

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN103019\
 Data File : VN059020.D
 Acq On : 30 Oct 2019 11:16
 Operator : JC/SP
 Sample : K5148-17
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 31 01:25:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	374819	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	579937	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	532152	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	197979	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	253244	46.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.14%	
35) Dibromofluoromethane	7.57	113	190923	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
50) Toluene-d8	10.08	98	740086	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
62) 4-Bromofluorobenzene	12.40	95	237974	43.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.56%	

Target Compounds

					Qvalue	
8) Diethyl Ether	3.39	74	755	0.307	ug/l	87
11) Tert butyl alcohol	4.75	59	195	0.214	ug/l #	72
14) Allyl chloride	4.53	41	11184	1.496	ug/l #	24
16) Acetone	3.80	43	14737	5.425	ug/l	95
17) Carbon Disulfide	4.03	76	2934	0.246	ug/l #	75
18) Methyl Acetate	4.31	43	6305	1.021	ug/l	95
20) Methylene Chloride	4.53	84	286067	61.674	ug/l	96
25) 2-Butanone	6.82	43	3511	0.996	ug/l #	77
29) Tetrahydrofuran	7.20	42	763	0.354	ug/l #	74
30) Chloroform	7.34	83	1867	0.219	ug/l	91
31) Cyclohexane	7.65	56	8672	1.098	ug/l #	1
36) 1,1-Dichloropropene	7.65	75	30421	5.124	ug/l #	50
38) Carbon Tetrachloride	7.65	117	37233	6.087	ug/l #	17
43) Isopropyl Acetate	8.15	43	100078	9.646	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	2247	0.470	ug/l #	44
48) Methyl methacrylate	9.17	41	6499	1.381	ug/l #	14
49) 1,4-Dioxane	9.26	88	30	0.388	ug/l #	1
51) 4-Methyl-2-Pentanone	9.98	43	7642	1.261	ug/l	93
54) cis-1,3-Dichloropropene	9.90	75	38834	5.271	ug/l #	63
56) Ethyl methacrylate	10.54	69	1763	2.334	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	7180	0.960	ug/l #	43
59) 2-Hexanone	10.76	43	114180	24.382	ug/l #	54
68) m/p-Xylenes	11.62	106	1629	0.231	ug/l	97
70) Styrene	11.98	104	917	1.785	ug/l #	76
74) N-amyl acetate	12.03	43	3025	0.461	ug/l #	50
76) 1,2,3-Trichloropropane	12.40	75	122444	26.686	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.74	105	5512	0.453	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.40	75	122444	69.518	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.04	105	3886	0.324	ug/l	95
87) 1,3-Dichlorobenzene	13.29	146	1291	0.202	ug/l	76
88) 1,4-Dichlorobenzene	13.29	146	1291	0.202	ug/l	77
91) 1,2-Dichlorobenzene	13.67	146	1267	0.202	ug/l	88
92) 1,2-Dibromo-3-Chloropropan	14.27	75	310	0.269	ug/l #	63
93) 1,2,4-Trichlorobenzene	14.92	180	2148	3.038	ug/l	96

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Quant Title : SW846 8260
QLast Update : Sat Oct 19 00:16:20 2019
Response via : Initial Calibration

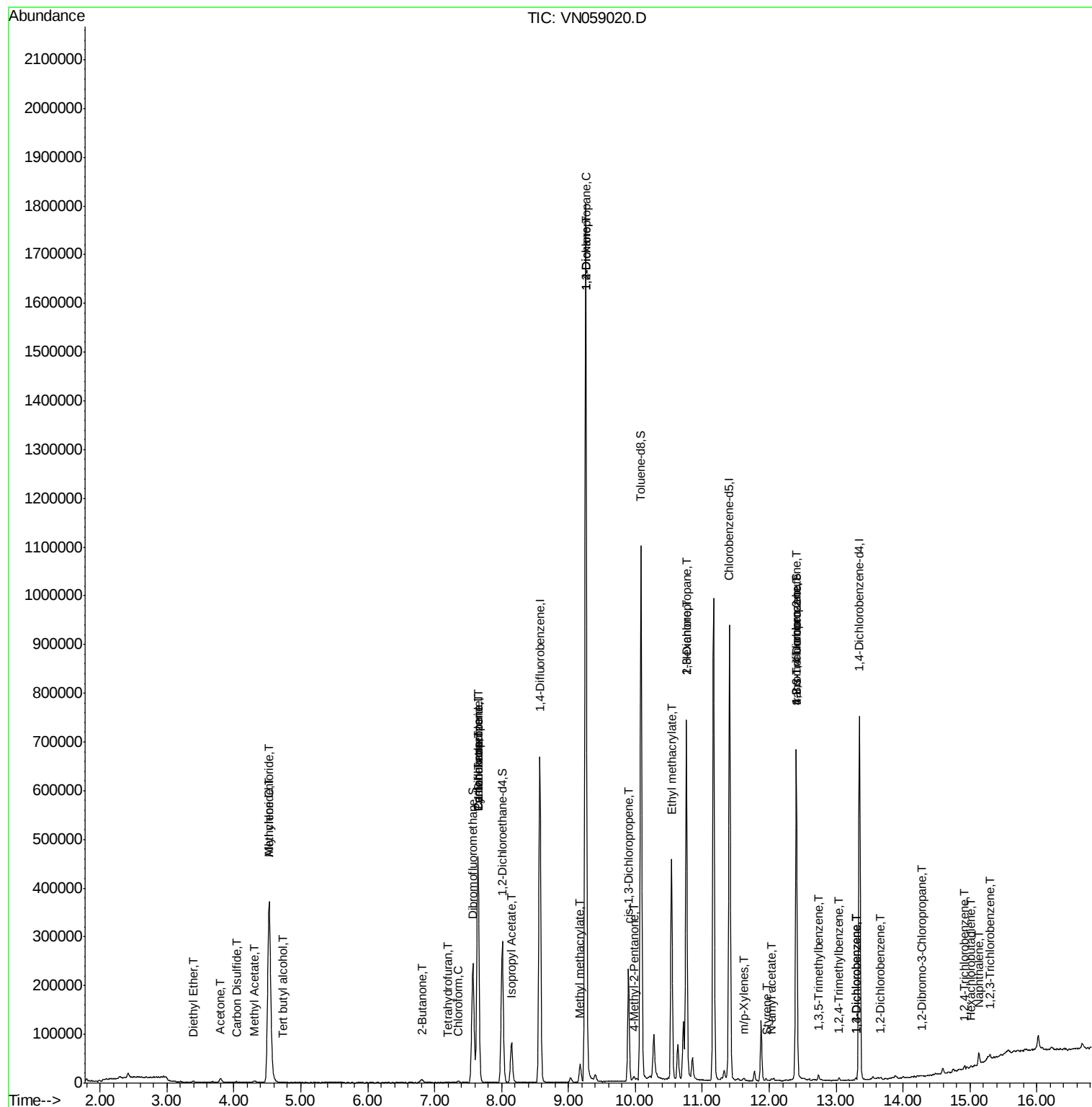
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	614	0.302	ug/l	78
95) Naphthalene	15.13	128	17941	3.737	ug/l	98
96) 1,2,3-Trichlorobenzene	15.30	180	3046	3.149	ug/l	92

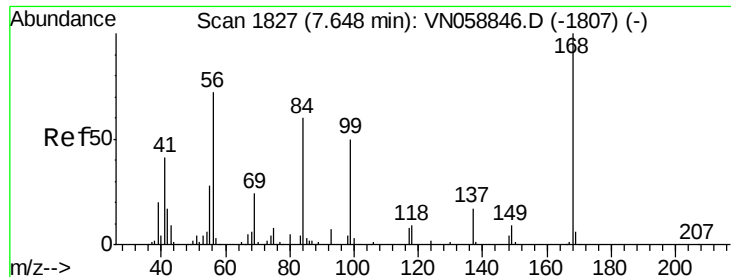
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059020.D

Acq: 30 Oct 2019 11:16

Instrument :

