

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120718\
 Data File : VN052732.D
 Acq On : 7 Dec 2018 17:39
 Operator : MD\SY
 Sample : J6019-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2

Quant Time: Dec 07 22:21:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1168797	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1784902	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1559931	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	650958	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	606889	47.69	ug/l	0.00
Spiked Amount			Recovery	=	95.38%	
35) Dibromofluoromethane	7.59	113	546820	49.69	ug/l	0.00
Spiked Amount			Recovery	=	99.38%	
50) Toluene-d8	10.09	98	2194083	51.22	ug/l	0.00
Spiked Amount			Recovery	=	102.44%	
62) 4-Bromofluorobenzene	12.40	95	726142	50.45	ug/l	0.00
Spiked Amount			Recovery	=	100.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.78	59	1204	1.890	ug/l #	73
13) Acrolein	3.57	56	158121	142.800	ug/l #	1
14) Allyl chloride	4.42	41	101379	5.373	ug/l #	49
15) Acrylonitrile	5.06	53	126276	31.311	ug/l #	39
16) Acetone	3.81	43	408114	121.585	ug/l #	52
17) Carbon Disulfide	4.06	76	9275	0.269	ug/l	97
18) Methyl Acetate	4.60	43	5467833	567.889	ug/l #	52
19) Methyl tert-butyl Ether	5.05	73	23438	0.805	ug/l #	1
20) Methylene Chloride	4.42	84	23507	1.790	ug/l #	15
23) Vinyl Acetate	5.93	43	145434	5.891	ug/l #	78
24) 1,1-Dichloroethane	5.93	63	46640	2.061	ug/l #	84
25) 2-Butanone	6.84	43	48600	10.215	ug/l #	73
26) 2,2-Dichloropropane	6.72	77	5463	0.349	ug/l #	52
28) Bromochloromethane	7.39	49	28116	2.720	ug/l #	14
29) Tetrahydrofuran	7.22	42	7708	2.512	ug/l #	35
30) Chloroform	7.39	83	92294	4.088	ug/l #	61
31) Cyclohexane	7.65	56	2187939	100.252	ug/l	99
36) 1,1-Dichloropropene	7.66	75	83031	4.926	ug/l #	73
37) Ethyl Acetate	6.84	43	48600	4.725	ug/l #	70
38) Carbon Tetrachloride	7.66	117	103098	6.757	ug/l #	15
39) Methylcyclohexane	9.08	83	1611969	78.683	ug/l	99
40) Benzene	8.04	78	663162	13.202	ug/l	98
41) Methacrylonitrile	7.21	41	88303	15.702	ug/l #	48
42) 1,2-Dichloroethane	8.17	62	10694	0.703	ug/l #	1
43) Isopropyl Acetate	8.15	43	191266	10.987	ug/l #	51
45) 1,2-Dichloropropane	9.08	63	10373	0.777	ug/l #	1
46) Dibromomethane	9.22	93	1636	0.221	ug/l #	1
47) Bromodichloromethane	9.39	83	110811	6.894	ug/l #	26
48) Methyl methacrylate	9.15	41	31214	3.439	ug/l #	40
51) 4-Methyl-2-Pentanone	9.97	43	6968	0.713	ug/l	97
52) Toluene	10.16	92	213429	7.151	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	180853	17.227	ug/l #	18
56) Ethyl methacrylate	10.43	69	10845	3.397	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.68	63	15486	2.033	ug/l #	49

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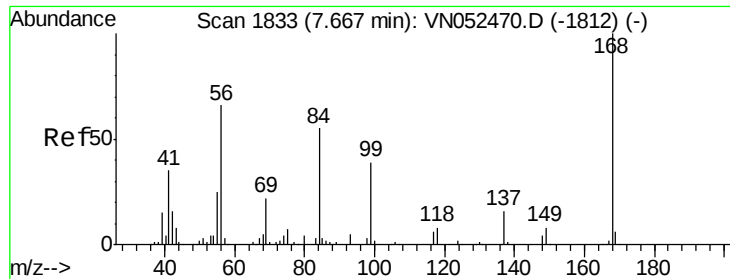
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2

Quant Time: Dec 07 22:21:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

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

59) 2-Hexanone	10.76	43	6911	1.054	ug/l	92
67) Ethyl Benzene	11.51	91	2217495	39.368	ug/l	100
68) m/p-Xylenes	11.63	106	683456	32.593	ug/l	100
69) o-Xylene	11.95	106	37039	1.819	ug/l	98
71) Bromoform	12.40	173	4556	0.615	ug/l #	1
73) Isopropylbenzene	12.25	105	6554130	128.332	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.53	83	2409	0.207	ug/l #	26
76) 1,2,3-Trichloropropane	12.59	75	28623	2.851	ug/l #	100
78) n-propylbenzene	12.59	91	4858630	83.741	ug/l	100
79) 2-Chlorotoluene	12.59	91	4858630	140.622	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.69	105	979578	24.049	ug/l	72
81) trans-1,4-Dichloro-2-buten	12.25	75	68931	22.932	ug/l #	61
82) 4-Chlorotoluene	12.89	91	314934	9.044	ug/l #	41
83) tert-Butylbenzene	12.99	119	88312	2.432	ug/l	97
84) 1,2,4-Trimethylbenzene	12.89	105	2730792	66.898	ug/l	78
85) sec-Butylbenzene	13.17	105	302827	6.123	ug/l #	65
86) p-Isopropyltoluene	13.29	119	131489	3.121	ug/l #	78
88) 1,4-Dichlorobenzene	13.36	146	4681	0.215	ug/l #	34
89) n-Butylbenzene	13.62	91	389941	11.130	ug/l #	74
90) Hexachloroethane	13.89	117	328785	46.095	ug/l #	6
92) 1,2-Dibromo-3-Chloropropan	14.21	75	15737	9.471	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	8169	3.496	ug/l #	1
94) Hexachlorobutadiene	15.01	225	1542	0.227	ug/l	78
95) Naphthalene	15.13	128	205198	11.227	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	7914	3.431	ug/l #	78

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052732.D

Acq: 7 Dec 2018 17:39

Instrument :

MSVOA_N

ClientSampled :

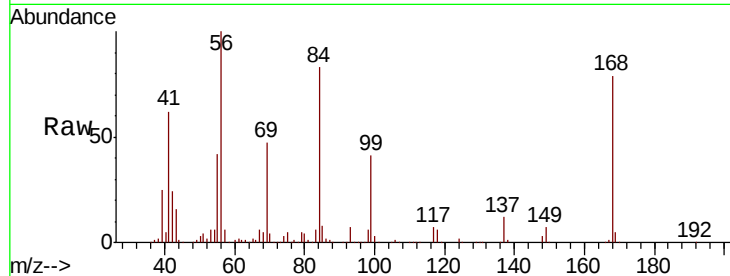
MW-2

Tot Ion:168 Resp: 1168797

Ion Ratio Lower Upper

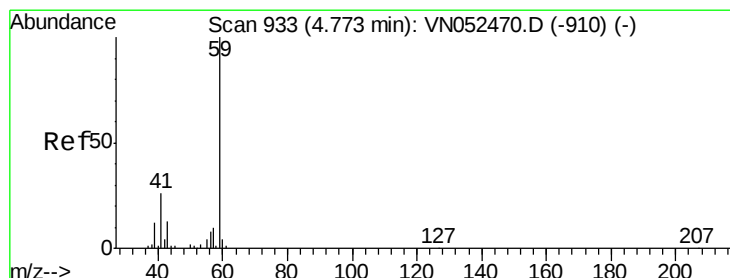
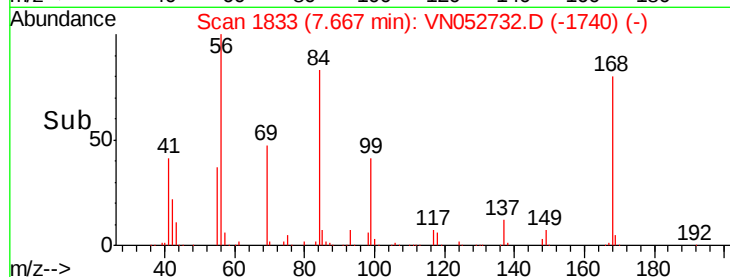
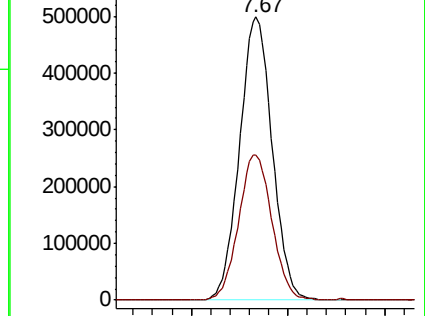
168 100

99 51.4 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#11

Tert butyl alcohol

Concen: 1.890 ug/l

RT: 4.78 min Scan# 936

Delta R.T. 0.01 min

Lab File: VN052732.D

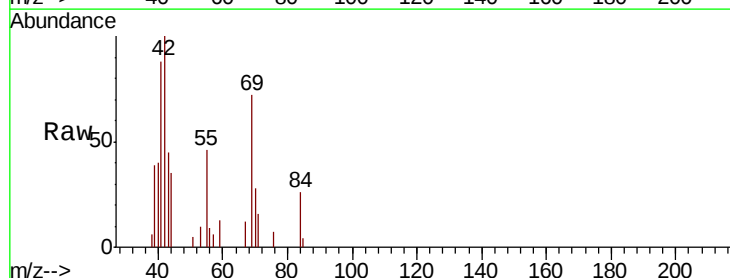
Acq: 7 Dec 2018 17:39

Tgt Ion: 59 Resp: 1204

Ion Ratio Lower Upper

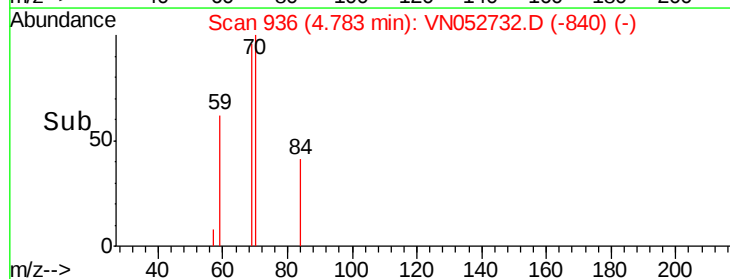
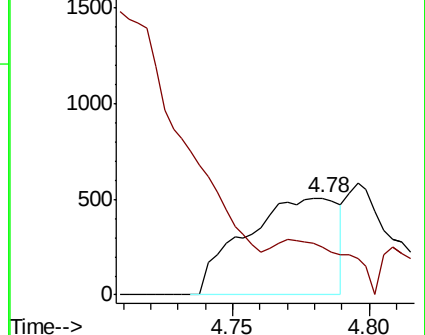
59 100

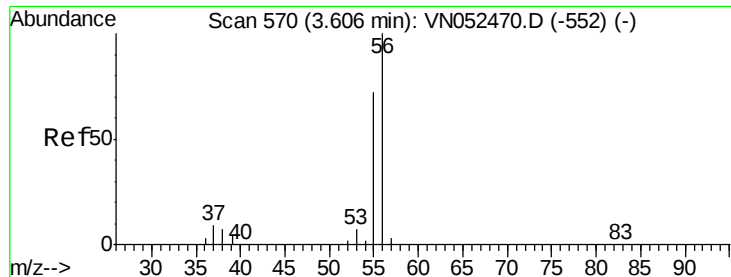
57 0.0 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO





#13

Acrolein

Concen: 142.800 ug/l

RT: 3.57 min Scan# 559

Delta R.T. -0.04 min

Lab File: VN052732.D

Acq: 7 Dec 2018 17:39

Instrument :

MSVOA_N

ClientSampleId :

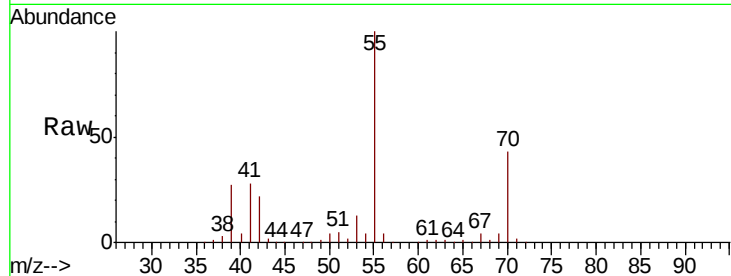
MW-2

Tot Ion: 56 Resp: 158121

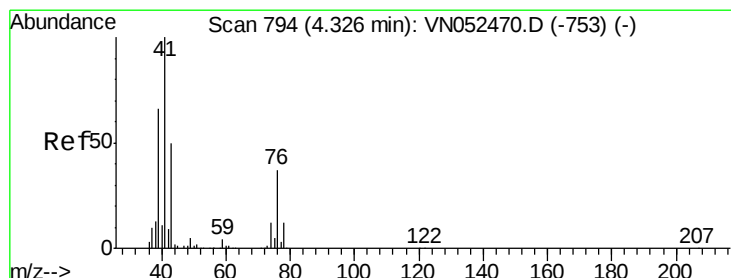
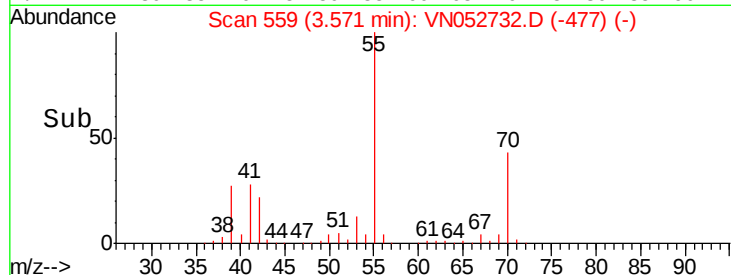
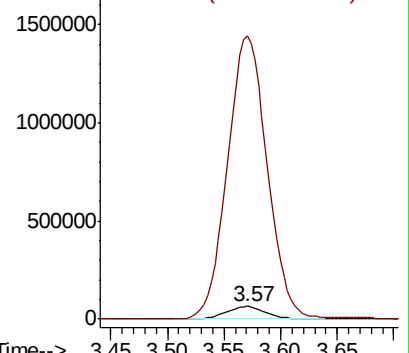
Ion Ratio Lower Upper

56 100

55 2223.2 56.8 85.2#



Abundance Ion 56.00 (55.70 to 56.70): VN052732.D (-477) (-)



#14

Allyl chloride

Concen: 5.373 ug/l

RT: 4.42 min Scan# 824

Delta R.T. 0.10 min

Lab File: VN052732.D

Acq: 7 Dec 2018 17:39

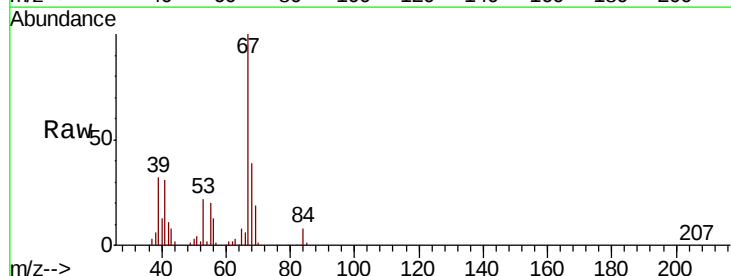
Tgt Ion: 41 Resp: 101379

Ion Ratio Lower Upper

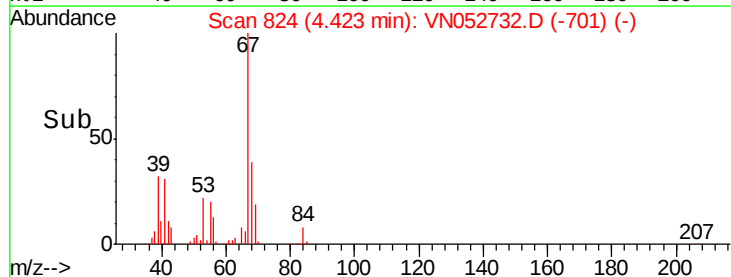
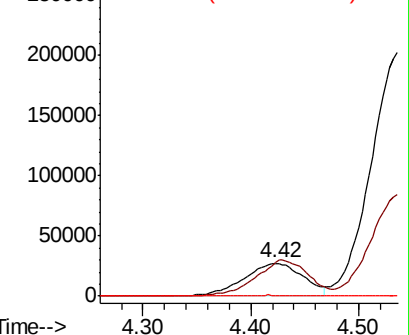
41 100

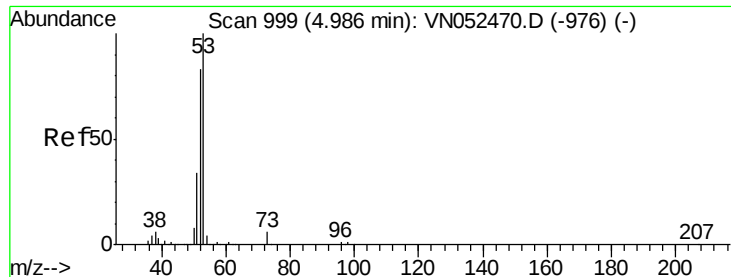
39 99.9 50.6 76.0#

76 0.0 27.4 41.2#



Abundance Ion 41.00 (40.70 to 41.70): VN052732.D (-701) (-)





#15

Acrylonitrile

Concen: 31.311 ug/l

RT: 5.06 min Scan# 1022

Delta R.T. 0.07 min

Lab File: VN052732.D

Acq: 7 Dec 2018 17:39

Instrument :

MSVOA_N

ClientSampled :

MW-2

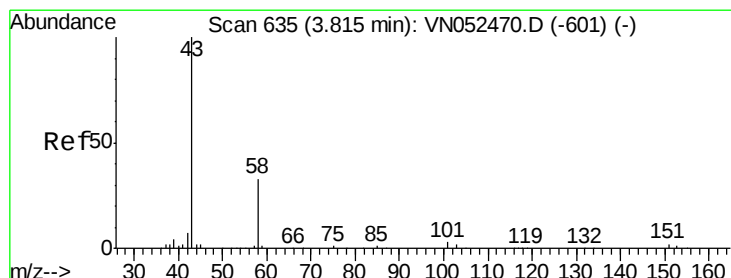
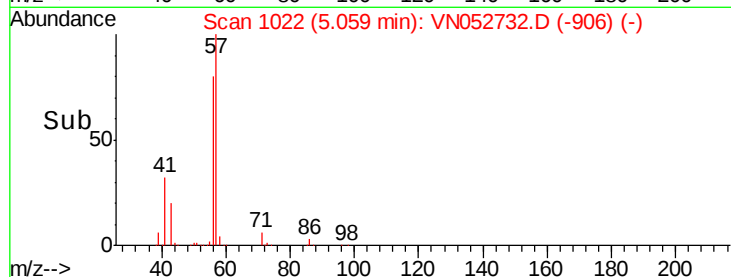
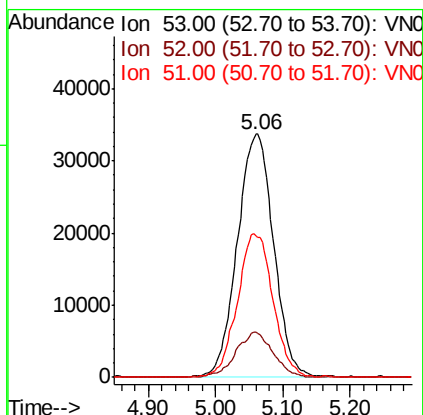
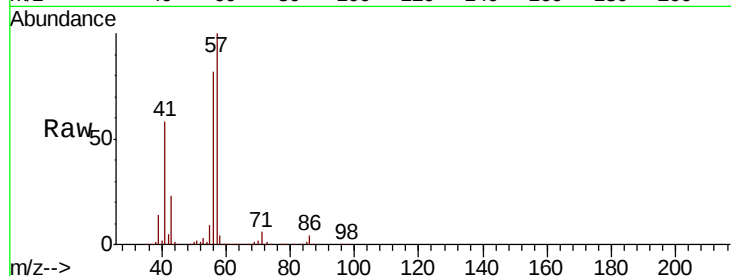
Tot Ion: 53 Resp: 126276

Ion Ratio Lower Upper

53 100

52 19.0 66.2 99.2#

51 57.8 28.1 42.1#



#16

Acetone

Concen: 121.585 ug/l

RT: 3.81 min Scan# 632

Delta R.T. -0.01 min

Lab File: VN052732.D

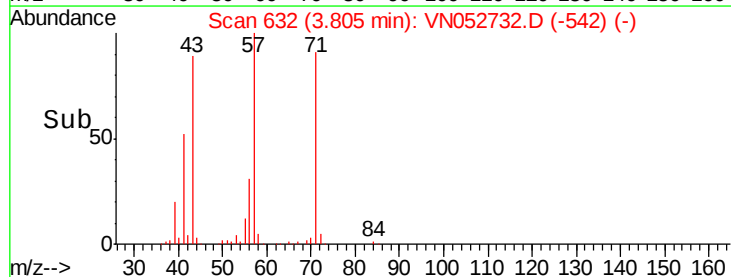
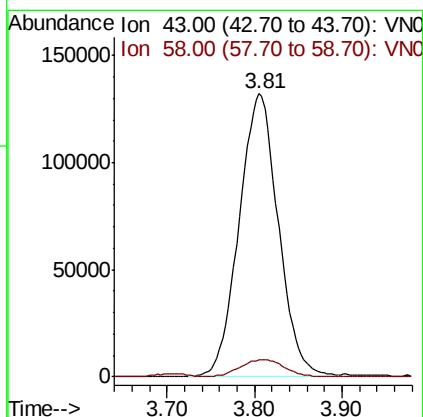
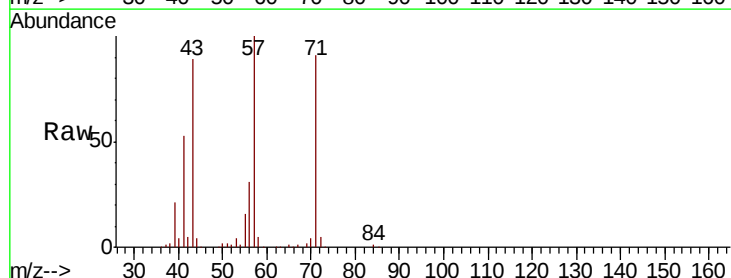
Acq: 7 Dec 2018 17:39

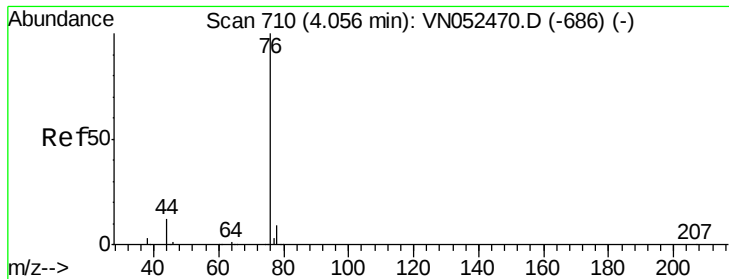
Tgt Ion: 43 Resp: 408114

Ion Ratio Lower Upper

43 100

58 5.8 26.0 39.0#





#17

Carbon Disulfide

Concen: 0.269 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN052732.D

Acq: 7 Dec 2018 17:39

Instrument :

MSVOA_N

ClientSampleId :

