

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080318\
 Data File : VN050332.D
 Acq On : 4 Aug 2018 00:06
 Operator : MD\SY
 Sample : VN0803WBSD03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBSD03

Quant Time: Aug 04 01:44:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	582473	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	887438	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	800635	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	419014	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	403092	49.60	ug/l	0.00
Spiked Amount			Recovery	=	99.20%	
35) Dibromofluoromethane	7.59	113	356132	49.15	ug/l	0.00
Spiked Amount			Recovery	=	98.30%	
50) Toluene-d8	10.09	98	1283740	48.19	ug/l	0.00
Spiked Amount			Recovery	=	96.38%	
62) 4-Bromofluorobenzene	12.40	95	430731	49.11	ug/l	0.00
Spiked Amount			Recovery	=	98.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	168489	20.13	ug/l	100
3) Chloromethane	2.06	50	165348	18.18	ug/l	99
4) Vinyl Chloride	2.18	62	186164	19.43	ug/l	98
5) Bromomethane	2.56	94	89113	16.07	ug/l	97
6) Chloroethane	2.70	64	111543	19.39	ug/l	99
7) Trichlorofluoromethane	3.01	101	254819	20.53	ug/l	100
8) Diethyl Ether	3.41	74	91502	22.12	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	154802	20.74	ug/l	99
10) Methyl Iodide	3.95	142	89354	9.33	ug/l	97
11) Tert butyl alcohol	4.80	59	74327	124.30	ug/l	100
12) 1,1-Dichloroethene	3.73	96	138566	20.64	ug/l	95
13) Acrolein	3.61	56	72748	151.42	ug/l	96
14) Allyl chloride	4.32	41	217968	20.94	ug/l	98
15) Acrylonitrile	5.00	53	303404	116.30	ug/l	99
16) Acetone	3.82	43	249913	128.44	ug/l	99
17) Carbon Disulfide	4.05	76	351643	17.10	ug/l	100
18) Methyl Acetate	4.33	43	226602	29.78	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	419495	23.45	ug/l	99
20) Methylene Chloride	4.55	84	164716	22.16	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	147364	20.72	ug/l	99
22) Diisopropyl ether	5.96	45	498112	24.13	ug/l	98
23) Vinyl Acetate	5.90	43	1560831	107.01	ug/l	99
24) 1,1-Dichloroethane	5.85	63	299222	22.17	ug/l	100
25) 2-Butanone	6.84	43	366660	118.28	ug/l	98
26) 2,2-Dichloropropane	6.82	77	180520	17.58	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	173229	22.62	ug/l	98
28) Bromochloromethane	7.20	49	130551	21.21	ug/l	99
29) Tetrahydrofuran	7.22	42	235894	117.77	ug/l	99
30) Chloroform	7.37	83	306101	22.22	ug/l	98
31) Cyclohexane	7.66	56	226008	20.15	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	254470	21.60	ug/l	100
36) 1,1-Dichloropropene	7.80	75	209503	20.95	ug/l	99
37) Ethyl Acetate	6.94	43	154831	22.21	ug/l	100
38) Carbon Tetrachloride	7.78	117	219664	20.71	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	196776	19.13	ug/l	97
40) Benzene	8.05	78	663565	21.81	ug/l	100
41) Methacrylonitrile	7.18	41	82272	24.16	ug/l #	83
42) 1,2-Dichloroethane	8.13	62	219433	21.62	ug/l	99
43) Isopropyl Acetate	8.17	43	304448	22.55	ug/l #	91
44) Trichloroethene	8.84	130	171778	21.01	ug/l	97
45) 1,2-Dichloropropane	9.12	63	177011	21.97	ug/l	98
46) Dibromomethane	9.21	93	110552	22.09	ug/l	99
47) Bromodichloromethane	9.41	83	227688	21.56	ug/l	99
48) Methyl methacrylate	9.20	41	137410	22.89	ug/l	99
49) 1,4-Dioxane	9.20	88	39462	483.01	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	819768	119.63	ug/l	99
52) Toluene	10.16	92	398881	22.21	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	212681	21.34	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	243588	21.39	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	164459	23.09	ug/l	98
56) Ethyl methacrylate	10.43	69	196077	21.53	ug/l	99
57) 1,3-Dichloropropane	10.71	76	265960	22.93	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	409247	96.21	ug/l	99
59) 2-Hexanone	10.75	43	553833	112.89	ug/l	100
60) Dibromochloromethane	10.90	129	174888	22.17	ug/l	98
61) 1,2-Dibromoethane	11.01	107	157115	22.23	ug/l	99
64) Tetrachloroethene	10.63	164	165894	21.55	ug/l	99
65) Chlorobenzene	11.44	112	437653	21.64	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	168088	21.63	ug/l	97
67) Ethyl Benzene	11.51	91	723330	22.27	ug/l	100
68) m/p-Xylenes	11.62	106	560711	45.63	ug/l	100
69) o-Xylene	11.95	106	267590	22.84	ug/l	100
70) Styrene	11.97	104	440436	21.67	ug/l	100
71) Bromoform	12.13	173	123401	21.83	ug/l #	98
73) Isopropylbenzene	12.25	105	718001	22.09	ug/l	100
74) N-amyl acetate	12.07	43	226191	22.77	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	216254	24.00	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	248682	31.94	ug/l #	100
77) Bromobenzene	12.53	156	193140	21.44	ug/l	99
78) n-propylbenzene	12.59	91	821762	22.62	ug/l	100
79) 2-Chlorotoluene	12.68	91	495371	22.00	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	597696	23.38	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	50390	20.52	ug/l	97
82) 4-Chlorotoluene	12.78	91	508355	22.80	ug/l	100
83) tert-Butylbenzene	12.99	119	508220	22.78	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	616232	23.92	ug/l	98
85) sec-Butylbenzene	13.17	105	681307	22.86	ug/l	99
86) p-Isopropyltoluene	13.29	119	583418	23.23	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	336828	22.06	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	328774	22.09	ug/l	98
89) n-Butylbenzene	13.62	91	459499	22.25	ug/l	99
90) Hexachloroethane	13.88	117	98239	17.62	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	338507	22.18	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	34161	23.16	ug/l	98

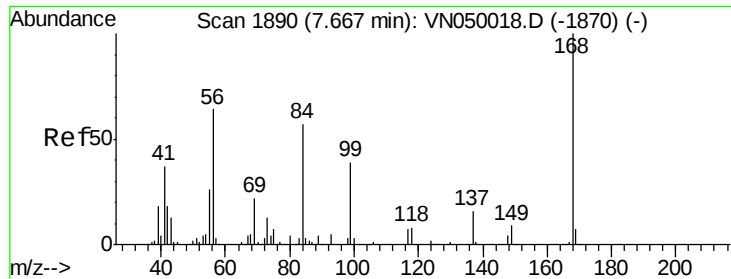
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	177220	23.63	ug/l	99
94) Hexachlorobutadiene	15.01	225	96867	20.73	ug/l	99
95) Naphthalene	15.14	128	414528	24.16	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	178708	23.87	ug/l	99

(#) = 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: VN050332.D

Acq: 4 Aug 2018 00:06

Instrument :

MSVOA_N

ClientSampleId :

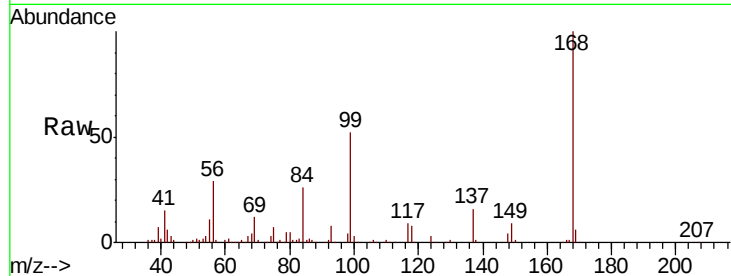
VN0803WBSD03

Tot Ion:168 Resp: 582473

Ion Ratio Lower Upper

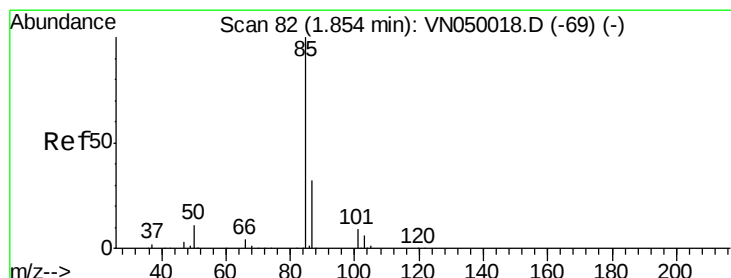
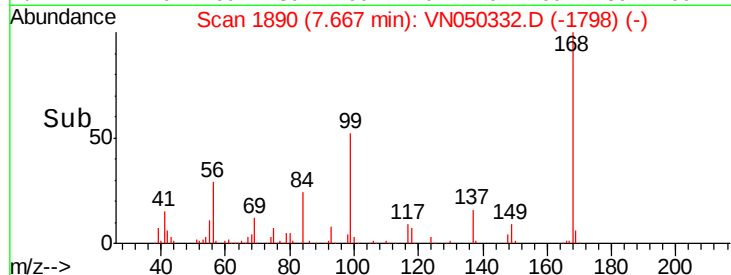
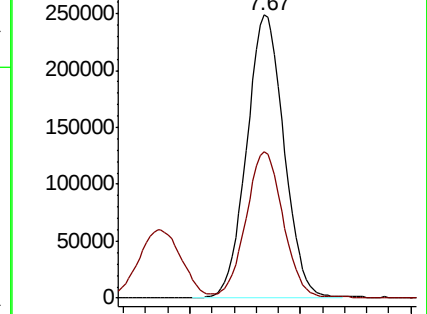
168 100

99 51.1 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 20.13 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050332.D

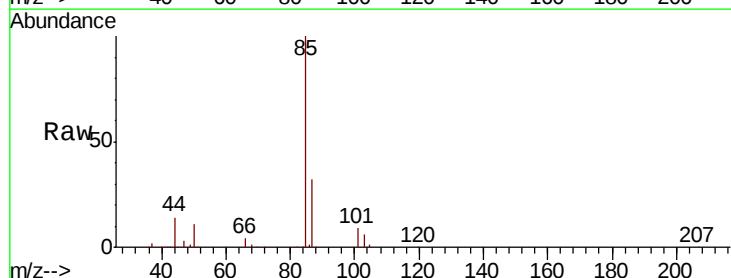
Acq: 4 Aug 2018 00:06

Tgt Ion: 85 Resp: 168489

Ion Ratio Lower Upper

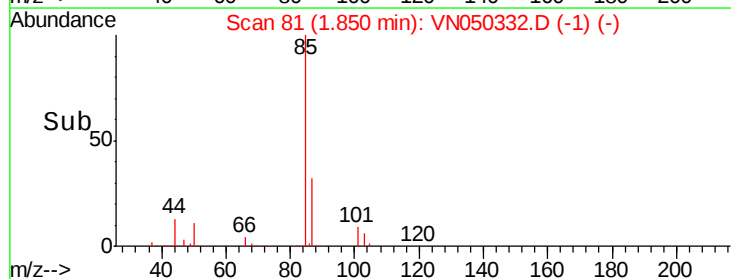
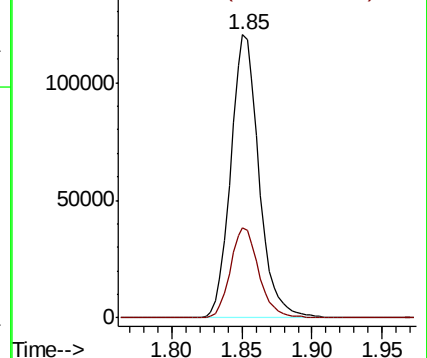
85 100

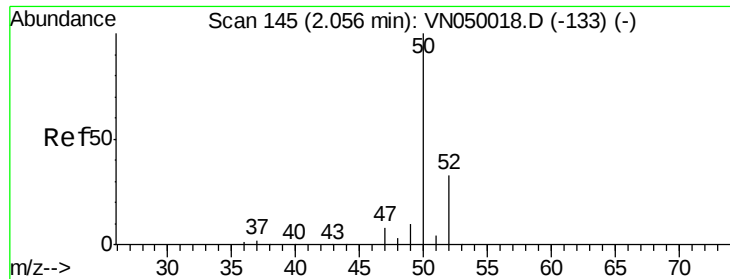
87 32.0 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 18.18 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

Instrument :

MSVOA_N

ClientSampleId :

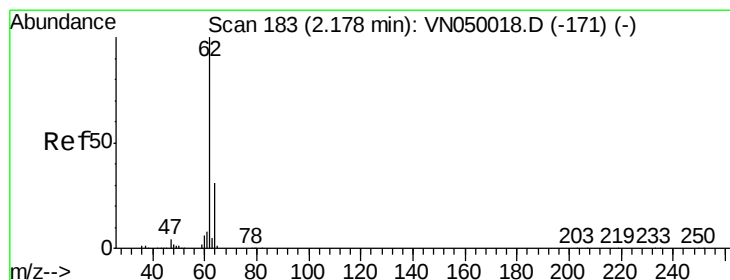
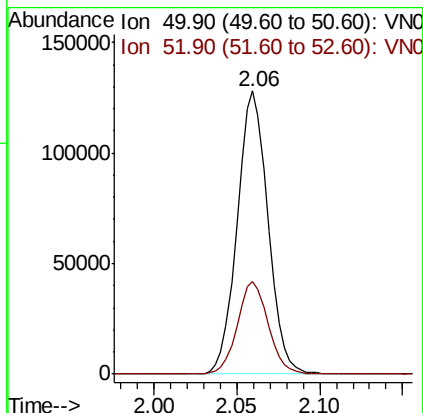
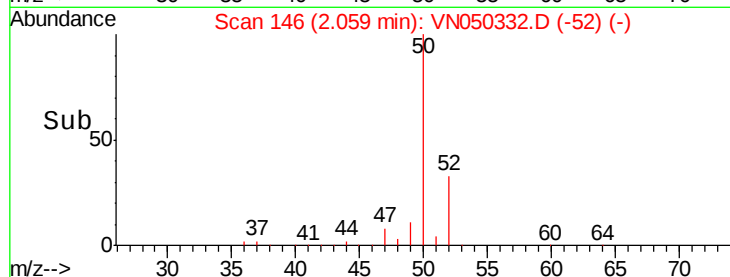
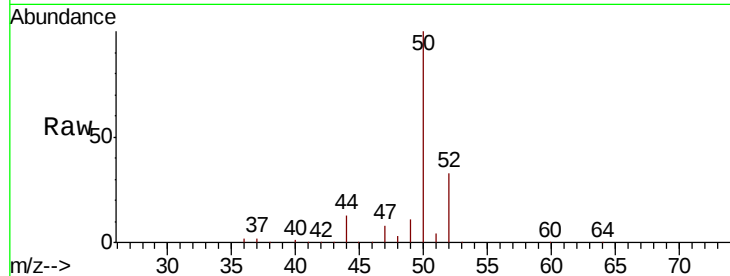
VN0803WBSD03

Tot Ion: 50 Resp: 165348

Ion Ratio Lower Upper

50 100

52 32.9 25.9 38.9



#4

Vinyl Chloride

Concen: 19.43 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050332.D

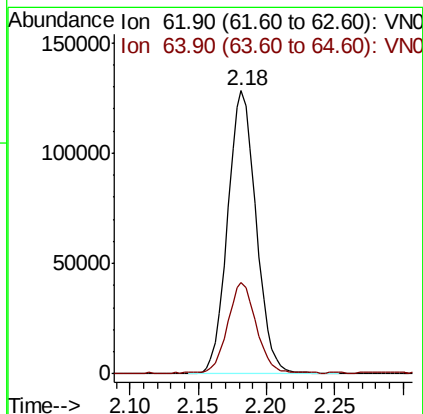
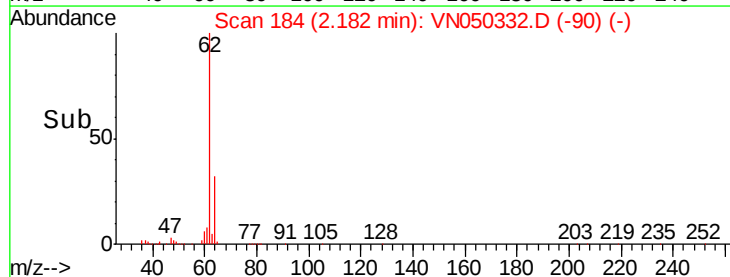
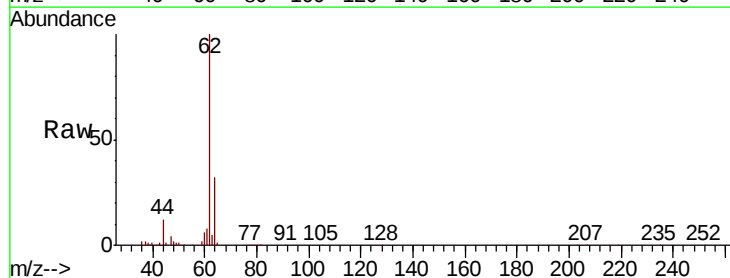
Acq: 4 Aug 2018 00:06

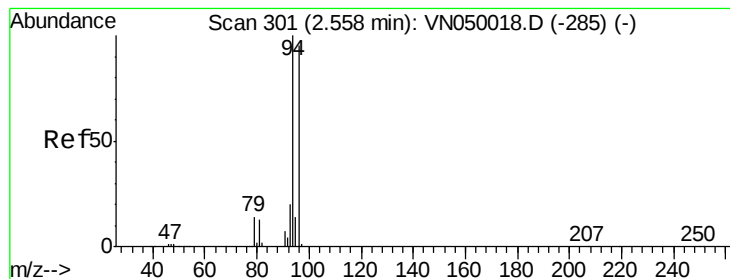
Tgt Ion: 62 Resp: 186164

Ion Ratio Lower Upper

62 100

64 31.8 24.7 37.1





#5

Bromomethane

Concen: 16.07 ug/l

RT: 2.56 min Scan# 302

Delta R.T. 0.01 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

Instrument :

MSVOA_N

ClientSampleId :

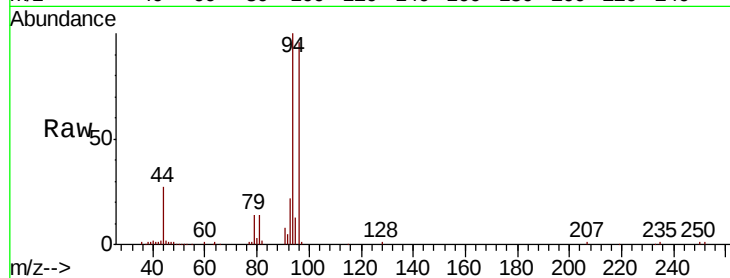
VN0803WBSD03

Tot Ion: 94 Resp: 89113

Ion Ratio Lower Upper

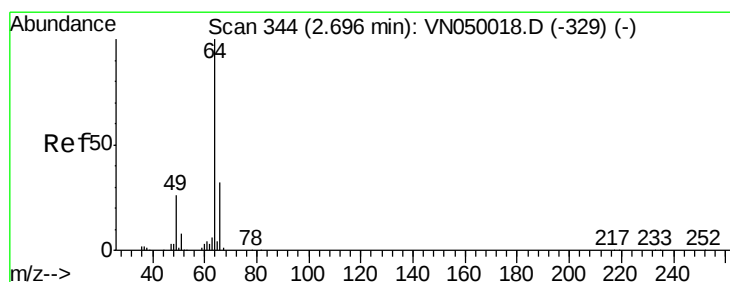
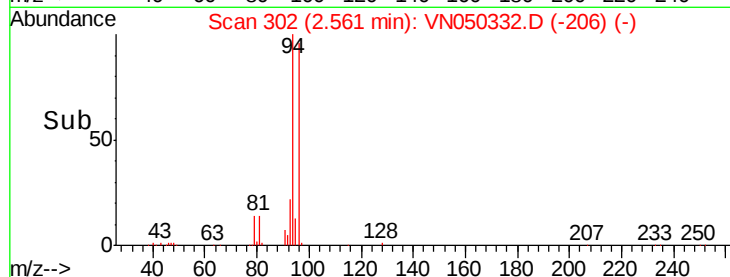
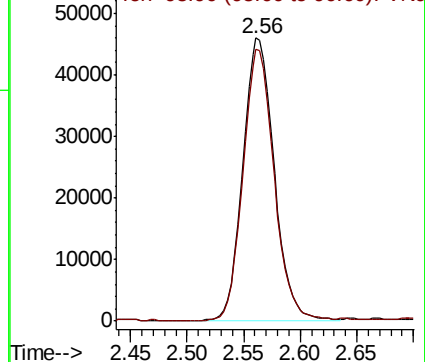
94 100

96 95.8 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.39 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VN050332.D

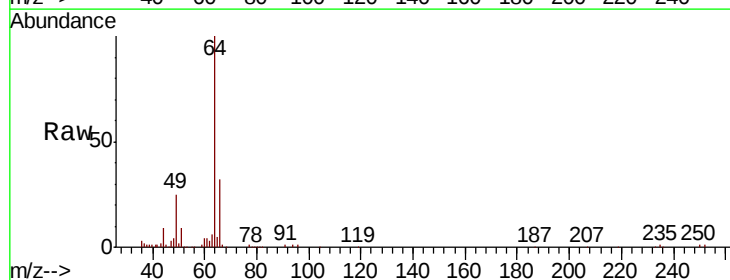
Acq: 4 Aug 2018 00:06

Tgt Ion: 64 Resp: 111543

Ion Ratio Lower Upper

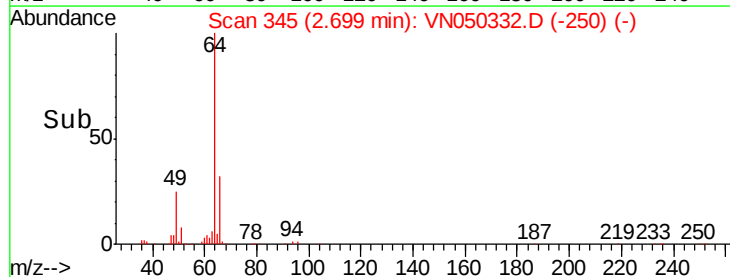
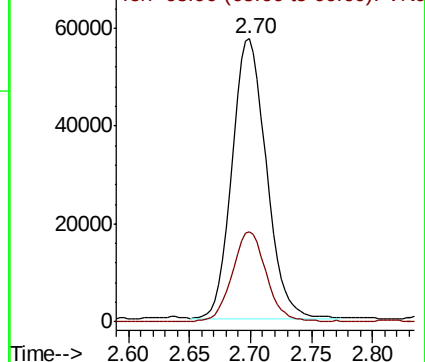
64 100

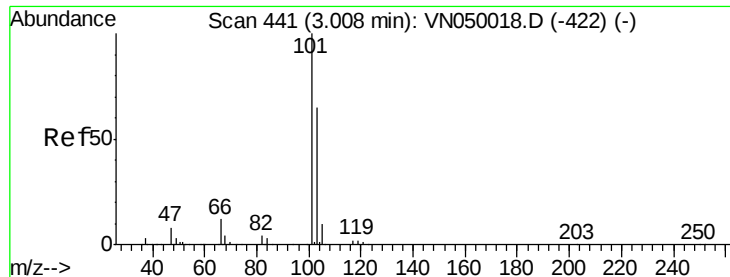
66 32.2 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



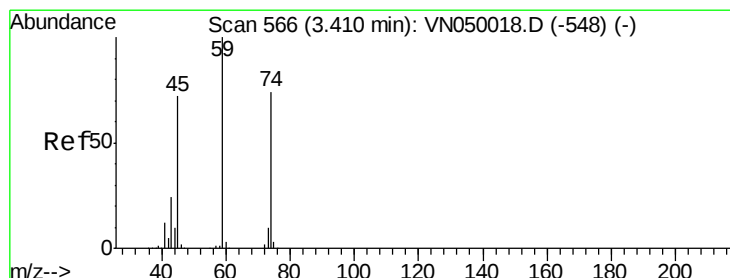
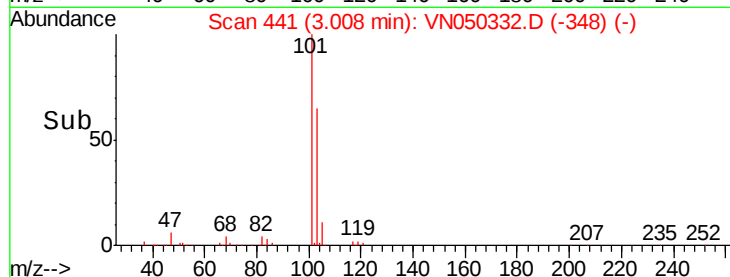
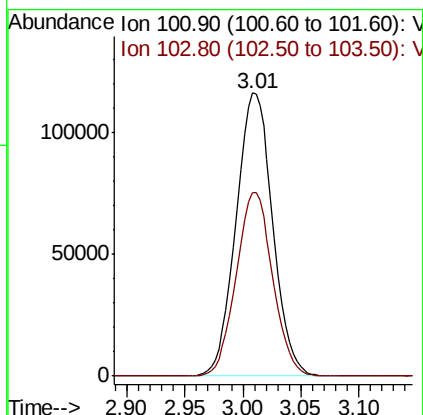
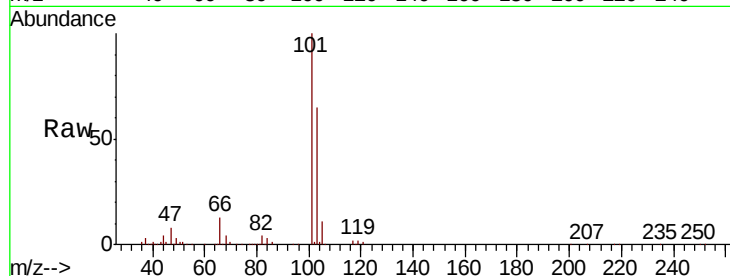


#7

Trichlorofluoromethane
 Concen: 20.53 ug/l
 RT: 3.01 min Scan# 441
 Delta R.T. 0.00 min
 Lab File: VN050332.D
 Acq: 4 Aug 2018 00:06

Instrument :
 MSVOA_N
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 VN0803WBSD03

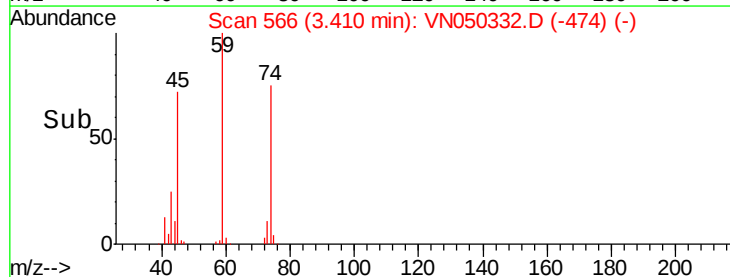
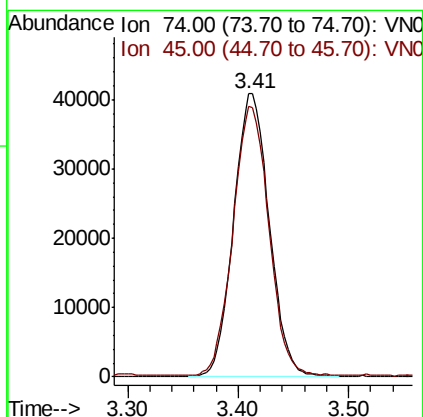
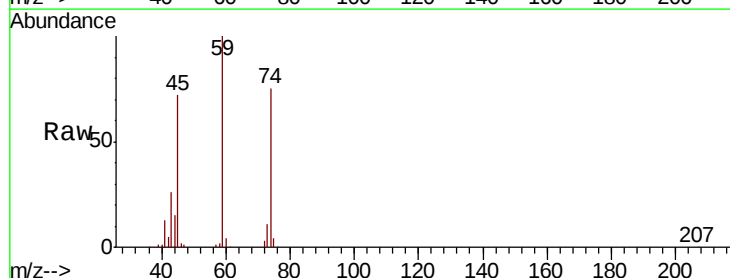
Tot Ion:101 Resp: 254819
 Ion Ratio Lower Upper
 101 100
 103 64.8 51.7 77.5

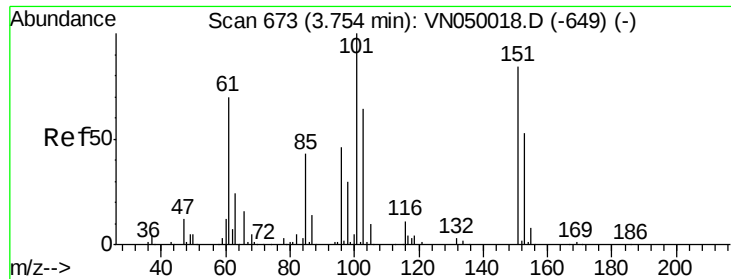


#8

Diethyl Ether
 Concen: 22.12 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: VN050332.D
 Acq: 4 Aug 2018 00:06

Tgt Ion: 74 Resp: 91502
 Ion Ratio Lower Upper
 74 100
 45 95.3 47.6 142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.74 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBSD03

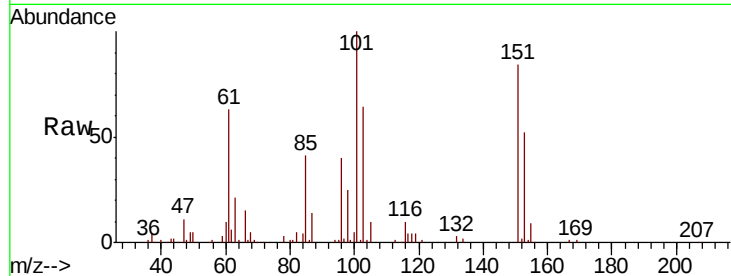
Tot Ion:101 Resp: 154802

Ion Ratio Lower Upper

101 100

85 41.1 34.2 51.2

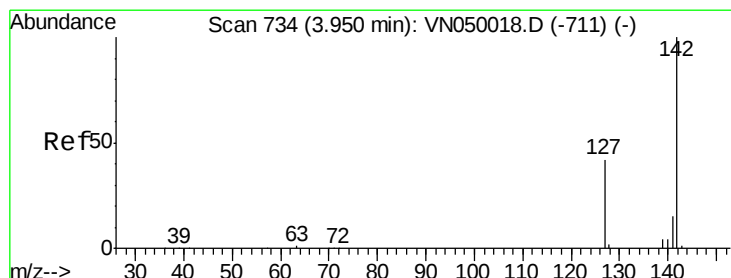
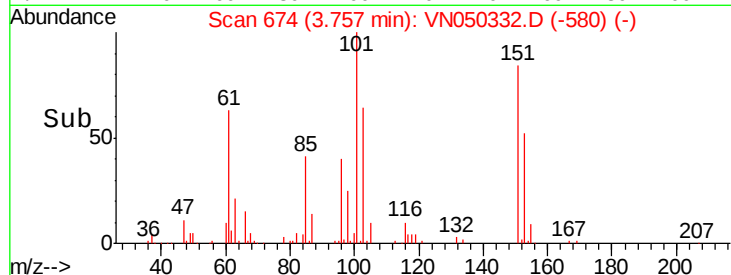
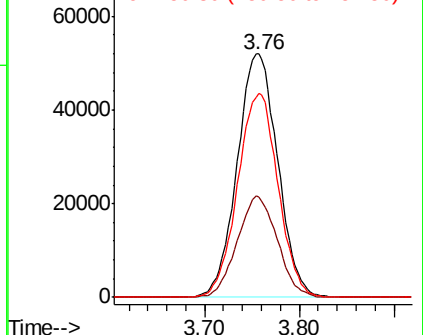
151 83.5 66.3 99.5



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: 9.33 ug/l

RT: 3.95 min Scan# 734

Delta R.T. 0.00 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

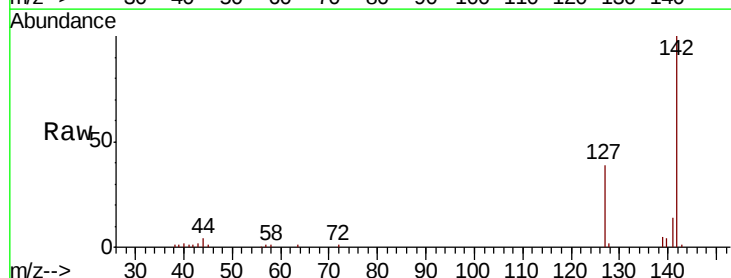
Tgt Ion:142 Resp: 89354

Ion Ratio Lower Upper

142 100

127 39.2 33.4 50.2

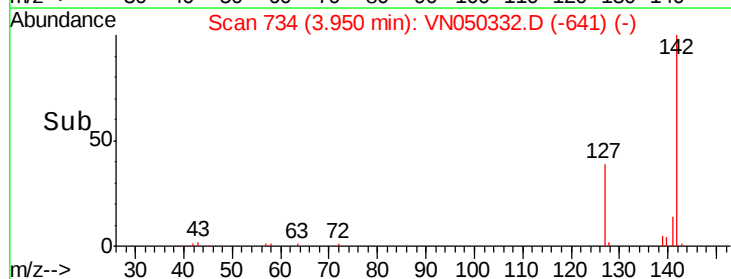
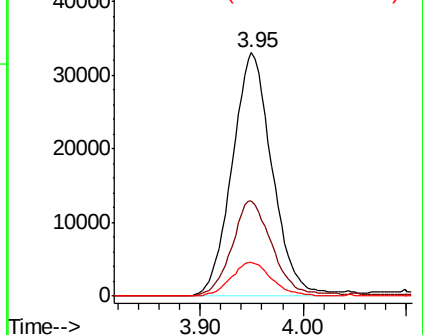
141 13.9 11.6 17.4

