

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082818\
 Data File : VN050922.D
 Acq On : 28 Aug 2018 19:03
 Operator : MD\SY
 Sample : VN0828WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0828WBSD02

Manual Integrations
 APPROVED

MMDadoda
 8/29/2018 11:10:41 AM

Quant Time: Aug 29 05:02:34 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	583983	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	862424	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	770013	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	362449	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	371320	52.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.64%	
35) Dibromofluoromethane	7.59	113	345705	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	
50) Toluene-d8	10.09	98	1301025	50.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.44%	
62) 4-Bromofluorobenzene	12.40	95	414487	48.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	155938	19.95	ug/l	99
3) Chloromethane	2.06	50	178140	18.48	ug/l	99
4) Vinyl Chloride	2.18	62	179173	19.62	ug/l	99
5) Bromomethane	2.56	94	98942	18.39	ug/l	99
6) Chloroethane	2.70	64	102697	19.47	ug/l	98
7) Trichlorofluoromethane	3.01	101	233304	19.95	ug/l	98
8) Diethyl Ether	3.41	74	82512	20.75	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	142415	19.50	ug/l	99
10) Methyl Iodide	3.95	142	115510	22.07	ug/l	100
11) Tert butyl alcohol	4.80	59	56089	125.29	ug/l	98
12) 1,1-Dichloroethene	3.73	96	131865	20.10	ug/l	99
13) Acrolein	3.61	56	21436	94.04	ug/l	99
14) Allyl chloride	4.33	41	200967	19.66	ug/l	99
15) Acrylonitrile	5.00	53	260691	114.58	ug/l	99
16) Acetone	3.82	43	178884	103.31	ug/l	100
17) Carbon Disulfide	4.05	76	389062	17.69	ug/l	99
18) Methyl Acetate	4.33	43	162660	24.50	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	367920	22.30	ug/l	100
20) Methylene Chloride	4.55	84	153525	19.38	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	138952	19.59	ug/l	97
22) Diisopropyl ether	5.96	45	440697	21.64	ug/l	99
23) Vinyl Acetate	5.90	43	1381492	105.32	ug/l	100
24) 1,1-Dichloroethane	5.85	63	263388	20.14	ug/l	99
25) 2-Butanone	6.84	43	283200	99.96	ug/l	99
26) 2,2-Dichloropropane	6.83	77	184143	17.53	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	155353	20.31	ug/l	98
28) Bromochloromethane	7.20	49	108099	19.45	ug/l	97
29) Tetrahydrofuran	7.22	42	192962	118.79	ug/l	98
30) Chloroform	7.37	83	265848	20.53	ug/l	99
31) Cyclohexane	7.66	56	223820	19.12	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	224002	20.14	ug/l	99
36) 1,1-Dichloropropene	7.80	75	197752	19.43	ug/l	99
37) Ethyl Acetate	6.94	43	126473	21.63	ug/l	99
38) Carbon Tetrachloride	7.78	117	199653	19.41	ug/l	98

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Manual Integrations
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MMDadoda
 8/29/2018 11:10:41 AM

Quant Time: Aug 29 05:02:34 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	200961	18.25	ug/l	99
40) Benzene	8.04	78	606816	19.77	ug/l	99
41) Methacrylonitrile	7.17	41	59476	18.80	ug/l	90
42) 1,2-Dichloroethane	8.13	62	184406	20.10	ug/l	99
43) Isopropyl Acetate	8.17	43	227738	22.66	ug/l	99
44) Trichloroethene	8.84	130	158218	19.55	ug/l	100
45) 1,2-Dichloropropane	9.12	63	162018	20.09	ug/l	100
46) Dibromomethane	9.21	93	96281	20.32	ug/l	99
47) Bromodichloromethane	9.41	83	199189	20.07	ug/l	97
48) Methyl methacrylate	9.20	41	111963	21.86	ug/l	99
49) 1,4-Dioxane	9.20	88	32745	468.91	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	660569	110.13	ug/l	99
52) Toluene	10.16	92	370378	20.37	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	191041	19.34	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	221642	19.59	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	140176	20.77	ug/l	98
56) Ethyl methacrylate	10.43	69	163262	20.08	ug/l	100
57) 1,3-Dichloropropane	10.71	76	230645	20.71	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	338725	96.34	ug/l	99
59) 2-Hexanone	10.75	43	417102	104.45	ug/l	99
60) Dibromochloromethane	10.90	129	151282	20.02	ug/l	97
61) 1,2-Dibromoethane	11.01	107	135359	20.75	ug/l	99
64) Tetrachloroethene	10.63	164	145106	19.84	ug/l	98
65) Chlorobenzene	11.44	112	392928	19.52	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	150720	20.47	ug/l	99
67) Ethyl Benzene	11.51	91	658163	20.11	ug/l	100
68) m/p-Xylenes	11.62	106	509422	41.02	ug/l	99
69) o-Xylene	11.95	106	246665	20.66	ug/l	99
70) Styrene	11.97	104	384700	19.09	ug/l	99
71) Bromoform	12.13	173	107797	21.29	ug/l #	100
73) Isopropylbenzene	12.25	105	651390	21.70	ug/l	99
74) N-amyl acetate	12.07	43	167506	22.21	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	180284	24.36	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	152651m	24.05	ug/l	
77) Bromobenzene	12.53	156	168826	20.70	ug/l	99
78) n-propylbenzene	12.59	91	717094	21.39	ug/l	100
79) 2-Chlorotoluene	12.67	91	440979	21.12	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	532281	21.98	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	38617	20.56	ug/l	95
82) 4-Chlorotoluene	12.77	91	433047	21.00	ug/l	100
83) tert-Butylbenzene	12.99	119	461995	22.03	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	528655	21.70	ug/l	100
85) sec-Butylbenzene	13.17	105	597183	21.73	ug/l	100
86) p-Isopropyltoluene	13.29	119	508413	21.71	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	276667	19.99	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	268638	19.72	ug/l	99
89) n-Butylbenzene	13.62	91	367360	19.62	ug/l	100
90) Hexachloroethane	13.88	117	96438	21.71	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	274075	20.52	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	24093	22.35	ug/l	98

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ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VN0828WBSD02

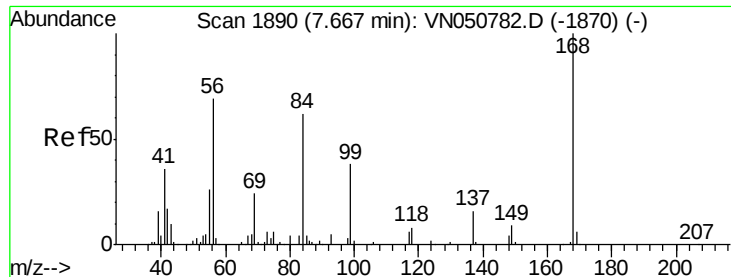
Manual Integrations
APPROVED

MMDadoda
8/29/2018 11:10:41 AM

Quant Time: Aug 29 05:02:34 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)
93) 1,2,4-Trichlorobenzene	14.91	180	106976	18.22	ug/l	99
94) Hexachlorobutadiene	15.01	225	84028	20.57	ug/l	99
95) Naphthalene	15.14	128	212941	18.52	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	112337	19.41	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050922.D

Acq: 28 Aug 2018 19:03

Instrument :

MSVOA_N

ClientSampleId :

VN0828WBSD02

Tot Ion:168 Resp: 583983

Ion Ratio Lower Upper

168 100

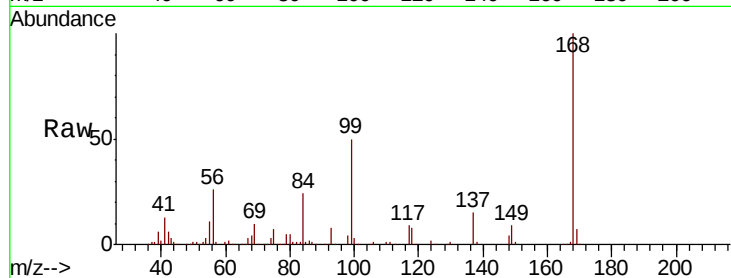
99 49.3 39.6 59.4

Manual Integrations

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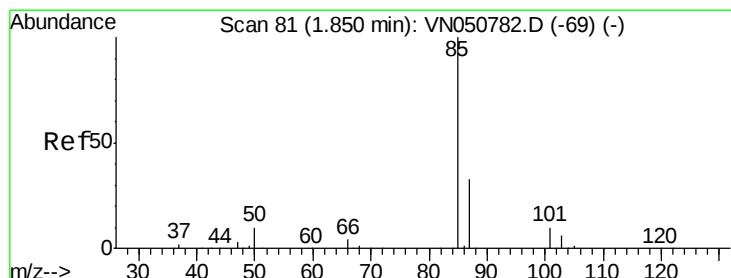
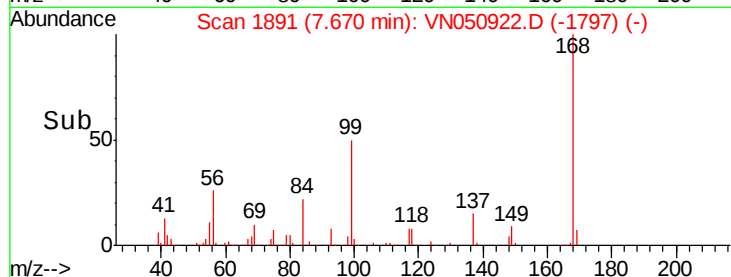
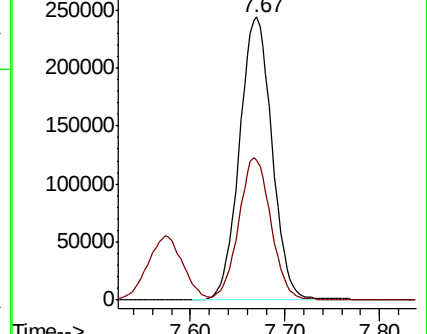
MMDadoda

8/29/2018 11:10:41 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 19.95 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050922.D

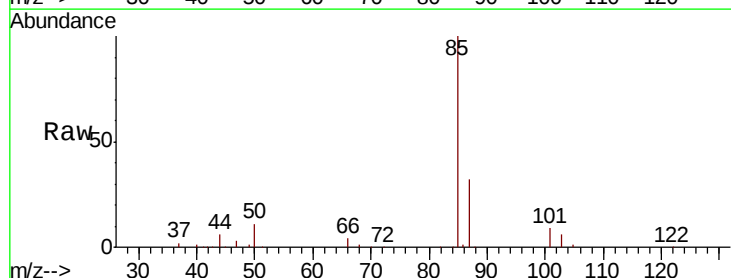
Acq: 28 Aug 2018 19:03

Tgt Ion: 85 Resp: 155938

Ion Ratio Lower Upper

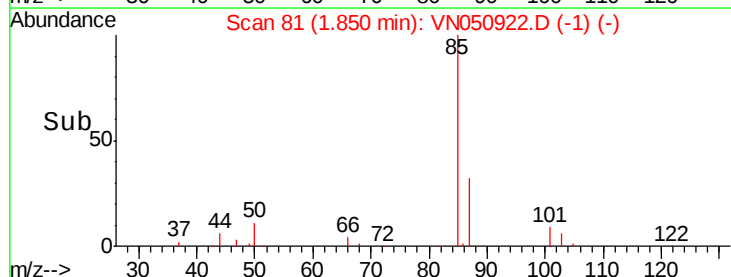
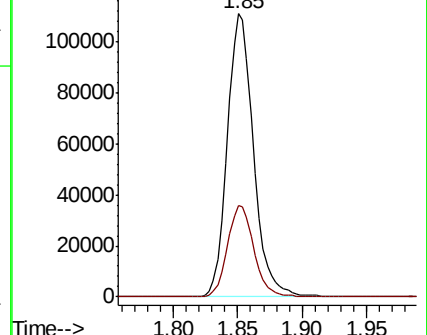
85 100

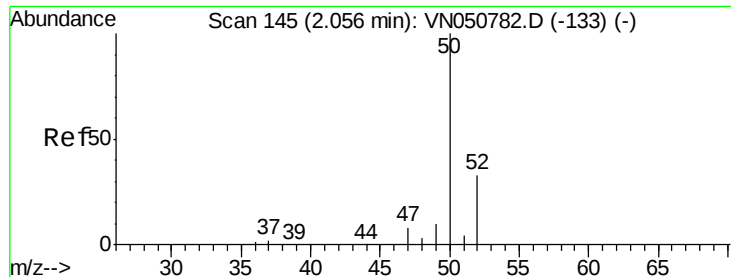
87 32.1 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 18.48 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050922.D

Acq: 28 Aug 2018 19:03

Instrument :

MSVOA_N

ClientSampleId :

VN0828WBSD02

Tot Ion: 50 Resp: 178140

Ion Ratio Lower Upper

50 100

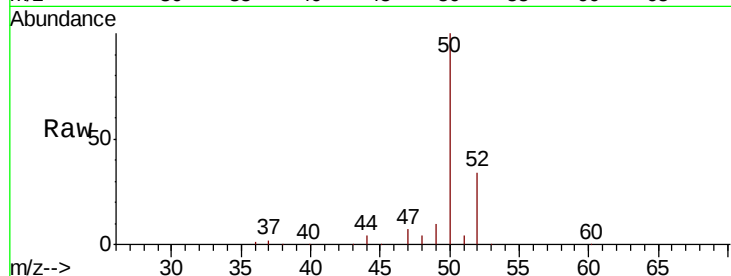
52 33.7 26.3 39.5

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Abundance Ion 49.90 (49.60 to 50.60): VN050922.D (-52) (-)

Ion 51.90 (51.60 to 52.60): VN050922.D (-52) (-)

2.06

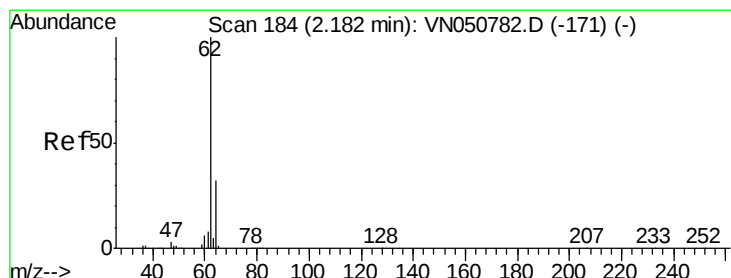
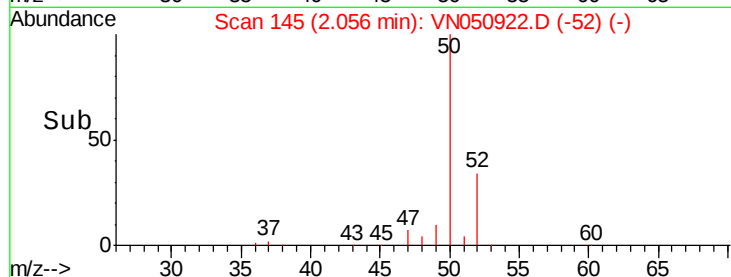
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 19.62 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN050922.D

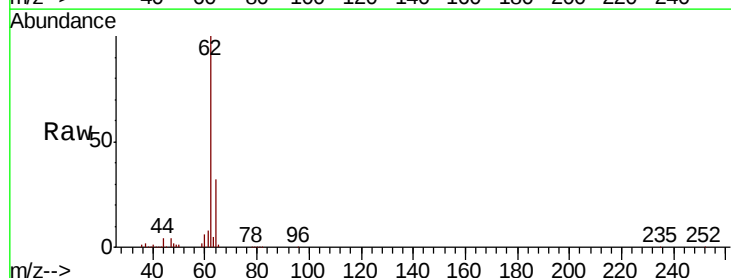
Acq: 28 Aug 2018 19:03

Tgt Ion: 62 Resp: 179173

Ion Ratio Lower Upper

62 100

64 32.2 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN050922.D (-91) (-)

Ion 63.90 (63.60 to 64.60): VN050922.D (-91) (-)

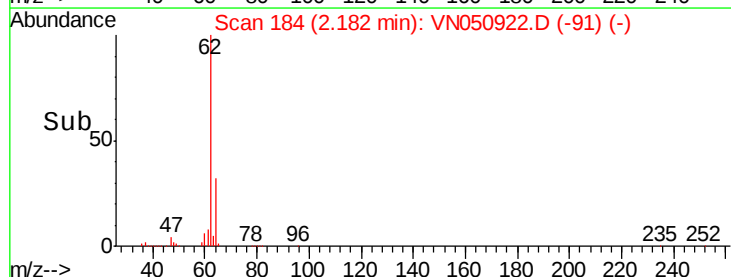
2.18

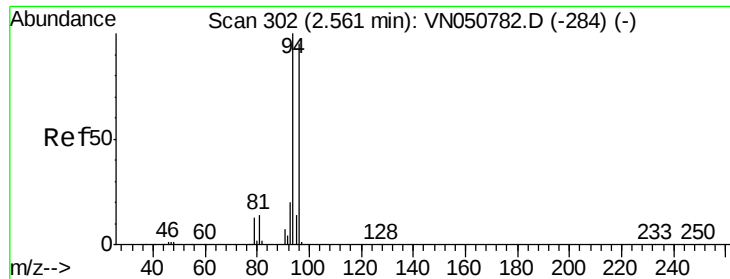
100000

50000

0

Time-->





#5

Bromomethane

Concen: 18.39 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN050922.D

Acq: 28 Aug 2018 19:03

Instrument :

MSVOA_N

ClientSampleId :

VN0828WBSD02

Tot Ion: 94 Resp: 98942

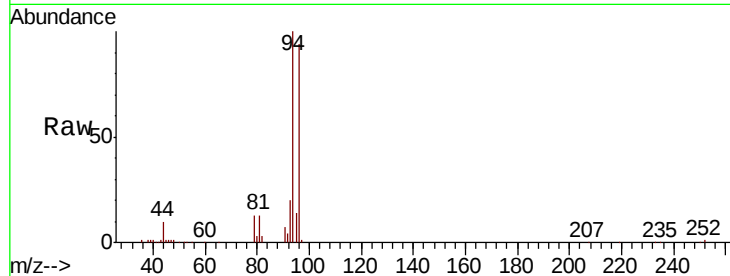
Ion Ratio Lower Upper

94 100

96 94.4 76.2 114.2

Manual Integrations
APPROVED

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8/29/2018 11:10:41 AM

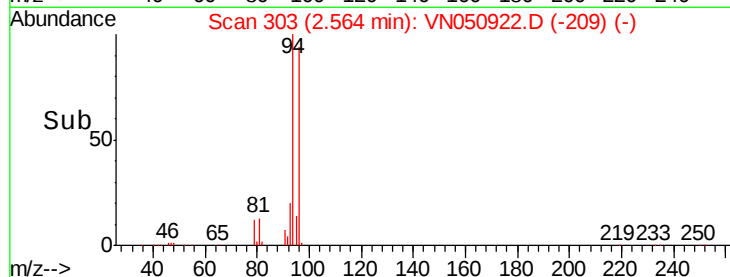


Abundance Ion 93.90 (93.60 to 94.60): VN050922.D (-284) (-)

Ion 95.90 (95.60 to 96.60): VN050922.D (-284) (-)

2.56

Time-->

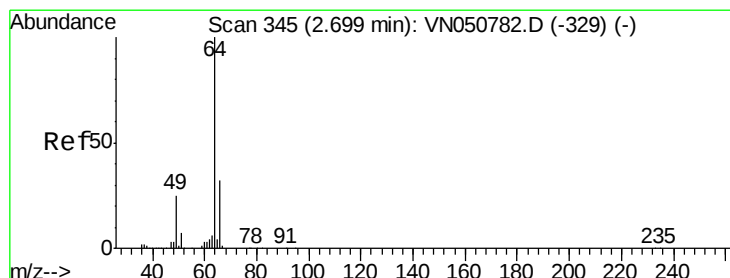


Abundance Ion 93.90 (93.60 to 94.60): VN050922.D (-209) (-)

Ion 95.90 (95.60 to 96.60): VN050922.D (-209) (-)

2.56

Time-->



#6

Chloroethane

Concen: 19.47 ug/l

RT: 2.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VN050922.D

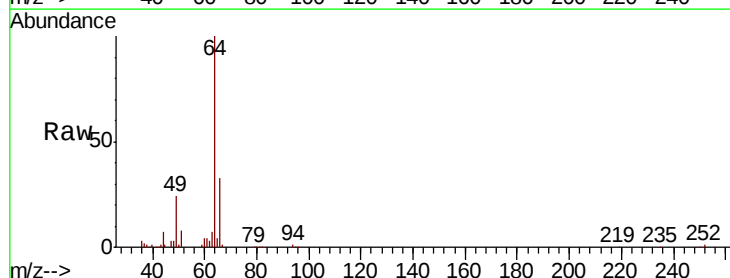
Acq: 28 Aug 2018 19:03

Tgt Ion: 64 Resp: 102697

Ion Ratio Lower Upper

64 100

66 32.8 25.3 37.9

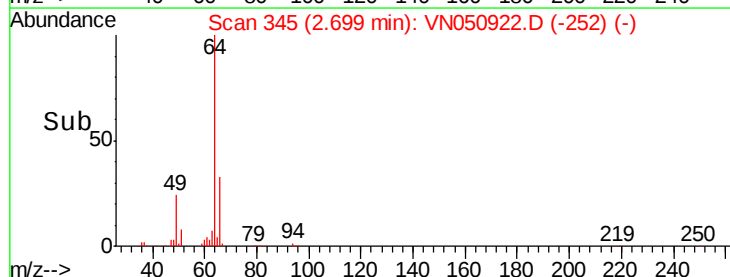


Abundance Ion 63.90 (63.60 to 64.60): VN050922.D (-329) (-)

Ion 65.90 (65.60 to 66.60): VN050922.D (-329) (-)

2.70

Time-->

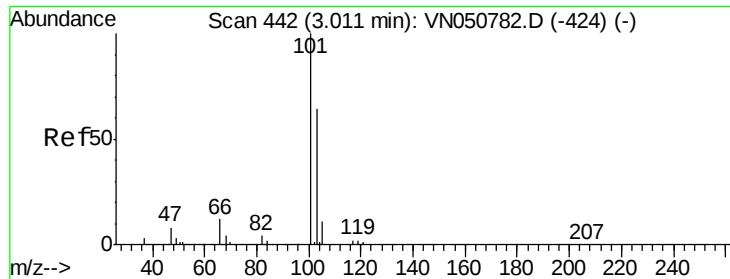


Abundance Ion 63.90 (63.60 to 64.60): VN050922.D (-252) (-)

Ion 65.90 (65.60 to 66.60): VN050922.D (-252) (-)

2.70

Time-->



#7

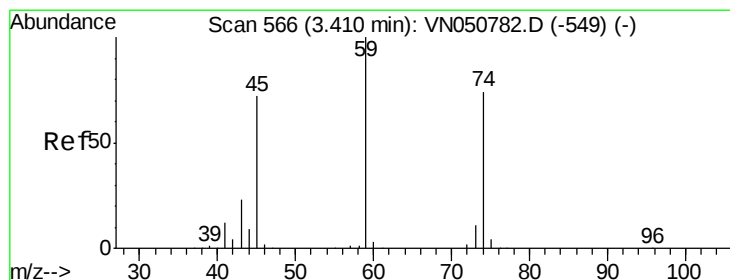
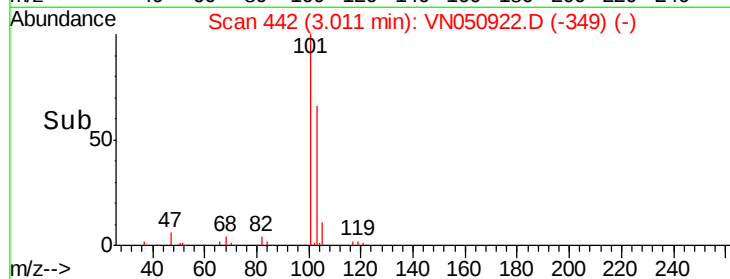
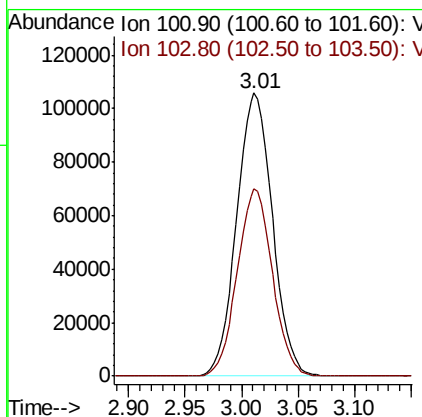
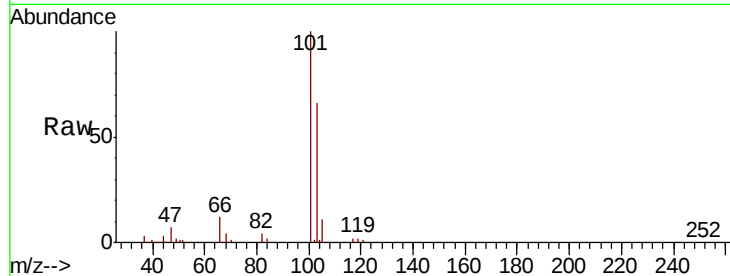
Trichlorofluoromethane
 Concen: 19.95 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. -0.00 min
 Lab File: VN050922.D
 Acq: 28 Aug 2018 19:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0828WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		233304		
103	66.0	51.6	77.4		

Manual Integrations
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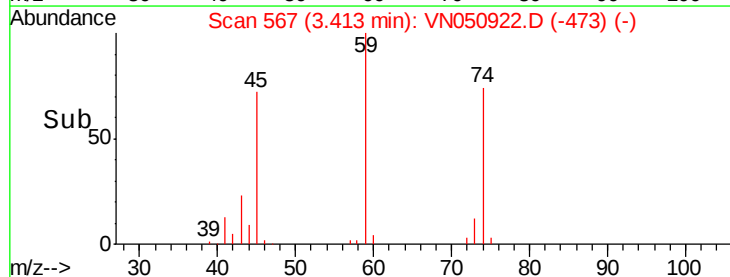
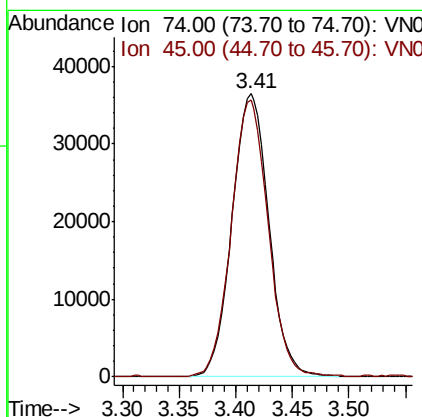
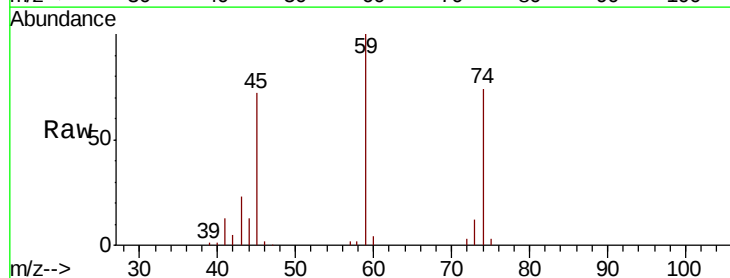
MMDadoda
 8/29/2018 11:10:41 AM

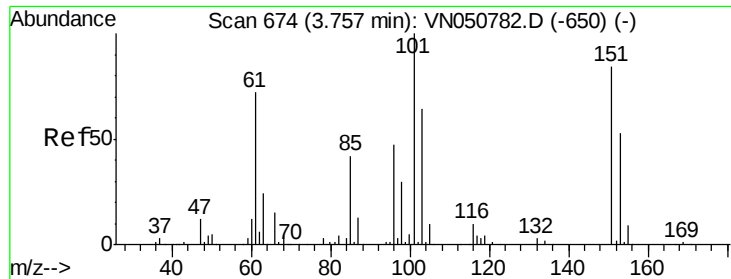


#8

Diethyl Ether
 Concen: 20.75 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050922.D
 Acq: 28 Aug 2018 19:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		82512		
45	98.2	48.2	144.6		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.50 ug/l

RT: 3.76 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN050922.D

Acq: 28 Aug 2018 19:03

Instrument :

MSVOA_N

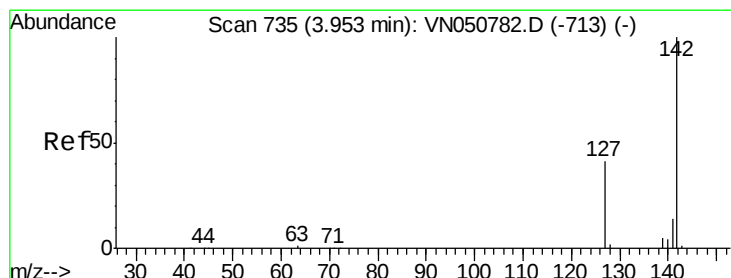
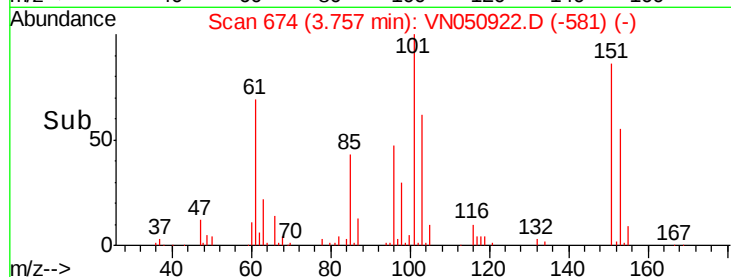
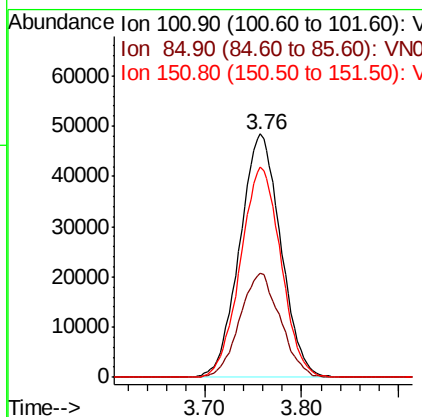
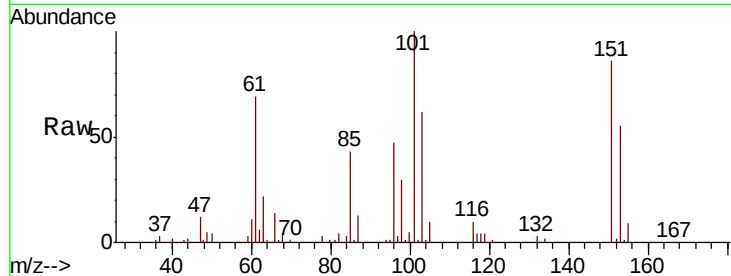
ClientSampleId :

VN0828WBSD02

Tot Ion:	101	Resp:	142415
Ion Ratio	Lower	Upper	
101	100		
85	42.2	33.7	50.5
151	85.3	67.4	101.2

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#10

Methyl Iodide

Concen: 22.07 ug/l

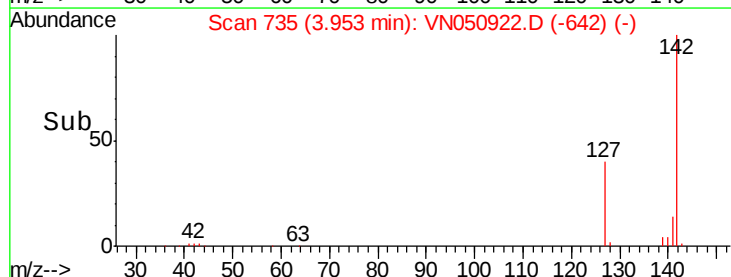
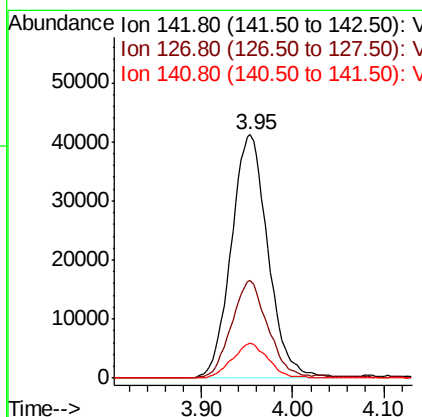
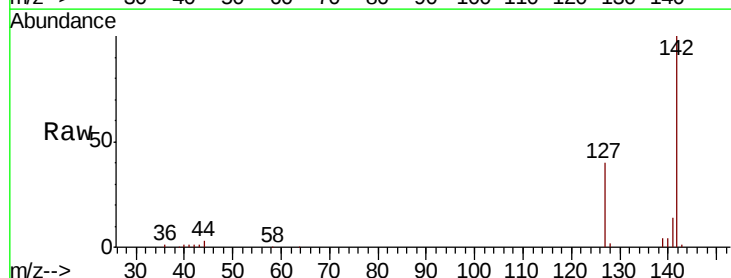
RT: 3.95 min Scan# 735

