

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082118\
 Data File : VN050796.D
 Acq On : 21 Aug 2018 21:47
 Operator : MD\SY
 Sample : VN0821WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0821WBSD02

Manual Integrations
 APPROVED

MMDadoda
 8/22/2018 11:19:25 AM

Quant Time: Aug 22 07:16:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	607899	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	877058	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	798570	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	386351	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	383808	52.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.90%	
35) Dibromofluoromethane	7.59	113	365835	52.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.86%	
50) Toluene-d8	10.09	98	1363453	52.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.54%	
62) 4-Bromofluorobenzene	12.40	95	431791	49.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	184306	22.66	ug/l	99
3) Chloromethane	2.06	50	200935	20.02	ug/l	99
4) Vinyl Chloride	2.18	62	196003	20.62	ug/l	99
5) Bromomethane	2.57	94	109070	19.54	ug/l	97
6) Chloroethane	2.70	64	110525	20.12	ug/l	99
7) Trichlorofluoromethane	3.01	101	252348	20.73	ug/l	98
8) Diethyl Ether	3.41	74	83225	20.11	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	153761	20.22	ug/l	99
10) Methyl Iodide	3.95	142	122798	22.41	ug/l	99
11) Tert butyl alcohol	4.79	59	46169	99.07	ug/l	100
12) 1,1-Dichloroethene	3.74	96	138346	20.26	ug/l	97
13) Acrolein	3.61	56	24968	103.09	ug/l	98
14) Allyl chloride	4.33	41	207214	19.48	ug/l	99
15) Acrylonitrile	4.99	53	231633	97.80	ug/l	99
16) Acetone	3.82	43	165682	91.12	ug/l	99
17) Carbon Disulfide	4.05	76	440532	19.25	ug/l	99
18) Methyl Acetate	4.33	43	131002	18.96	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	351301	20.46	ug/l	100
20) Methylene Chloride	4.55	84	160769	19.49	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	151162	20.47	ug/l	99
22) Diisopropyl ether	5.96	45	450657	21.26	ug/l	98
23) Vinyl Acetate	5.90	43	1375589	100.74	ug/l	100
24) 1,1-Dichloroethane	5.85	63	274211	20.14	ug/l	100
25) 2-Butanone	6.84	43	246716	83.65	ug/l	98
26) 2,2-Dichloropropane	6.83	77	187997	17.19	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	161389	20.27	ug/l	99
28) Bromochloromethane	7.20	49	116096	20.07	ug/l	100
29) Tetrahydrofuran	7.22	42	172400	101.96	ug/l	100
30) Chloroform	7.37	83	276474	20.51	ug/l	99
31) Cyclohexane	7.66	56	245099	20.09	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	234150	20.22	ug/l	100
36) 1,1-Dichloropropene	7.79	75	212134	20.50	ug/l	99
37) Ethyl Acetate	6.93	43	118167	19.88	ug/l	99
38) Carbon Tetrachloride	7.78	117	208123	19.89	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	215120	19.21	ug/l	98
40) Benzene	8.04	78	639496	20.49	ug/l	100
41) Methacrylonitrile	7.18	41	51837	16.11	ug/l	91
42) 1,2-Dichloroethane	8.13	62	190863	20.46	ug/l	100
43) Isopropyl Acetate	8.17	43	204371	19.99	ug/l	99
44) Trichloroethene	8.84	130	167830	20.39	ug/l	99
45) 1,2-Dichloropropane	9.12	63	165937	20.23	ug/l	99
46) Dibromomethane	9.21	93	97250	20.18	ug/l	100
47) Bromodichloromethane	9.40	83	205471	20.35	ug/l	97
48) Methyl methacrylate	9.20	41	105992	20.35	ug/l	97
49) 1,4-Dioxane	9.20	88	29203	411.21	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	579333	94.97	ug/l	100
52) Toluene	10.16	92	384617	20.80	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	191996	19.11	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	226568	19.69	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	139224	20.29	ug/l	99
56) Ethyl methacrylate	10.43	69	152656	18.65	ug/l	98
57) 1,3-Dichloropropane	10.71	76	228975	20.22	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	333868	93.75	ug/l	100
59) 2-Hexanone	10.75	43	364492	89.76	ug/l	100
60) Dibromochloromethane	10.90	129	151630	19.74	ug/l	99
61) 1,2-Dibromoethane	11.01	107	131257	19.78	ug/l	99
64) Tetrachloroethene	10.63	164	152646	20.12	ug/l	99
65) Chlorobenzene	11.44	112	412470	19.76	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	154881	20.28	ug/l	99
67) Ethyl Benzene	11.51	91	685270	20.19	ug/l	100
68) m/p-Xylenes	11.62	106	541127	42.01	ug/l	99
69) o-Xylene	11.95	106	253191	20.45	ug/l	99
70) Styrene	11.97	104	401731	19.21	ug/l	99
71) Bromoform	12.13	173	101781	19.38	ug/l #	97
73) Isopropylbenzene	12.25	105	670713	20.97	ug/l	100
74) N-amyl acetate	12.07	43	159161	19.80	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	169686	21.31	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	141627m	20.93	ug/l	
77) Bromobenzene	12.53	156	173668	19.97	ug/l	100
78) n-propylbenzene	12.59	91	747617	20.92	ug/l	99
79) 2-Chlorotoluene	12.68	91	466468	20.95	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	553677	21.45	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	35410	17.69	ug/l	93
82) 4-Chlorotoluene	12.77	91	456402	20.77	ug/l	99
83) tert-Butylbenzene	12.99	119	465531	20.82	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	558360	21.50	ug/l	99
85) sec-Butylbenzene	13.17	105	621215	21.21	ug/l	99
86) p-Isopropyltoluene	13.29	119	527086	21.12	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	297772	20.18	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	285575	19.67	ug/l	100
89) n-Butylbenzene	13.62	91	382573	19.16	ug/l	99
90) Hexachloroethane	13.88	117	97016	20.50	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	290544	20.41	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22893	19.93	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	112868	18.08	ug/l	99
94) Hexachlorobutadiene	15.01	225	89329	20.51	ug/l	98
95) Naphthalene	15.13	128	209561	17.51	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	114171	18.66	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

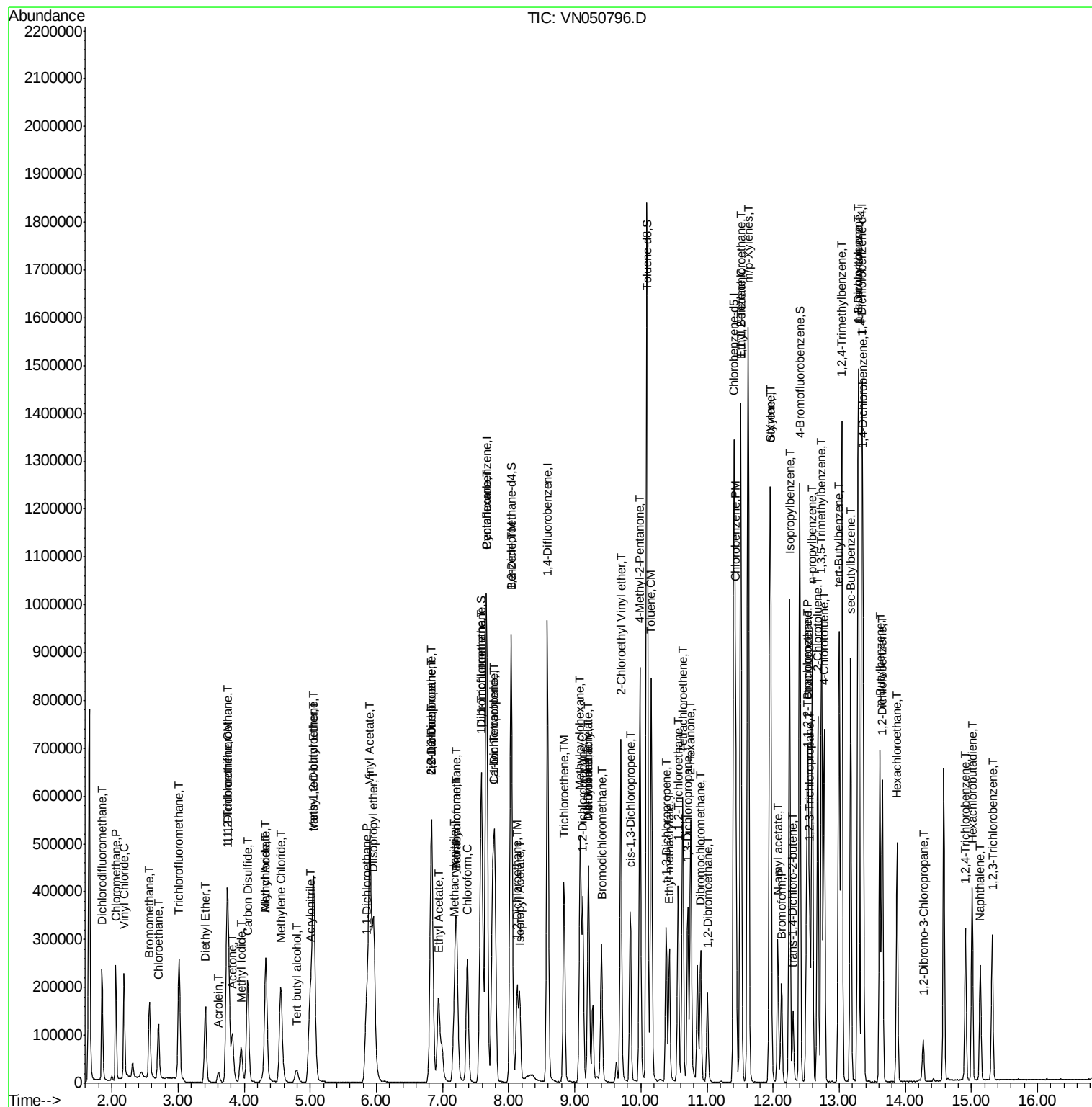
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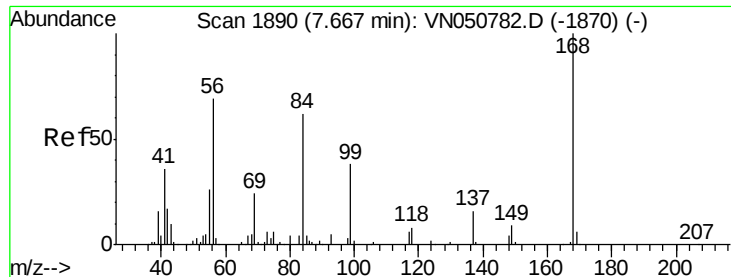
Instrument :
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050796.D

Acq: 21 Aug 2018 21:47

Instrument :

MSVOA_N

ClientSampleId :

VN0821WBSD02

Tot Ion:168 Resp: 607899

Ion Ratio Lower Upper

168 100

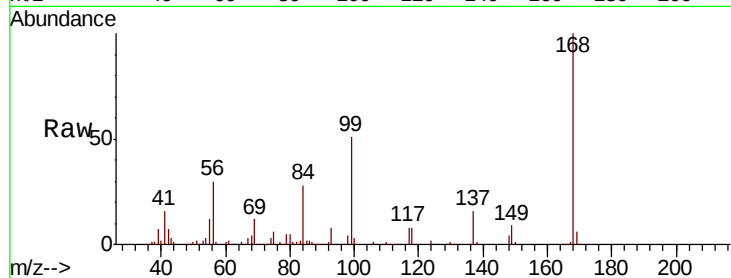
99 50.6 39.6 59.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VN050782.D (-1870) (-)

Ion 98.90 (98.60 to 99.60): VN050782.D (-1870) (-)

300000

250000

200000

150000

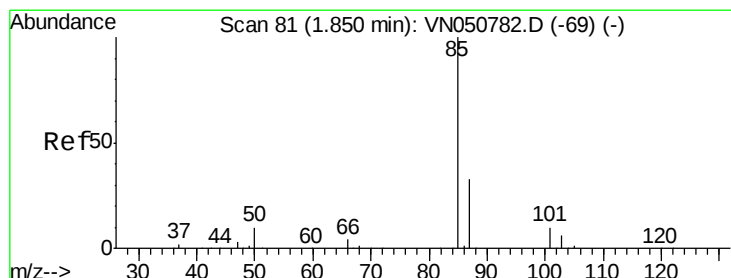
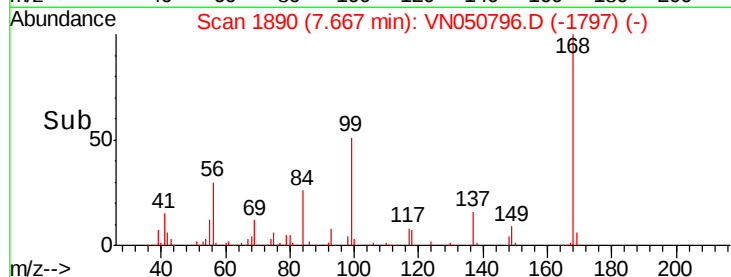
100000

50000

0

7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 22.66 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050796.D

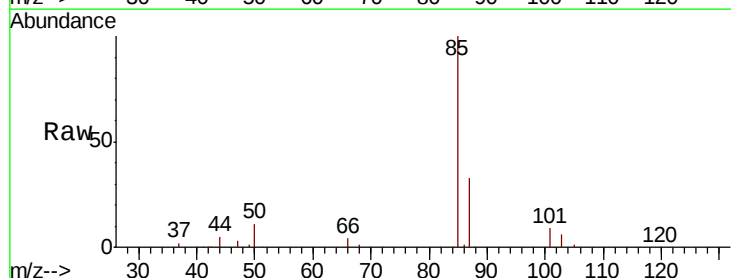
Acq: 21 Aug 2018 21:47

Tgt Ion: 85 Resp: 184306

Ion Ratio Lower Upper

85 100

87 33.3 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN050782.D (-69) (-)

Ion 86.90 (86.60 to 87.60): VN050782.D (-69) (-)

150000

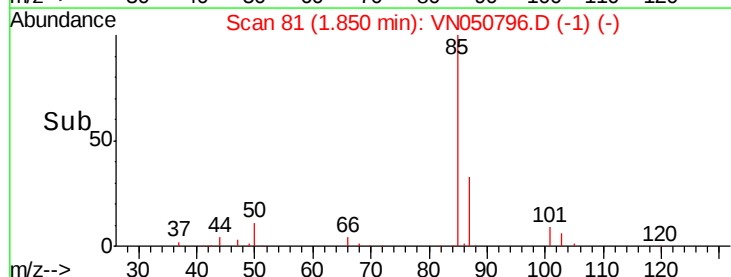
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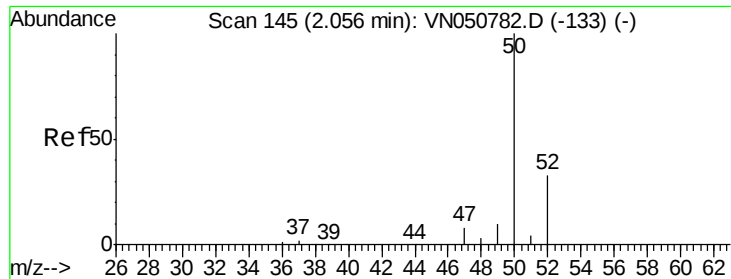
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 20.02 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050796.D

Acq: 21 Aug 2018 21:47

Instrument :

MSVOA_N

ClientSampleId :

VN0821WBSD02

Tot Ion: 50 Resp: 200935

Ion Ratio Lower Upper

50 100

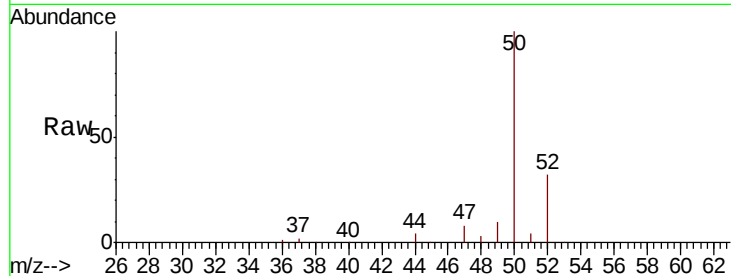
52 32.4 26.3 39.5

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

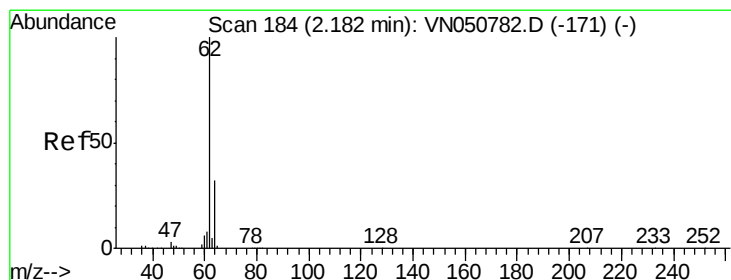
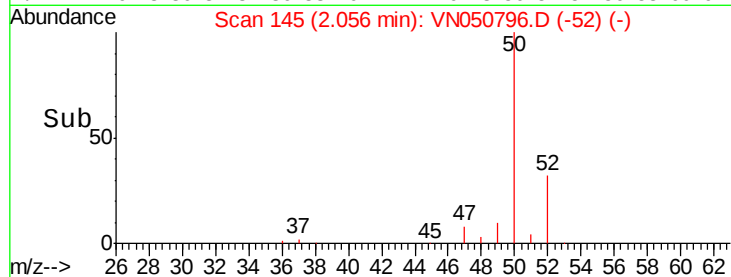
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 20.62 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN050796.D

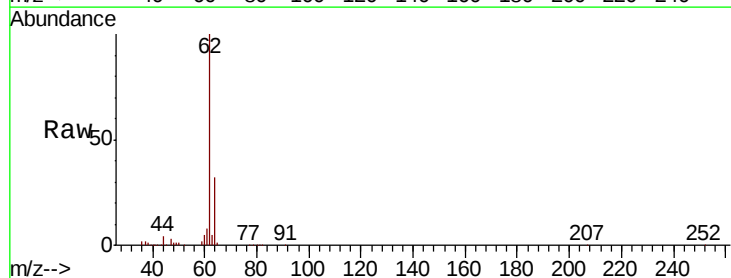
Acq: 21 Aug 2018 21:47

Tgt Ion: 62 Resp: 196003

Ion Ratio Lower Upper

62 100

64 32.2 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.18

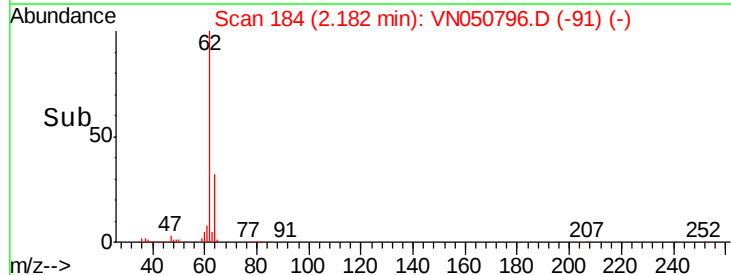
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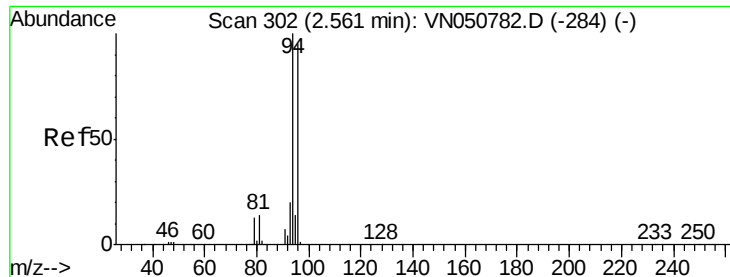
100000

50000

0

Time-->





#5

Bromomethane

Concen: 19.54 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN050796.D

Acq: 21 Aug 2018 21:47

Instrument :

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ClientSampleId :

VN0821WBSD02

Tot Ion: 94 Resp: 109070

Ion Ratio Lower Upper

94 100

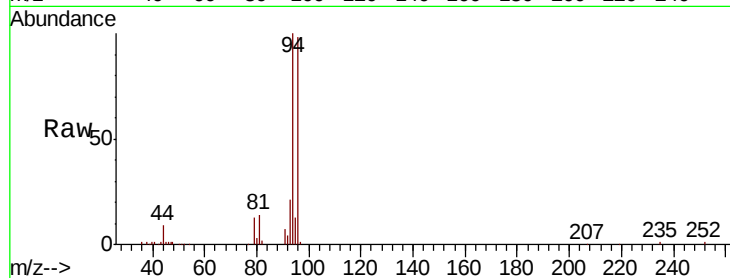
96 97.7 76.2 114.2

Manual Integrations

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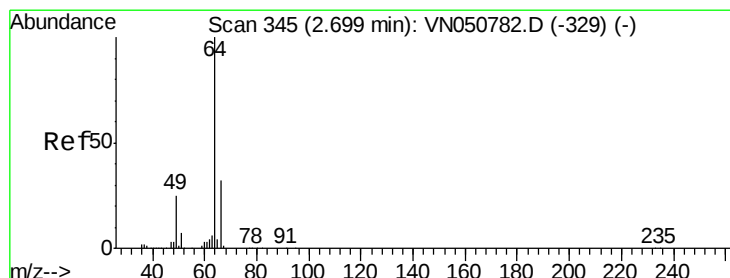
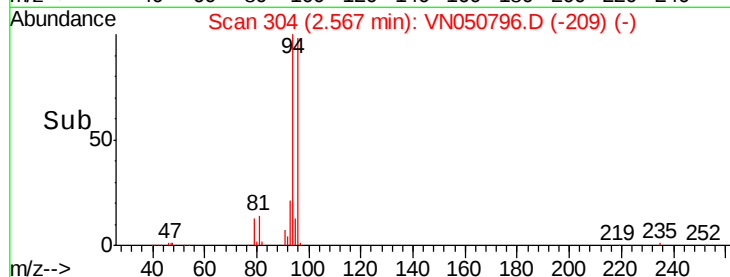
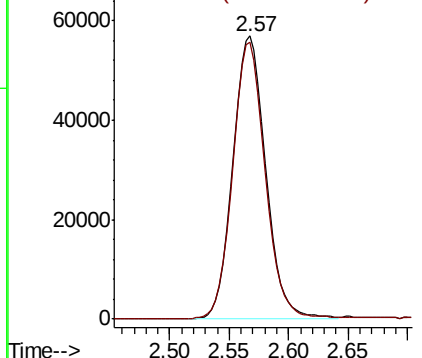
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.12 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050796.D

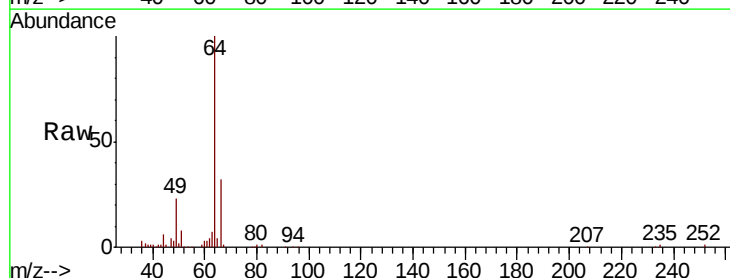
Acq: 21 Aug 2018 21:47

Tgt Ion: 64 Resp: 110525

Ion Ratio Lower Upper

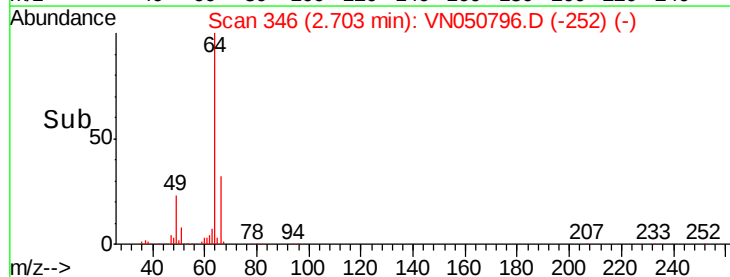
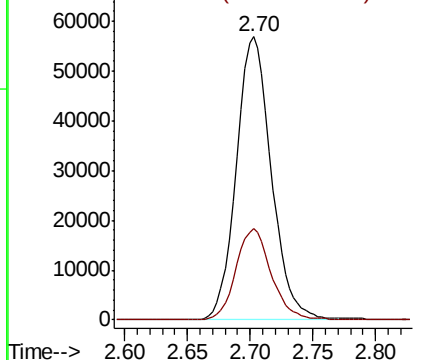
64 100

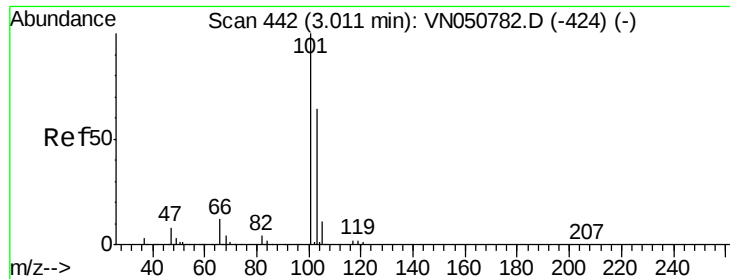
66 32.1 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

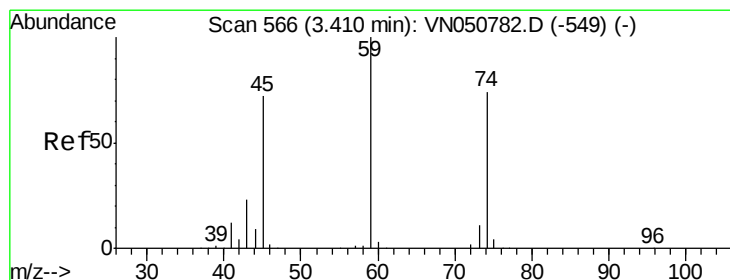
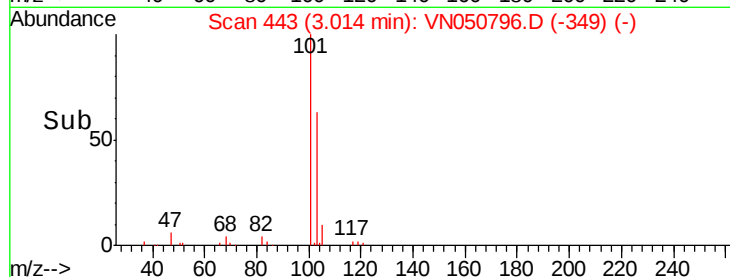
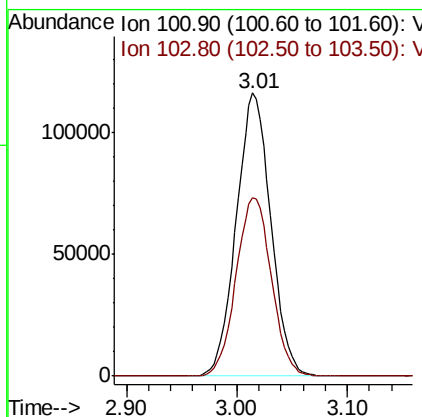
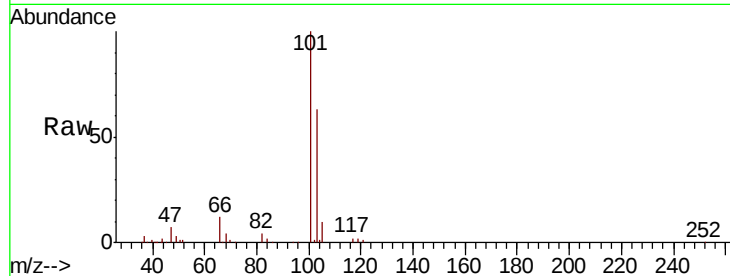
Trichlorofluoromethane
 Concen: 20.73 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VN050796.D
 Acq: 21 Aug 2018 21:47

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.2	51.6	77.4

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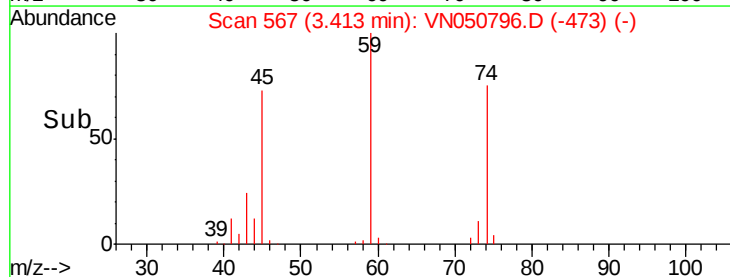
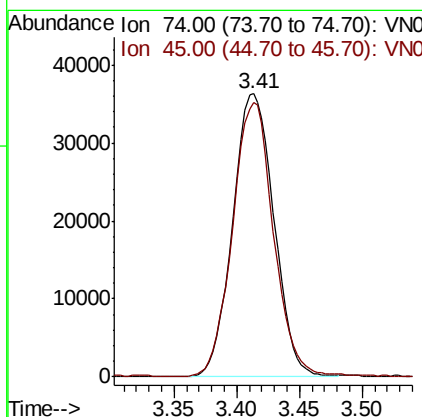
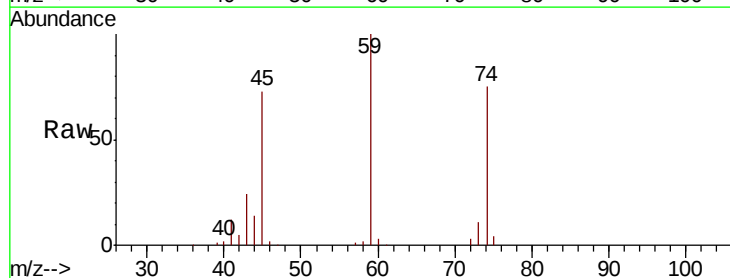
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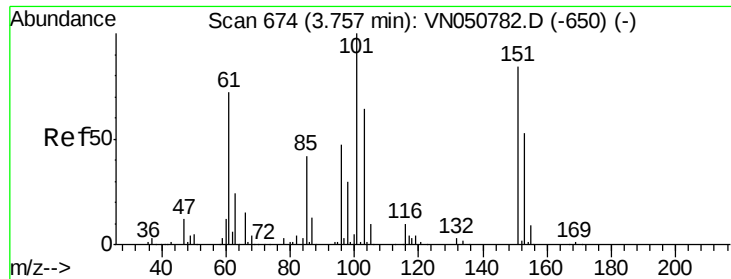


#8

Diethyl Ether
 Concen: 20.11 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050796.D
 Acq: 21 Aug 2018 21:47

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.7	48.2	144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.22 ug/l

RT: 3.76 min Scan# 675

Delta R.T. 0.00 min

Lab File: VN050796.D

Acq: 21 Aug 2018 21:47

Instrument :

MSVOA_N

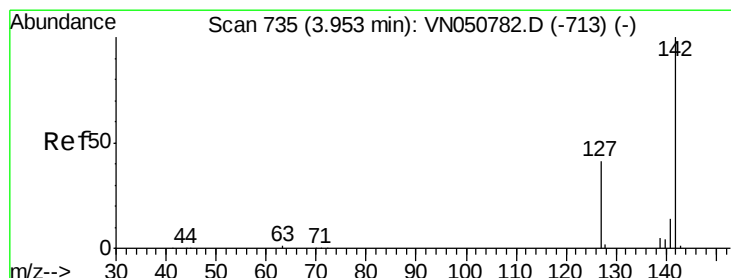
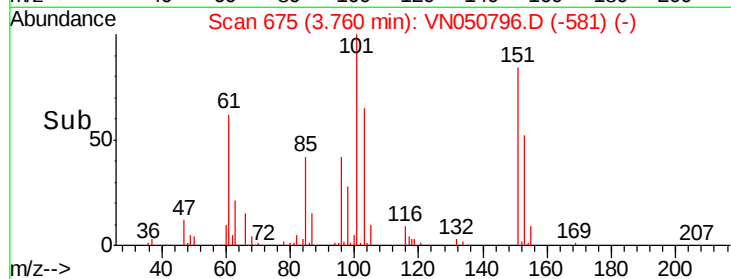
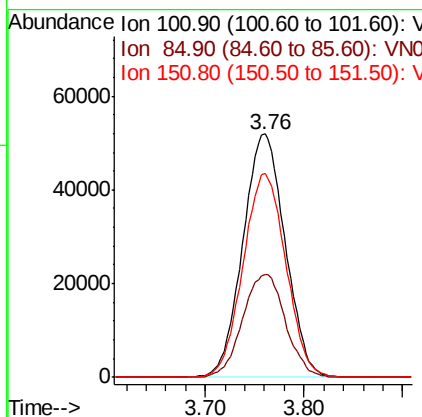
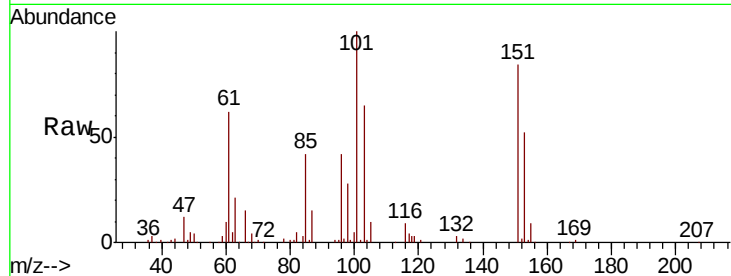
ClientSampleId :

VN0821WBSD02

Tot Ion:	101	Resp:	153761
Ion Ratio	Lower	Upper	
101	100		
85	42.8	33.7	50.5
151	84.7	67.4	101.2

