

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082218\
 Data File : VN050815.D
 Acq On : 22 Aug 2018 13:24
 Operator : MD\SY
 Sample : VN0822MBSD01
 Misc : 5.00µg/10µL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0822MBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/23/2018 12:26:49 PM

Quant Time: Aug 23 01:39:22 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	677298	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	977453	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	915080	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	432940	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	408267	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
35) Dibromofluoromethane	7.59	113	388323	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	
50) Toluene-d8	10.09	98	1481396	50.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.90%	
62) 4-Bromofluorobenzene	12.40	95	496099	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	183949	20.29	ug/l	100
3) Chloromethane	2.06	50	195816	17.52	ug/l	100
4) Vinyl Chloride	2.18	62	194461	18.36	ug/l	100
5) Bromomethane	2.56	94	114489	18.34	ug/l	99
6) Chloroethane	2.70	64	115097	18.81	ug/l	100
7) Trichlorofluoromethane	3.01	101	263060	19.40	ug/l	99
8) Diethyl Ether	3.41	74	92802	20.13	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	162329	19.16	ug/l	98
10) Methyl Iodide	3.95	142	119927	20.42	ug/l	99
11) Tert butyl alcohol	4.80	59	56841	109.47	ug/l #	88
12) 1,1-Dichloroethene	3.74	96	150381	19.77	ug/l	98
13) Acrolein	3.61	56	27967	103.55	ug/l	98
14) Allyl chloride	4.32	41	225579	19.03	ug/l	99
15) Acrylonitrile	4.99	53	263024	99.68	ug/l	100
16) Acetone	3.82	43	184349	90.98	ug/l	100
17) Carbon Disulfide	4.05	76	440466	17.27	ug/l	99
18) Methyl Acetate	4.33	43	149109	19.37	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	401486	20.98	ug/l	100
20) Methylene Chloride	4.55	84	168114	18.29	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	156865	19.07	ug/l	97
22) Diisopropyl ether	5.96	45	485194	20.54	ug/l	98
23) Vinyl Acetate	5.90	43	1540841	101.28	ug/l	100
24) 1,1-Dichloroethane	5.85	63	294875	19.44	ug/l	99
25) 2-Butanone	6.84	43	293495	89.32	ug/l	100
26) 2,2-Dichloropropane	6.83	77	224940	18.46	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	177166	19.97	ug/l	98
28) Bromochloromethane	7.20	49	124583	19.33	ug/l	98
29) Tetrahydrofuran	7.22	42	200357	106.35	ug/l	99
30) Chloroform	7.37	83	294567	19.61	ug/l	99
31) Cyclohexane	7.66	56	262347	19.32	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	252338	19.56	ug/l	99
36) 1,1-Dichloropropene	7.80	75	225387	19.54	ug/l	98
37) Ethyl Acetate	6.93	43	135055	20.38	ug/l	98
38) Carbon Tetrachloride	7.77	117	219982	18.87	ug/l	98

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 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	232349	18.62	ug/l	98
40) Benzene	8.04	78	688232	19.79	ug/l	99
41) Methacrylonitrile	7.17	41	52671	14.69	ug/l #	77
42) 1,2-Dichloroethane	8.13	62	204877	19.70	ug/l	99
43) Isopropyl Acetate	8.17	43	243189	21.35	ug/l #	90
44) Trichloroethene	8.84	130	181349	19.77	ug/l	100
45) 1,2-Dichloropropane	9.12	63	179854	19.67	ug/l	99
46) Dibromomethane	9.21	93	105723	19.68	ug/l	99
47) Bromodichloromethane	9.40	83	218307	19.40	ug/l	99
48) Methyl methacrylate	9.20	41	115597	19.91	ug/l	97
49) 1,4-Dioxane	9.20	88	32324	408.41	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	674006	99.14	ug/l	99
52) Toluene	10.16	92	425779	20.66	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	215535	19.25	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	255807	19.95	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	153380	20.06	ug/l	99
56) Ethyl methacrylate	10.43	69	184013	19.98	ug/l	99
57) 1,3-Dichloropropane	10.71	76	255119	20.21	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	393282	98.39	ug/l	100
59) 2-Hexanone	10.75	43	500789	110.65	ug/l	90
60) Dibromochloromethane	10.90	129	164006	19.15	ug/l	100
61) 1,2-Dibromoethane	11.01	107	151423	20.48	ug/l	100
64) Tetrachloroethene	10.63	164	167043	19.22	ug/l	98
65) Chlorobenzene	11.43	112	467434	19.54	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	165880	18.95	ug/l	98
67) Ethyl Benzene	11.51	91	783977	20.16	ug/l	100
68) m/p-Xylenes	11.62	106	623061	42.21	ug/l	99
69) o-Xylene	11.95	106	307751	21.69	ug/l	99
70) Styrene	11.96	104	457530	19.10	ug/l	99
71) Bromoform	12.13	173	109394	18.18	ug/l #	99
73) Isopropylbenzene	12.25	105	776364	21.66	ug/l	100
74) N-amyl acetate	12.06	43	170749m	18.96	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.51	83	171899	19.10	ug/l	84
76) 1,2,3-Trichloropropane	12.55	75	150459m	19.84	ug/l	
77) Bromobenzene	12.53	156	199042	20.43	ug/l	98
78) n-propylbenzene	12.59	91	871716	21.77	ug/l	100
79) 2-Chlorotoluene	12.68	91	523638	20.99	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	676267	23.38	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	43395	19.35	ug/l #	82
82) 4-Chlorotoluene	12.77	91	510040	20.71	ug/l	98
83) tert-Butylbenzene	12.99	119	536270	21.41	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	781591	26.86	ug/l	100
85) sec-Butylbenzene	13.17	105	709613	21.62	ug/l	99
86) p-Isopropyltoluene	13.29	119	620503	22.18	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	319479	19.32	ug/l	90
88) 1,4-Dichlorobenzene	13.36	146	313950	19.29	ug/l	90
89) n-Butylbenzene	13.62	91	512654	22.92	ug/l	96
90) Hexachloroethane	13.88	117	98216	18.54	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	312088	19.57	ug/l #	83
92) 1,2-Dibromo-3-Chloropropan	14.27	75	25448	19.77	ug/l	90

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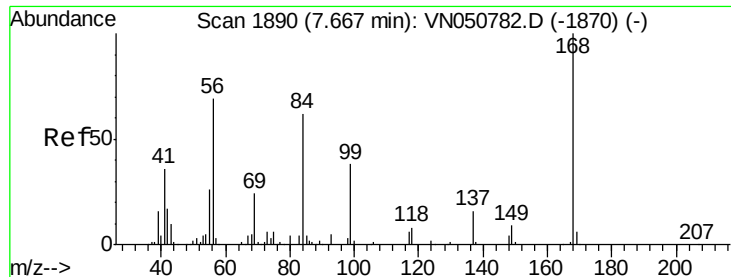
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	149268	20.60	ug/l	94
94) Hexachlorobutadiene	15.01	225	89706	18.26	ug/l	99
95) Naphthalene	15.13	128	378116	24.90	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	145628	20.78	ug/l	99

(#) = 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: VN050815.D

Acq: 22 Aug 2018 13:24

Instrument :

MSVOA_N

ClientSampleId :

VN0822MBSD01

Tot Ion:168 Resp: 677298

Ion Ratio Lower Upper

168 100

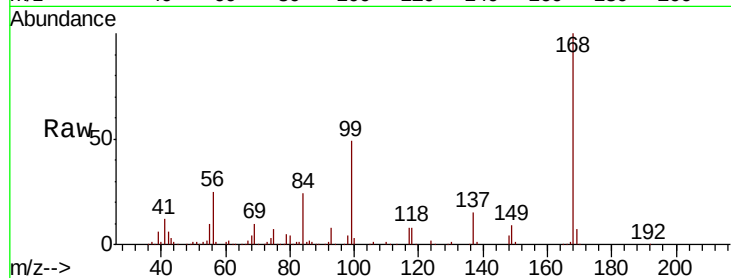
99 49.4 39.6 59.4

Manual Integrations

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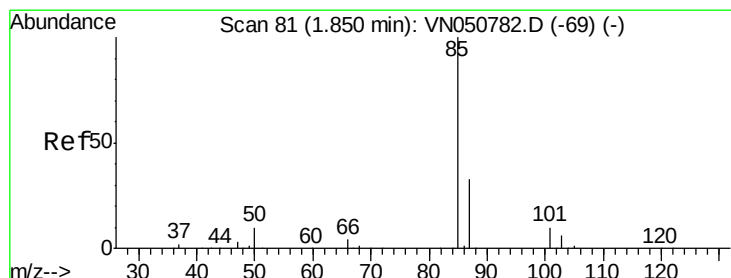
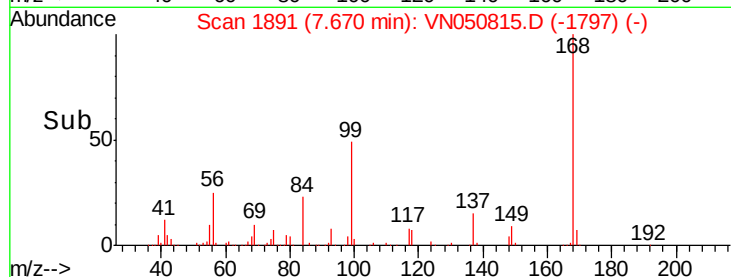
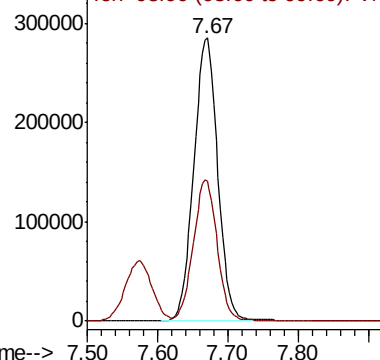
MMDadoda

8/23/2018 12:26:49 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 20.29 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050815.D

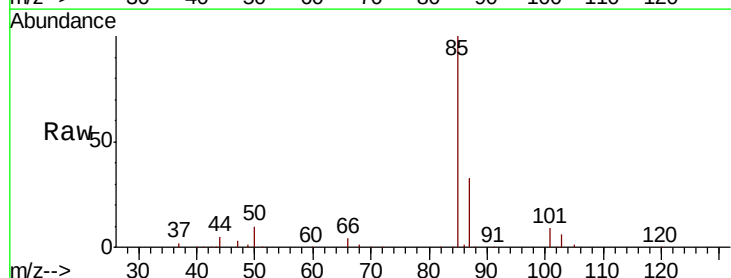
Acq: 22 Aug 2018 13:24

Tgt Ion: 85 Resp: 183949

Ion Ratio Lower Upper

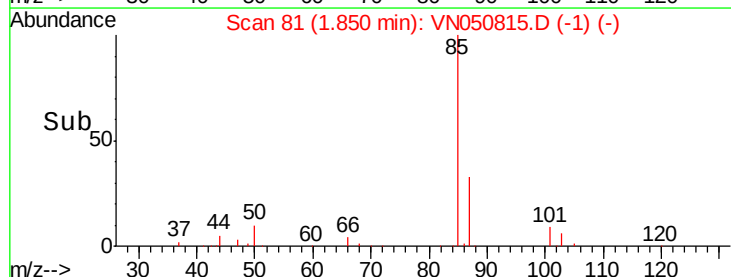
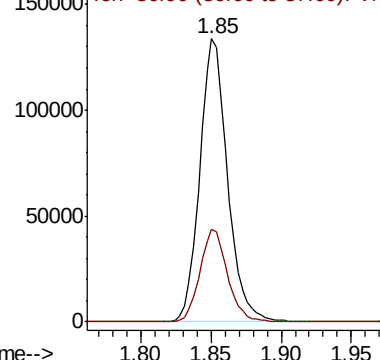
85 100

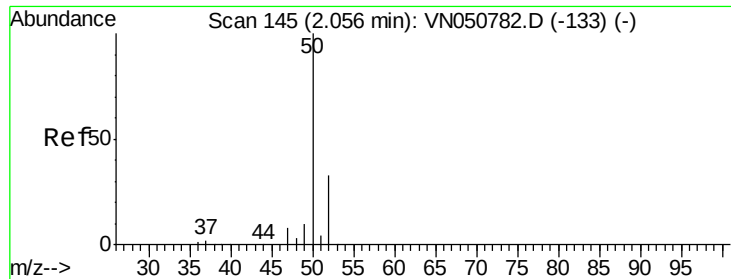
87 32.5 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 17.52 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050815.D

Acq: 22 Aug 2018 13:24

Instrument :

MSVOA_N

ClientSampleId :

VN0822MBSD01

Tot Ion: 50 Resp: 195816

Ion Ratio Lower Upper

50 100

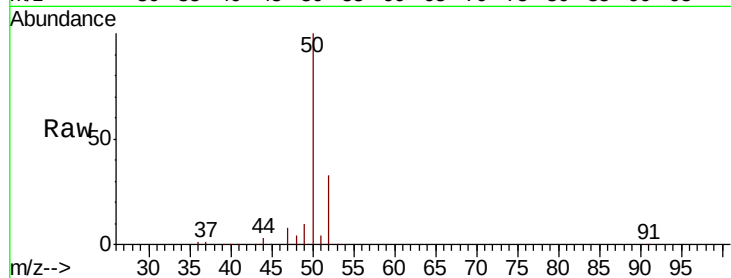
52 32.9 26.3 39.5

Manual Integrations

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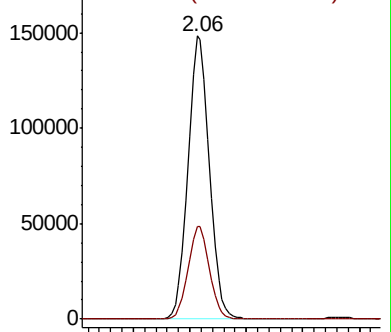
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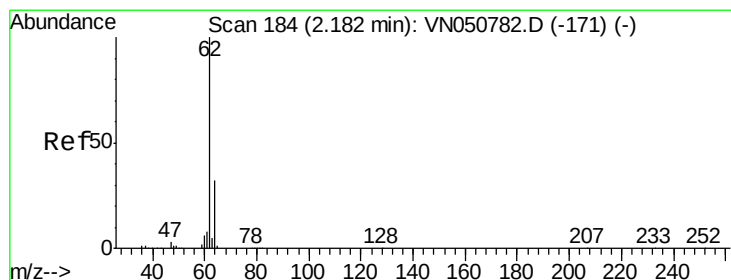
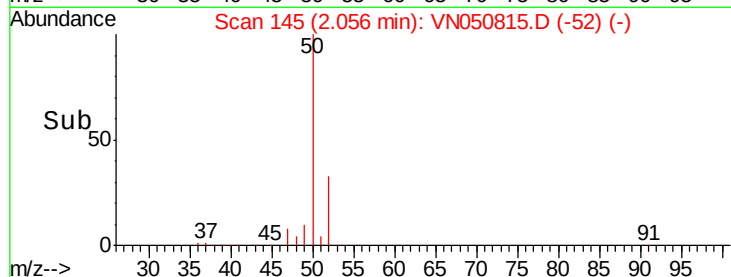


Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



Time-->



#4

Vinyl Chloride

Concen: 18.36 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN050815.D

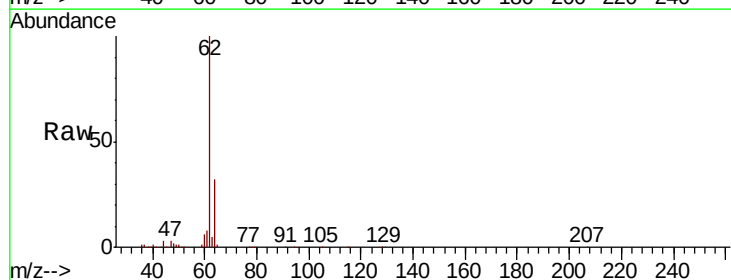
Acq: 22 Aug 2018 13:24

Tgt Ion: 62 Resp: 194461

Ion Ratio Lower Upper

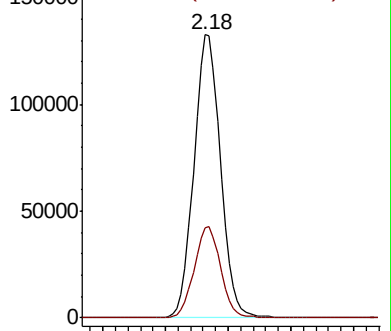
62 100

64 32.0 25.4 38.2

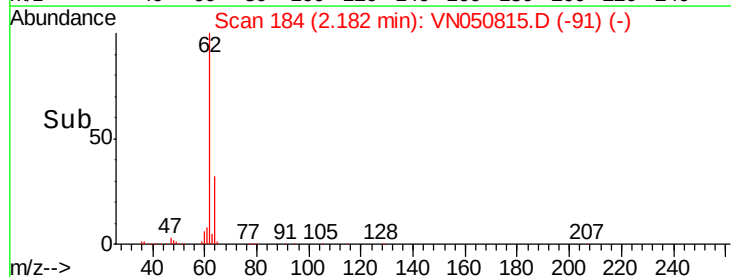


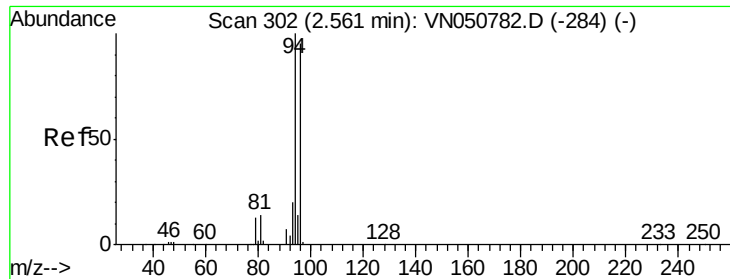
Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0



Time-->





#5

Bromomethane

Concen: 18.34 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN050815.D

Acq: 22 Aug 2018 13:24

Instrument :

MSVOA_N

ClientSampleId :

VN0822MBSD01

Tot Ion: 94 Resp: 114489

Ion Ratio Lower Upper

94 100

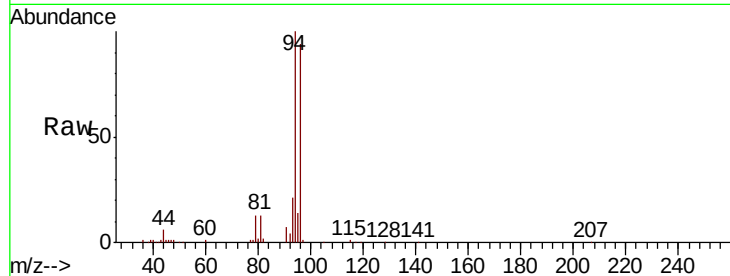
96 93.8 76.2 114.2

Manual Integrations

APPROVED

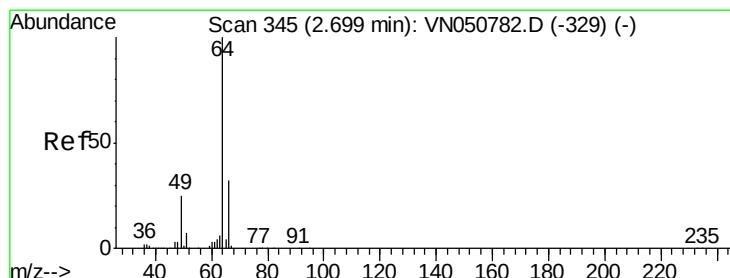
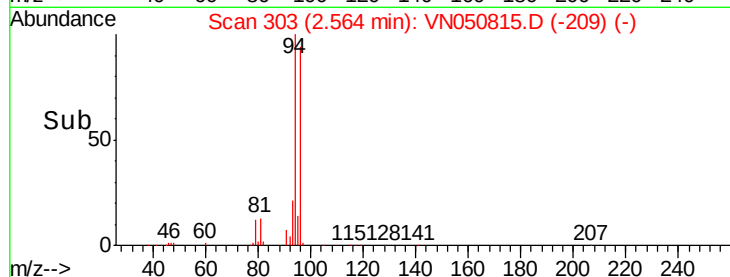
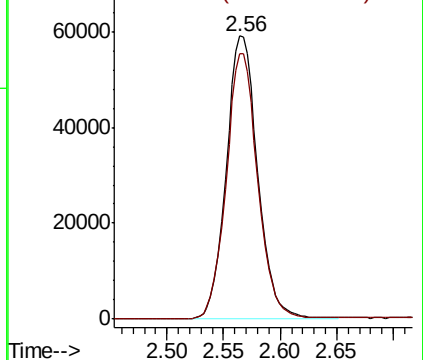
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.81 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050815.D

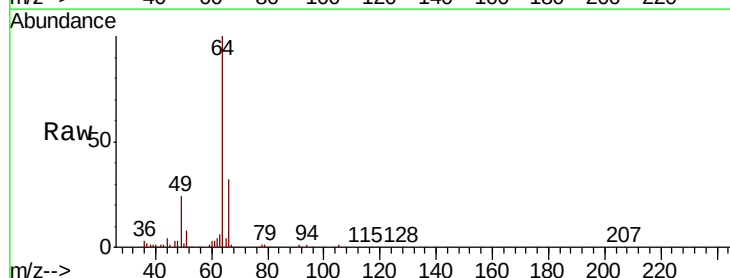
Acq: 22 Aug 2018 13:24

Tgt Ion: 64 Resp: 115097

Ion Ratio Lower Upper

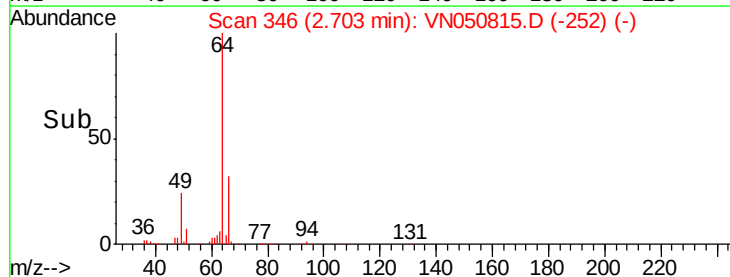
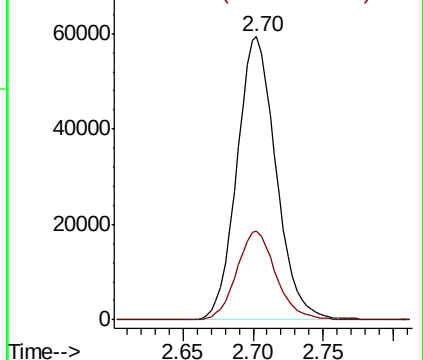
64 100

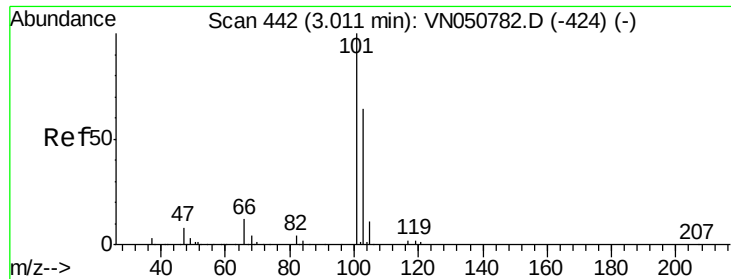
66 31.5 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

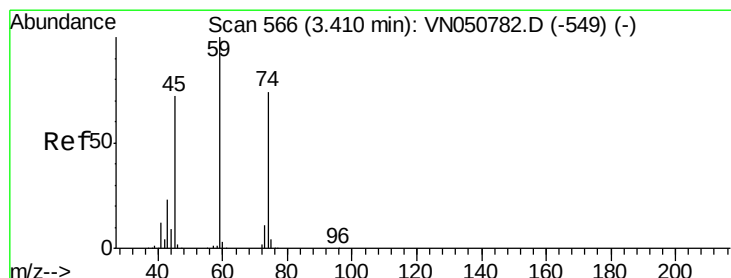
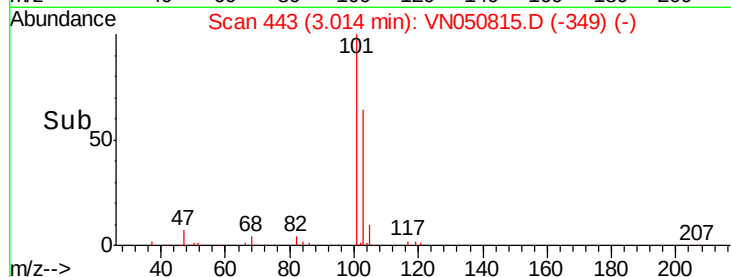
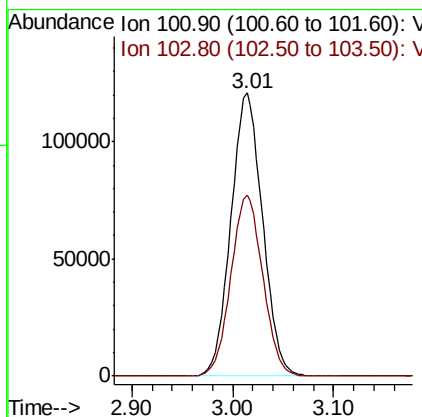
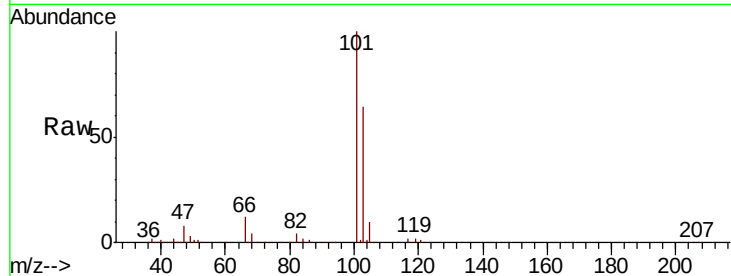
Trichlorofluoromethane
 Concen: 19.40 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VN050815.D
 Acq: 22 Aug 2018 13:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822MBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		263060		
103	64.1	51.6	77.4		

Manual Integrations
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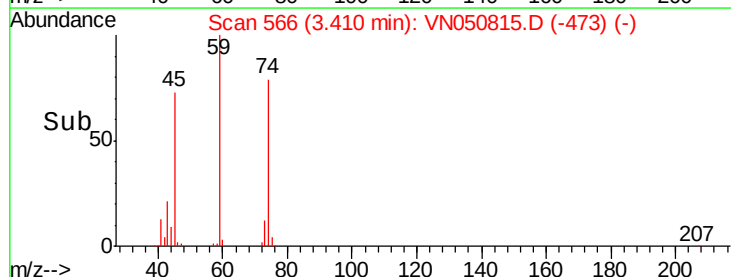
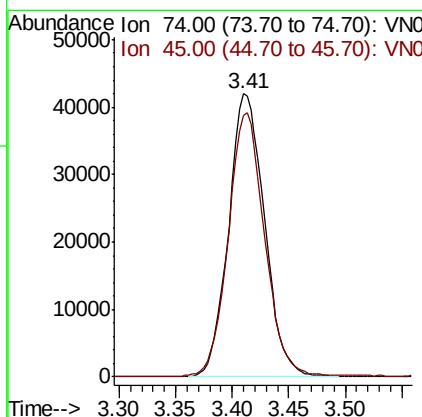
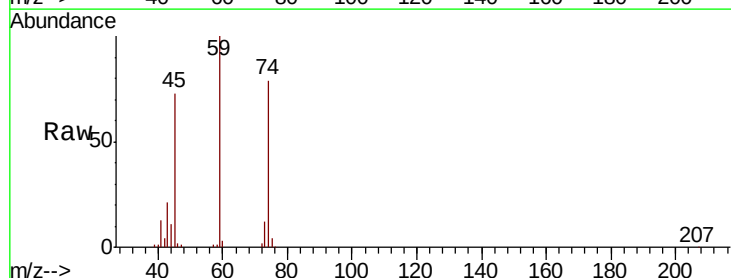
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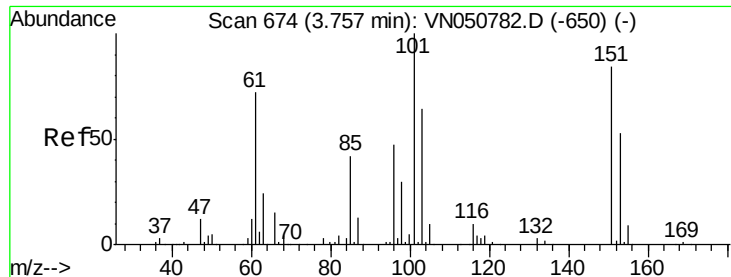


#8

Diethyl Ether
 Concen: 20.13 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: VN050815.D
 Acq: 22 Aug 2018 13:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		92802		
45	94.7	48.2	144.6		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.16 ug/l

RT: 3.76 min Scan# 675

Delta R.T. 0.00 min

Lab File: VN050815.D

Acq: 22 Aug 2018 13:24

Instrument :

MSVOA_N

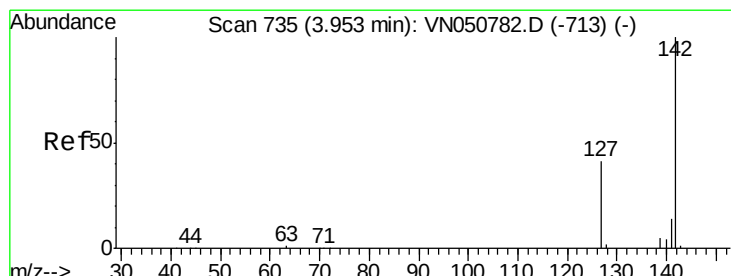
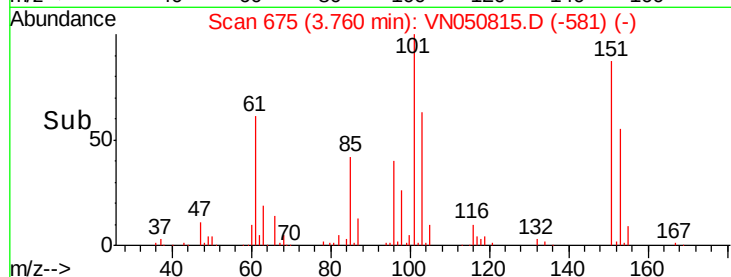
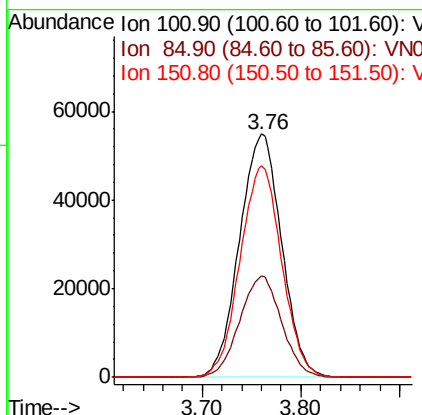
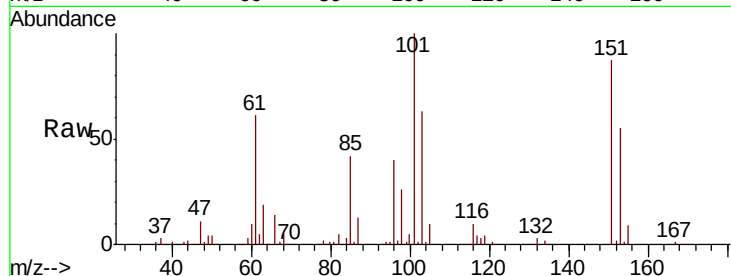
ClientSampleId :

VN0822MBSD01

Tot Ion:	101	Resp:	162329
Ion Ratio	Lower	Upper	
101	100		
85	41.4	33.7	50.5
151	85.9	67.4	101.2

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#10

Methyl Iodide

Concen: 20.42 ug/l

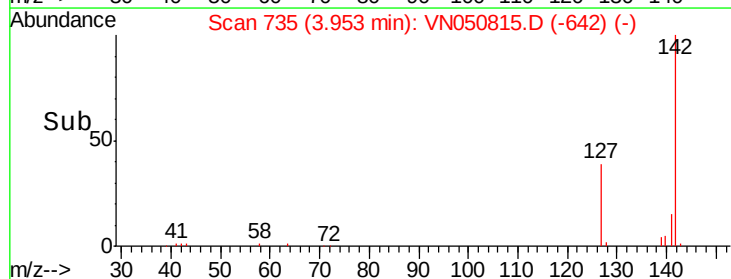
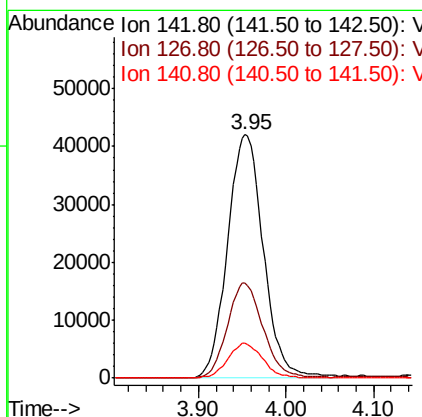
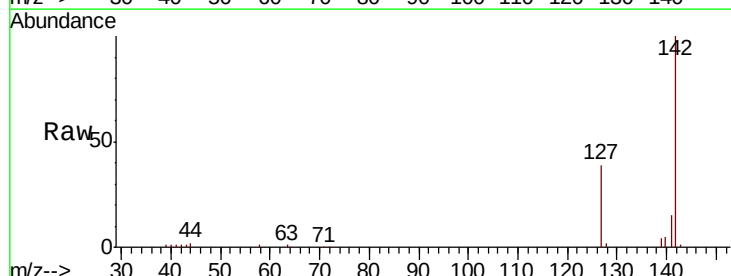
RT: 3.95 min Scan# 735

