

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082418\
 Data File : VN050870.D
 Acq On : 24 Aug 2018 12:25
 Operator : MD\SY
 Sample : VN0824WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBS02

Quant Time: Aug 24 22:51:49 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	614033	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	885977	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	790541	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	369564	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	380119	51.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.84%	
35) Dibromofluoromethane	7.59	113	360232	51.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.22%	
50) Toluene-d8	10.09	98	1359031	51.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.14%	
62) 4-Bromofluorobenzene	12.40	95	426453	48.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	178040	21.67	ug/l	98
3) Chloromethane	2.06	50	195636	19.30	ug/l	100
4) Vinyl Chloride	2.18	62	192168	20.02	ug/l	100
5) Bromomethane	2.57	94	111733	19.83	ug/l	99
6) Chloroethane	2.70	64	110852	19.98	ug/l	99
7) Trichlorofluoromethane	3.01	101	249490	20.29	ug/l	98
8) Diethyl Ether	3.41	74	84919	20.31	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	154796	20.15	ug/l	99
10) Methyl Iodide	3.95	142	117279	21.53	ug/l	99
11) Tert butyl alcohol	4.79	59	48153	102.30	ug/l #	88
12) 1,1-Dichloroethene	3.74	96	137061	19.87	ug/l	98
13) Acrolein	3.61	56	20892	88.47	ug/l	98
14) Allyl chloride	4.33	41	212948	19.82	ug/l	99
15) Acrylonitrile	4.99	53	244792	102.33	ug/l	100
16) Acetone	3.82	43	175178	95.72	ug/l	98
17) Carbon Disulfide	4.05	76	422676	18.28	ug/l	100
18) Methyl Acetate	4.33	43	143252	20.52	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	357546	20.61	ug/l	98
20) Methylene Chloride	4.55	84	159583	19.15	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	145857	19.55	ug/l	98
22) Diisopropyl ether	5.96	45	453738	21.19	ug/l	99
23) Vinyl Acetate	5.90	43	1396844	101.28	ug/l	99
24) 1,1-Dichloroethane	5.85	63	275614	20.05	ug/l	99
25) 2-Butanone	6.84	43	263958	88.61	ug/l	99
26) 2,2-Dichloropropane	6.83	77	218217	19.75	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	161410	20.07	ug/l	98
28) Bromochloromethane	7.20	49	111695	19.12	ug/l	99
29) Tetrahydrofuran	7.22	42	175639	102.83	ug/l	99
30) Chloroform	7.37	83	275948	20.27	ug/l	98
31) Cyclohexane	7.66	56	244971	19.88	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	235211	20.11	ug/l	99
36) 1,1-Dichloropropene	7.79	75	205851	19.69	ug/l	100
37) Ethyl Acetate	6.93	43	122675	20.43	ug/l	99
38) Carbon Tetrachloride	7.77	117	209722	19.84	ug/l	98

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 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)
39) Methylcyclohexane	9.08	83	216956	19.18	ug/l	97
40) Benzene	8.04	78	634738	20.13	ug/l	100
41) Methacrylonitrile	7.21	41	174912	53.82	ug/l #	18
42) 1,2-Dichloroethane	8.13	62	188282	19.98	ug/l	100
43) Isopropyl Acetate	8.17	43	210455	20.38	ug/l #	88
44) Trichloroethene	8.84	130	169250	20.36	ug/l	98
45) 1,2-Dichloropropane	9.12	63	167117	20.17	ug/l	99
46) Dibromomethane	9.21	93	97549	20.04	ug/l	98
47) Bromodichloromethane	9.40	83	204711	20.08	ug/l	96
48) Methyl methacrylate	9.20	41	105464	20.04	ug/l	100
49) 1,4-Dioxane	9.20	88	29063	405.12	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	602288	97.74	ug/l	100
52) Toluene	10.16	92	387711	20.76	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	196148	19.33	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	234732	20.20	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	139566	20.13	ug/l	98
56) Ethyl methacrylate	10.43	69	158375	19.09	ug/l	100
57) 1,3-Dichloropropane	10.71	76	232573	20.33	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	337894	93.90	ug/l	99
59) 2-Hexanone	10.75	43	380303	92.71	ug/l	99
60) Dibromochloromethane	10.90	129	155977	20.10	ug/l	100
61) 1,2-Dibromoethane	11.01	107	137089	20.45	ug/l	99
64) Tetrachloroethene	10.63	164	150717	20.07	ug/l	98
65) Chlorobenzene	11.44	112	412095	19.94	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	155379	20.55	ug/l	98
67) Ethyl Benzene	11.51	91	679685	20.23	ug/l	100
68) m/p-Xylenes	11.62	106	534348	41.91	ug/l	100
69) o-Xylene	11.95	106	254441	20.76	ug/l	100
70) Styrene	11.96	104	395471	19.11	ug/l	99
71) Bromoform	12.13	173	104561	20.11	ug/l #	99
73) Isopropylbenzene	12.25	105	671365	21.94	ug/l	100
74) N-amyl acetate	12.07	43	157375	20.47	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	169598	22.34	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	193540	29.90	ug/l #	100
77) Bromobenzene	12.53	156	170461	20.50	ug/l	100
78) n-propylbenzene	12.59	91	746668	21.84	ug/l	99
79) 2-Chlorotoluene	12.67	91	454540	21.35	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	545194	22.08	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	39081	20.41	ug/l	98
82) 4-Chlorotoluene	12.77	91	445315	21.18	ug/l	100
83) tert-Butylbenzene	12.99	119	462186	21.61	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	550614	22.17	ug/l	100
85) sec-Butylbenzene	13.17	105	610050	21.77	ug/l	99
86) p-Isopropyltoluene	13.29	119	522865	21.90	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	281143	19.92	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	271634	19.56	ug/l	99
89) n-Butylbenzene	13.62	91	377050	19.74	ug/l	100
90) Hexachloroethane	13.87	117	98442	21.74	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	278157	20.43	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22266	20.26	ug/l	96

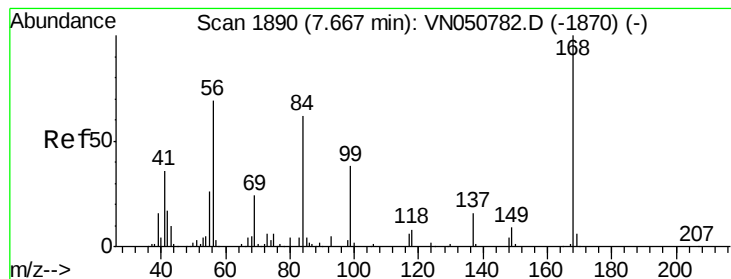
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082418\
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Quant Title : SW846 8260
QLast Update : Wed Aug 22 05:38:12 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	108000	18.08	ug/l	98
94) Hexachlorobutadiene	15.01	225	87446	21.02	ug/l	99
95) Naphthalene	15.13	128	205190	17.80	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	110319	18.82	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050870.D

Acq: 24 Aug 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

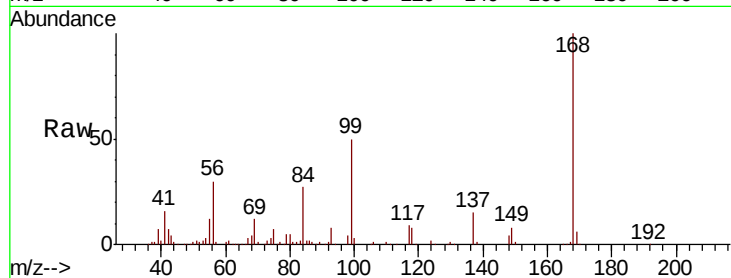
VN0824WBS02

Tot Ion:168 Resp: 614033

Ion Ratio Lower Upper

168 100

99 49.8 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

250000

200000

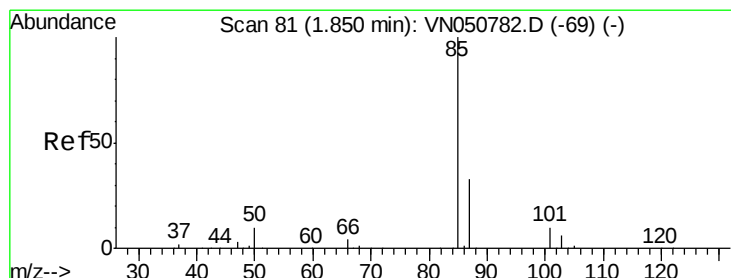
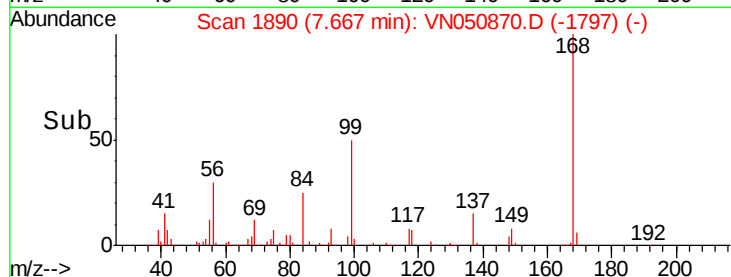
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.67 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050870.D

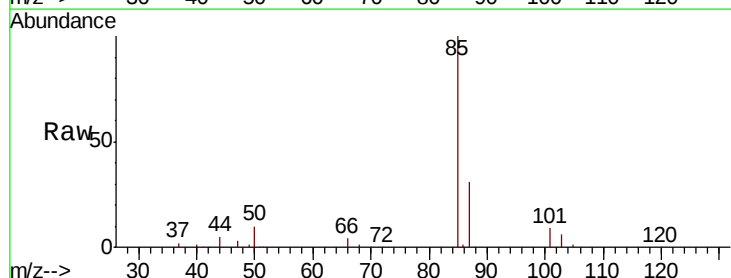
Acq: 24 Aug 2018 12:25

Tgt Ion: 85 Resp: 178040

Ion Ratio Lower Upper

85 100

87 31.4 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

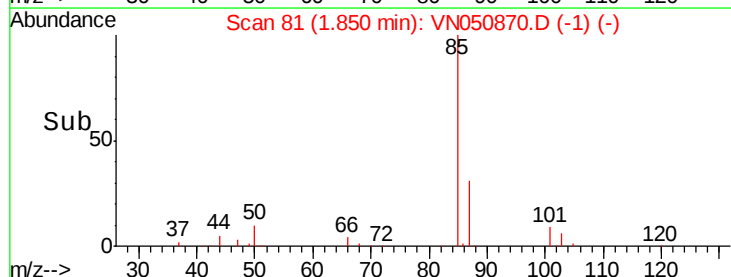
150000

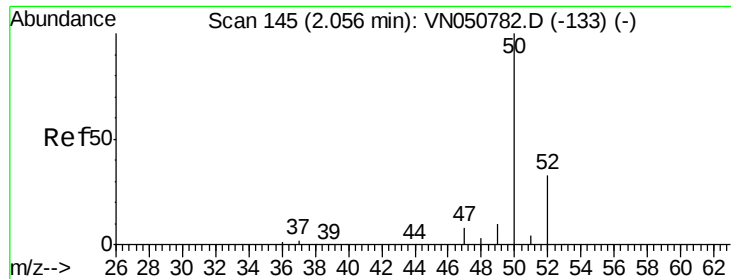
100000

50000

0

Time-->





#3

Chloromethane

Concen: 19.30 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050870.D

Acq: 24 Aug 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

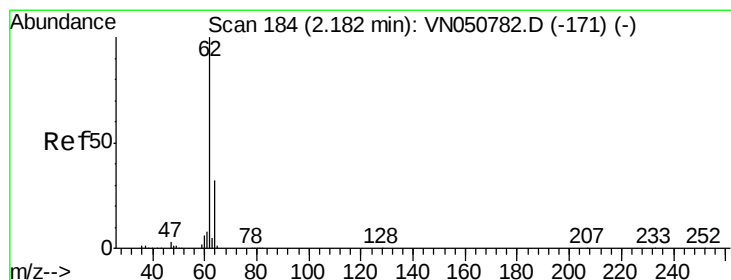
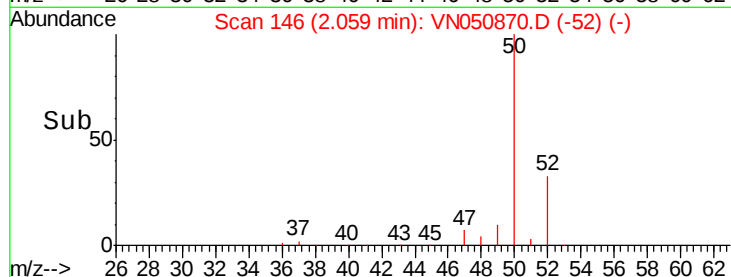
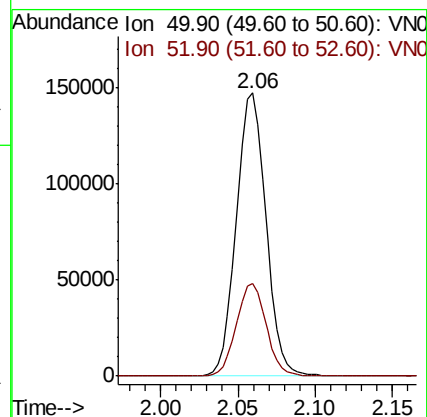
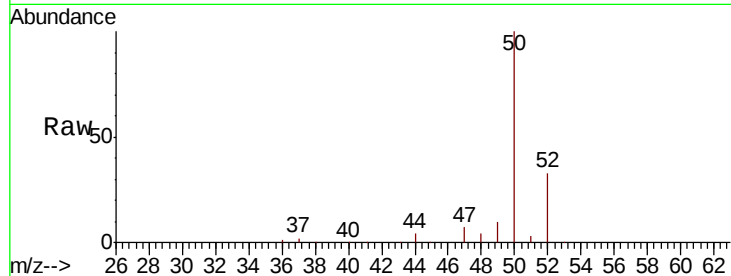
VN0824WBS02

Tot Ion: 50 Resp: 195636

Ion Ratio Lower Upper

50 100

52 33.0 26.3 39.5



#4

Vinyl Chloride

Concen: 20.02 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN050870.D

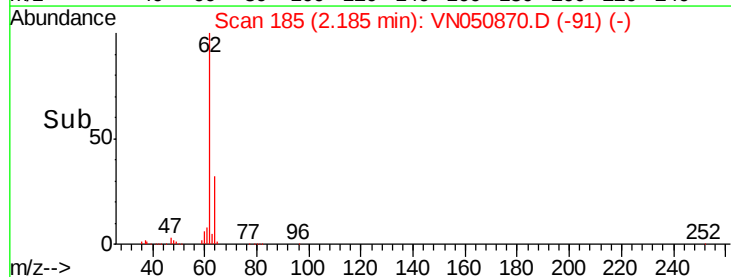
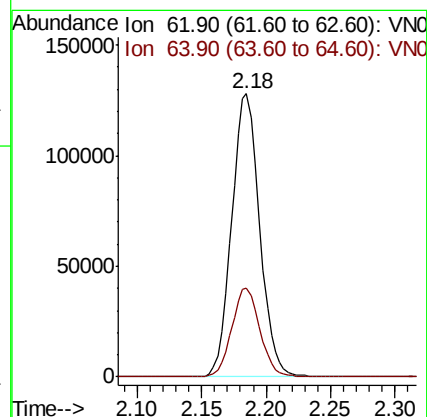
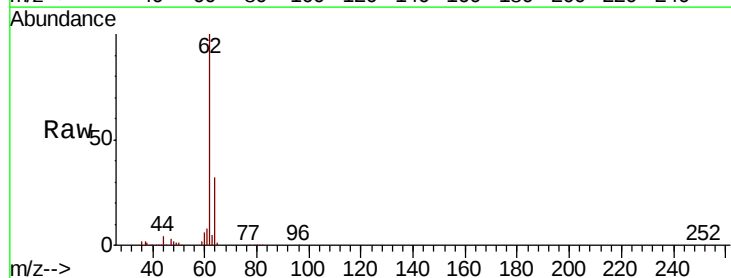
Acq: 24 Aug 2018 12:25

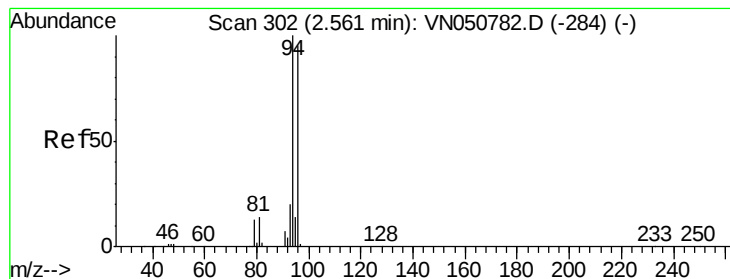
Tgt Ion: 62 Resp: 192168

Ion Ratio Lower Upper

62 100

64 31.6 25.4 38.2





#5

Bromomethane

Concen: 19.83 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN050870.D

Acq: 24 Aug 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

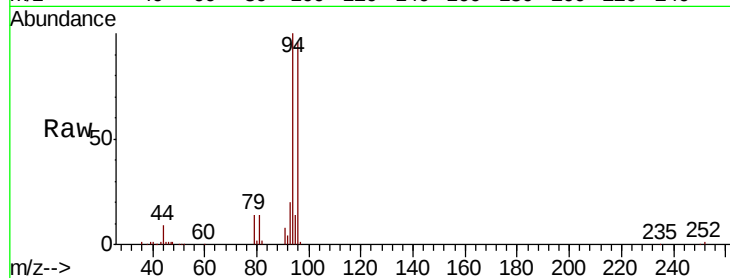
VN0824WBS02

Tot Ion: 94 Resp: 111733

Ion Ratio Lower Upper

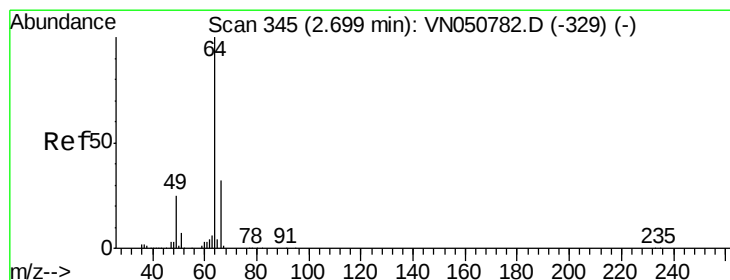
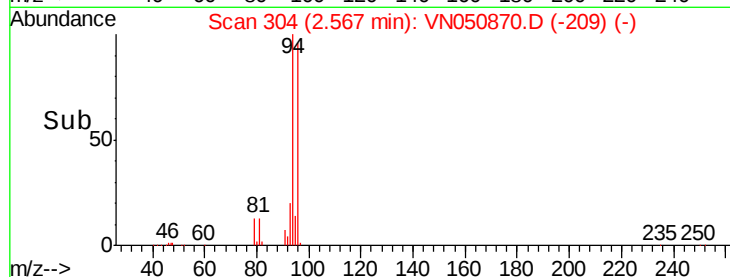
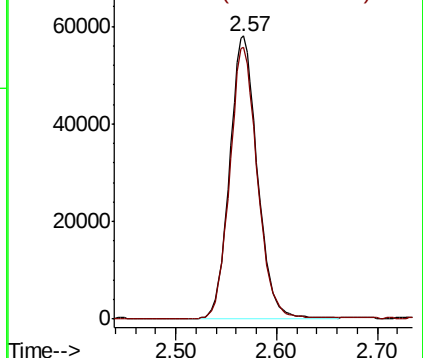
94 100

96 96.1 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.98 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050870.D

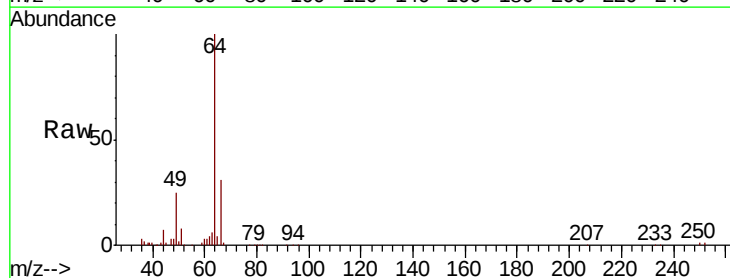
Acq: 24 Aug 2018 12:25

Tgt Ion: 64 Resp: 110852

Ion Ratio Lower Upper

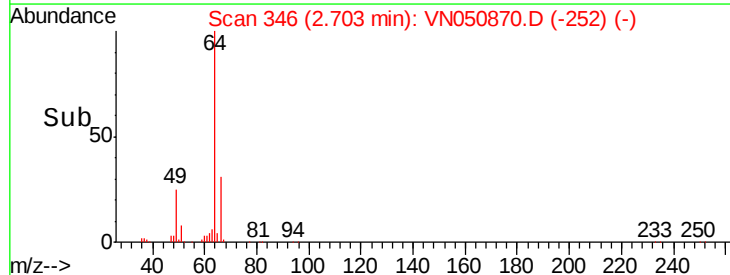
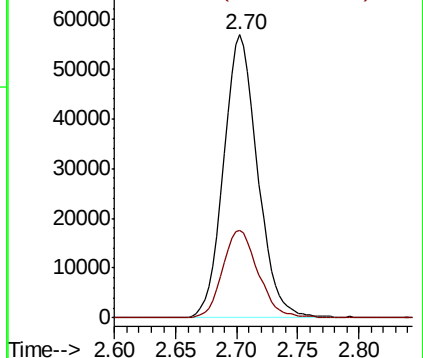
64 100

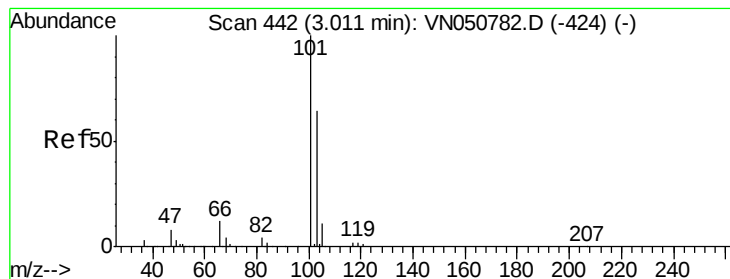
66 30.9 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

Trichlorofluoromethane

Concen: 20.29 ug/l

RT: 3.01 min Scan# 443

Delta R.T. 0.00 min

Lab File: VN050870.D

Acq: 24 Aug 2018 12:25

Instrument :

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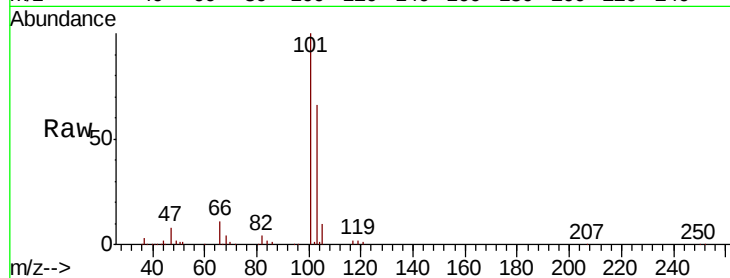
VN0824WBS02

Tot Ion:101 Resp: 249490

Ion Ratio Lower Upper

101 100

103 66.1 51.6 77.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.01

120000

100000

80000

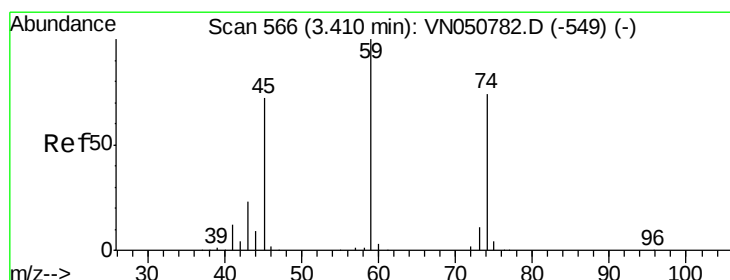
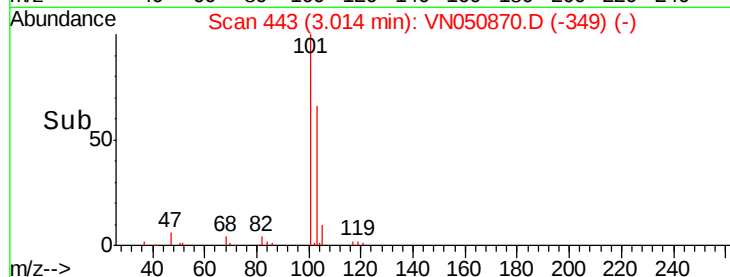
60000

40000

20000

0

Time--> 2.90 3.00 3.10



#8

Diethyl Ether

Concen: 20.31 ug/l

RT: 3.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VN050870.D

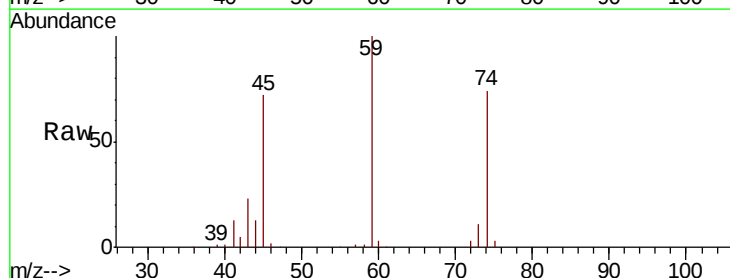
Acq: 24 Aug 2018 12:25

Tgt Ion: 74 Resp: 84919

Ion Ratio Lower Upper

74 100

45 94.6 48.2 144.6



Abundance Ion 74.00 (73.70 to 74.70): V

Ion 45.00 (44.70 to 45.70): V

3.41

40000

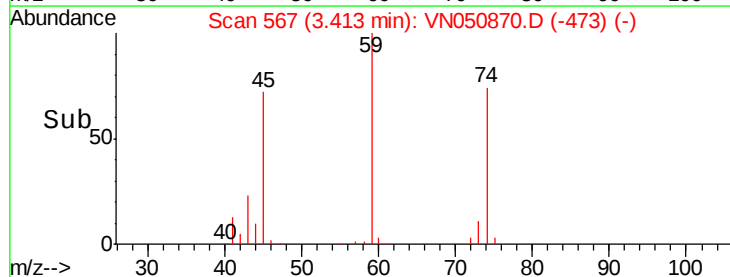
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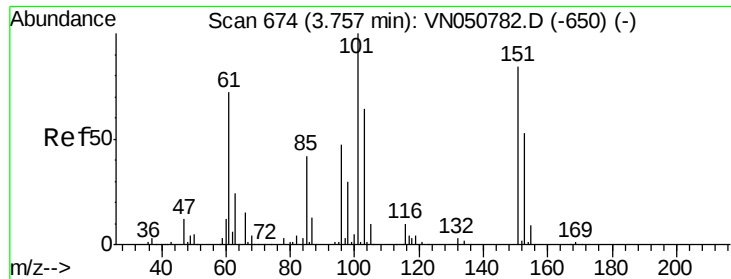
20000

10000

0

Time--> 3.35 3.40 3.45 3.50





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.15 ug/l

RT: 3.76 min Scan# 675

Delta R.T. 0.00 min

Lab File: VN050870.D

Acq: 24 Aug 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBS02

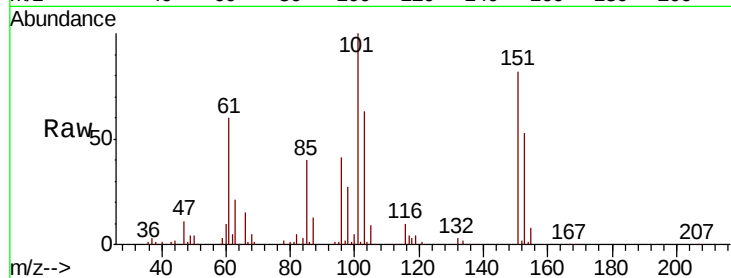
Tot Ion:101 Resp: 154796

Ion Ratio Lower Upper

101 100

85 41.1 33.7 50.5

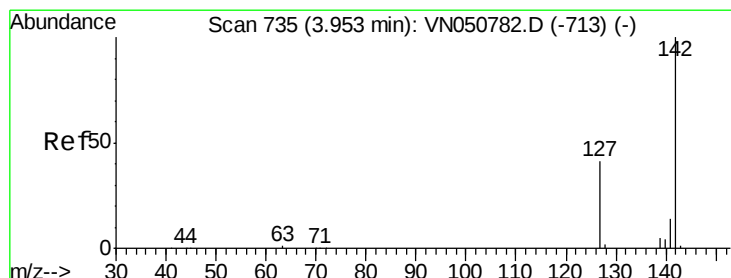
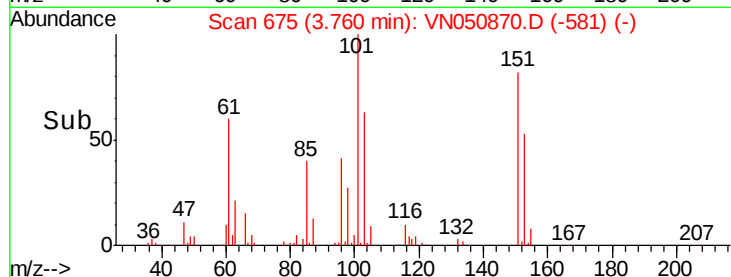
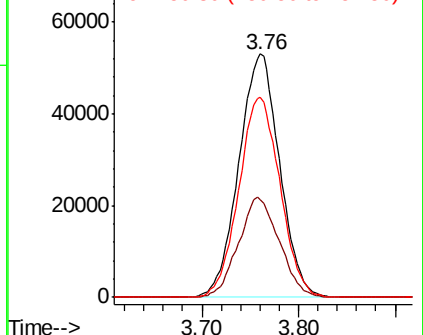
151 83.4 67.4 101.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.53 ug/l

RT: 3.95 min Scan# 735

Delta R.T. 0.00 min

Lab File: VN050870.D

Acq: 24 Aug 2018 12:25

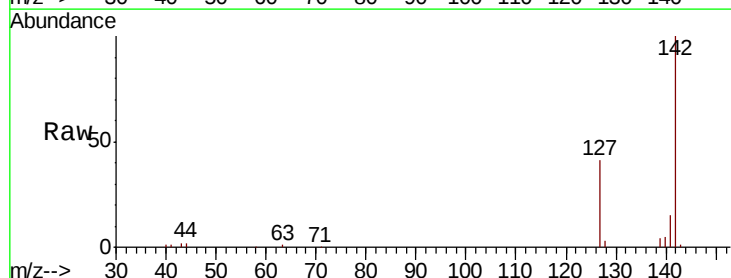
Tgt Ion:142 Resp: 117279

Ion Ratio Lower Upper

142 100

127 40.3 31.7 47.5

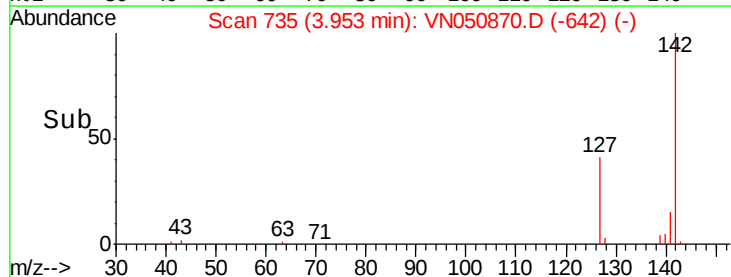
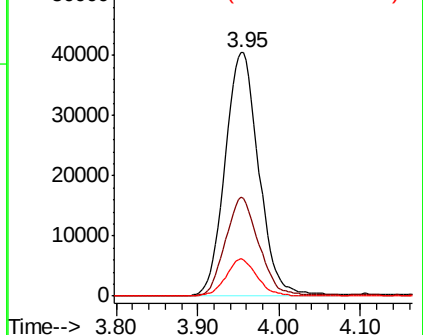
141 14.0 11.4 17.0

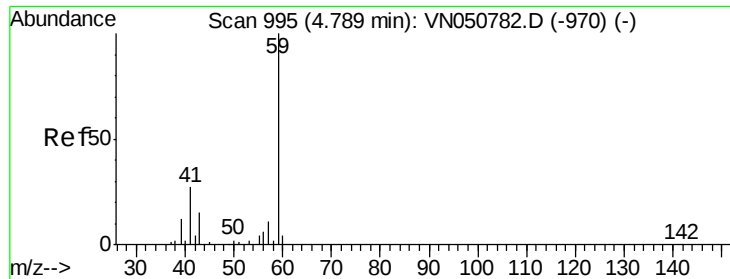


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



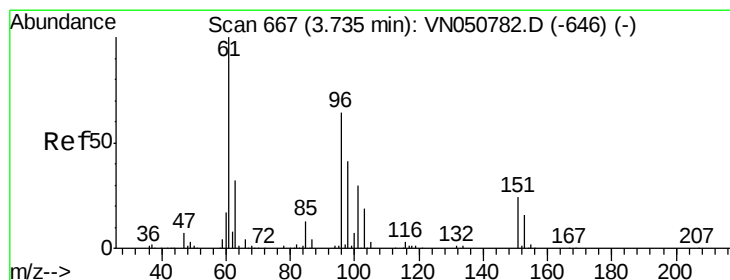
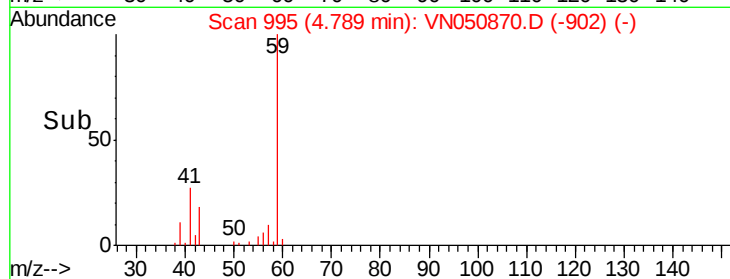
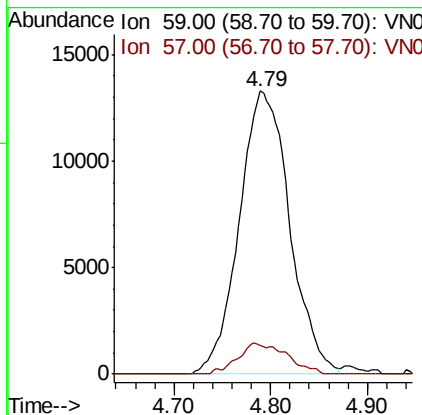
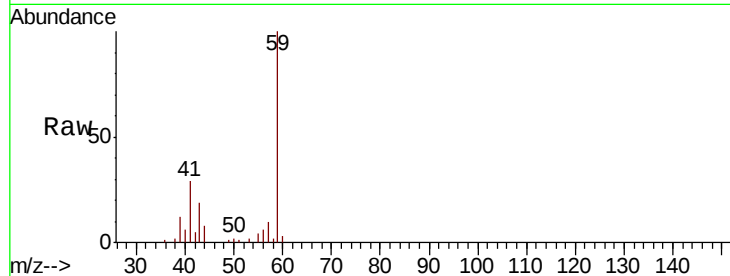