Manual Integrations
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#10

Methyl Iodide

Concen: 22.41 ug/l

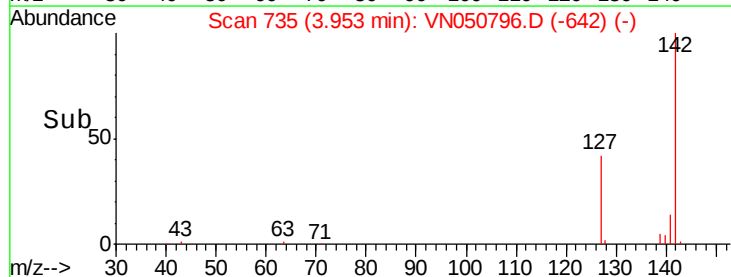
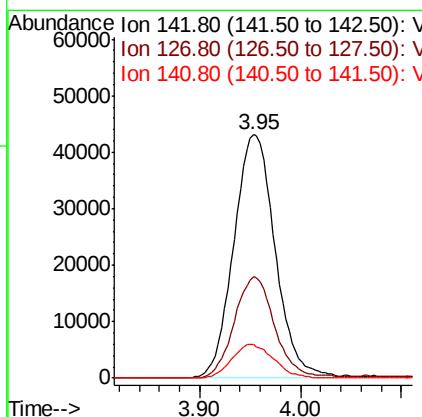
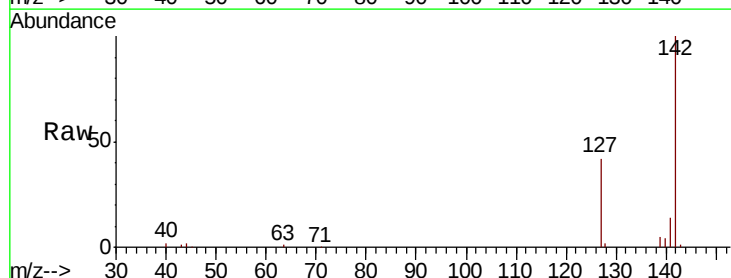
RT: 3.95 min Scan# 735

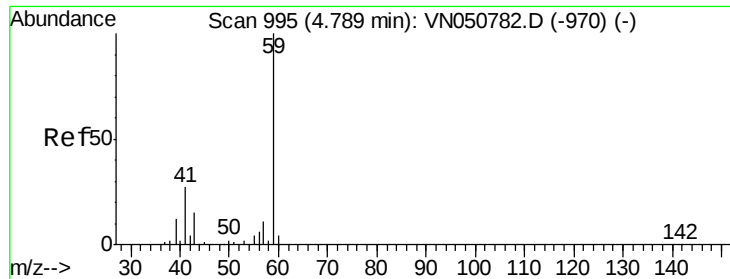
Delta R.T. 0.00 min

Lab File: VN050796.D

Acq: 21 Aug 2018 21:47

Tgt Ion:	142	Resp:	122798
Ion Ratio	Lower	Upper	
142	100		
127	40.7	31.7	47.5
141	14.1	11.4	17.0





#11

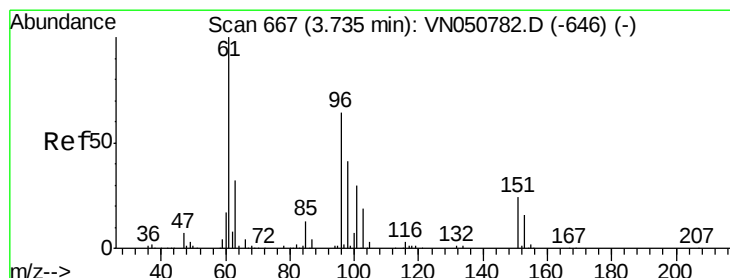
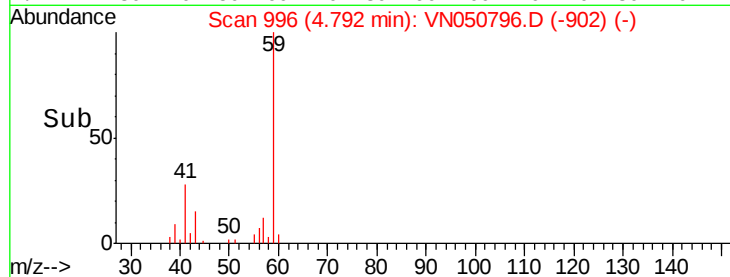
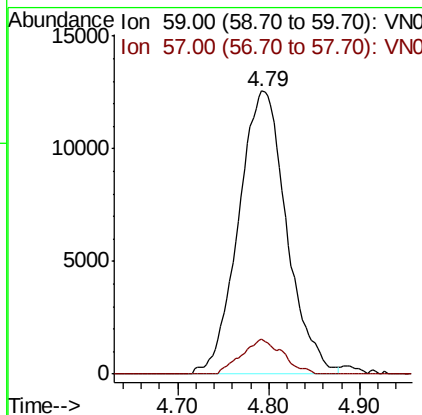
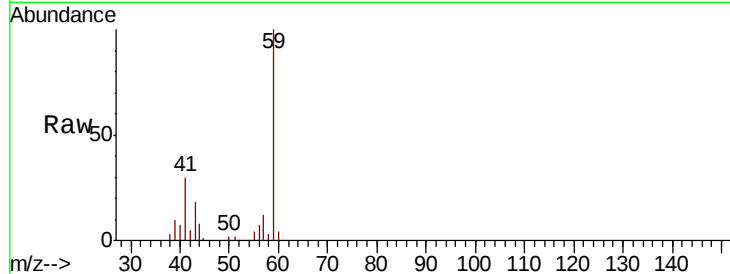
Tert butyl alcohol
 Concen: 99.07 ug/l
 RT: 4.79 min Scan# 996
 Delta R.T. 0.00 min
 Lab File: VN050796.D
 Acq: 21 Aug 2018 21:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0821WBSD02

Tot Ion	59	Resp	46169
Ion Ratio	100	Lower	Upper
57	10.6	8.3	12.5

Manual Integrations
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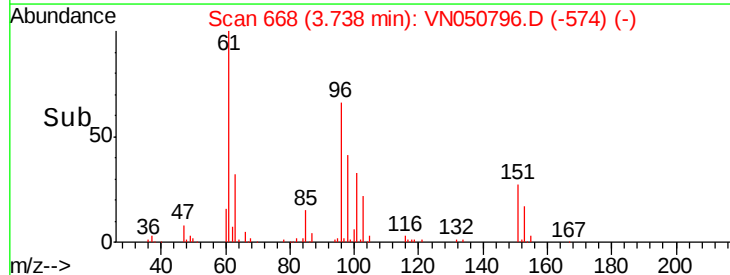
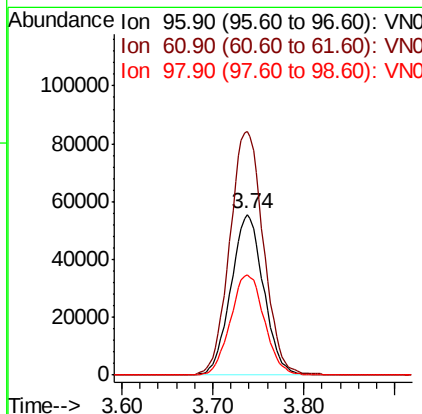
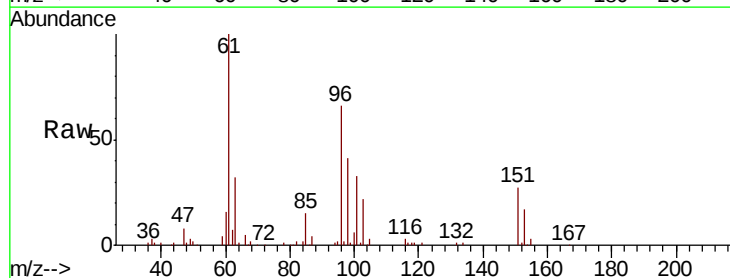
MMDadoda
 8/22/2018 11:19:25 AM

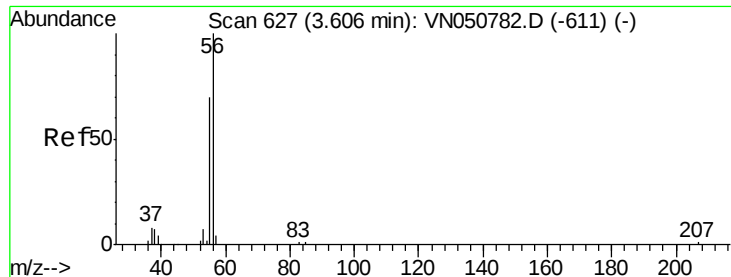


#12

1,1-Dichloroethene
 Concen: 20.26 ug/l
 RT: 3.74 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: VN050796.D
 Acq: 21 Aug 2018 21:47

Tgt Ion	96	Resp	138346
Ion Ratio	100	Lower	Upper
61	151.6	124.9	187.3
98	62.1	51.1	76.7





#13

Acrolein

Concen: 103.09 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.01 min

Lab File: VN050796.D

Acq: 21 Aug 2018 21:47

Instrument :

MSVOA_N

ClientSampleId :

VN0821WBSD02

Tot Ion: 56 Resp: 24968

Ion Ratio Lower Upper

56 100

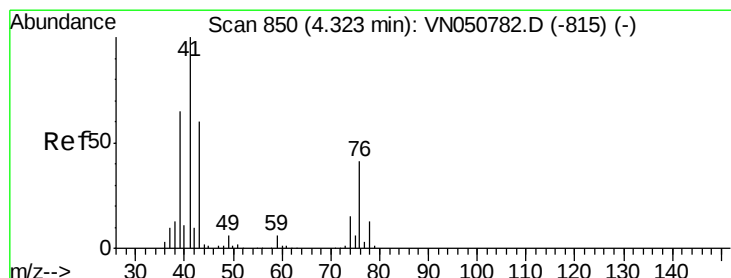
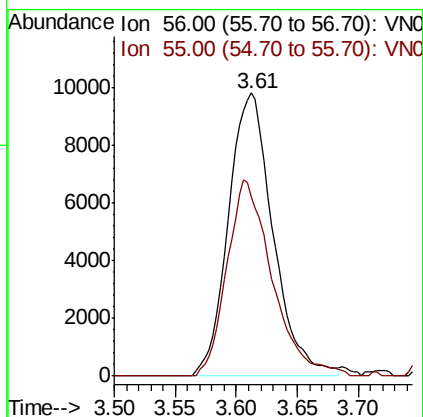
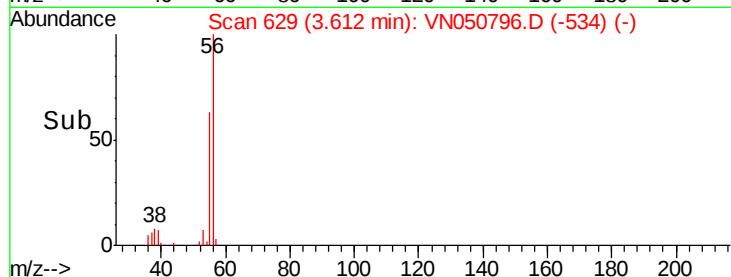
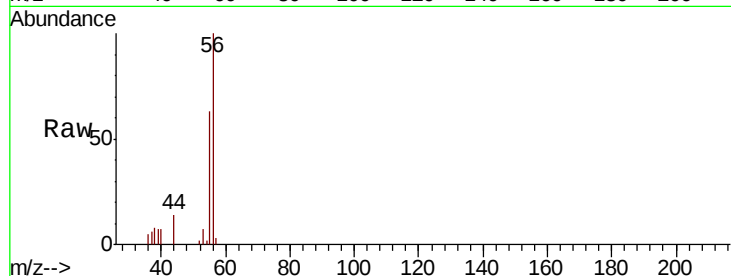
55 70.3 57.7 86.5

Manual Integrations

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#14

Allyl chloride

Concen: 19.48 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN050796.D

Acq: 21 Aug 2018 21:47

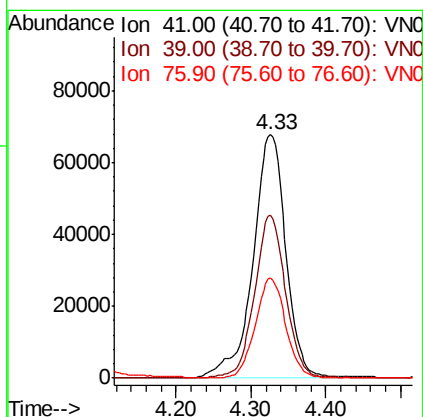
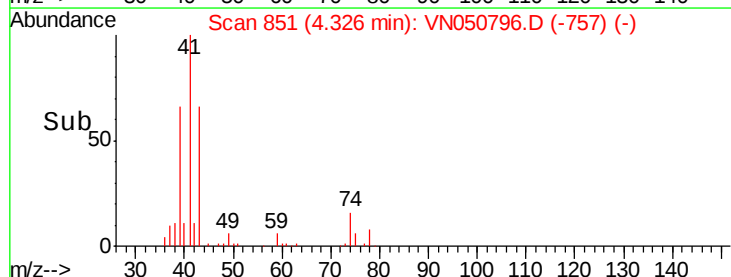
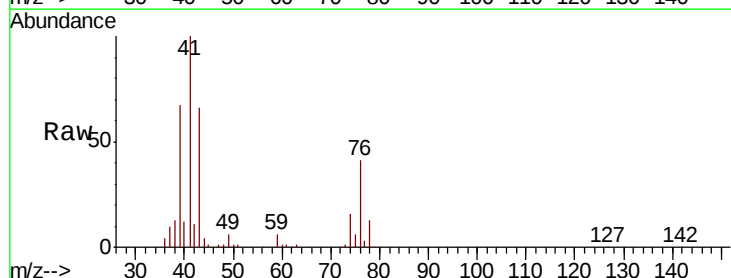
Tgt Ion: 41 Resp: 207214

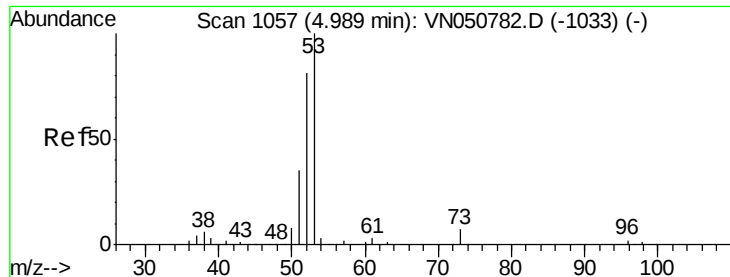
Ion Ratio Lower Upper

41 100

39 63.4 50.2 75.2

76 37.4 29.8 44.8





#15

Acrylonitrile

Concen: 97.80 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VN050796.D

Acq: 21 Aug 2018 21:47

Instrument :

MSVOA_N

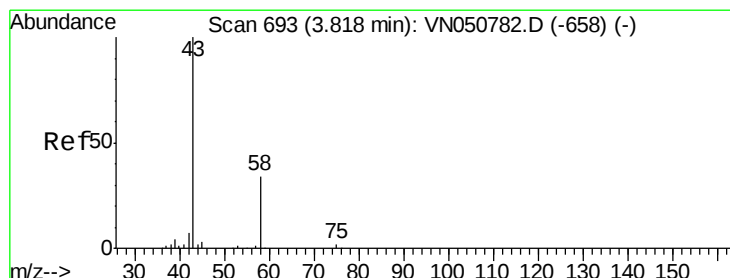
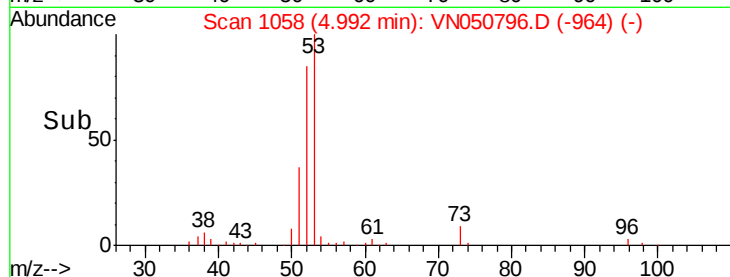
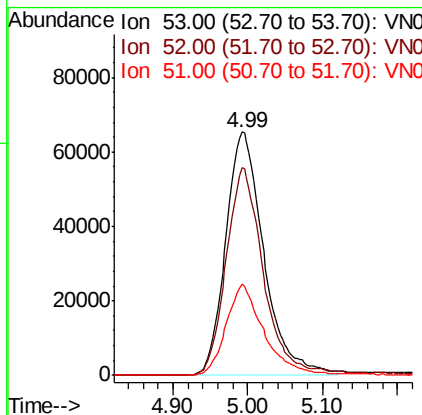
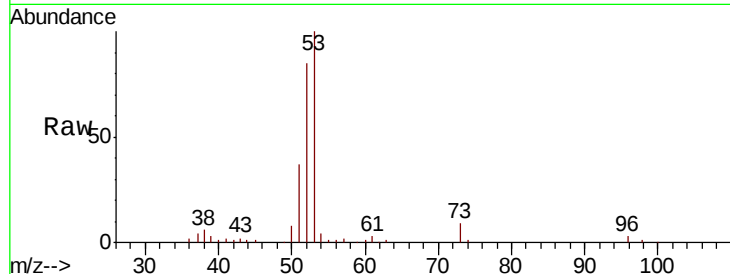
ClientSampleId :

VN0821WBSD02

Tot Ion:	53	Resp:	231633
Ion	Ratio	Lower	Upper
53	100		
52	82.9	65.9	98.9
51	37.0	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 91.12 ug/l

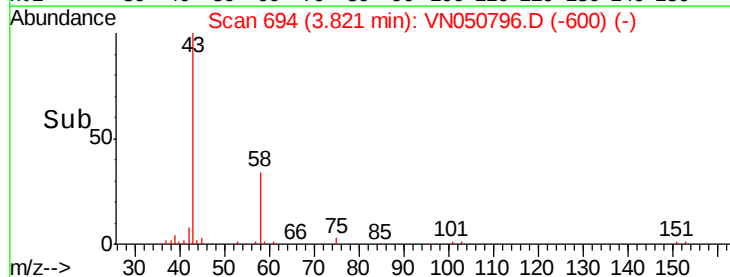
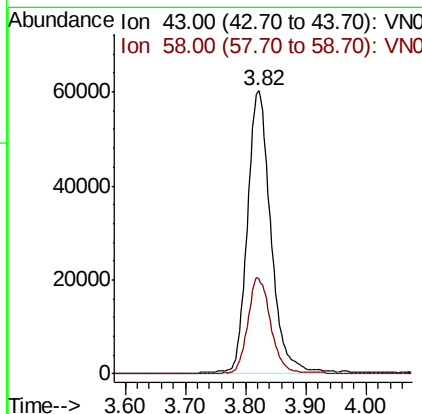
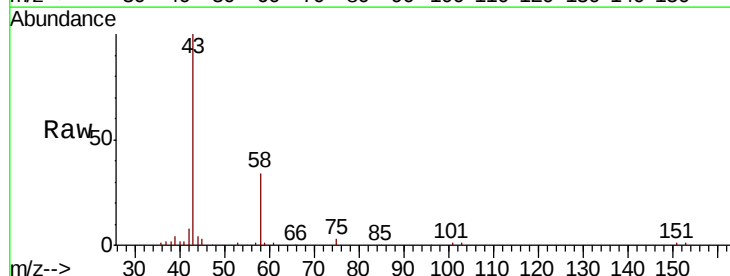
RT: 3.82 min Scan# 694

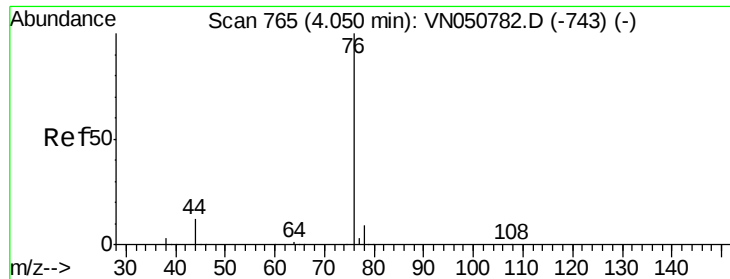
Delta R.T. 0.00 min

Lab File: VN050796.D

Acq: 21 Aug 2018 21:47

Tgt Ion:	43	Resp:	165682
Ion	Ratio	Lower	Upper
43	100		
58	33.5	27.2	40.8





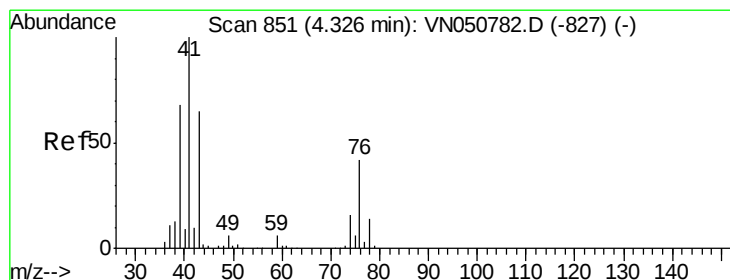
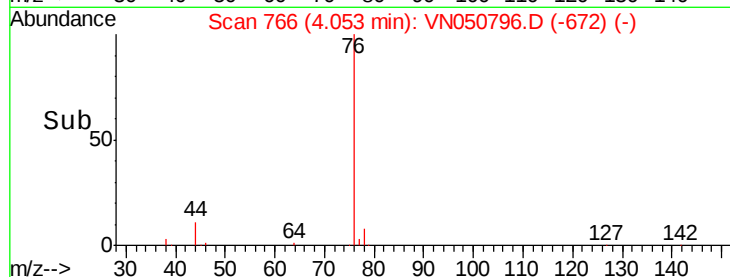
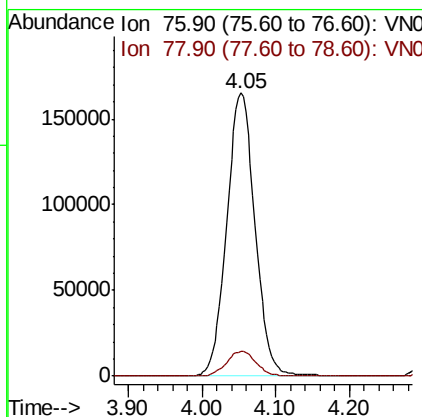
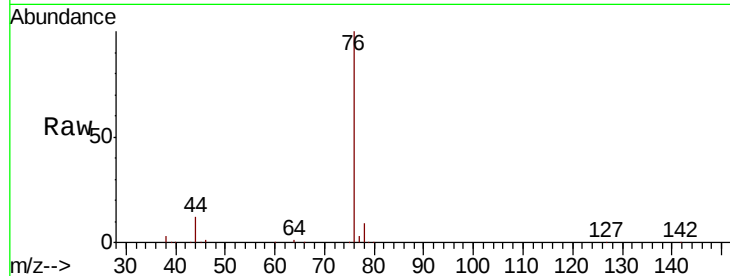
#17
Carbon Disulfide
Concen: 19.25 ug/l
RT: 4.05 min Scan# 766
Delta R.T. 0.00 min
Lab File: VN050796.D
Acq: 21 Aug 2018 21:47

Instrument :
MSVOA_N
ClientSampleId :
VN0821WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.3	10.9

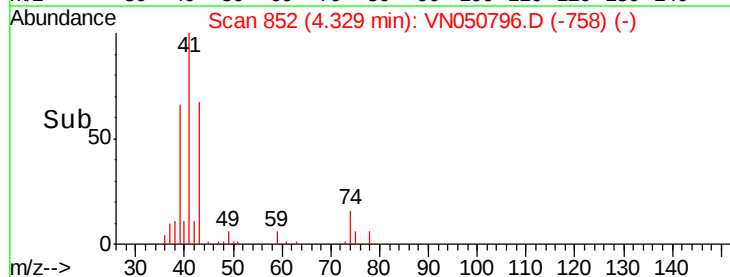
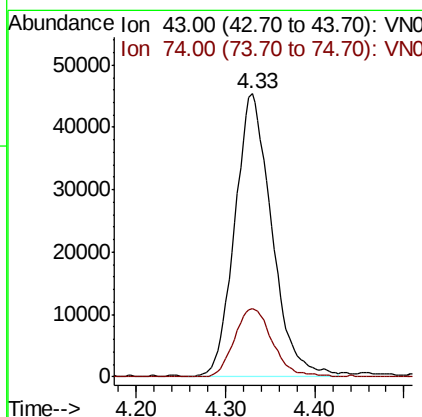
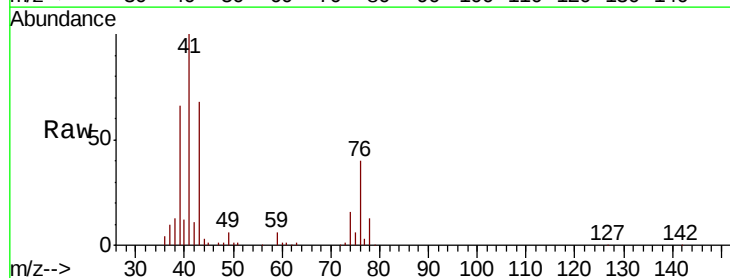
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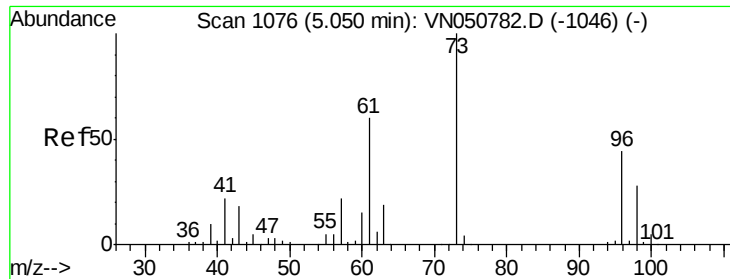
MMDadoda
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#18
Methyl Acetate
Concen: 18.96 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN050796.D
Acq: 21 Aug 2018 21:47

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.7	19.8	29.8





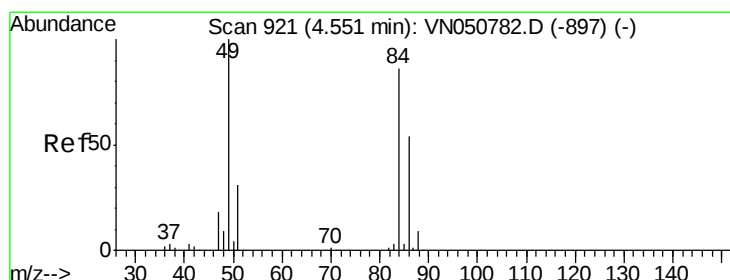
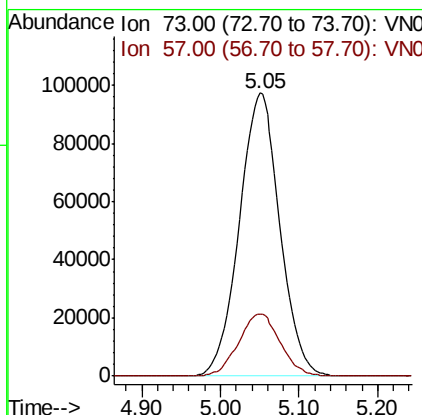
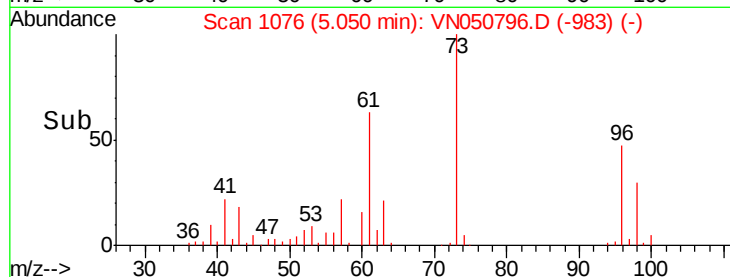
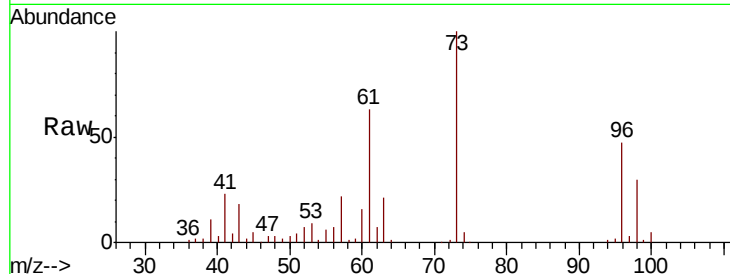
#19
Methyl tert-butyl Ether
Concen: 20.46 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VN050796.D
Acq: 21 Aug 2018 21:47

Instrument :
MSVOA_N
ClientSampleId :
VN0821WBSD02

Tot Ion: 73 Resp: 351301
Ion Ratio Lower Upper
73 100
57 22.1 17.8 26.8

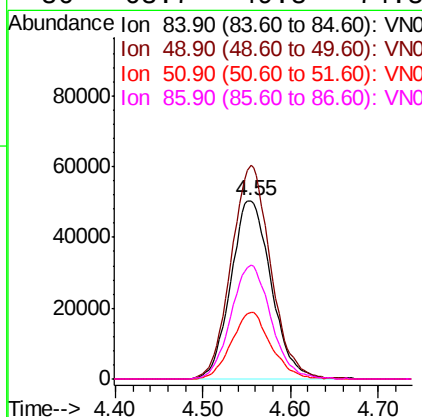
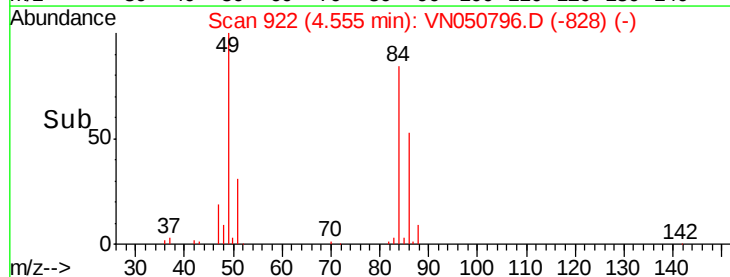
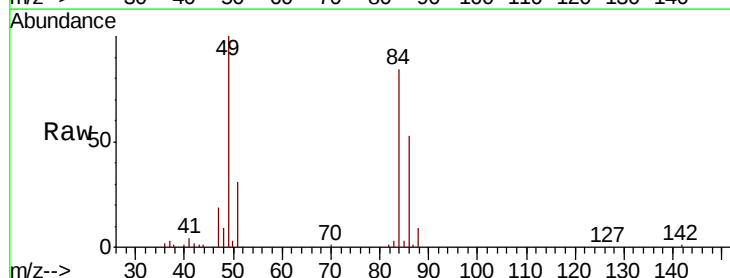
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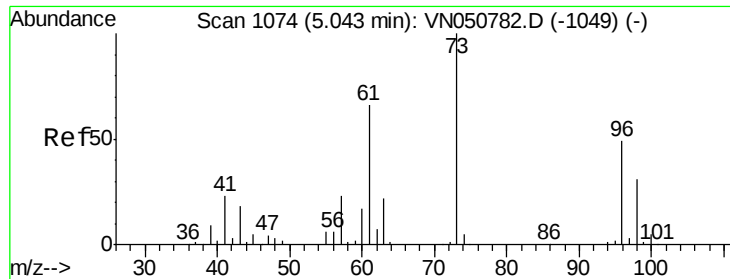
MMDadoda
8/22/2018 11:19:25 AM



#20
Methylene Chloride
Concen: 19.49 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050796.D
Acq: 21 Aug 2018 21:47

Tgt Ion: 84 Resp: 160769
Ion Ratio Lower Upper
84 100
49 119.7 93.2 139.8
51 37.0 29.0 43.6
86 63.7 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 20.47 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VN050796.D

Acq: 21 Aug 2018 21:47

Instrument :

MSVOA_N

ClientSampleId :

VN0821WBSD02

Tot Ion: 96 Resp: 151162

Ion Ratio Lower Upper

96 100

61 136.3 107.4 161.0

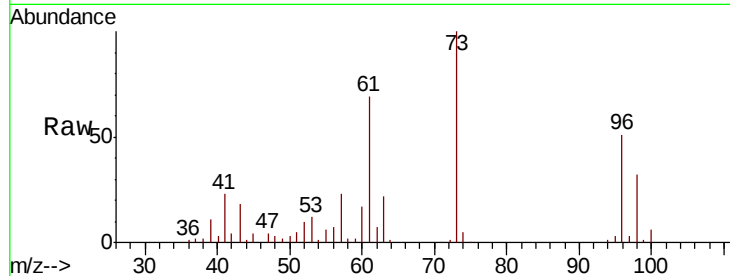
98 63.9 50.7 76.1

Manual Integrations

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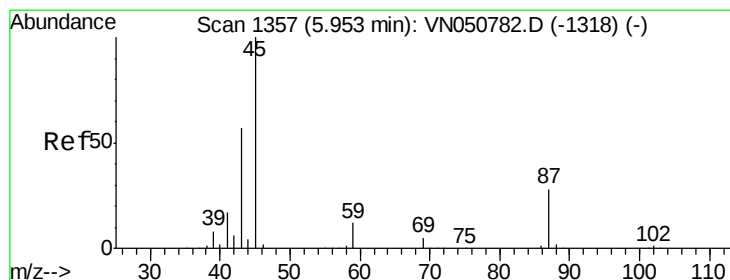
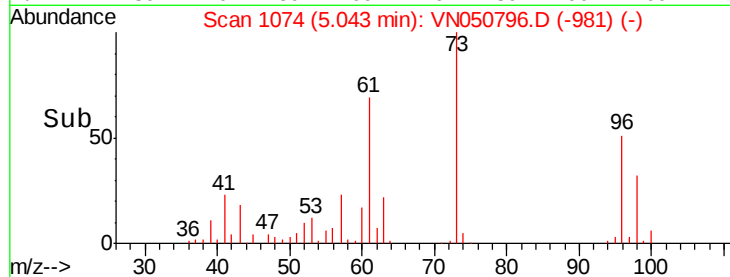
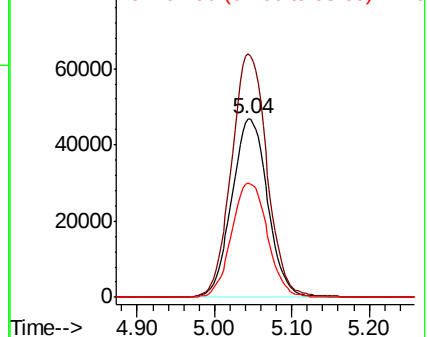


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 21.26 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VN050796.D