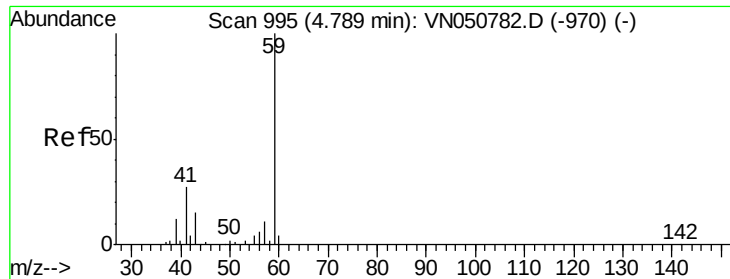
Delta R.T. 0.00 min

Lab File: VN050815.D

Acq: 22 Aug 2018 13:24

Tgt Ion:	142	Resp:	119927
Ion Ratio	Lower	Upper	
142	100		
127	39.0	31.7	47.5
141	13.8	11.4	17.0





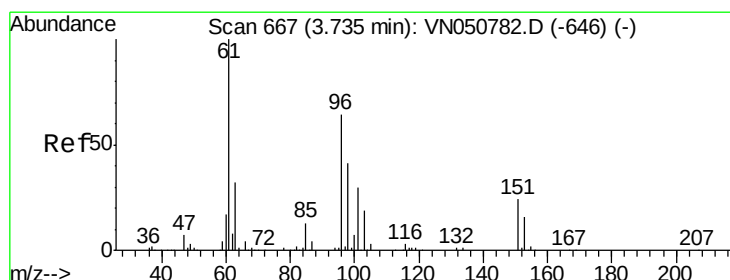
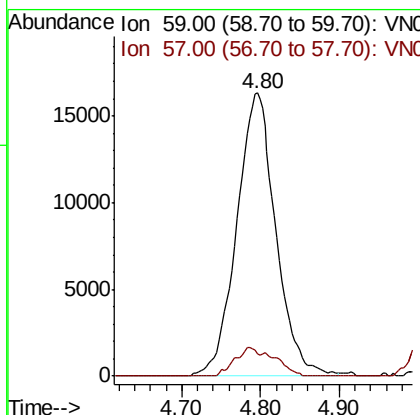
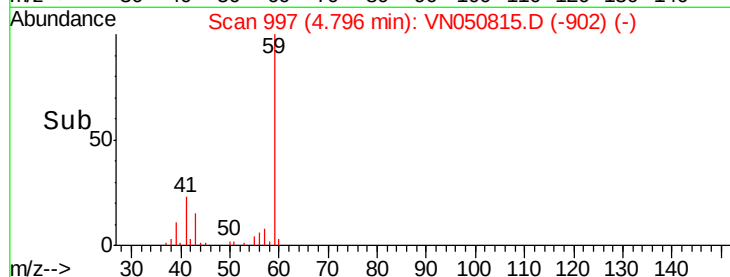
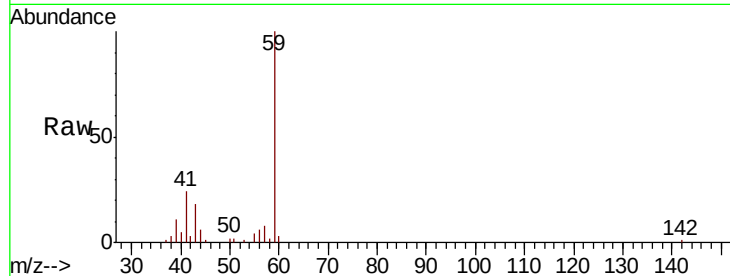
#11
Tert butyl alcohol
Concen: 109.47 ug/l
RT: 4.80 min Scan# 997
Delta R.T. 0.01 min
Lab File: VN050815.D
Acq: 22 Aug 2018 13:24

Instrument :
MSVOA_N
ClientSampled :
VN0822MBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.9	8.3	12.5#

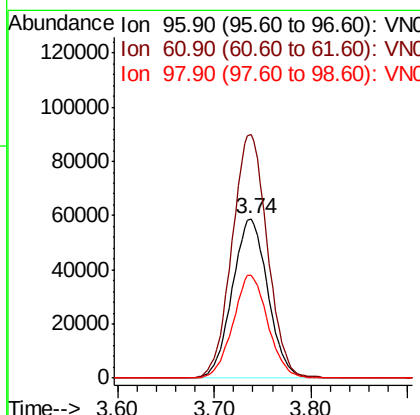
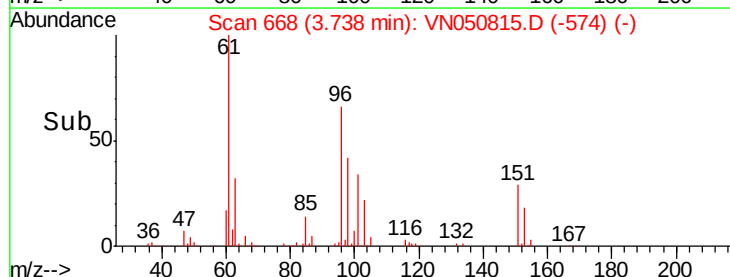
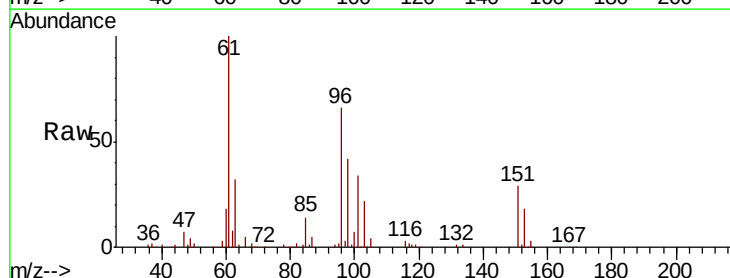
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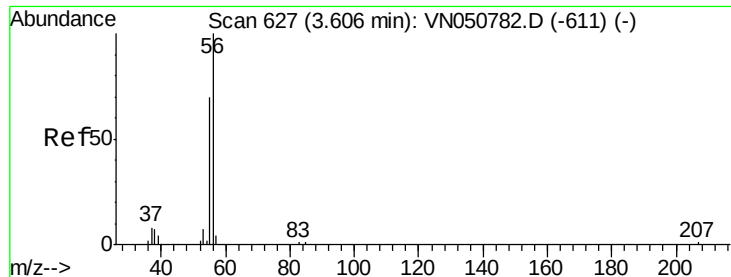
MMDadoda
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#12
1,1-Dichloroethene
Concen: 19.77 ug/l
RT: 3.74 min Scan# 668
Delta R.T. 0.00 min
Lab File: VN050815.D
Acq: 22 Aug 2018 13:24

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.5	124.9	187.3
98	64.2	51.1	76.7





#13

Acrolein

Concen: 103.55 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050815.D

Acq: 22 Aug 2018 13:24

Instrument :

MSVOA_N

ClientSampleId :

VN0822MBSD01

Tot Ion: 56 Resp: 27967

Ion Ratio Lower Upper

56 100

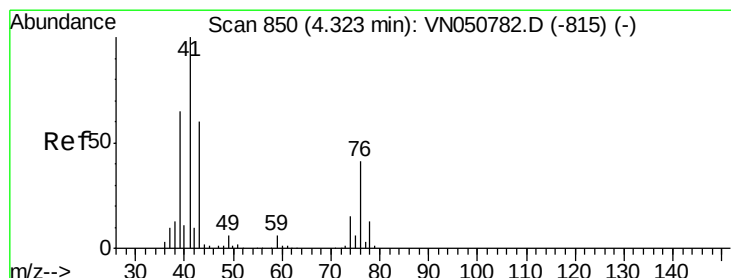
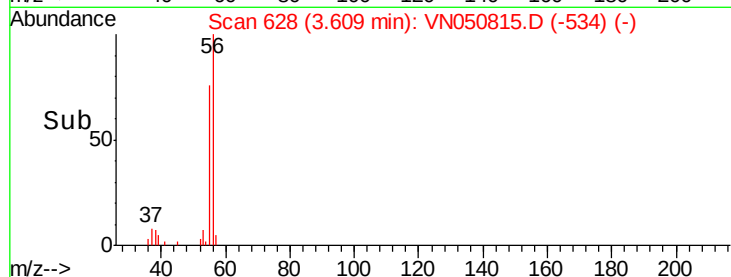
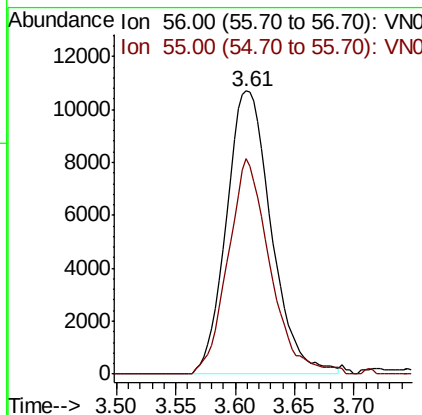
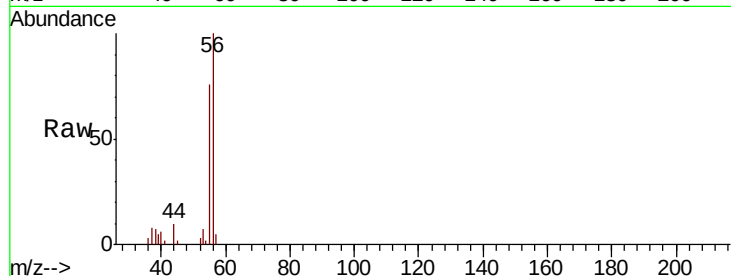
55 70.5 57.7 86.5

Manual Integrations

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#14

Allyl chloride

Concen: 19.03 ug/l

RT: 4.32 min Scan# 850

Delta R.T. -0.00 min

Lab File: VN050815.D

Acq: 22 Aug 2018 13:24

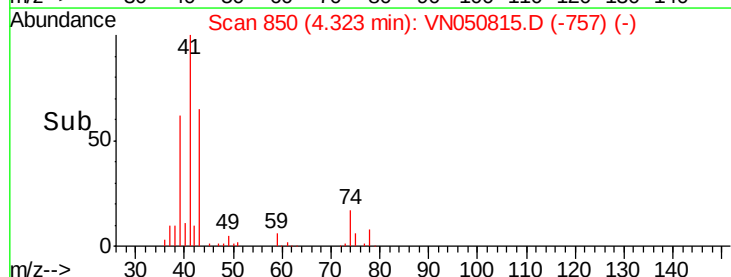
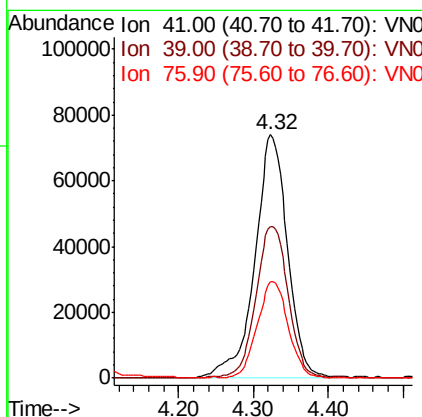
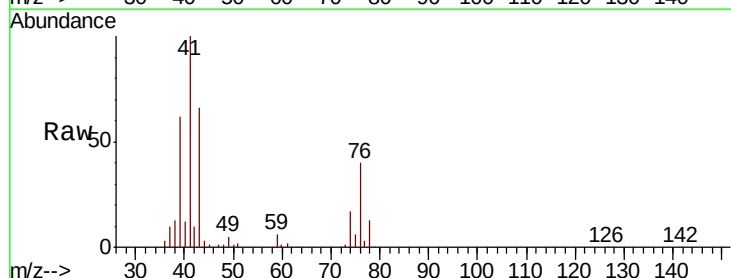
Tgt Ion: 41 Resp: 225579

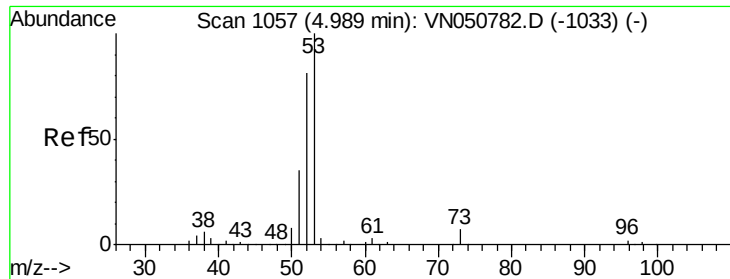
Ion Ratio Lower Upper

41 100

39 61.8 50.2 75.2

76 37.5 29.8 44.8





#15

Acrylonitrile

Concen: 99.68 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VN050815.D

Acq: 22 Aug 2018 13:24

Instrument :

MSVOA_N

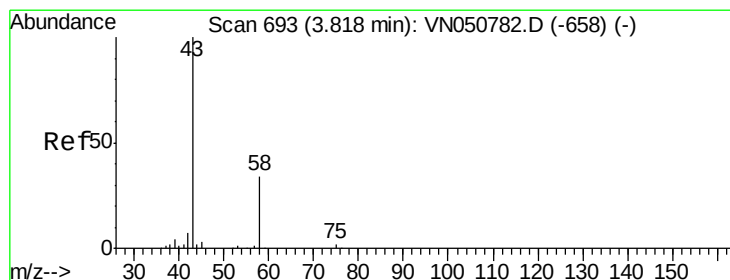
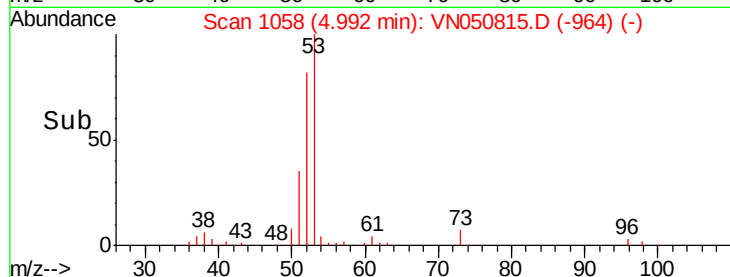
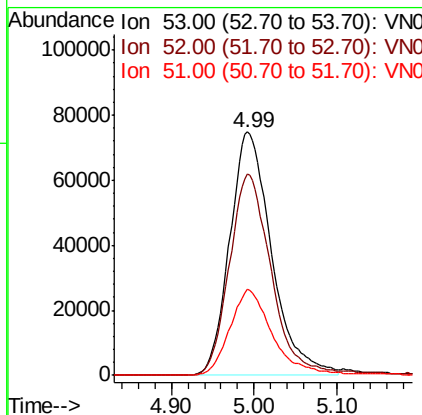
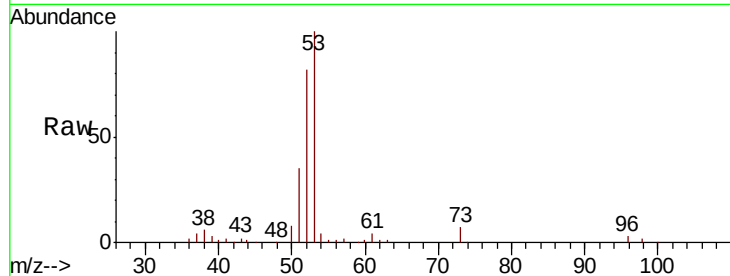
ClientSampleId :

VN0822MBSD01

Tot Ion:	53	Resp:	263024
Ion	Ratio	Lower	Upper
53	100		
52	82.2	65.9	98.9
51	35.9	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 90.98 ug/l

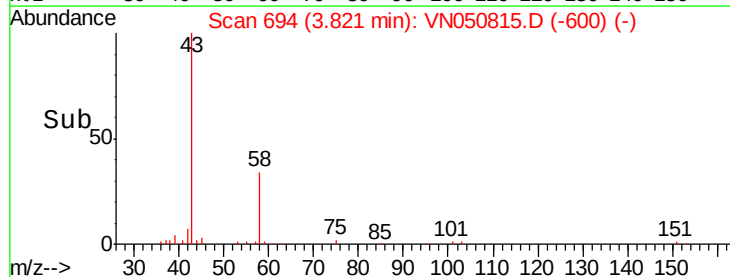
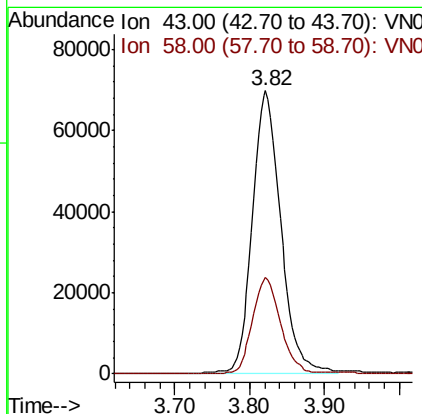
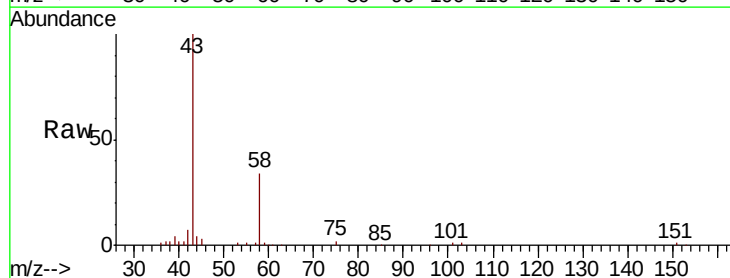
RT: 3.82 min Scan# 694

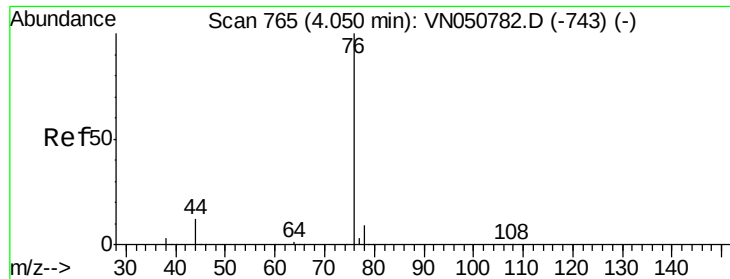
Delta R.T. 0.00 min

Lab File: VN050815.D

Acq: 22 Aug 2018 13:24

Tgt Ion:	43	Resp:	184349
Ion	Ratio	Lower	Upper
43	100		
58	34.0	27.2	40.8





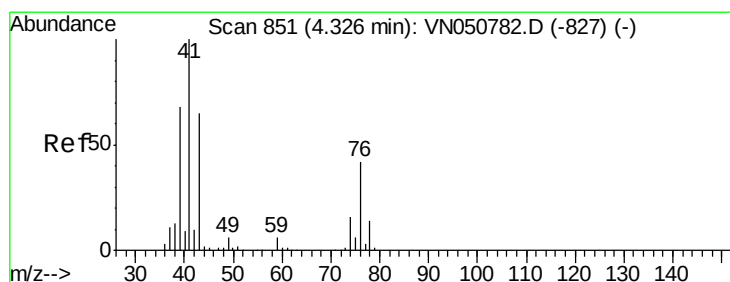
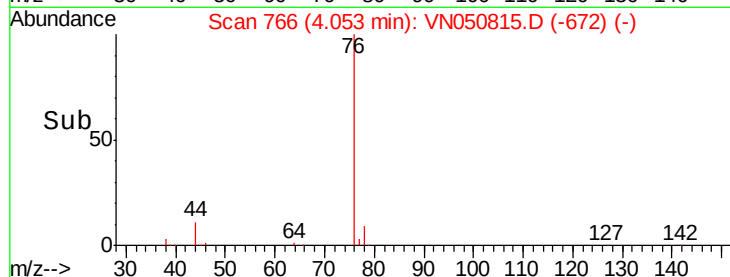
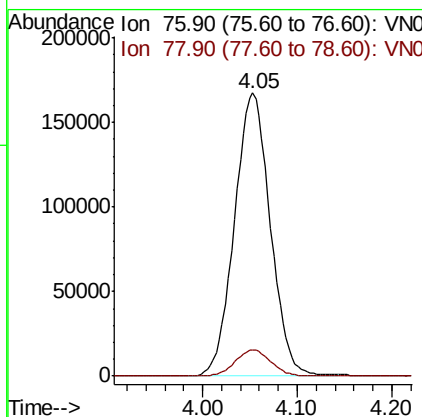
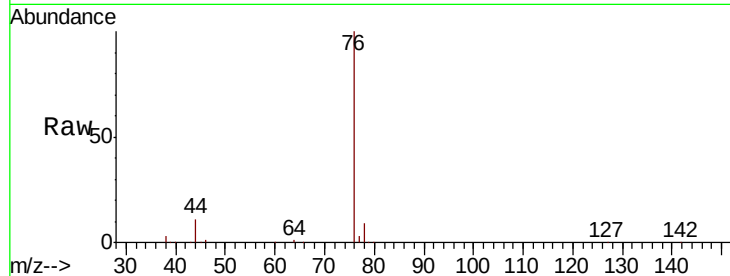
#17
Carbon Disulfide
Concen: 17.27 ug/l
RT: 4.05 min Scan# 766
Delta R.T. 0.00 min
Lab File: VN050815.D
Acq: 22 Aug 2018 13:24

Instrument :
MSVOA_N
ClientSampleId :
VN0822MBSD01

Tot Ion	Ion	Ratio	Lower	Upper
76	76	100		
78	78	9.4	7.3	10.9

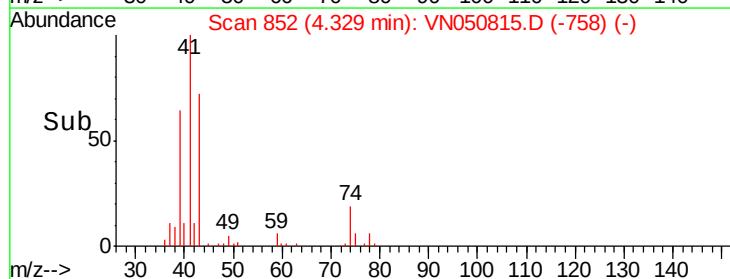
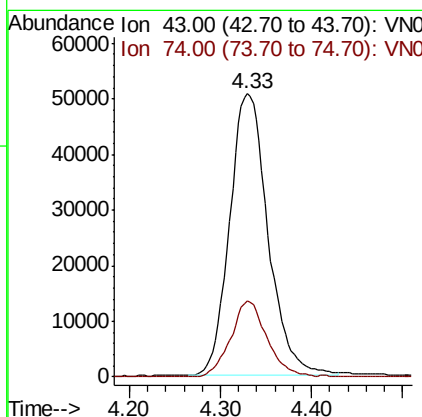
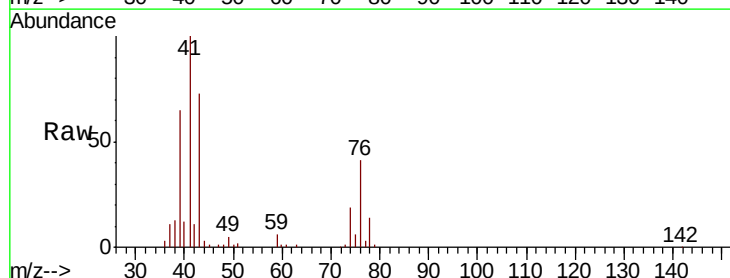
Manual Integrations
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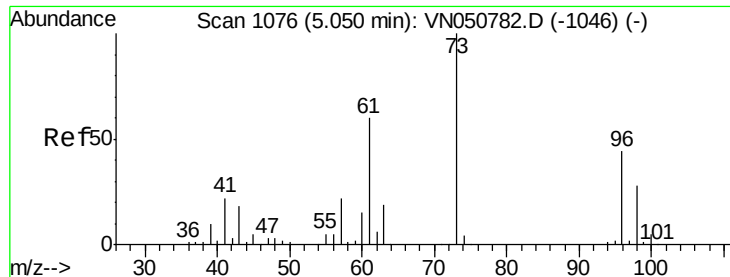
MMDadoda
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#18
Methyl Acetate
Concen: 19.37 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN050815.D
Acq: 22 Aug 2018 13:24

Tgt Ion	Ion	Ratio	Lower	Upper
43	43	100		
74	74	25.4	19.8	29.8





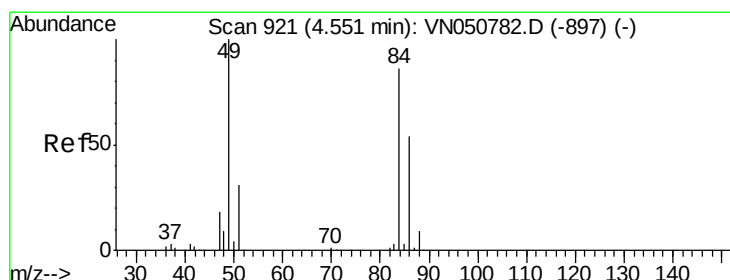
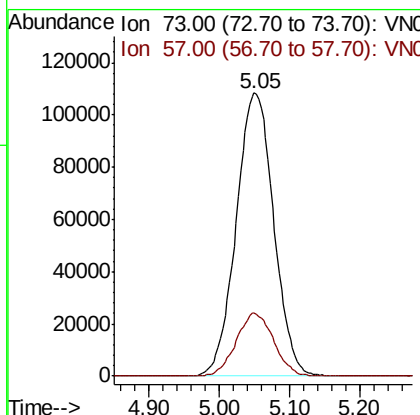
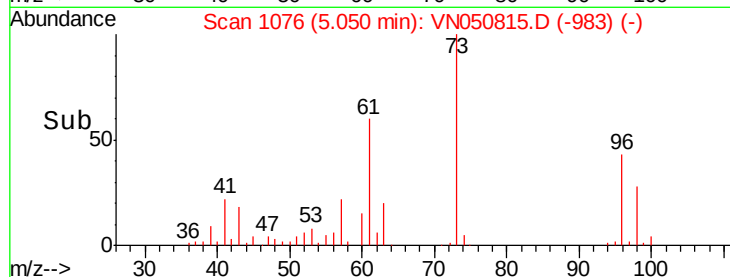
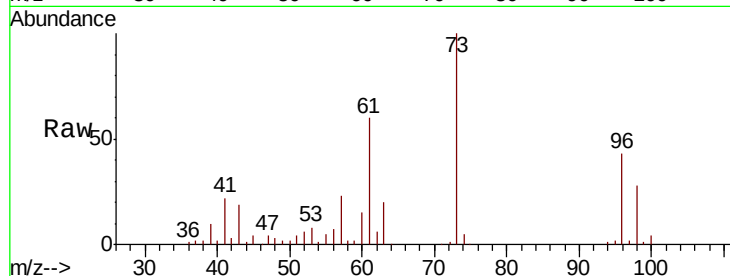
#19
Methvl tert-butyl Ether
Concen: 20.98 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VN050815.D
Acq: 22 Aug 2018 13:24

Instrument :
MSVOA_N
ClientSampleId :
VN0822MBSD01

Tot Ion	73	Resp	401486
Ion Ratio	100	Lower	Upper
57	22.5	17.8	26.8

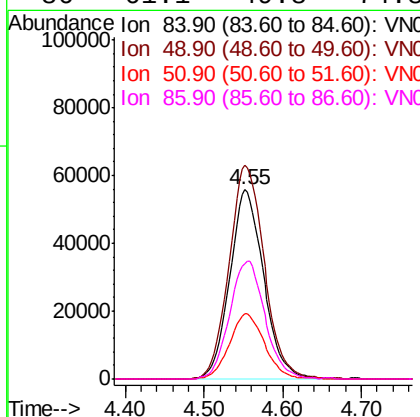
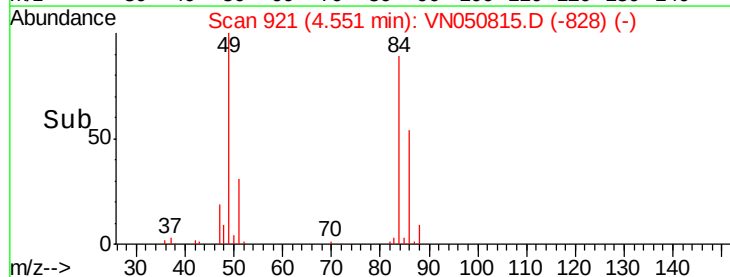
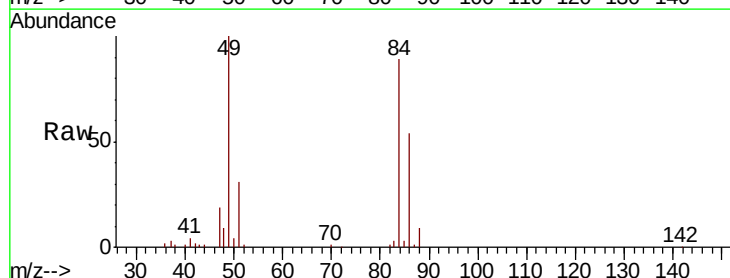
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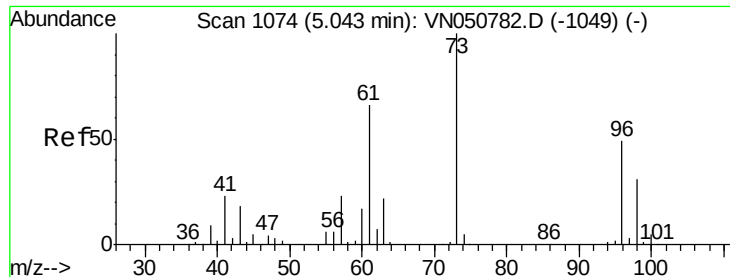
MMDadoda
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#20
Methylene Chloride
Concen: 18.29 ug/l
RT: 4.55 min Scan# 921
Delta R.T. -0.00 min
Lab File: VN050815.D
Acq: 22 Aug 2018 13:24

Tgt Ion	84	Resp	168114
Ion Ratio	100	Lower	Upper
49	112.8	93.2	139.8
51	34.5	29.0	43.6
86	61.1	49.8	74.8





#21

trans-1,2-Dichloroethene

Concen: 19.07 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VN050815.D

Acq: 22 Aug 2018 13:24

Instrument :

MSVOA_N

ClientSampleId :

VN0822MBSD01

Tot Ion: 96 Resp: 156865

Ion Ratio Lower Upper

96 100

61 138.6 107.4 161.0

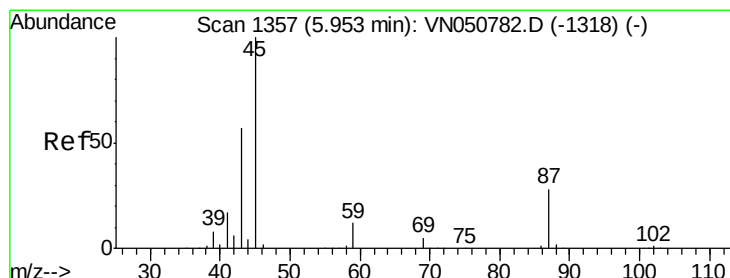
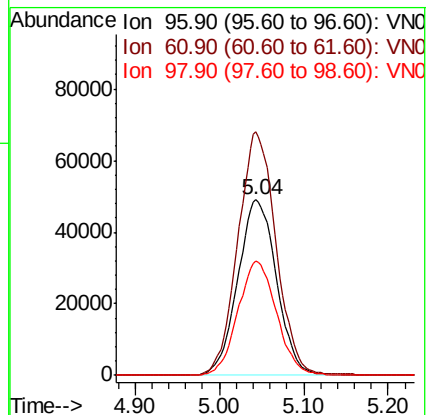
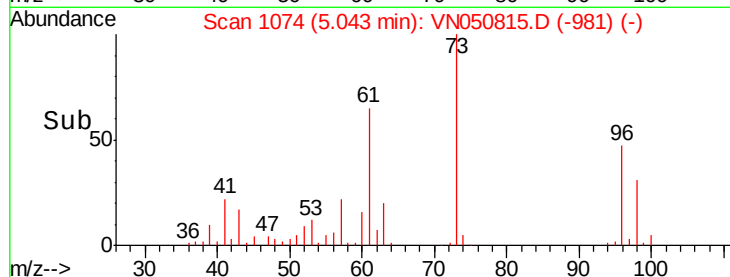
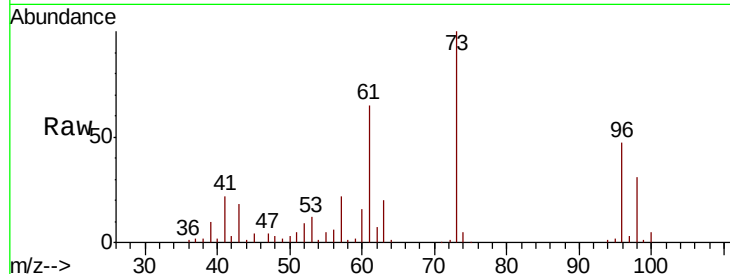
98 65.0 50.7 76.1

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#22

Diisopropyl ether

Concen: 20.54 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VN050815.D

Acq: 22 Aug 2018 13:24

Tgt Ion: 45 Resp: 485194

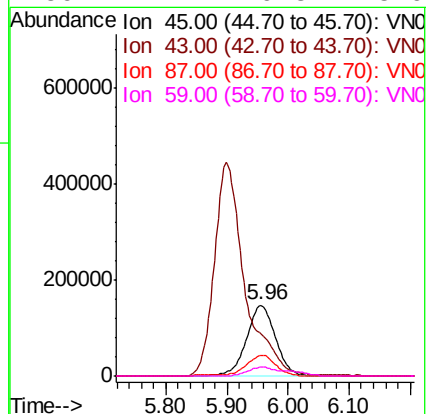
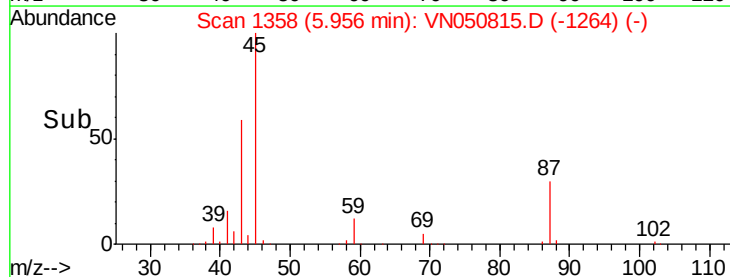
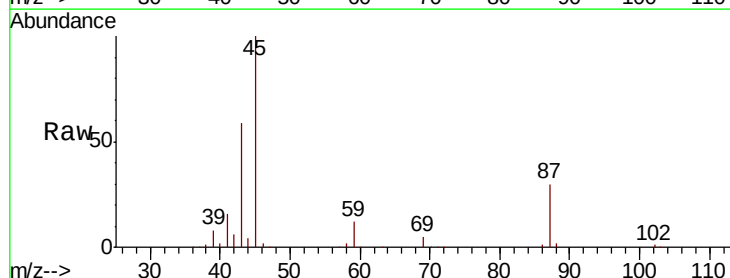
Ion Ratio Lower Upper