#11

Tert butyl alcohol
 Concen: 102.30 ug/l
 RT: 4.79 min Scan# 995
 Delta R.T. -0.00 min
 Lab File: VN050870.D
 Acq: 24 Aug 2018 12:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBS02

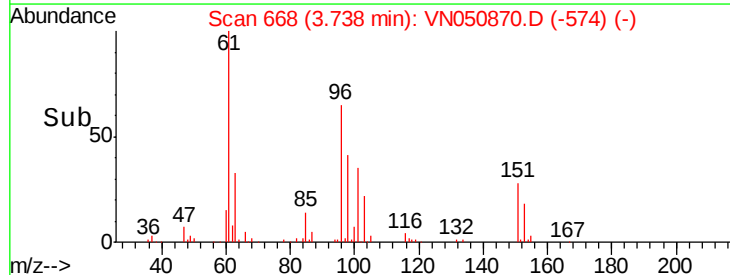
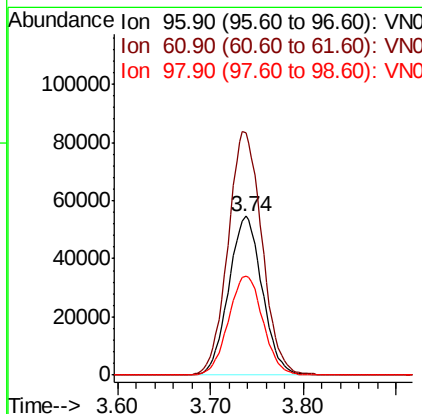
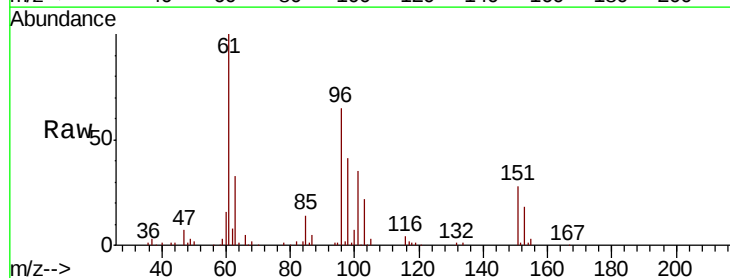
Tot Ion: 59 Resp: 48153
 Ion Ratio Lower Upper
 59 100
 57 6.1 8.3 12.5#

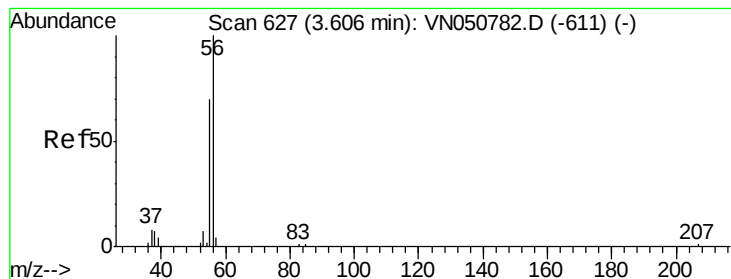


#12

1,1-Dichloroethene
 Concen: 19.87 ug/l
 RT: 3.74 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: VN050870.D
 Acq: 24 Aug 2018 12:25

Tgt Ion: 96 Resp: 137061
 Ion Ratio Lower Upper
 96 100
 61 152.8 124.9 187.3
 98 62.3 51.1 76.7





#13

Acrolein

Concen: 88.47 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.01 min

Lab File: VN050870.D

Acq: 24 Aug 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

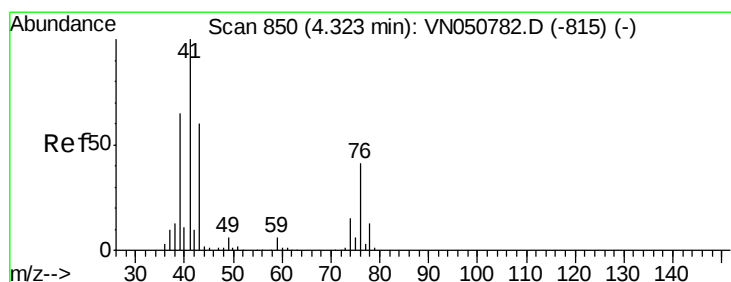
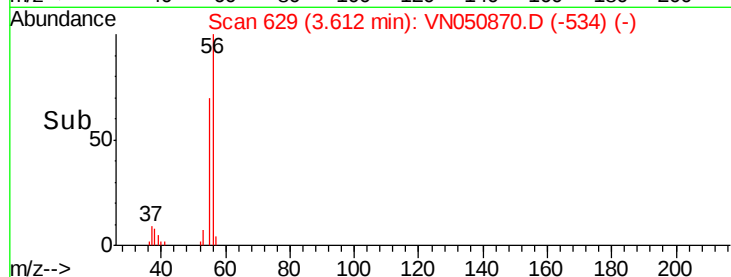
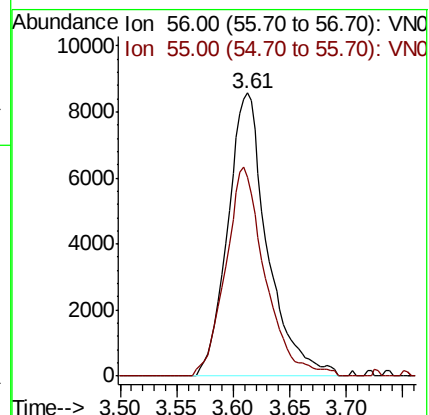
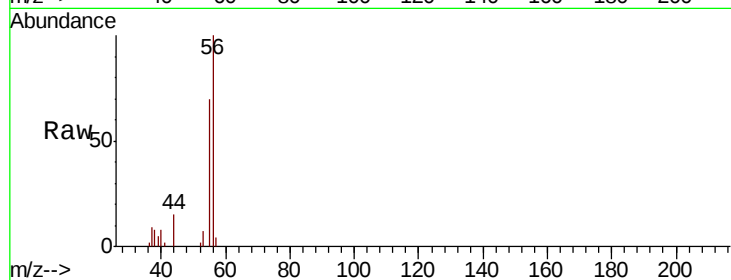
VN0824WBS02

Tot Ion: 56 Resp: 20892

Ion Ratio Lower Upper

56 100

55 73.6 57.7 86.5



#14

Allyl chloride

Concen: 19.82 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN050870.D

Acq: 24 Aug 2018 12:25

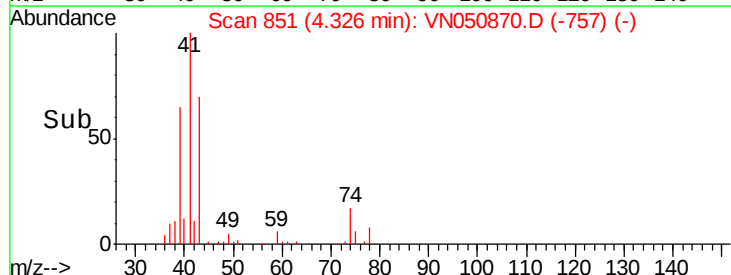
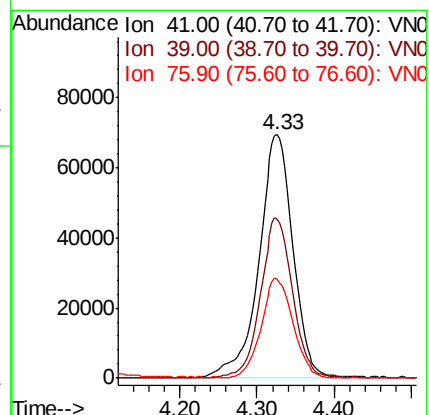
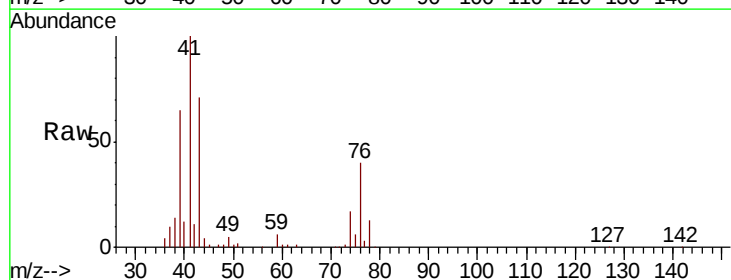
Tgt Ion: 41 Resp: 212948

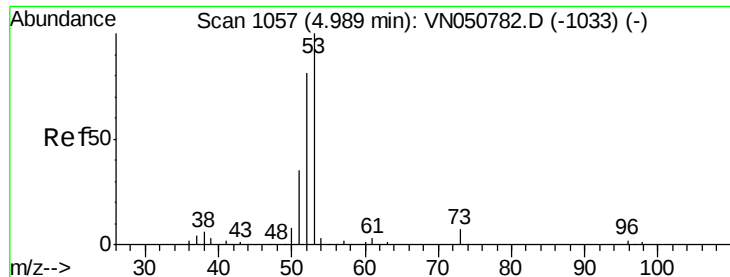
Ion Ratio Lower Upper

41 100

39 62.0 50.2 75.2

76 37.7 29.8 44.8

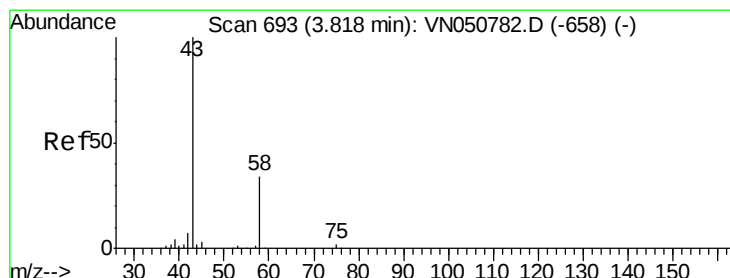
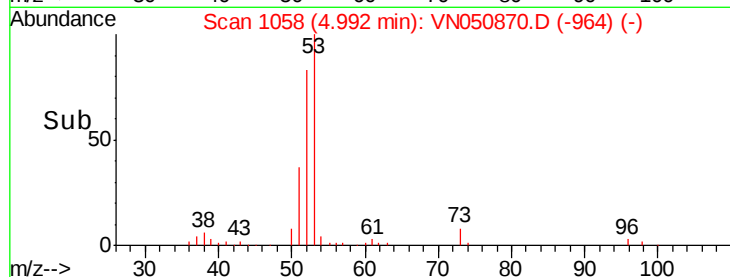
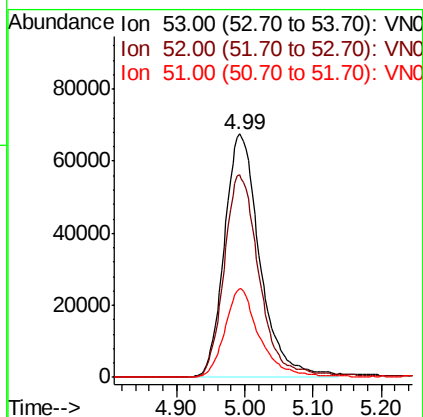
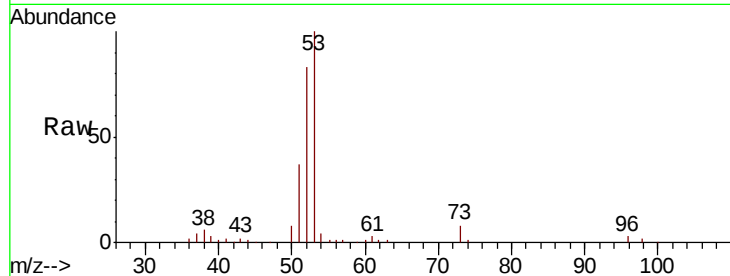




#15
 Acrylonitrile
 Concen: 102.33 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: VN050870.D
 Acq: 24 Aug 2018 12:25

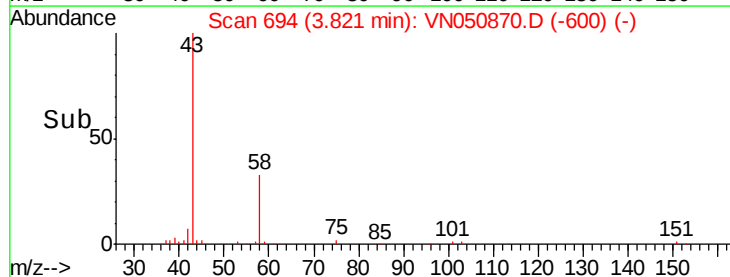
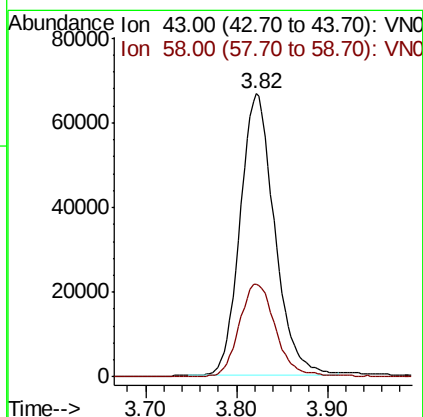
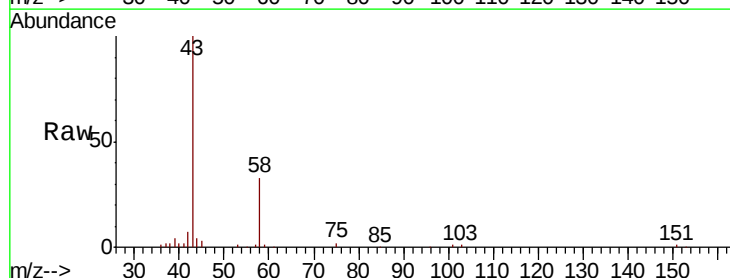
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBS02

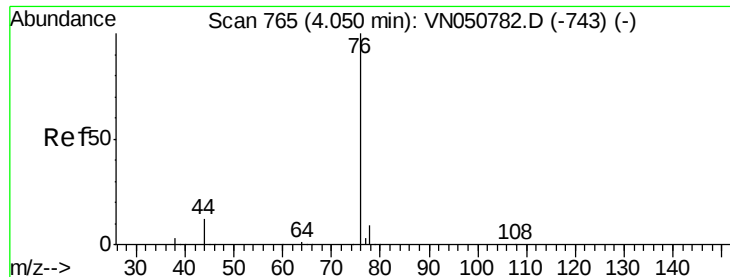
Tot Ion: 53 Resp: 244792
 Ion Ratio Lower Upper
 53 100
 52 82.3 65.9 98.9
 51 35.7 28.6 43.0



#16
 Acetone
 Concen: 95.72 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VN050870.D
 Acq: 24 Aug 2018 12:25

Tgt Ion: 43 Resp: 175178
 Ion Ratio Lower Upper
 43 100
 58 33.1 27.2 40.8

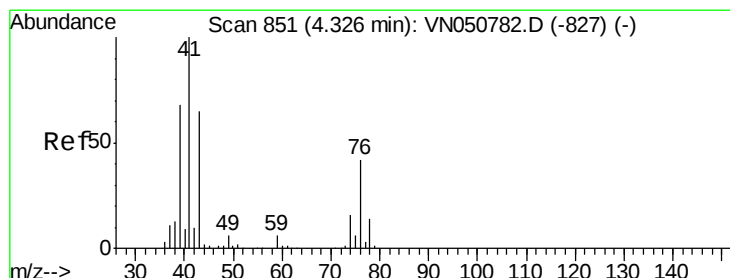
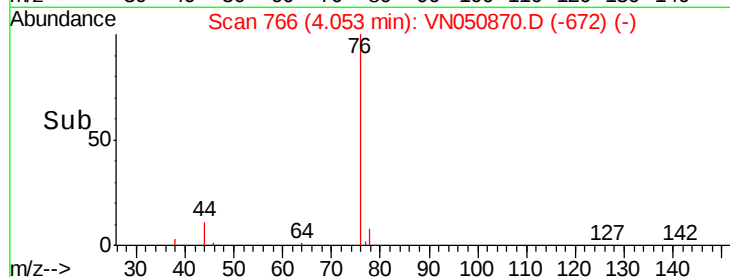
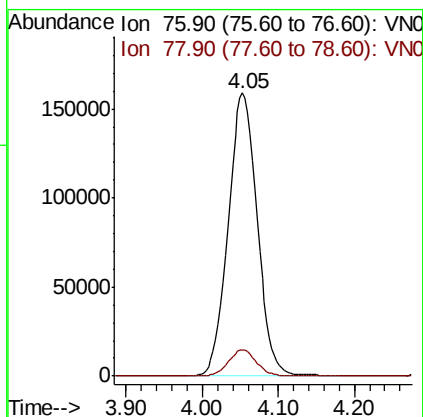
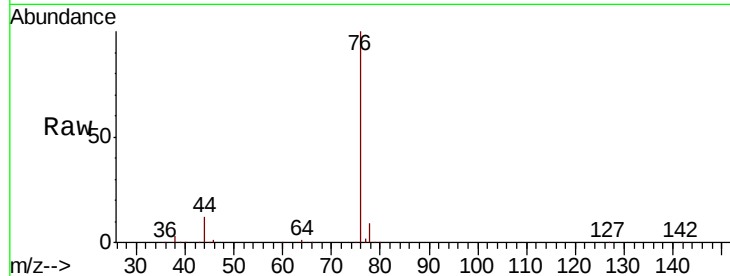




#17
Carbon Disulfide
Concen: 18.28 ug/l
RT: 4.05 min Scan# 766
Delta R.T. 0.00 min
Lab File: VN050870.D
Acq: 24 Aug 2018 12:25

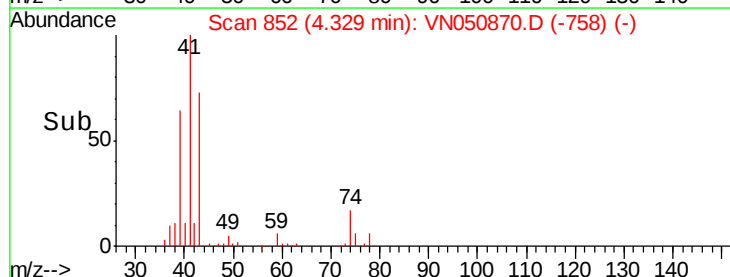
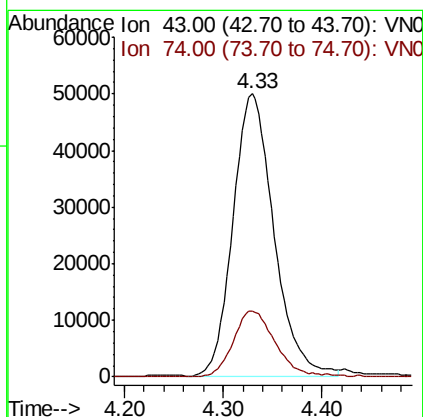
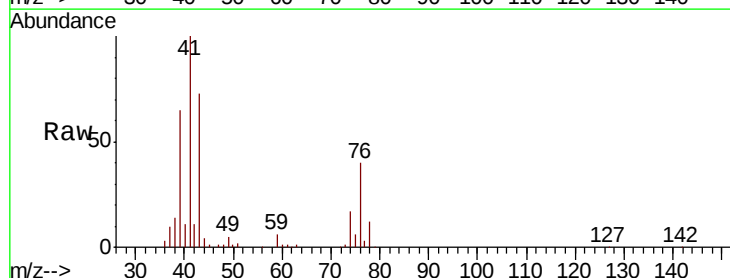
Instrument :
MSVOA_N
ClientSampleId :
VN0824WBS02

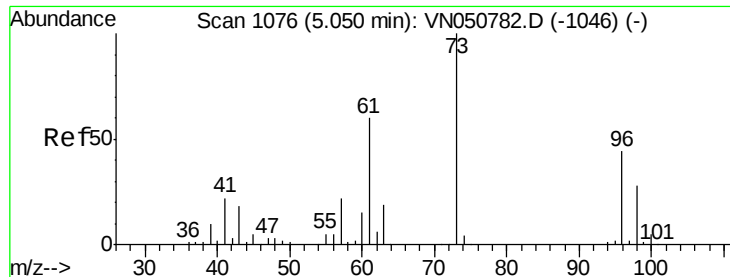
Tot Ion: 76 Resp: 422676
Ion Ratio Lower Upper
76 100
78 9.2 7.3 10.9



#18
Methyl Acetate
Concen: 20.52 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN050870.D
Acq: 24 Aug 2018 12:25

Tgt Ion: 43 Resp: 143252
Ion Ratio Lower Upper
43 100
74 23.7 19.8 29.8



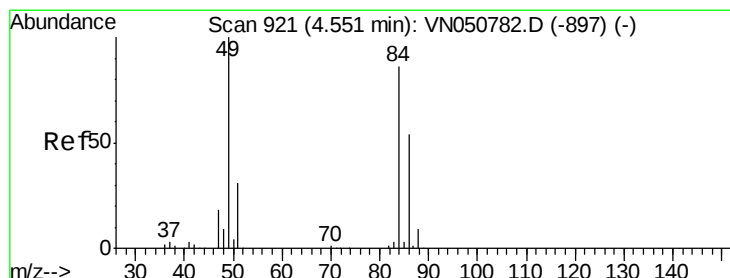
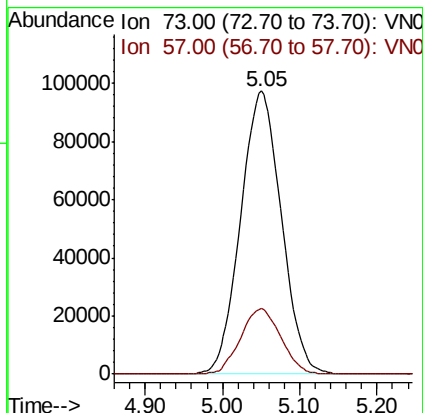
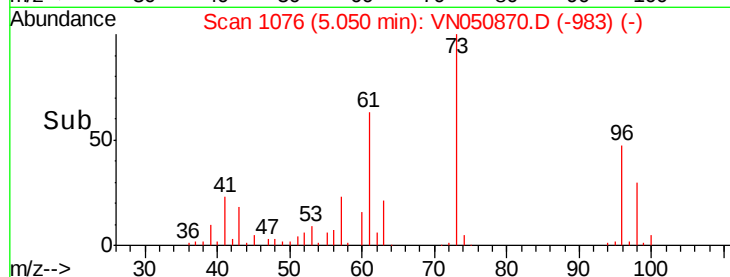
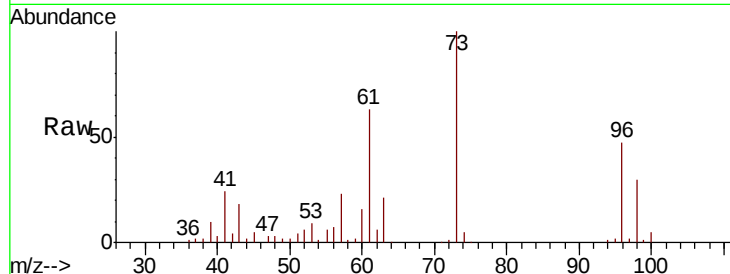


#19

Methyl tert-butyl Ether
 Concen: 20.61 ug/l
 RT: 5.05 min Scan# 1076
 Delta R.T. -0.00 min
 Lab File: VN050870.D
 Acq: 24 Aug 2018 12:25

Instrument :
 MSVOA_N
 ClientSampled :
 VN0824WBS02

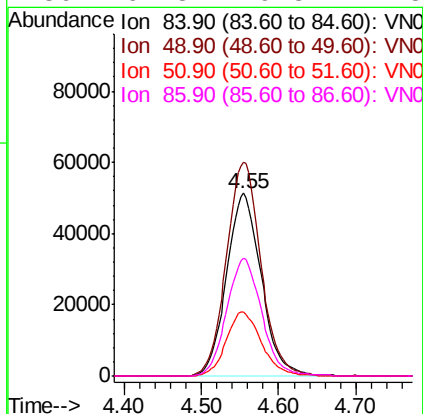
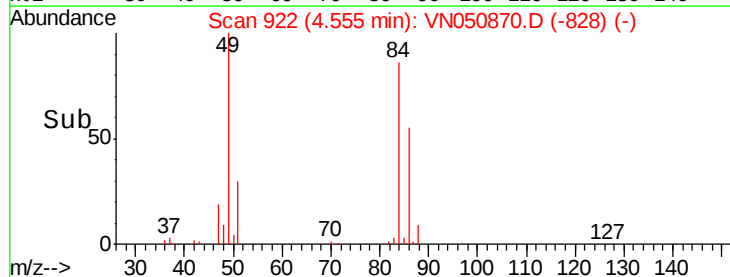
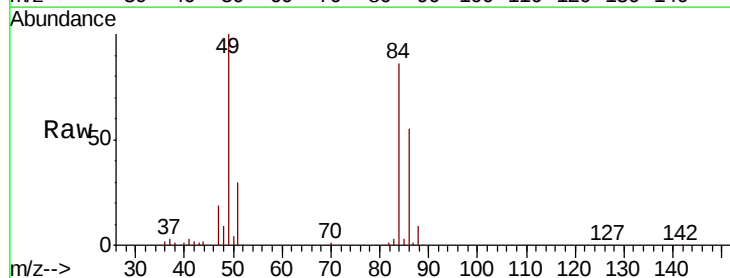
Tot Ion: 73 Resp: 357546
 Ion Ratio Lower Upper
 73 100
 57 23.0 17.8 26.8

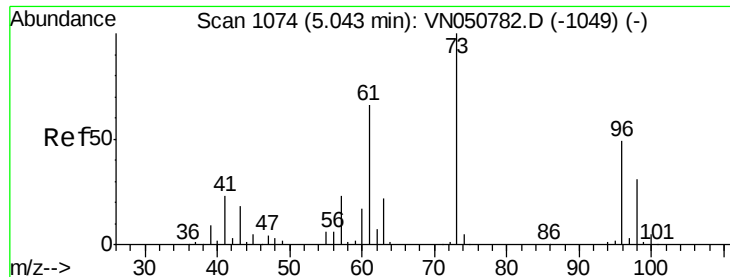


#20

Methylene Chloride
 Concen: 19.15 ug/l
 RT: 4.55 min Scan# 922
 Delta R.T. 0.00 min
 Lab File: VN050870.D
 Acq: 24 Aug 2018 12:25

Tgt Ion: 84 Resp: 159583
 Ion Ratio Lower Upper
 84 100
 49 116.9 93.2 139.8
 51 35.2 29.0 43.6
 86 64.8 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 19.55 ug/l

RT: 5.05 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VN050870.D

Acq: 24 Aug 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBS02

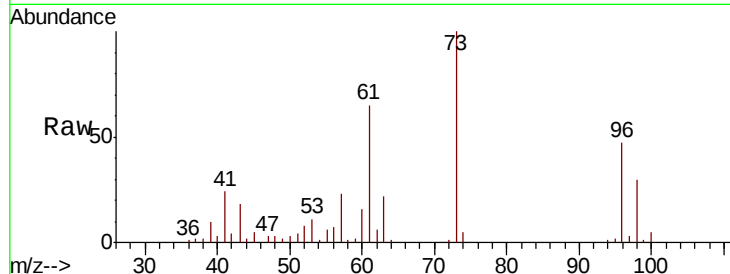
Tot Ion: 96 Resp: 145857

Ion Ratio Lower Upper

96 100

61 136.6 107.4 161.0

98 63.9 50.7 76.1

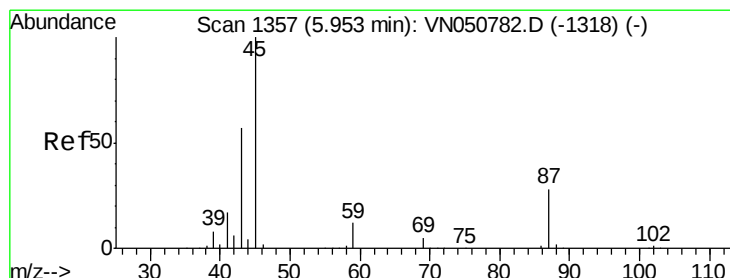
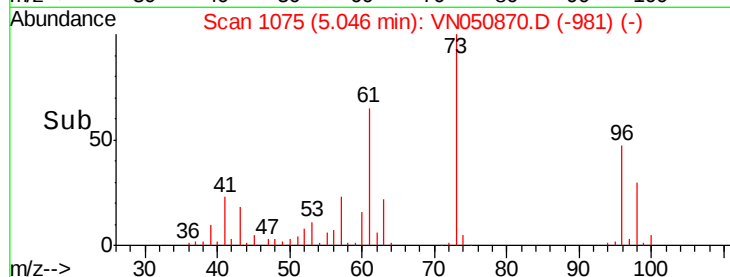
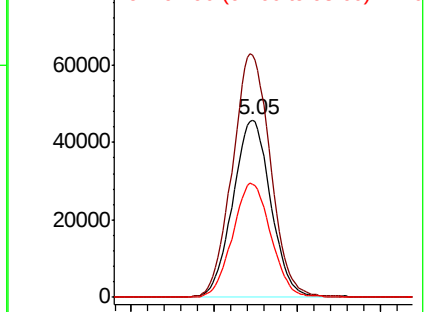


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 21.19 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VN050870.D

Acq: 24 Aug 2018 12:25

Tgt Ion: 45 Resp: 453738

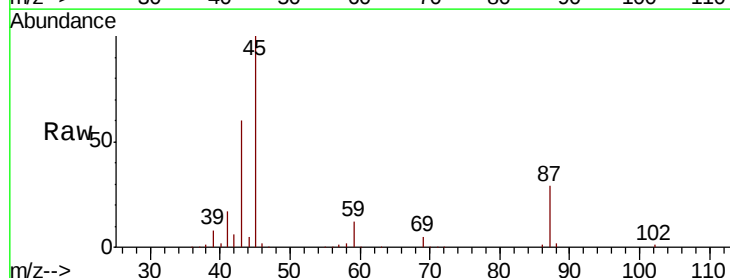
Ion Ratio Lower Upper

45 100

43 58.7 45.9 68.9

87 28.7 22.7 34.1

59 12.2 9.3 13.9



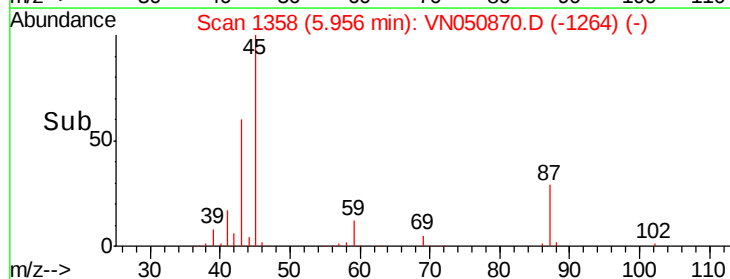
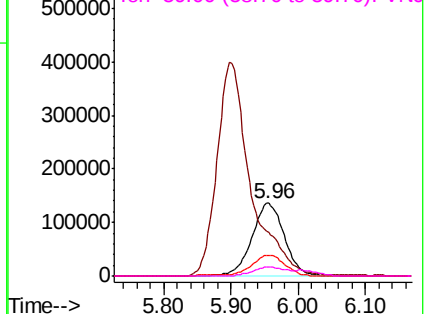
Abundance

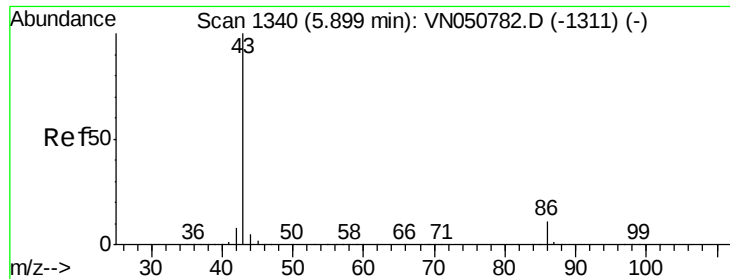
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