Acq: 21 Aug 2018 21:47

Tgt Ion: 45 Resp: 450657

Ion Ratio Lower Upper

45 100

43 59.6 45.9 68.9

87 28.7 22.7 34.1

59 12.2 9.3 13.9

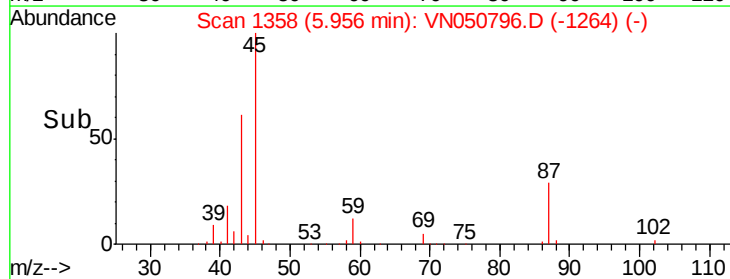
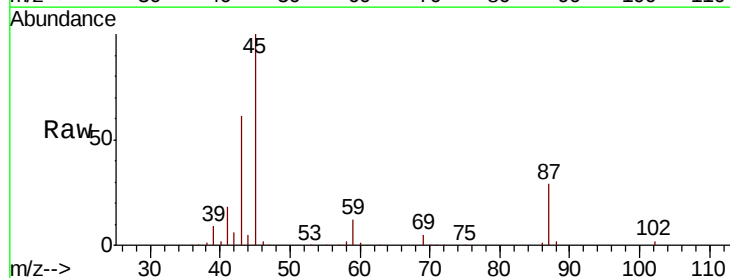
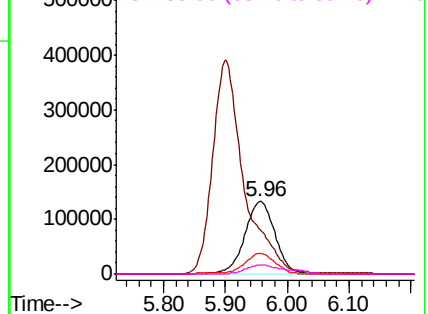
Abundance

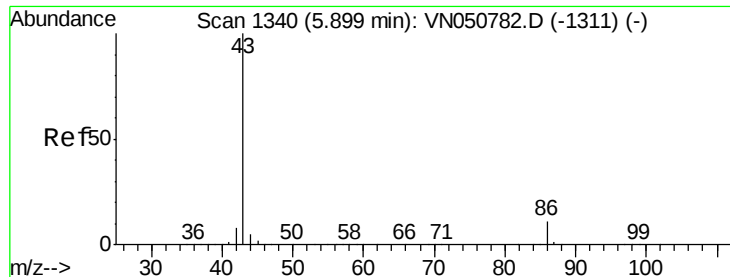
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 100.74 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN050796.D

Acq: 21 Aug 2018 21:47

Instrument :

MSVOA_N

ClientSampleID :

VN0821WBSD02

Tot Ion: 43 Resp: 1375589

Ion Ratio Lower Upper

43 100

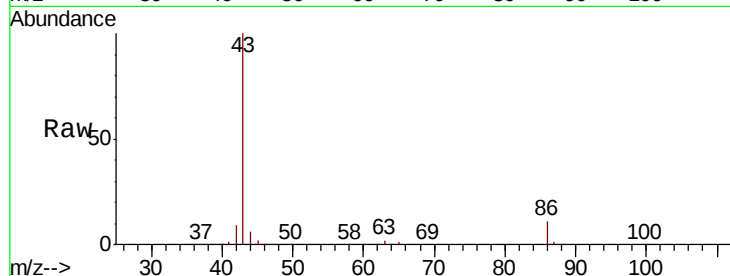
86 10.8 8.7 13.1

Manual Integrations

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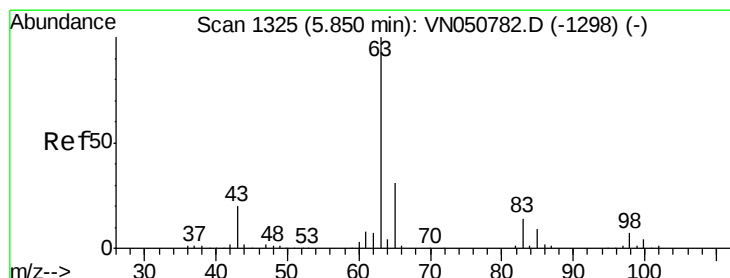
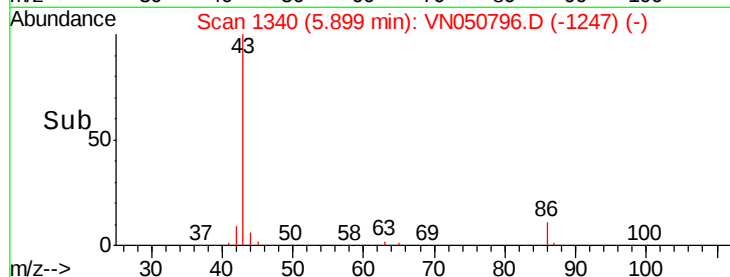
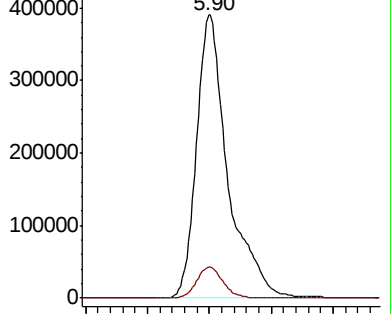
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.14 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. -0.00 min

Lab File: VN050796.D

Acq: 21 Aug 2018 21:47

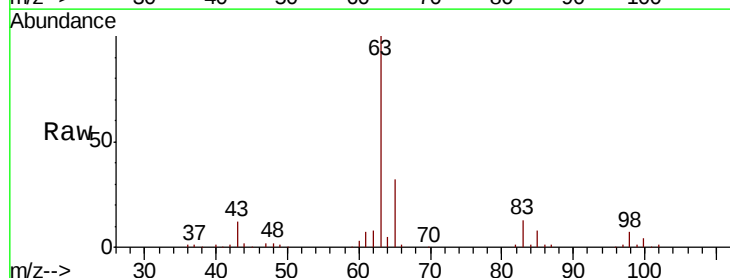
Tgt Ion: 63 Resp: 274211

Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.8

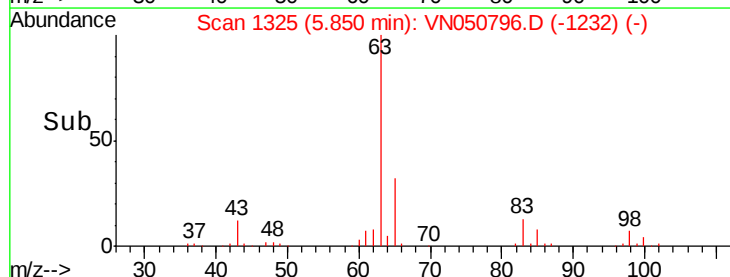
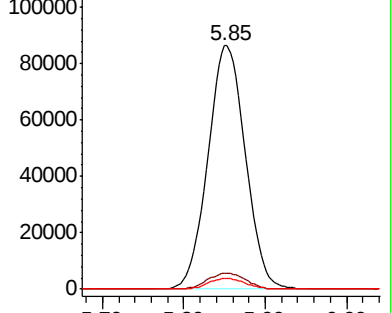
100 4.4 2.1 6.5

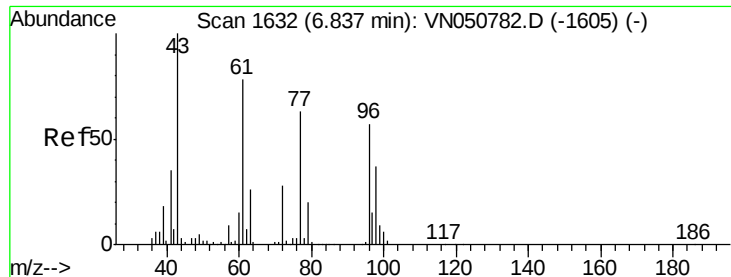


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





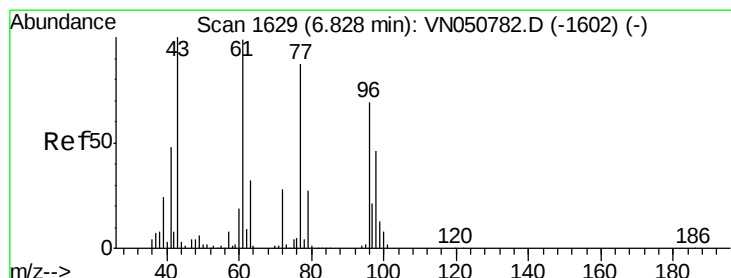
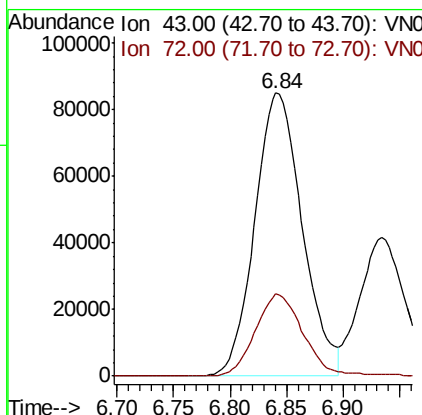
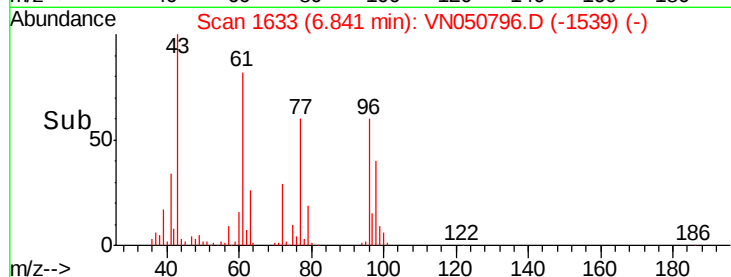
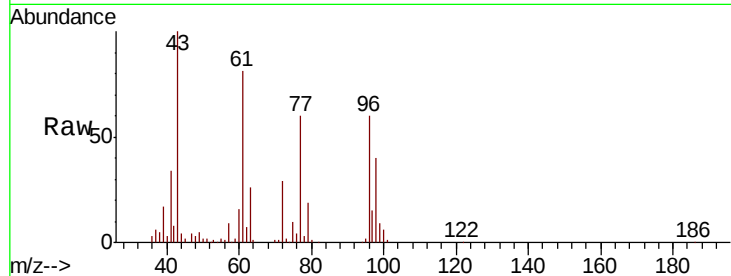
#25
2-Butanone
Concen: 83.65 ug/l
RT: 6.84 min Scan# 1633
Delta R.T. 0.00 min
Lab File: VN050796.D
Acq: 21 Aug 2018 21:47

Instrument :
MSVOA_N
ClientSampleId :
VN0821WBSD02

Tot Ion: 43 Resp: 246716
Ion Ratio Lower Upper
43 100
72 29.0 22.3 33.5

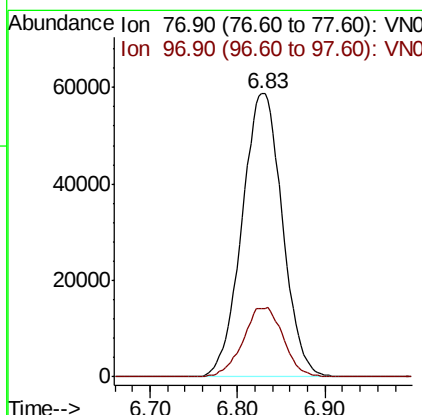
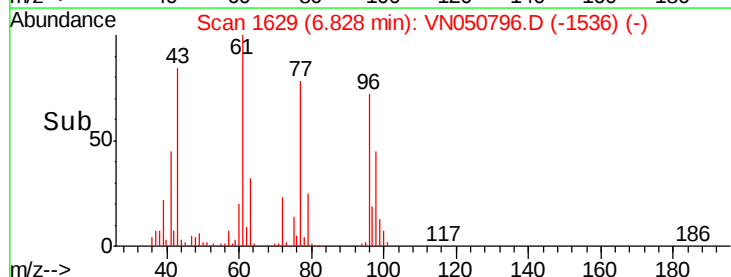
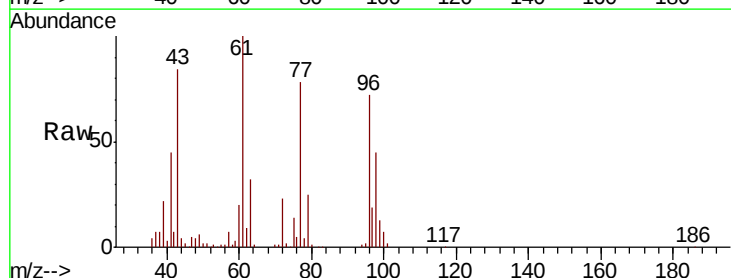
Manual Integrations
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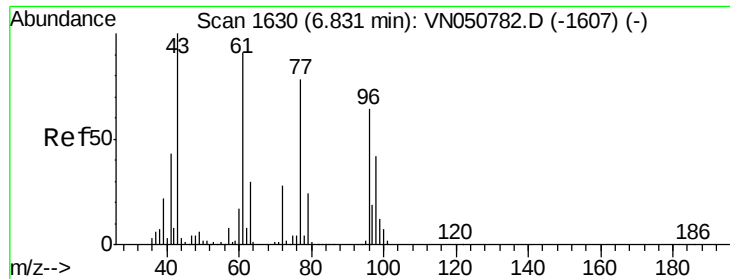
MMDadoda
8/22/2018 11:19:25 AM



#26
2,2-Dichloropropane
Concen: 17.19 ug/l
RT: 6.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VN050796.D
Acq: 21 Aug 2018 21:47

Tgt Ion: 77 Resp: 187997
Ion Ratio Lower Upper
77 100
97 24.4 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 20.27 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VN050796.D

Acq: 21 Aug 2018 21:47

Instrument :

MSVOA_N

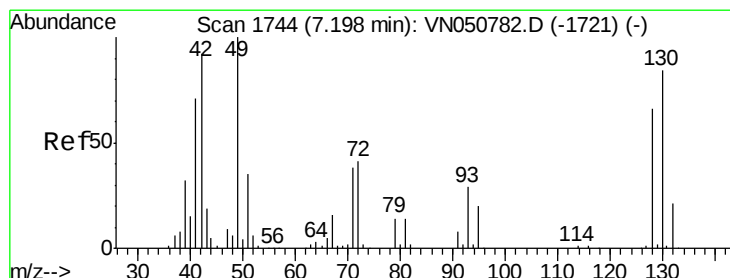
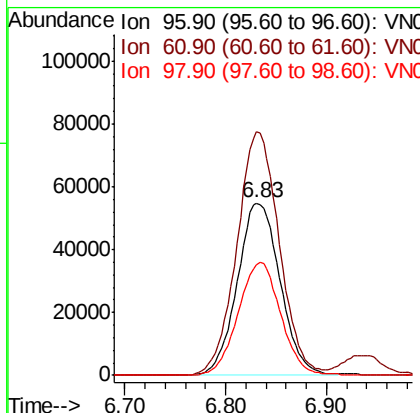
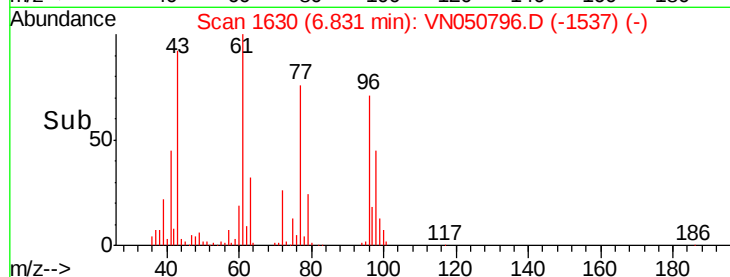
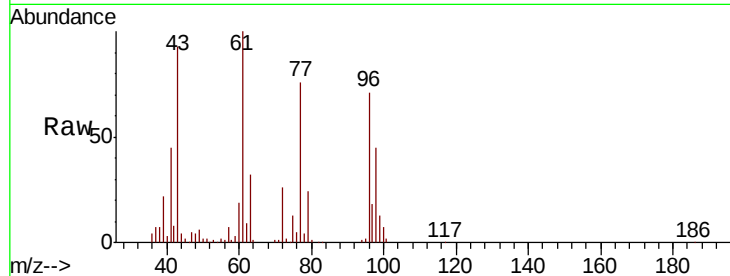
ClientSampleId :

VN0821WBSD02

Tot Ion:	96	Resp:	161389
Ion	Ratio	Lower	Upper
96	100		
61	139.8	0.0	283.4
98	65.2	0.0	129.8

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#28

Bromochloromethane

Concen: 20.07 ug/l

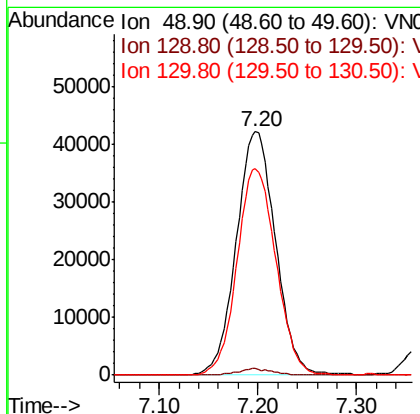
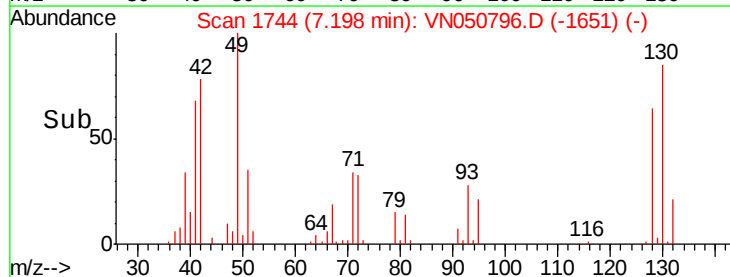
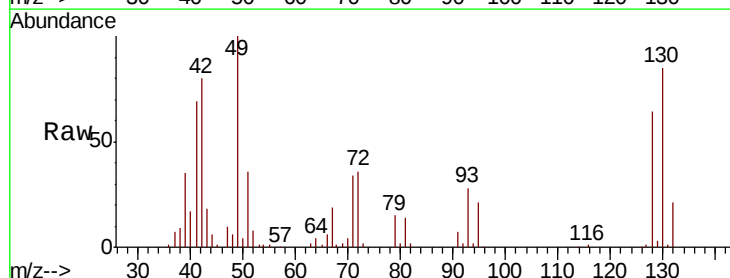
RT: 7.20 min Scan# 1744

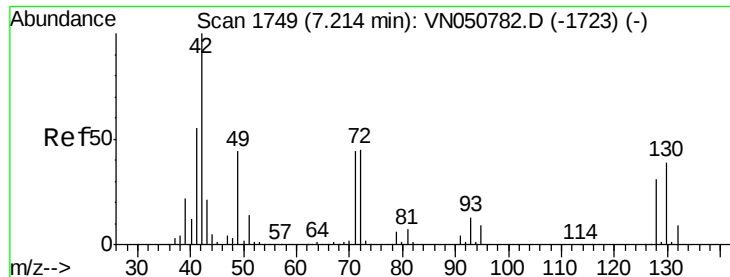
Delta R.T. -0.00 min

Lab File: VN050796.D

Acq: 21 Aug 2018 21:47

Tgt Ion:	49	Resp:	116096
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.2
130	84.1	67.1	100.7





#29

Tetrahydrofuran

Concen: 101.96 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VN050796.D

Acq: 21 Aug 2018 21:47

Instrument :

MSVOA_N

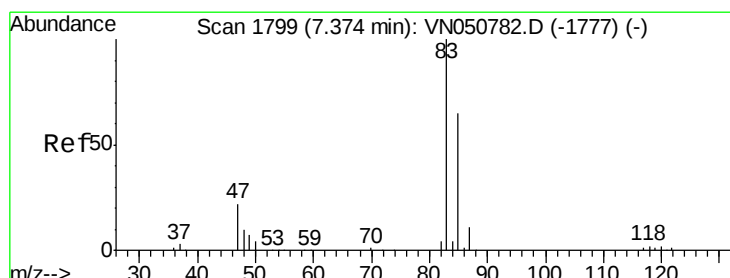
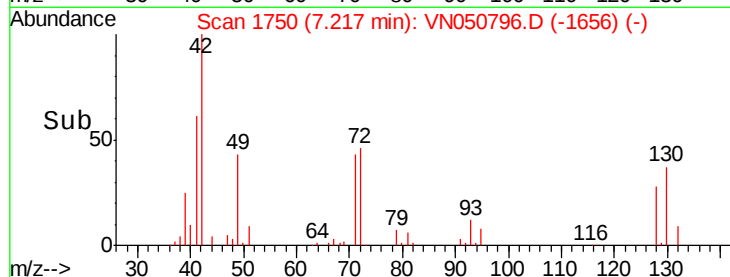
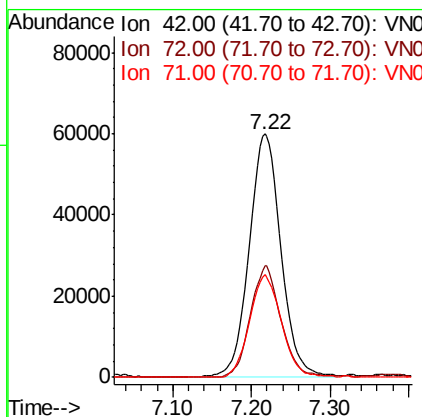
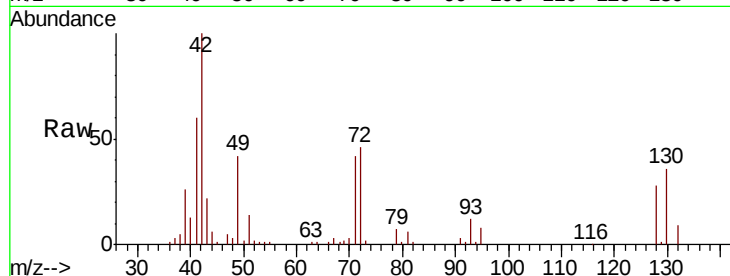
ClientSampled :

VN0821WBSD02

Tot Ion:	42	Resp:	172400
Ion	Ratio	Lower	Upper
42	100		
72	44.1	35.5	53.3
71	41.8	33.7	50.5

Manual Integrations
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#30

Chloroform

Concen: 20.51 ug/l

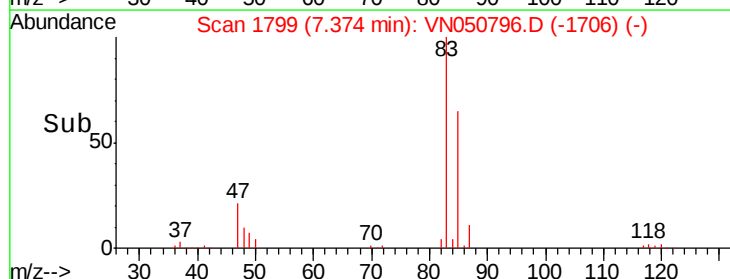
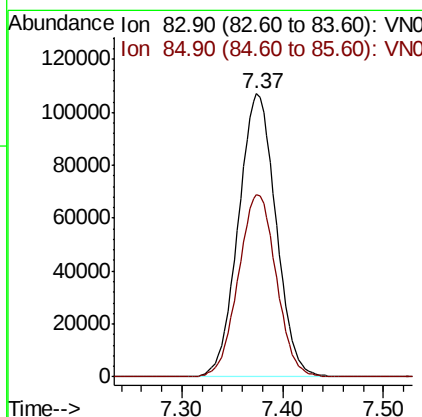
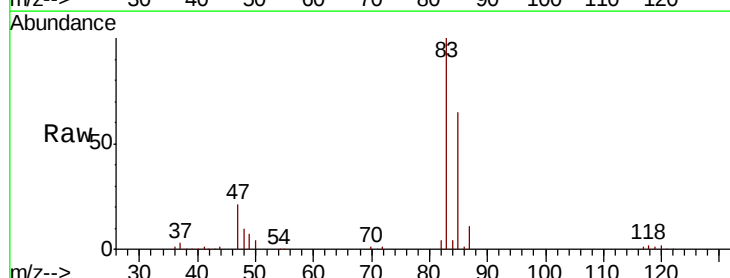
RT: 7.37 min Scan# 1799

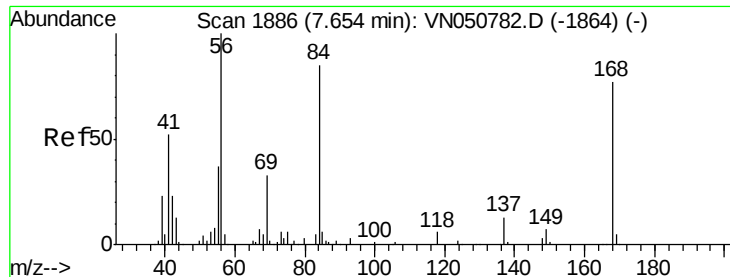
Delta R.T. -0.00 min

Lab File: VN050796.D

Acq: 21 Aug 2018 21:47

Tgt Ion:	83	Resp:	276474
Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.2	78.4





#31

Cyclohexane

Concen: 20.09 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050796.D

Acq: 21 Aug 2018 21:47

Instrument :

MSVOA_N

ClientSampleId :

VN0821WBSD02

Tot Ion: 56 Resp: 245099

Ion Ratio Lower Upper

56 100

69 35.2 26.2 39.4

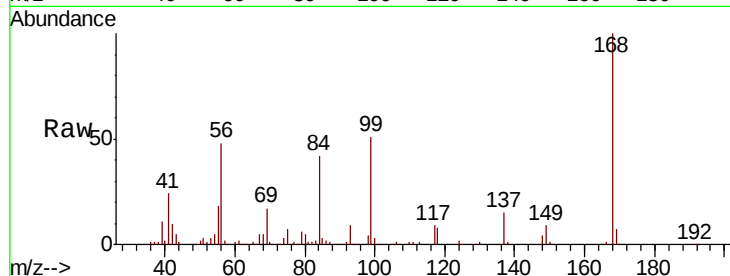
84 86.3 68.3 102.5

Manual Integrations

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MMDadoda

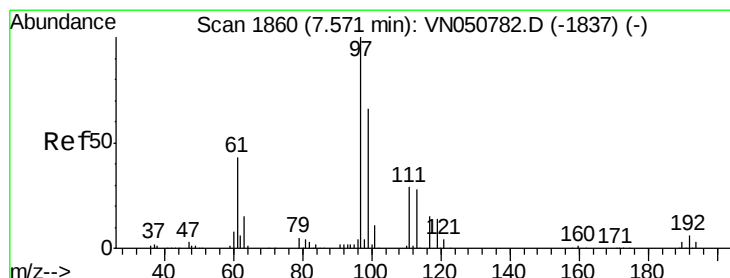
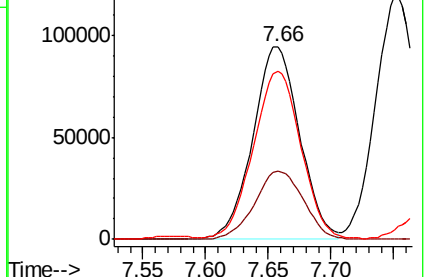
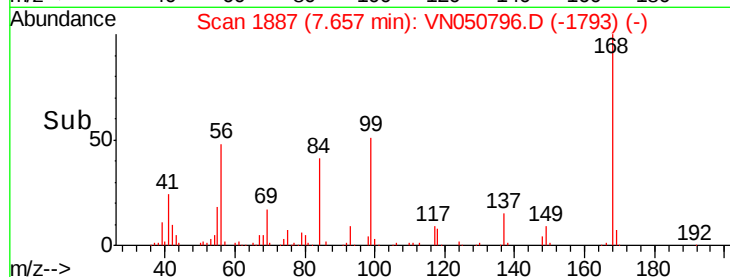
8/22/2018 11:19:25 AM



Abundance Ion 56.00 (55.70 to 56.70): VN050782.D (-1864) (-)

Ion 69.00 (68.70 to 69.70): VN050782.D (-1864) (-)

Ion 84.00 (83.70 to 84.70): VN050782.D (-1864) (-)



#32

1,1,1-Trichloroethane

Concen: 20.22 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN050796.D

Acq: 21 Aug 2018 21:47

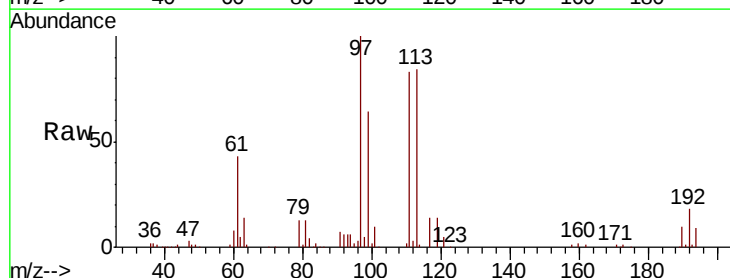
Tgt Ion: 97 Resp: 234150

Ion Ratio Lower Upper

97 100

99 64.7 51.8 77.6

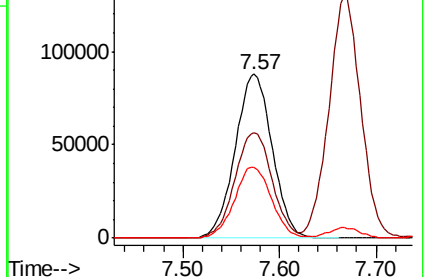
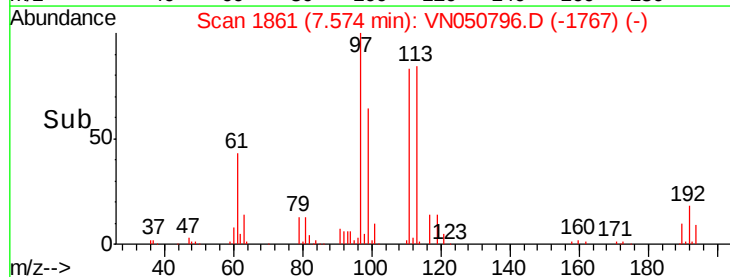
61 43.3 34.9 52.3

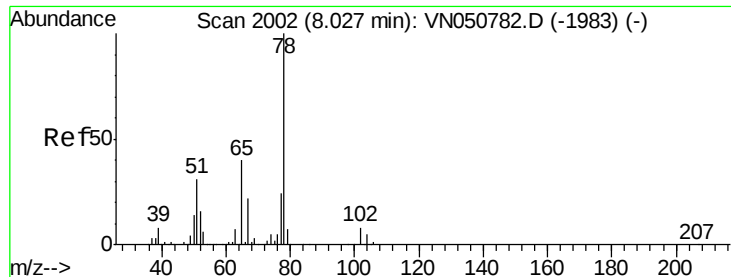


Abundance Ion 96.90 (96.60 to 97.60): VN050782.D (-1837) (-)

Ion 98.90 (98.60 to 99.60): VN050782.D (-1837) (-)

Ion 60.90 (60.60 to 61.60): VN050782.D (-1837) (-)





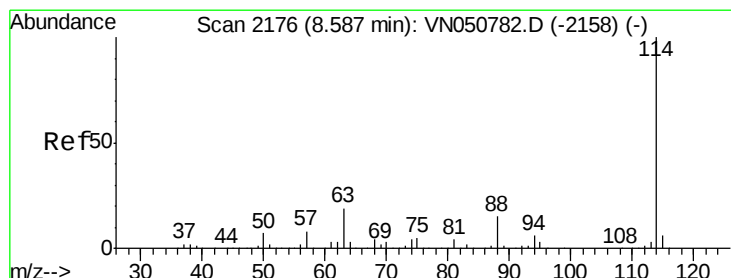
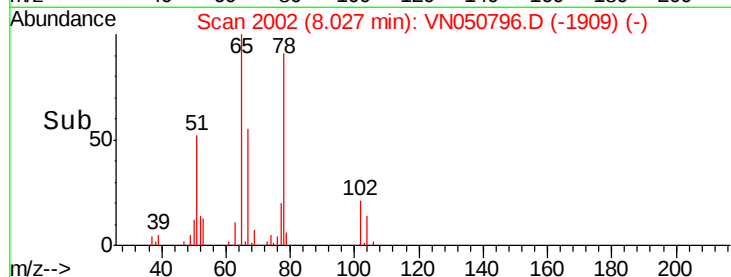
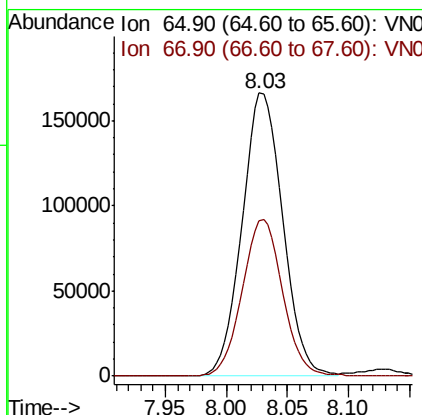
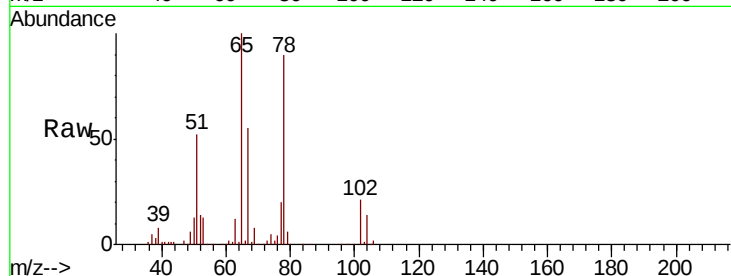
#33
 1,2-Dichloroethane-d4
 Concen: 52.45 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN050796.D
 Acq: 21 Aug 2018 21:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0821WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.9	0.0	110.4	

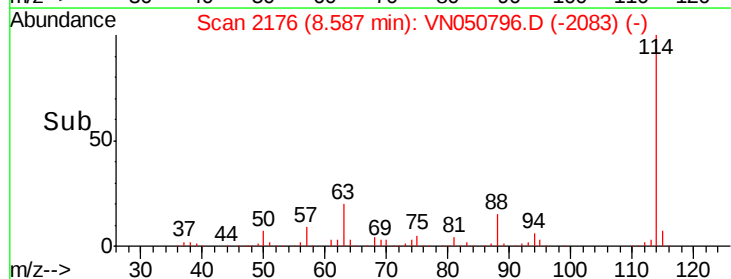
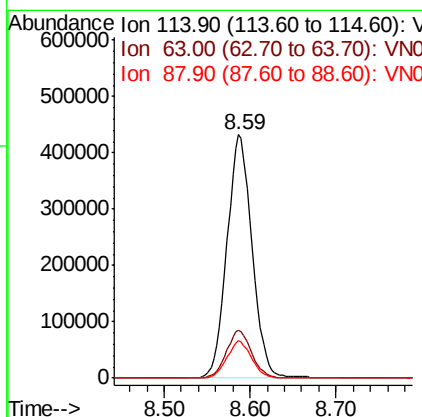
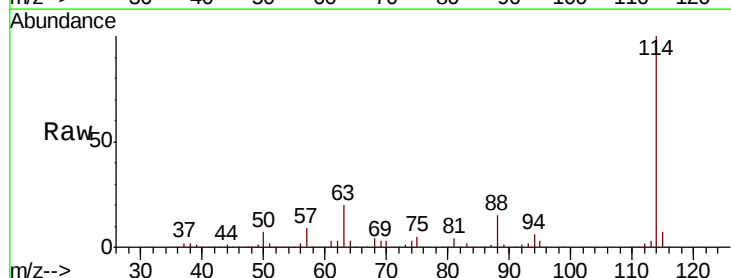
Manual Integrations
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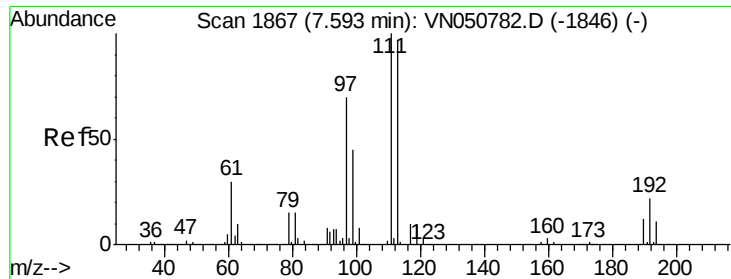
MMDadoda
 8/22/2018 11:19:25 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050796.D
 Acq: 21 Aug 2018 21:47

