

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091518\
 Data File : VN051251.D
 Acq On : 16 Sep 2018 3:46
 Operator : MD\SY
 Sample : J4929-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 17 04:26:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	410825	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	651266	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	516064	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	152877	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	227768	49.82	ug/l	0.00
Spiked Amount			Recovery	=	99.64%	
35) Dibromofluoromethane	7.59	113	246506	50.37	ug/l	0.00
Spiked Amount			Recovery	=	100.74%	
50) Toluene-d8	10.09	98	829844	44.69	ug/l	0.00
Spiked Amount			Recovery	=	89.38%	
62) 4-Bromofluorobenzene	12.40	95	210339	34.24	ug/l	0.00
Spiked Amount			Recovery	=	68.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	1870	Below Cal		96
5) Bromomethane	2.57	94	1547	Below Cal		82
10) Methyl Iodide	3.96	142	251	5.68	ug/l #	44
11) Tert butyl alcohol	4.78	59	224	0.64	ug/l #	73
14) Allyl chloride	4.56	41	9341	1.40	ug/l #	26
16) Acetone	3.82	43	11417	4.36	ug/l	99
17) Carbon Disulfide	4.06	76	1187	0.20	ug/l #	76
18) Methyl Acetate	4.34	43	12236	3.34	ug/l	93
20) Methylene Chloride	4.56	84	266802	52.83	ug/l	99
25) 2-Butanone	6.85	43	4728	2.63	ug/l	92
28) Bromochloromethane	7.37	49	1035	0.28	ug/l #	7
29) Tetrahydrofuran	7.23	42	655	0.58	ug/l #	61
30) Chloroform	7.37	83	17279	2.07	ug/l	96
31) Cyclohexane	7.67	56	6697	0.67	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	26806	3.75	ug/l #	48
38) Carbon Tetrachloride	7.67	117	36092	5.13	ug/l #	17
43) Isopropyl Acetate	8.17	43	209570	28.68	ug/l #	80
47) Bromodichloromethane	9.40	83	4631	0.67	ug/l	99
48) Methyl methacrylate	9.18	41	4804	1.35	ug/l #	14
51) 4-Methyl-2-Pentanone	9.99	43	1461	0.36	ug/l #	60
56) Ethyl methacrylate	10.29	69	30	2.46	ug/l #	1
59) 2-Hexanone	10.77	43	11759	4.29	ug/l	62
60) Dibromochloromethane	10.90	129	1203	0.22	ug/l	91
68) m/p-Xylenes	11.61	106	1724	0.21	ug/l	97
71) Bromoform	12.40	173	1041	0.32	ug/l #	1
74) N-amyl acetate	12.03	43	1217	0.38	ug/l #	40
76) 1,2,3-Trichloropropane	12.40	75	98243	41.19	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	4162	0.40	ug/l	91
81) trans-1,4-Dichloro-2-buten	12.40	75	98243	122.05	ug/l #	15
83) tert-Butylbenzene	13.04	119	2482	0.27	ug/l #	72
84) 1,2,4-Trimethylbenzene	13.04	105	14210	1.39	ug/l	99
90) Hexachloroethane	13.89	117	227	Below Cal	#	2
95) Naphthalene	15.13	128	28589	9.78	ug/l	97

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QLast Update : Tue Sep 11 02:27:09 2018
Response via : Initial Calibration

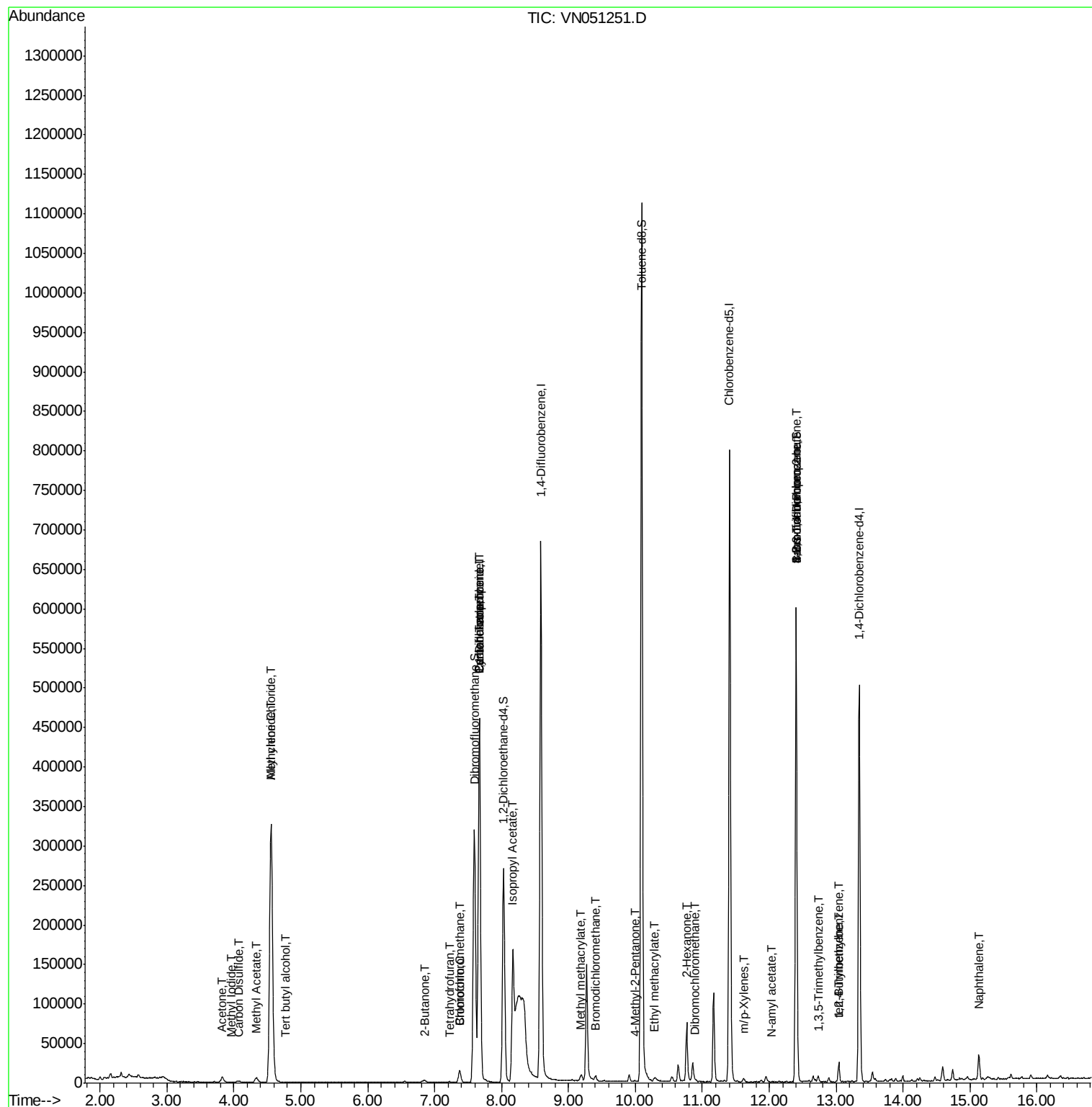
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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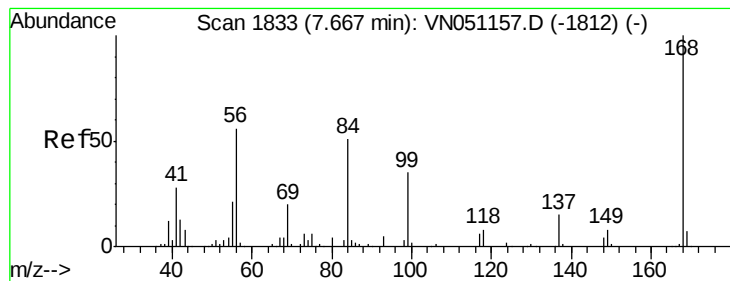
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN051251.D

Acq: 16 Sep 2018 3:46

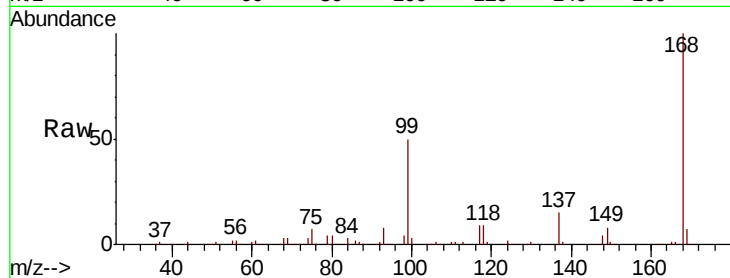
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 410825

Ion Ratio Lower Upper

168 100

99 49.8 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

200000

150000

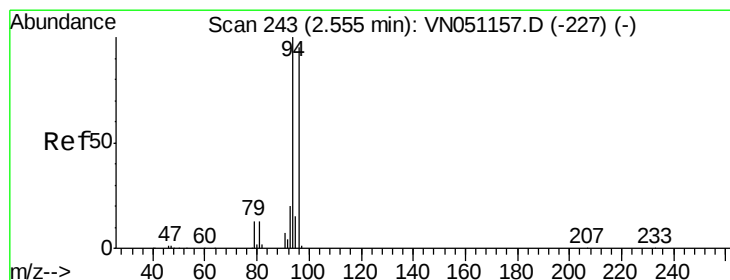
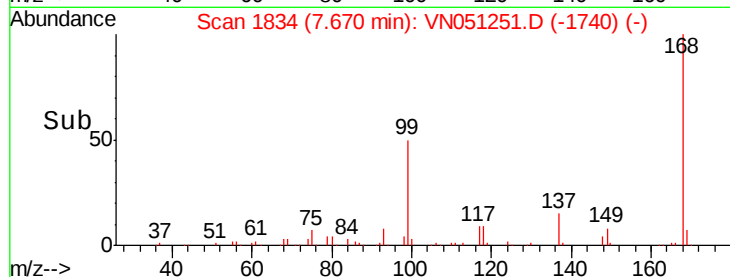
100000

50000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051251.D

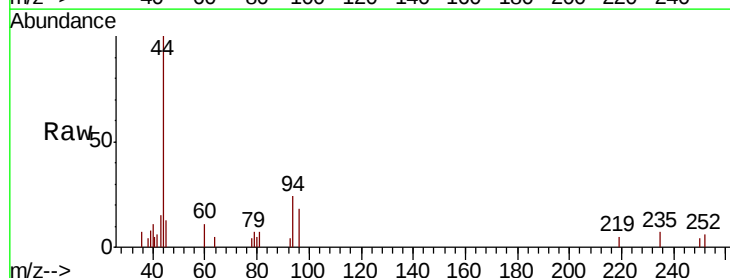
Acq: 16 Sep 2018 3:46

Tgt Ion: 94 Resp: 1547

Ion Ratio Lower Upper

94 100

96 77.8 75.9 113.9



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

1000

800

600

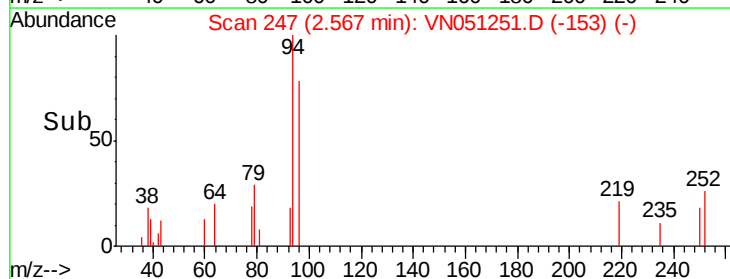
400

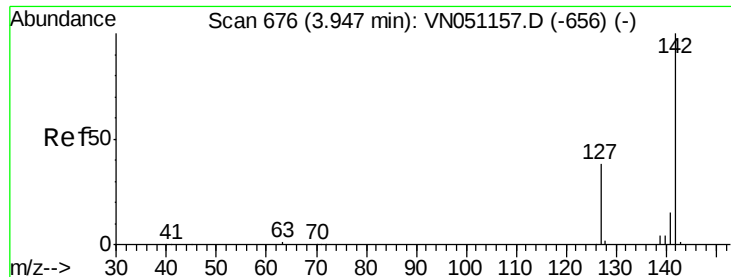
200

0

2.52 2.54 2.56 2.58 2.60

Time-->

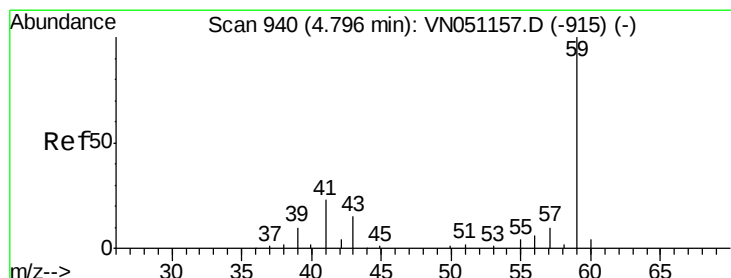
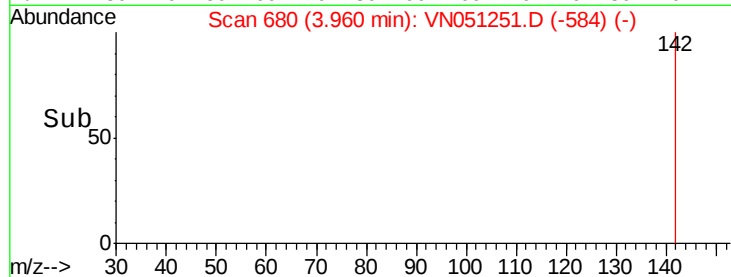
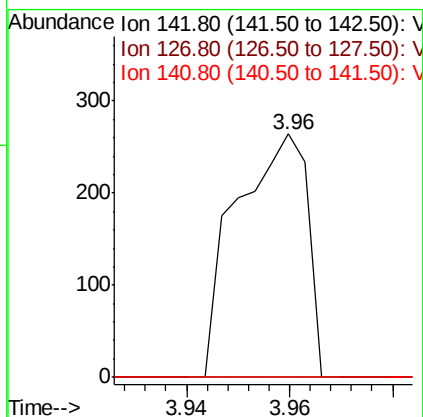
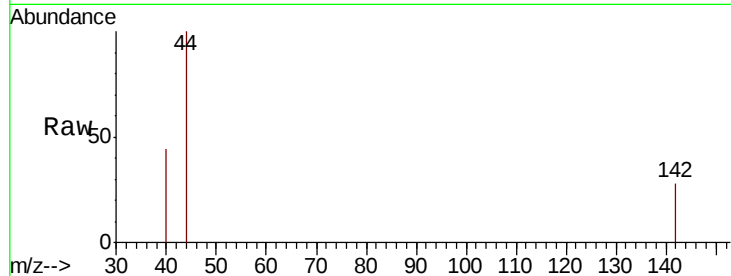