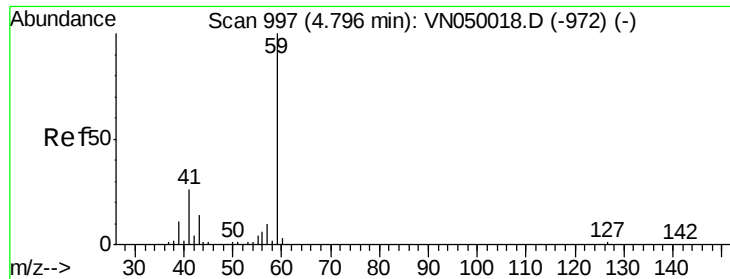


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

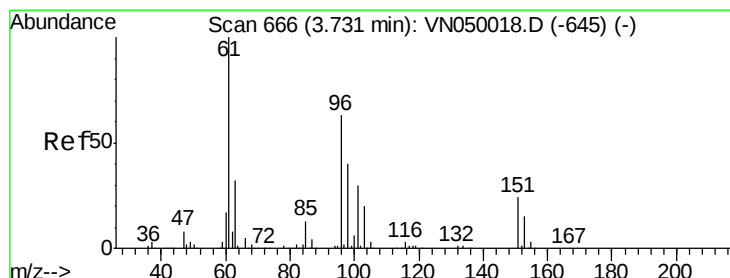
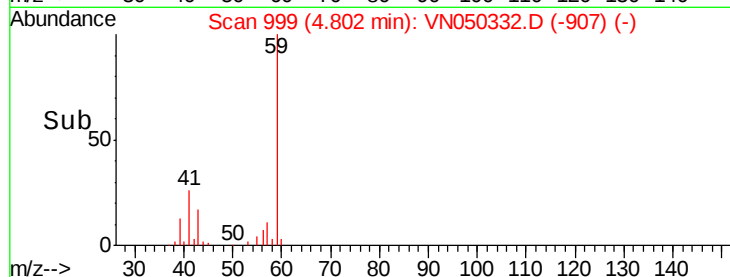
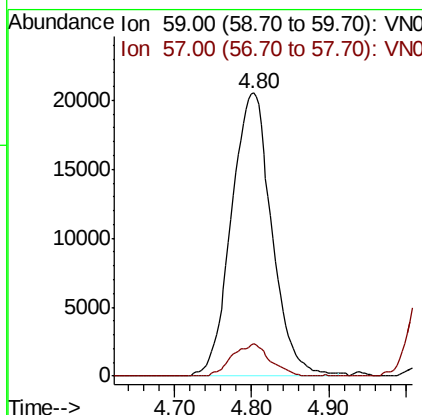
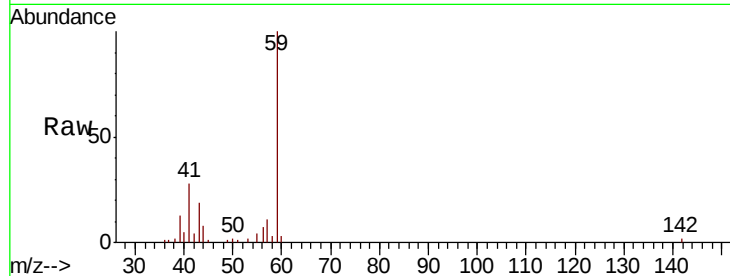




#11
Tert butyl alcohol
Concen: 124.30 ug/l
RT: 4.80 min Scan# 999
Delta R.T. -0.00 min
Lab File: VN050332.D
Acq: 4 Aug 2018 00:06

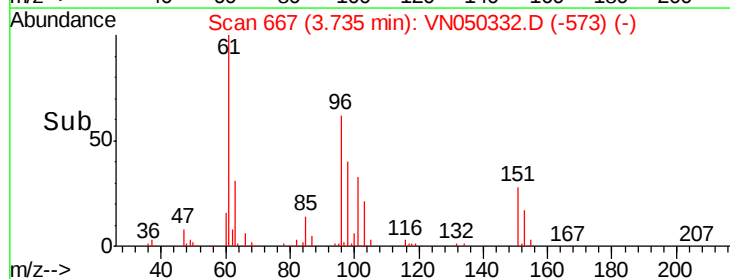
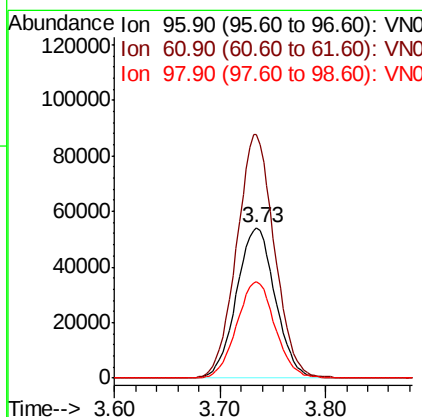
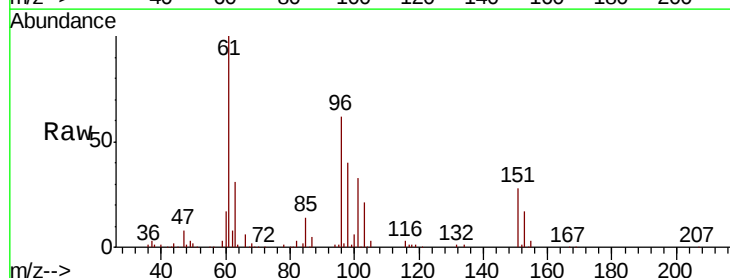
Instrument :
MSVOA_N
ClientSampleId :
VN0803WBSD03

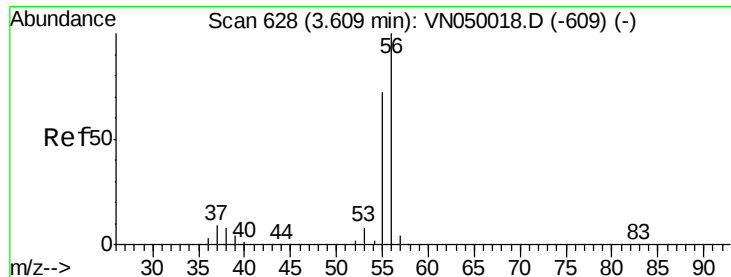
Tot Ion: 59 Resp: 74327
Ion Ratio Lower Upper
59 100
57 10.7 8.5 12.7



#12
1,1-Dichloroethene
Concen: 20.64 ug/l
RT: 3.73 min Scan# 667
Delta R.T. 0.00 min
Lab File: VN050332.D
Acq: 4 Aug 2018 00:06

Tgt Ion: 96 Resp: 138566
Ion Ratio Lower Upper
96 100
61 161.5 124.4 186.6
98 63.8 48.3 72.5





#13

Acrolein

Concen: 151.42 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

Instrument :

MSVOA_N

ClientSampleId :

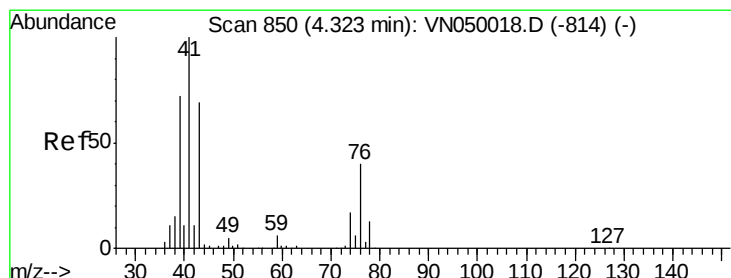
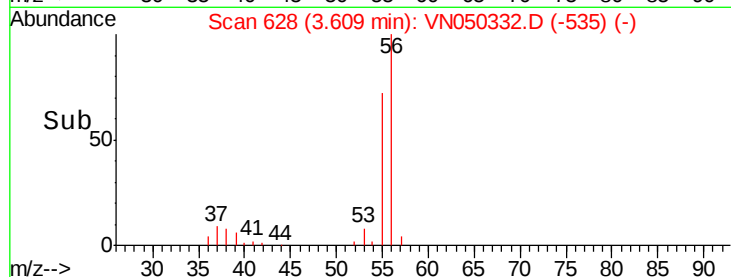
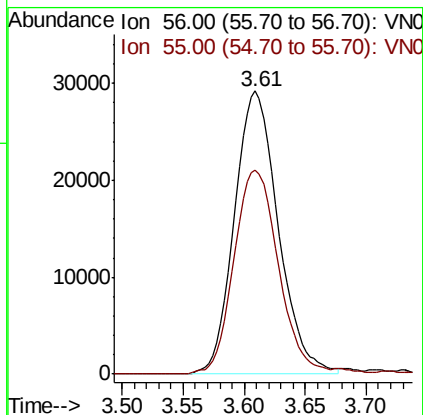
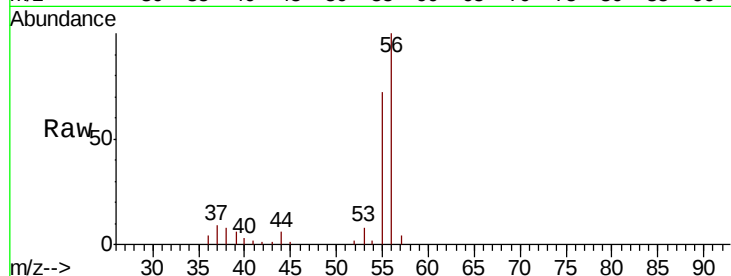
VN0803WBSD03

Tot Ion: 56 Resp: 72748

Ion Ratio Lower Upper

56 100

55 73.0 55.8 83.6



#14

Allyl chloride

Concen: 20.94 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

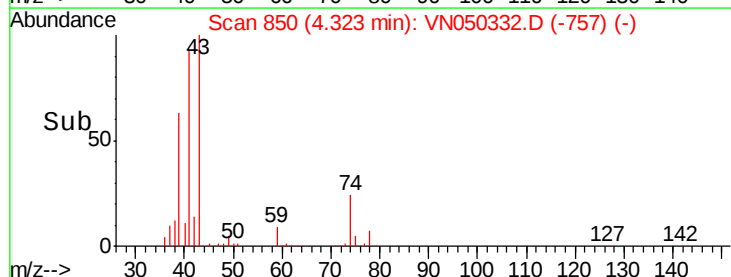
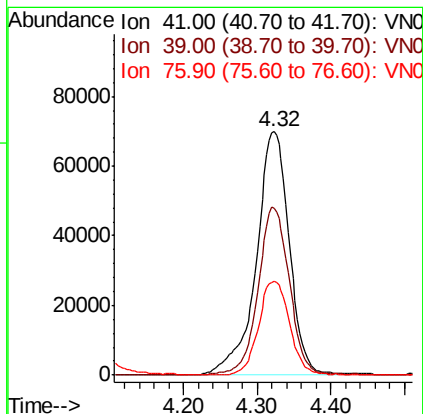
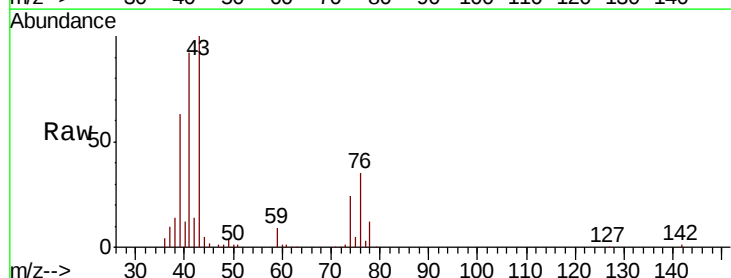
Tgt Ion: 41 Resp: 217968

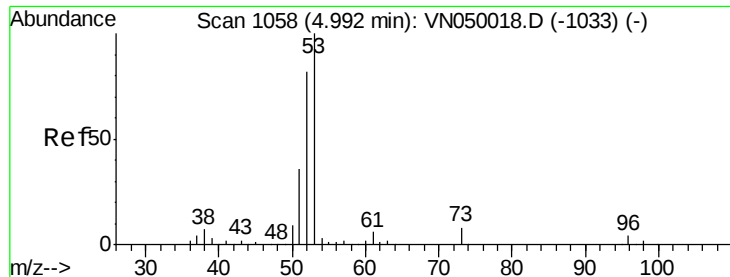
Ion Ratio Lower Upper

41 100

39 65.4 54.2 81.4

76 35.5 29.0 43.6





#15

Acrylonitrile

Concen: 116.30 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBSD03

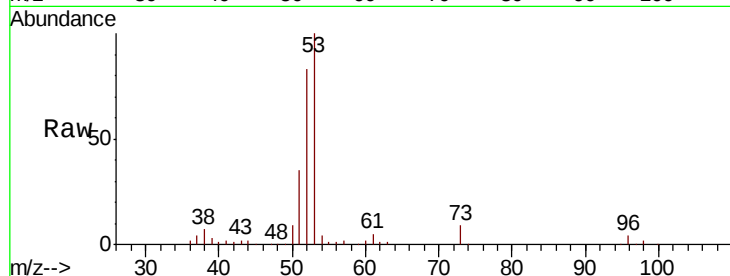
Tot Ion: 53 Resp: 303404

Ion Ratio Lower Upper

53 100

52 82.9 66.2 99.2

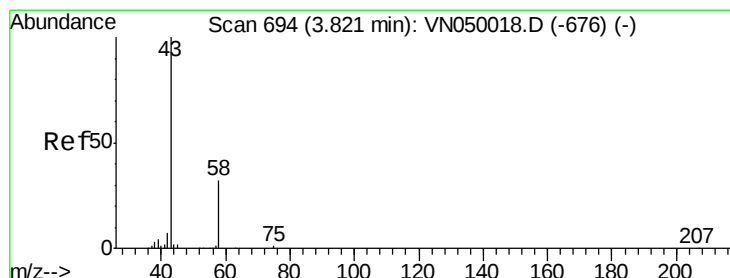
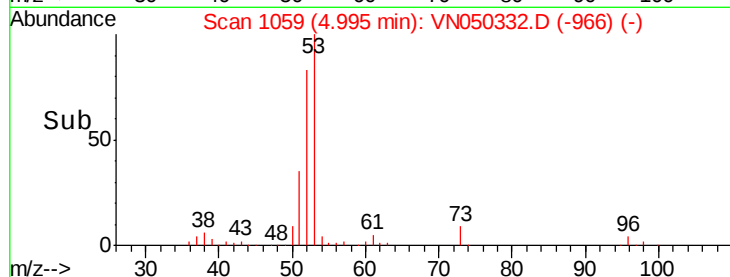
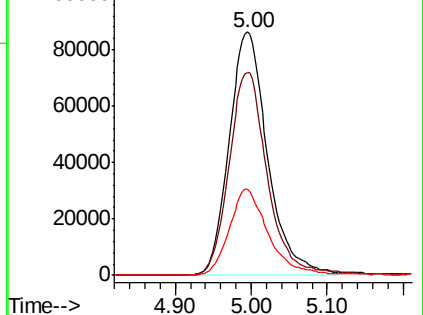
51 36.0 29.3 43.9



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 128.44 ug/l

RT: 3.82 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN050332.D

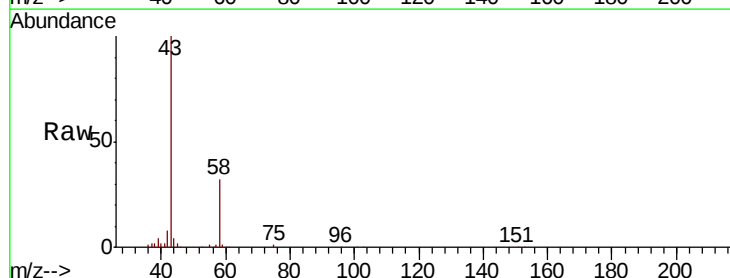
Acq: 4 Aug 2018 00:06

Tgt Ion: 43 Resp: 249913

Ion Ratio Lower Upper

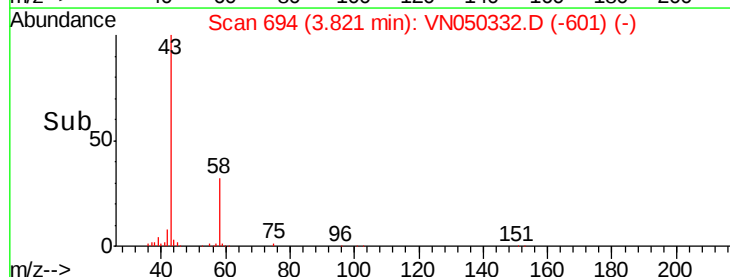
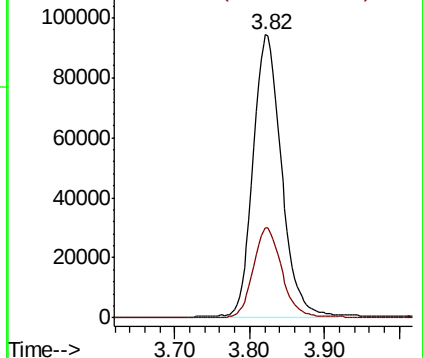
43 100

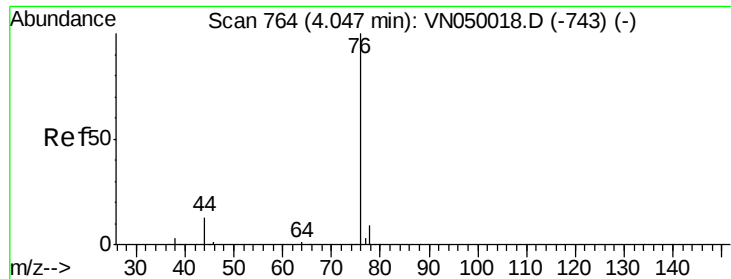
58 31.6 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 17.10 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

Instrument :

MSVOA_N

ClientSampleId :

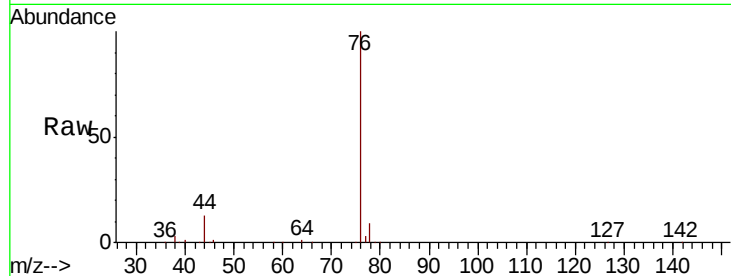
VN0803WBSD03

Tot Ion: 76 Resp: 351643

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.05

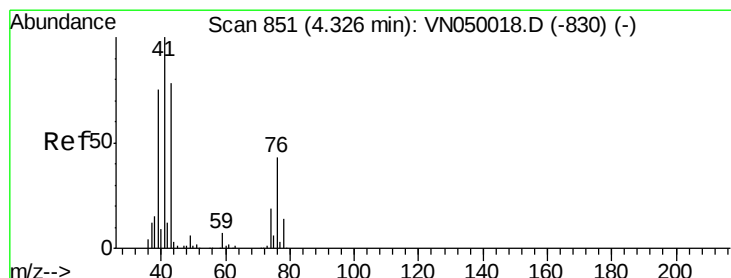
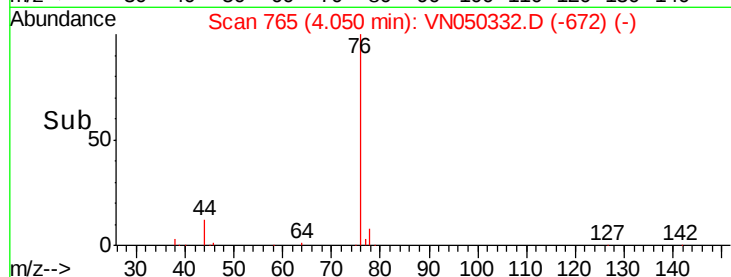
150000

100000

50000

0

Time--> 3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 29.78 ug/l

RT: 4.33 min Scan# 852

Delta R.T. -0.00 min

Lab File: VN050332.D

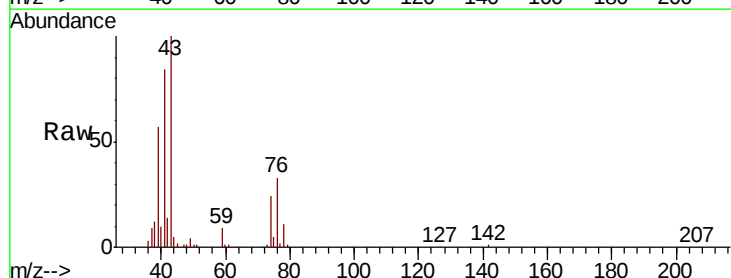
Acq: 4 Aug 2018 00:06

Tgt Ion: 43 Resp: 226602

Ion Ratio Lower Upper

43 100

74 24.7 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

80000

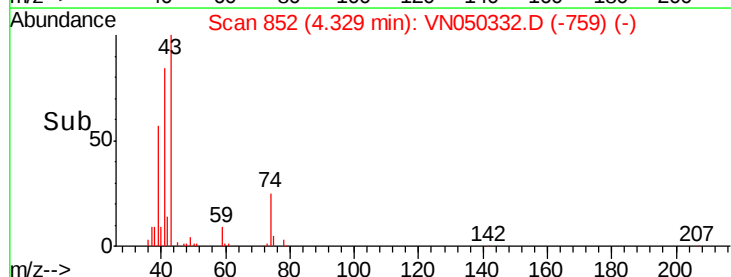
60000

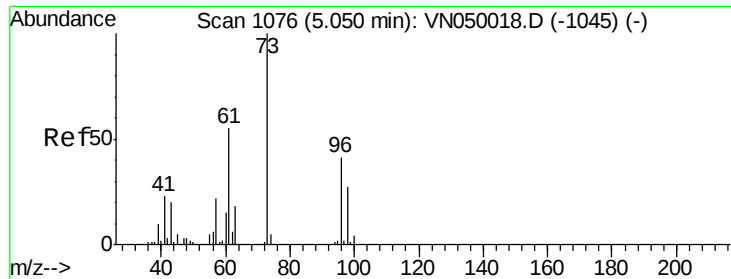
40000

20000

0

Time--> 4.20 4.30 4.40

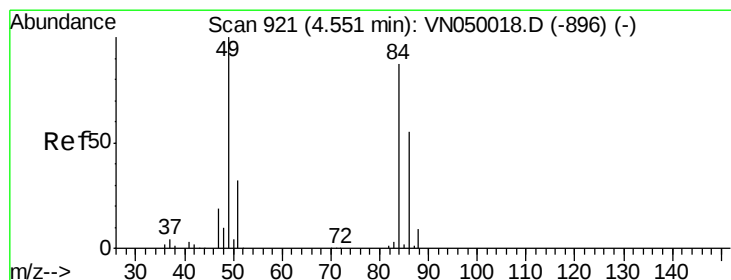
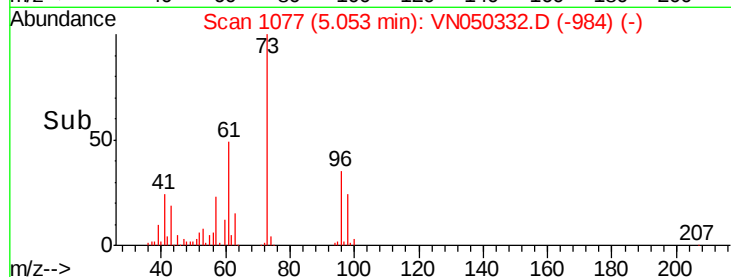
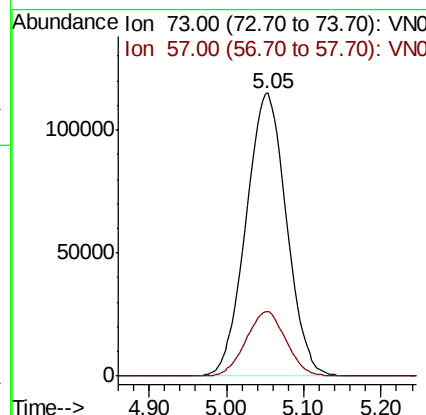
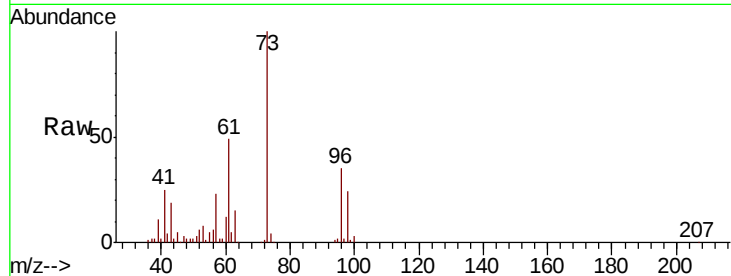




#19
Methyl tert-butyl Ether
Concen: 23.45 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN050332.D
Acq: 4 Aug 2018 00:06

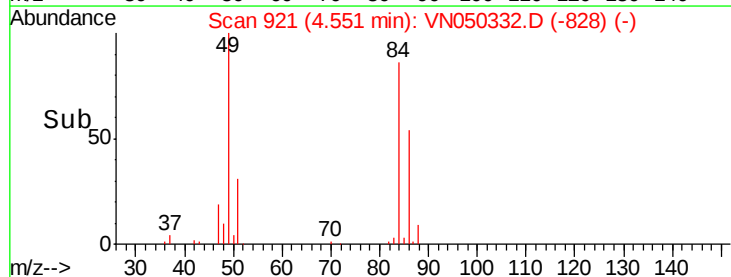
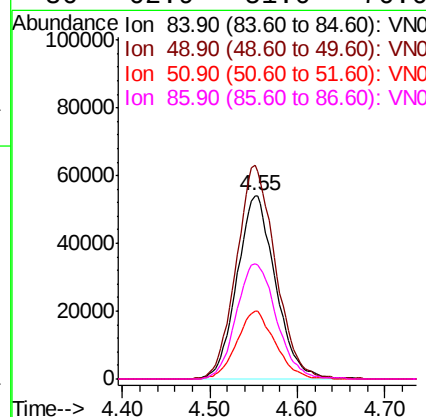
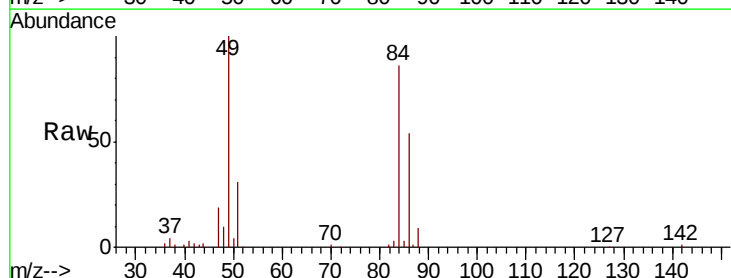
Instrument :
MSVOA_N
ClientSampleId :
VN0803WBSD03

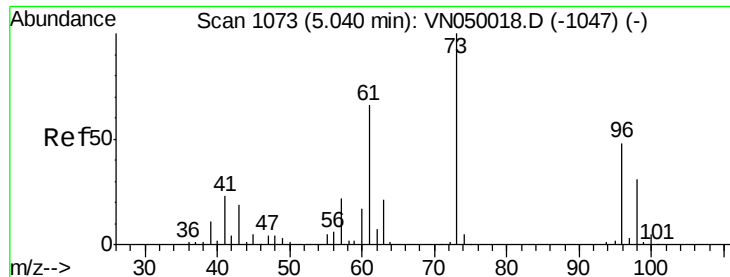
Tot Ion: 73 Resp: 419495
Ion Ratio Lower Upper
73 100
57 23.0 18.0 27.0



#20
Methylene Chloride
Concen: 22.16 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050332.D
Acq: 4 Aug 2018 00:06

Tgt Ion: 84 Resp: 164716
Ion Ratio Lower Upper
84 100
49 116.0 94.8 142.2
51 36.6 28.3 42.5
86 62.9 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 20.72 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBSD03

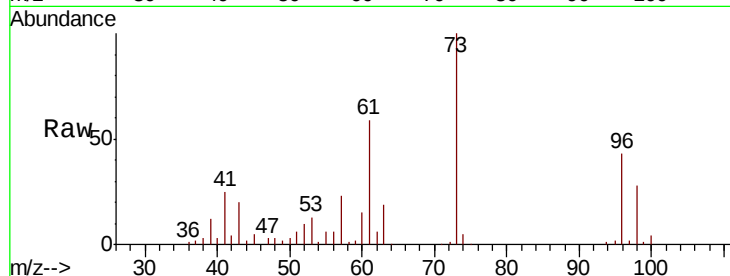
Tot Ion: 96 Resp: 147364

Ion Ratio Lower Upper

96 100

61 137.5 110.7 166.1

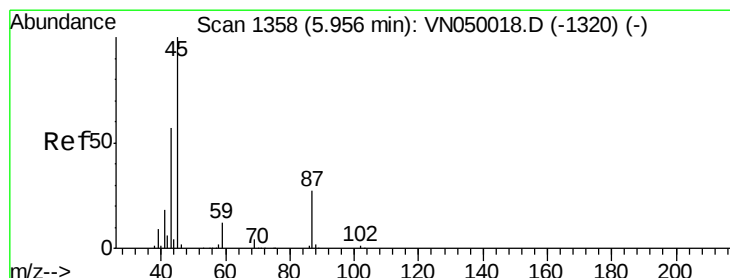
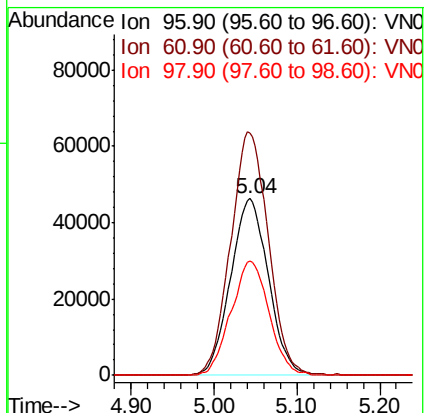
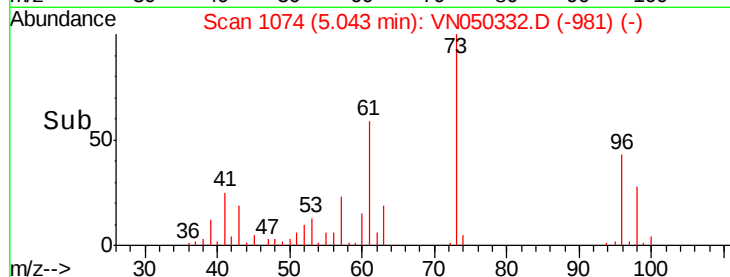
98 64.8 51.6 77.4



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: 24.13 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

Tgt Ion: 45 Resp: 498112

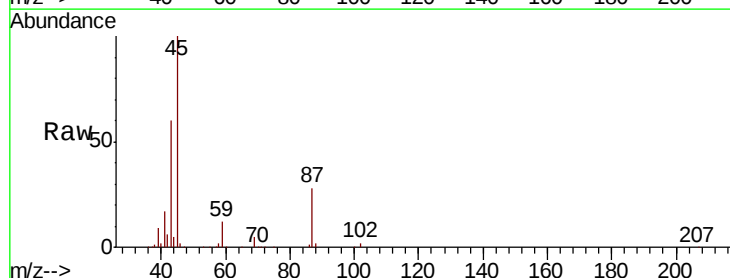
Ion Ratio Lower Upper

45 100

43 59.1 45.7 68.5

87 27.7 22.7 34.1

59 11.3 9.5 14.3

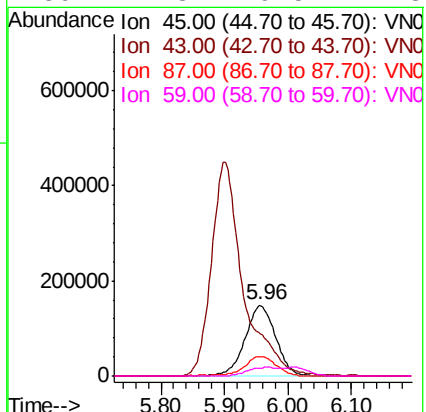
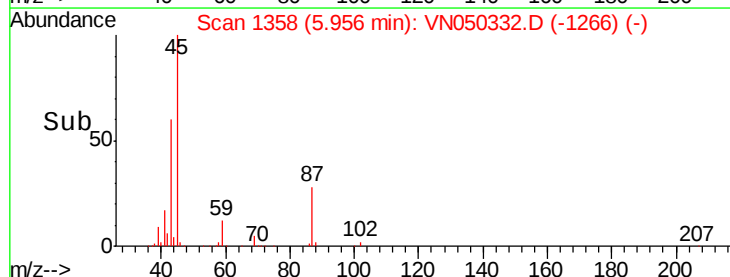