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.8	0.0	38.6	
88	15.2	0.0	30.6	





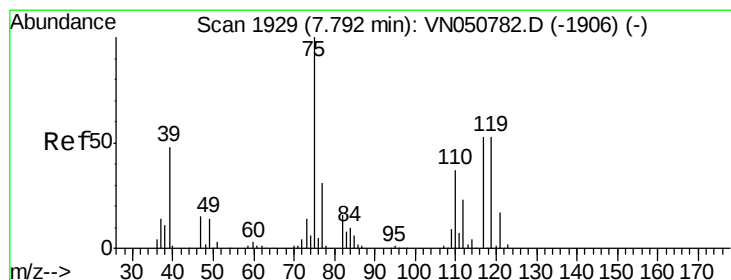
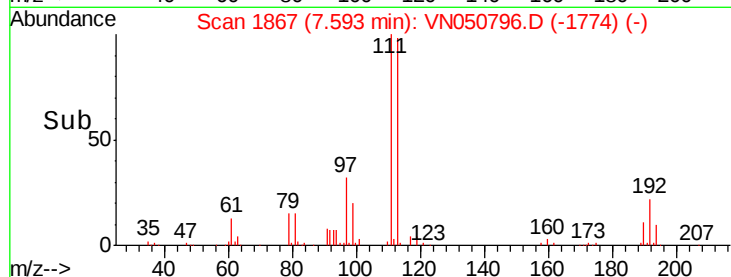
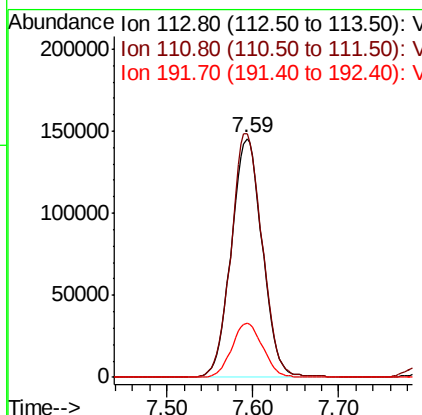
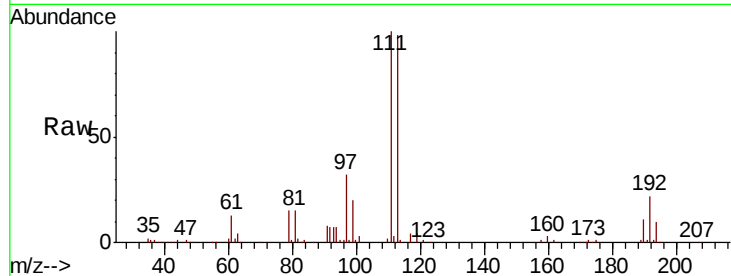
#35
 Dibromofluoromethane
 Concen: 52.43 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050796.D
 Acq: 21 Aug 2018 21:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0821WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.0	82.6	123.8	
192	22.5	18.0	27.0	

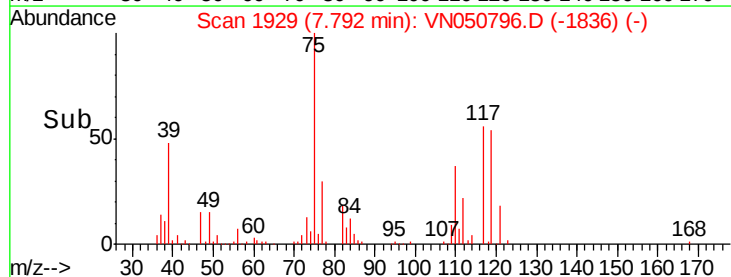
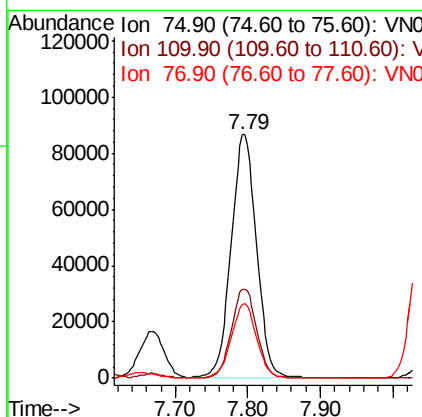
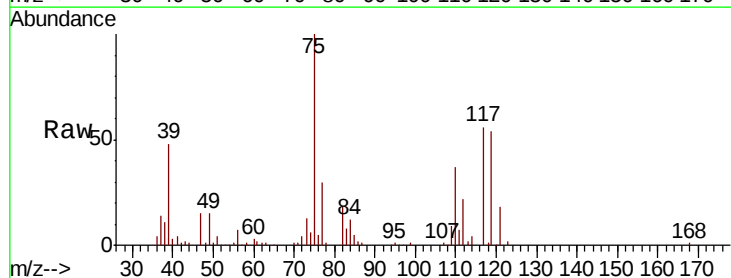
Manual Integrations
 APPROVED

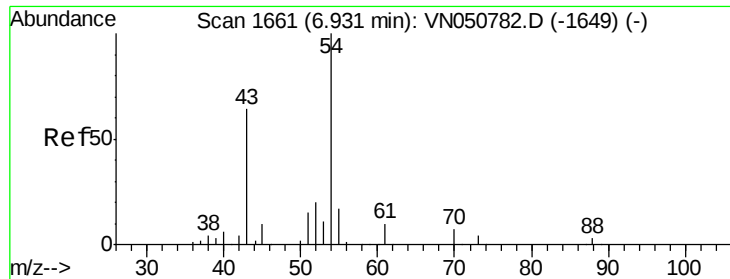
MMDadoda
 8/22/2018 11:19:25 AM



#36
 1,1-Dichloropropene
 Concen: 20.50 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050796.D
 Acq: 21 Aug 2018 21:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.2	18.1	54.4	
77	30.4	24.8	37.2	





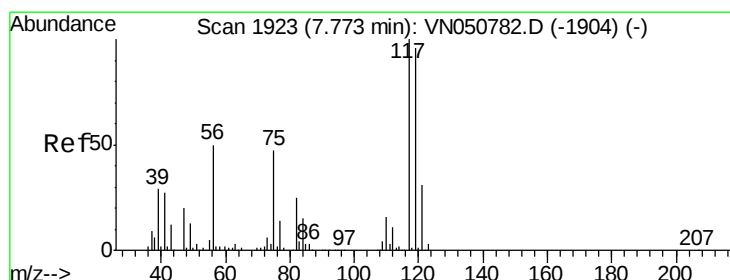
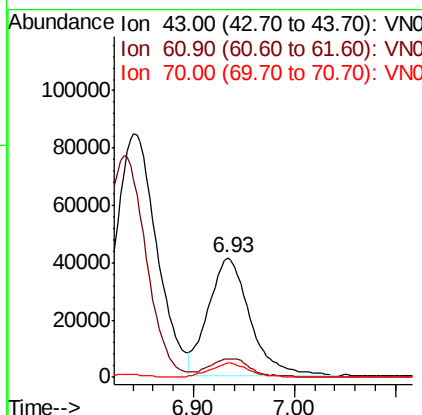
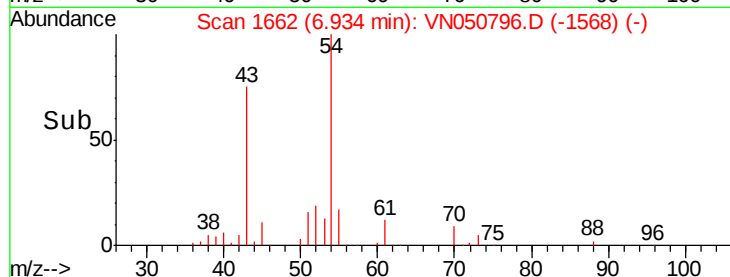
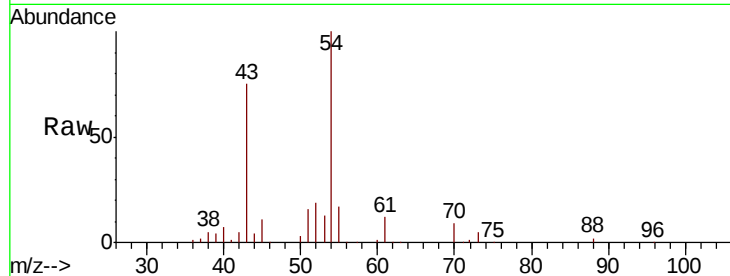
#37
Ethyl Acetate
Concen: 19.88 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN050796.D
Acq: 21 Aug 2018 21:47

Instrument :
MSVOA_N
ClientSampleId :
VN0821WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	12.0	18.0
70	11.5	8.6	13.0

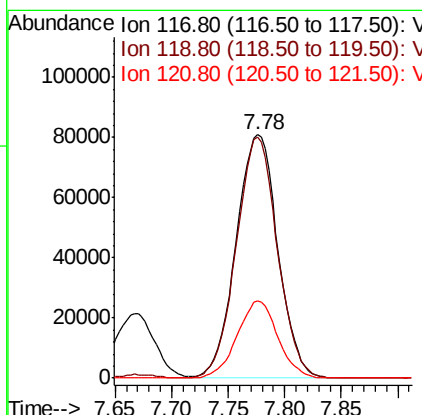
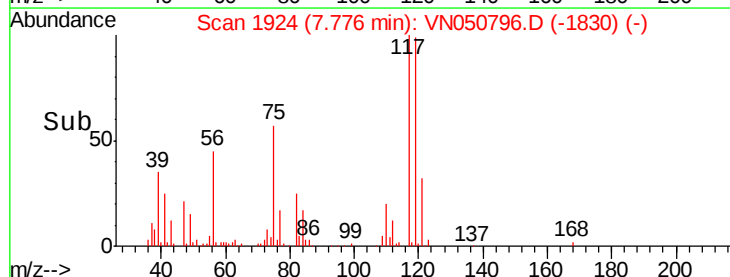
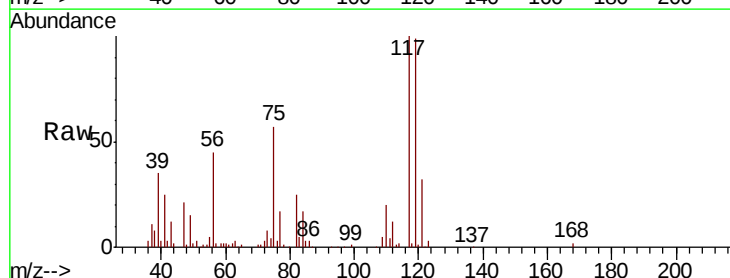
Manual Integrations
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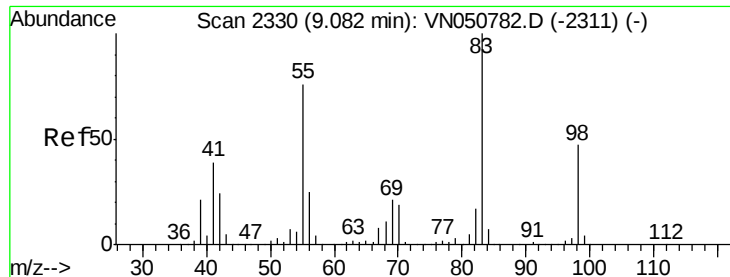
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.89 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050796.D
Acq: 21 Aug 2018 21:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.1	76.3	114.5
121	31.5	24.6	36.8





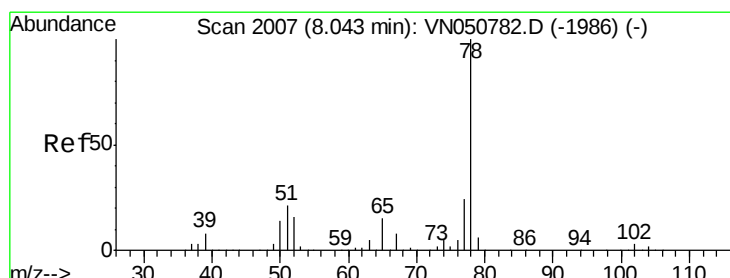
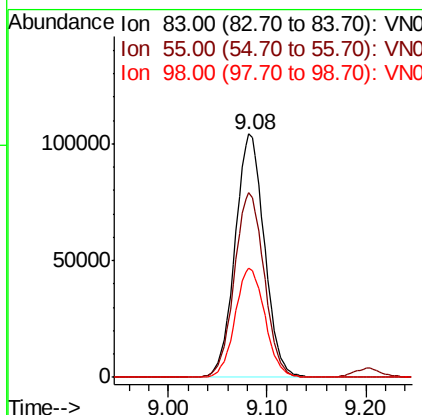
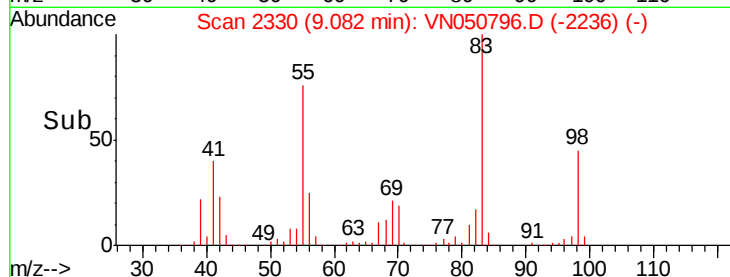
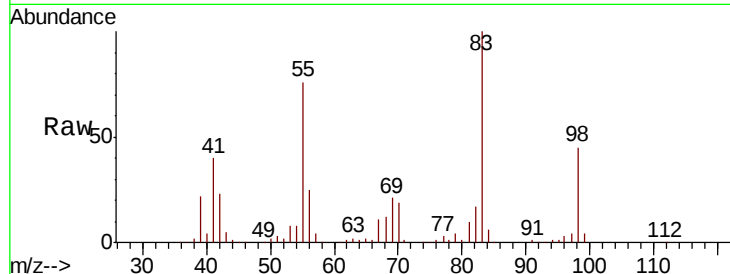
#39
Methvlcvclohexane
Concen: 19.21 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050796.D
Acq: 21 Aug 2018 21:47

Instrument :
MSVOA_N
ClientSampleId :
VN0821WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.7	61.0	91.4
98	44.9	37.5	56.3

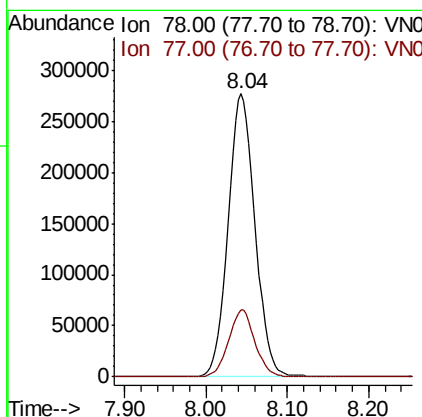
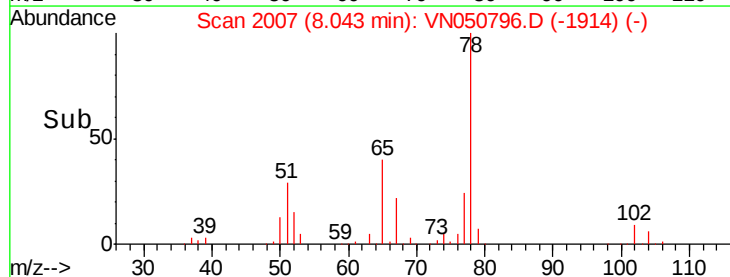
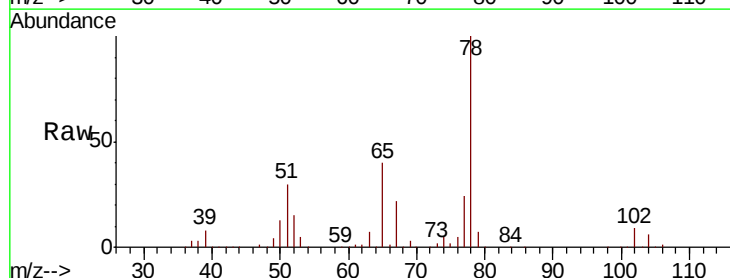
Manual Integrations
APPROVED

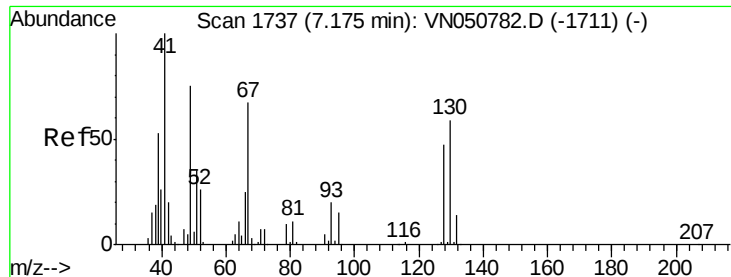
MMDadoda
8/22/2018 11:19:25 AM



#40
Benzene
Concen: 20.49 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050796.D
Acq: 21 Aug 2018 21:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.4





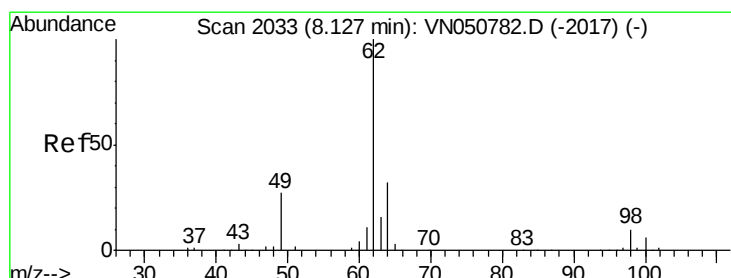
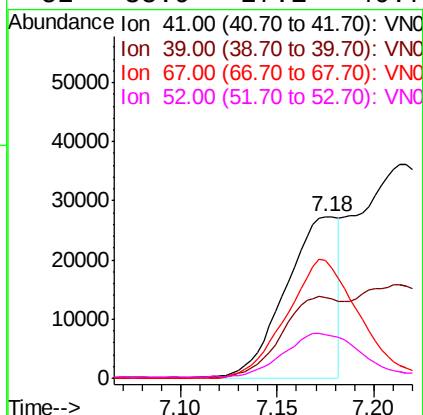
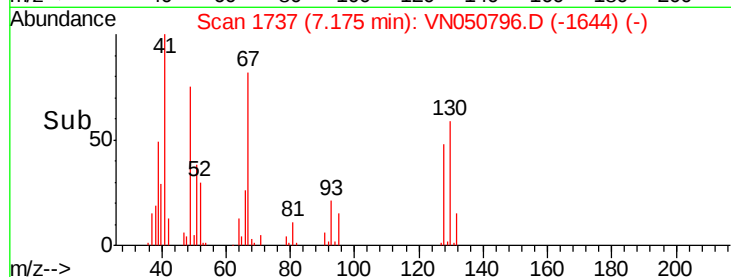
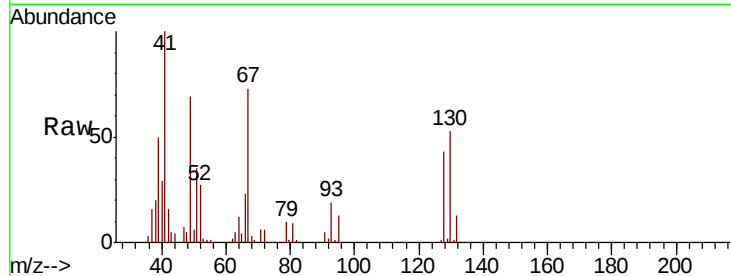
#41
Methacrylonitrile
Concen: 16.11 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN050796.D
Acq: 21 Aug 2018 21:47

Instrument :
MSVOA_N
ClientSampleId :
VN0821WBSD02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	57.4	45.4	68.0	
67	101.6	70.6	106.0	
52	38.9	27.1	40.7	

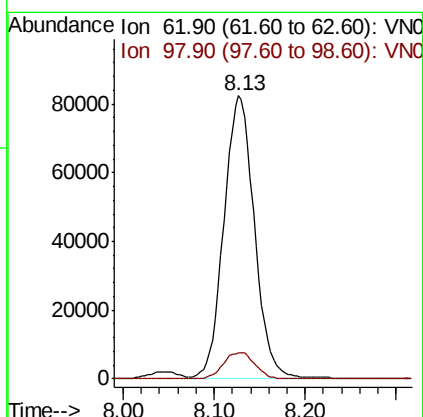
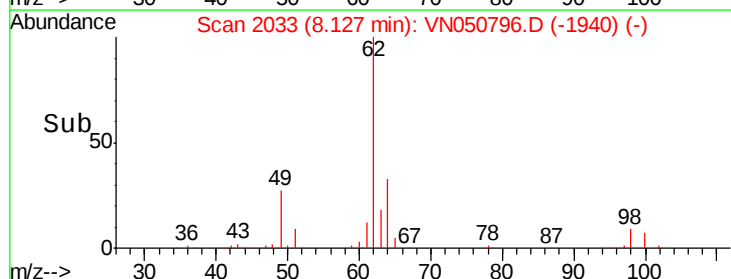
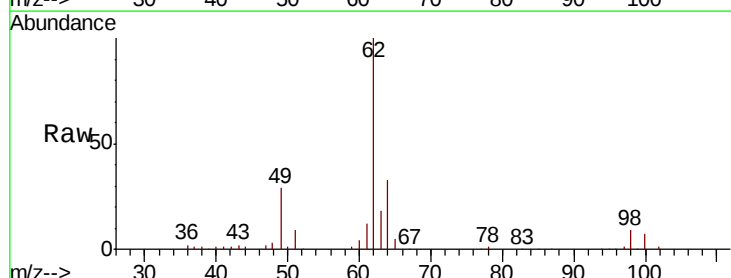
Manual Integrations
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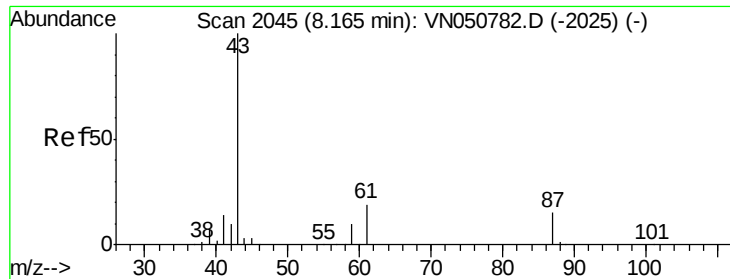
MMDadoda
8/22/2018 11:19:25 AM



#42
1,2-Dichloroethane
Concen: 20.46 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN050796.D
Acq: 21 Aug 2018 21:47

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.7	0.0	19.6	





#43

Isopropyl Acetate

Concen: 19.99 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. 0.00 min

Lab File: VN050796.D

Acq: 21 Aug 2018 21:47

Instrument :

MSVOA_N

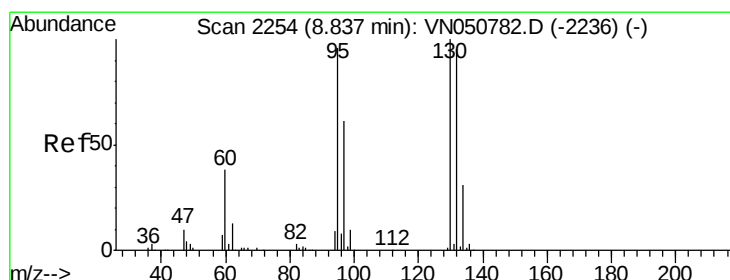
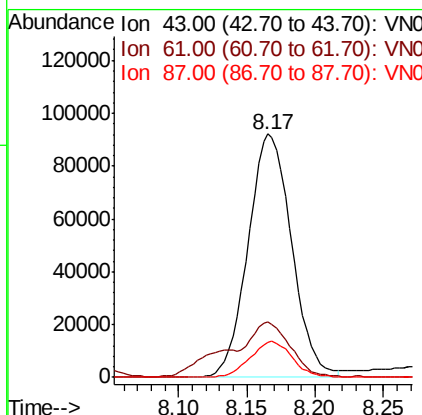
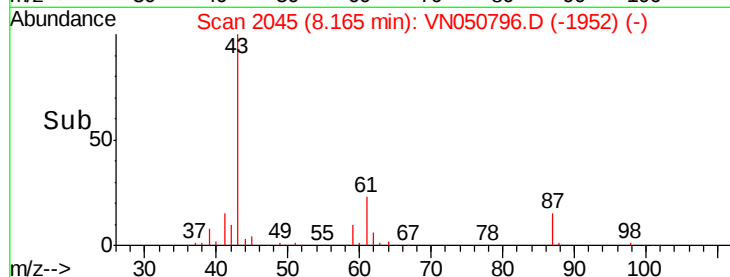
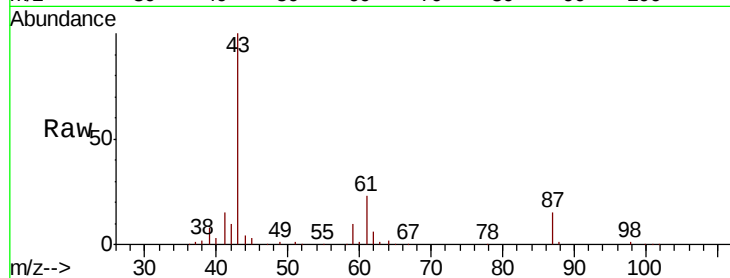
ClientSampleId :

VN0821WBSD02

Tot Ion:	43	Resp:	204371
Ion	Ratio	Lower	Upper
43	100		
61	21.1	17.5	26.3
87	14.4	11.3	16.9

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#44

Trichloroethene

Concen: 20.39 ug/l

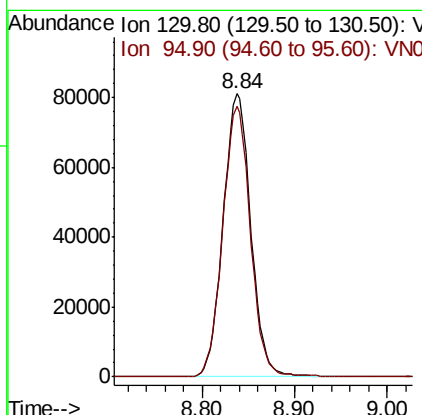
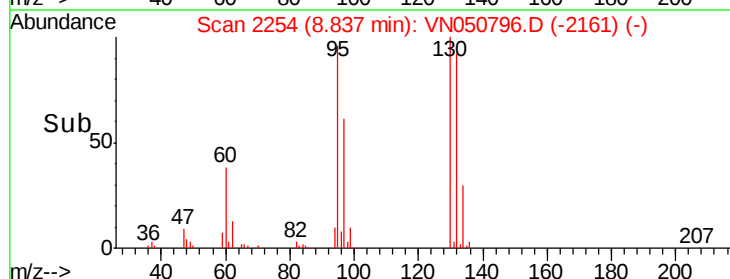
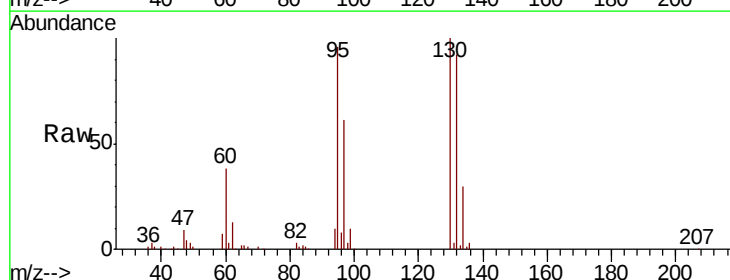
RT: 8.84 min Scan# 2254

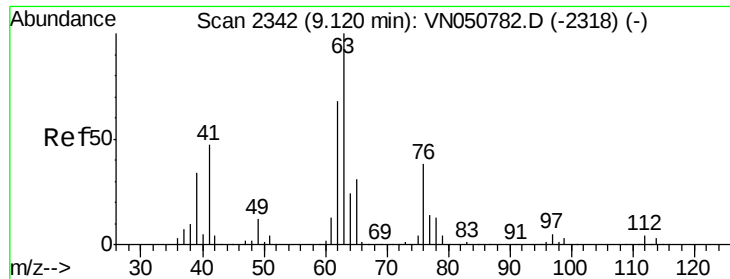
Delta R.T. -0.00 min

Lab File: VN050796.D

Acq: 21 Aug 2018 21:47

Tgt Ion:	130	Resp:	167830
Ion	Ratio	Lower	Upper
130	100		
95	95.6	0.0	193.0





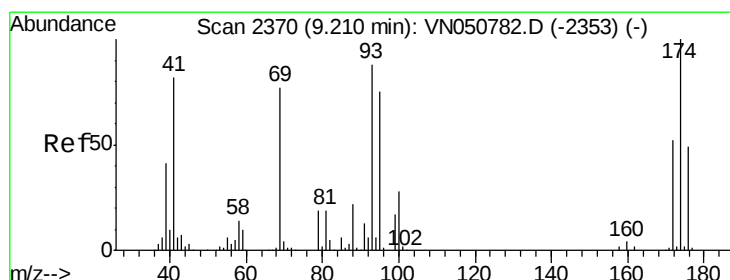
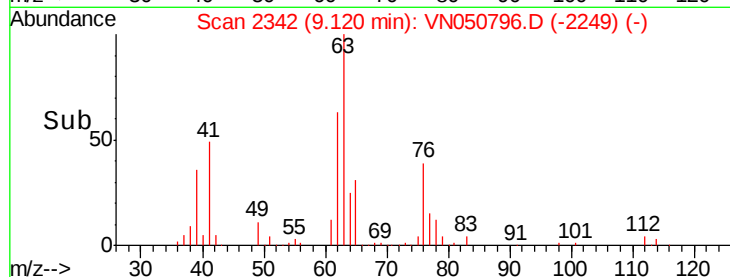
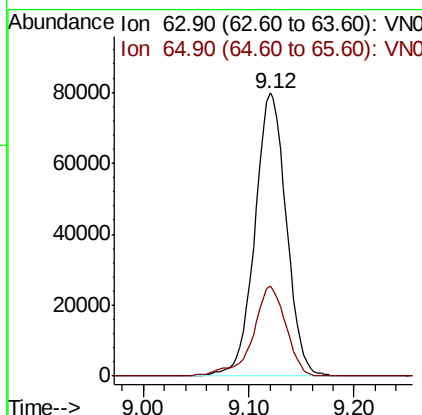
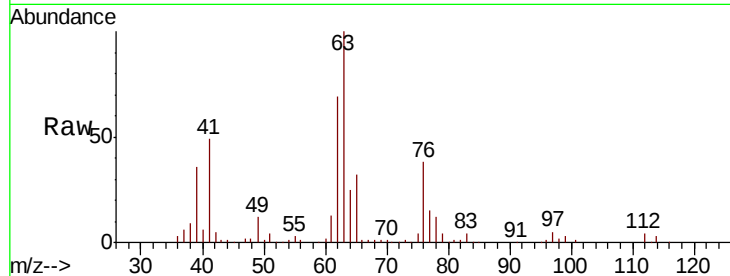
#45
 1,2-Dichloropropane
 Concen: 20.23 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN050796.D
 Acq: 21 Aug 2018 21:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0821WBSD02

Tot Ion: 63 Resp: 165937
 Ion Ratio Lower Upper
 63 100
 65 31.6 25.0 37.6

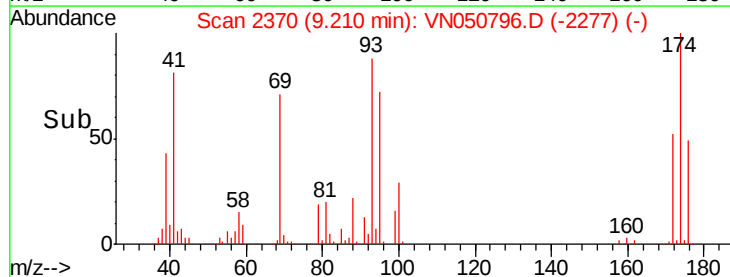
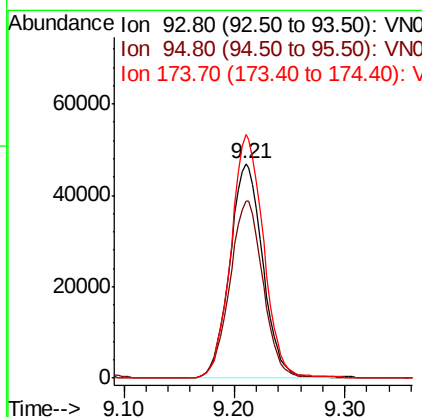
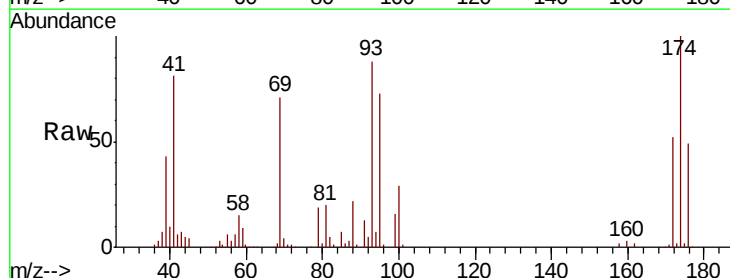
Manual Integrations
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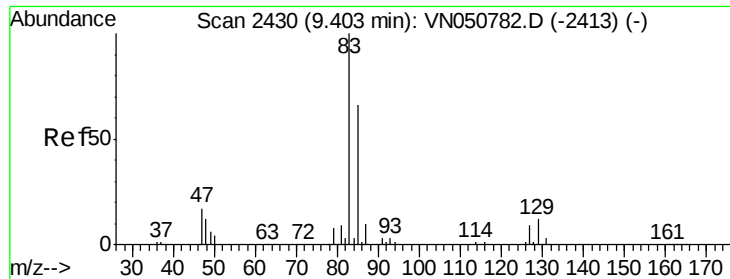
MMDadoda
 8/22/2018 11:19:25 AM