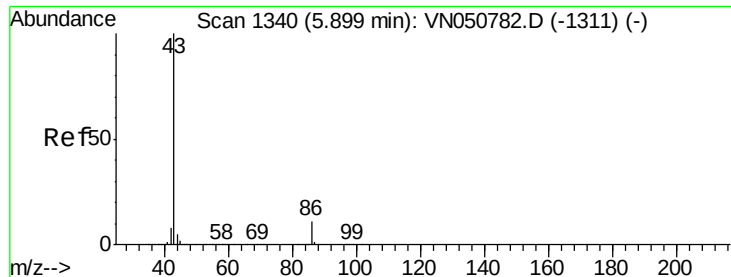
45 100

43 58.3 45.9 68.9

87 29.5 22.7 34.1

59 12.1 9.3 13.9





#23

Vinyl Acetate

Concen: 101.28 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN050815.D

Acq: 22 Aug 2018 13:24

Instrument :

MSVOA_N

ClientSampleId :

VN0822MBSD01

Tot Ion: 43 Resp: 1540841

Ion Ratio Lower Upper

43 100

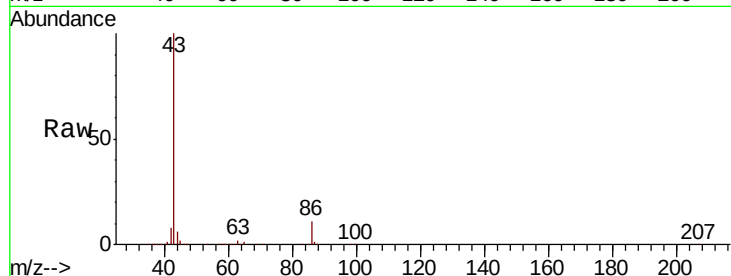
86 10.9 8.7 13.1

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

400000

300000

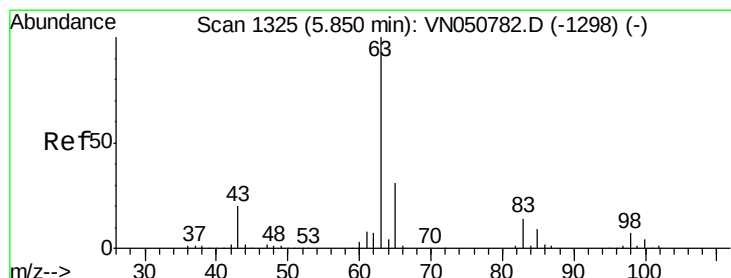
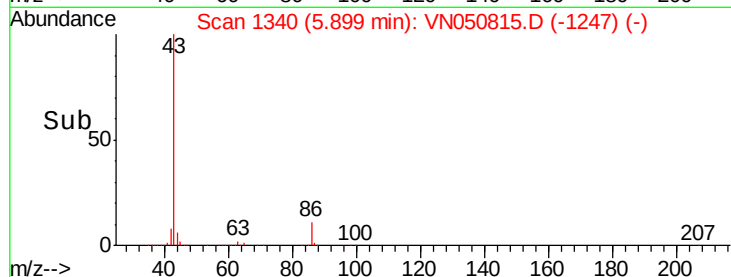
200000

100000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 19.44 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. -0.00 min

Lab File: VN050815.D

Acq: 22 Aug 2018 13:24

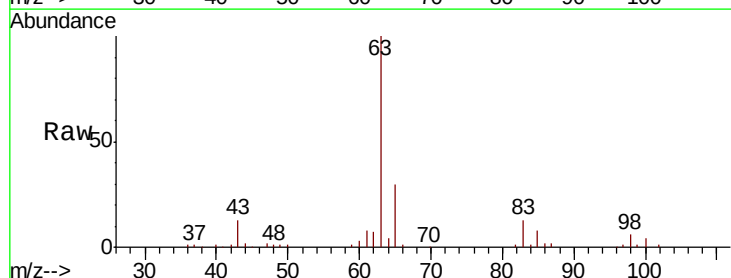
Tgt Ion: 63 Resp: 294875

Ion Ratio Lower Upper

63 100

98 6.1 3.3 9.8

100 4.5 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

120000

100000

80000

60000

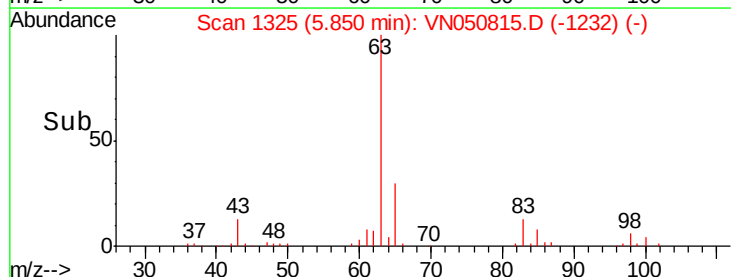
40000

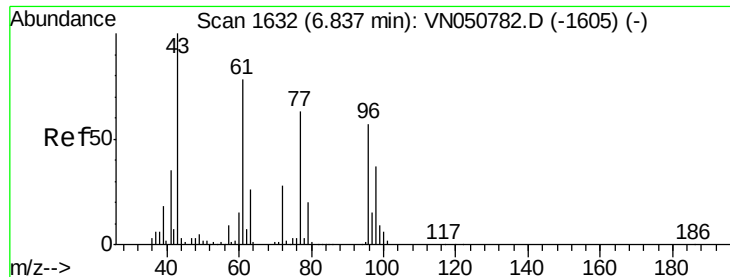
20000

0

5.70 5.80 5.90 6.00

Time-->





#25

2-Butanone

Concen: 89.32 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN050815.D

Acq: 22 Aug 2018 13:24

Instrument :

MSVOA_N

ClientSampleID :

VN0822MBSD01

Tot Ion: 43 Resp: 293495

Ion Ratio Lower Upper

43 100

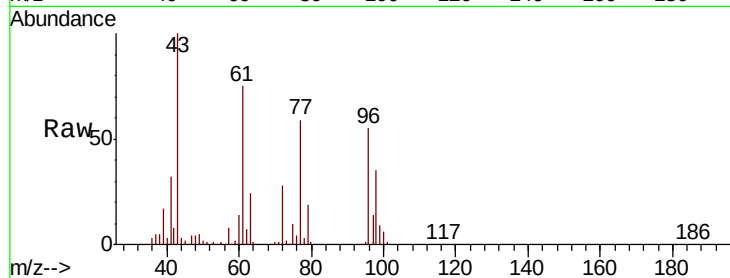
72 27.8 22.3 33.5

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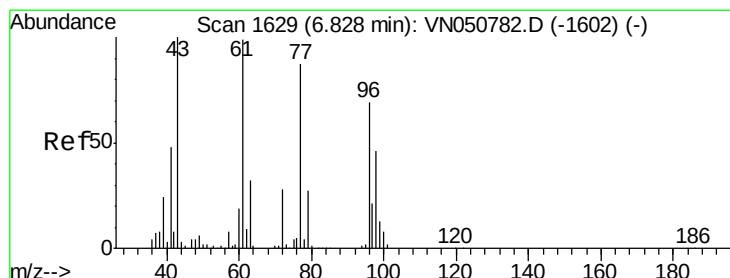
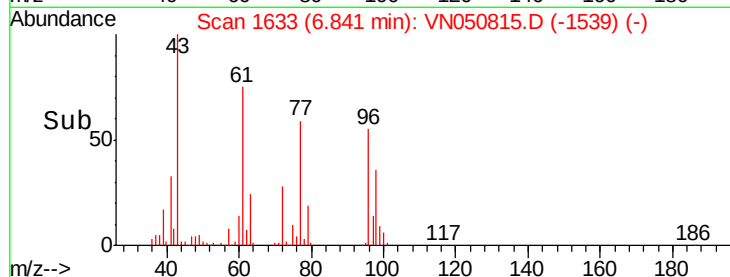
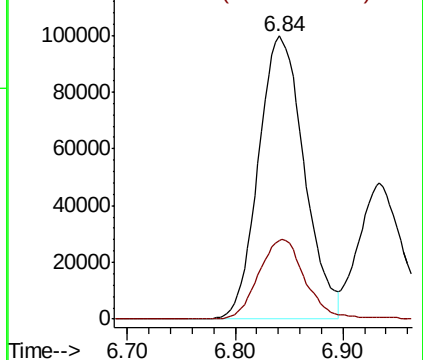
MMDadoda

8/23/2018 12:26:49 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 18.46 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN050815.D

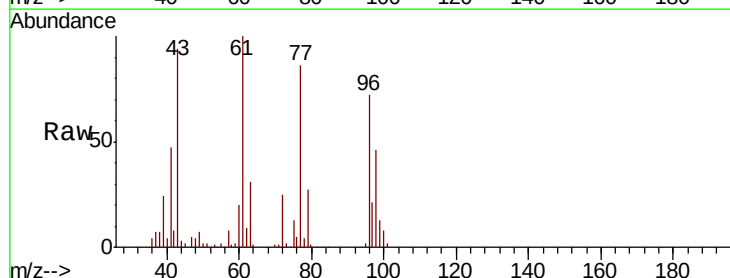
Acq: 22 Aug 2018 13:24

Tgt Ion: 77 Resp: 224940

Ion Ratio Lower Upper

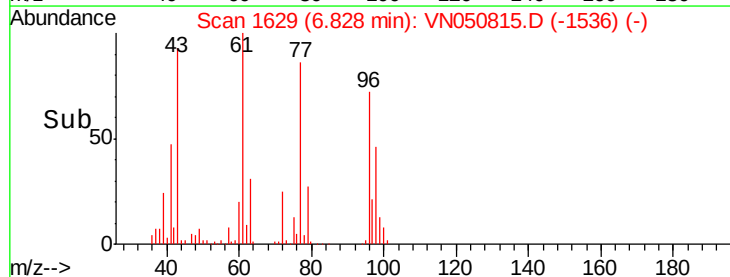
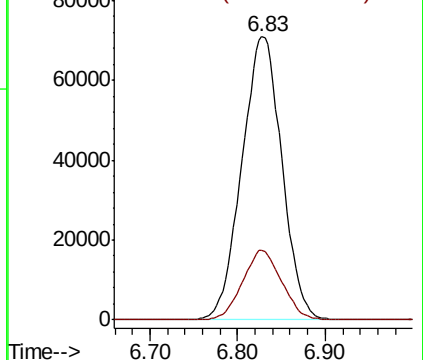
77 100

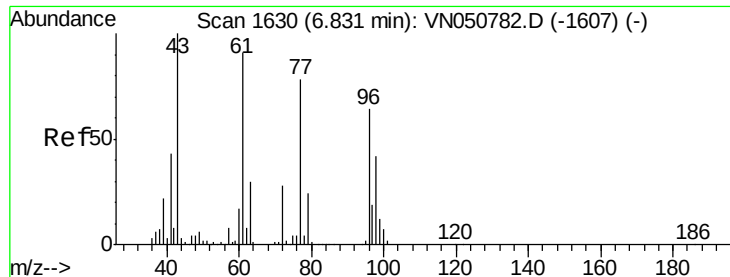
97 24.0 12.0 36.0



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 19.97 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VN050815.D

Acq: 22 Aug 2018 13:24

Instrument :

MSVOA_N

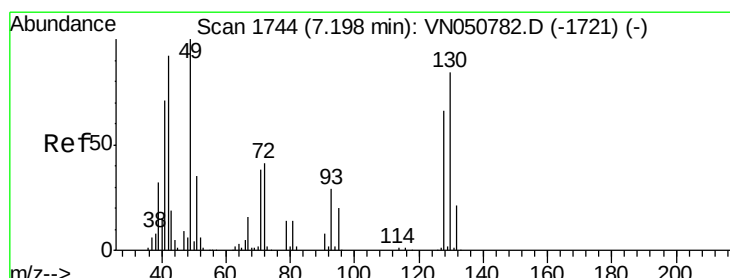
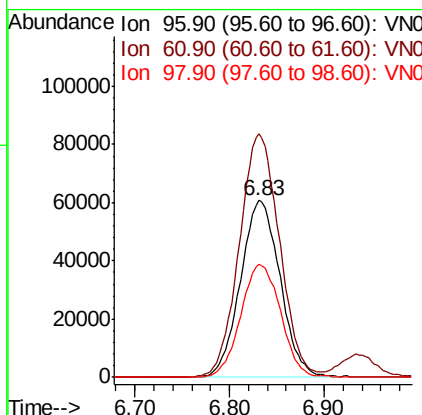
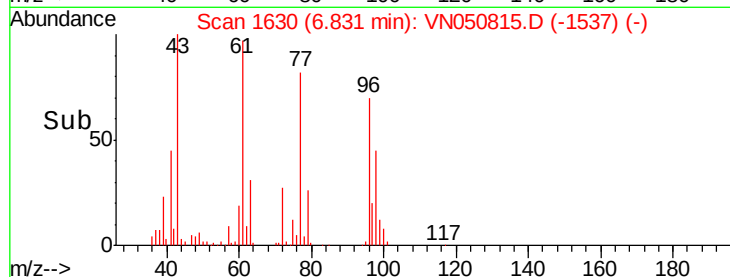
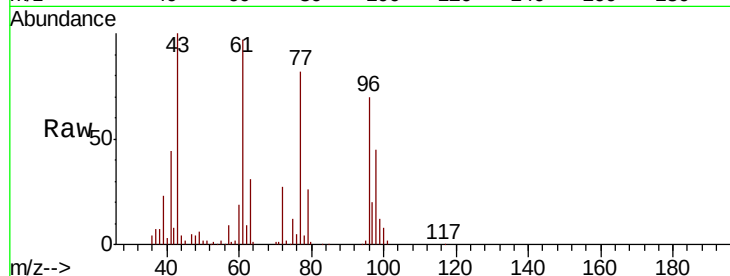
ClientSampleId :

VN0822MBSD01

Tot Ion:	96	Resp:	177166
Ion	Ratio	Lower	Upper
96	100		
61	139.1	0.0	283.4
98	64.4	0.0	129.8

Manual Integrations
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#28

Bromochloromethane

Concen: 19.33 ug/l

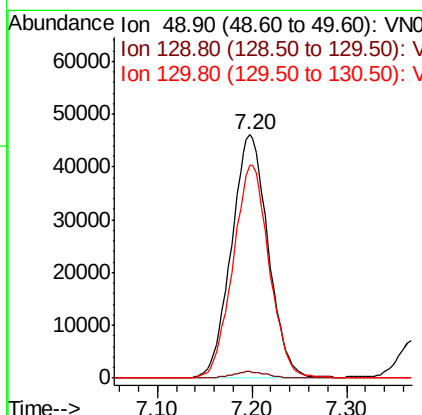
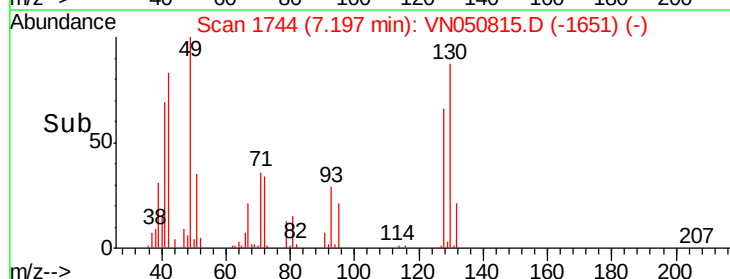
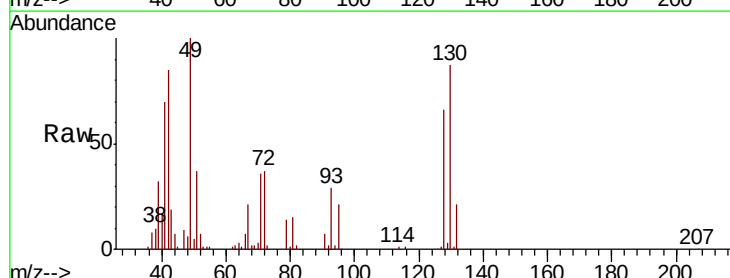
RT: 7.20 min Scan# 1744

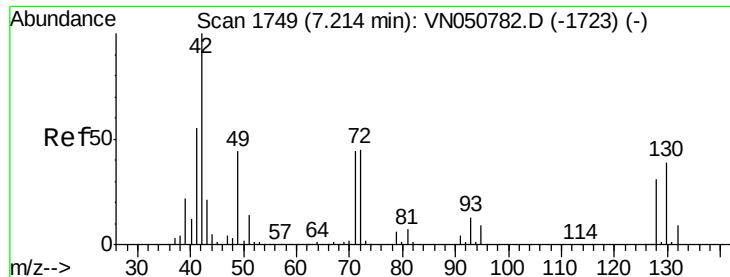
Delta R.T. -0.00 min

Lab File: VN050815.D

Acq: 22 Aug 2018 13:24

Tgt Ion:	49	Resp:	124583
Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.2
130	86.1	67.1	100.7





#29

Tetrahydrofuran

Concen: 106.35 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VN050815.D

Acq: 22 Aug 2018 13:24

Instrument :

MSVOA_N

ClientSampleId :

VN0822MBSD01

Tot Ion: 42 Resp: 200357

Ion Ratio Lower Upper

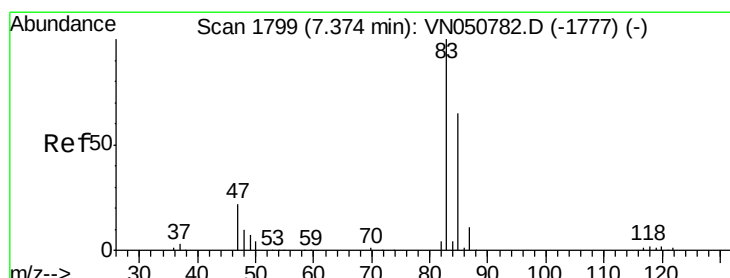
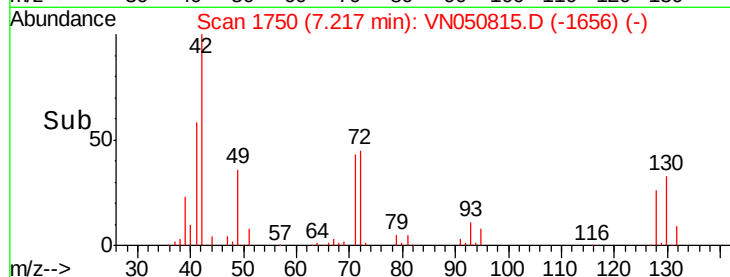
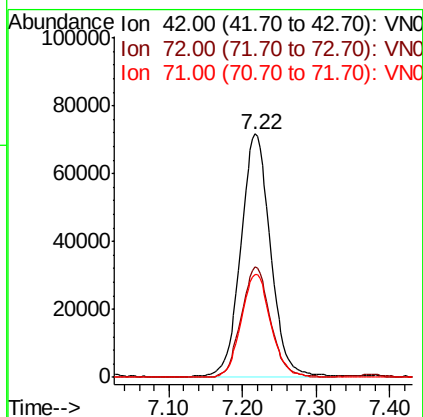
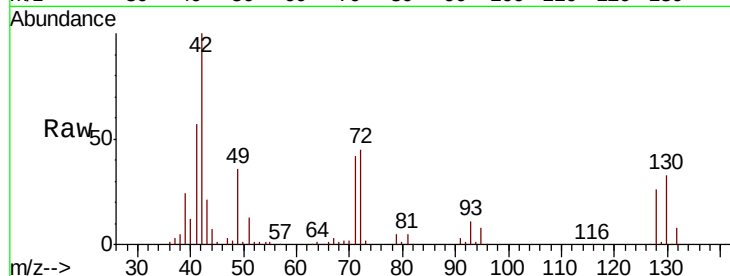
42 100

72 44.9 35.5 53.3

71 42.5 33.7 50.5

Manual Integrations
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#30

Chloroform

Concen: 19.61 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. -0.00 min

Lab File: VN050815.D

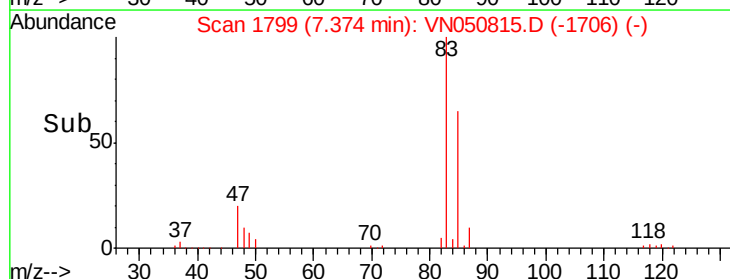
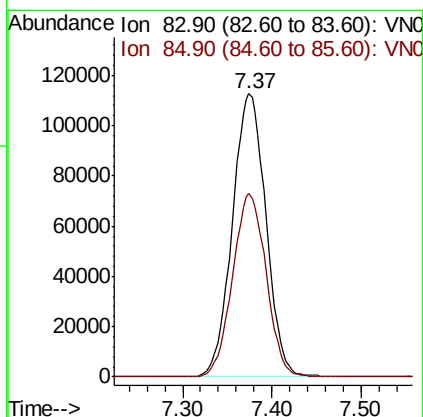
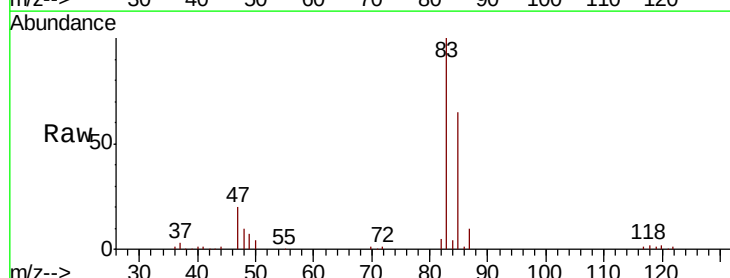
Acq: 22 Aug 2018 13:24

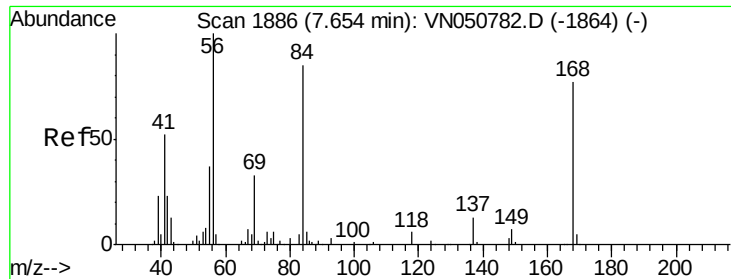
Tgt Ion: 83 Resp: 294567

Ion Ratio Lower Upper

83 100

85 64.7 52.2 78.4





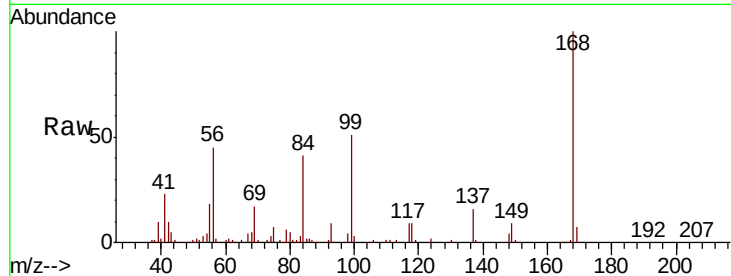
#31
Cyclohexane
Concen: 19.32 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN050815.D
Acq: 22 Aug 2018 13:24

Instrument :
MSVOA_N
ClientSampled :
VN0822MBS01

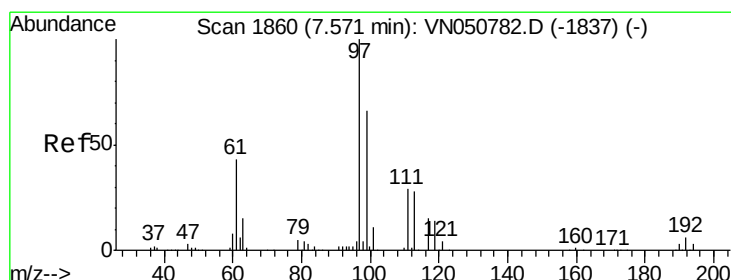
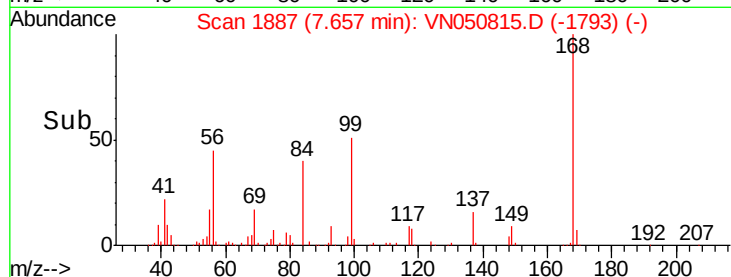
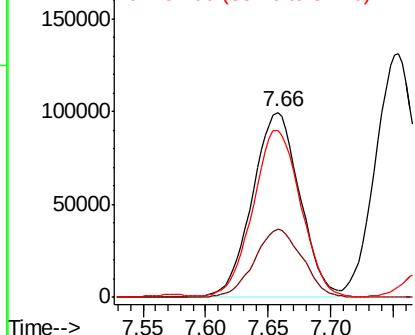
Tot Ion	Ratio	Lower	Upper
56	100		
69	36.6	26.2	39.4
84	89.2	68.3	102.5

Manual Integrations
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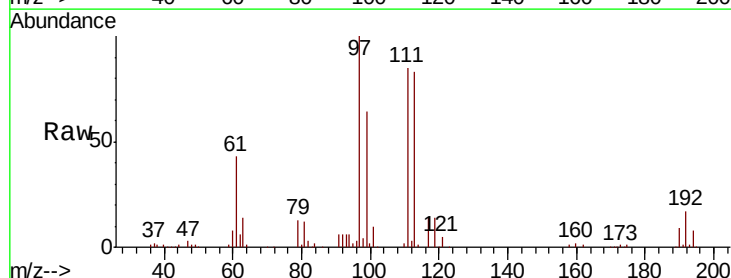


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

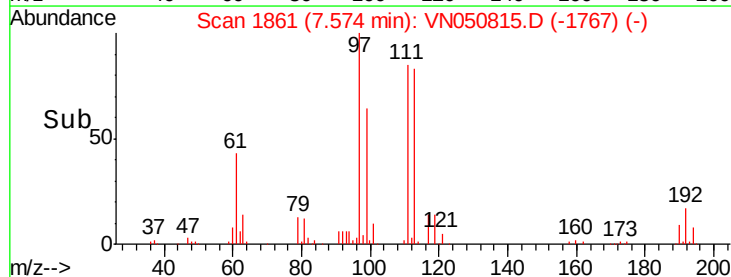
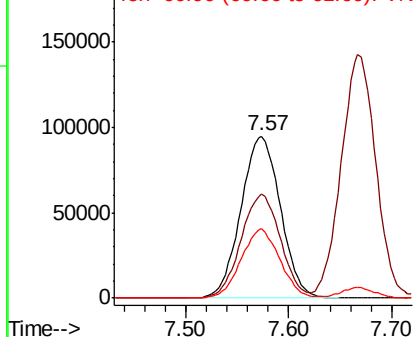


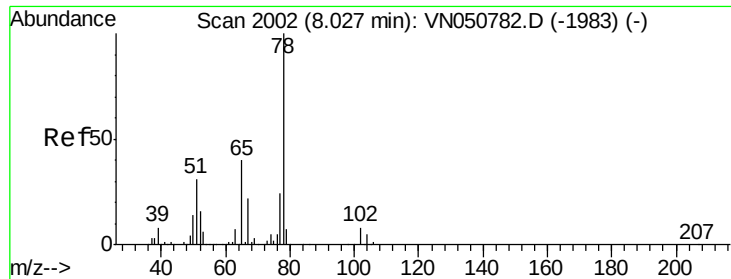
#32
1,1,1-Trichloroethane
Concen: 19.56 ug/l
RT: 7.57 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN050815.D
Acq: 22 Aug 2018 13:24

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.8	77.6
61	42.0	34.9	52.3



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





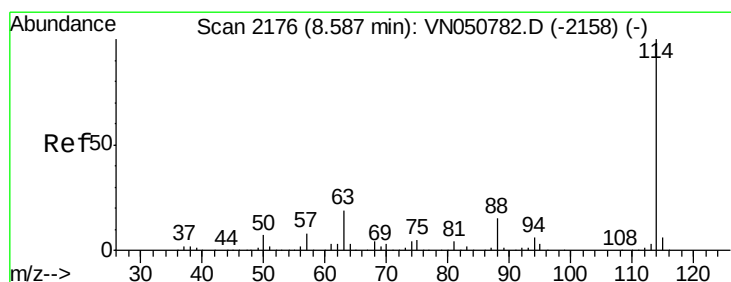
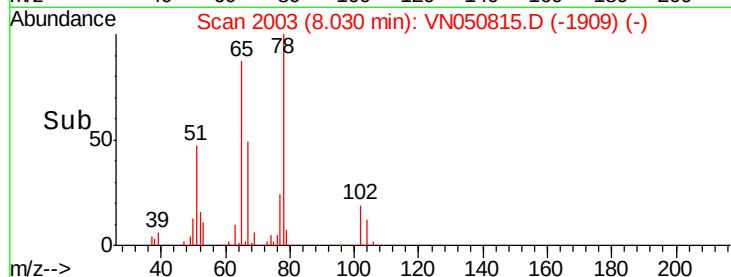
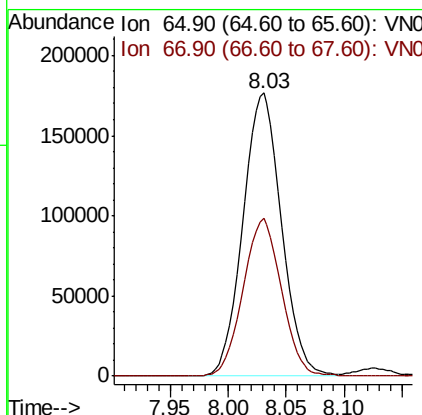
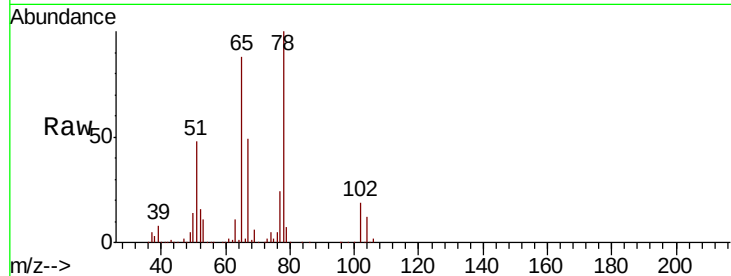
#33
 1,2-Dichloroethane-d4
 Concen: 50.07 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050815.D
 Acq: 22 Aug 2018 13:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.5	0.0	110.4	

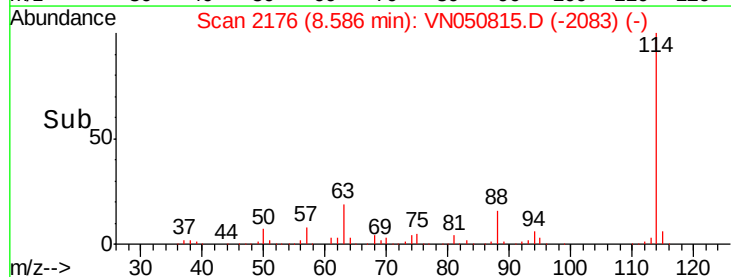
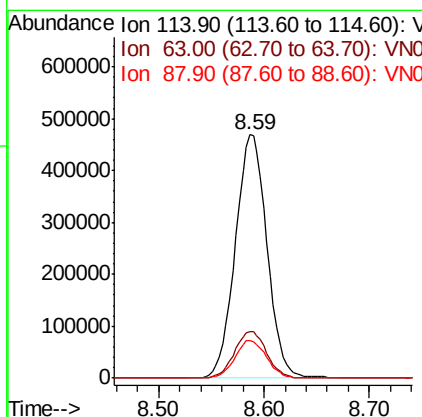
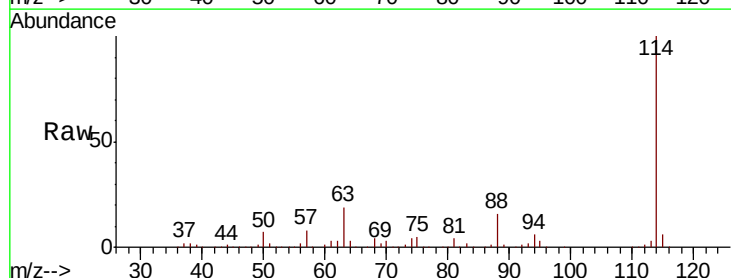
Manual Integrations
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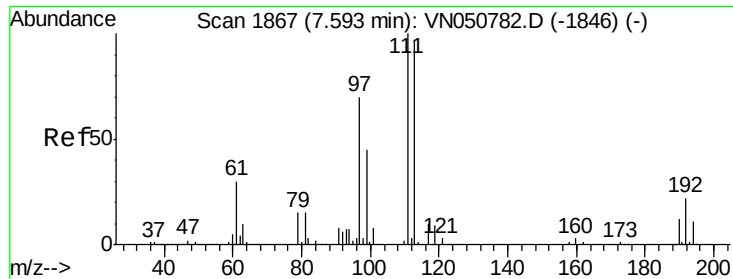
MMDadoda
 8/23/2018 12:26:49 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050815.D
 Acq: 22 Aug 2018 13:24

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.2	0.0	38.6	
88	15.6	0.0	30.6	