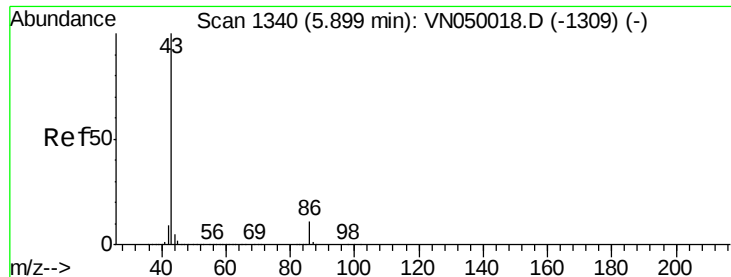
Abundance Ion 45.00 (44.70 to 45.70): VN0

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: 107.01 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

Instrument :

MSVOA_N

ClientSampleId :

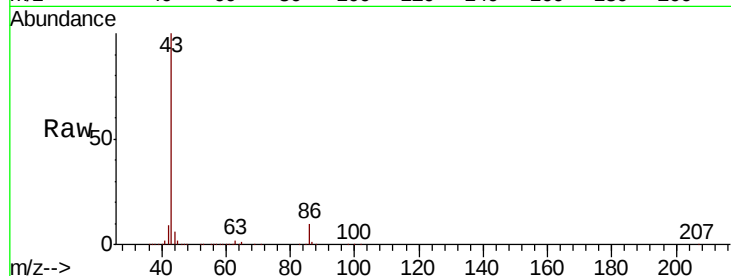
VN0803WBSD03

Tot Ion: 43 Resp: 1560831

Ion Ratio Lower Upper

43 100

86 10.5 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

400000

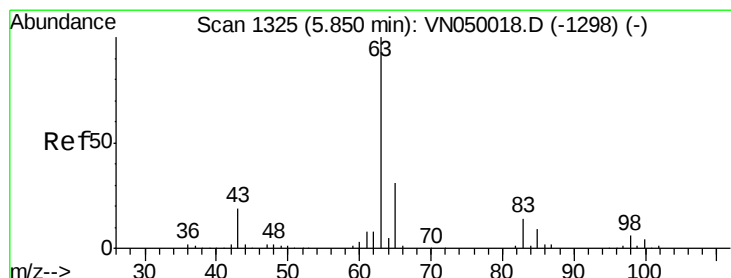
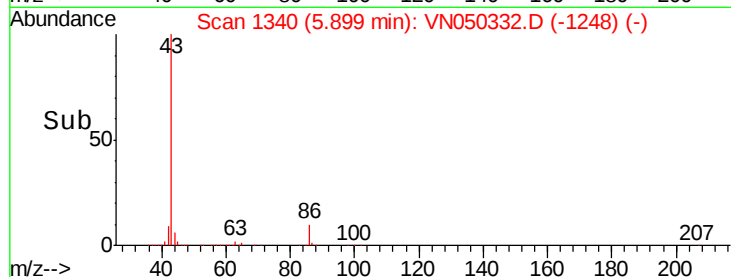
300000

200000

100000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 22.17 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

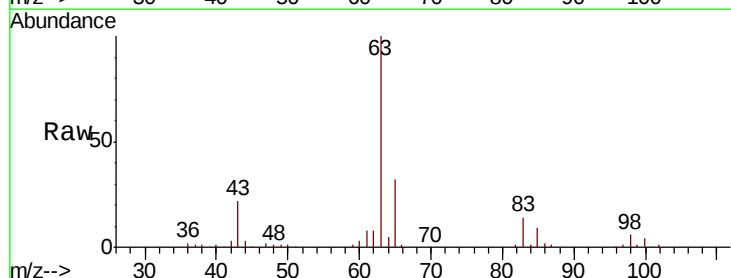
Tgt Ion: 63 Resp: 299222

Ion Ratio Lower Upper

63 100

98 6.3 3.3 9.8

100 4.2 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

120000

100000

80000

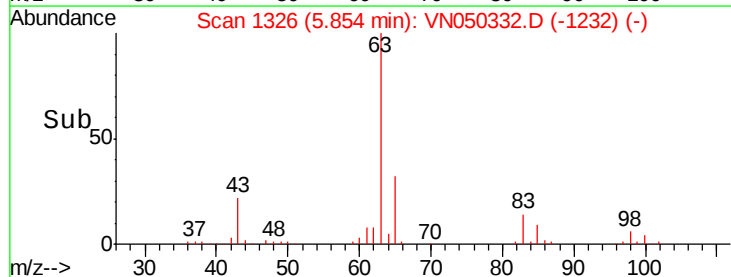
60000

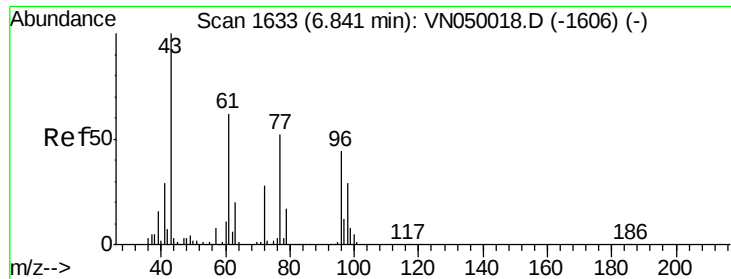
40000

20000

0

Time--> 5.70 5.80 5.90





#25

2-Butanone

Concen: 118.28 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

Instrument :

MSVOA_N

ClientSampleId :

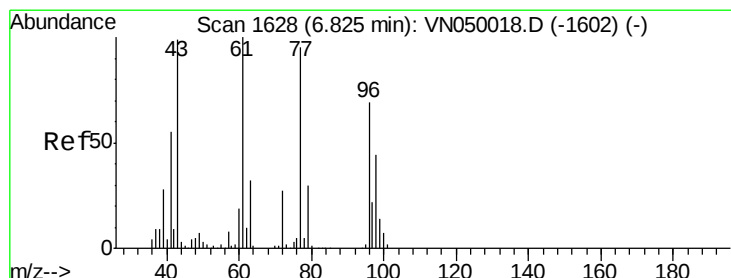
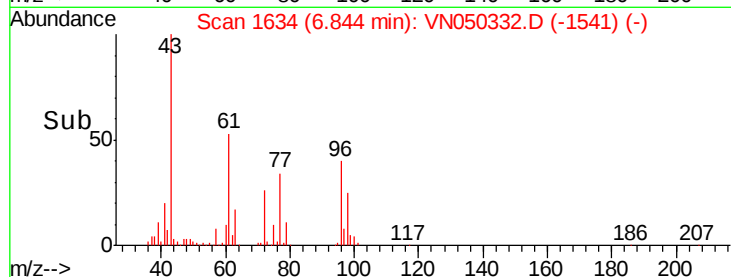
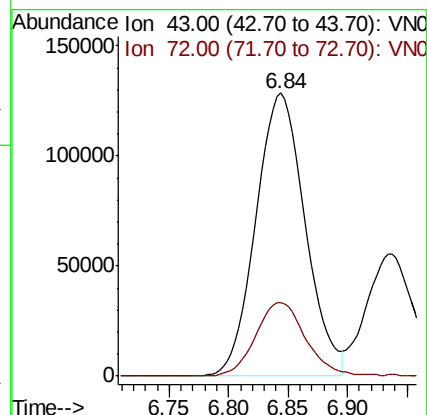
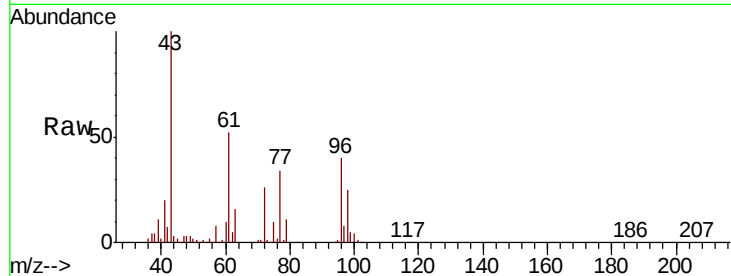
VN0803WBSD03

Tot Ion: 43 Resp: 366660

Ion Ratio Lower Upper

43 100

72 26.1 21.5 32.3



#26

2,2-Dichloropropane

Concen: 17.58 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VN050332.D

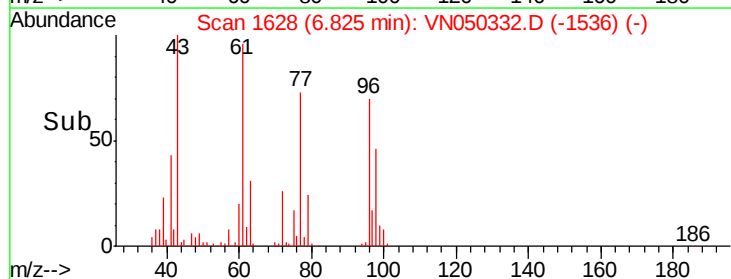
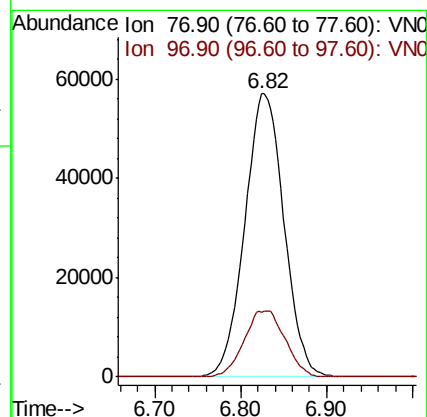
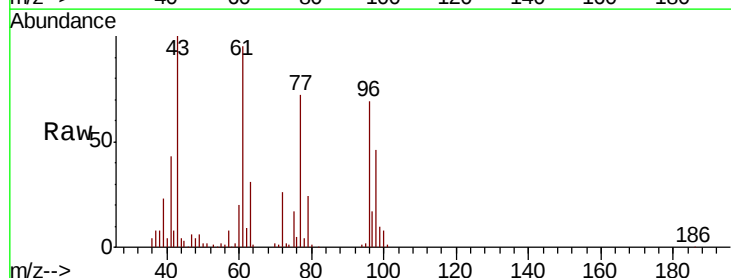
Acq: 4 Aug 2018 00:06

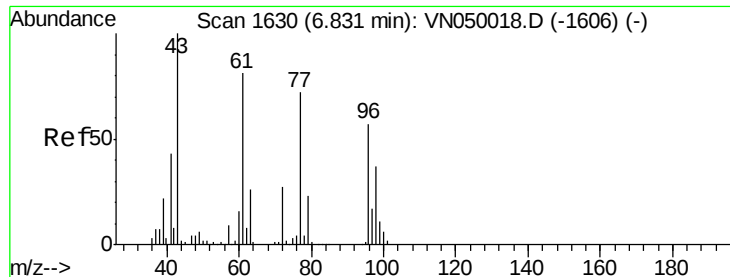
Tgt Ion: 77 Resp: 180520

Ion Ratio Lower Upper

77 100

97 24.3 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 22.62 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

Instrument :

MSVOA_N

ClientSampled :

VN0803WBSD03

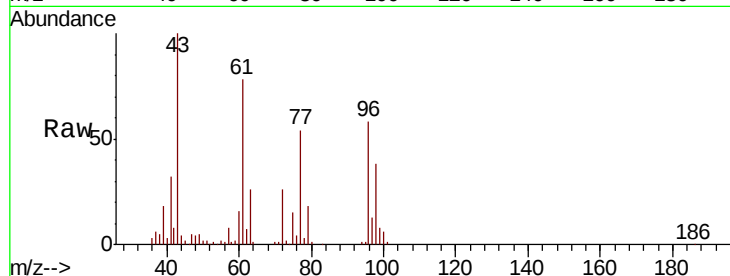
Tot Ion: 96 Resp: 173229

Ion Ratio Lower Upper

96 100

61 139.1 0.0 285.0

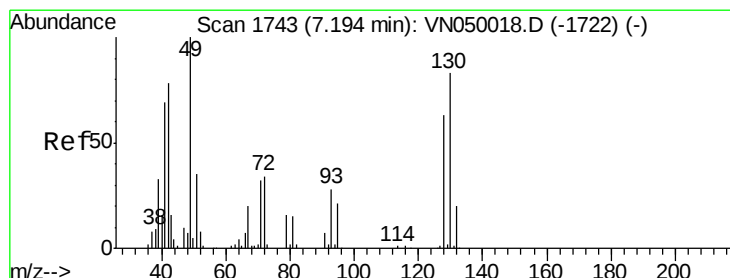
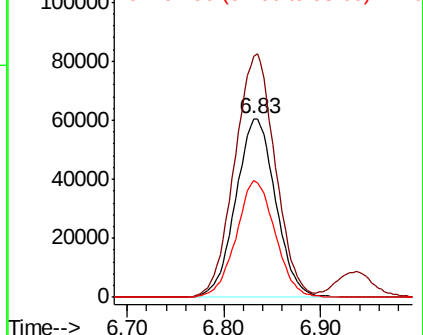
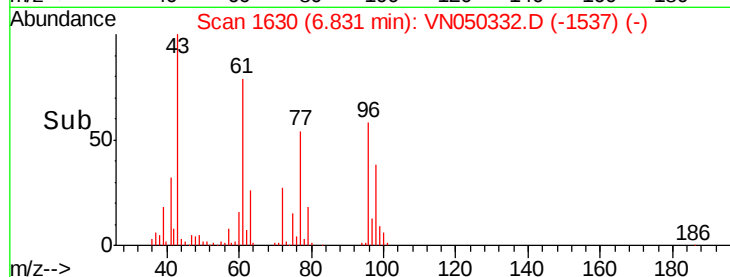
98 63.8 0.0 129.2



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: 21.21 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

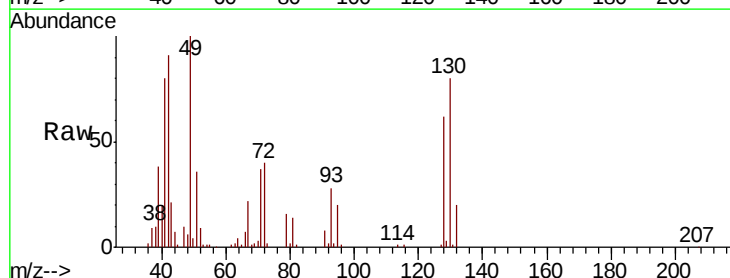
Tgt Ion: 49 Resp: 130551

Ion Ratio Lower Upper

49 100

129 2.5 0.0 4.0

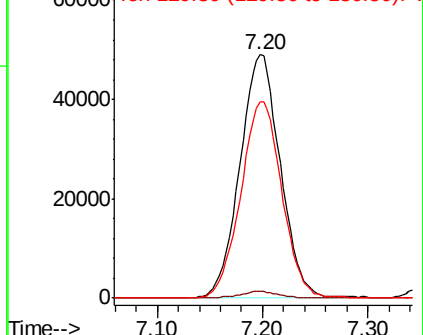
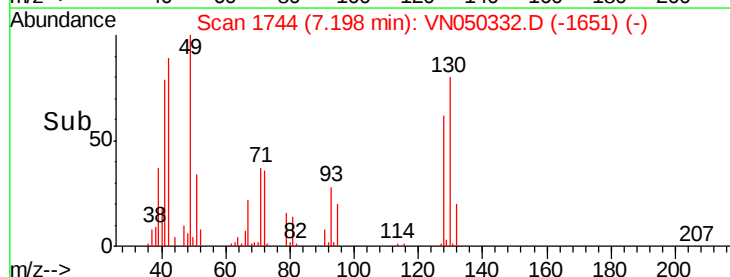
130 82.0 66.3 99.5

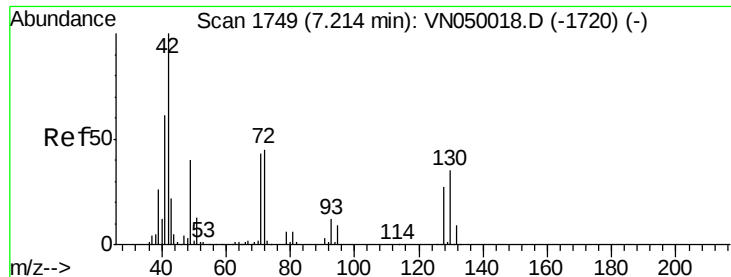


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

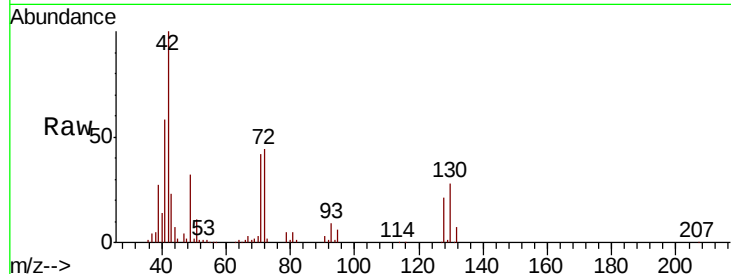




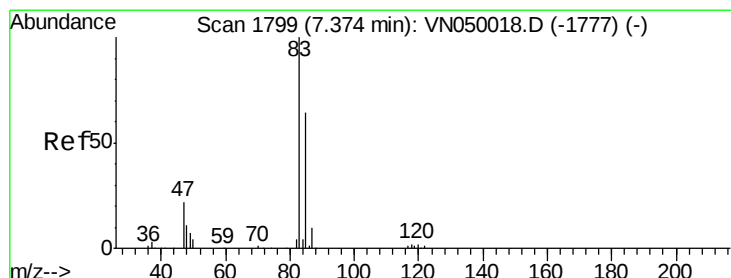
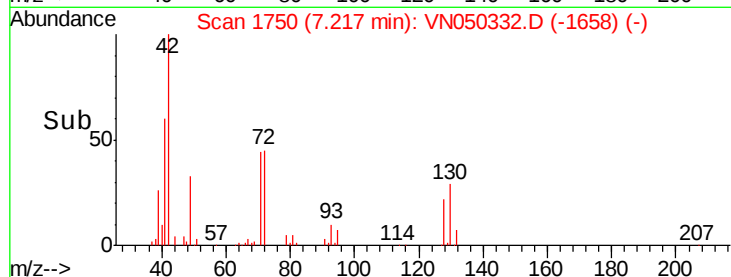
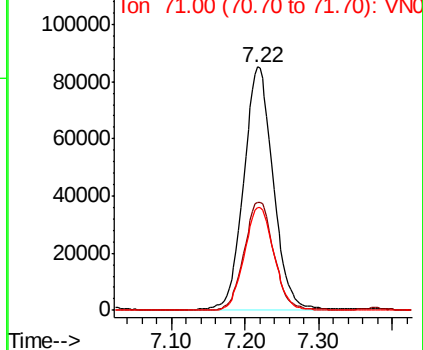
#29
Tetrahydrofuran
Concen: 117.77 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VN050332.D
Acq: 4 Aug 2018 00:06

Instrument :
MSVOA_N
ClientSampled :
VN0803WBSD03

Tot Ion: 42 Resp: 235894
Ion Ratio Lower Upper
42 100
72 45.4 35.9 53.9
71 42.7 33.7 50.5

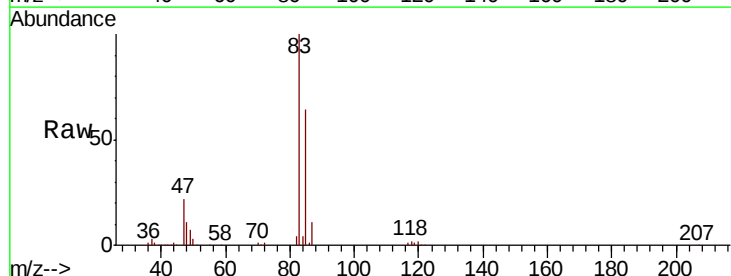


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

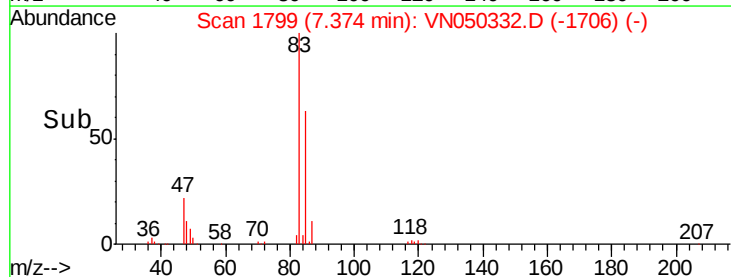
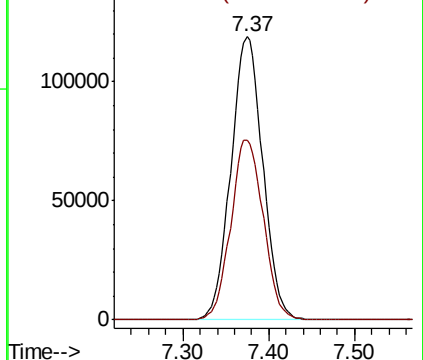


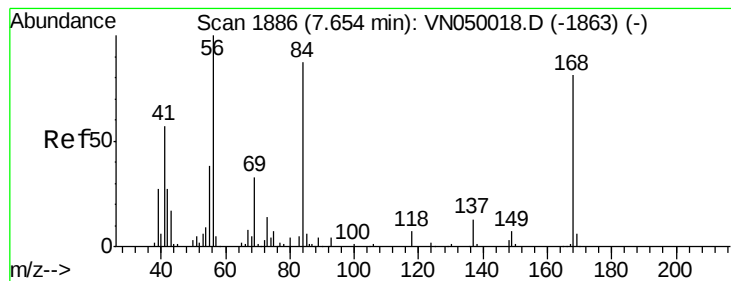
#30
Chloroform
Concen: 22.22 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050332.D
Acq: 4 Aug 2018 00:06

Tgt Ion: 83 Resp: 306101
Ion Ratio Lower Upper
83 100
85 63.7 52.5 78.7



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 20.15 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

Instrument :

MSVOA_N

ClientSampleID :

VN0803WBSD03

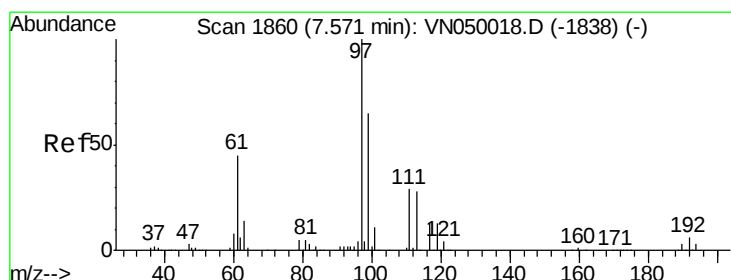
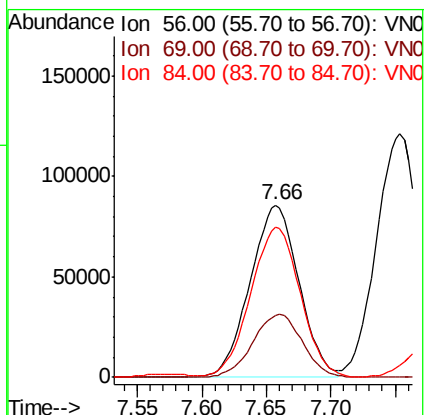
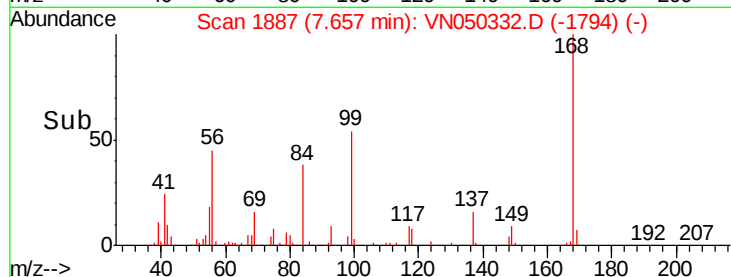
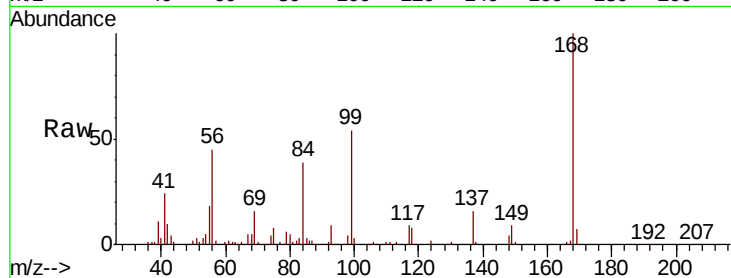
Tot Ion: 56 Resp: 226008

Ion Ratio Lower Upper

56 100

69 36.1 26.2 39.4

84 85.9 67.4 101.0



#32

1,1,1-Trichloroethane

Concen: 21.60 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

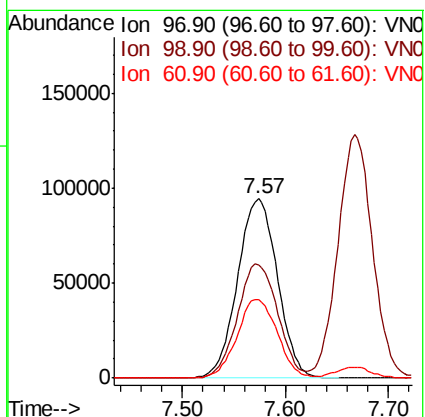
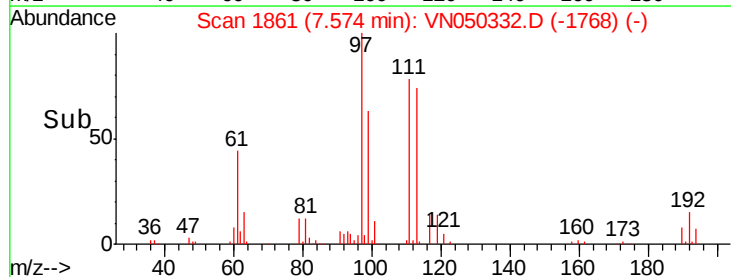
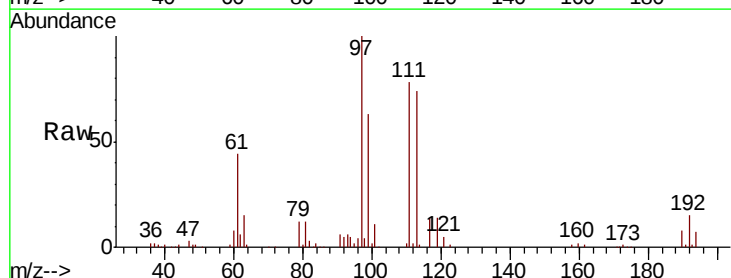
Tgt Ion: 97 Resp: 254470

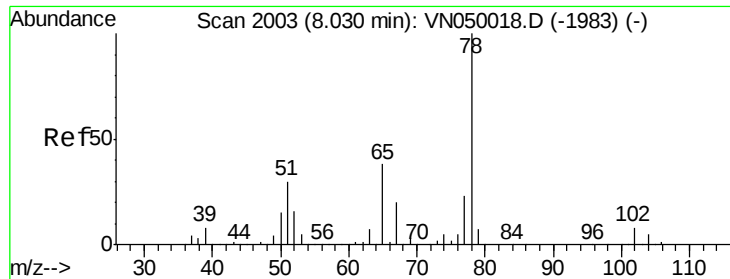
Ion Ratio Lower Upper

97 100

99 64.3 51.4 77.0

61 44.3 35.4 53.0





#33

1,2-Dichloroethane-d4

Concen: 49.60 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

Instrument :

MSVOA_N

ClientSampleId :

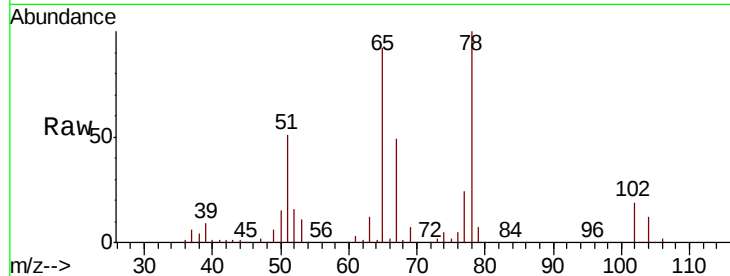
VN0803WBSD03

Tot Ion: 65 Resp: 403092

Ion Ratio Lower Upper

65 100

67 53.5 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.03

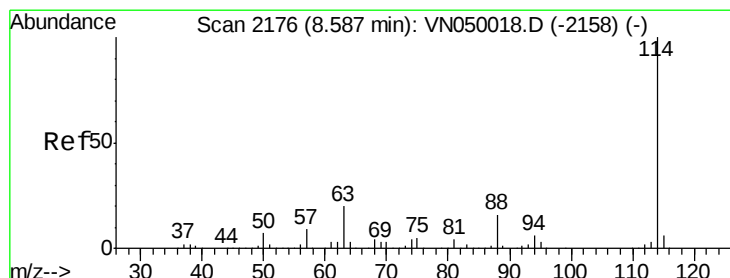
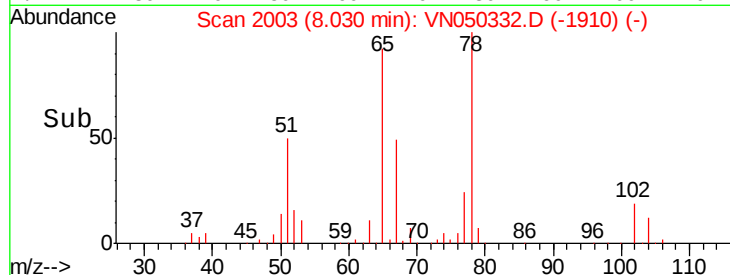
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

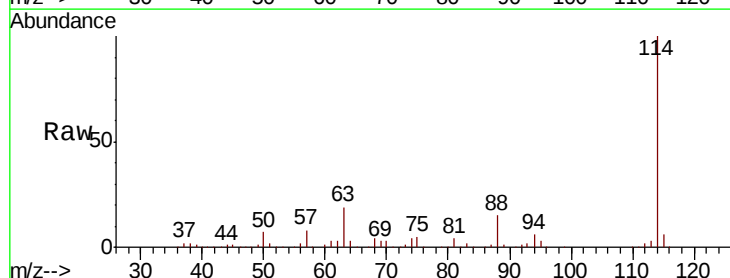
Tgt Ion: 114 Resp: 887438

Ion Ratio Lower Upper

114 100

63 19.4 0.0 40.0

88 15.4 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

8.59

500000

400000

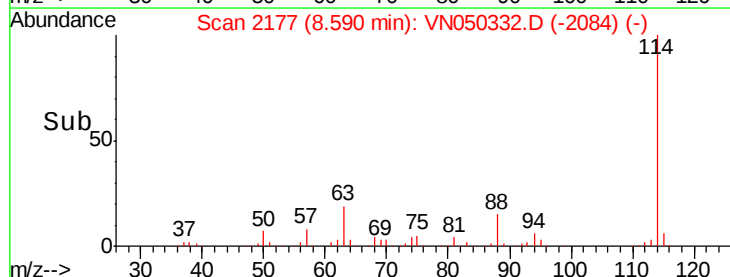
300000

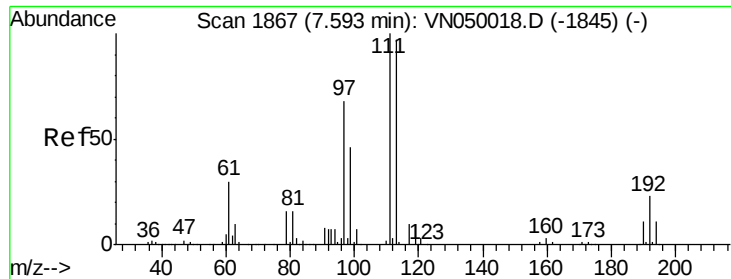
200000

100000

0

Time-->

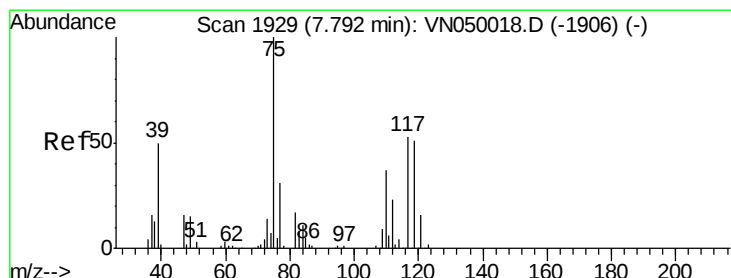
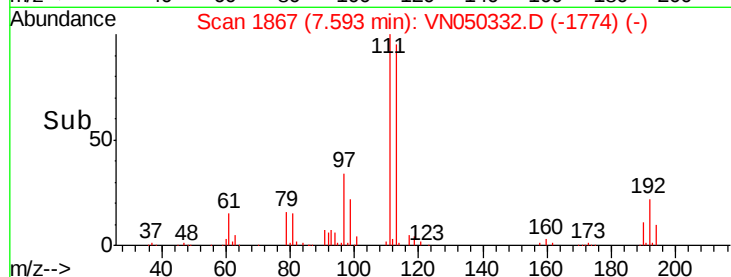
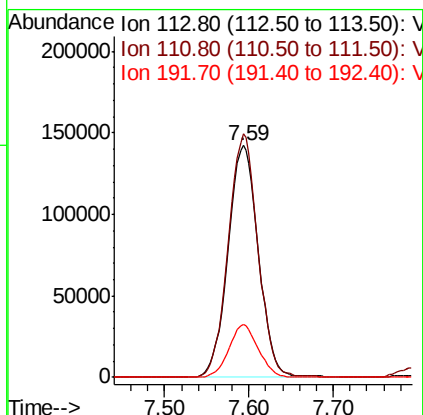
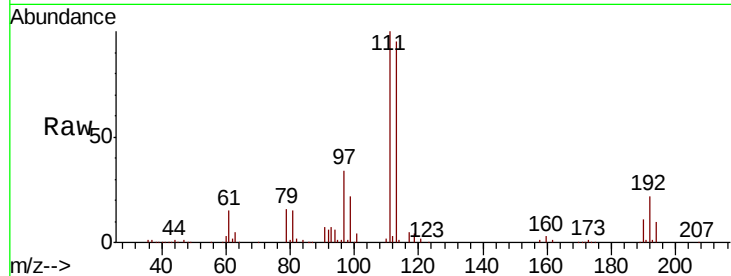