MSVOA_N

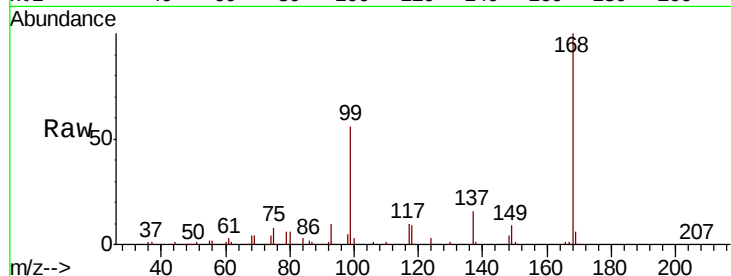
ClientSampled :

Tot Ion:168 Resp: 374819

Ion Ratio Lower Upper

168 100

99 56.4 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): VN058846.D (-1807) (-)

Ion 98.90 (98.60 to 99.60): VN058846.D (-1807) (-)

7.65

150000

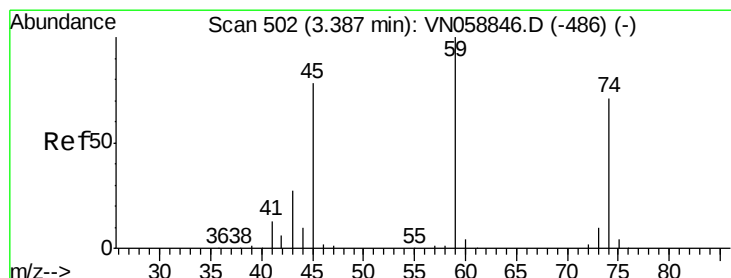
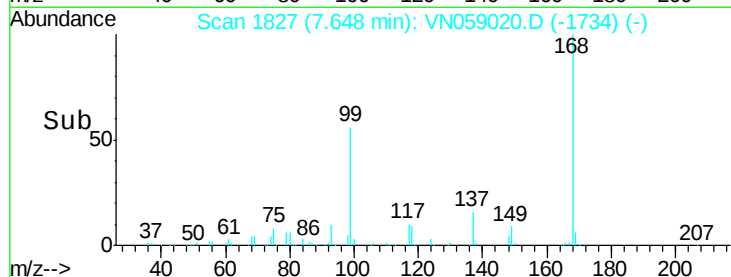
100000

50000

0

7.60 7.70 7.80

Time-->



#8

Diethyl Ether

Concen: 0.307 ug/l

RT: 3.39 min Scan# 503

Delta R.T. 0.00 min

Lab File: VN059020.D

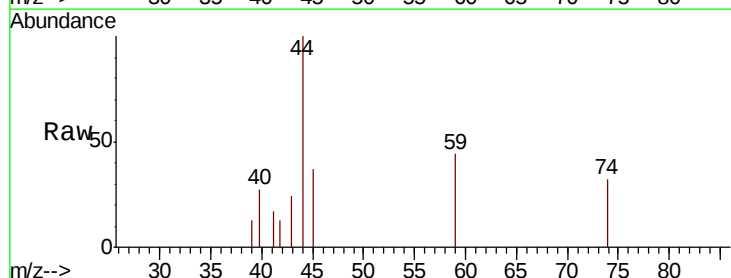
Acq: 30 Oct 2019 11:16

Tgt Ion: 74 Resp: 755

Ion Ratio Lower Upper

74 100

45 123.4 54.9 164.5



Abundance Ion 74.00 (73.70 to 74.70): VN058846.D (-486) (-)

Ion 45.00 (44.70 to 45.70): VN058846.D (-486) (-)

3.39

500

400

300

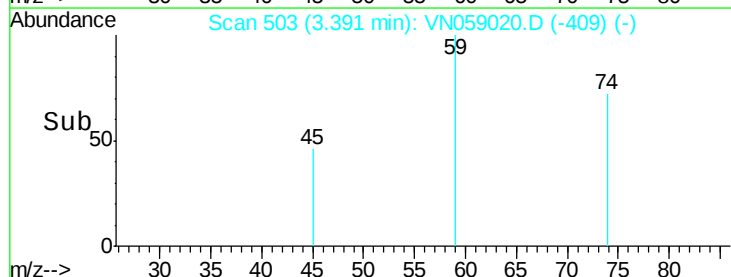
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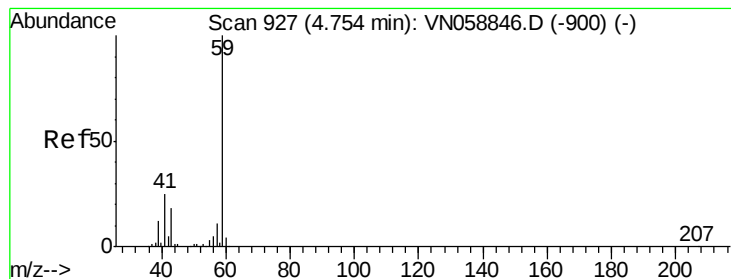
100

0

3.35 3.40

Time-->



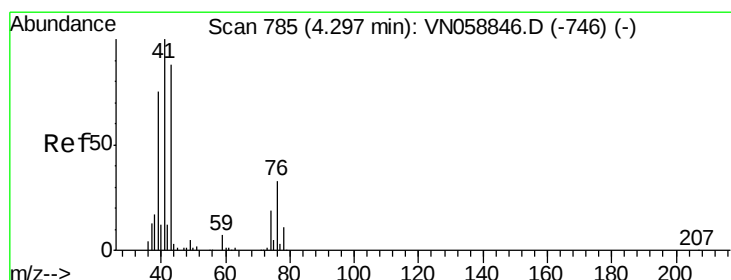
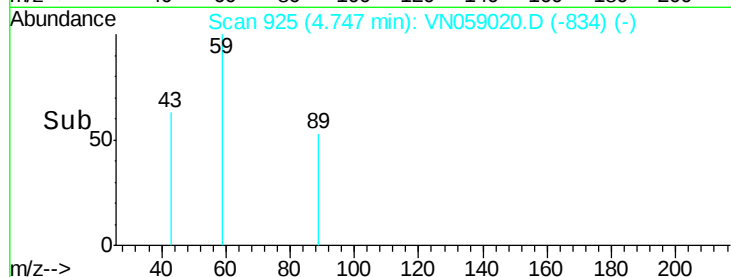
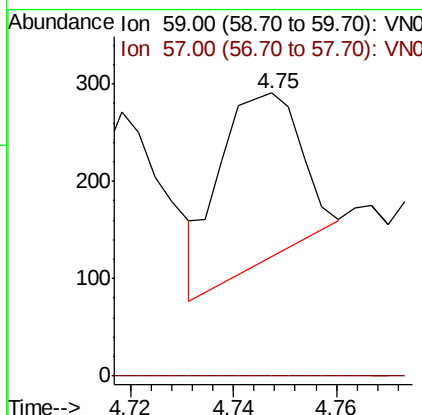
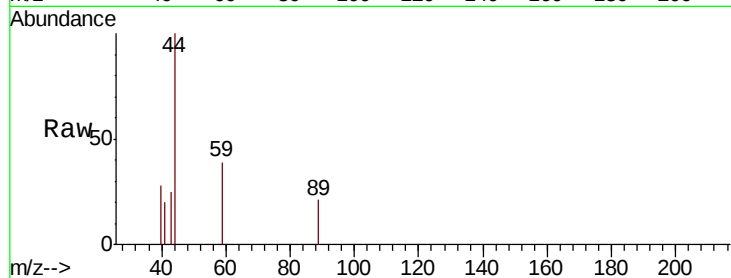


#11

Tert butyl alcohol
Concen: 0.214 ug/l
RT: 4.75 min Scan# 925
Delta R.T. -0.01 min
Lab File: VN059020.D
Acq: 30 Oct 2019 11:16

Instrument :
MSVOA_N
ClientSampled :