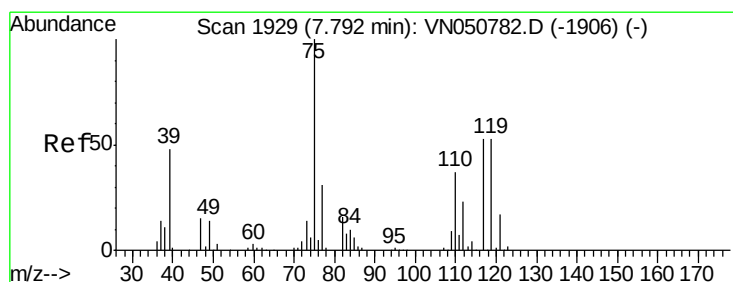
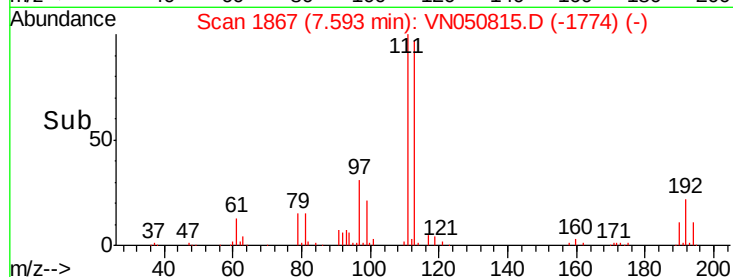
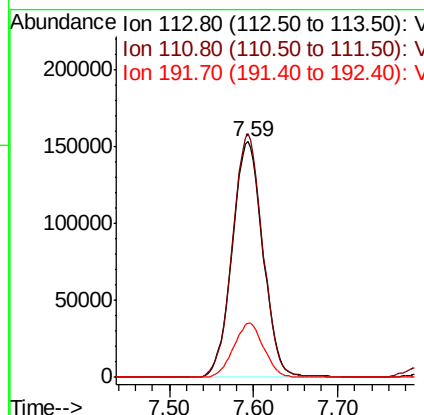
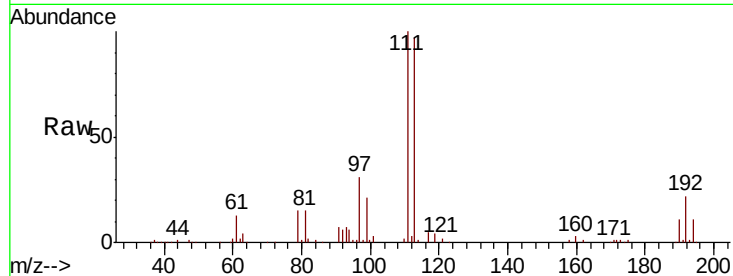
#35
 Dibromofluoromethane
 Concen: 49.94 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050815.D
 Acq: 22 Aug 2018 13:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.3	82.6	123.8	
192	22.7	18.0	27.0	

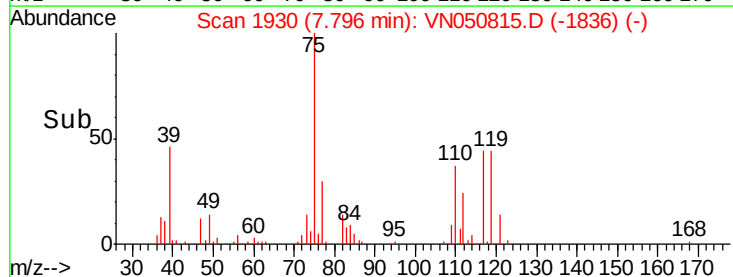
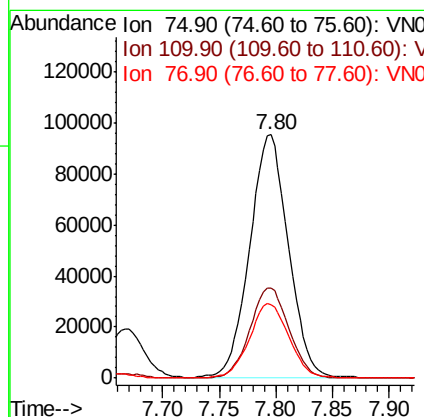
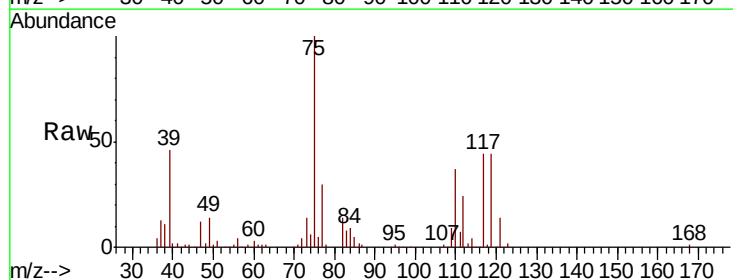
Manual Integrations
 APPROVED

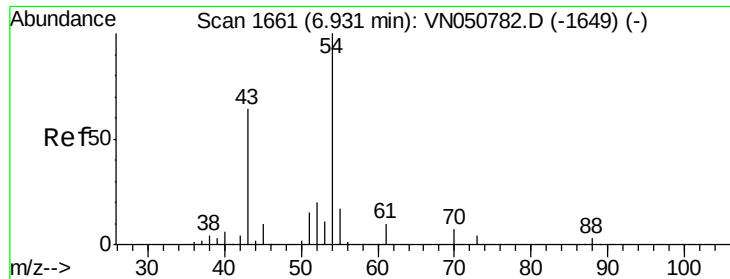
MMDadoda
 8/23/2018 12:26:49 PM



#36
 1,1-Dichloropropene
 Concen: 19.54 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050815.D
 Acq: 22 Aug 2018 13:24

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.5	18.1	54.4	
77	31.6	24.8	37.2	





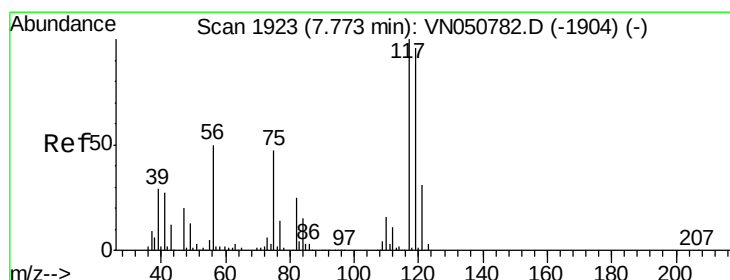
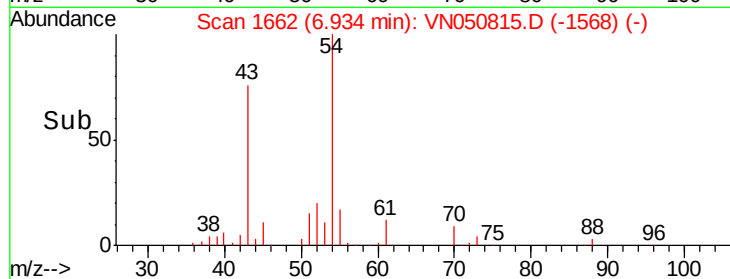
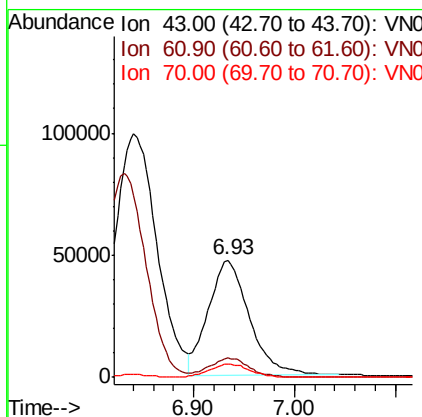
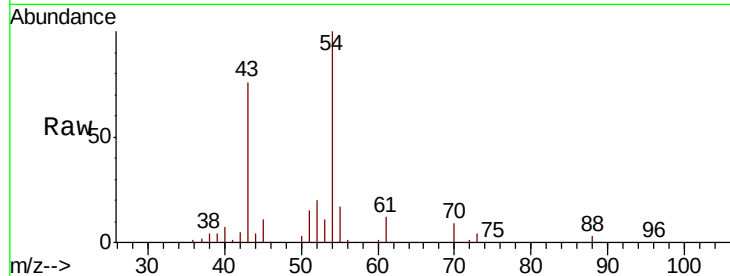
#37
Ethyl Acetate
Concen: 20.38 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN050815.D
Acq: 22 Aug 2018 13:24

Instrument :
MSVOA_N
ClientSampleID :
VN0822MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.6	12.0	18.0
70	11.4	8.6	13.0

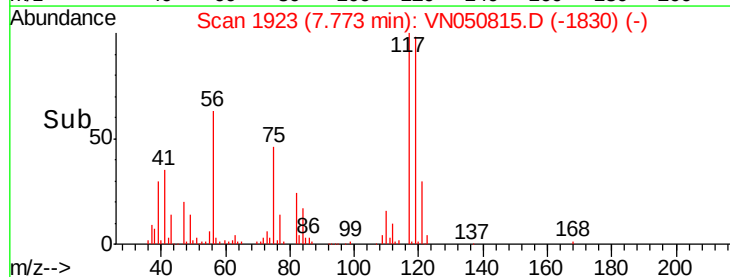
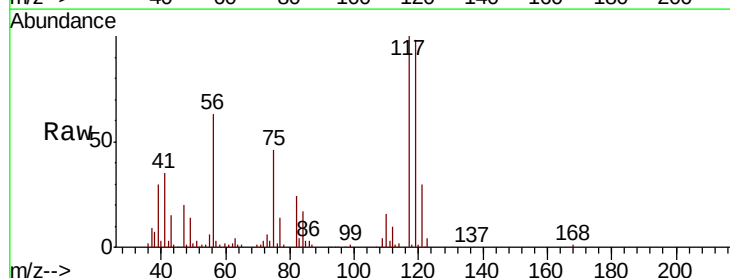
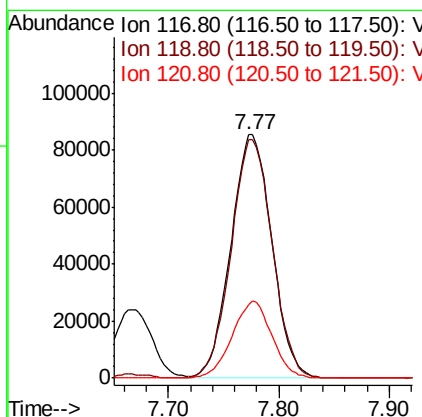
Manual Integrations
APPROVED

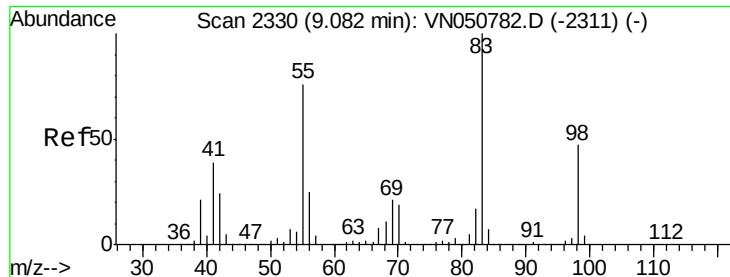
MMDadoda
8/23/2018 12:26:49 PM



#38
Carbon Tetrachloride
Concen: 18.87 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050815.D
Acq: 22 Aug 2018 13:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.8	76.3	114.5
121	30.3	24.6	36.8





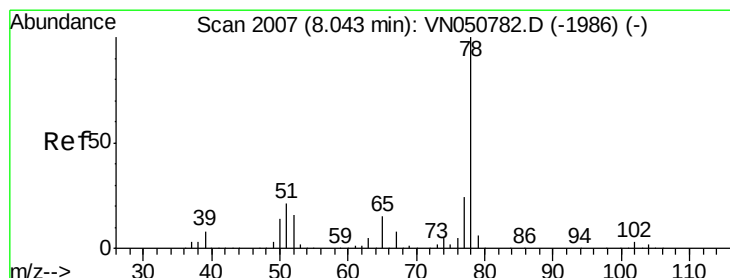
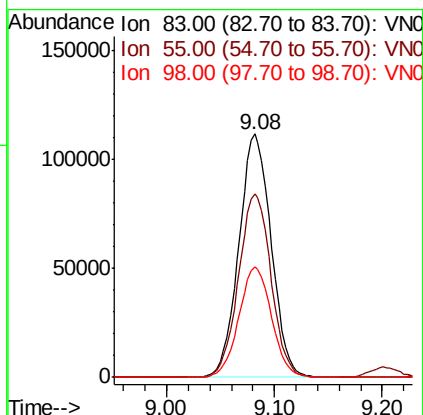
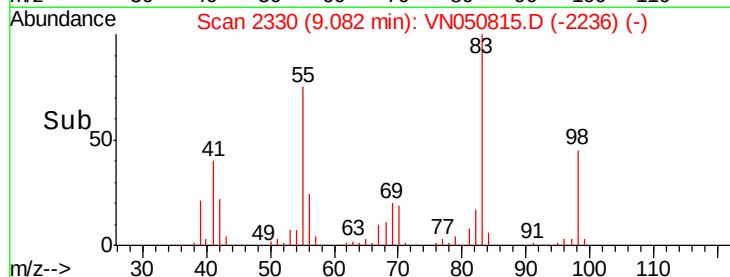
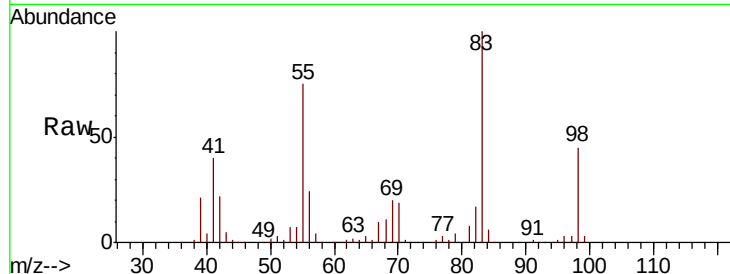
#39
Methylvlcyclohexane
Concen: 18.62 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050815.D
Acq: 22 Aug 2018 13:24

Instrument :
MSVOA_N
ClientSampleId :
VN0822MBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.2	61.0	91.4
98	45.3	37.5	56.3

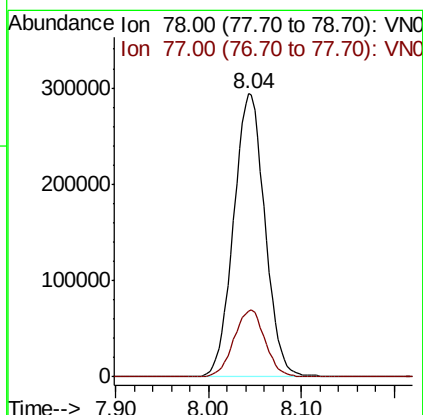
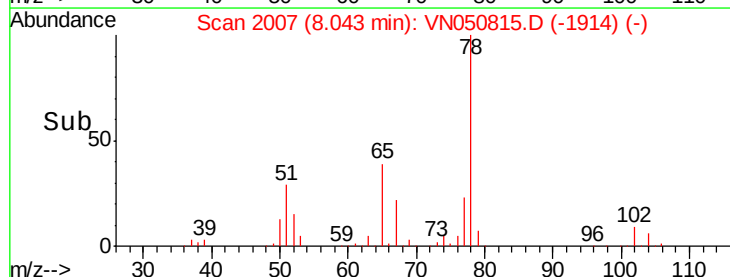
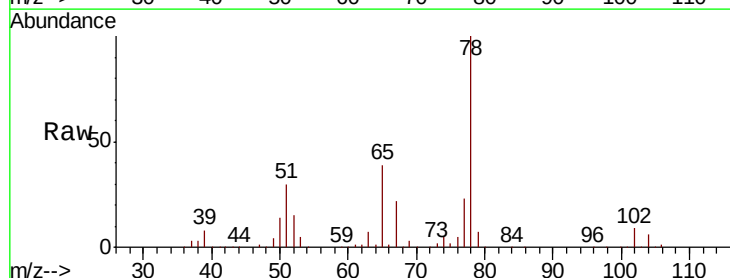
Manual Integrations
APPROVED

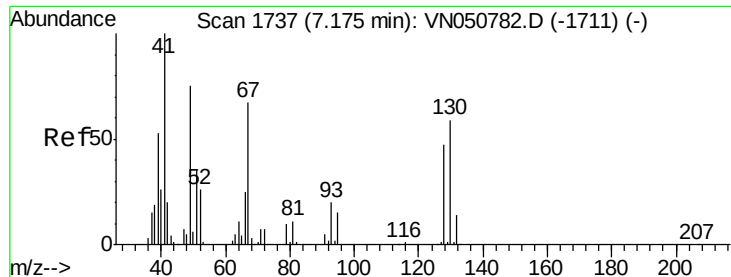
MMDadoda
8/23/2018 12:26:49 PM



#40
Benzene
Concen: 19.79 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050815.D
Acq: 22 Aug 2018 13:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.0	28.4





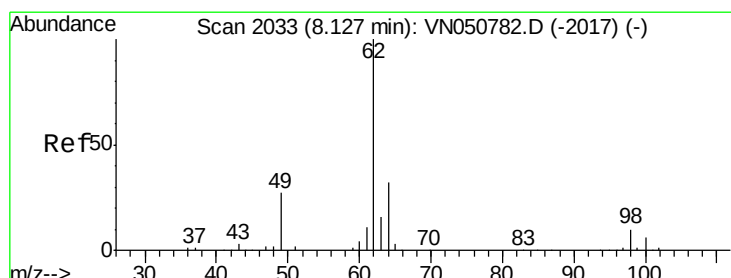
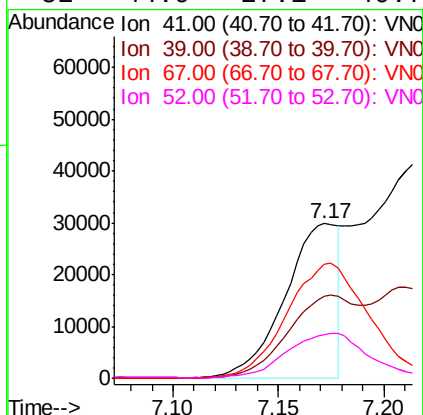
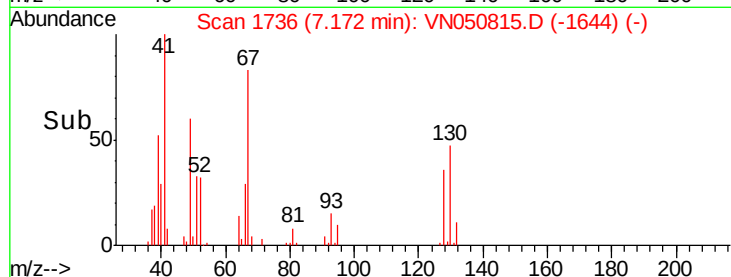
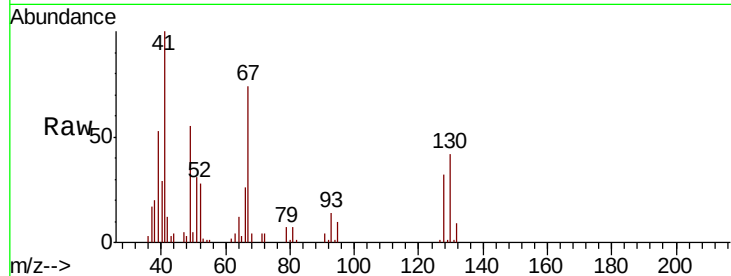
#41
Methacrylonitrile
Concen: 14.69 ug/l
RT: 7.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN050815.D
Acq: 22 Aug 2018 13:24

Instrument :
MSVOA_N
ClientSampleId :
VN0822MBSD01

Tot Ion	41	Resp	52671
Ion	Ratio	Lower	Upper
41	100		
39	67.3	45.4	68.0
67	116.2	70.6	106.0#
52	44.9	27.1	40.7#

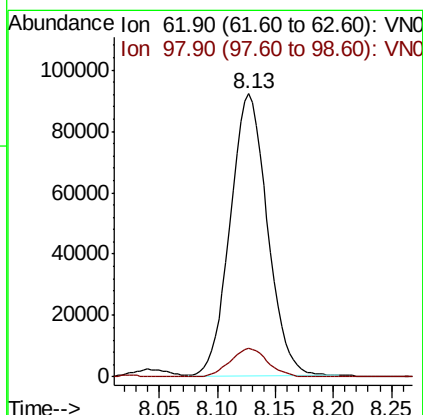
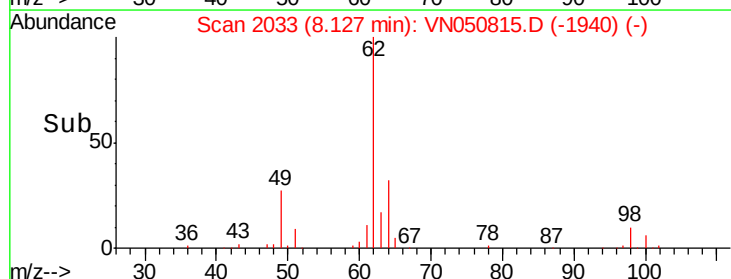
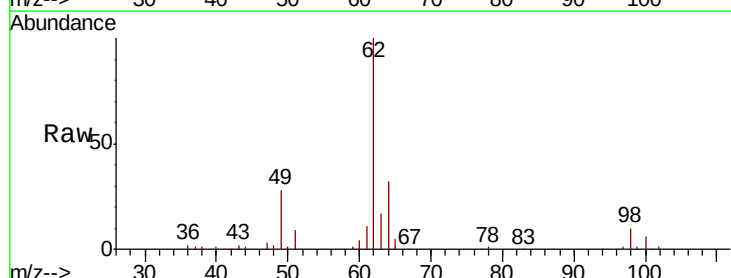
Manual Integrations
APPROVED

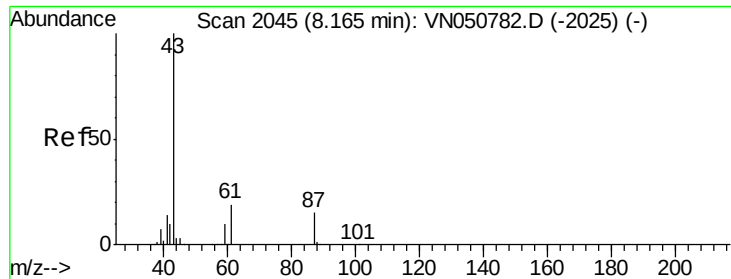
MMDadoda
8/23/2018 12:26:49 PM



#42
1,2-Dichloroethane
Concen: 19.70 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN050815.D
Acq: 22 Aug 2018 13:24

Tgt Ion	62	Resp	204877
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	19.6





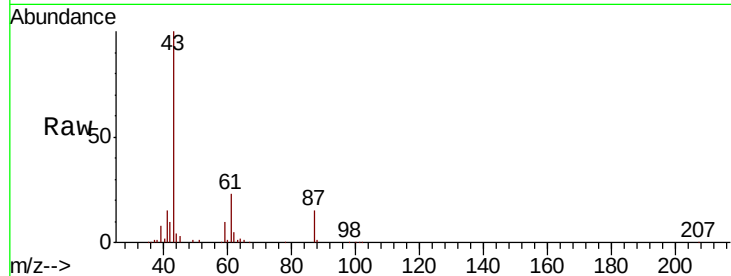
#43
Isopropyl Acetate
Concen: 21.35 ug/l
RT: 8.17 min Scan# 2045
Delta R.T. 0.00 min
Lab File: VN050815.D
Acq: 22 Aug 2018 13:24

Instrument :
MSVOA_N
ClientSampleId :
VN0822MBSD01

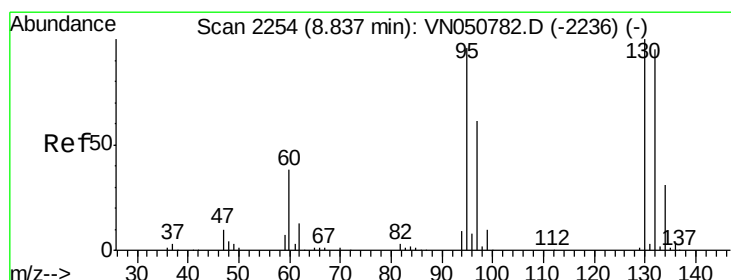
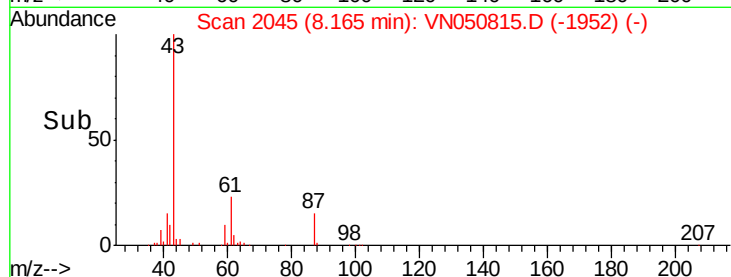
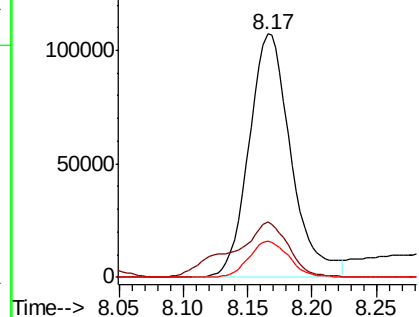
Tot Ion	Ratio	Lower	Upper
43	100		
61	29.8	17.5	26.3#
87	14.3	11.3	16.9

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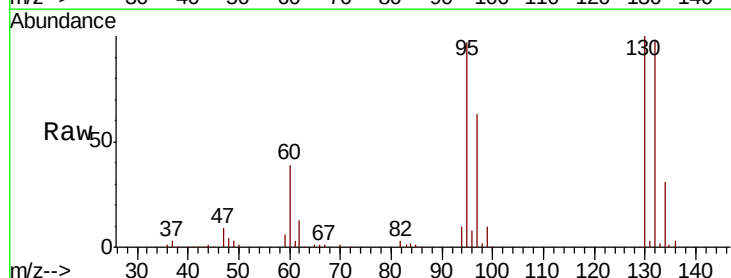


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0

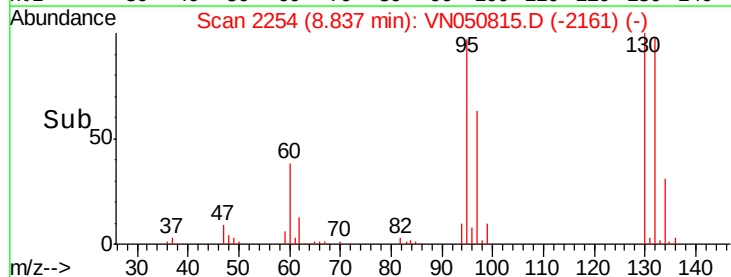
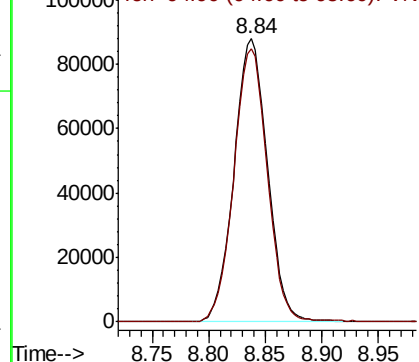


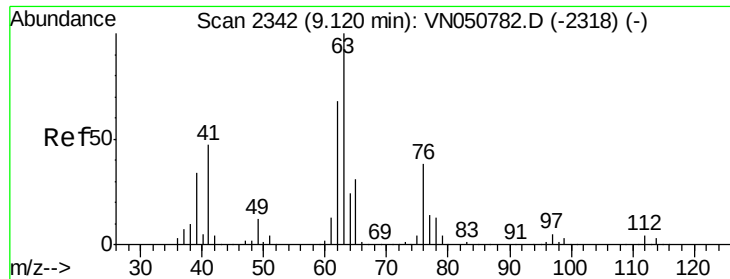
#44
Trichloroethene
Concen: 19.77 ug/l
RT: 8.84 min Scan# 2254
Delta R.T. -0.00 min
Lab File: VN050815.D
Acq: 22 Aug 2018 13:24

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.6	0.0	193.0



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VN0





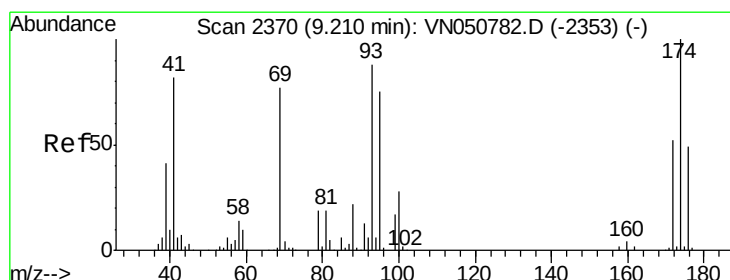
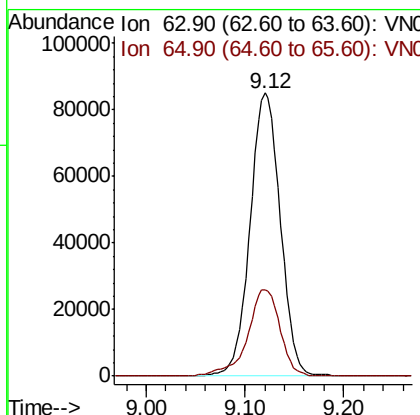
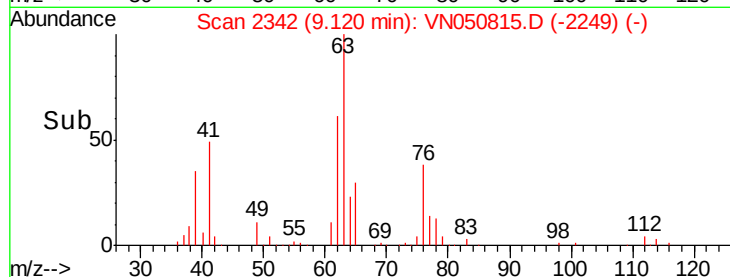
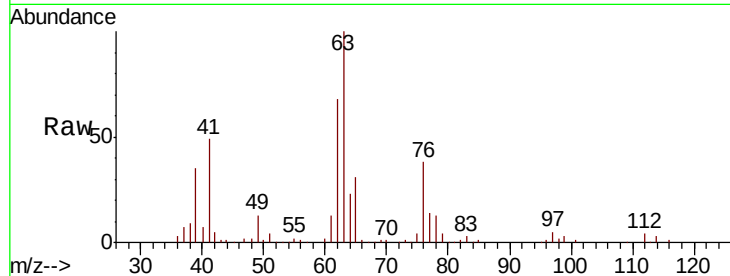
#45
 1,2-Dichloropropane
 Concen: 19.67 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN050815.D
 Acq: 22 Aug 2018 13:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822MBSD01

Tot Ion: 63 Resp: 179854
 Ion Ratio Lower Upper
 63 100
 65 30.7 25.0 37.6

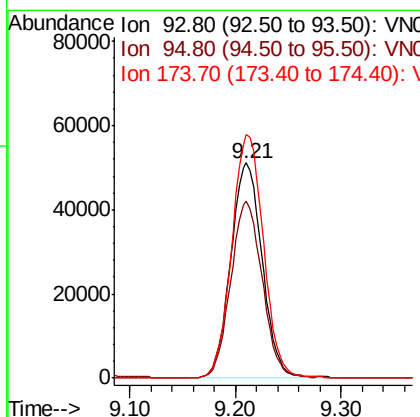
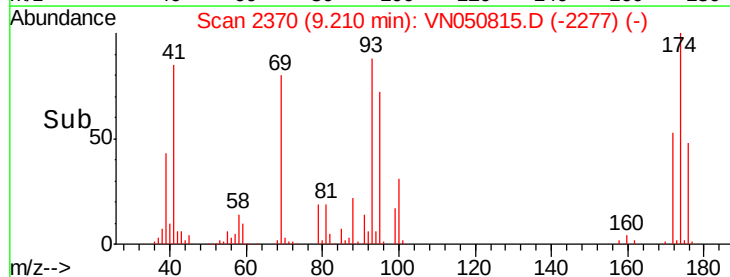
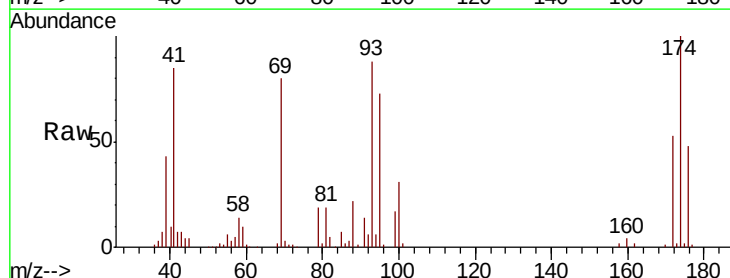
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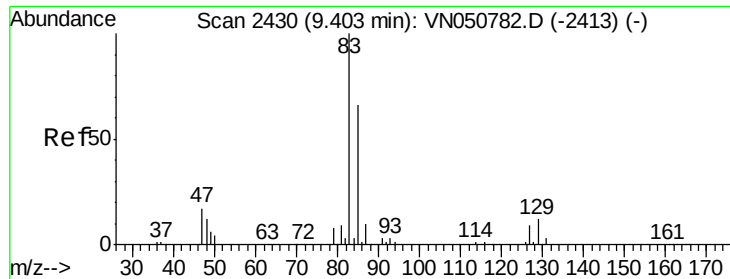
MMDadoda
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#46
 Dibromomethane
 Concen: 19.68 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN050815.D
 Acq: 22 Aug 2018 13:24

Tgt Ion: 93 Resp: 105723
 Ion Ratio Lower Upper
 93 100
 95 82.2 66.7 100.1
 174 113.9 89.8 134.6





#47

Bromodichloromethane

Concen: 19.40 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN050815.D

Acq: 22 Aug 2018 13:24

Instrument :