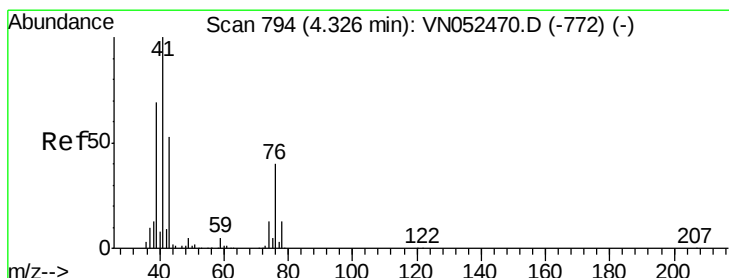
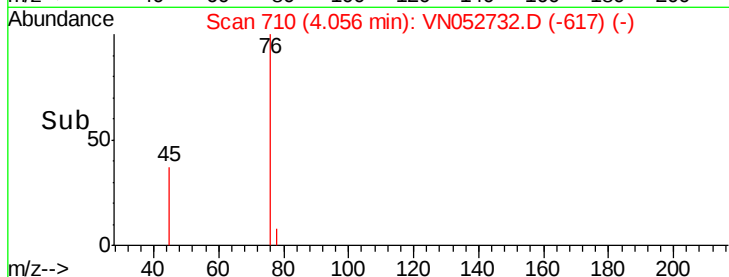
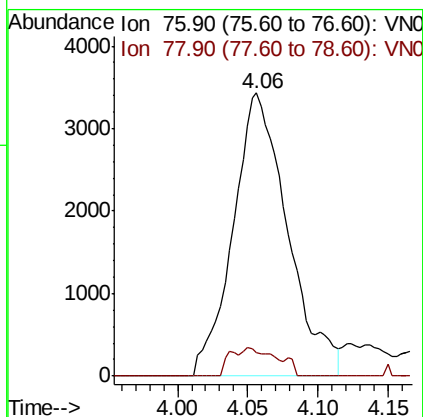
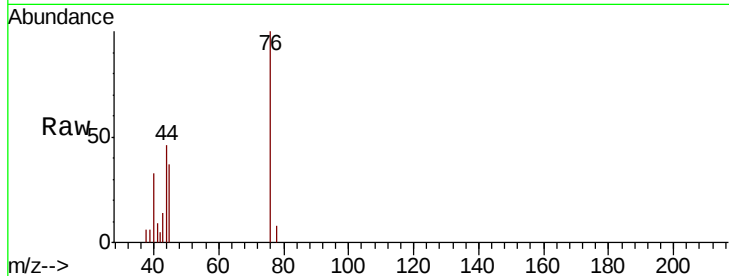
MW-2

Tot Ion: 76 Resp: 9275

Ion Ratio Lower Upper

76 100

78 8.3 7.4 11.0



#18

Methyl Acetate

Concen: 567.889 ug/l

RT: 4.60 min Scan# 878

Delta R.T. 0.27 min

Lab File: VN052732.D

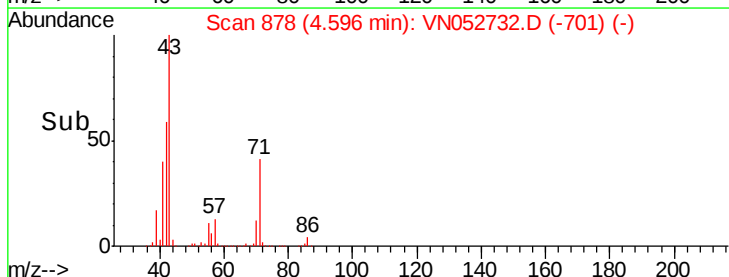
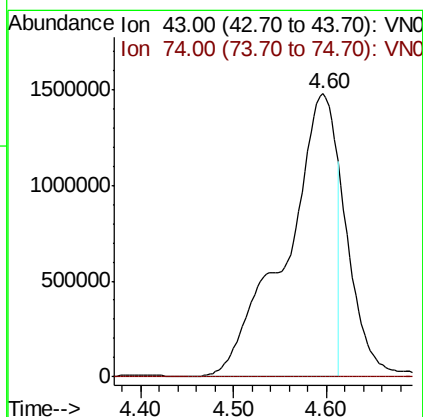
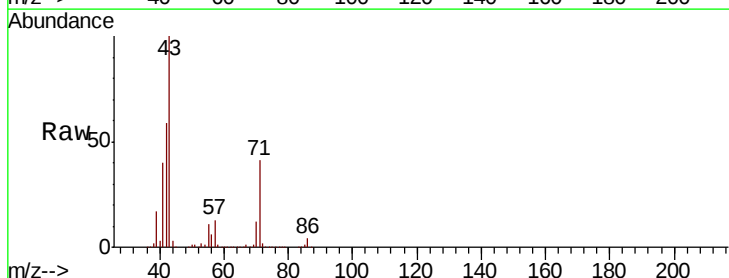
Acq: 7 Dec 2018 17:39

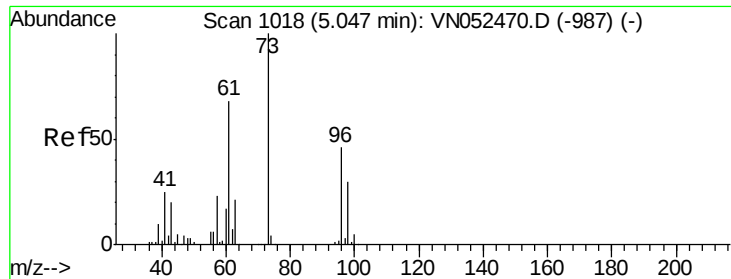
Tgt Ion: 43 Resp: 5467833

Ion Ratio Lower Upper

43 100

74 0.0 18.6 27.8#

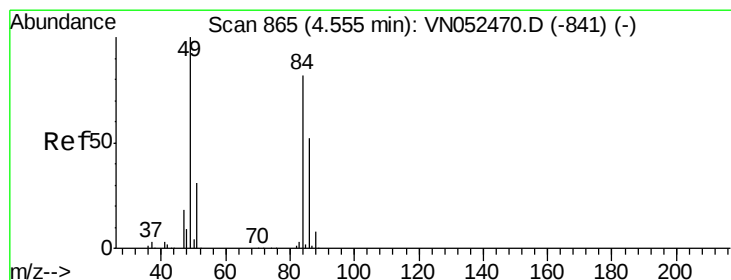
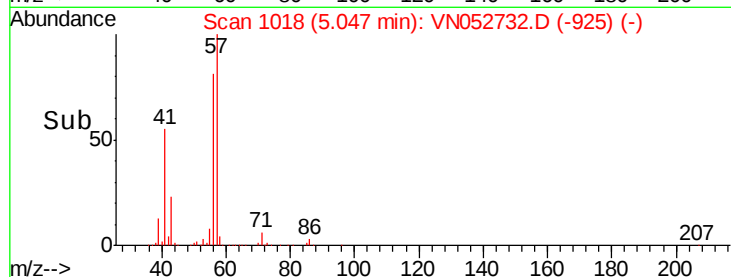
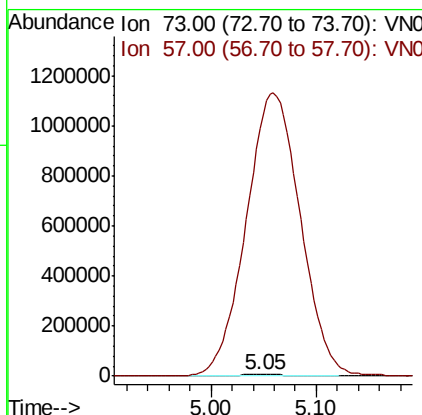
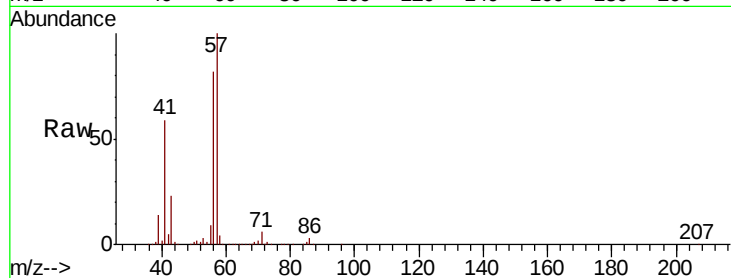




#19
Methyl tert-butyl Ether
Concen: 0.805 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052732.D
Acq: 7 Dec 2018 17:39

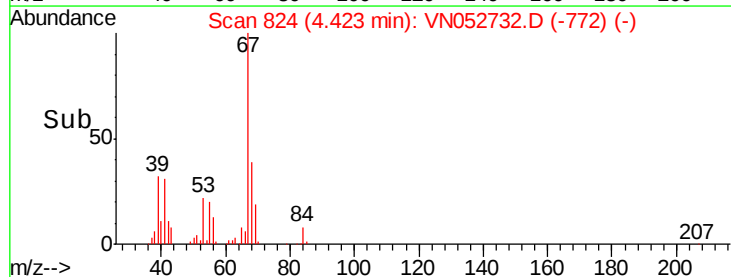
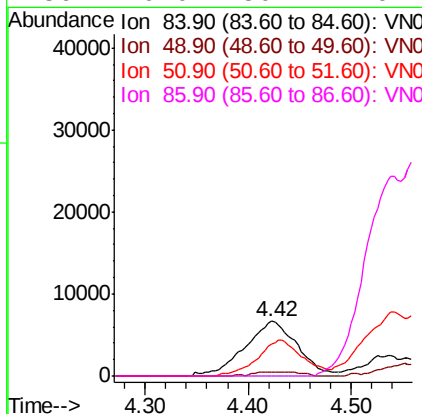
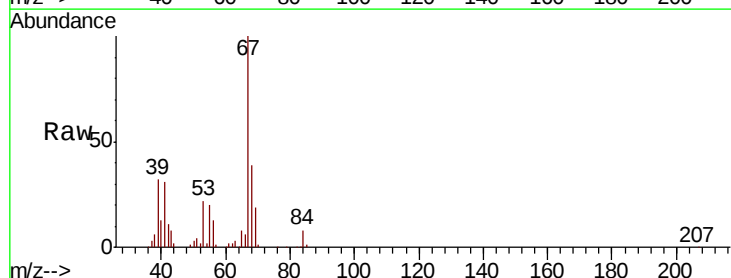
Instrument :
MSVOA_N
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MW-2

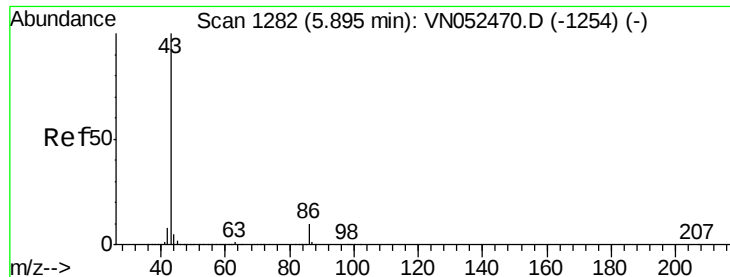
Tot Ion: 73 Resp: 23438
Ion Ratio Lower Upper
73 100
57 15563.1 18.2 27.2#



#20
Methylene Chloride
Concen: 1.790 ug/l
RT: 4.42 min Scan# 824
Delta R.T. -0.13 min
Lab File: VN052732.D
Acq: 7 Dec 2018 17:39

Tgt Ion: 84 Resp: 23507
Ion Ratio Lower Upper
84 100
49 7.0 98.0 147.0#
51 57.9 30.1 45.1#
86 0.0 50.7 76.1#





#23

Vinyl Acetate

Concen: 5.891 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. 0.03 min

Lab File: VN052732.D

Acq: 7 Dec 2018 17:39

Instrument :

MSVOA_N

ClientSampled :

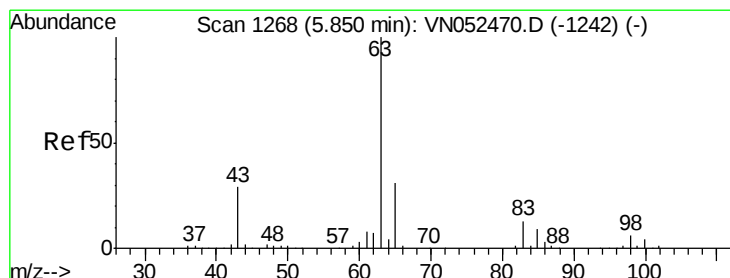
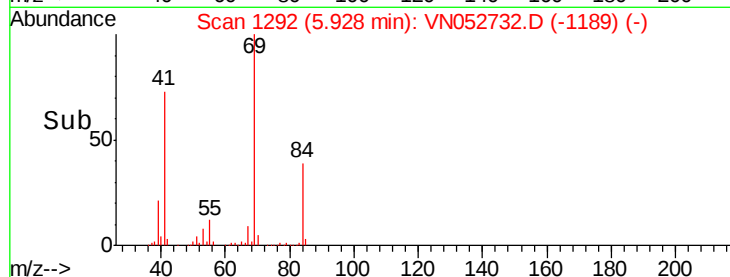
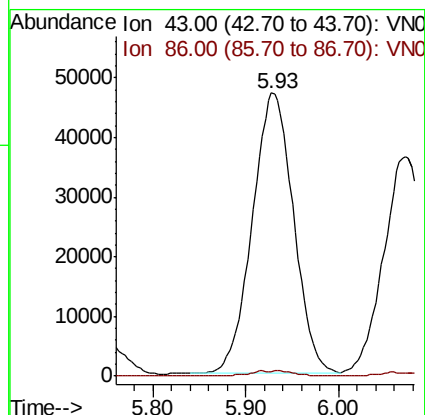
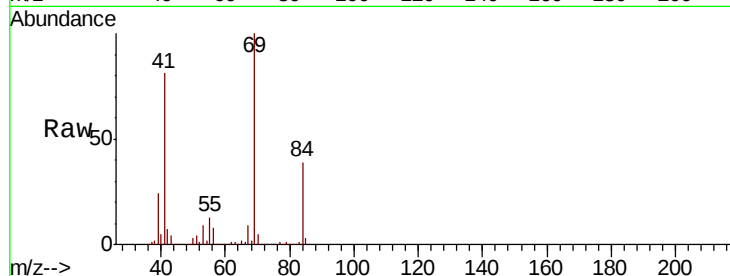
MW-2

Tot Ion: 43 Resp: 145434

Ion Ratio Lower Upper

43 100

86 1.7 7.8 11.8#



#24

1,1-Dichloroethane

Concen: 2.061 ug/l

RT: 5.93 min Scan# 1293

Delta R.T. 0.08 min

Lab File: VN052732.D

Acq: 7 Dec 2018 17:39

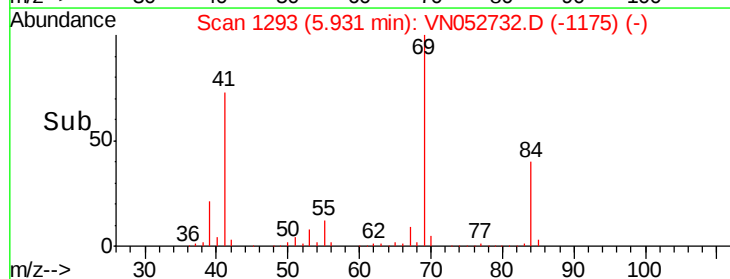
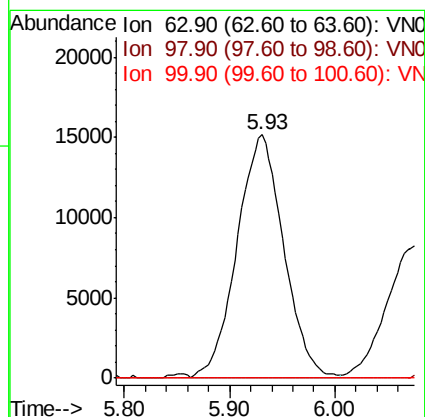
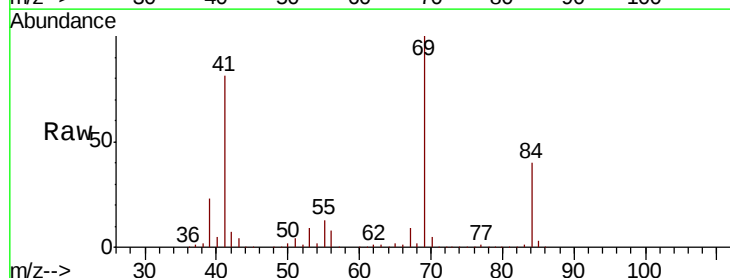
Tgt Ion: 63 Resp: 46640

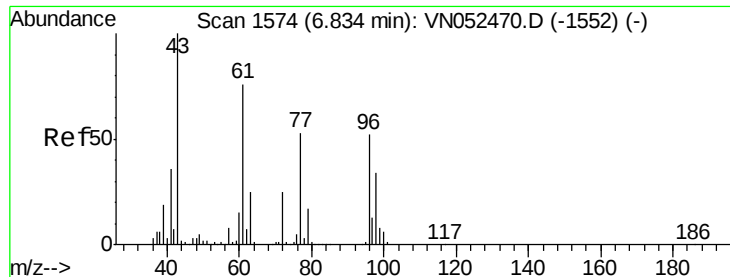
Ion Ratio Lower Upper

63 100

98 0.0 3.0 9.2#

100 0.0 2.0 5.8#

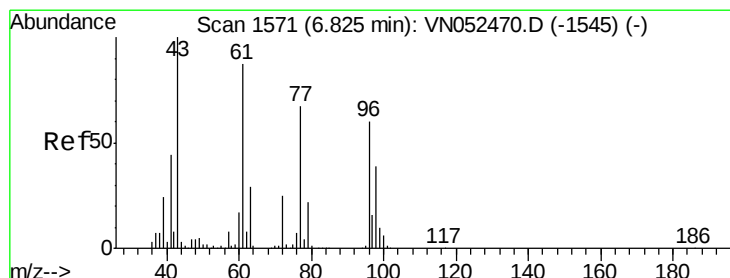
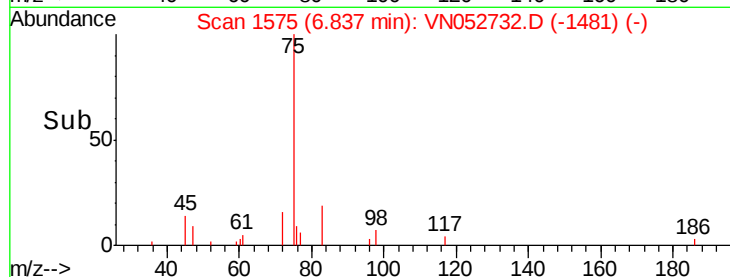
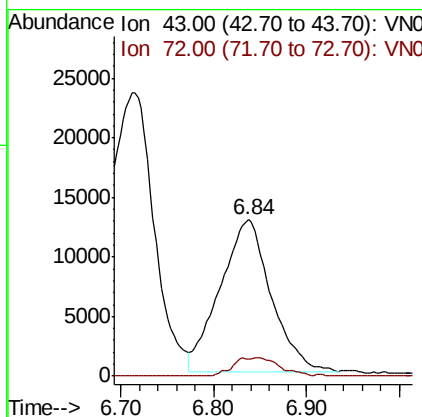
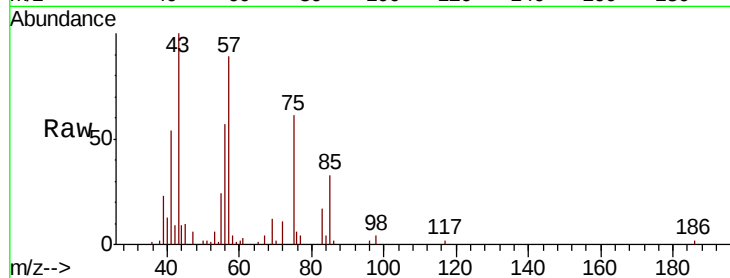




#25
2-Butanone
Concen: 10.215 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN052732.D
Acq: 7 Dec 2018 17:39

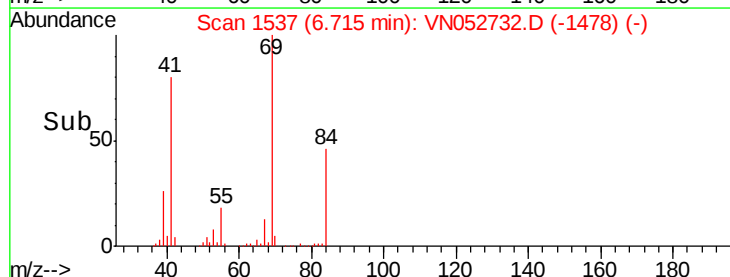
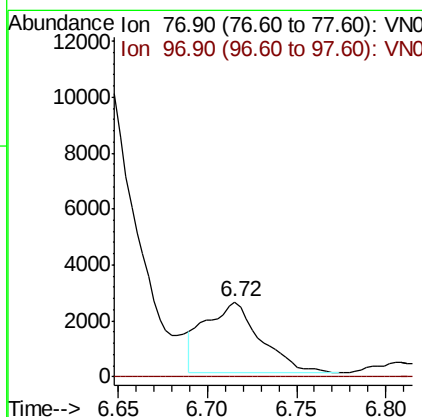
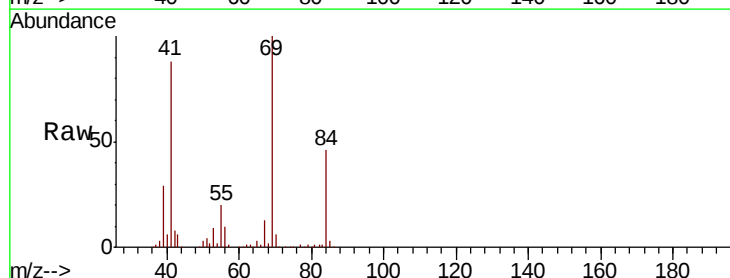
Instrument :
MSVOA_N
ClientSampled :
MW-2

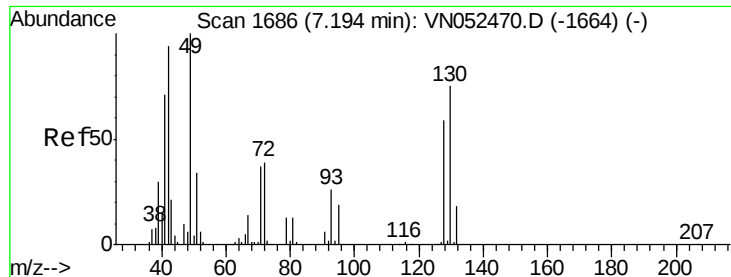
Tot Ion: 43 Resp: 48600
Ion Ratio Lower Upper
43 100
72 11.3 20.1 30.1#



#26
2,2-Dichloropropane
Concen: 0.349 ug/l
RT: 6.72 min Scan# 1537
Delta R.T. -0.11 min
Lab File: VN052732.D
Acq: 7 Dec 2018 17:39

Tgt Ion: 77 Resp: 5463
Ion Ratio Lower Upper
77 100
97 0.0 11.8 35.3#





#28

Bromochloromethane

Concen: 2.720 ug/l

RT: 7.39 min Scan# 1746

Delta R.T. 0.19 min

Lab File: VN052732.D

Acq: 7 Dec 2018 17:39

Instrument :

MSVOA_N

ClientSampled :

MW-2

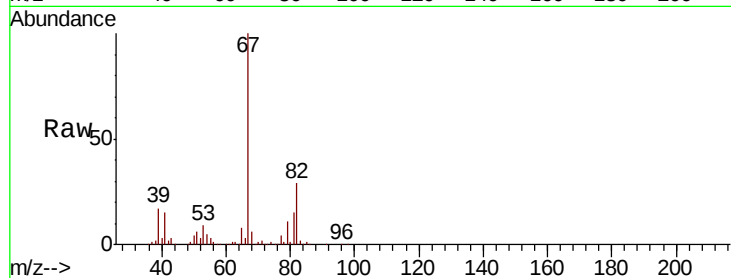
Tot Ion: 49 Resp: 28116

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

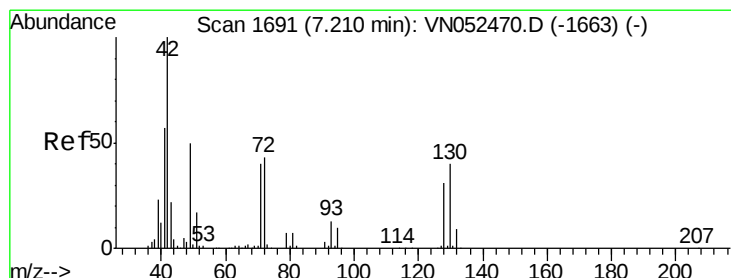
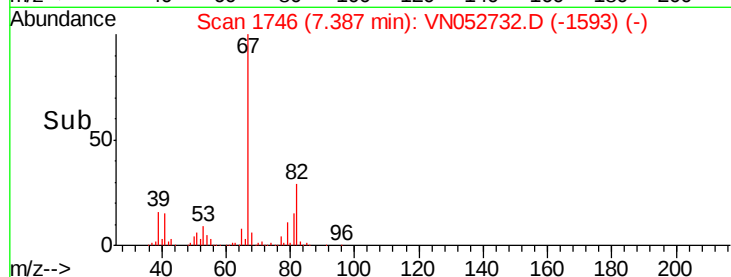
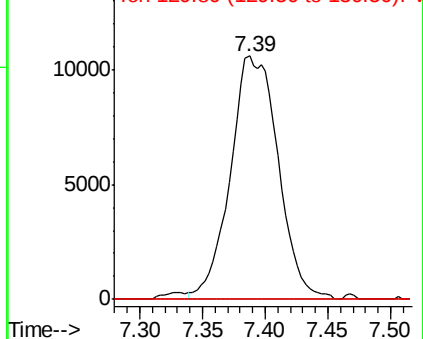
130 0.0 60.2 90.2#