#10
Methvl Iodide
Concen: 5.68 ug/l
RT: 3.96 min Scan# 680
Delta R.T. 0.01 min
Lab File: VN051251.D
Acq: 16 Sep 2018 3:46

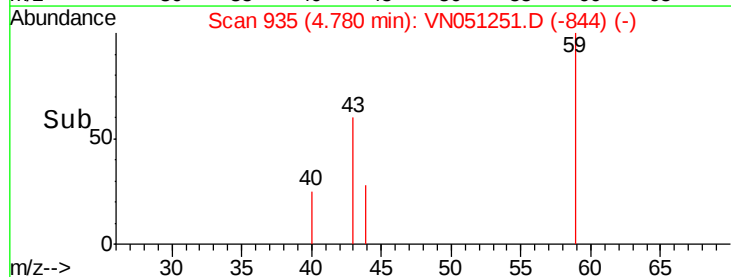
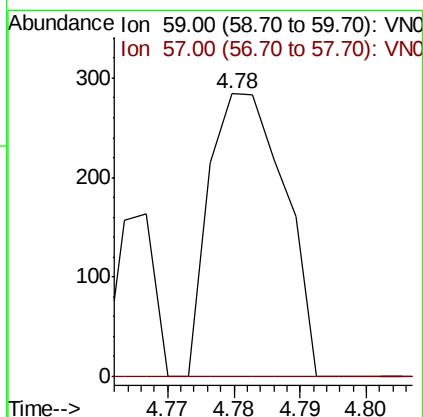
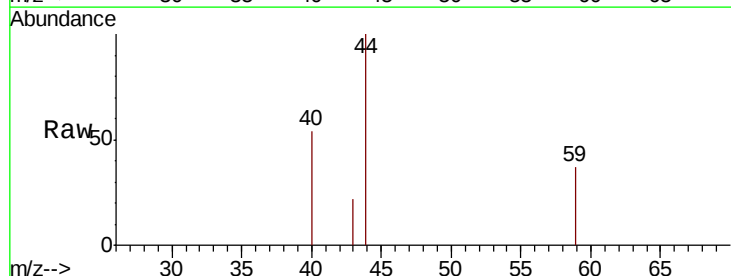
Instrument :
MSVOA_N
ClientSampleId :

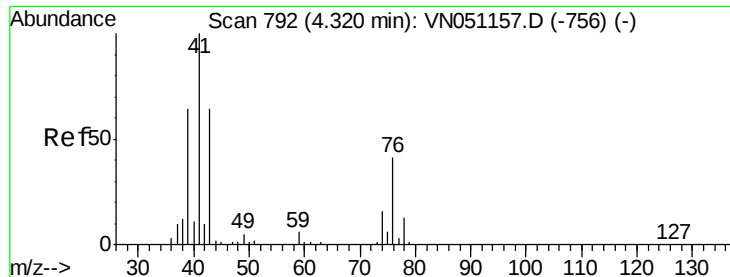
Tot Ion:142 Resp: 251
Ion Ratio Lower Upper
142 100
127 0.0 31.0 46.4#
141 0.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: 0.64 ug/l
RT: 4.78 min Scan# 935
Delta R.T. -0.01 min
Lab File: VN051251.D
Acq: 16 Sep 2018 3:46

Tgt Ion: 59 Resp: 224
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#





#14

Allvl chloride

Concen: 1.40 ug/l

RT: 4.56 min Scan# 866

Delta R.T. 0.23 min

Lab File: VN051251.D

Acq: 16 Sep 2018 3:46

Instrument :

MSVOA_N

ClientSampleId :

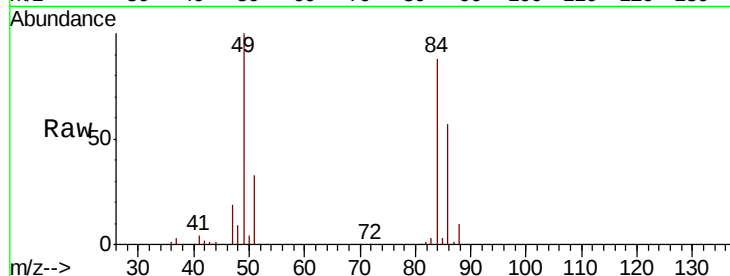
Tot Ion: 41 Resp: 9341

Ion Ratio Lower Upper

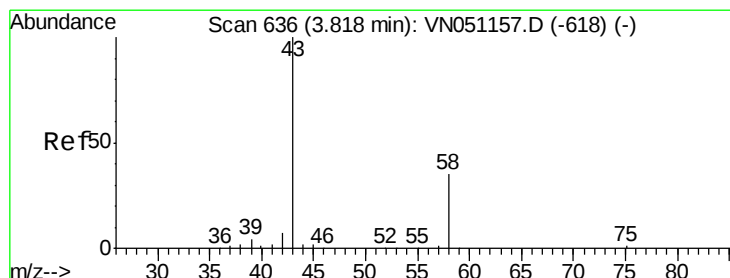
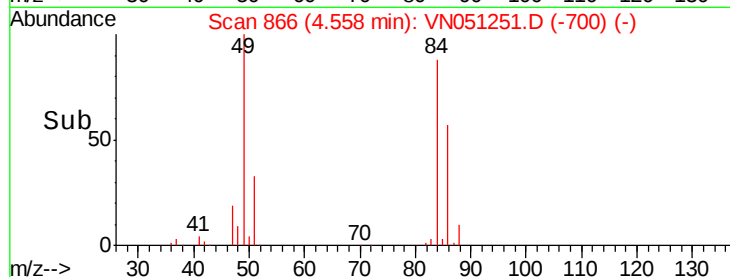
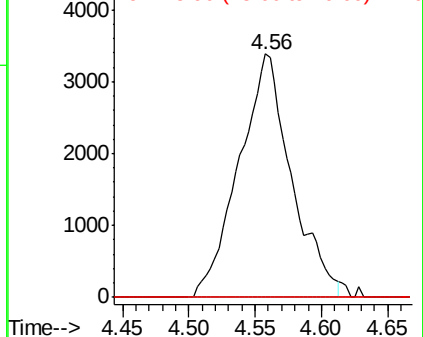
41 100

39 0.0 48.8 73.2#

76 0.0 30.6 45.8#



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 75.90 (75.60 to 76.60): VNO



#16

Acetone

Concen: 4.36 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN051251.D

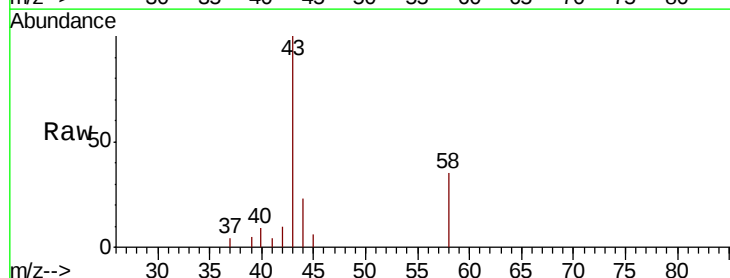
Acq: 16 Sep 2018 3:46

Tgt Ion: 43 Resp: 11417

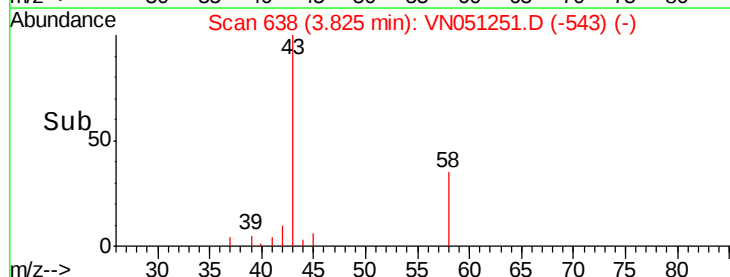
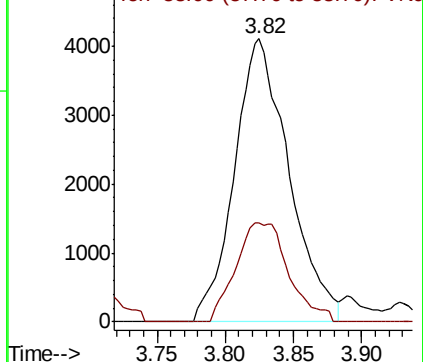
Ion Ratio Lower Upper

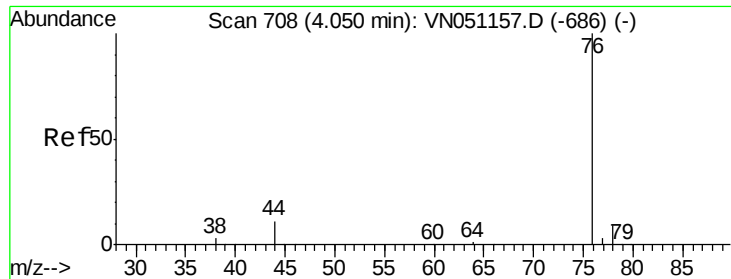
43 100

58 35.2 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 58.00 (57.70 to 58.70): VNO

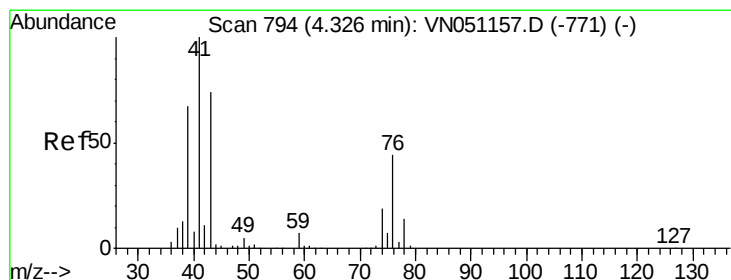
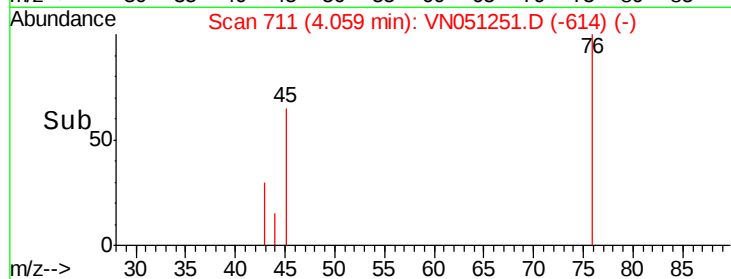
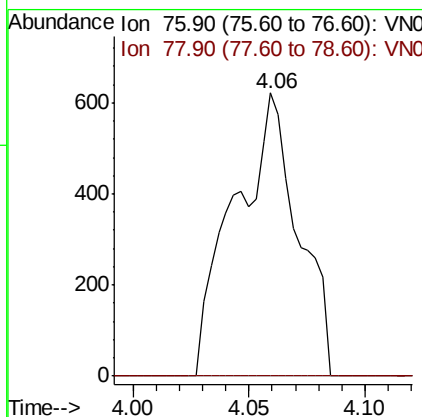
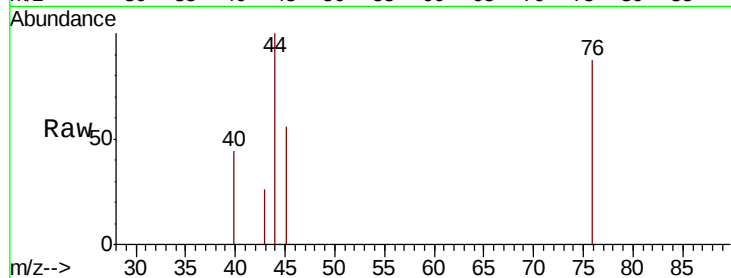




#17
Carbon Disulfide
Concen: 0.20 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.01 min
Lab File: VN051251.D
Acq: 16 Sep 2018 3:46

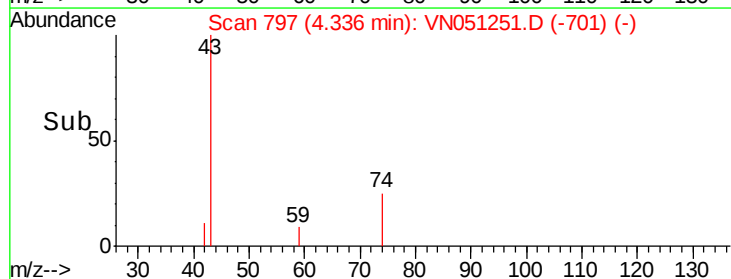
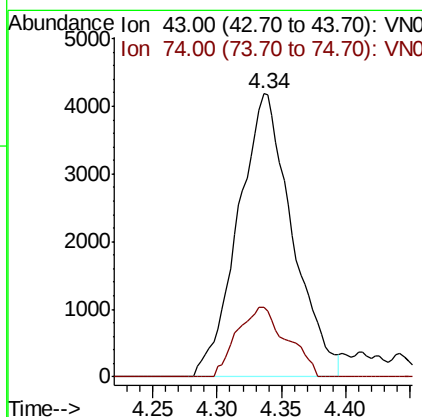
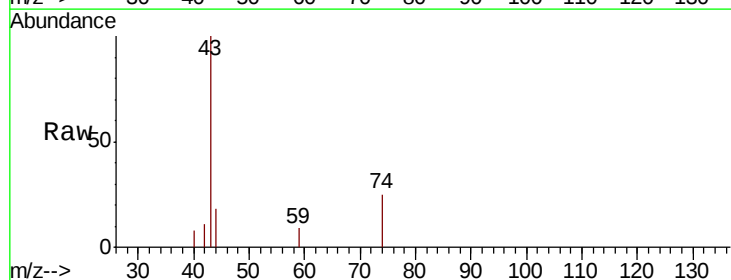
Instrument :
MSVOA_N
ClientSampled :

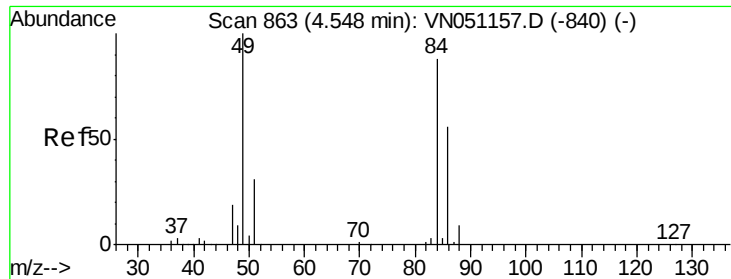
Tot Ion: 76 Resp: 1187
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#



#18
Methyl Acetate
Concen: 3.34 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN051251.D
Acq: 16 Sep 2018 3:46