MSVOA_N

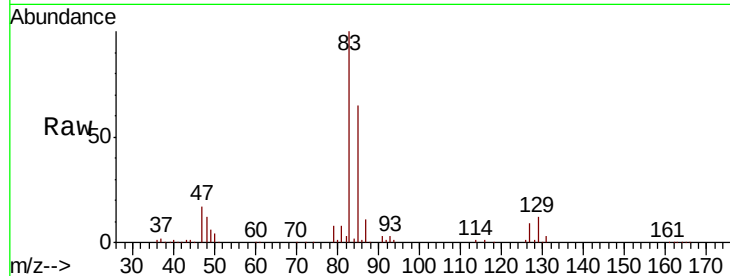
ClientSampleId :

VN0822MBSD01

Tot Ion:	83	Resp:	218307
Ion Ratio	Lower	Upper	
83	100		
85	65.2	52.6	78.8
127	9.0	7.2	10.8

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Abundance Ion 82.90 (82.60 to 83.60): VN050815.D (-2413) (-)

Ion 84.90 (84.60 to 85.60): VN050815.D (-2413) (-)

Ion 126.80 (126.50 to 127.50): VN050815.D (-2413) (-)

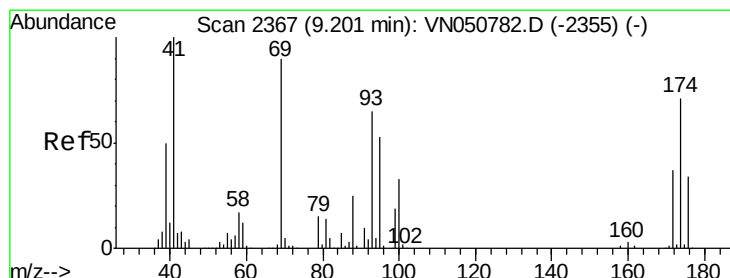
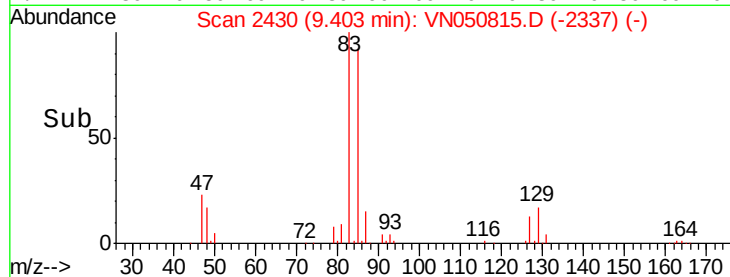
9.40

100000

50000

0

Time-->



#48

Methyl methacrylate

Concen: 19.91 ug/l

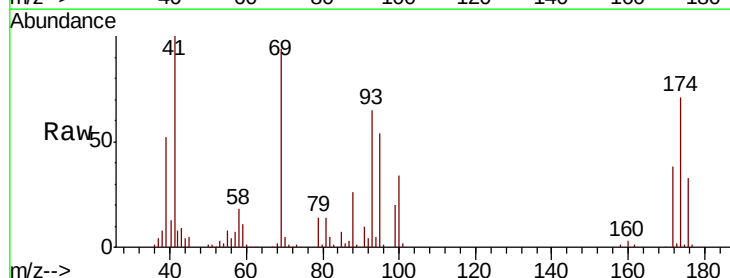
RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN050815.D

Acq: 22 Aug 2018 13:24

Tgt Ion:	41	Resp:	115597
Ion Ratio	Lower	Upper	
41	100		
69	97.8	74.7	112.1
39	52.8	42.2	63.2



Abundance Ion 41.00 (40.70 to 41.70): VN050815.D (-2367) (-)

Ion 69.00 (68.70 to 69.70): VN050815.D (-2367) (-)

Ion 39.00 (38.70 to 39.70): VN050815.D (-2367) (-)

9.20

80000

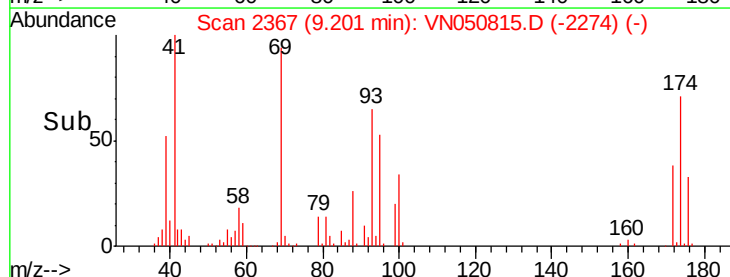
60000

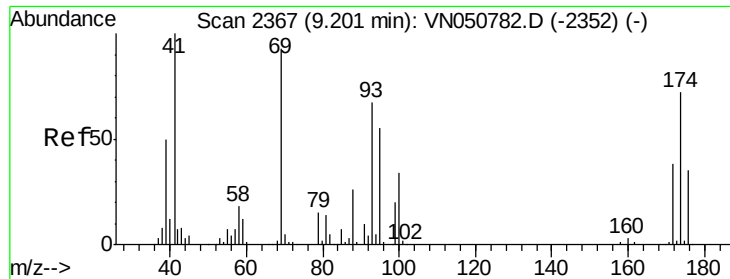
40000

20000

0

Time-->





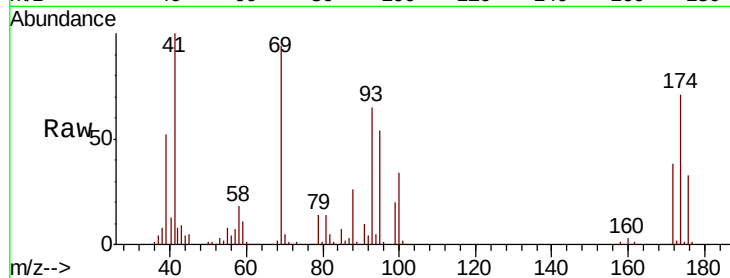
#49
 1,4-Dioxane
 Concen: 408.41 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VN050815.D
 Acq: 22 Aug 2018 13:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822MBSD01

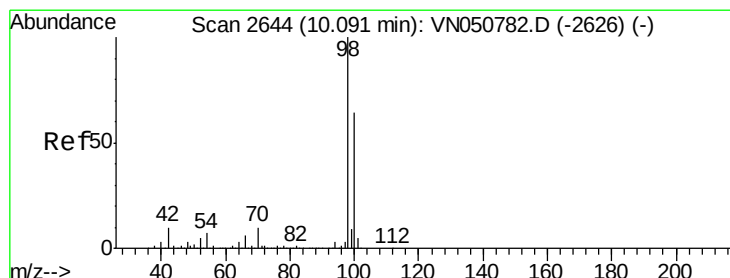
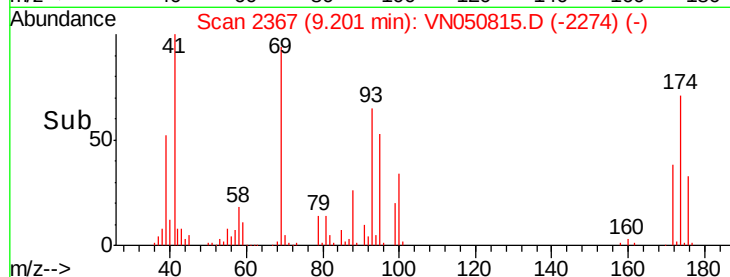
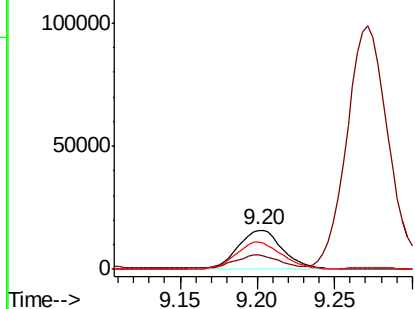
Tot Ion	Ratio	Lower	Upper
88	100		
43	31.6	25.9	38.9
58	70.8	55.0	82.4

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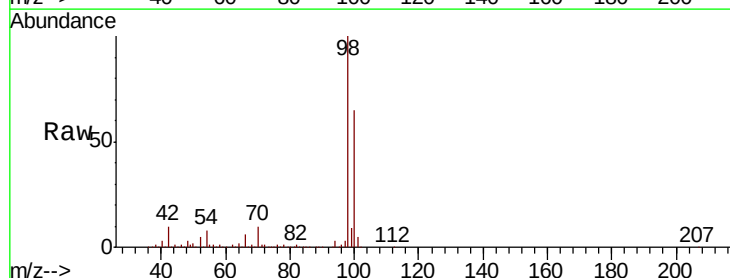


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

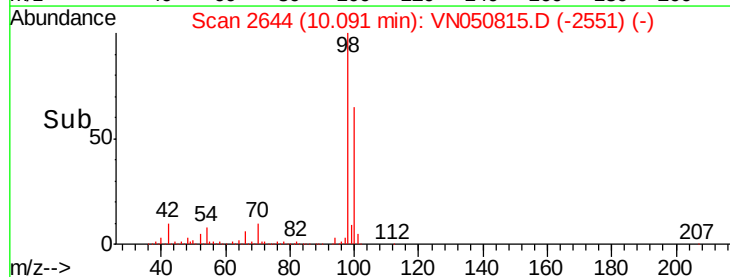
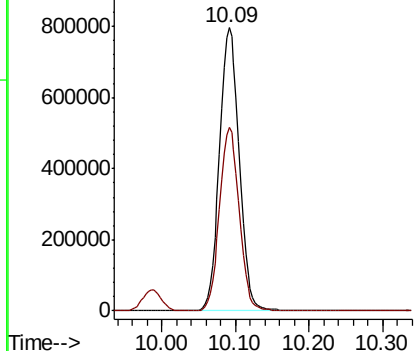


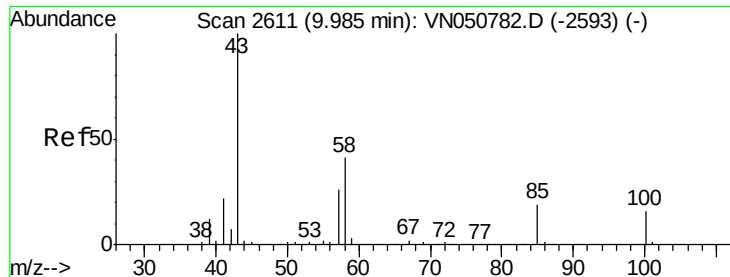
#50
 Toluene-d8
 Concen: 50.95 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VN050815.D
 Acq: 22 Aug 2018 13:24

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.5	77.3



Abundance Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 99.14 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN050815.D

Acq: 22 Aug 2018 13:24

Instrument :

MSVOA_N

ClientSampleId :

VN0822MBSD01

Tot Ion: 43 Resp: 674006

Ion Ratio Lower Upper

43 100

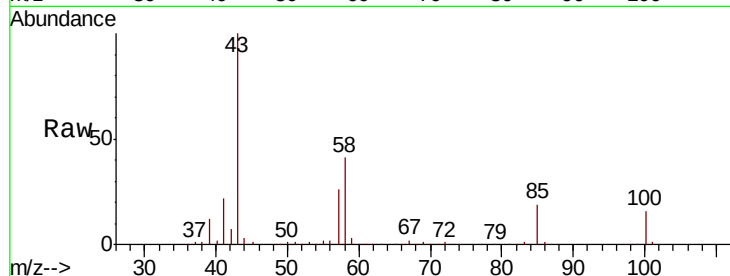
58 40.9 32.4 48.6

Manual Integrations

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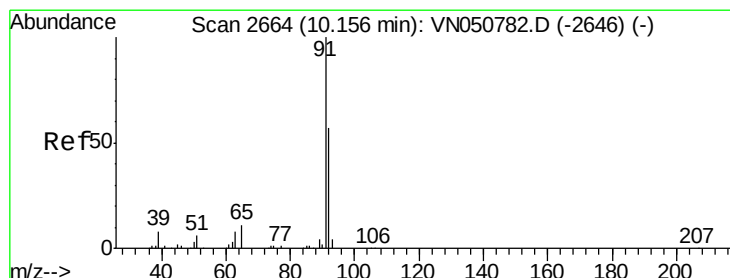
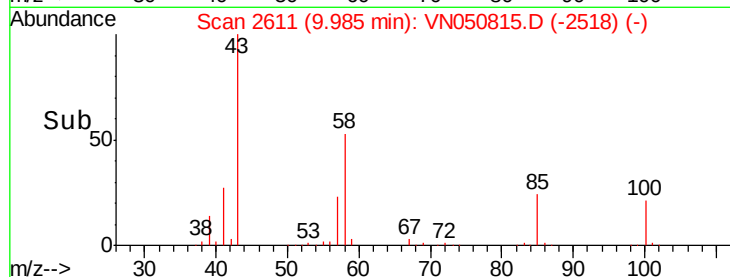
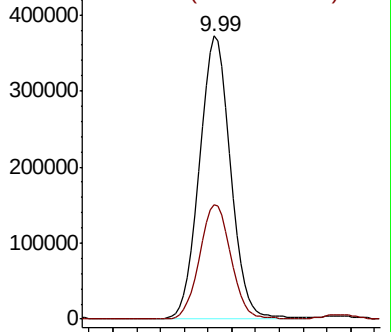
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.66 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050815.D

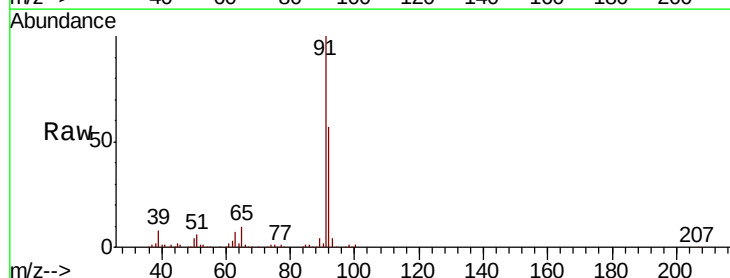
Acq: 22 Aug 2018 13:24

Tgt Ion: 92 Resp: 425779

Ion Ratio Lower Upper

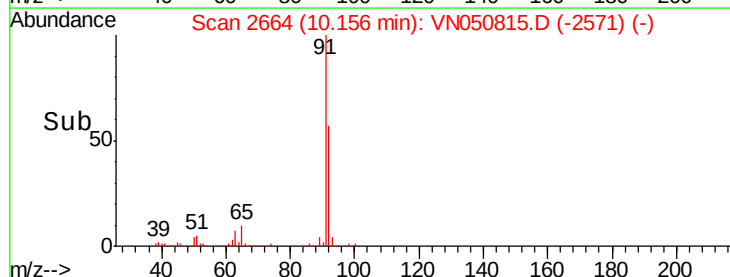
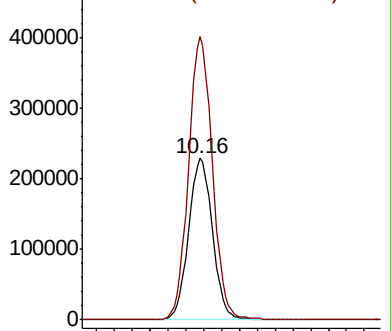
92 100

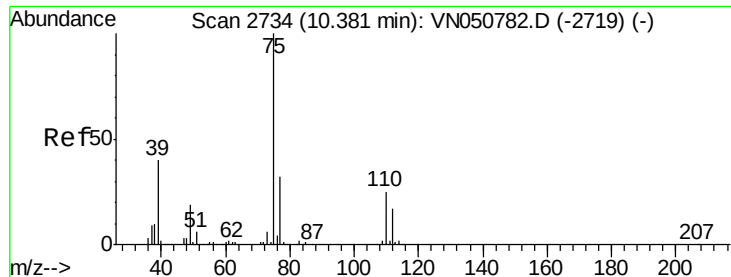
91 174.2 140.6 211.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





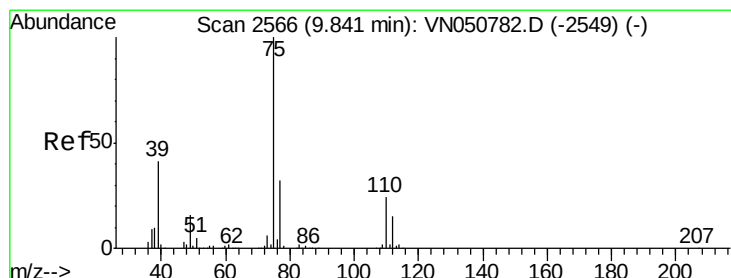
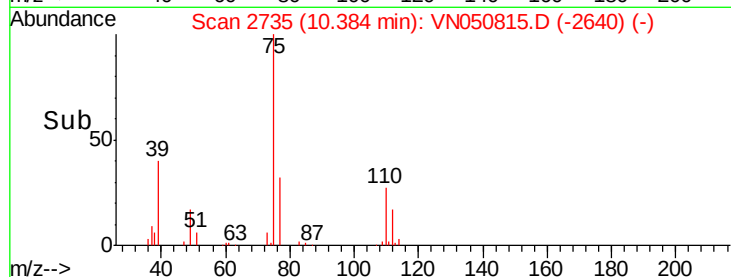
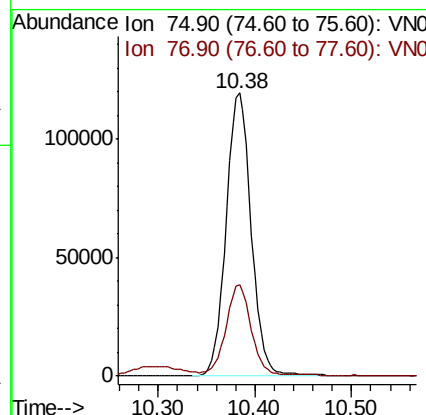
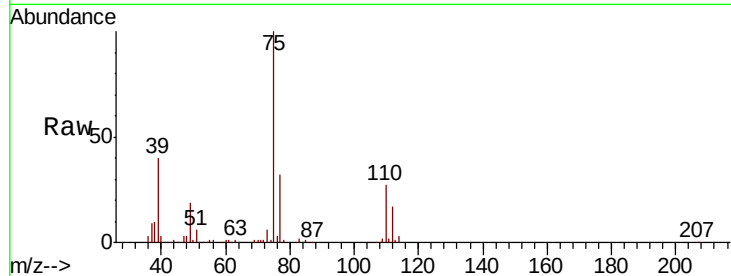
#53
t-1,3-Dichloropropene
Concen: 19.25 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050815.D
Acq: 22 Aug 2018 13:24

Instrument :
MSVOA_N
ClientSampled :
VN0822MBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.7	38.5

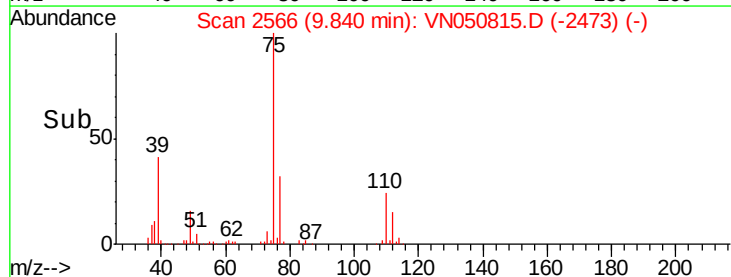
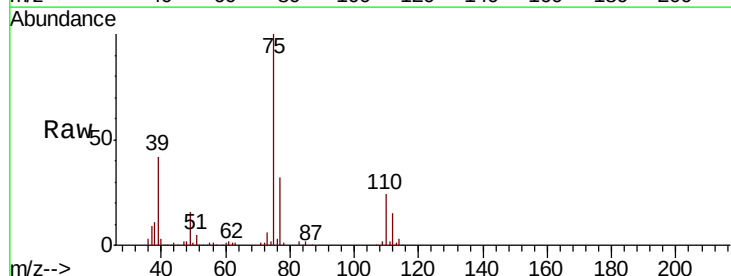
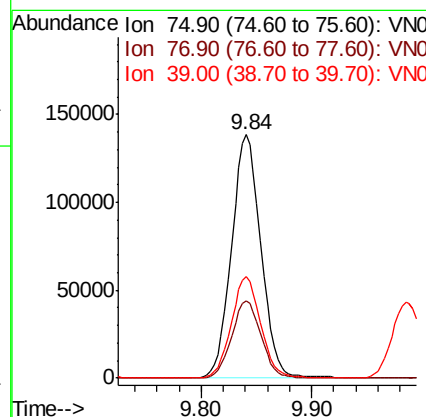
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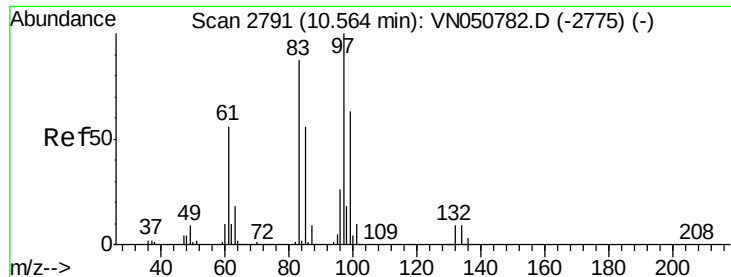
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#54
cis-1,3-Dichloropropene
Concen: 19.95 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VN050815.D
Acq: 22 Aug 2018 13:24

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.4	38.2
39	41.6	33.0	49.4





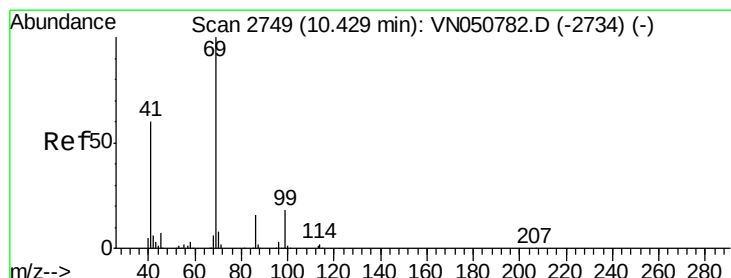
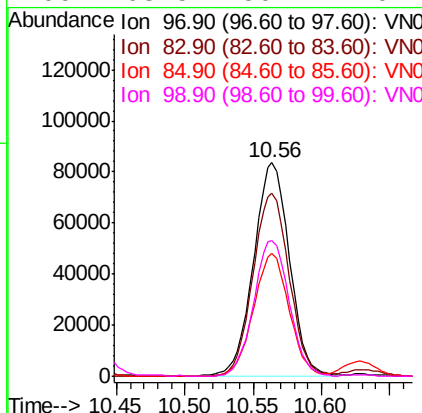
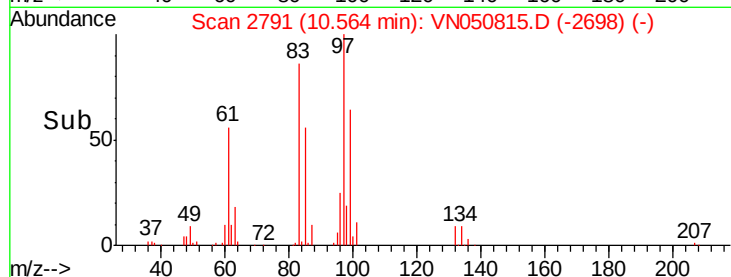
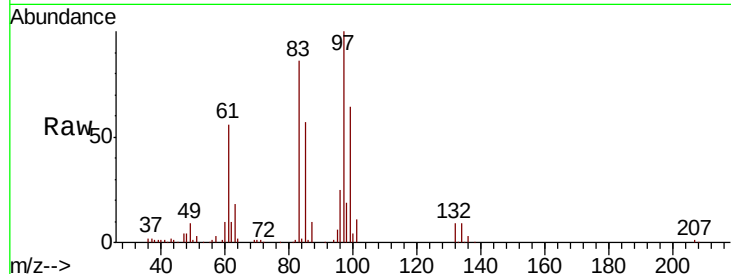
#55
 1,1,2-Trichloroethane
 Concen: 20.06 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050815.D
 Acq: 22 Aug 2018 13:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822MBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		153380		
83	86.0	69.7	104.5		
85	57.5	44.5	66.7		
99	63.5	50.7	76.1		

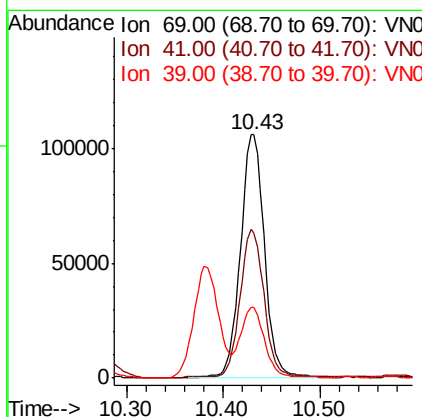
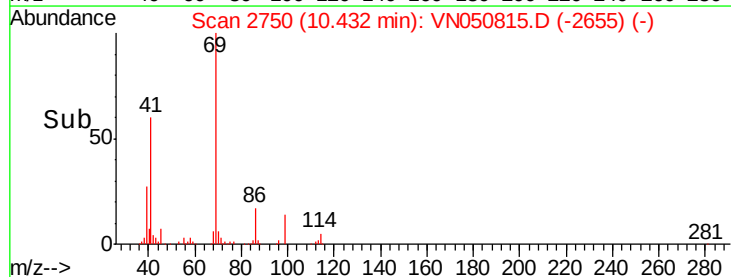
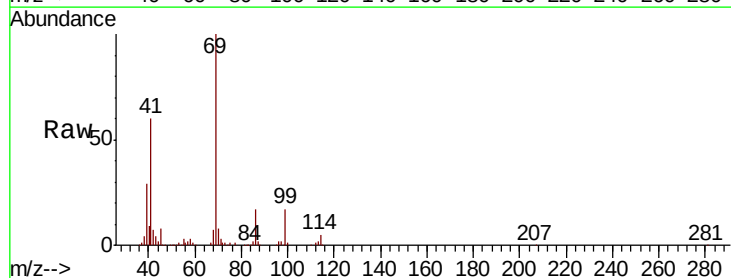
Manual Integrations
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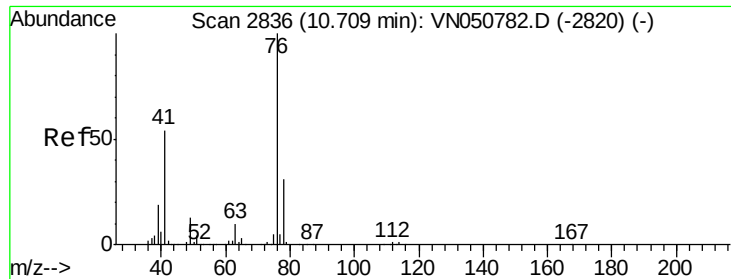
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#56
 Ethyl methacrylate
 Concen: 19.98 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050815.D
 Acq: 22 Aug 2018 13:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		184013		
41	60.9	48.3	72.5		
39	28.4	24.0	36.0		





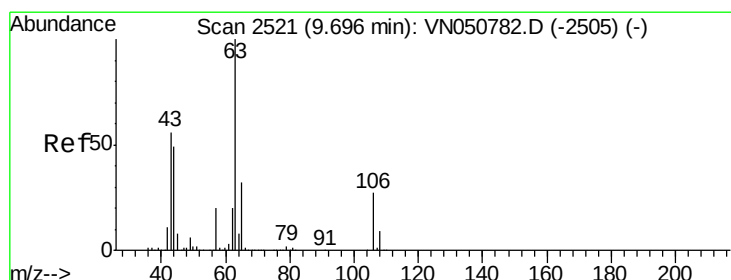
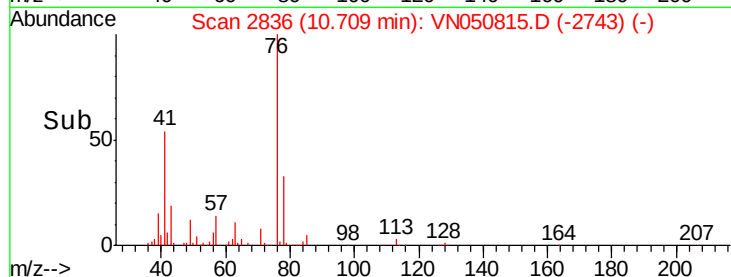
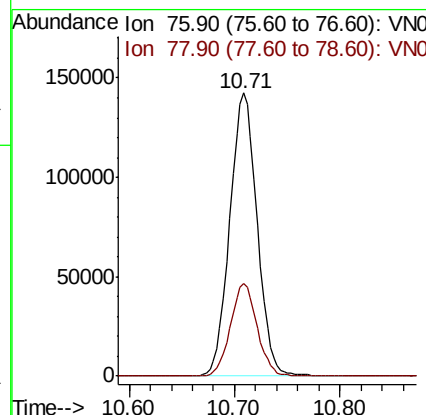
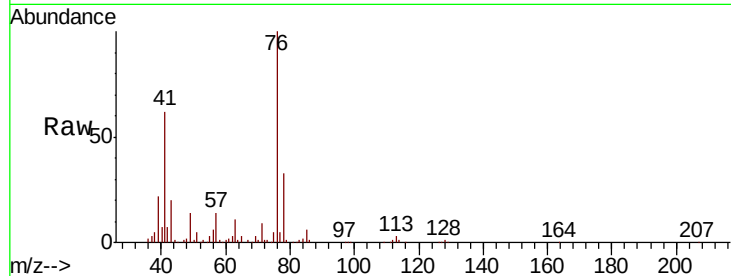
#57
 1,3-Dichloropropane
 Concen: 20.21 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. -0.00 min
 Lab File: VN050815.D
 Acq: 22 Aug 2018 13:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822MBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.5	38.3

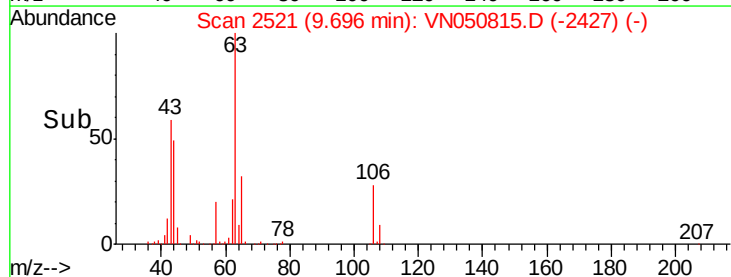
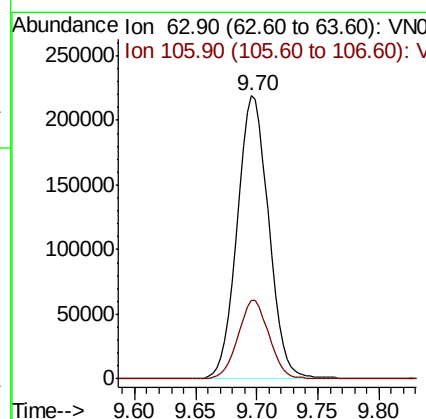
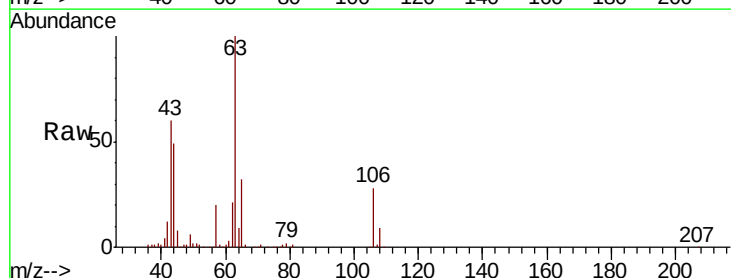
Manual Integrations
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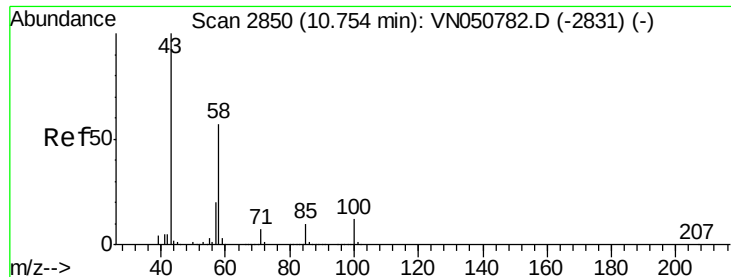
MMDadoda
 8/23/2018 12:26:49 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.39 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN050815.D
 Acq: 22 Aug 2018 13:24

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.5	21.9	32.9





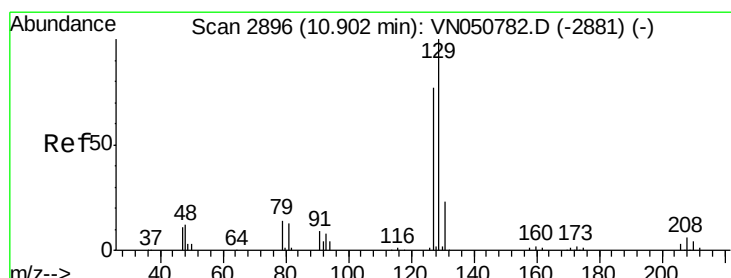
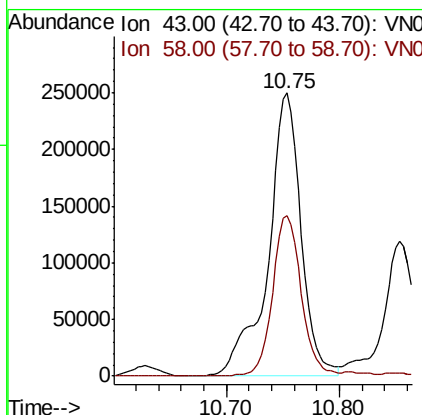
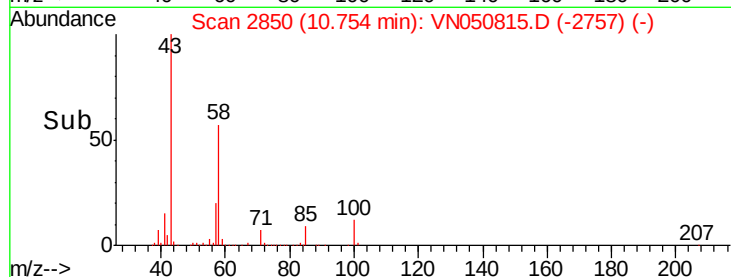
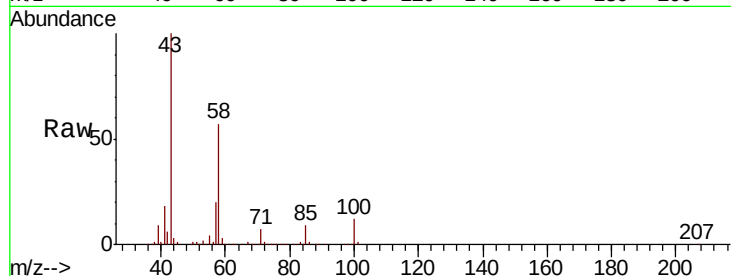
#59
2-Hexanone
Concen: 110.65 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050815.D
Acq: 22 Aug 2018 13:24