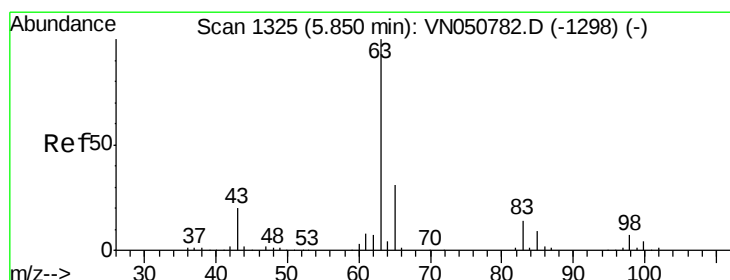
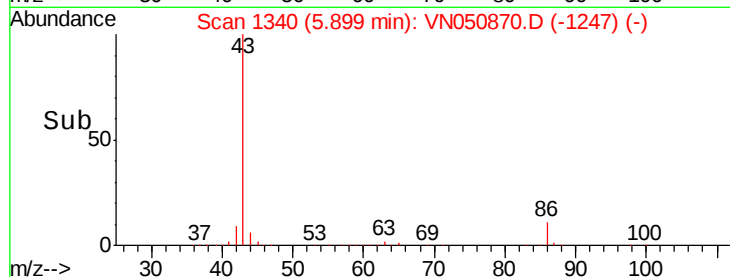
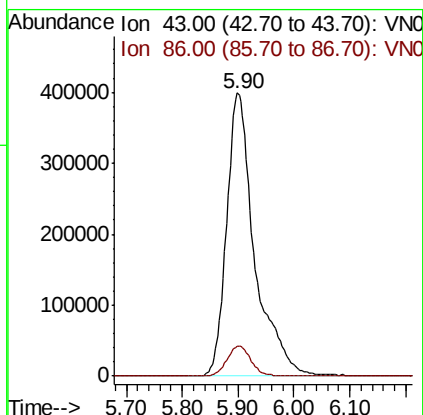
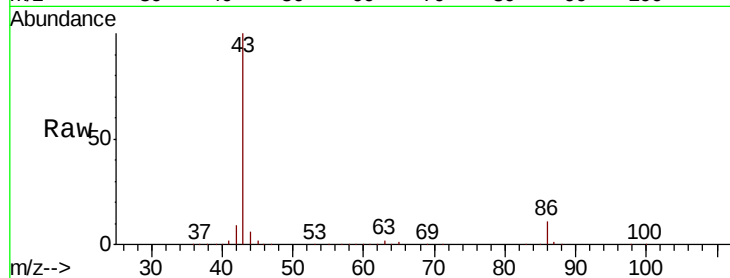




#23
 Vinyl Acetate
 Concen: 101.28 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VN050870.D
 Acq: 24 Aug 2018 12:25

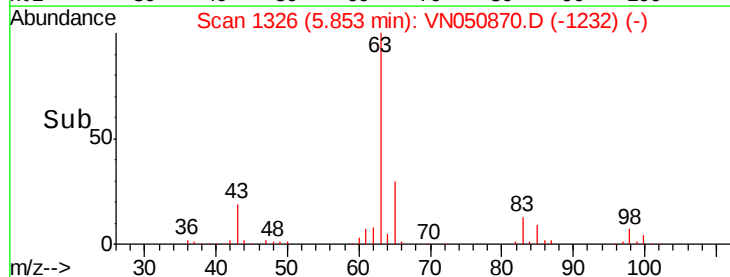
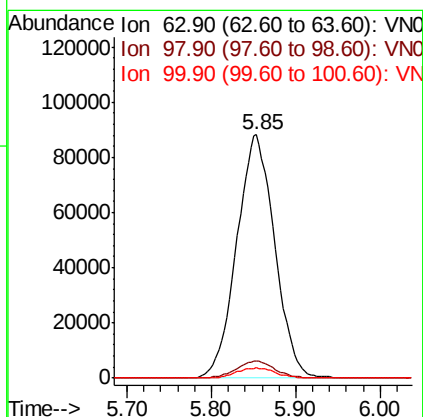
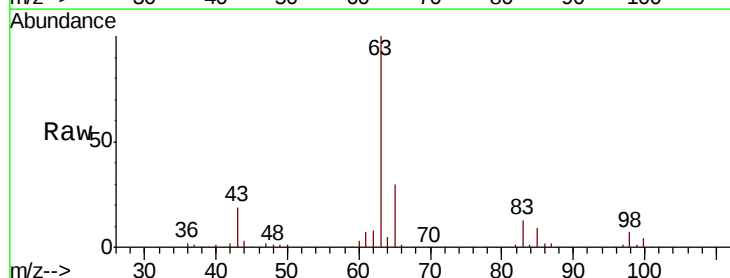
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBS02

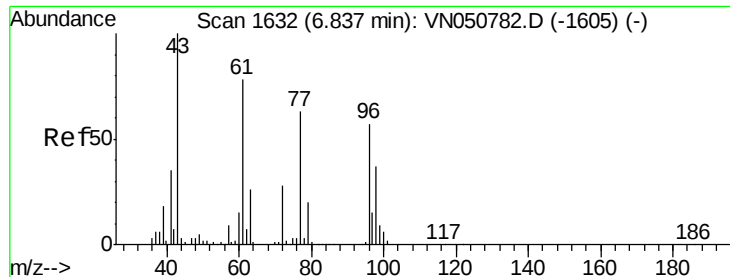
Tot Ion: 43 Resp: 1396844
 Ion Ratio Lower Upper
 43 100
 86 10.7 8.7 13.1



#24
 1,1-Dichloroethane
 Concen: 20.05 ug/l
 RT: 5.85 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: VN050870.D
 Acq: 24 Aug 2018 12:25

Tgt Ion: 63 Resp: 275614
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.3 9.8
 100 4.1 2.1 6.5

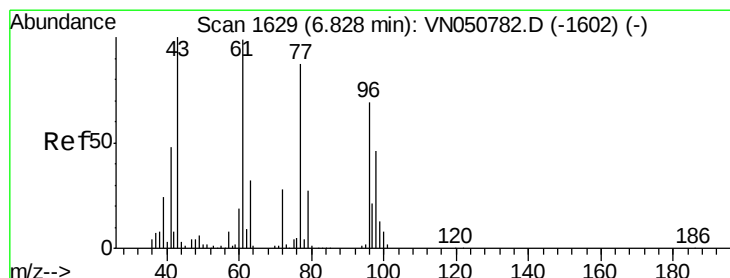
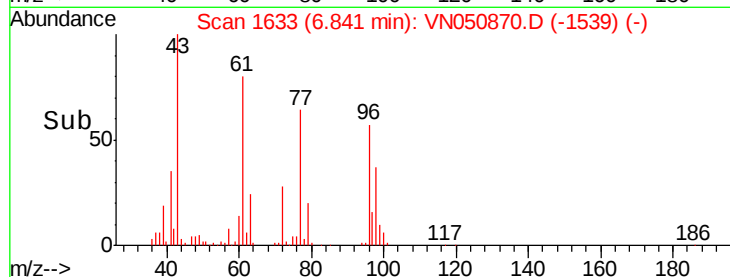
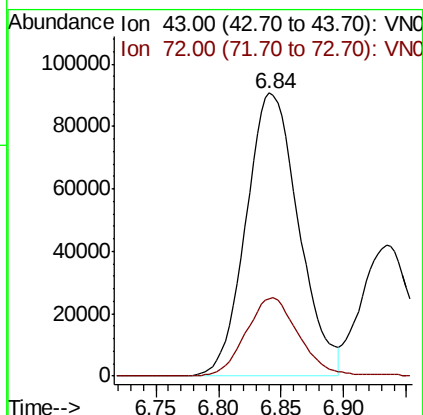
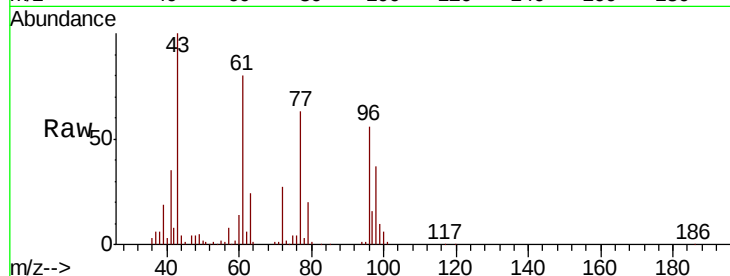




#25
2-Butanone
Concen: 88.61 ug/l
RT: 6.84 min Scan# 1633
Delta R.T. 0.00 min
Lab File: VN050870.D
Acq: 24 Aug 2018 12:25

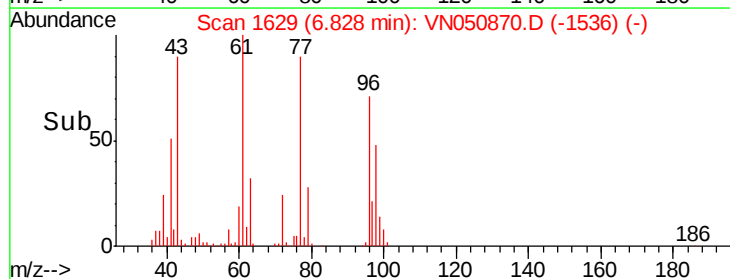
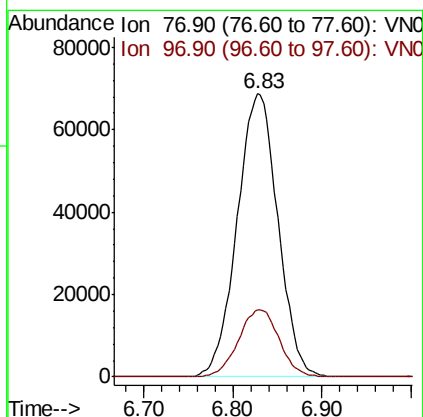
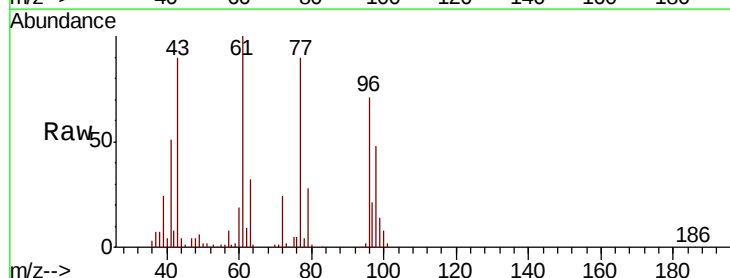
Instrument :
MSVOA_N
ClientSampled :
VN0824WBS02

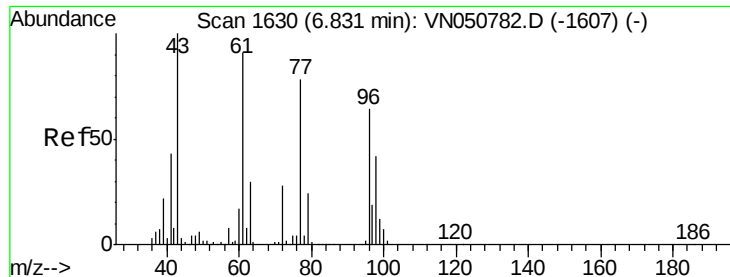
Tot Ion: 43 Resp: 263958
Ion Ratio Lower Upper
43 100
72 27.5 22.3 33.5



#26
2,2-Dichloropropane
Concen: 19.75 ug/l
RT: 6.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VN050870.D
Acq: 24 Aug 2018 12:25

Tgt Ion: 77 Resp: 218217
Ion Ratio Lower Upper
77 100
97 23.8 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 20.07 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN050870.D

Acq: 24 Aug 2018 12:25

Instrument :

MSVOA_N

ClientSampled :

VN0824WBS02

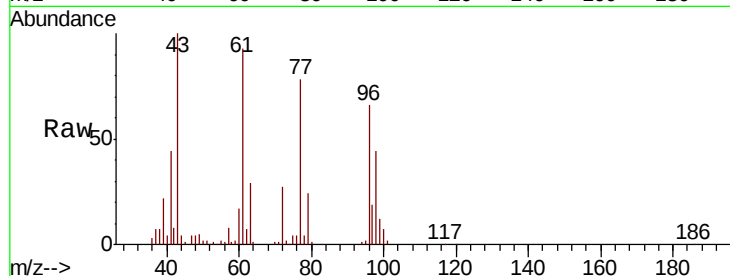
Tot Ion: 96 Resp: 161410

Ion Ratio Lower Upper

96 100

61 143.9 0.0 283.4

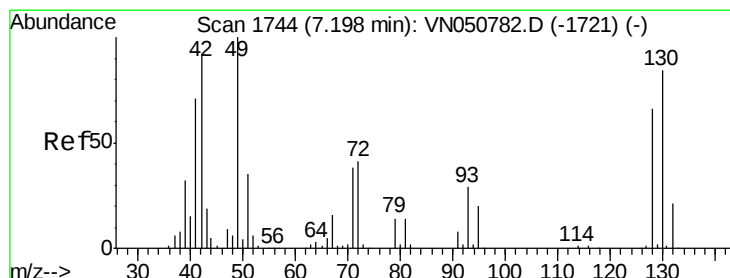
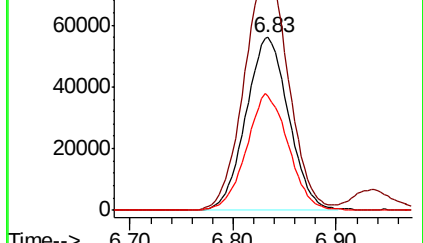
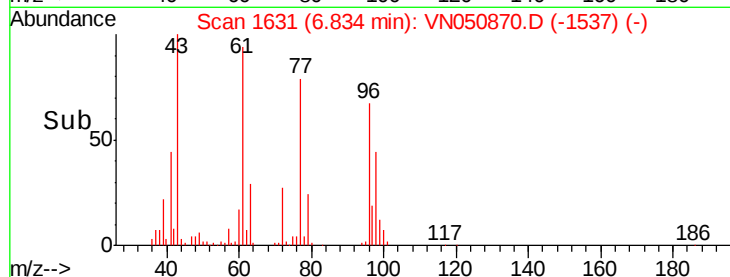
98 66.1 0.0 129.8



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 19.12 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. -0.00 min

Lab File: VN050870.D

Acq: 24 Aug 2018 12:25

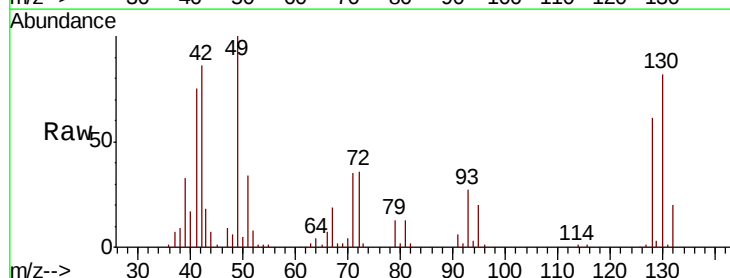
Tgt Ion: 49 Resp: 111695

Ion Ratio Lower Upper

49 100

129 2.4 0.0 4.2

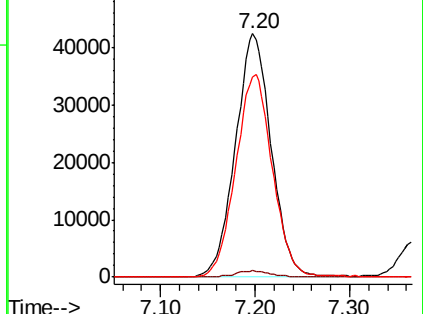
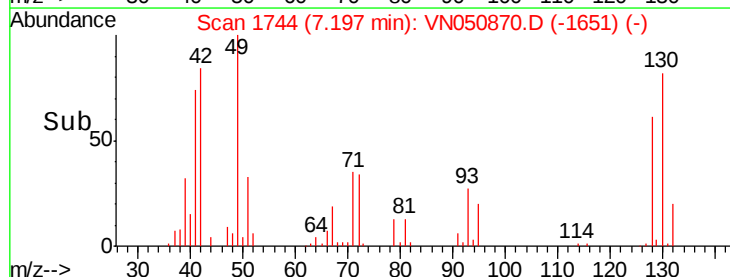
130 85.0 67.1 100.7

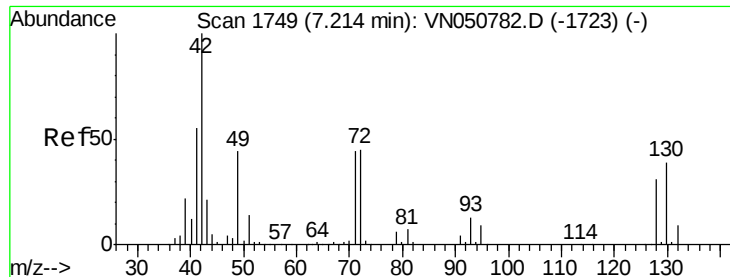


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 102.83 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VN050870.D

Acq: 24 Aug 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBS02

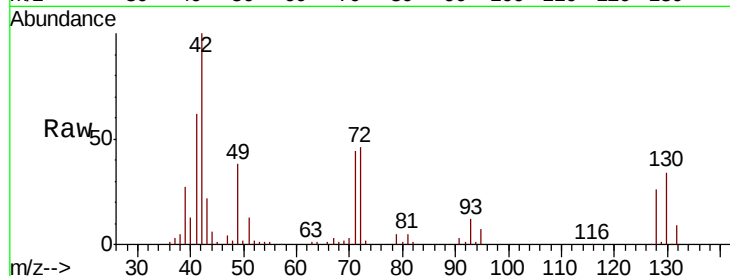
Tot Ion: 42 Resp: 175639

Ion Ratio Lower Upper

42 100

72 45.3 35.5 53.3

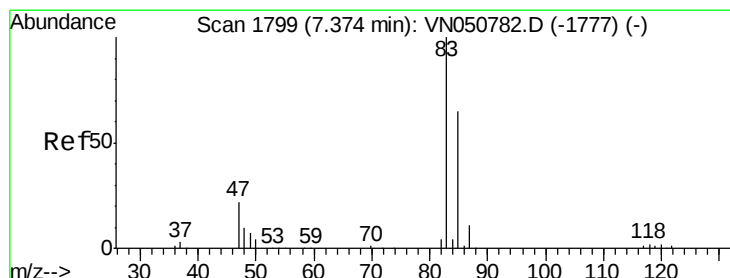
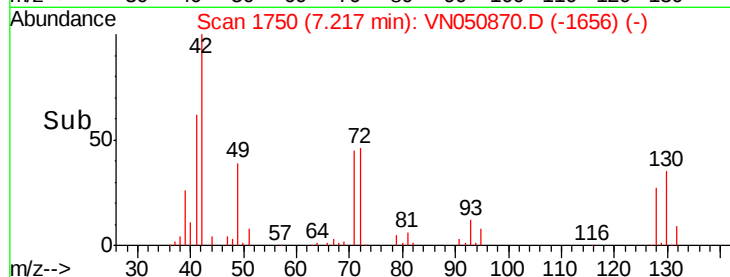
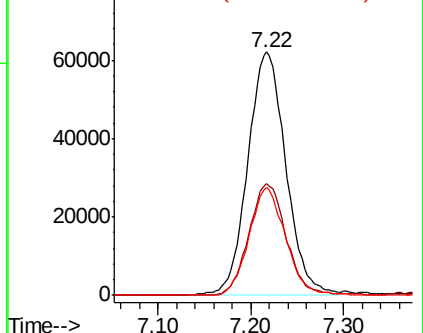
71 43.1 33.7 50.5



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 20.27 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. -0.00 min

Lab File: VN050870.D

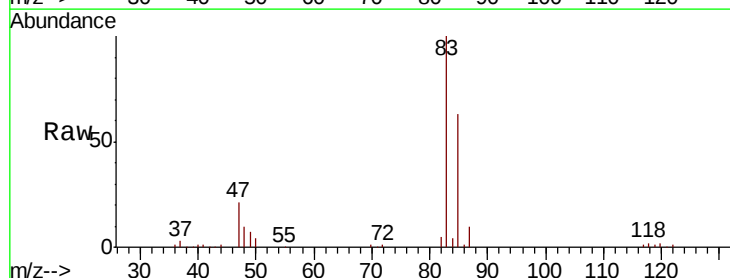
Acq: 24 Aug 2018 12:25

Tgt Ion: 83 Resp: 275948

Ion Ratio Lower Upper

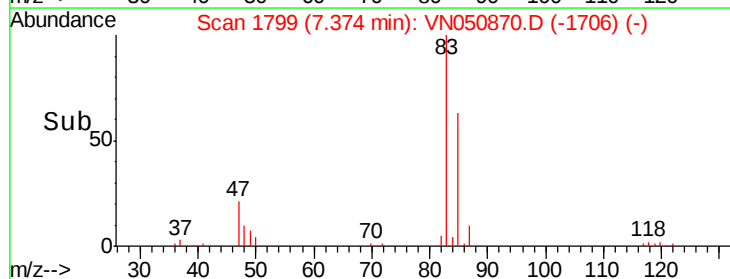
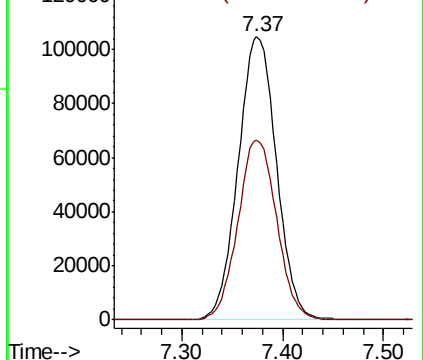
83 100

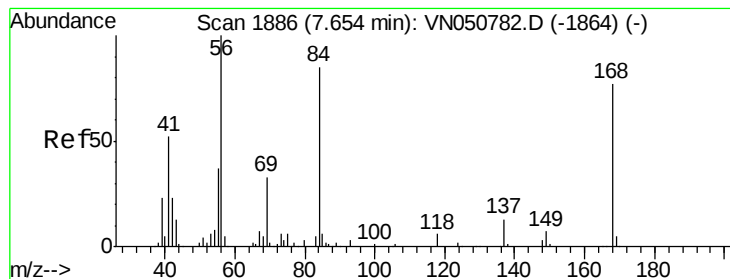
85 63.3 52.2 78.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 19.88 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050870.D

Acq: 24 Aug 2018 12:25

Instrument :

MSVOA_N

ClientSampled :

VN0824WBS02

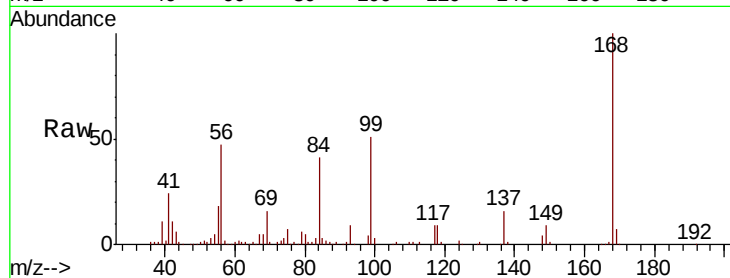
Tot Ion: 56 Resp: 244971

Ion Ratio Lower Upper

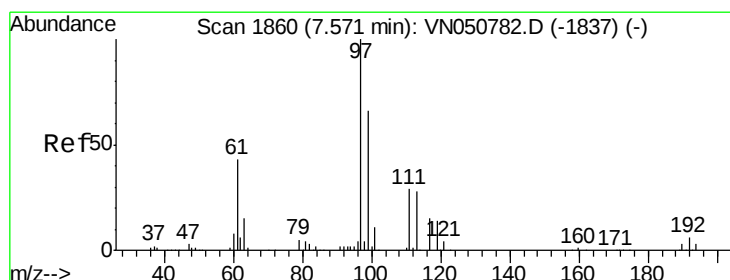
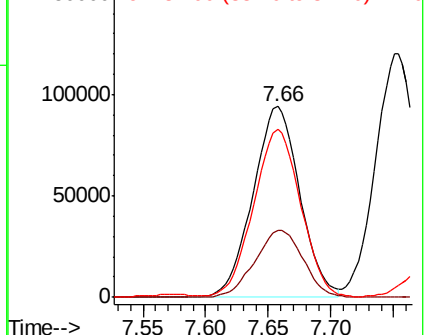
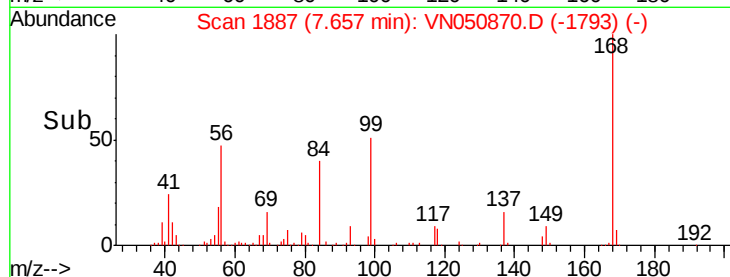
56 100

69 35.1 26.2 39.4

84 87.1 68.3 102.5



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: 20.11 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN050870.D

Acq: 24 Aug 2018 12:25

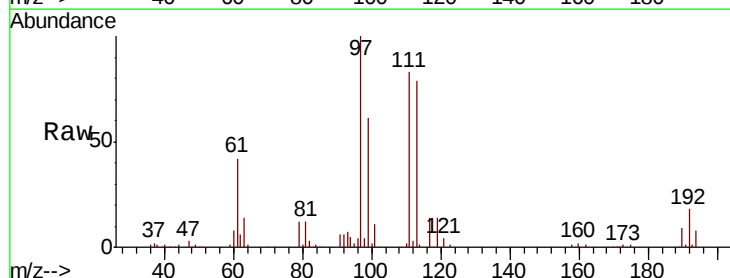
Tgt Ion: 97 Resp: 235211

Ion Ratio Lower Upper

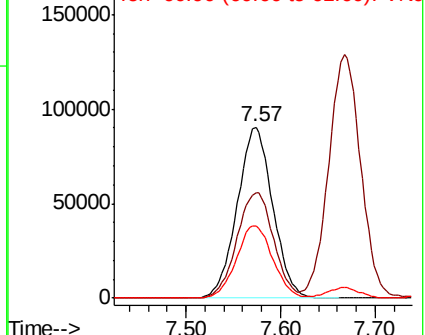
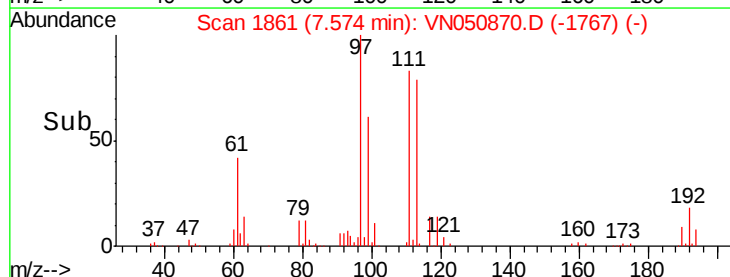
97 100

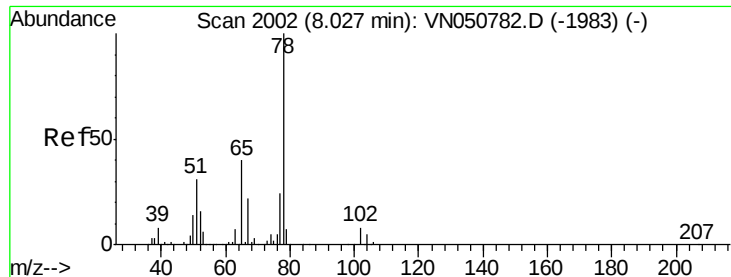
99 64.0 51.8 77.6

61 43.4 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

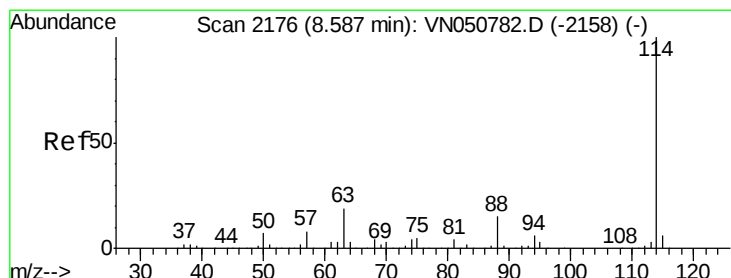
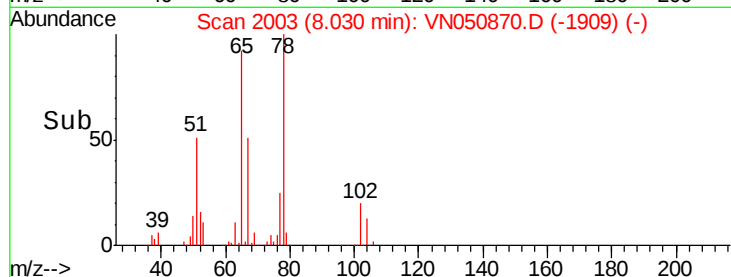
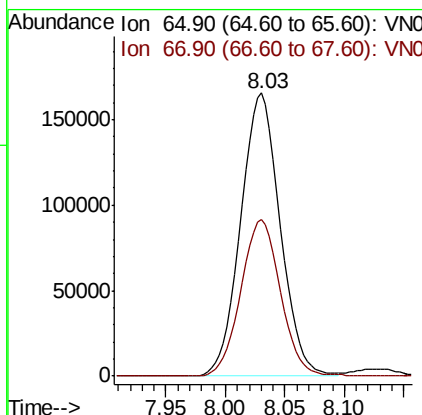
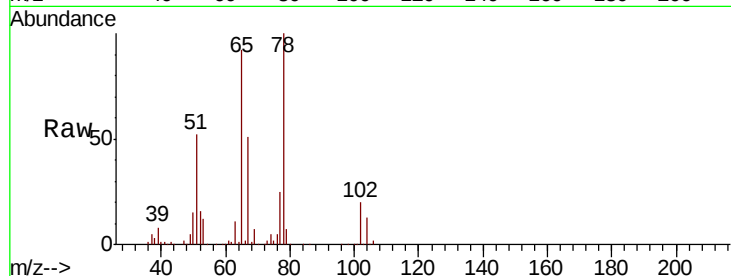




#33
 1,2-Dichloroethane-d4
 Concen: 51.42 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050870.D
 Acq: 24 Aug 2018 12:25

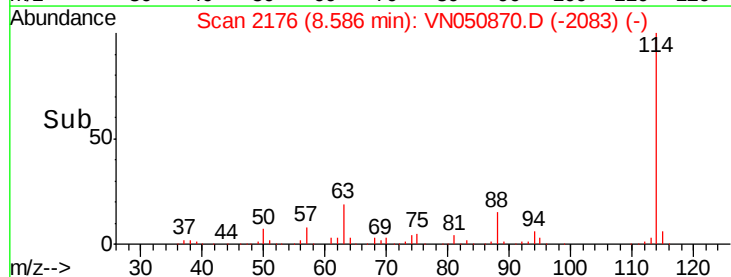
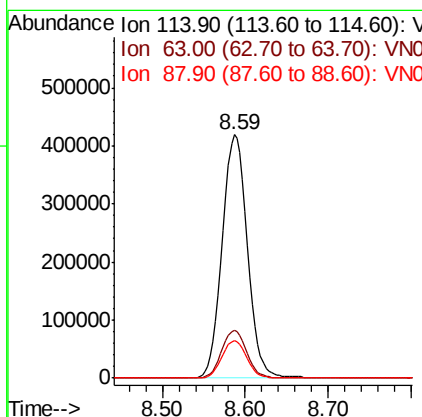
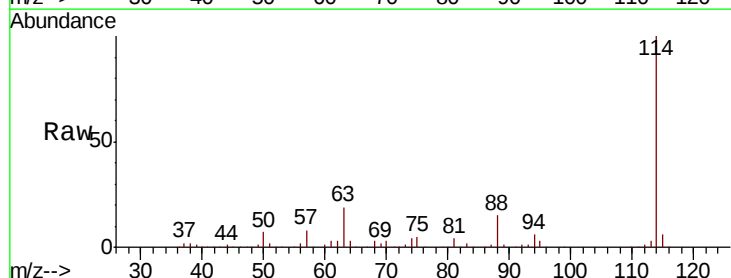
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBS02

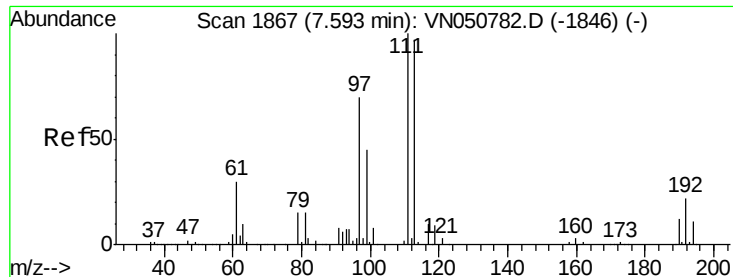
Tot Ion: 65 Resp: 380119
 Ion Ratio Lower Upper
 65 100
 67 55.6 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050870.D
 Acq: 24 Aug 2018 12:25

Tgt Ion: 114 Resp: 885977
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 38.6
 88 15.2 0.0 30.6