#35
 Dibromofluoromethane
 Concen: 49.15 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050332.D
 Acq: 4 Aug 2018 00:06

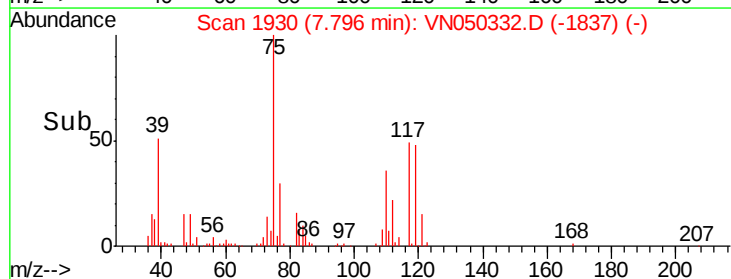
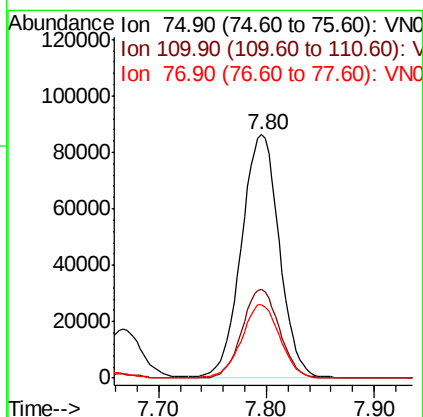
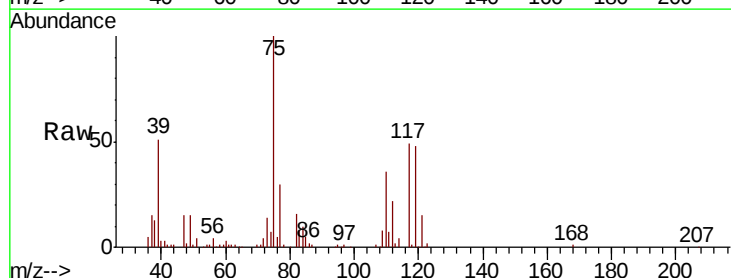
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBSD03

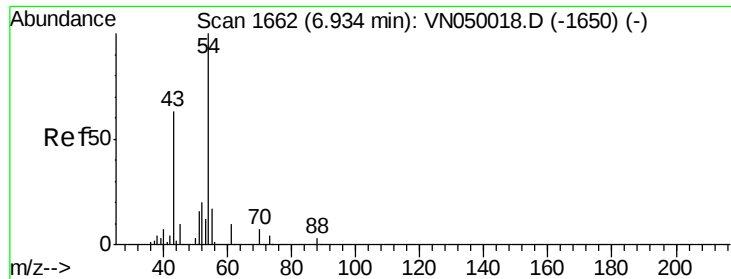
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	80.7	121.1
192	21.9	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 20.95 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050332.D
 Acq: 4 Aug 2018 00:06

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.1	18.4	55.2
77	30.8	25.3	37.9

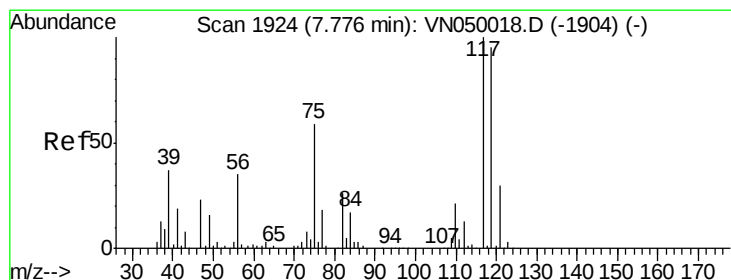
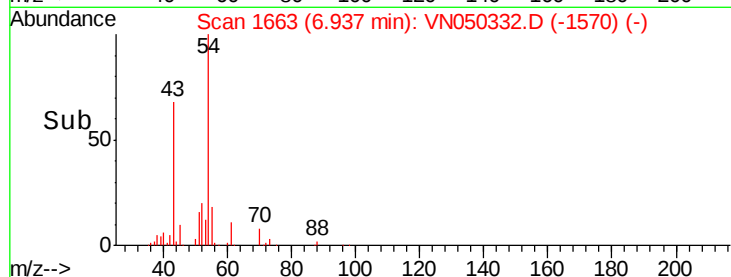
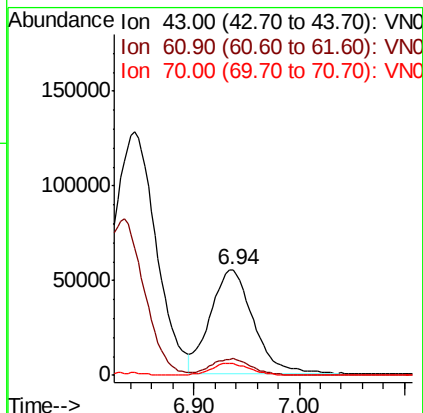
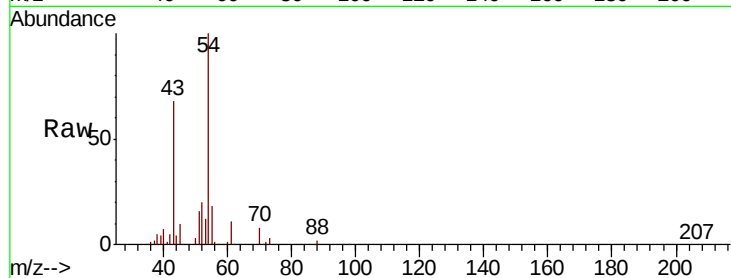




#37
Ethyl Acetate
Concen: 22.21 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN050332.D
Acq: 4 Aug 2018 00:06

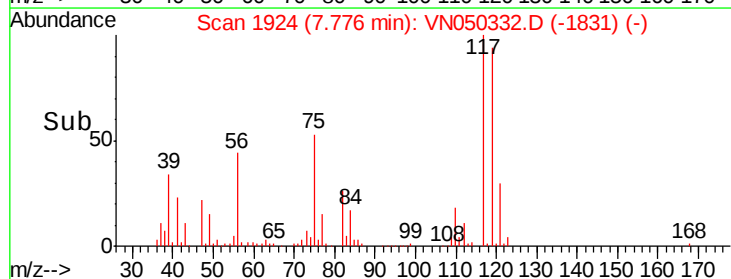
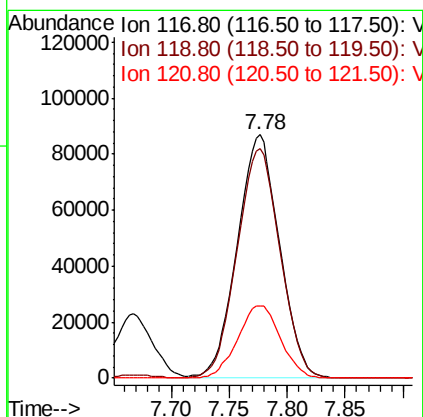
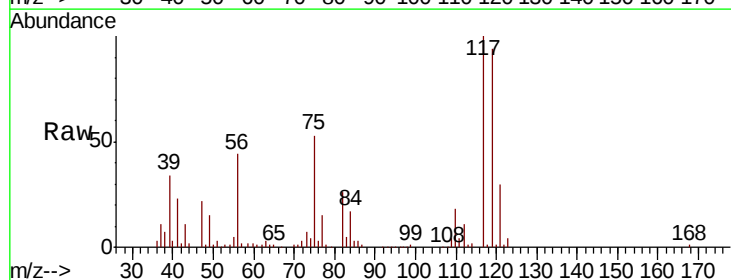
Instrument :
MSVOA_N
ClientSampleId :
VN0803WBSD03

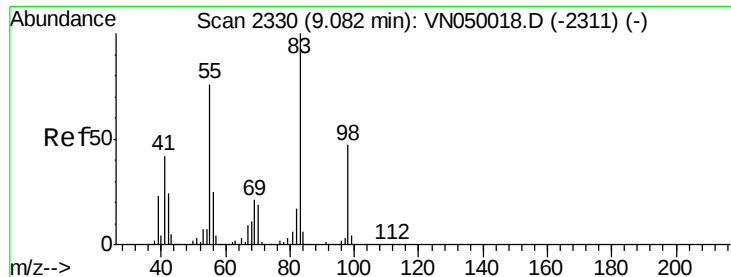
Tot Ion: 43 Resp: 154831
Ion Ratio Lower Upper
43 100
61 15.1 11.8 17.8
70 10.6 8.4 12.6



#38
Carbon Tetrachloride
Concen: 20.71 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050332.D
Acq: 4 Aug 2018 00:06

Tgt Ion: 117 Resp: 219664
Ion Ratio Lower Upper
117 100
119 94.1 77.4 116.0
121 29.6 23.9 35.9

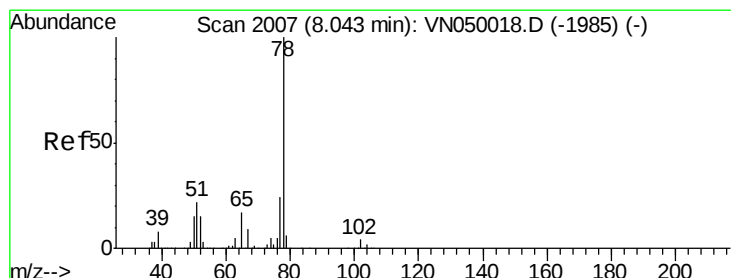
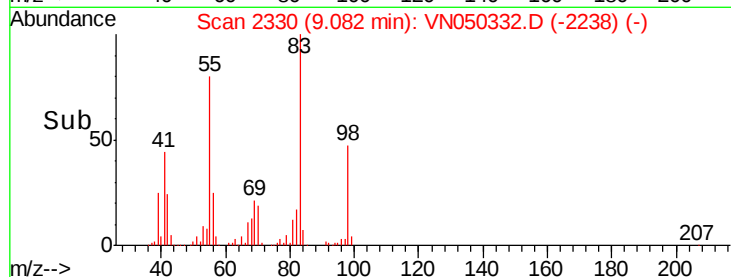
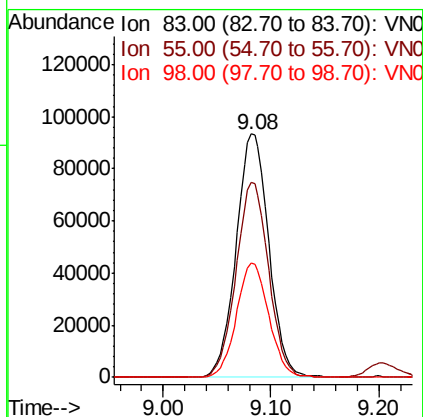
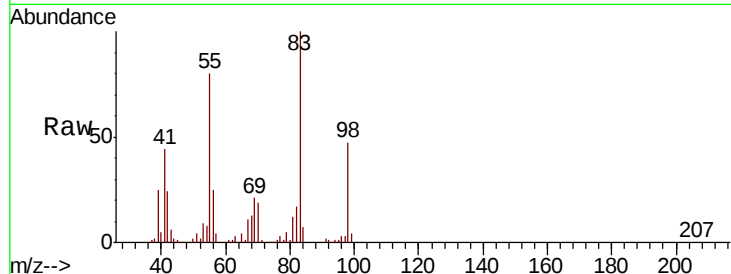




#39
Methvlcvclohexane
Concen: 19.13 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050332.D
Acq: 4 Aug 2018 00:06

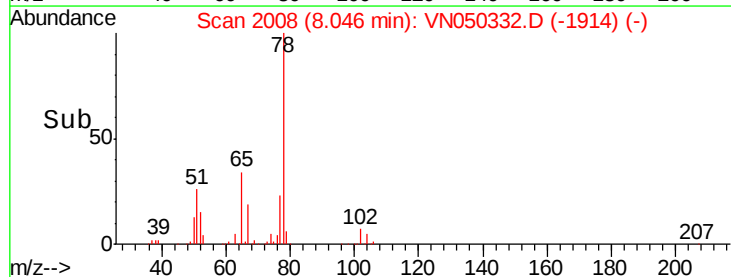
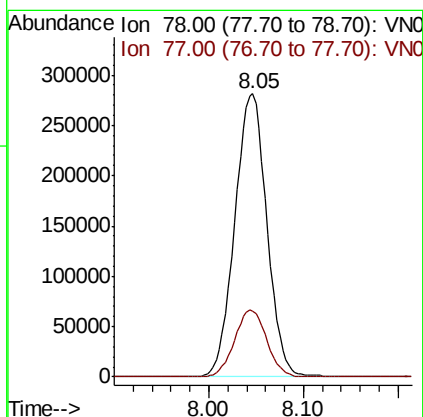
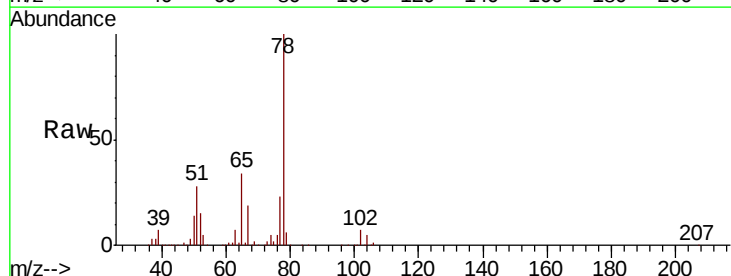
Instrument :
MSVOA_N
ClientSampleId :
VN0803WBSD03

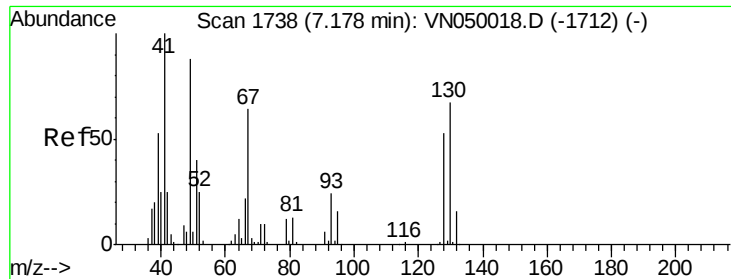
Tot Ion: 83 Resp: 196776
Ion Ratio Lower Upper
83 100
55 80.3 61.8 92.8
98 47.0 36.5 54.7



#40
Benzene
Concen: 21.81 ug/l
RT: 8.05 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VN050332.D
Acq: 4 Aug 2018 00:06

Tgt Ion: 78 Resp: 663565
Ion Ratio Lower Upper
78 100
77 23.4 18.7 28.1

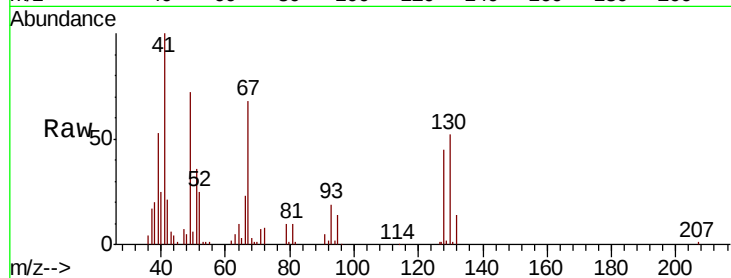




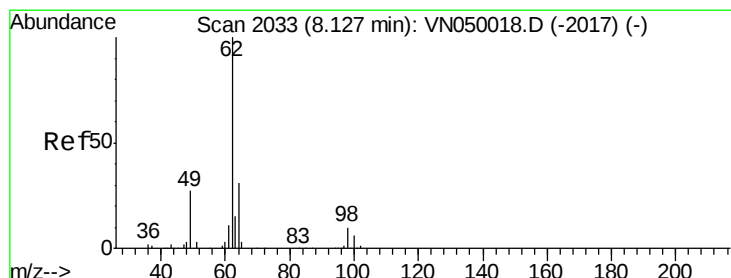
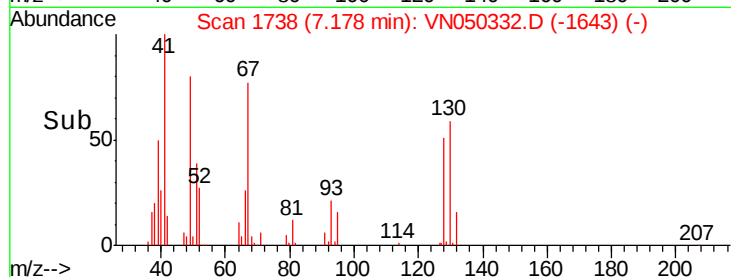
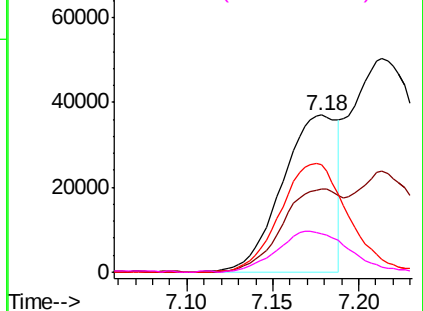
#41
Methacrylonitrile
Concen: 24.16 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN050332.D
Acq: 4 Aug 2018 00:06

Instrument :
MSVOA_N
ClientSampleId :
VN0803WBSD03

Tot Ion: 41 Resp: 82272
Ion Ratio Lower Upper
41 100
39 57.2 55.8 83.6
67 86.6 84.3 126.5
52 33.3 34.2 51.2#

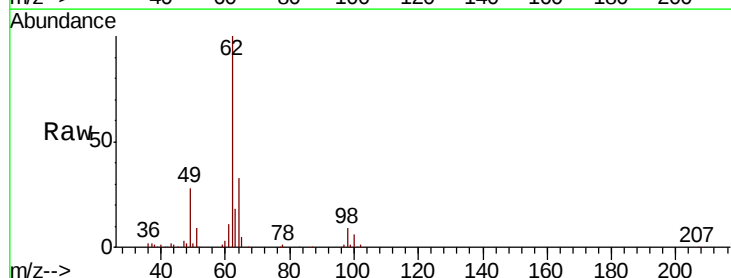


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

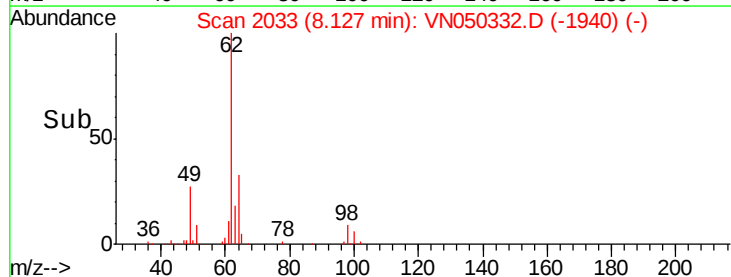
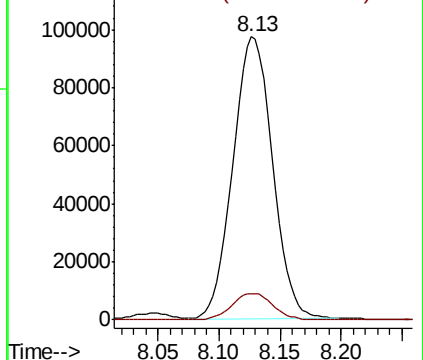


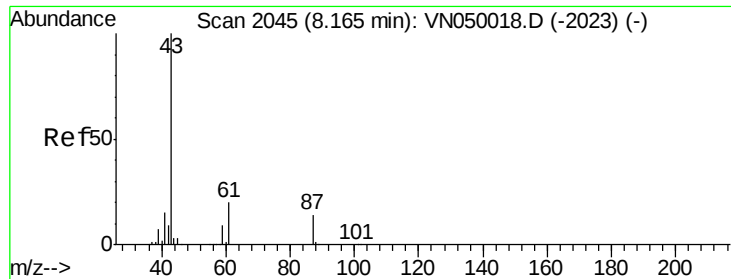
#42
1,2-Dichloroethane
Concen: 21.62 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050332.D
Acq: 4 Aug 2018 00:06

Tgt Ion: 62 Resp: 219433
Ion Ratio Lower Upper
62 100
98 9.7 0.0 18.8



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO



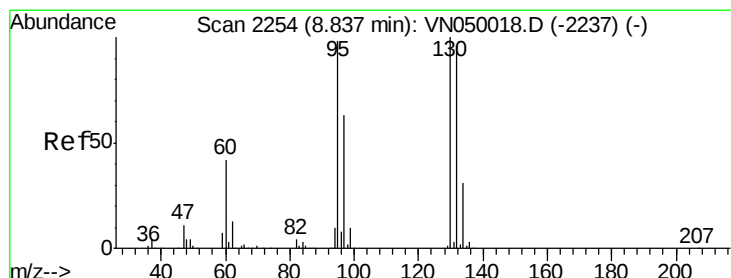
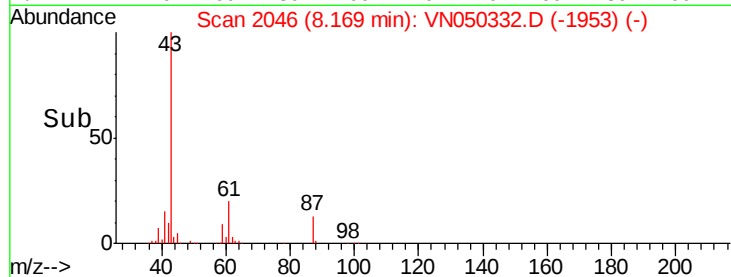
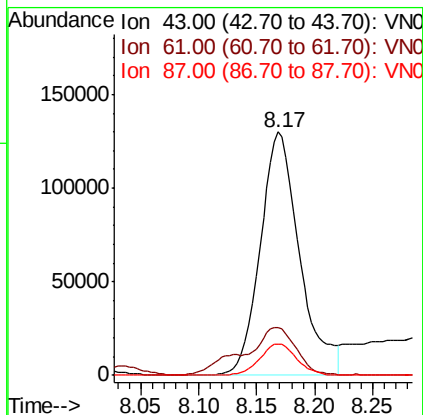
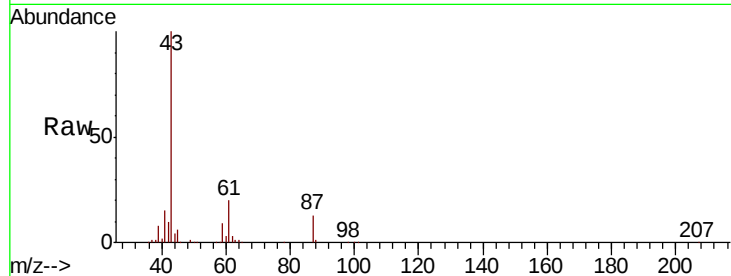


#43

Isopropyl Acetate
 Concen: 22.55 ug/l
 RT: 8.17 min Scan# 2046
 Delta R.T. 0.00 min
 Lab File: VN050332.D
 Acq: 4 Aug 2018 00:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBSD03

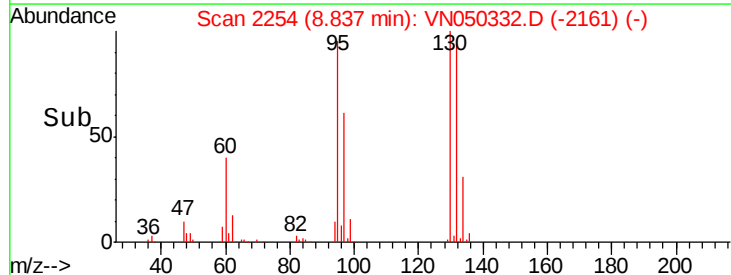
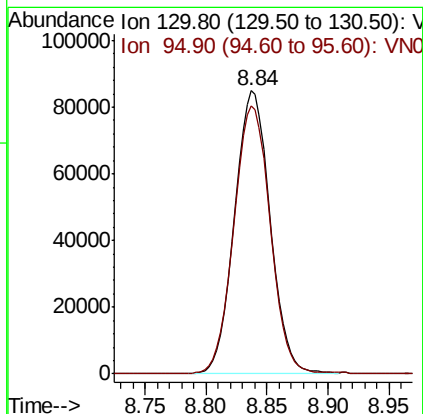
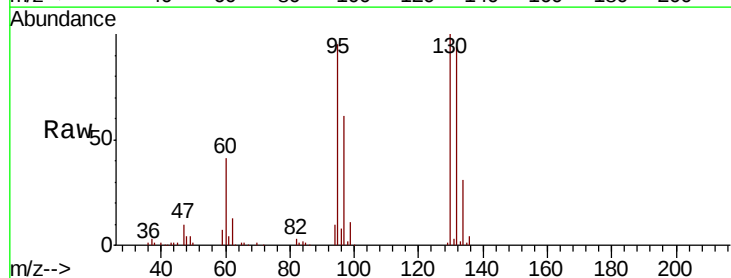
Tot Ion	Ratio	Lower	Upper
43	100		
61	25.7	15.8	23.6#
87	12.3	10.3	15.5

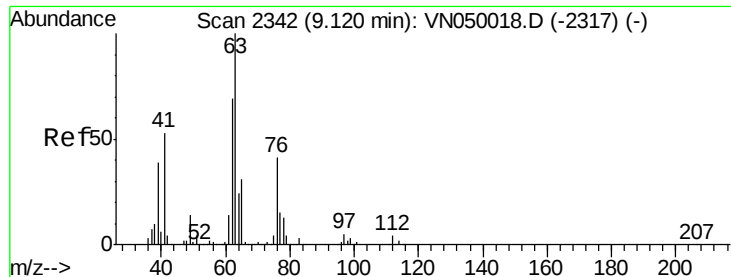


#44

Trichloroethene
 Concen: 21.01 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN050332.D
 Acq: 4 Aug 2018 00:06

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.5	0.0	194.6

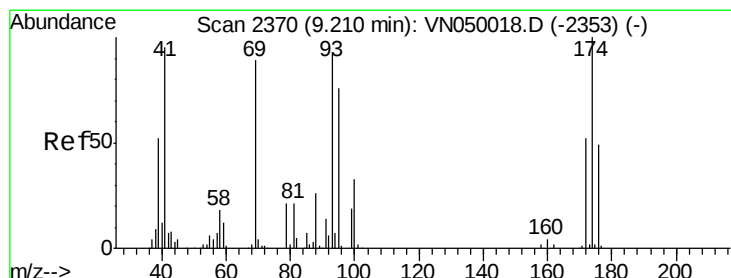
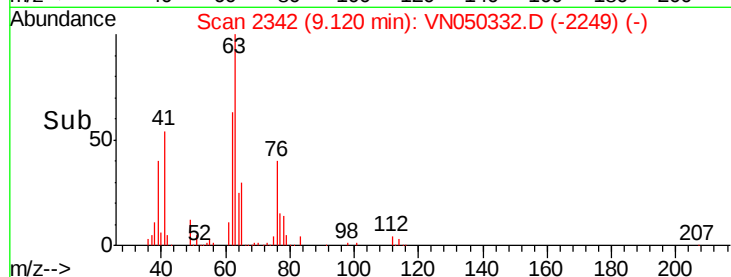
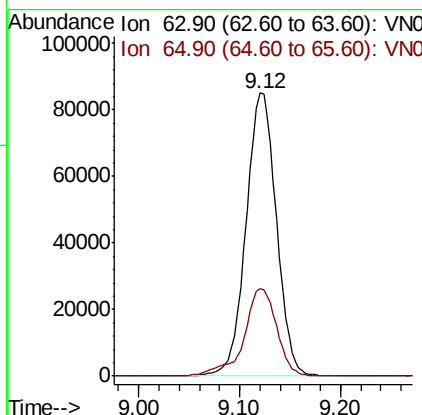
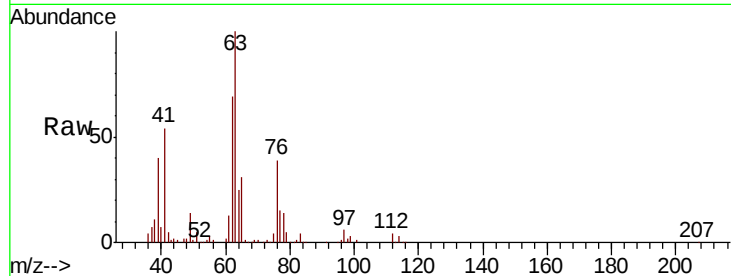




#45
 1,2-Dichloropropane
 Concen: 21.97 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050332.D
 Acq: 4 Aug 2018 00:06

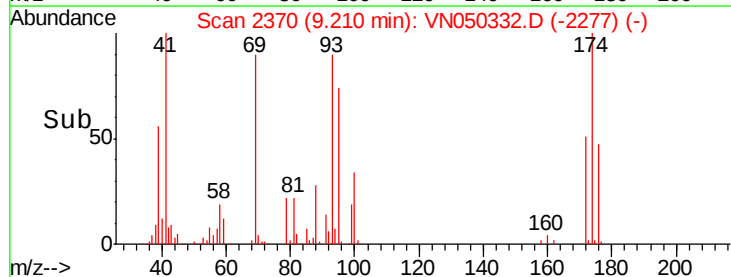
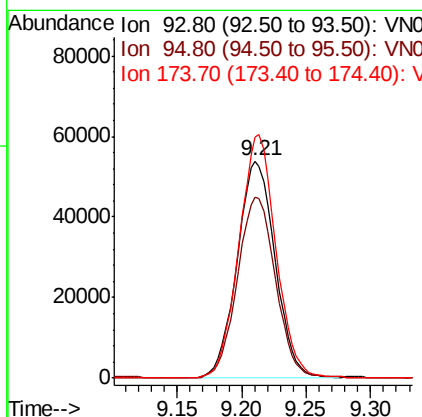
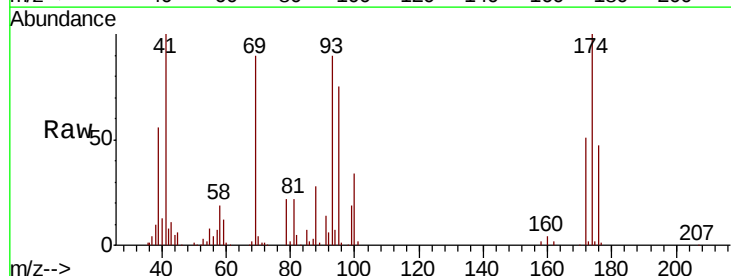
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBSD03

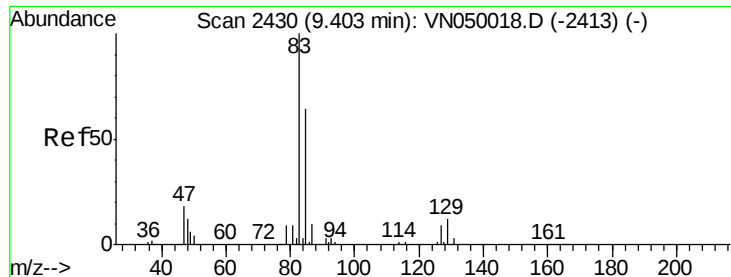
Tot Ion: 63 Resp: 177011
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.5 38.3



#46
 Dibromomethane
 Concen: 22.09 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050332.D
 Acq: 4 Aug 2018 00:06

Tgt Ion: 93 Resp: 110552
 Ion Ratio Lower Upper
 93 100
 95 83.9 66.6 100.0
 174 109.4 87.1 130.7