#46
 Dibromomethane
 Concen: 20.18 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN050796.D
 Acq: 21 Aug 2018 21:47

Tgt Ion: 93 Resp: 97250
 Ion Ratio Lower Upper
 93 100
 95 83.2 66.7 100.1
 174 112.5 89.8 134.6





#47

Bromodichloromethane

Concen: 20.35 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN050796.D

Acq: 21 Aug 2018 21:47

Instrument :

MSVOA_N

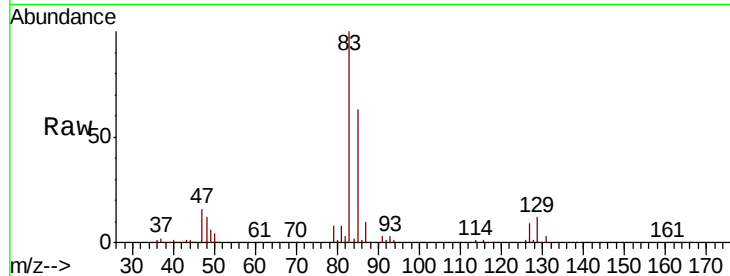
ClientSampleId :

VN0821WBSD02

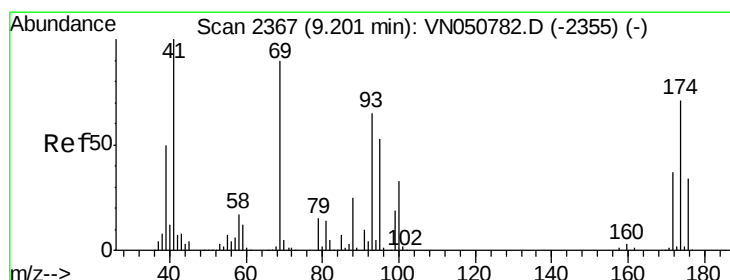
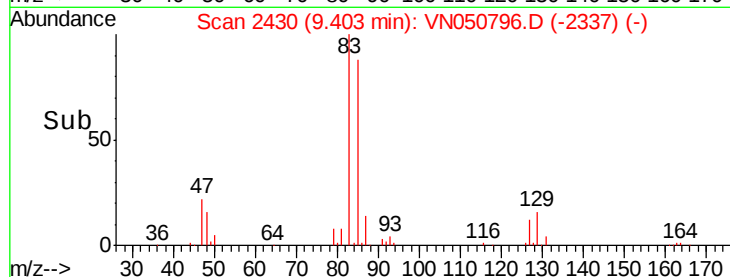
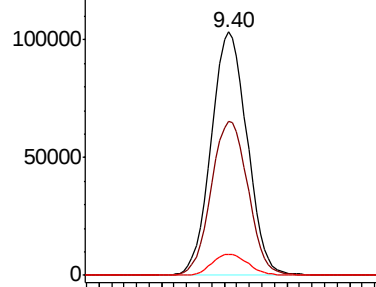
Tot Ion:	83	Resp:	205471
Ion Ratio	Lower	Upper	
83	100		
85	63.3	52.6	78.8
127	8.6	7.2	10.8

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Abundance Ion 82.90 (82.60 to 83.60): VN050782.D (-2413) (-)



#48

Methyl methacrylate

Concen: 20.35 ug/l

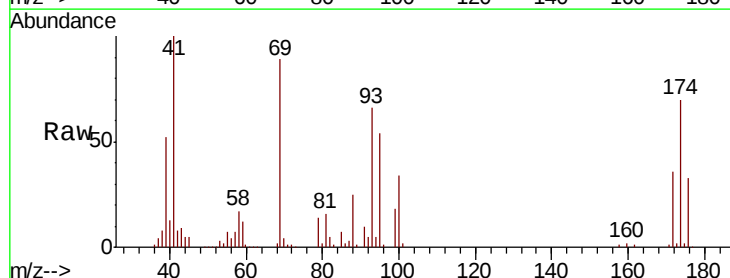
RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

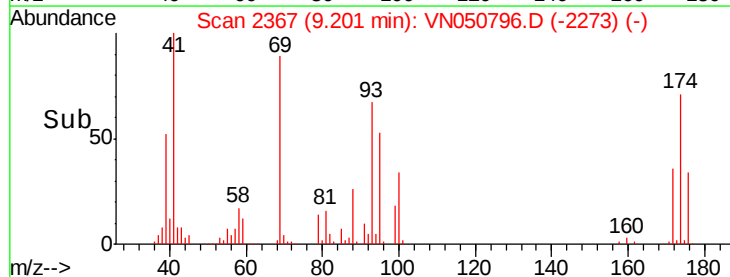
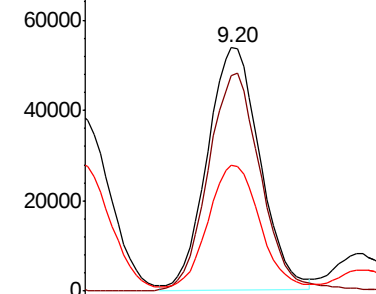
Lab File: VN050796.D

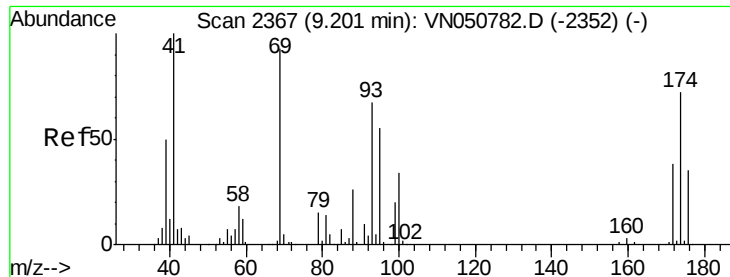
Acq: 21 Aug 2018 21:47

Tgt Ion:	41	Resp:	105992
Ion Ratio	Lower	Upper	
41	100		
69	90.0	74.7	112.1
39	51.0	42.2	63.2



Abundance Ion 41.00 (40.70 to 41.70): VN050782.D (-2355) (-)





#49

1,4-Dioxane

Concen: 411.21 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN050796.D

Acq: 21 Aug 2018 21:47

Instrument :

MSVOA_N

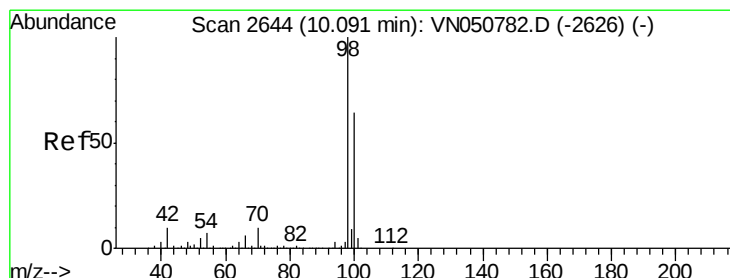
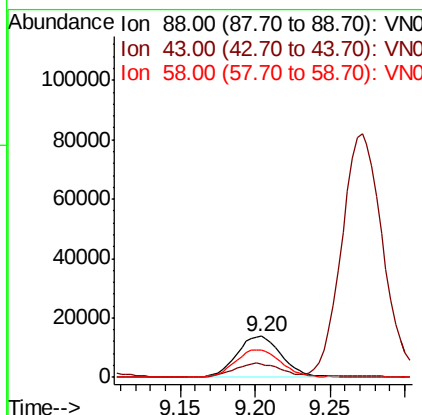
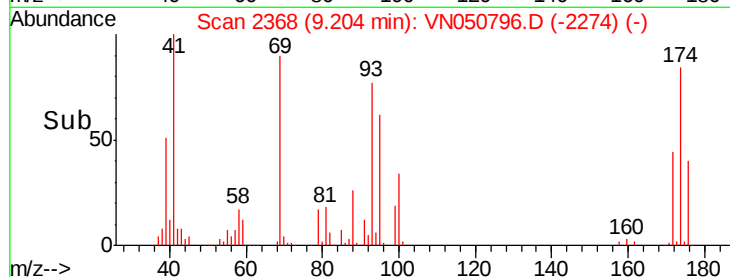
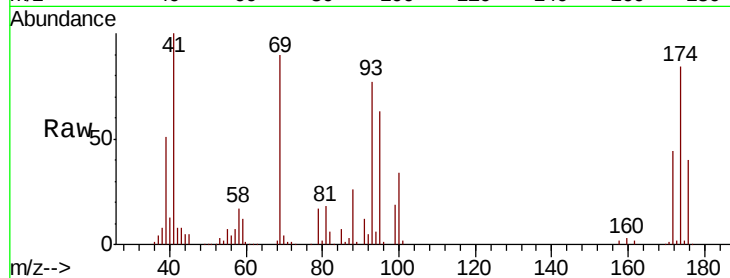
ClientSampleID :

VN0821WBSD02

Tot Ion:	88	Resp:	29203
Ion	Ratio	Lower	Upper
88	100		
43	31.9	25.9	38.9
58	67.3	55.0	82.4

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#50

Toluene-d8

Concen: 52.27 ug/l

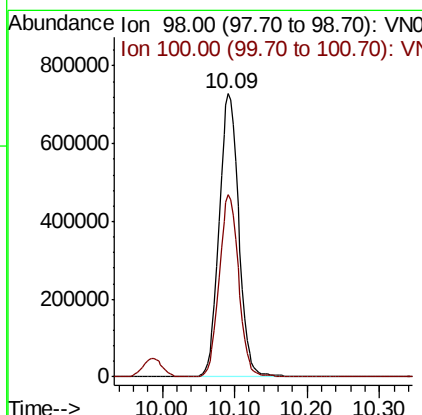
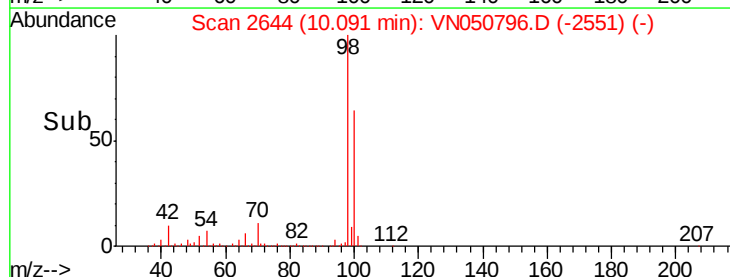
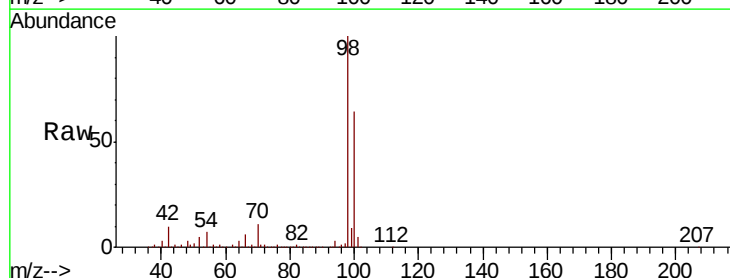
RT: 10.09 min Scan# 2644

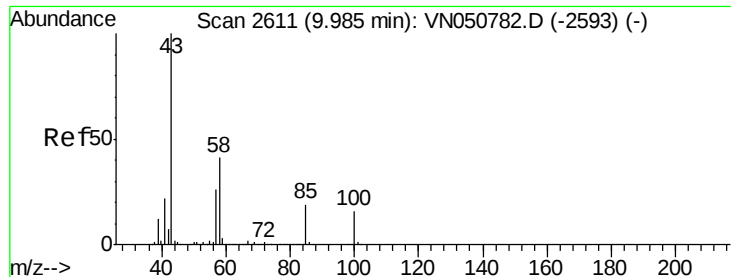
Delta R.T. -0.00 min

Lab File: VN050796.D

Acq: 21 Aug 2018 21:47

Tgt Ion:	98	Resp:	1363453
Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 94.97 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN050796.D

Acq: 21 Aug 2018 21:47

Instrument :

MSVOA_N

ClientSampleId :

VN0821WBSD02

Tot Ion: 43 Resp: 579333

Ion Ratio Lower Upper

43 100

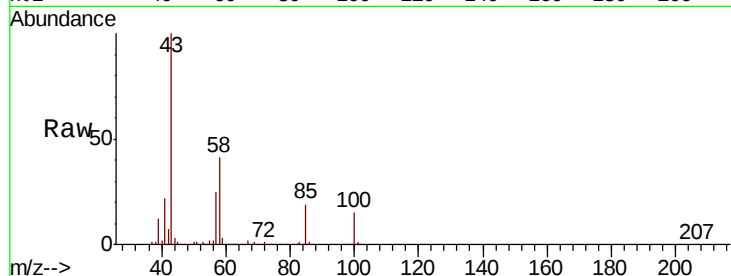
58 40.8 32.4 48.6

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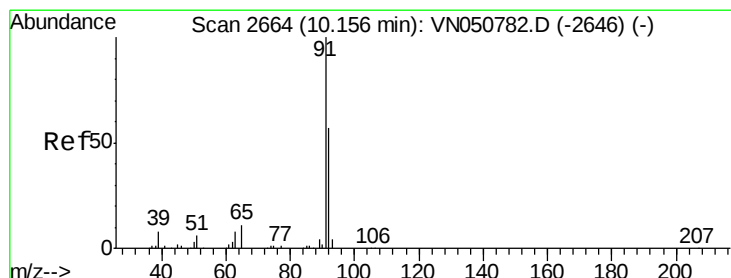
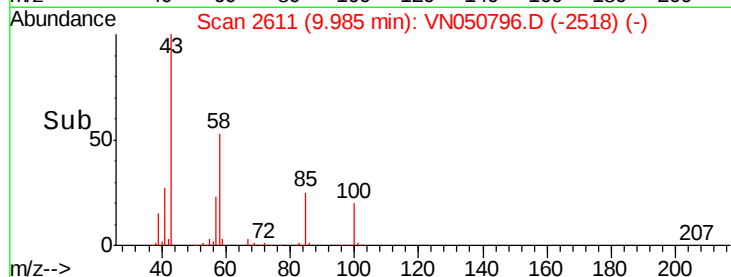
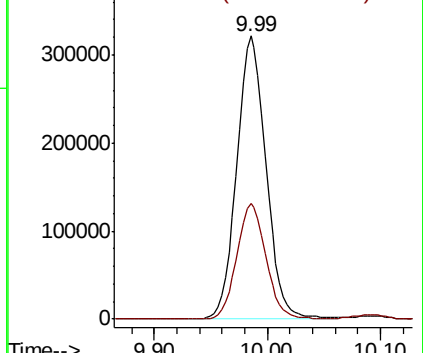
MMDadoda

8/22/2018 11:19:25 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.80 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050796.D

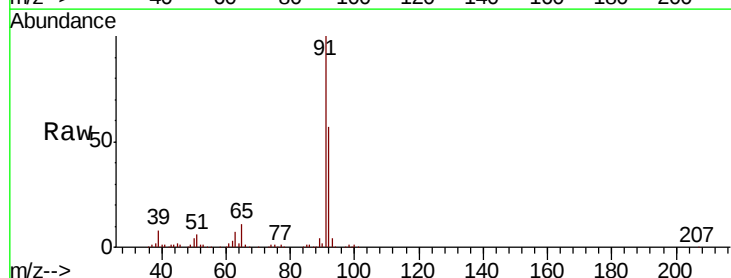
Acq: 21 Aug 2018 21:47

Tgt Ion: 92 Resp: 384617

Ion Ratio Lower Upper

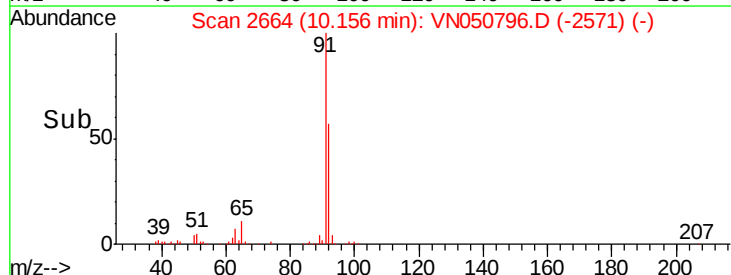
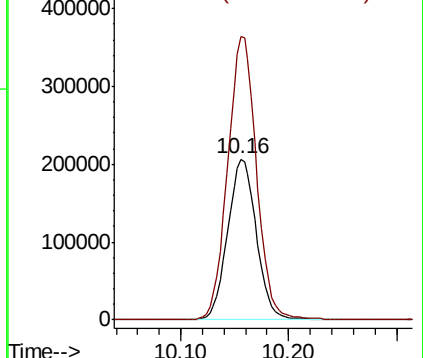
92 100

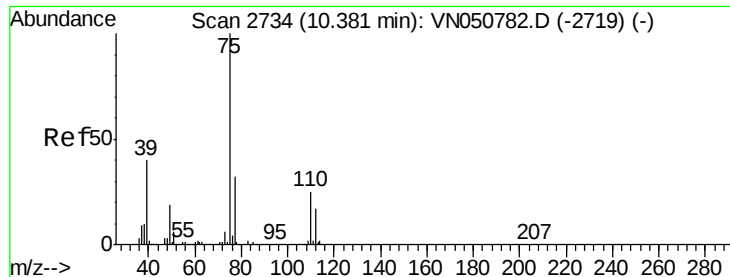
91 176.6 140.6 211.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





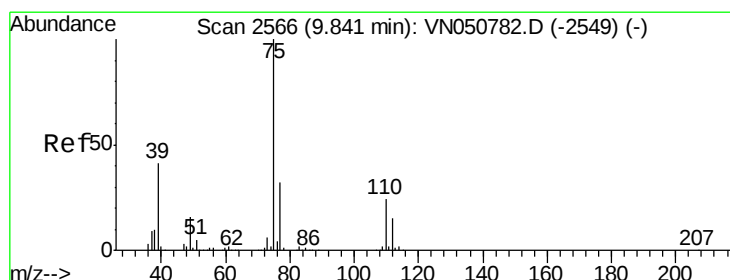
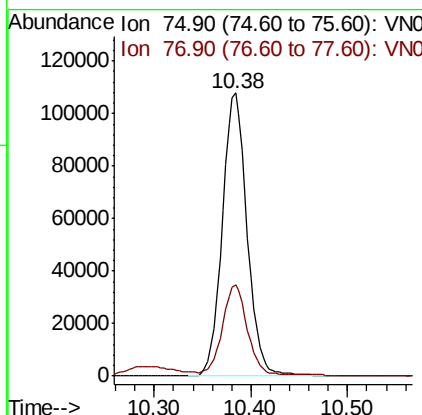
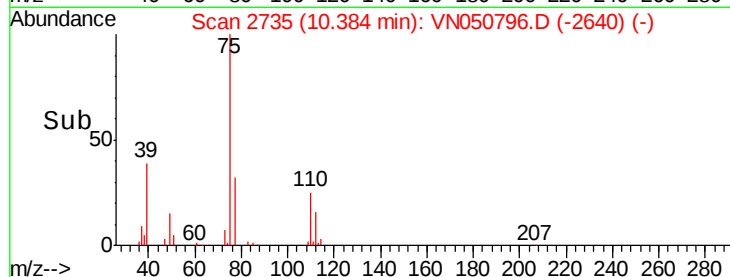
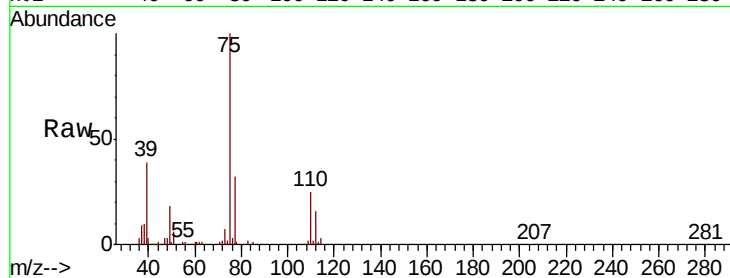
#53
t-1,3-Dichloropropene
Concen: 19.11 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050796.D
Acq: 21 Aug 2018 21:47

Instrument :
MSVOA_N
ClientSampleId :
VN0821WBSD02

Tot Ion	75	Resp	191996
Ion Ratio	Lower	Upper	
75	100		
77	31.7	25.7	38.5

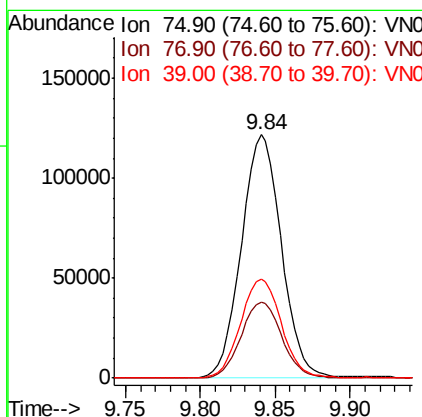
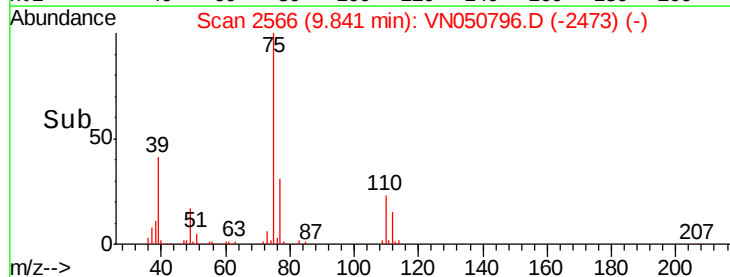
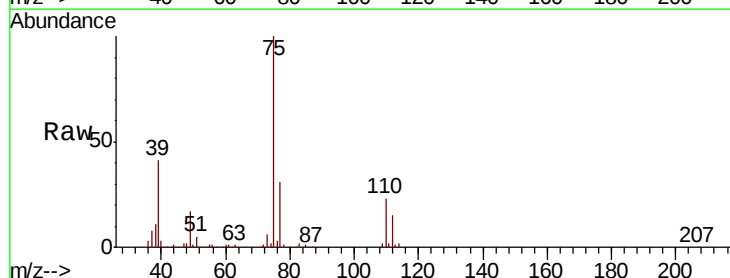
Manual Integrations
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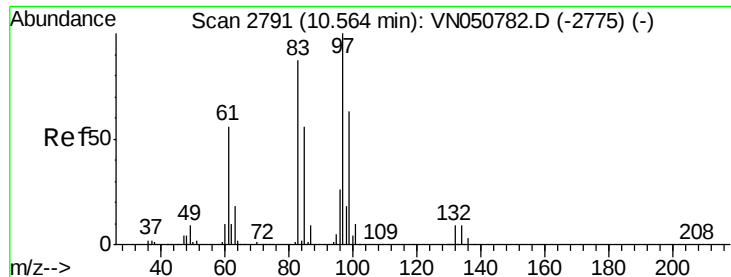
MMDadoda
8/22/2018 11:19:25 AM



#54
cis-1,3-Dichloropropene
Concen: 19.69 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VN050796.D
Acq: 21 Aug 2018 21:47

Tgt Ion	75	Resp	226568
Ion Ratio	Lower	Upper	
75	100		
77	31.4	25.4	38.2
39	40.8	33.0	49.4





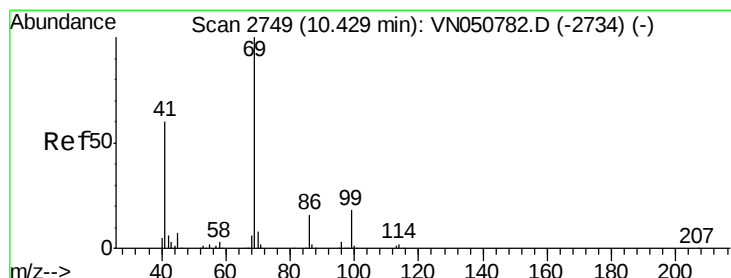
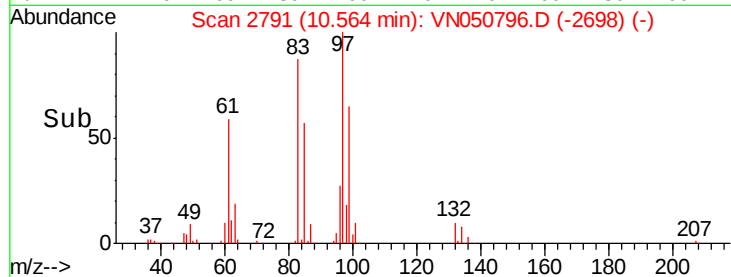
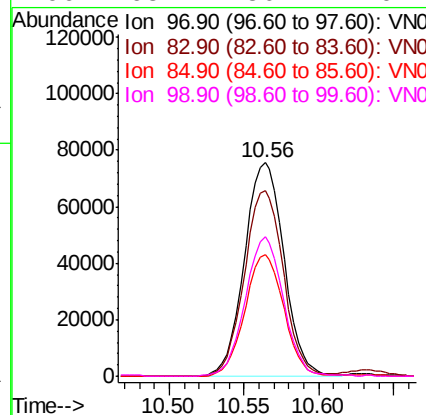
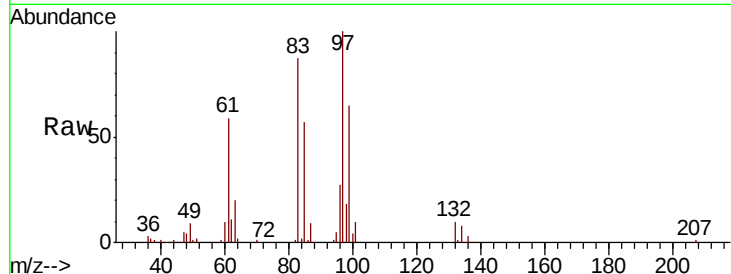
#55
 1,1,2-Trichloroethane
 Concen: 20.29 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050796.D
 Acq: 21 Aug 2018 21:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0821WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		139224		
83	86.9	69.7	104.5		
85	56.8	44.5	66.7		
99	65.4	50.7	76.1		

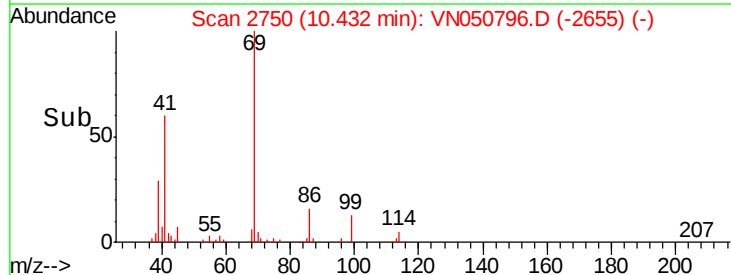
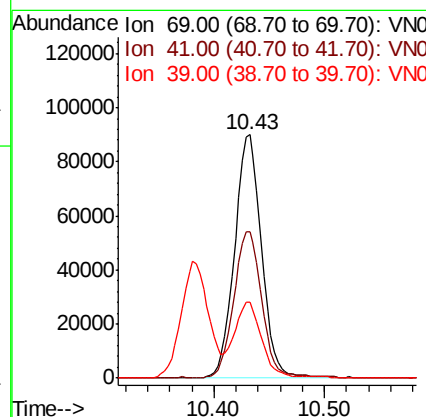
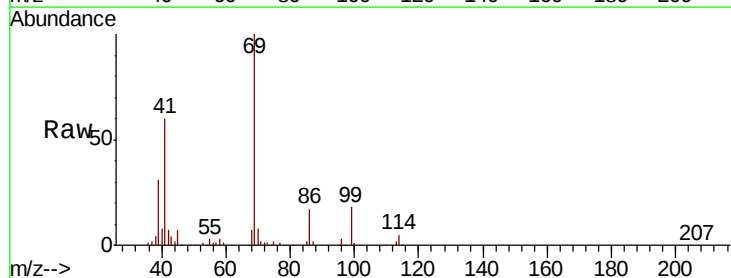
Manual Integrations
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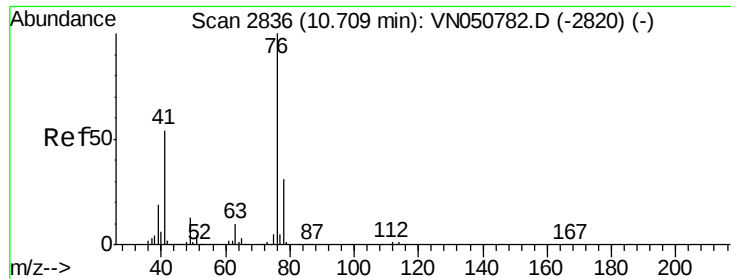
MMDadoda
 8/22/2018 11:19:25 AM



#56
 Ethyl methacrylate
 Concen: 18.65 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050796.D
 Acq: 21 Aug 2018 21:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		152656		
41	62.1	48.3	72.5		
39	31.3	24.0	36.0		





#57

1,3-Dichloropropane

Concen: 20.22 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN050796.D

Acq: 21 Aug 2018 21:47

Instrument :

MSVOA_N

ClientSampleId :

VN0821WBSD02

Tot Ion: 76 Resp: 228975

Ion Ratio Lower Upper

76 100

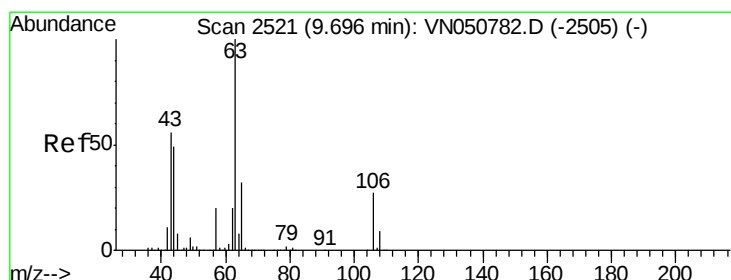
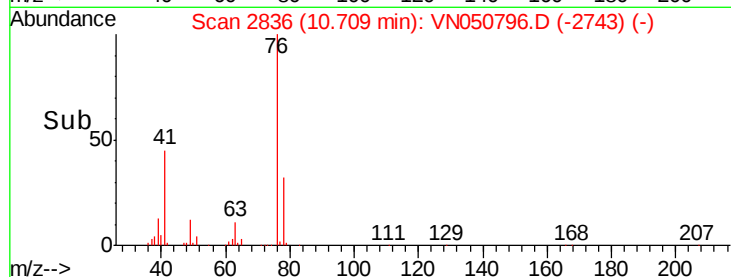
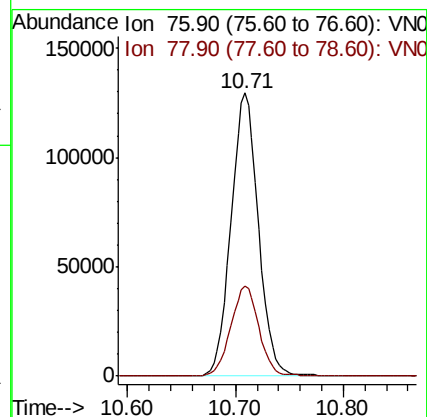
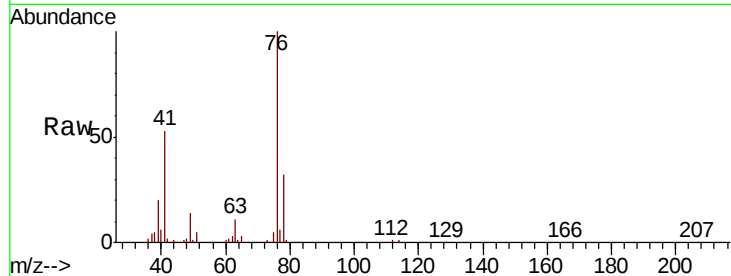
78 32.7 25.5 38.3

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#58

2-Chloroethyl Vinyl ether

Concen: 93.75 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN050796.D

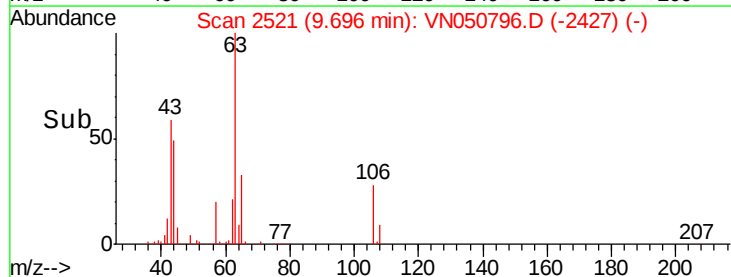
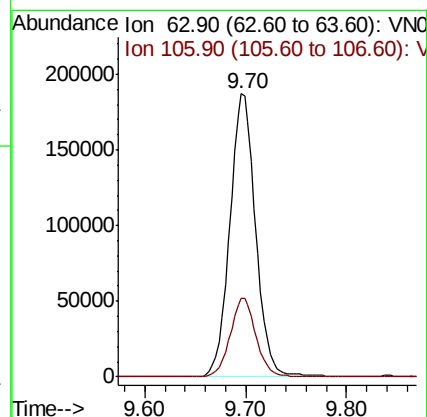
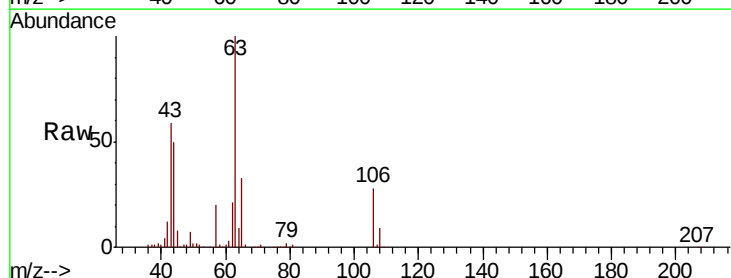
Acq: 21 Aug 2018 21:47