Instrument :
MSVOA_N
ClientSampled :
VN0822MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.6	28.3	85.0

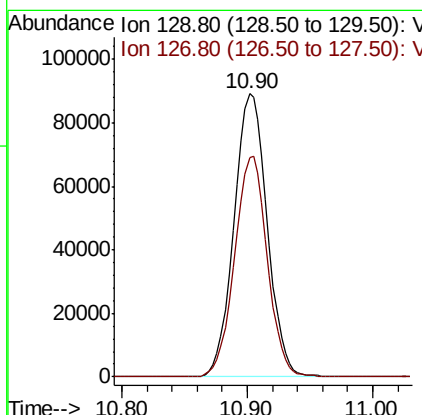
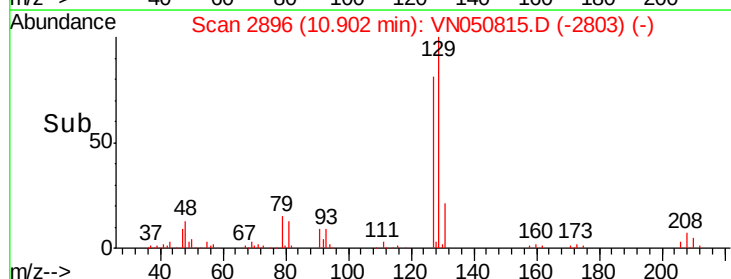
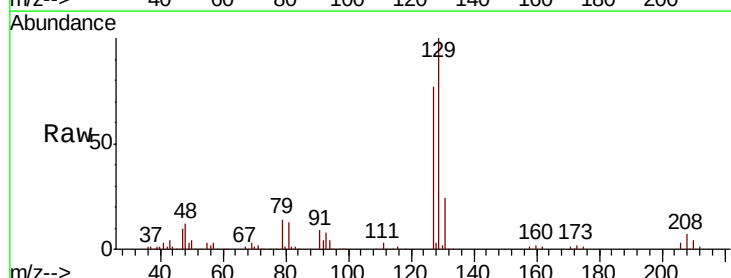
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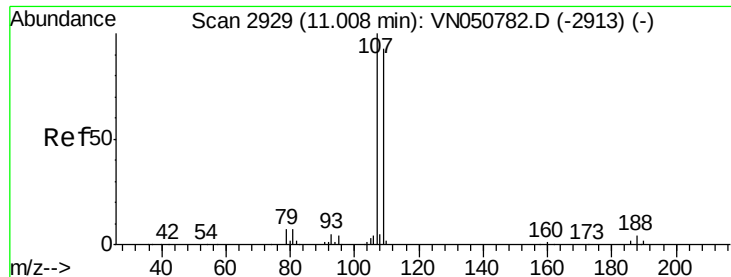
MMDadoda
8/23/2018 12:26:49 PM



#60
Dibromochloromethane
Concen: 19.15 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN050815.D
Acq: 22 Aug 2018 13:24

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.6	38.3	114.9





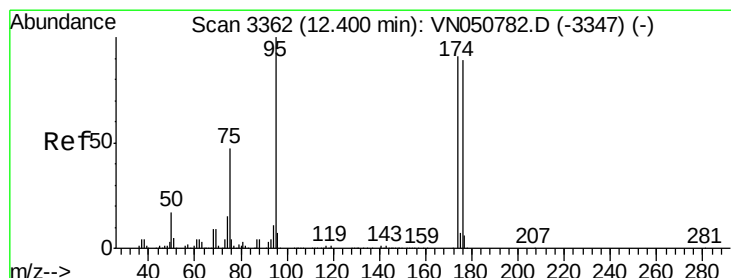
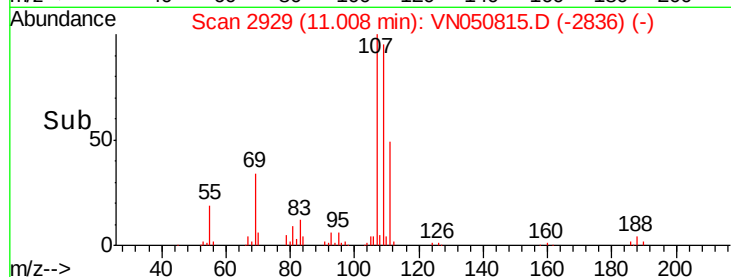
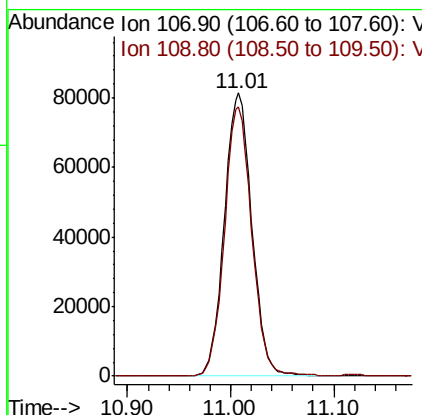
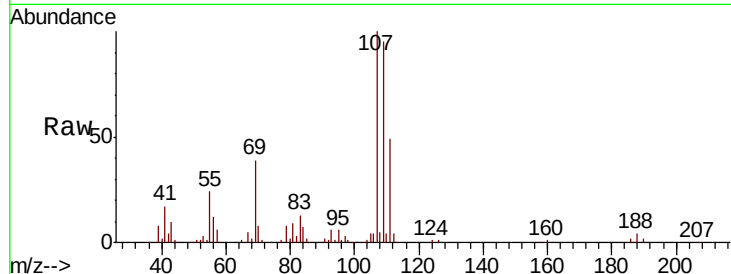
#61
 1,2-Dibromoethane
 Concen: 20.48 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN050815.D
 Acq: 22 Aug 2018 13:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822MBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.4	113.2

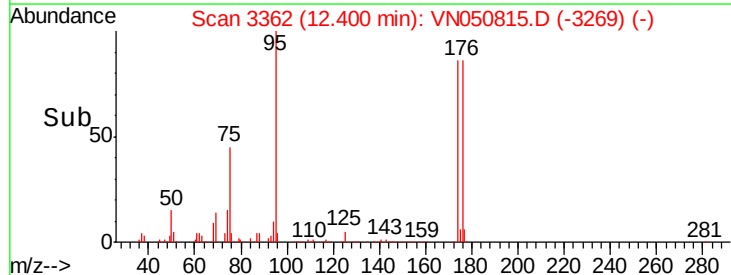
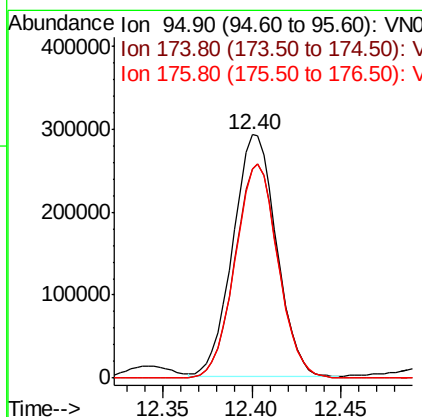
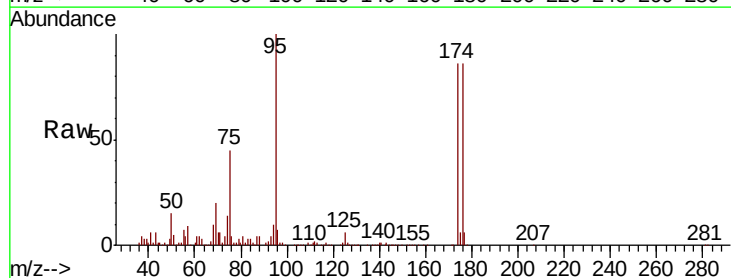
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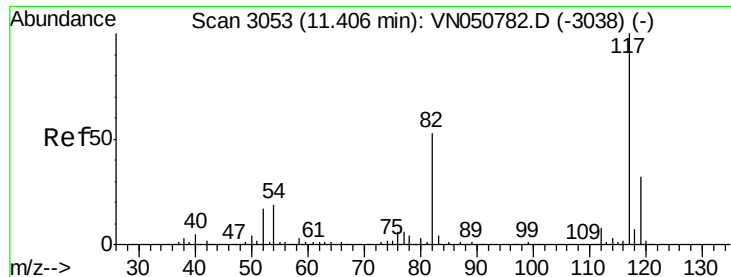
MMDadoda
 8/23/2018 12:26:49 PM



#62
 4-Bromofluorobenzene
 Concen: 51.35 ug/l
 RT: 12.40 min Scan# 3362
 Delta R.T. -0.00 min
 Lab File: VN050815.D
 Acq: 22 Aug 2018 13:24

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.0	0.0	183.0
176	87.3	0.0	178.8





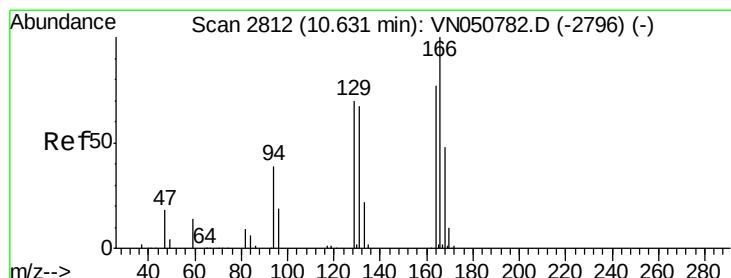
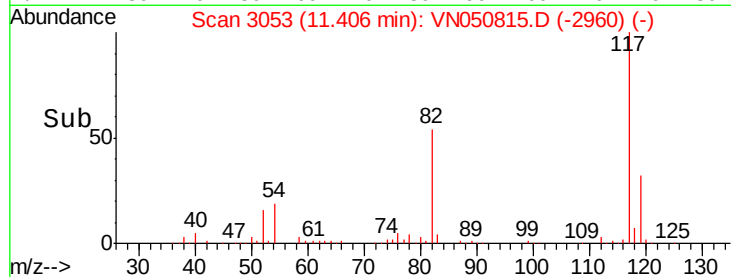
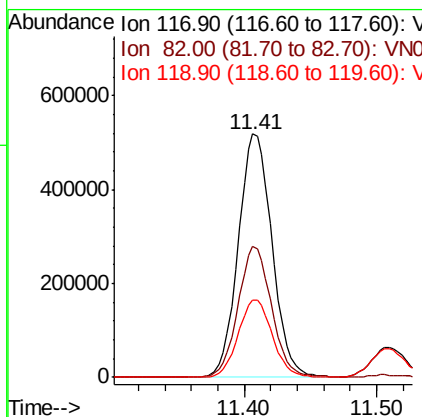
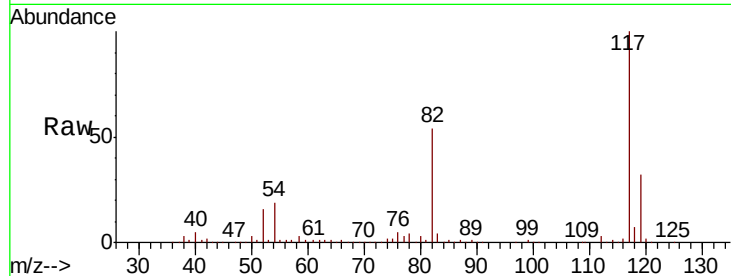
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN050815.D
Acq: 22 Aug 2018 13:24

Instrument :
MSVOA_N
ClientSampled :
VN0822MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	42.6	64.0
119	31.9	25.8	38.6

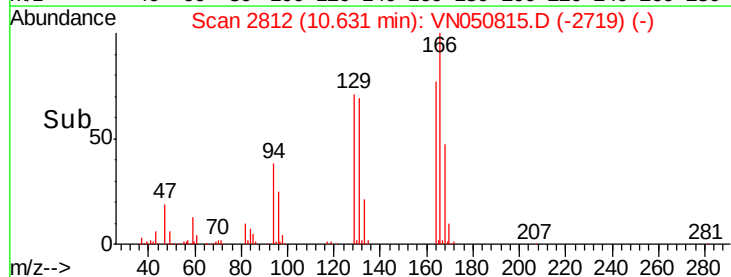
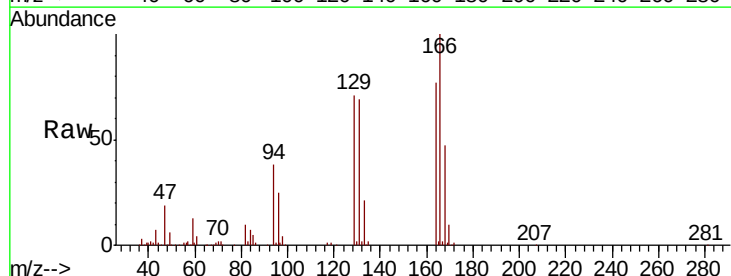
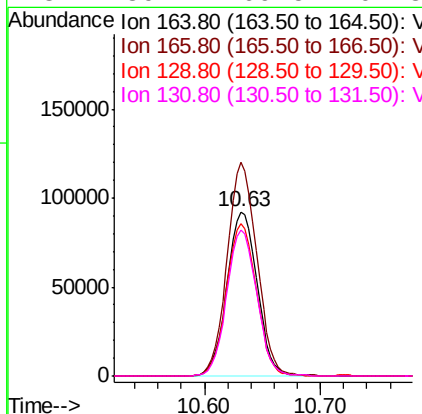
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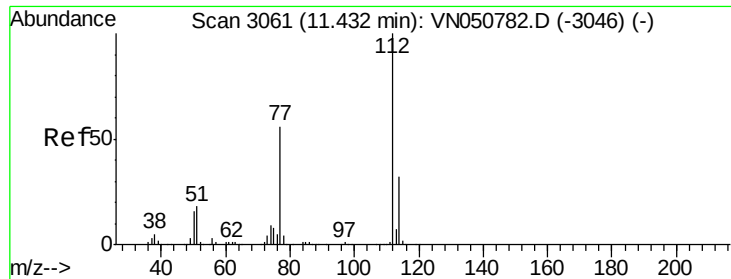
MMDadoda
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#64
Tetrachloroethene
Concen: 19.22 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050815.D
Acq: 22 Aug 2018 13:24

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.1	103.5	155.3
129	92.8	72.7	109.1
131	89.2	69.5	104.3





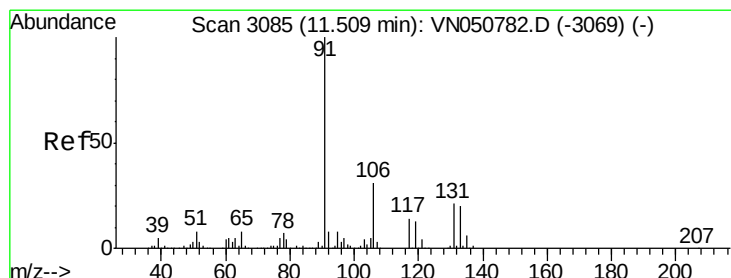
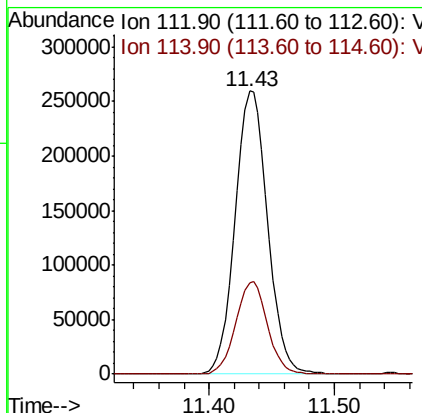
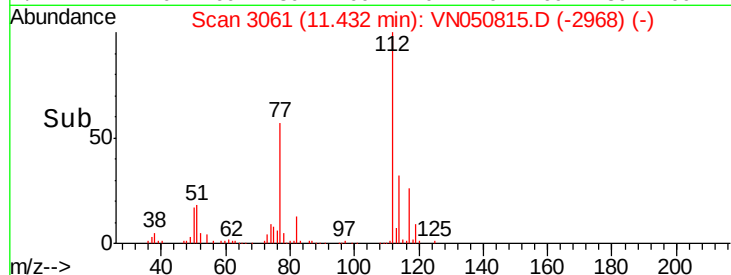
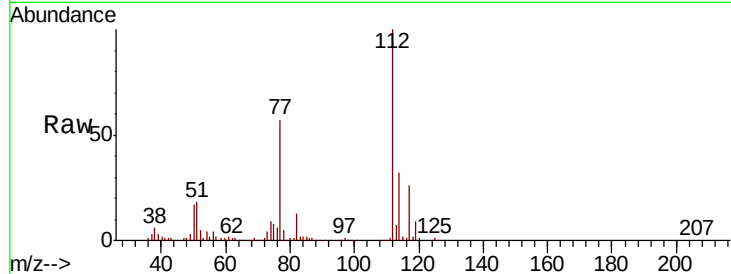
#65
Chlorobenzene
Concen: 19.54 ug/l
RT: 11.43 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN050815.D
Acq: 22 Aug 2018 13:24

Instrument :
MSVOA_N
ClientSampleId :
VN0822MBSD01

Tot Ion:112 Resp: 467434
Ion Ratio Lower Upper
112 100
114 32.2 25.6 38.4

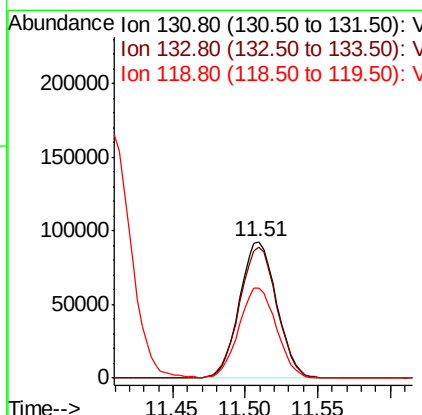
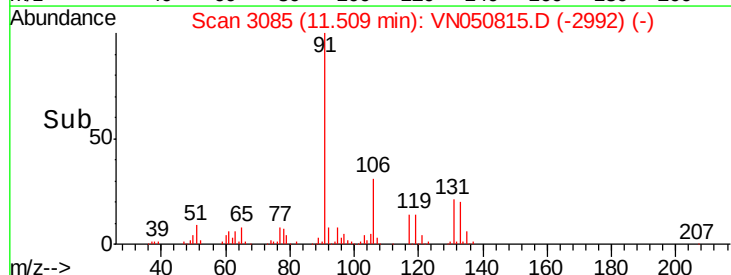
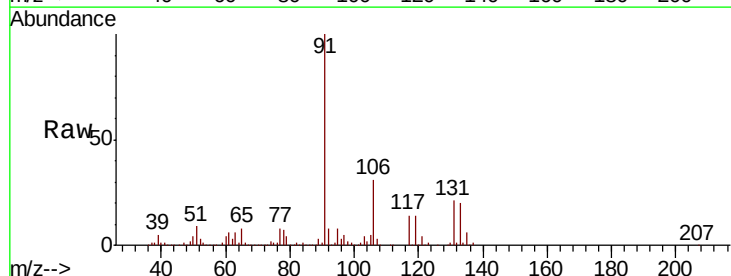
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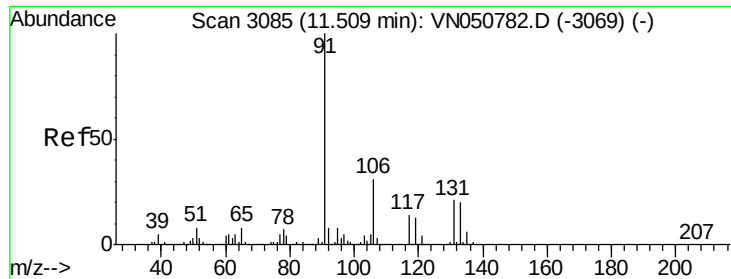
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.95 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050815.D
Acq: 22 Aug 2018 13:24

Tgt Ion:131 Resp: 165880
Ion Ratio Lower Upper
131 100
133 96.5 47.4 142.3
119 66.6 32.8 98.4





#67

Ethyl Benzene

Concen: 20.16 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050815.D

Acq: 22 Aug 2018 13:24

Instrument :

MSVOA_N

ClientSampled :

VN0822MBSD01

Tot Ion: 91 Resp: 783977

Ion Ratio Lower Upper

91 100

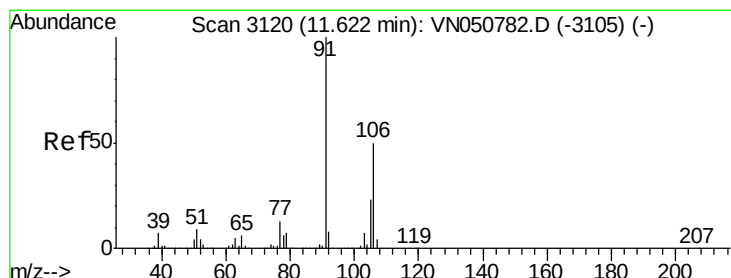
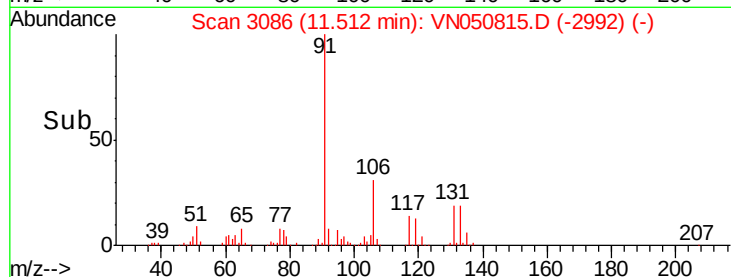
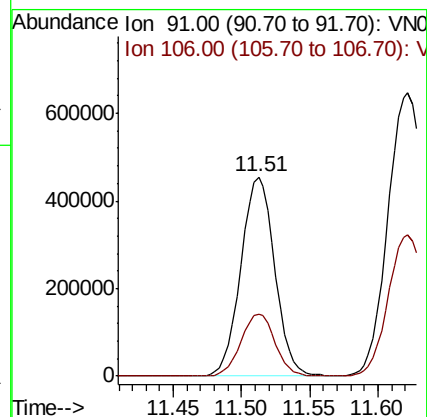
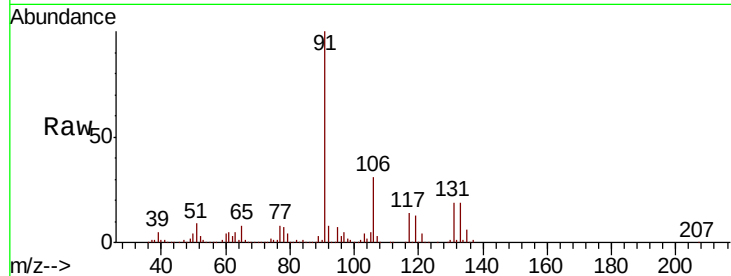
106 31.4 25.0 37.4

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#68

m/p-Xylenes

Concen: 42.21 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050815.D

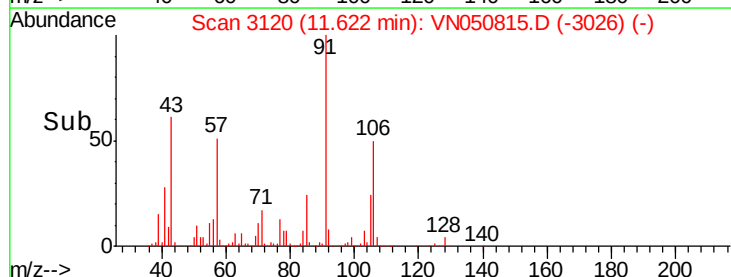
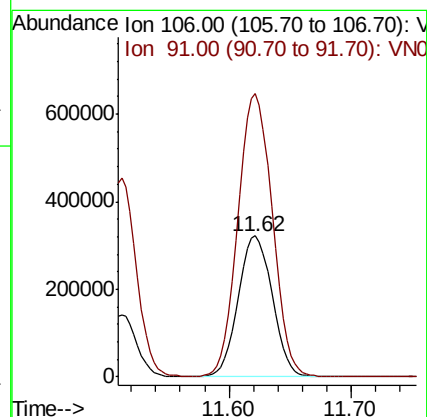
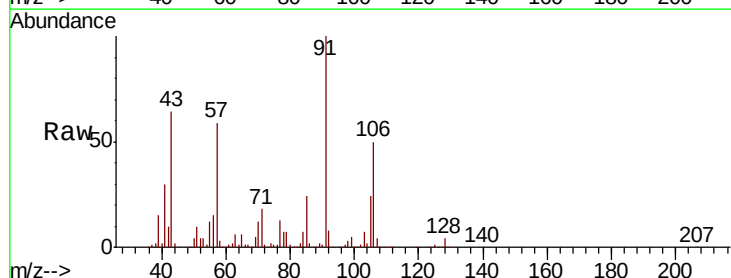
Acq: 22 Aug 2018 13:24

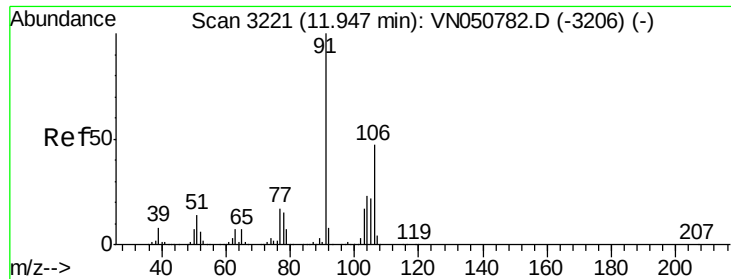
Tgt Ion: 106 Resp: 623061

Ion Ratio Lower Upper

106 100

91 202.1 161.0 241.6





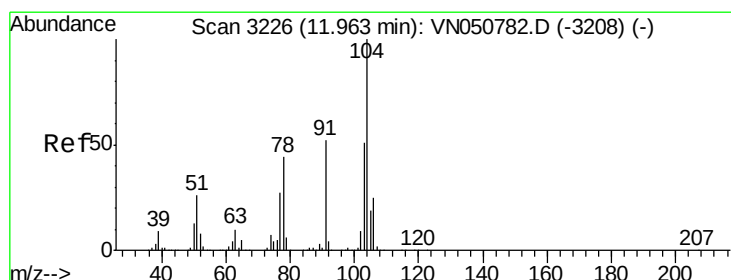
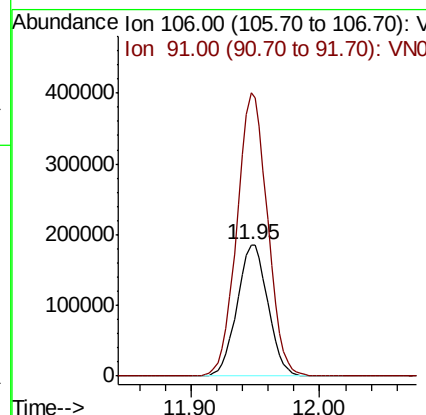
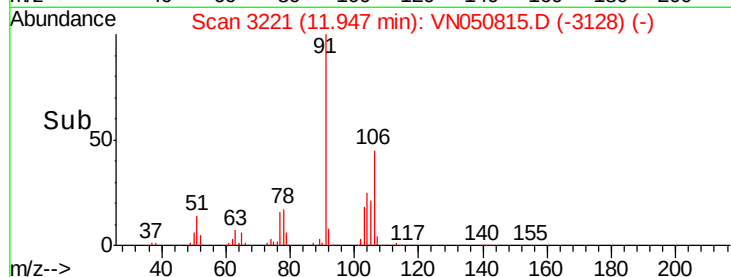
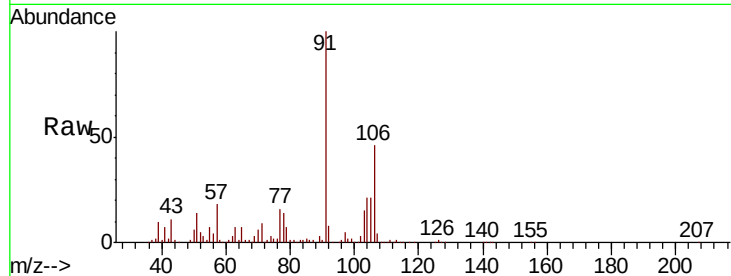
#69
o-Xylene
Concen: 21.69 ug/l
RT: 11.95 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN050815.D
Acq: 22 Aug 2018 13:24

Instrument :
MSVOA_N
ClientSampled :
VN0822MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
106	100	307751		
91	214.0	106.5	319.5	

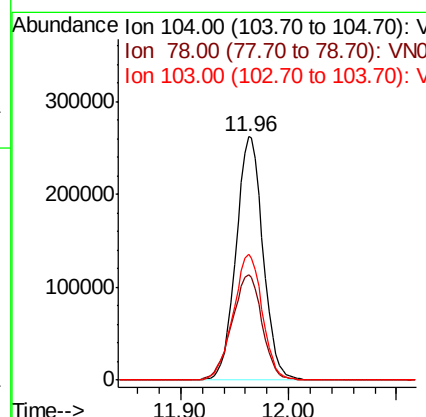
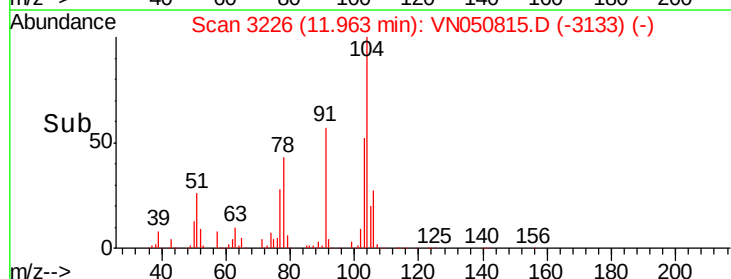
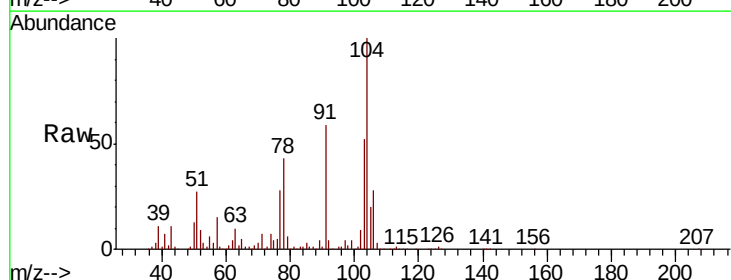
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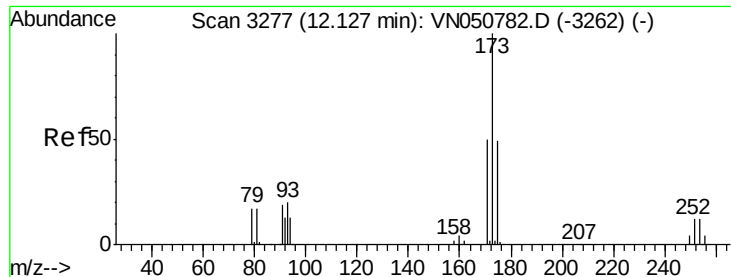
MMDadoda
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#70
Styrene
Concen: 19.10 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VN050815.D
Acq: 22 Aug 2018 13:24

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	457530		
78	48.6	38.2	57.4	
103	55.9	44.4	66.6	





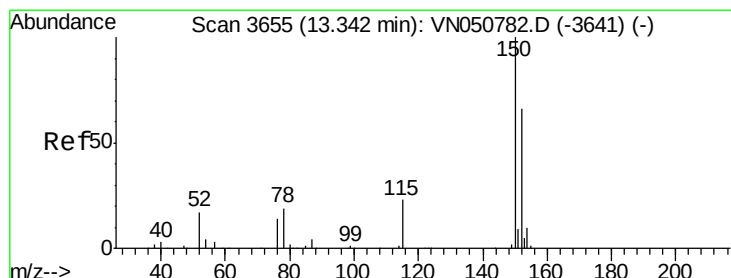
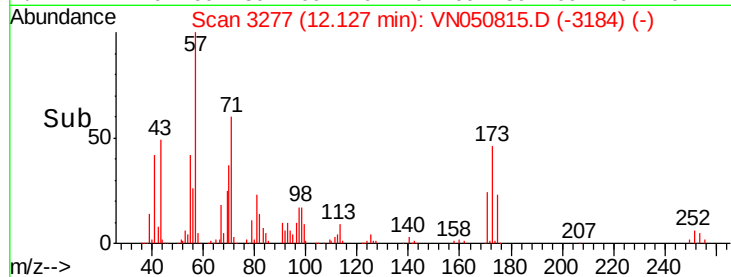
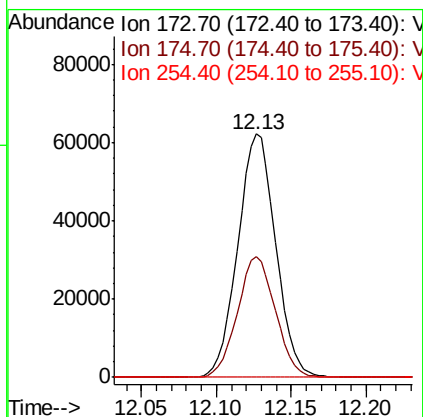
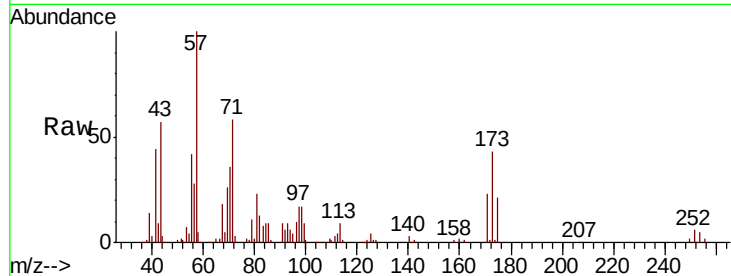
#71
Bromoform
Concen: 18.18 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050815.D
Acq: 22 Aug 2018 13:24