#47

Bromodichloromethane

Concen: 21.56 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBSD03

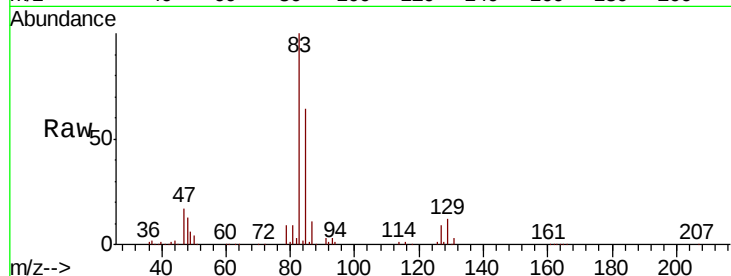
Tot Ion: 83 Resp: 227688

Ion Ratio Lower Upper

83 100

85 64.2 51.1 76.7

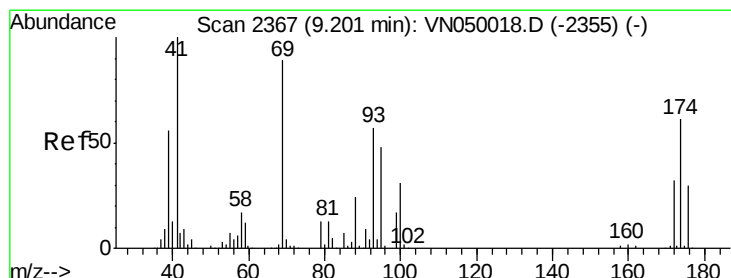
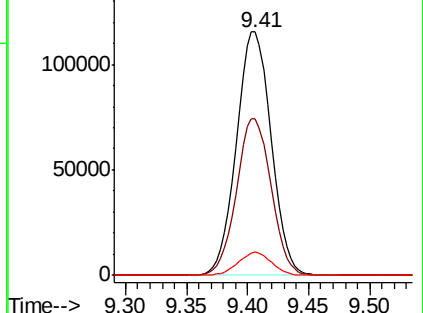
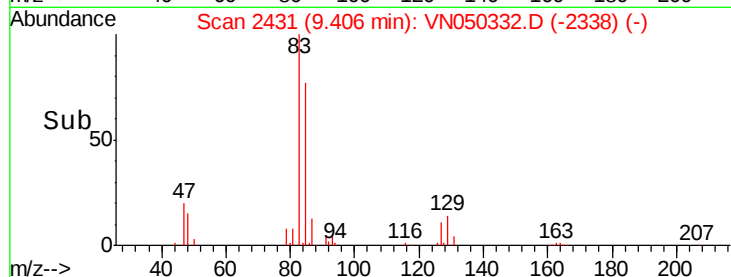
127 9.4 7.0 10.4



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: 22.89 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

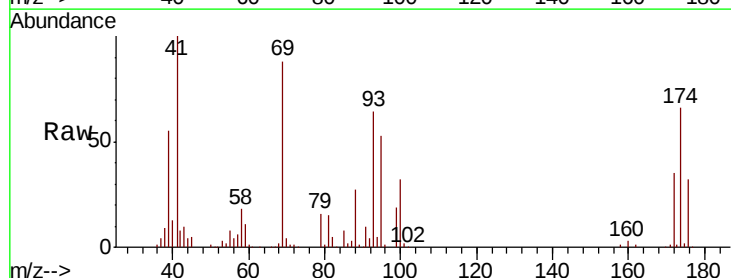
Tgt Ion: 41 Resp: 137410

Ion Ratio Lower Upper

41 100

69 88.9 70.6 105.8

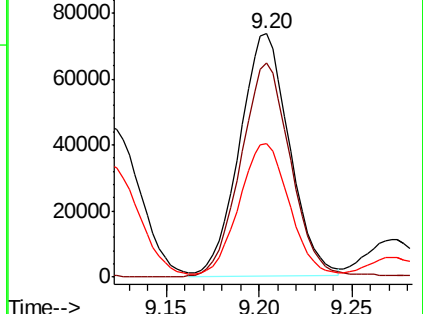
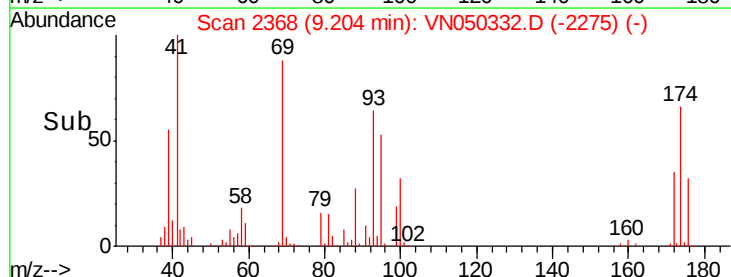
39 55.2 43.9 65.9

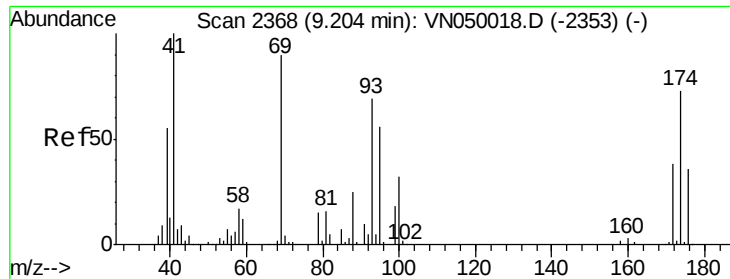


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 483.01 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBSD03

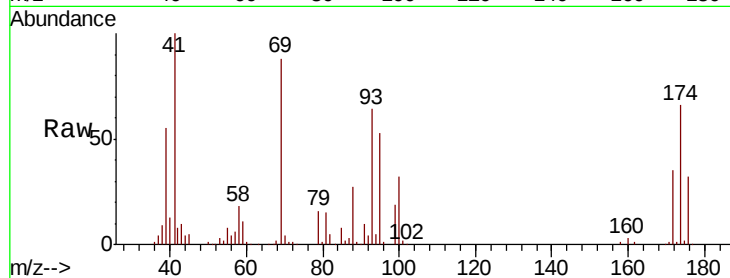
Tot Ion: 88 Resp: 39462

Ion Ratio Lower Upper

88 100

43 32.0 26.9 40.3

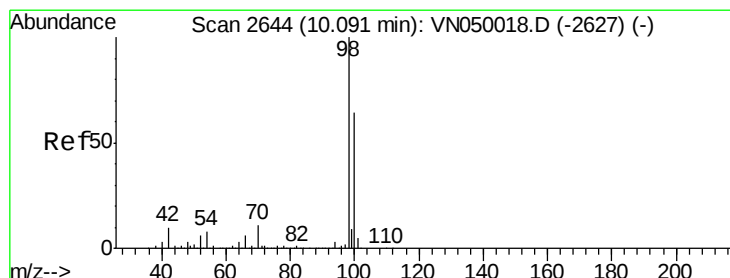
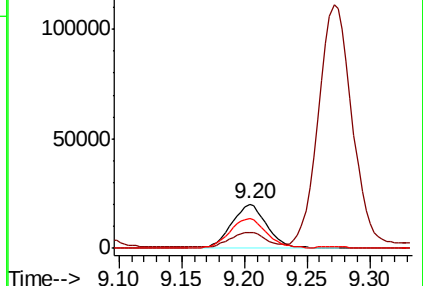
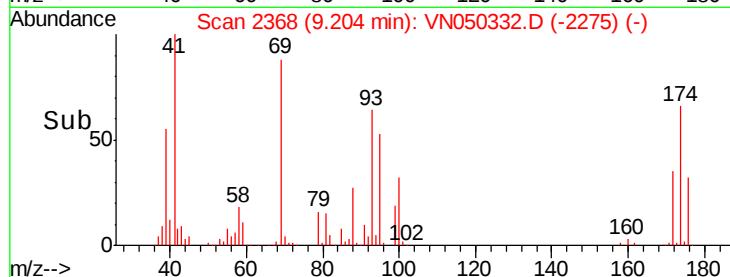
58 70.7 57.3 85.9



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: 48.19 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050332.D

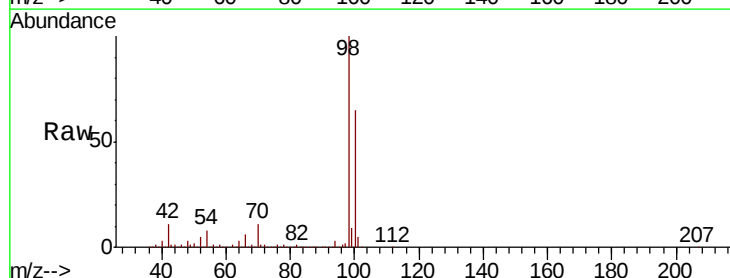
Acq: 4 Aug 2018 00:06

Tgt Ion: 98 Resp: 1283740

Ion Ratio Lower Upper

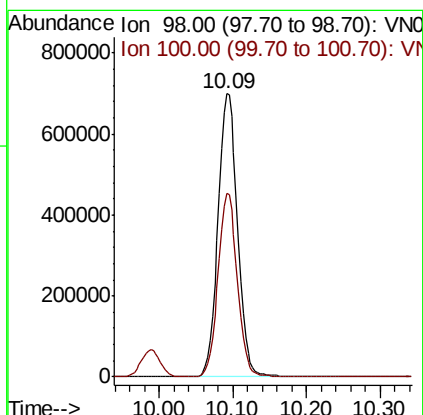
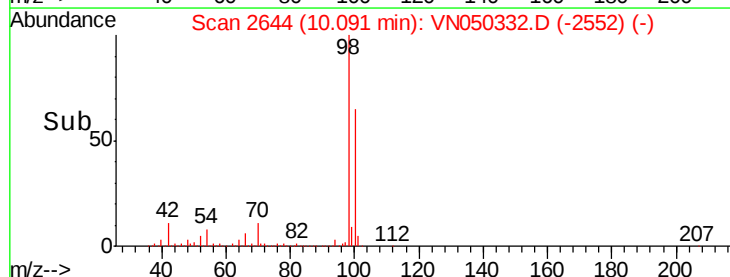
98 100

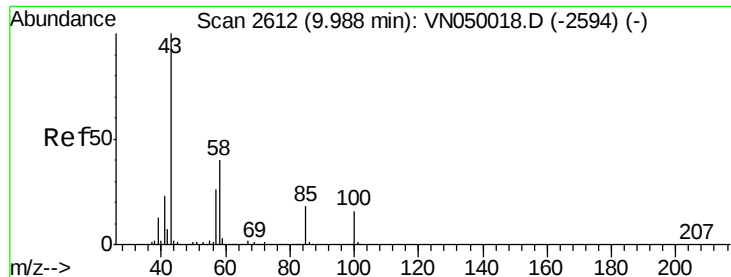
100 64.1 50.7 76.1



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: 119.63 ug/l

RT: 9.99 min Scan# 2612

Delta R.T. 0.00 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

Instrument :

MSVOA_N

ClientSampleId :

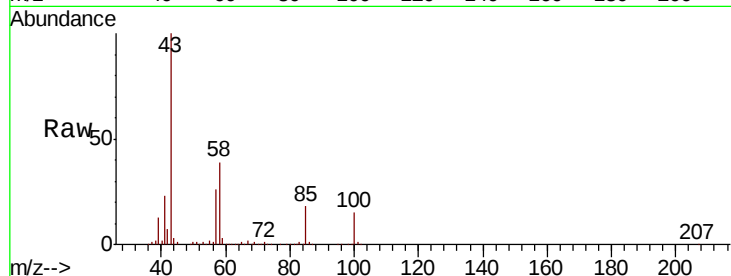
VN0803WBSD03

Tot Ion: 43 Resp: 819768

Ion Ratio Lower Upper

43 100

58 39.3 31.9 47.9



Abundance Ion 43.00 (42.70 to 43.70): VN050018.D (-2594) (-)

Ion 58.00 (57.70 to 58.70): VN050018.D (-2594) (-)

9.99

500000

400000

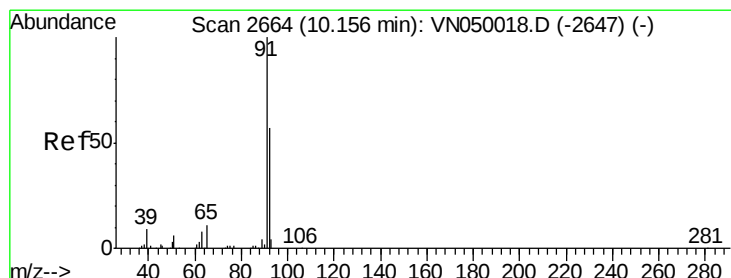
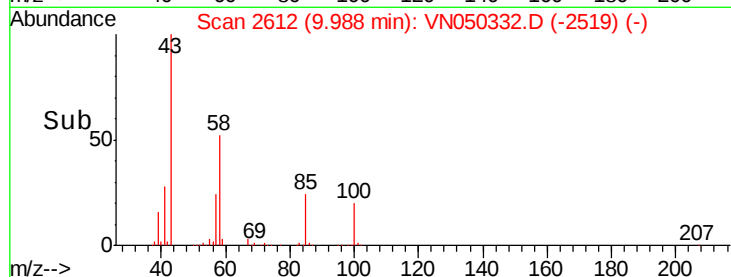
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 22.21 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050332.D

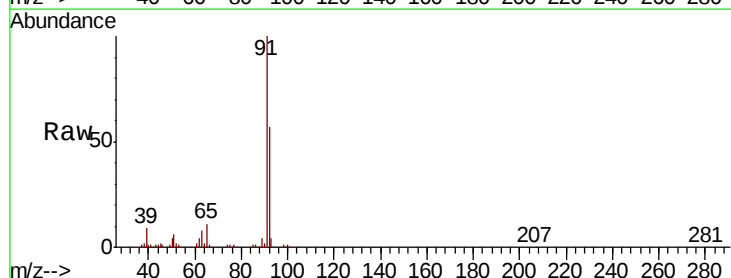
Acq: 4 Aug 2018 00:06

Tgt Ion: 92 Resp: 398881

Ion Ratio Lower Upper

92 100

91 178.2 140.3 210.5



Abundance Ion 92.00 (91.70 to 92.70): VN050018.D (-2647) (-)

Ion 91.00 (90.70 to 91.70): VN050018.D (-2647) (-)

10.16

400000

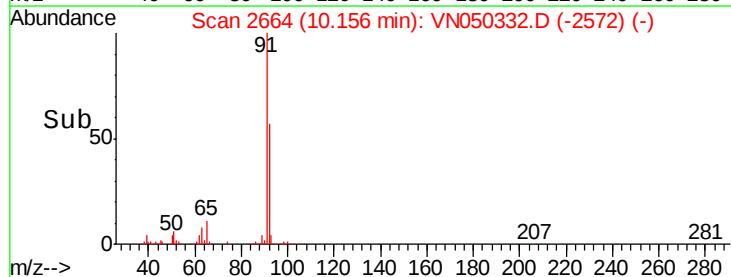
300000

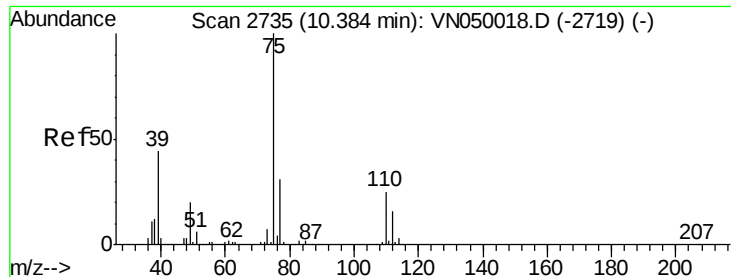
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 21.34 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

Instrument :

MSVOA_N

ClientSampleId :

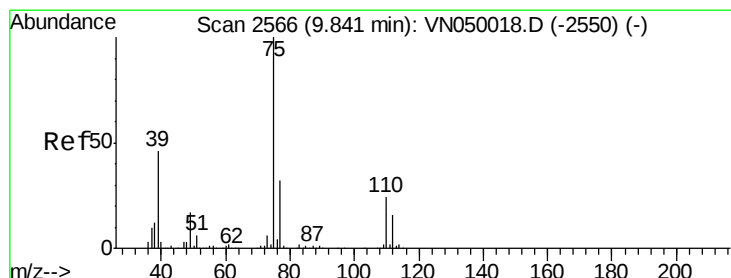
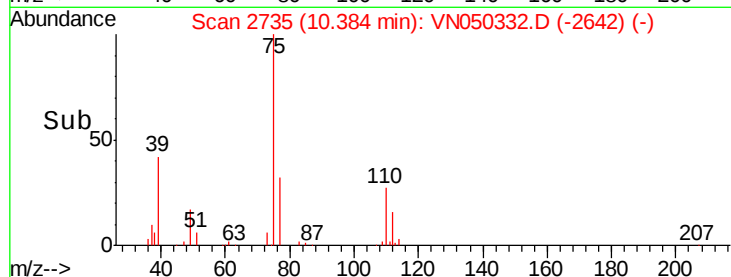
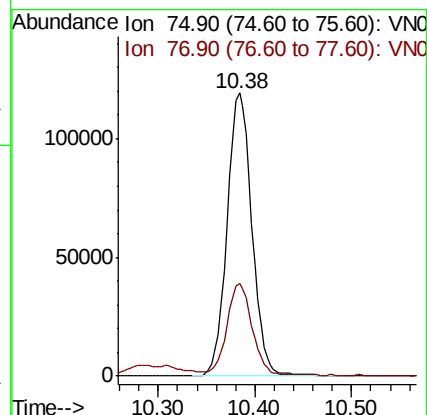
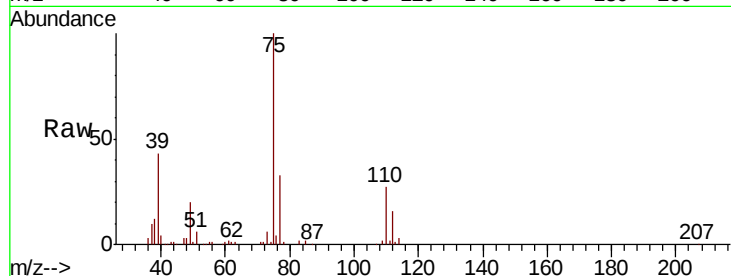
VN0803WBSD03

Tot Ion: 75 Resp: 212681

Ion Ratio Lower Upper

75 100

77 32.5 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 21.39 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

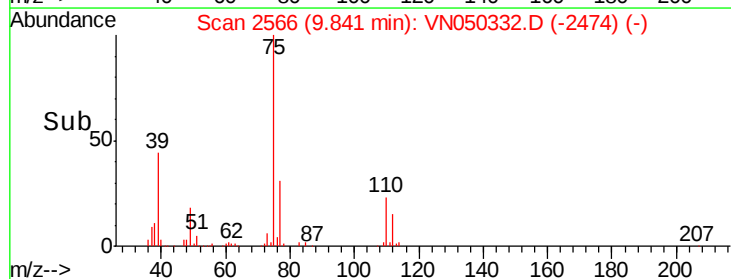
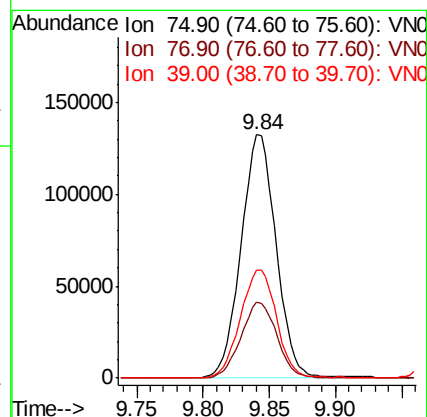
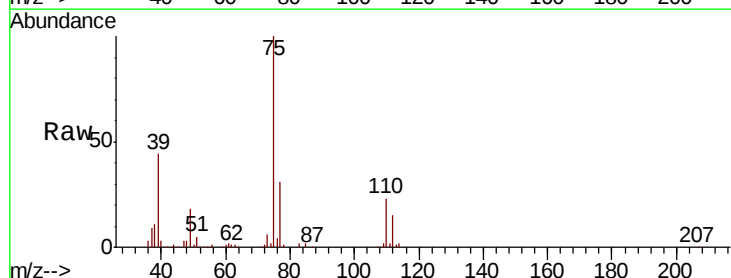
Tgt Ion: 75 Resp: 243588

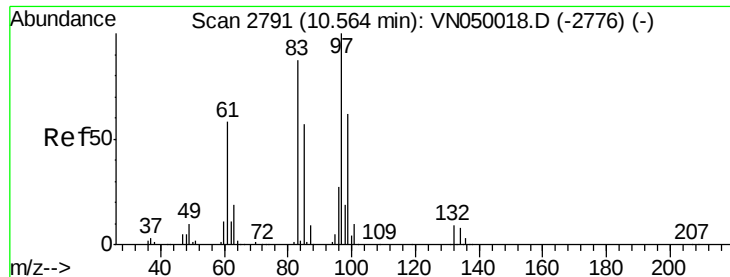
Ion Ratio Lower Upper

75 100

77 31.2 25.5 38.3

39 44.2 36.6 55.0





#55

1,1,2-Trichloroethane

Concen: 23.09 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. -0.00 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBSD03

Tot Ion: 97 Resp: 164459

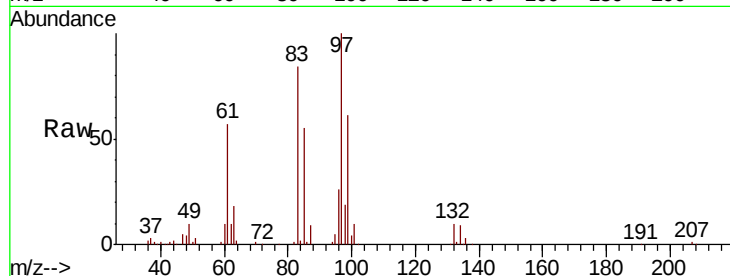
Ion Ratio Lower Upper

97 100

83 83.9 69.2 103.8

85 55.4 44.0 66.0

99 61.1 49.9 74.9

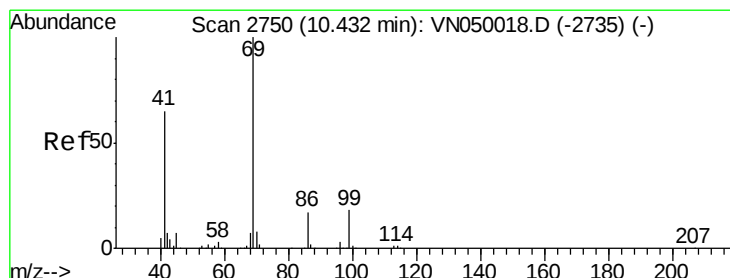
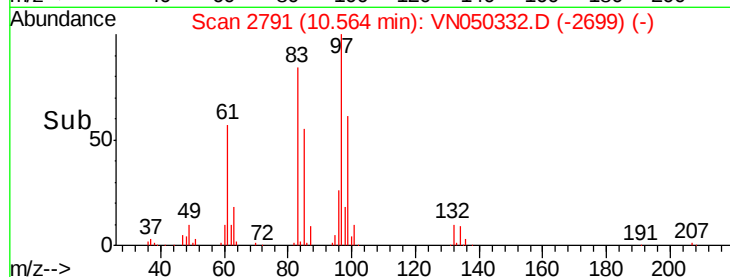
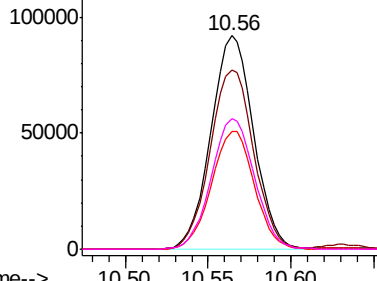


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 21.53 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

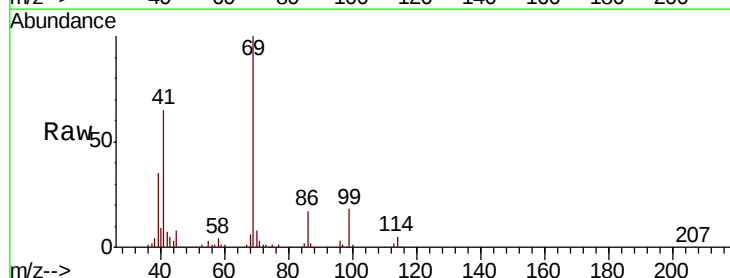
Tgt Ion: 69 Resp: 196077

Ion Ratio Lower Upper

69 100

41 63.2 51.0 76.4

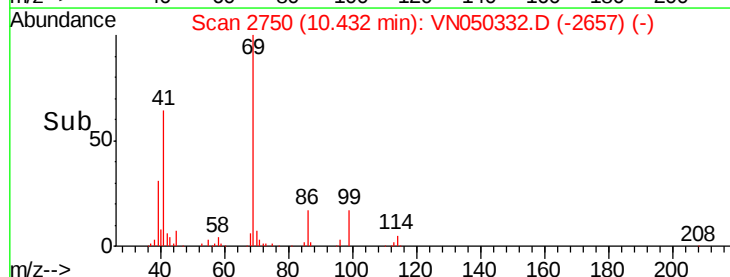
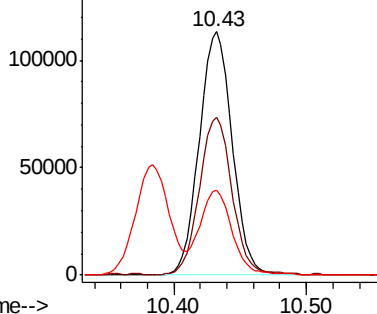
39 33.9 26.6 40.0

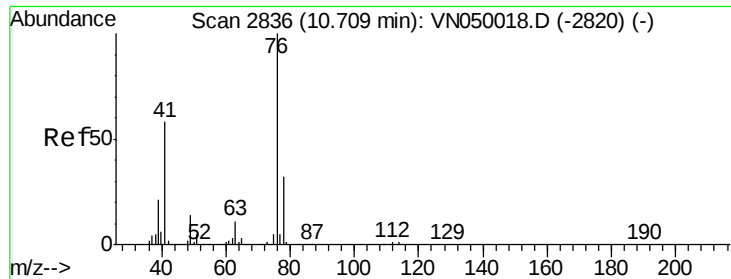


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

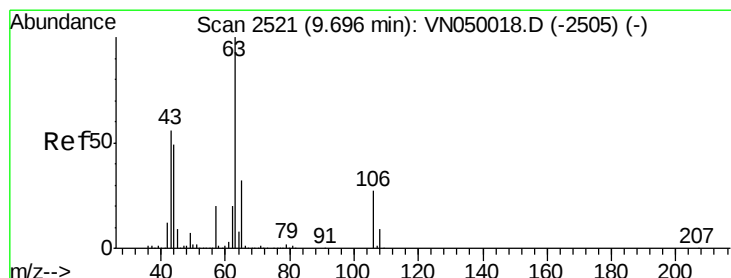
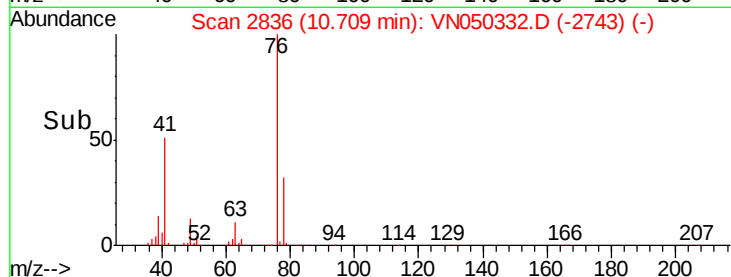
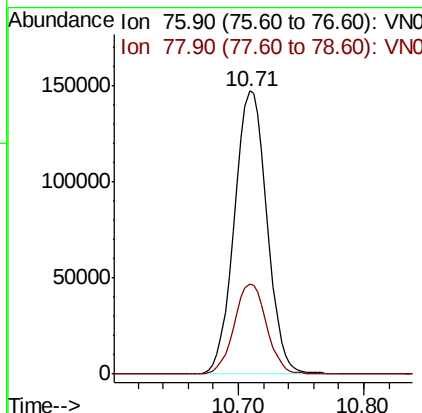
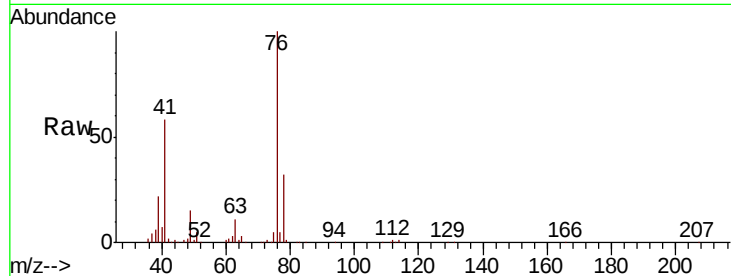




#57
 1,3-Dichloropropane
 Concen: 22.93 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050332.D
 Acq: 4 Aug 2018 00:06

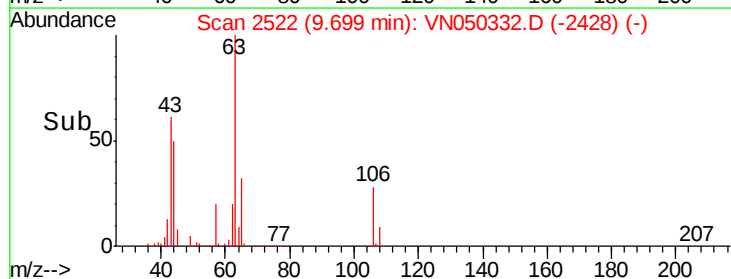
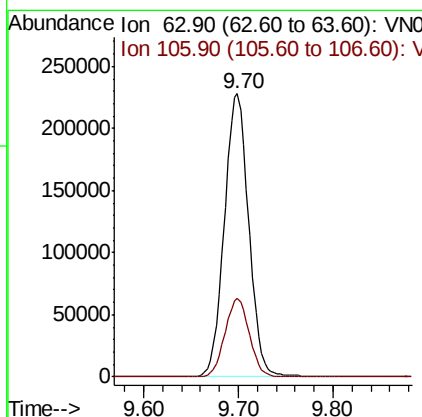
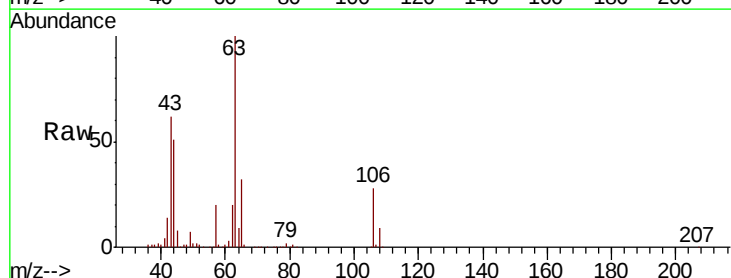
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBSD03

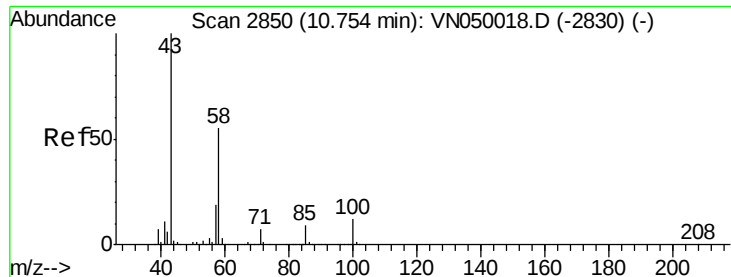
Tot Ion: 76 Resp: 265960
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.21 ug/l
 RT: 9.70 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VN050332.D
 Acq: 4 Aug 2018 00:06

Tgt Ion: 63 Resp: 409247
 Ion Ratio Lower Upper
 63 100
 106 27.6 21.7 32.5

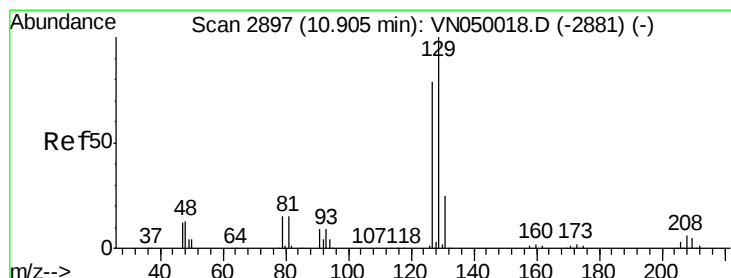
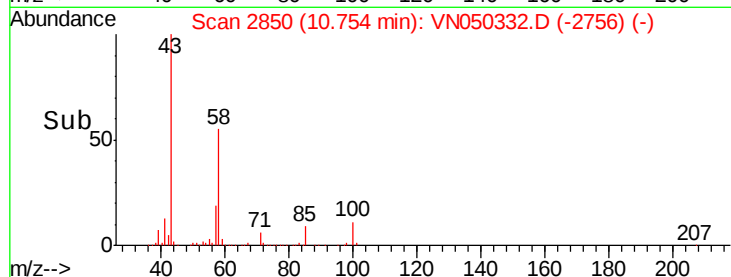
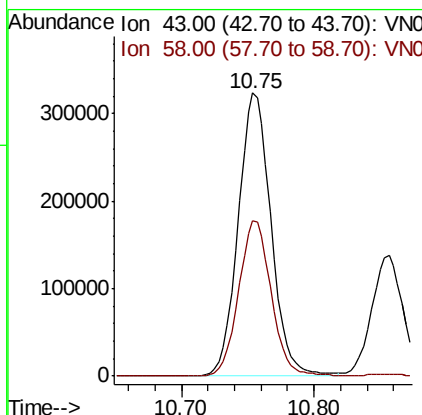
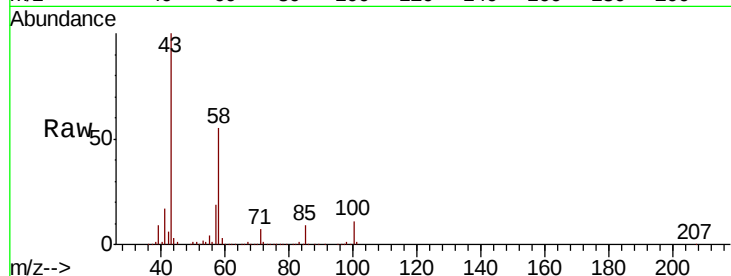