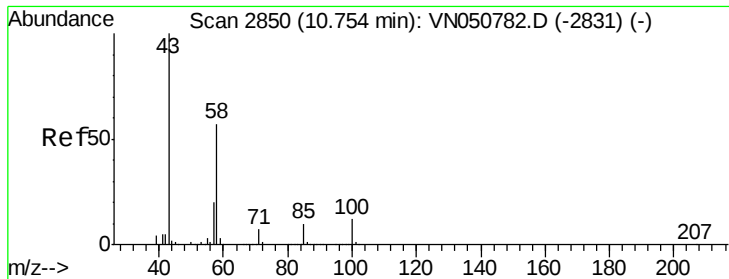
Tgt Ion: 63 Resp: 333868

Ion Ratio Lower Upper

63 100

106 27.6 21.9 32.9





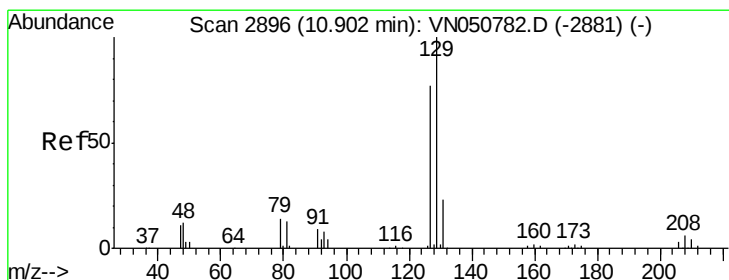
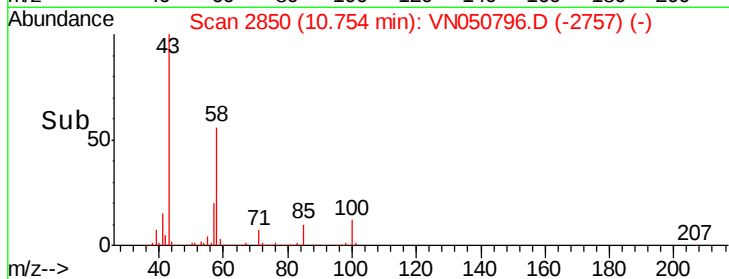
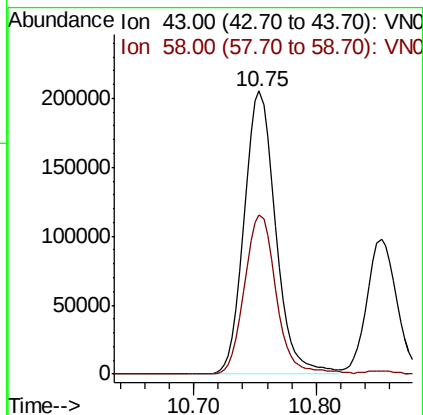
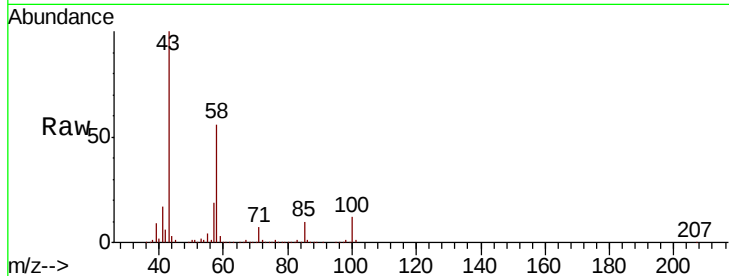
#59
2-Hexanone
Concen: 89.76 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050796.D
Acq: 21 Aug 2018 21:47

Instrument :
MSVOA_N
ClientSampleId :
VN0821WBSD02

Tot Ion	43	Resp	364492
Ion Ratio	43	100	
Lower	58	56.5	28.3
Upper			85.0

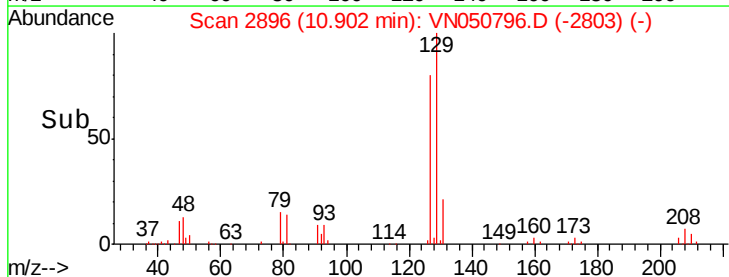
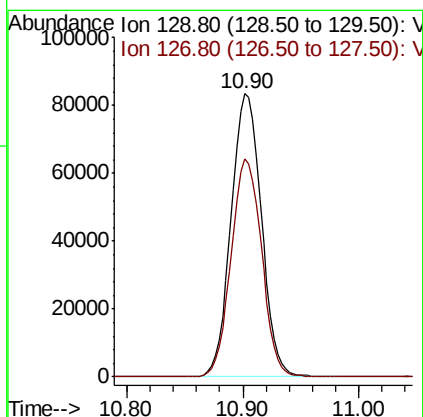
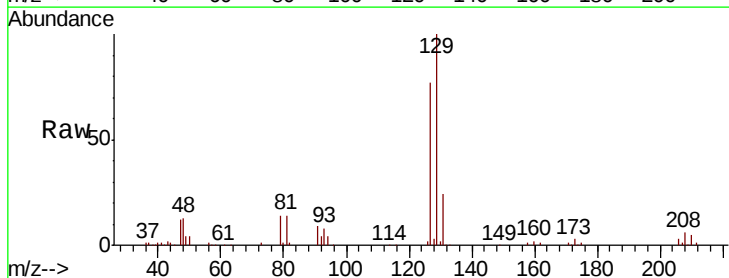
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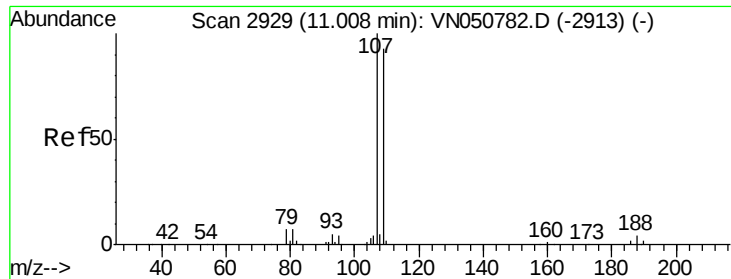
MMDadoda
8/22/2018 11:19:25 AM



#60
Dibromochloromethane
Concen: 19.74 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN050796.D
Acq: 21 Aug 2018 21:47

Tgt Ion	129	Resp	151630
Ion Ratio	129	100	
Lower	127	77.4	38.3
Upper			114.9





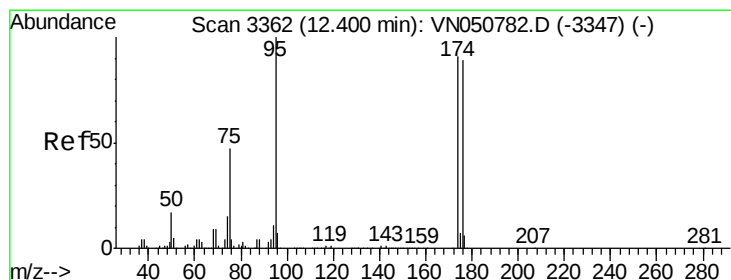
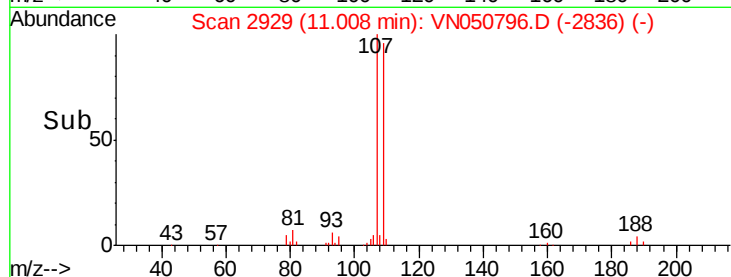
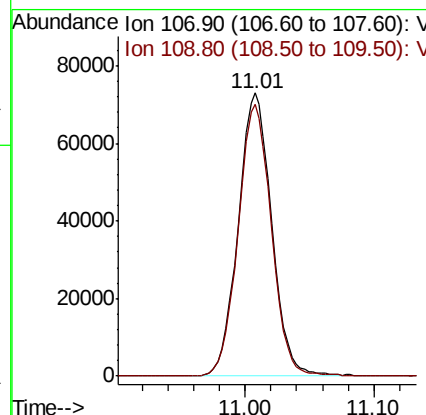
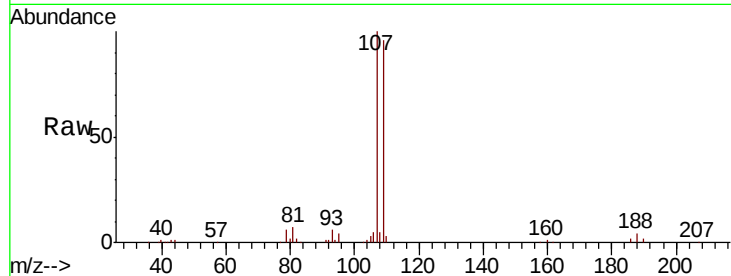
#61
 1,2-Dibromoethane
 Concen: 19.78 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN050796.D
 Acq: 21 Aug 2018 21:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0821WBSD02

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.5	75.4	113.2

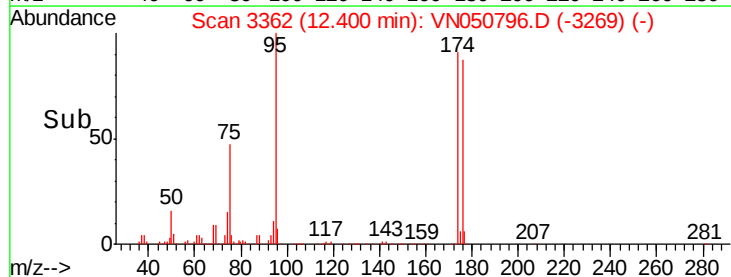
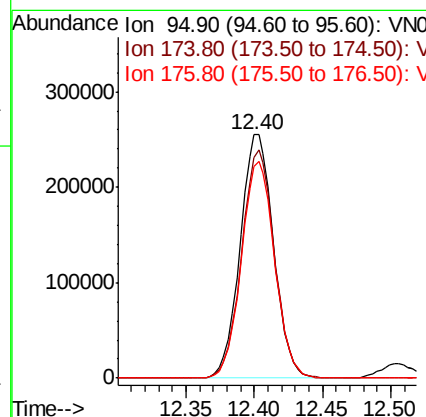
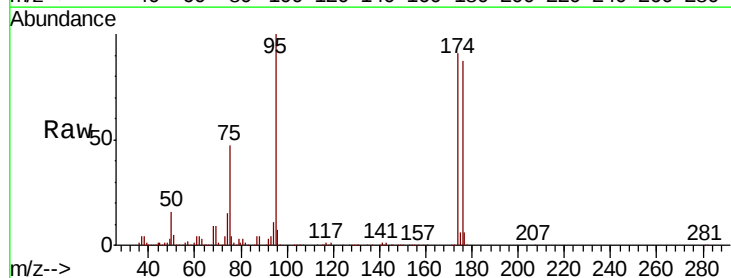
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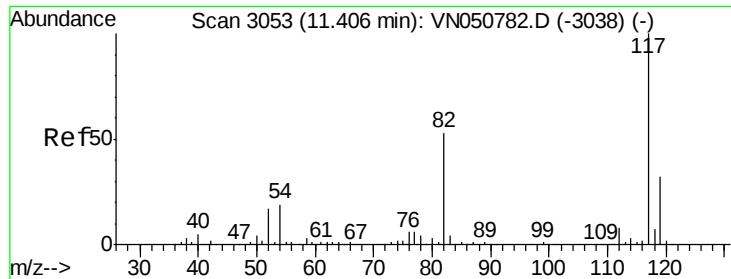
MMDadoda
 8/22/2018 11:19:25 AM



#62
 4-Bromofluorobenzene
 Concen: 49.81 ug/l
 RT: 12.40 min Scan# 3362
 Delta R.T. -0.00 min
 Lab File: VN050796.D
 Acq: 21 Aug 2018 21:47

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.1	0.0	183.0
176	88.8	0.0	178.8





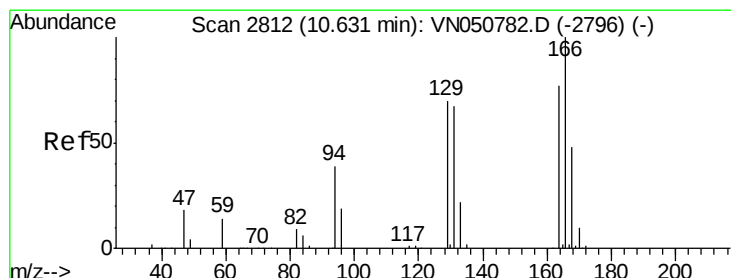
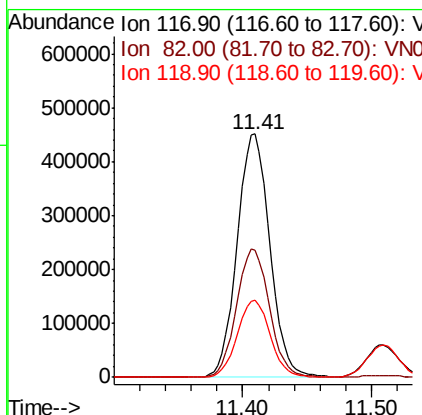
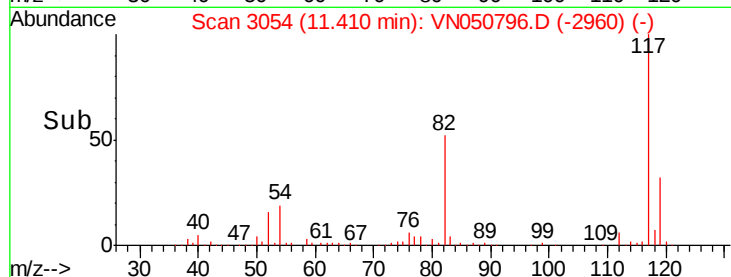
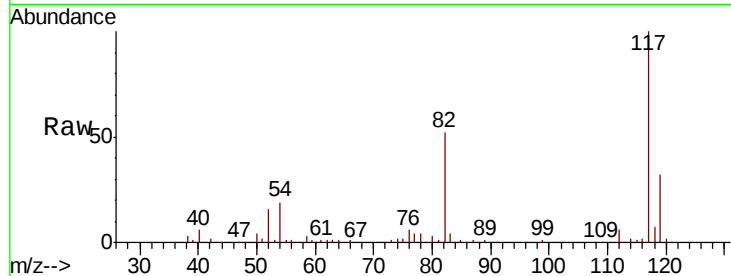
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050796.D
Acq: 21 Aug 2018 21:47

Instrument :
MSVOA_N
ClientSampleId :
VN0821WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.3	42.6	64.0
119	31.6	25.8	38.6

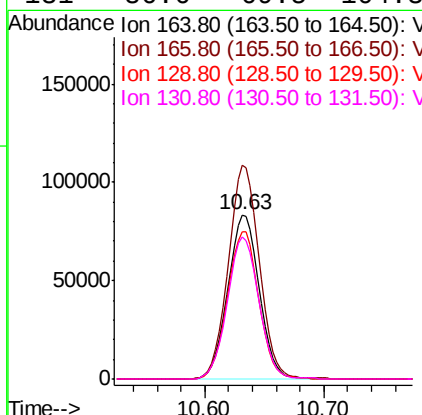
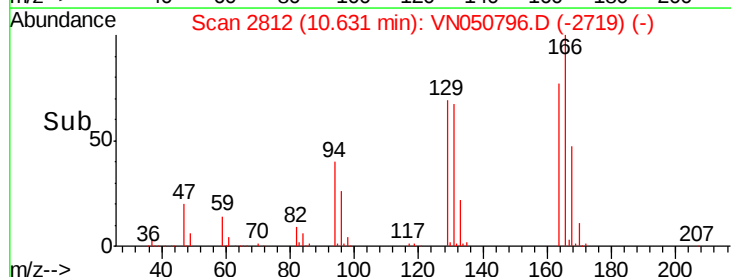
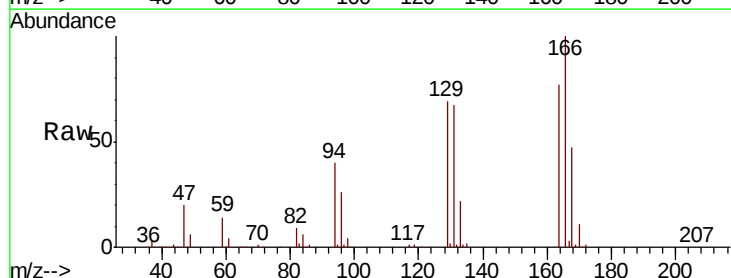
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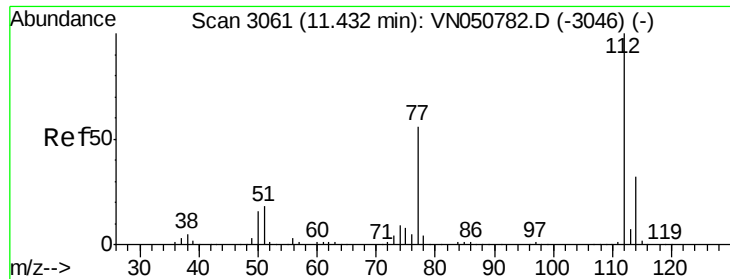
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#64
Tetrachloroethene
Concen: 20.12 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050796.D
Acq: 21 Aug 2018 21:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.0	103.5	155.3
129	89.7	72.7	109.1
131	86.6	69.5	104.3





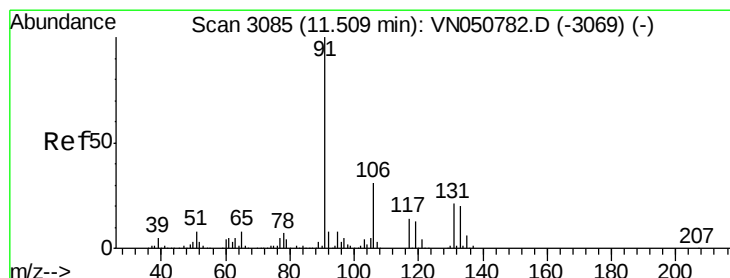
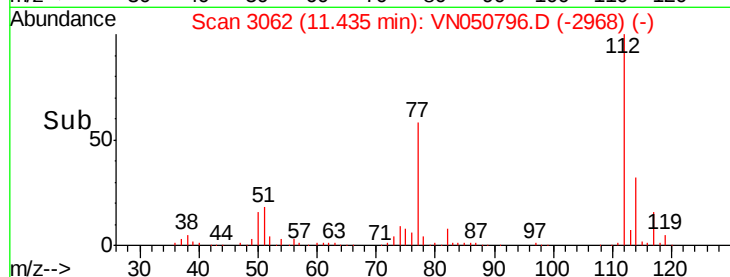
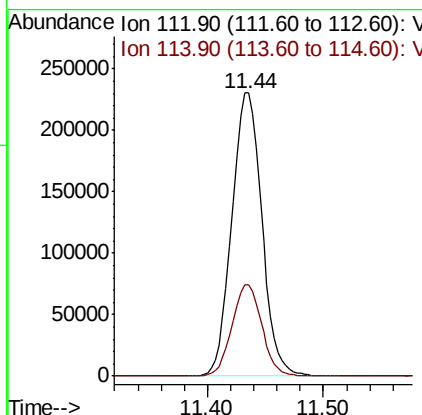
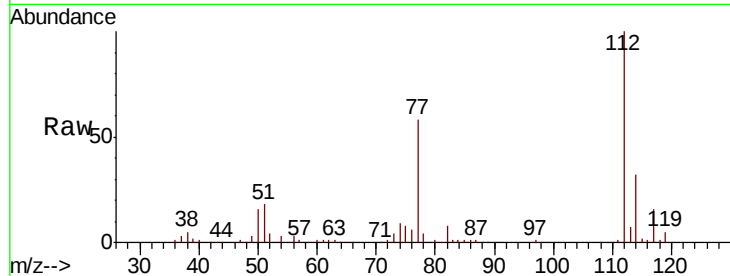
#65
Chlorobenzene
Concen: 19.76 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050796.D
Acq: 21 Aug 2018 21:47

Instrument :
MSVOA_N
ClientSampled :
VN0821WBSD02

Tot Ion:112 Resp: 412470
Ion Ratio Lower Upper
112 100
114 32.5 25.6 38.4

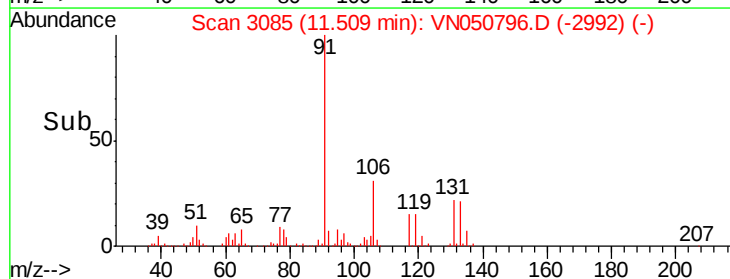
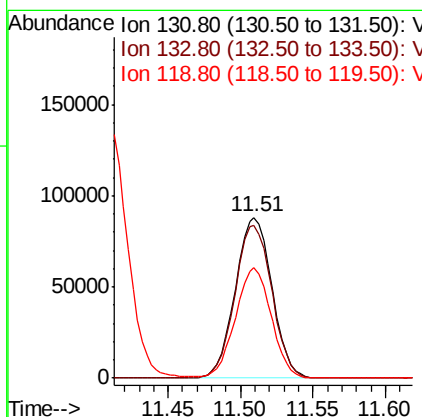
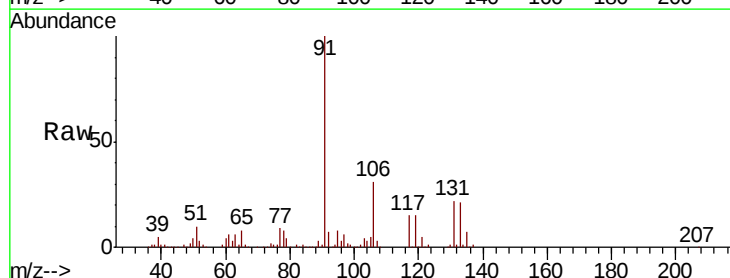
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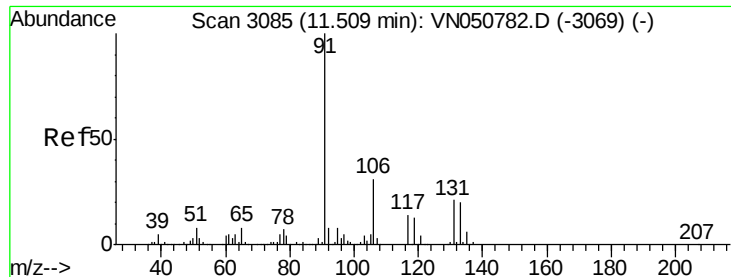
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.28 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050796.D
Acq: 21 Aug 2018 21:47

Tgt Ion:131 Resp: 154881
Ion Ratio Lower Upper
131 100
133 95.9 47.4 142.3
119 67.3 32.8 98.4





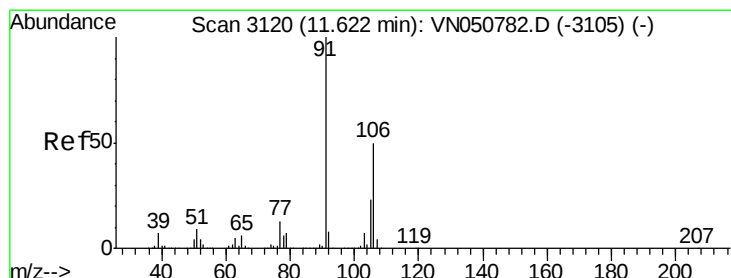
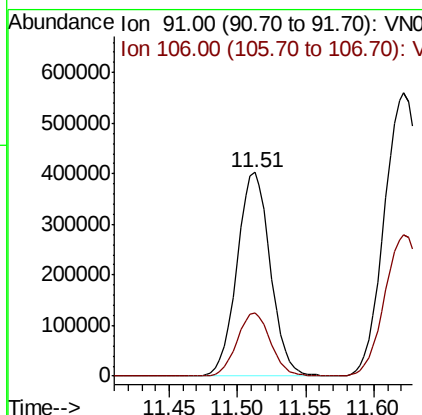
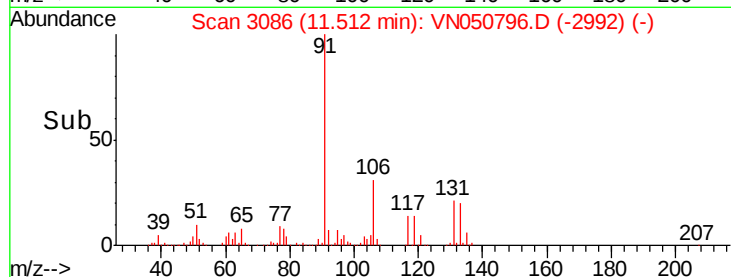
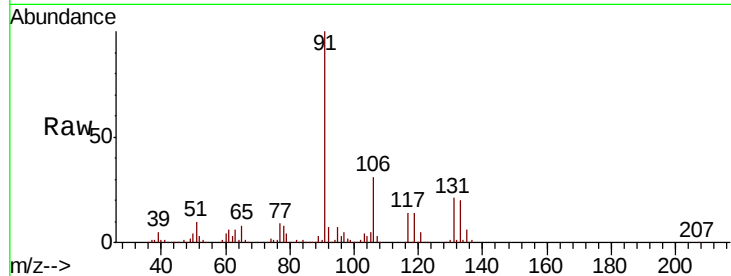
#67
Ethyl Benzene
Concen: 20.19 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050796.D
Acq: 21 Aug 2018 21:47

Instrument :
MSVOA_N
ClientSampled :
VN0821WBSD02

Tot Ion: 91 Resp: 685270
Ion Ratio Lower Upper
91 100
106 31.1 25.0 37.4

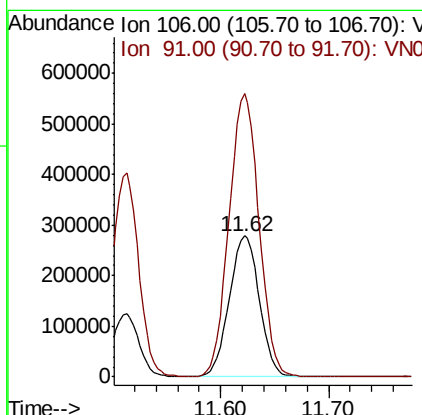
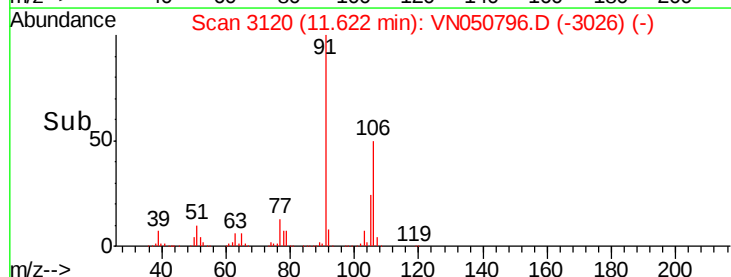
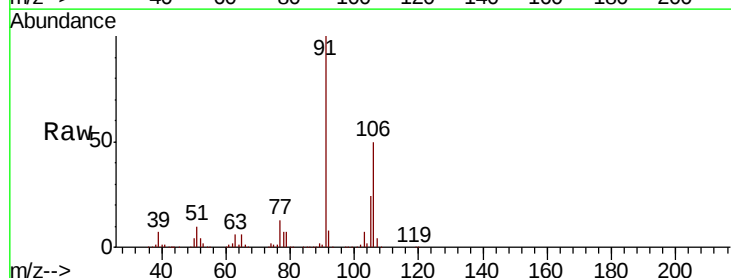
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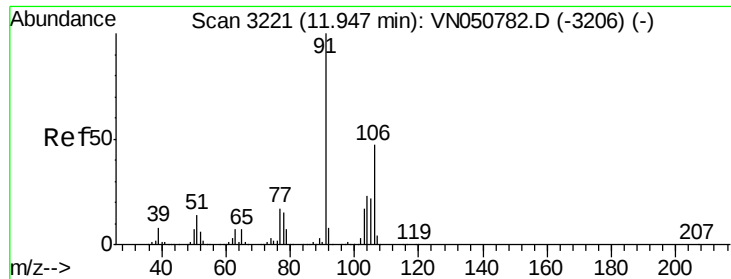
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#68
m/p-Xylenes
Concen: 42.01 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN050796.D
Acq: 21 Aug 2018 21:47

Tgt Ion: 106 Resp: 541127
Ion Ratio Lower Upper
106 100
91 200.4 161.0 241.6





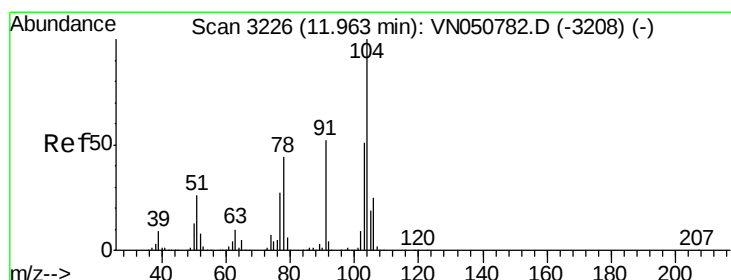
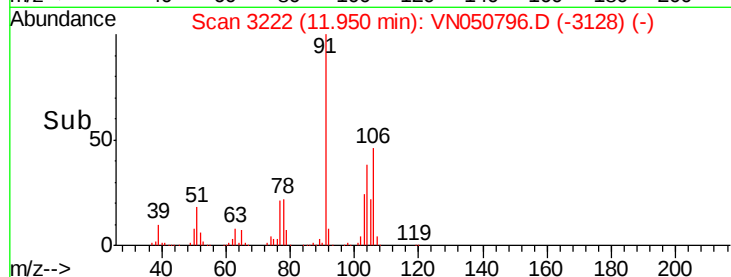
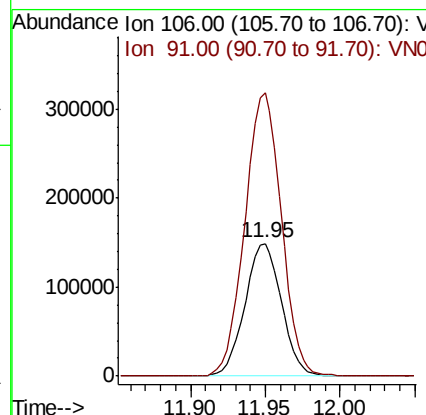
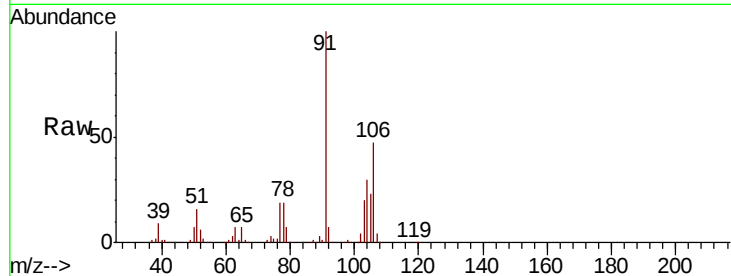
#69
o-Xylene
Concen: 20.45 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050796.D
Acq: 21 Aug 2018 21:47

Instrument :
MSVOA_N
ClientSampled :
VN0821WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		253191		
91	214.0	106.5	319.5		

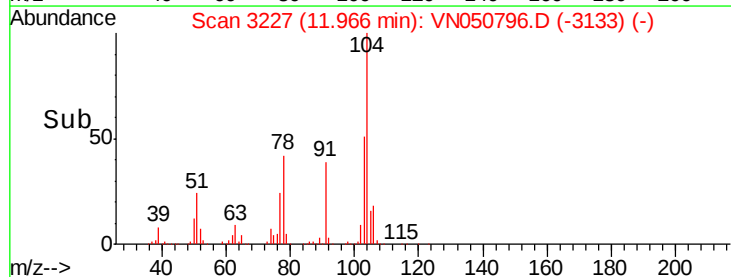
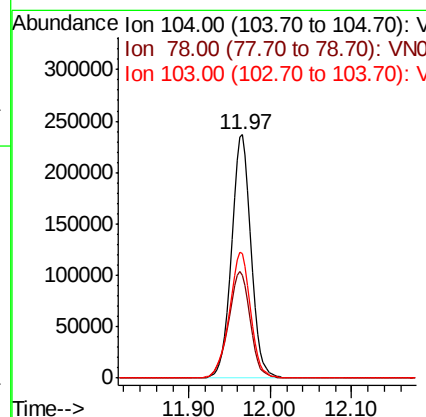
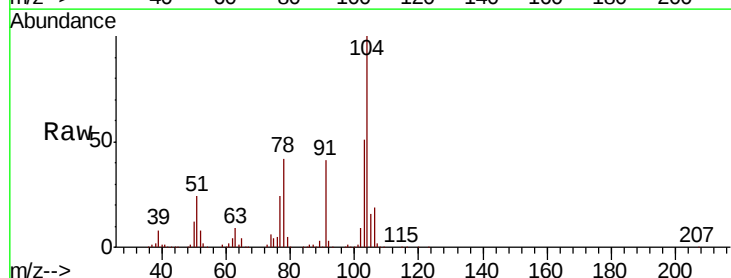
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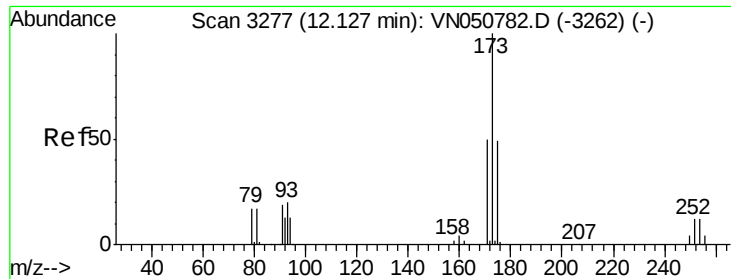
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#70
Styrene
Concen: 19.21 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050796.D
Acq: 21 Aug 2018 21:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		401731		
78	48.7	38.2	57.4		
103	56.2	44.4	66.6		