Instrument :
MSVOA_N
ClientSampleId :
VN0822MBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.6	24.4	73.4
254	0.0	0.1	0.1#

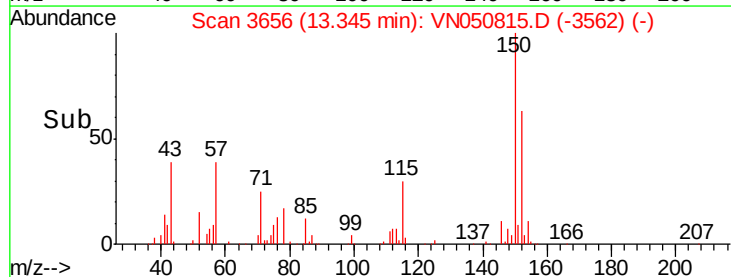
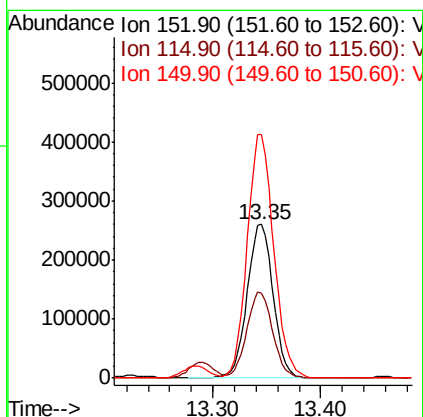
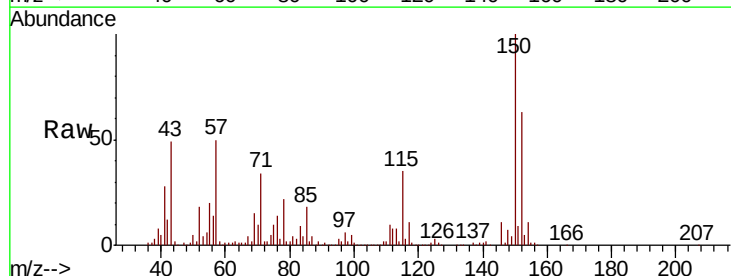
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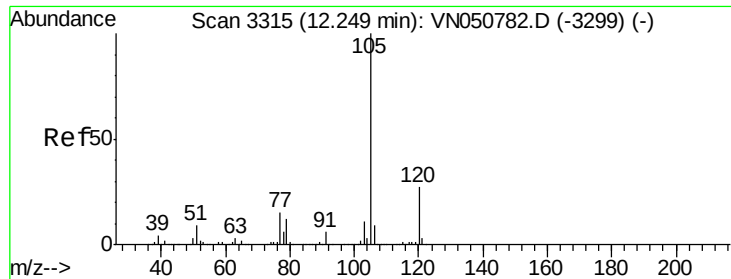
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050815.D
Acq: 22 Aug 2018 13:24

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.8	27.8	83.4
150	162.8	0.0	351.4





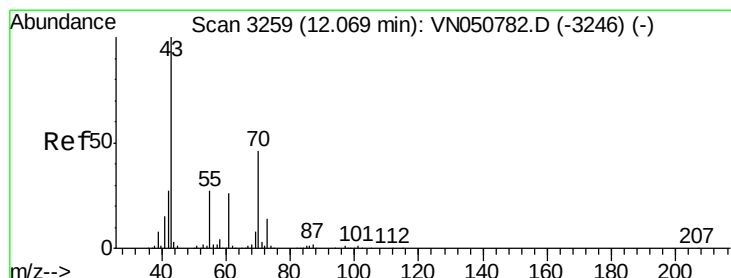
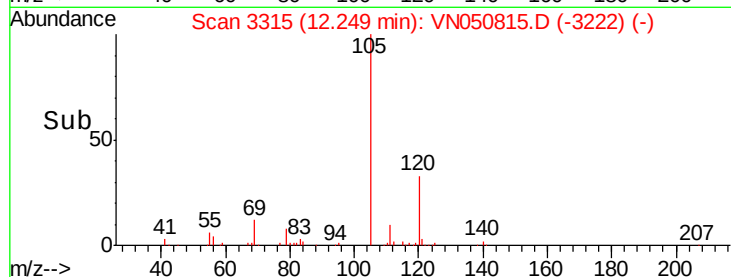
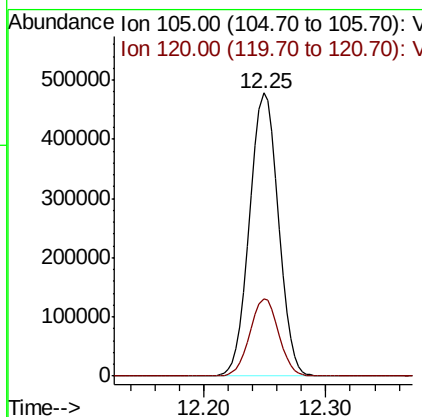
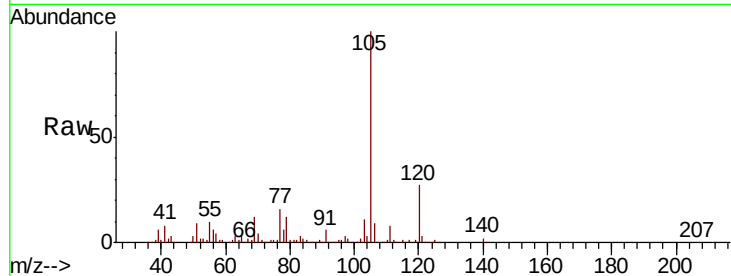
#73
Isopropylbenzene
Concen: 21.66 ug/l
RT: 12.25 min Scan# 3315
Delta R.T. -0.00 min
Lab File: VN050815.D
Acq: 22 Aug 2018 13:24

Instrument :
MSVOA_N
ClientSampleId :
VN0822MBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.1	13.5	40.4

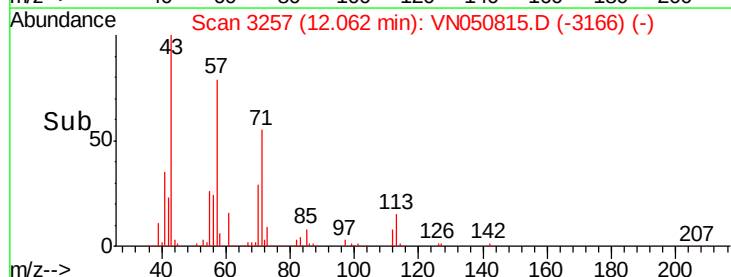
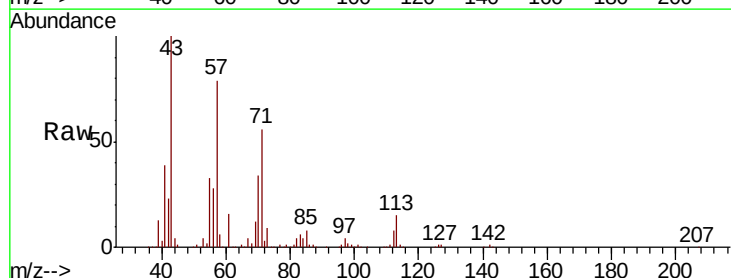
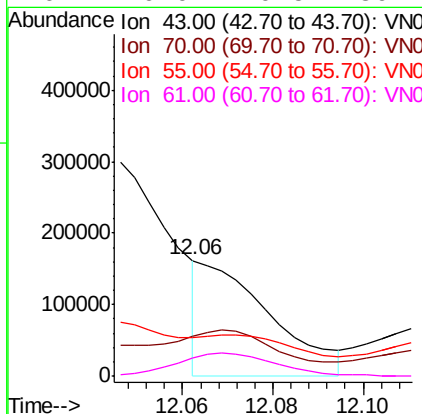
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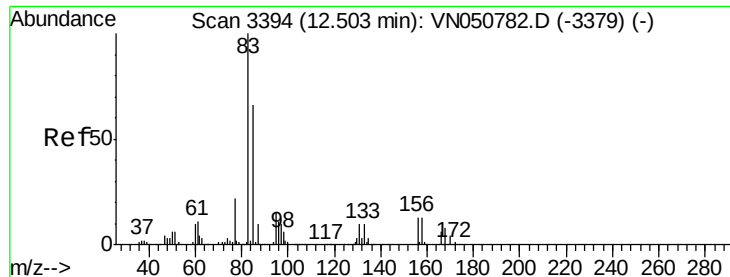
MMDadoda
8/23/2018 12:26:49 PM



#74
N-ethyl acetate
Concen: 18.96 ug/l m
RT: 12.06 min Scan# 3259
Delta R.T. -0.01 min
Lab File: VN050815.D
Acq: 22 Aug 2018 13:24

Tgt Ion	Ratio	Lower	Upper
43	100		
70	0.0	36.2	54.2#
55	43.5	21.8	32.8#
61	0.0	20.5	30.7#





#75

1,1,2,2-Tetrachloroethane

Concen: 19.10 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050815.D

Acq: 22 Aug 2018 13:24

Instrument :

MSVOA_N

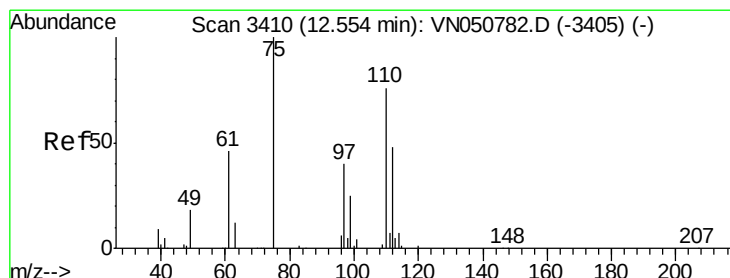
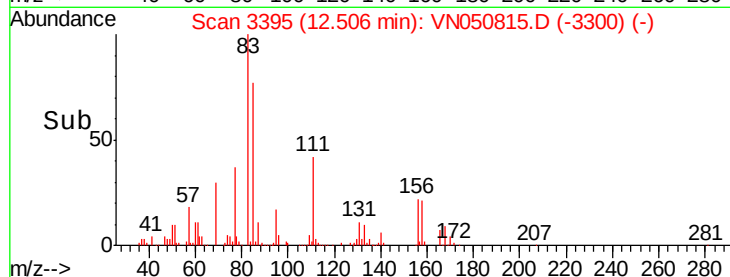
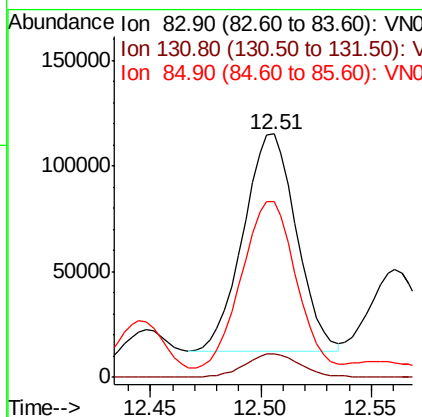
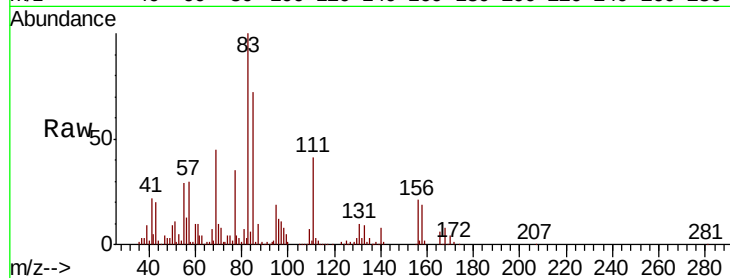
ClientSampleId :

VN0822MBSD01

Tot Ion:	83	Resp:	171899
Ion	Ratio	Lower	Upper
83	100		
131	11.3	5.3	15.9
85	77.8	31.9	95.7

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#76

1,2,3-Trichloropropane

Concen: 19.84 ug/l m

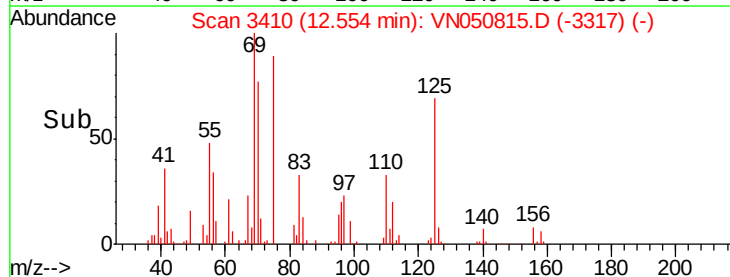
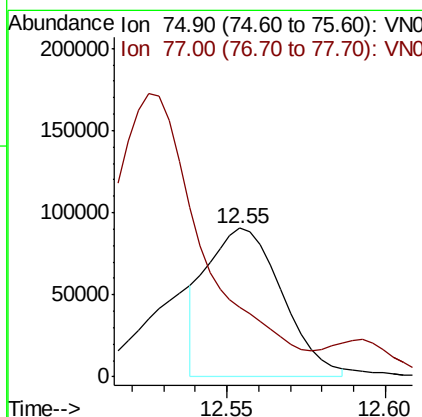
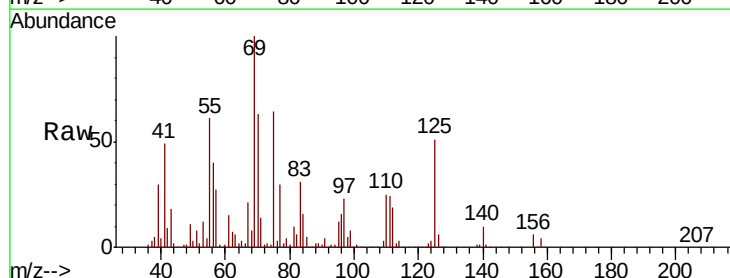
RT: 12.55 min Scan# 3410

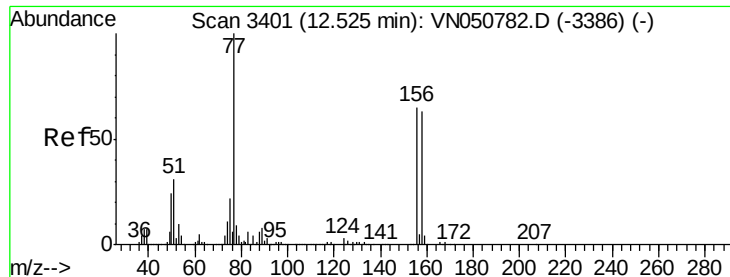
Delta R.T. -0.00 min

Lab File: VN050815.D

Acq: 22 Aug 2018 13:24

Tgt Ion:	75	Resp:	150459
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.43 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050815.D

Acq: 22 Aug 2018 13:24

Instrument :

MSVOA_N

ClientSampled :

VN0822MBSD01

Tot Ion:156 Resp: 199042

Ion Ratio Lower Upper

156 100

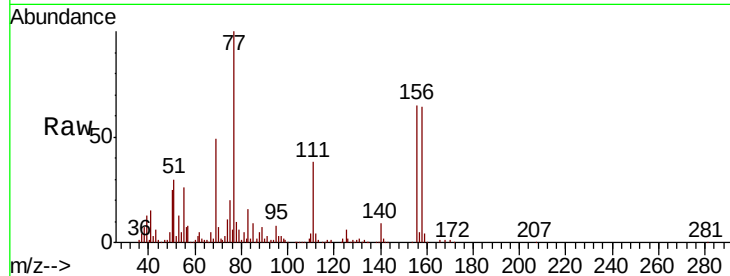
77 177.8 89.9 269.7

158 94.4 49.3 147.9

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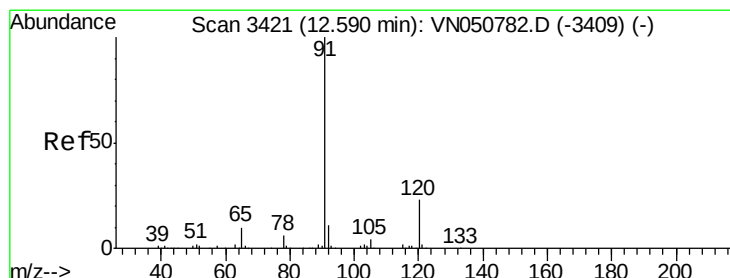
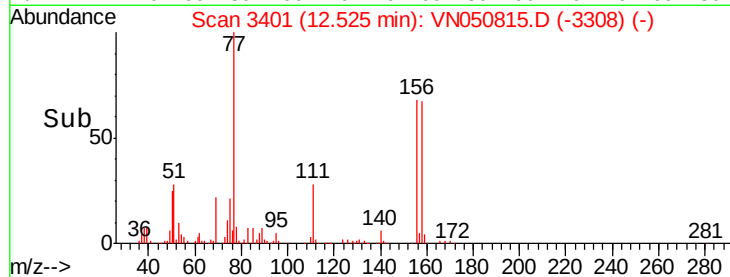
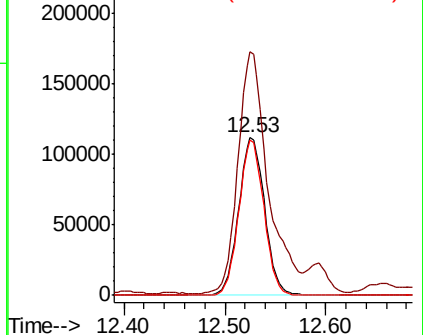
8/23/2018 12:26:49 PM



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: 21.77 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050815.D

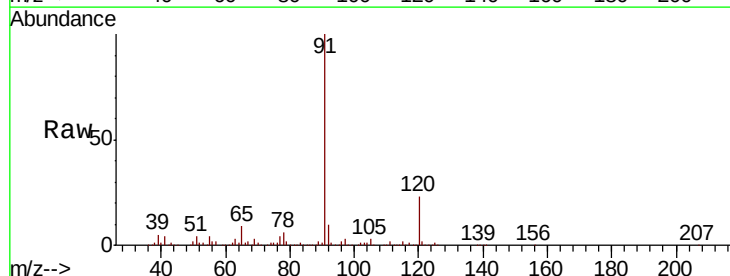
Acq: 22 Aug 2018 13:24

Tgt Ion: 91 Resp: 871716

Ion Ratio Lower Upper

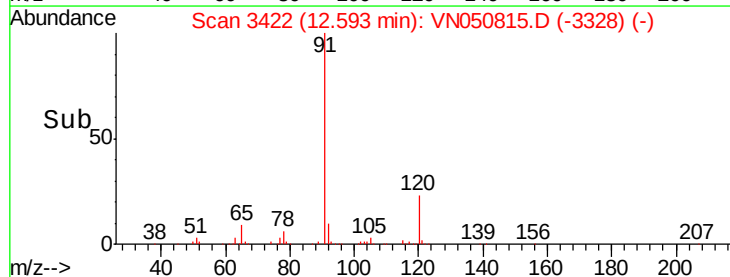
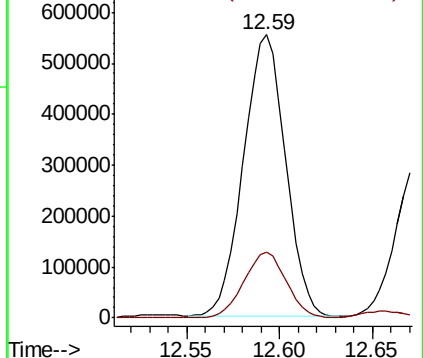
91 100

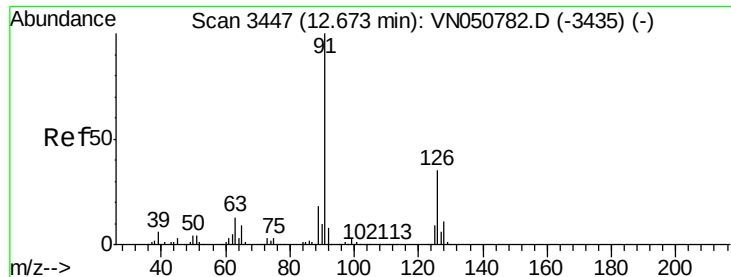
120 23.5 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.99 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050815.D

Acq: 22 Aug 2018 13:24

Instrument :

MSVOA_N

ClientSampled :

VN0822MBSD01

Tot Ion: 91 Resp: 523638

Ion Ratio Lower Upper

91 100

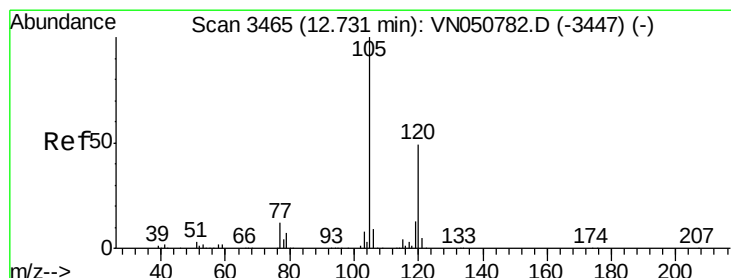
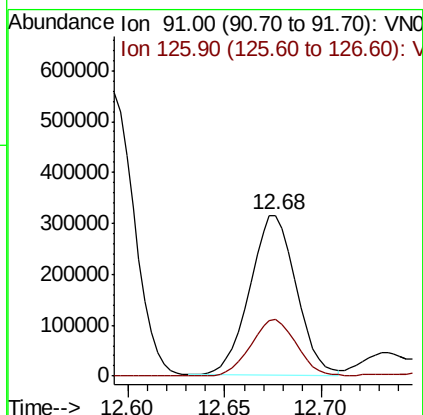
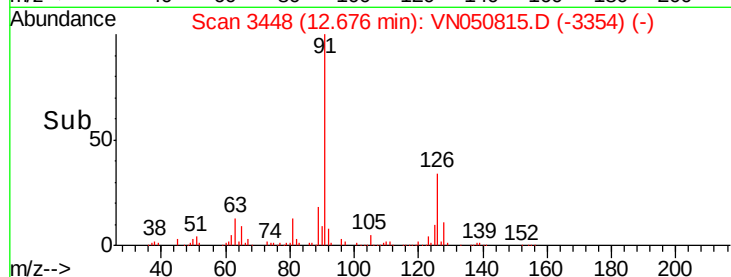
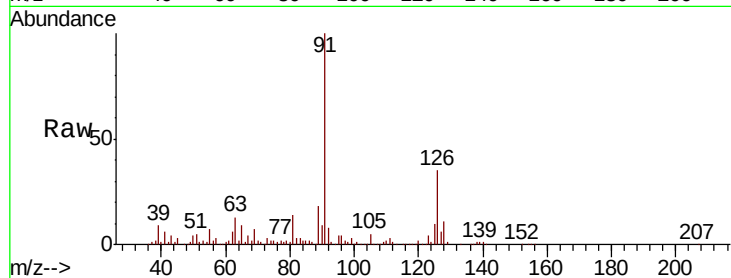
126 35.1 17.8 53.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 23.38 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050815.D

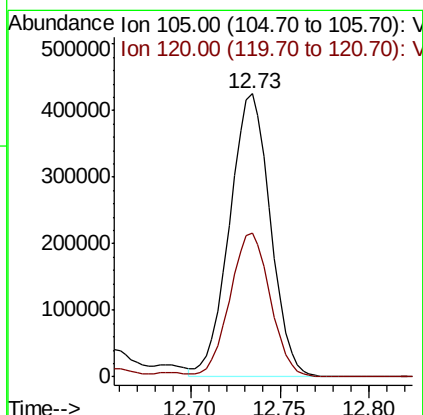
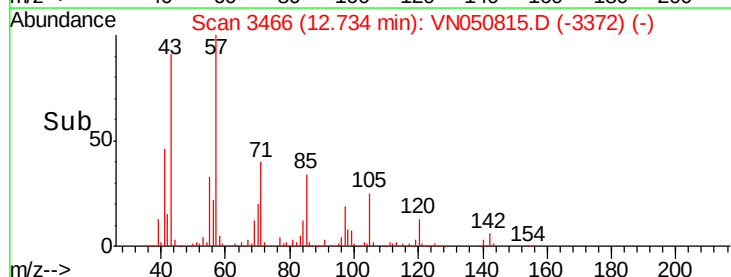
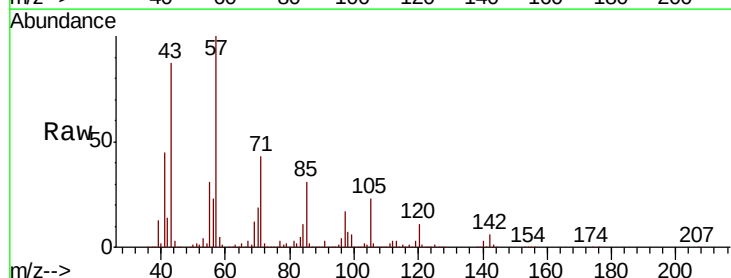
Acq: 22 Aug 2018 13:24

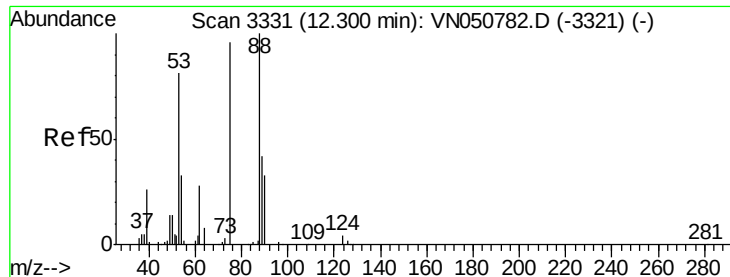
Tgt Ion: 105 Resp: 676267

Ion Ratio Lower Upper

105 100

120 50.3 24.6 74.0





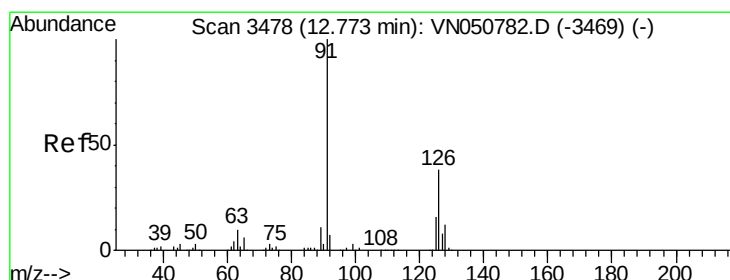
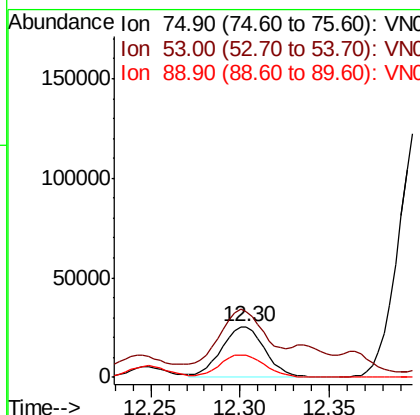
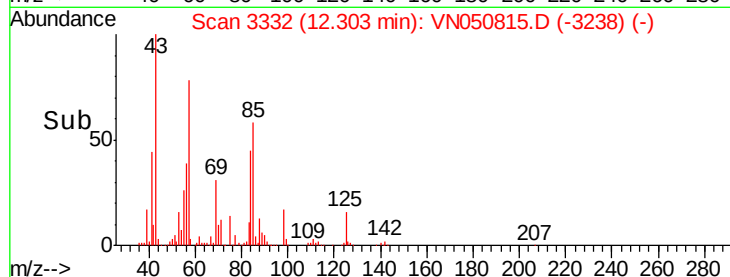
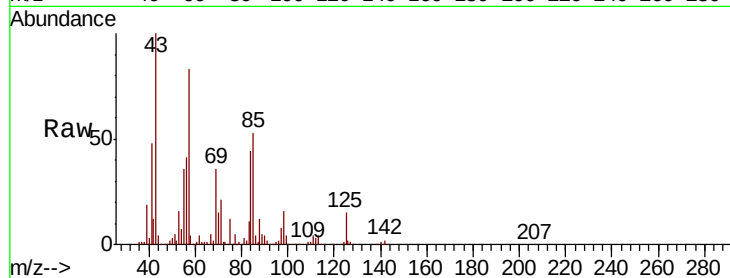
#81
trans-1,4-Dichloro-2-butene
Concen: 19.35 ug/l
RT: 12.30 min Scan# 3332
Delta R.T. 0.00 min
Lab File: VN050815.D
Acq: 22 Aug 2018 13:24

Instrument :
MSVOA_N
ClientSampleId :
VN0822MBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	111.5	68.9	103.3#
89	45.2	36.1	54.1

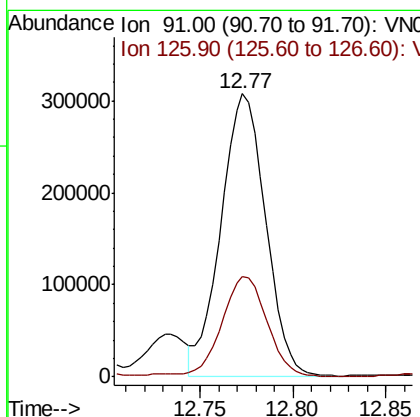
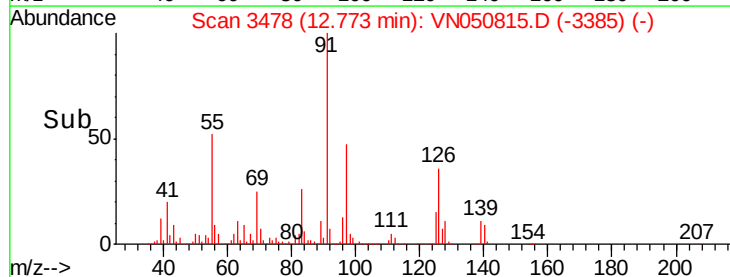
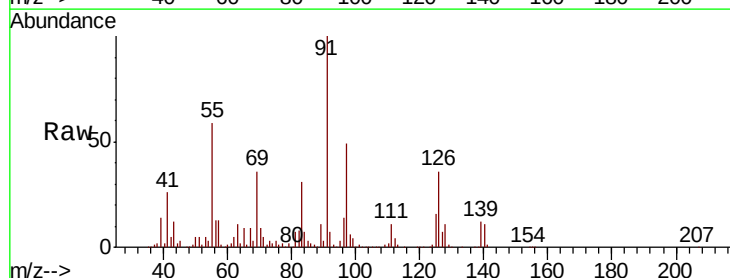
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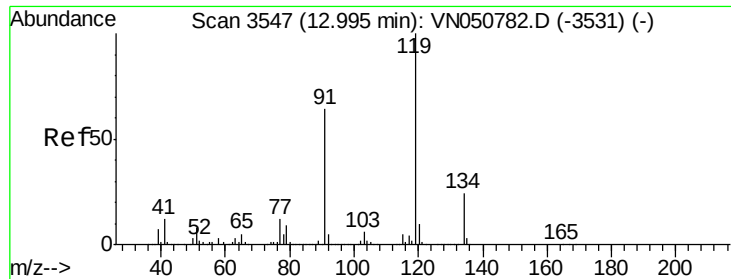
MMDadoda
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#82
4-Chlorotoluene
Concen: 20.71 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. -0.00 min
Lab File: VN050815.D
Acq: 22 Aug 2018 13:24

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.0	17.5	52.5





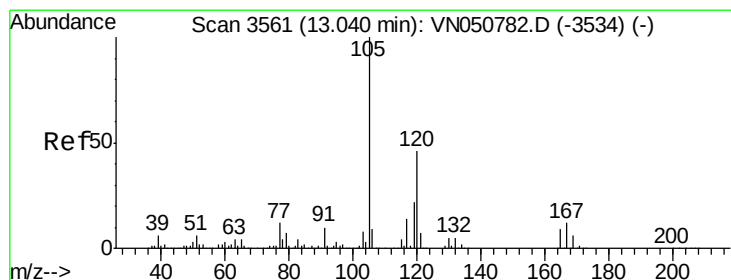
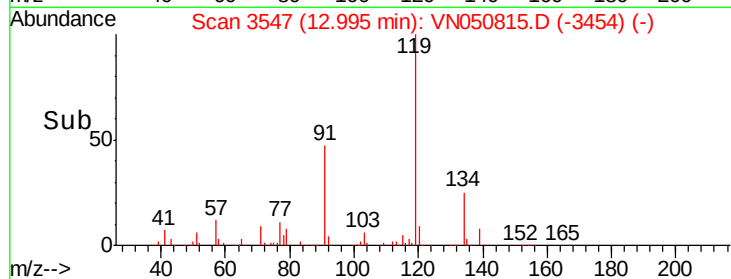
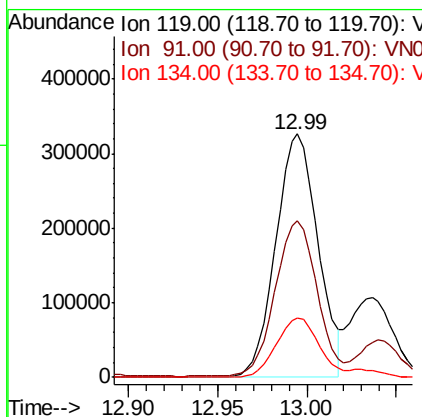
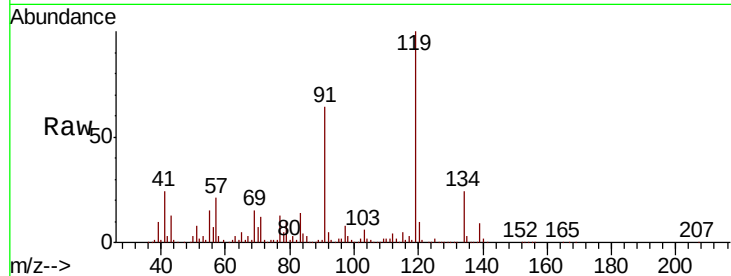
#83
 tert-Butylbenzene
 Concen: 21.41 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050815.D
 Acq: 22 Aug 2018 13:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	536270		
91	63.2		31.6	94.7
134	25.0		13.4	40.1