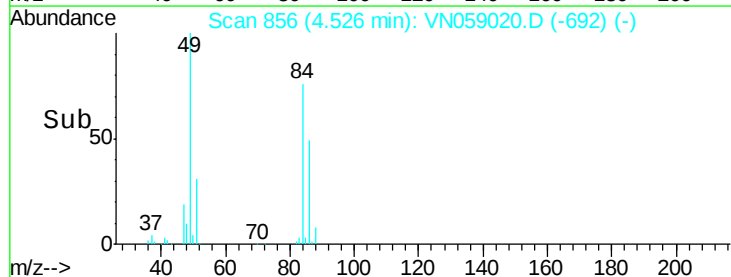
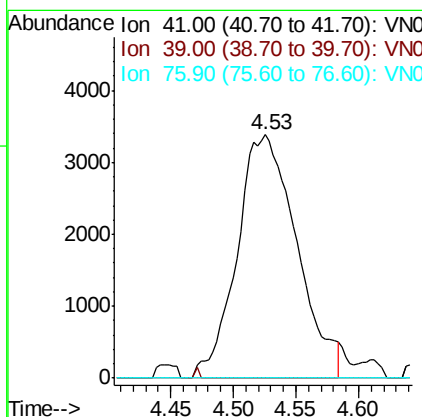
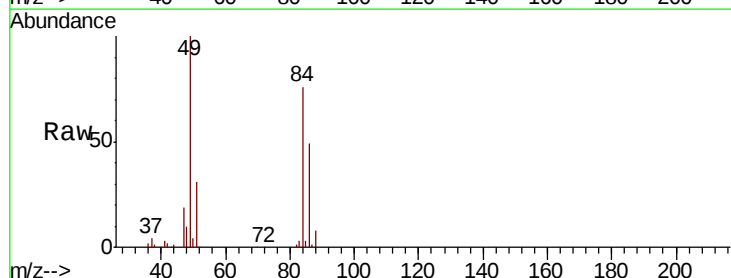
Tot Ion: 59 Resp: 195
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

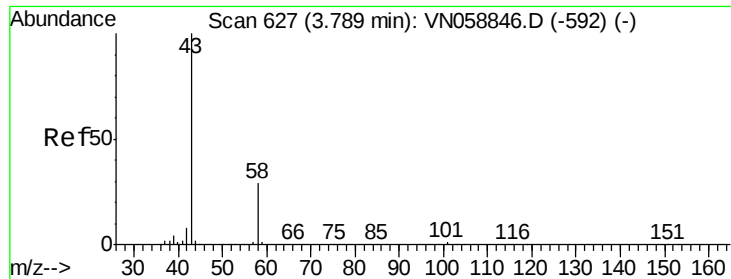


#14

Allyl chloride
Concen: 1.496 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.23 min
Lab File: VN059020.D
Acq: 30 Oct 2019 11:16

Tgt Ion: 41 Resp: 11184
Ion Ratio Lower Upper
41 100
39 0.0 55.9 83.9#
76 0.0 24.1 36.1#

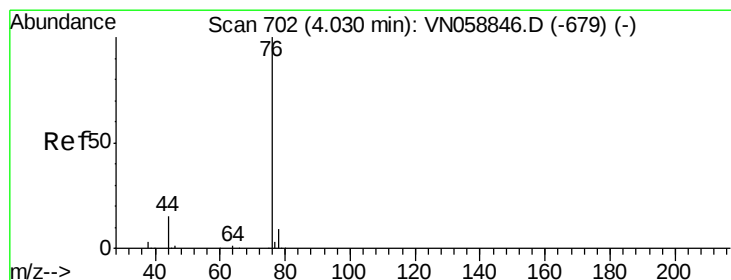
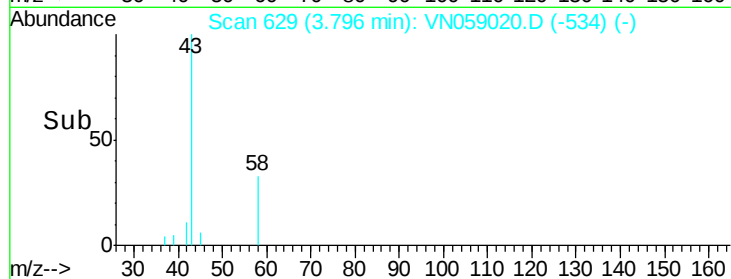
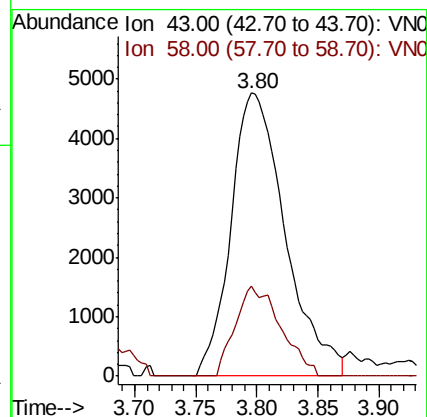
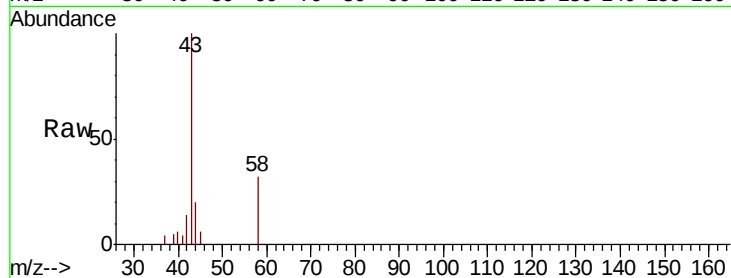




#16
Acetone
Concen: 5.425 ug/l
RT: 3.80 min Scan# 629
Delta R.T. 0.01 min
Lab File: VN059020.D
Acq: 30 Oct 2019 11:16

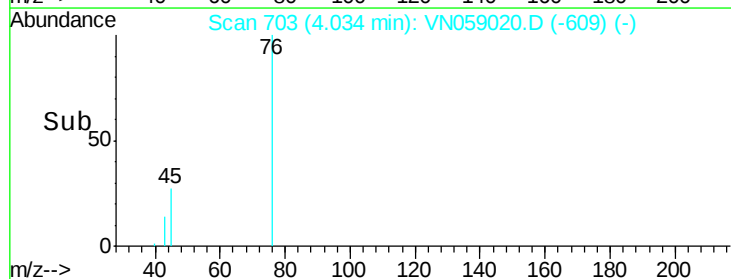
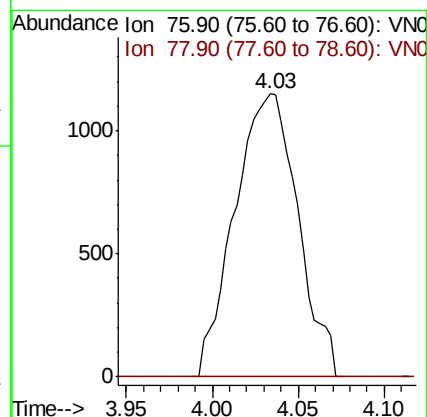
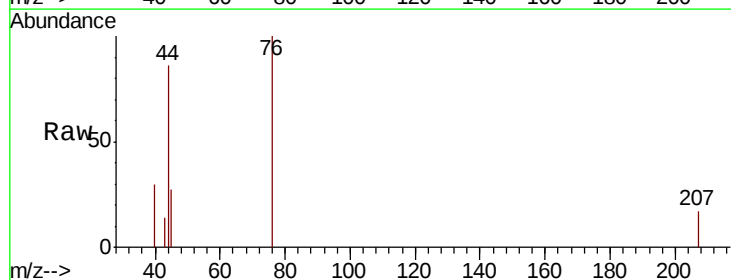
Instrument :
MSVOA_N
ClientSampleId :

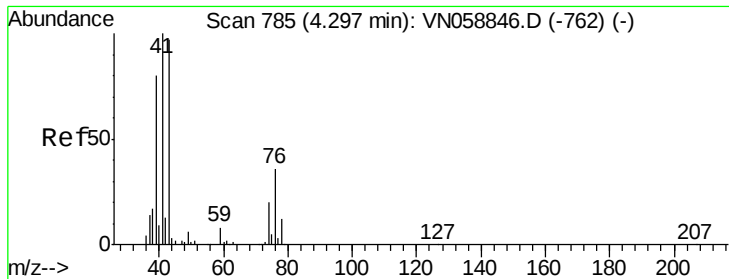
Tot Ion: 43 Resp: 14737
Ion Ratio Lower Upper
43 100
58 31.7 23.1 34.7



#17
Carbon Disulfide
Concen: 0.246 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.00 min
Lab File: VN059020.D
Acq: 30 Oct 2019 11:16