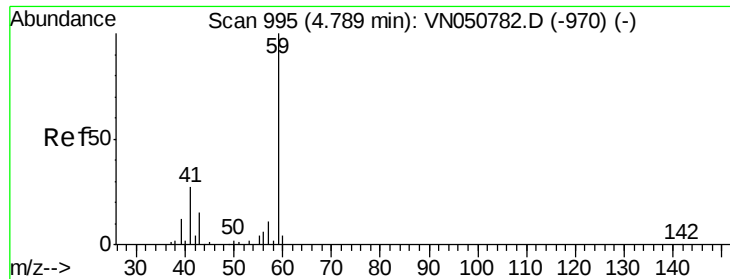
Delta R.T. 0.00 min

Lab File: VN050922.D

Acq: 28 Aug 2018 19:03

Tgt Ion:	142	Resp:	115510
Ion Ratio	Lower	Upper	
142	100		
127	39.6	31.7	47.5
141	13.9	11.4	17.0





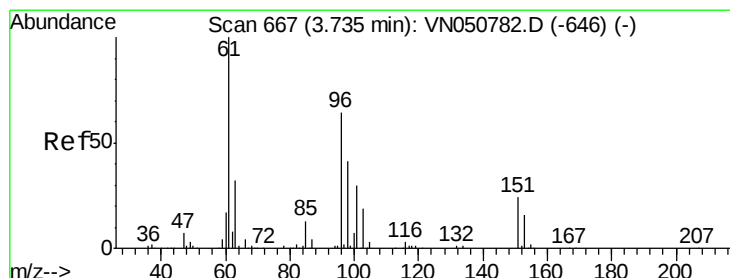
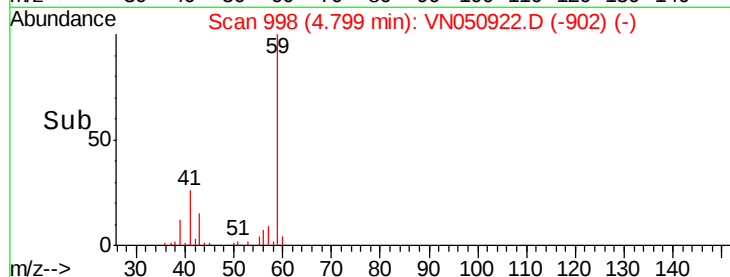
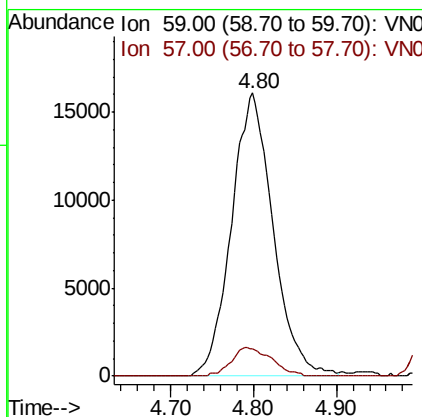
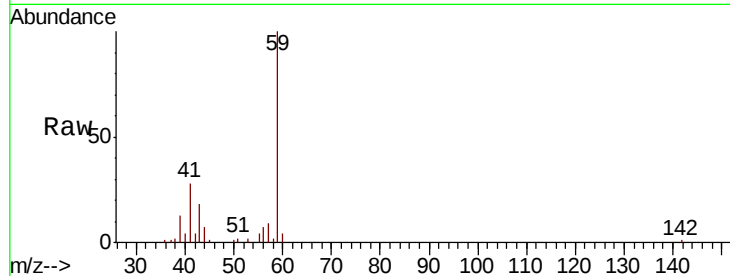
#11
Tert butyl alcohol
Concen: 125.29 ug/l
RT: 4.80 min Scan# 998
Delta R.T. 0.01 min
Lab File: VN050922.D
Acq: 28 Aug 2018 19:03

Instrument :
MSVOA_N
ClientSampleId :
VN0828WBSD02

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.6	8.3	12.5

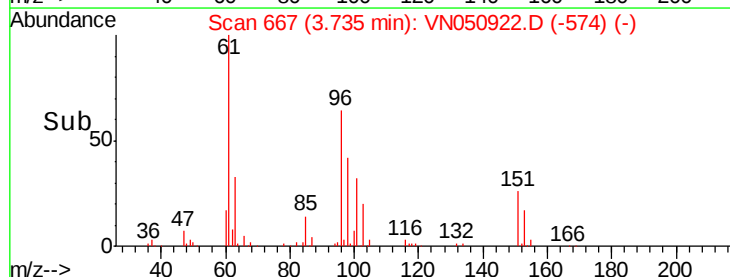
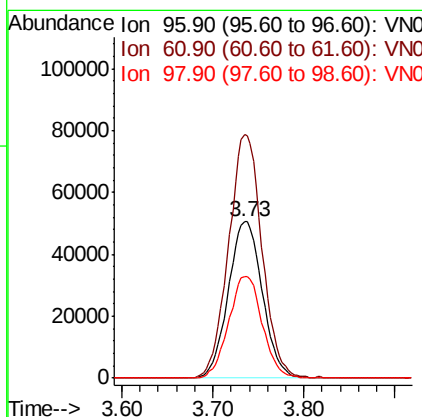
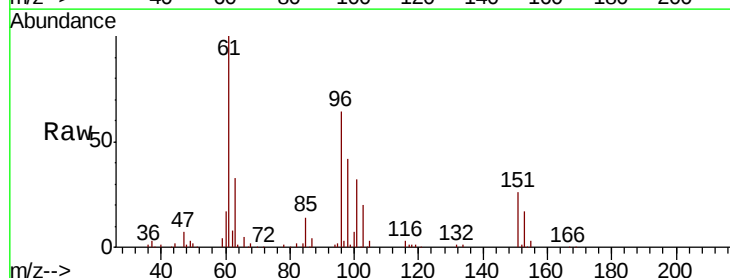
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#12
1,1-Dichloroethene
Concen: 20.10 ug/l
RT: 3.73 min Scan# 667
Delta R.T. -0.00 min
Lab File: VN050922.D
Acq: 28 Aug 2018 19:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.8	124.9	187.3
98	65.0	51.1	76.7





#13

Acrolein

Concen: 94.04 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.01 min

Lab File: VN050922.D

Acq: 28 Aug 2018 19:03

Instrument :

MSVOA_N

ClientSampleId :

VN0828WBSD02

Tot Ion: 56 Resp: 21436

Ion Ratio Lower Upper

56 100

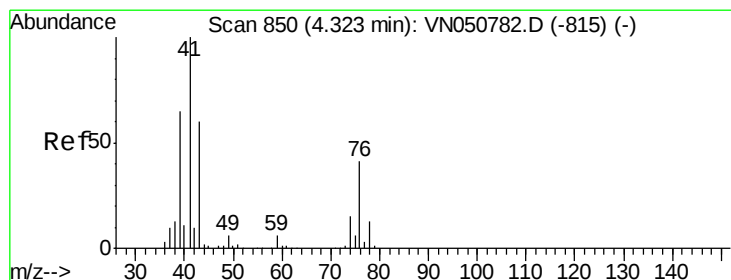
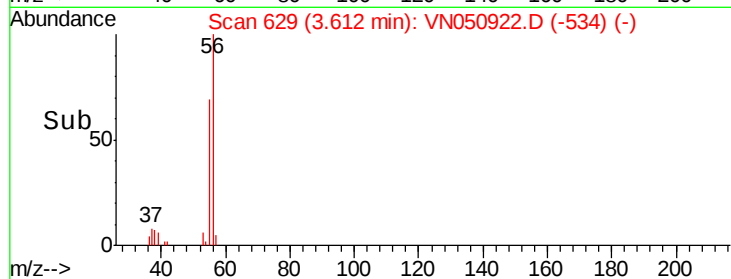
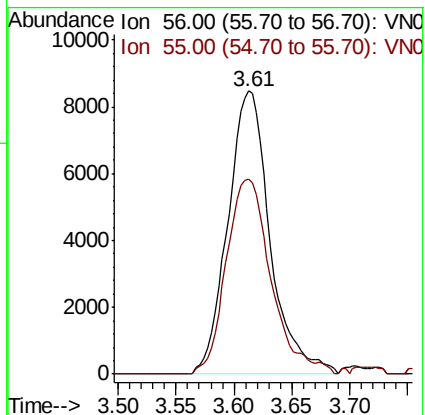
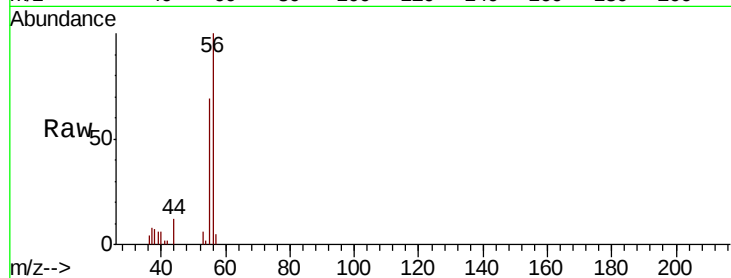
55 73.0 57.7 86.5

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#14

Allyl chloride

Concen: 19.66 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN050922.D

Acq: 28 Aug 2018 19:03

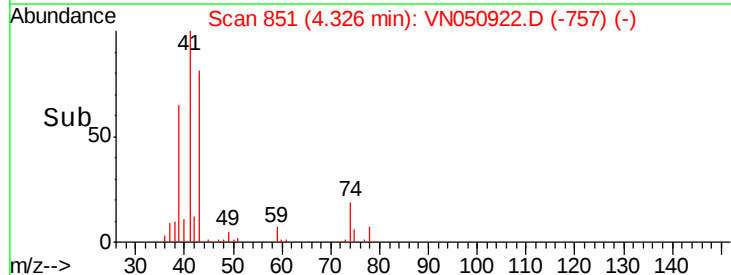
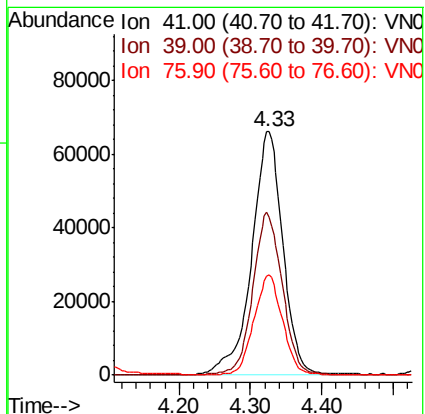
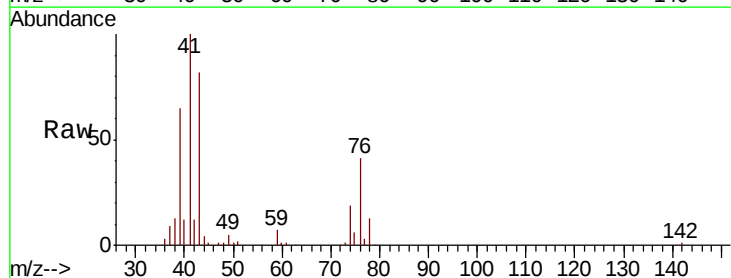
Tgt Ion: 41 Resp: 200967

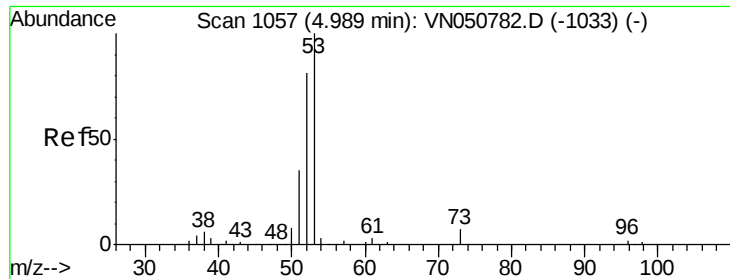
Ion Ratio Lower Upper

41 100

39 63.1 50.2 75.2

76 37.6 29.8 44.8





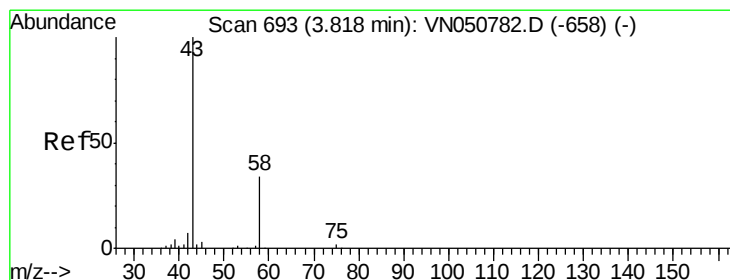
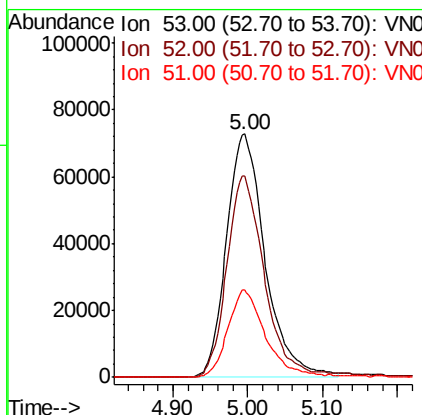
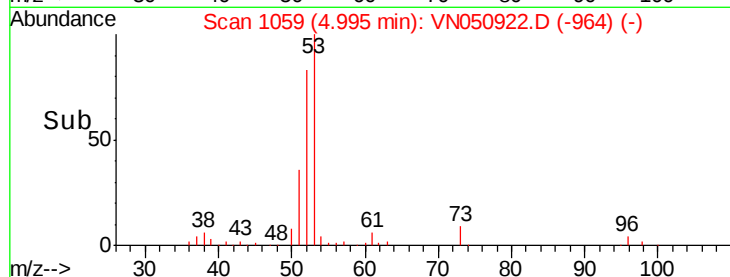
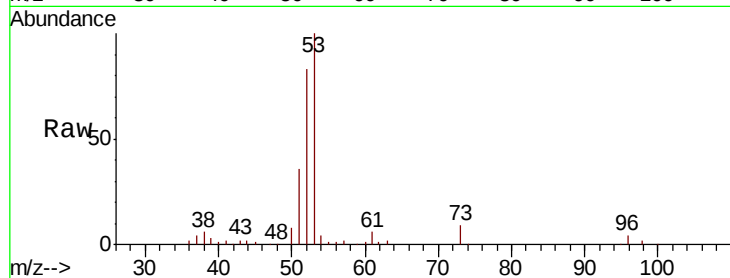
#15
 Acrylonitrile
 Concen: 114.58 ug/l
 RT: 5.00 min Scan# 1059
 Delta R.T. 0.01 min
 Lab File: VN050922.D
 Acq: 28 Aug 2018 19:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0828WBSD02

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.2	65.9	98.9
51	34.9	28.6	43.0

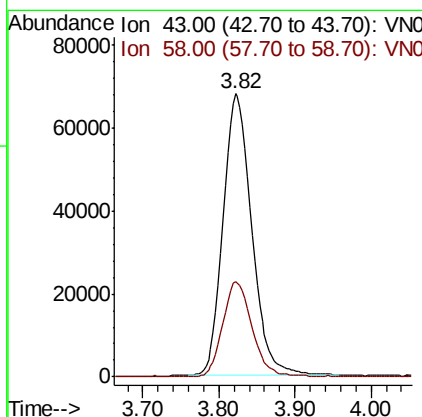
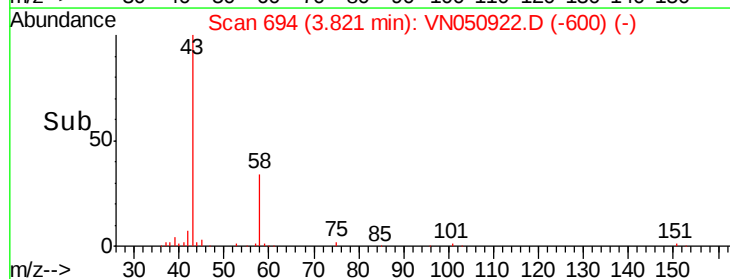
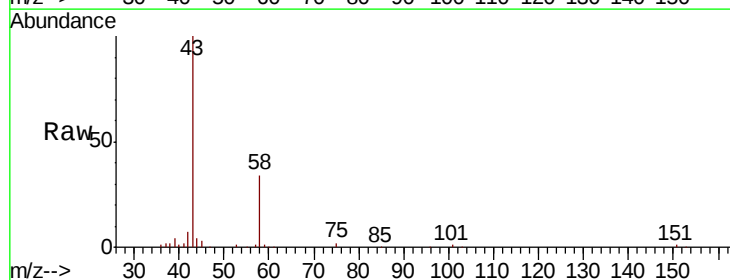
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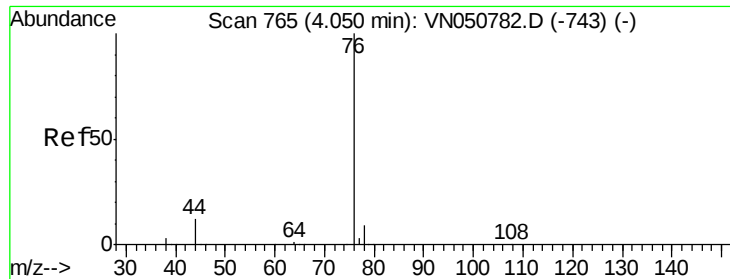
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#16
 Acetone
 Concen: 103.31 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VN050922.D
 Acq: 28 Aug 2018 19:03

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.9	27.2	40.8





#17

Carbon Disulfide

Concen: 17.69 ug/l

RT: 4.05 min Scan# 765

Delta R.T. -0.00 min

Lab File: VN050922.D

Acq: 28 Aug 2018 19:03

Instrument :

MSVOA_N

ClientSampleId :

VN0828WBSD02

Tot Ion: 76 Resp: 389062

Ion Ratio Lower Upper

76 100

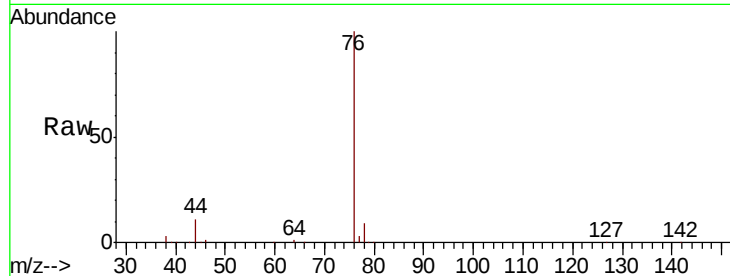
78 9.3 7.3 10.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC

4.05

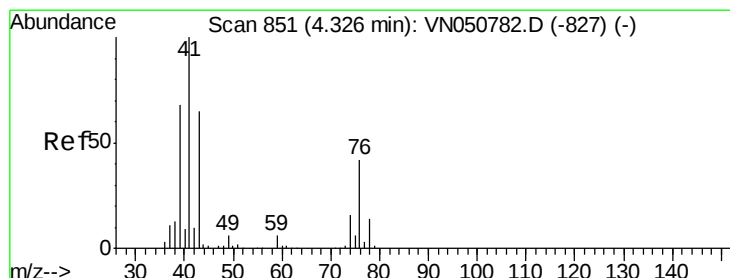
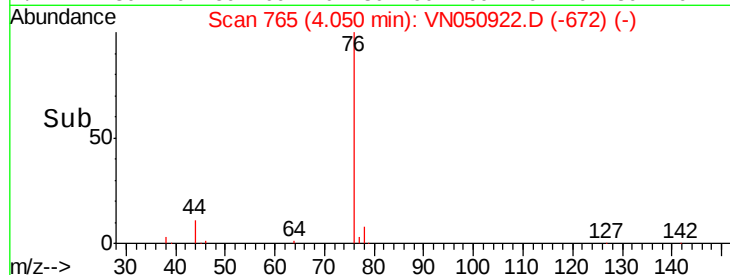
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 24.50 ug/l

RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN050922.D

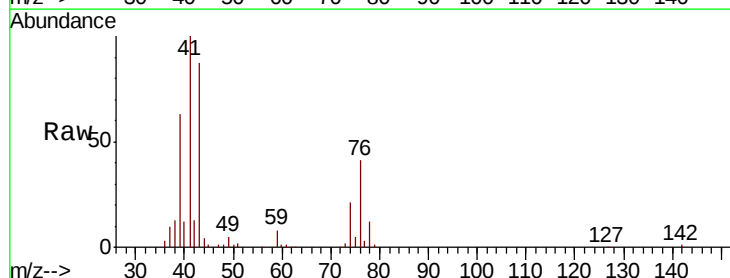
Acq: 28 Aug 2018 19:03

Tgt Ion: 43 Resp: 162660

Ion Ratio Lower Upper

43 100

74 24.4 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC

4.33

60000

50000

40000

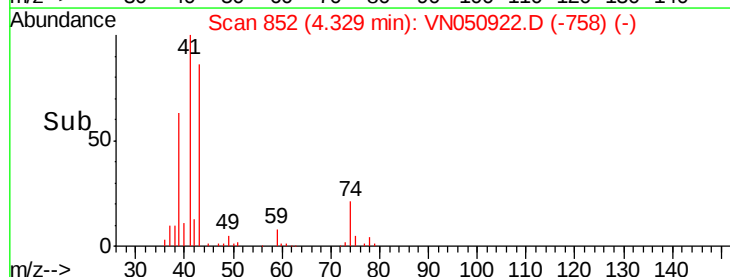
30000

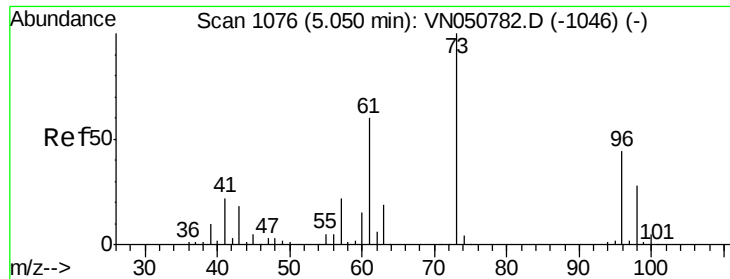
20000

10000

0

Time-->





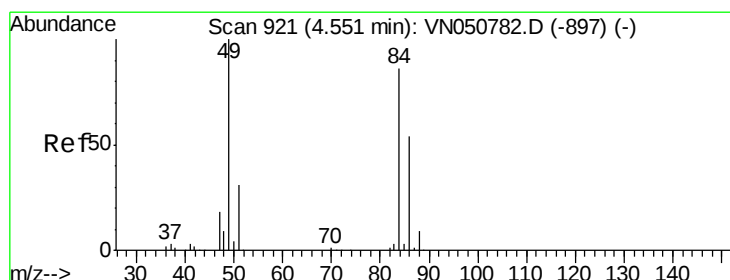
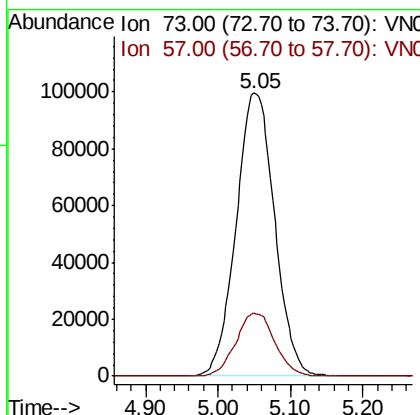
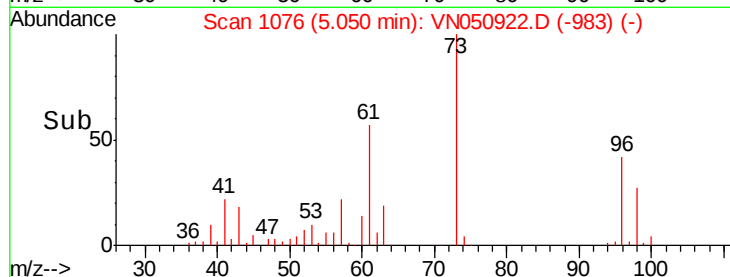
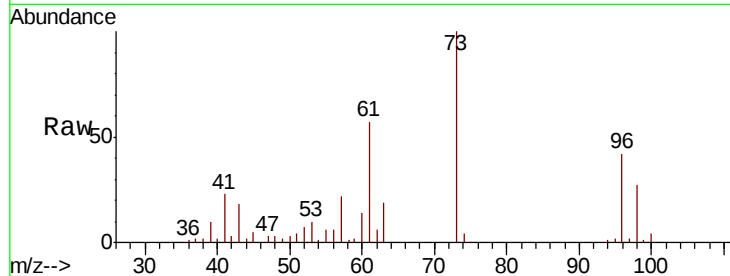
#19
Methyl tert-butyl Ether
Concen: 22.30 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VN050922.D
Acq: 28 Aug 2018 19:03

Instrument :
MSVOA_N
ClientSampleId :
VN0828WBSD02

Tot Ion: 73 Resp: 367920
Ion Ratio Lower Upper
73 100
57 22.3 17.8 26.8

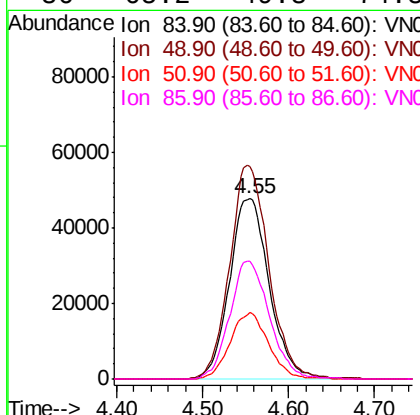
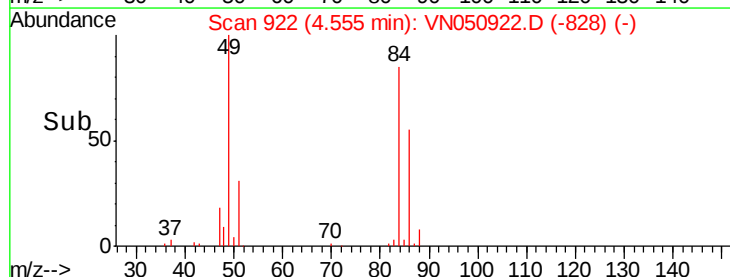
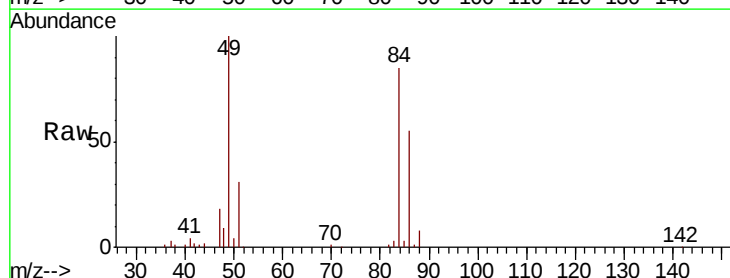
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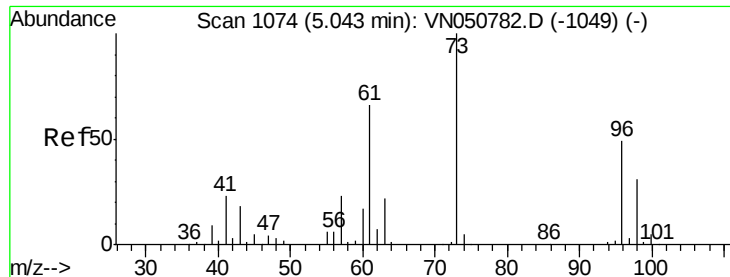
MMDadoda
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#20
Methylene Chloride
Concen: 19.38 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050922.D
Acq: 28 Aug 2018 19:03

Tgt Ion: 84 Resp: 153525
Ion Ratio Lower Upper
84 100
49 117.8 93.2 139.8
51 36.9 29.0 43.6
86 65.2 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 19.59 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VN050922.D

Acq: 28 Aug 2018 19:03

Instrument :

MSVOA_N

ClientSampleId :

VN0828WBSD02

Tot Ion: 96 Resp: 138952

Ion Ratio Lower Upper

96 100

61 139.1 107.4 161.0

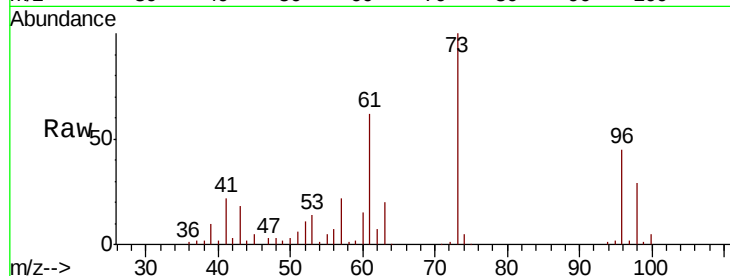
98 64.2 50.7 76.1

Manual Integrations

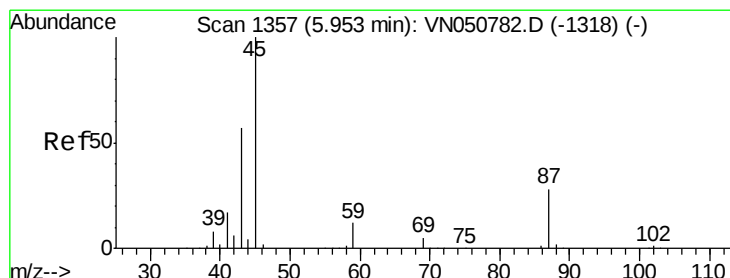
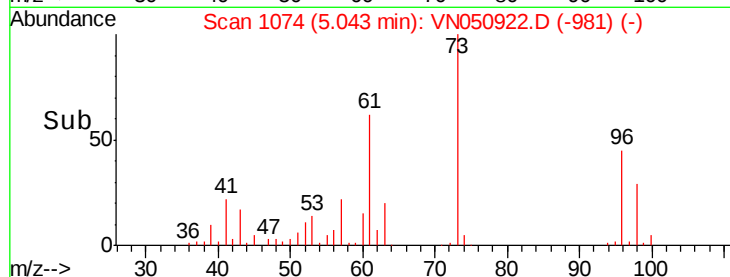
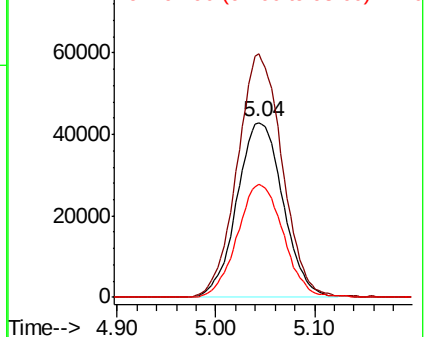
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Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 21.64 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VN050922.D

Acq: 28 Aug 2018 19:03

Tgt Ion: 45 Resp: 440697

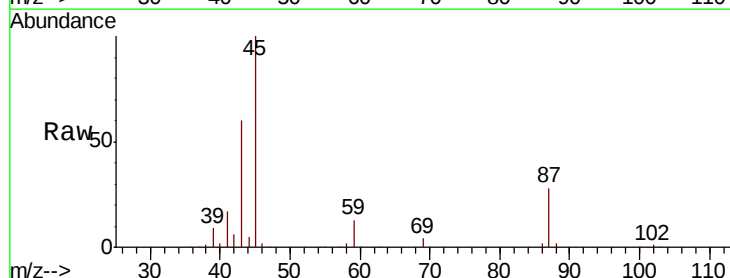
Ion Ratio Lower Upper

45 100

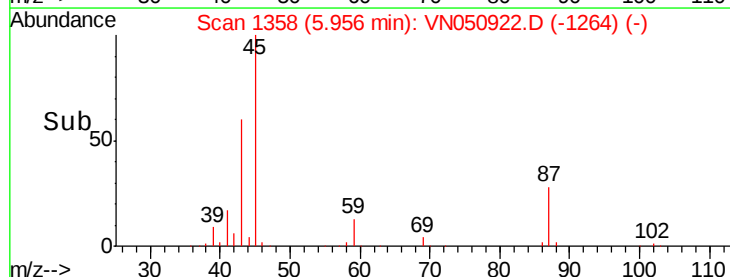
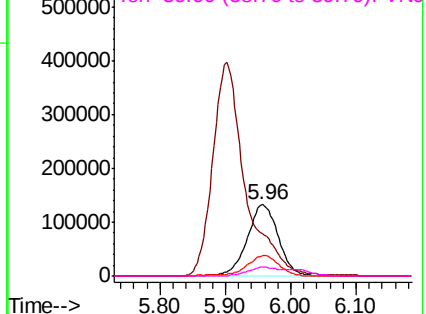
43 58.5 45.9 68.9

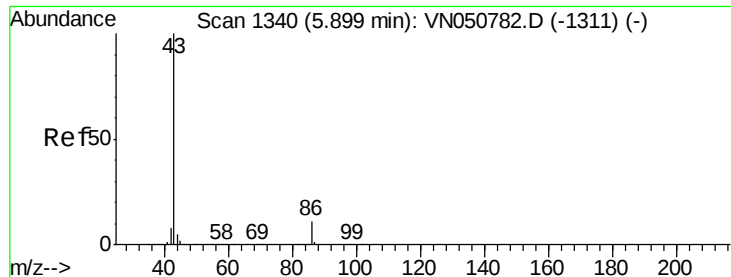
87 28.0 22.7 34.1

59 12.3 9.3 13.9



Abundance Ion 45.00 (44.70 to 45.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 87.00 (86.70 to 87.70): VNC
Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 105.32 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VN050922.D