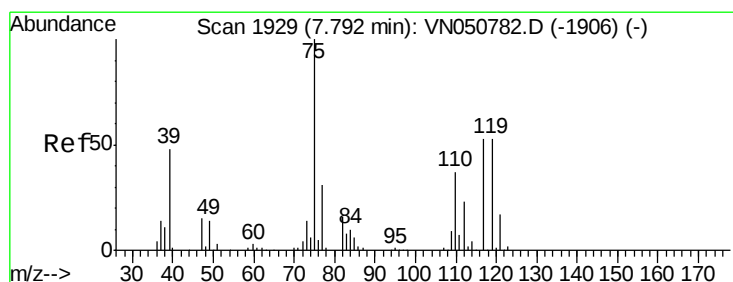
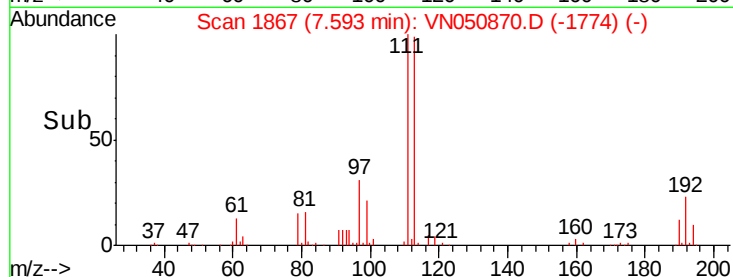
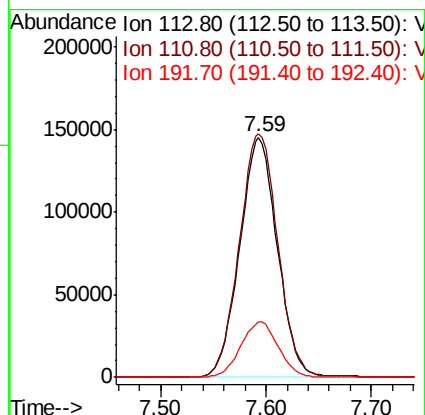
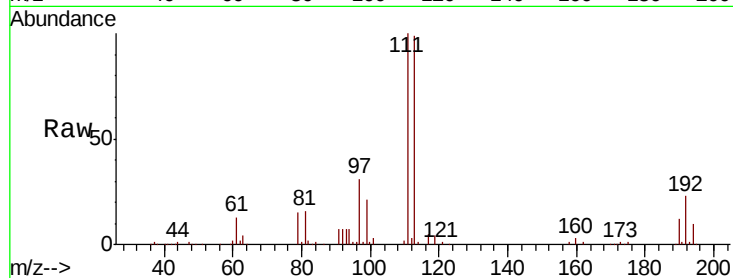




#35
 Dibromofluoromethane
 Concen: 51.11 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050870.D
 Acq: 24 Aug 2018 12:25

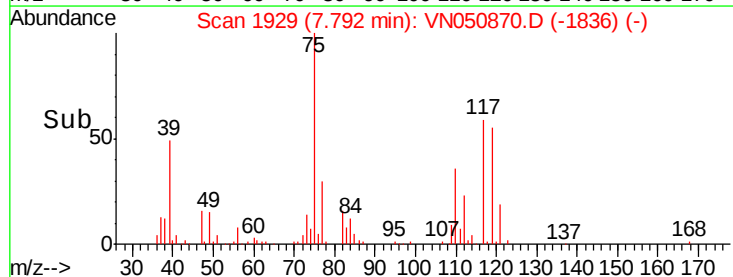
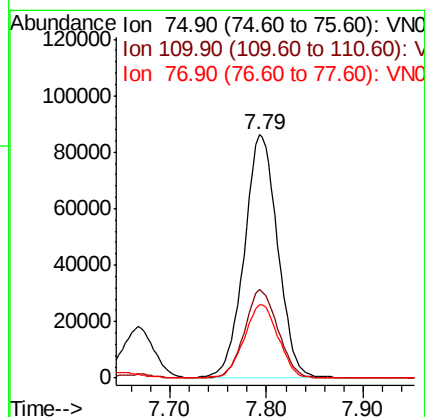
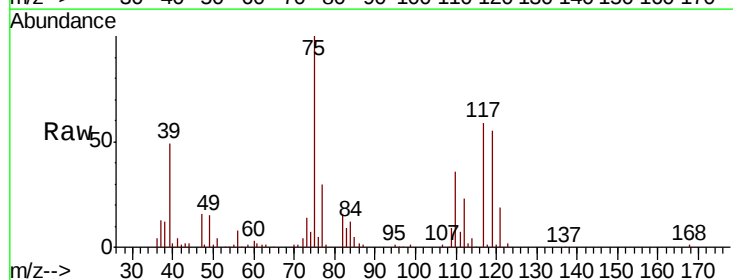
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBS02

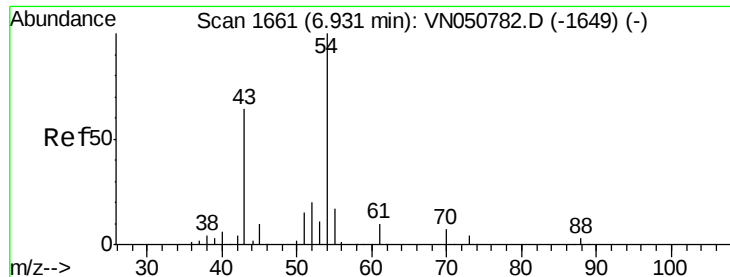
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.6	123.8
192	23.1	18.0	27.0



#36
 1,1-Dichloropropene
 Concen: 19.69 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050870.D
 Acq: 24 Aug 2018 12:25

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.4	18.1	54.4
77	31.1	24.8	37.2

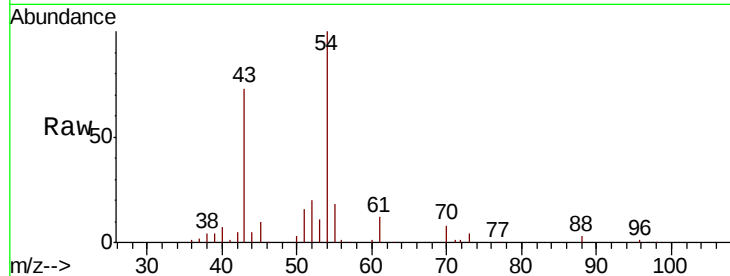




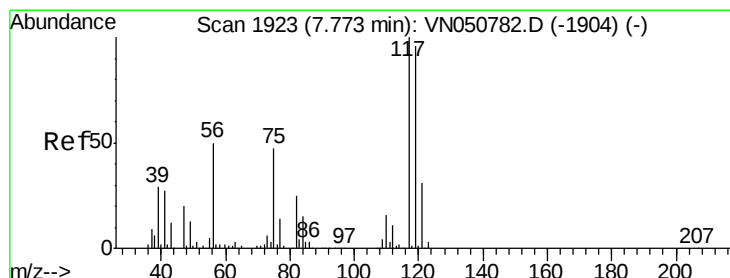
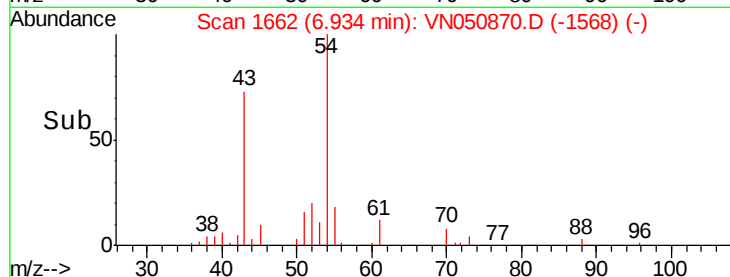
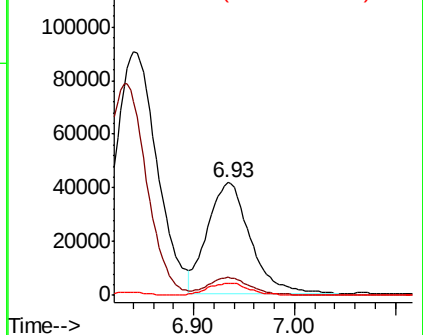
#37
Ethyl Acetate
Concen: 20.43 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN050870.D
Acq: 24 Aug 2018 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBS02

Tot Ion: 43 Resp: 122675
Ion Ratio Lower Upper
43 100
61 15.7 12.0 18.0
70 10.6 8.6 13.0

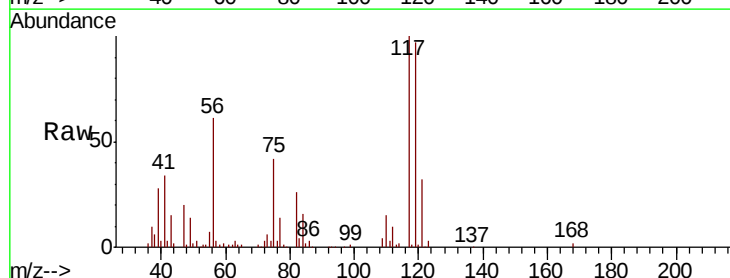


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

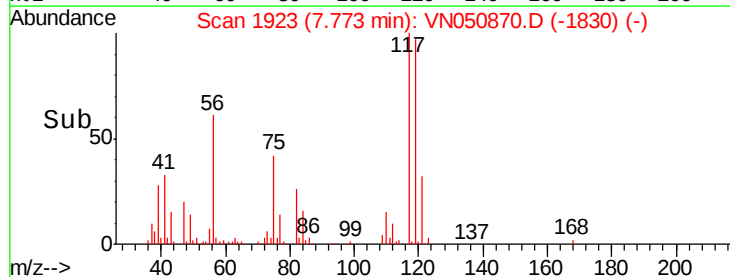
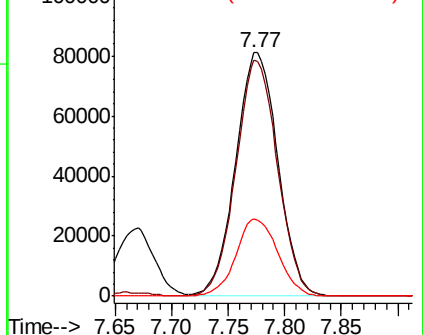


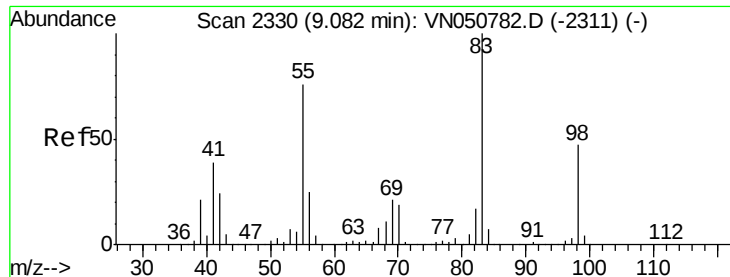
#38
Carbon Tetrachloride
Concen: 19.84 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050870.D
Acq: 24 Aug 2018 12:25

Tgt Ion: 117 Resp: 209722
Ion Ratio Lower Upper
117 100
119 97.0 76.3 114.5
121 31.9 24.6 36.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

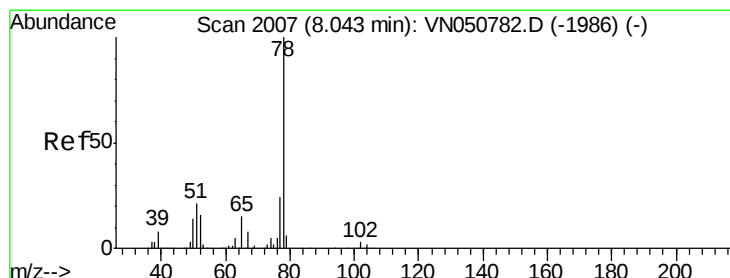
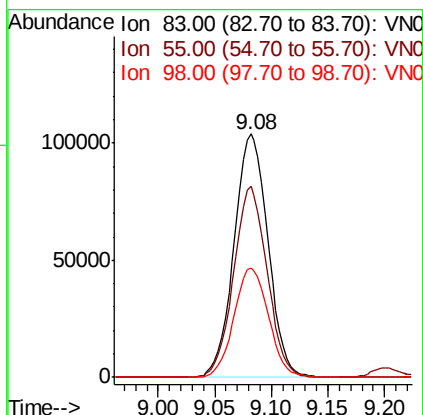
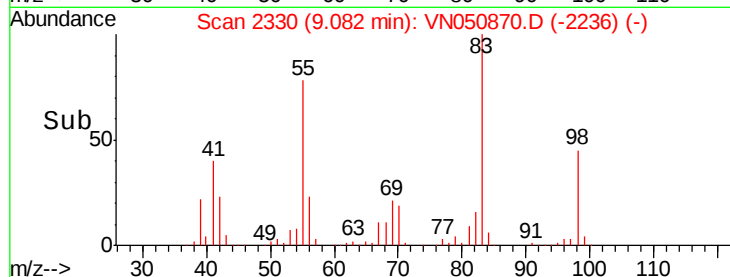
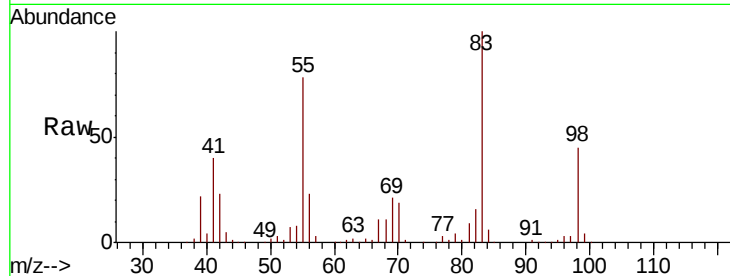




#39
Methvlcvclohexane
Concen: 19.18 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050870.D
Acq: 24 Aug 2018 12:25

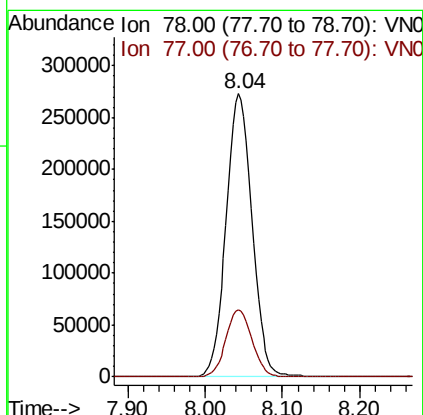
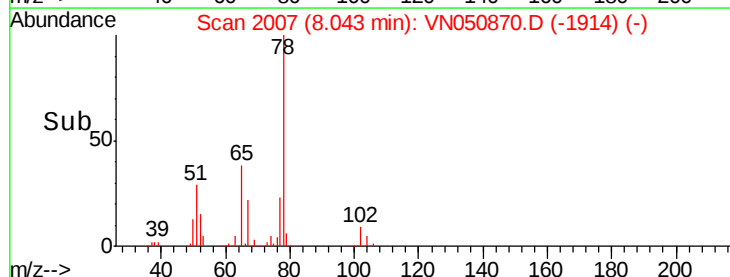
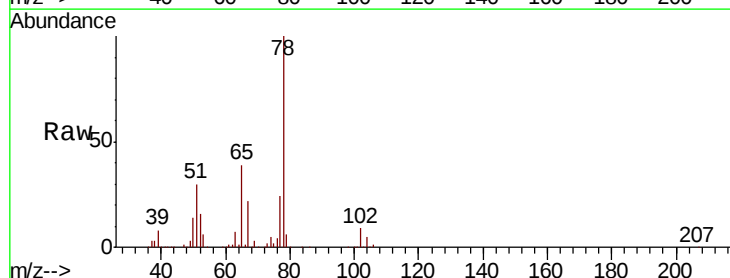
Instrument :
MSVOA_N
ClientSampled :
VN0824WBS02

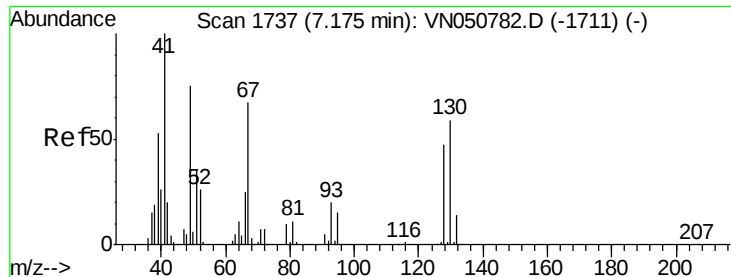
Tot Ion	Ratio	Lower	Upper
83	100		
55	78.3	61.0	91.4
98	45.1	37.5	56.3



#40
Benzene
Concen: 20.13 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050870.D
Acq: 24 Aug 2018 12:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.4

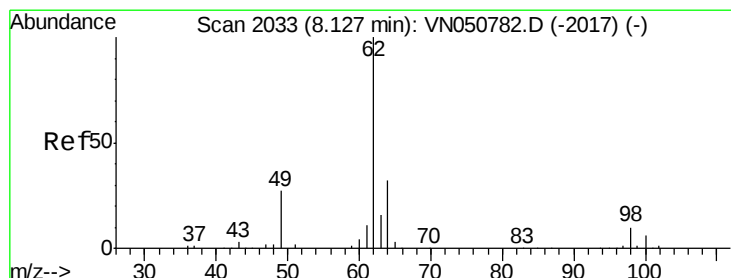
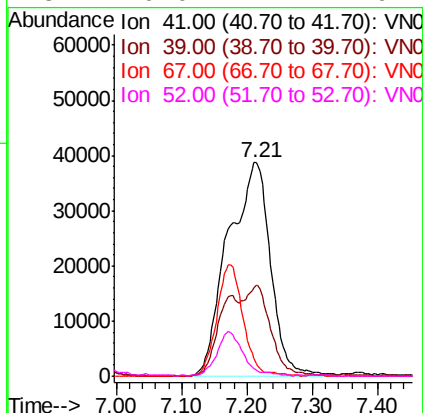
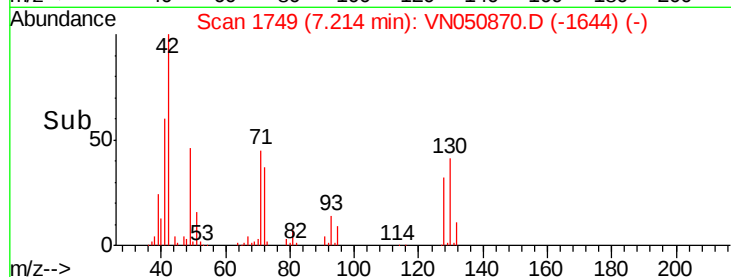
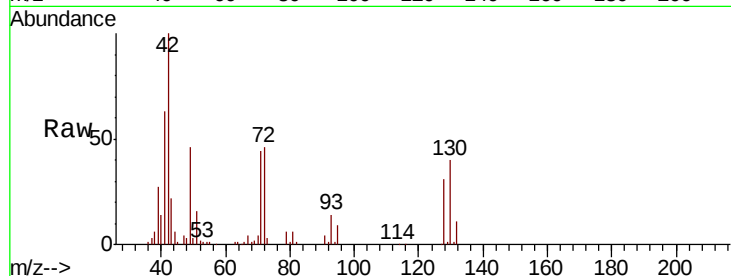




#41
Methacrylonitrile
Concen: 53.82 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. 0.04 min
Lab File: VN050870.D
Acq: 24 Aug 2018 12:25

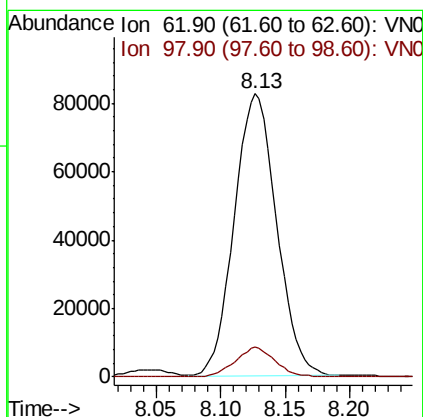
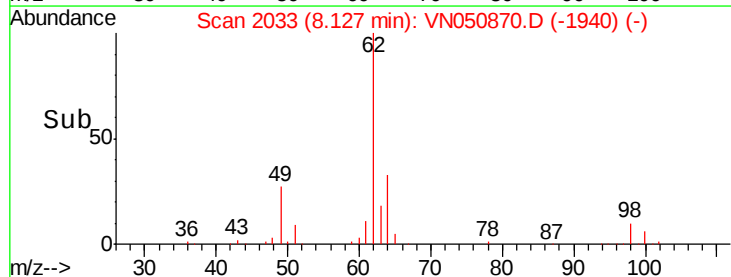
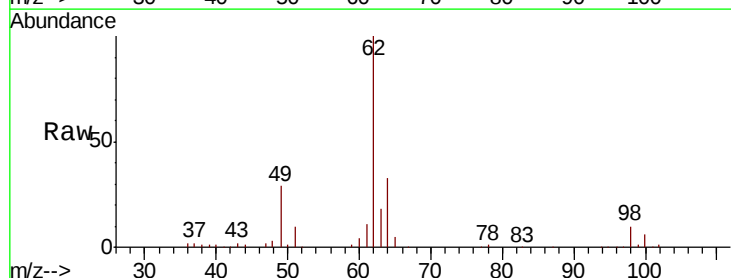
Instrument :
MSVOA_N
ClientSampleId :
VN0824WBS02

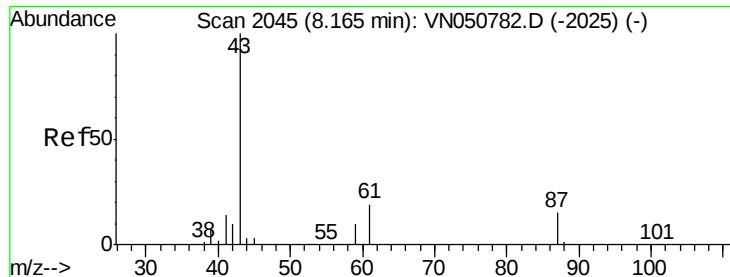
Tot Ion: 41 Resp: 174912
Ion Ratio Lower Upper
41 100
39 0.0 45.4 68.0#
67 0.0 70.6 106.0#
52 0.0 27.1 40.7#



#42
1,2-Dichloroethane
Concen: 19.98 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN050870.D
Acq: 24 Aug 2018 12:25

Tgt Ion: 62 Resp: 188282
Ion Ratio Lower Upper
62 100
98 9.9 0.0 19.6





#43

Isopropyl Acetate

Concen: 20.38 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. 0.00 min

Lab File: VN050870.D

Acq: 24 Aug 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBS02

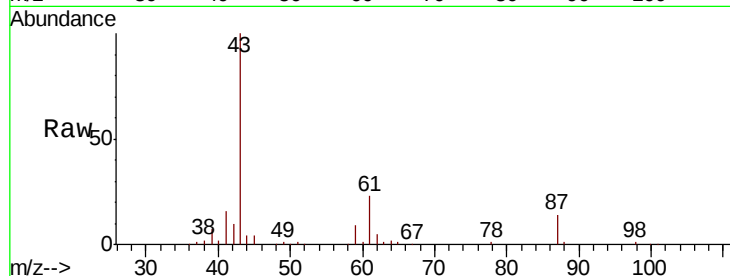
Tot Ion: 43 Resp: 210455

Ion Ratio Lower Upper

43 100

61 31.4 17.5 26.3#

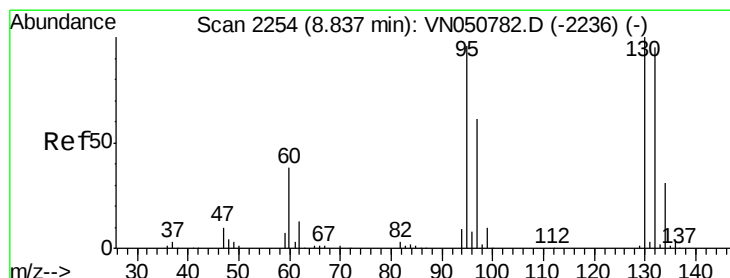
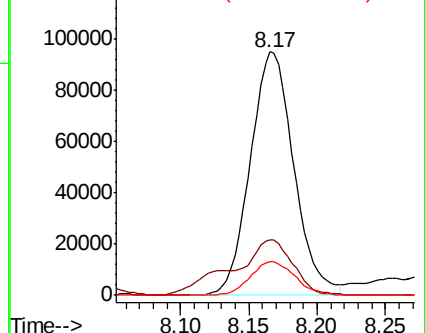
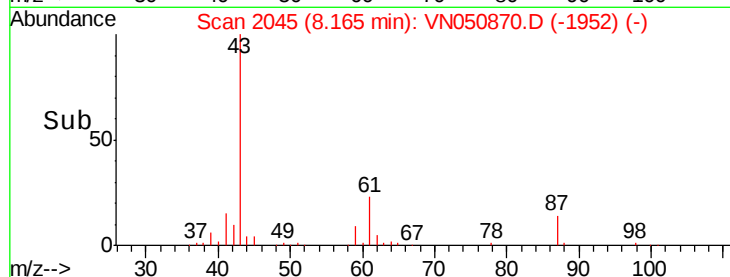
87 14.2 11.3 16.9



Abundance Ion 43.00 (42.70 to 43.70): VN050870.D (-1952) (-)

Ion 61.00 (60.70 to 61.70): VN050870.D (-1952) (-)

Ion 87.00 (86.70 to 87.70): VN050870.D (-1952) (-)



#44

Trichloroethene

Concen: 20.36 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. -0.00 min

Lab File: VN050870.D

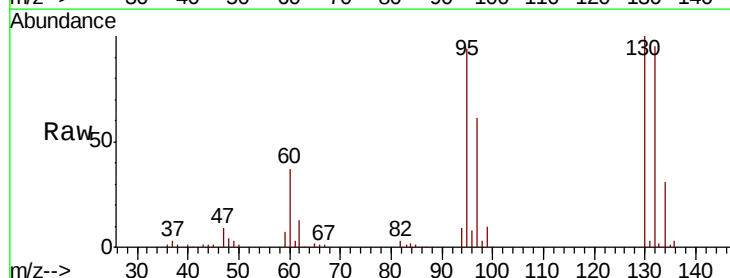
Acq: 24 Aug 2018 12:25

Tgt Ion:130 Resp: 169250

Ion Ratio Lower Upper

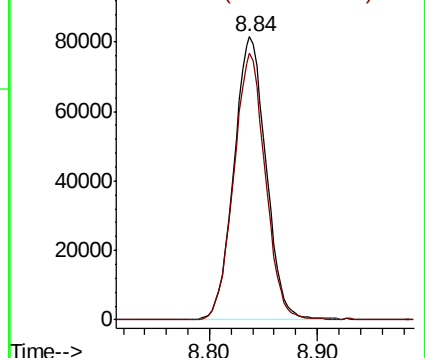
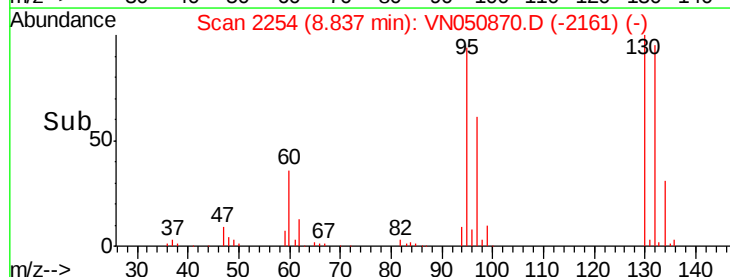
130 100

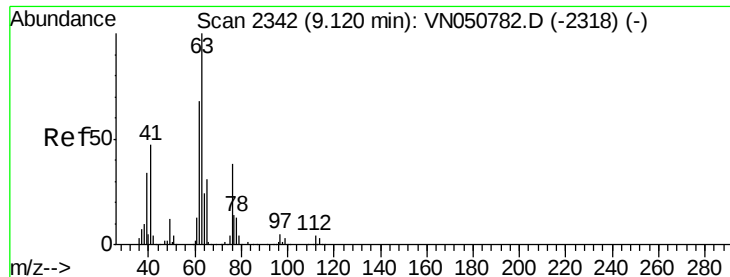
95 94.4 0.0 193.0



Abundance Ion 129.80 (129.50 to 130.50): VN050870.D (-2161) (-)

Ion 94.90 (94.60 to 95.60): VN050870.D (-2161) (-)

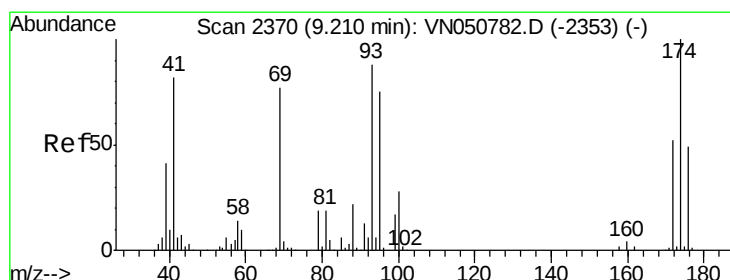
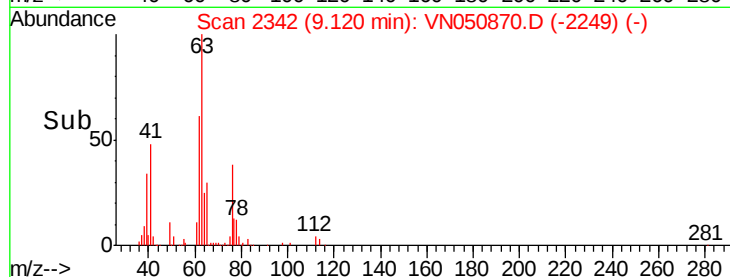
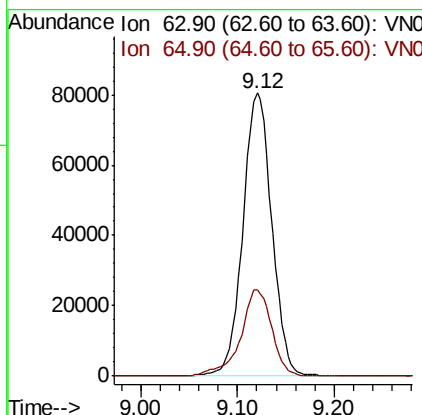
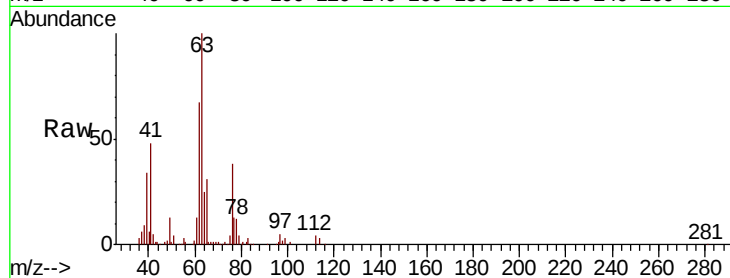




#45
 1,2-Dichloropropane
 Concen: 20.17 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN050870.D
 Acq: 24 Aug 2018 12:25

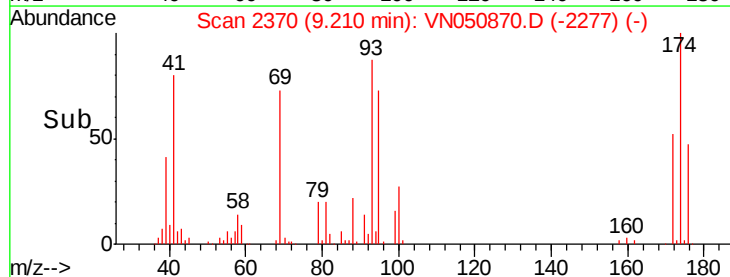
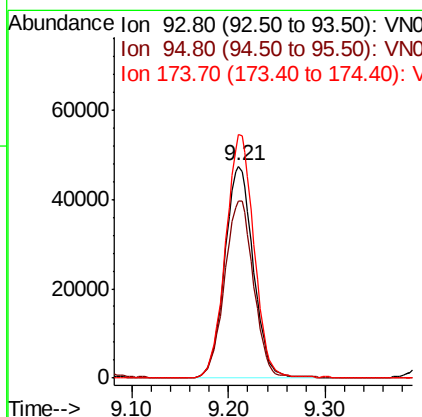
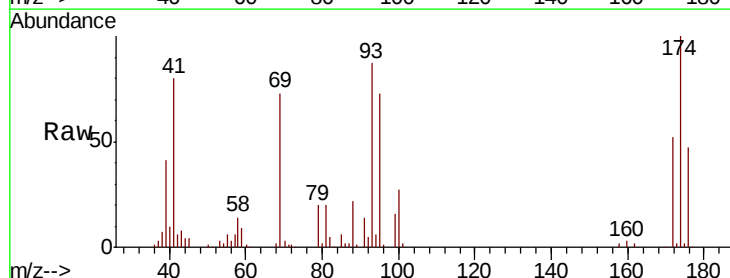
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBS02

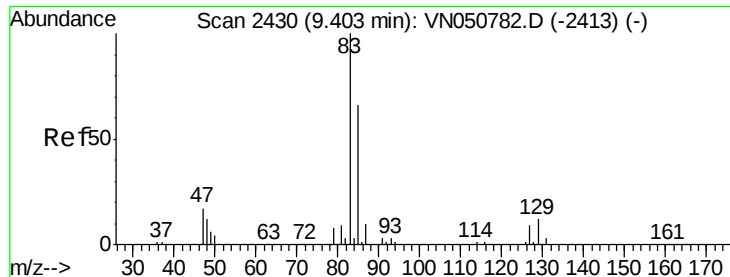
Tot Ion: 63 Resp: 167117
 Ion Ratio Lower Upper
 63 100
 65 30.7 25.0 37.6



#46
 Dibromomethane
 Concen: 20.04 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN050870.D
 Acq: 24 Aug 2018 12:25

Tgt Ion: 93 Resp: 97549
 Ion Ratio Lower Upper
 93 100
 95 85.1 66.7 100.1
 174 113.8 89.8 134.6





#47

Bromodichloromethane

Concen: 20.08 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN050870.D

Acq: 24 Aug 2018 12:25

Instrument :

MSVOA_N

ClientSampled :