Tgt Ion: 76 Resp: 2934
Ion Ratio Lower Upper
76 100
78 0.0 7.1 10.7#

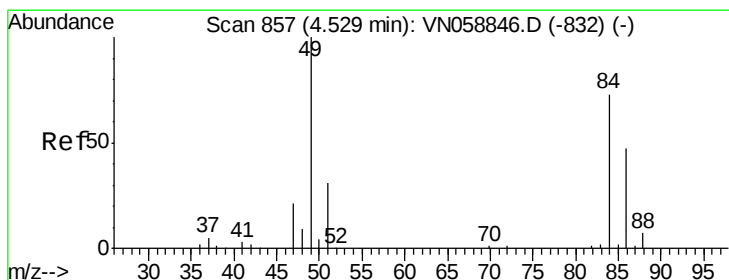
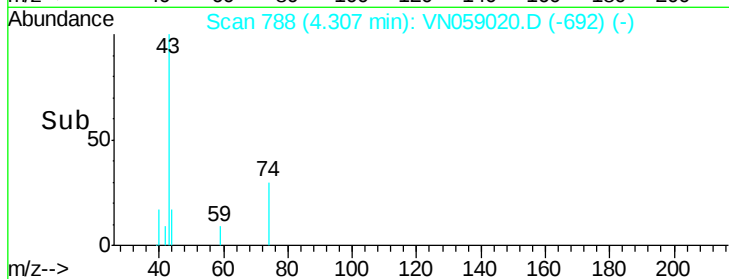
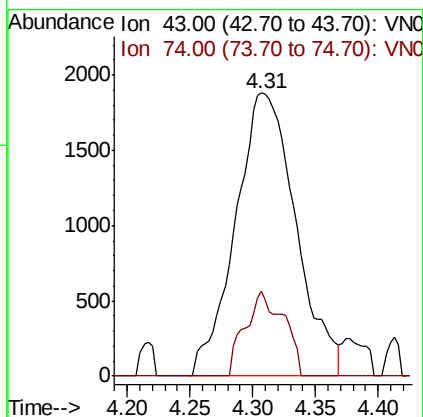
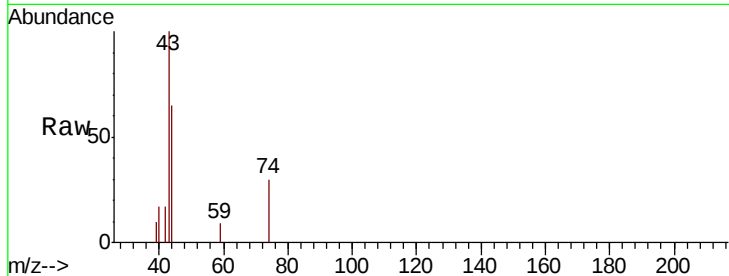




#18
Methyl Acetate
Concen: 1.021 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.01 min
Lab File: VN059020.D
Acq: 30 Oct 2019 11:16

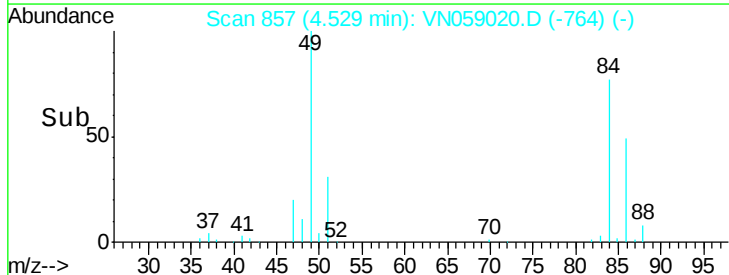
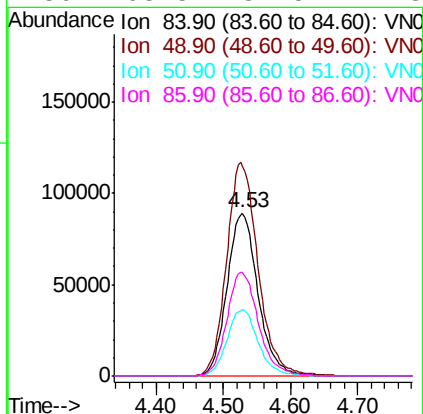
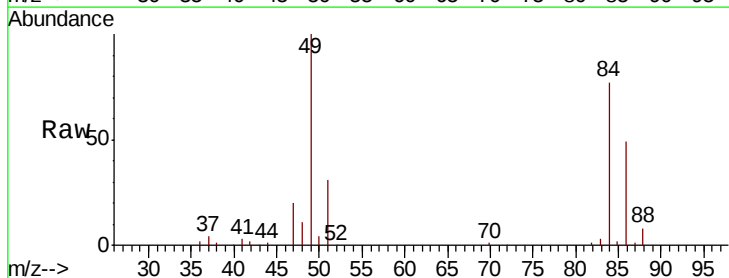
Instrument :
MSVOA_N
ClientSampleId :

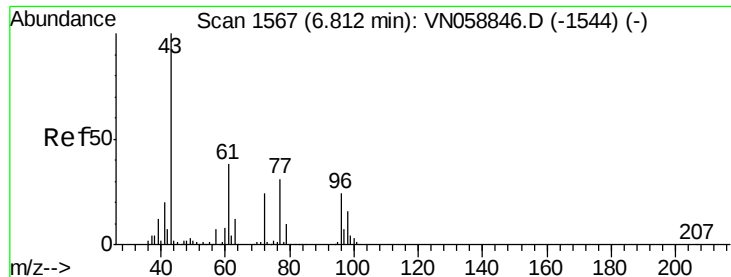
Tot Ion: 43 Resp: 6305
Ion Ratio Lower Upper
43 100
74 19.2 17.1 25.7



#20
Methylene Chloride
Concen: 61.674 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN059020.D
Acq: 30 Oct 2019 11:16

Tgt Ion: 84 Resp: 286067
Ion Ratio Lower Upper
84 100
49 129.5 109.6 164.4
51 40.7 33.8 50.6
86 63.5 51.5 77.3





#25

2-Butanone

Concen: 0.996 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.01 min

Lab File: VN059020.D

Acq: 30 Oct 2019 11:16

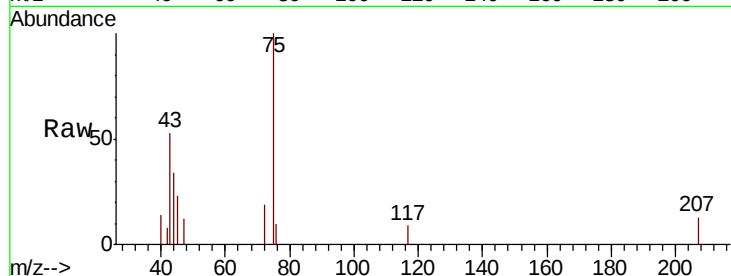
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 3511

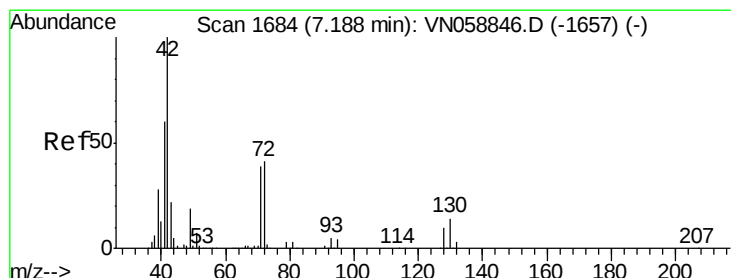
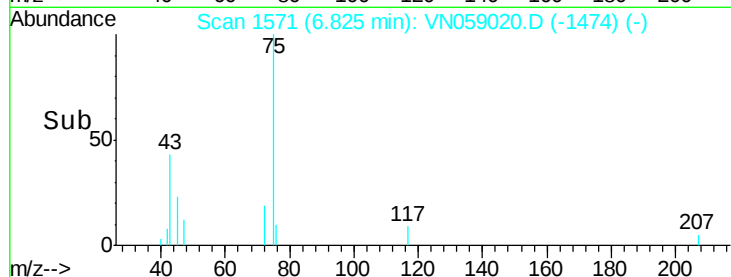
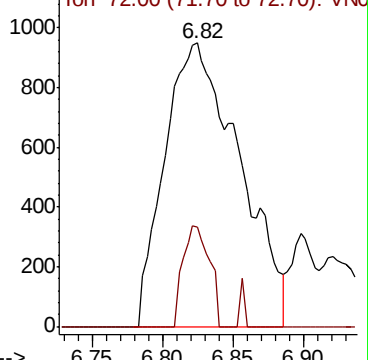
Ion Ratio Lower Upper