Tgt Ion: 43 Resp: 12236
Ion Ratio Lower Upper
43 100
74 22.6 20.7 31.1

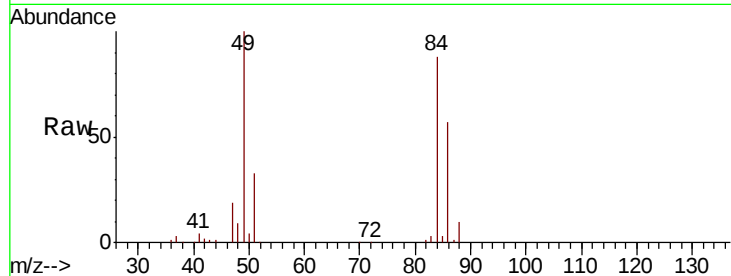




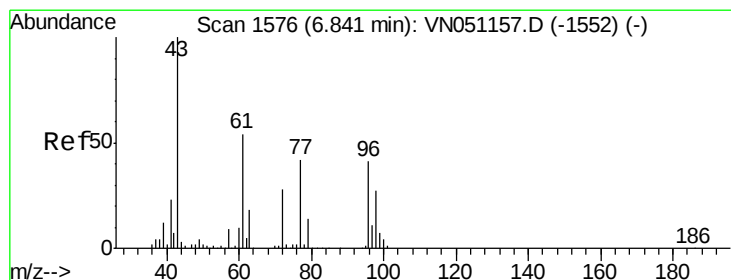
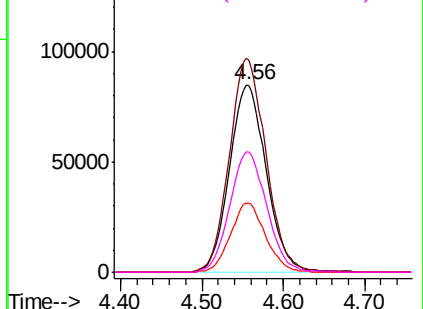
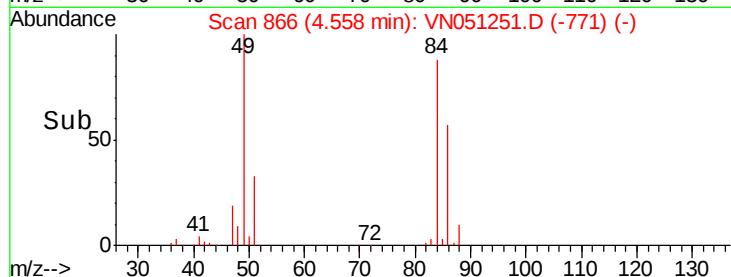
#20
Methylene Chloride
Concen: 52.83 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.01 min
Lab File: VN051251.D
Acq: 16 Sep 2018 3:46

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	84	Resp:	266802
Ion	Ratio	Lower	Upper
84	100		
49	113.3	90.2	135.2
51	37.1	28.4	42.6
86	64.2	51.8	77.8

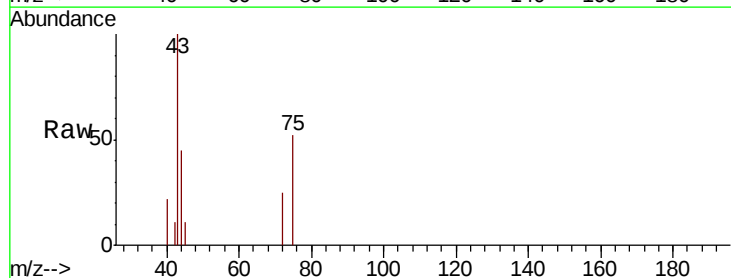


Abundance Ion 83.90 (83.60 to 84.60): VNO
150000 Ion 48.90 (48.60 to 49.60): VNO
Ion 50.90 (50.60 to 51.60): VNO
Ion 85.90 (85.60 to 86.60): VNO

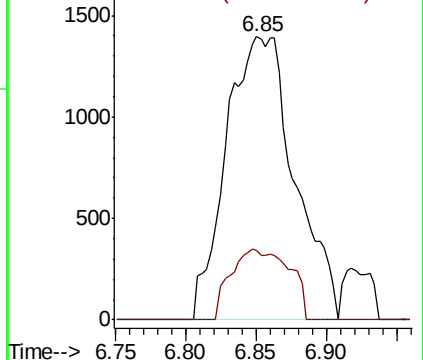
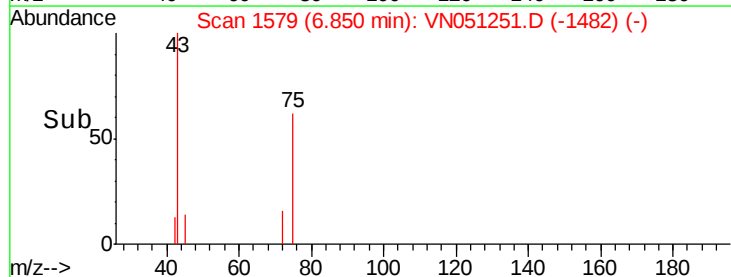


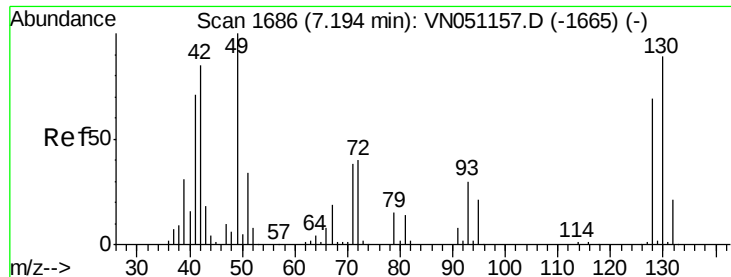
#25
2-Butanone
Concen: 2.63 ug/l
RT: 6.85 min Scan# 1579
Delta R.T. 0.01 min
Lab File: VN051251.D
Acq: 16 Sep 2018 3:46

Tgt Ion:	43	Resp:	4728
Ion	Ratio	Lower	Upper
43	100		
72	24.8	23.0	34.6



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 72.00 (71.70 to 72.70): VNO





#28

Bromochloromethane

Concen: 0.28 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. 0.17 min

Lab File: VN051251.D

Acq: 16 Sep 2018 3:46

Instrument :
MSVOA_N
ClientSampleId :

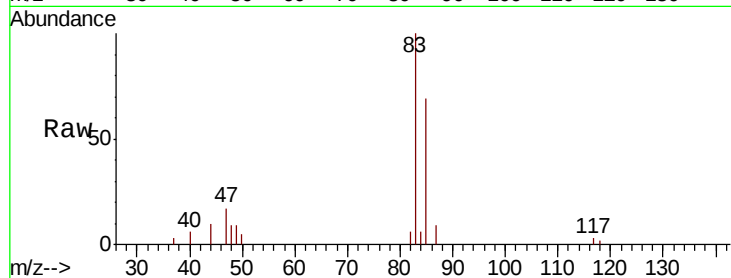
Tot Ion: 49 Resp: 1035

Ion Ratio Lower Upper

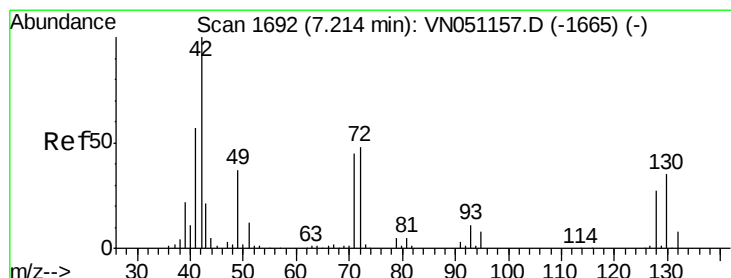
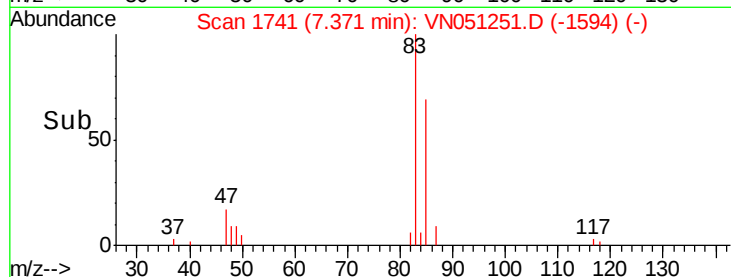
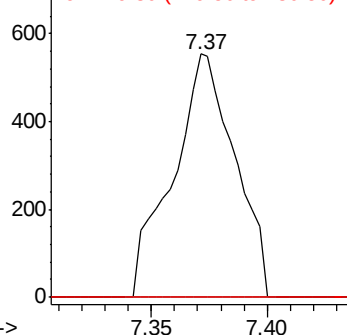
49 100

129 0.0 0.0 4.4

130 0.0 70.7 106.1#



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: 0.58 ug/l

RT: 7.23 min Scan# 1696

Delta R.T. 0.01 min

Lab File: VN051251.D

Acq: 16 Sep 2018 3:46

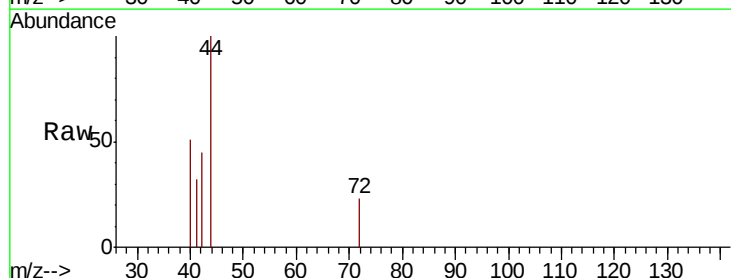
Tgt Ion: 42 Resp: 655

Ion Ratio Lower Upper

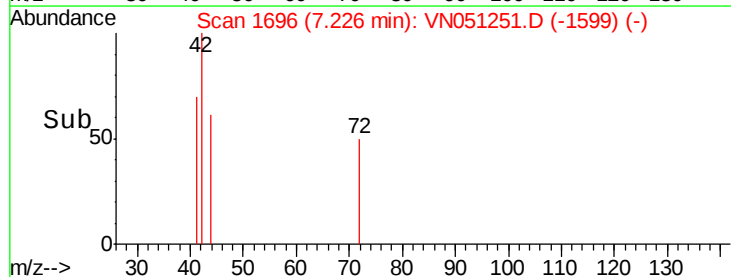
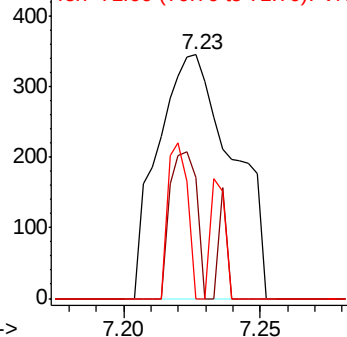
42 100

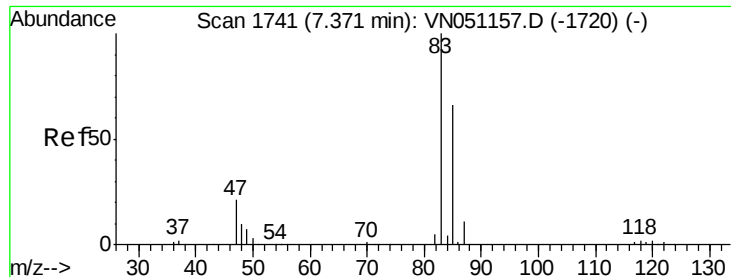
72 22.0 37.4 56.0#

71 17.3 34.7 52.1#



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

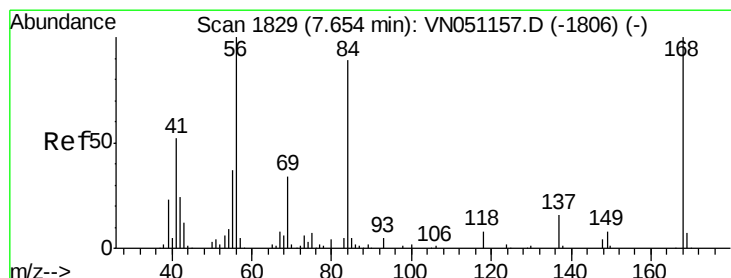
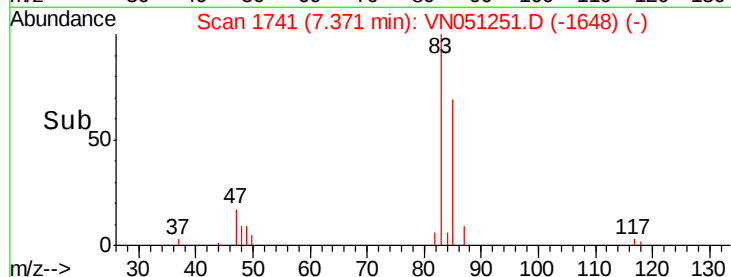
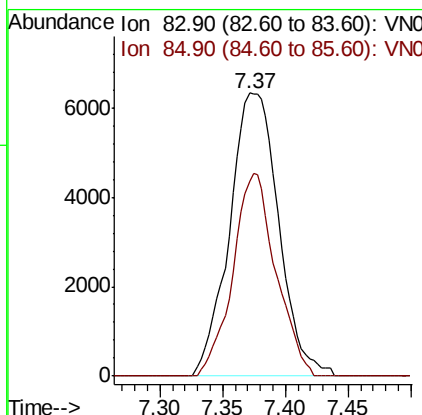
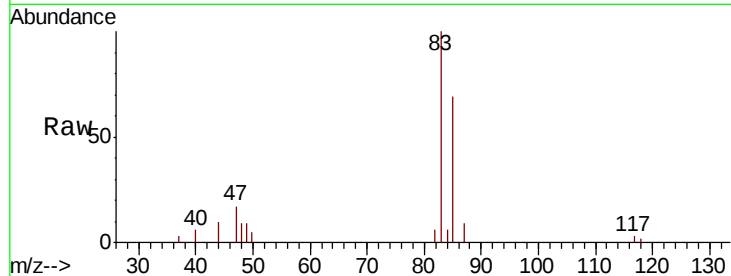




#30
Chloroform
Concen: 2.07 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051251.D
Acq: 16 Sep 2018 3:46