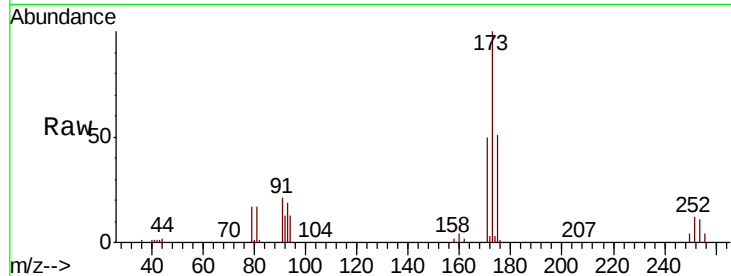
#71
Bromoform
Concen: 19.38 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050796.D
Acq: 21 Aug 2018 21:47

Instrument :
MSVOA_N
ClientSampleId :
VN0821WBSD02

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.8	24.4	73.4
254	0.0	0.1	0.1#

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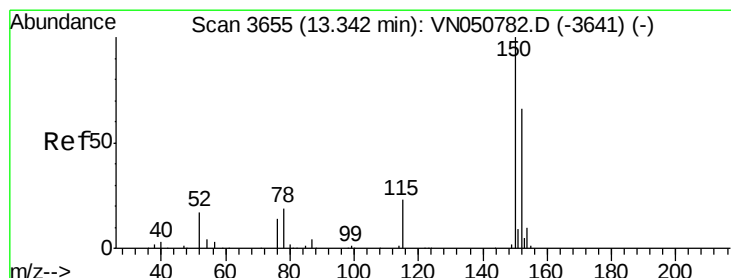
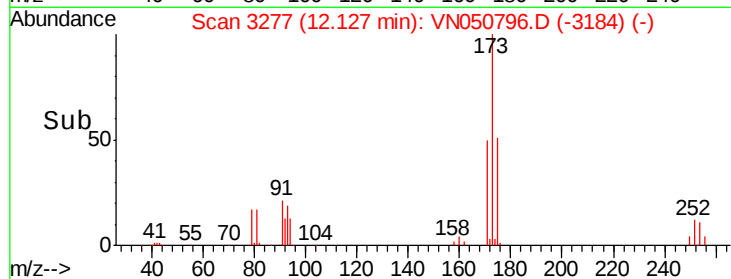
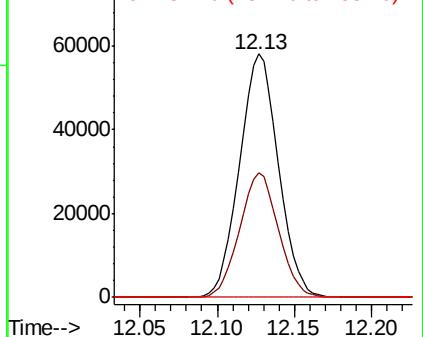


Abundance

Ion 172.70 (172.40 to 173.40): V

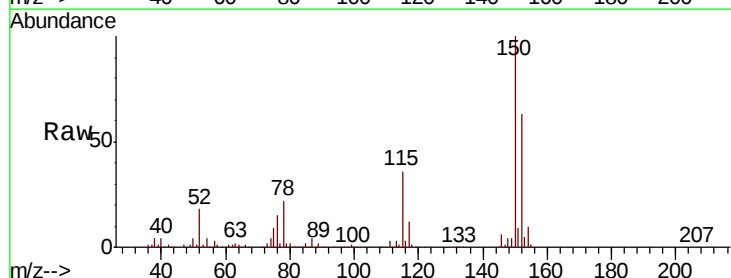
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3655
Delta R.T. -0.00 min
Lab File: VN050796.D
Acq: 21 Aug 2018 21:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.5	27.8	83.4
150	164.9	0.0	351.4

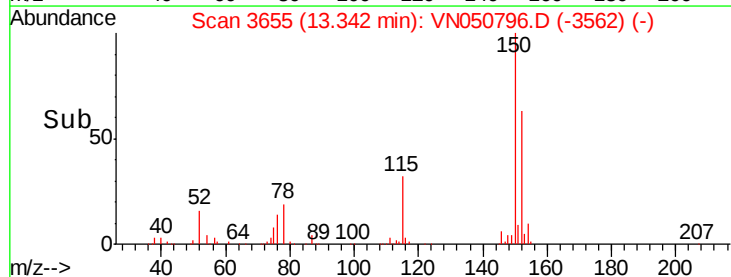
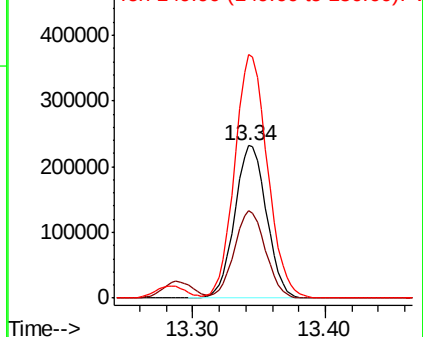


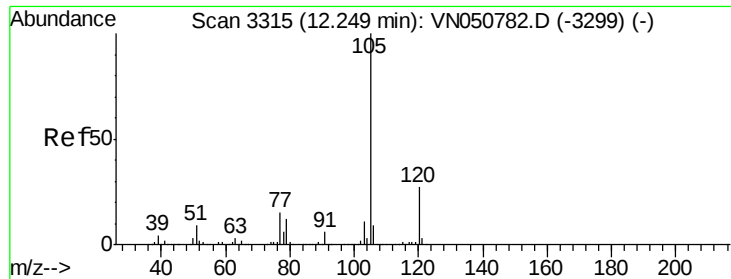
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.97 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050796.D

Acq: 21 Aug 2018 21:47

Instrument :

MSVOA_N

ClientSampleId :

VN0821WBSD02

Tot Ion:105 Resp: 670713

Ion Ratio Lower Upper

105 100

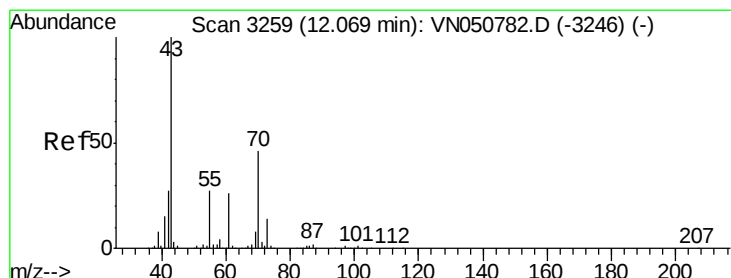
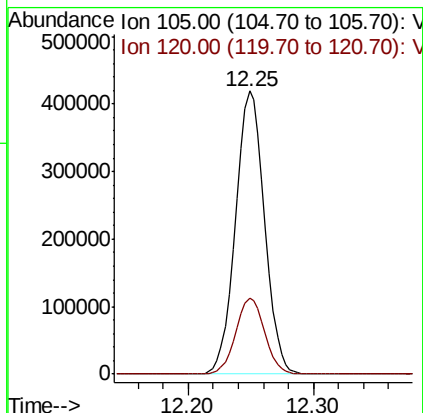
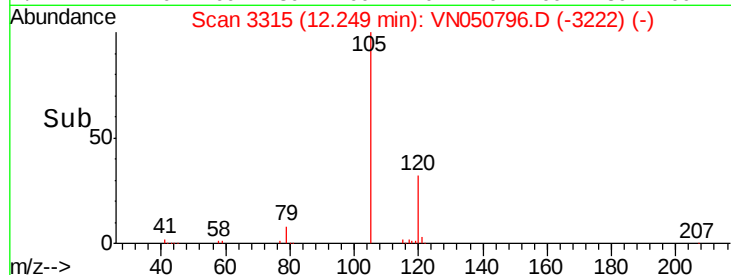
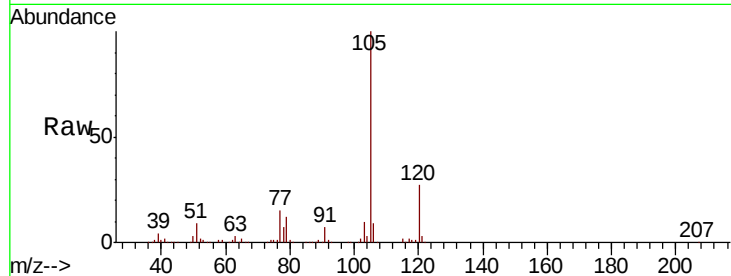
120 26.8 13.5 40.4

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#74

N-ethyl acetate

Concen: 19.80 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050796.D

Acq: 21 Aug 2018 21:47

Tgt Ion: 43 Resp: 159161

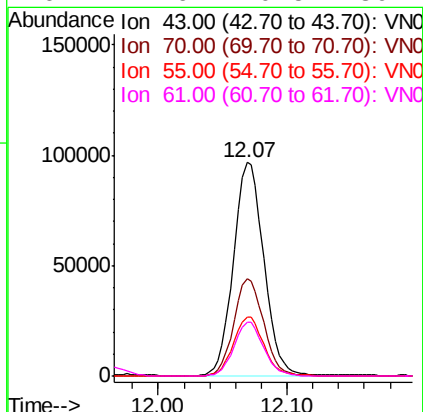
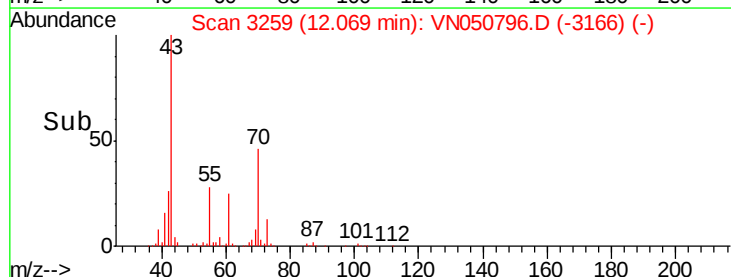
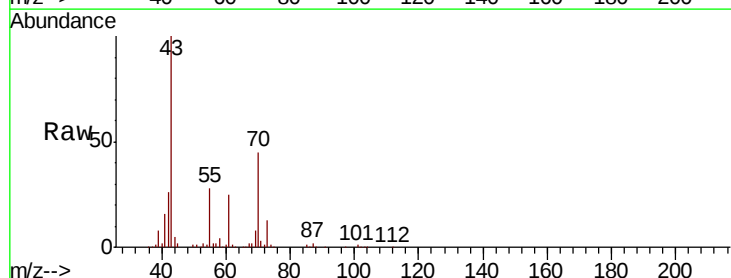
Ion Ratio Lower Upper

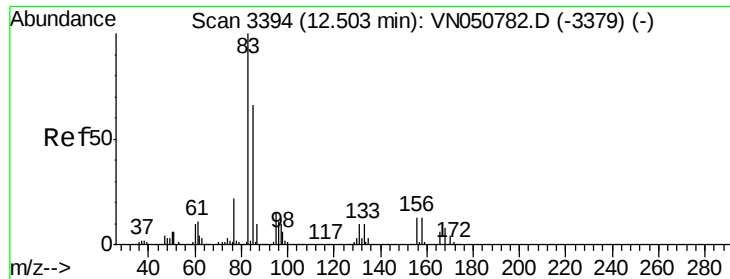
43 100

70 44.5 36.2 54.2

55 27.6 21.8 32.8

61 24.6 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 21.31 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050796.D

Acq: 21 Aug 2018 21:47

Instrument :

MSVOA_N

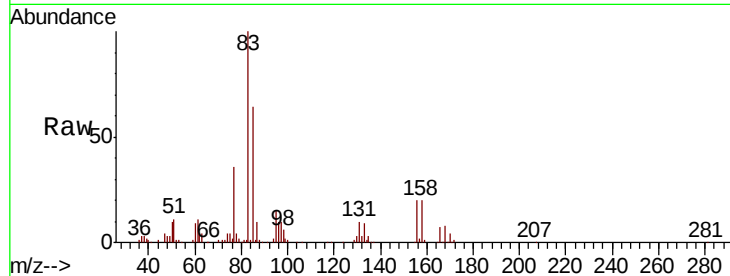
ClientSampleId :

VN0821WBSD02

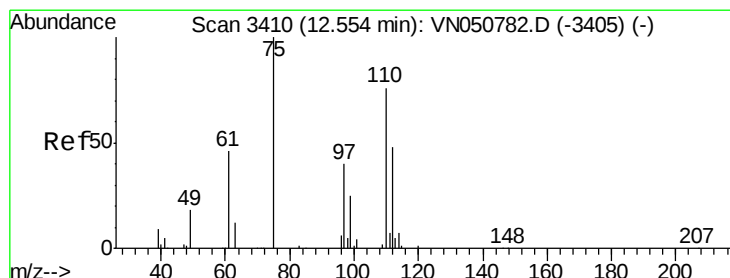
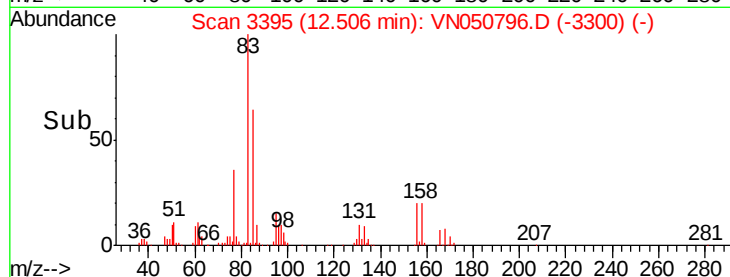
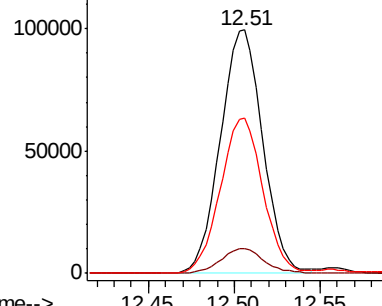
Tot Ion:	83	Resp:	169686
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.3	15.9
85	64.0	31.9	95.7

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN050782.D (-3379) (-)



#76

1,2,3-Trichloropropane

Concen: 20.93 ug/l m

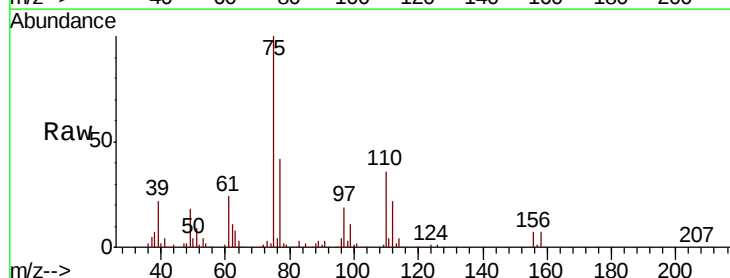
RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

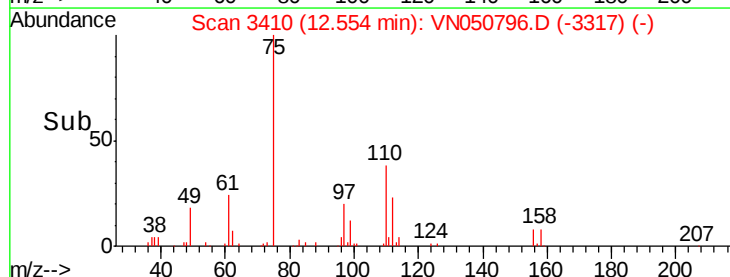
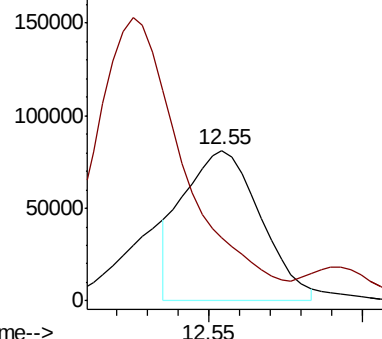
Lab File: VN050796.D

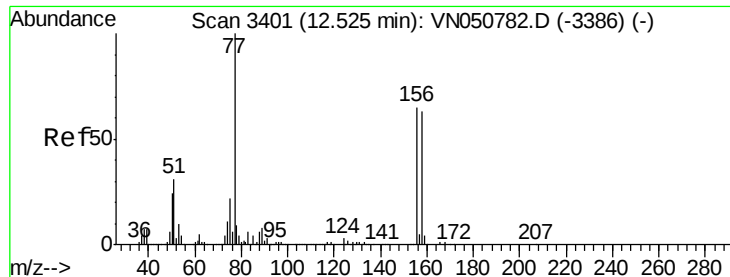
Acq: 21 Aug 2018 21:47

Tgt Ion:	75	Resp:	141627
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN050782.D (-3405) (-)





#77

Bromobenzene

Concen: 19.97 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050796.D

Acq: 21 Aug 2018 21:47

Instrument :

MSVOA_N

ClientSampleId :

VN0821WBSD02

Tot Ion:156 Resp: 173668

Ion Ratio Lower Upper

156 100

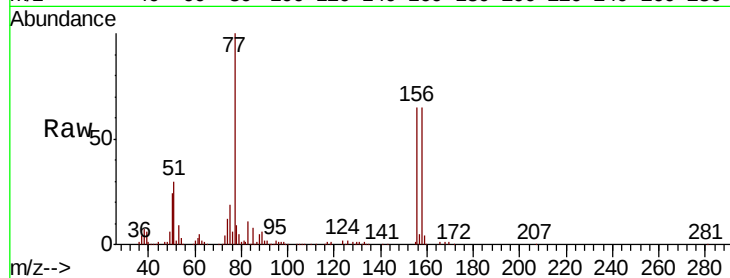
77 179.8 89.9 269.7

158 99.0 49.3 147.9

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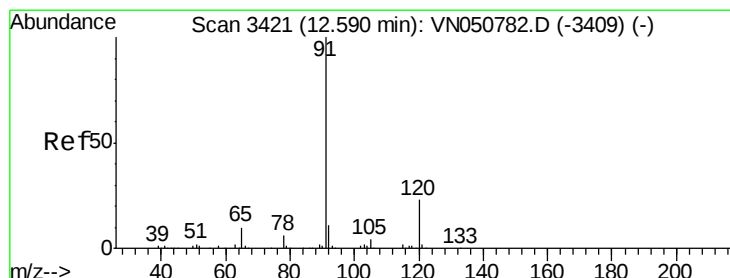
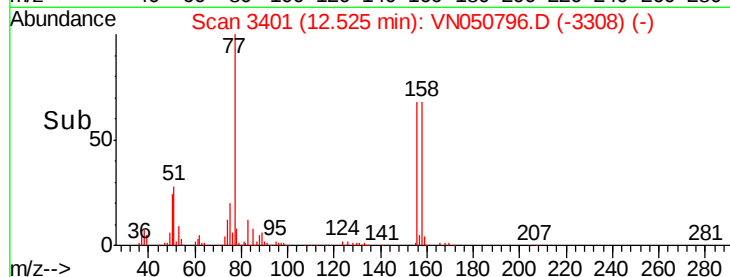
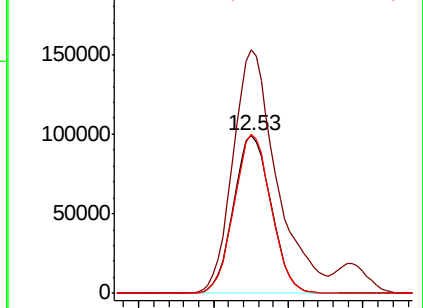
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.92 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050796.D

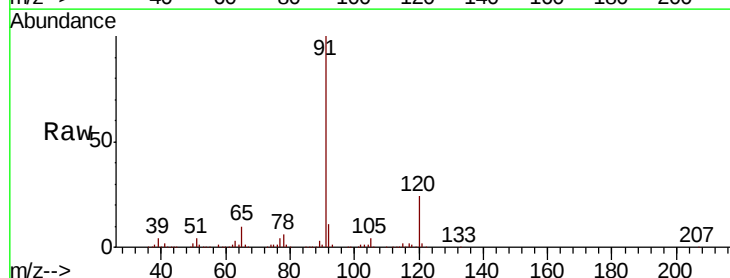
Acq: 21 Aug 2018 21:47

Tgt Ion: 91 Resp: 747617

Ion Ratio Lower Upper

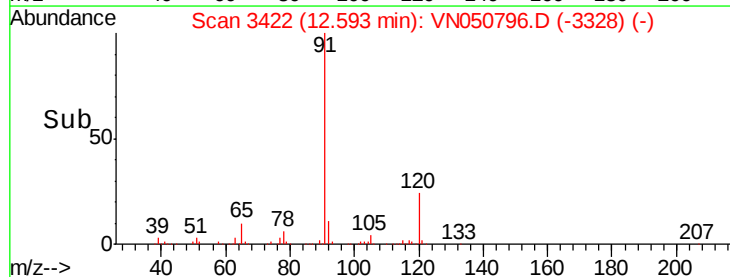
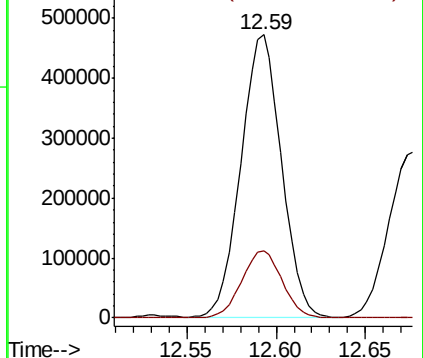
91 100

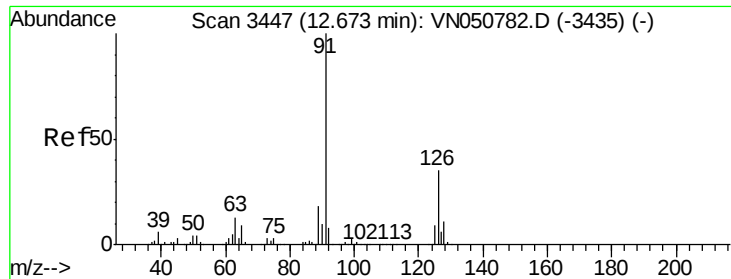
120 23.8 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.95 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050796.D

Acq: 21 Aug 2018 21:47

Instrument :

MSVOA_N

ClientSampled :

VN0821WBSD02

Tot Ion: 91 Resp: 466468

Ion Ratio Lower Upper

91 100

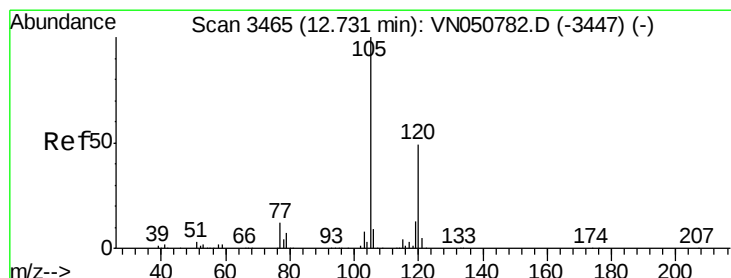
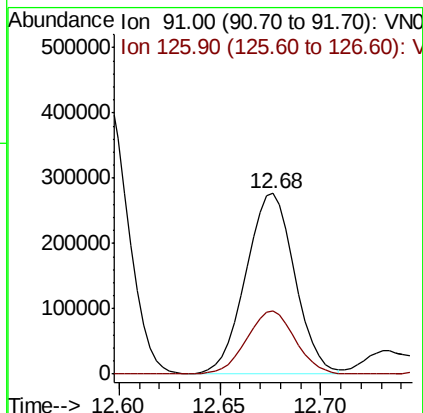
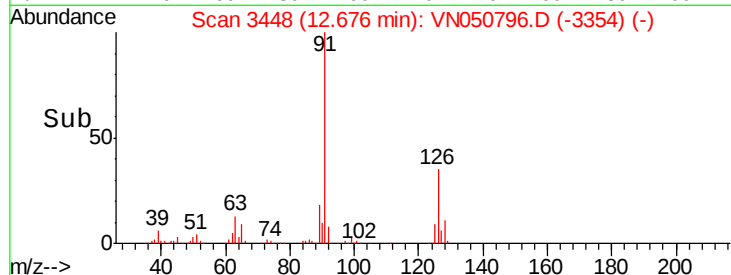
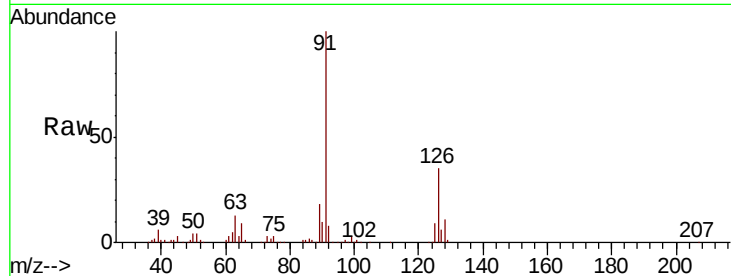
126 34.8 17.8 53.3

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#80

1,3,5-Trimethylbenzene

Concen: 21.45 ug/l

RT: 12.73 min Scan# 3465

Delta R.T. -0.00 min

Lab File: VN050796.D

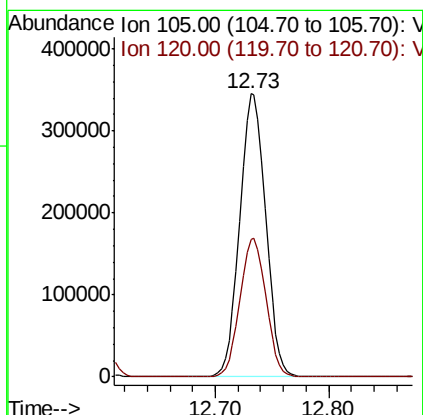
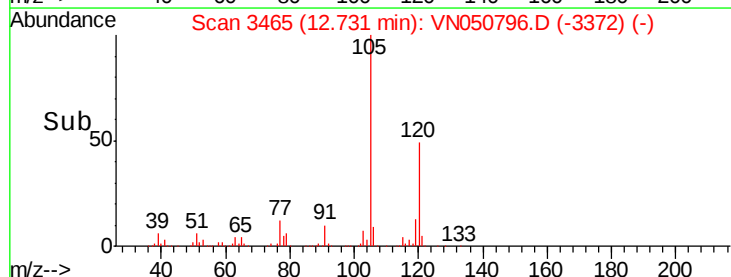
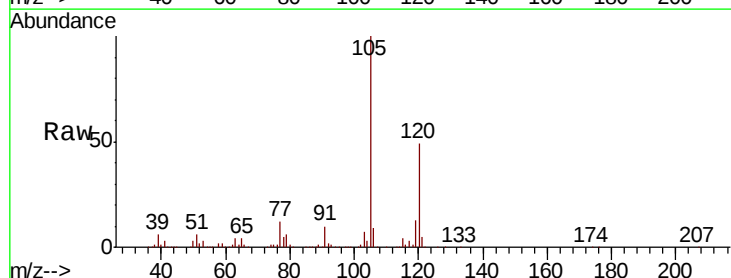
Acq: 21 Aug 2018 21:47

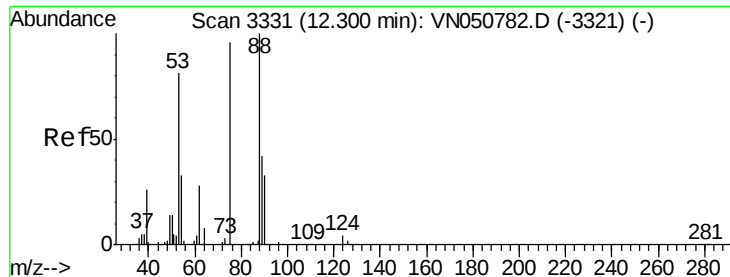
Tgt Ion: 105 Resp: 553677

Ion Ratio Lower Upper

105 100

120 49.1 24.6 74.0





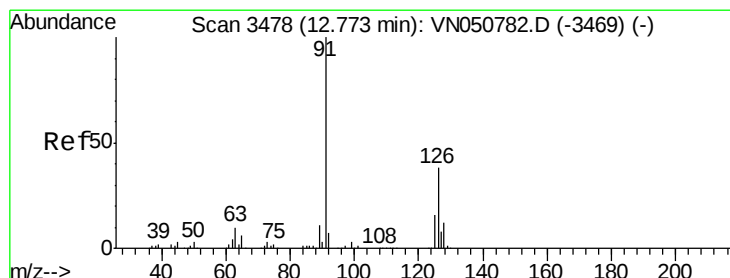
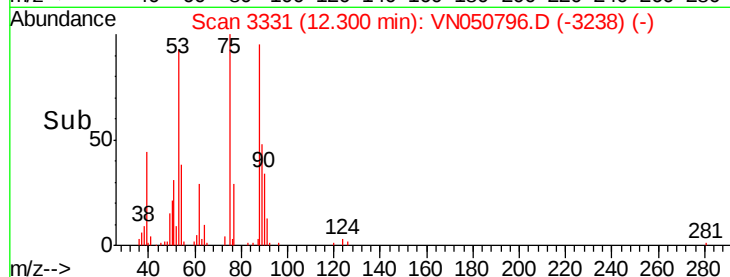
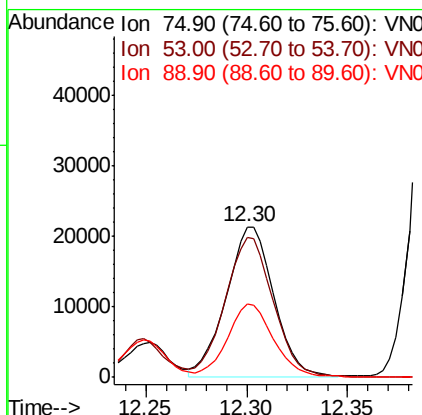
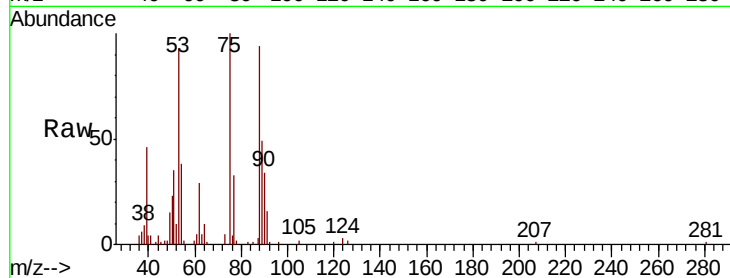
#81
trans-1,4-Dichloro-2-butene
Concen: 17.69 ug/l
RT: 12.30 min Scan# 3331
Delta R.T. 0.00 min
Lab File: VN050796.D
Acq: 21 Aug 2018 21:47

Instrument :
MSVOA_N
ClientSampleId :
VN0821WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.0	68.9	103.3
89	46.8	36.1	54.1

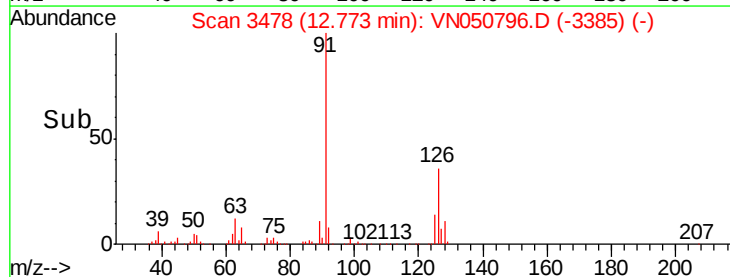
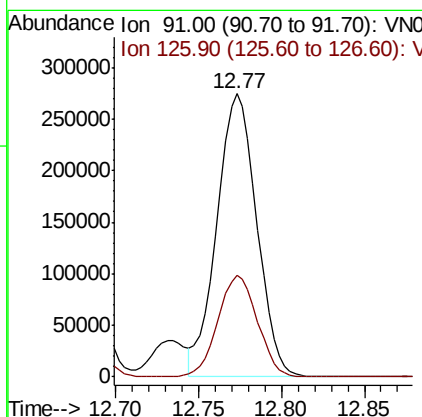
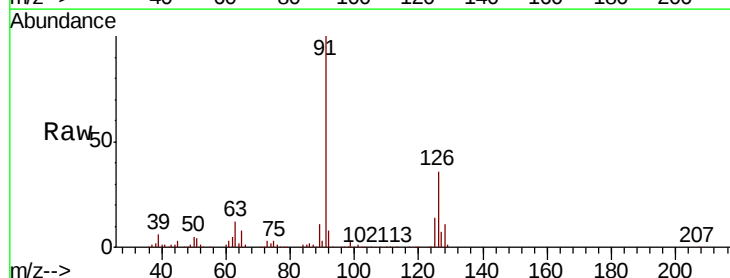
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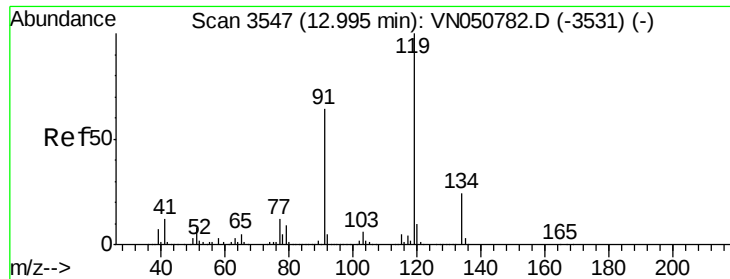
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#82
4-Chlorotoluene
Concen: 20.77 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. -0.00 min
Lab File: VN050796.D
Acq: 21 Aug 2018 21:47

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.7	17.5	52.5





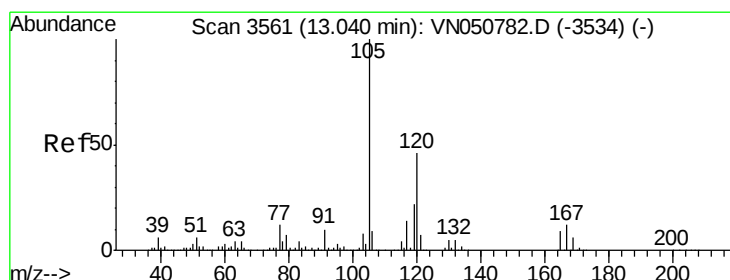
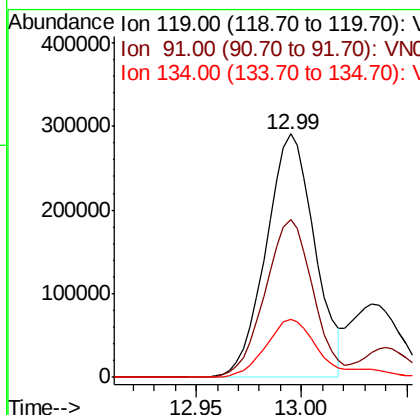
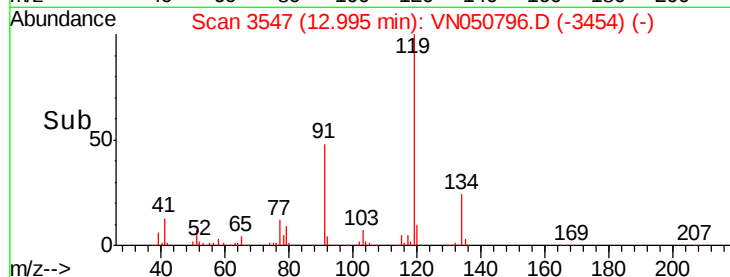
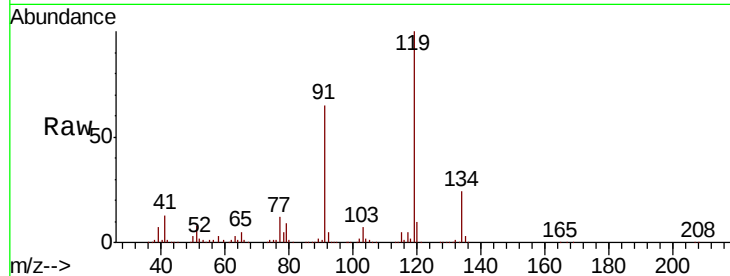
#83
tert-Butylbenzene
Concen: 20.82 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. -0.00 min
Lab File: VN050796.D
Acq: 21 Aug 2018 21:47