#59
2-Hexanone
Concen: 112.89 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050332.D
Acq: 4 Aug 2018 00:06

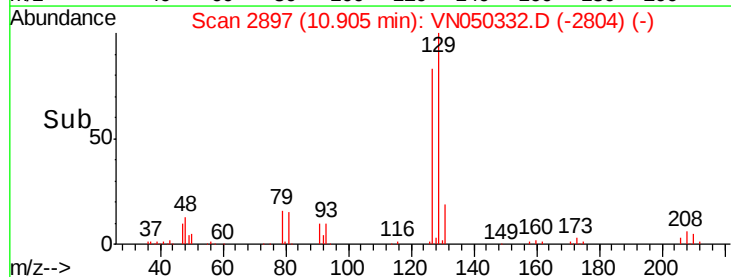
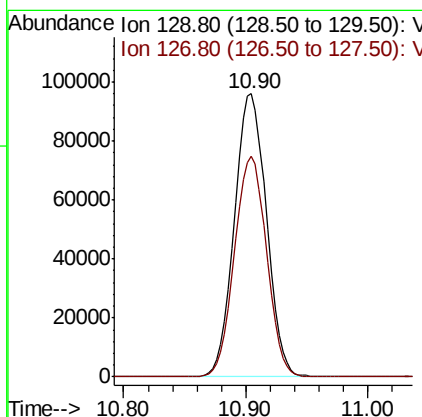
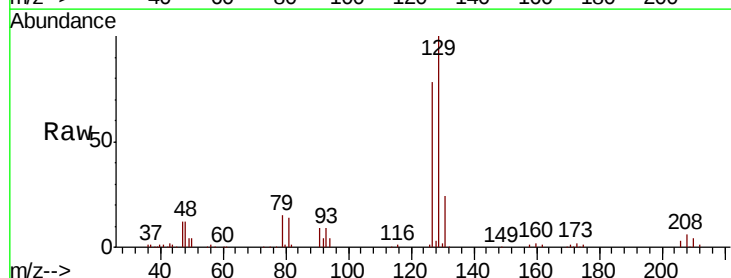
Instrument :
MSVOA_N
ClientSampleId :
VN0803WBSD03

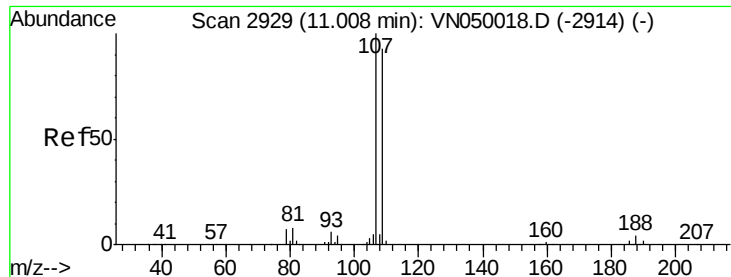
Tot Ion: 43 Resp: 553833
Ion Ratio Lower Upper
43 100
58 55.0 27.6 82.7



#60
Dibromochloromethane
Concen: 22.17 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050332.D
Acq: 4 Aug 2018 00:06

Tgt Ion: 129 Resp: 174888
Ion Ratio Lower Upper
129 100
127 78.0 38.0 113.9

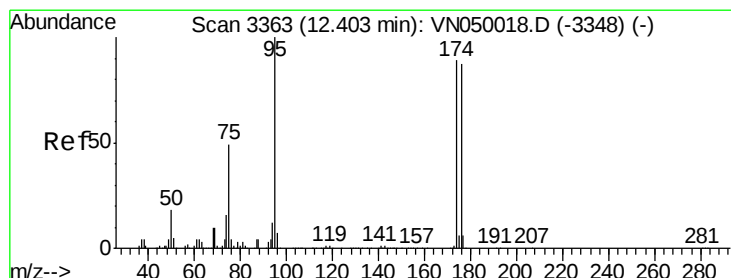
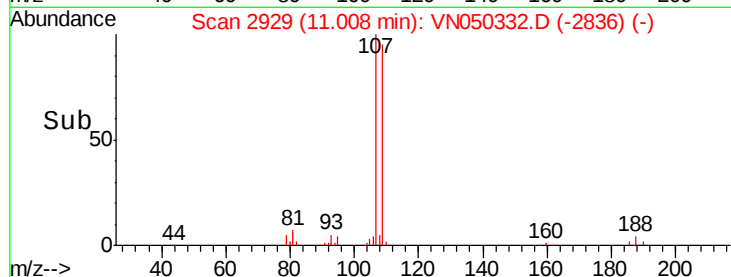
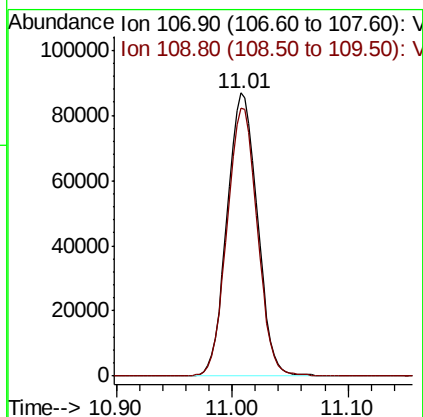
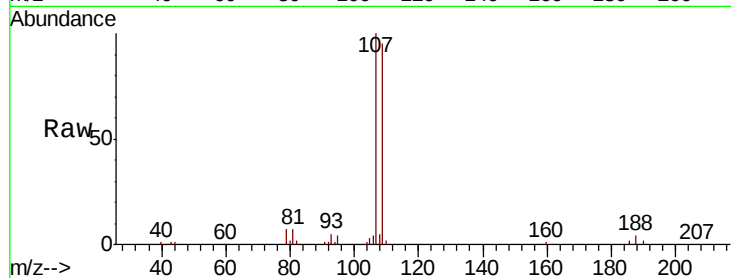




#61
1,2-Dibromoethane
Concen: 22.23 ug/l
RT: 11.01 min Scan# 2929
Delta R.T. 0.00 min
Lab File: VN050332.D
Acq: 4 Aug 2018 00:06

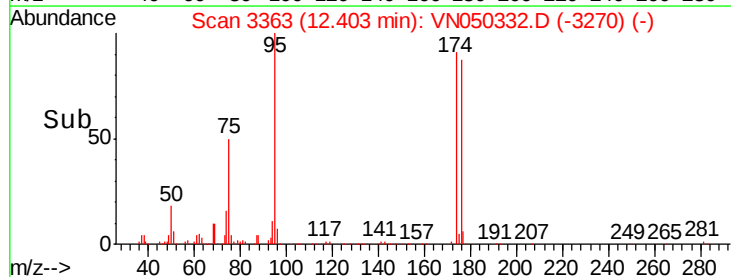
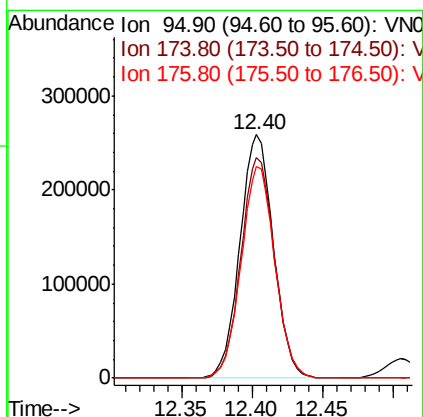
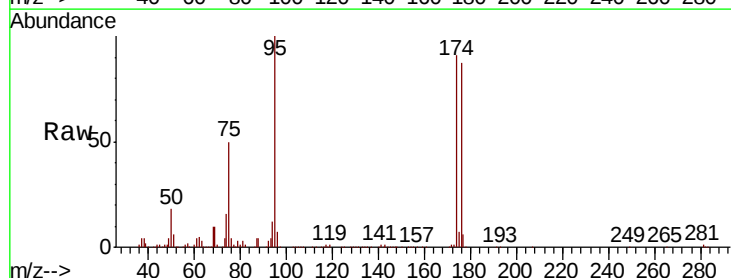
Instrument :
MSVOA_N
ClientSampleId :
VN0803WBSD03

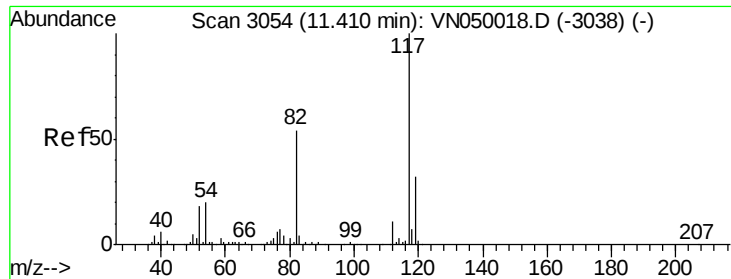
Tot Ion:107 Resp: 157115
Ion Ratio Lower Upper
107 100
109 94.2 74.6 112.0



#62
4-Bromofluorobenzene
Concen: 49.11 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050332.D
Acq: 4 Aug 2018 00:06

Tgt Ion: 95 Resp: 430731
Ion Ratio Lower Upper
95 100
174 90.9 0.0 178.2
176 87.4 0.0 173.4

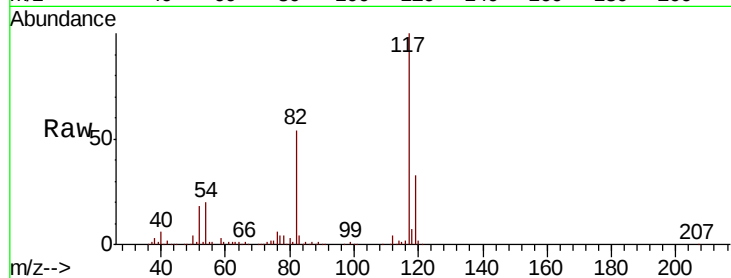




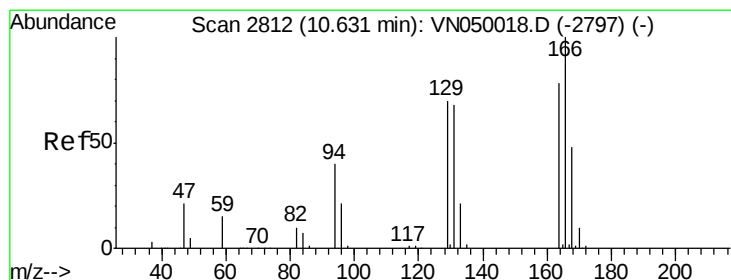
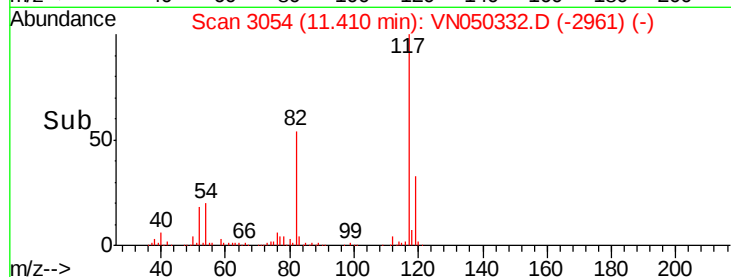
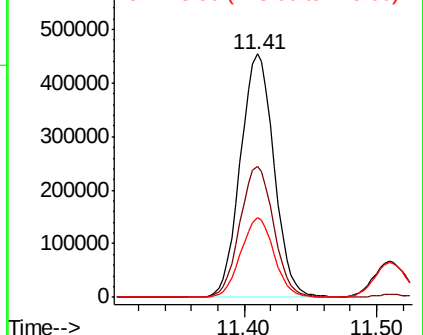
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050332.D
Acq: 4 Aug 2018 00:06

Instrument :
MSVOA_N
ClientSampleId :
VN0803WBSD03

Tot Ion:117 Resp: 800635
Ion Ratio Lower Upper
117 100
82 53.9 43.7 65.5
119 32.6 26.1 39.1

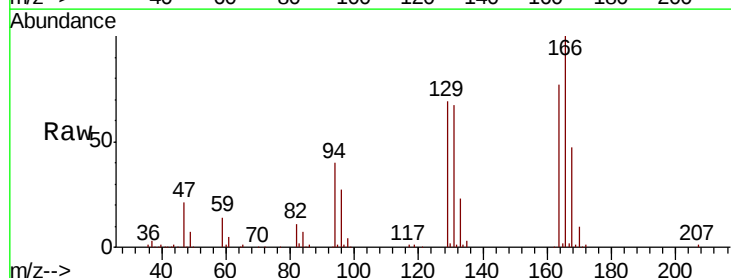


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

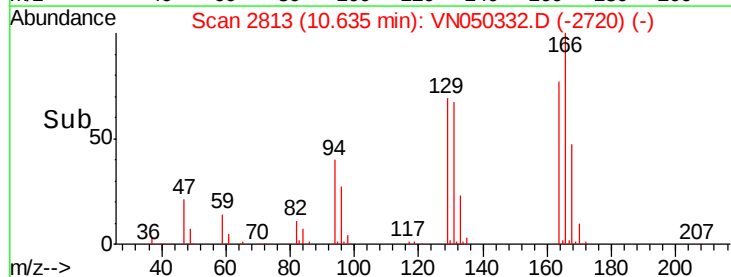
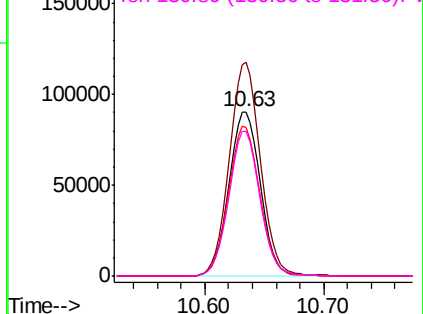


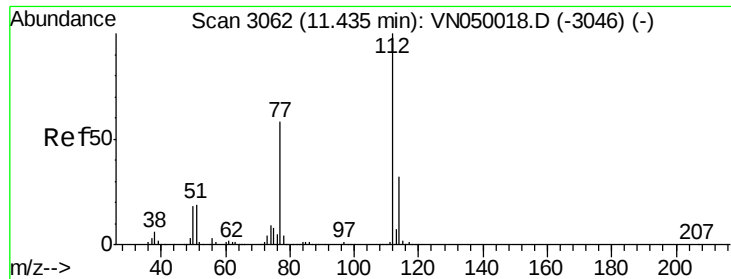
#64
Tetrachloroethene
Concen: 21.55 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN050332.D
Acq: 4 Aug 2018 00:06

Tgt Ion:164 Resp: 165894
Ion Ratio Lower Upper
164 100
166 130.3 102.1 153.1
129 90.4 73.2 109.8
131 87.9 70.6 106.0



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

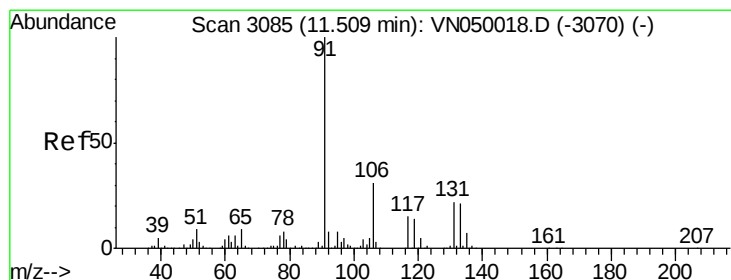
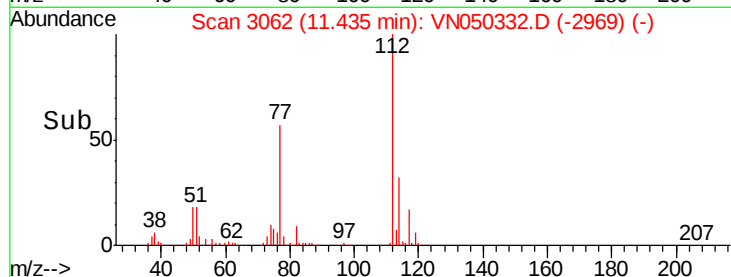
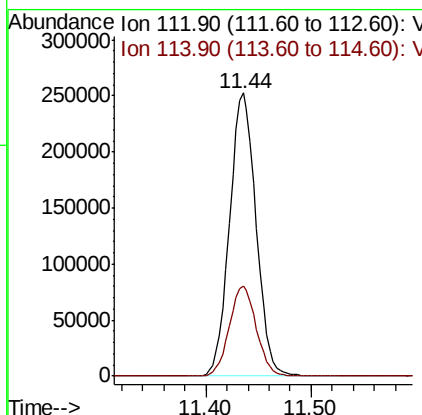
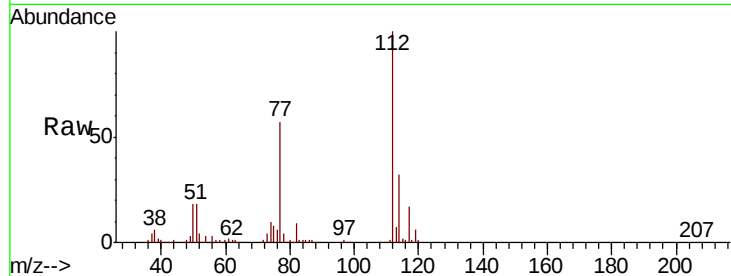




#65
Chlorobenzene
Concen: 21.64 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050332.D
Acq: 4 Aug 2018 00:06

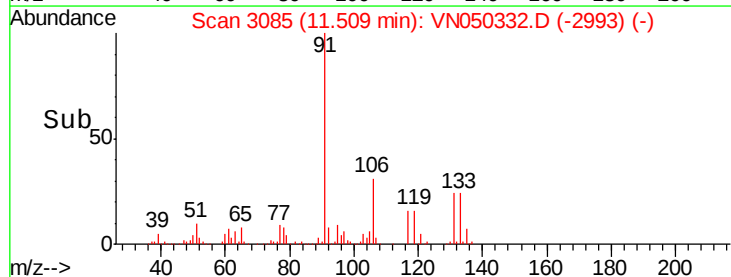
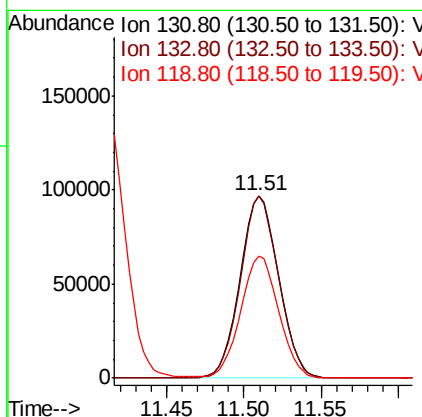
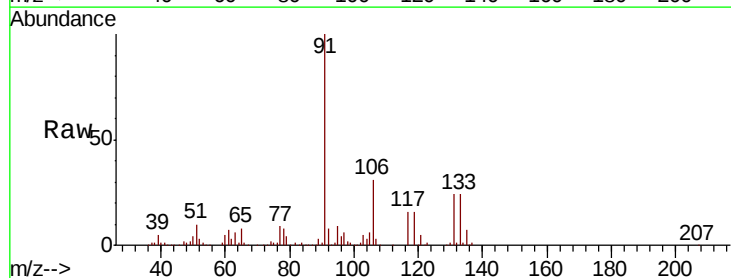
Instrument :
MSVOA_N
ClientSampleId :
VN0803WBSD03

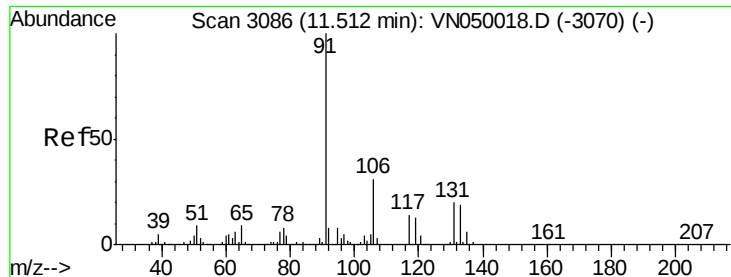
Tot Ion:112 Resp: 437653
Ion Ratio Lower Upper
112 100
114 32.0 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 21.63 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050332.D
Acq: 4 Aug 2018 00:06

Tgt Ion:131 Resp: 168088
Ion Ratio Lower Upper
131 100
133 98.5 47.3 141.9
119 66.2 32.9 98.7





#67

Ethyl Benzene

Concen: 22.27 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

Instrument :

MSVOA_N

ClientSampled :

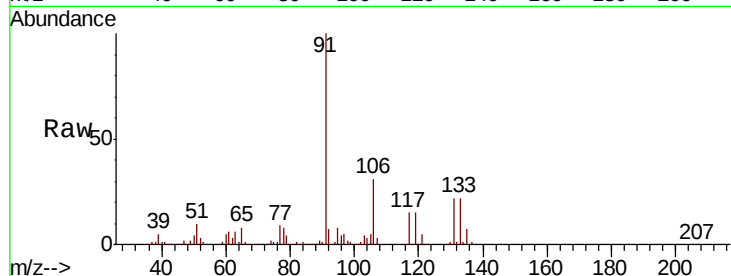
VN0803WBSD03

Tot Ion: 91 Resp: 723330

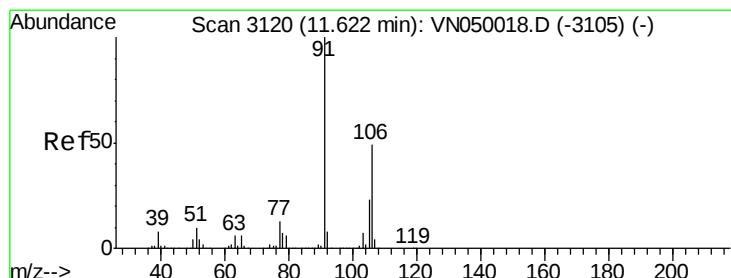
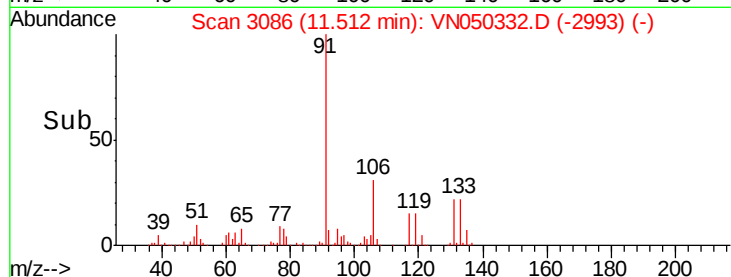
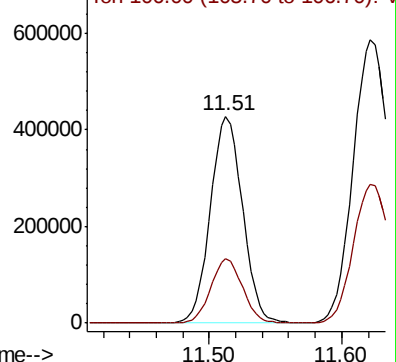
Ion Ratio Lower Upper

91 100

106 31.0 25.0 37.4



Abundance Ion 91.00 (90.70 to 91.70): VN050018.D (-3070) (-)



#68

m/p-Xylenes

Concen: 45.63 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN050332.D

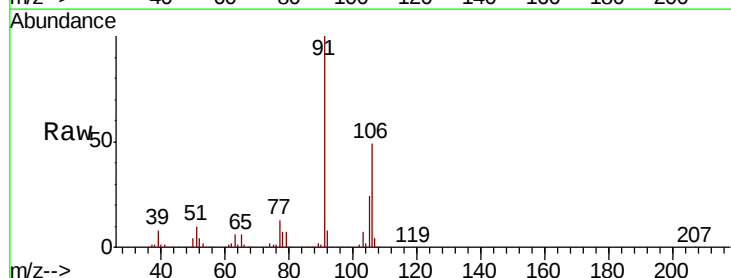
Acq: 4 Aug 2018 00:06

Tgt Ion: 106 Resp: 560711

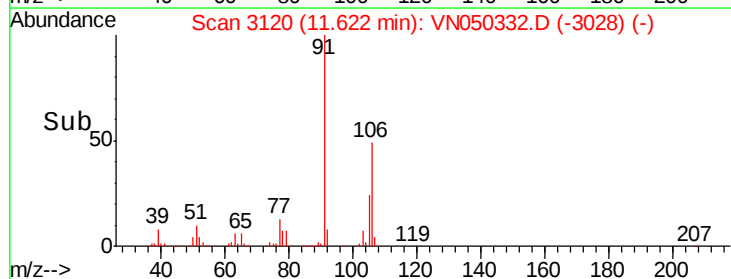
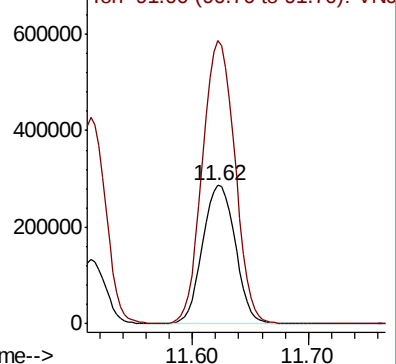
Ion Ratio Lower Upper

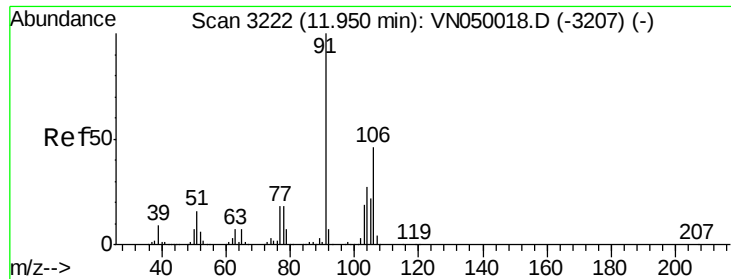
106 100

91 202.8 162.2 243.2



Abundance Ion 106.00 (105.70 to 106.70): VN050018.D (-3105) (-)

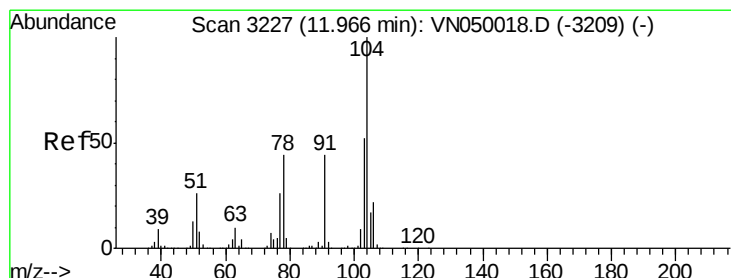
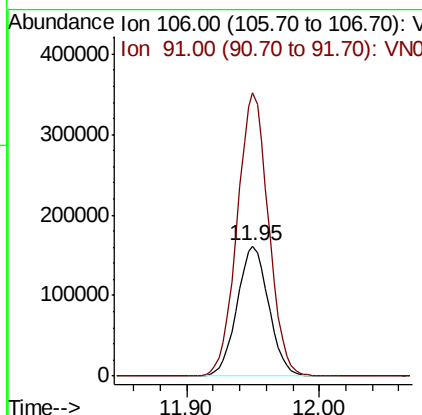
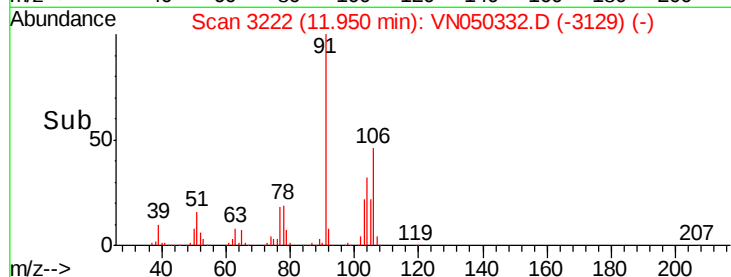
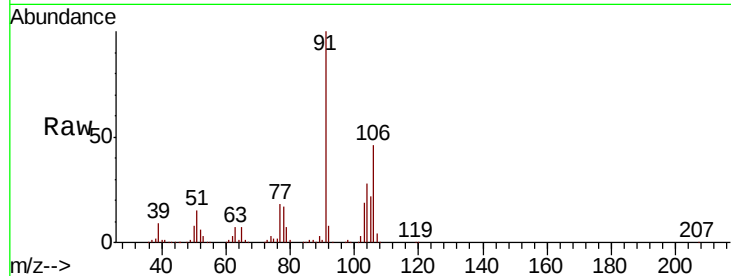




#69
o-Xylene
Concen: 22.84 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050332.D
Acq: 4 Aug 2018 00:06

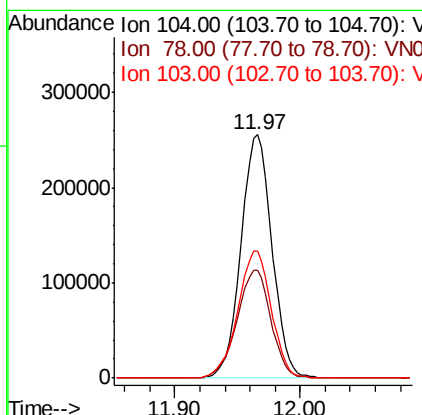
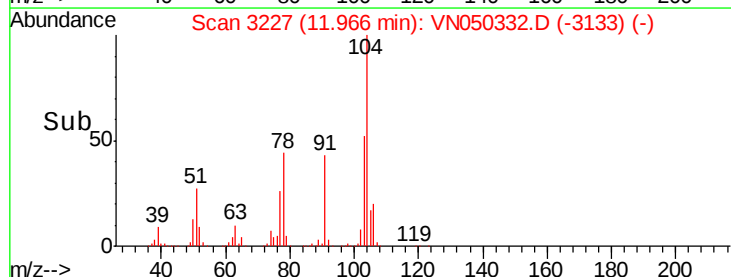
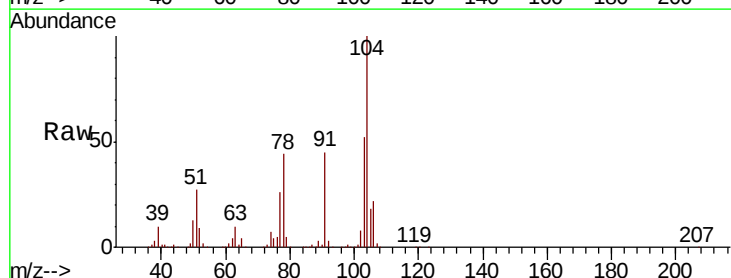
Instrument :
MSVOA_N
ClientSampleId :
VN0803WBSD03

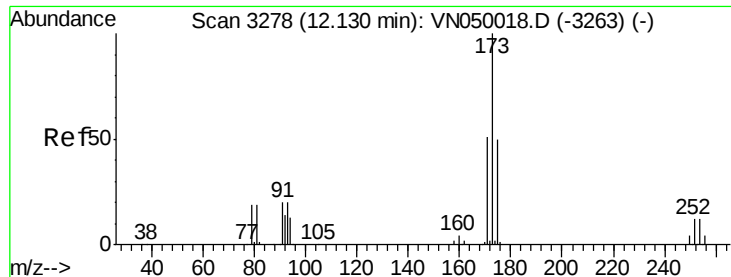
Tot Ion:106 Resp: 267590
Ion Ratio Lower Upper
106 100
91 215.7 107.7 323.1



#70
Styrene
Concen: 21.67 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050332.D
Acq: 4 Aug 2018 00:06

Tgt Ion:104 Resp: 440436
Ion Ratio Lower Upper
104 100
78 48.5 39.3 58.9
103 56.3 45.0 67.6





#71

Bromoform

Concen: 21.83 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBSD03

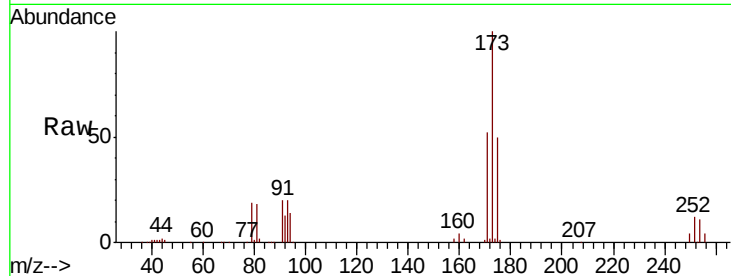
Tot Ion:173 Resp: 123401

Ion Ratio Lower Upper

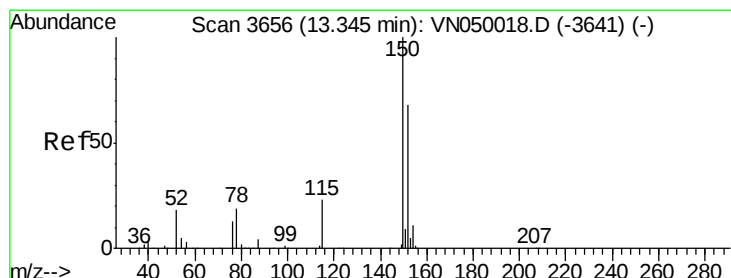
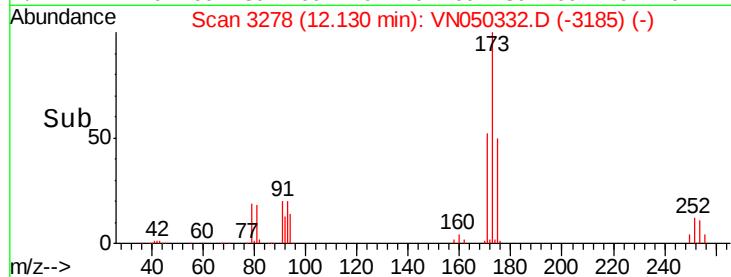
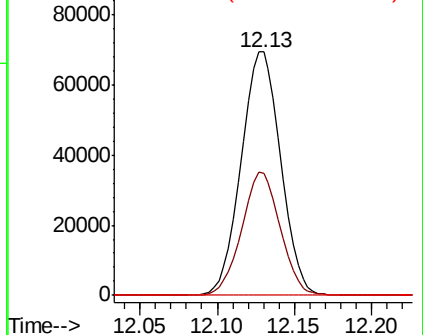
173 100