Acq: 28 Aug 2018 19:03

Instrument :

MSVOA_N

ClientSampleID :

VN0828WBSD02

Tot Ion: 43 Resp: 1381492

Ion Ratio Lower Upper

43 100

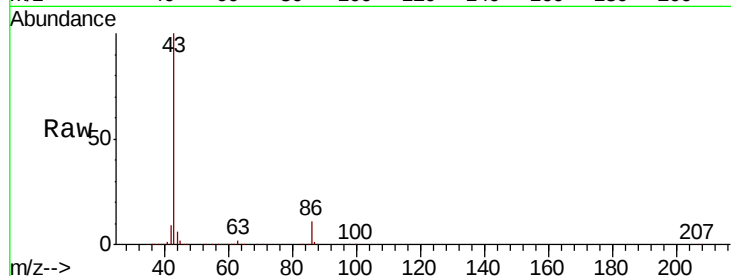
86 10.9 8.7 13.1

Manual Integrations

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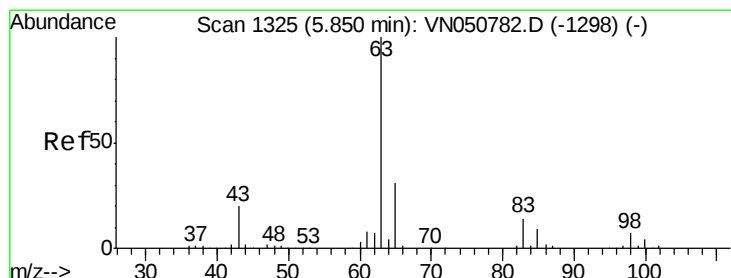
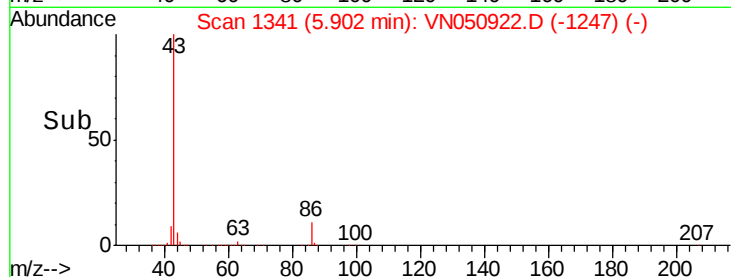
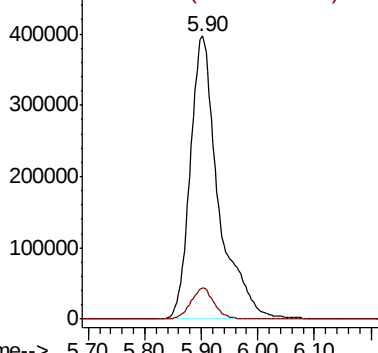
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.14 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VN050922.D

Acq: 28 Aug 2018 19:03

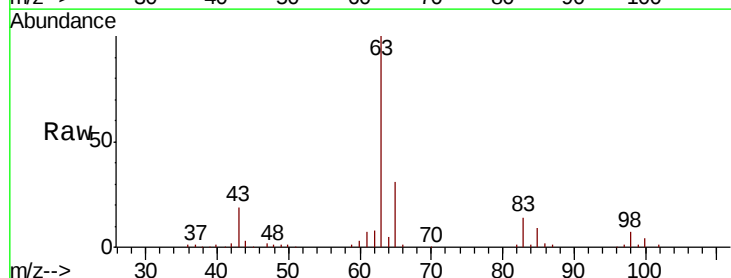
Tgt Ion: 63 Resp: 263388

Ion Ratio Lower Upper

63 100

98 7.3 3.3 9.8

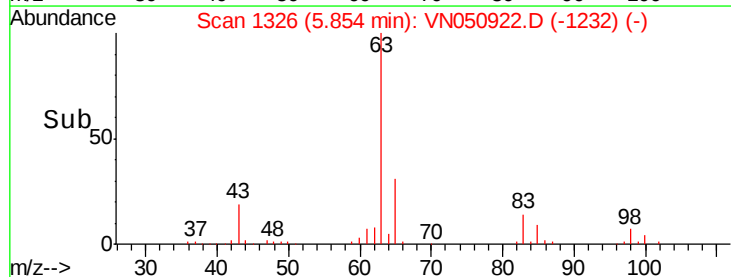
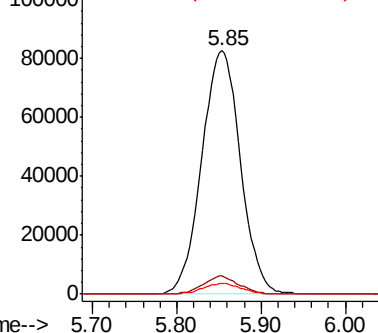
100 4.4 2.1 6.5

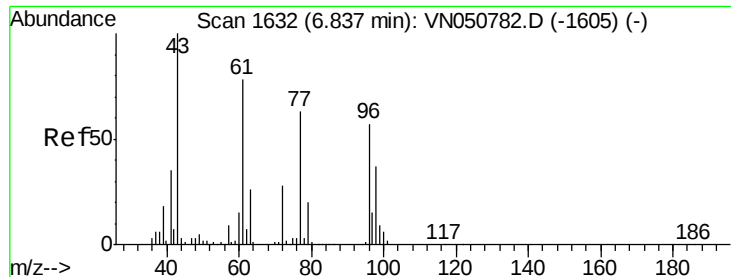


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 99.96 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.01 min

Lab File: VN050922.D

Acq: 28 Aug 2018 19:03

Instrument :

MSVOA_N

ClientSampleId :

VN0828WBSD02

Tot Ion: 43 Resp: 283200

Ion Ratio Lower Upper

43 100

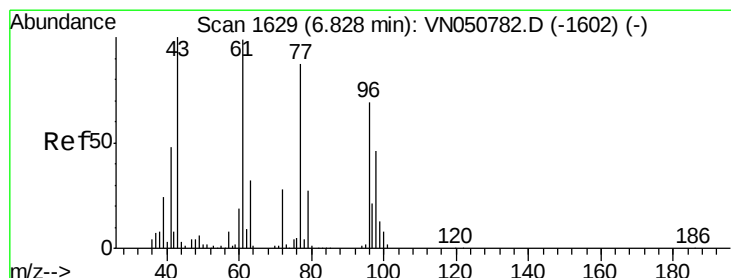
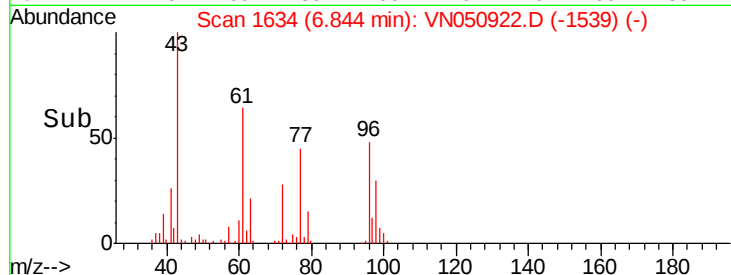
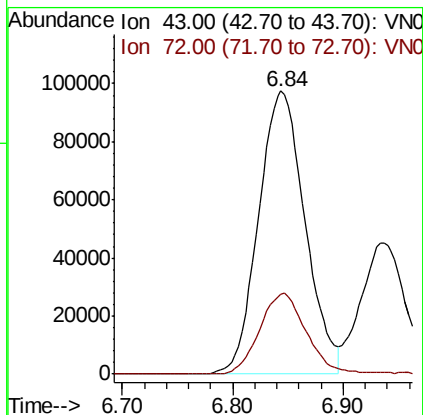
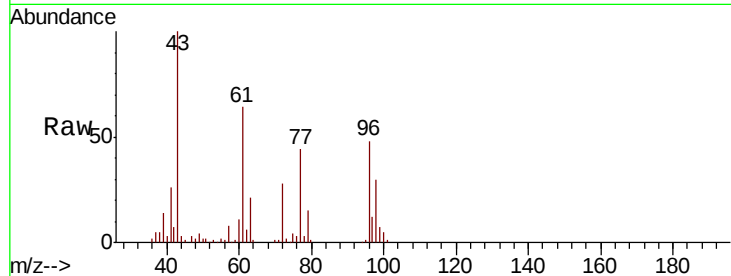
72 28.4 22.3 33.5

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#26

2,2-Dichloropropane

Concen: 17.53 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN050922.D

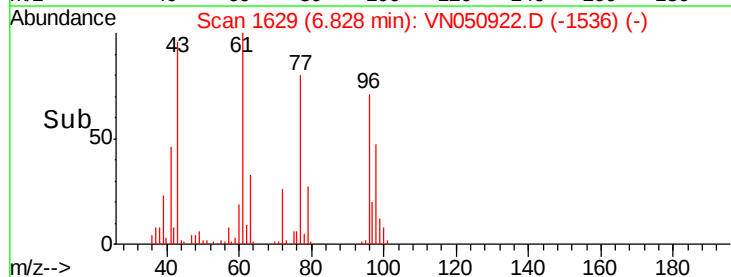
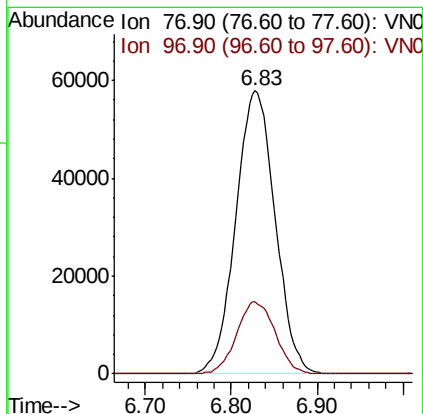
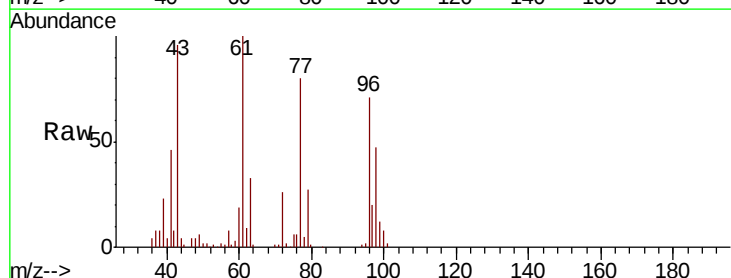
Acq: 28 Aug 2018 19:03

Tgt Ion: 77 Resp: 184143

Ion Ratio Lower Upper

77 100

97 24.9 12.0 36.0





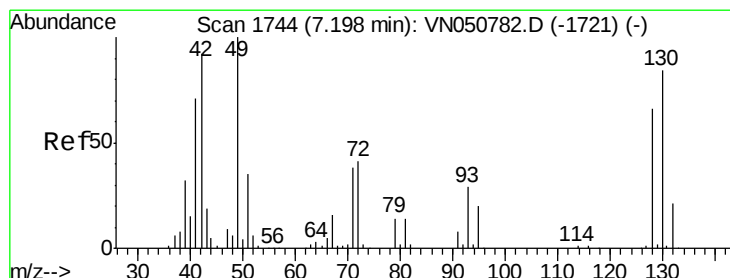
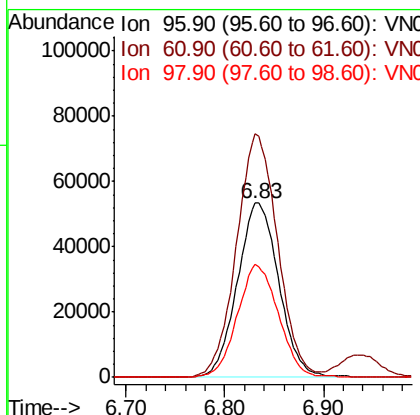
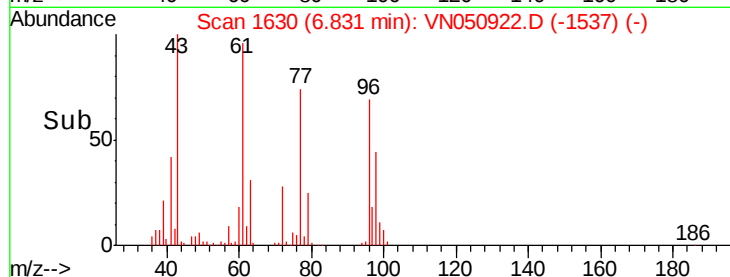
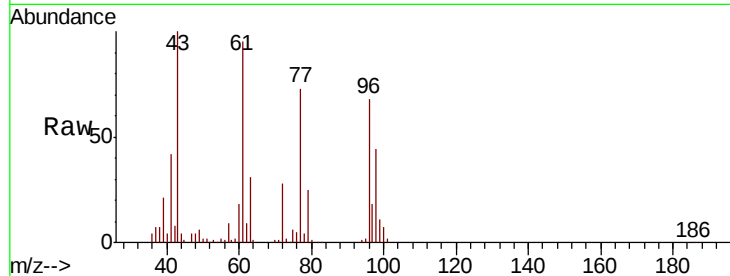
#27
 cis-1,2-Dichloroethene
 Concen: 20.31 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VN050922.D
 Acq: 28 Aug 2018 19:03

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0828WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	138.8	0.0	283.4	
98	64.4	0.0	129.8	

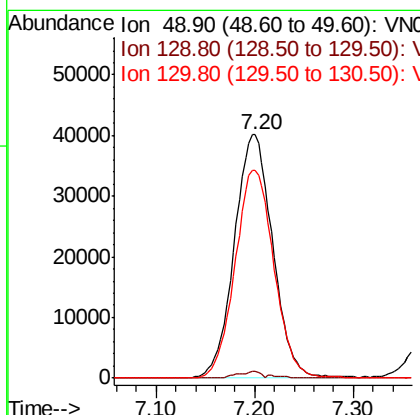
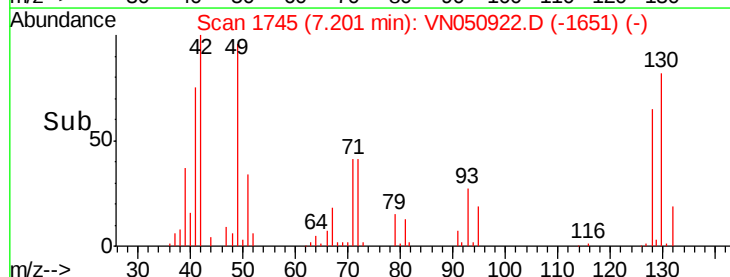
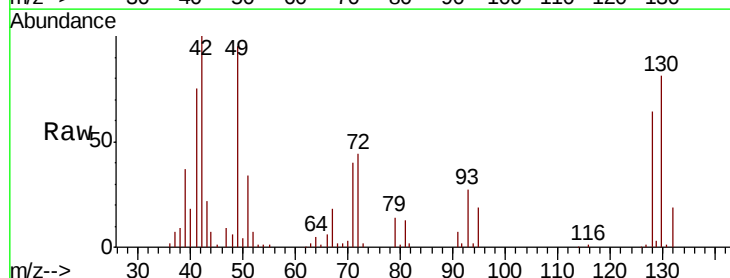
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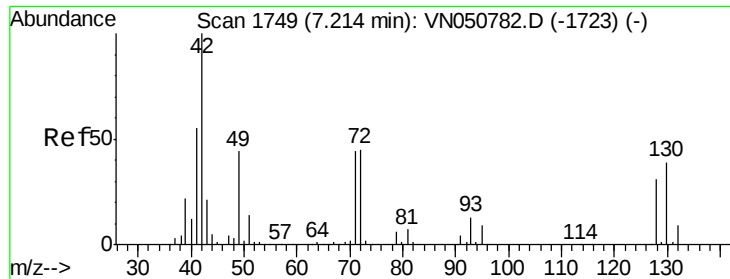
MMDadoda
 8/29/2018 11:10:41 AM



#28
 Bromochloromethane
 Concen: 19.45 ug/l
 RT: 7.20 min Scan# 1745
 Delta R.T. 0.00 min
 Lab File: VN050922.D
 Acq: 28 Aug 2018 19:03

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.6	0.0	4.2	
130	86.5	67.1	100.7	





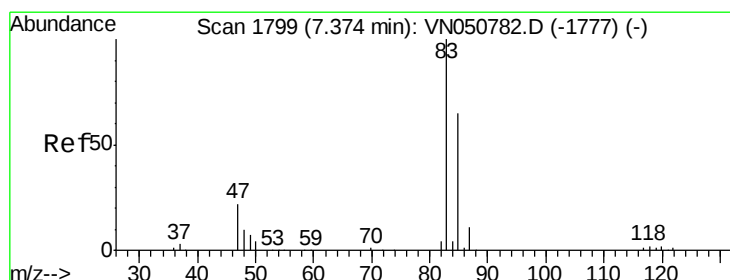
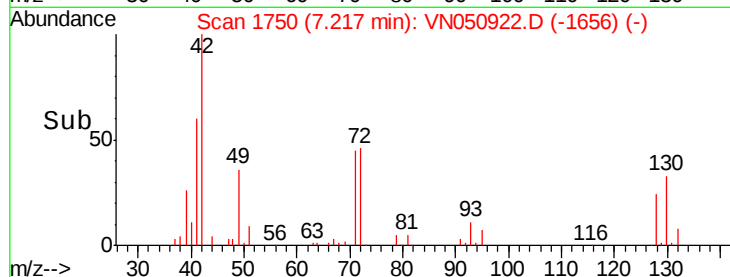
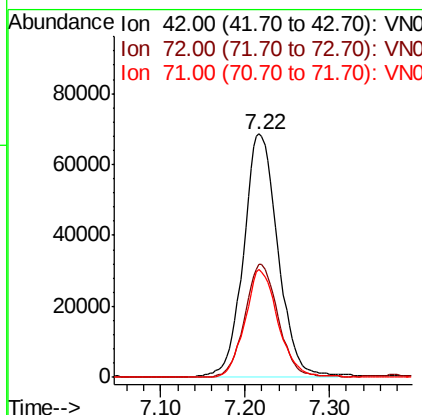
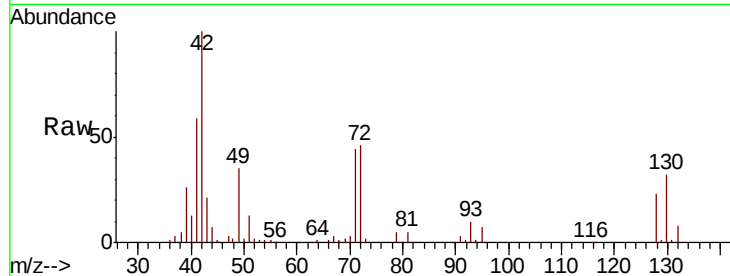
#29
Tetrahydrofuran
Concen: 118.79 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VN050922.D
Acq: 28 Aug 2018 19:03

Instrument :
MSVOA_N
ClientSampleId :
VN0828WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.6	35.5	53.3
71	43.0	33.7	50.5

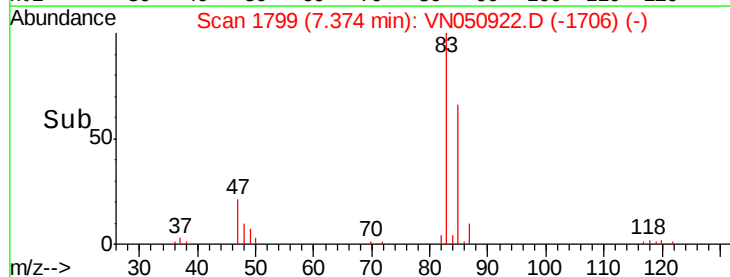
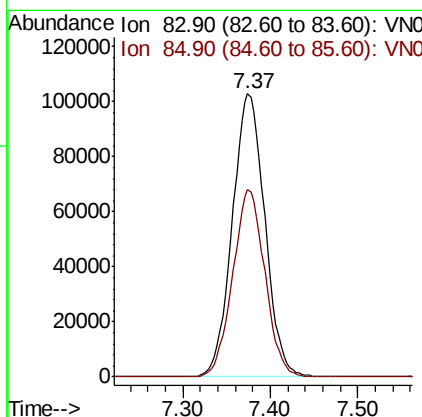
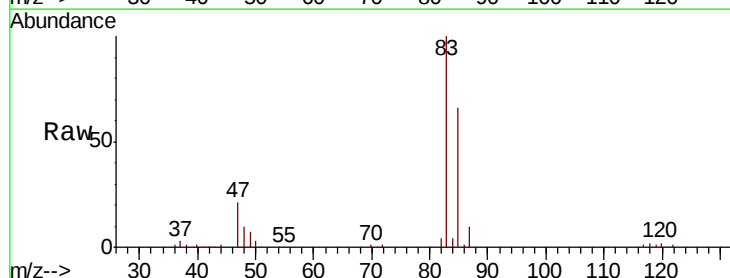
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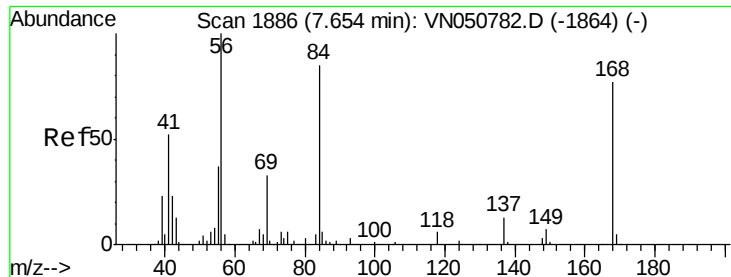
MMDadoda
8/29/2018 11:10:41 AM



#30
Chloroform
Concen: 20.53 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN050922.D
Acq: 28 Aug 2018 19:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	52.2	78.4





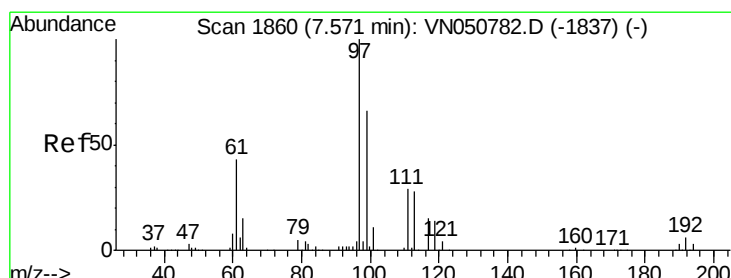
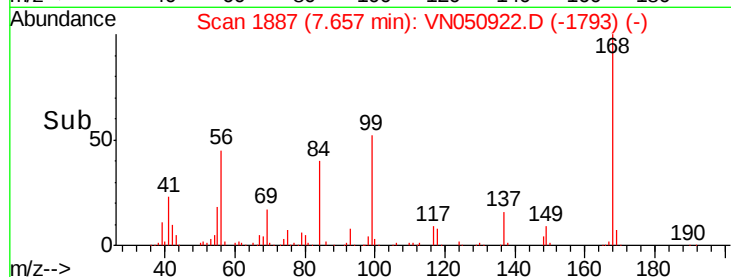
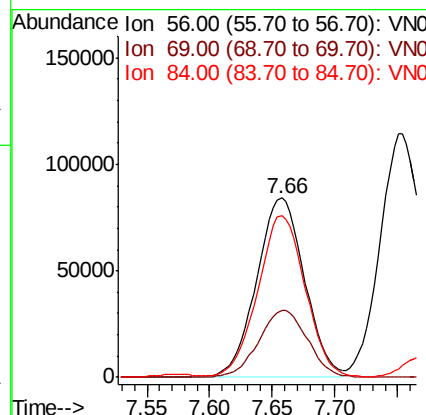
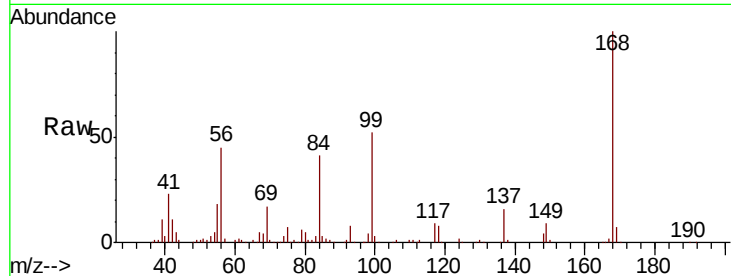
#31
Cyclohexane
Concen: 19.12 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN050922.D
Acq: 28 Aug 2018 19:03

Instrument :
MSVOA_N
ClientSampleId :
VN0828WBSD02

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.3	26.2	39.4
84	89.1	68.3	102.5

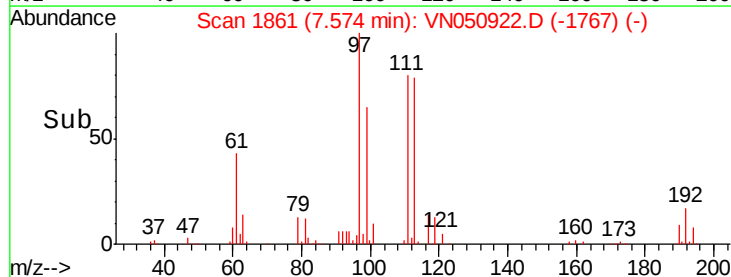
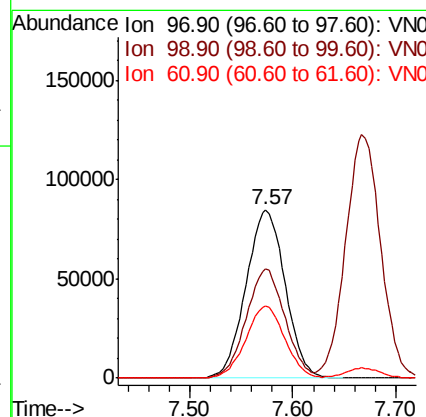
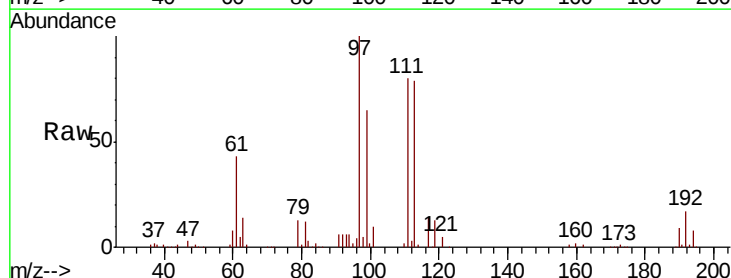
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#32
1,1,1-Trichloroethane
Concen: 20.14 ug/l
RT: 7.57 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN050922.D
Acq: 28 Aug 2018 19:03

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.8	77.6
61	42.5	34.9	52.3





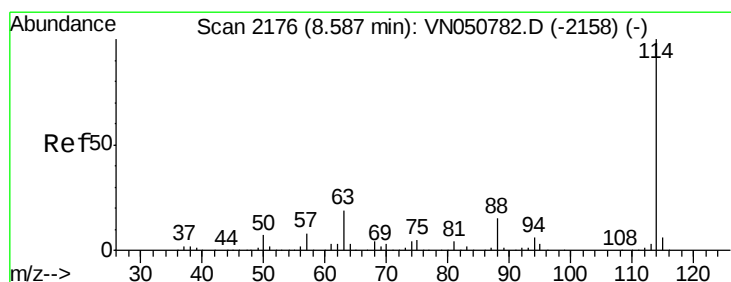
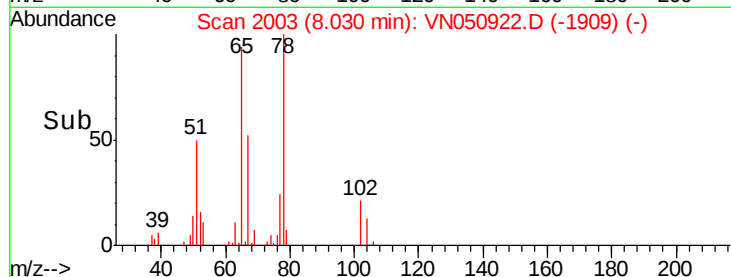
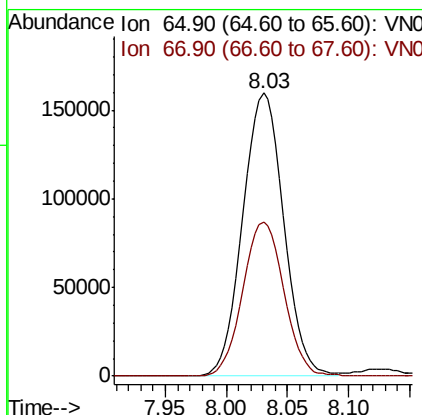
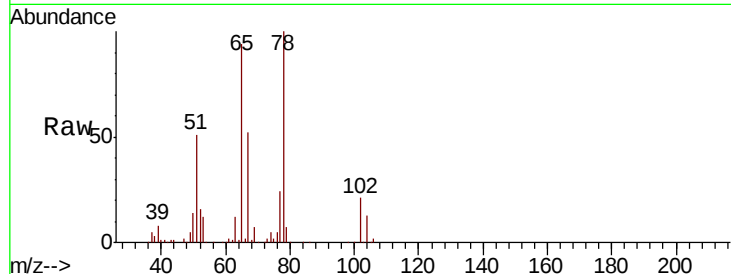
#33
 1,2-Dichloroethane-d4
 Concen: 52.82 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050922.D
 Acq: 28 Aug 2018 19:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0828WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.7	0.0	110.4	

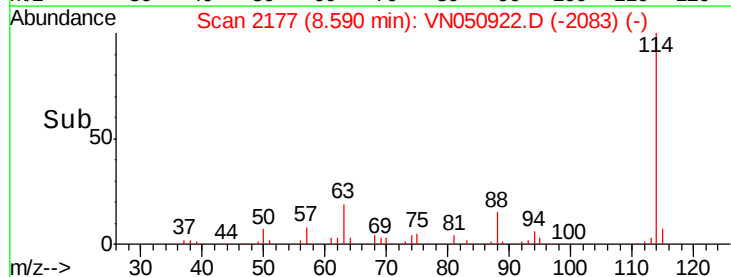
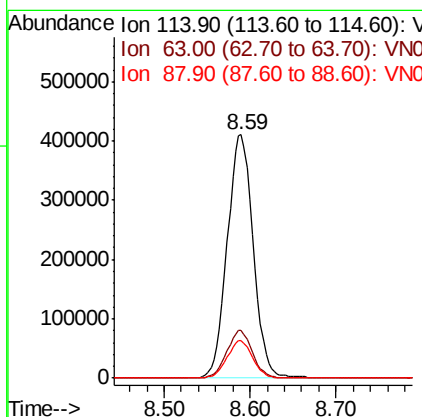
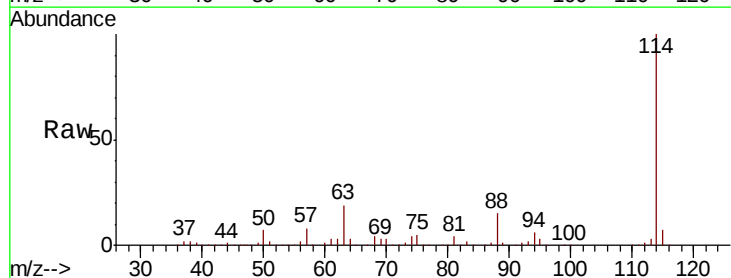
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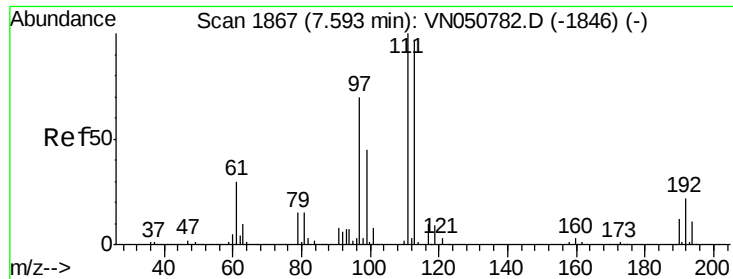
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050922.D
 Acq: 28 Aug 2018 19:03

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.4	0.0	38.6	
88	15.3	0.0	30.6	