VN0824WBS02

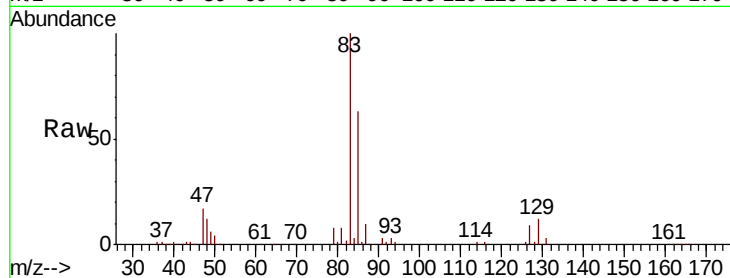
Tot Ion: 83 Resp: 204711

Ion Ratio Lower Upper

83 100

85 62.5 52.6 78.8

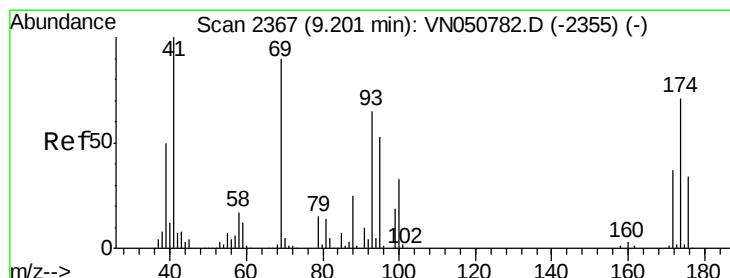
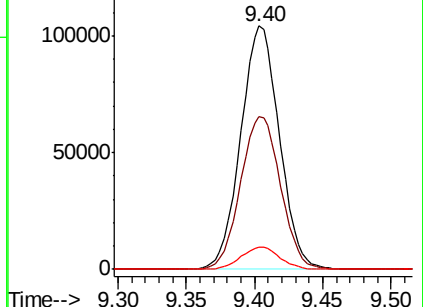
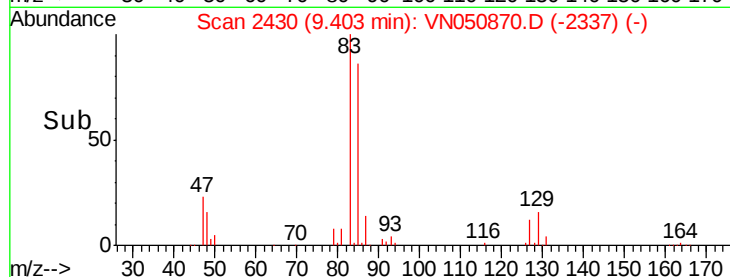
127 8.9 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 20.04 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN050870.D

Acq: 24 Aug 2018 12:25

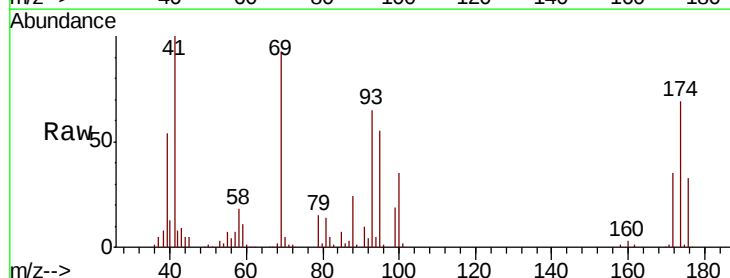
Tgt Ion: 41 Resp: 105464

Ion Ratio Lower Upper

41 100

69 93.2 74.7 112.1

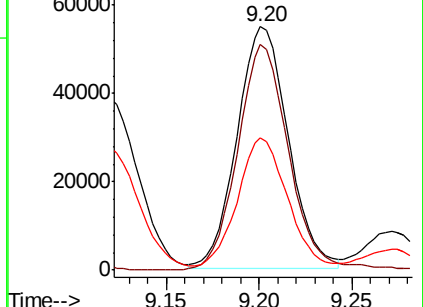
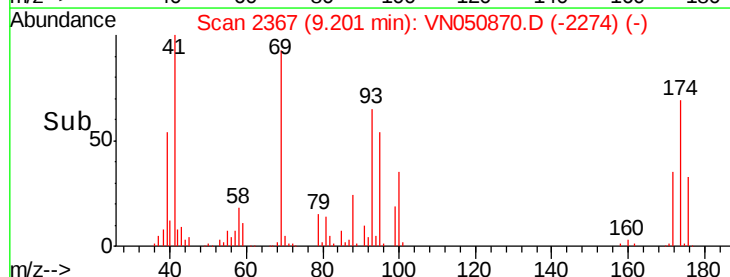
39 53.4 42.2 63.2

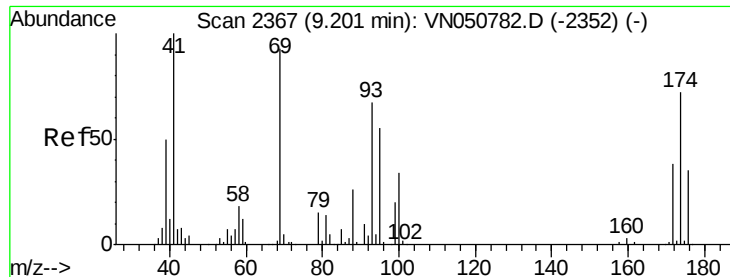


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 405.12 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN050870.D

Acq: 24 Aug 2018 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBS02

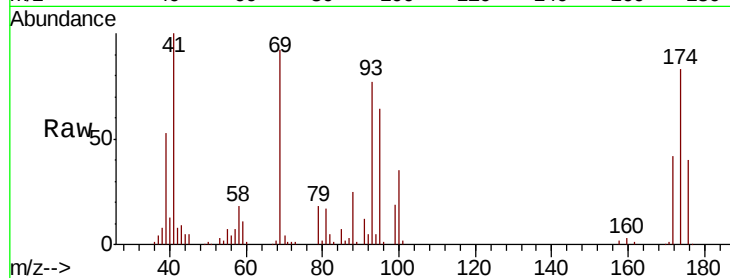
Tot Ion: 88 Resp: 29063

Ion Ratio Lower Upper

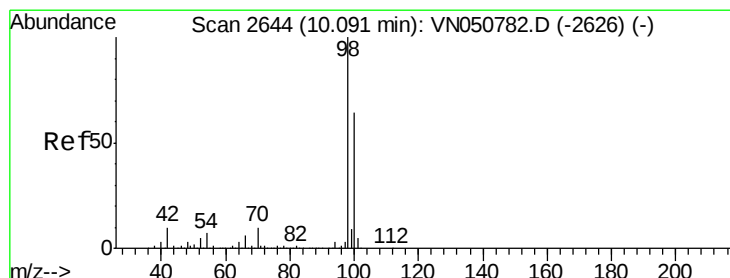
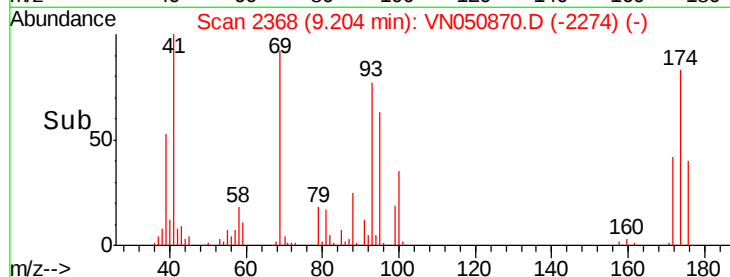
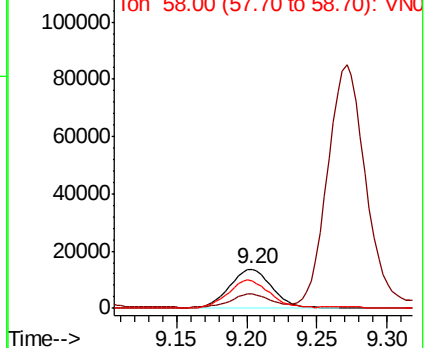
88 100

43 32.1 25.9 38.9

58 71.1 55.0 82.4



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: 51.57 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050870.D

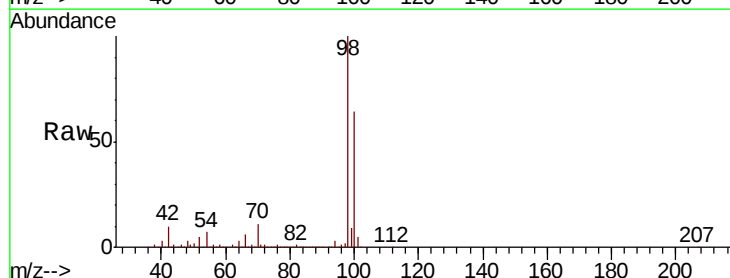
Acq: 24 Aug 2018 12:25

Tgt Ion: 98 Resp: 1359031

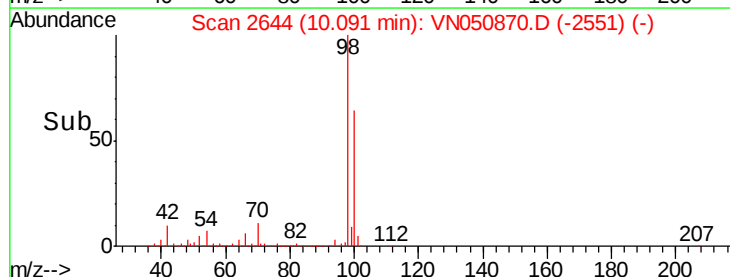
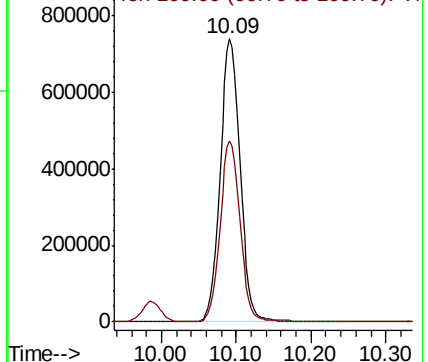
Ion Ratio Lower Upper

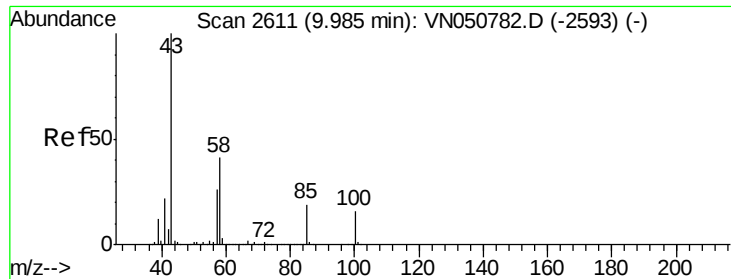
98 100

100 64.2 51.5 77.3



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

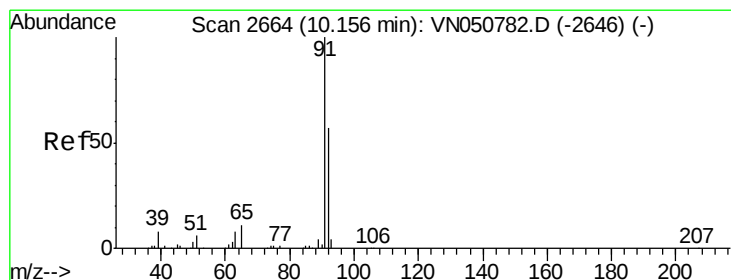
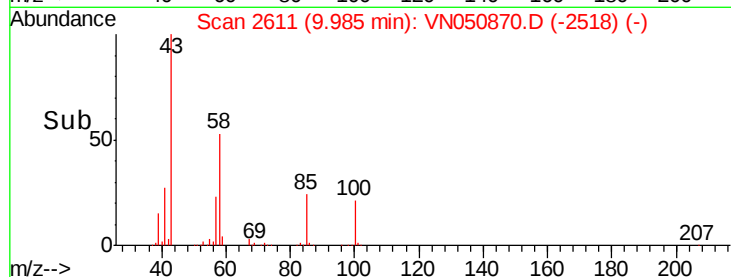
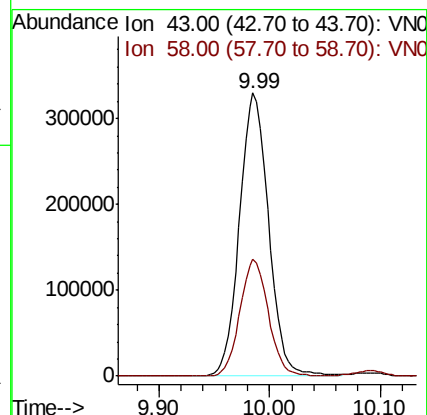
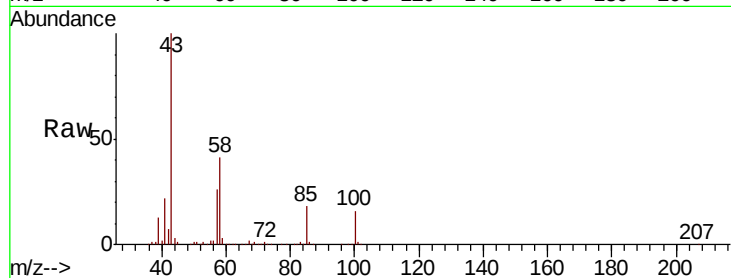




#51
 4-Methyl-2-Pentanone
 Concen: 97.74 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. -0.00 min
 Lab File: VN050870.D
 Acq: 24 Aug 2018 12:25

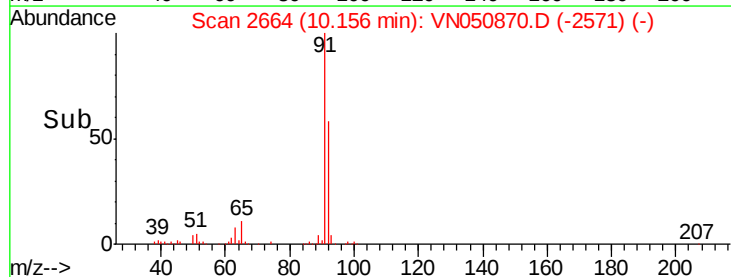
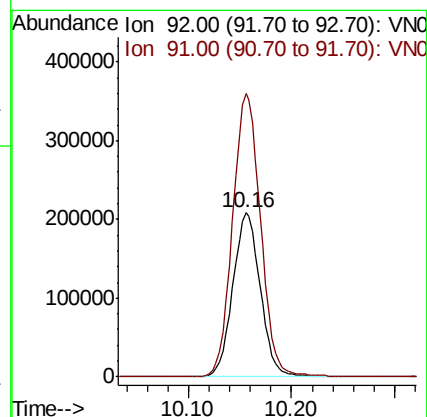
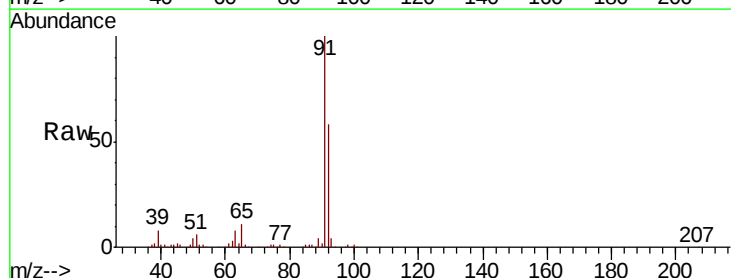
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBS02

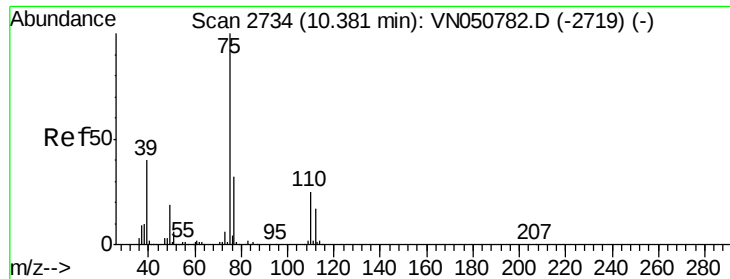
Tot Ion: 43 Resp: 602288
 Ion Ratio Lower Upper
 43 100
 58 40.2 32.4 48.6



#52
 Toluene
 Concen: 20.76 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. -0.00 min
 Lab File: VN050870.D
 Acq: 24 Aug 2018 12:25

Tgt Ion: 92 Resp: 387711
 Ion Ratio Lower Upper
 92 100
 91 175.5 140.6 211.0





#53

t-1,3-Dichloropropene

Concen: 19.33 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050870.D

Acq: 24 Aug 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

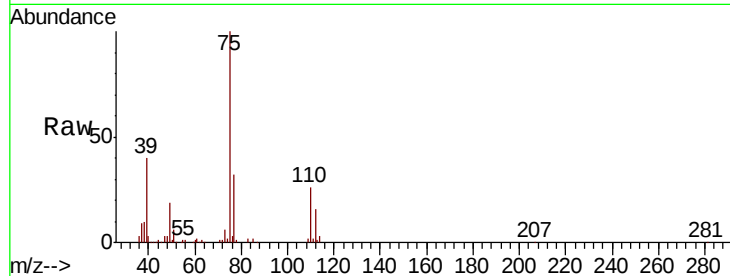
VN0824WBS02

Tot Ion: 75 Resp: 196148

Ion Ratio Lower Upper

75 100

77 31.7 25.7 38.5



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

120000

100000

80000

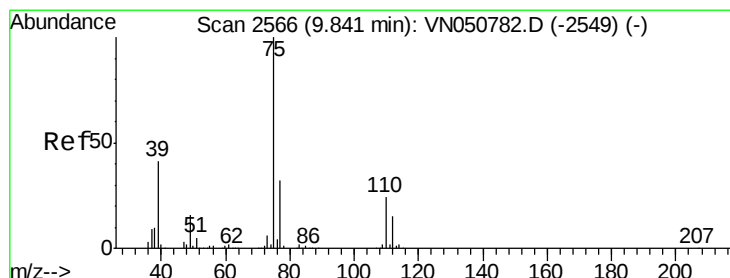
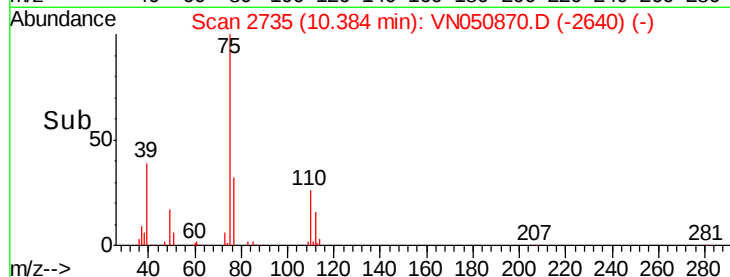
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.20 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN050870.D

Acq: 24 Aug 2018 12:25

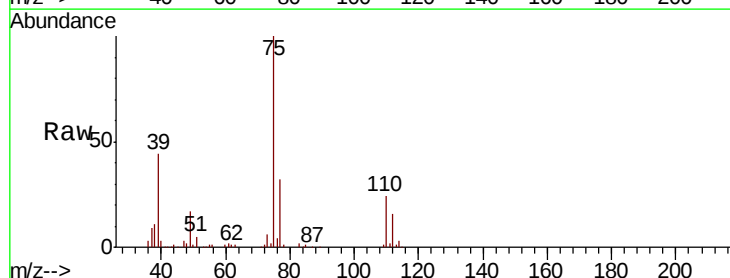
Tgt Ion: 75 Resp: 234732

Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.2

39 44.0 33.0 49.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

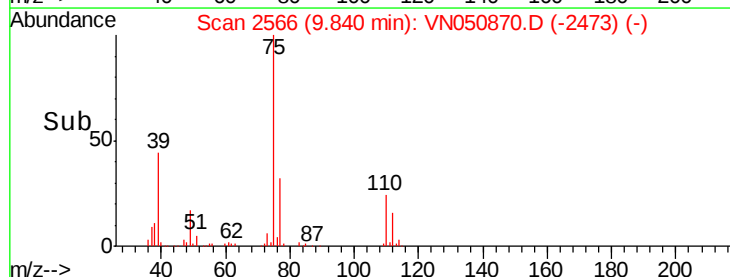
150000

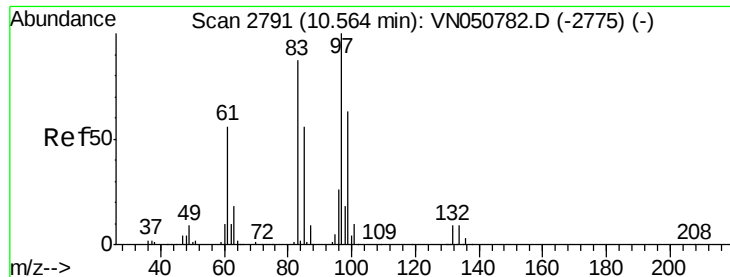
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 20.13 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. -0.00 min

Lab File: VN050870.D

Acq: 24 Aug 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBS02

Tot Ion: 97 Resp: 139566

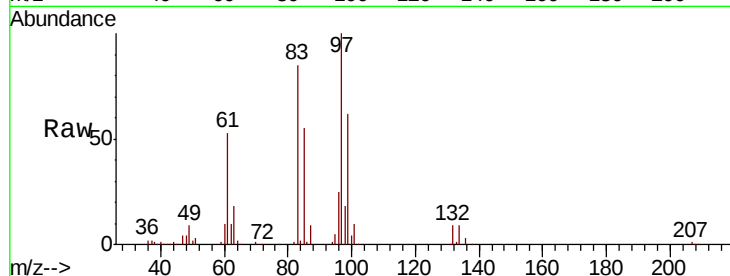
Ion Ratio Lower Upper

97 100

83 85.1 69.7 104.5

85 55.2 44.5 66.7

99 62.0 50.7 76.1

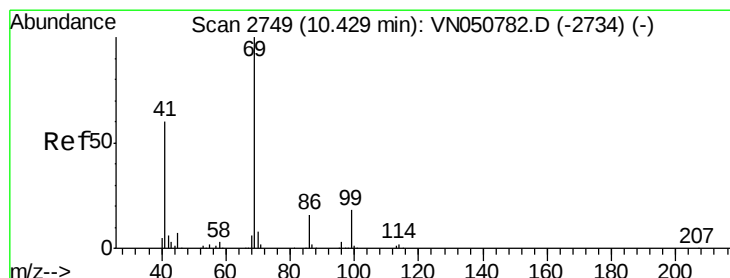
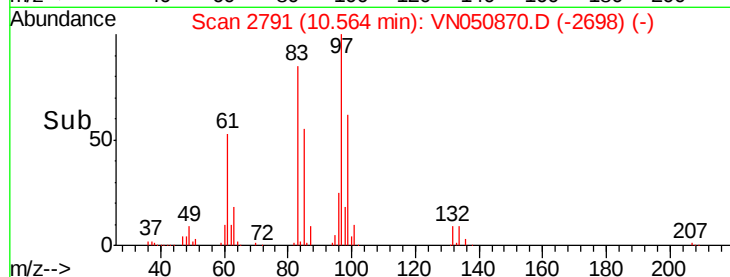
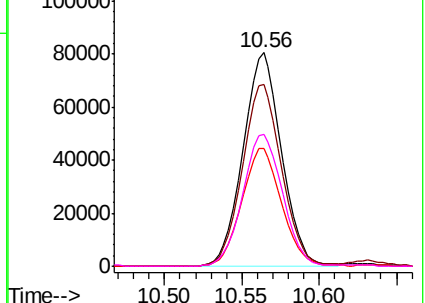


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 19.09 ug/l

RT: 10.43 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VN050870.D

Acq: 24 Aug 2018 12:25

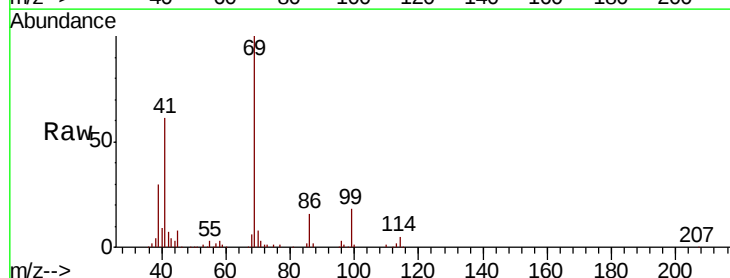
Tgt Ion: 69 Resp: 158375

Ion Ratio Lower Upper

69 100

41 60.7 48.3 72.5

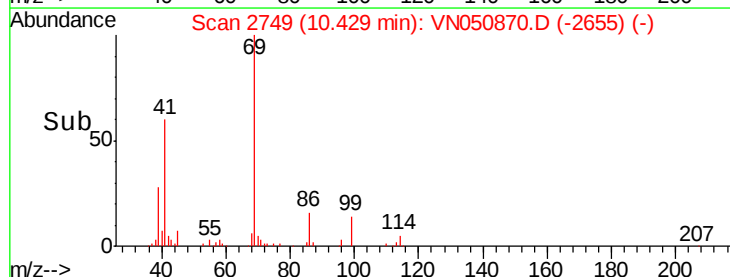
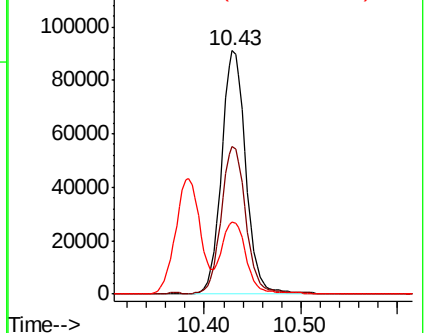
39 30.1 24.0 36.0

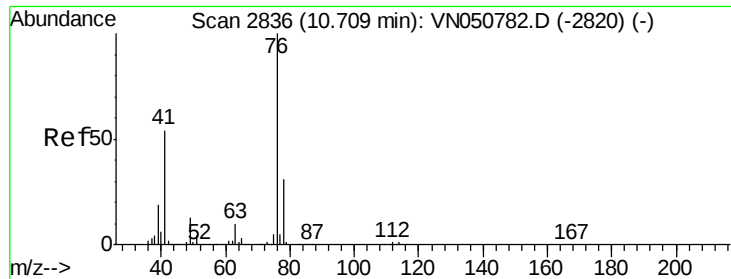


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 20.33 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN050870.D

Acq: 24 Aug 2018 12:25

Instrument :

MSVOA_N

ClientSampled :

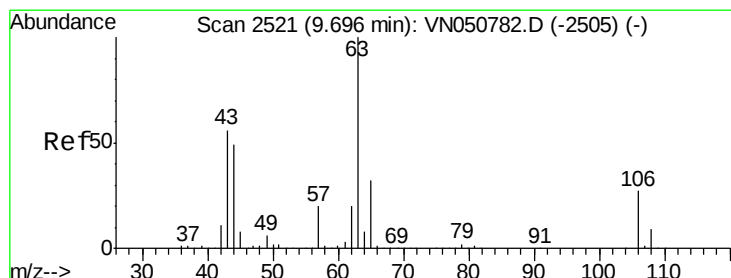
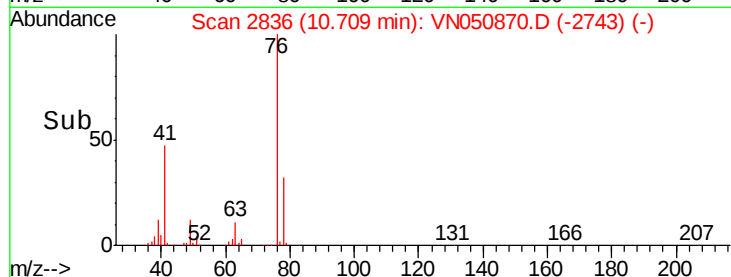
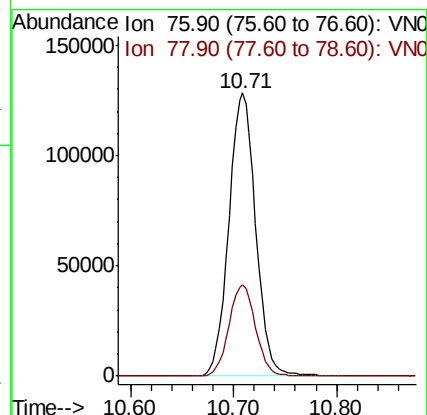
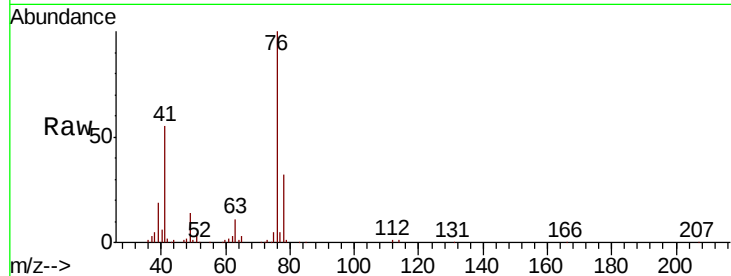
VN0824WBS02

Tot Ion: 76 Resp: 232573

Ion Ratio Lower Upper

76 100

78 32.3 25.5 38.3



#58

2-Chloroethyl Vinyl ether

Concen: 93.90 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN050870.D

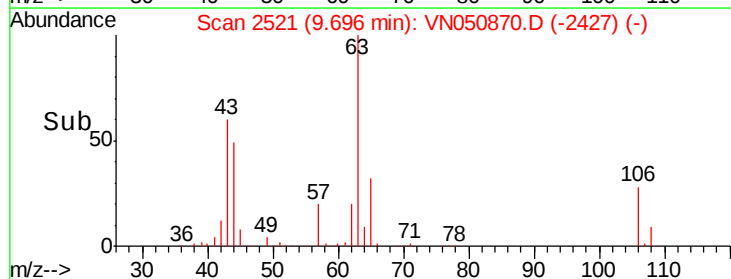
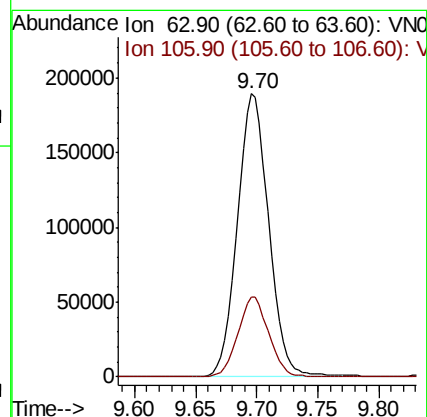
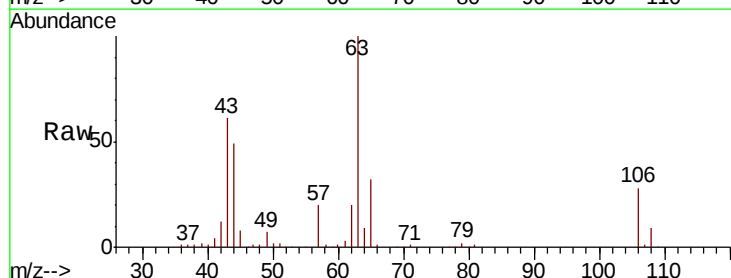
Acq: 24 Aug 2018 12:25

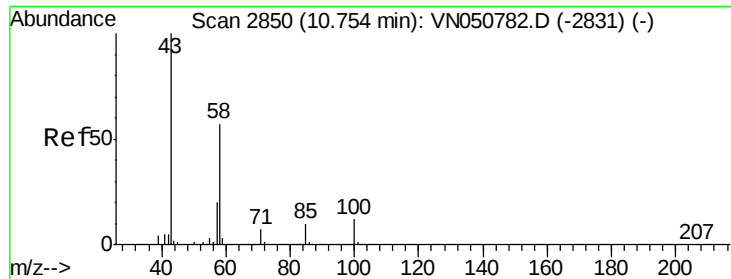
Tgt Ion: 63 Resp: 337894

Ion Ratio Lower Upper

63 100

106 27.8 21.9 32.9

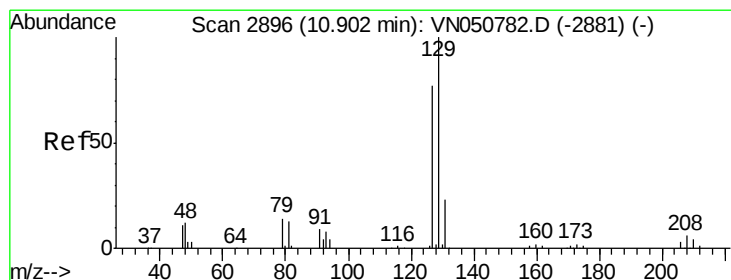
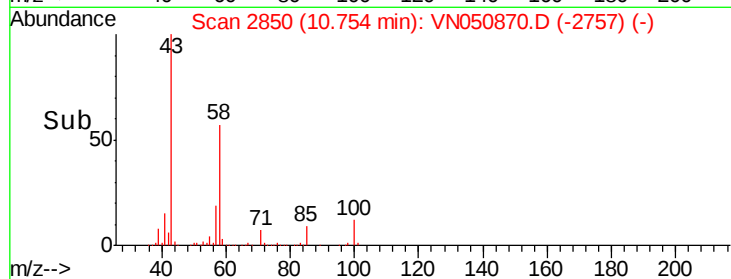
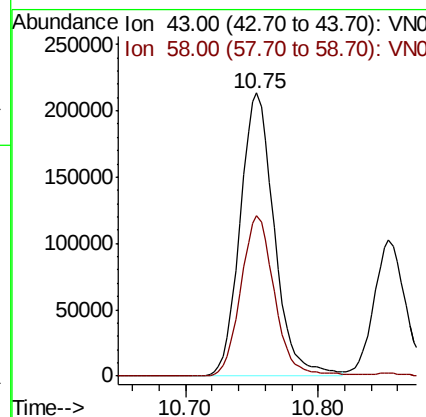
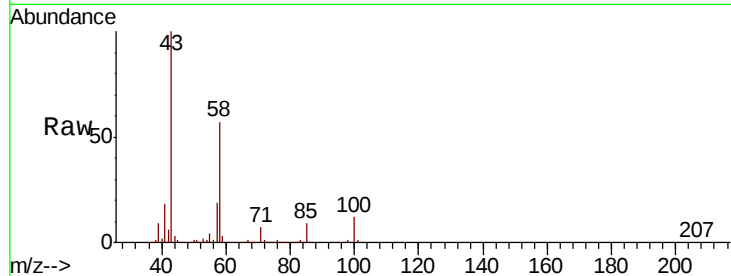




#59
2-Hexanone
Concen: 92.71 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050870.D
Acq: 24 Aug 2018 12:25