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: 2.512 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. 0.01 min

Lab File: VN052732.D

Acq: 7 Dec 2018 17:39

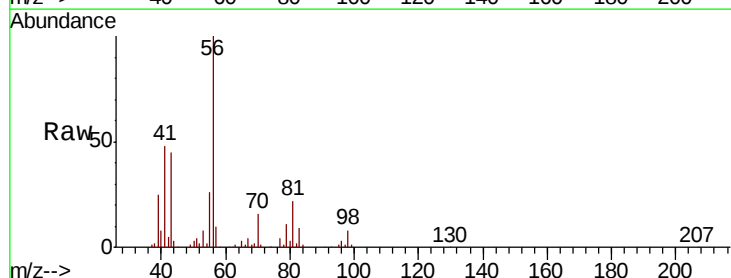
Tgt Ion: 42 Resp: 7708

Ion Ratio Lower Upper

42 100

72 0.0 33.3 49.9#

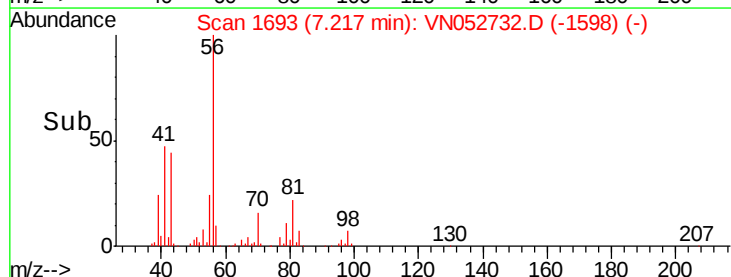
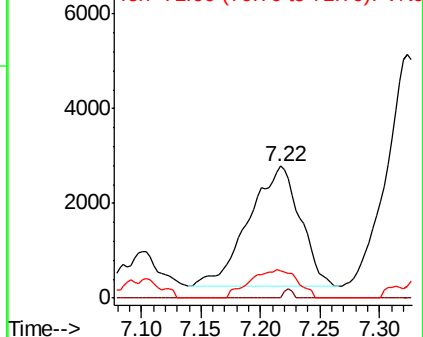
71 0.0 32.0 48.0#

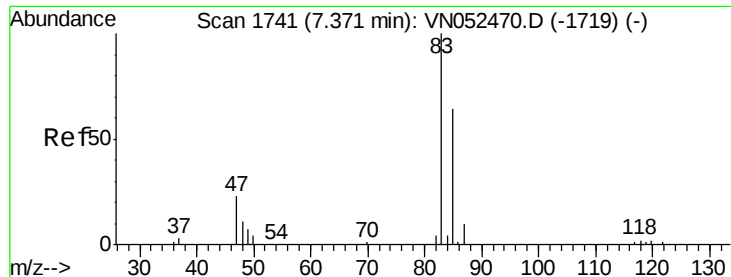


Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

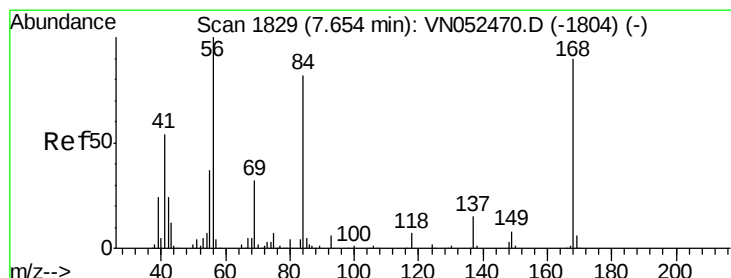
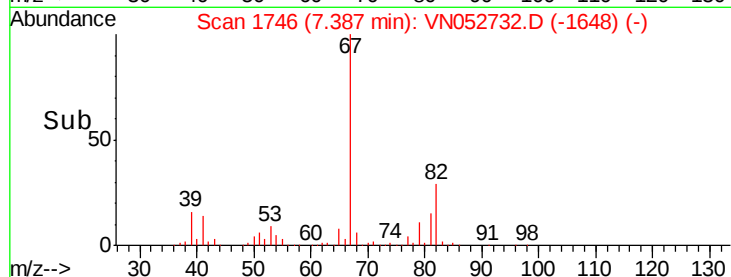
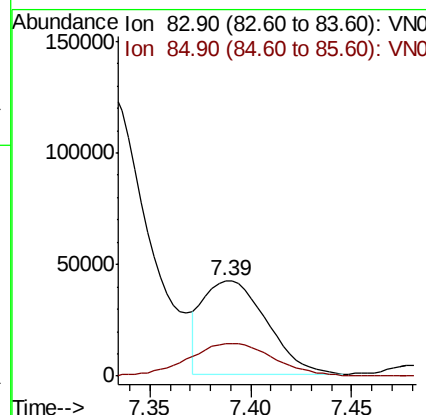
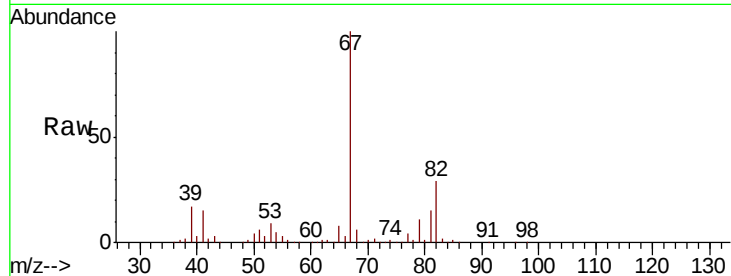




#30
Chloroform
Concen: 4.088 ug/l
RT: 7.39 min Scan# 1746
Delta R.T. 0.02 min
Lab File: VN052732.D
Acq: 7 Dec 2018 17:39

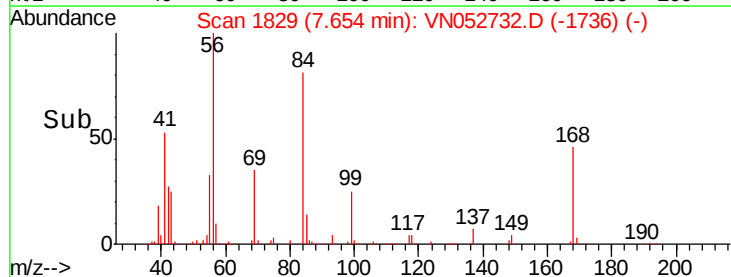
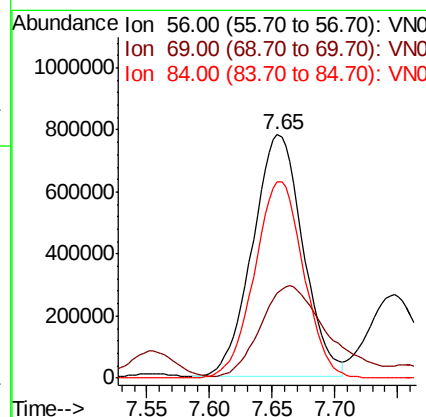
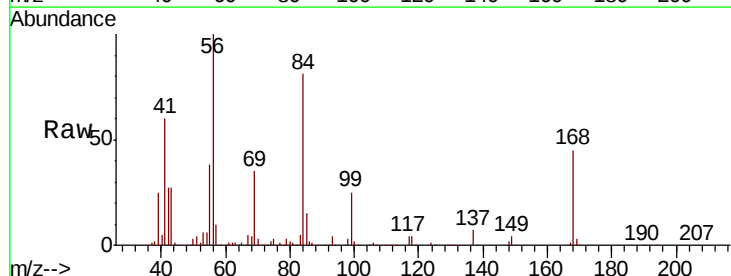
Instrument :
MSVOA_N
ClientSampled :
MW-2

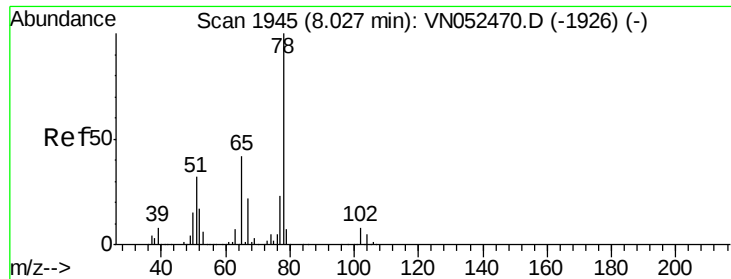
Tot Ion: 83 Resp: 92294
Ion Ratio Lower Upper
83 100
85 33.4 51.0 76.4#



#31
Cyclohexane
Concen: 100.252 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN052732.D
Acq: 7 Dec 2018 17:39

Tgt Ion: 56 Resp: 2187939
Ion Ratio Lower Upper
56 100
69 33.0 25.8 38.6
84 81.0 65.3 97.9

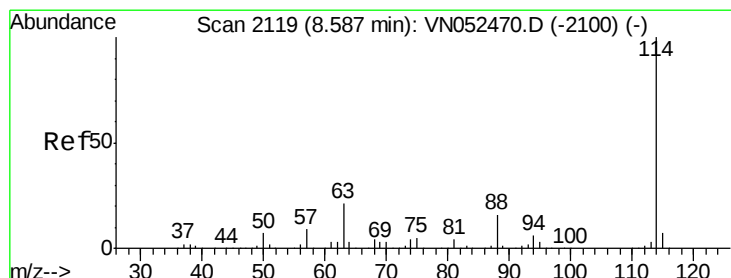
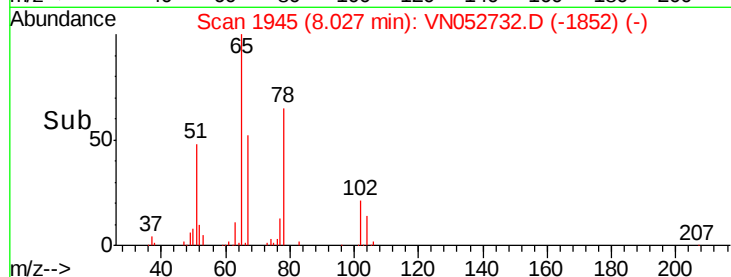
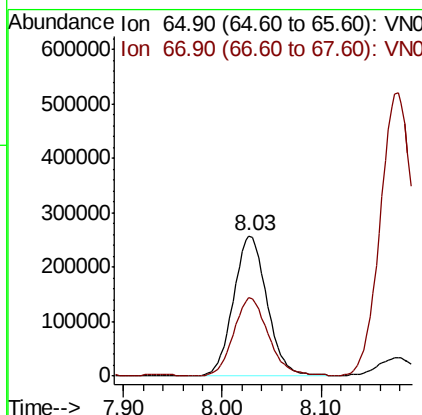
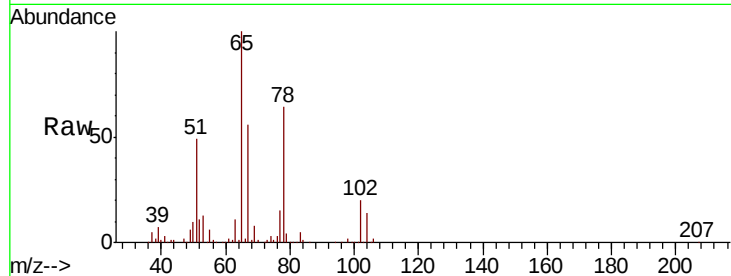




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052732.D
 Acq: 7 Dec 2018 17:39

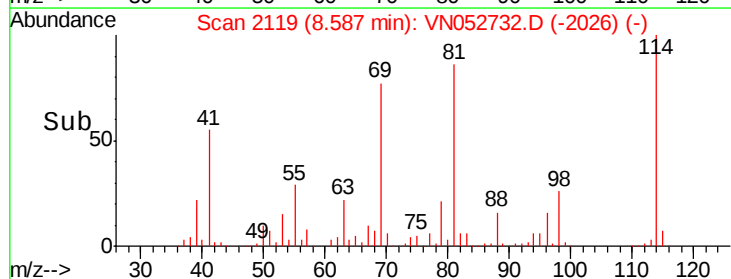
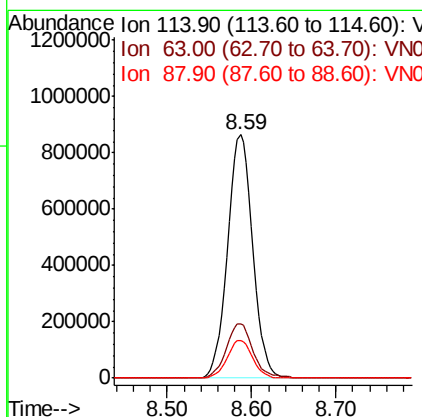
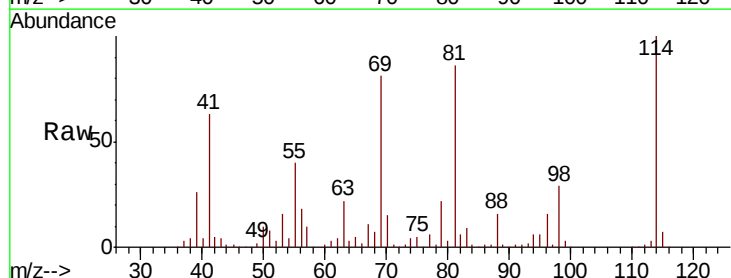
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2

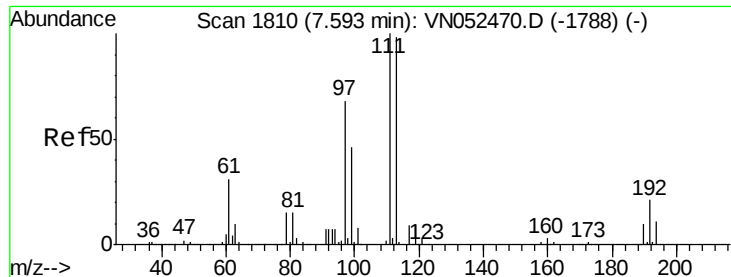
Tot Ion: 65 Resp: 606889
 Ion Ratio Lower Upper
 65 100
 67 57.7 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052732.D
 Acq: 7 Dec 2018 17:39

Tgt Ion: 114 Resp: 1784902
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 41.8
 88 15.6 0.0 31.6

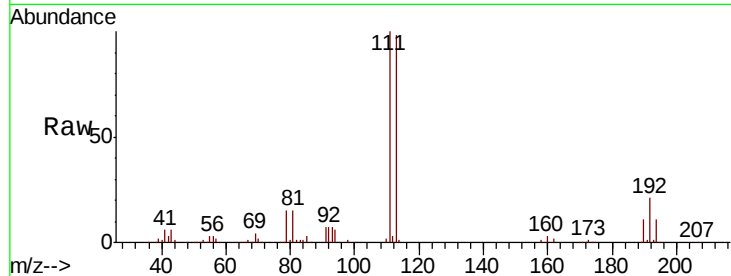




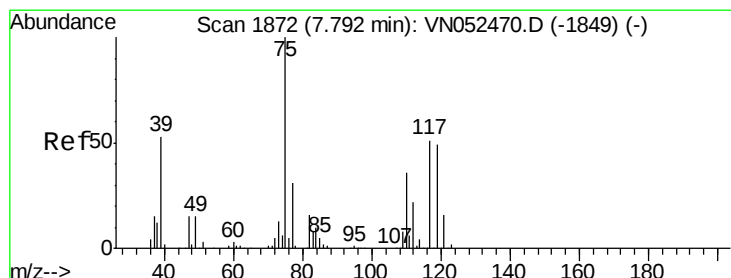
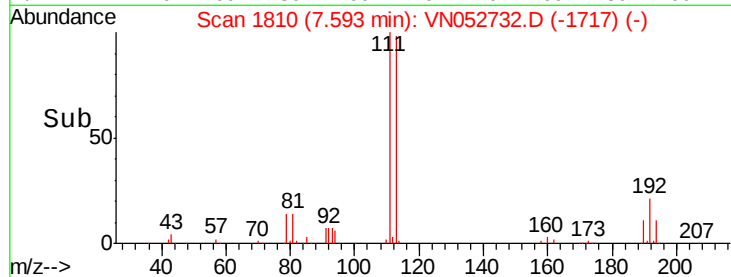
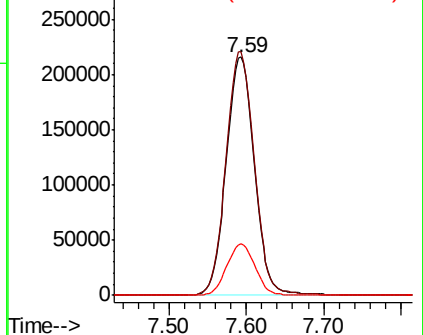
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VN052732.D
Acq: 7 Dec 2018 17:39

Instrument :
MSVOA_N
ClientSampled :
MW-2

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.0	123.0
192	21.6	17.0	25.6

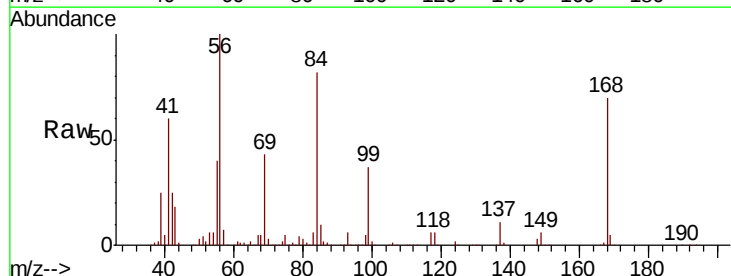


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

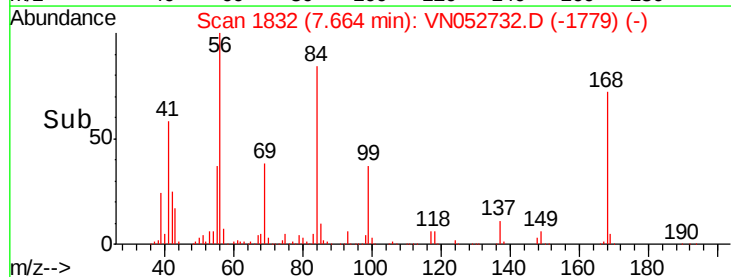
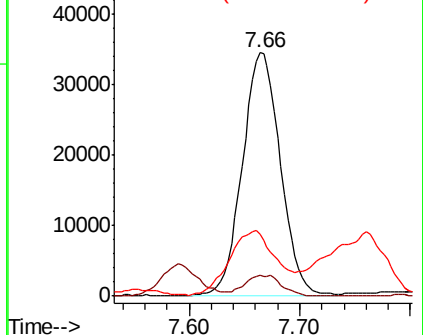


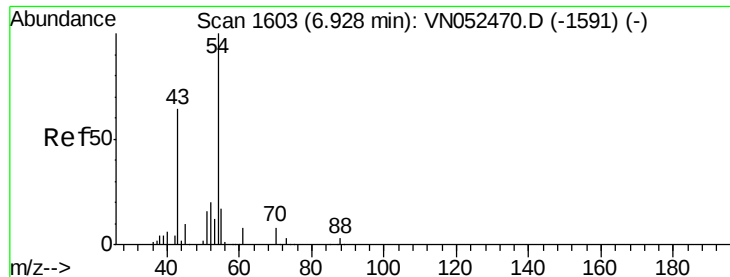
#36
1,1-Dichloropropene
Concen: 4.926 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.13 min
Lab File: VN052732.D
Acq: 7 Dec 2018 17:39

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.3	17.5	52.6#
77	33.6	24.5	36.7



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VNO

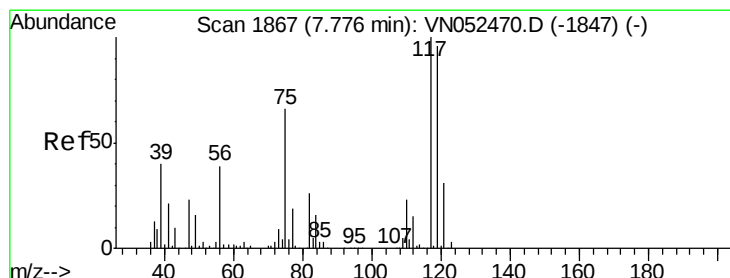
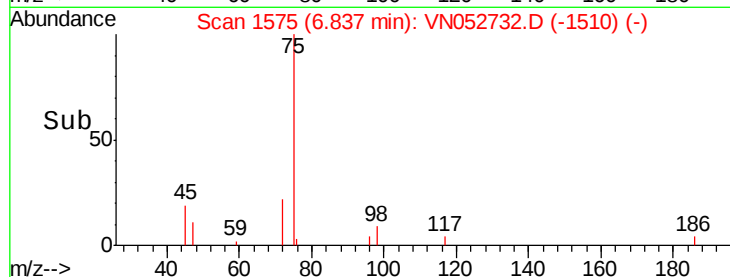
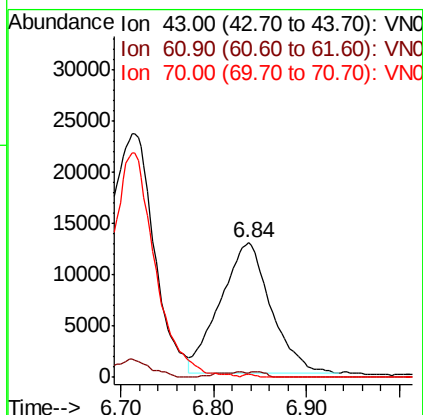
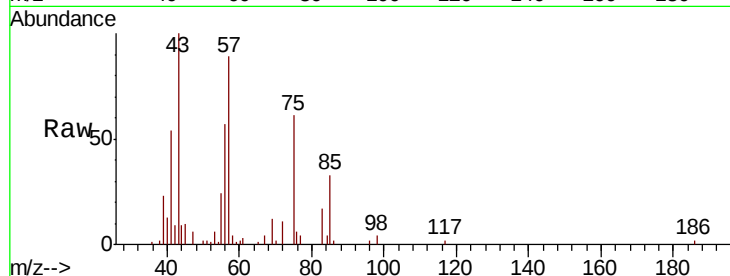




#37
Ethyl Acetate
Concen: 4.725 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. -0.09 min
Lab File: VN052732.D
Acq: 7 Dec 2018 17:39

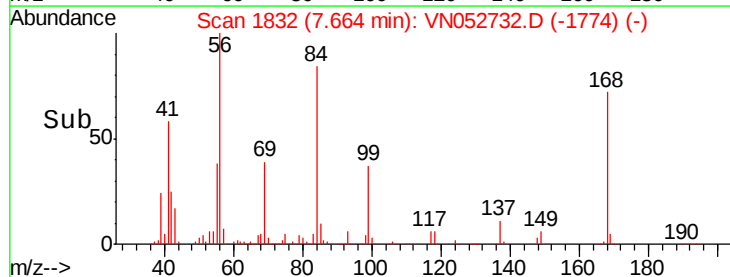
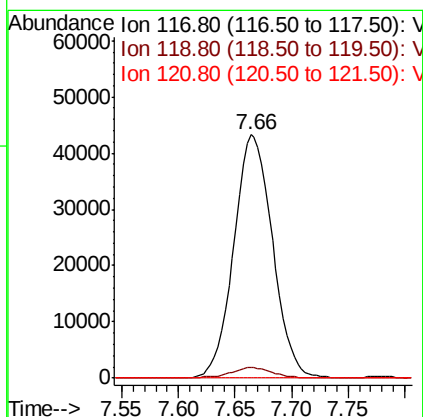
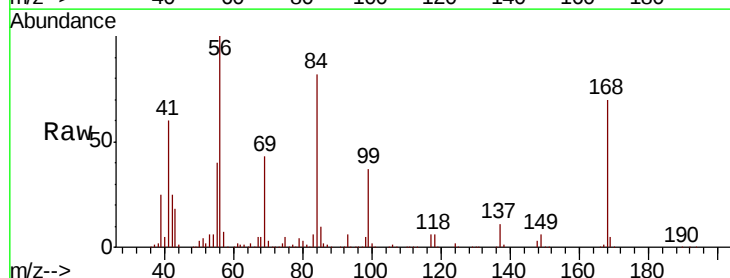
Instrument :
MSVOA_N
ClientSampleId :
MW-2