175 49.4 24.1 72.2

254 0.0 0.2 0.2#



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: VN050332.D

Acq: 4 Aug 2018 00:06

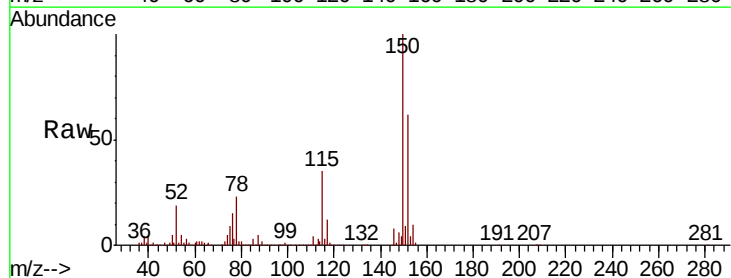
Tgt Ion:152 Resp: 419014

Ion Ratio Lower Upper

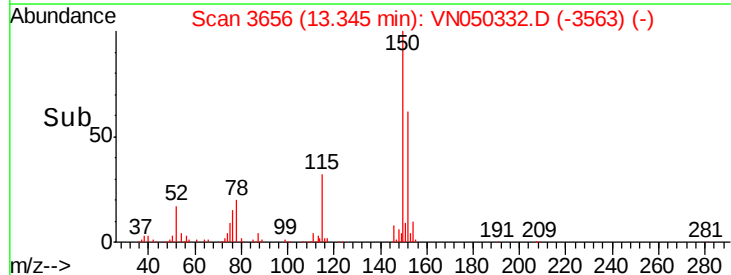
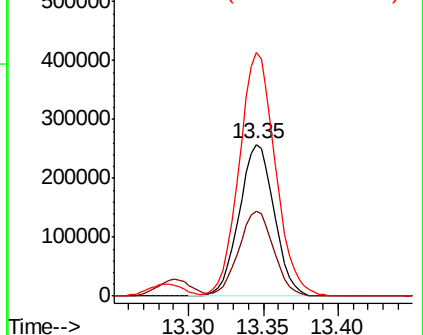
152 100

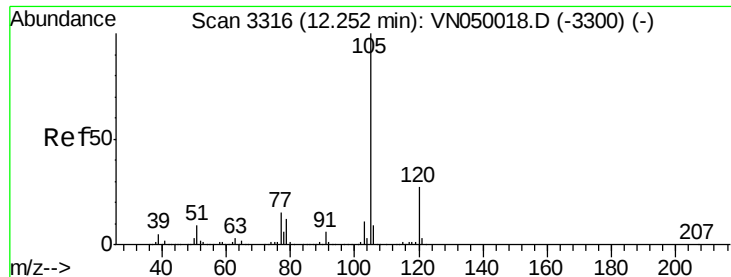
115 56.2 27.8 83.3

150 166.2 0.0 348.6



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: 22.09 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

Instrument :

MSVOA_N

ClientSampleId :

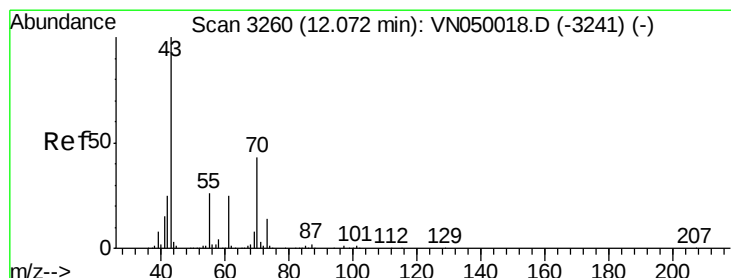
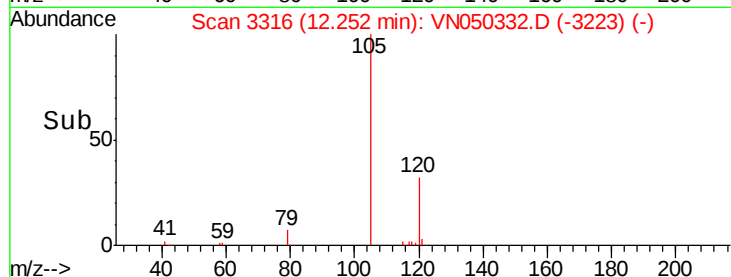
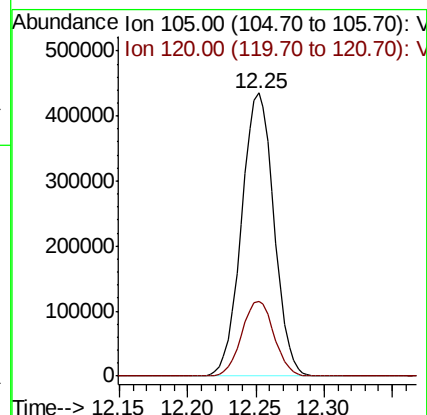
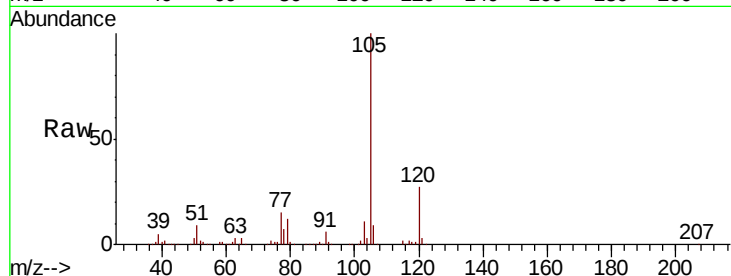
VN0803WBSD03

Tot Ion:105 Resp: 718001

Ion Ratio Lower Upper

105 100

120 26.5 13.3 39.8



#74

N-ethyl acetate

Concen: 22.77 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

Tgt Ion: 43 Resp: 226191

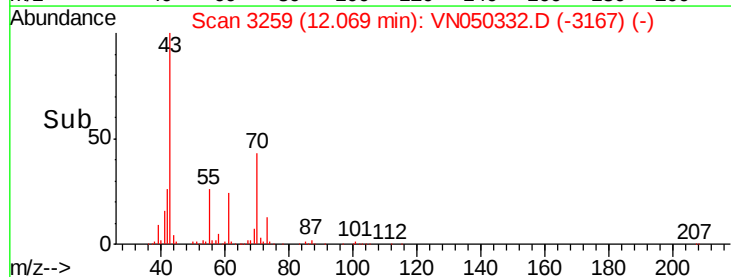
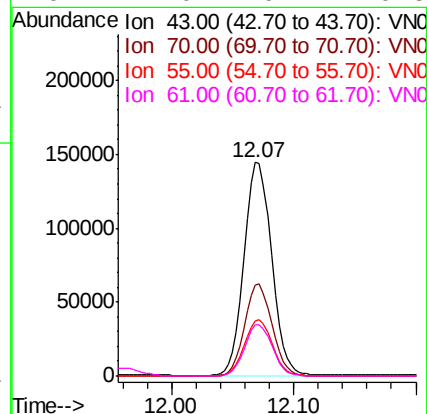
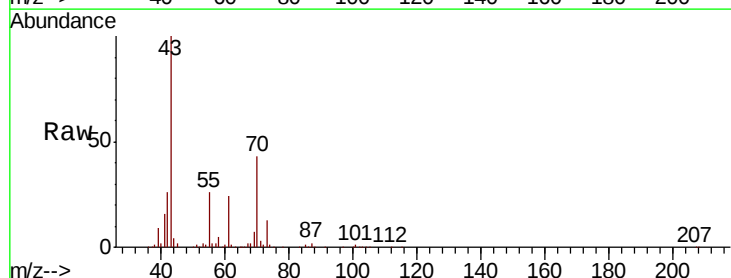
Ion Ratio Lower Upper

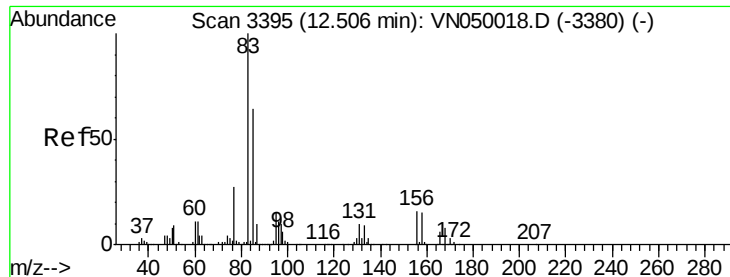
43 100

70 42.8 34.4 51.6

55 26.8 20.8 31.2

61 24.0 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 24.00 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBSD03

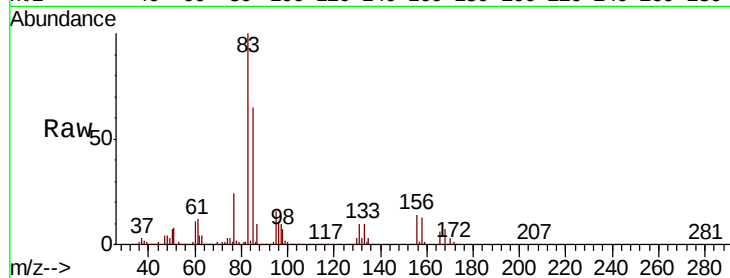
Tot Ion: 83 Resp: 216254

Ion Ratio Lower Upper

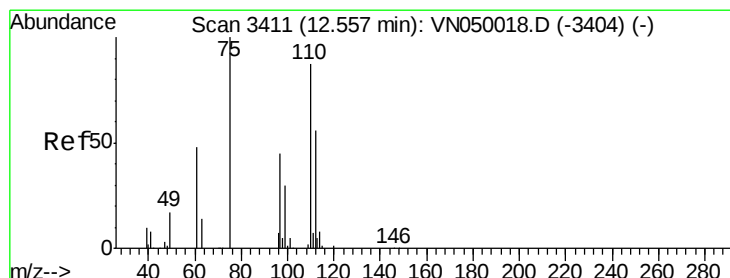
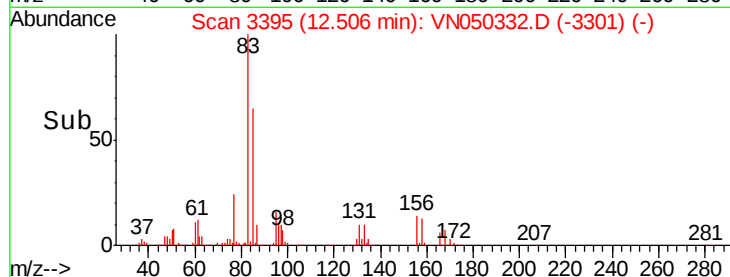
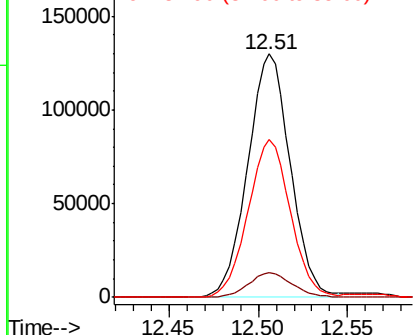
83 100

131 10.4 5.1 15.3

85 64.3 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 31.94 ug/l

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN050332.D

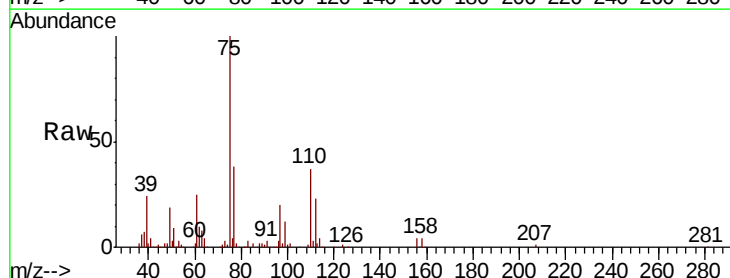
Acq: 4 Aug 2018 00:06

Tgt Ion: 75 Resp: 248682

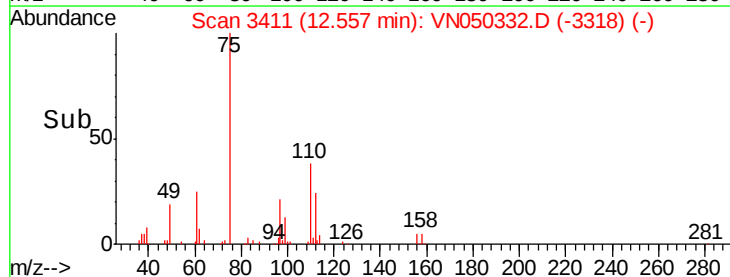
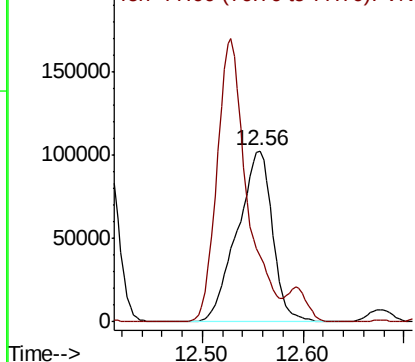
Ion Ratio Lower Upper

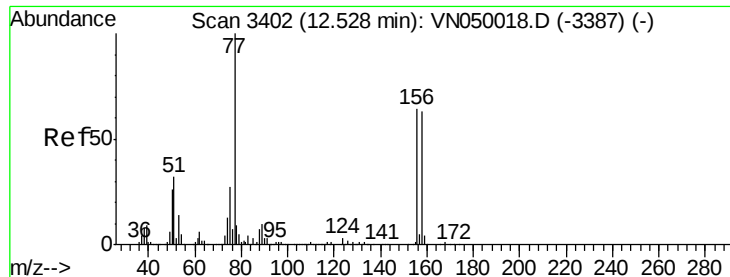
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 21.44 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBSD03

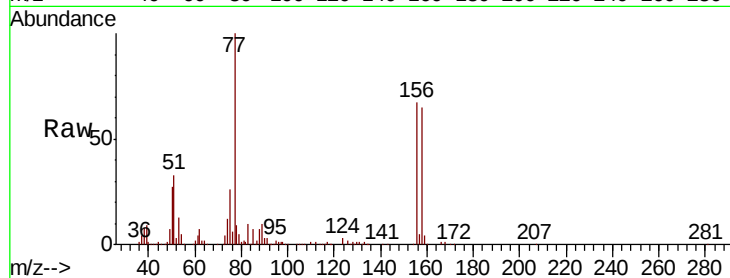
Tot Ion:156 Resp: 193140

Ion Ratio Lower Upper

156 100

77 182.0 91.7 275.1

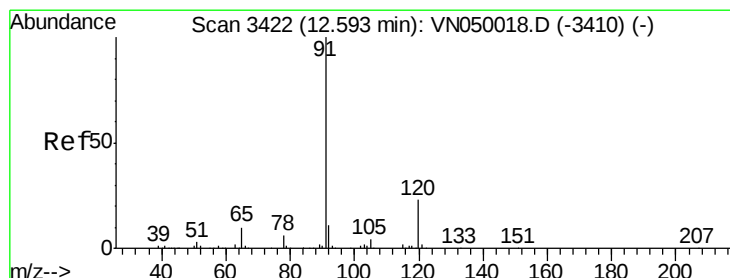
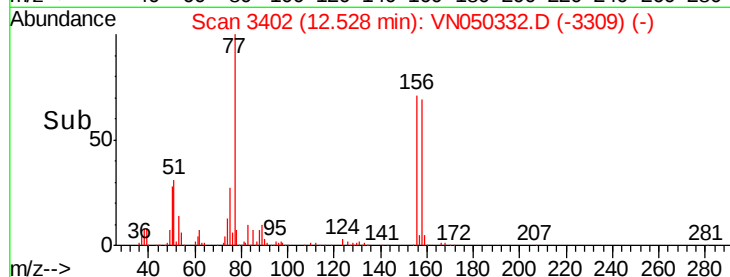
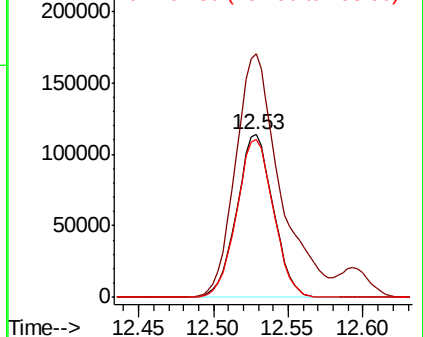
158 97.8 48.9 146.6



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: 22.62 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050332.D

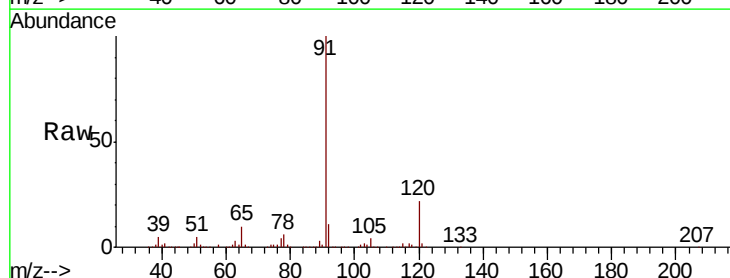
Acq: 4 Aug 2018 00:06

Tgt Ion: 91 Resp: 821762

Ion Ratio Lower Upper

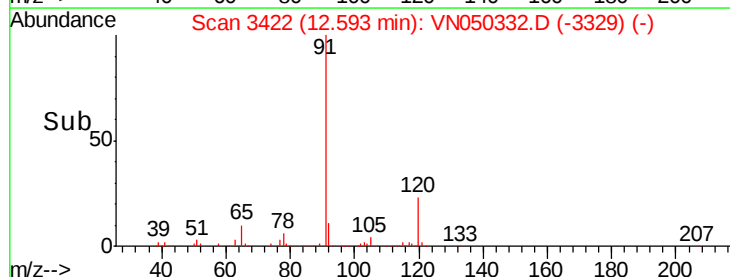
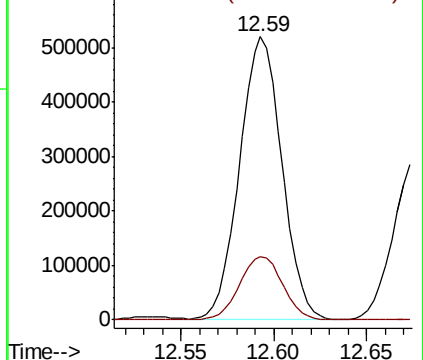
91 100

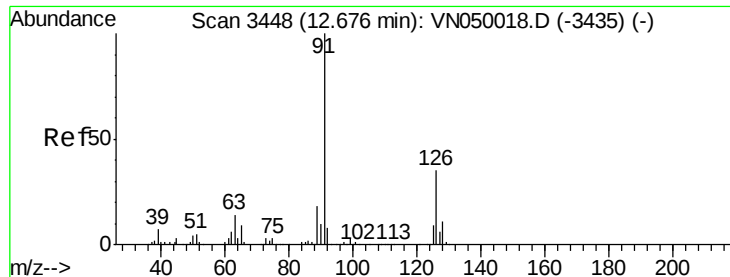
120 23.0 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.00 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

Instrument :

MSVOA_N

ClientSampleId :

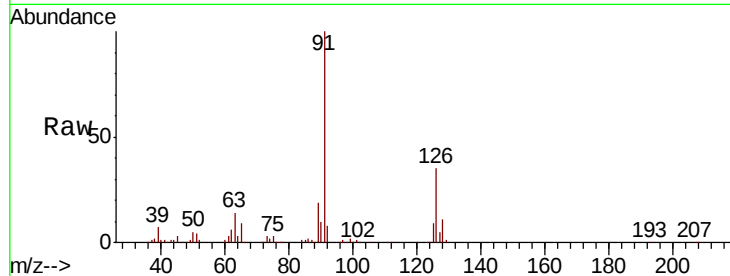
VN0803WBSD03

Tot Ion: 91 Resp: 495371

Ion Ratio Lower Upper

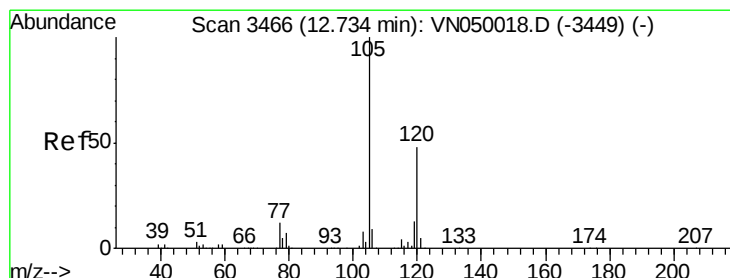
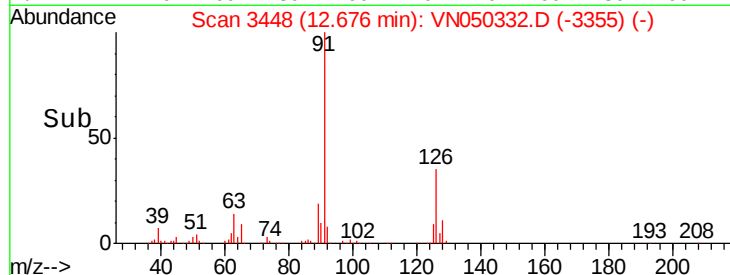
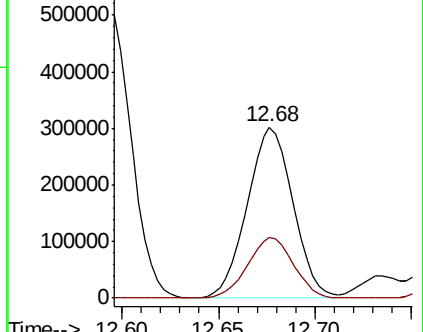
91 100

126 35.5 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VN050018.D (-3435) (-)

Ion 125.90 (125.60 to 126.60): VN050018.D (-3435) (-)



#80

1,3,5-Trimethylbenzene

Concen: 23.38 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050332.D

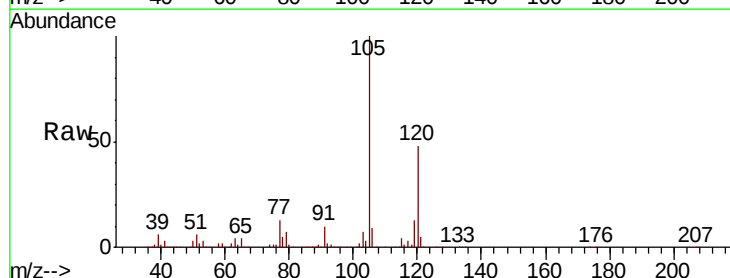
Acq: 4 Aug 2018 00:06

Tgt Ion: 105 Resp: 597696

Ion Ratio Lower Upper

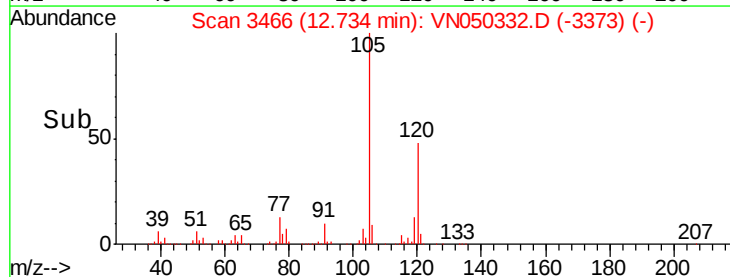
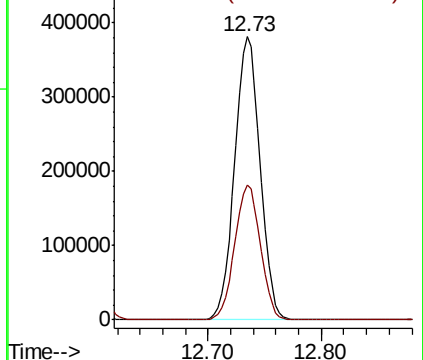
105 100

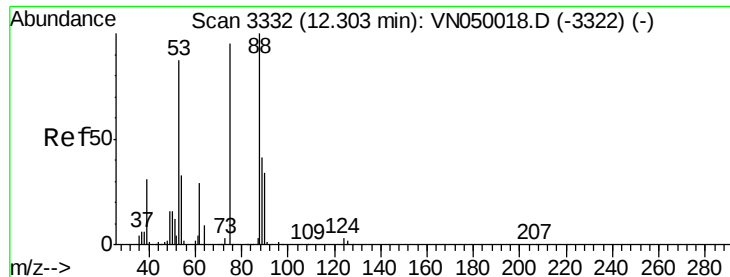
120 48.2 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN050018.D (-3449) (-)

Ion 120.00 (119.70 to 120.70): VN050018.D (-3449) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.52 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBSD03

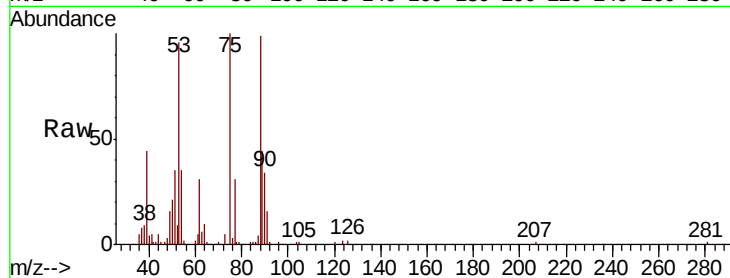
Tot Ion: 75 Resp: 50390

Ion Ratio Lower Upper

75 100

53 95.2 73.5 110.3

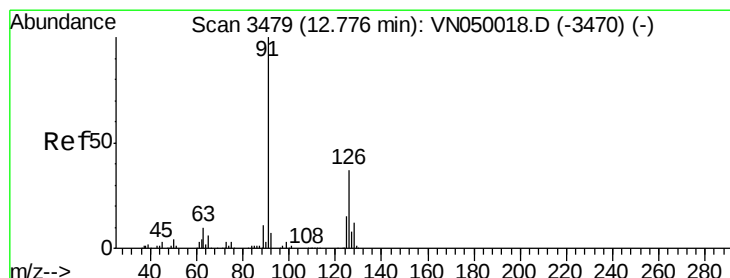
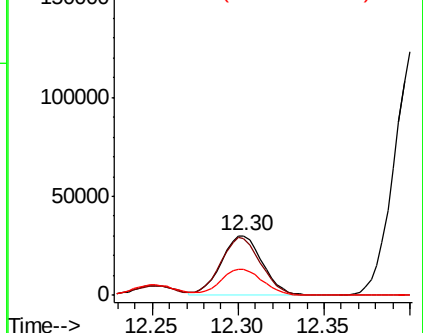
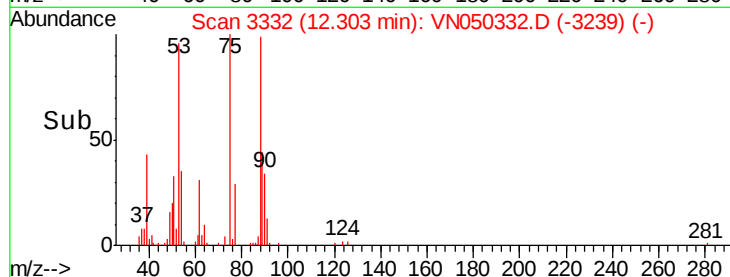
89 44.4 36.0 54.0



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: 22.80 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN050332.D

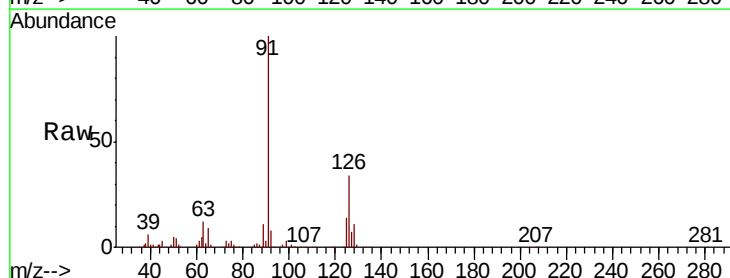
Acq: 4 Aug 2018 00:06

Tgt Ion: 91 Resp: 508355

Ion Ratio Lower Upper

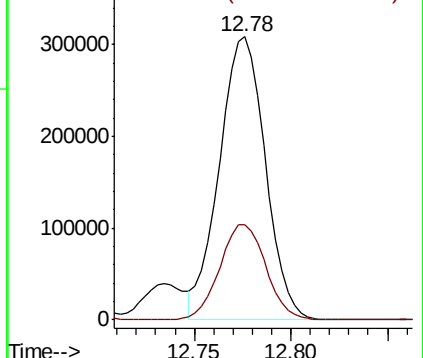
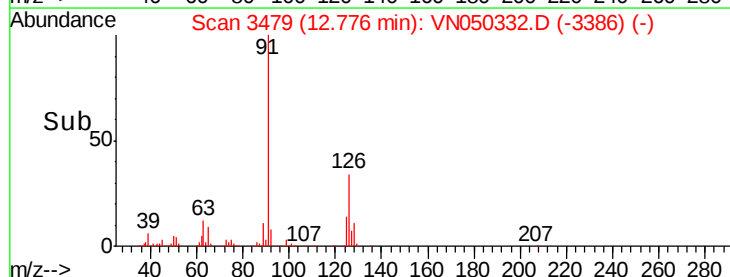
91 100

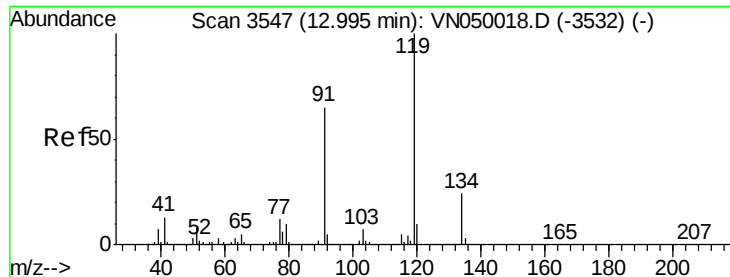
126 34.0 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

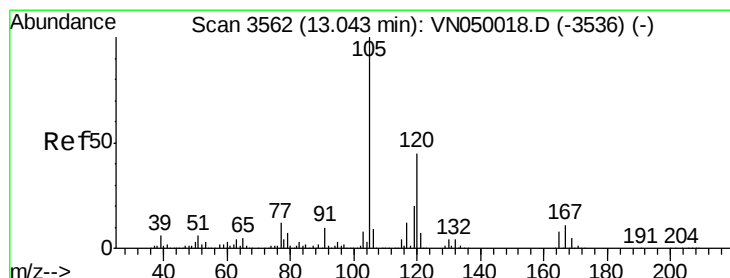
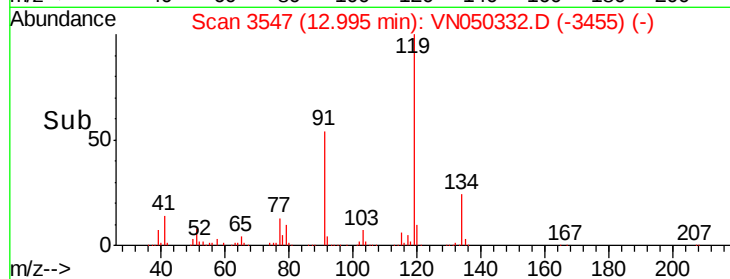
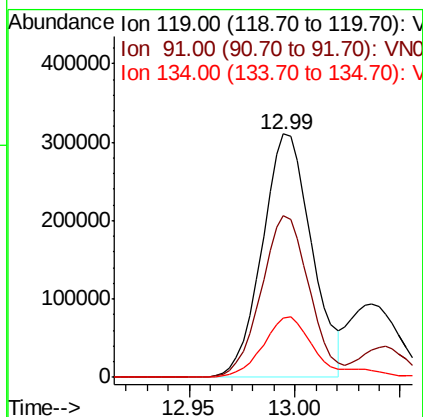
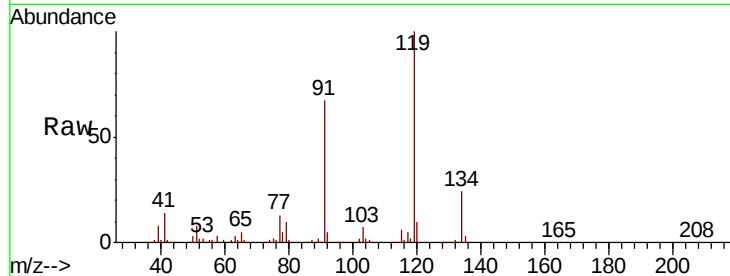




#83
 tert-Butylbenzene
 Concen: 22.78 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050332.D
 Acq: 4 Aug 2018 00:06