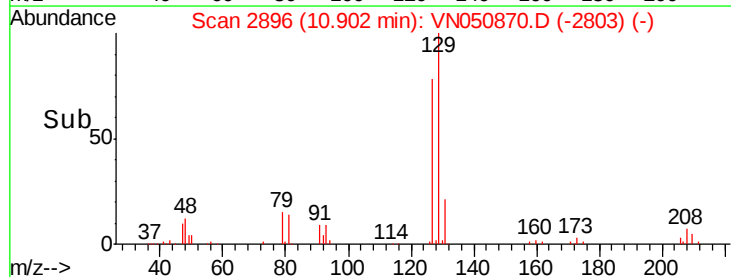
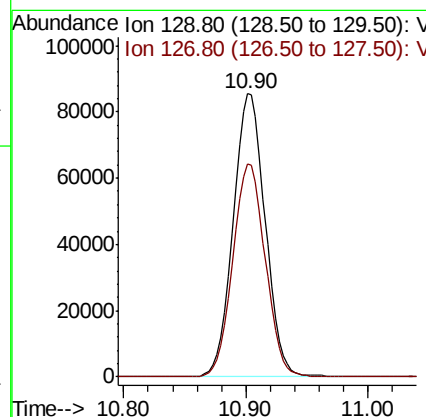
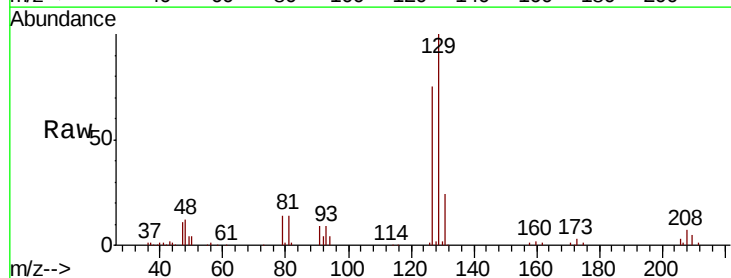
Instrument :
MSVOA_N
ClientSampleId :
VN0824WBS02

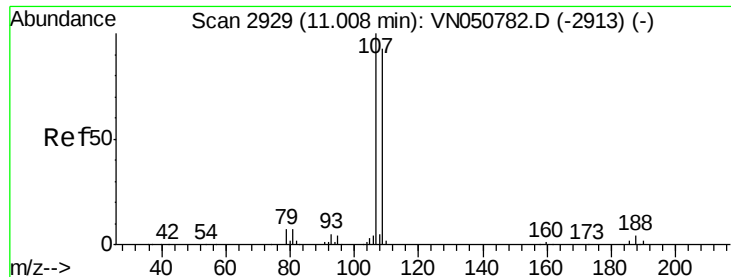
Tot Ion: 43 Resp: 380303
Ion Ratio Lower Upper
43 100
58 56.2 28.3 85.0



#60
Dibromochloromethane
Concen: 20.10 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN050870.D
Acq: 24 Aug 2018 12:25

Tgt Ion: 129 Resp: 155977
Ion Ratio Lower Upper
129 100
127 76.5 38.3 114.9

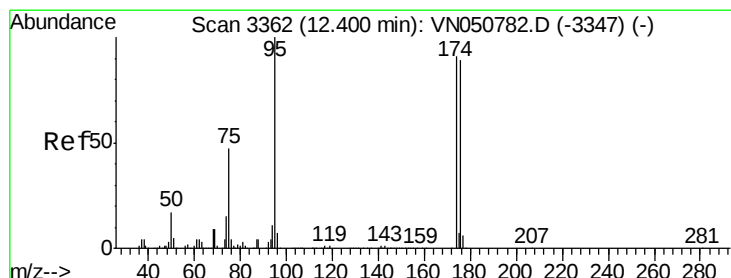
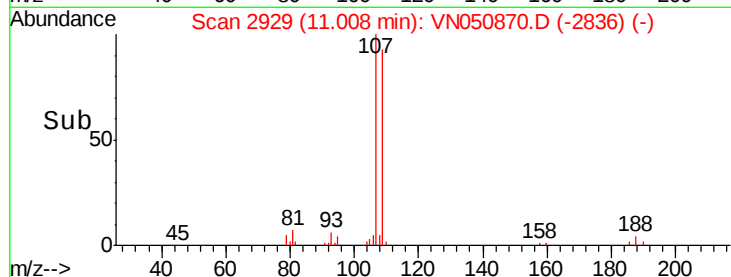
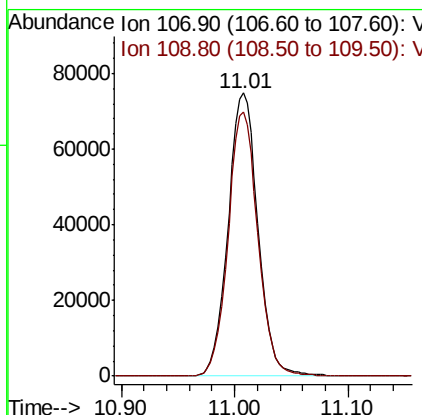
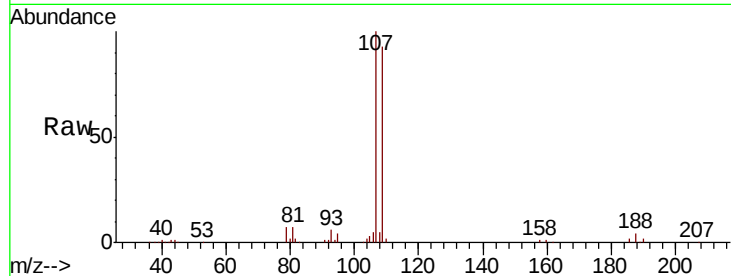




#61
 1,2-Dibromoethane
 Concen: 20.45 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN050870.D
 Acq: 24 Aug 2018 12:25

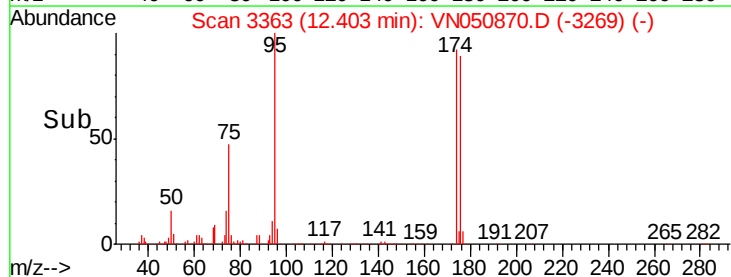
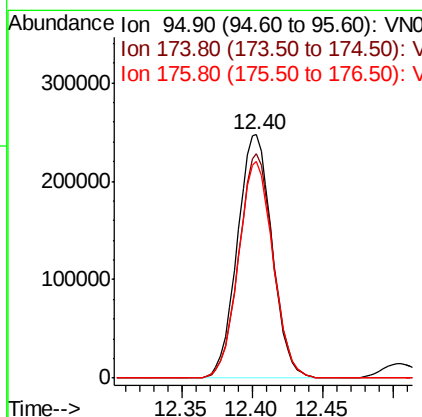
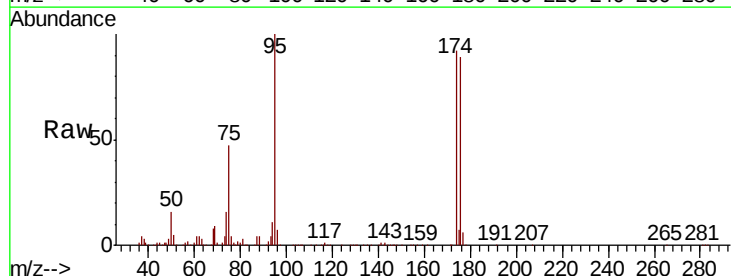
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBS02

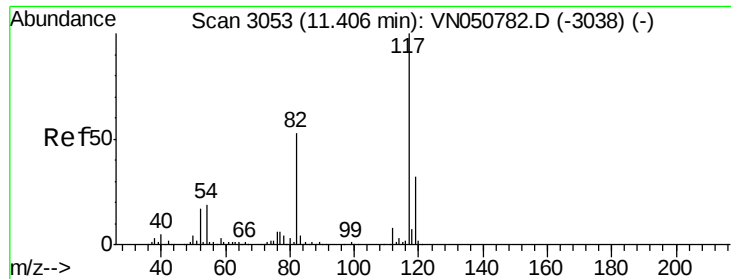
Tot Ion:107 Resp: 137089
 Ion Ratio Lower Upper
 107 100
 109 93.0 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 48.70 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050870.D
 Acq: 24 Aug 2018 12:25

Tgt Ion: 95 Resp: 426453
 Ion Ratio Lower Upper
 95 100
 174 91.2 0.0 183.0
 176 88.6 0.0 178.8

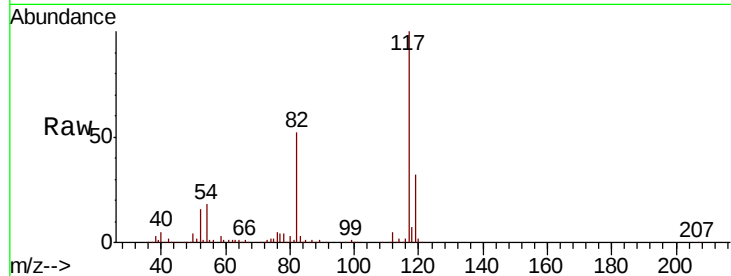




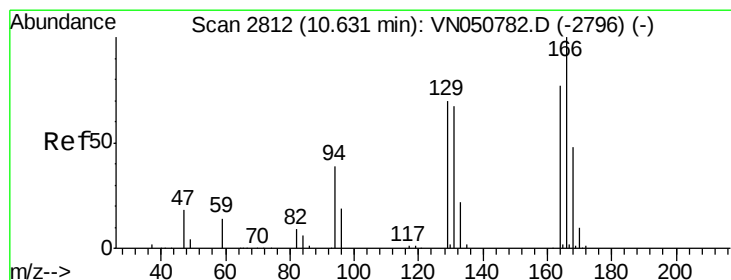
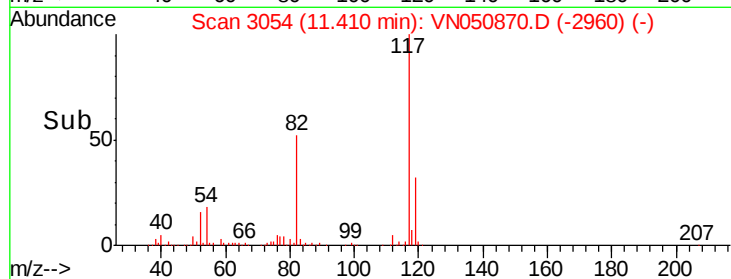
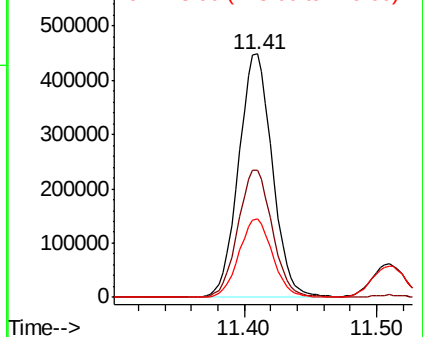
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050870.D
Acq: 24 Aug 2018 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBS02

Tot Ion:117 Resp: 790541
Ion Ratio Lower Upper
117 100
82 52.4 42.6 64.0
119 32.3 25.8 38.6

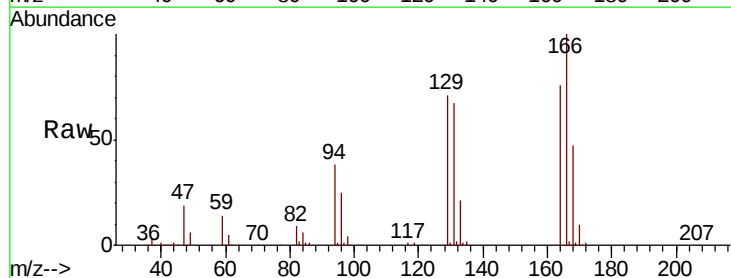


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

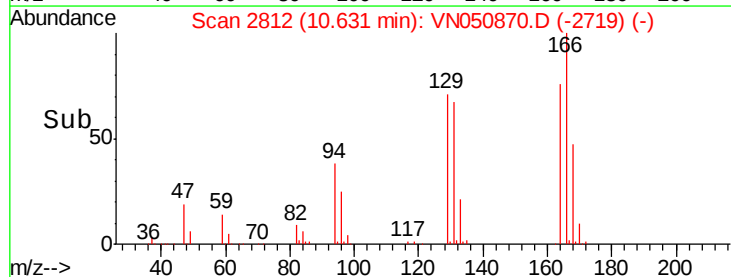
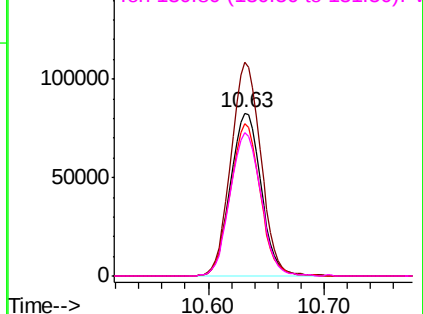


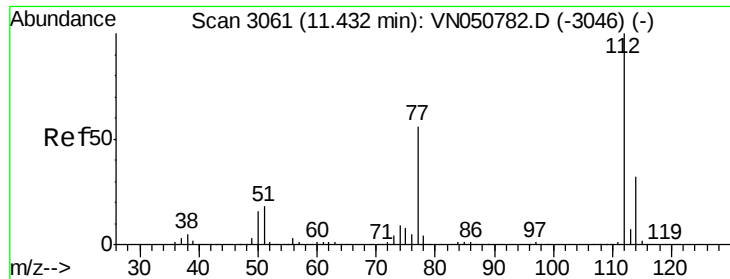
#64
Tetrachloroethene
Concen: 20.07 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050870.D
Acq: 24 Aug 2018 12:25

Tgt Ion:164 Resp: 150717
Ion Ratio Lower Upper
164 100
166 131.0 103.5 155.3
129 93.4 72.7 109.1
131 87.7 69.5 104.3



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

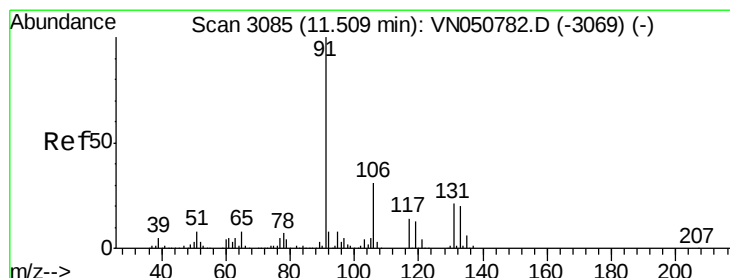
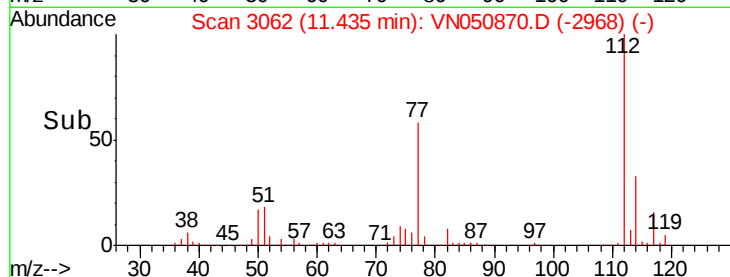
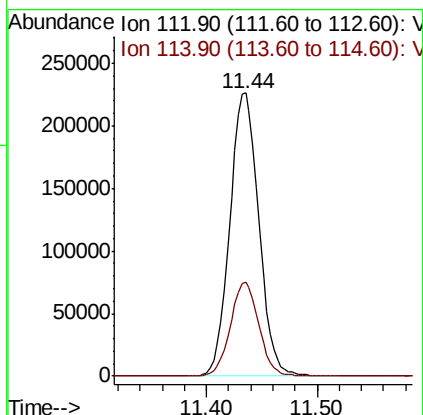
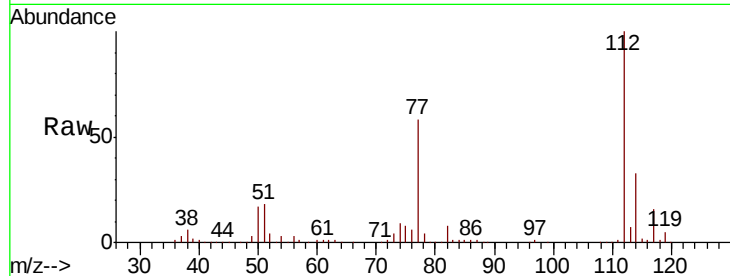




#65
Chlorobenzene
Concen: 19.94 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050870.D
Acq: 24 Aug 2018 12:25

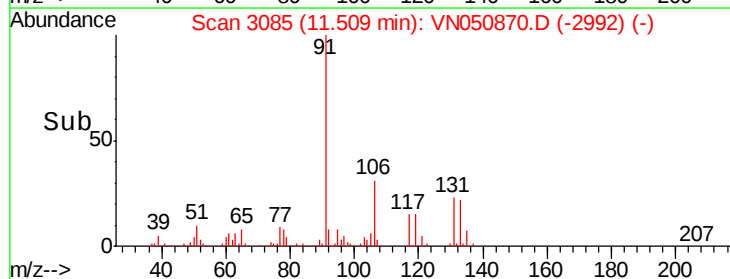
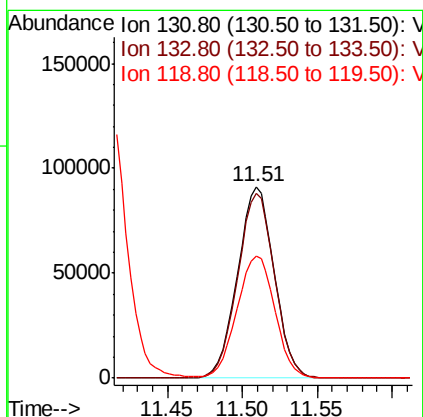
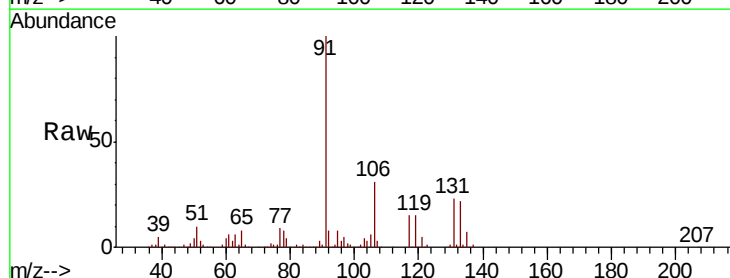
Instrument :
MSVOA_N
ClientSampled :
VN0824WBS02

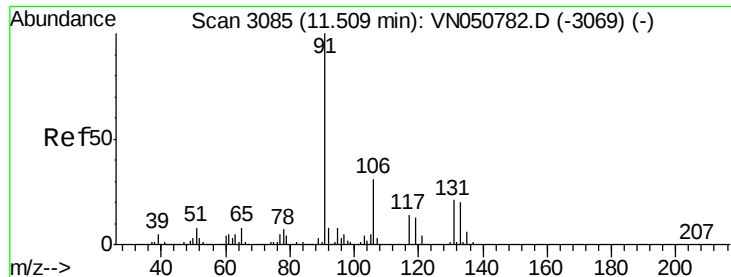
Tot Ion:112 Resp: 412095
Ion Ratio Lower Upper
112 100
114 33.4 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 20.55 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050870.D
Acq: 24 Aug 2018 12:25

Tgt Ion:131 Resp: 155379
Ion Ratio Lower Upper
131 100
133 97.3 47.4 142.3
119 66.2 32.8 98.4





#67

Ethyl Benzene

Concen: 20.23 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050870.D

Acq: 24 Aug 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

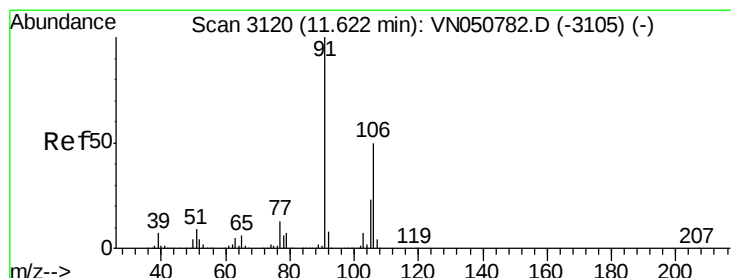
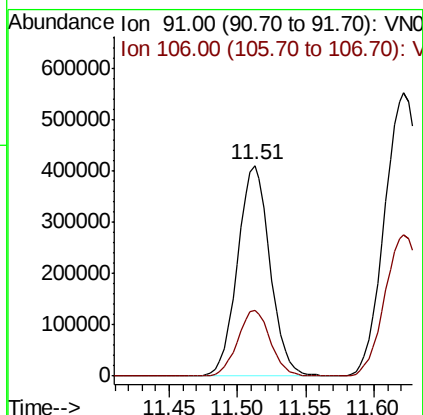
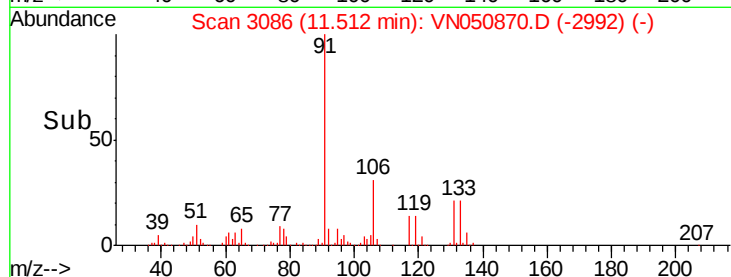
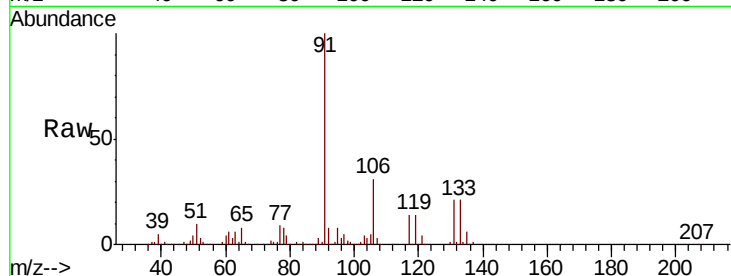
VN0824WBS02

Tot Ion: 91 Resp: 679685

Ion Ratio Lower Upper

91 100

106 31.4 25.0 37.4



#68

m/p-Xylenes

Concen: 41.91 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050870.D

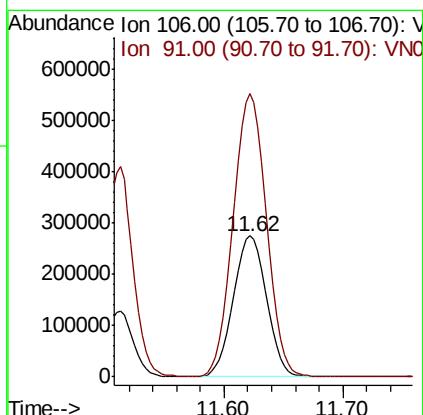
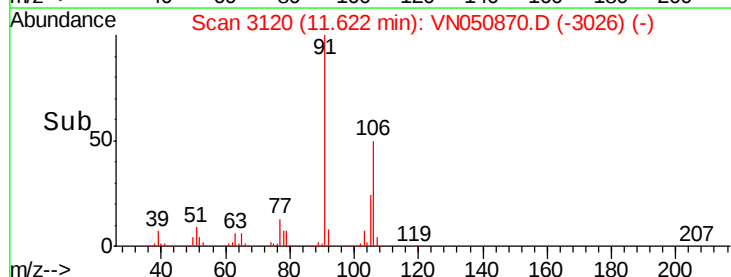
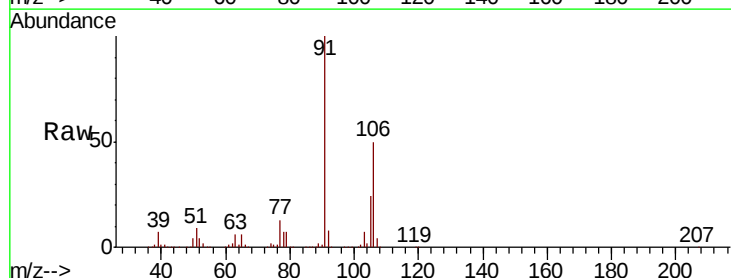
Acq: 24 Aug 2018 12:25

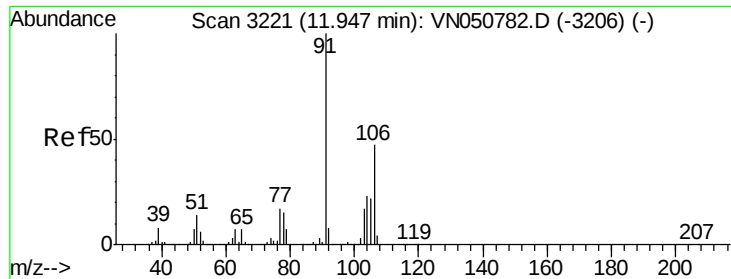
Tgt Ion: 106 Resp: 534348

Ion Ratio Lower Upper

106 100

91 200.7 161.0 241.6

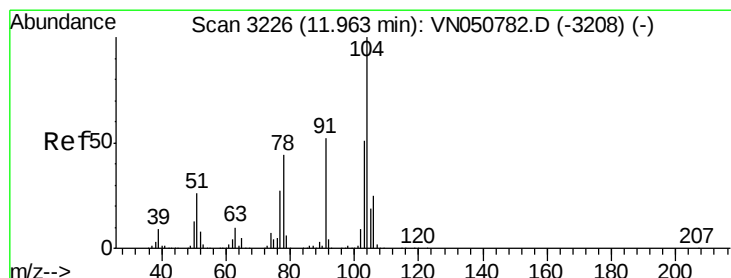
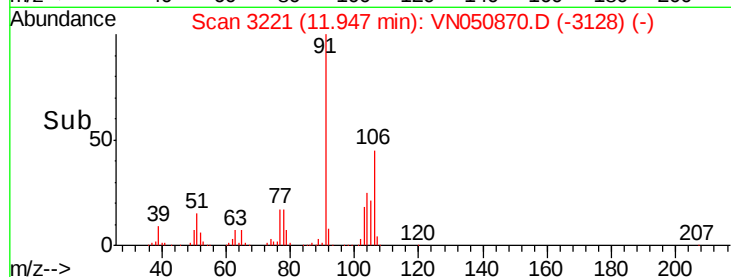
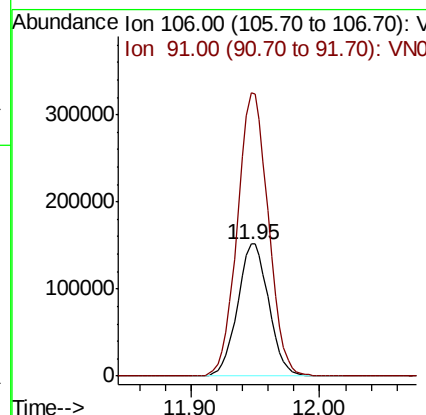
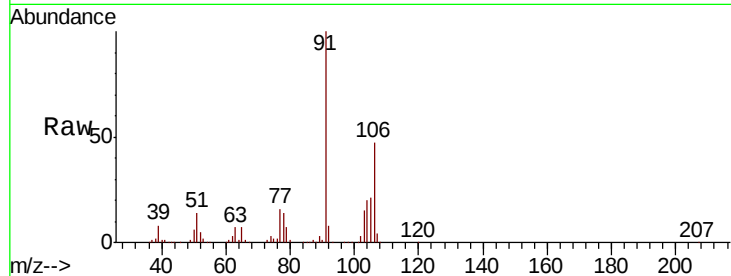




#69
o-Xylene
Concen: 20.76 ug/l
RT: 11.95 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN050870.D
Acq: 24 Aug 2018 12:25

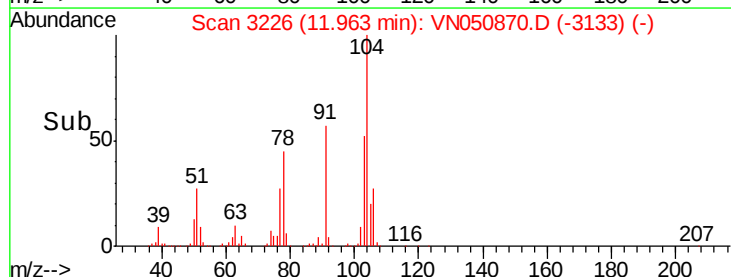
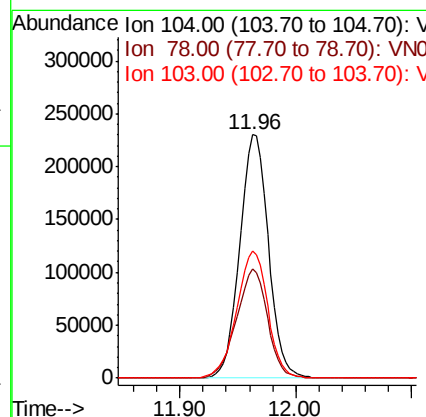
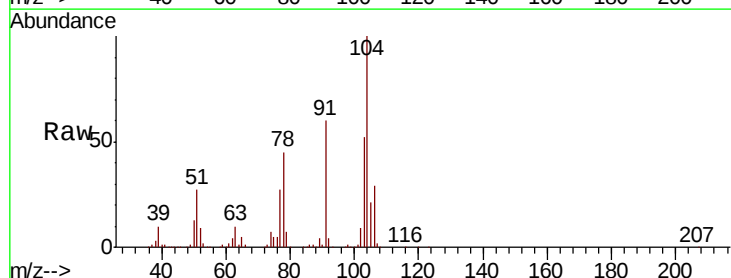
Instrument :
MSVOA_N
ClientSampleId :
VN0824WBS02

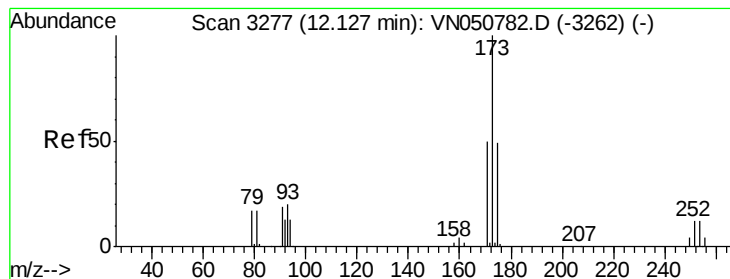
Tot Ion:106 Resp: 254441
Ion Ratio Lower Upper
106 100
91 213.3 106.5 319.5



#70
Styrene
Concen: 19.11 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VN050870.D
Acq: 24 Aug 2018 12:25

Tgt Ion:104 Resp: 395471
Ion Ratio Lower Upper
104 100
78 48.4 38.2 57.4
103 56.5 44.4 66.6

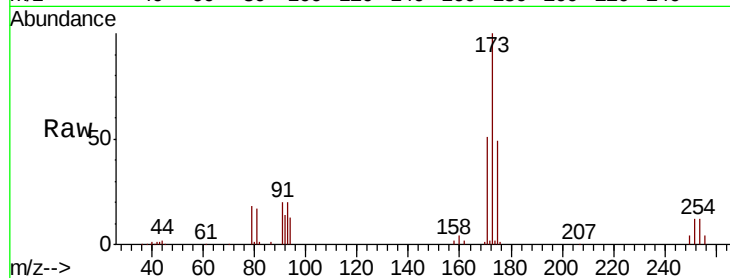




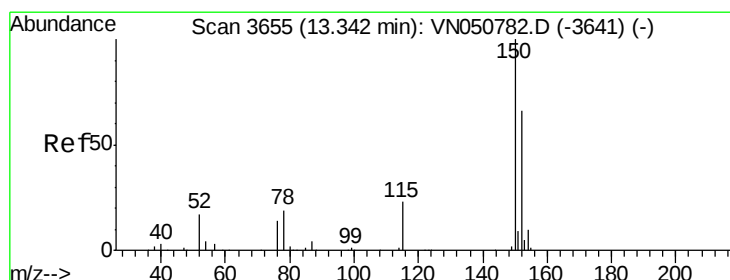
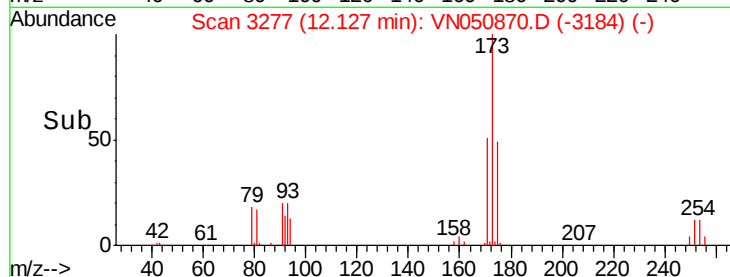
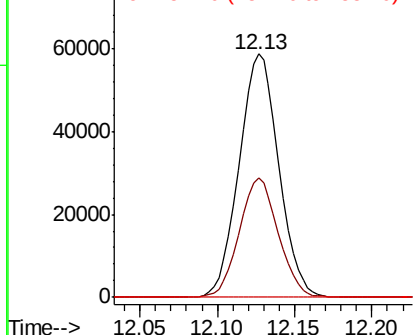
#71
Bromoform
Concen: 20.11 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050870.D
Acq: 24 Aug 2018 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBS02

Tot Ion:173 Resp: 104561
Ion Ratio Lower Upper
173 100
175 48.1 24.4 73.4
254 0.0 0.1 0.1#