43 100

72 35.2 19.1 28.7#



Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-1544) (-)



#29

Tetrahydrofuran

Concen: 0.354 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.01 min

Lab File: VN059020.D

Acq: 30 Oct 2019 11:16

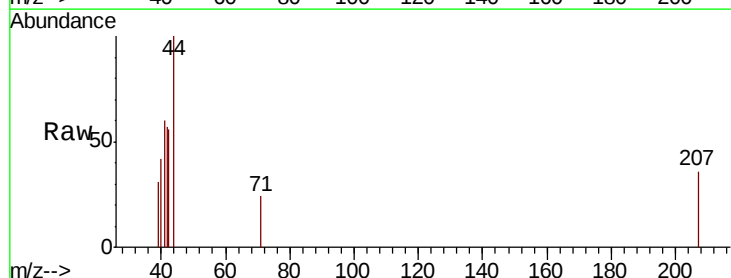
Tgt Ion: 42 Resp: 763

Ion Ratio Lower Upper

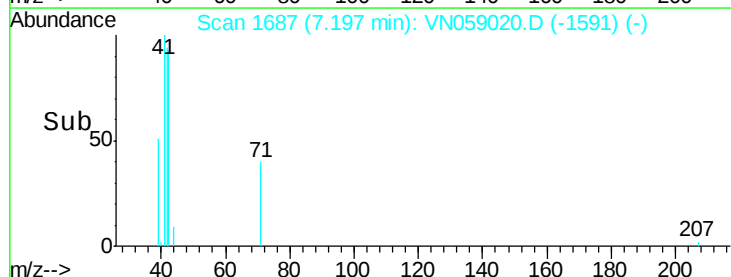
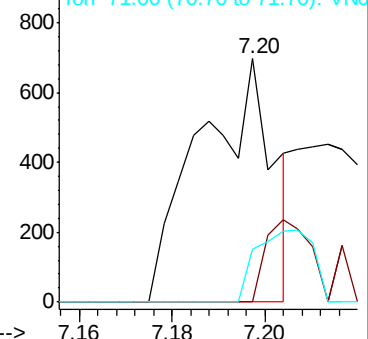
42 100

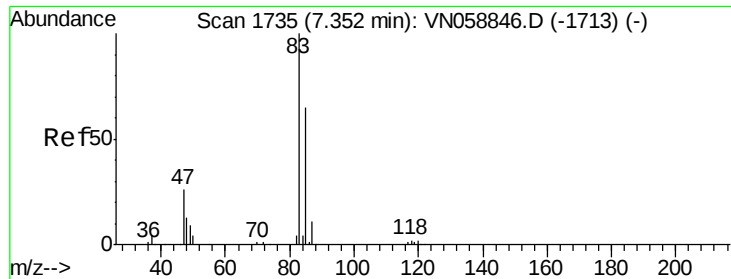
72 24.2 32.2 48.2#

71 22.8 30.6 45.8#



Abundance Ion 42.00 (41.70 to 42.70): VN058846.D (-1657) (-)

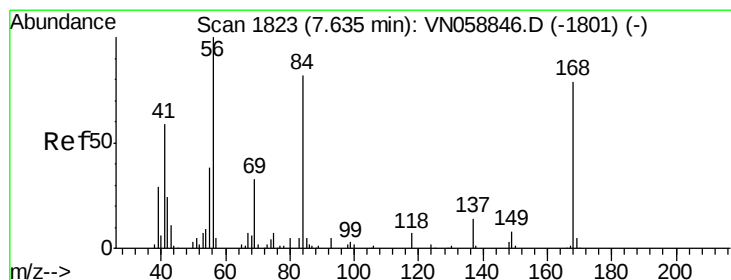
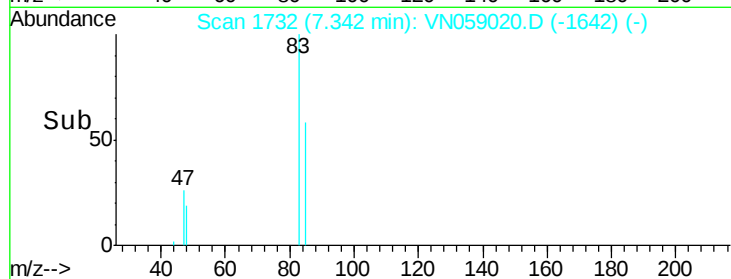
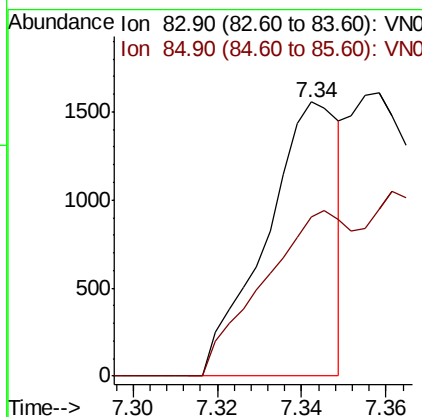
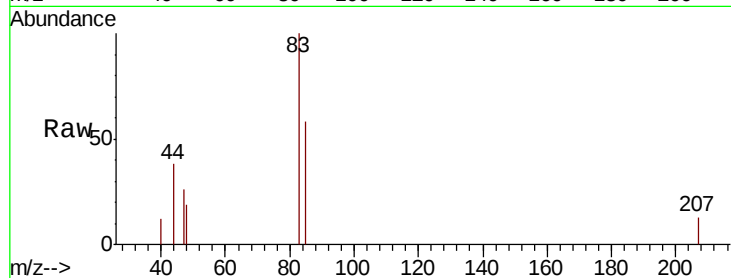




#30
Chloroform
Concen: 0.219 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.01 min
Lab File: VN059020.D
Acq: 30 Oct 2019 11:16

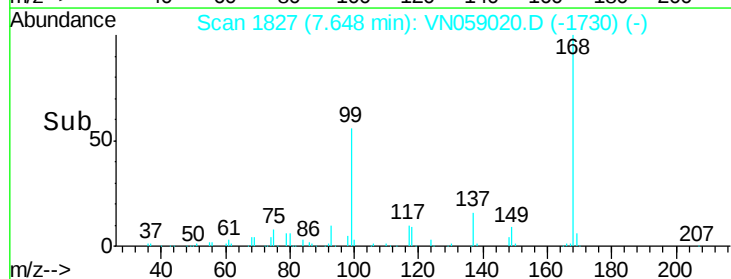
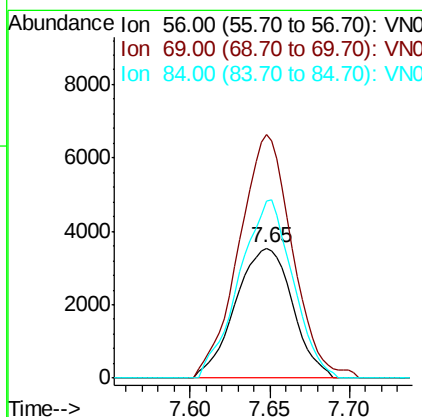
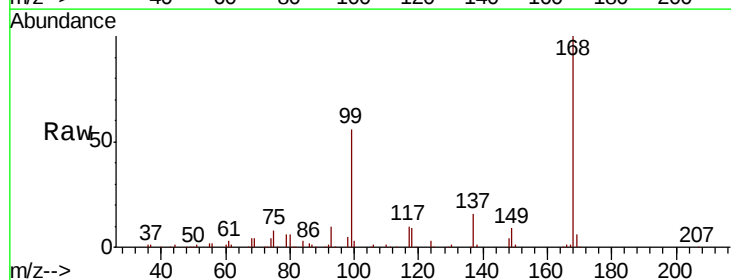
Instrument :
MSVOA_N
ClientSampleId :