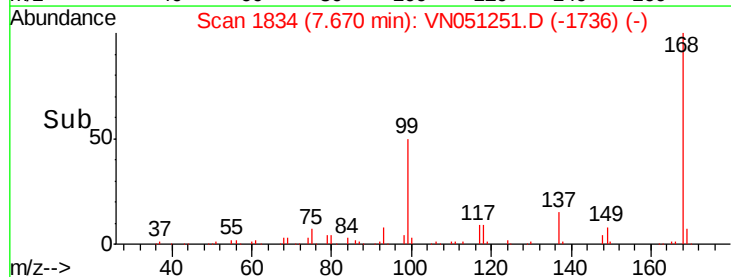
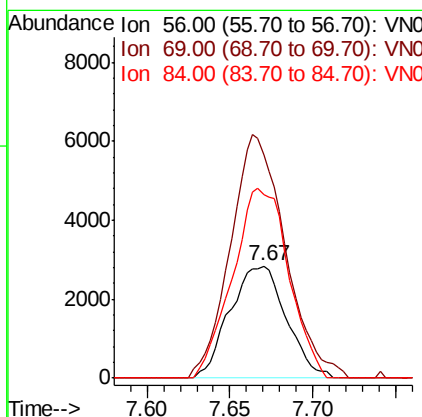
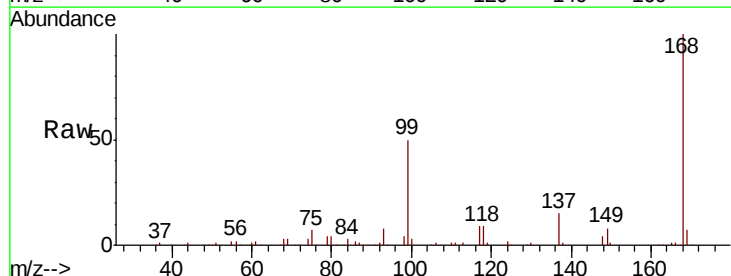
Instrument :
MSVOA_N
ClientSampleId :

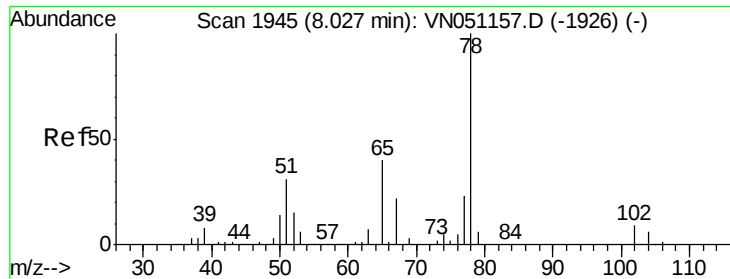
Tot Ion: 83 Resp: 17279
Ion Ratio Lower Upper
83 100
85 68.8 52.6 79.0



#31
Cyclohexane
Concen: 0.67 ug/l
RT: 7.67 min Scan# 1834
Delta R.T. 0.02 min
Lab File: VN051251.D
Acq: 16 Sep 2018 3:46

Tgt Ion: 56 Resp: 6697
Ion Ratio Lower Upper
56 100
69 198.8 26.3 39.5#
84 164.0 69.4 104.0#

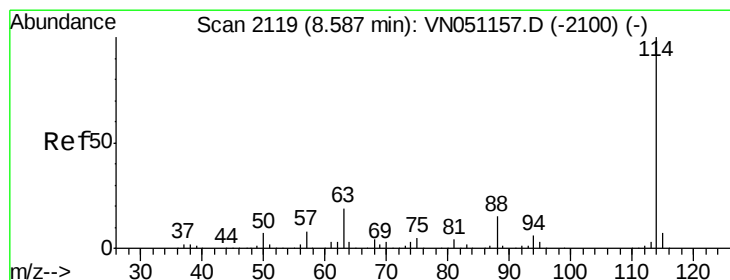
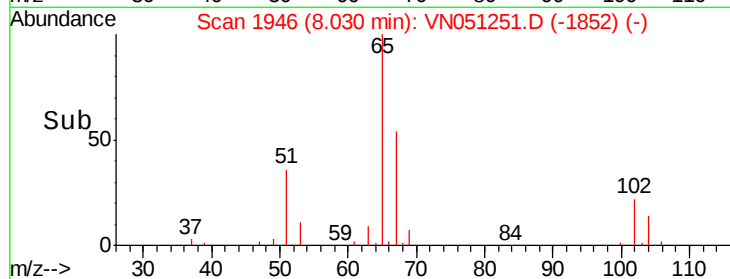
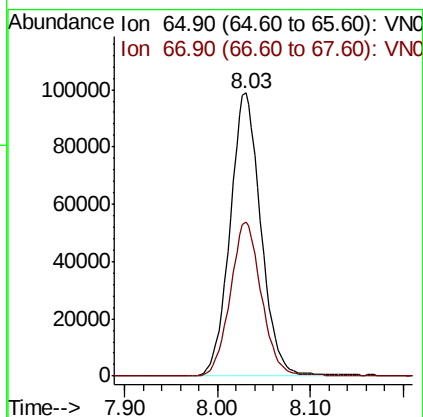
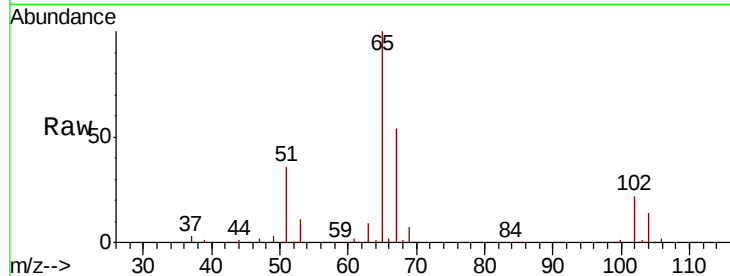




#33
 1,2-Dichloroethane-d4
 Concen: 49.82 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051251.D
 Acq: 16 Sep 2018 3:46

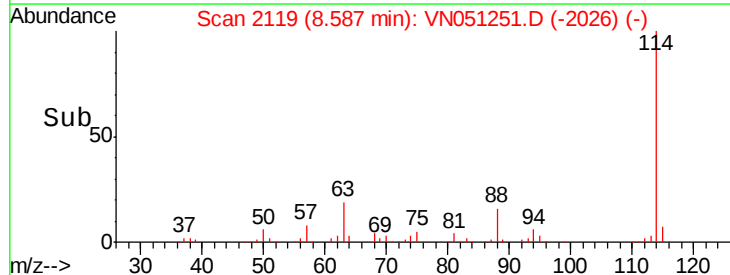
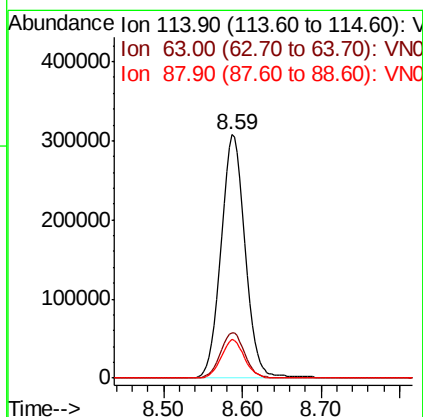
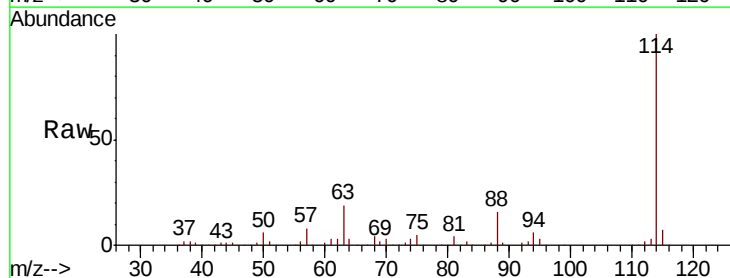
Instrument :
 MSVOA_N
 ClientSampleId :

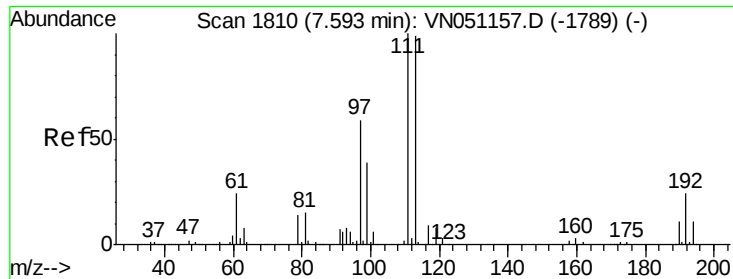
Tot Ion: 65 Resp: 227768
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051251.D
 Acq: 16 Sep 2018 3:46

Tgt Ion: 114 Resp: 651266
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 37.8
 88 15.7 0.0 30.8

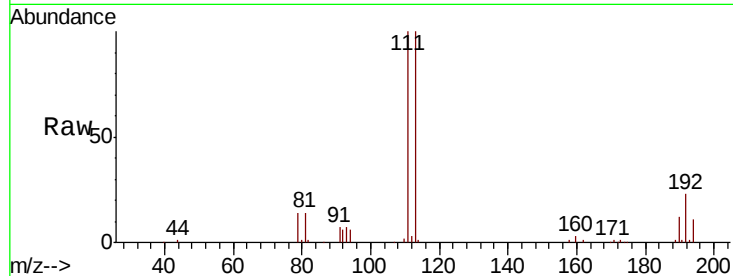




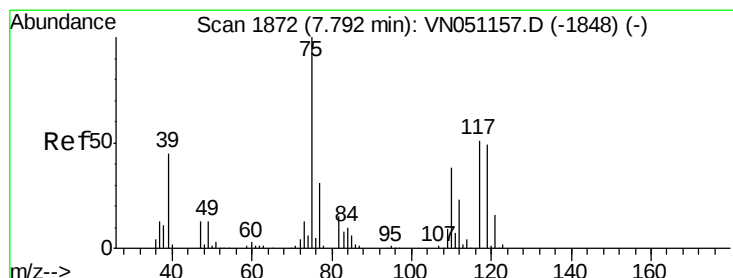
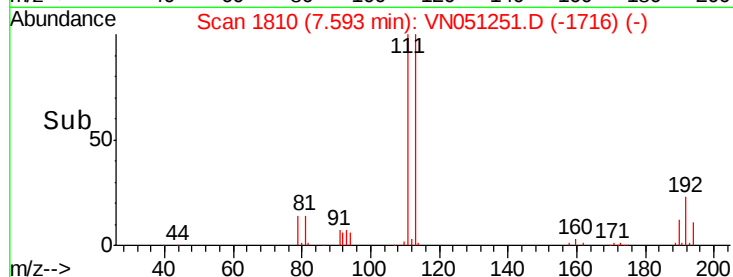
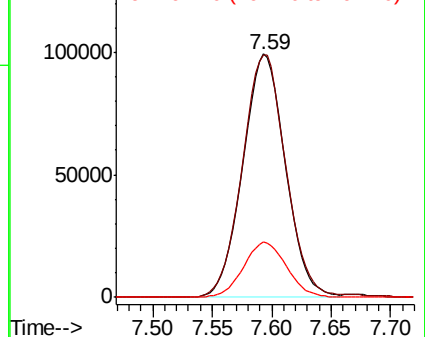
#35
 Dibromofluoromethane
 Concen: 50.37 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051251.D
 Acq: 16 Sep 2018 3:46

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	83.0	124.6
192	23.1	18.7	28.1

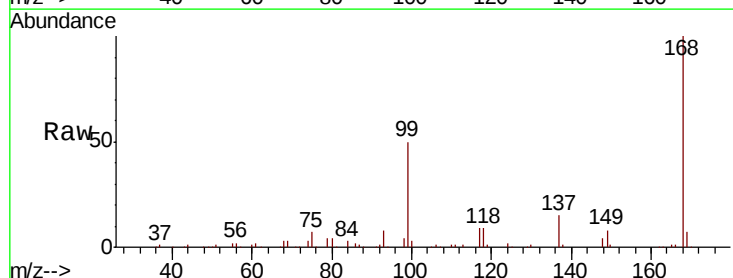


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

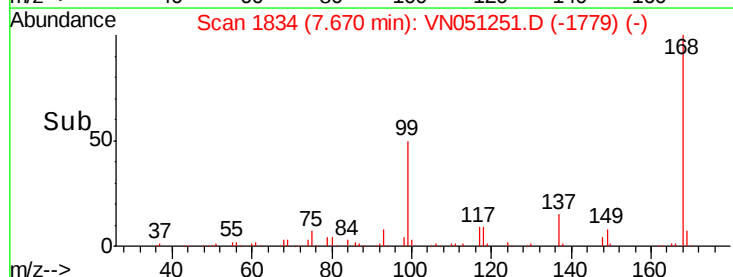
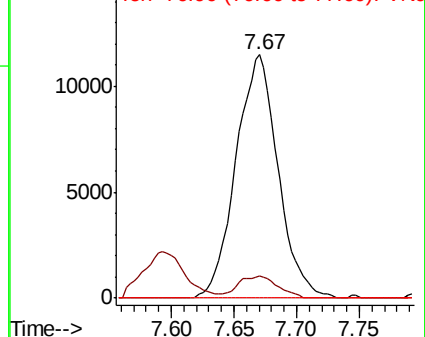


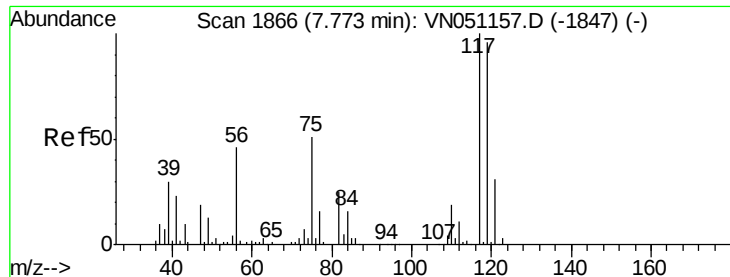
#36
 1,1-Dichloropropene
 Concen: 3.75 ug/l
 RT: 7.67 min Scan# 1834
 Delta R.T. -0.12 min
 Lab File: VN051251.D
 Acq: 16 Sep 2018 3:46

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	18.6	55.8#
77	0.0	25.2	37.8#