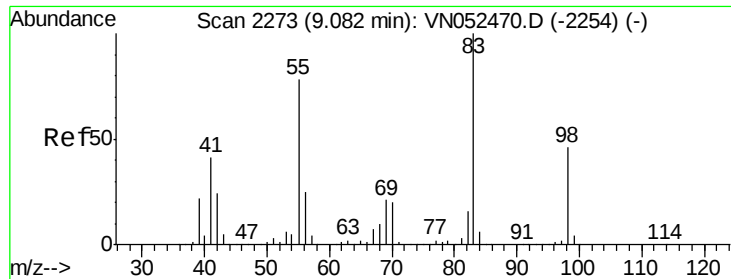
Tot Ion: 43 Resp: 48600
Ion Ratio Lower Upper
43 100
61 1.3 11.8 17.8#
70 0.0 7.8 11.8#



#38
Carbon Tetrachloride
Concen: 6.757 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN052732.D
Acq: 7 Dec 2018 17:39

Tgt Ion: 117 Resp: 103098
Ion Ratio Lower Upper
117 100
119 4.6 76.8 115.2#
121 0.0 24.9 37.3#

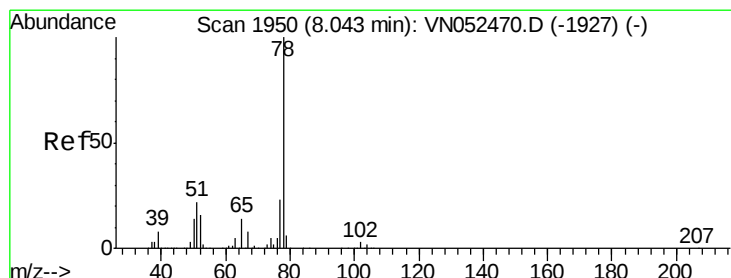
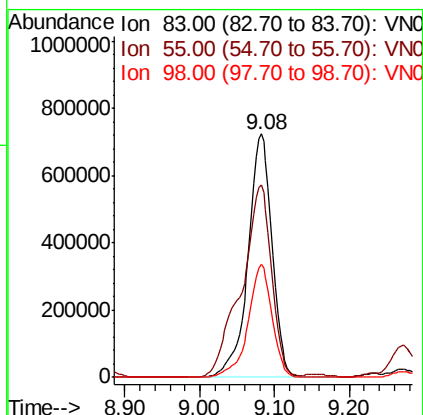
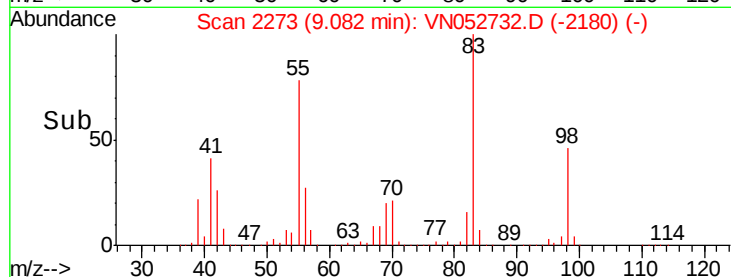
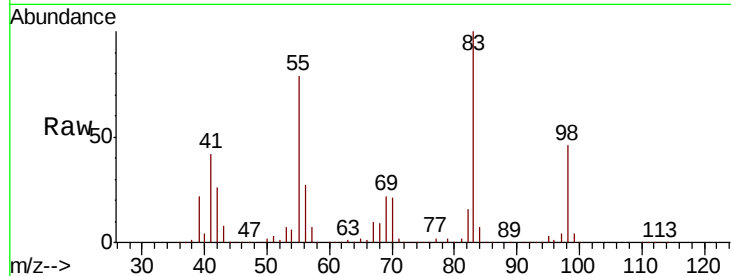




#39
Methvlcvclohexane
Concen: 78.683 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052732.D
Acq: 7 Dec 2018 17:39

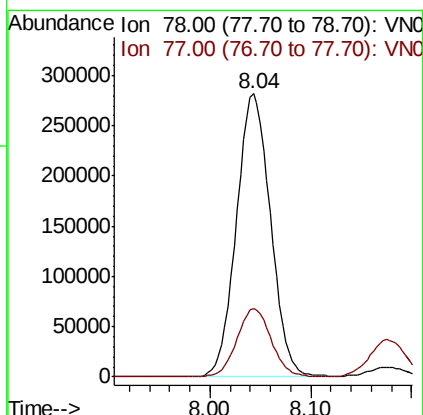
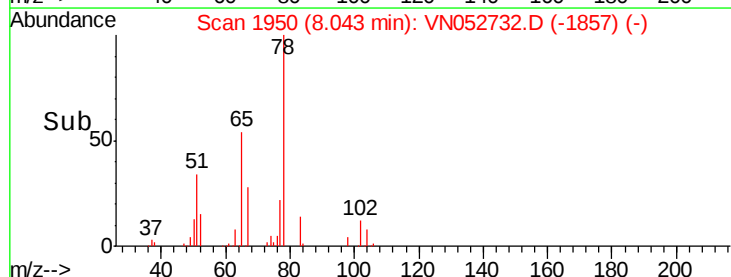
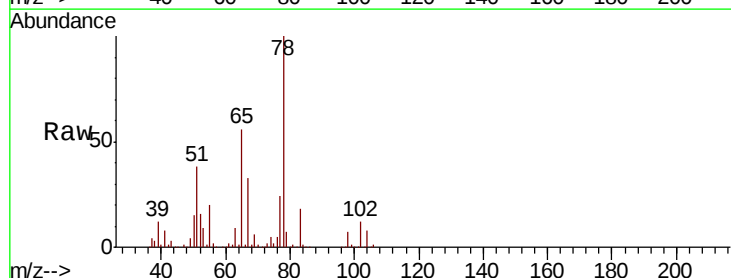
Instrument :
MSVOA_N
ClientSampled :
MW-2

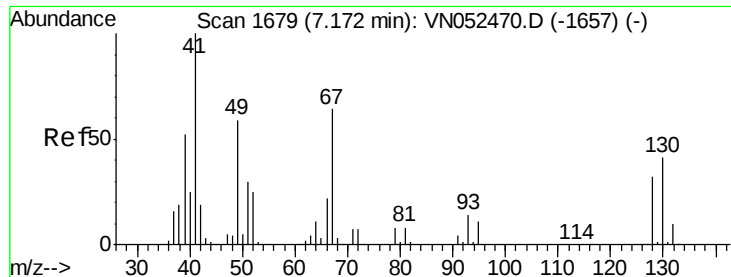
Tot Ion: 83 Resp: 1611969
Ion Ratio Lower Upper
83 100
55 79.1 62.2 93.2
98 46.2 36.4 54.6



#40
Benzene
Concen: 13.202 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052732.D
Acq: 7 Dec 2018 17:39

Tgt Ion: 78 Resp: 663162
Ion Ratio Lower Upper
78 100
77 24.3 18.8 28.2

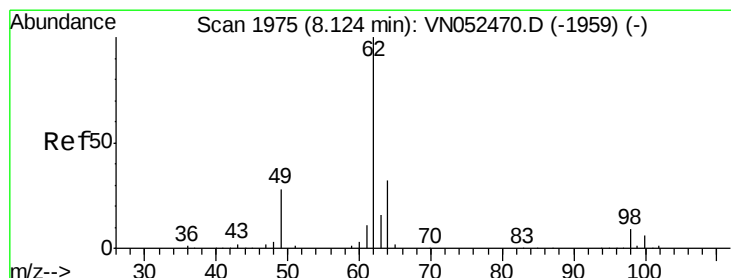
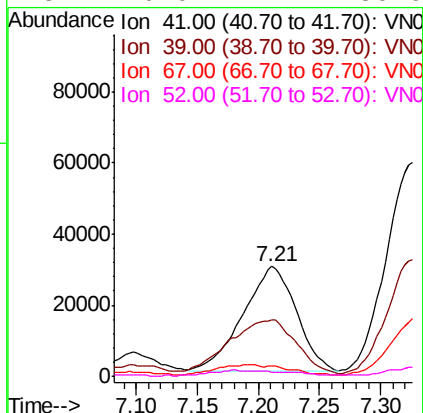
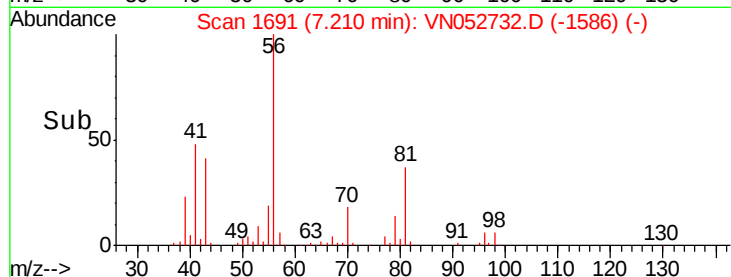
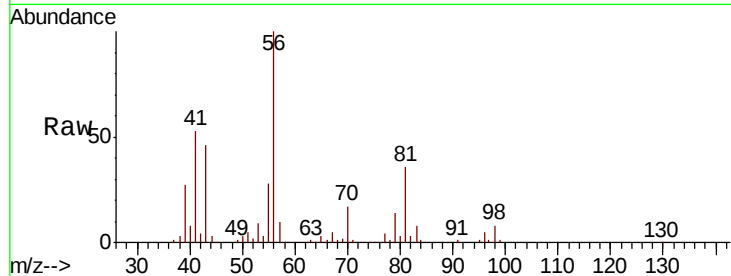




#41
Methacrylonitrile
Concen: 15.702 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.04 min
Lab File: VN052732.D
Acq: 7 Dec 2018 17:39

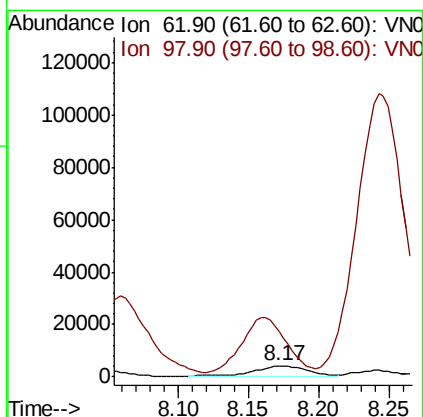
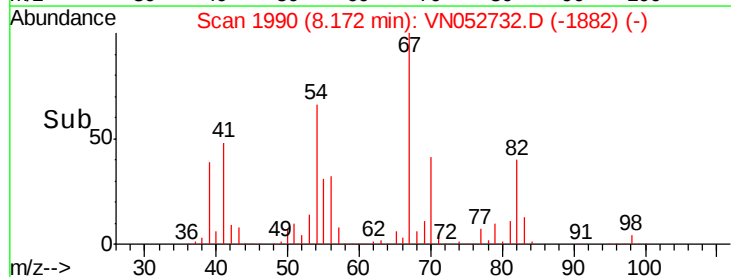
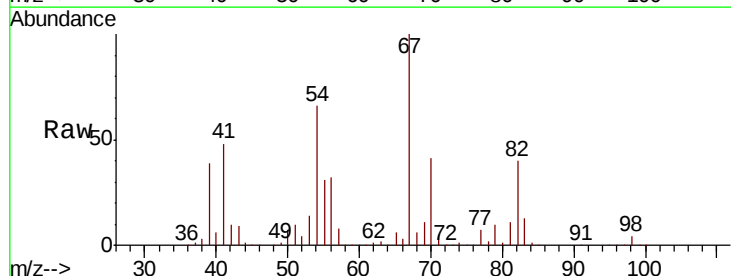
Instrument :
MSVOA_N
ClientSampled :
MW-2

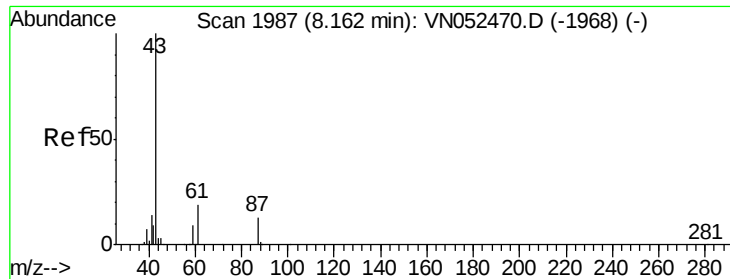
Tot Ion: 41 Resp: 88303
Ion Ratio Lower Upper
41 100
39 64.4 50.9 76.3
67 0.0 63.6 95.4#
52 0.0 24.4 36.6#



#42
1,2-Dichloroethane
Concen: 0.703 ug/l
RT: 8.17 min Scan# 1990
Delta R.T. 0.05 min
Lab File: VN052732.D
Acq: 7 Dec 2018 17:39

Tgt Ion: 62 Resp: 10694
Ion Ratio Lower Upper
62 100
98 424.5 0.0 18.6#





#43

Isopropyl Acetate

Concen: 10.987 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. -0.01 min

Lab File: VN052732.D

Acq: 7 Dec 2018 17:39

Instrument :

MSVOA_N

ClientSampled :

MW-2

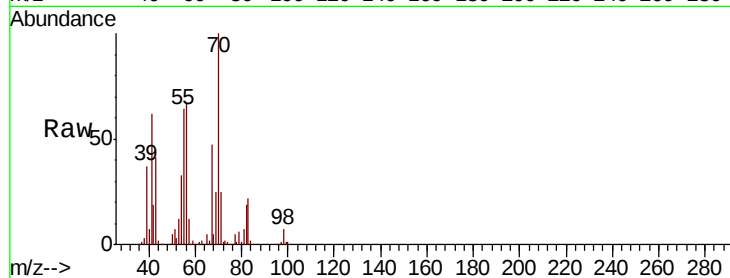
Tot Ion: 43 Resp: 191266

Ion Ratio Lower Upper

43 100

61 0.0 24.1 36.1#

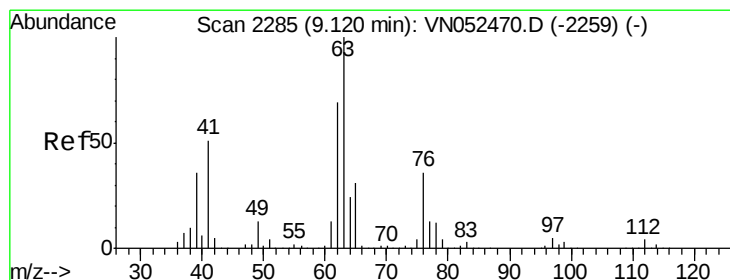
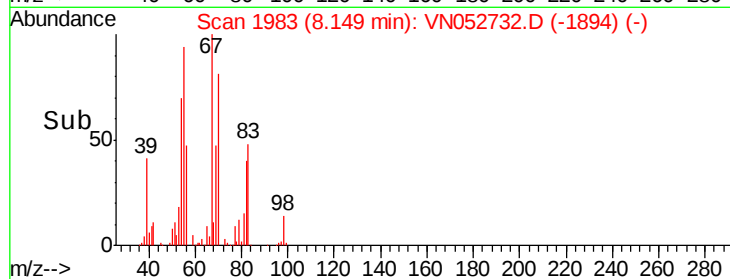
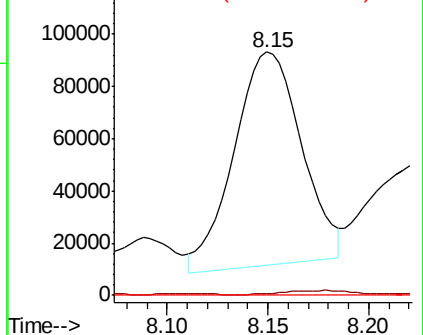
87 0.0 10.6 15.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#45

1,2-Dichloropropane

Concen: 0.777 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.04 min

Lab File: VN052732.D

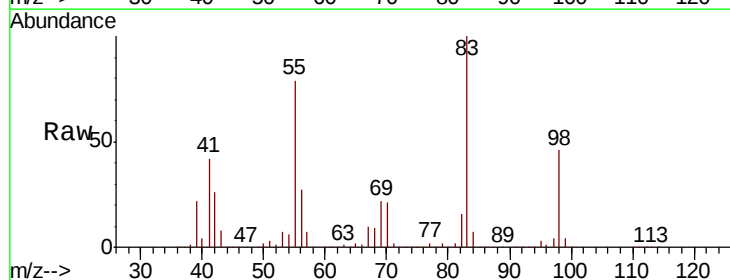
Acq: 7 Dec 2018 17:39

Tgt Ion: 63 Resp: 10373

Ion Ratio Lower Upper

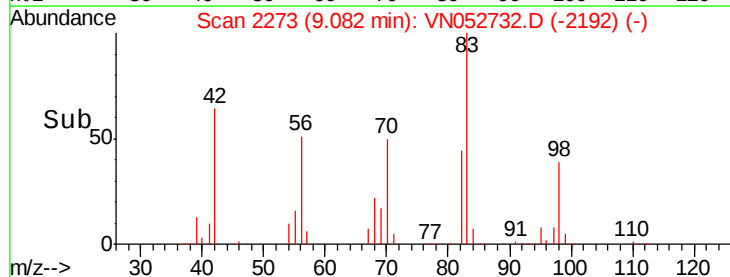
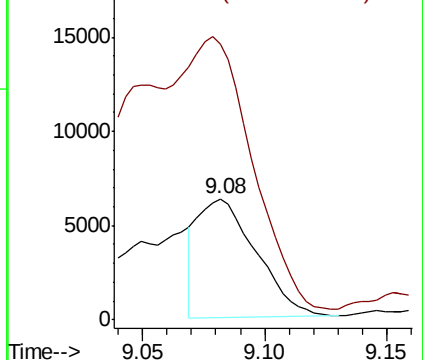
63 100

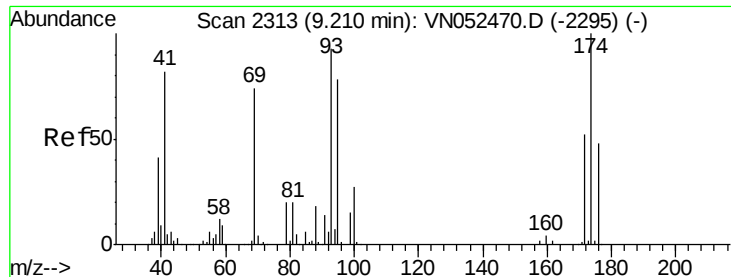
65 225.8 25.0 37.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0





#46

Dibromomethane

Concen: 0.221 ug/l

RT: 9.22 min Scan# 2316

Delta R.T. 0.01 min

Lab File: VN052732.D

Acq: 7 Dec 2018 17:39

Instrument :

MSVOA_N

ClientSampleId :

MW-2

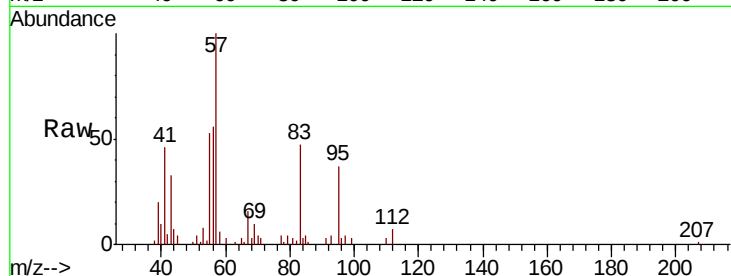
Tot Ion: 93 Resp: 1636

Ion Ratio Lower Upper

93 100

95 651.0 67.1 100.7#

174 5.8 85.8 128.8#

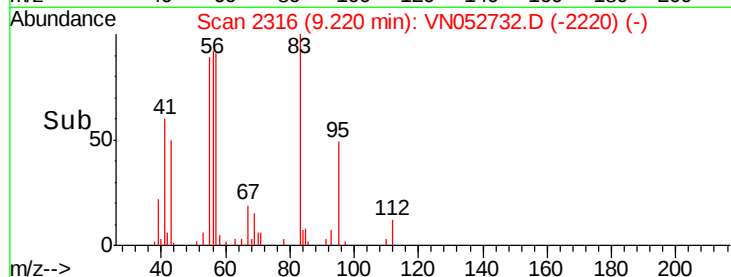


Abundance Ion 92.80 (92.50 to 93.50): VN052470.D (-2295) (-)

Ion 94.80 (94.50 to 95.50): VN052470.D (-2295) (-)

Ion 173.70 (173.40 to 174.40): VN052470.D (-2295) (-)

Time-->

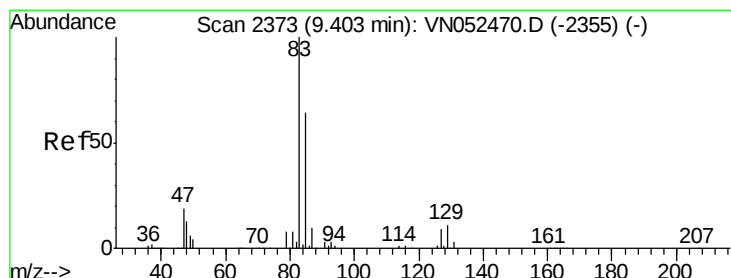


Abundance Ion 92.80 (92.50 to 93.50): VN052732.D (-2220) (-)

Ion 94.80 (94.50 to 95.50): VN052732.D (-2220) (-)

Ion 173.70 (173.40 to 174.40): VN052732.D (-2220) (-)

Time-->



#47

Bromodichloromethane

Concen: 6.894 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.02 min

Lab File: VN052732.D

Acq: 7 Dec 2018 17:39

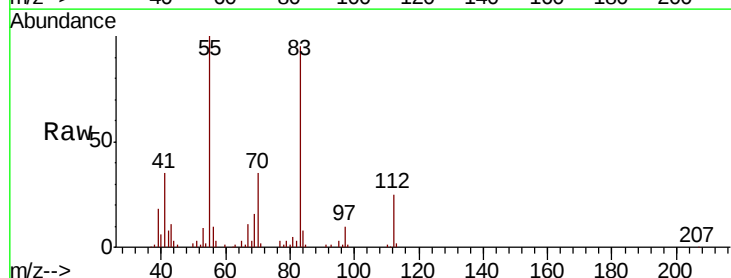
Tgt Ion: 83 Resp: 110811

Ion Ratio Lower Upper

83 100

85 0.8 51.3 76.9#

127 0.0 6.9 10.3#

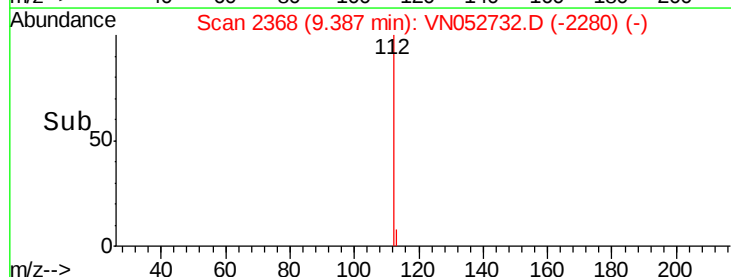


Abundance Ion 82.90 (82.60 to 83.60): VN052470.D (-2355) (-)

Ion 84.90 (84.60 to 85.60): VN052470.D (-2355) (-)

Ion 126.80 (126.50 to 127.50): VN052470.D (-2355) (-)

Time-->

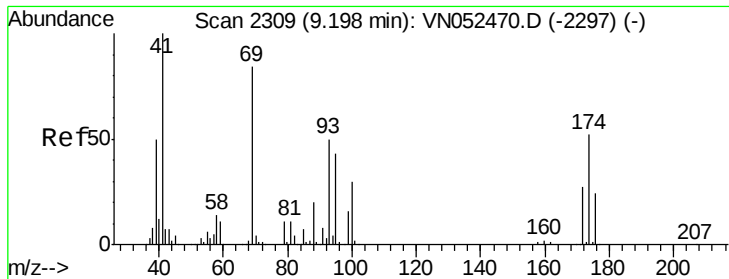


Abundance Ion 82.90 (82.60 to 83.60): VN052732.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN052732.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN052732.D (-2280) (-)