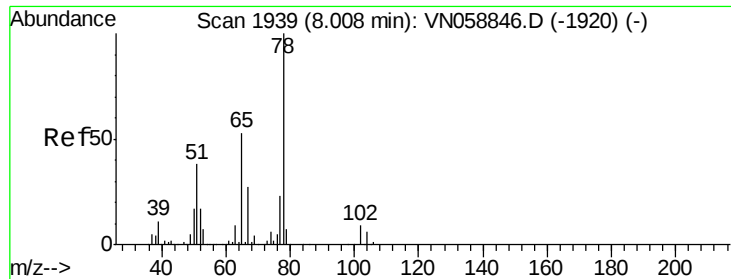
Tot Ion: 83 Resp: 1867
Ion Ratio Lower Upper
83 100
85 58.0 51.9 77.9



#31
Cyclohexane
Concen: 1.098 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.01 min
Lab File: VN059020.D
Acq: 30 Oct 2019 11:16

Tgt Ion: 56 Resp: 8672
Ion Ratio Lower Upper
56 100
69 187.3 26.2 39.4#
84 135.8 65.6 98.4#

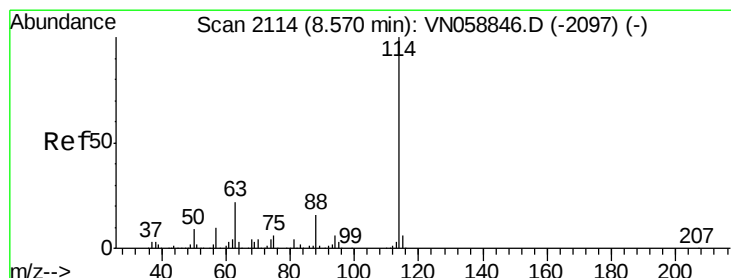
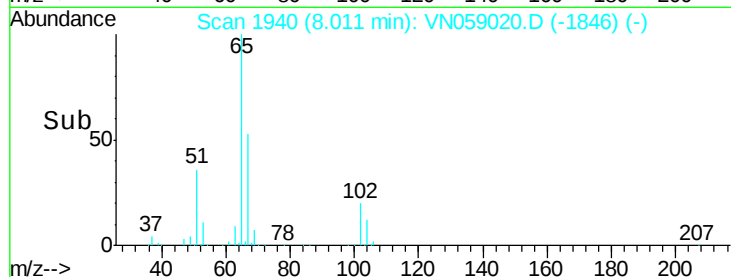
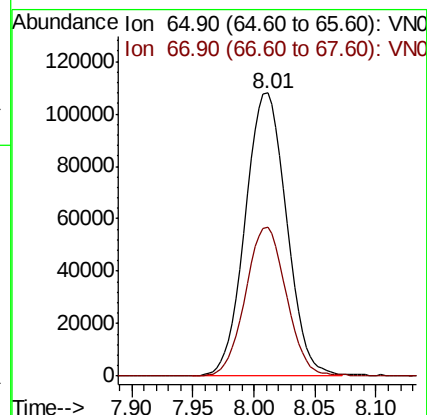
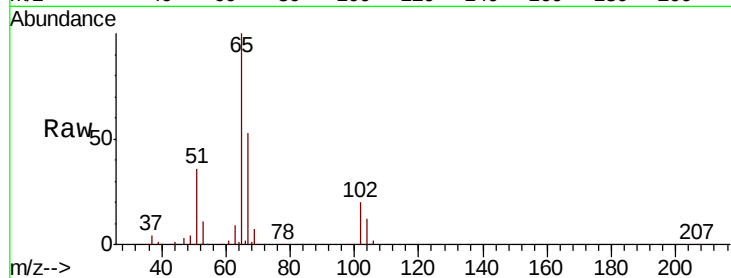




#33
 1,2-Dichloroethane-d4
 Concen: 46.067 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN059020.D
 Acq: 30 Oct 2019 11:16

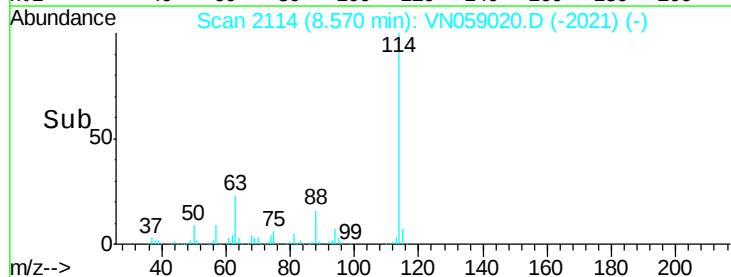
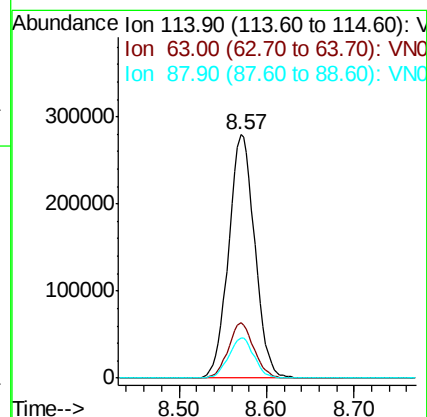
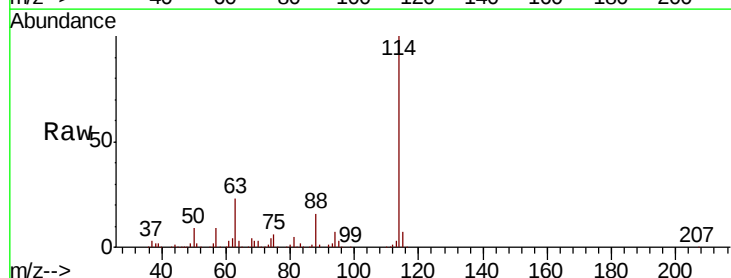
Instrument :
 MSVOA_N
 ClientSampled :

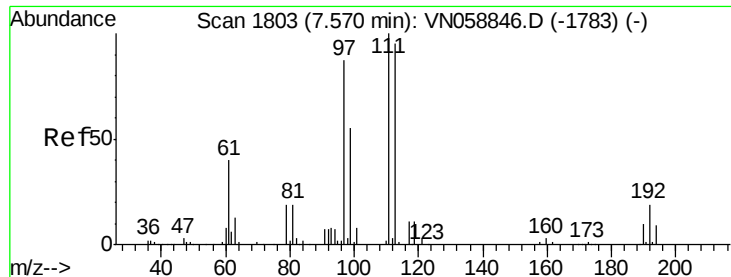
Tot Ion: 65 Resp: 253244
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059020.D
 Acq: 30 Oct 2019 11:16

Tgt Ion: 114 Resp: 579937
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 44.4
 88 16.3 0.0 31.4

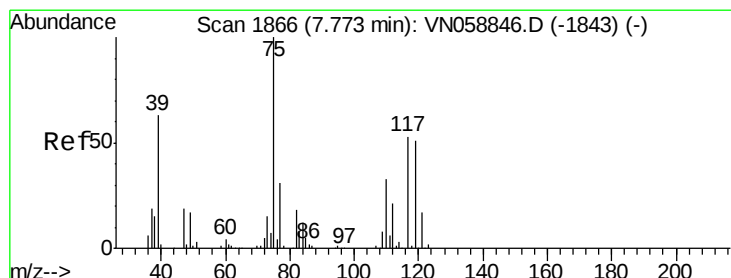
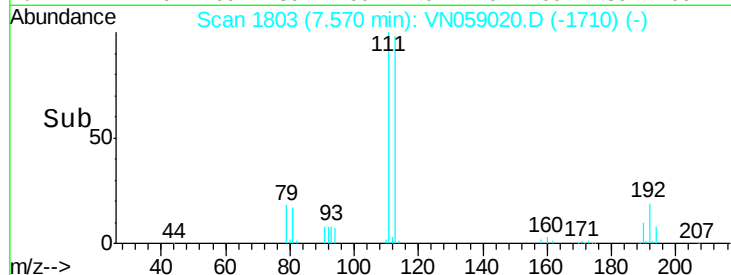
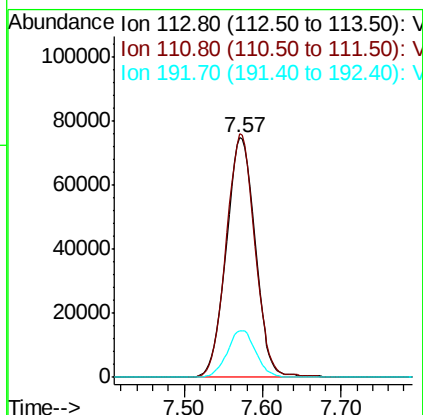
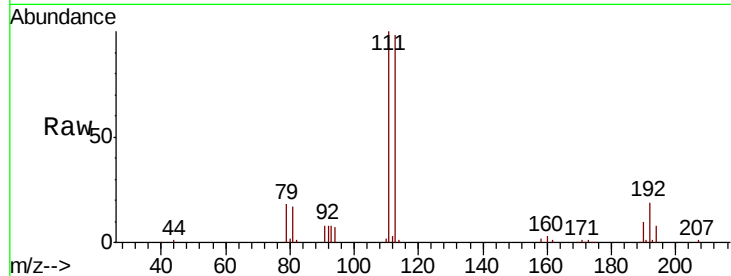