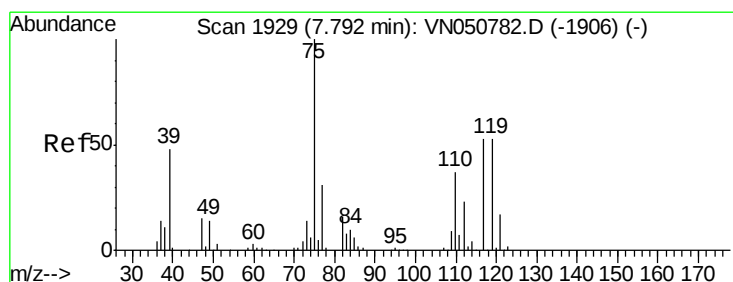
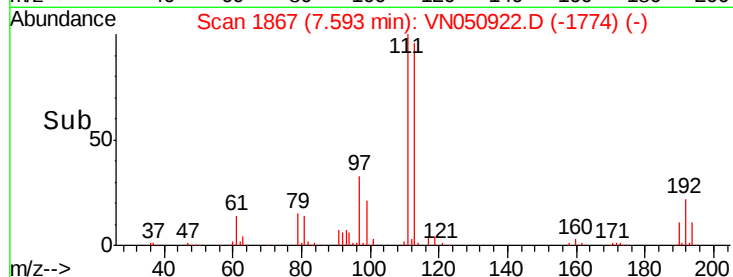
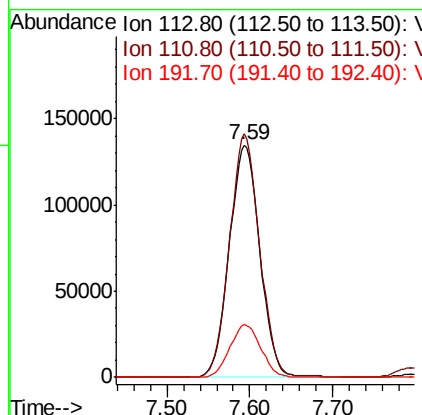
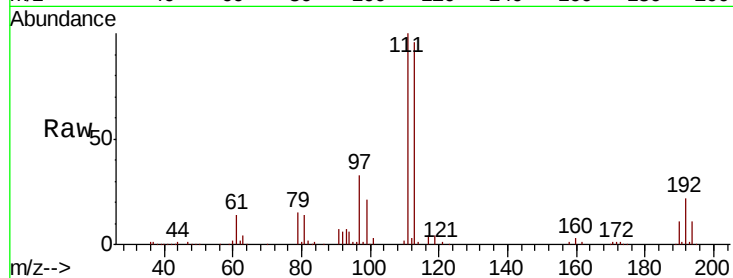
#35
 Dibromofluoromethane
 Concen: 50.39 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050922.D
 Acq: 28 Aug 2018 19:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0828WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	345705		
111	102.5	82.6	123.8	
192	22.9	18.0	27.0	

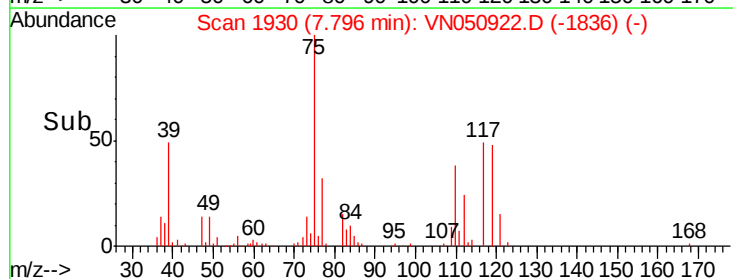
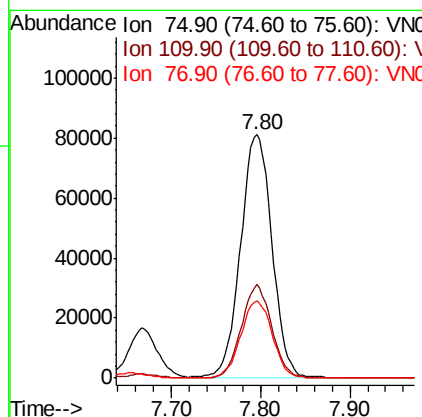
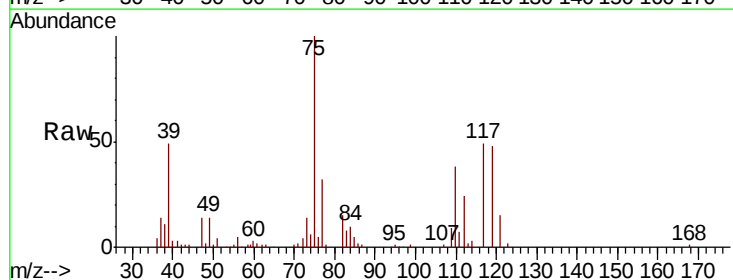
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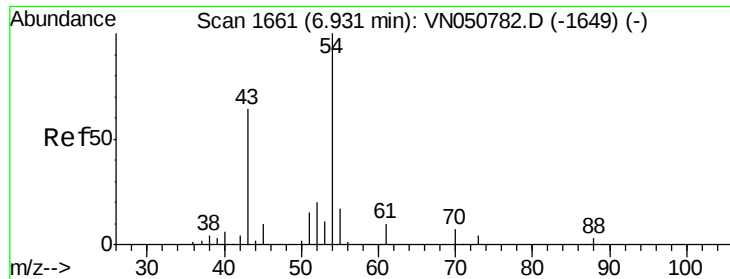
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 8/29/2018 11:10:41 AM



#36
 1,1-Dichloropropene
 Concen: 19.43 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050922.D
 Acq: 28 Aug 2018 19:03

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	197752		
110	37.0	18.1	54.4	
77	32.0	24.8	37.2	





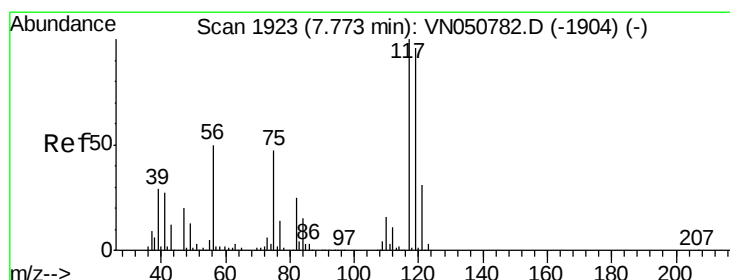
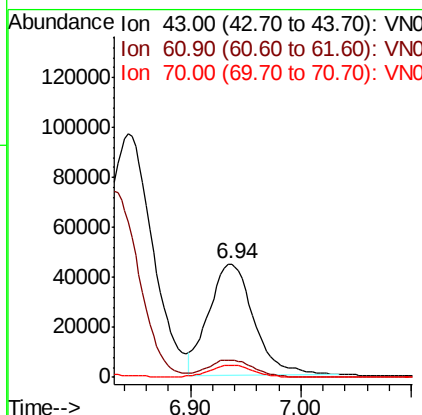
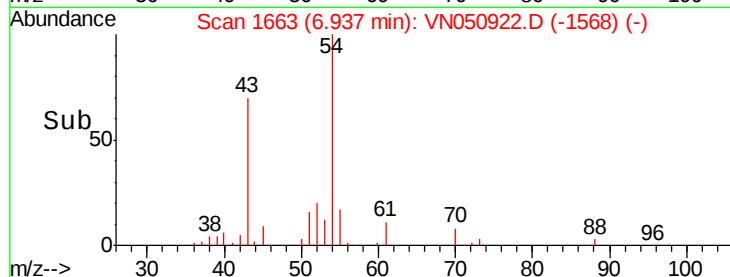
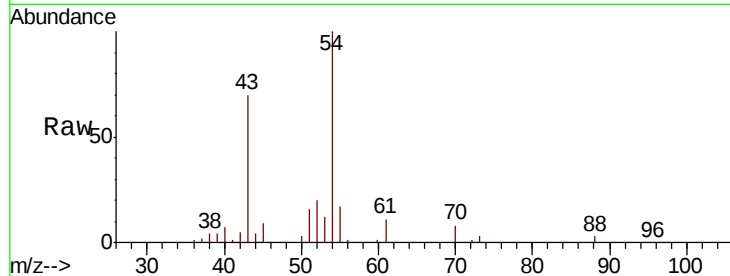
#37
Ethyl Acetate
Concen: 21.63 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.01 min
Lab File: VN050922.D
Acq: 28 Aug 2018 19:03

Instrument :
MSVOA_N
ClientSampleId :
VN0828WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.6	12.0	18.0
70	10.9	8.6	13.0

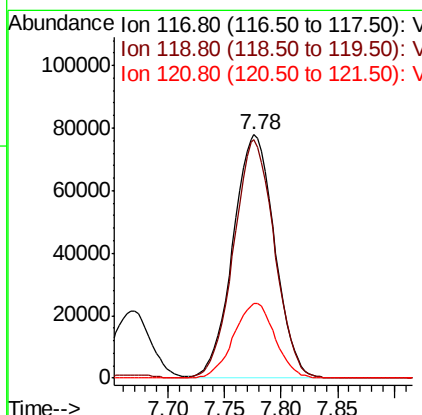
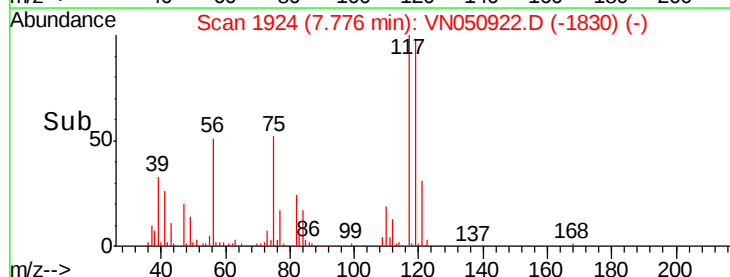
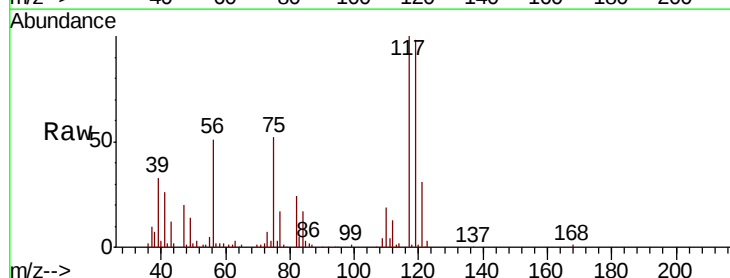
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#38
Carbon Tetrachloride
Concen: 19.41 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050922.D
Acq: 28 Aug 2018 19:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.9	76.3	114.5
121	30.6	24.6	36.8





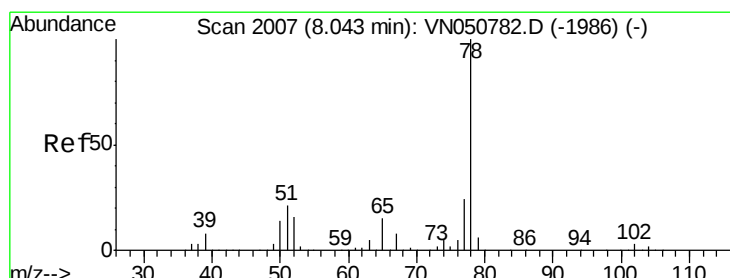
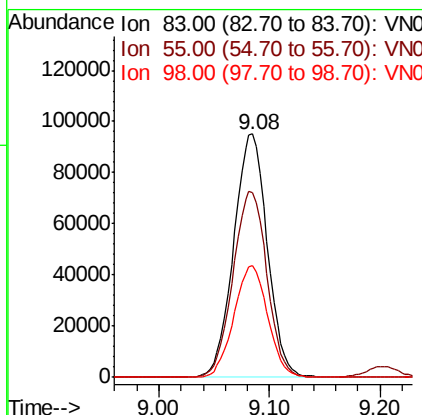
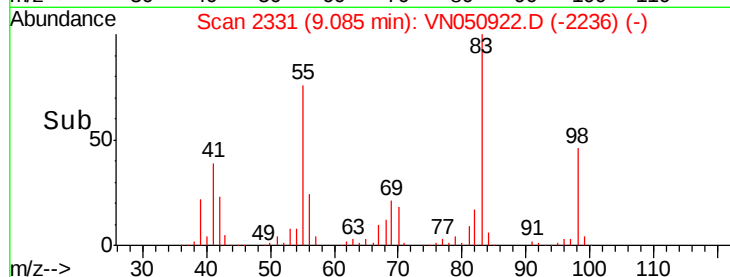
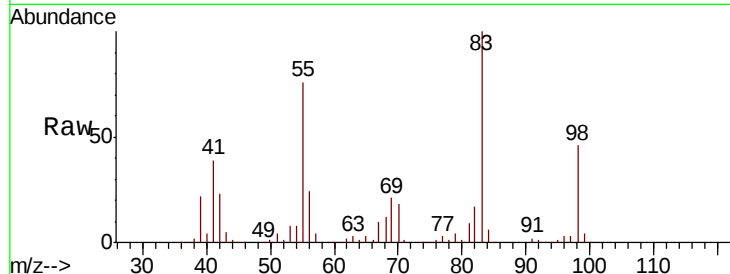
#39
Methvlcvclohexane
Concen: 18.25 ug/l
RT: 9.08 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VN050922.D
Acq: 28 Aug 2018 19:03

Instrument :
MSVOA_N
ClientSampleId :
VN0828WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.1	61.0	91.4
98	45.6	37.5	56.3

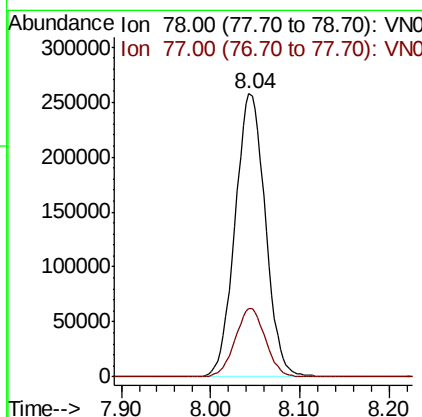
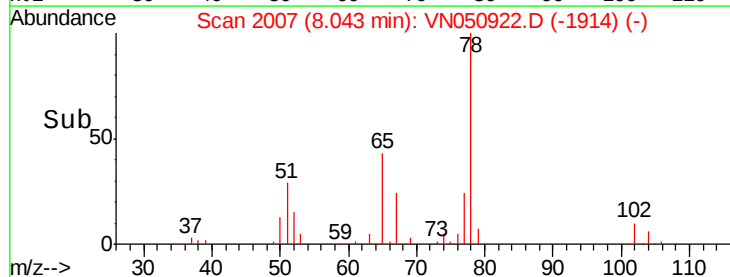
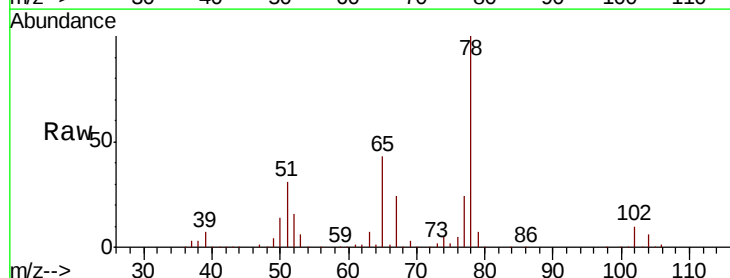
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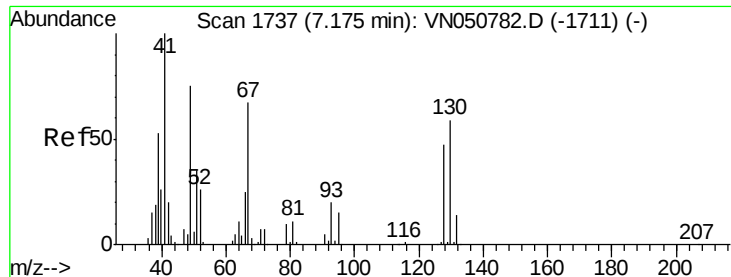
MMDadoda
8/29/2018 11:10:41 AM



#40
Benzene
Concen: 19.77 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050922.D
Acq: 28 Aug 2018 19:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.0	28.4





#41

Methacrylonitrile

Concen: 18.80 ug/l

RT: 7.17 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VN050922.D

Acq: 28 Aug 2018 19:03

Instrument :

MSVOA_N

ClientSampleId :

VN0828WBSD02

Tot Ion: 41 Resp: 59476

Ion Ratio Lower Upper

41 100

39 62.0 45.4 68.0

67 98.9 70.6 106.0

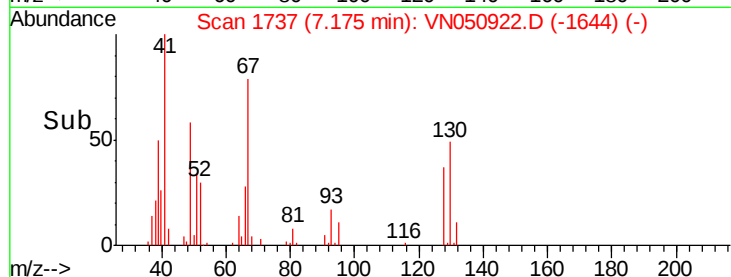
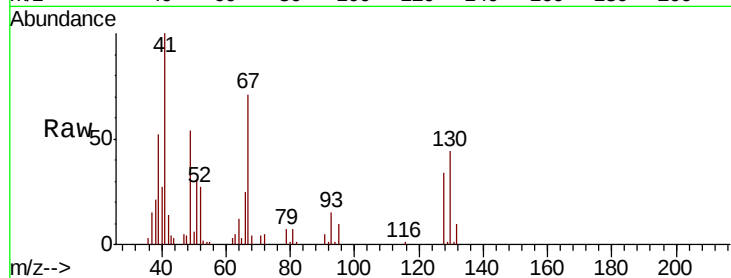
52 39.9 27.1 40.7

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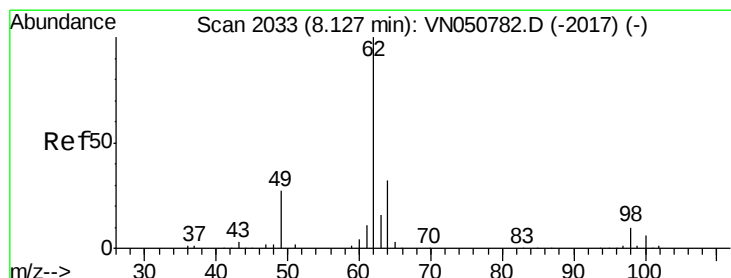
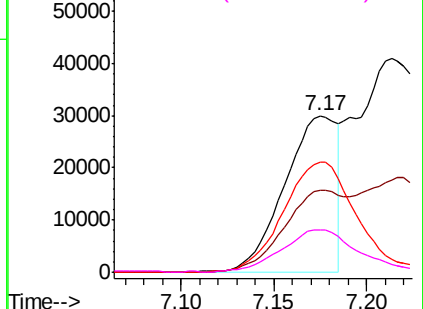


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 20.10 ug/l

RT: 8.13 min Scan# 2034

Delta R.T. 0.00 min

Lab File: VN050922.D

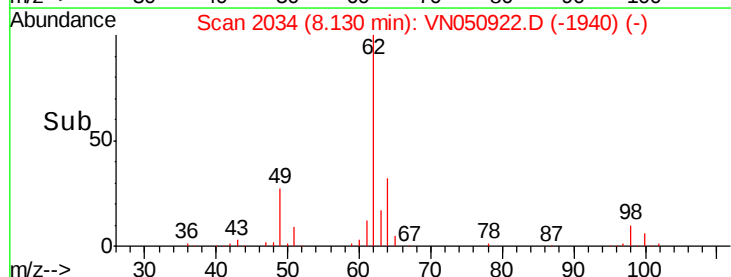
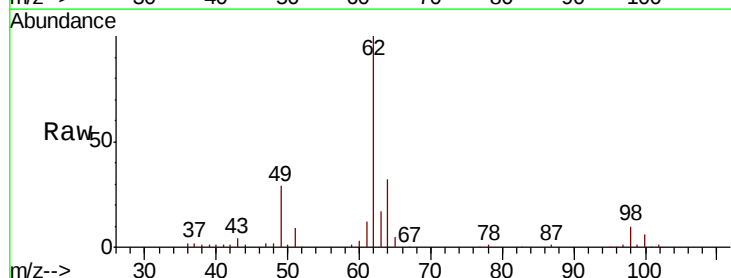
Acq: 28 Aug 2018 19:03

Tgt Ion: 62 Resp: 184406

Ion Ratio Lower Upper

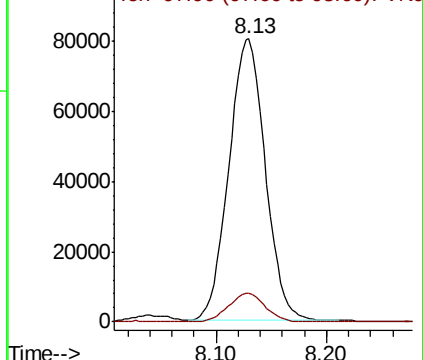
62 100

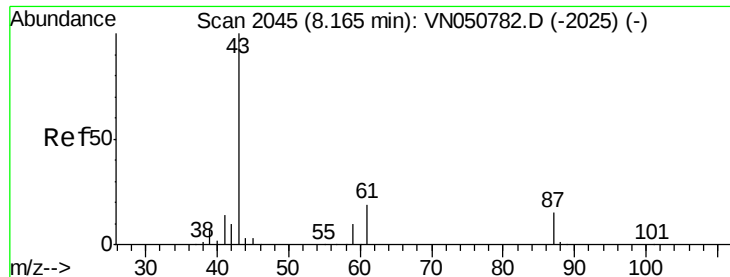
98 10.1 0.0 19.6



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 22.66 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050922.D

Acq: 28 Aug 2018 19:03

Instrument :

MSVOA_N

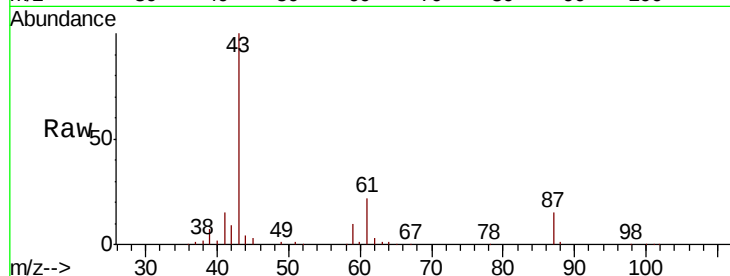
ClientSampleId :

VN0828WBSD02

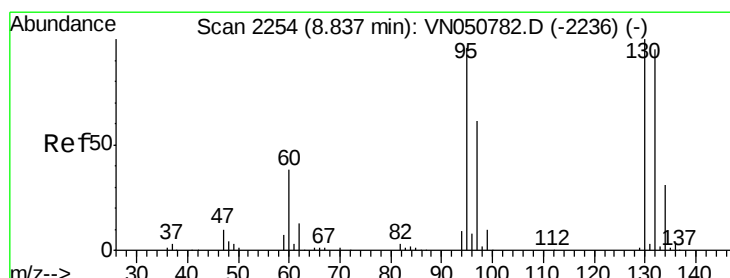
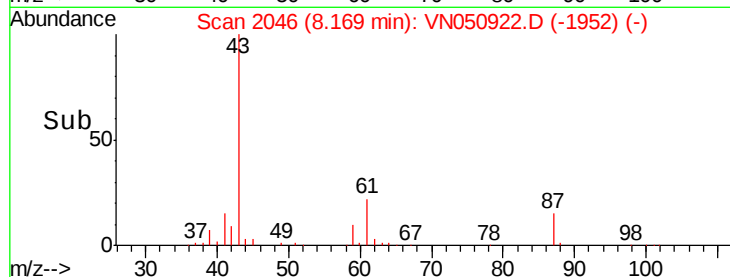
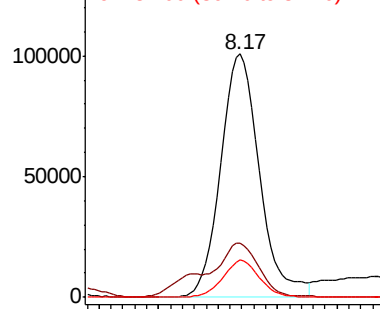
Tot Ion:	43	Resp:	227738
Ion	Ratio	Lower	Upper
43	100		
61	21.5	17.5	26.3
87	14.4	11.3	16.9

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Abundance Ion 43.00 (42.70 to 43.70): VN050922.D (-1952) (-)



#44

Trichloroethene

Concen: 19.55 ug/l

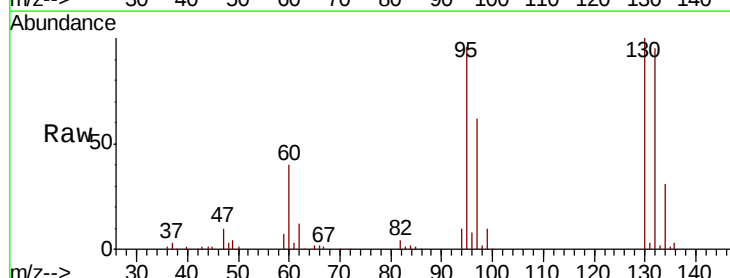
RT: 8.84 min Scan# 2254

Delta R.T. -0.00 min

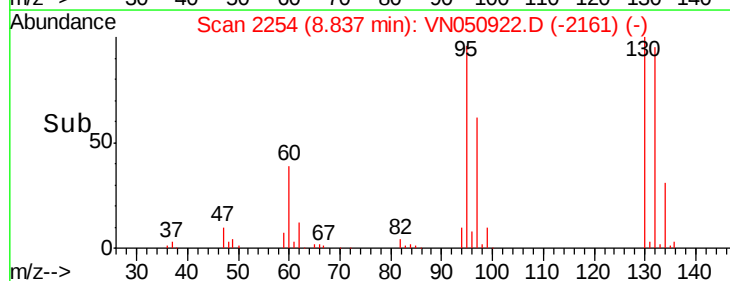
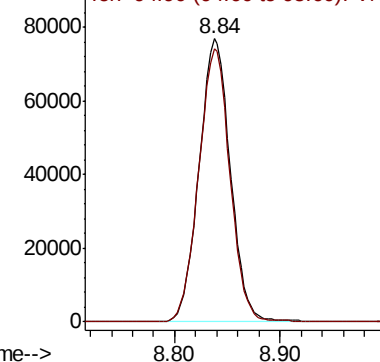
Lab File: VN050922.D

Acq: 28 Aug 2018 19:03

Tgt Ion:	130	Resp:	158218
Ion	Ratio	Lower	Upper
130	100		
95	96.4	0.0	193.0



Abundance Ion 129.80 (129.50 to 130.50): VN050922.D (-2161) (-)





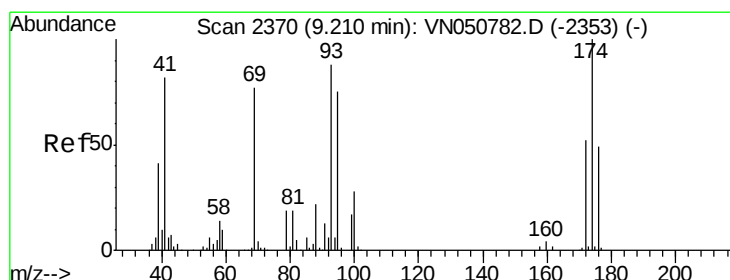
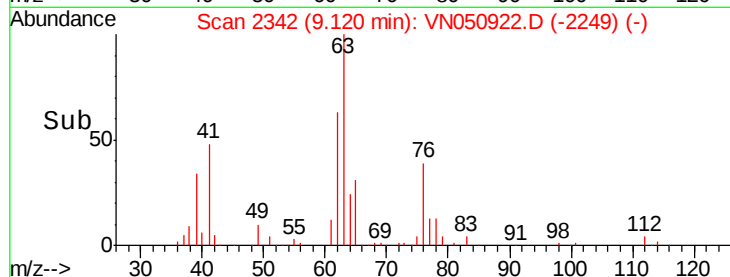
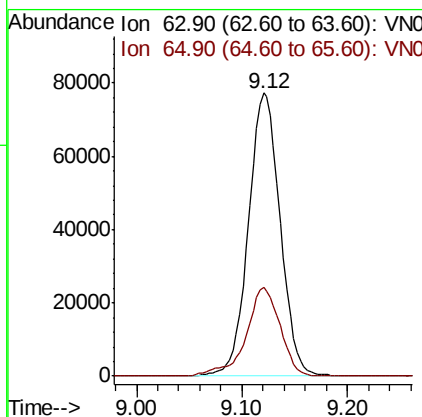
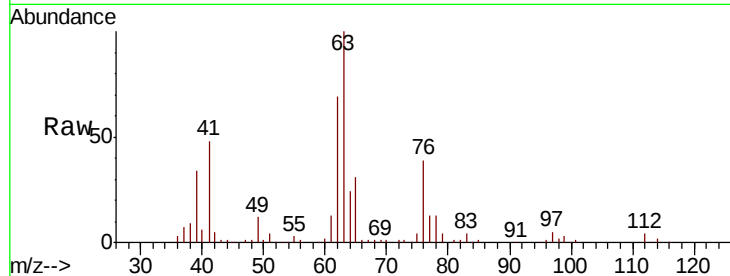
#45
 1,2-Dichloropropane
 Concen: 20.09 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN050922.D
 Acq: 28 Aug 2018 19:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0828WBSD02

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.4	25.0	37.6

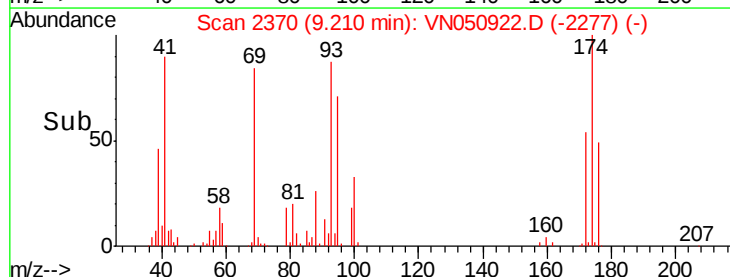
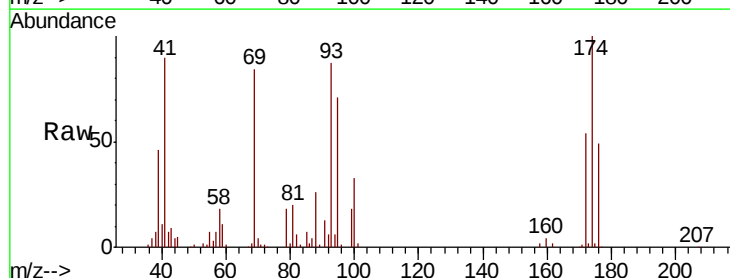
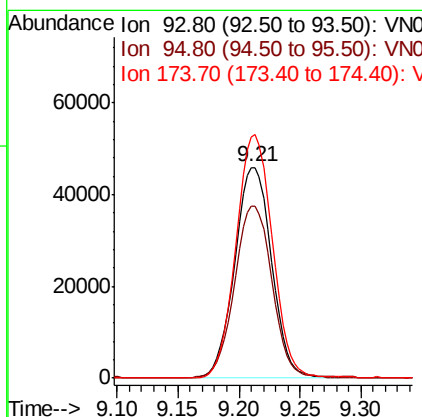
Manual Integrations
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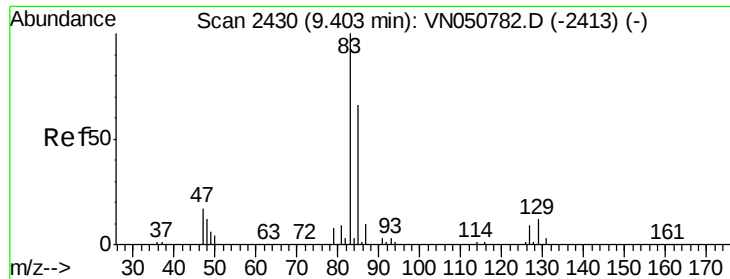
MMDadoda
 8/29/2018 11:10:41 AM



#46
 Dibromomethane
 Concen: 20.32 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN050922.D
 Acq: 28 Aug 2018 19:03

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.9	66.7	100.1
174	113.8	89.8	134.6





#47

Bromodichloromethane

Concen: 20.07 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN050922.D

Acq: 28 Aug 2018 19:03

Instrument :

MSVOA_N

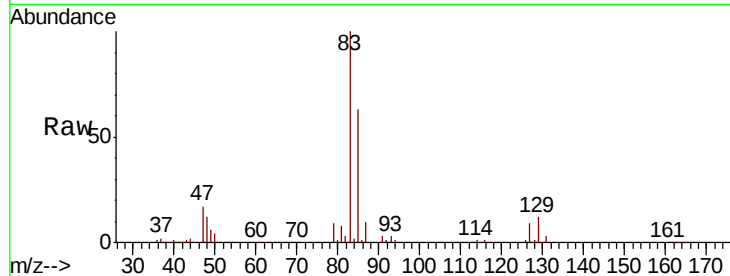
ClientSampleId :

VN0828WBSD02

Tot Ion:	83	Resp:	199189
Ion Ratio	Lower	Upper	
83	100		
85	62.7	52.6	78.8
127	9.1	7.2	10.8