Instrument :
MSVOA_N
ClientSampleId :
VN0821WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	465531		
91	64.0	31.6	94.7	
134	24.7	13.4	40.1	

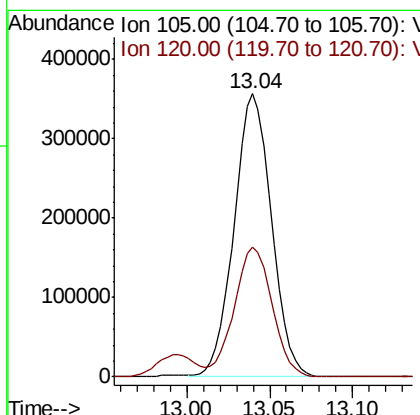
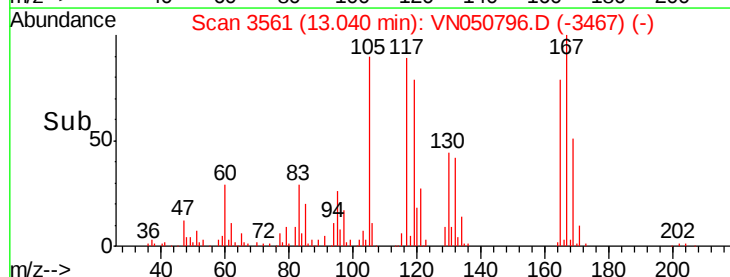
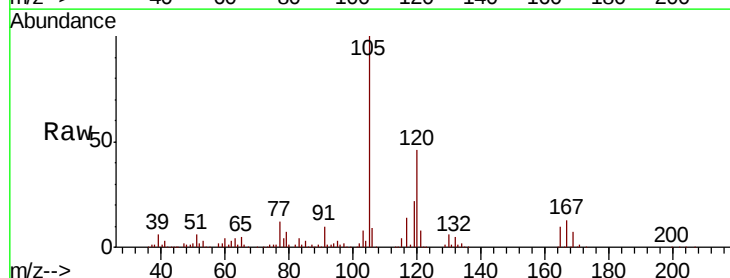
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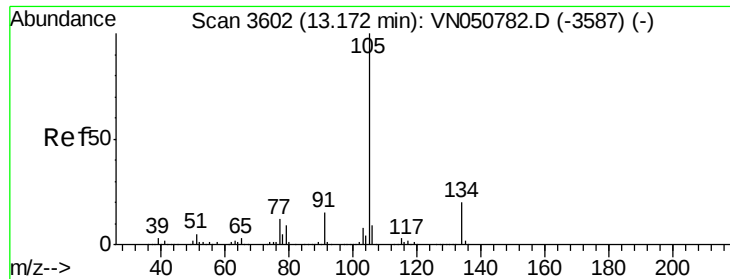
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#84
1,2,4-Trimethylbenzene
Concen: 21.50 ug/l
RT: 13.04 min Scan# 3561
Delta R.T. 0.00 min
Lab File: VN050796.D
Acq: 21 Aug 2018 21:47

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	558360		
120	46.7	22.9	68.8	





#85

sec-Butylbenzene

Concen: 21.21 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN050796.D

Acq: 21 Aug 2018 21:47

Instrument :

MSVOA_N

ClientSampleId :

VN0821WBSD02

Tot Ion:105 Resp: 621215

Ion Ratio Lower Upper

105 100

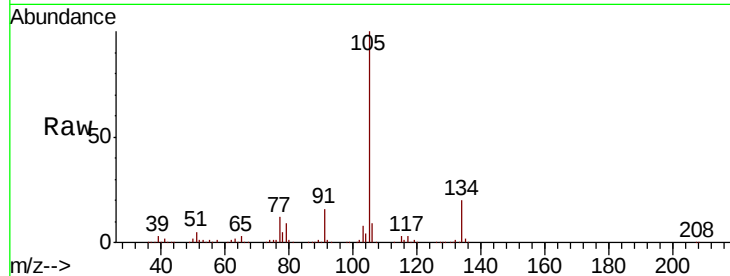
134 20.2 10.3 30.8

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

400000

300000

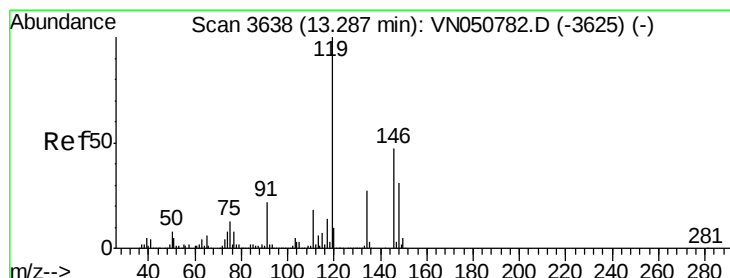
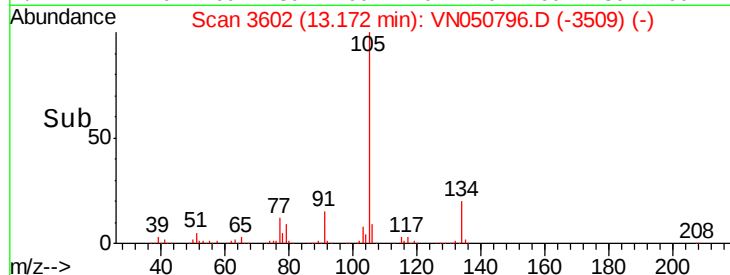
200000

100000

0

Time-->

13.10 13.15 13.20 13.25



#86

p-Isopropyltoluene

Concen: 21.12 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050796.D

Acq: 21 Aug 2018 21:47

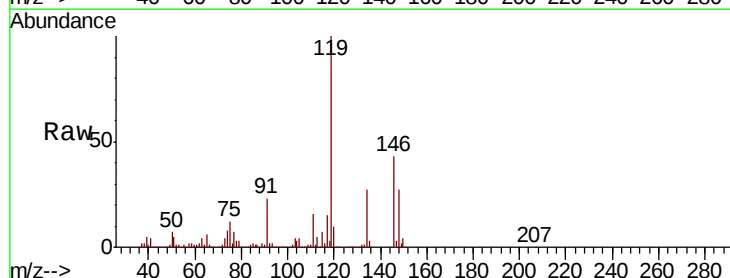
Tgt Ion:119 Resp: 527086

Ion Ratio Lower Upper

119 100

134 26.8 13.7 41.0

91 22.8 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

400000

300000

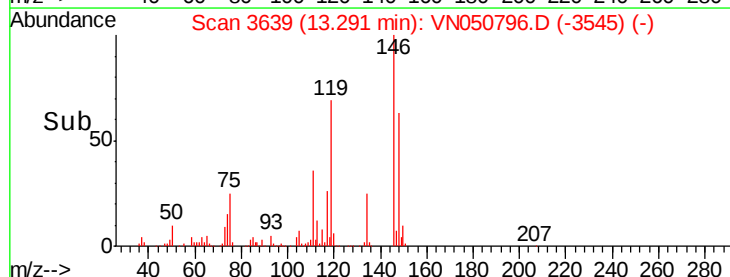
200000

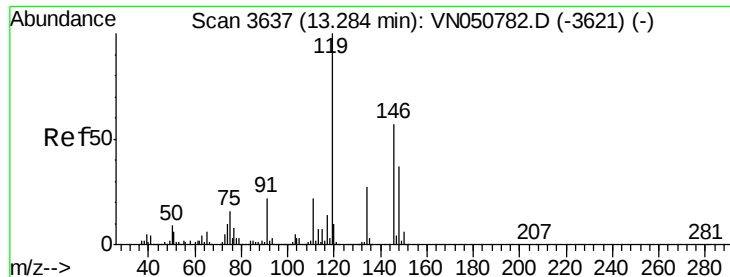
100000

0

Time-->

13.20 13.25 13.30 13.35





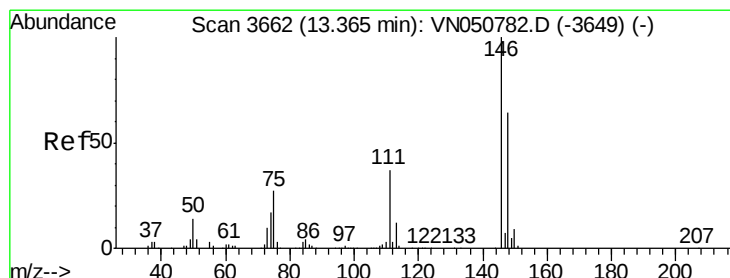
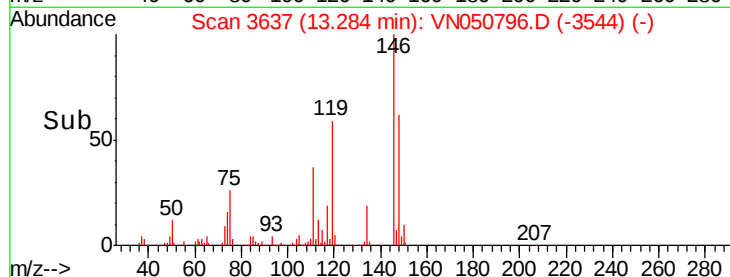
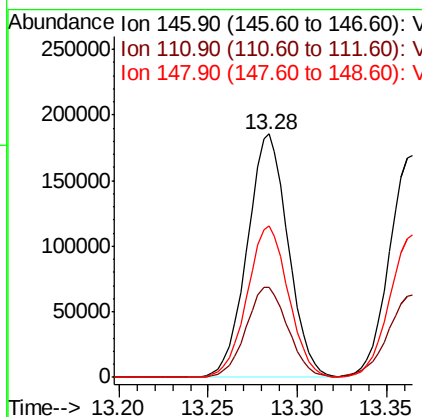
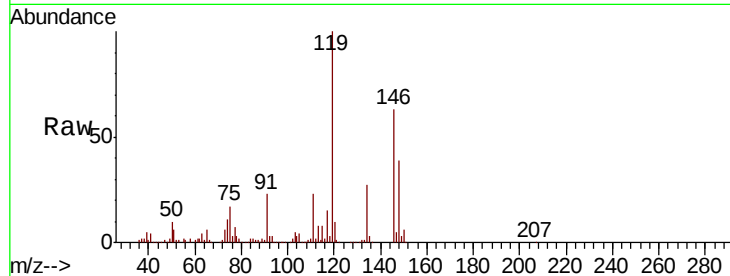
#87
 1,3-Dichlorobenzene
 Concen: 20.18 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050796.D
 Acq: 21 Aug 2018 21:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0821WBSD02

Tot Ion:	146	Resp:	297772
Ion Ratio	Lower	Upper	
146	100		
111	37.9	19.1	57.3
148	62.9	32.2	96.6

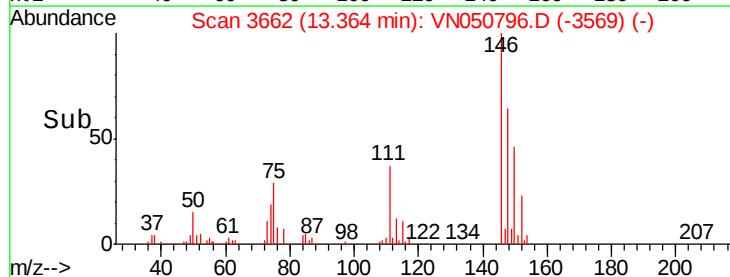
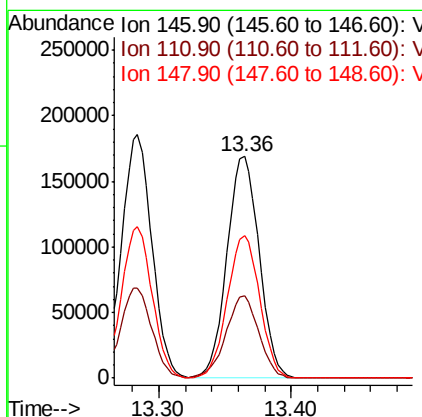
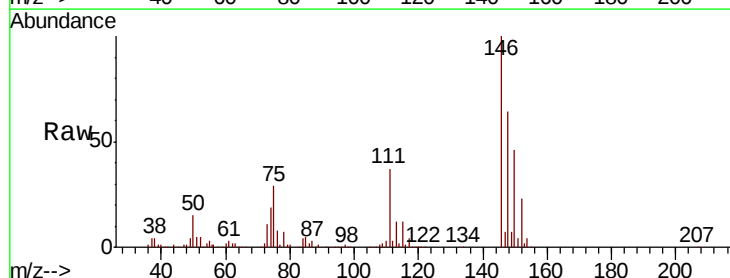
Manual Integrations
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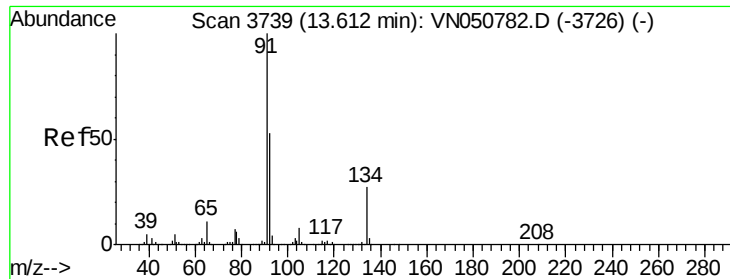
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#88
 1,4-Dichlorobenzene
 Concen: 19.67 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN050796.D
 Acq: 21 Aug 2018 21:47

Tgt Ion:	146	Resp:	285575
Ion Ratio	Lower	Upper	
146	100		
111	38.0	18.8	56.3
148	64.5	32.2	96.6





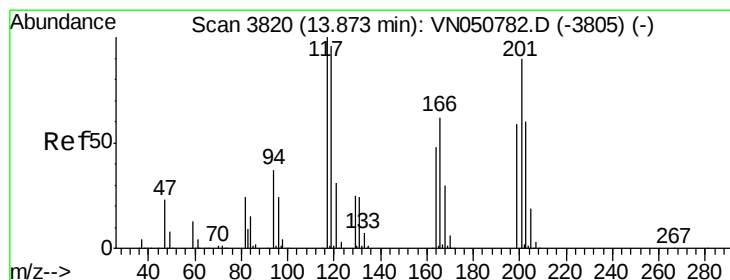
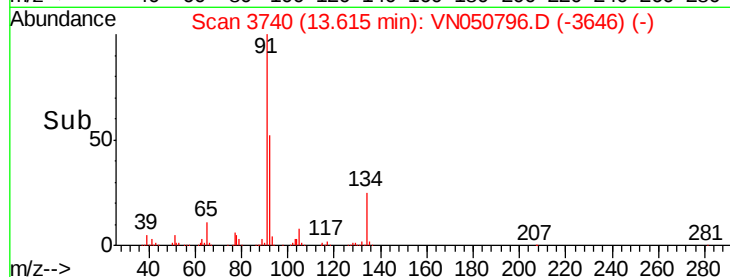
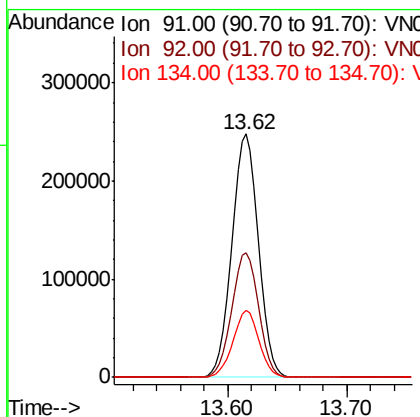
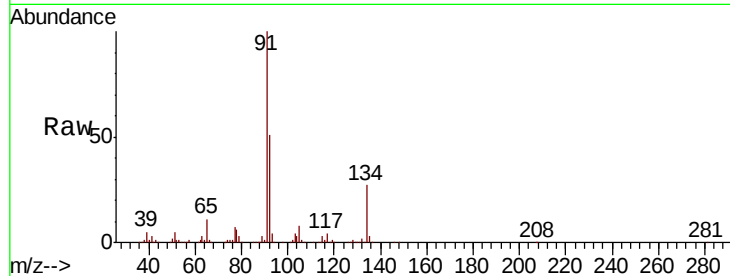
#89
n-Butylbenzene
Concen: 19.16 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050796.D
Acq: 21 Aug 2018 21:47

Instrument :
MSVOA_N
ClientSampleId :
VN0821WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.1	78.2
134	26.8	13.2	39.6

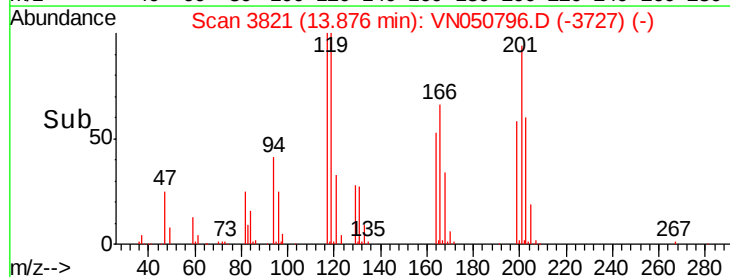
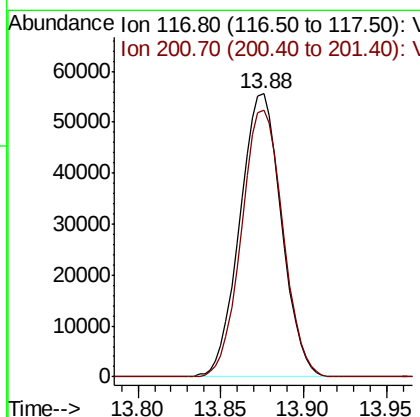
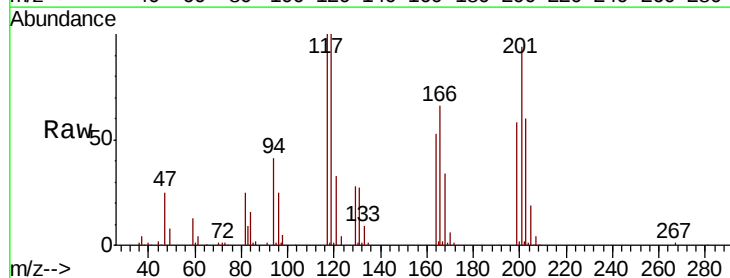
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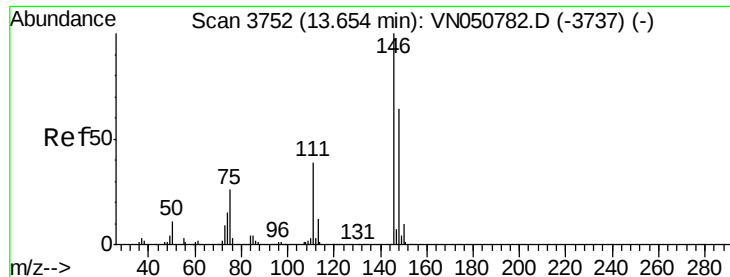
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#90
Hexachloroethane
Concen: 20.50 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050796.D
Acq: 21 Aug 2018 21:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.8	46.0	137.8





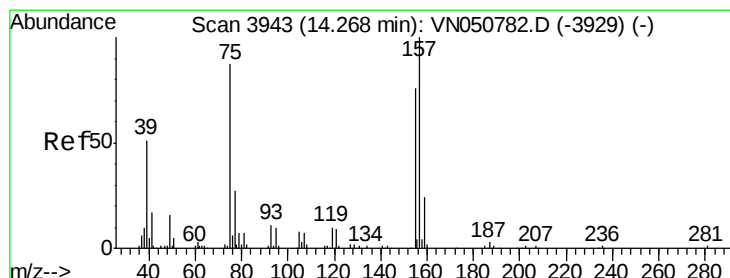
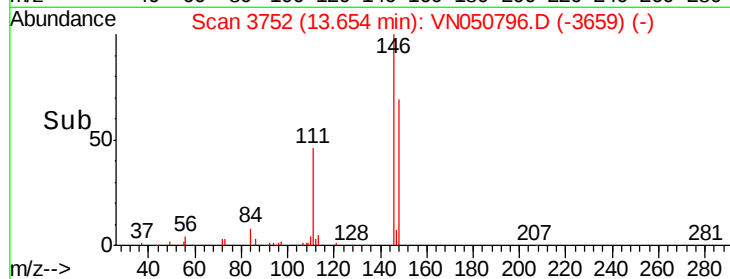
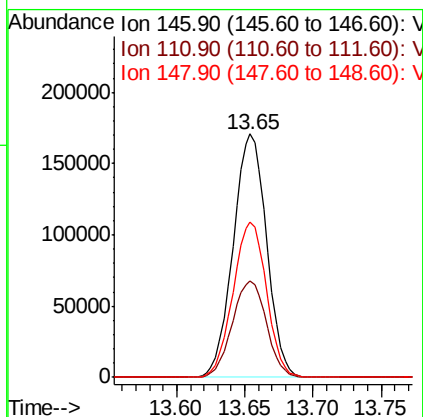
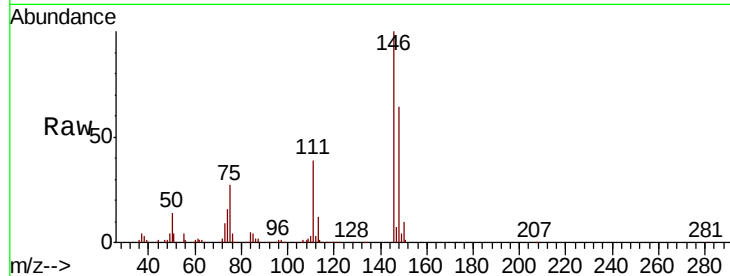
#91
 1,2-Dichlorobenzene
 Concen: 20.41 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050796.D
 Acq: 21 Aug 2018 21:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0821WBSD02

Tot Ion:	146	Resp:	290544
Ion Ratio	Lower	Upper	
146	100		
111	40.4	19.8	59.3
148	63.7	32.3	96.8

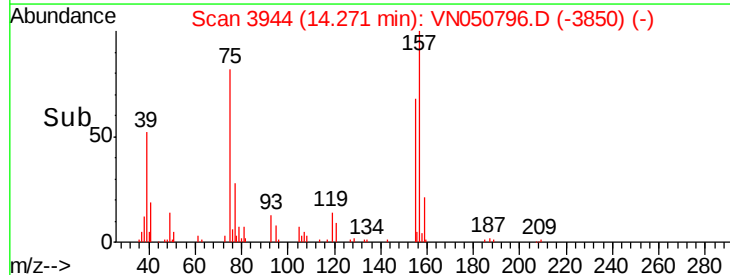
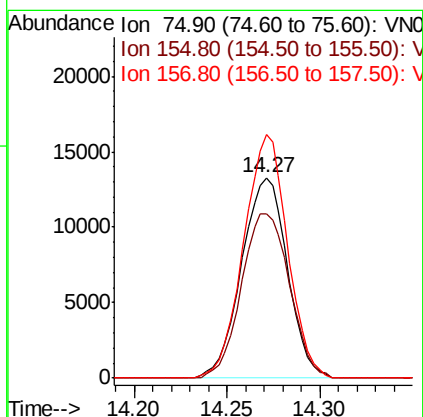
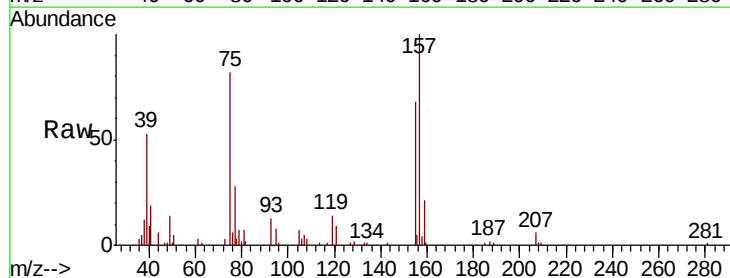
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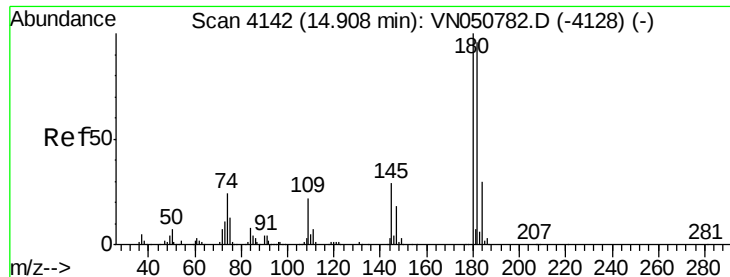
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.93 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050796.D
 Acq: 21 Aug 2018 21:47

Tgt Ion:	75	Resp:	22893
Ion Ratio	Lower	Upper	
75	100		
155	85.9	46.4	139.1
157	115.8	60.7	182.0





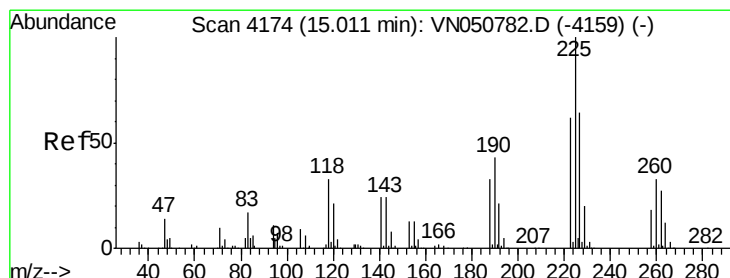
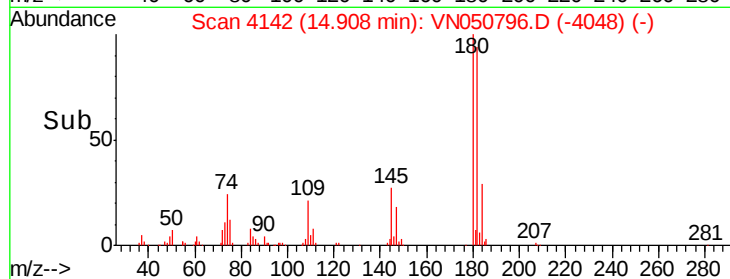
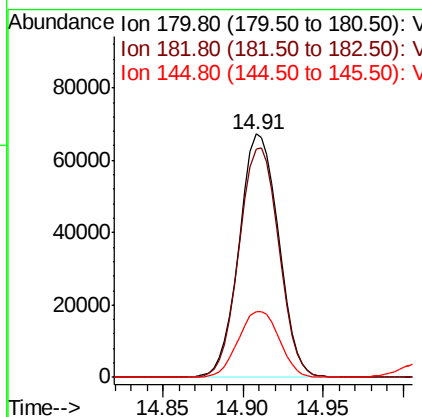
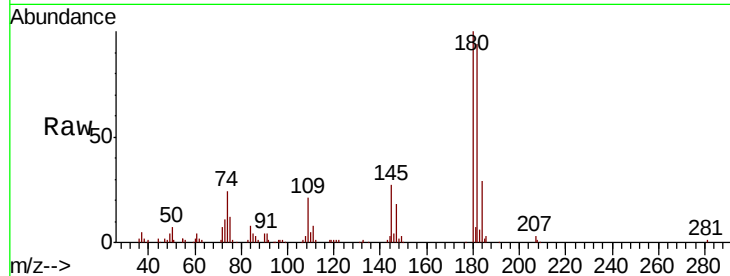
#93
 1,2,4-Trichlorobenzene
 Concen: 18.08 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. 0.00 min
 Lab File: VN050796.D
 Acq: 21 Aug 2018 21:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0821WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.4	48.2	144.6	
145	28.3	14.1	42.2	

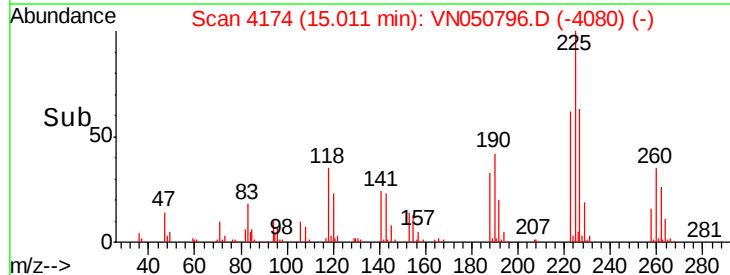
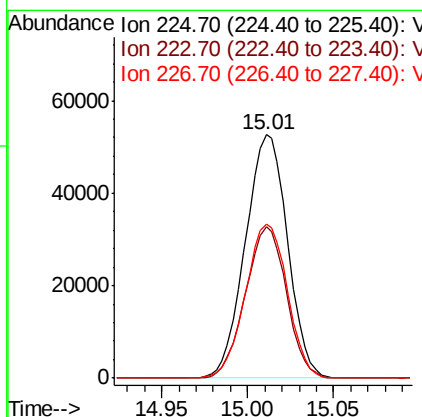
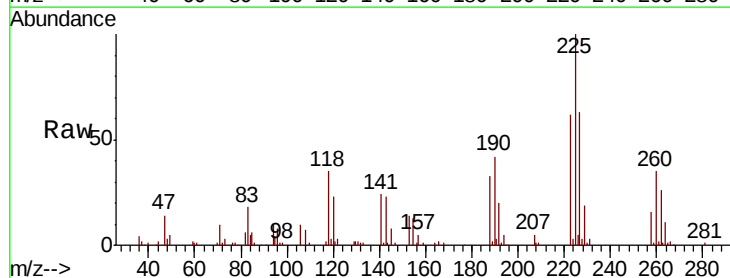
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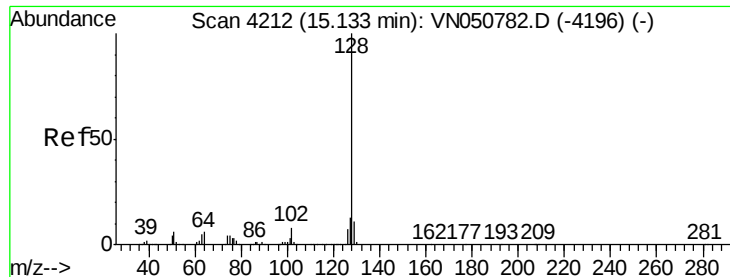
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#94
 Hexachlorobutadiene
 Concen: 20.51 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050796.D
 Acq: 21 Aug 2018 21:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	60.6	31.3	93.8	
227	62.9	32.0	96.2	





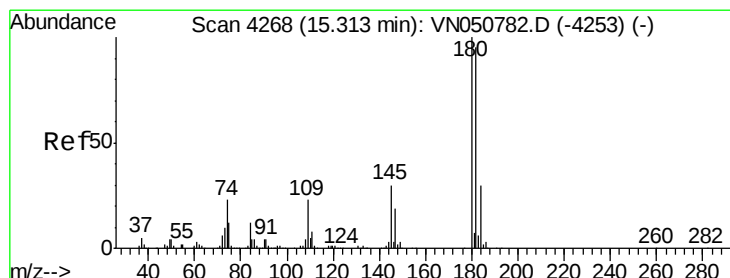
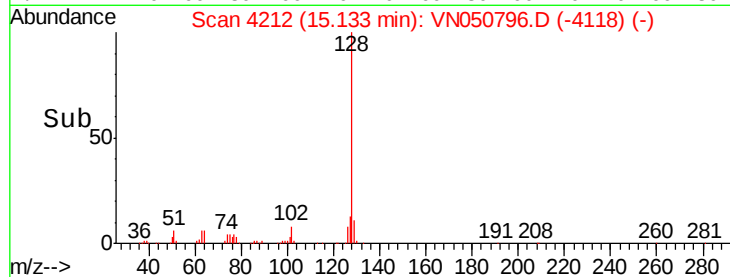
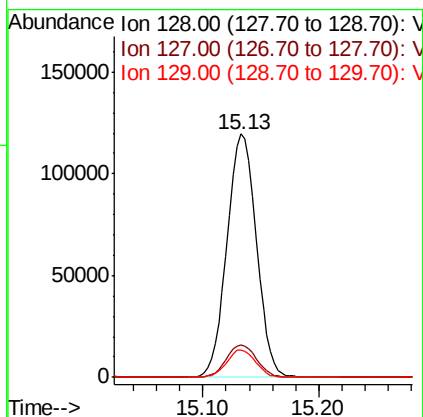
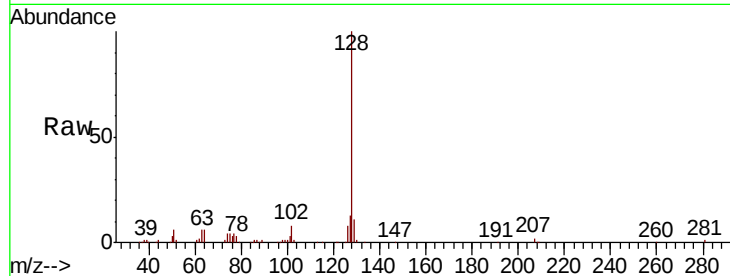
#95
Naphthalene
Concen: 17.51 ug/l
RT: 15.13 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN050796.D
Acq: 21 Aug 2018 21:47

Instrument :
MSVOA_N
ClientSampleId :
VN0821WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
128	100			
127	13.7	10.5	15.7	
129	11.0	8.7	13.1	

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#96
1,2,3-Trichlorobenzene
Concen: 18.66 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. 0.00 min
Lab File: VN050796.D
Acq: 21 Aug 2018 21:47

Tgt Ion	Ratio	Resp	Lower	Upper
180	100			
182	97.7	48.0	144.2	
145	30.1	15.2	45.6	