#35
 Dibromofluoromethane
 Concen: 50.072 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN059020.D
 Acq: 30 Oct 2019 11:16

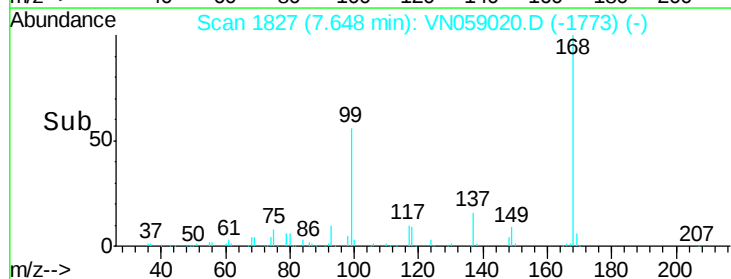
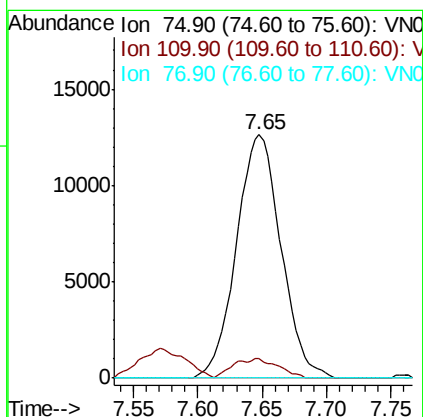
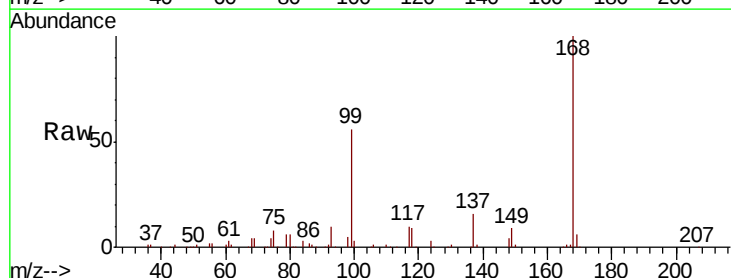
Instrument :
 MSVOA_N
 ClientSampleId :

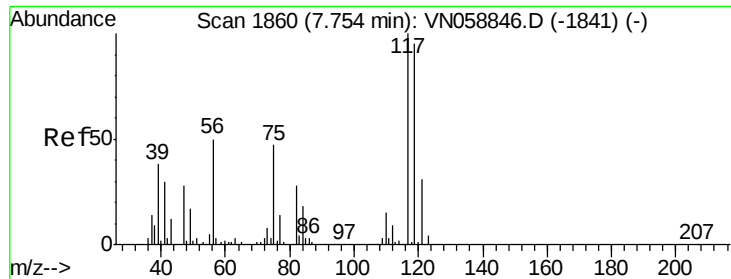
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.5	82.0	123.0
192	19.3	15.0	22.6



#36
 1,1-Dichloropropene
 Concen: 5.124 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN059020.D
 Acq: 30 Oct 2019 11:16

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.0	16.3	48.9#
77	0.0	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 6.087 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.11 min

Lab File: VN059020.D

Acq: 30 Oct 2019 11:16

Instrument :

MSVOA_N

ClientSampleId :

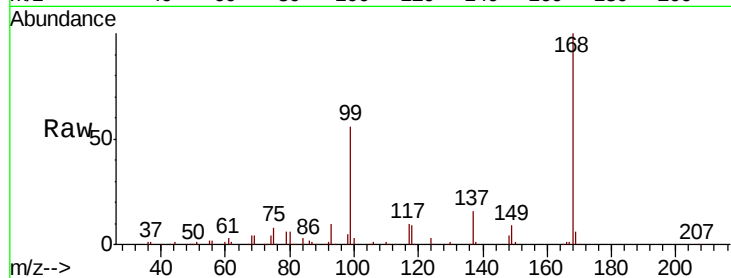
Tot Ion:117 Resp: 37233

Ion Ratio Lower Upper

117 100

119 5.1 75.7 113.5#

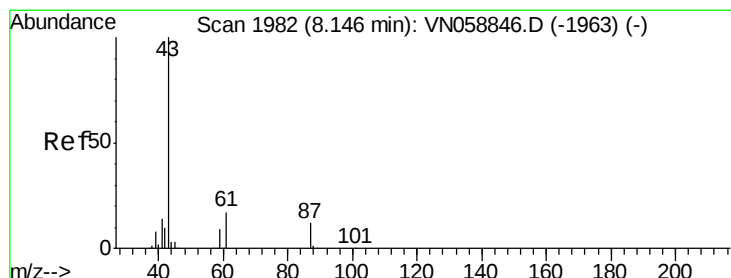
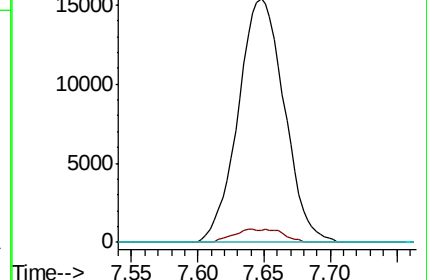
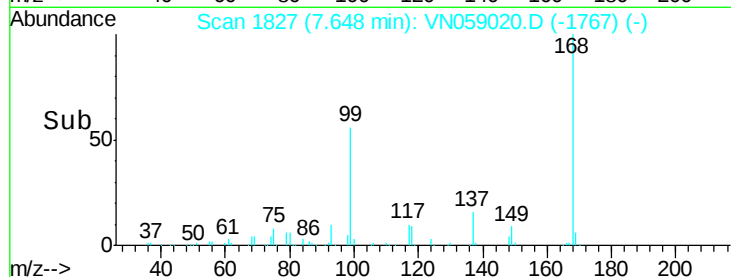
121 0.0 25.0 37.6#



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: 9.646 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VN059020.D

Acq: 30 Oct 2019 11:16

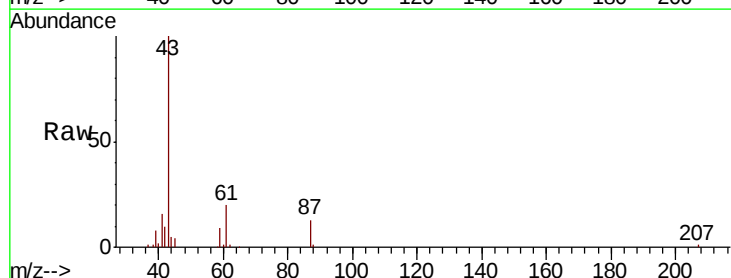
Tgt Ion: 43 Resp: 100078

Ion Ratio Lower Upper

43 100

61 18.7 20.2 30.2#

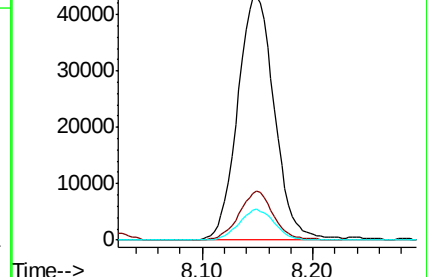
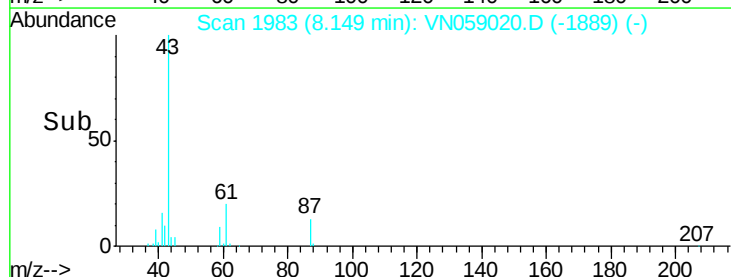
87 12.0 9.5 14.3