Manual Integrations
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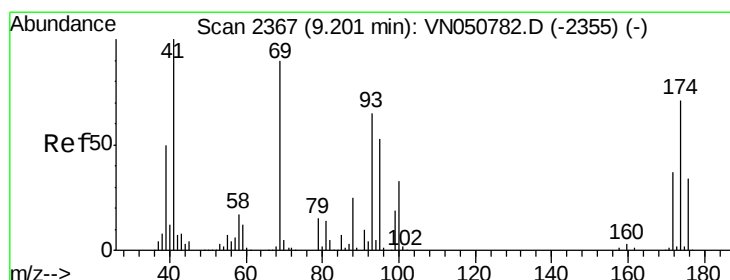
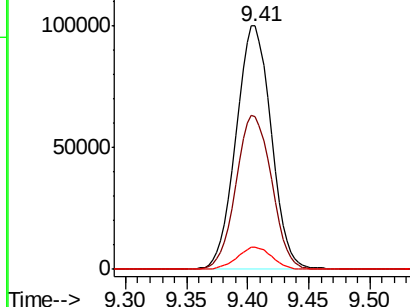
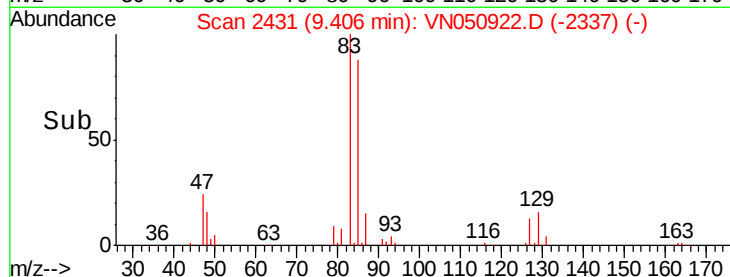


Abundance Ion 82.90 (82.60 to 83.60): VN050922.D (-2413) (-)

Ion 84.90 (84.60 to 85.60): VN050922.D (-2413) (-)

Ion 126.80 (126.50 to 127.50): VN050922.D (-2413) (-)

Time-->



#48

Methyl methacrylate

Concen: 21.86 ug/l

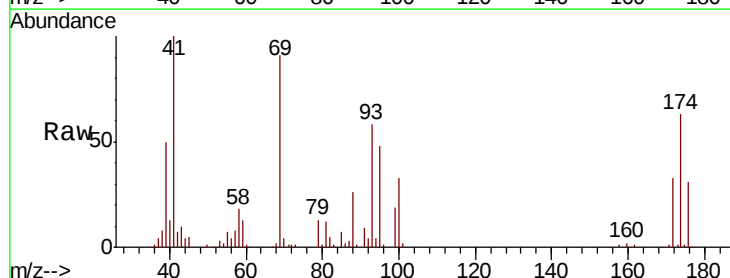
RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN050922.D

Acq: 28 Aug 2018 19:03

Tgt Ion:	41	Resp:	111963
Ion Ratio	Lower	Upper	
41	100		
69	93.3	74.7	112.1
39	51.6	42.2	63.2

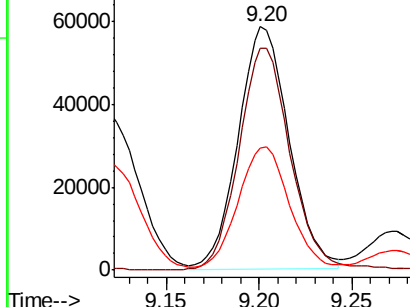
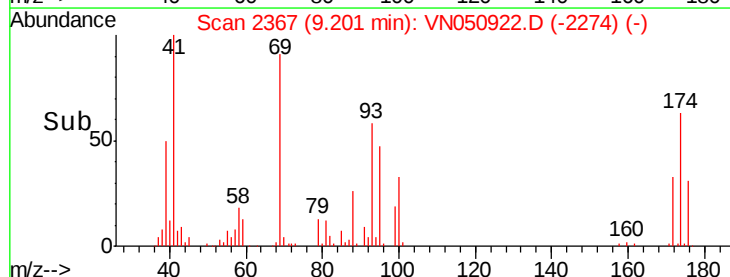


Abundance Ion 41.00 (40.70 to 41.70): VN050922.D (-2355) (-)

Ion 69.00 (68.70 to 69.70): VN050922.D (-2355) (-)

Ion 39.00 (38.70 to 39.70): VN050922.D (-2355) (-)

Time-->





#49

1,4-Dioxane

Concen: 468.91 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN050922.D

Acq: 28 Aug 2018 19:03

Instrument :

MSVOA_N

ClientSampleId :

VN0828WBSD02

Tot Ion: 88 Resp: 32745

Ion Ratio Lower Upper

88 100

43 32.1 25.9 38.9

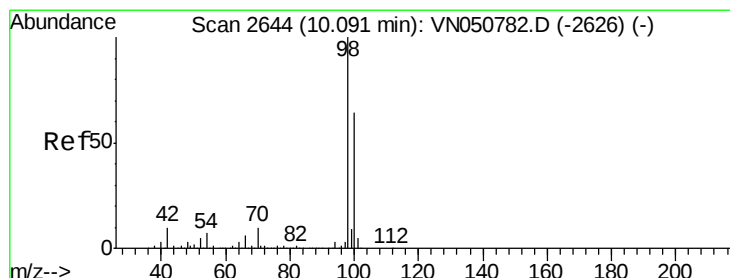
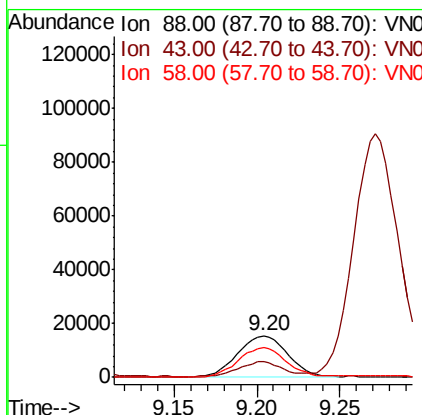
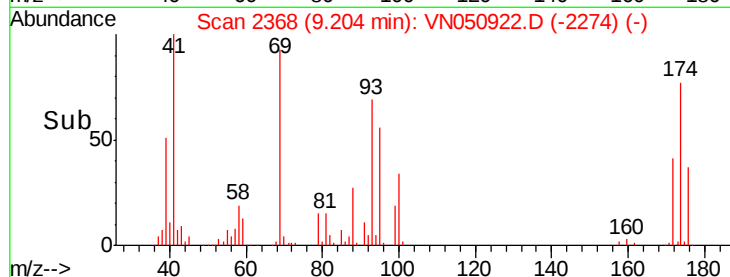
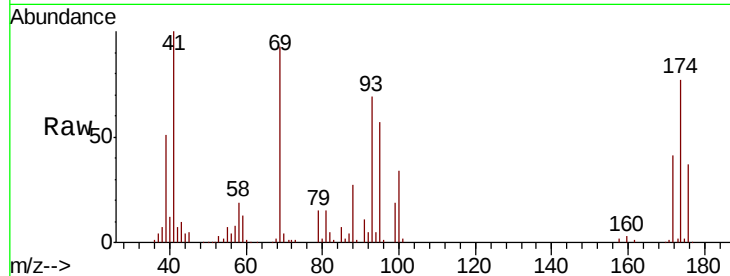
58 68.4 55.0 82.4

Manual Integrations

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#50

Toluene-d8

Concen: 50.72 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050922.D

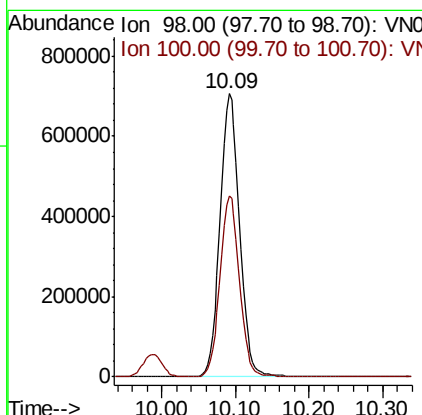
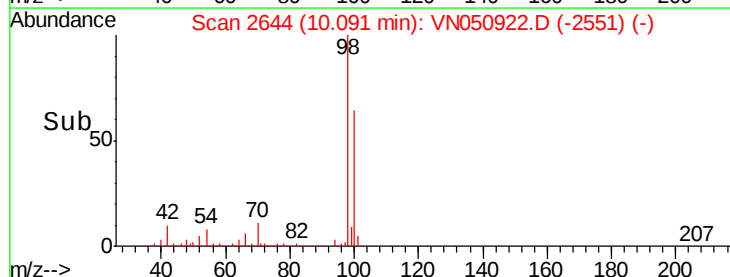
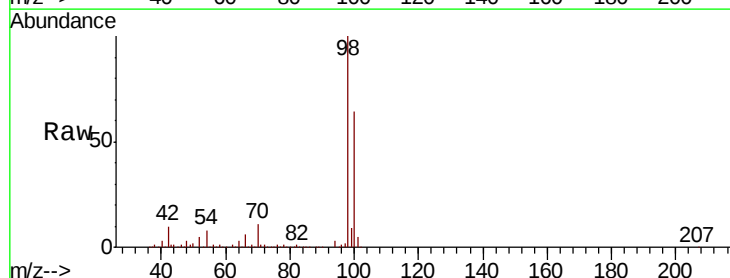
Acq: 28 Aug 2018 19:03

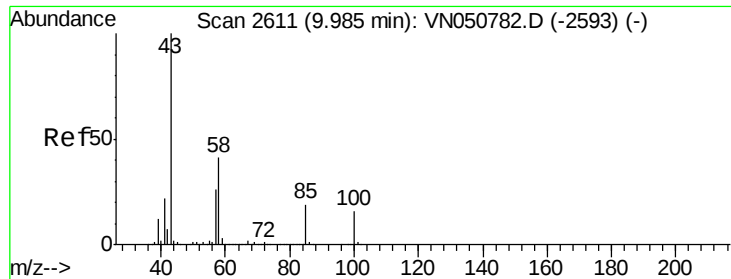
Tgt Ion: 98 Resp: 1301025

Ion Ratio Lower Upper

98 100

100 63.5 51.5 77.3





#51

4-Methyl-2-Pentanone

Concen: 110.13 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN050922.D

Acq: 28 Aug 2018 19:03

Instrument :

MSVOA_N

ClientSampleId :

VN0828WBSD02

Tot Ion: 43 Resp: 660569

Ion Ratio Lower Upper

43 100

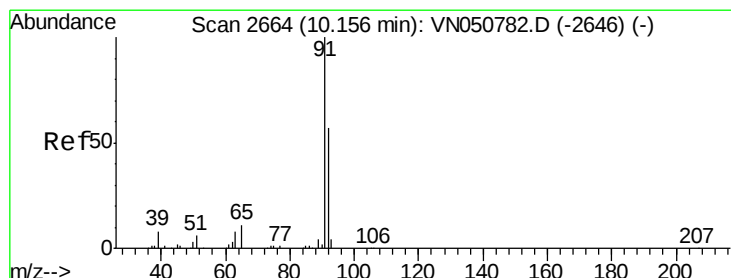
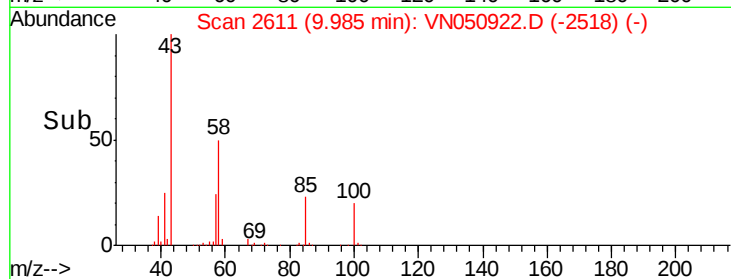
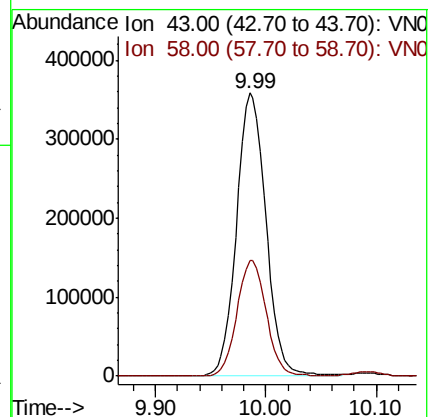
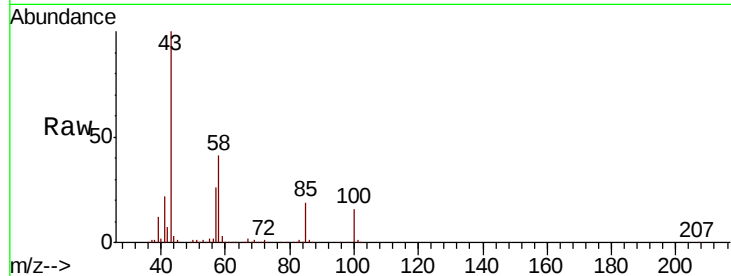
58 41.0 32.4 48.6

Manual Integrations

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8/29/2018 11:10:41 AM



#52

Toluene

Concen: 20.37 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. 0.00 min

Lab File: VN050922.D

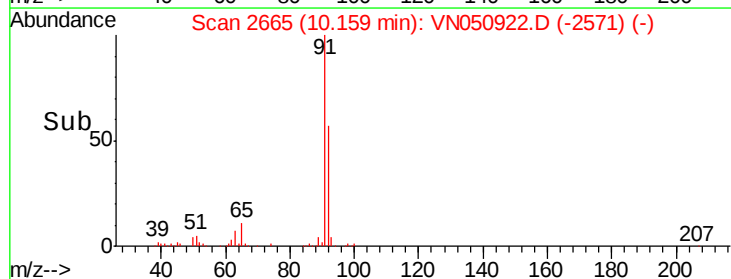
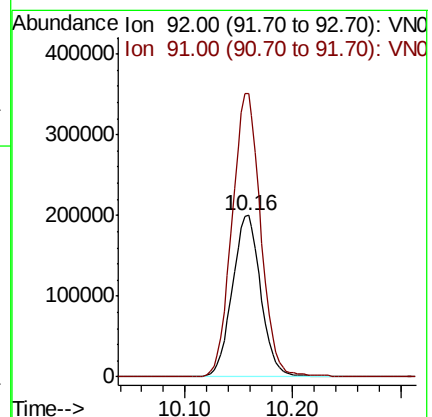
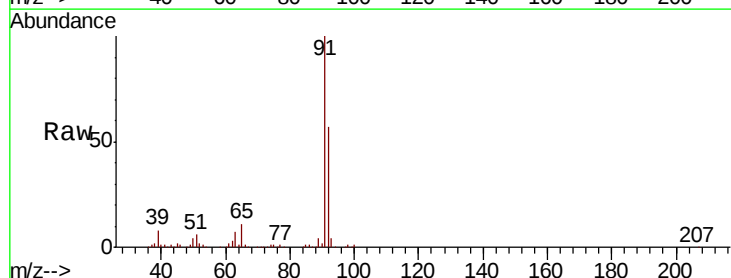
Acq: 28 Aug 2018 19:03

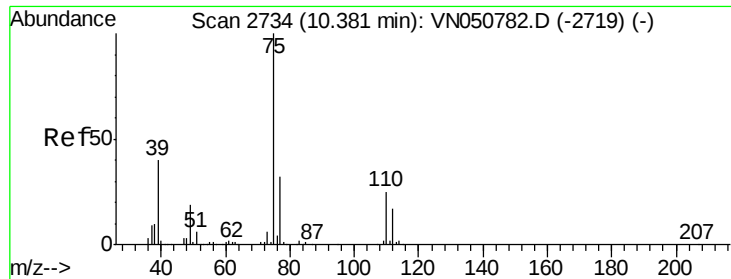
Tgt Ion: 92 Resp: 370378

Ion Ratio Lower Upper

92 100

91 175.9 140.6 211.0





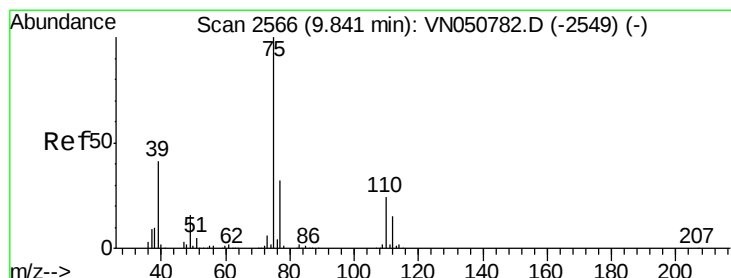
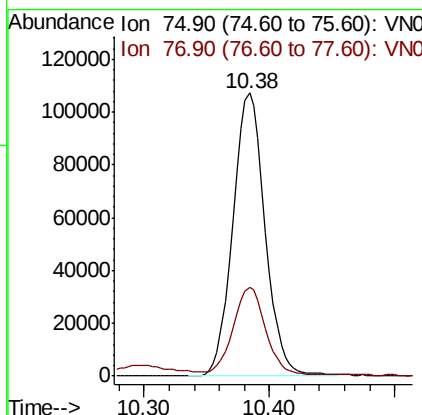
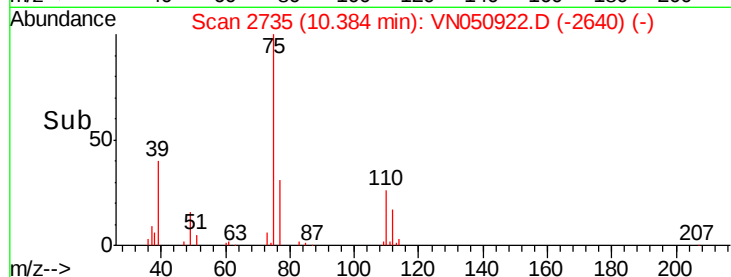
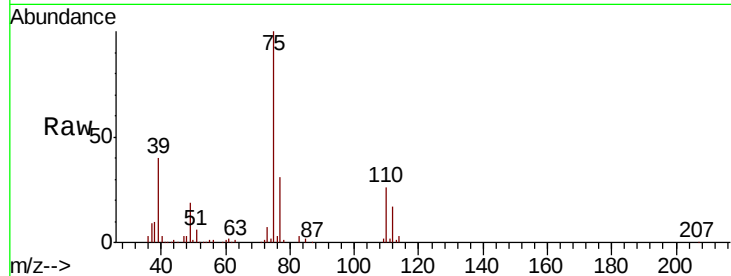
#53
t-1,3-Dichloropropene
Concen: 19.34 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050922.D
Acq: 28 Aug 2018 19:03

Instrument :
MSVOA_N
ClientSampled :
VN0828WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.7	38.5

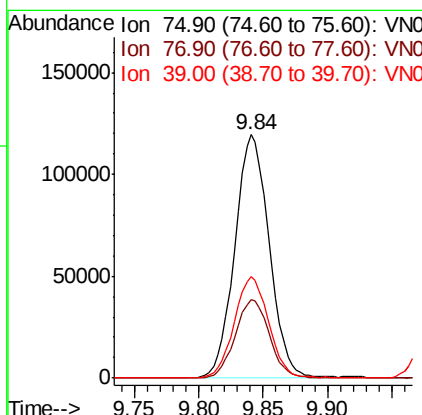
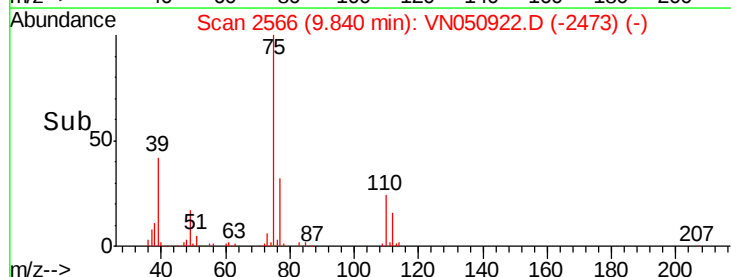
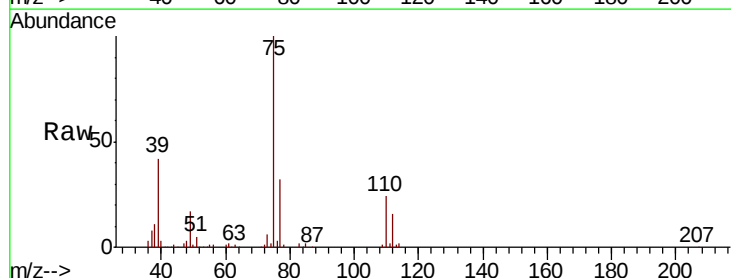
Manual Integrations
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8/29/2018 11:10:41 AM



#54
cis-1,3-Dichloropropene
Concen: 19.59 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VN050922.D
Acq: 28 Aug 2018 19:03

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.4	38.2
39	41.4	33.0	49.4





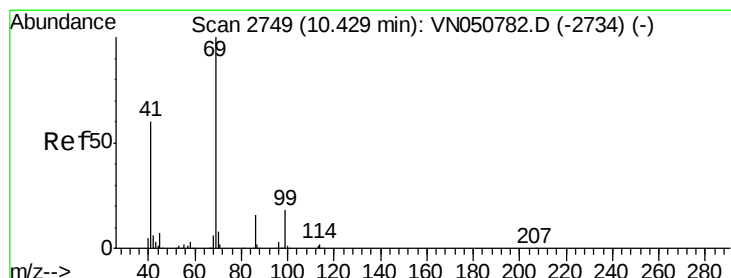
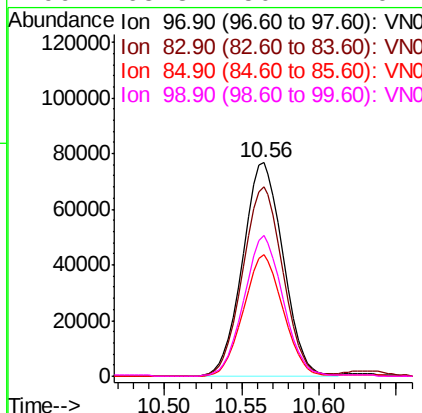
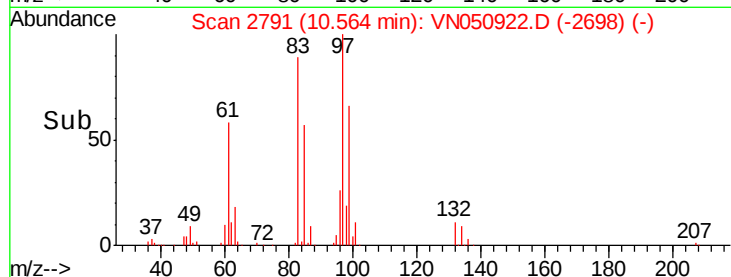
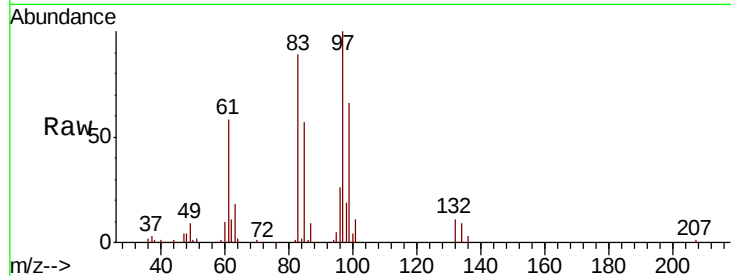
#55
 1,1,2-Trichloroethane
 Concen: 20.77 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050922.D
 Acq: 28 Aug 2018 19:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0828WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		140176		
83	88.8	69.7	104.5		
85	57.0	44.5	66.7		
99	65.8	50.7	76.1		

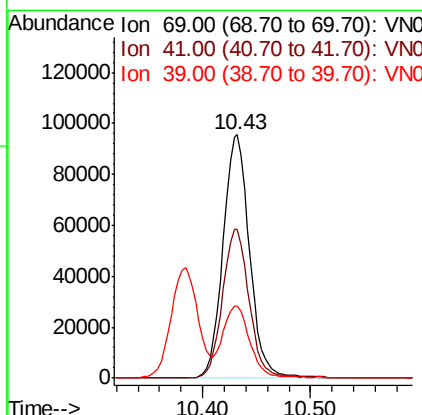
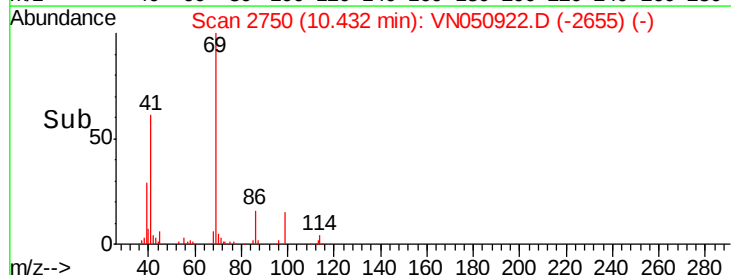
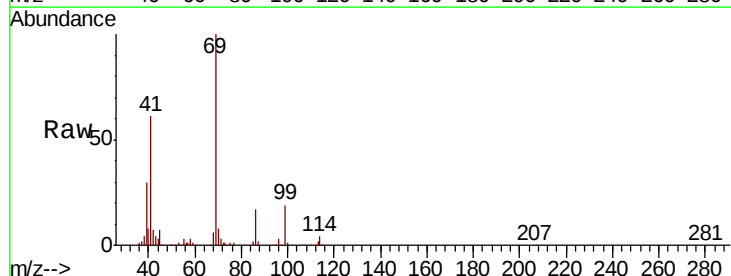
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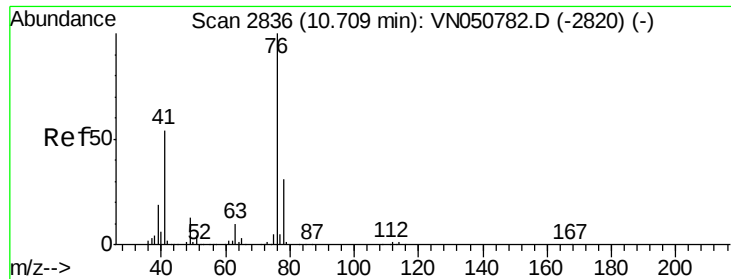
MMDadoda
 8/29/2018 11:10:41 AM



#56
 Ethyl methacrylate
 Concen: 20.08 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050922.D
 Acq: 28 Aug 2018 19:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		163262		
41	60.6	48.3	72.5		
39	29.6	24.0	36.0		





#57

1,3-Dichloropropane

Concen: 20.71 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN050922.D

Acq: 28 Aug 2018 19:03

Instrument :

MSVOA_N

ClientSampleId :

VN0828WBSD02

Tot Ion: 76 Resp: 230645

Ion Ratio Lower Upper

76 100

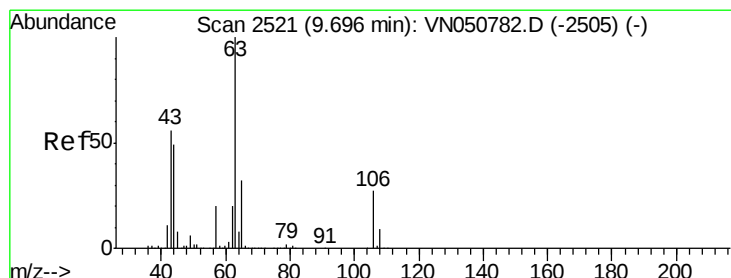
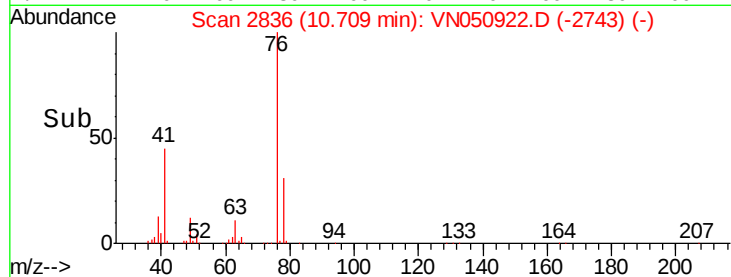
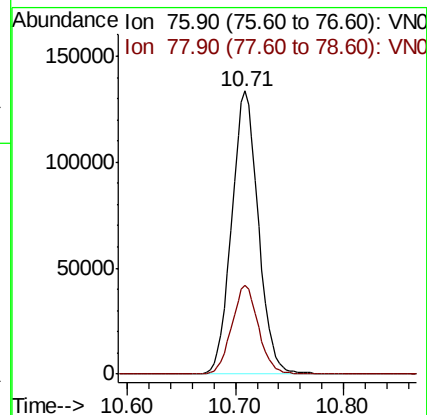
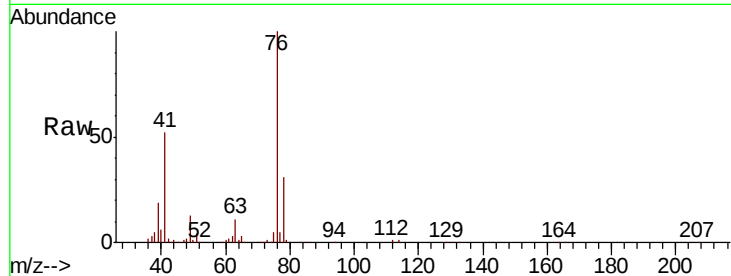
78 31.4 25.5 38.3

Manual Integrations

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MMDadoda

8/29/2018 11:10:41 AM



#58

2-Chloroethyl Vinyl ether

Concen: 96.34 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN050922.D

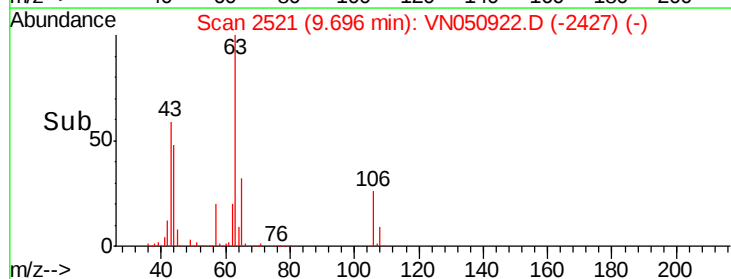
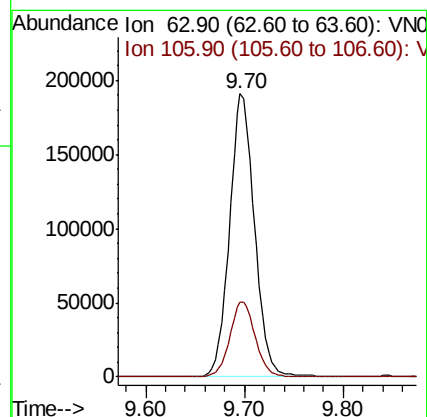
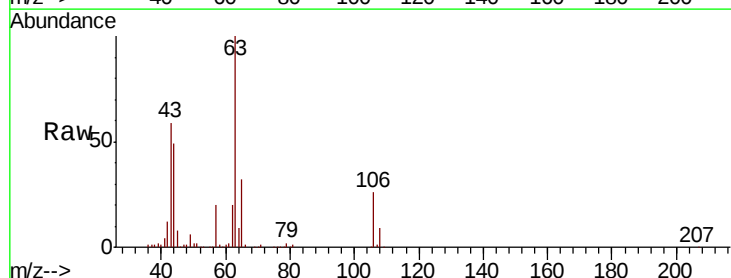
Acq: 28 Aug 2018 19:03

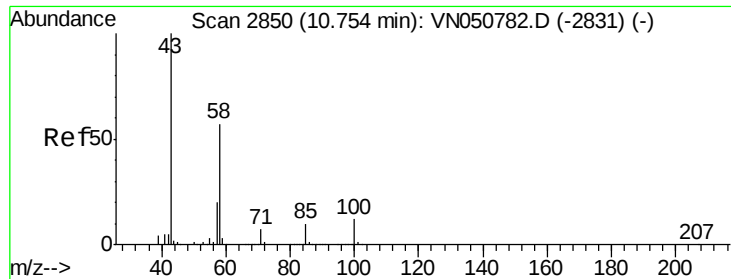
Tgt Ion: 63 Resp: 338725

Ion Ratio Lower Upper

63 100

106 27.0 21.9 32.9





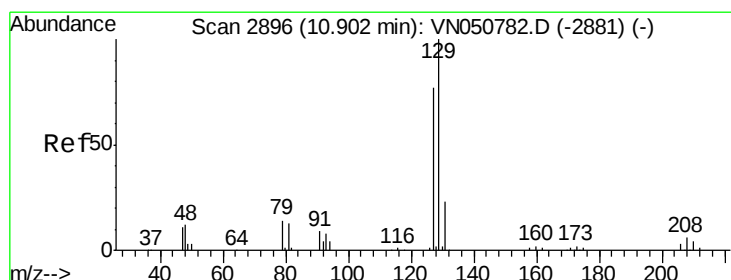
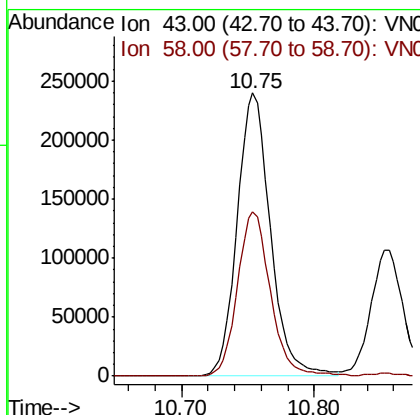
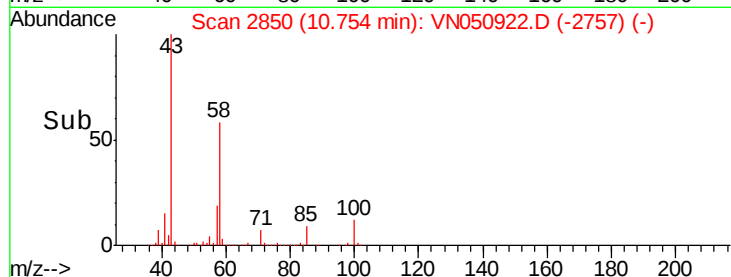
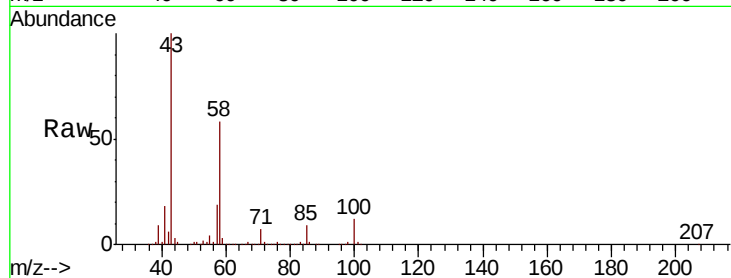
#59
2-Hexanone
Concen: 104.45 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050922.D
Acq: 28 Aug 2018 19:03