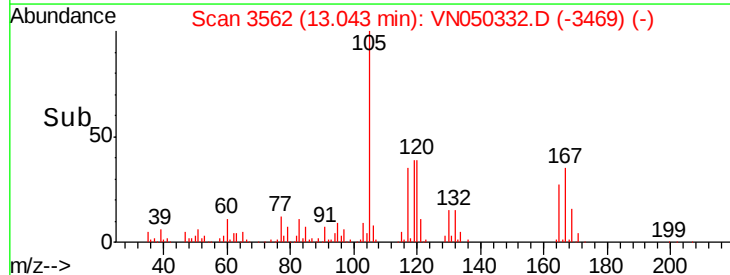
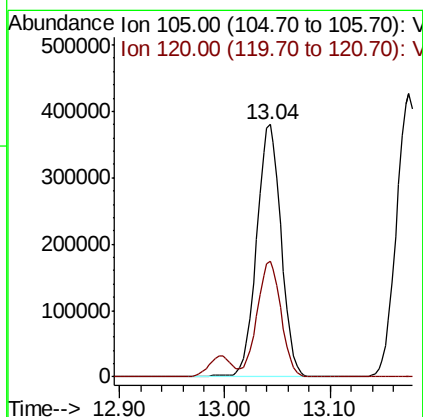
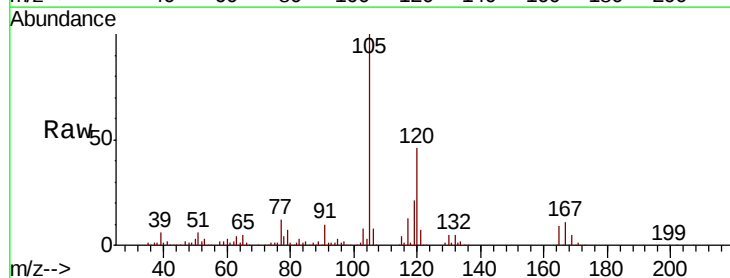
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBSD03

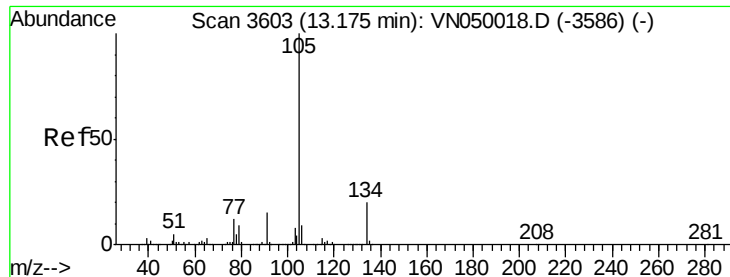
Tot Ion:119 Resp: 508220
 Ion Ratio Lower Upper
 119 100
 91 64.5 32.1 96.3
 134 26.7 13.2 39.5



#84
 1,2,4-Trimethylbenzene
 Concen: 23.92 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN050332.D
 Acq: 4 Aug 2018 00:06

Tgt Ion:105 Resp: 616232
 Ion Ratio Lower Upper
 105 100
 120 44.7 22.9 68.7





#85

sec-Butylbenzene

Concen: 22.86 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

Instrument :

MSVOA_N

ClientSampleId :

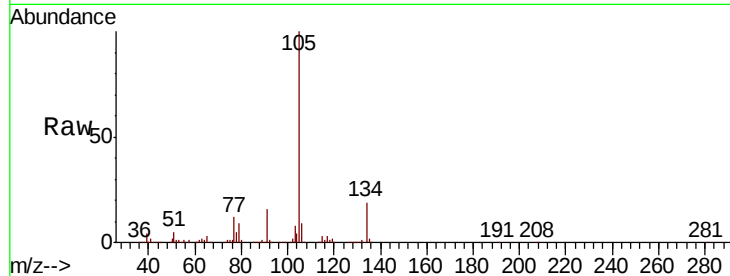
VN0803WBSD03

Tot Ion:105 Resp: 681307

Ion Ratio Lower Upper

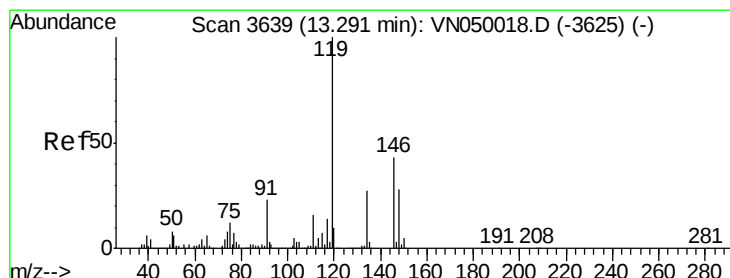
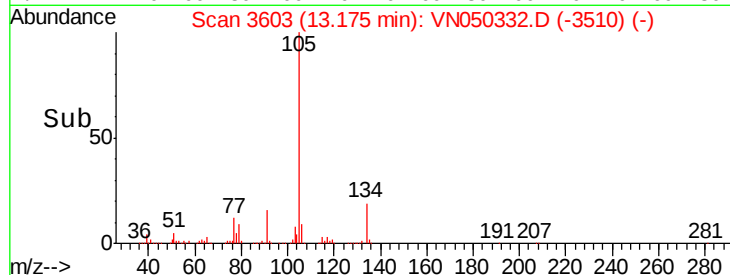
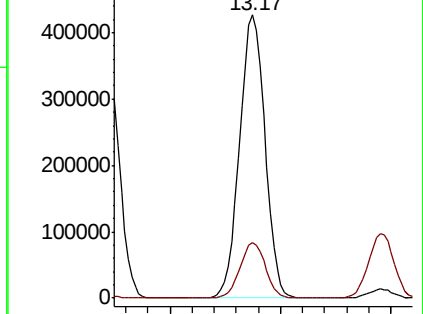
105 100

134 19.6 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 23.23 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

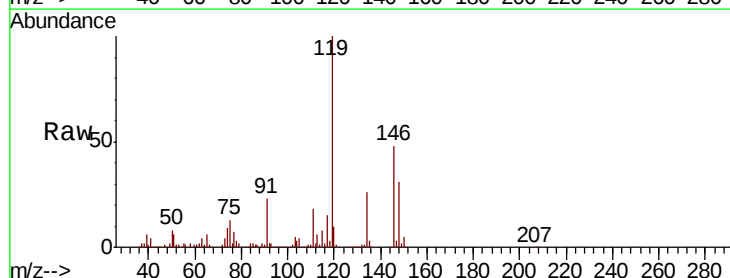
Tgt Ion:119 Resp: 583418

Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.8

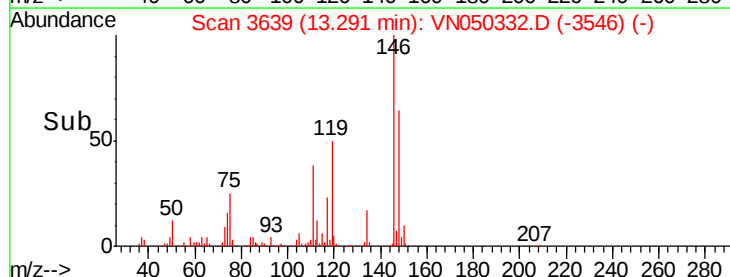
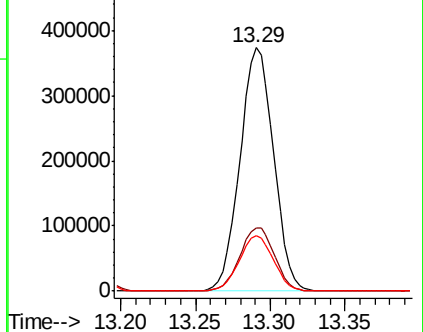
91 22.9 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 22.06 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBSD03

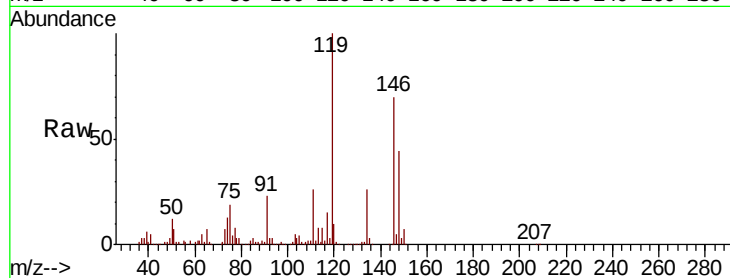
Tot Ion:146 Resp: 336828

Ion Ratio Lower Upper

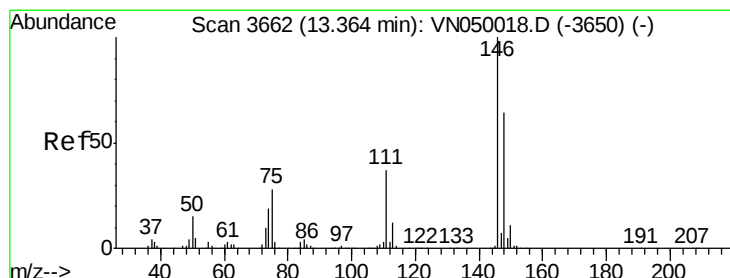
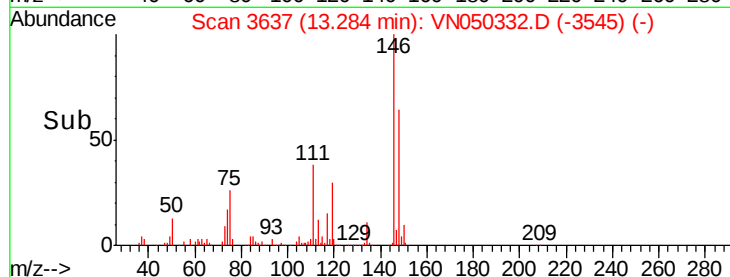
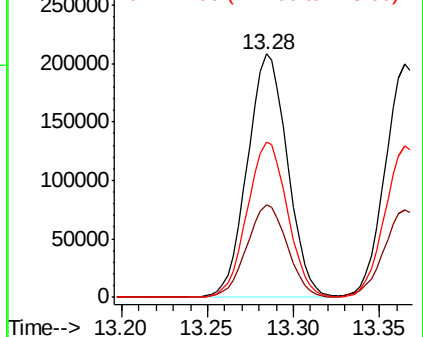
146 100

111 38.3 18.8 56.4

148 64.1 31.9 95.9



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: 22.09 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. 0.00 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

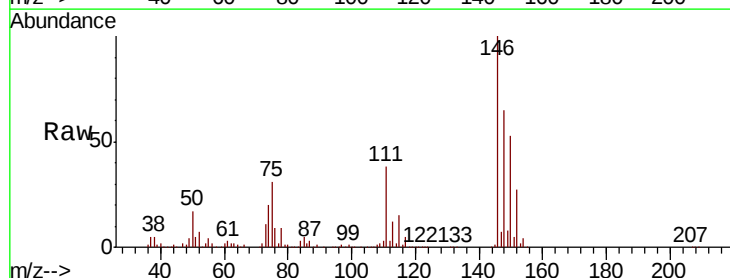
Tgt Ion:146 Resp: 328774

Ion Ratio Lower Upper

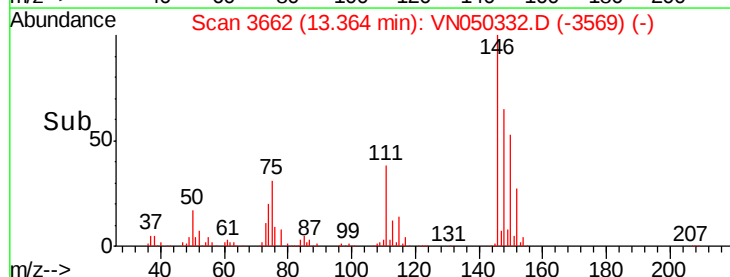
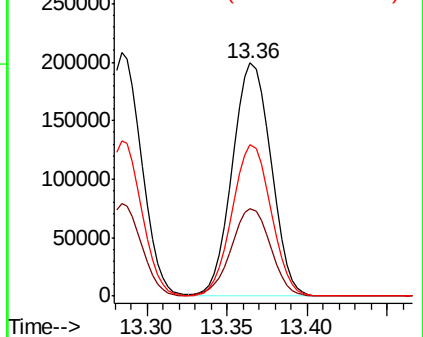
146 100

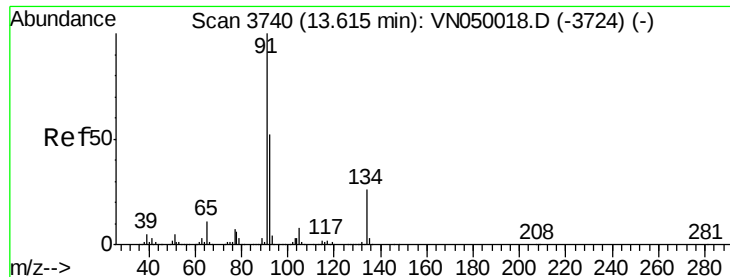
111 38.4 18.3 54.9

148 65.2 31.9 95.9



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: 22.25 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. -0.00 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBSD03

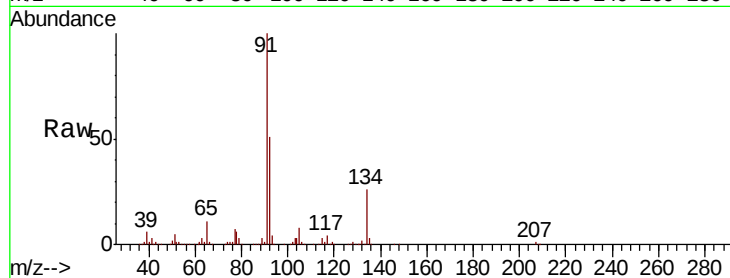
Tot Ion: 91 Resp: 459499

Ion Ratio Lower Upper

91 100

92 51.0 25.8 77.4

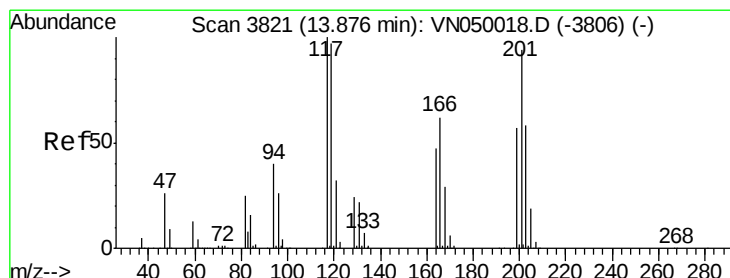
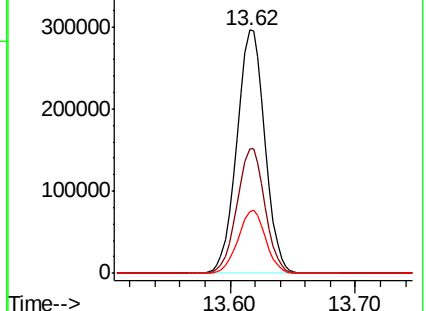
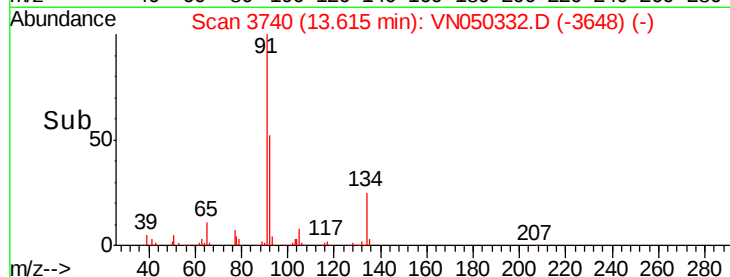
134 25.5 12.8 38.4



Abundance Ion 91.00 (90.70 to 91.70): VN050332.D (-3648) (-)

Ion 92.00 (91.70 to 92.70): VN050332.D (-3648) (-)

Ion 134.00 (133.70 to 134.70): VN050332.D (-3648) (-)



#90

Hexachloroethane

Concen: 17.62 ug/l

RT: 13.88 min Scan# 3821

Delta R.T. 0.00 min

Lab File: VN050332.D

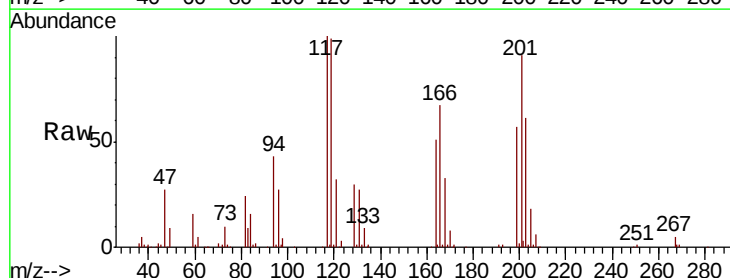
Acq: 4 Aug 2018 00:06

Tgt Ion: 117 Resp: 98239

Ion Ratio Lower Upper

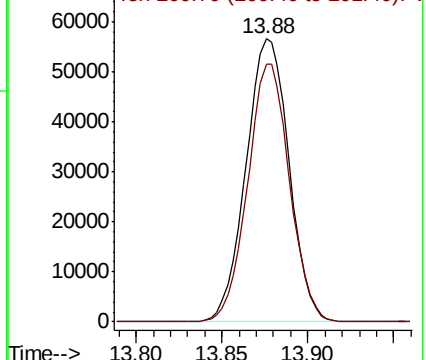
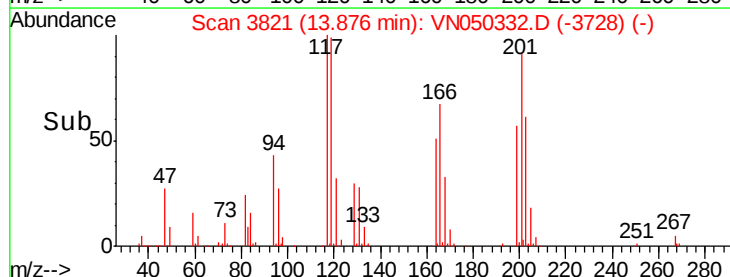
117 100

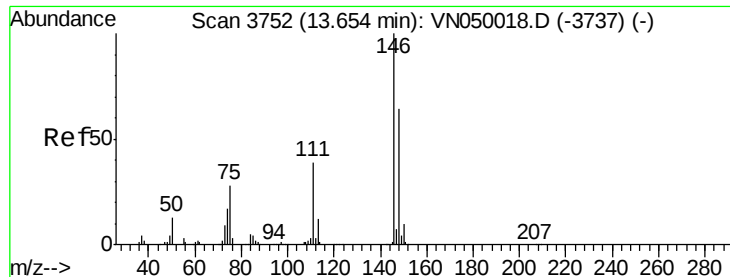
201 88.5 45.6 136.8



Abundance Ion 116.80 (116.50 to 117.50): VN050332.D (-3728) (-)

Ion 200.70 (200.40 to 201.40): VN050332.D (-3728) (-)

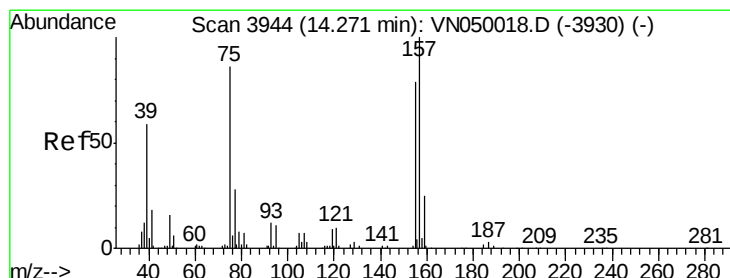
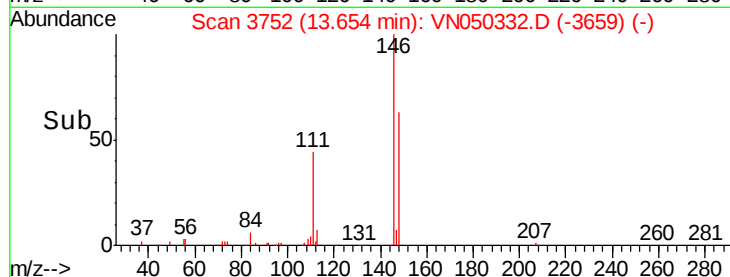
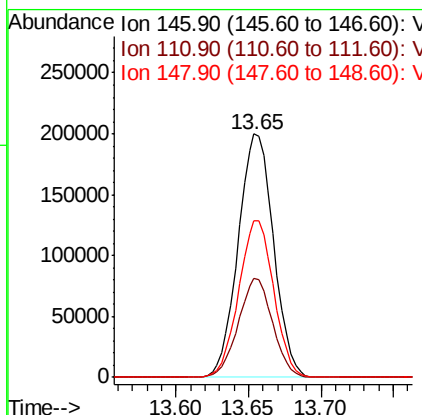
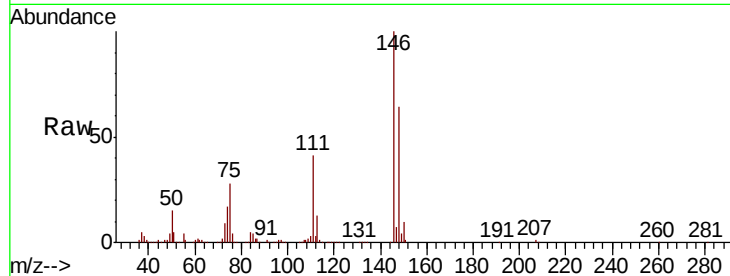




#91
 1,2-Dichlorobenzene
 Concen: 22.18 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050332.D
 Acq: 4 Aug 2018 00:06

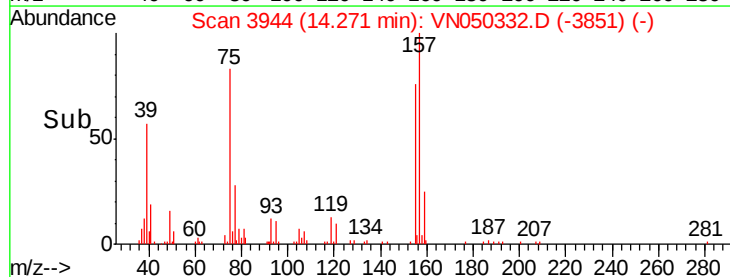
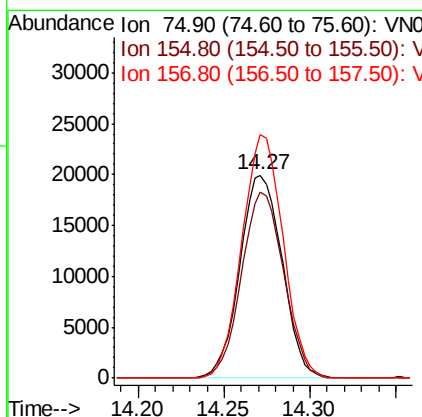
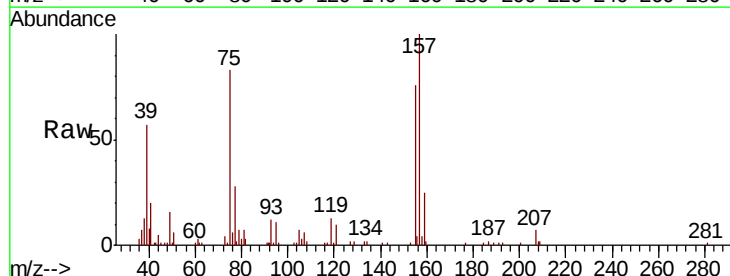
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBSD03

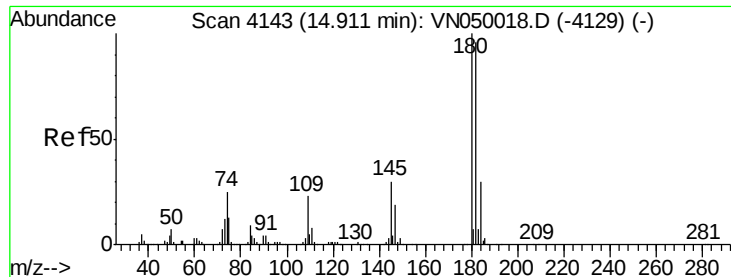
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.6	58.7
148	63.8	32.1	96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.16 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050332.D
 Acq: 4 Aug 2018 00:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.1	44.8	134.4
157	116.5	57.2	171.6





#93

1,2,4-Trichlorobenzene

Concen: 23.63 ug/l

RT: 14.91 min Scan# 4143

Delta R.T. 0.00 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBSD03

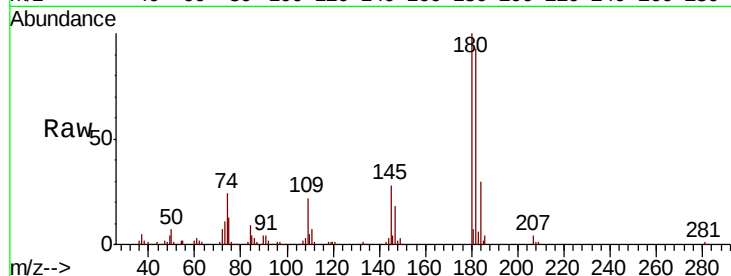
Tot Ion:180 Resp: 177220

Ion Ratio Lower Upper

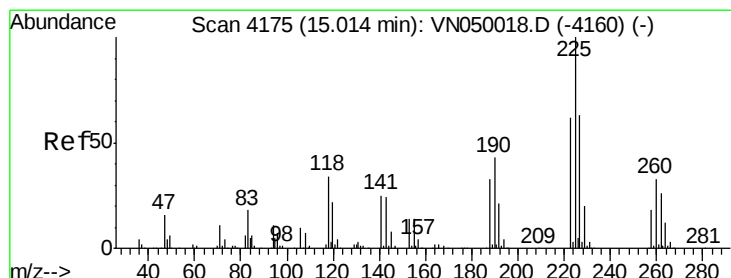
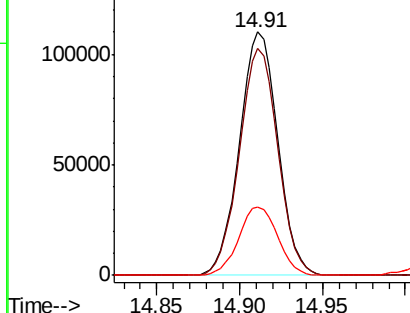
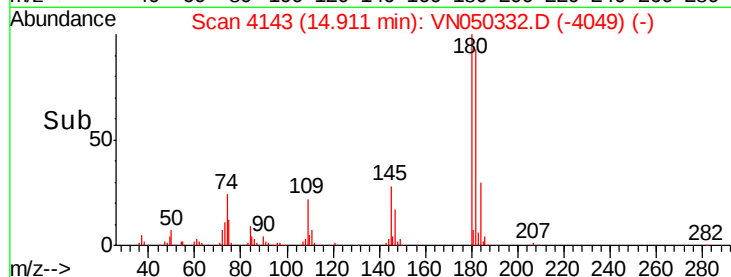
180 100

182 93.7 46.7 140.1

145 28.8 13.8 41.4



Abundance Ion 179.80 (179.50 to 180.50): V
150000 Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 20.73 ug/l

RT: 15.01 min Scan# 4175

Delta R.T. 0.00 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

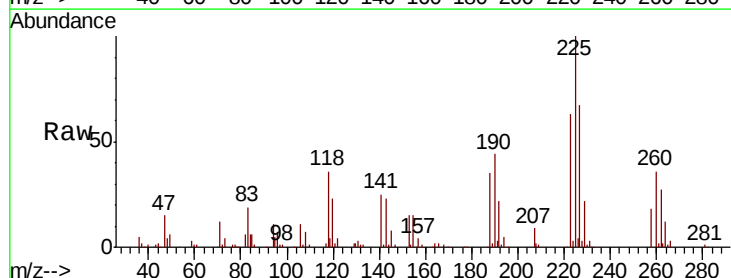
Tgt Ion:225 Resp: 96867

Ion Ratio Lower Upper

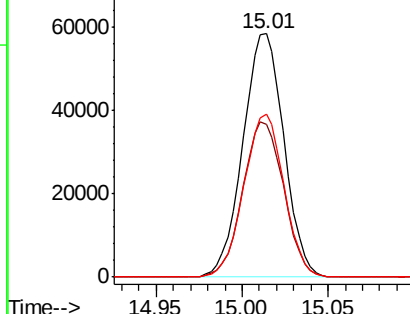
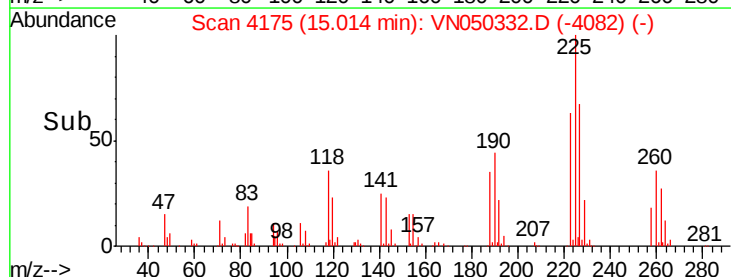
225 100

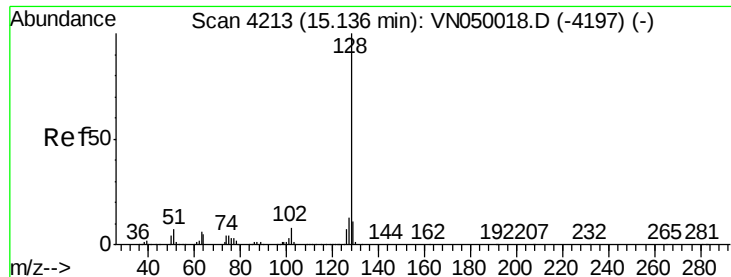
223 63.6 31.4 94.2

227 65.5 32.1 96.5



Abundance Ion 224.70 (224.40 to 225.40): V
80000 Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 24.16 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBSD03

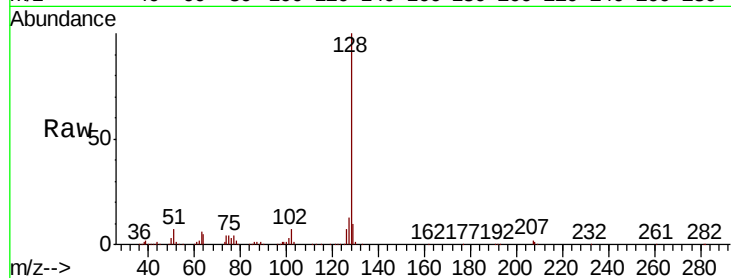
Tot Ion:128 Resp: 414528

Ion Ratio Lower Upper

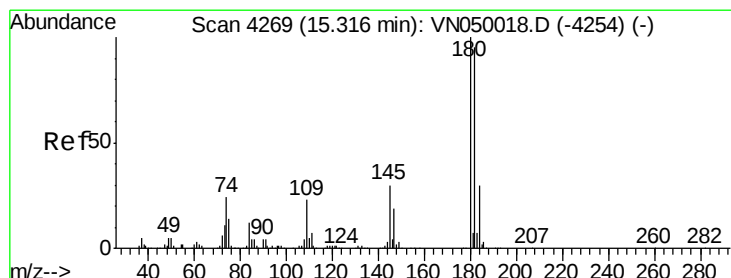
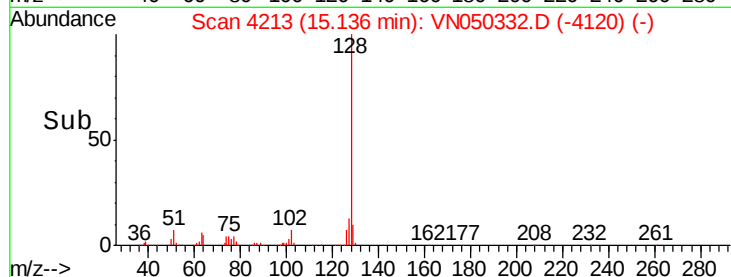
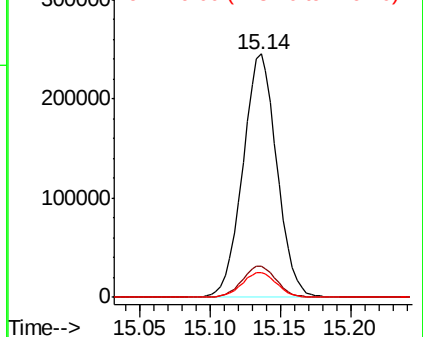
128 100

127 12.9 10.4 15.6

129 10.5 8.8 13.2



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: 23.87 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

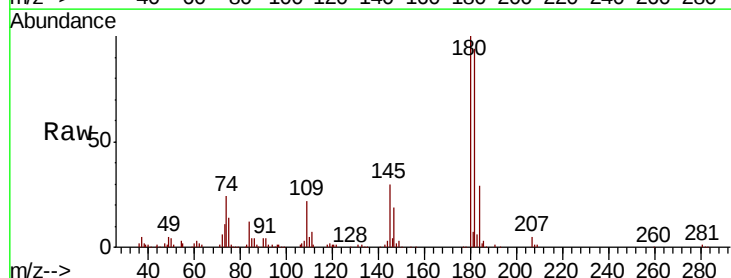
Tgt Ion:180 Resp: 178708

Ion Ratio Lower Upper

180 100

182 94.8 48.1 144.4

145 30.6 15.3 45.9



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