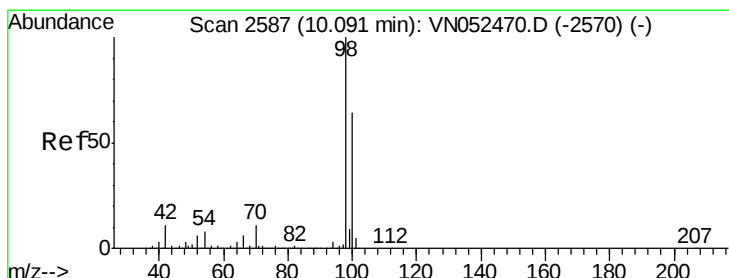
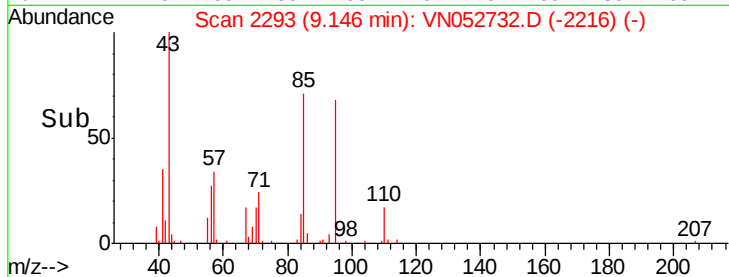
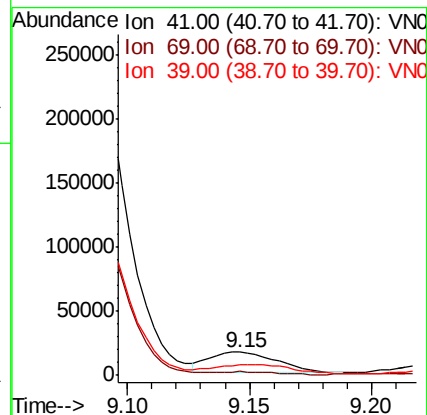
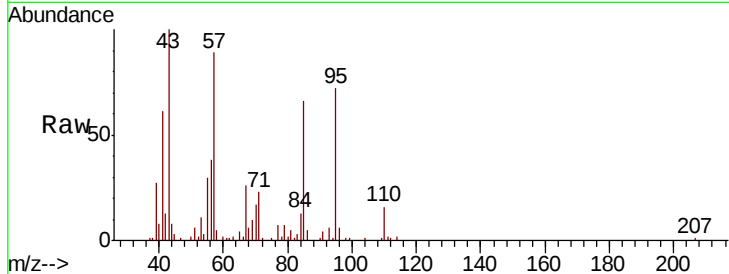
Time-->



#48
Methvl methacrylate
Concen: 3.439 ug/l
RT: 9.15 min Scan# 2293
Delta R.T. -0.05 min
Lab File: VN052732.D
Acq: 7 Dec 2018 17:39

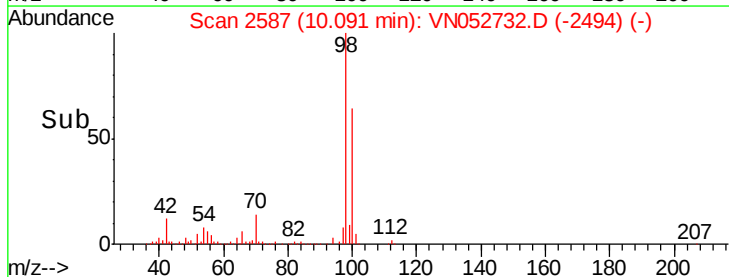
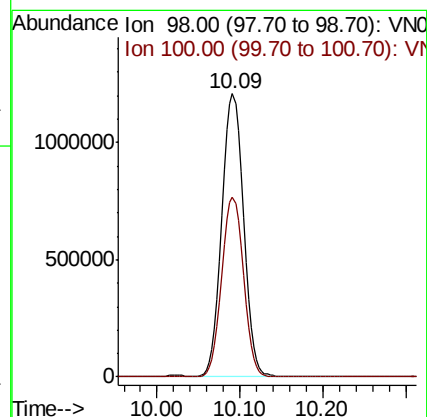
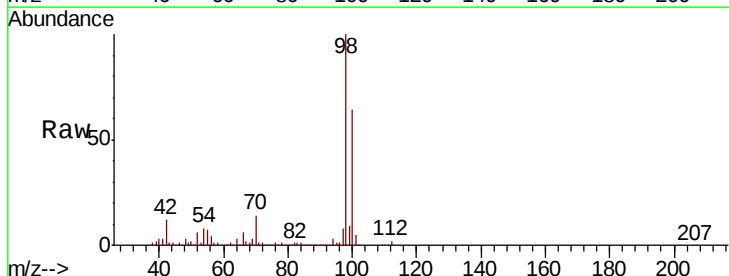
Instrument :
MSVOA_N
ClientSampled :
MW-2

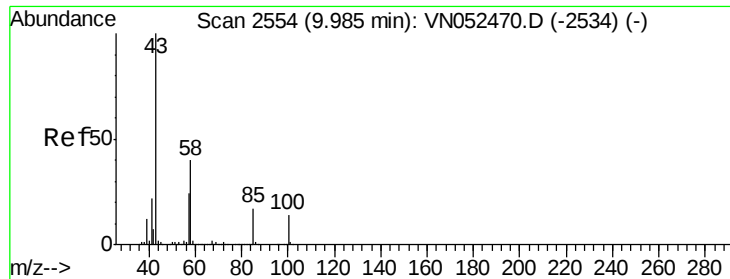
Tot Ion: 41 Resp: 31214
Ion Ratio Lower Upper
41 100
69 0.0 70.0 105.0#
39 50.6 42.6 64.0



#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052732.D
Acq: 7 Dec 2018 17:39

Tgt Ion: 98 Resp: 2194083
Ion Ratio Lower Upper
98 100
100 63.8 51.3 76.9





#51

4-Methyl-2-Pentanone

Concen: 0.713 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.01 min

Lab File: VN052732.D

Acq: 7 Dec 2018 17:39

Instrument :

MSVOA_N

ClientSampleId :

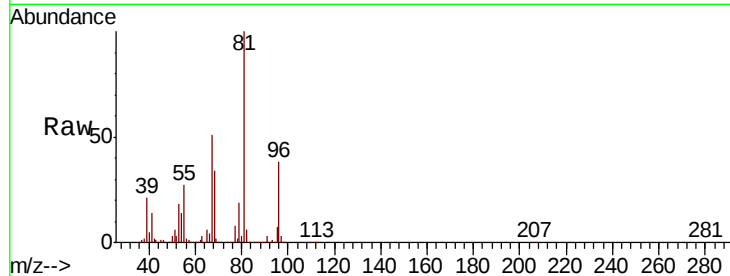
MW-2

Tot Ion: 43 Resp: 6968

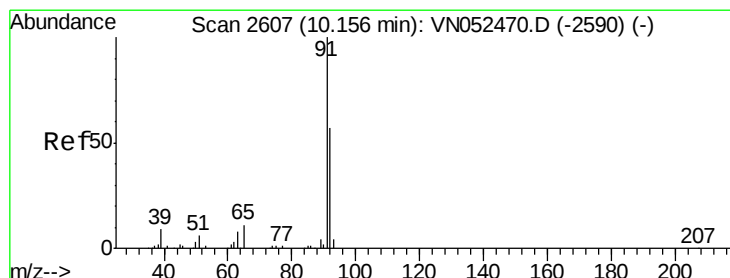
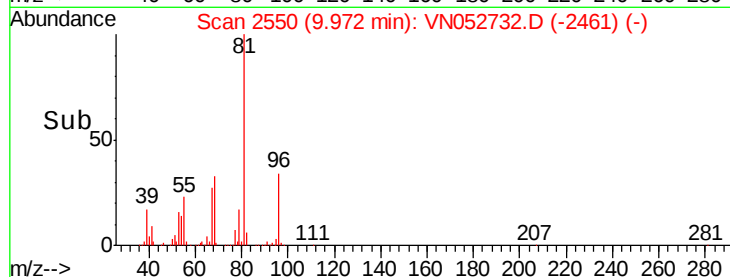
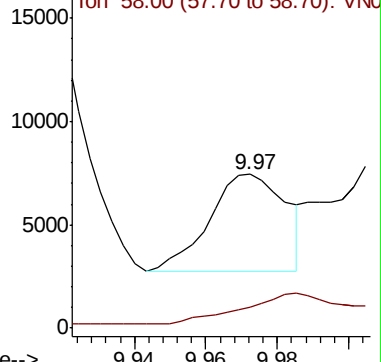
Ion Ratio Lower Upper

43 100

58 37.5 31.5 47.3



Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-2534) (-)



#52

Toluene

Concen: 7.151 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052732.D

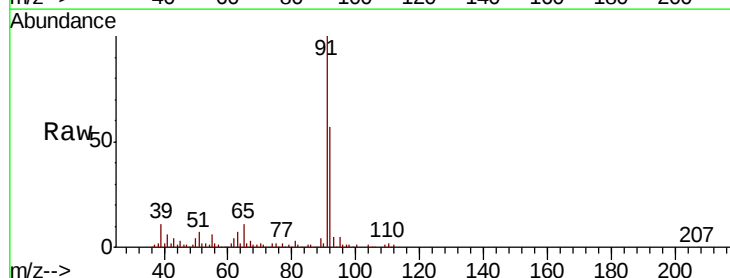
Acq: 7 Dec 2018 17:39

Tgt Ion: 92 Resp: 213429

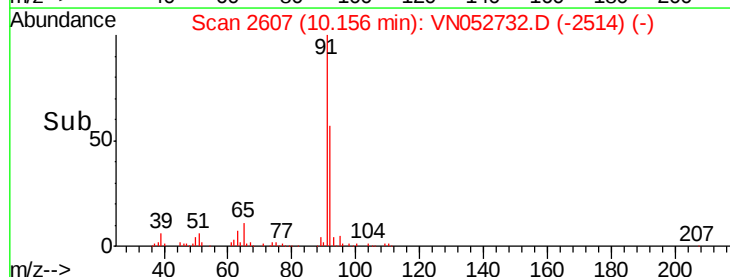
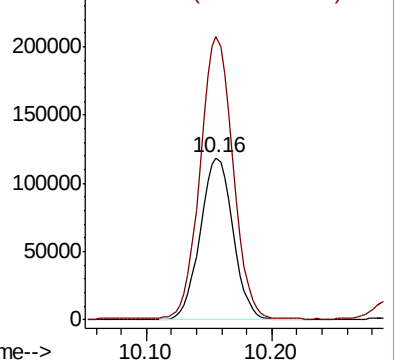
Ion Ratio Lower Upper

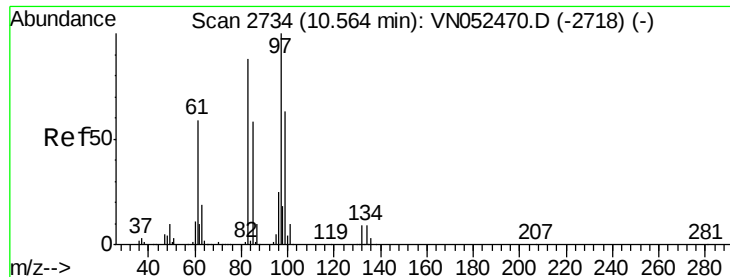
92 100

91 175.3 141.0 211.4



Abundance Ion 92.00 (91.70 to 92.70): VN052470.D (-2590) (-)

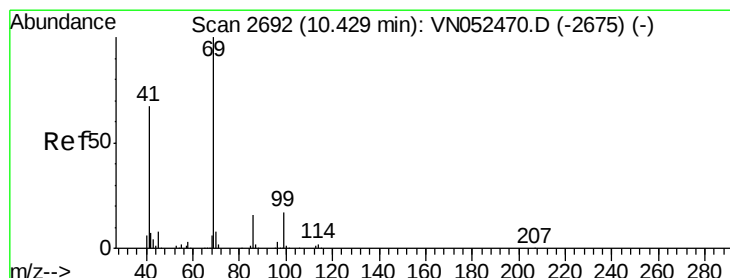
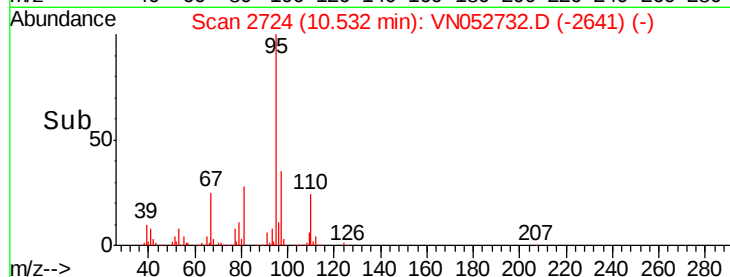
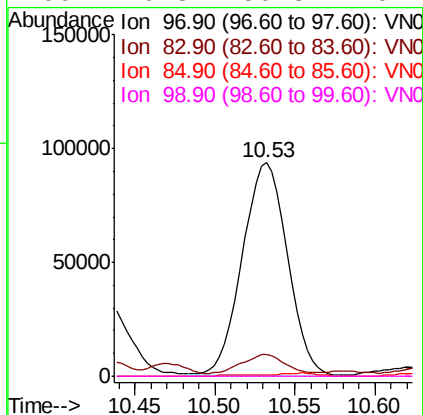
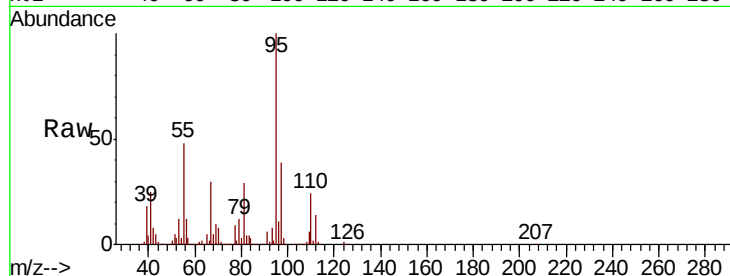




#55
 1,1,2-Trichloroethane
 Concen: 17.227 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.03 min
 Lab File: VN052732.D
 Acq: 7 Dec 2018 17:39

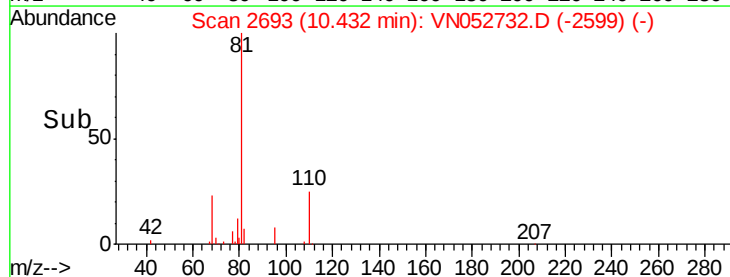
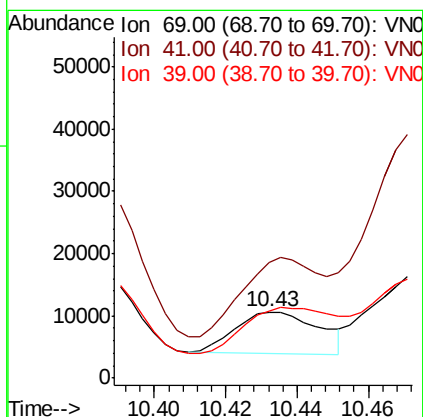
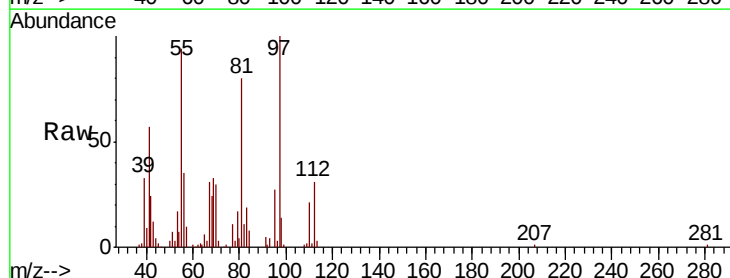
Instrument :
 MSVOA_N
 ClientSampled :
 MW-2

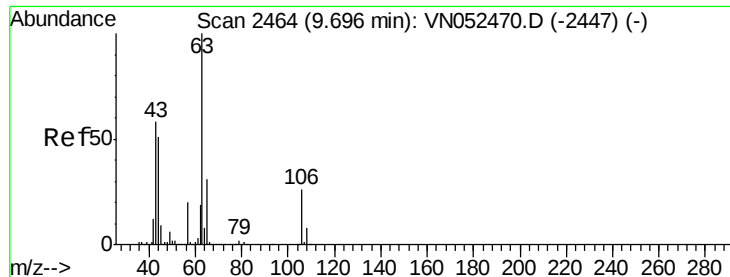
Tot Ion: 97 Resp: 180853
 Ion Ratio Lower Upper
 97 100
 83 7.5 70.7 106.1#
 85 0.8 46.1 69.1#
 99 0.3 50.8 76.2#



#56
 Ethyl methacrylate
 Concen: 3.397 ug/l
 RT: 10.43 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN052732.D
 Acq: 7 Dec 2018 17:39

Tgt Ion: 69 Resp: 10845
 Ion Ratio Lower Upper
 69 100
 41 175.6 52.6 79.0#
 39 113.1 25.9 38.9#





#58

2-Chloroethyl Vinyl ether

Concen: 2.033 ug/l

RT: 9.68 min Scan# 2458

Delta R.T. -0.02 min

Lab File: VN052732.D

Acq: 7 Dec 2018 17:39

Instrument :

MSVOA_N

ClientSampleId :

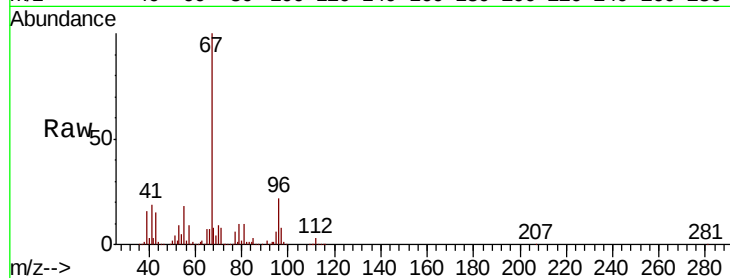
MW-2

Tot Ion: 63 Resp: 15486

Ion Ratio Lower Upper

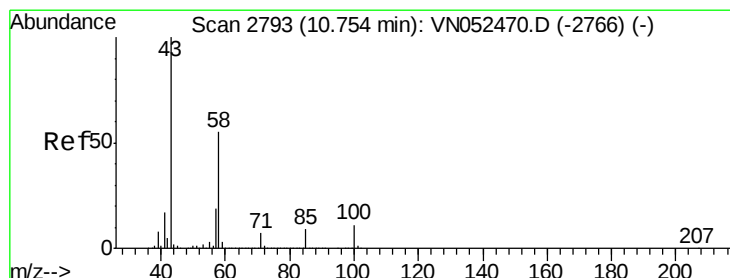
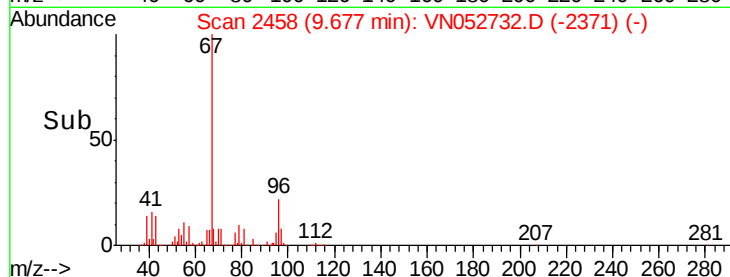
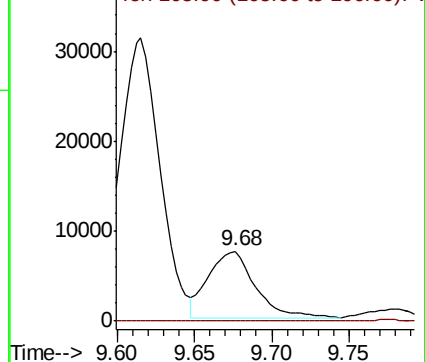
63 100

106 0.0 20.6 30.8#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V



#59

2-Hexanone

Concen: 1.054 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN052732.D

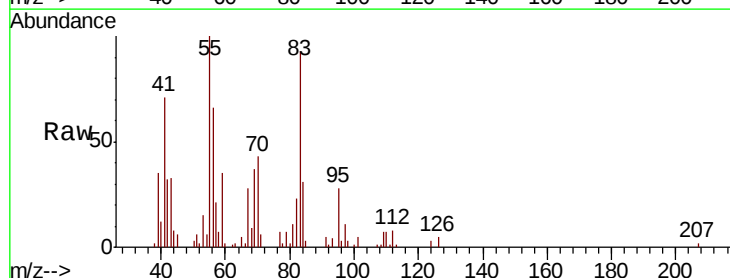
Acq: 7 Dec 2018 17:39

Tgt Ion: 43 Resp: 6911

Ion Ratio Lower Upper

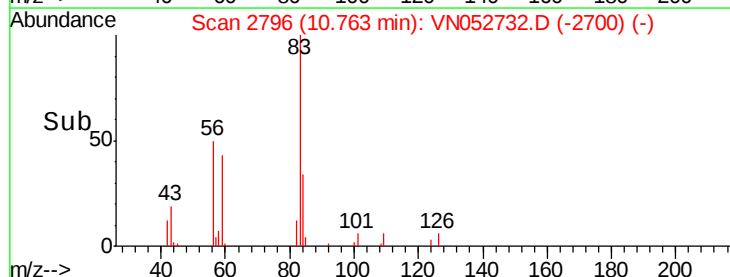
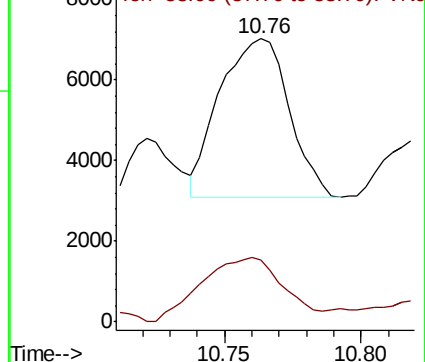
43 100

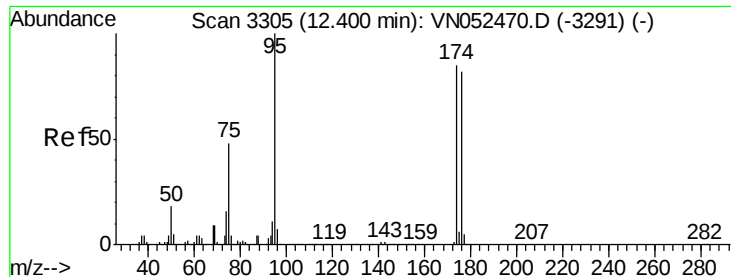
58 48.7 27.4 82.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

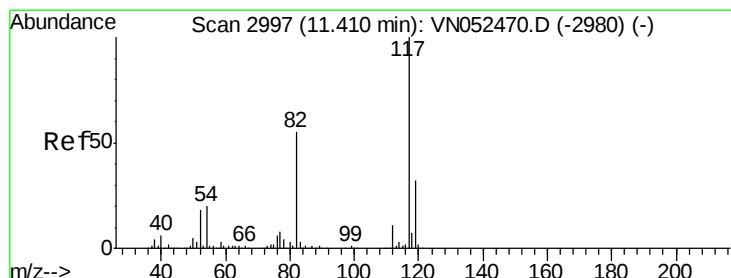
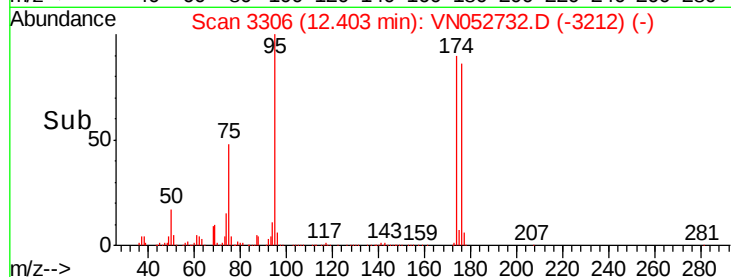
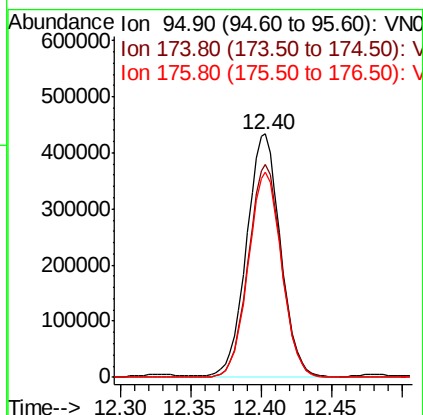
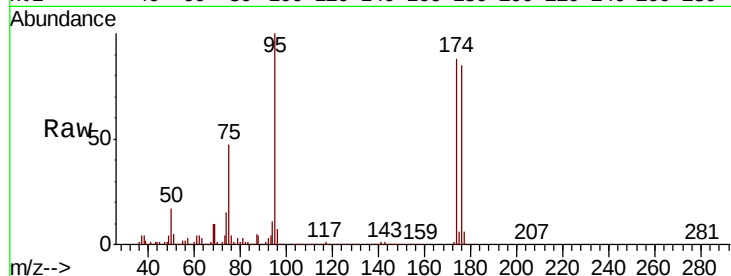