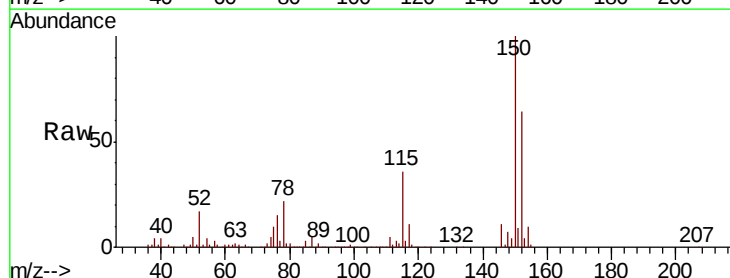


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

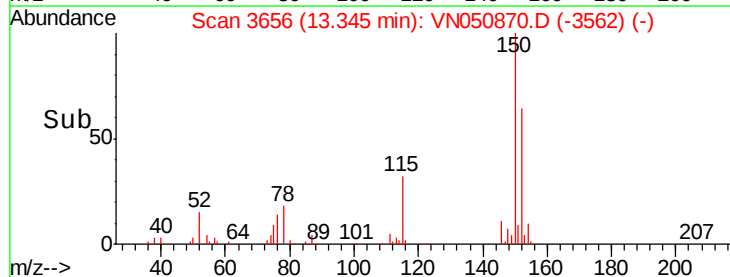
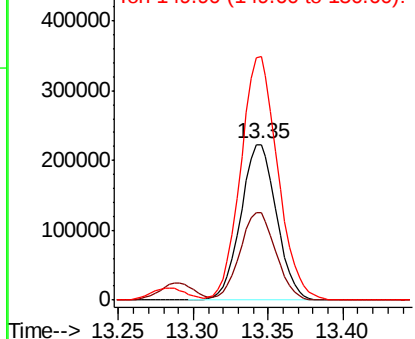


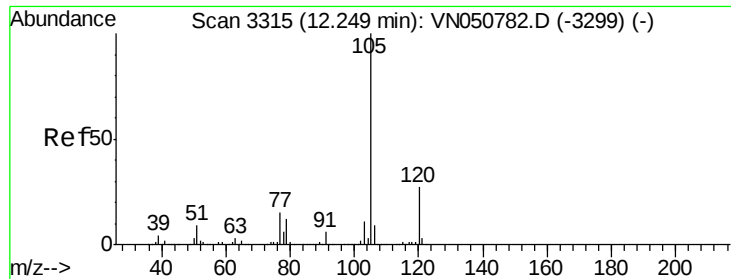
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050870.D
Acq: 24 Aug 2018 12:25

Tgt Ion:152 Resp: 369564
Ion Ratio Lower Upper
152 100
115 56.6 27.8 83.4
150 163.1 0.0 351.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.94 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050870.D

Acq: 24 Aug 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

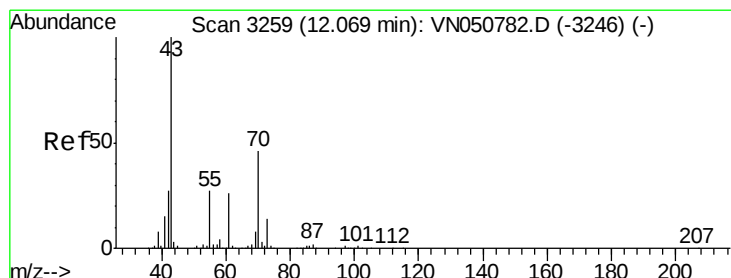
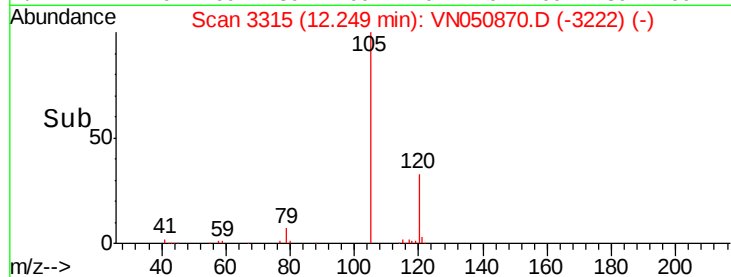
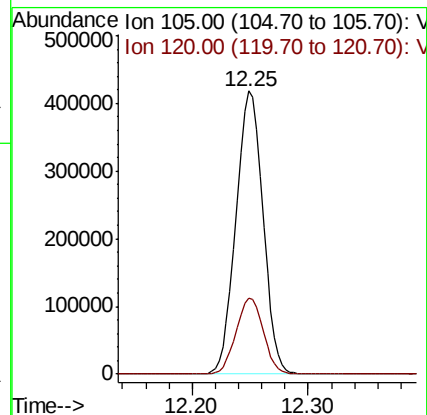
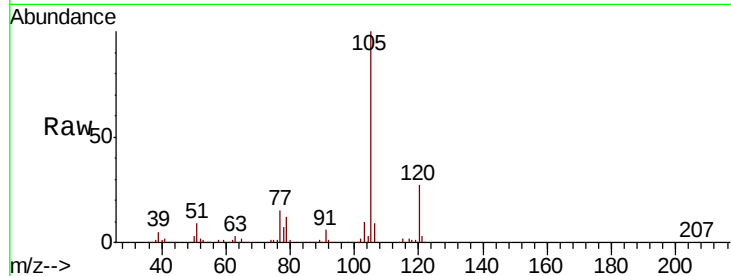
VN0824WBS02

Tot Ion:105 Resp: 671365

Ion Ratio Lower Upper

105 100

120 27.1 13.5 40.4



#74

N-ethyl acetate

Concen: 20.47 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050870.D

Acq: 24 Aug 2018 12:25

Tgt Ion: 43 Resp: 157375

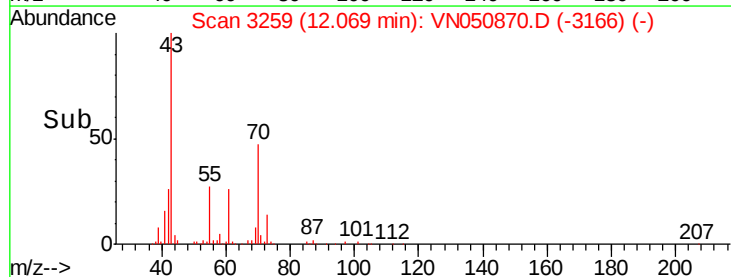
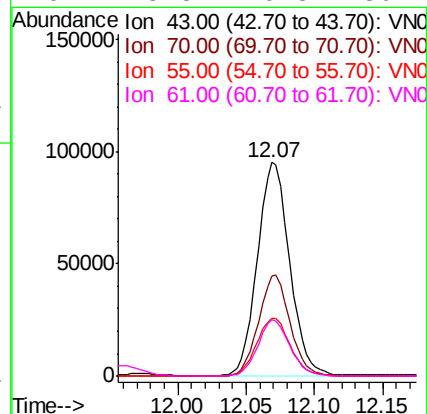
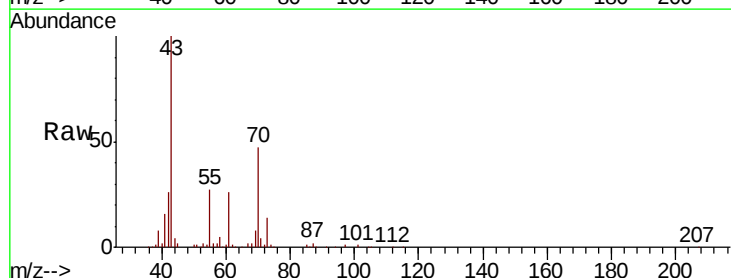
Ion Ratio Lower Upper

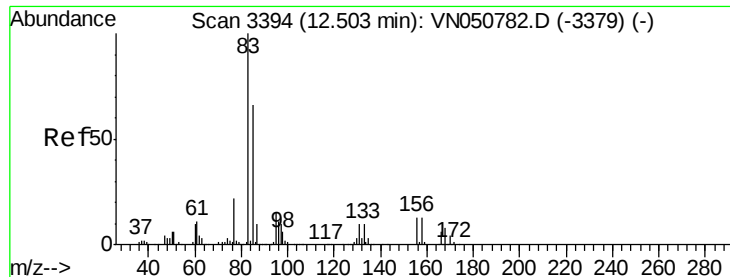
43 100

70 45.6 36.2 54.2

55 27.8 21.8 32.8

61 25.8 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 22.34 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. 0.00 min

Lab File: VN050870.D

Acq: 24 Aug 2018 12:25

Instrument :

MSVOA_N

ClientSampled :

VN0824WBS02

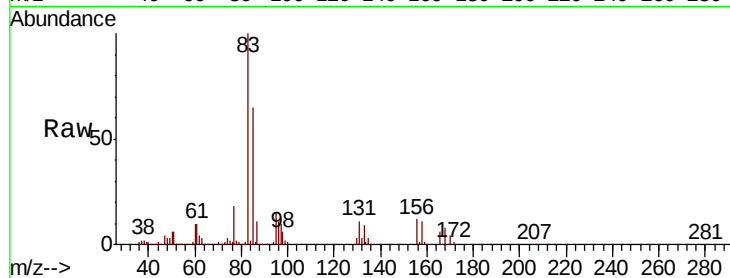
Tot Ion: 83 Resp: 169598

Ion Ratio Lower Upper

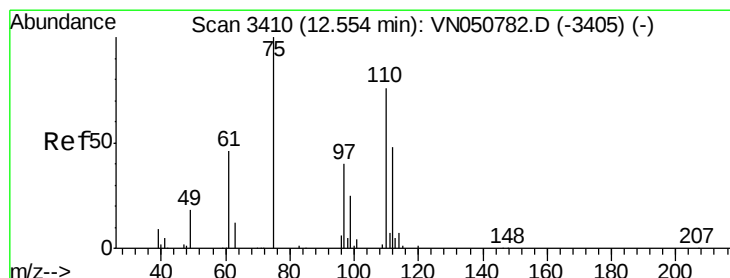
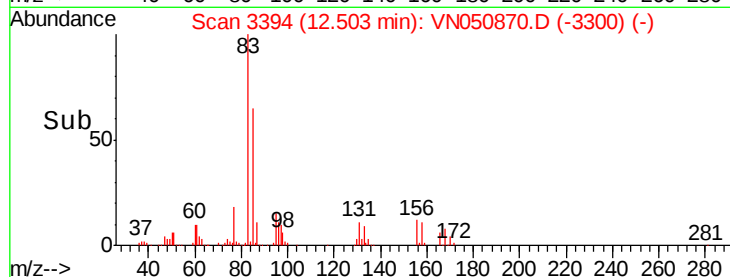
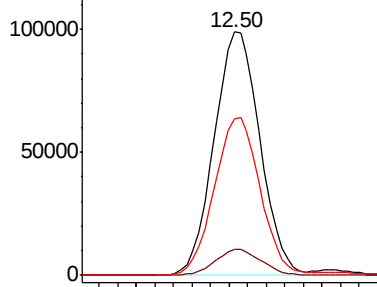
83 100

131 10.9 5.3 15.9

85 65.0 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 29.90 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN050870.D

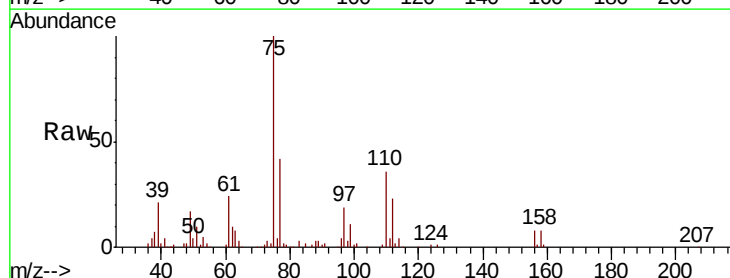
Acq: 24 Aug 2018 12:25

Tgt Ion: 75 Resp: 193540

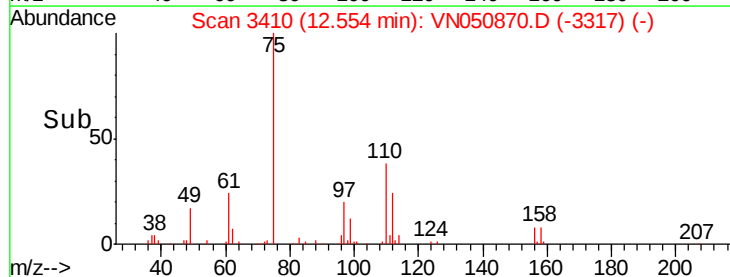
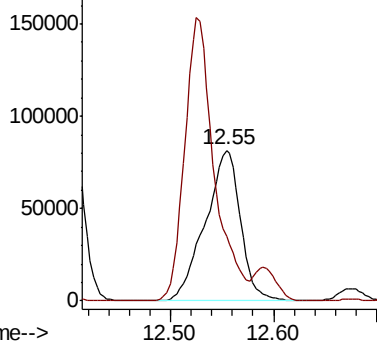
Ion Ratio Lower Upper

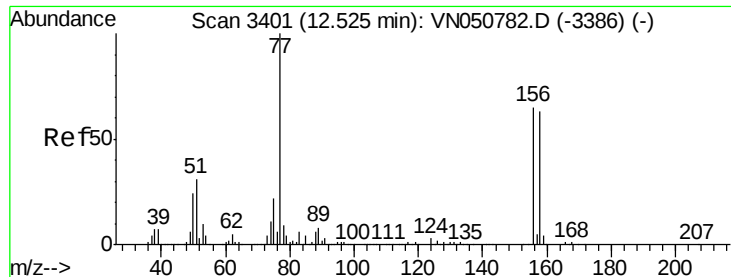
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 20.50 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050870.D

Acq: 24 Aug 2018 12:25

Instrument :

MSVOA_N

ClientSampled :

VN0824WBS02

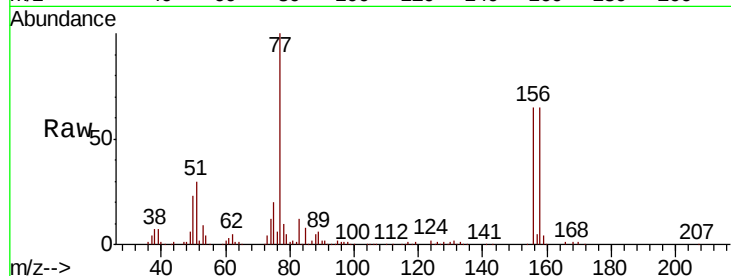
Tot Ion:156 Resp: 170461

Ion Ratio Lower Upper

156 100

77 179.9 89.9 269.7

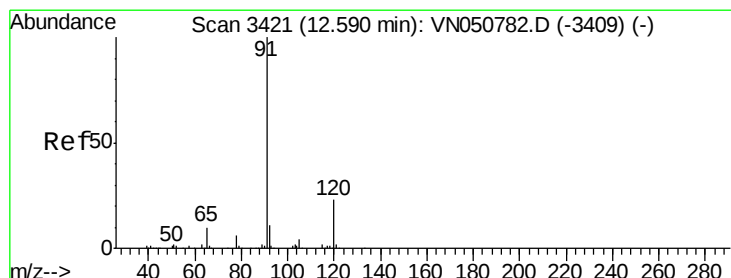
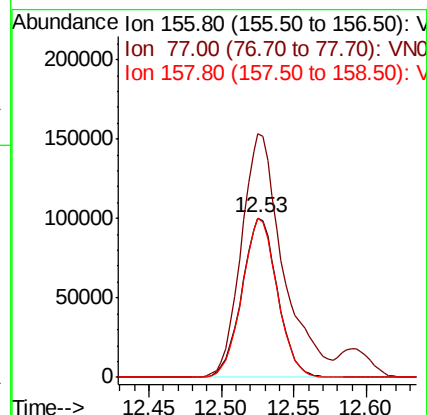
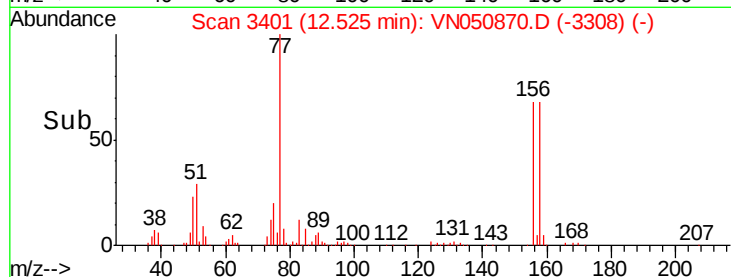
158 98.8 49.3 147.9



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: 21.84 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050870.D

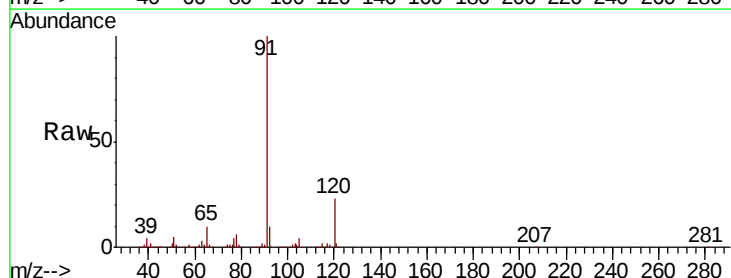
Acq: 24 Aug 2018 12:25

Tgt Ion: 91 Resp: 746668

Ion Ratio Lower Upper

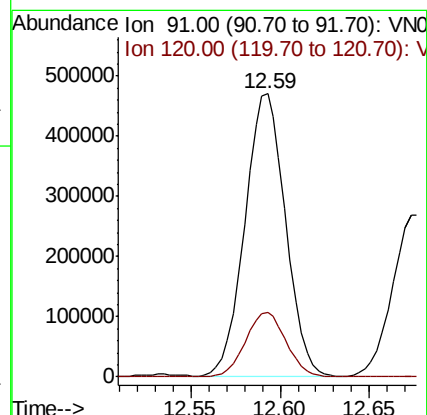
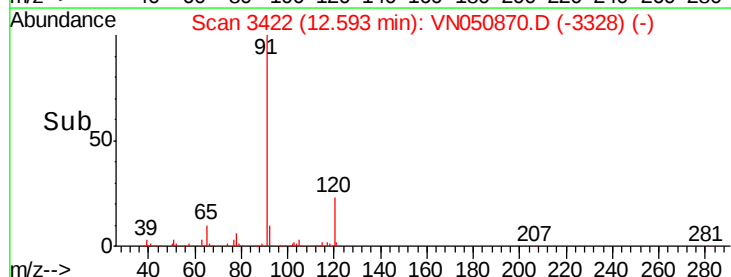
91 100

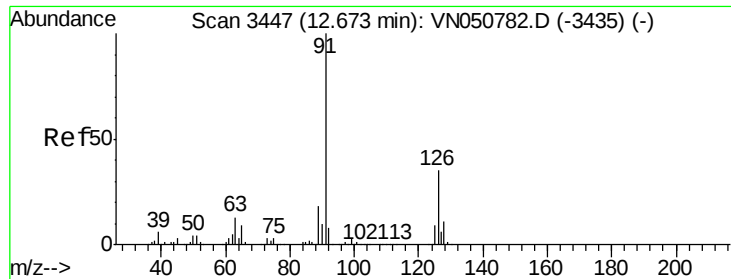
120 22.9 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

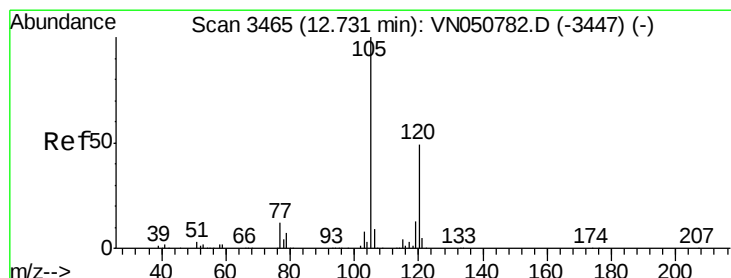
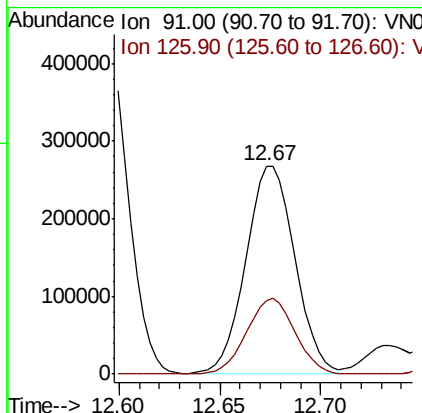
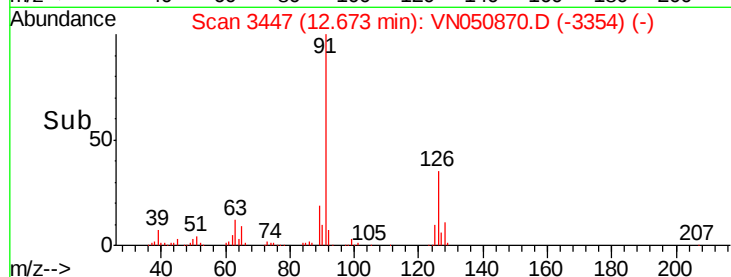
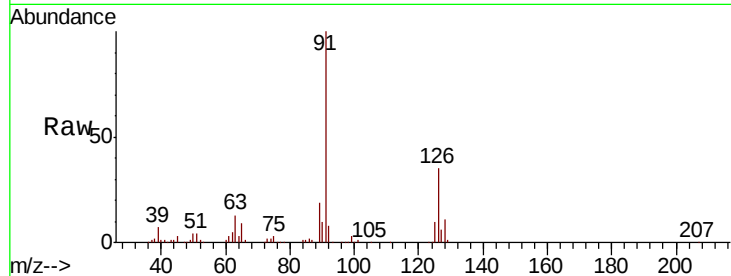




#79
 2-Chlorotoluene
 Concen: 21.35 ug/l
 RT: 12.67 min Scan# 3447
 Delta R.T. -0.00 min
 Lab File: VN050870.D
 Acq: 24 Aug 2018 12:25

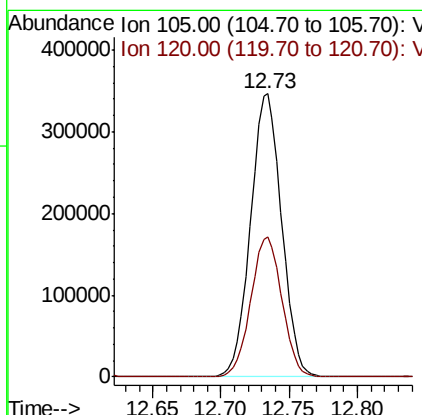
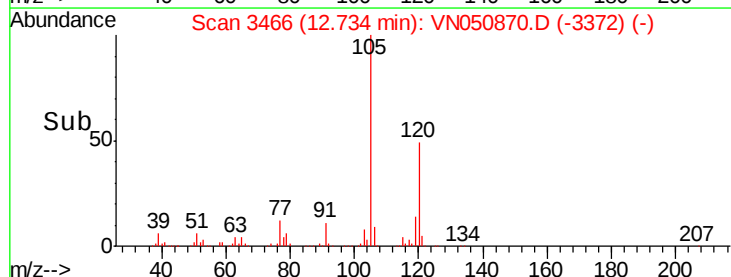
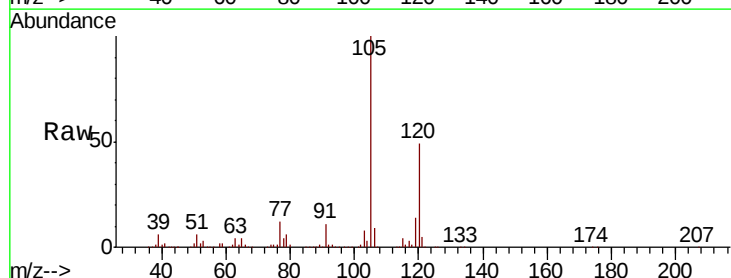
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBS02

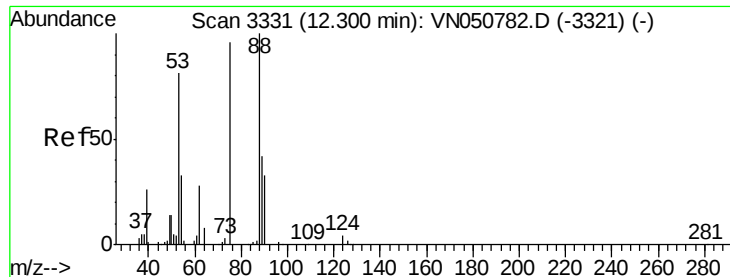
Tot Ion: 91 Resp: 454540
 Ion Ratio Lower Upper
 91 100
 126 36.1 17.8 53.3



#80
 1,3,5-Trimethylbenzene
 Concen: 22.08 ug/l
 RT: 12.73 min Scan# 3466
 Delta R.T. 0.00 min
 Lab File: VN050870.D
 Acq: 24 Aug 2018 12:25

Tgt Ion:105 Resp: 545194
 Ion Ratio Lower Upper
 105 100
 120 49.7 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.41 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. 0.00 min

Lab File: VN050870.D

Acq: 24 Aug 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBS02

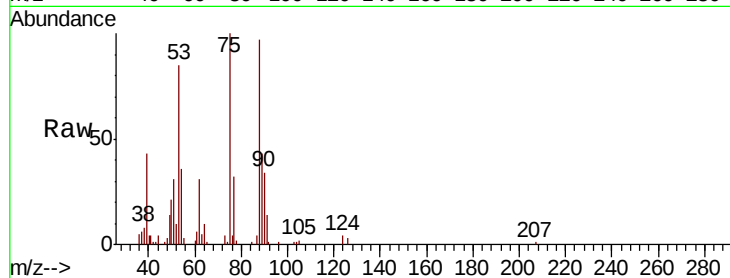
Tot Ion: 75 Resp: 39081

Ion Ratio Lower Upper

75 100

53 87.1 68.9 103.3

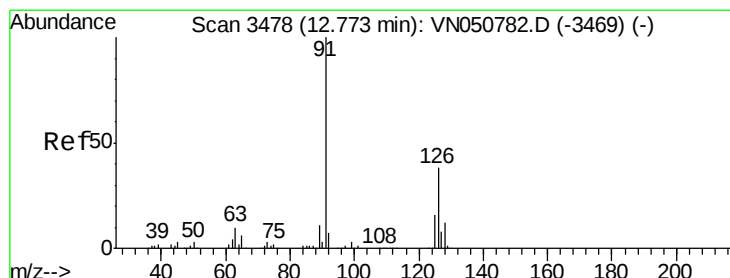
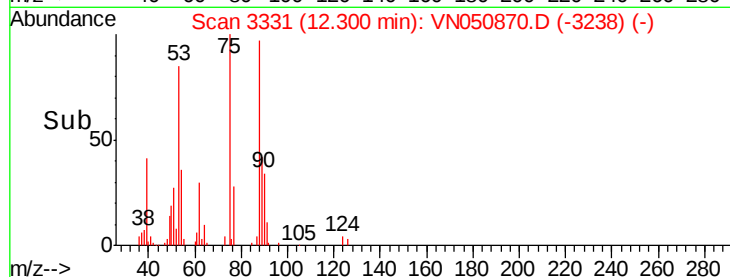
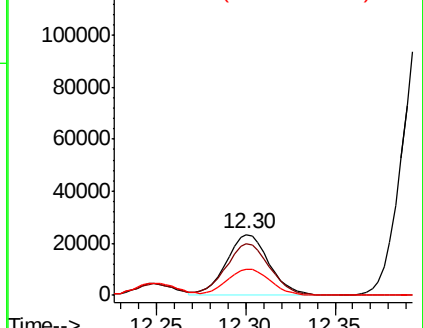
89 43.6 36.1 54.1



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 21.18 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

Lab File: VN050870.D

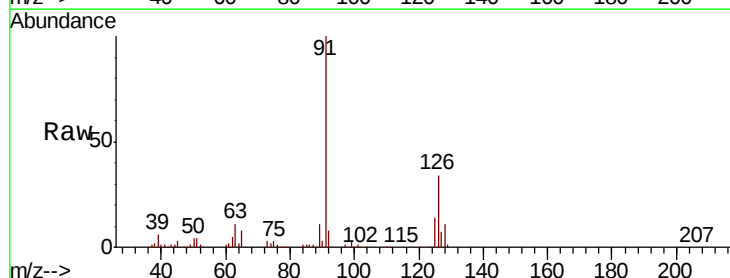
Acq: 24 Aug 2018 12:25

Tgt Ion: 91 Resp: 445315

Ion Ratio Lower Upper

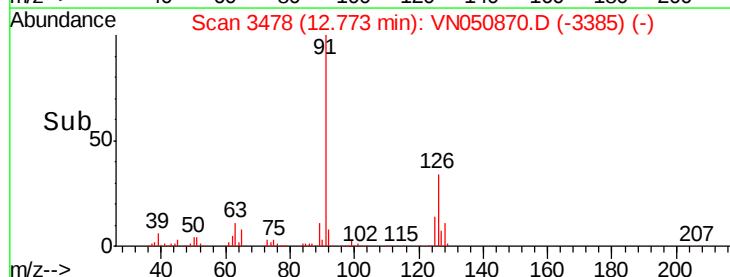
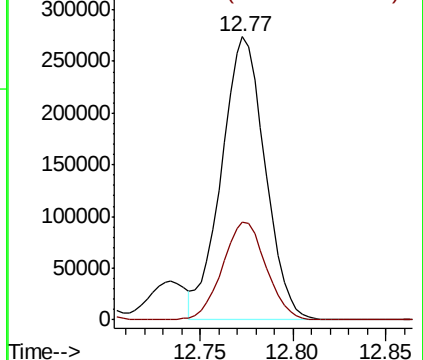
91 100

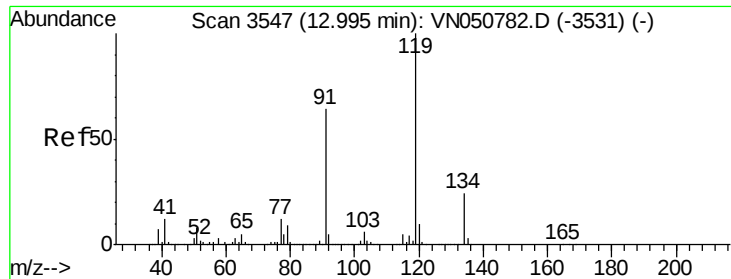
126 34.8 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

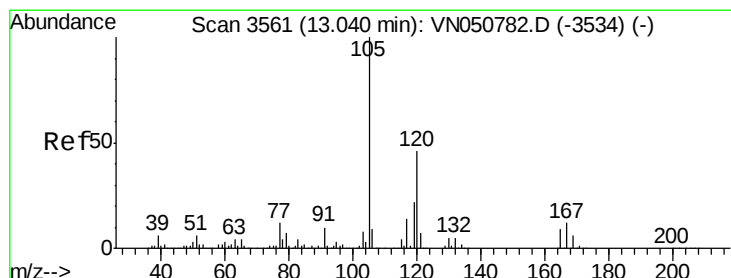
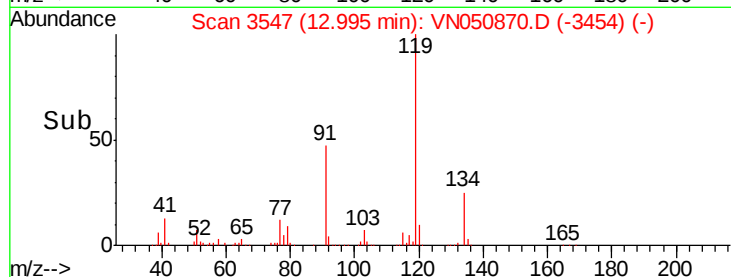
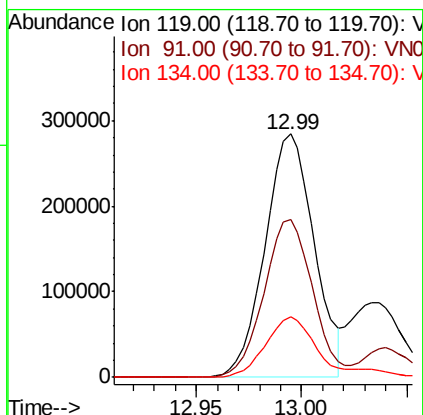
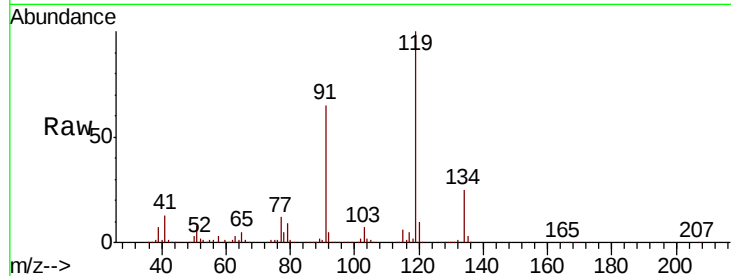




#83
 tert-Butylbenzene
 Concen: 21.61 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050870.D
 Acq: 24 Aug 2018 12:25