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

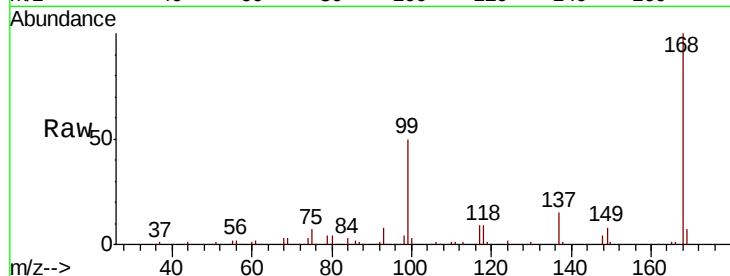




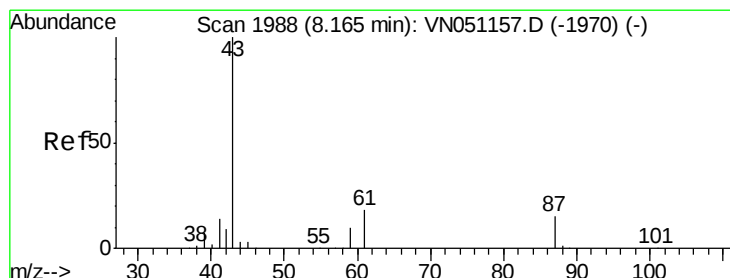
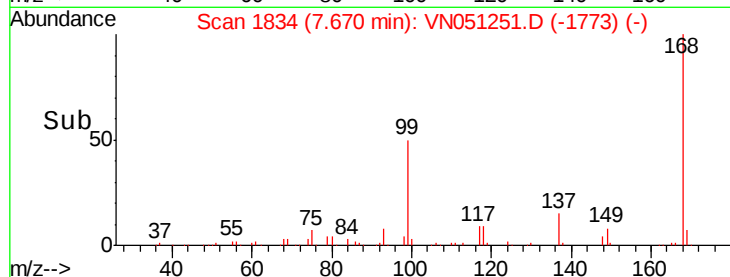
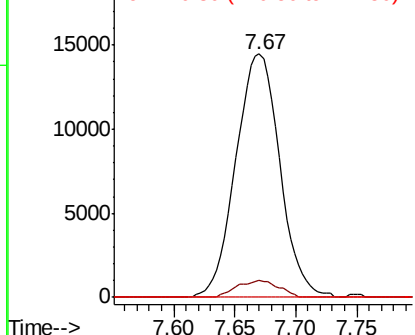
#38
Carbon Tetrachloride
Concen: 5.13 ug/l
RT: 7.67 min Scan# 1834
Delta R.T. -0.10 min
Lab File: VN051251.D
Acq: 16 Sep 2018 3:46

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 36092
Ion Ratio Lower Upper
117 100
119 6.8 76.8 115.2#
121 0.0 24.6 36.8#

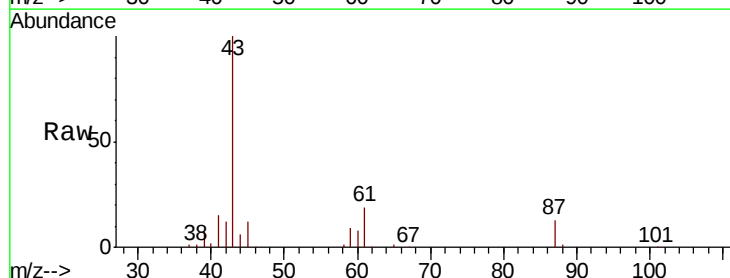


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

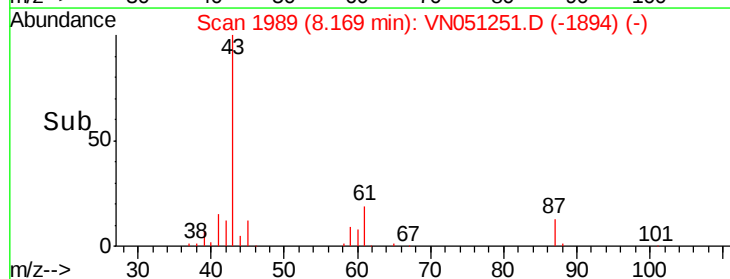
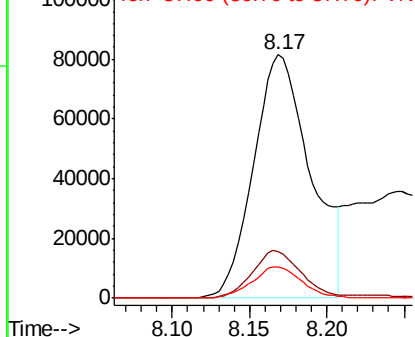


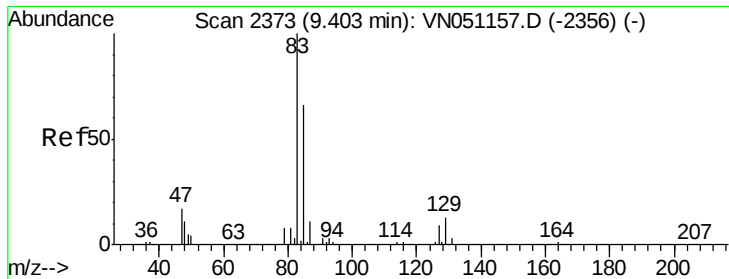
#43
Isopropyl Acetate
Concen: 28.68 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.01 min
Lab File: VN051251.D
Acq: 16 Sep 2018 3:46

Tgt Ion: 43 Resp: 209570
Ion Ratio Lower Upper
43 100
61 16.9 25.0 37.6#
87 11.2 11.8 17.8#



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





#47

Bromodichloromethane

Concen: 0.67 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051251.D

Acq: 16 Sep 2018 3:46

Instrument :
MSVOA_N
ClientSampleId :

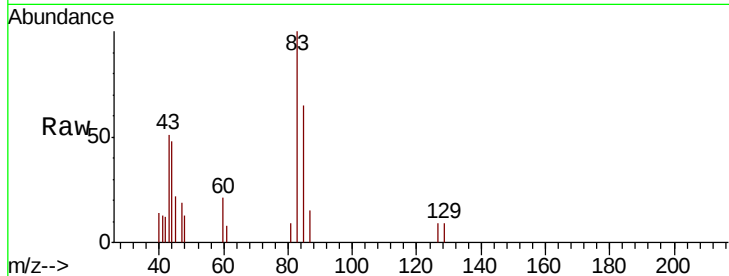
Tot Ion: 83 Resp: 4631

Ion Ratio Lower Upper

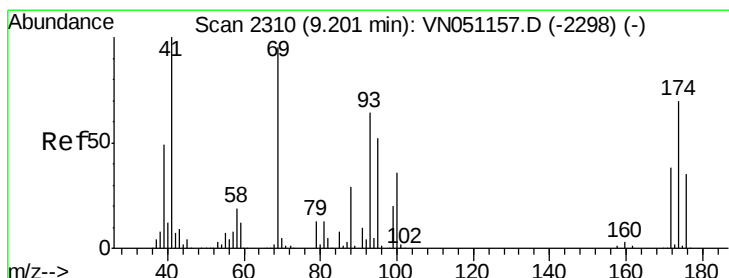
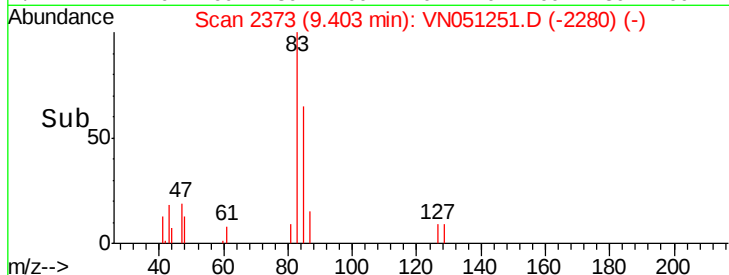
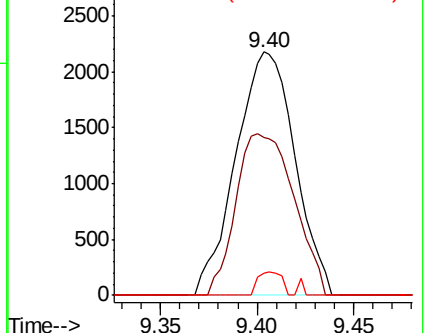
83 100

85 64.7 52.3 78.5

127 8.9 7.5 11.3



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO



#48

Methyl methacrylate

Concen: 1.35 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. -0.02 min

Lab File: VN051251.D

Acq: 16 Sep 2018 3:46

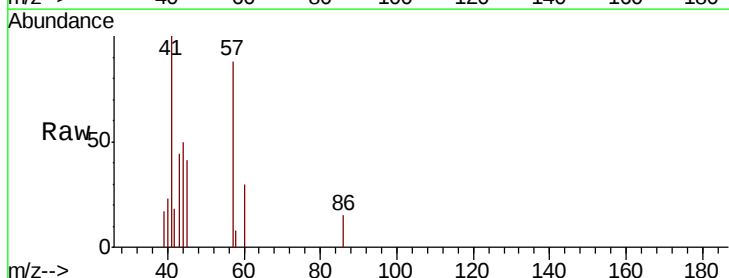
Tgt Ion: 41 Resp: 4804

Ion Ratio Lower Upper

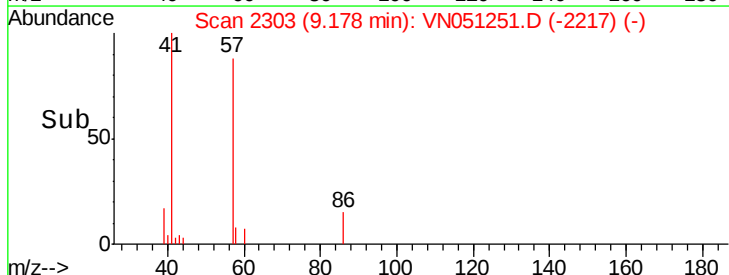
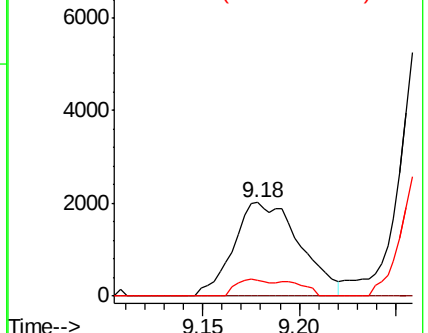
41 100

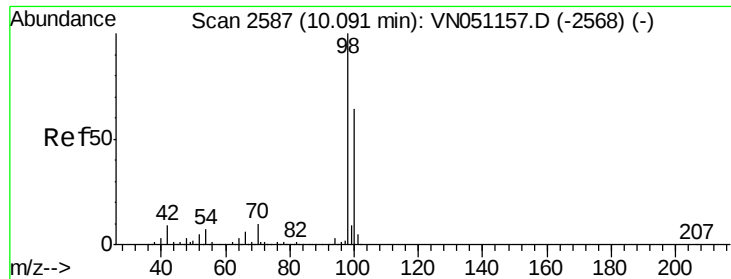
69 0.0 77.7 116.5#

39 8.6 41.6 62.4#



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





#50

Toluene-d8

Concen: 44.69 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051251.D

Acq: 16 Sep 2018 3:46

Instrument :

MSVOA_N

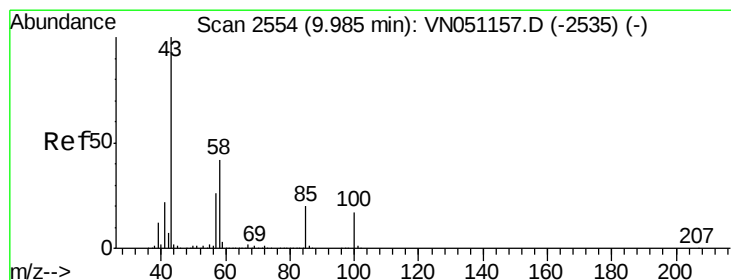
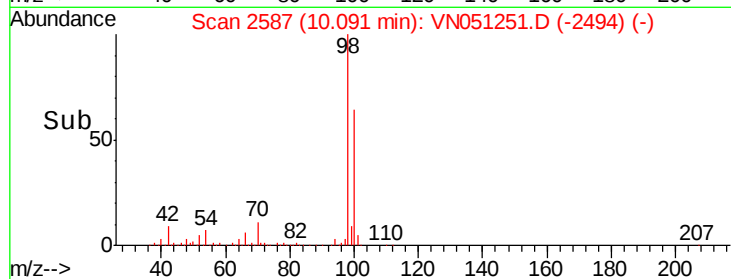
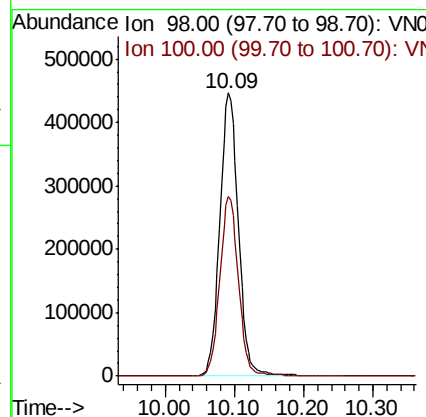
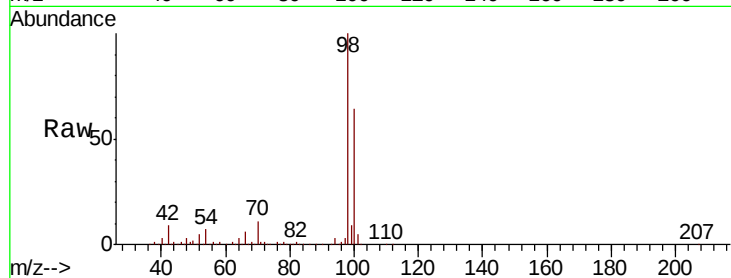
ClientSampled :

Tot Ion: 98 Resp: 829844

Ion Ratio Lower Upper

98 100

100 63.3 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 0.36 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN051251.D

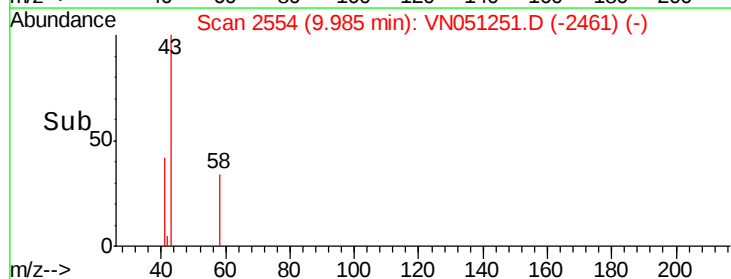
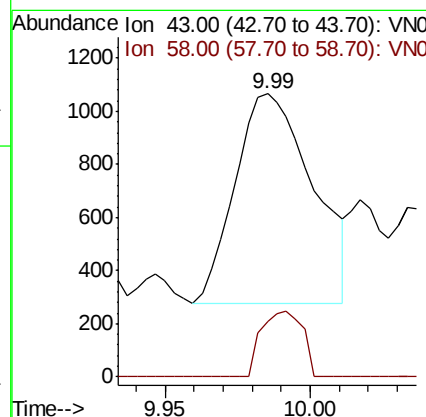
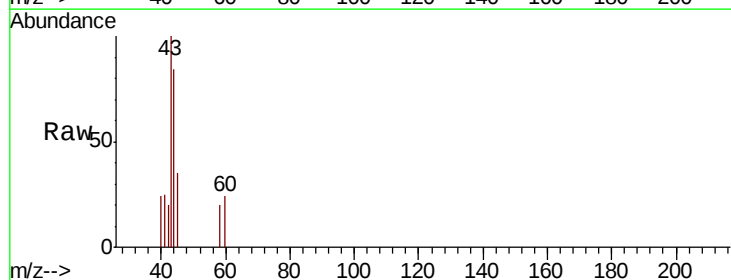
Acq: 16 Sep 2018 3:46