Instrument :
MSVOA_N
ClientSampled :
VN0828WBSD02

Tot Ion	43	Resp	417102
Ion Ratio	100	Lower	Upper
43	100		
58	57.8	28.3	85.0

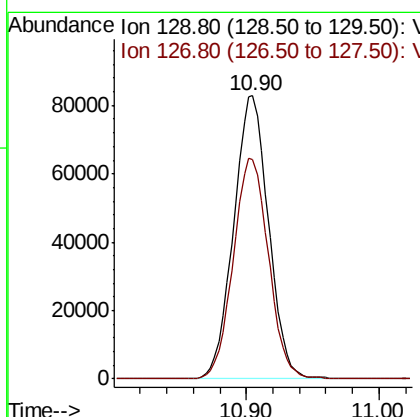
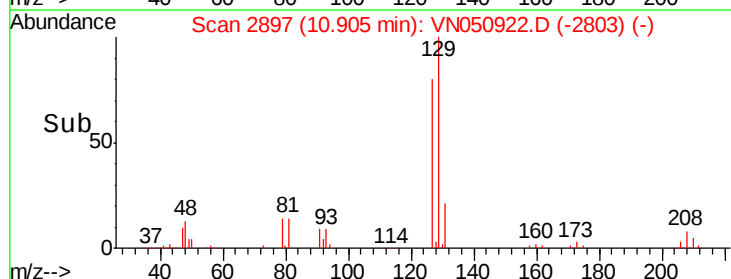
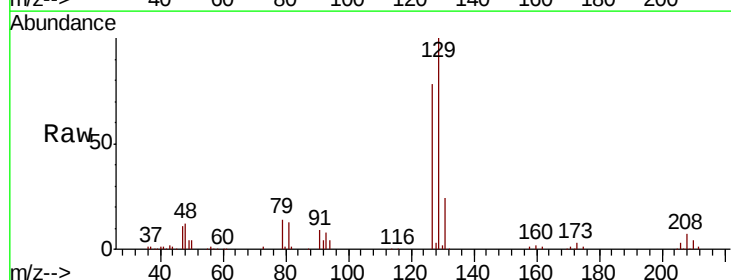
Manual Integrations
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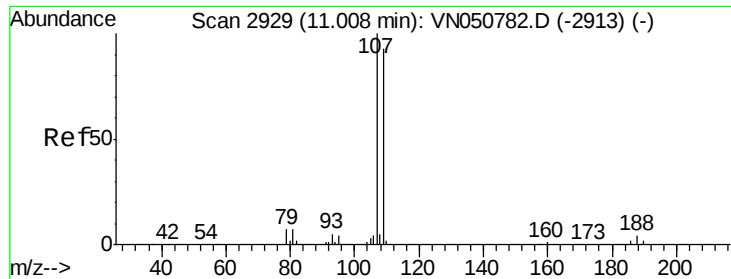
MMDadoda
8/29/2018 11:10:41 AM



#60
Dibromochloromethane
Concen: 20.02 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050922.D
Acq: 28 Aug 2018 19:03

Tgt Ion	129	Resp	151282
Ion Ratio	100	Lower	Upper
129	100		
127	78.9	38.3	114.9





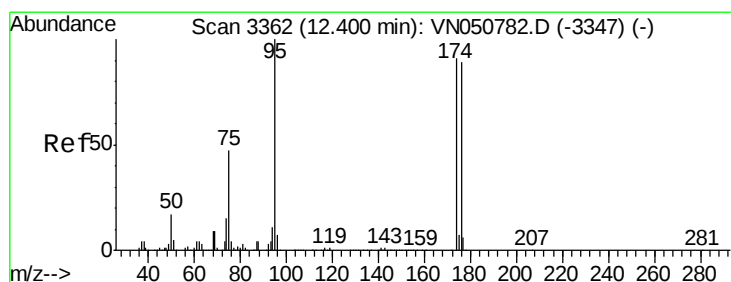
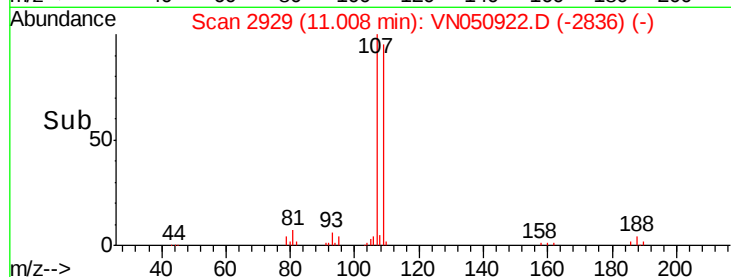
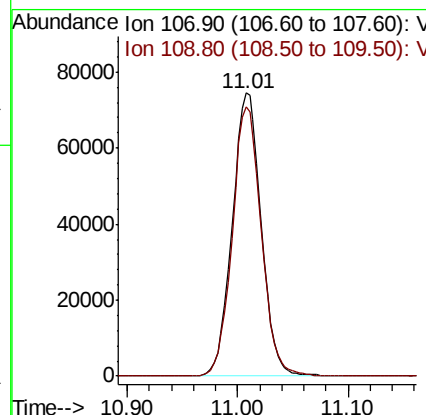
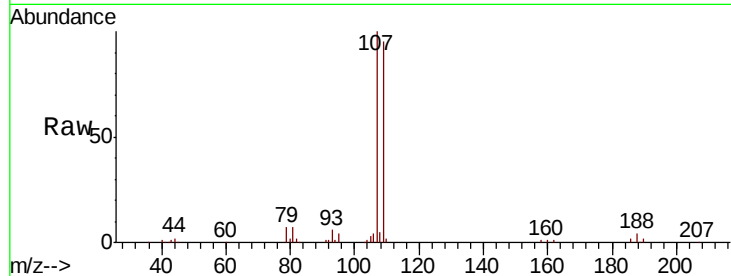
#61
 1,2-Dibromoethane
 Concen: 20.75 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN050922.D
 Acq: 28 Aug 2018 19:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0828WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
107	100	135359		
109	95.4	75.4	113.2	

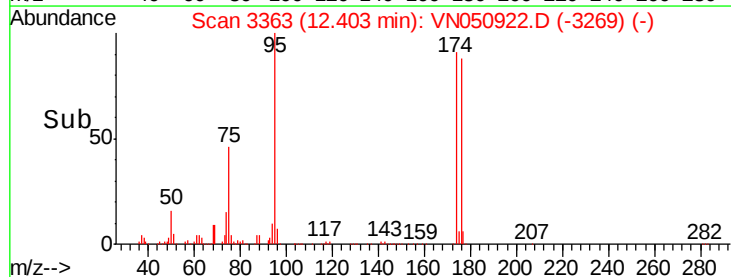
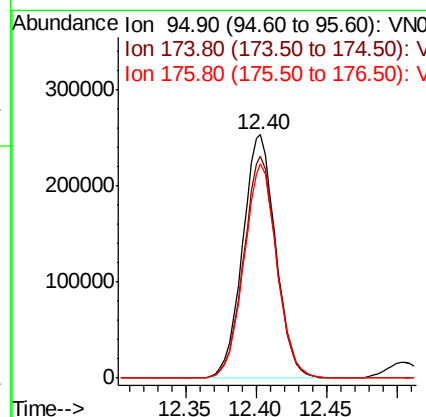
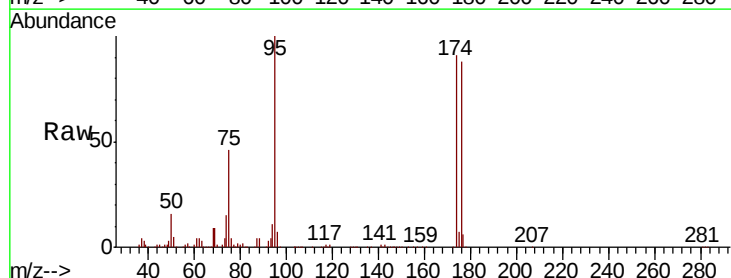
Manual Integrations
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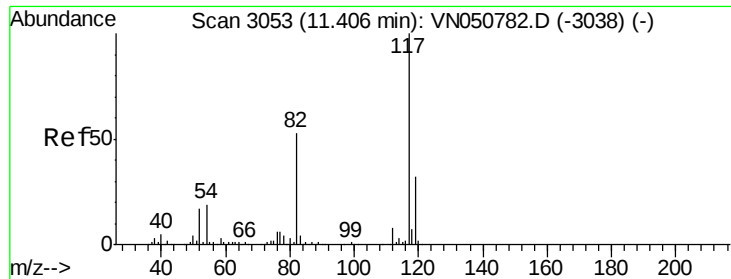
MMDadoda
 8/29/2018 11:10:41 AM



#62
 4-Bromofluorobenzene
 Concen: 48.63 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050922.D
 Acq: 28 Aug 2018 19:03

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	414487		
174	91.1	0.0	183.0	
176	87.6	0.0	178.8	





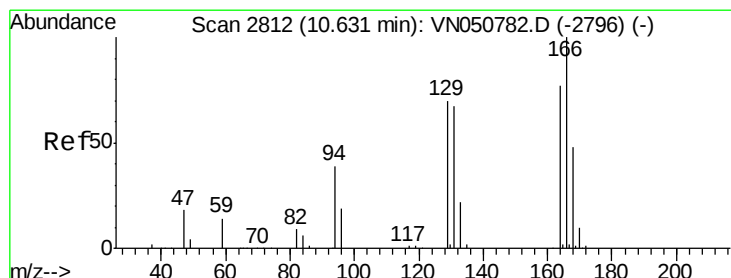
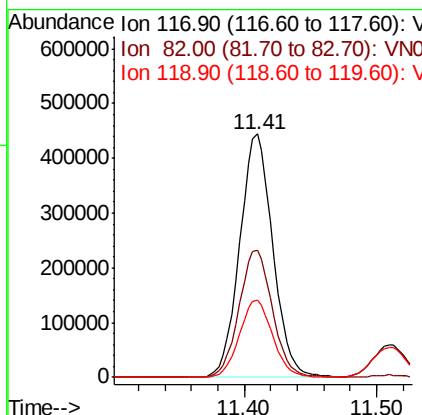
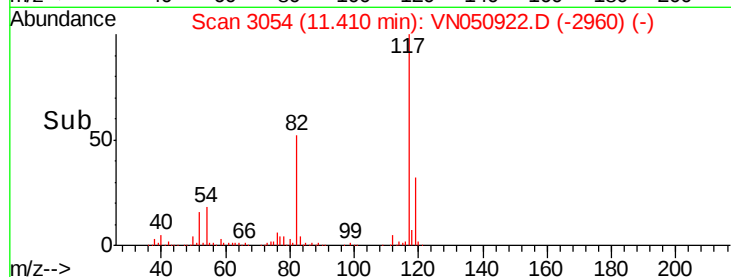
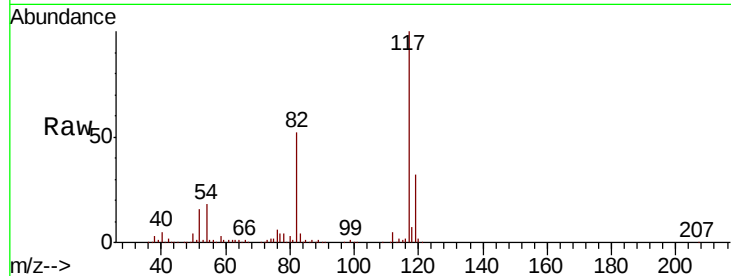
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050922.D
Acq: 28 Aug 2018 19:03

Instrument :
MSVOA_N
ClientSampleId :
VN0828WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.2	42.6	64.0
119	31.8	25.8	38.6

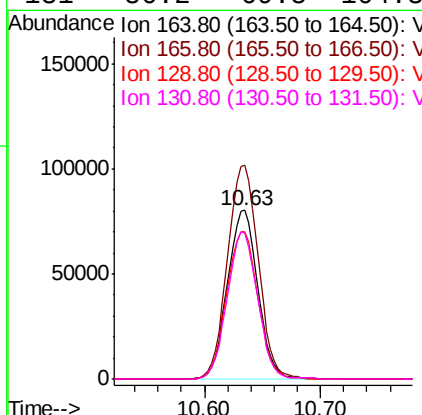
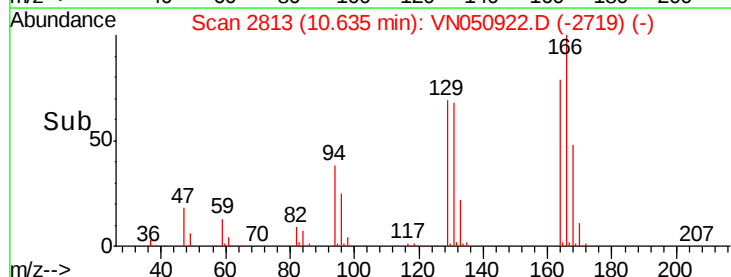
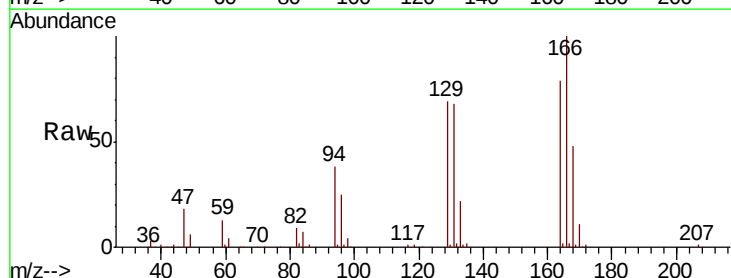
Manual Integrations
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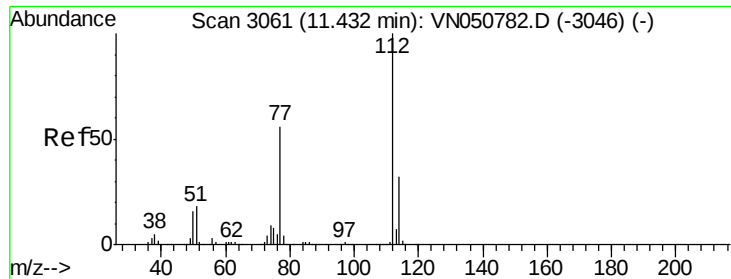
MMDadoda
8/29/2018 11:10:41 AM



#64
Tetrachloroethene
Concen: 19.84 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN050922.D
Acq: 28 Aug 2018 19:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.4	103.5	155.3
129	87.4	72.7	109.1
131	86.2	69.5	104.3





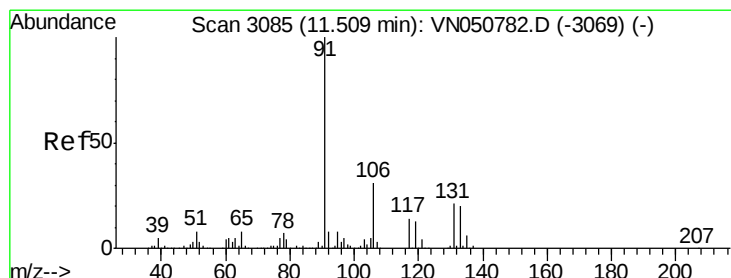
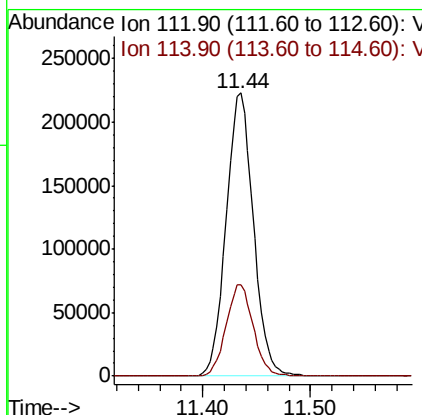
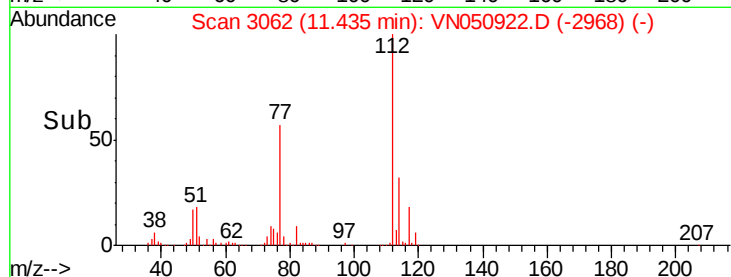
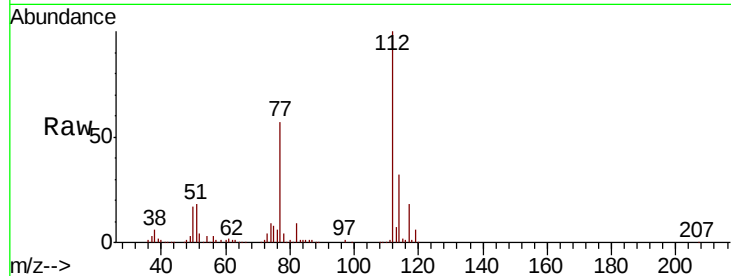
#65
Chlorobenzene
Concen: 19.52 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050922.D
Acq: 28 Aug 2018 19:03

Instrument :
MSVOA_N
ClientSampleId :
VN0828WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
112	100	392928		
114	32.4	25.6	38.4	

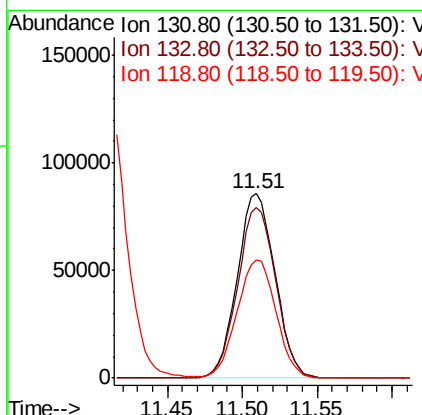
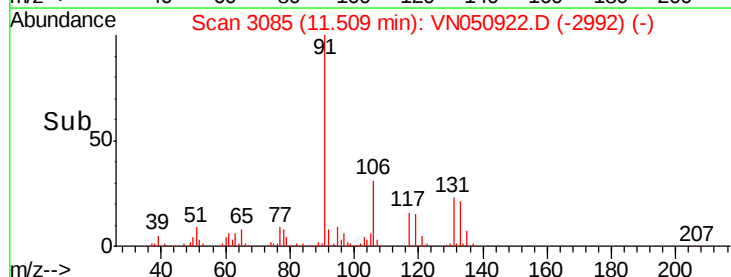
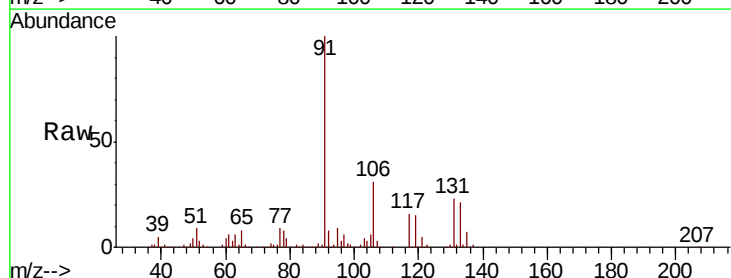
Manual Integrations
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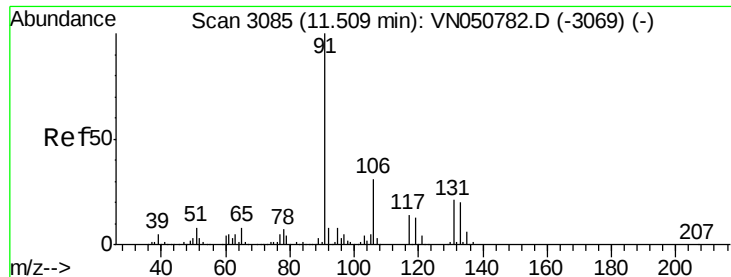
MMDadoda
8/29/2018 11:10:41 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.47 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050922.D
Acq: 28 Aug 2018 19:03

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	150720		
133	93.6	47.4	142.3	
119	66.0	32.8	98.4	





#67

Ethyl Benzene

Concen: 20.11 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050922.D

Acq: 28 Aug 2018 19:03

Instrument :

MSVOA_N

ClientSampled :

VN0828WBSD02

Tot Ion: 91 Resp: 658163

Ion Ratio Lower Upper

91 100

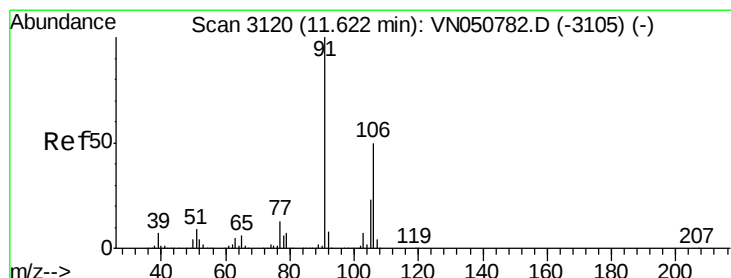
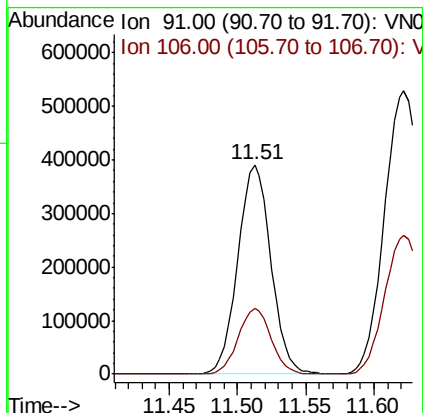
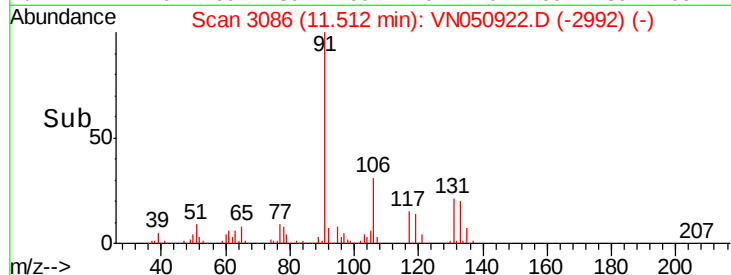
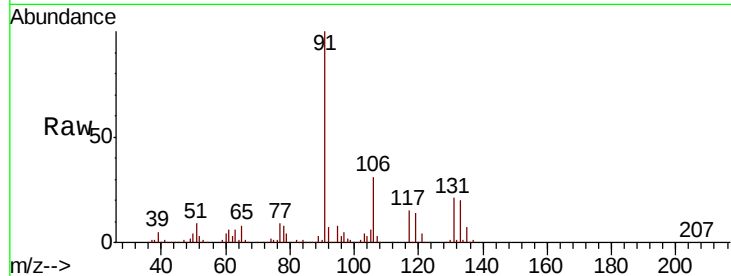
106 31.2 25.0 37.4

Manual Integrations

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MMDadoda

8/29/2018 11:10:41 AM



#68

m/p-Xylenes

Concen: 41.02 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050922.D

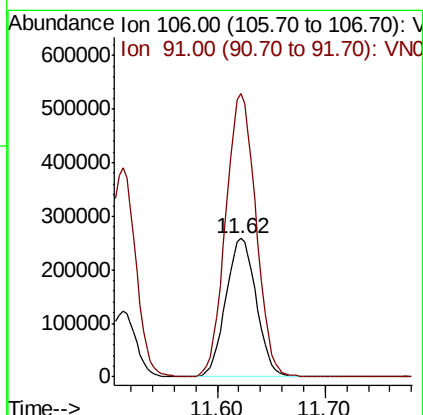
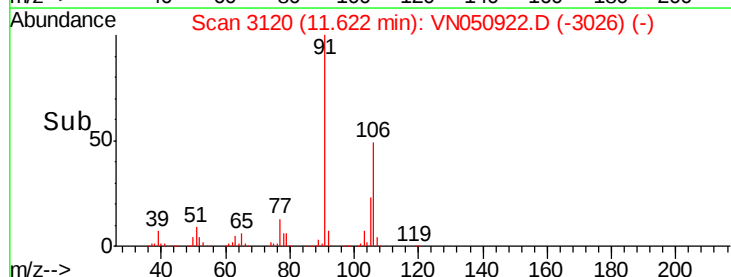
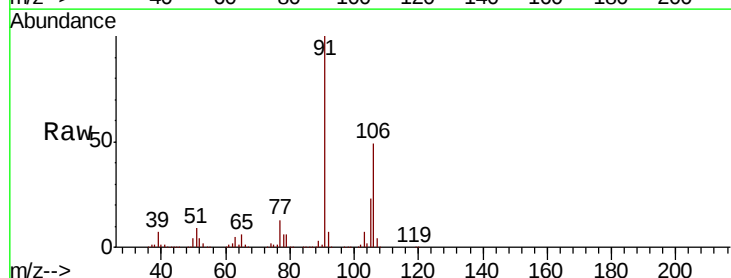
Acq: 28 Aug 2018 19:03

Tgt Ion: 106 Resp: 509422

Ion Ratio Lower Upper

106 100

91 202.7 161.0 241.6





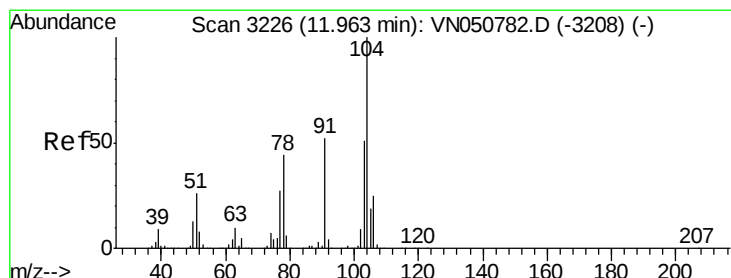
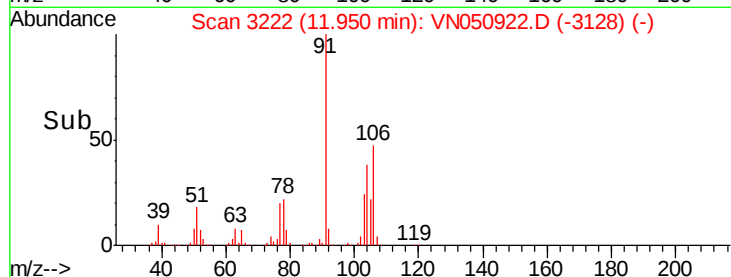
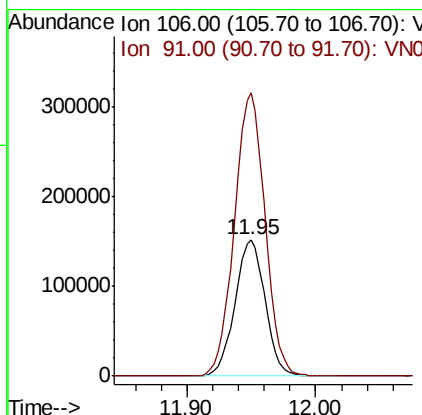
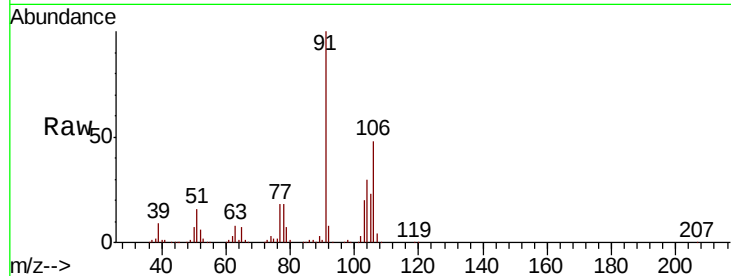
#69
o-Xylene
Concen: 20.66 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050922.D
Acq: 28 Aug 2018 19:03

Instrument :
MSVOA_N
ClientSampleId :
VN0828WBSD02

Tot Ion	Ratio	Lower	Upper
106	100		
91	211.3	106.5	319.5

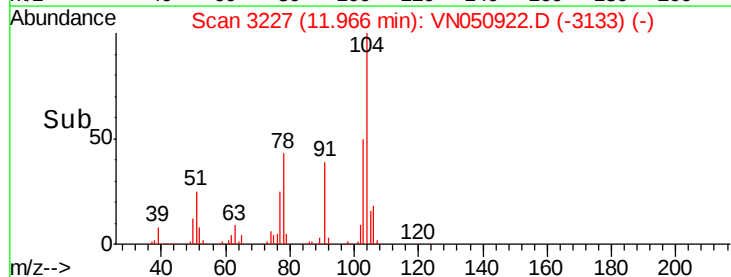
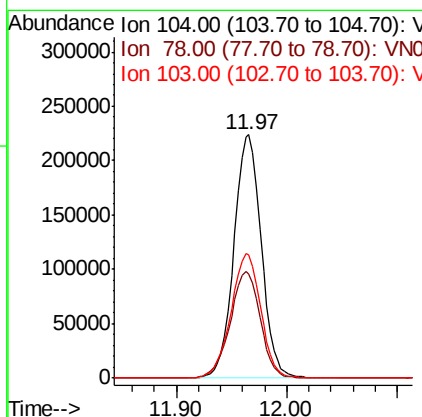
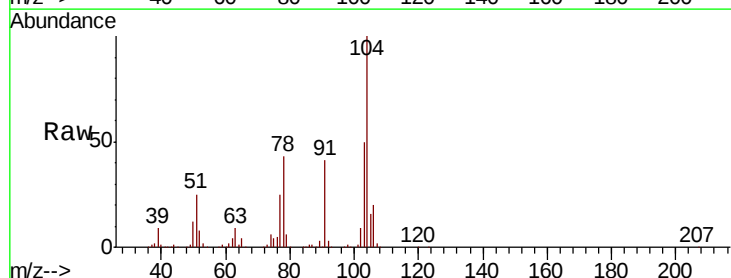
Manual Integrations
APPROVED

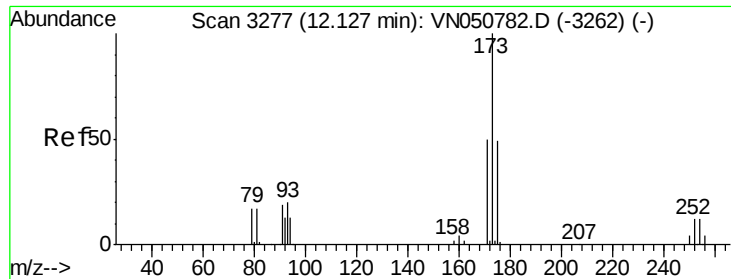
MMDadoda
8/29/2018 11:10:41 AM



#70
Styrene
Concen: 19.09 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050922.D
Acq: 28 Aug 2018 19:03

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.3	38.2	57.4
103	55.8	44.4	66.6





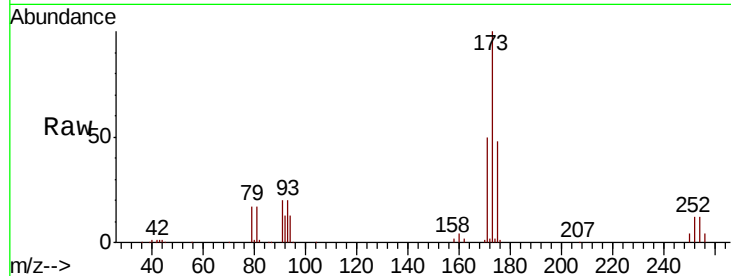
#71
Bromoform
Concen: 21.29 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050922.D
Acq: 28 Aug 2018 19:03