#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052732.D
Acq: 7 Dec 2018 17:39

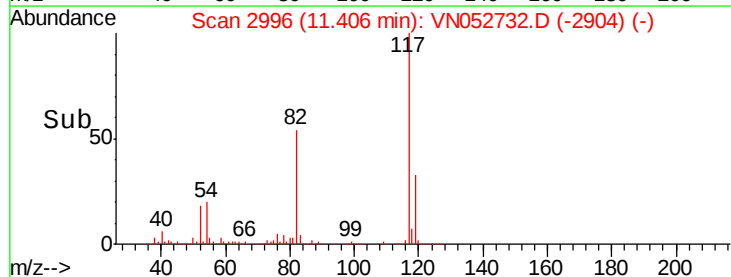
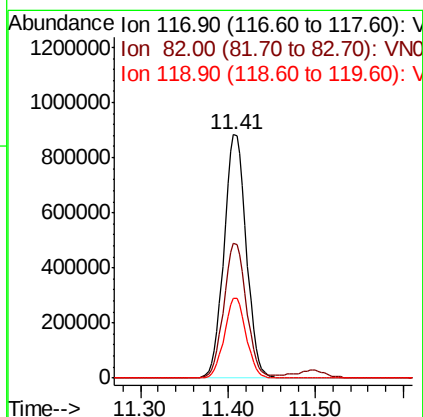
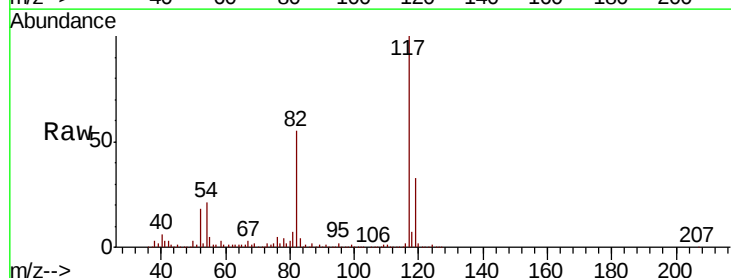
Instrument :
MSVOA_N
ClientSampleId :
MW-2

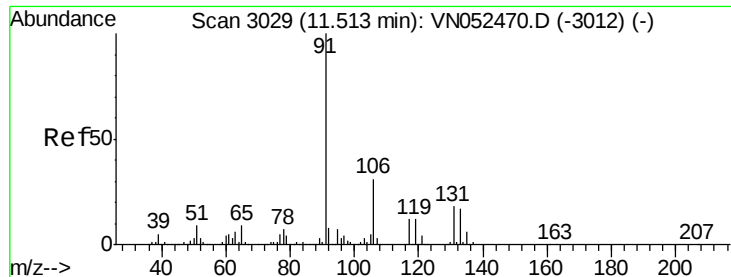
Tot Ion: 95 Resp: 726142
Ion Ratio Lower Upper
95 100
174 86.3 0.0 173.0
176 83.4 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052732.D
Acq: 7 Dec 2018 17:39

Tgt Ion: 117 Resp: 1559931
Ion Ratio Lower Upper
117 100
82 55.2 43.6 65.4
119 32.5 25.4 38.2

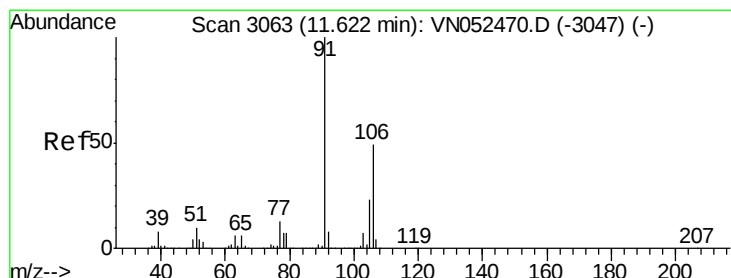
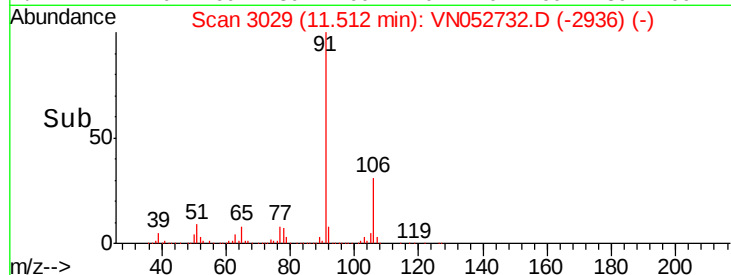
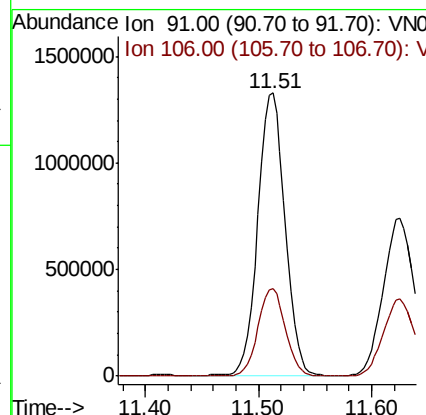
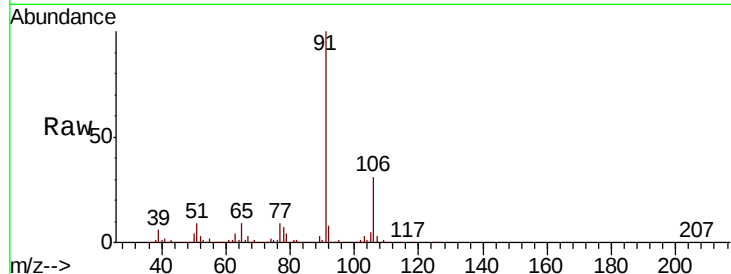




#67
Ethyl Benzene
Concen: 39.368 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN052732.D
Acq: 7 Dec 2018 17:39

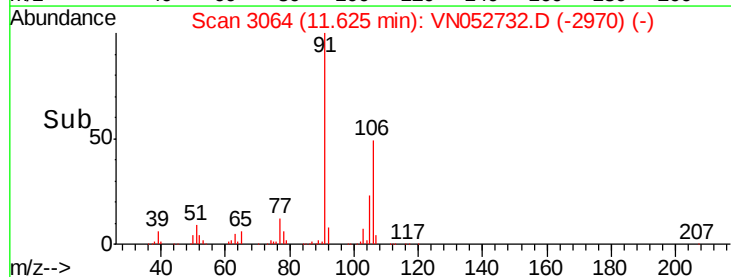
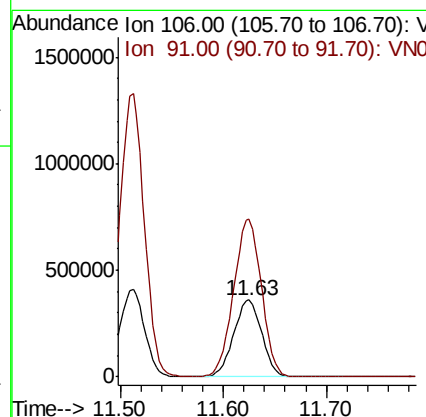
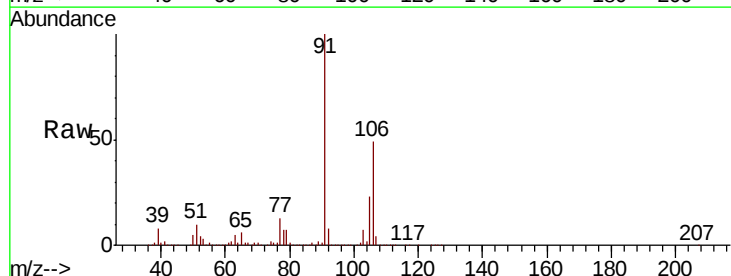
Instrument :
MSVOA_N
ClientSampled :
MW-2

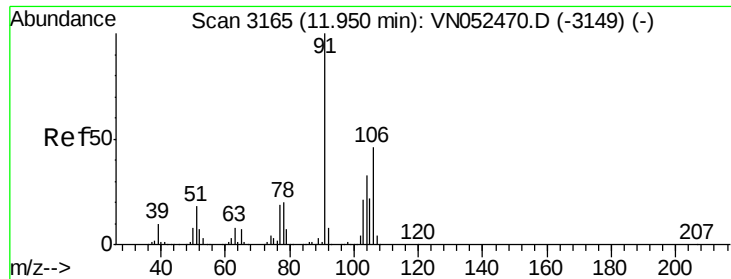
Tot Ion: 91 Resp: 2217495
Ion Ratio Lower Upper
91 100
106 31.2 24.9 37.3



#68
m/p-Xylenes
Concen: 32.593 ug/l
RT: 11.63 min Scan# 3064
Delta R.T. 0.00 min
Lab File: VN052732.D
Acq: 7 Dec 2018 17:39

Tgt Ion: 106 Resp: 683456
Ion Ratio Lower Upper
106 100
91 203.3 163.2 244.8

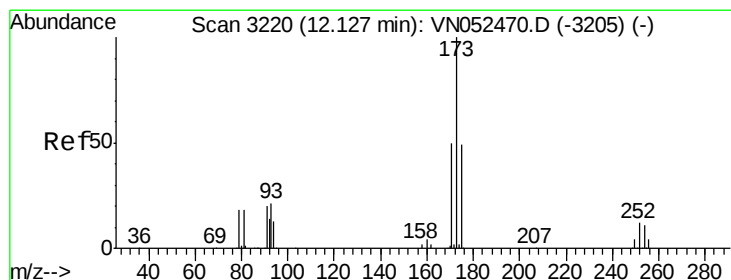
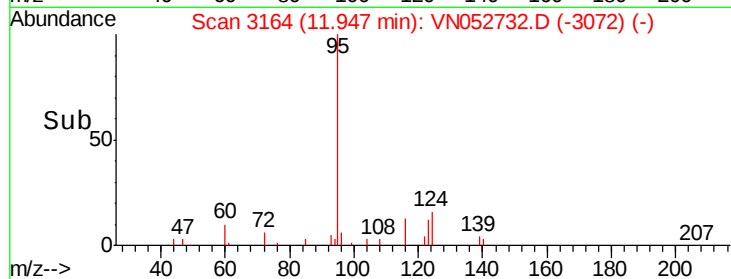
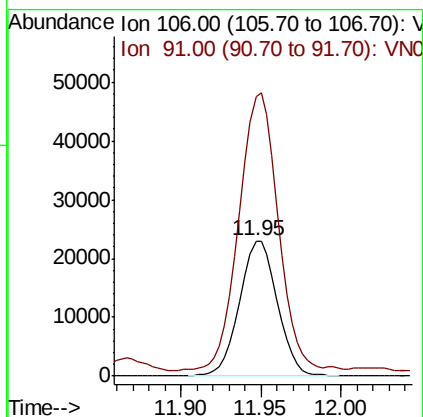
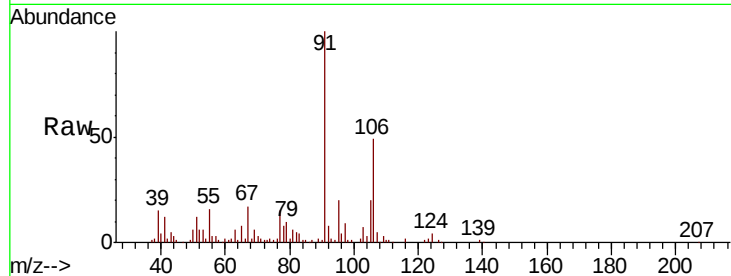




#69
o-Xylene
Concen: 1.819 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052732.D
Acq: 7 Dec 2018 17:39

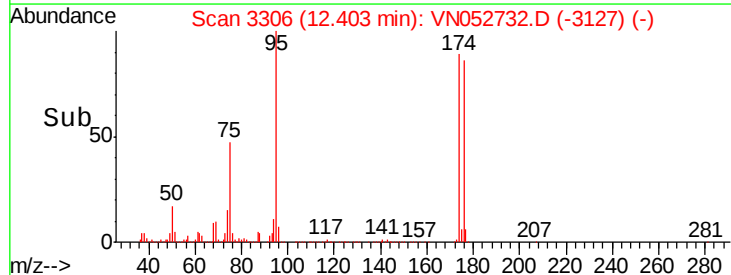
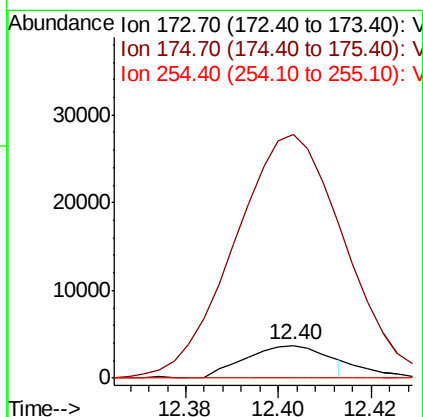
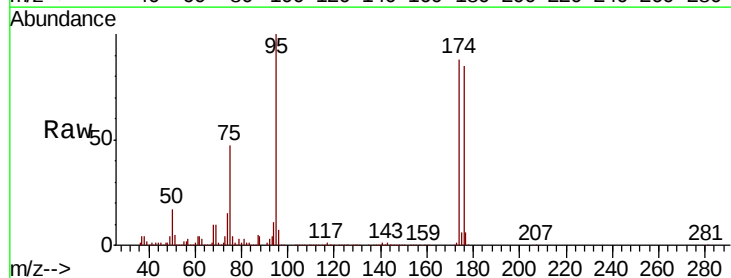
Instrument :
MSVOA_N
ClientSampleId :
MW-2

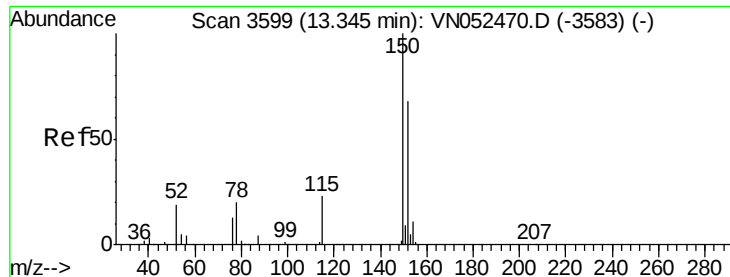
Tot Ion:106 Resp: 37039
Ion Ratio Lower Upper
106 100
91 212.4 107.7 323.1



#71
Bromoform
Concen: 0.615 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN052732.D
Acq: 7 Dec 2018 17:39

Tgt Ion:173 Resp: 4556
Ion Ratio Lower Upper
173 100
175 868.6 24.4 73.2#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN052732.D

Acq: 7 Dec 2018 17:39

Instrument :

MSVOA_N

ClientSampleId :

MW-2

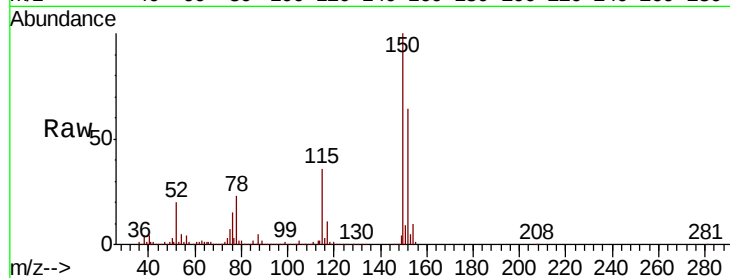
Tot Ion:152 Resp: 650958

Ion Ratio Lower Upper

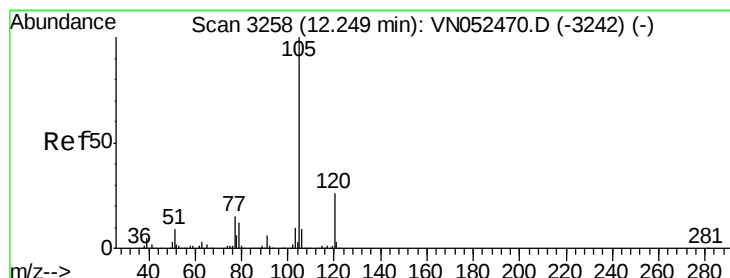
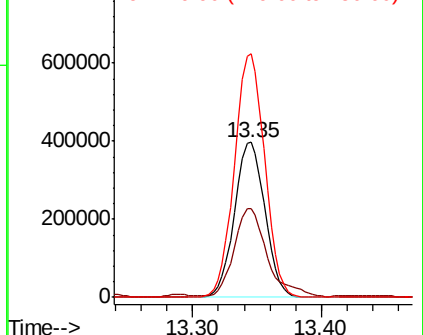
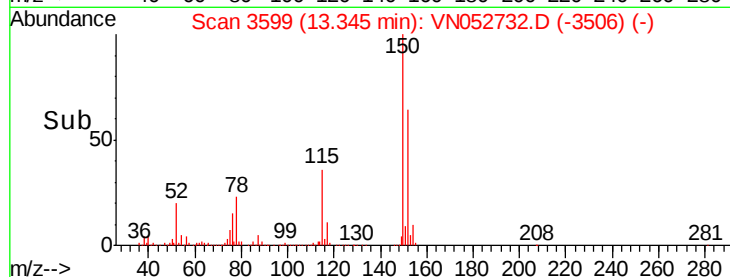
152 100

115 60.9 28.4 85.2

150 156.0 0.0 346.0



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: 128.332 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052732.D

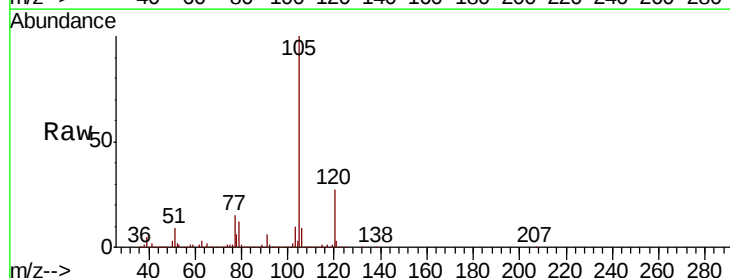
Acq: 7 Dec 2018 17:39

Tgt Ion:105 Resp: 6554130

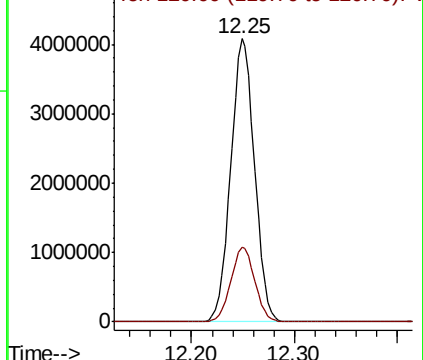
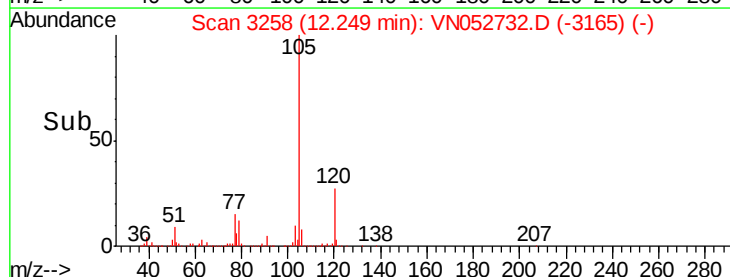
Ion Ratio Lower Upper

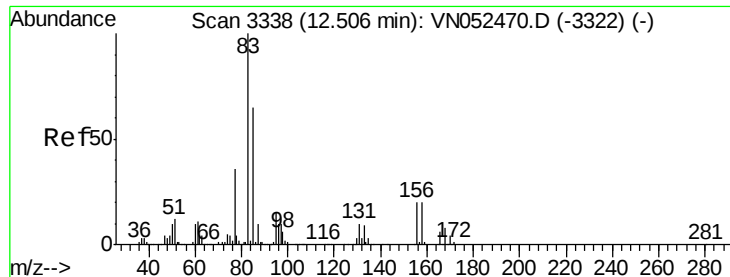
105 100

120 26.6 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 0.207 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.02 min

Lab File: VN052732.D

Acq: 7 Dec 2018 17:39

Instrument :

MSVOA_N

ClientSampled :

MW-2

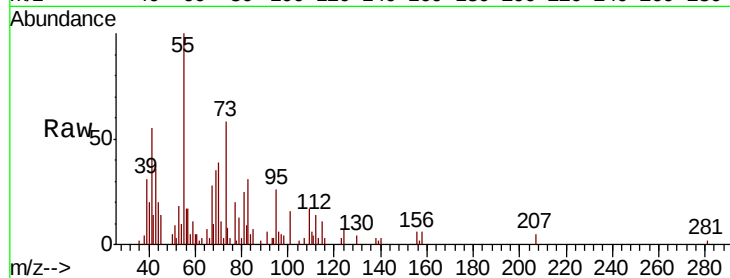
Tot Ion: 83 Resp: 2409

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

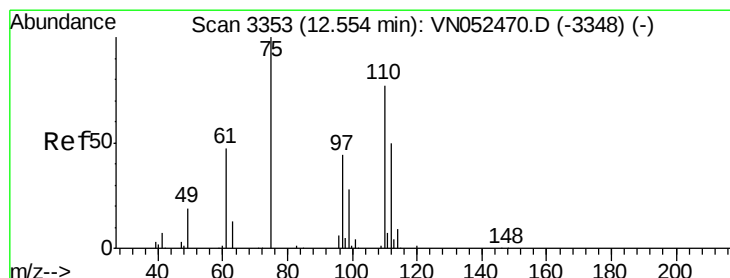
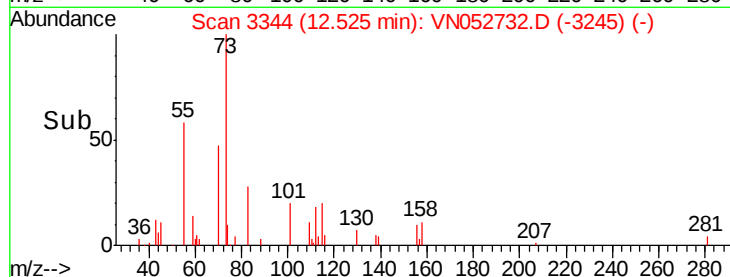
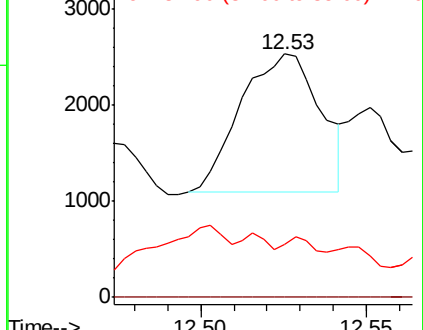
85 0.0 31.9 95.9#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 2.851 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.04 min