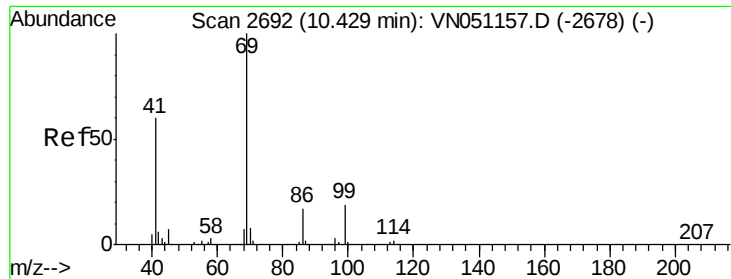
Tgt Ion: 43 Resp: 1461

Ion Ratio Lower Upper

43 100

58 16.7 33.5 50.3#





#56

Ethyl methacrylate

Concen: 2.46 ug/l

RT: 10.29 min Scan# 2648

Delta R.T. -0.14 min

Lab File: VN051251.D

Acq: 16 Sep 2018 3:46

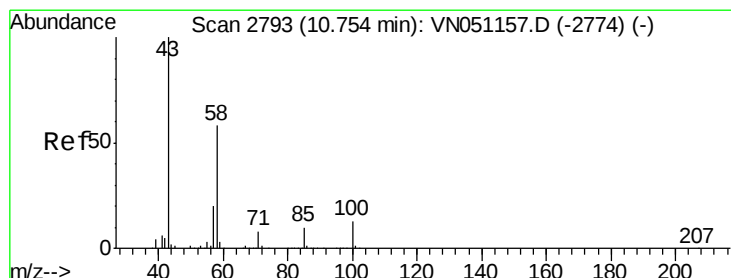
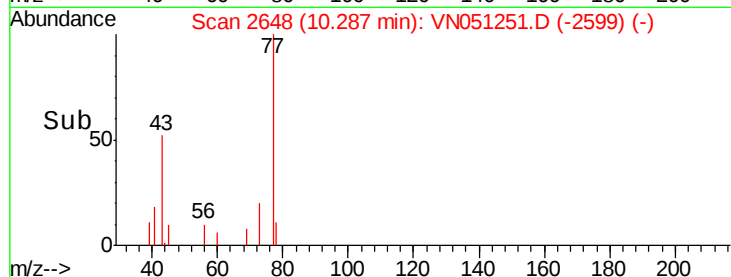
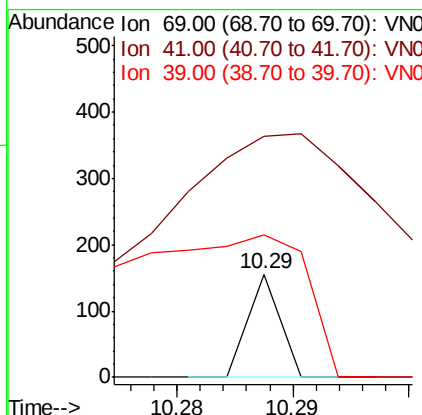
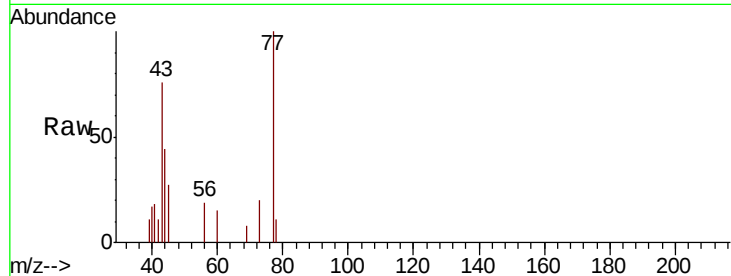
Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 69 Resp: 30

Ion	Ratio	Lower	Upper
69	100		
41	1513.3	47.8	71.8#
39	0.0	23.0	34.4#



#59

2-Hexanone

Concen: 4.29 ug/l

RT: 10.77 min Scan# 2797

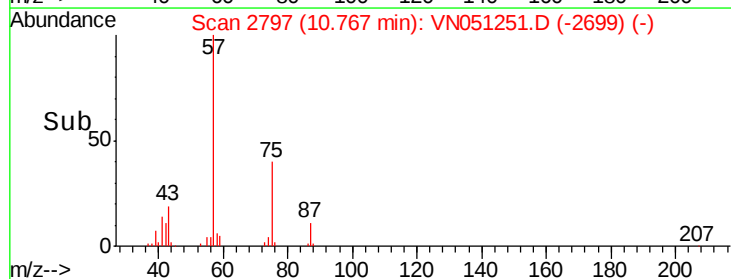
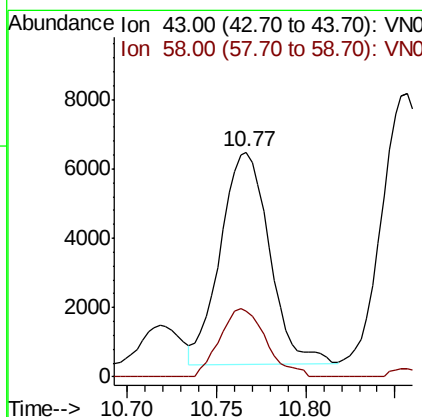
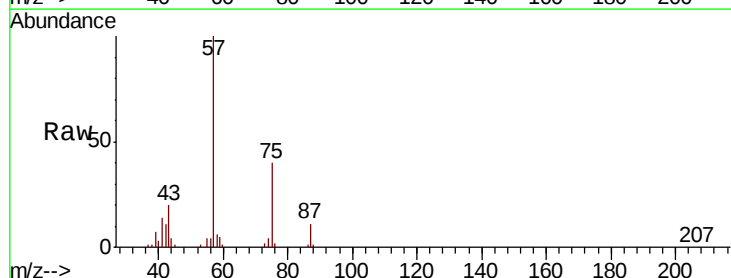
Delta R.T. 0.02 min

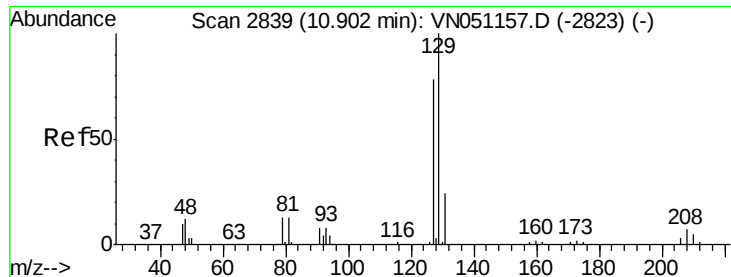
Lab File: VN051251.D

Acq: 16 Sep 2018 3:46

Tgt Ion: 43 Resp: 11759

Ion	Ratio	Lower	Upper
43	100		
58	30.2	29.3	88.0

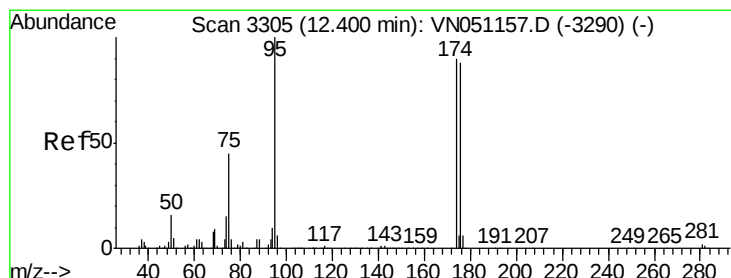
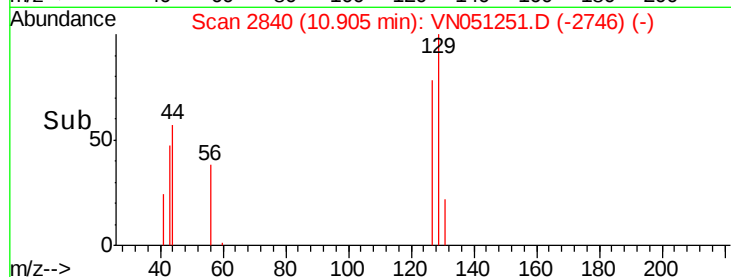
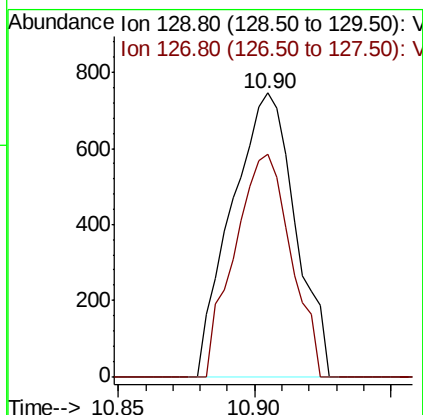
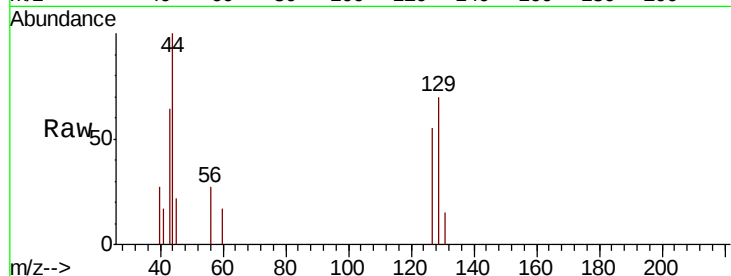




#60
 Dibromochloromethane
 Concen: 0.22 ug/l
 RT: 10.90 min Scan# 2840
 Delta R.T. 0.00 min
 Lab File: VN051251.D
 Acq: 16 Sep 2018 3:46

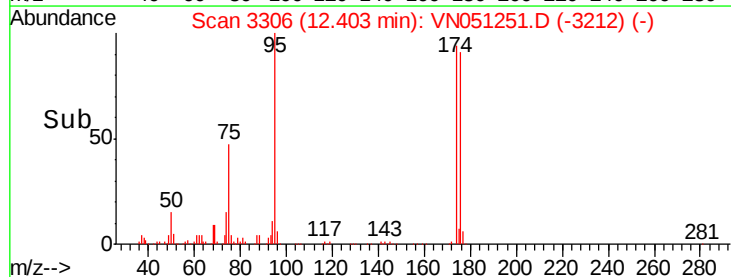
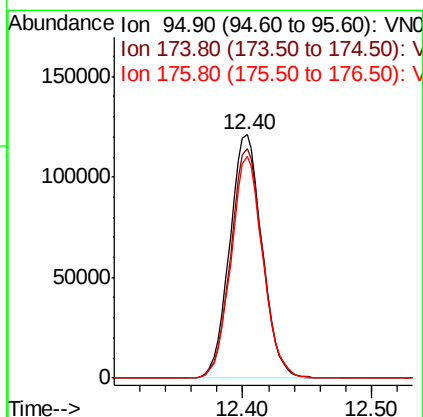
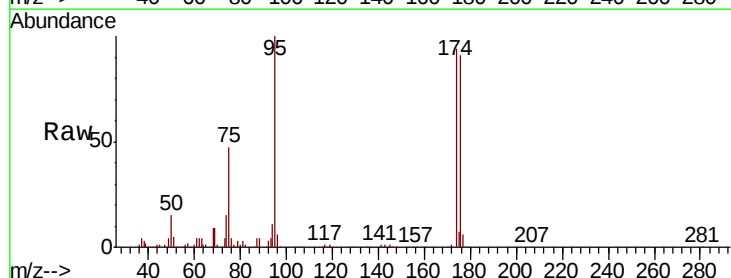
Instrument :
 MSVOA_N
 ClientSampleId :

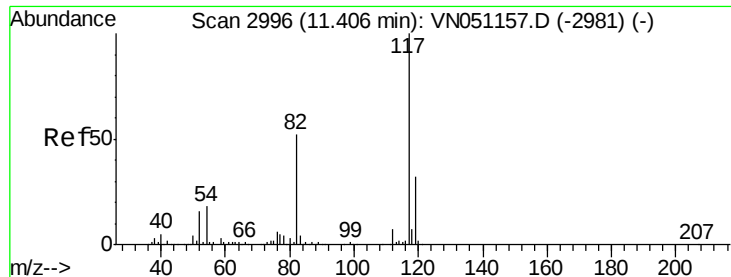
Tot Ion:129 Resp: 1203
 Ion Ratio Lower Upper
 129 100
 127 69.5 38.5 115.5



#62
 4-Bromofluorobenzene
 Concen: 34.24 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN051251.D
 Acq: 16 Sep 2018 3:46

Tgt Ion: 95 Resp: 210339
 Ion Ratio Lower Upper
 95 100
 174 93.9 0.0 184.8
 176 89.6 0.0 178.6

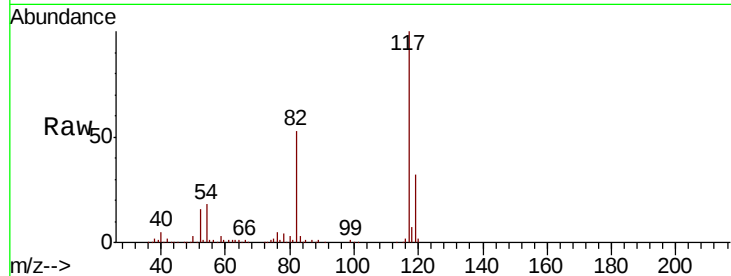




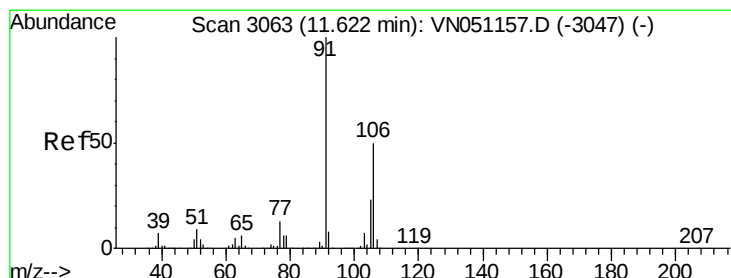
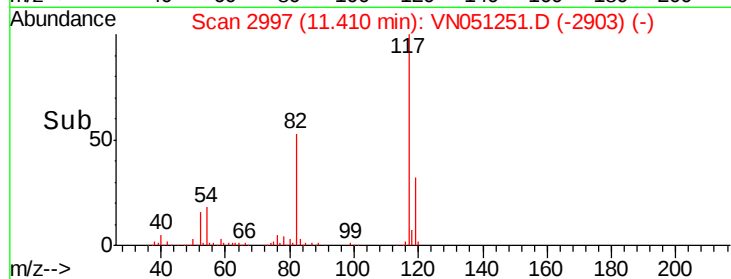
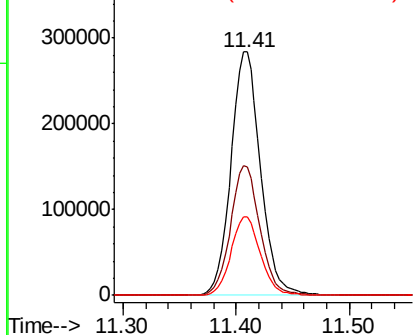
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051251.D
Acq: 16 Sep 2018 3:46