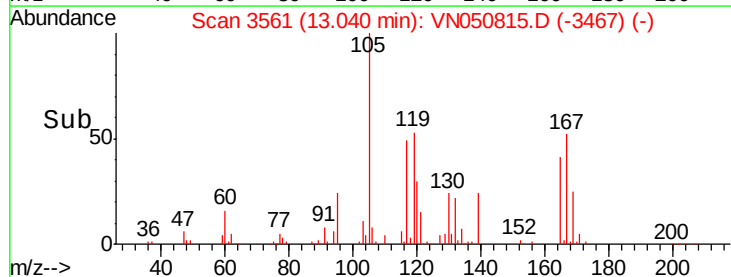
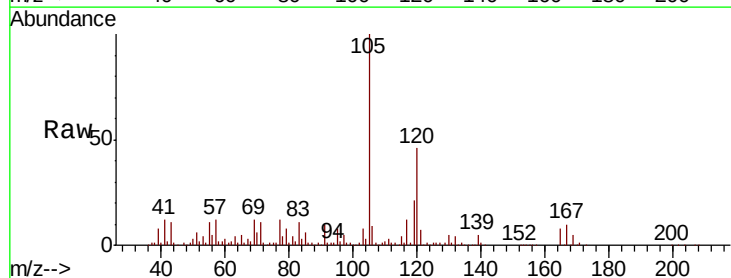
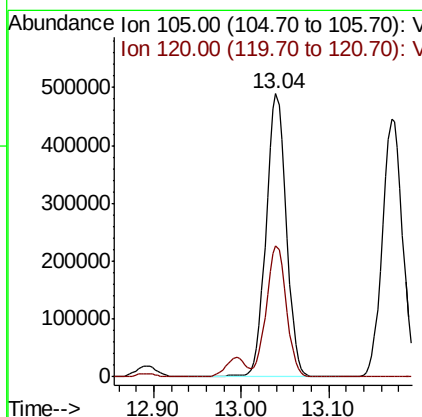
Manual Integrations
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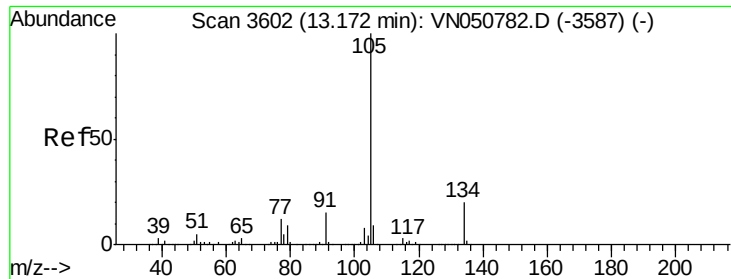
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#84
 1,2,4-Trimethylbenzene
 Concen: 26.86 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050815.D
 Acq: 22 Aug 2018 13:24

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	781591		
120	46.0		22.9	68.8





#85

sec-Butylbenzene

Concen: 21.62 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN050815.D

Acq: 22 Aug 2018 13:24

Instrument :

MSVOA_N

ClientSampleId :

VN0822MBSD01

Tot Ion:105 Resp: 709613

Ion Ratio Lower Upper

105 100

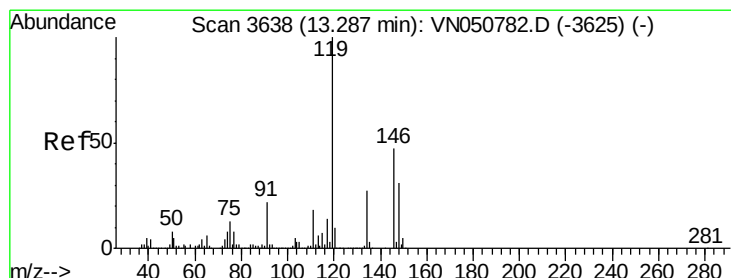
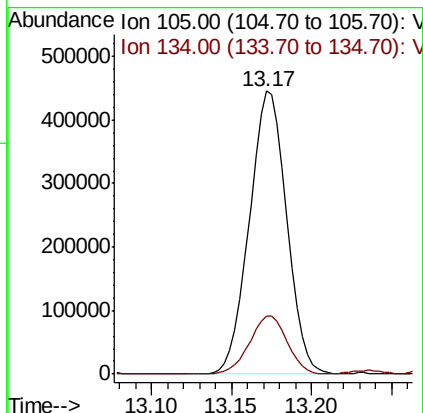
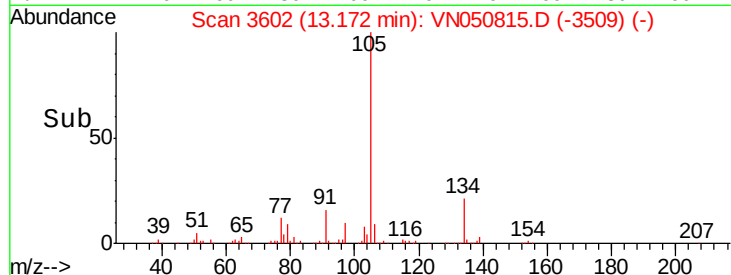
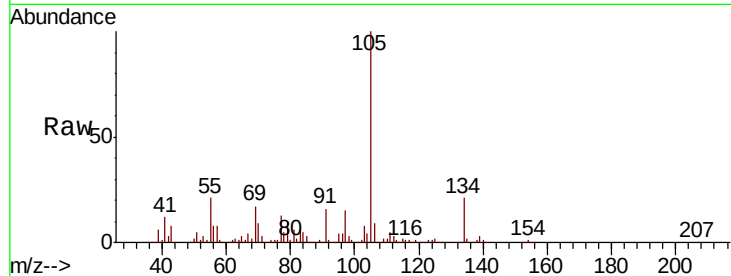
134 20.9 10.3 30.8

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 22.18 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050815.D

Acq: 22 Aug 2018 13:24

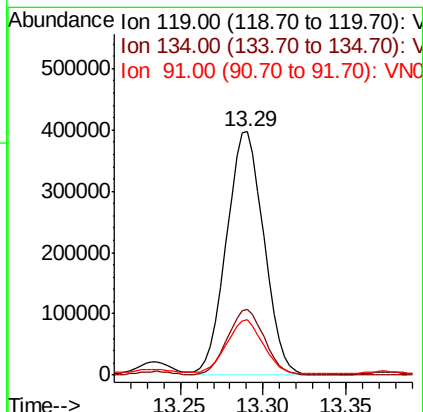
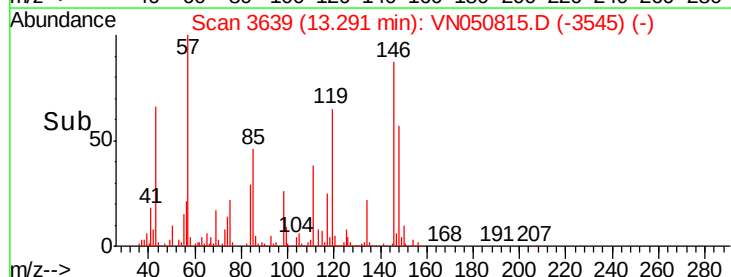
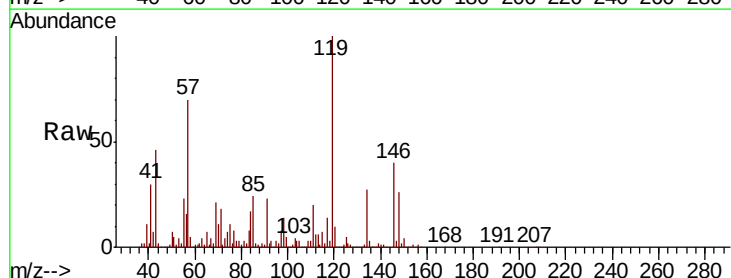
Tgt Ion:119 Resp: 620503

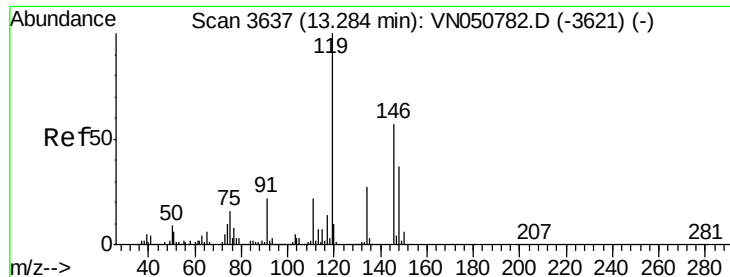
Ion Ratio Lower Upper

119 100

134 26.5 13.7 41.0

91 22.1 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 19.32 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN050815.D

Acq: 22 Aug 2018 13:24

Instrument :

MSVOA_N

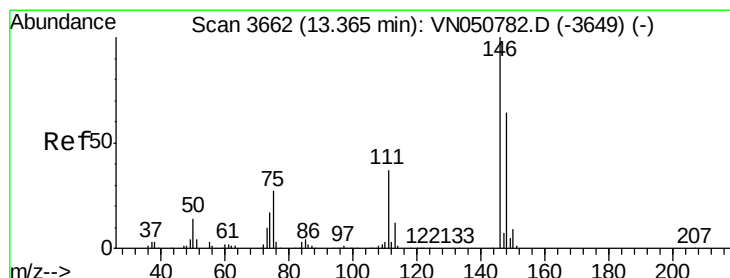
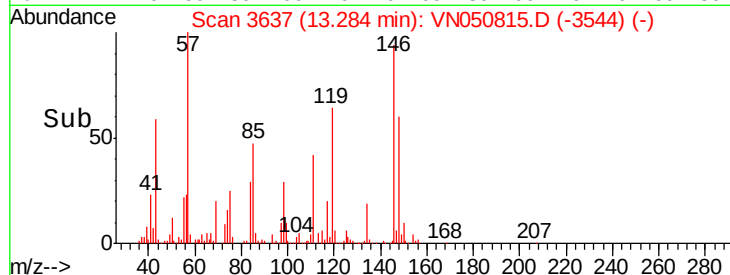
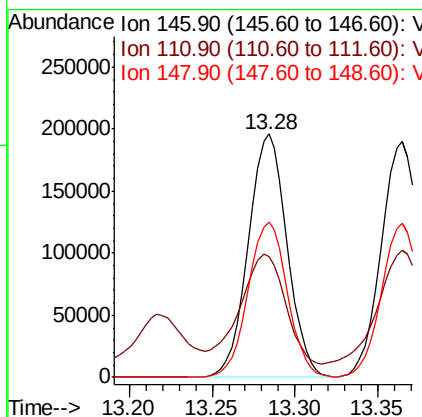
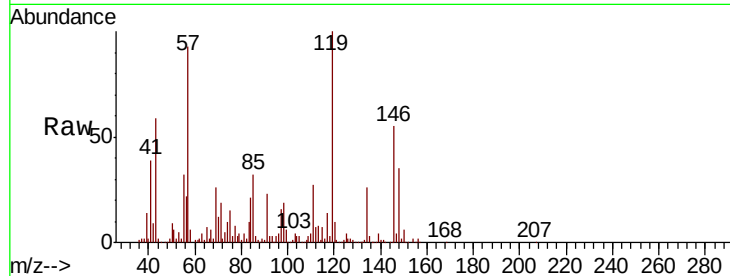
ClientSampleId :

VN0822MBSD01

Tot Ion:	146	Resp:	319479
Ion Ratio	Lower	Upper	
146	100		
111	54.1	19.1	57.3
148	64.5	32.2	96.6

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#88

1,4-Dichlorobenzene

Concen: 19.29 ug/l

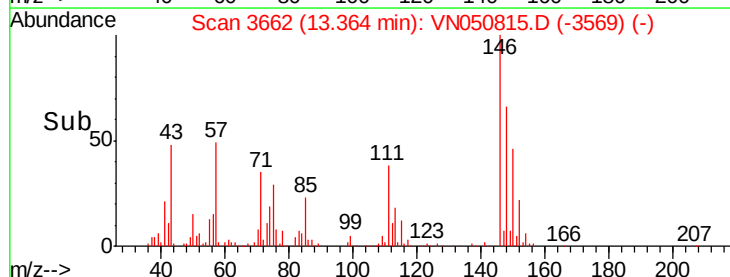
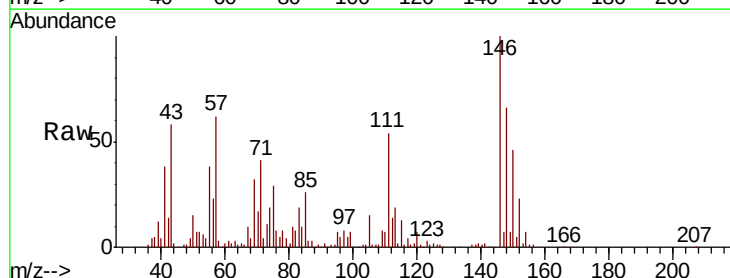
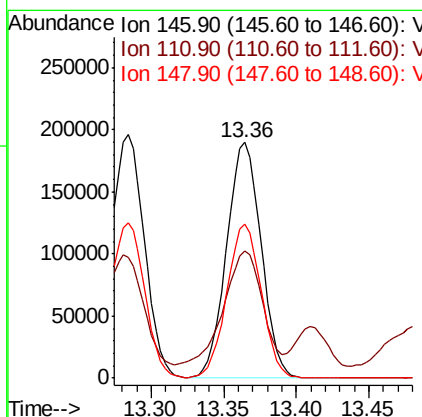
RT: 13.36 min Scan# 3662

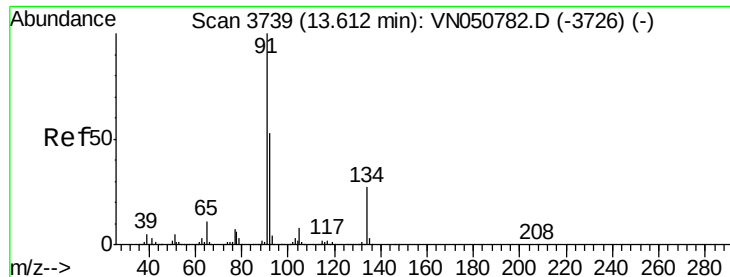
Delta R.T. -0.00 min

Lab File: VN050815.D

Acq: 22 Aug 2018 13:24

Tgt Ion:	146	Resp:	313950
Ion Ratio	Lower	Upper	
146	100		
111	52.6	18.8	56.3
148	65.1	32.2	96.6





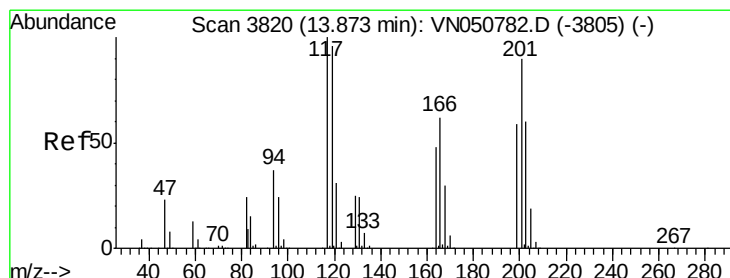
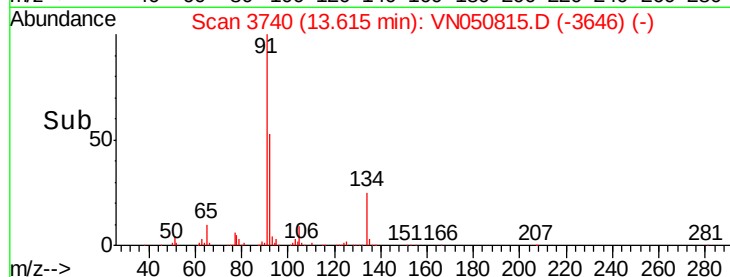
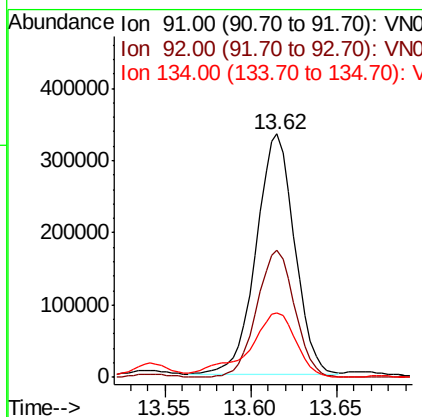
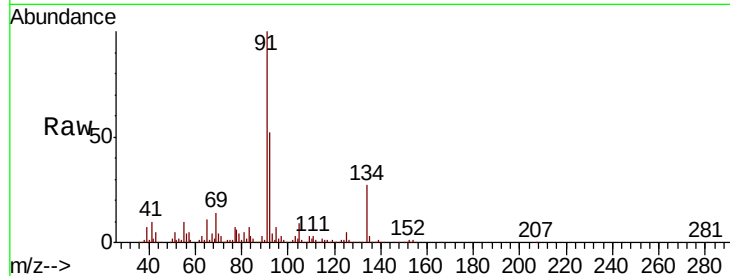
#89
n-Butylbenzene
Concen: 22.92 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050815.D
Acq: 22 Aug 2018 13:24

Instrument :
MSVOA_N
ClientSampled :
VN0822MBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.1	78.2
134	33.2	13.2	39.6

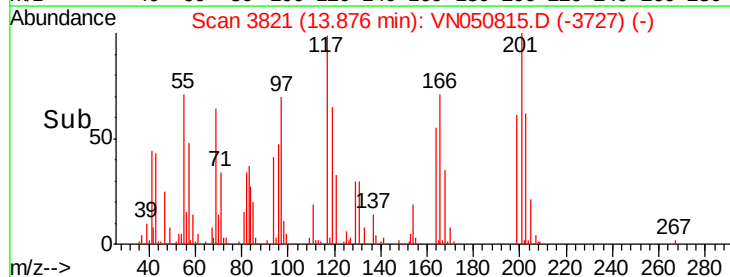
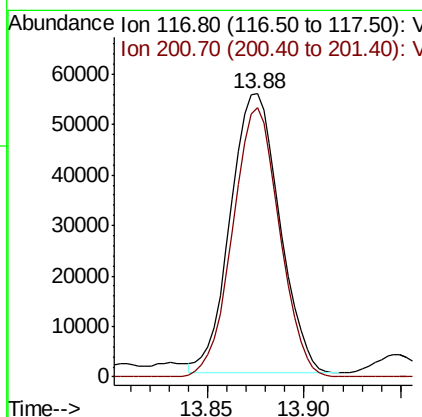
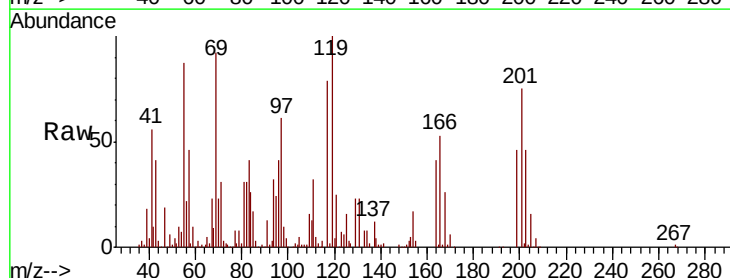
Manual Integrations
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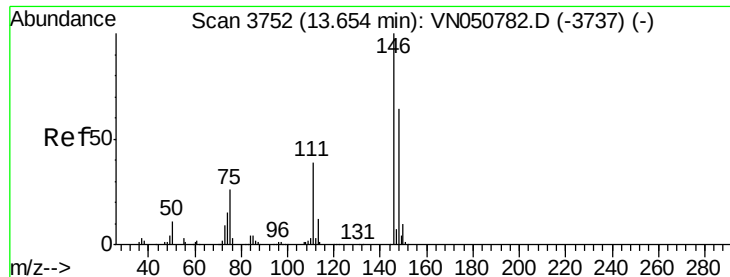
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#90
Hexachloroethane
Concen: 18.54 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050815.D
Acq: 22 Aug 2018 13:24

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.5	46.0	137.8





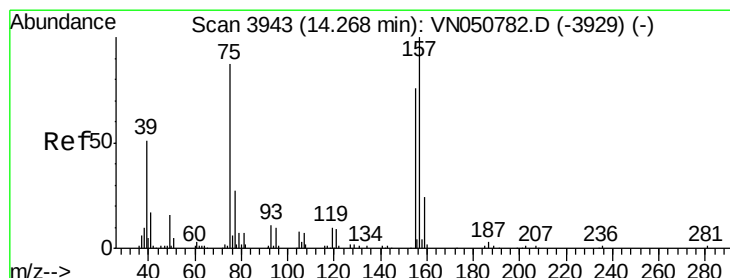
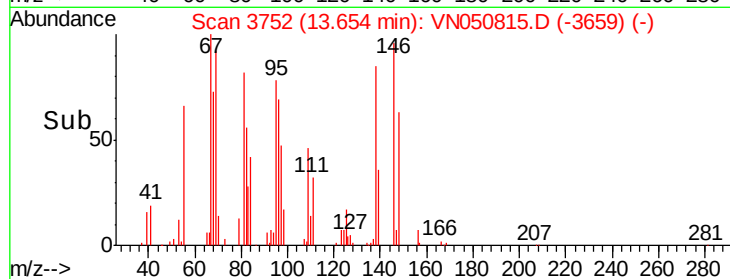
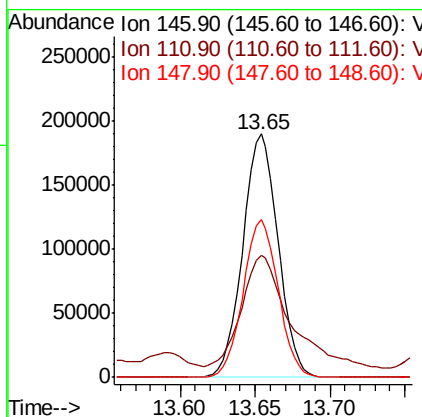
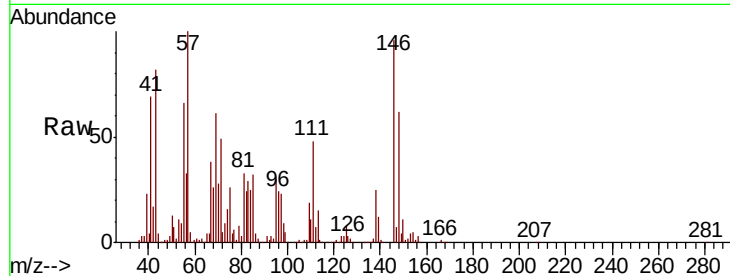
#91
 1,2-Dichlorobenzene
 Concen: 19.57 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050815.D
 Acq: 22 Aug 2018 13:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	66.2	19.8	59.3
148	64.4	32.3	96.8

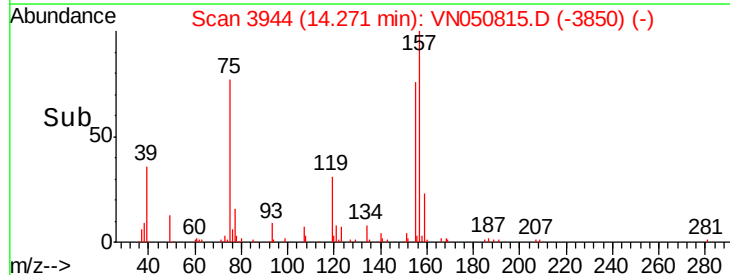
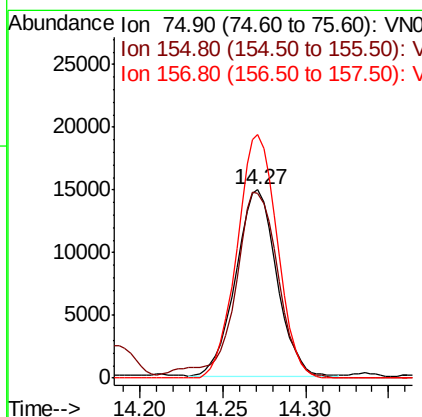
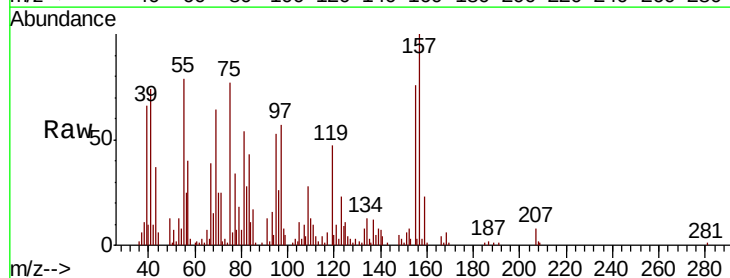
Manual Integrations
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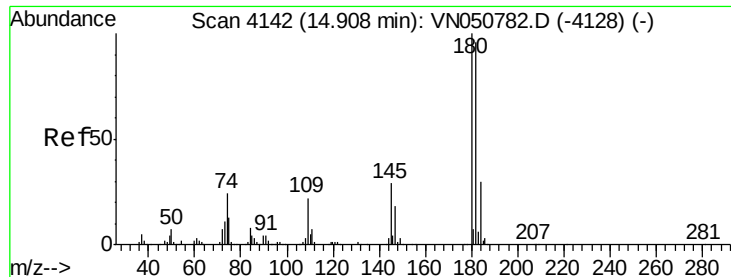
MMDadoda
 8/23/2018 12:26:49 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.77 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050815.D
 Acq: 22 Aug 2018 13:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	105.8	46.4	139.1
157	128.5	60.7	182.0





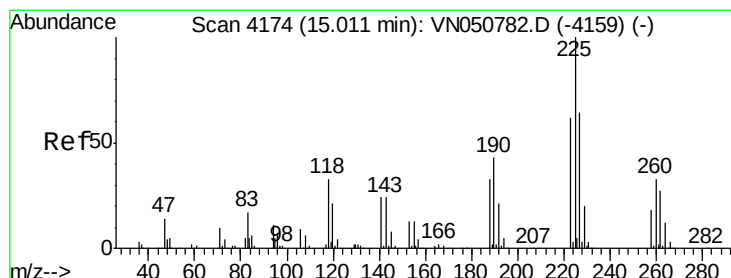
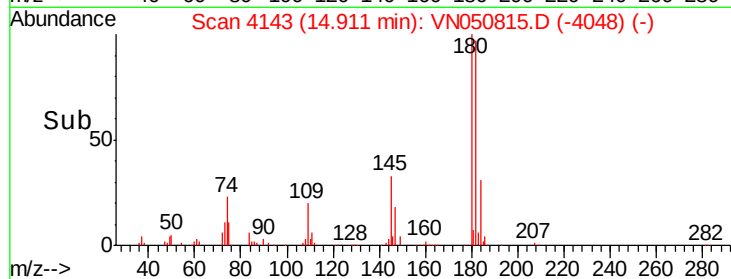
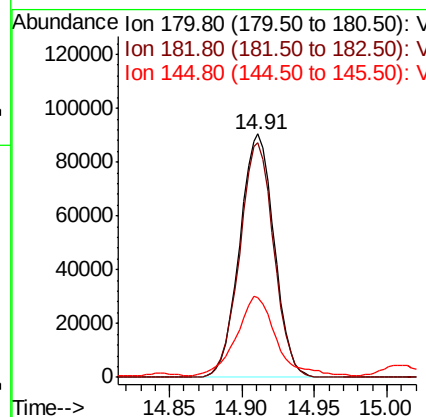
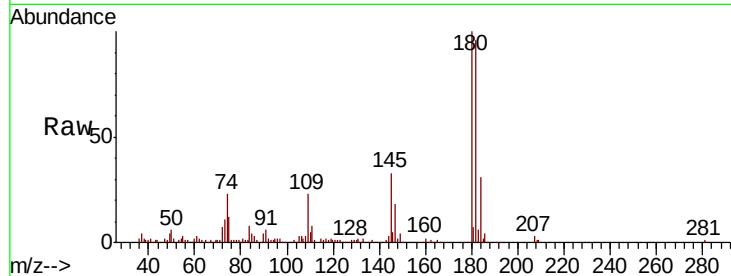
#93
 1,2,4-Trichlorobenzene
 Concen: 20.60 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050815.D
 Acq: 22 Aug 2018 13:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	149268		
182	95.4	48.2	144.6	
145	39.3	14.1	42.2	

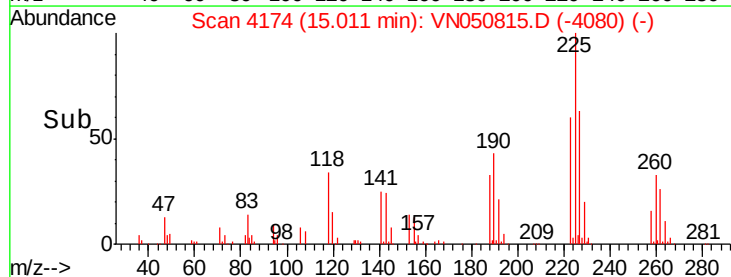
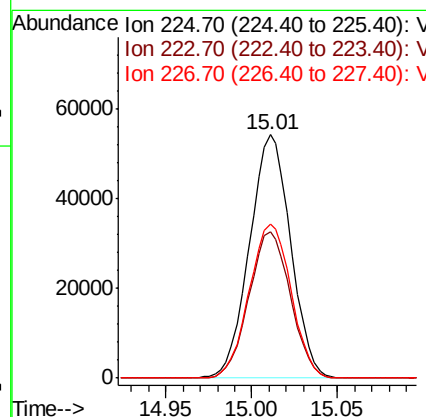
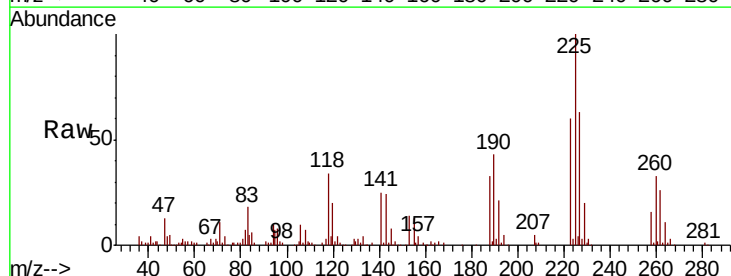
Manual Integrations
 APPROVED

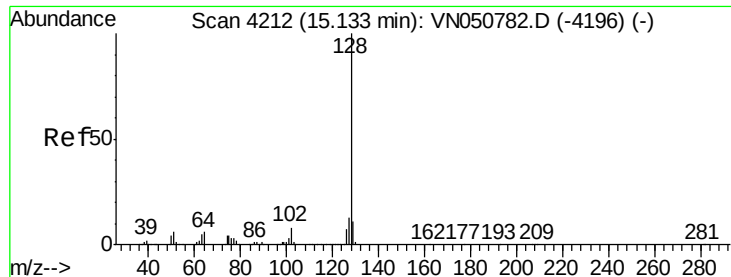
MMDadoda
 8/23/2018 12:26:49 PM



#94
 Hexachlorobutadiene
 Concen: 18.26 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050815.D
 Acq: 22 Aug 2018 13:24

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	89706		
223	60.8	31.3	93.8	
227	64.4	32.0	96.2	





#95

Naphthalene

Concen: 24.90 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN050815.D

Acq: 22 Aug 2018 13:24

Instrument :

MSVOA_N

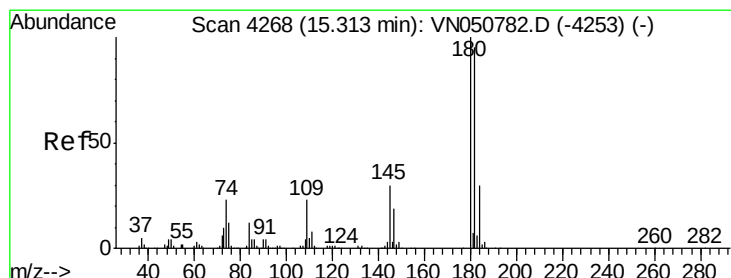
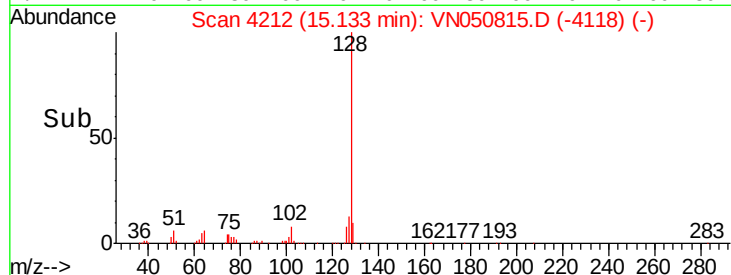
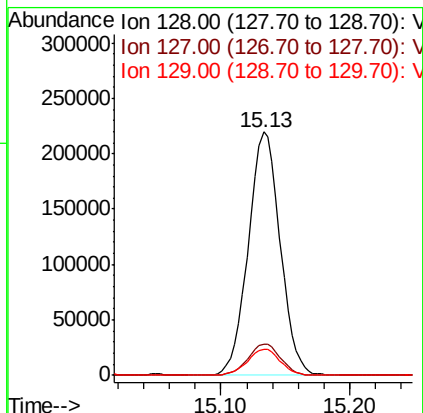
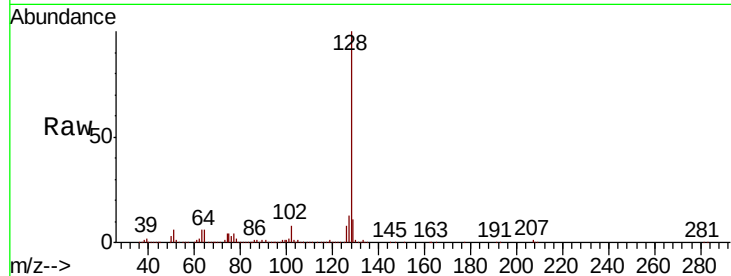
ClientSampleId :

VN0822MBSD01

Tot Ion:	128	Resp:	378116
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.5	15.7
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
8/23/2018 12:26:49 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.78 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050815.D

Acq: 22 Aug 2018 13:24

Tgt Ion:	180	Resp:	145628
Ion Ratio	Lower	Upper	
180	100		
182	95.9	48.0	144.2
145	33.1	15.2	45.6