Lab File: VN052732.D

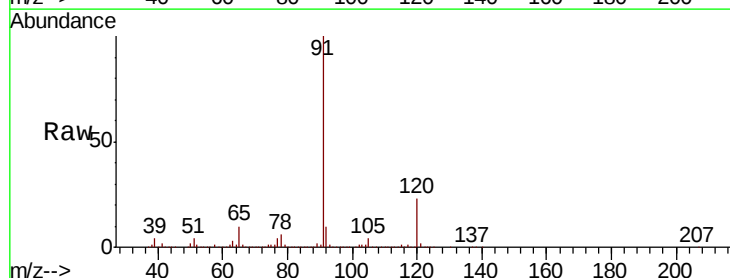
Acq: 7 Dec 2018 17:39

Tgt Ion: 75 Resp: 28623

Ion Ratio Lower Upper

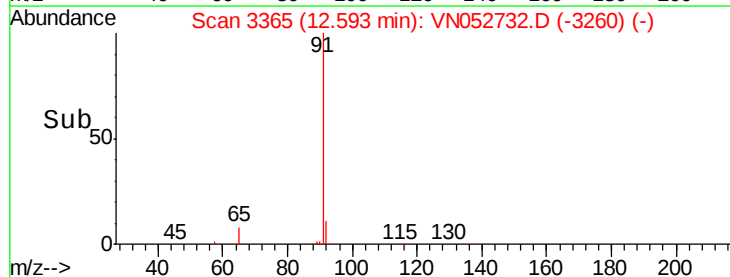
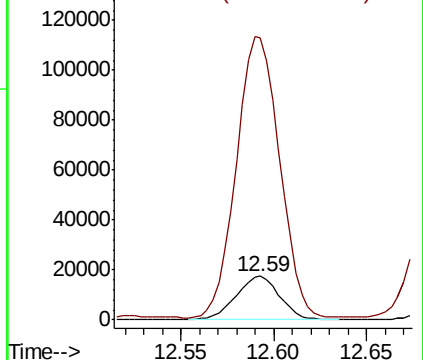
75 100

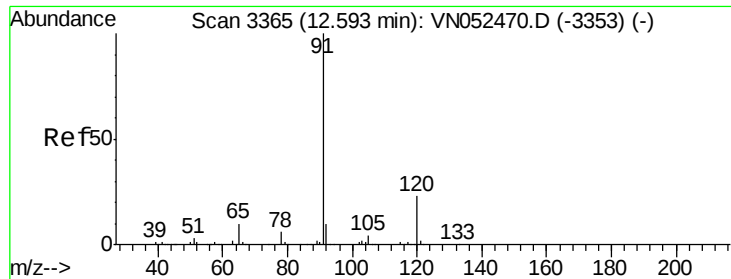
77 634.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#78

n-propylbenzene

Concen: 83.741 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN052732.D

Acq: 7 Dec 2018 17:39

Instrument :

MSVOA_N

ClientSampled :

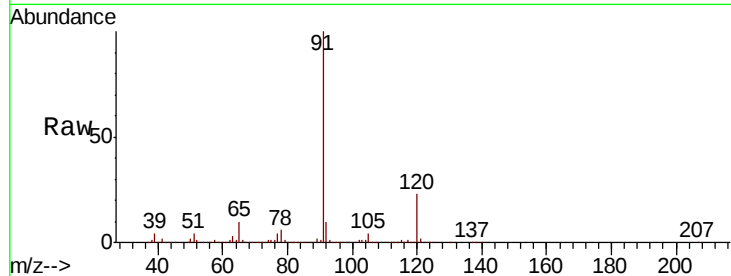
MW-2

Tot Ion: 91 Resp: 4858630

Ion Ratio Lower Upper

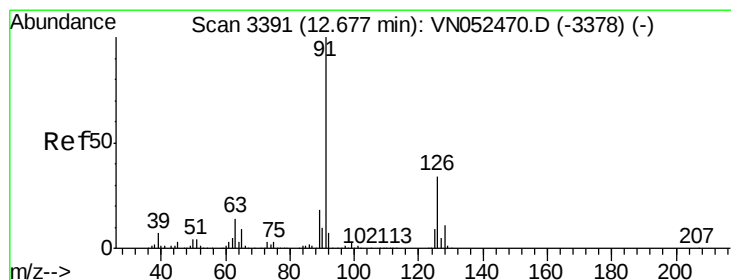
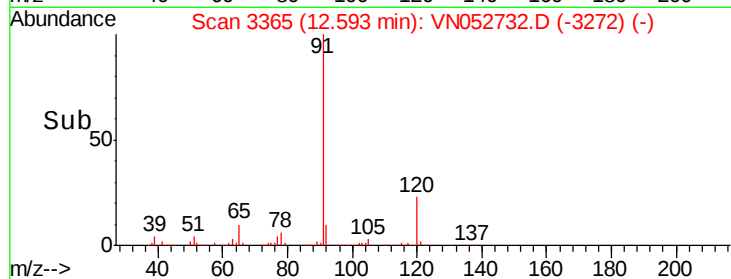
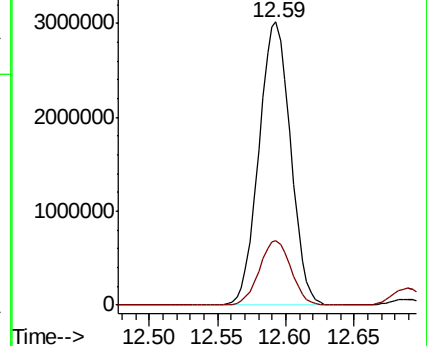
91 100

120 22.8 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 140.622 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.08 min

Lab File: VN052732.D

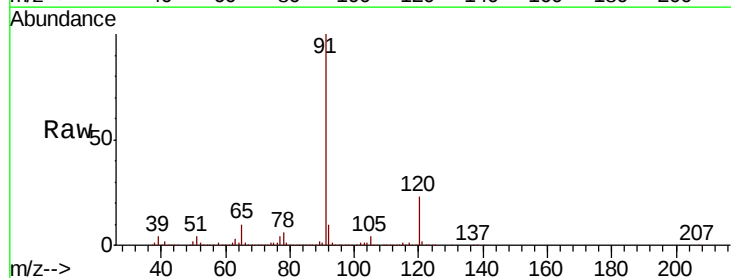
Acq: 7 Dec 2018 17:39

Tgt Ion: 91 Resp: 4858630

Ion Ratio Lower Upper

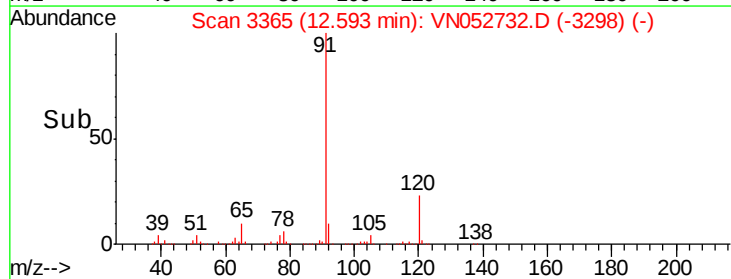
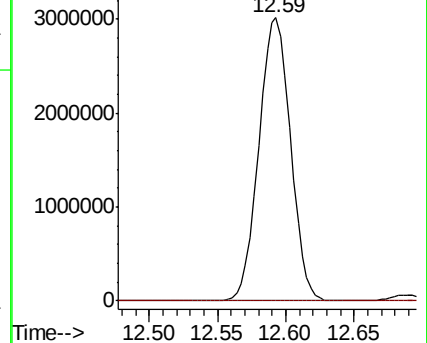
91 100

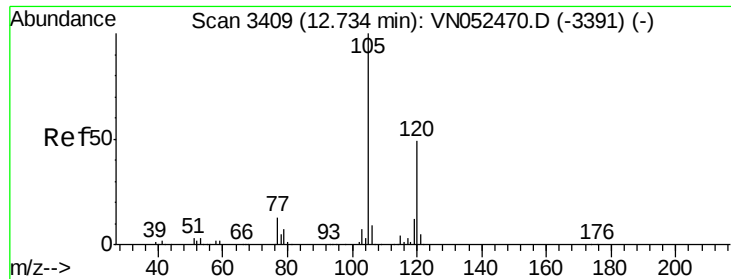
126 0.0 17.2 51.6#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

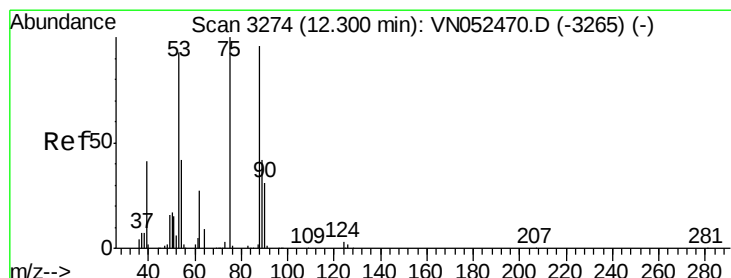
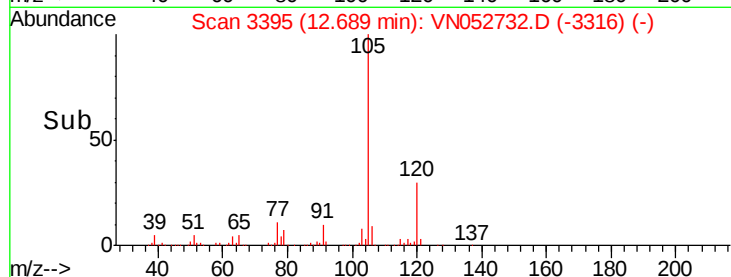
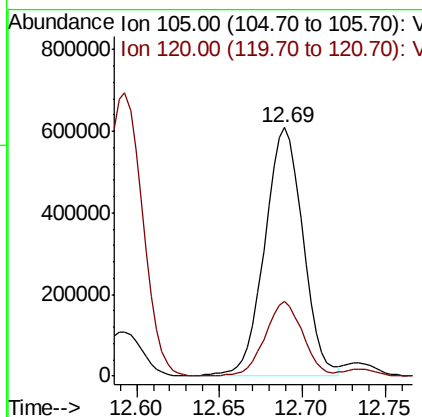
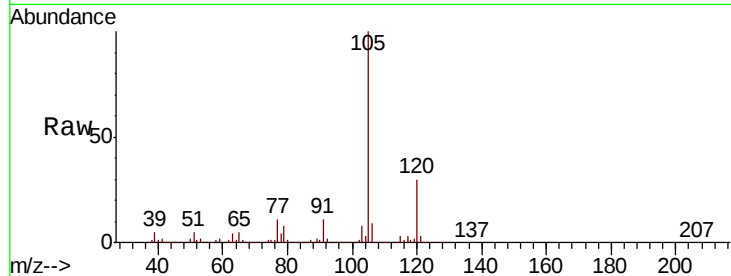




#80
 1,3,5-Trimethylbenzene
 Concen: 24.049 ug/l
 RT: 12.69 min Scan# 3395
 Delta R.T. -0.05 min
 Lab File: VN052732.D
 Acq: 7 Dec 2018 17:39

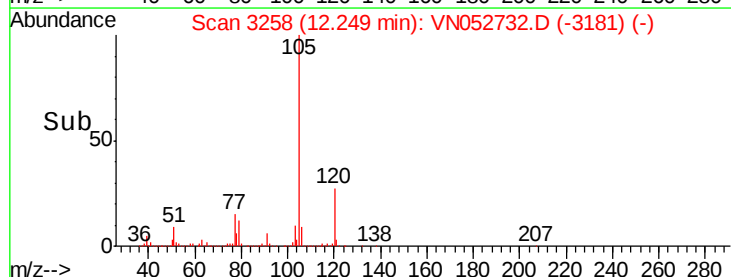
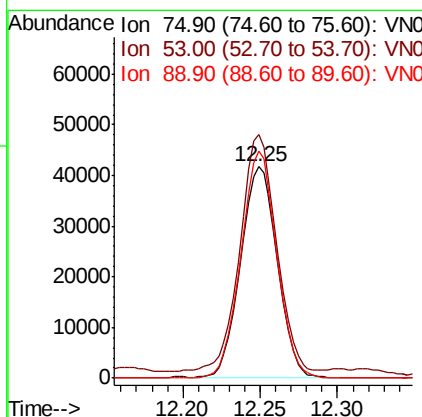
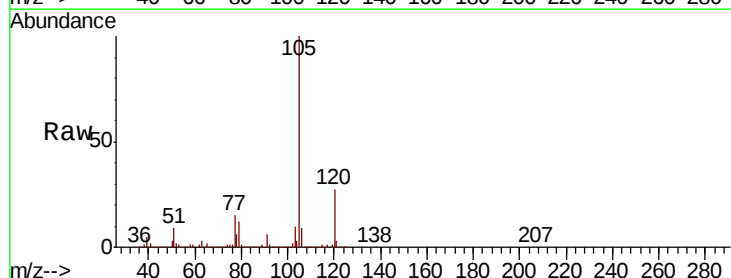
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2

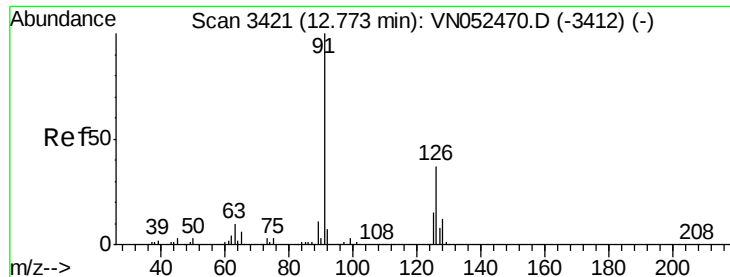
Tot Ion:105 Resp: 979578
 Ion Ratio Lower Upper
 105 100
 120 29.8 24.3 73.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 22.932 ug/l
 RT: 12.25 min Scan# 3258
 Delta R.T. -0.05 min
 Lab File: VN052732.D
 Acq: 7 Dec 2018 17:39

Tgt Ion: 75 Resp: 68931
 Ion Ratio Lower Upper
 75 100
 53 110.2 77.4 116.0
 89 104.8 35.4 53.2#





#82

4-Chlorotoluene

Concen: 9.044 ug/l

RT: 12.89 min Scan# 3458

Delta R.T. 0.12 min

Lab File: VN052732.D

Acq: 7 Dec 2018 17:39

Instrument :

MSVOA_N

ClientSampled :

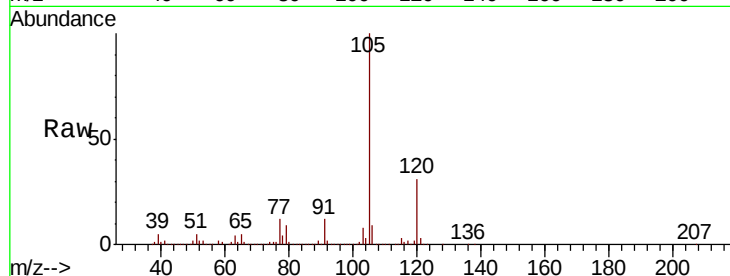
MW-2

Tot Ion: 91 Resp: 314934

Ion Ratio Lower Upper

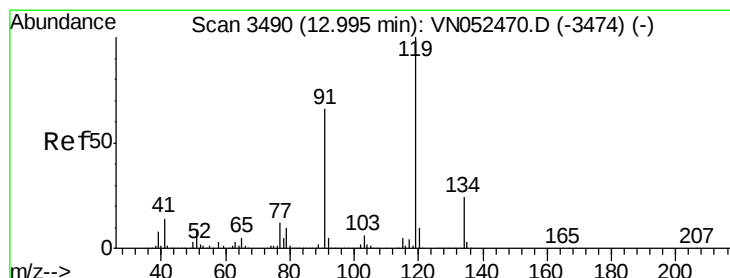
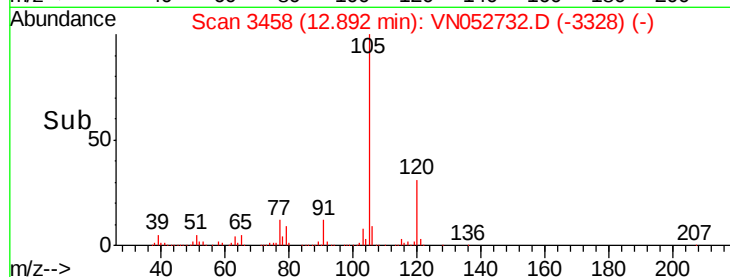
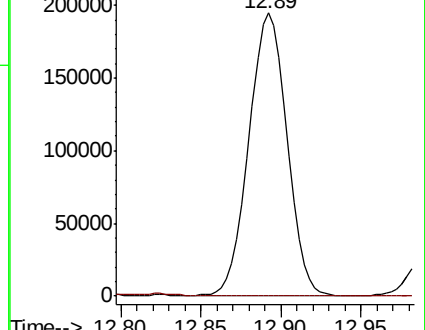
91 100

126 0.0 16.9 50.6#



Abundance Ion 91.00 (90.70 to 91.70): VN052732.D (-3458) (-)

Ion 125.90 (125.60 to 126.60): VN052732.D (-3458) (-)



#83

tert-Butylbenzene

Concen: 2.432 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN052732.D

Acq: 7 Dec 2018 17:39

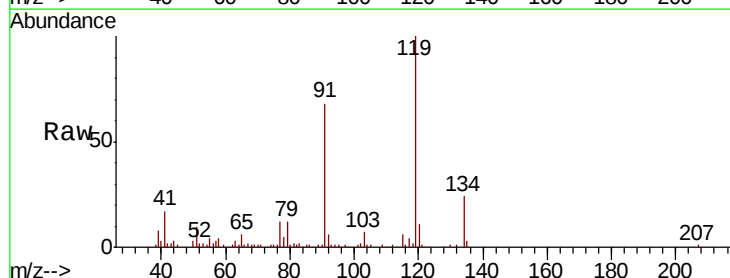
Tgt Ion: 119 Resp: 88312

Ion Ratio Lower Upper

119 100

91 66.1 32.3 96.9

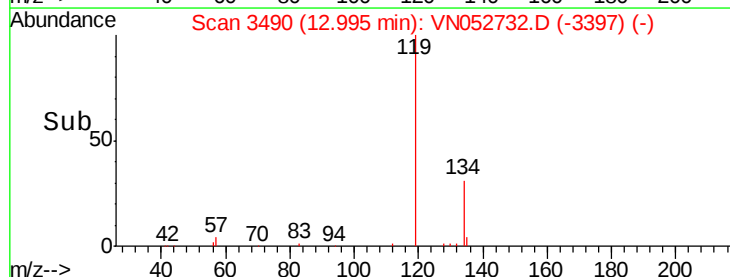
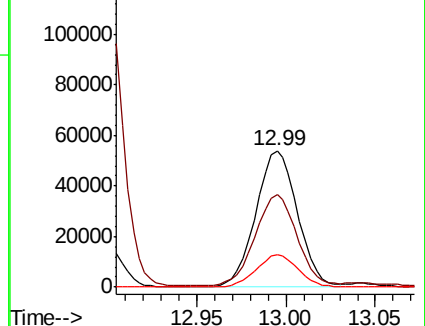
134 23.7 13.0 38.9

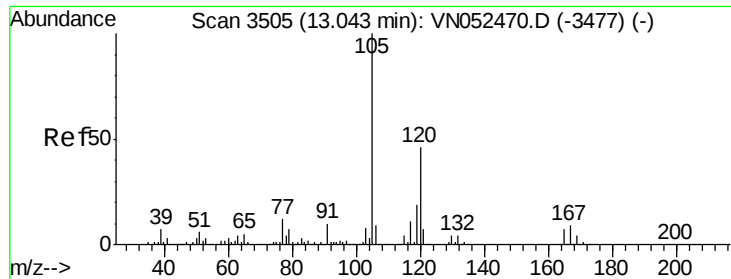


Abundance Ion 119.00 (118.70 to 119.70): VN052732.D (-3490) (-)

Ion 91.00 (90.70 to 91.70): VN052732.D (-3490) (-)

Ion 134.00 (133.70 to 134.70): VN052732.D (-3490) (-)

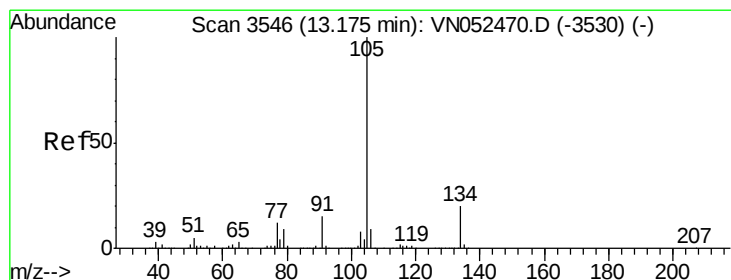
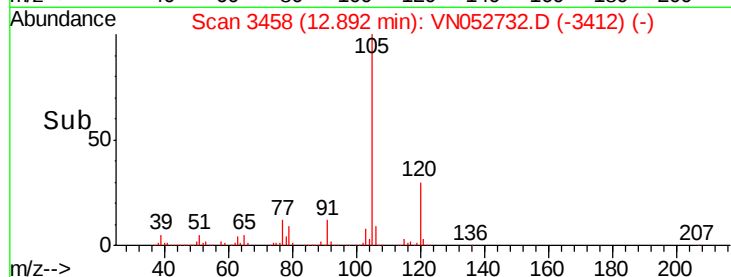
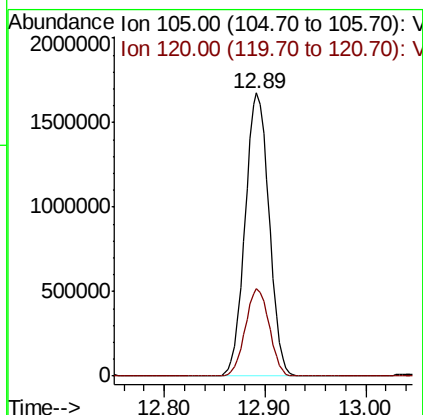
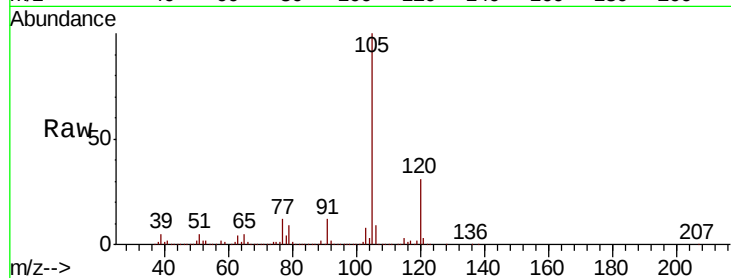




#84
1,2,4-Trimethylbenzene
Concen: 66.898 ug/l
RT: 12.89 min Scan# 3458
Delta R.T. -0.15 min
Lab File: VN052732.D
Acq: 7 Dec 2018 17:39

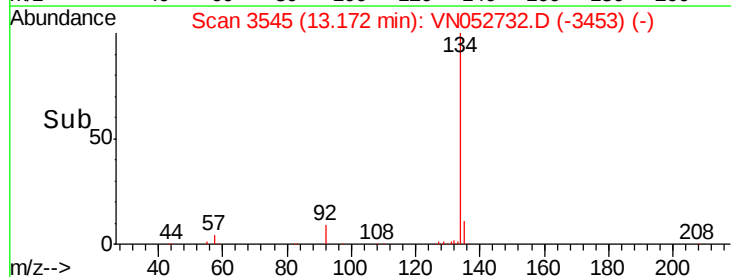
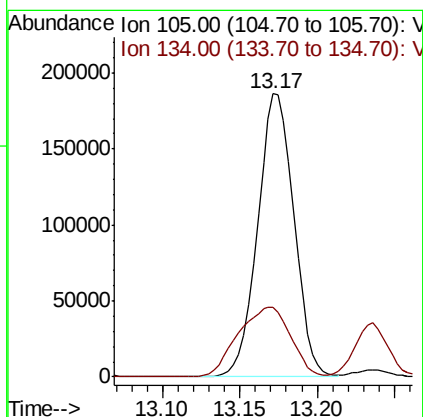
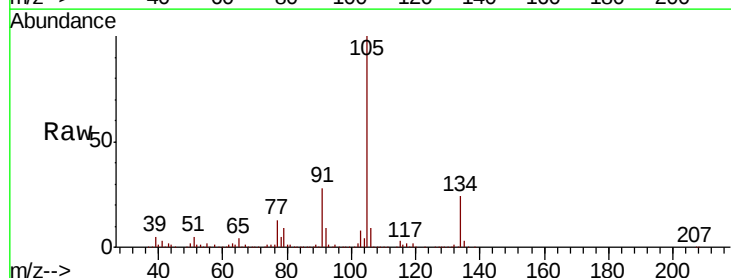
Instrument :
MSVOA_N
ClientSampled :
MW-2