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 516064
Ion Ratio Lower Upper
117 100
82 52.6 41.8 62.6
119 32.2 26.2 39.2

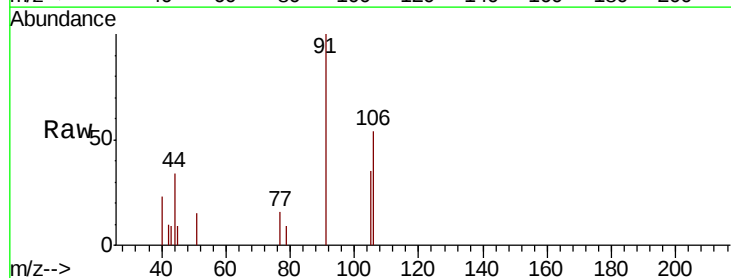


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

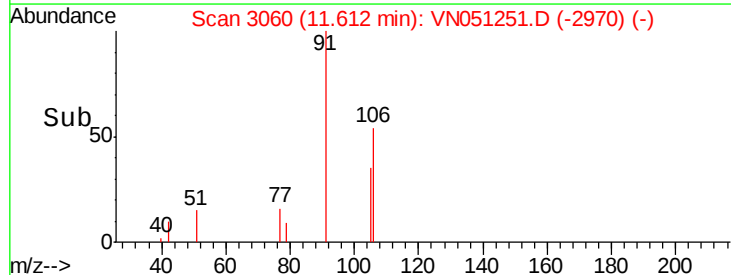
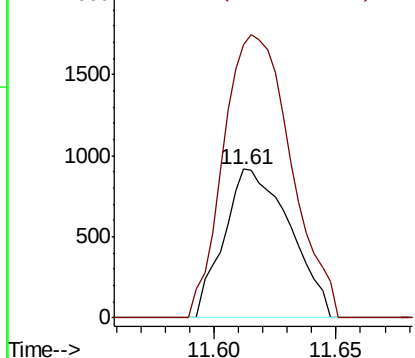


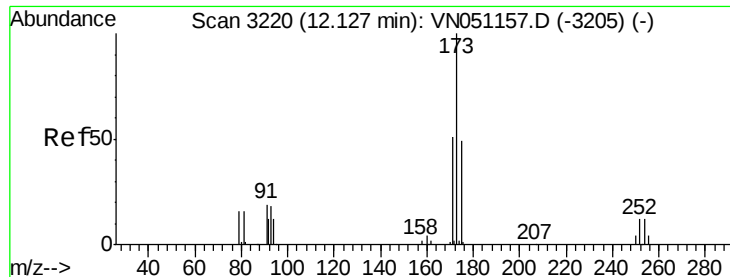
#68
m/p-Xylenes
Concen: 0.21 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.01 min
Lab File: VN051251.D
Acq: 16 Sep 2018 3:46

Tgt Ion:106 Resp: 1724
Ion Ratio Lower Upper
106 100
91 194.5 159.8 239.6



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

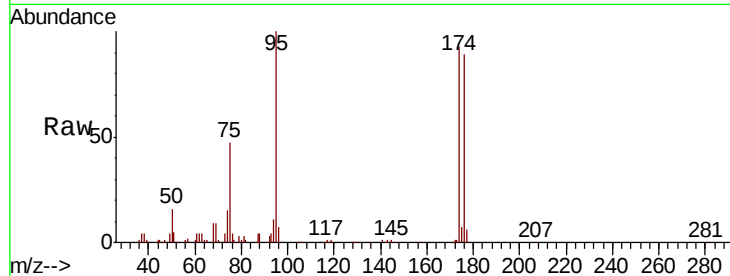




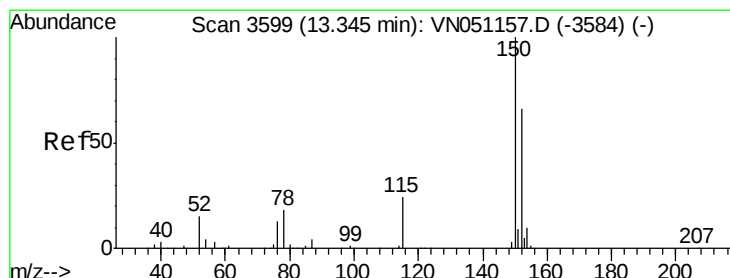
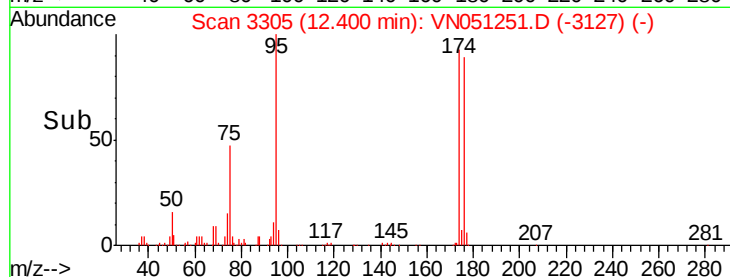
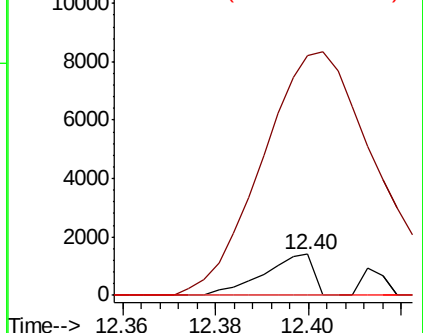
#71
Bromoform
Concen: 0.32 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN051251.D
Acq: 16 Sep 2018 3:46

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:173 Resp: 1041
Ion Ratio Lower Upper
173 100
175 1142.4 24.3 72.9#
254 0.0 0.0 0.0

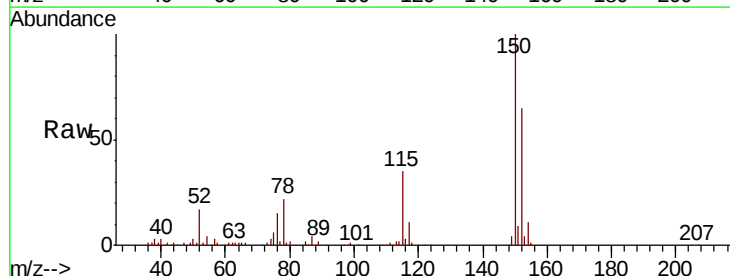


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

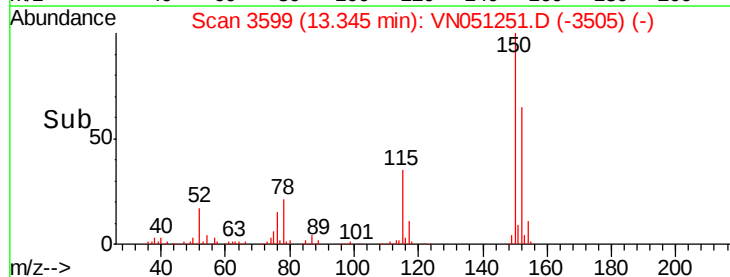
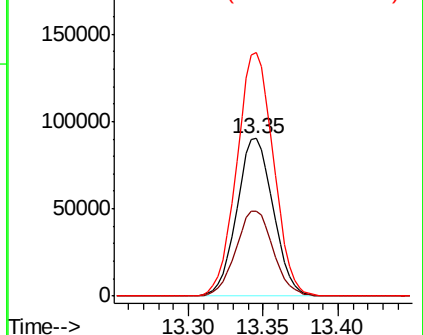


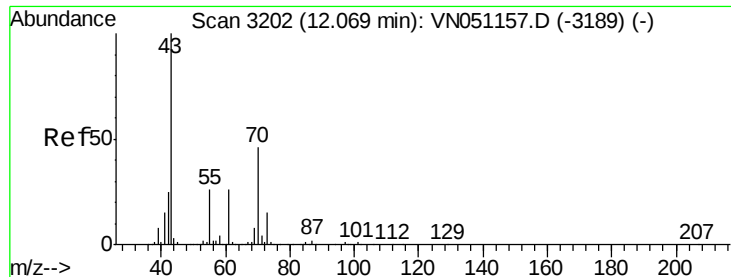
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN051251.D
Acq: 16 Sep 2018 3:46

Tgt Ion:152 Resp: 152877
Ion Ratio Lower Upper
152 100
115 55.4 28.2 84.7
150 155.5 0.0 349.0



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





#74

N-amvl acetate

Concen: 0.38 ug/l

RT: 12.03 min Scan# 3191

Delta R.T. -0.04 min

Lab File: VN051251.D

Acq: 16 Sep 2018 3:46

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 1217

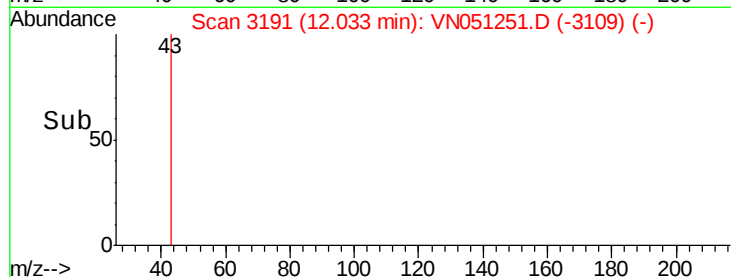
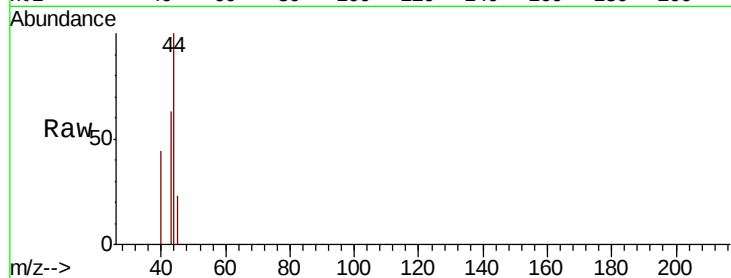
Ion Ratio Lower Upper

43 100

70 0.0 37.0 55.4#

55 0.0 21.3 31.9#

61 0.0 20.7 31.1#

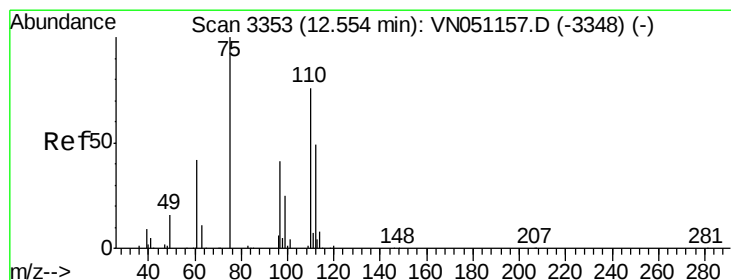
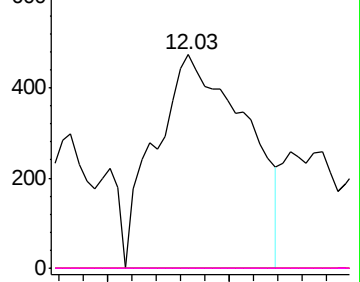


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 41.19 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051251.D

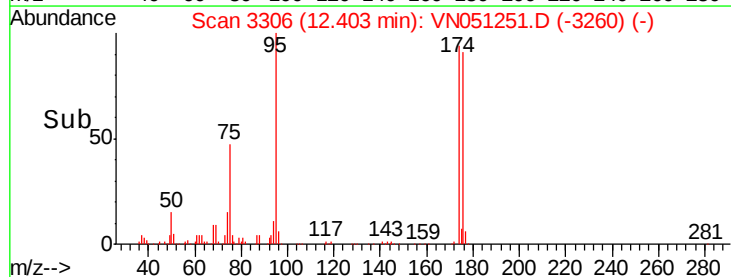
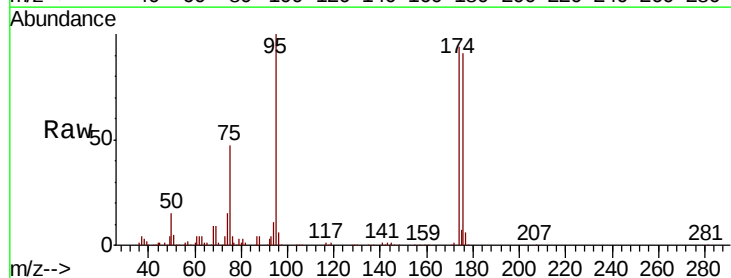
Acq: 16 Sep 2018 3:46

Tgt Ion: 75 Resp: 98243

Ion Ratio Lower Upper

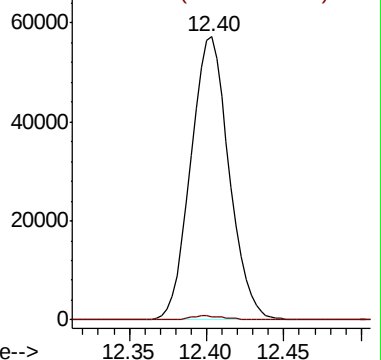
75 100

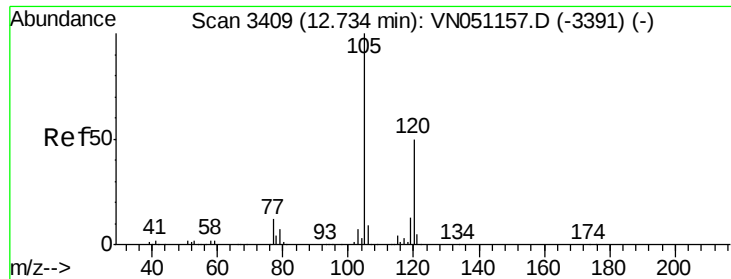
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#80