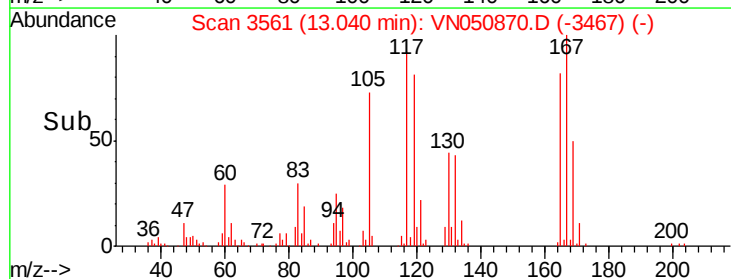
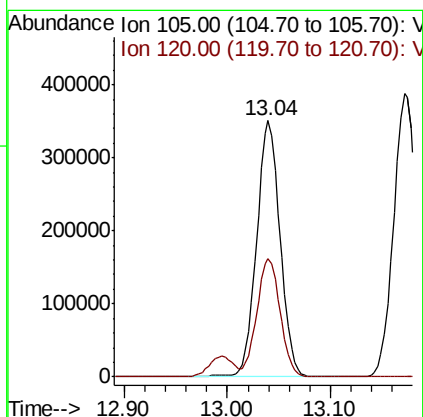
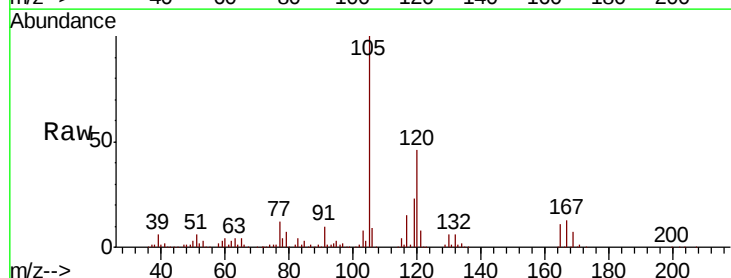
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBS02

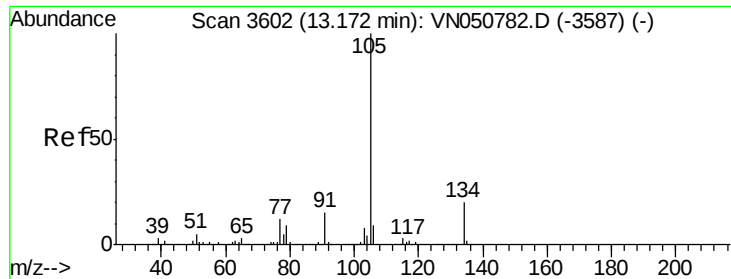
Tot Ion:119 Resp: 462186
 Ion Ratio Lower Upper
 119 100
 91 64.5 31.6 94.7
 134 24.9 13.4 40.1



#84
 1,2,4-Trimethylbenzene
 Concen: 22.17 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050870.D
 Acq: 24 Aug 2018 12:25

Tgt Ion:105 Resp: 550614
 Ion Ratio Lower Upper
 105 100
 120 46.2 22.9 68.8





#85

sec-Butylbenzene

Concen: 21.77 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN050870.D

Acq: 24 Aug 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

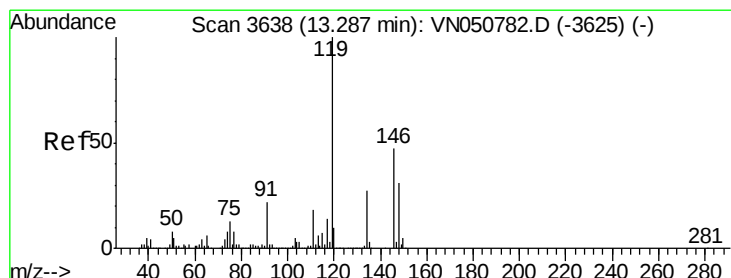
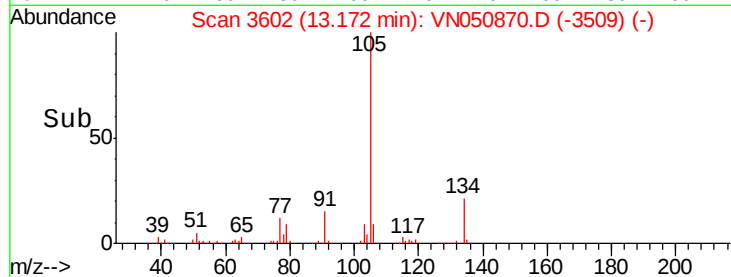
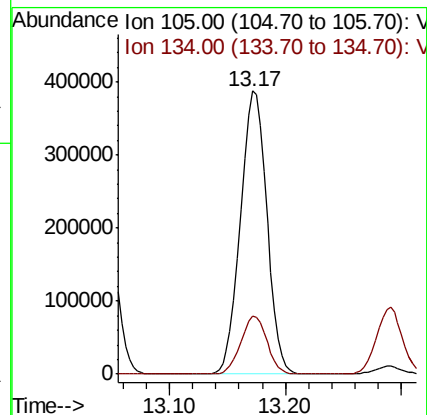
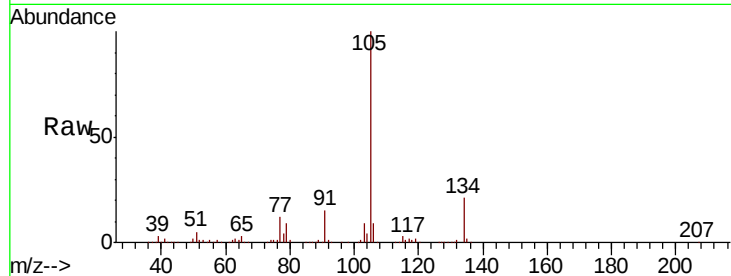
VN0824WBS02

Tot Ion:105 Resp: 610050

Ion Ratio Lower Upper

105 100

134 20.3 10.3 30.8



#86

p-Isopropyltoluene

Concen: 21.90 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050870.D

Acq: 24 Aug 2018 12:25

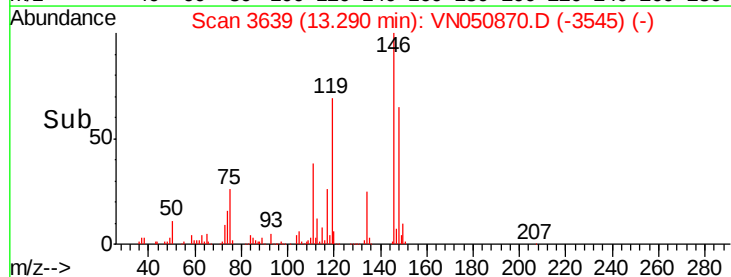
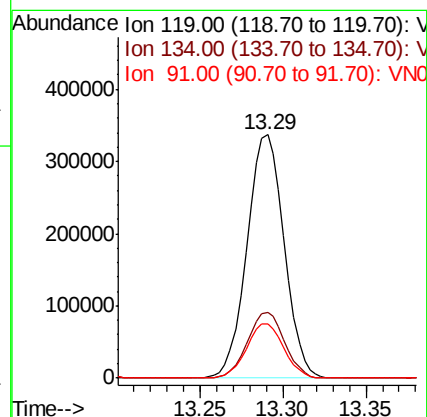
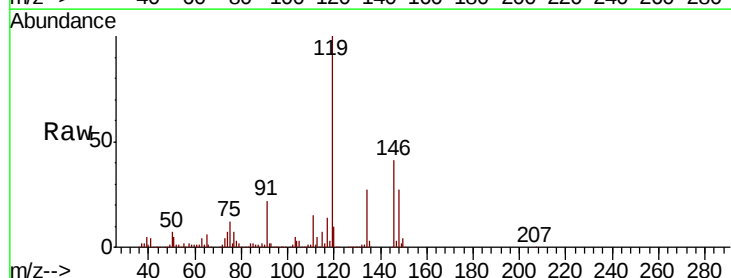
Tgt Ion:119 Resp: 522865

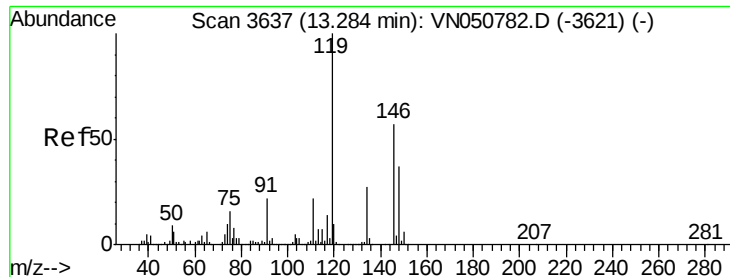
Ion Ratio Lower Upper

119 100

134 27.1 13.7 41.0

91 22.3 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 19.92 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN050870.D

Acq: 24 Aug 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBS02

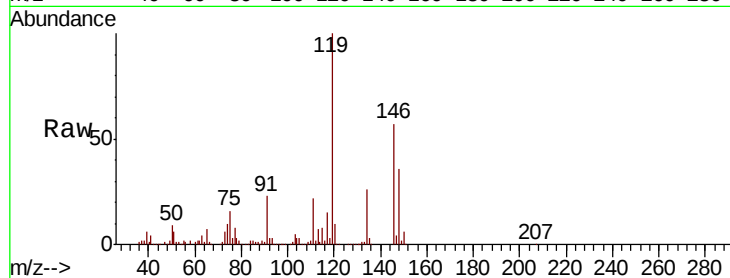
Tot Ion:146 Resp: 281143

Ion Ratio Lower Upper

146 100

111 38.4 19.1 57.3

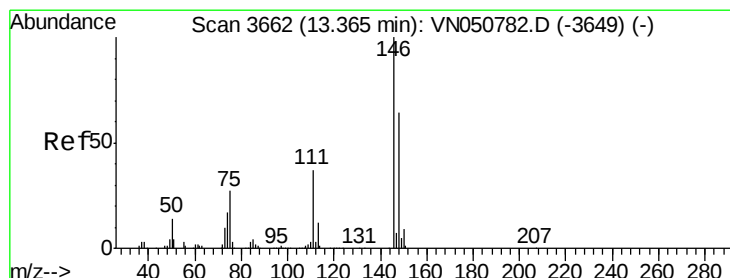
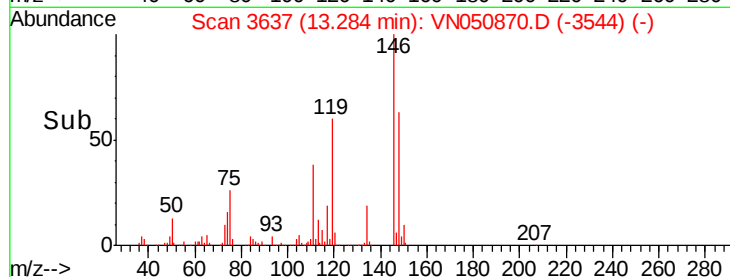
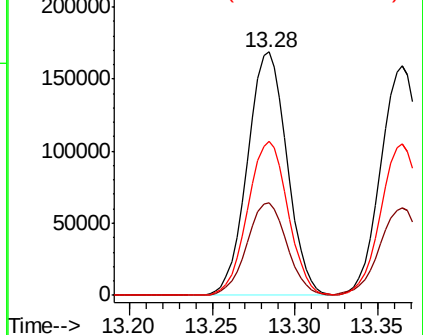
148 64.2 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.56 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. -0.00 min

Lab File: VN050870.D

Acq: 24 Aug 2018 12:25

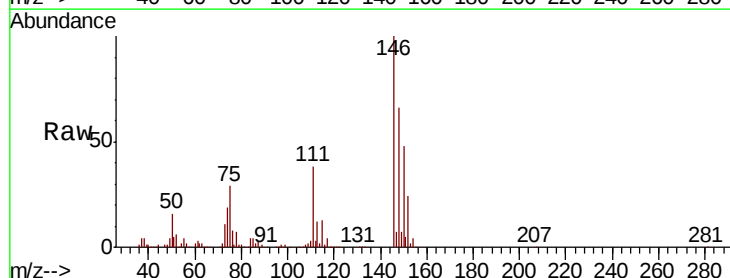
Tgt Ion:146 Resp: 271634

Ion Ratio Lower Upper

146 100

111 38.7 18.8 56.3

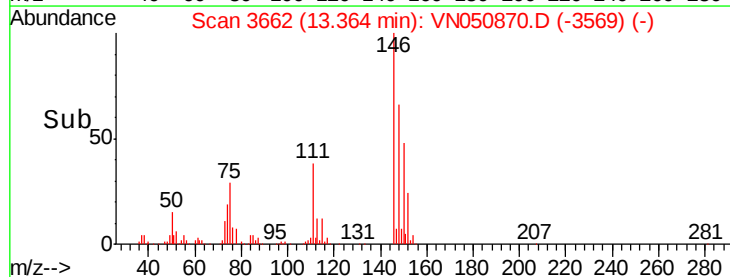
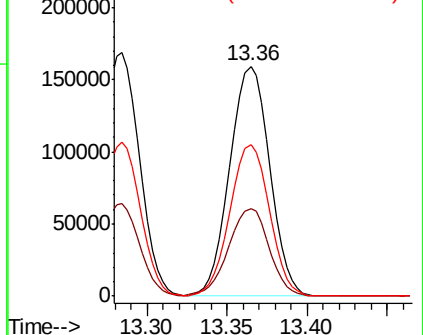
148 65.3 32.2 96.6

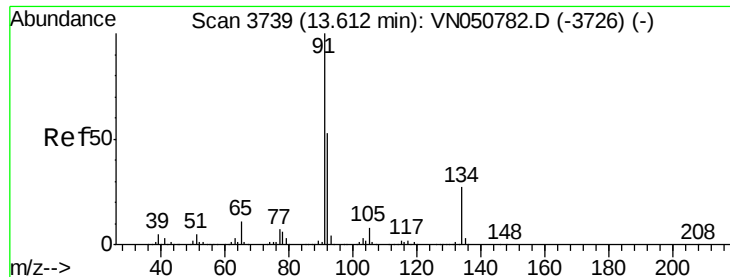


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

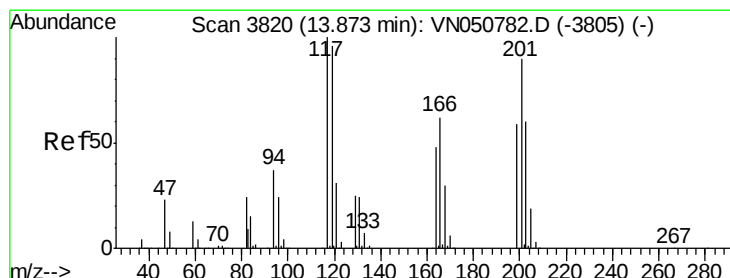
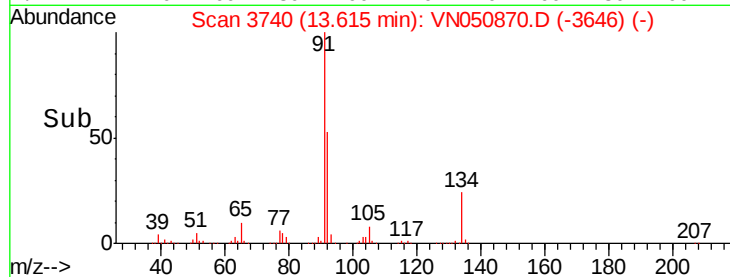
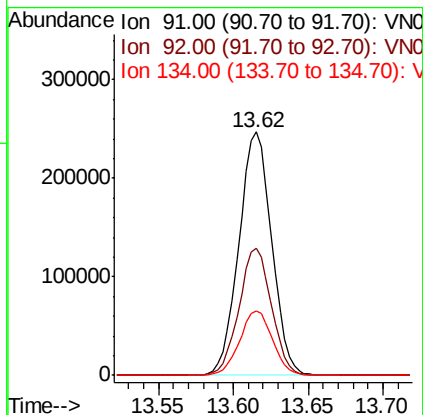
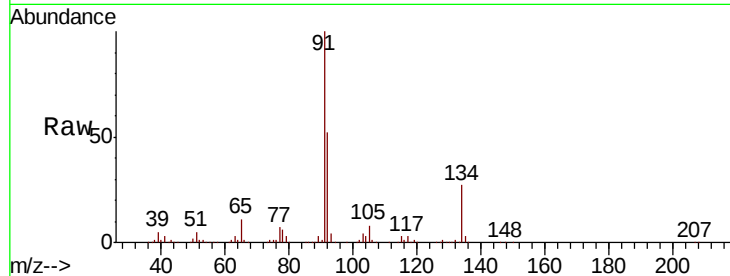




#89
n-Butylbenzene
Concen: 19.74 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050870.D
Acq: 24 Aug 2018 12:25

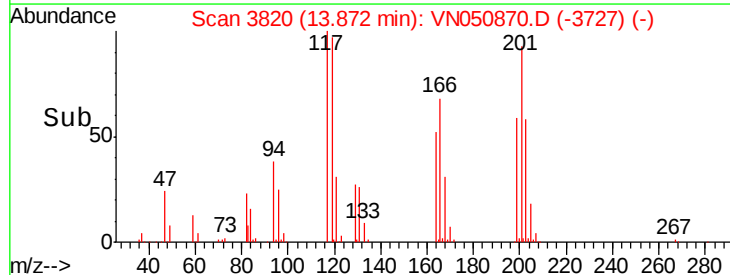
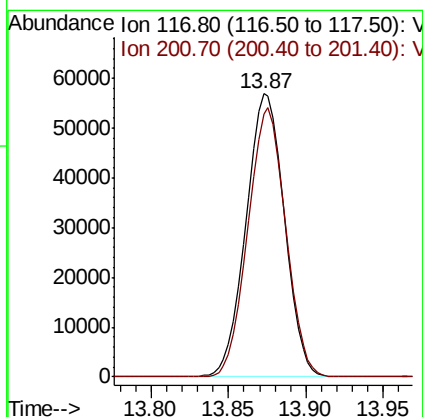
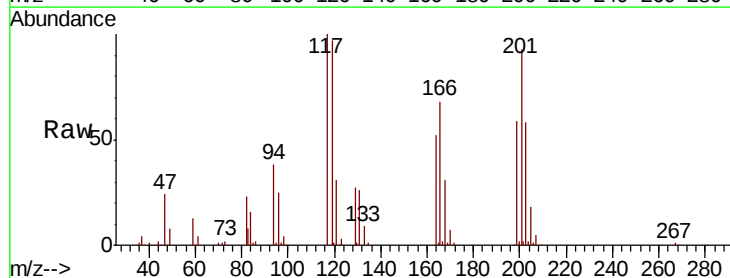
Instrument :
MSVOA_N
ClientSampled :
VN0824WBS02

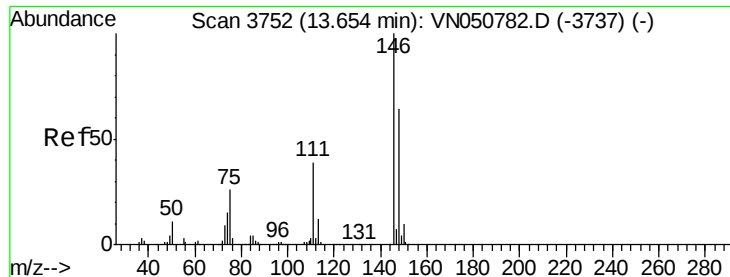
Tot Ion: 91 Resp: 377050
Ion Ratio Lower Upper
91 100
92 51.7 26.1 78.2
134 26.3 13.2 39.6



#90
Hexachloroethane
Concen: 21.74 ug/l
RT: 13.87 min Scan# 3820
Delta R.T. 0.00 min
Lab File: VN050870.D
Acq: 24 Aug 2018 12:25

Tgt Ion: 117 Resp: 98442
Ion Ratio Lower Upper
117 100
201 93.2 46.0 137.8

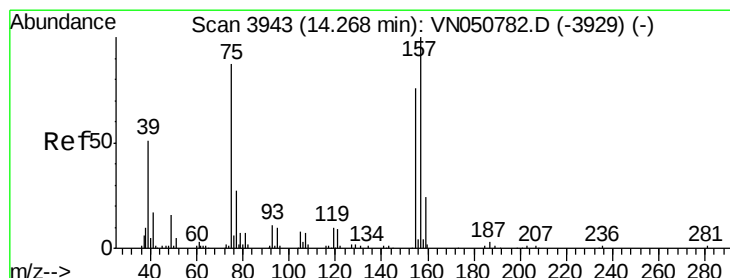
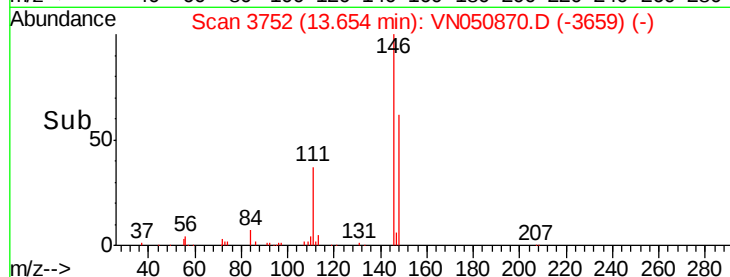
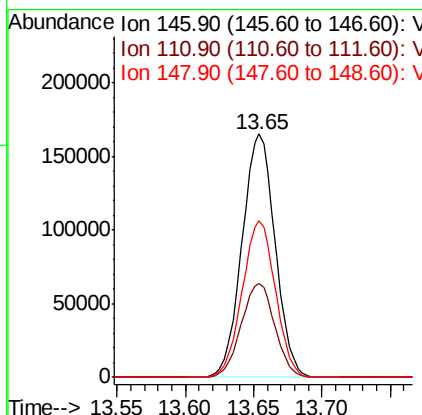
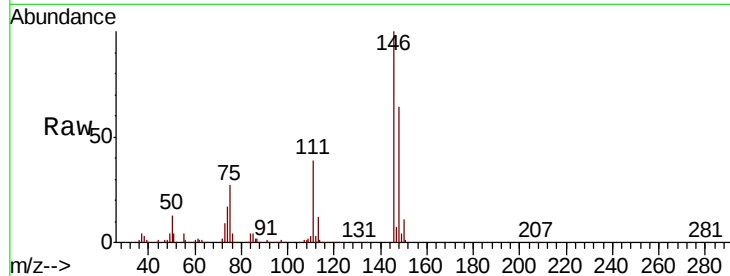




#91
 1,2-Dichlorobenzene
 Concen: 20.43 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050870.D
 Acq: 24 Aug 2018 12:25

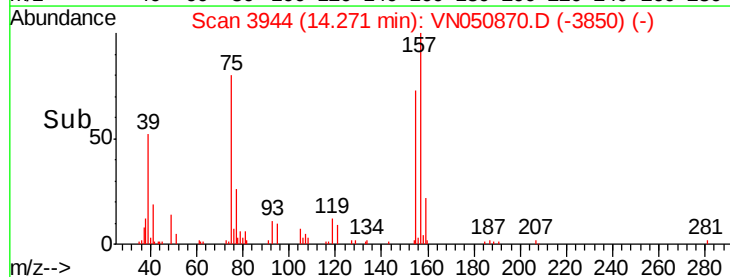
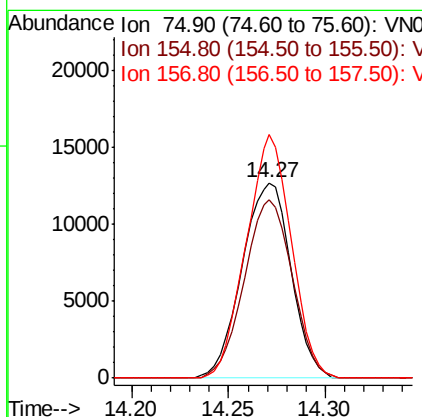
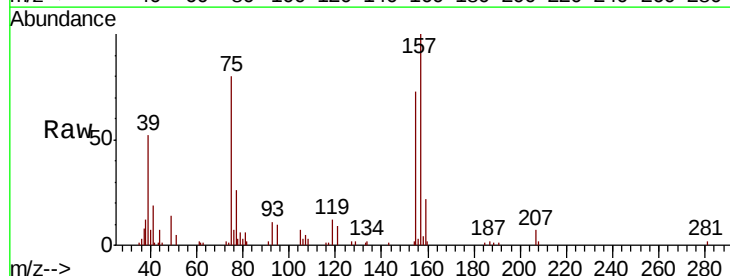
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBS02

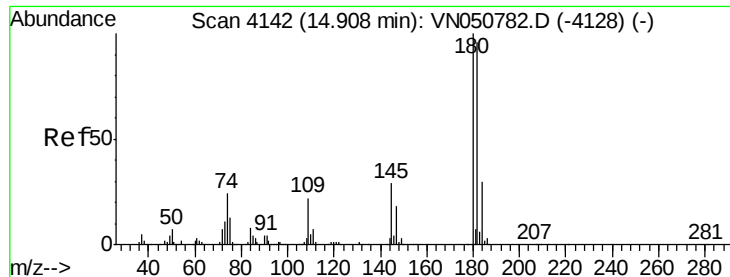
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.8	59.3
148	64.5	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.26 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050870.D
 Acq: 24 Aug 2018 12:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.9	46.4	139.1
157	115.2	60.7	182.0

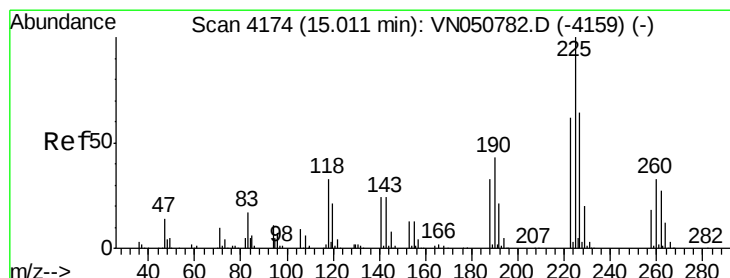
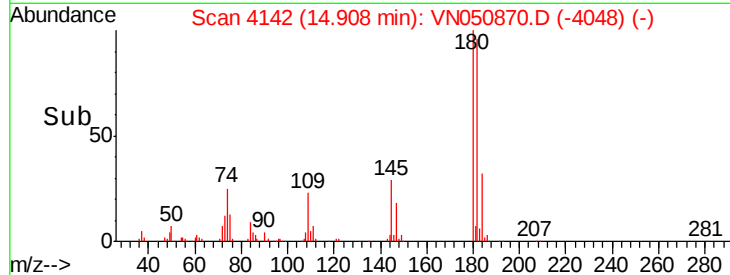
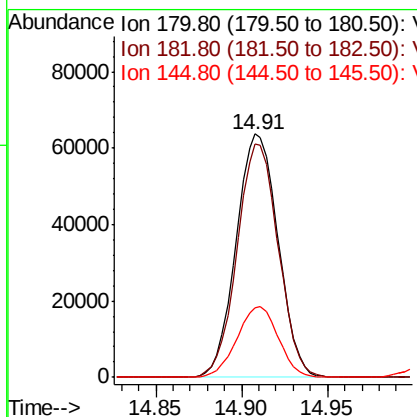
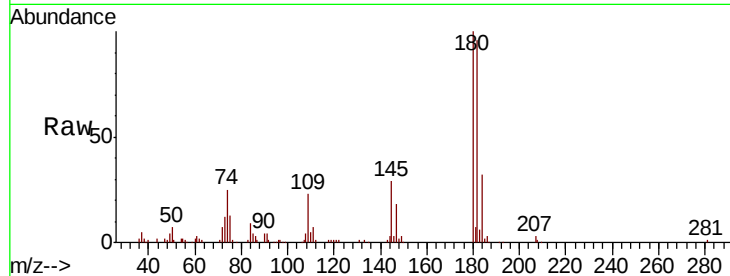




#93
 1,2,4-Trichlorobenzene
 Concen: 18.08 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. 0.00 min
 Lab File: VN050870.D
 Acq: 24 Aug 2018 12:25

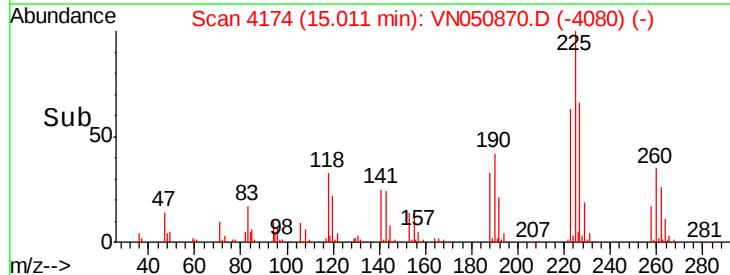
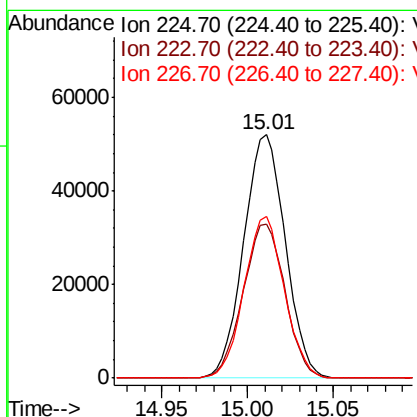
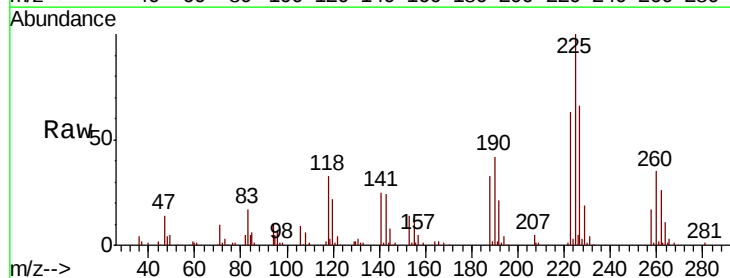
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBS02

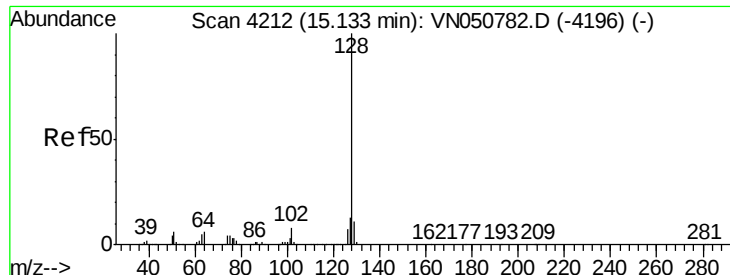
Tot Ion:180 Resp: 108000
 Ion Ratio Lower Upper
 180 100
 182 94.1 48.2 144.6
 145 28.7 14.1 42.2



#94
 Hexachlorobutadiene
 Concen: 21.02 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050870.D
 Acq: 24 Aug 2018 12:25

Tgt Ion:225 Resp: 87446
 Ion Ratio Lower Upper
 225 100
 223 63.5 31.3 93.8
 227 63.9 32.0 96.2





#95

Naphthalene

Concen: 17.80 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN050870.D

Acq: 24 Aug 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBS02

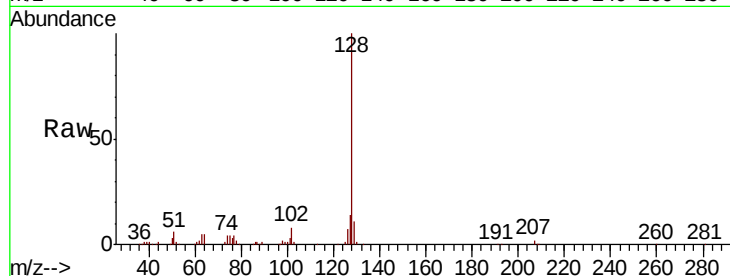
Tot Ion:128 Resp: 205190

Ion Ratio Lower Upper

128 100

127 13.4 10.5 15.7

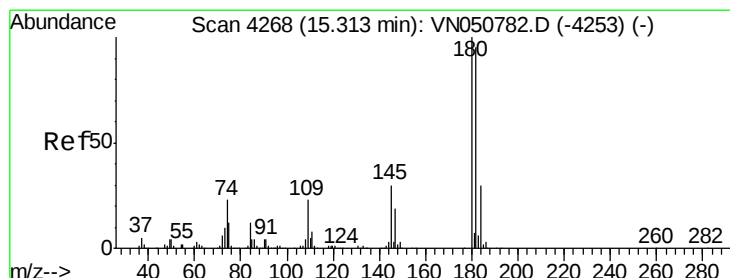
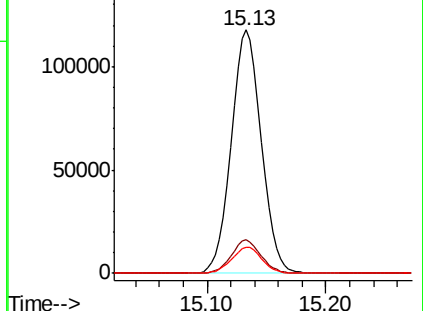
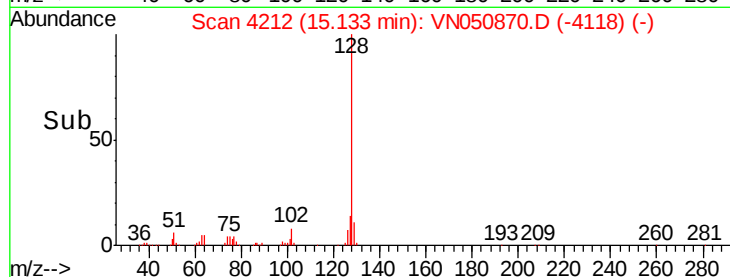
129 10.7 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.82 ug/l

RT: 15.31 min Scan# 4268

Delta R.T. 0.00 min

Lab File: VN050870.D

Acq: 24 Aug 2018 12:25

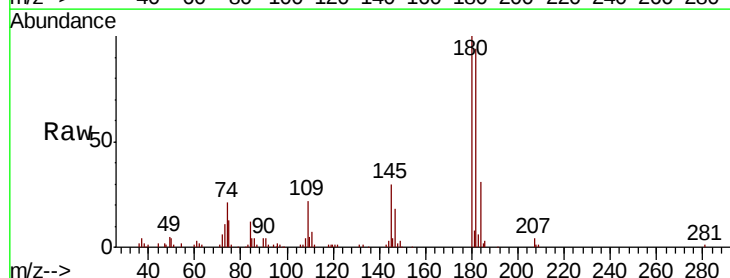
Tgt Ion:180 Resp: 110319

Ion Ratio Lower Upper

180 100

182 96.1 48.0 144.2

145 30.2 15.2 45.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