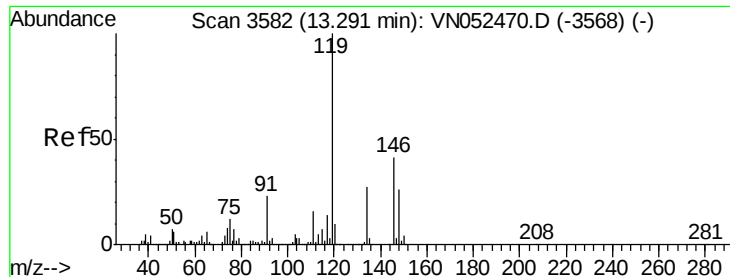
Tot Ion:105 Resp: 2730792
Ion Ratio Lower Upper
105 100
120 30.9 22.8 68.4



#85
sec-Butylbenzene
Concen: 6.123 ug/l
RT: 13.17 min Scan# 3545
Delta R.T. -0.00 min
Lab File: VN052732.D
Acq: 7 Dec 2018 17:39

Tgt Ion:105 Resp: 302827
Ion Ratio Lower Upper
105 100
134 35.8 9.9 29.7#

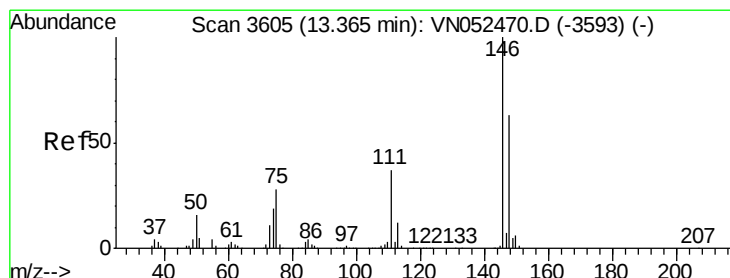
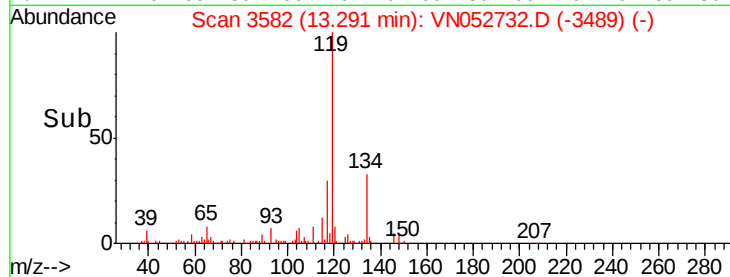
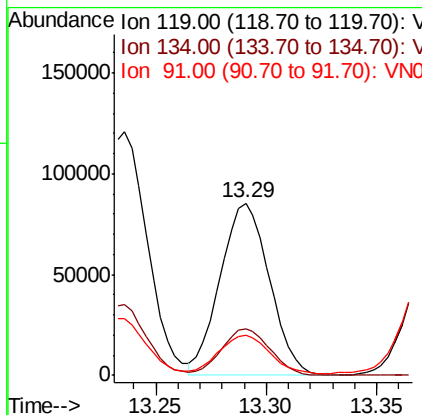
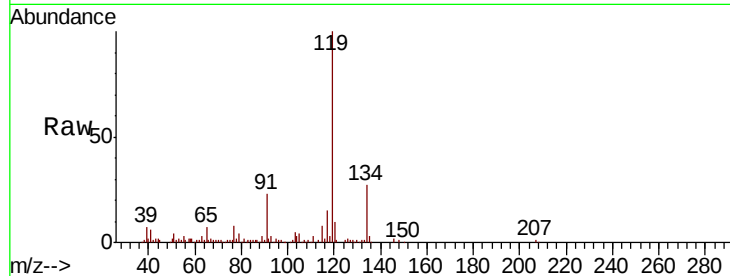




#86
 p-Isopropyltoluene
 Concen: 3.121 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN052732.D
 Acq: 7 Dec 2018 17:39

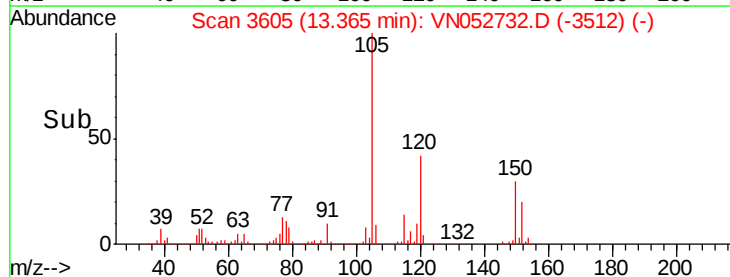
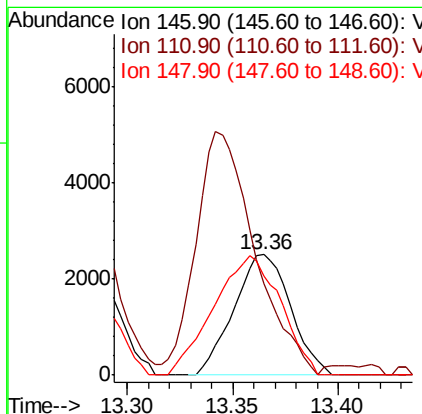
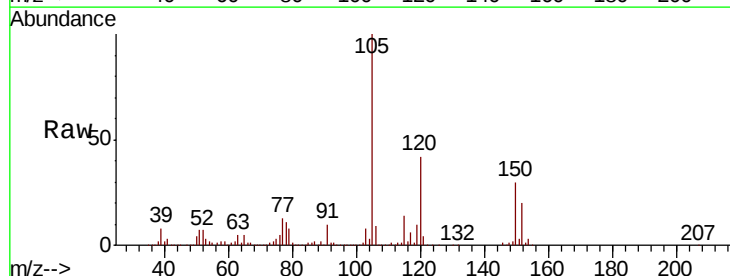
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2

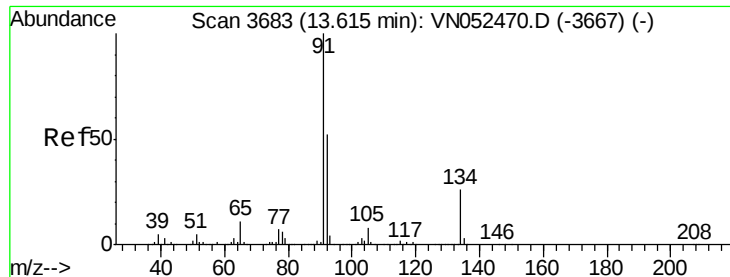
Tot Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.4	40.2
91	0.0	11.4	34.2#



#88
 1,4-Dichlorobenzene
 Concen: 0.215 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN052732.D
 Acq: 7 Dec 2018 17:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	0.0	18.6	56.0#
148	116.7	31.9	95.9#





#89

n-Butylbenzene

Concen: 11.130 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN052732.D

Acq: 7 Dec 2018 17:39

Instrument :

MSVOA_N

ClientSampled :

MW-2

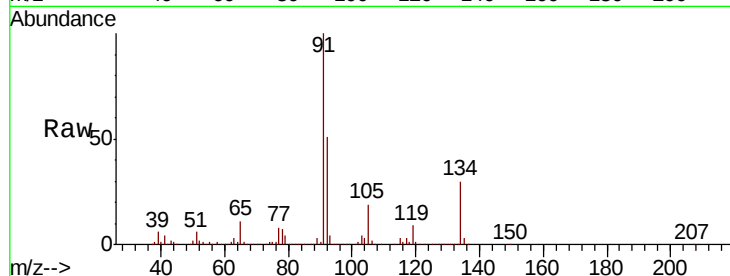
Tot Ion: 91 Resp: 389941

Ion Ratio Lower Upper

91 100

92 43.0 26.1 78.3

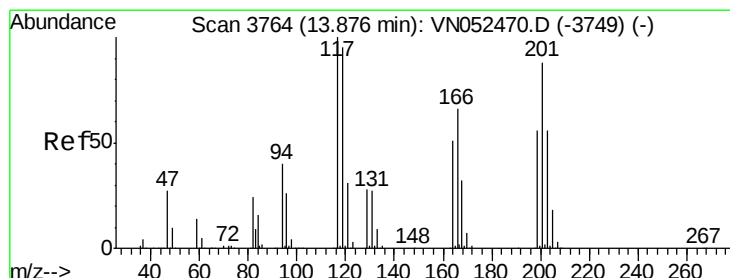
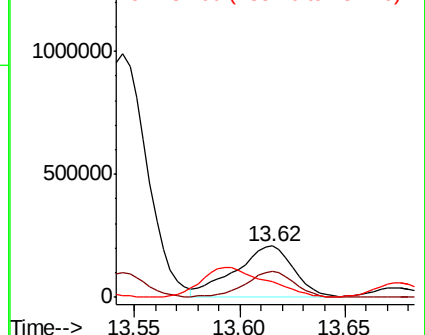
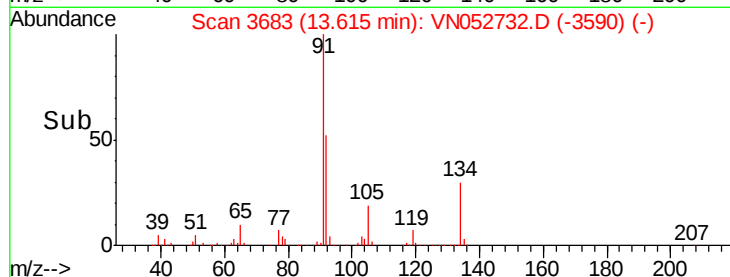
134 0.0 13.0 38.9#



Abundance Ion 91.00 (90.70 to 91.70): VN052732.D (-3590) (-)

Ion 92.00 (91.70 to 92.70): VN052732.D (-3590) (-)

Ion 134.00 (133.70 to 134.70): VN052732.D (-3590) (-)



#90

Hexachloroethane

Concen: 46.095 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.01 min

Lab File: VN052732.D

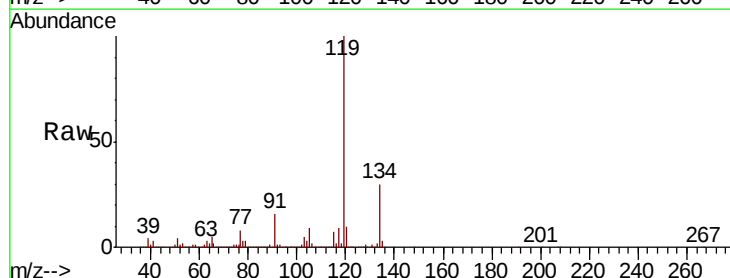
Acq: 7 Dec 2018 17:39

Tgt Ion: 117 Resp: 328785

Ion Ratio Lower Upper

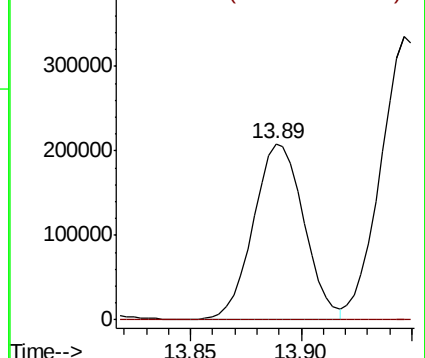
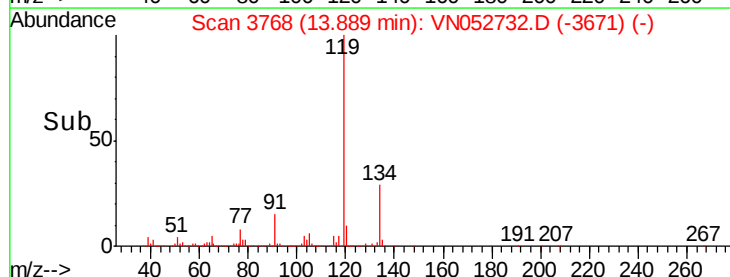
117 100

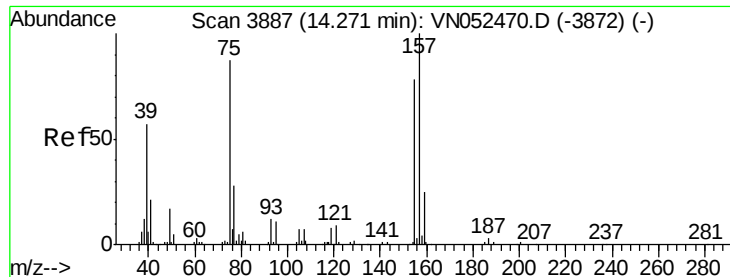
201 0.1 43.6 130.9#



Abundance Ion 116.80 (116.50 to 117.50): VN052732.D (-3671) (-)

Ion 200.70 (200.40 to 201.40): VN052732.D (-3671) (-)





#92

1,2-Dibromo-3-Chloropropane

Concen: 9.471 ug/l

RT: 14.21 min Scan# 3868

Delta R.T. -0.06 min

Lab File: VN052732.D

Acq: 7 Dec 2018 17:39

Instrument :

MSVOA_N

ClientSampled :

MW-2

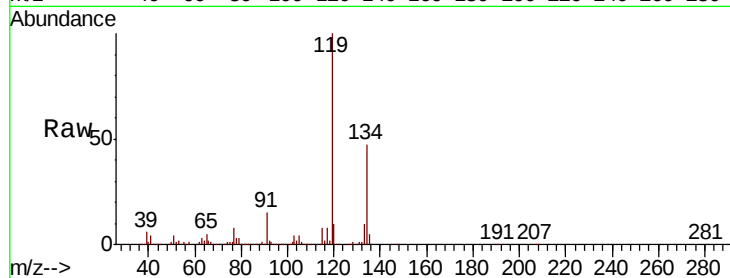
Tot Ion: 75 Resp: 15737

Ion Ratio Lower Upper

75 100

155 0.0 45.3 135.9#

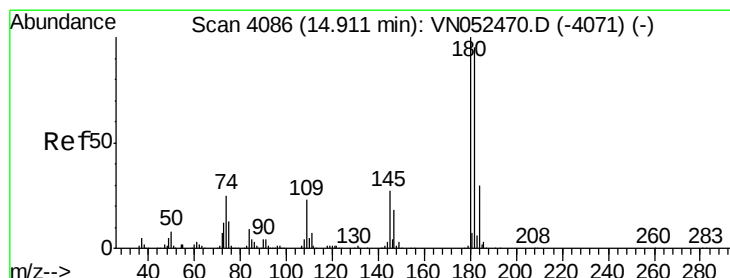
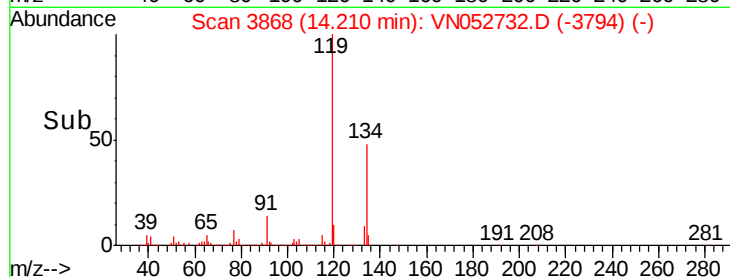
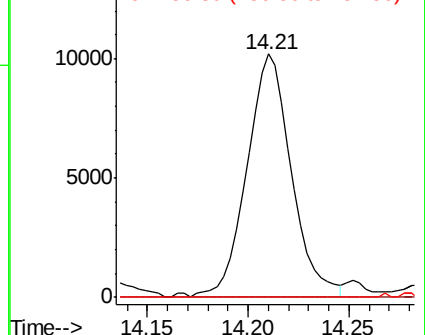
157 0.0 58.1 174.2#



Abundance Ion 74.90 (74.60 to 75.60): VN052470.D (-3872) (-)

Ion 154.80 (154.50 to 155.50): VN052470.D (-3872) (-)

Ion 156.80 (156.50 to 157.50): VN052470.D (-3872) (-)



#93

1,2,4-Trichlorobenzene

Concen: 3.496 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. -0.00 min

Lab File: VN052732.D

Acq: 7 Dec 2018 17:39

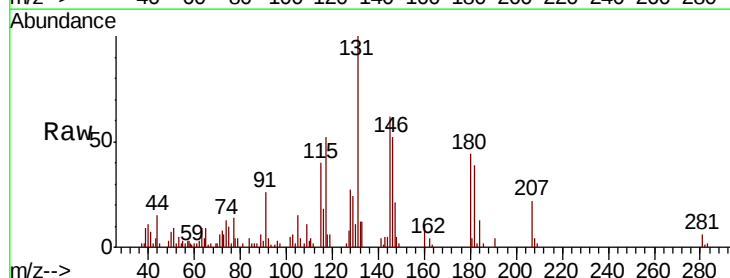
Tgt Ion: 180 Resp: 8169

Ion Ratio Lower Upper

180 100

182 98.2 47.8 143.4

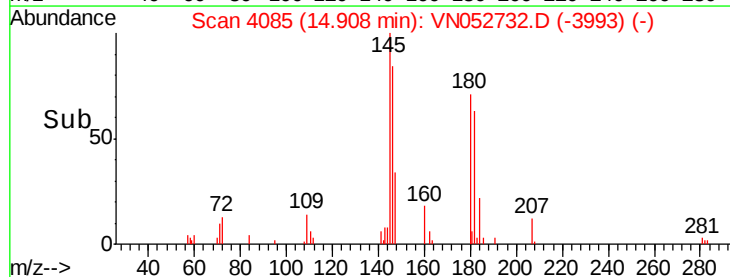
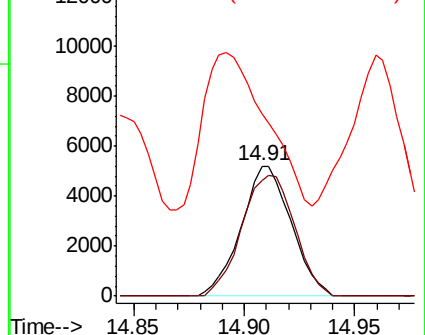
145 303.2 14.1 42.3#

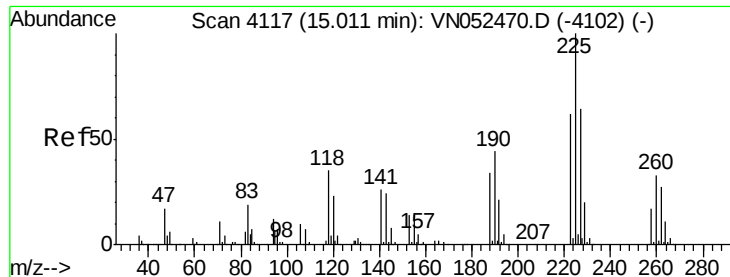


Abundance Ion 179.80 (179.50 to 180.50): VN052470.D (-4071) (-)

Ion 181.80 (181.50 to 182.50): VN052470.D (-4071) (-)

Ion 144.80 (144.50 to 145.50): VN052470.D (-4071) (-)





#94

Hexachlorobutadiene

Concen: 0.227 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. -0.00 min

Lab File: VN052732.D

Acq: 7 Dec 2018 17:39

Instrument :

MSVOA_N

ClientSampleId :

MW-2

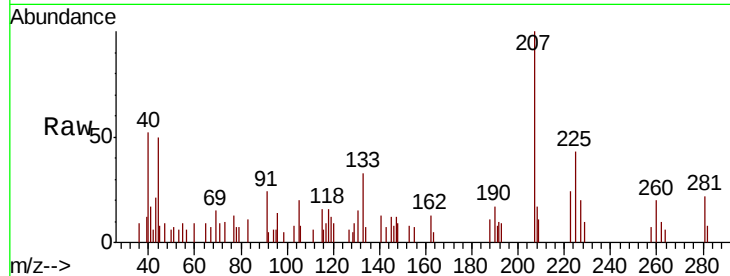
Tot Ion:225 Resp: 1542

Ion Ratio Lower Upper

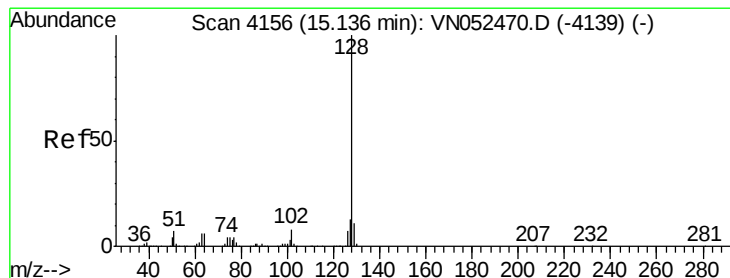
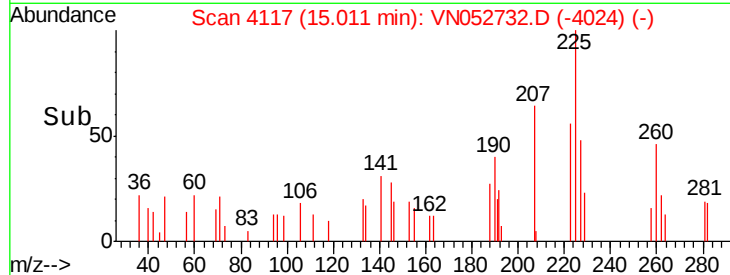
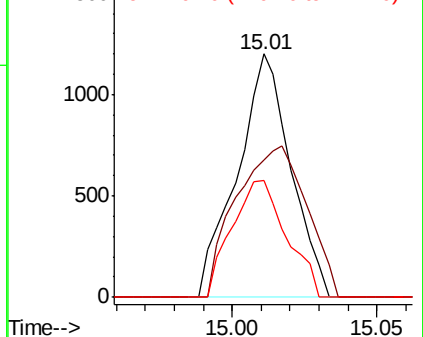
225 100

223 81.7 31.4 94.2

227 48.9 32.5 97.4



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



#95

Naphthalene

Concen: 11.227 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052732.D

Acq: 7 Dec 2018 17:39

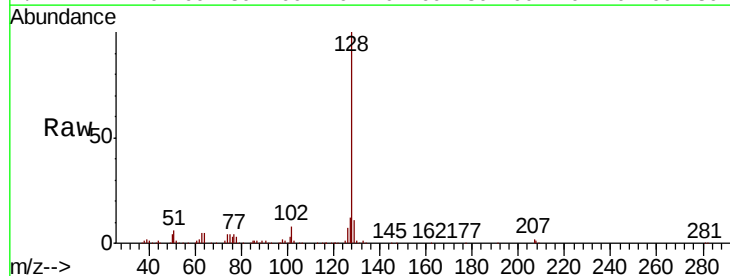
Tgt Ion:128 Resp: 205198

Ion Ratio Lower Upper

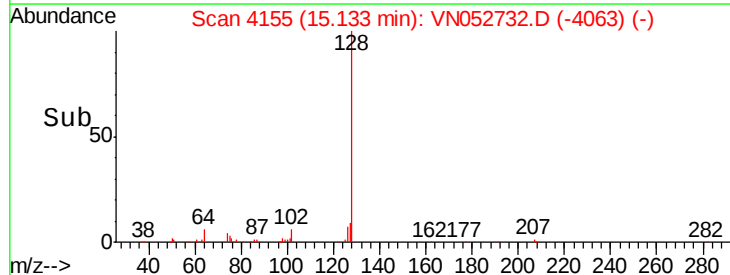
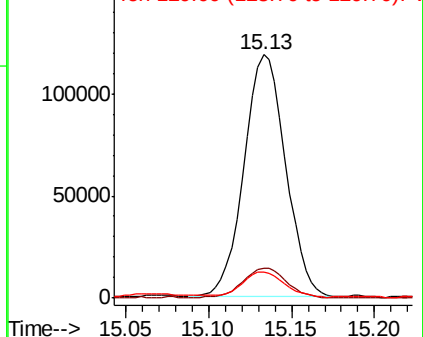
128 100

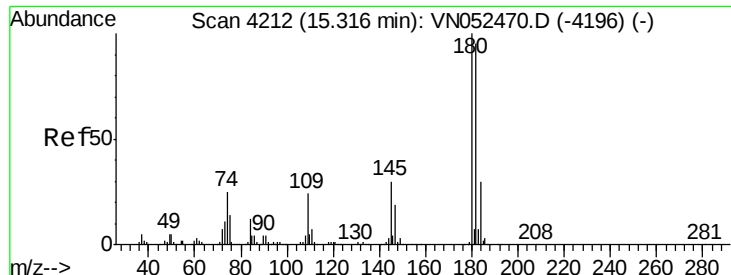
127 12.9 10.2 15.2

129 11.5 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 3.431 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN052732.D
 Acq: 7 Dec 2018 17:39

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2

Tot Ion:180 Resp: 7914
 Ion Ratio Lower Upper
 180 100
 182 106.0 47.8 143.3
 145 0.0 15.2 45.5#