1,3,5-Trimethylbenzene

Concen: 0.40 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051251.D

Acq: 16 Sep 2018 3:46

Instrument :

MSVOA_N

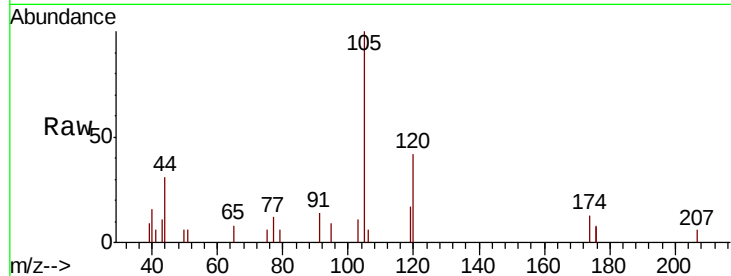
ClientSampleId :

Tot Ion:105 Resp: 4162

Ion Ratio Lower Upper

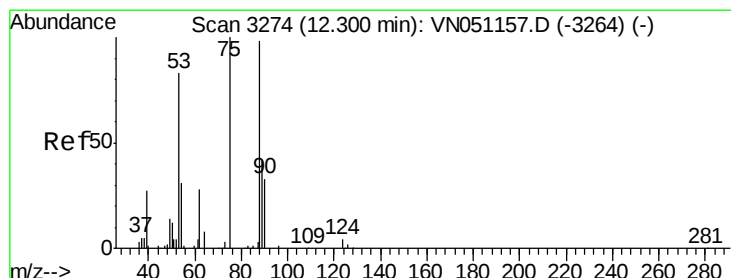
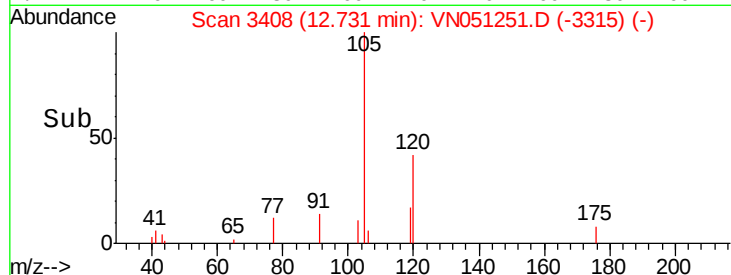
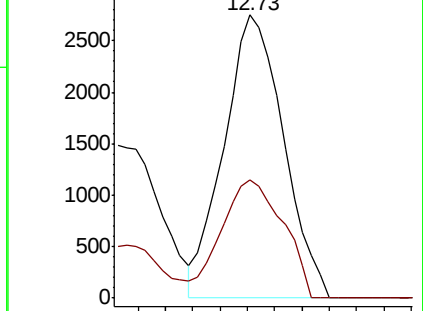
105 100

120 43.5 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 122.05 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051251.D

Acq: 16 Sep 2018 3:46

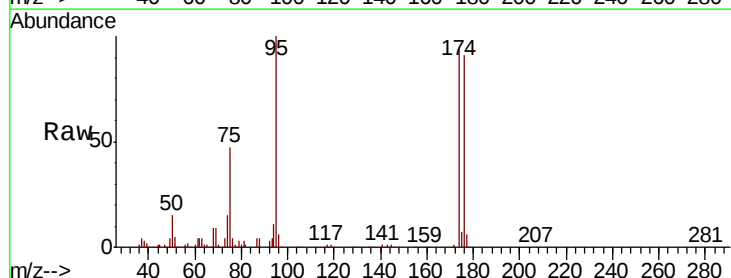
Tgt Ion: 75 Resp: 98243

Ion Ratio Lower Upper

75 100

53 0.1 67.8 101.8#

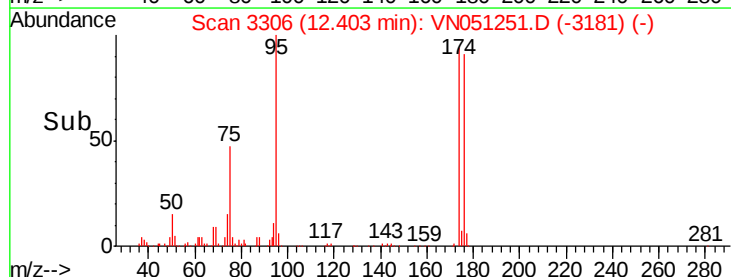
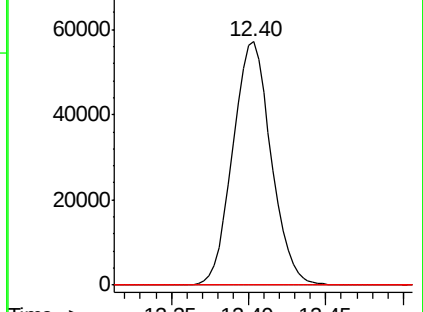
89 0.0 36.0 54.0#

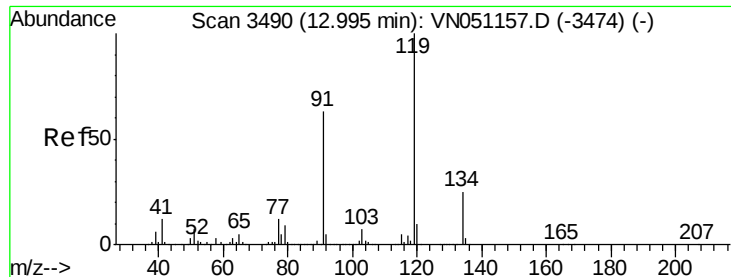


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

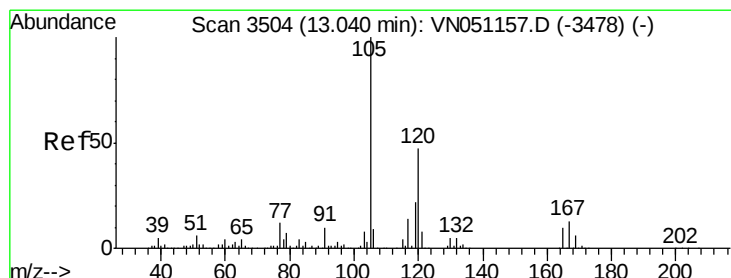
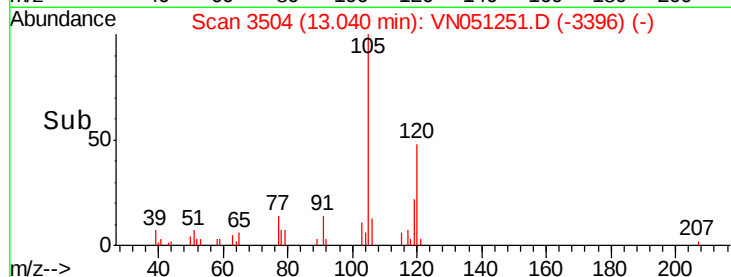
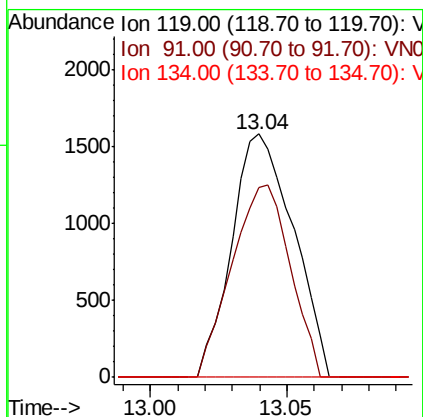
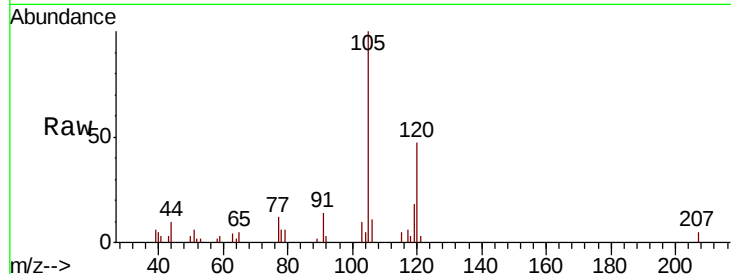




#83
tert-Butylbenzene
Concen: 0.27 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.05 min
Lab File: VN051251.D
Acq: 16 Sep 2018 3:46

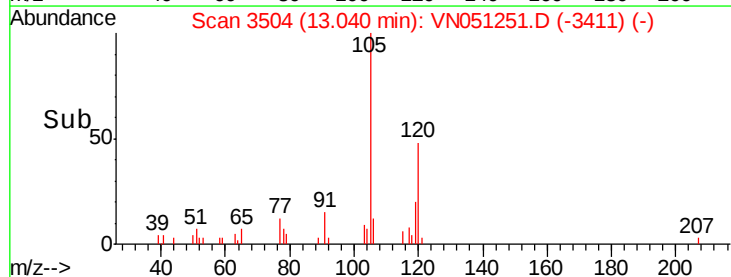
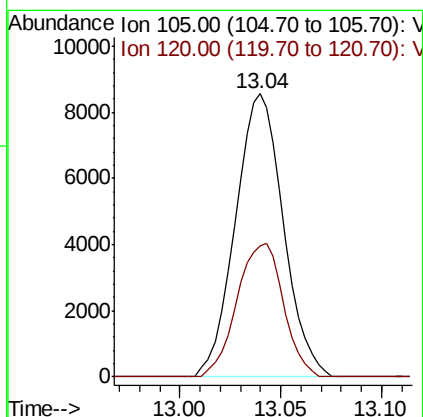
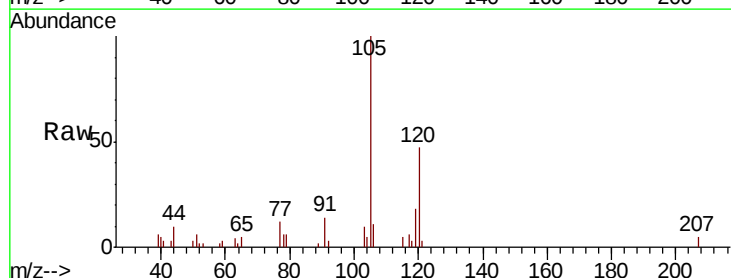
Instrument :
MSVOA_N
ClientSampled :

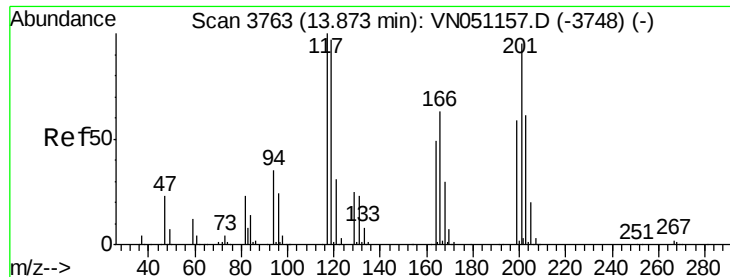
Tot Ion:119 Resp: 2482
Ion Ratio Lower Upper
119 100
91 74.8 30.8 92.3
134 0.0 13.2 39.6#



#84
1,2,4-Trimethylbenzene
Concen: 1.39 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN051251.D
Acq: 16 Sep 2018 3:46

Tgt Ion:105 Resp: 14210
Ion Ratio Lower Upper
105 100
120 45.6 23.3 69.8





#90

Hexachloroethane

Concen: Below Cal

RT: 13.89 min Scan# 3767

Delta R.T. 0.01 min

Lab File: VN051251.D

Acq: 16 Sep 2018 3:46

Instrument :

MSVOA_N

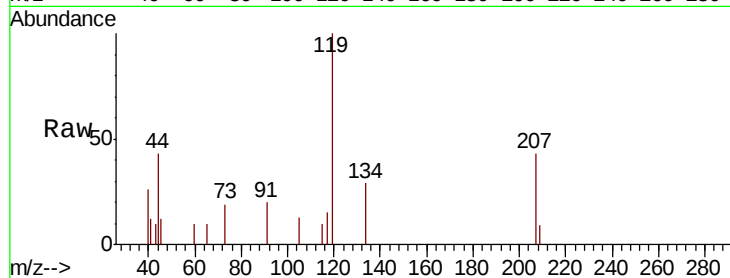
ClientSampled :

Tot Ion:117 Resp: 227

Ion Ratio Lower Upper

117 100

201 0.0 47.3 142.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

13.89

250

200

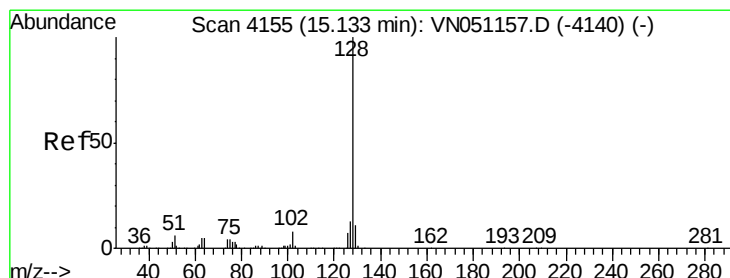
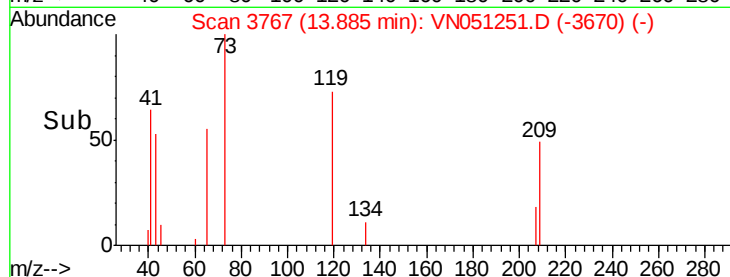
150

100

50

0

Time--> 13.86 13.88 13.90



#95

Naphthalene

Concen: 9.78 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051251.D

Acq: 16 Sep 2018 3:46

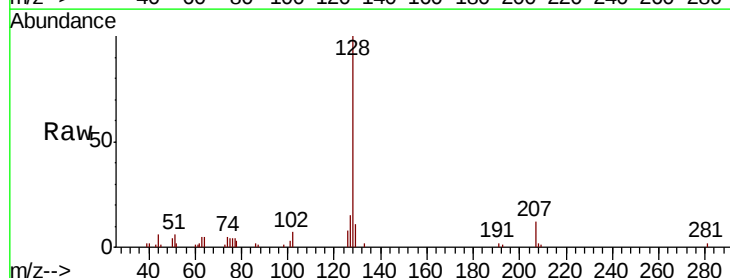
Tgt Ion:128 Resp: 28589

Ion Ratio Lower Upper

128 100

127 14.5 10.6 15.8

129 11.4 8.6 12.8



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

20000

15000

10000

5000

0

Time--> 15.05 15.10 15.15 15.20