Instrument :
MSVOA_N
ClientSampleId :
VN0828WBSD02

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.4	73.4
254	0.0	0.1	0.1#

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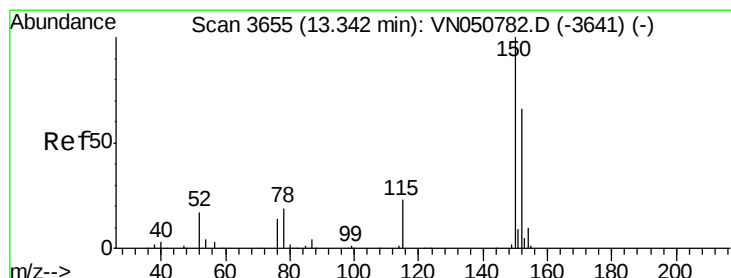
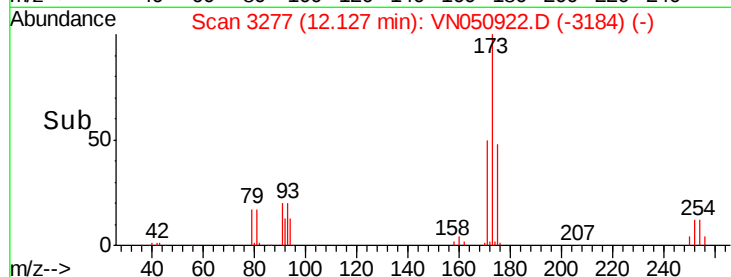
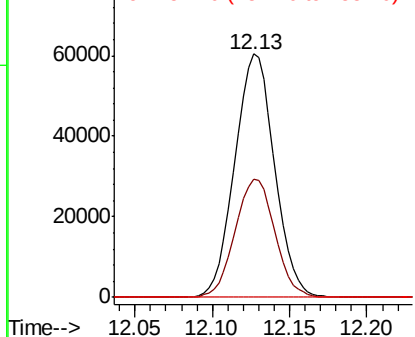


Abundance

Ion 172.70 (172.40 to 173.40): V

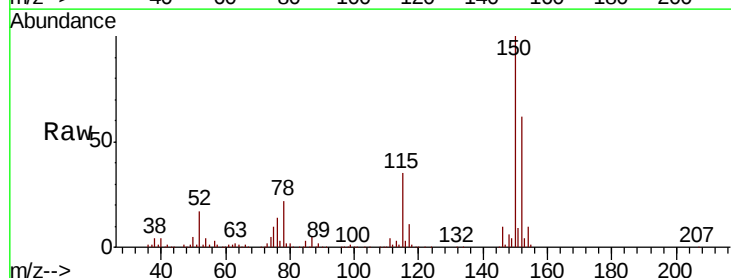
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050922.D
Acq: 28 Aug 2018 19:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.7	27.8	83.4
150	166.4	0.0	351.4

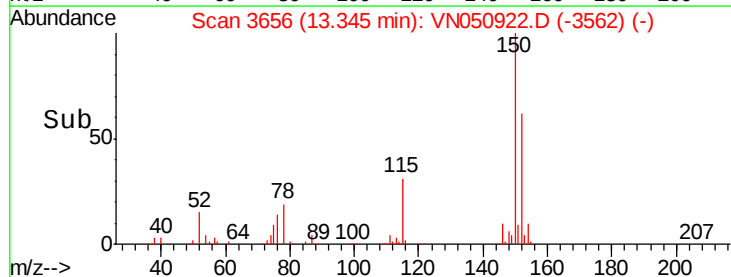
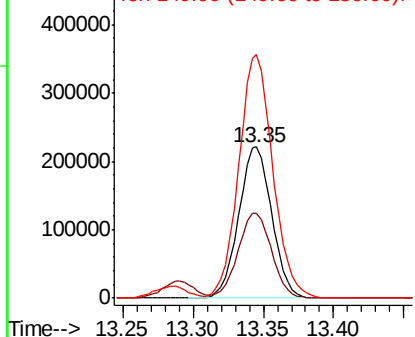


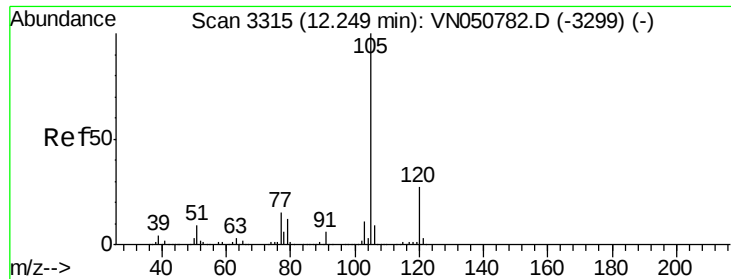
Abundance

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





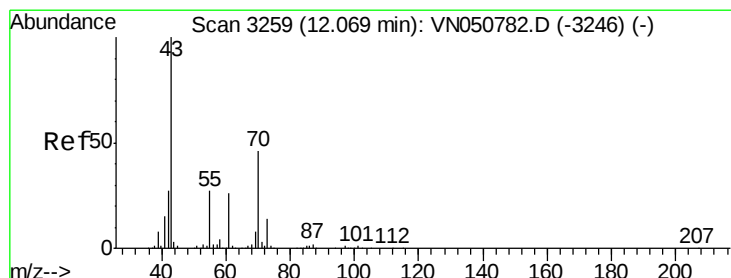
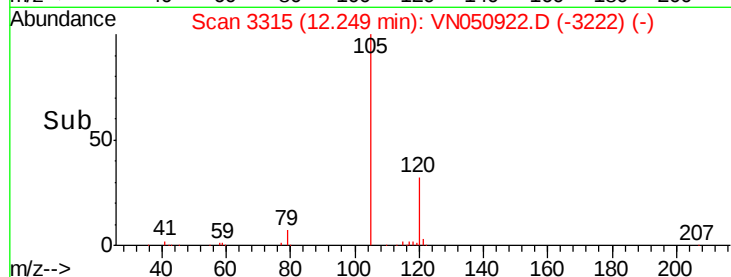
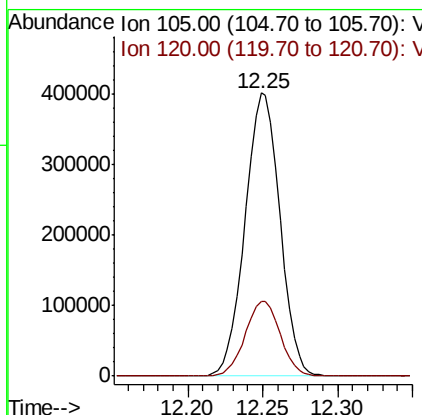
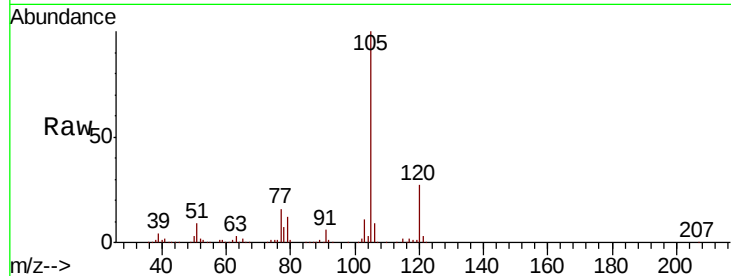
#73
Isopropylbenzene
Concen: 21.70 ug/l
RT: 12.25 min Scan# 3315
Delta R.T. -0.00 min
Lab File: VN050922.D
Acq: 28 Aug 2018 19:03

Instrument :
MSVOA_N
ClientSampleId :
VN0828WBSD02

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.5	40.4

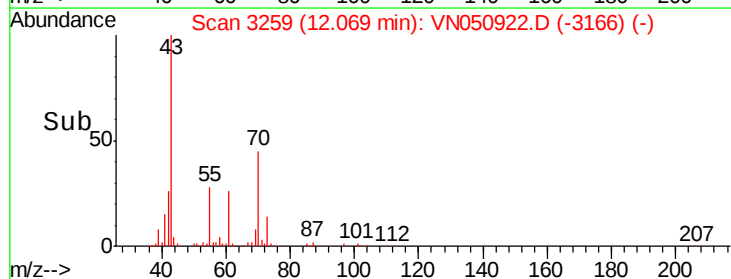
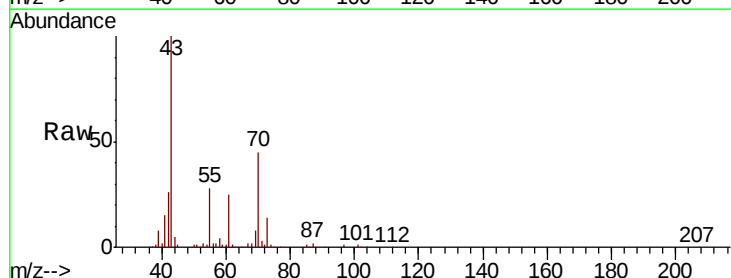
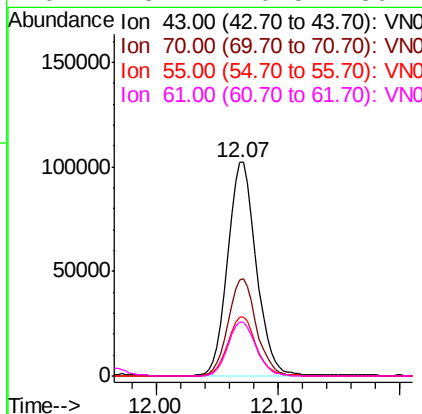
Manual Integrations
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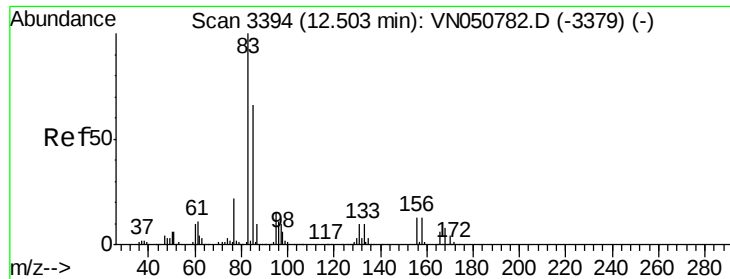
MMDadoda
8/29/2018 11:10:41 AM



#74
N-ethyl acetate
Concen: 22.21 ug/l
RT: 12.07 min Scan# 3259
Delta R.T. -0.00 min
Lab File: VN050922.D
Acq: 28 Aug 2018 19:03

Tgt Ion	Ratio	Lower	Upper
43	100		
70	45.2	36.2	54.2
55	27.7	21.8	32.8
61	25.1	20.5	30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 24.36 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050922.D

Acq: 28 Aug 2018 19:03

Instrument :

MSVOA_N

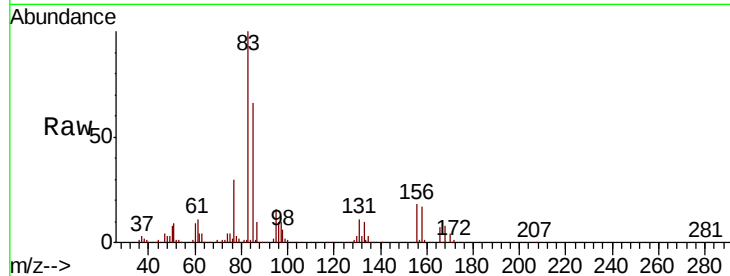
ClientSampleId :

VN0828WBSD02

Tot Ion:	83	Resp:	180284
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.3	15.9
85	65.3	31.9	95.7

Manual Integrations
APPROVED

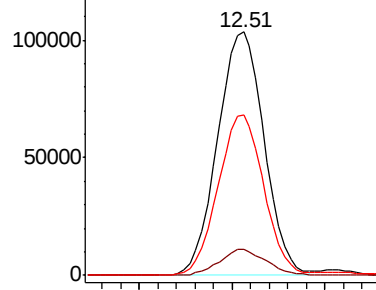
MMDadoda
8/29/2018 11:10:41 AM



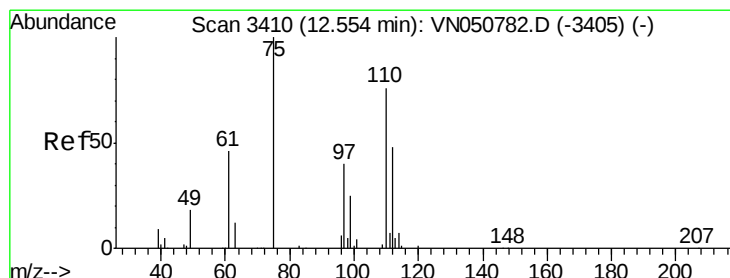
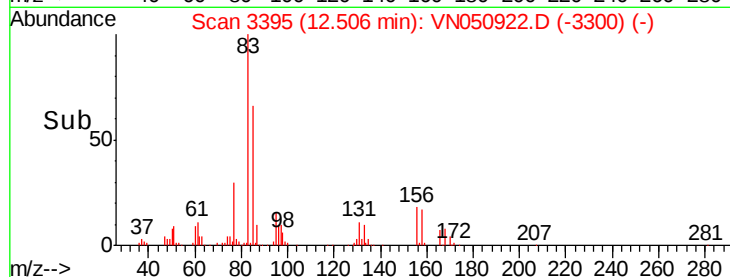
Abundance Ion 82.90 (82.60 to 83.60): VN050922.D (-3300) (-)

Ion 130.80 (130.50 to 131.50): VN050922.D (-3300) (-)

Ion 84.90 (84.60 to 85.60): VN050922.D (-3300) (-)



Time-->



#76

1,2,3-Trichloropropane

Concen: 24.05 ug/l m

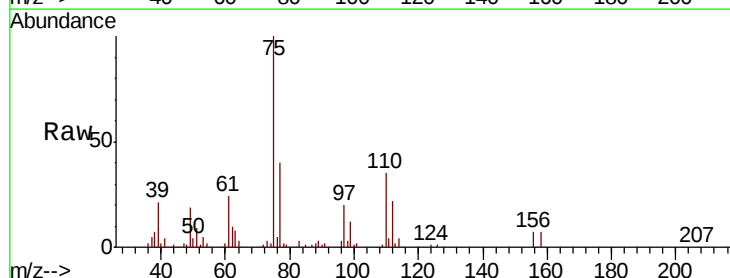
RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN050922.D

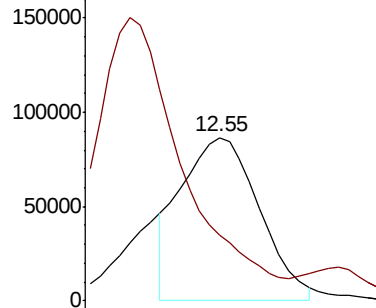
Acq: 28 Aug 2018 19:03

Tgt Ion:	75	Resp:	152651
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0

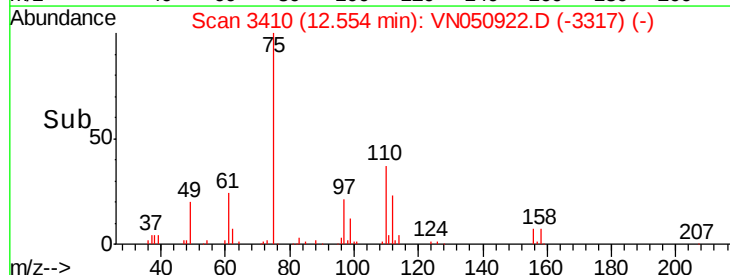


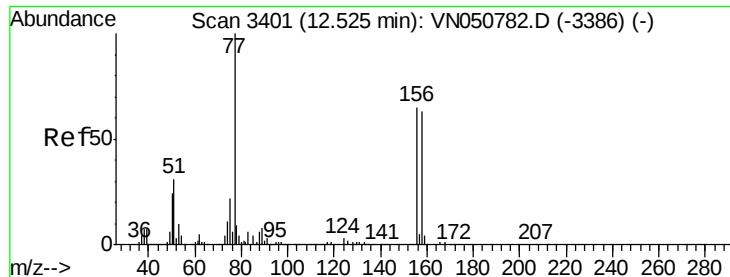
Abundance Ion 74.90 (74.60 to 75.60): VN050922.D (-3317) (-)

Ion 77.00 (76.70 to 77.70): VN050922.D (-3317) (-)



Time-->





#77

Bromobenzene

Concen: 20.70 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050922.D

Acq: 28 Aug 2018 19:03

Instrument :

MSVOA_N

ClientSampleId :

VN0828WBSD02

Tot Ion:156 Resp: 168826

Ion Ratio Lower Upper

156 100

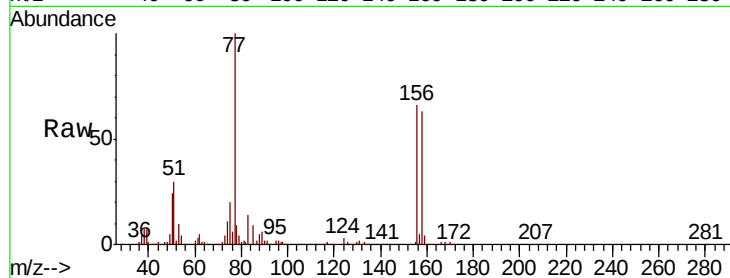
77 179.5 89.9 269.7

158 97.1 49.3 147.9

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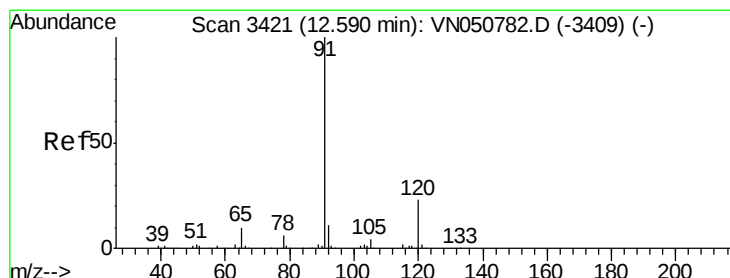
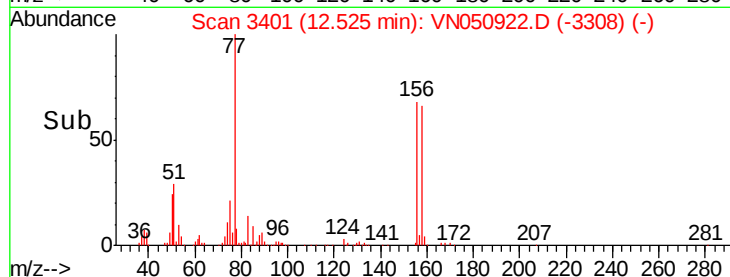
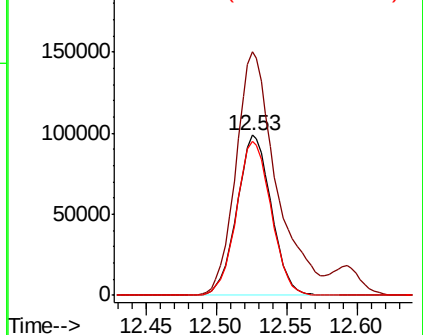
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.39 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050922.D

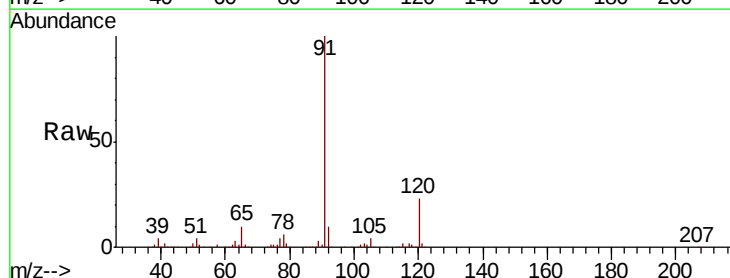
Acq: 28 Aug 2018 19:03

Tgt Ion: 91 Resp: 717094

Ion Ratio Lower Upper

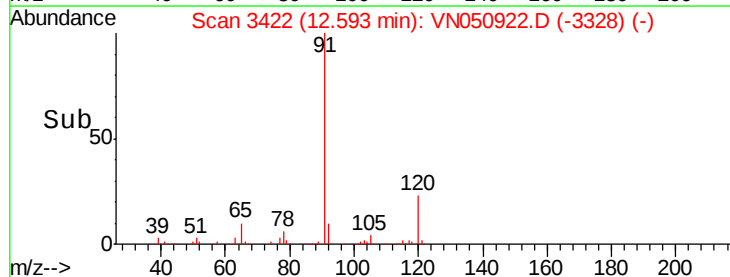
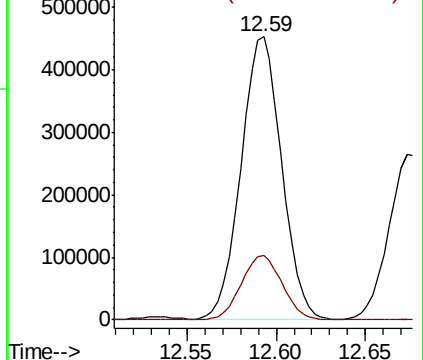
91 100

120 23.1 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: 21.12 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. -0.00 min

Lab File: VN050922.D

Acq: 28 Aug 2018 19:03

Instrument :

MSVOA_N

ClientSampled :

VN0828WBSD02

Tot Ion: 91 Resp: 440979

Ion Ratio Lower Upper

91 100

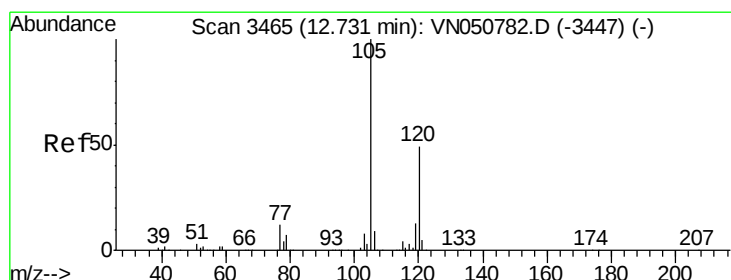
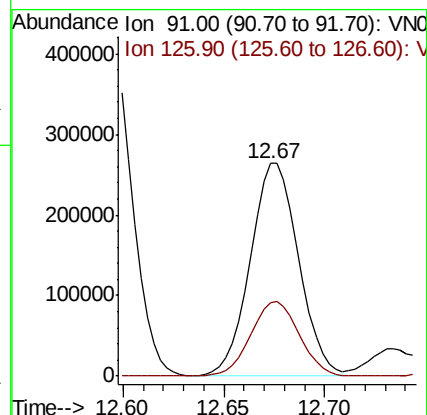
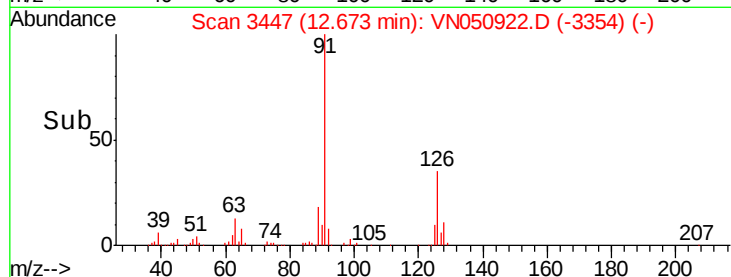
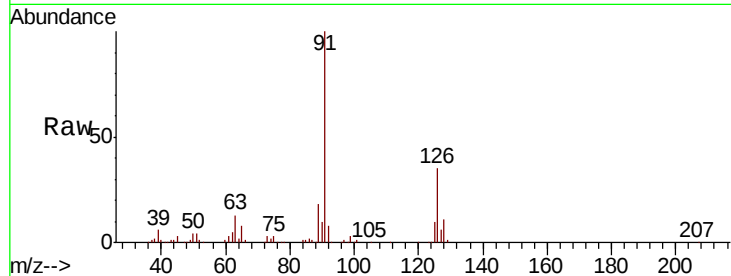
126 35.4 17.8 53.3

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#80

1,3,5-Trimethylbenzene

Concen: 21.98 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050922.D

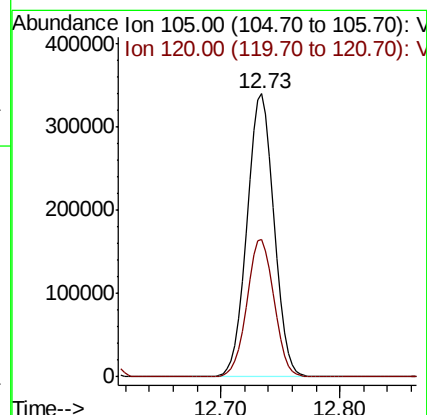
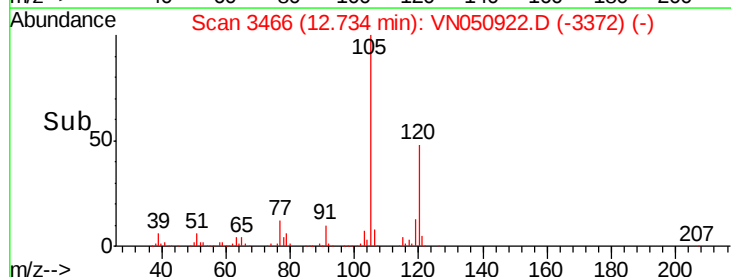
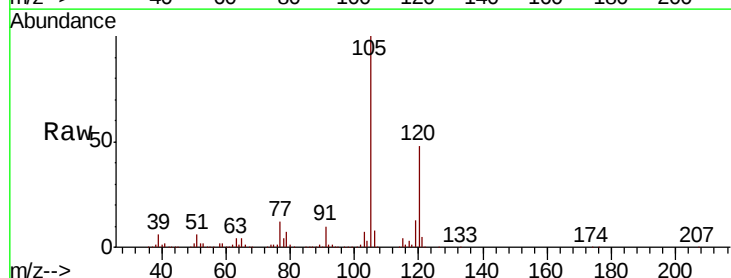
Acq: 28 Aug 2018 19:03

Tgt Ion: 105 Resp: 532281

Ion Ratio Lower Upper

105 100

120 49.1 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.56 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. 0.00 min

Lab File: VN050922.D

Acq: 28 Aug 2018 19:03

Instrument :

MSVOA_N

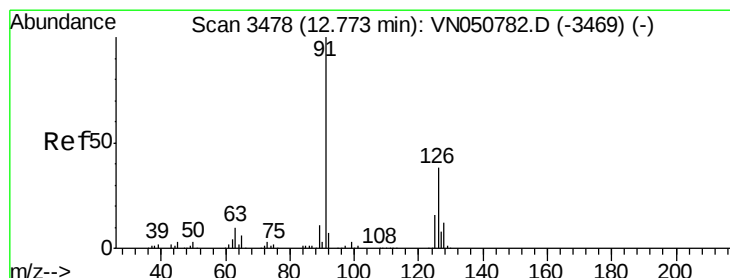
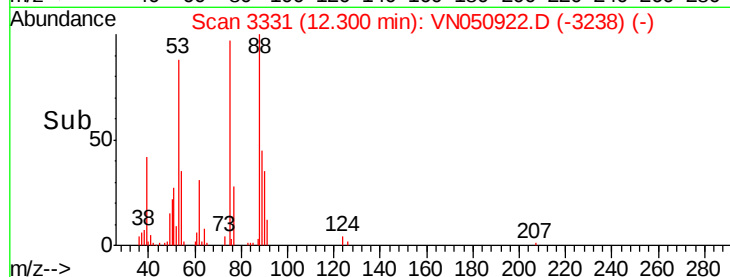
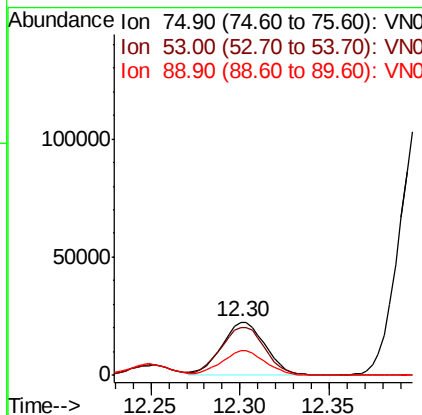
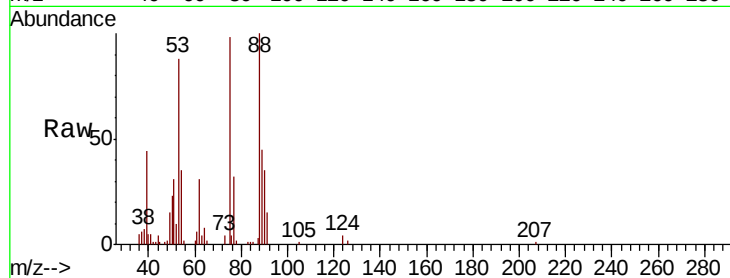
ClientSampleId :

VN0828WBSD02

Tot Ion:	75	Resp:	38617
Ion	Ratio	Lower	Upper
75	100		
53	92.2	68.9	103.3
89	46.4	36.1	54.1

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#82

4-Chlorotoluene

Concen: 21.00 ug/l

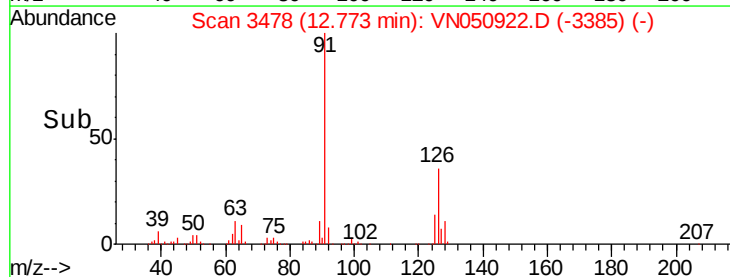
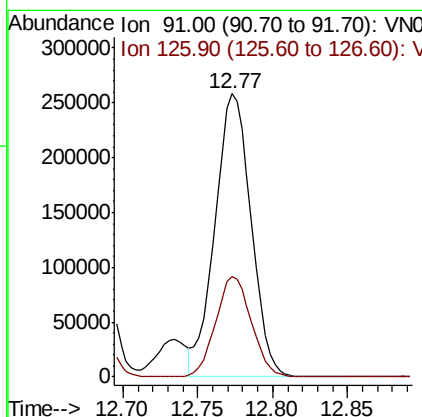
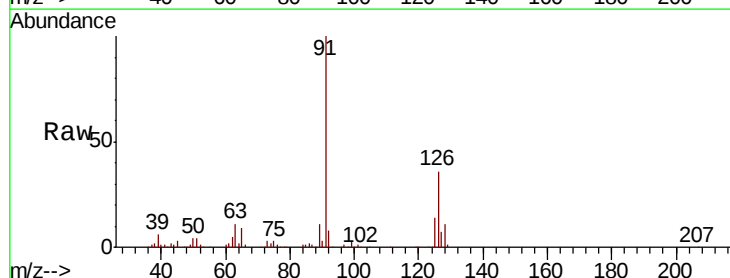
RT: 12.77 min Scan# 3478

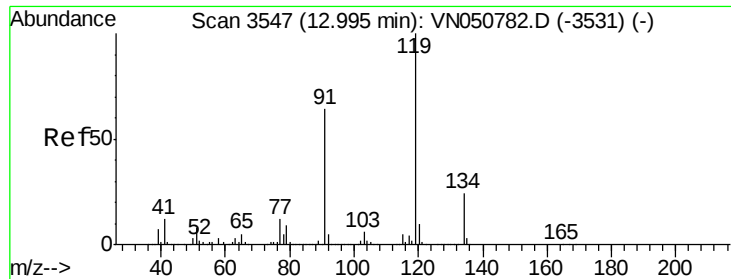
Delta R.T. -0.00 min

Lab File: VN050922.D

Acq: 28 Aug 2018 19:03

Tgt Ion:	91	Resp:	433047
Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.5	52.5





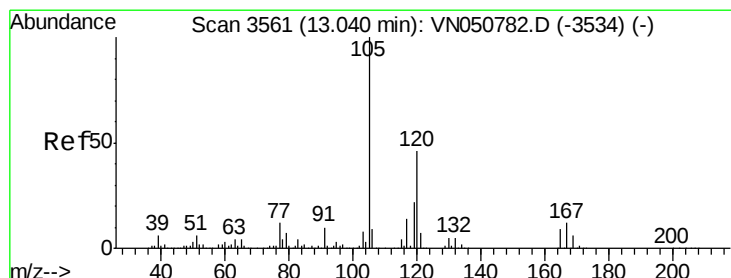
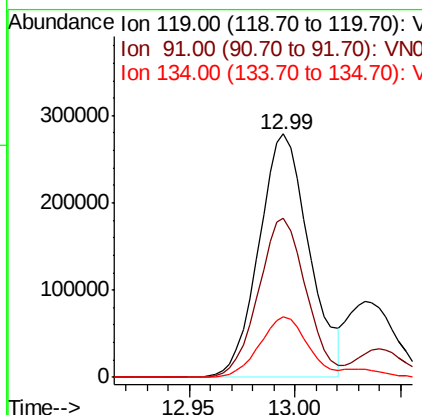
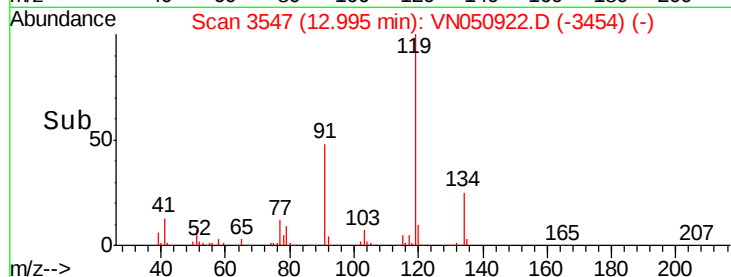
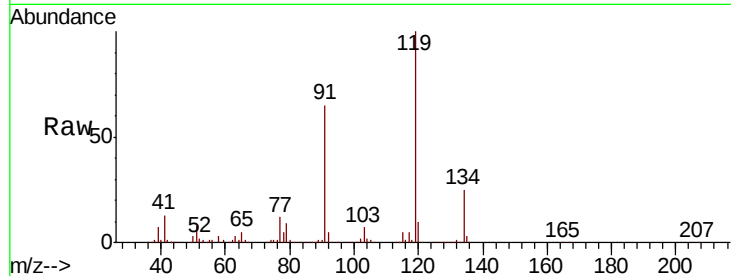
#83
 tert-Butylbenzene
 Concen: 22.03 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050922.D
 Acq: 28 Aug 2018 19:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0828WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	461995		
91	62.1		31.6	94.7
134	24.2		13.4	40.1

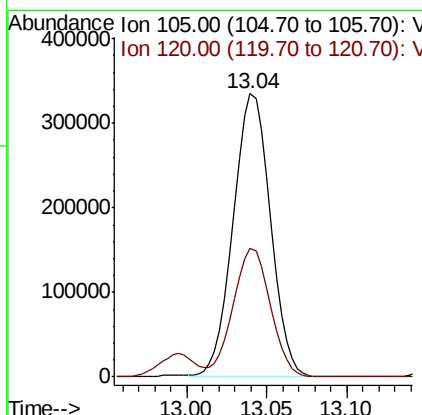
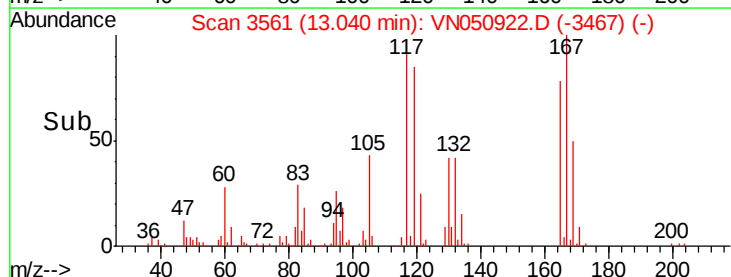
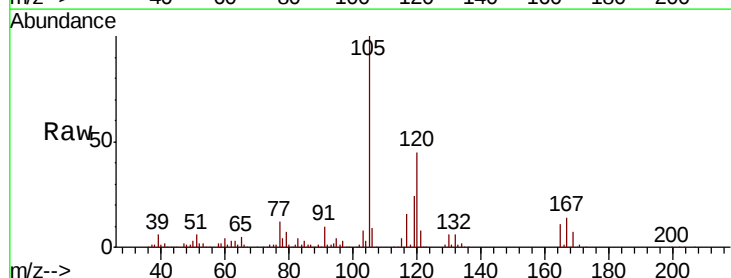
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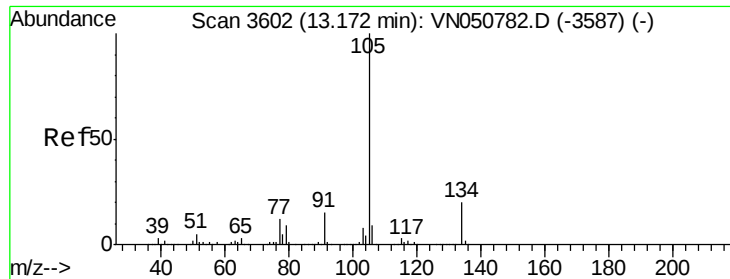
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.70 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050922.D
 Acq: 28 Aug 2018 19:03

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	528655		
120	45.9		22.9	68.8





#85

sec-Butylbenzene

Concen: 21.73 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050922.D

Acq: 28 Aug 2018 19:03

Instrument :

MSVOA_N

ClientSampleId :

VN0828WBSD02

Tot Ion:105 Resp: 597183

Ion Ratio Lower Upper

105 100

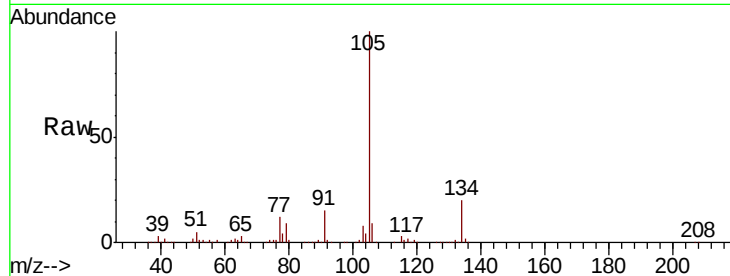
134 20.4 10.3 30.8

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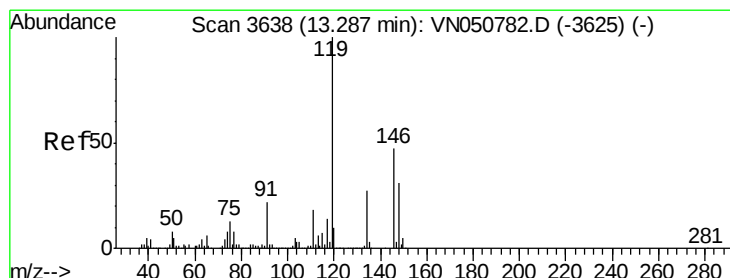
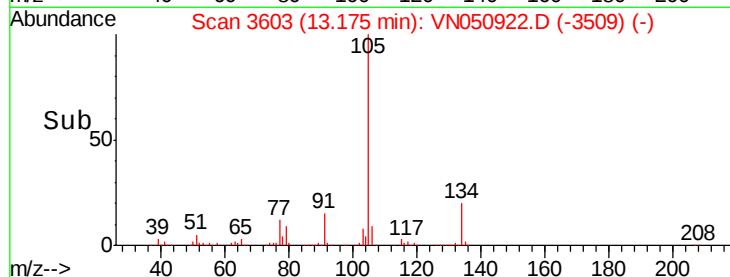
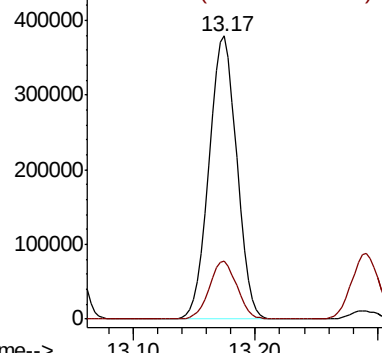
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.71 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050922.D

Acq: 28 Aug 2018 19:03

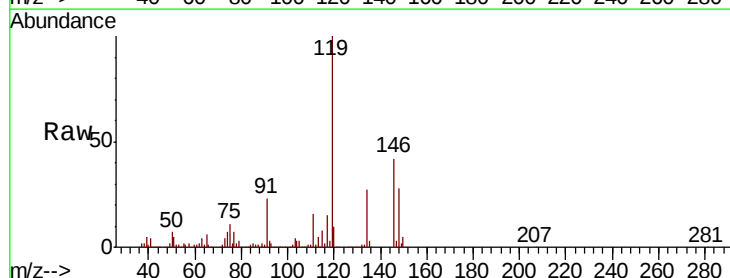
Tgt Ion:119 Resp: 508413

Ion Ratio Lower Upper

119 100

134 27.0 13.7 41.0

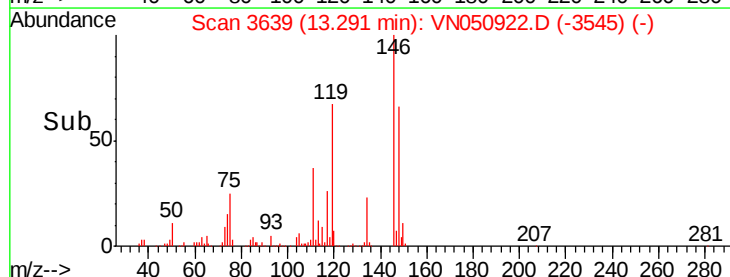
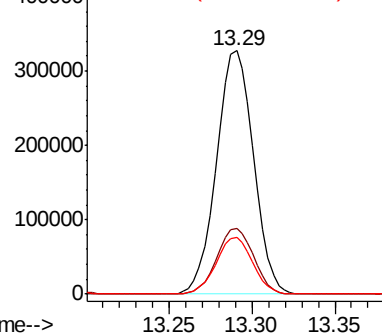
91 22.8 11.2 33.5



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





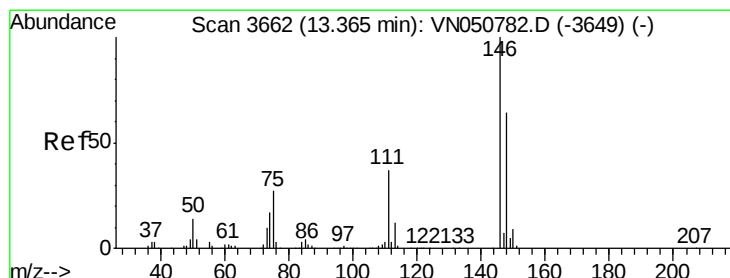
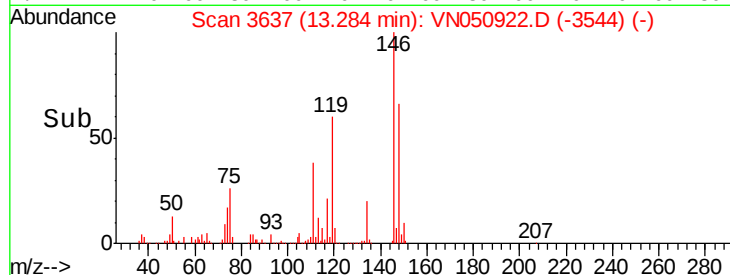
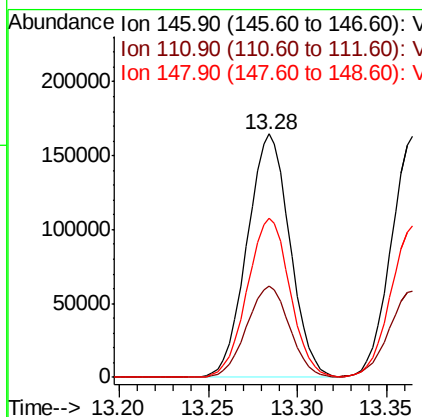
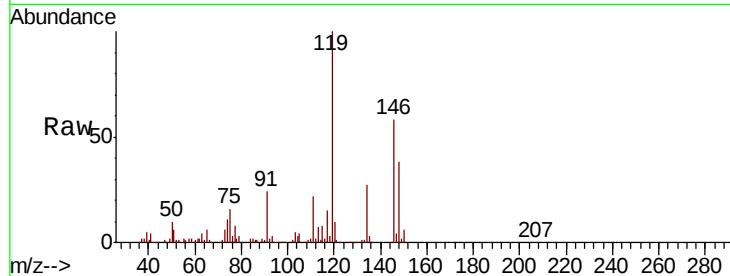
#87
 1,3-Dichlorobenzene
 Concen: 19.99 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050922.D
 Acq: 28 Aug 2018 19:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0828WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.1	57.3
148	65.2	32.2	96.6

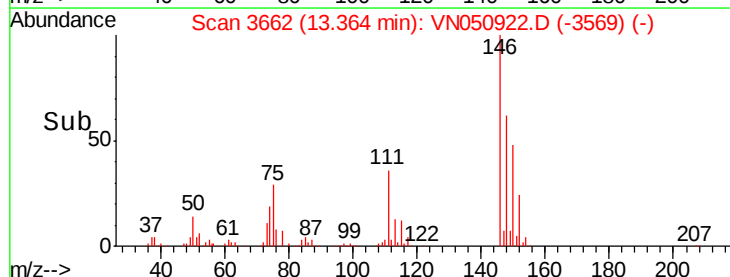
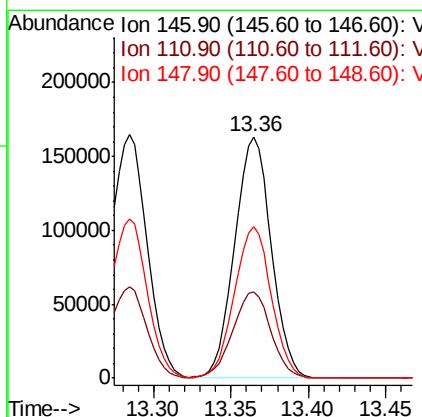
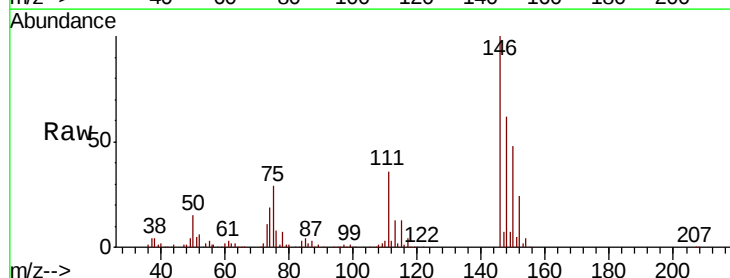
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#88
 1,4-Dichlorobenzene
 Concen: 19.72 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN050922.D
 Acq: 28 Aug 2018 19:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.8	56.3
148	63.2	32.2	96.6





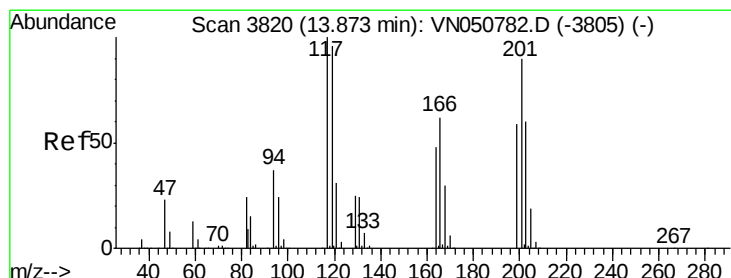
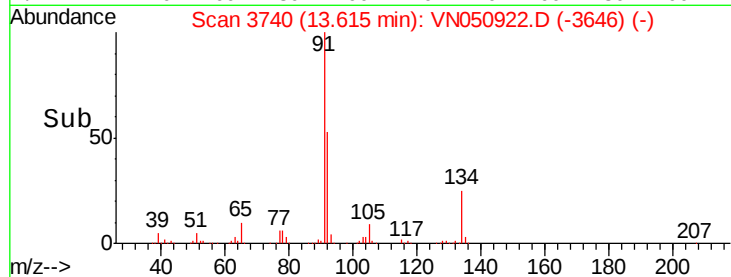
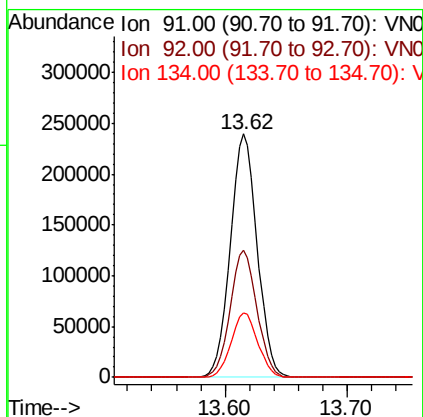
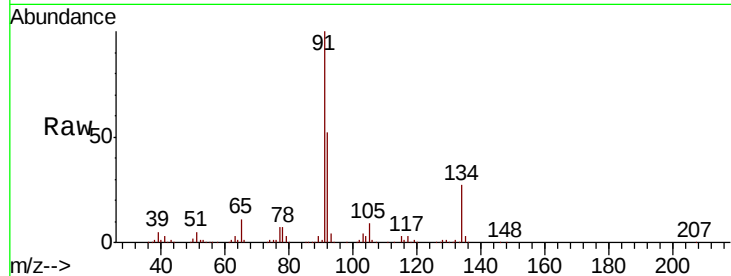
#89
n-Butylbenzene
Concen: 19.62 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050922.D
Acq: 28 Aug 2018 19:03

Instrument :
MSVOA_N
ClientSampleId :
VN0828WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.1	78.2
134	26.3	13.2	39.6

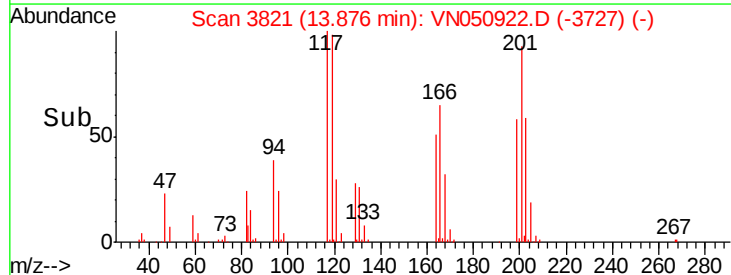
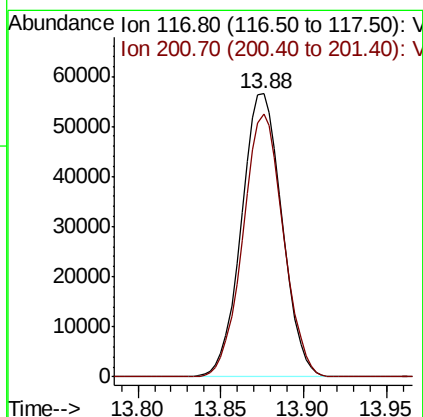
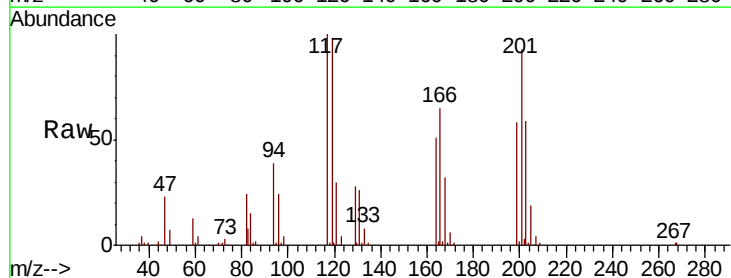
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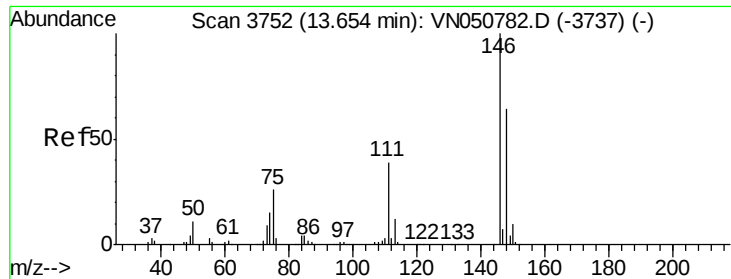
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#90
Hexachloroethane
Concen: 21.71 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050922.D
Acq: 28 Aug 2018 19:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.1	46.0	137.8





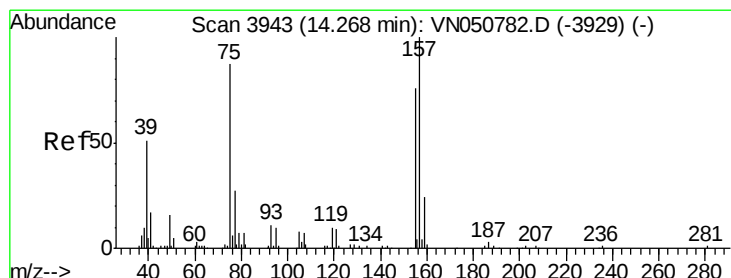
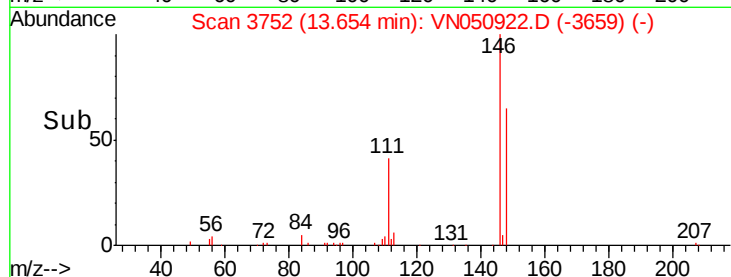
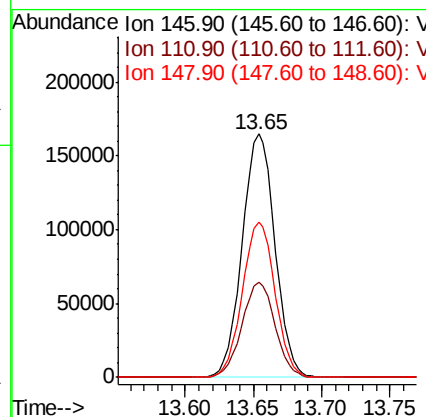
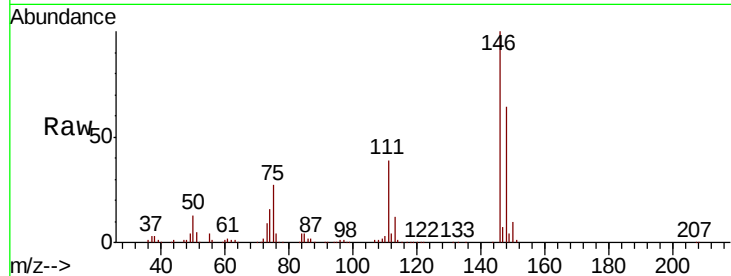
#91
 1,2-Dichlorobenzene
 Concen: 20.52 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050922.D
 Acq: 28 Aug 2018 19:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0828WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.8	59.3
148	63.6	32.3	96.8

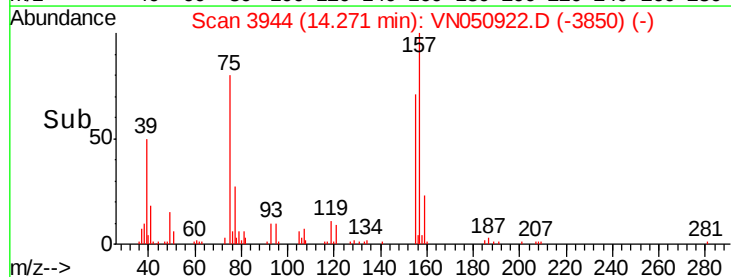
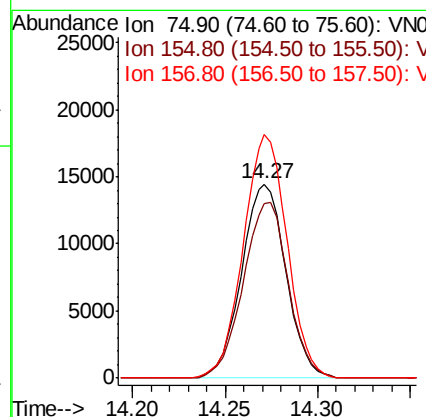
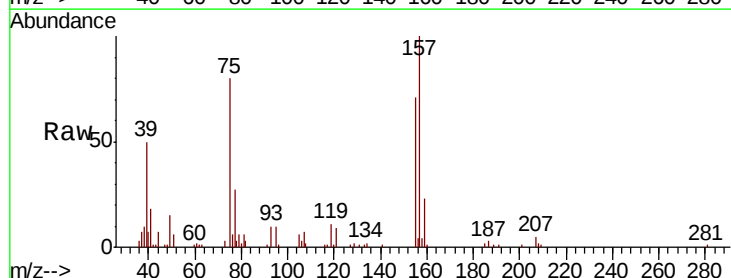
Manual Integrations
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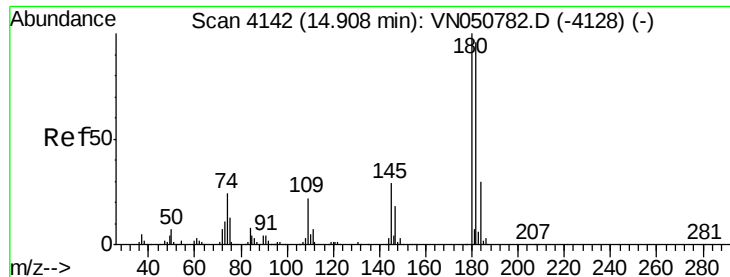
MMDadoda
 8/29/2018 11:10:41 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.35 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050922.D
 Acq: 28 Aug 2018 19:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.4	46.4	139.1
157	124.0	60.7	182.0





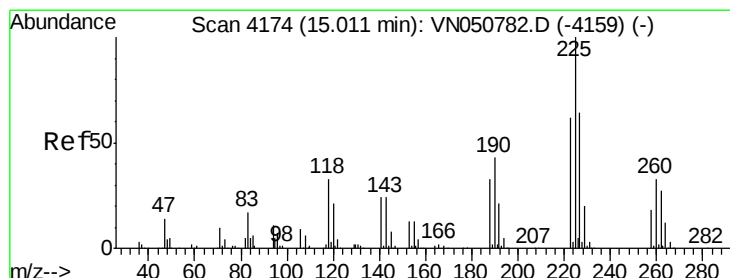
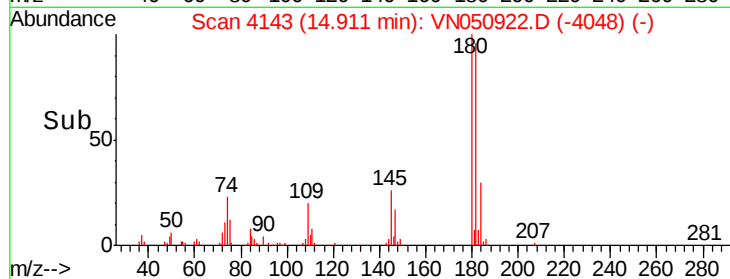
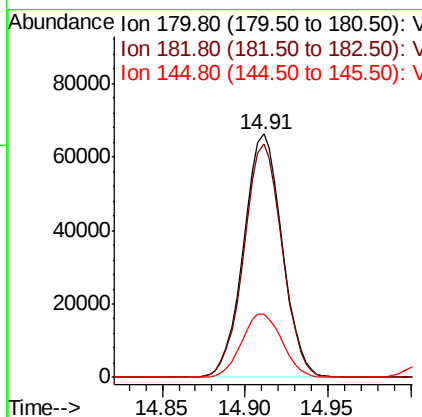
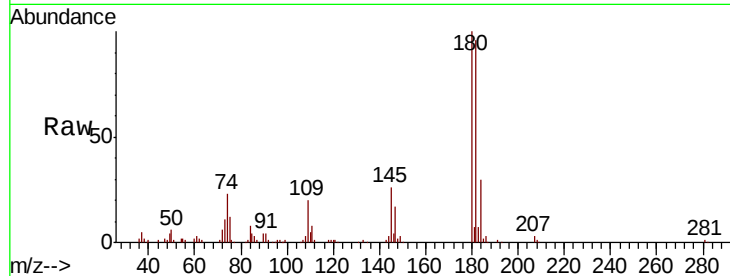
#93
 1,2,4-Trichlorobenzene
 Concen: 18.22 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050922.D
 Acq: 28 Aug 2018 19:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0828WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.5	48.2	144.6	
145	27.3	14.1	42.2	

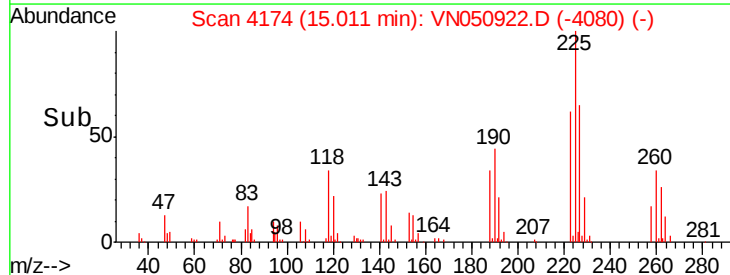
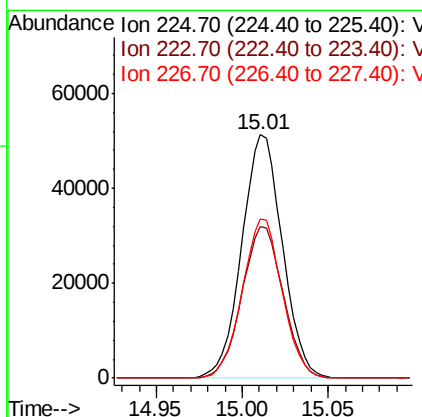
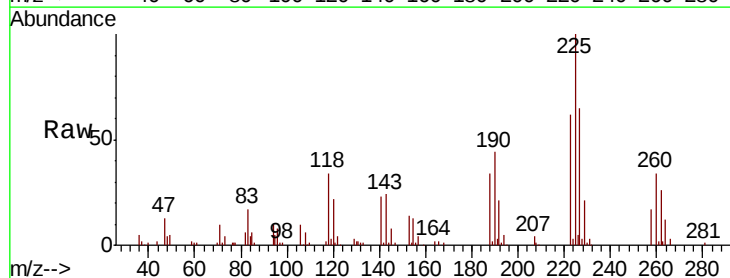
Manual Integrations
 APPROVED

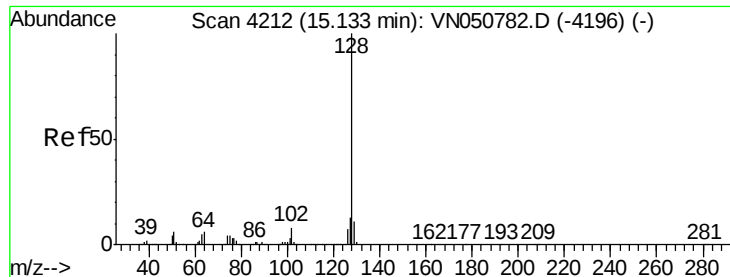
MMDadoda
 8/29/2018 11:10:41 AM



#94
 Hexachlorobutadiene
 Concen: 20.57 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050922.D
 Acq: 28 Aug 2018 19:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.3	31.3	93.8	
227	64.3	32.0	96.2	





#95

Naphthalene

Concen: 18.52 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050922.D

Acq: 28 Aug 2018 19:03

Instrument :

MSVOA_N

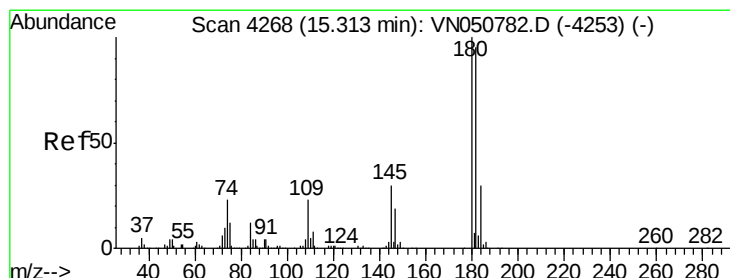
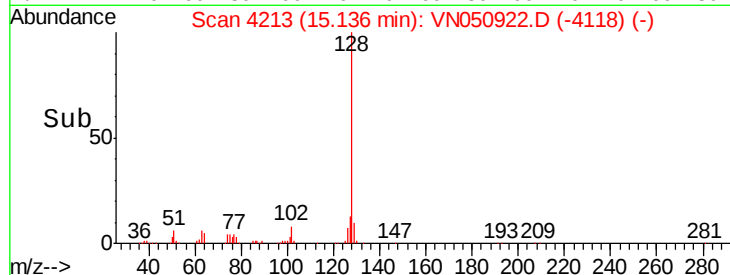
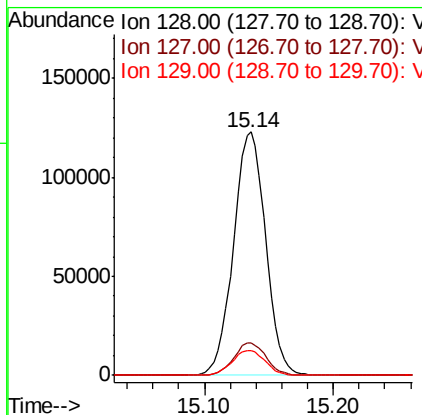
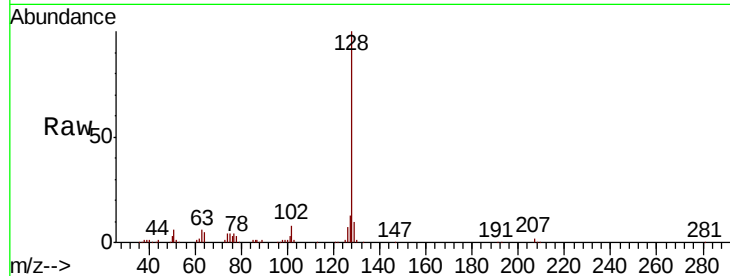
ClientSampleId :

VN0828WBSD02

Tot Ion:	128	Resp:	212941
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.5	15.7
129	10.6	8.7	13.1

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 19.41 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050922.D

Acq: 28 Aug 2018 19:03

Tgt Ion:	180	Resp:	112337
Ion Ratio	Lower	Upper	
180	100		
182	96.3	48.0	144.2
145	30.1	15.2	45.6