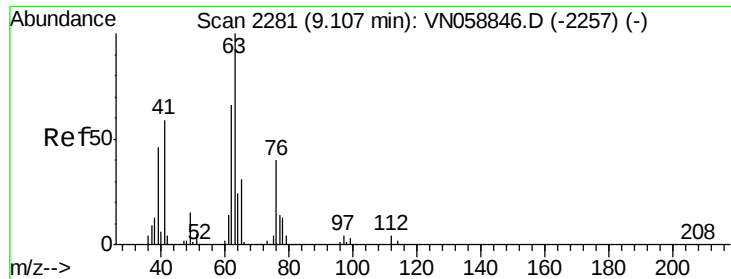


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#45

1,2-Dichloropropane

Concen: 0.470 ug/l

RT: 9.25 min Scan# 2326

Delta R.T. 0.14 min

Lab File: VN059020.D

Acq: 30 Oct 2019 11:16

Instrument :

MSVOA_N

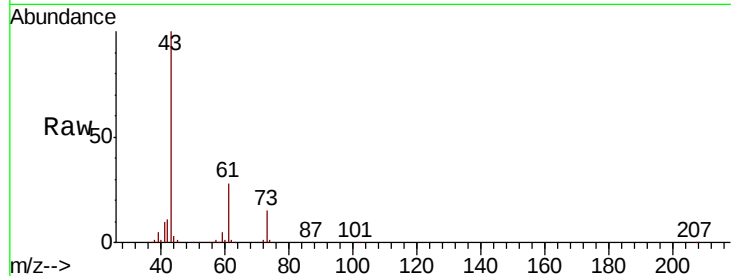
ClientSampled :

Tot Ion: 63 Resp: 2247

Ion Ratio Lower Upper

63 100

65 0.0 24.5 36.7#



Abundance Ion 62.90 (62.60 to 63.60): VNC

Ion 64.90 (64.60 to 65.60): VNC

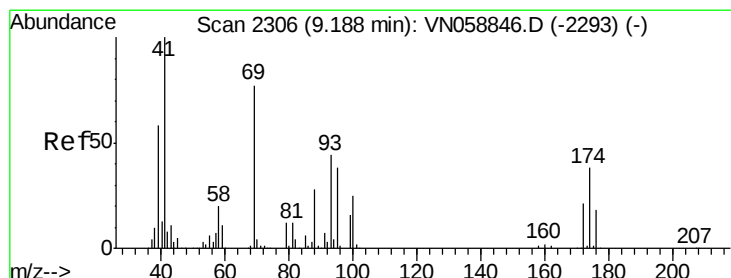
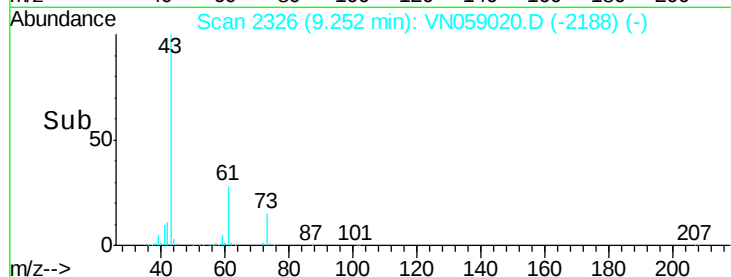
1500

1000

500

0

Time--> 9.20 9.25 9.30



#48

Methyl methacrylate

Concen: 1.381 ug/l

RT: 9.17 min Scan# 2301

Delta R.T. -0.02 min

Lab File: VN059020.D

Acq: 30 Oct 2019 11:16

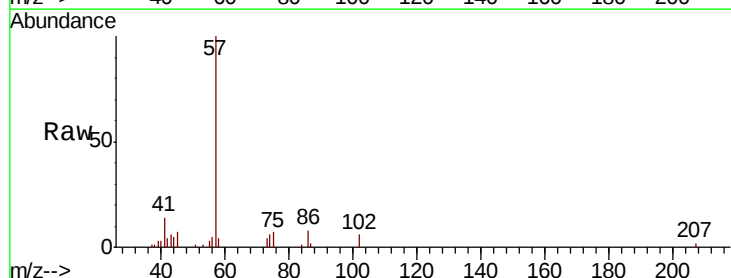
Tgt Ion: 41 Resp: 6499

Ion Ratio Lower Upper

41 100

69 0.0 63.8 95.6#

39 0.0 47.8 71.8#



Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

100000

80000

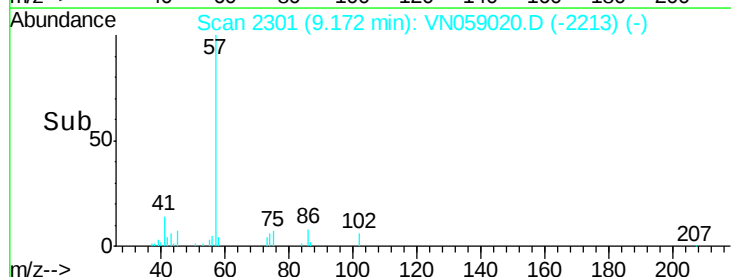
60000

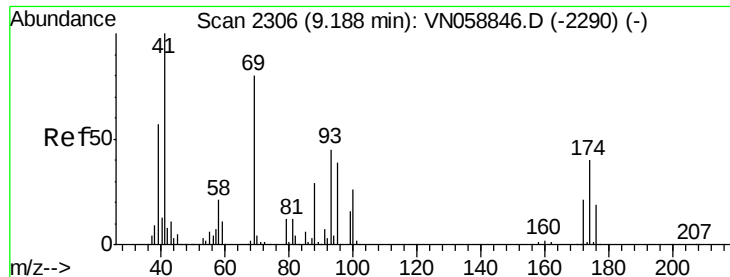
40000

20000

0

Time--> 9.10 9.15 9.20





#49

1,4-Dioxane

Concen: 0.388 ug/l

RT: 9.26 min Scan# 2328

Delta R.T. 0.07 min

Lab File: VN059020.D

Acq: 30 Oct 2019 11:16

Instrument :

MSVOA_N

ClientSampled :

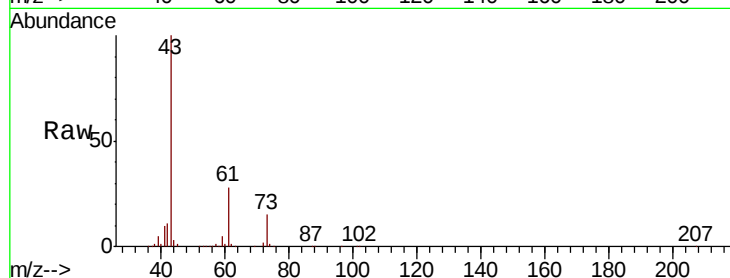
Tot Ion: 88 Resp: 30

Ion Ratio Lower Upper

88 100

43 6020666.7 29.1 43.7#

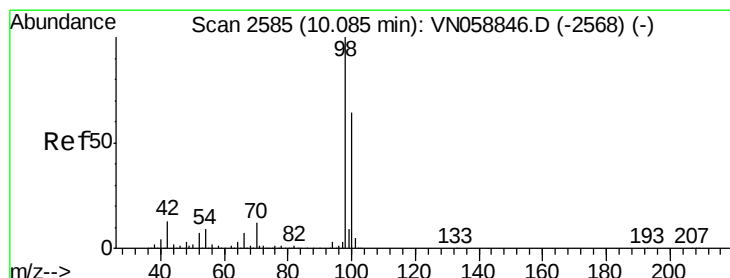
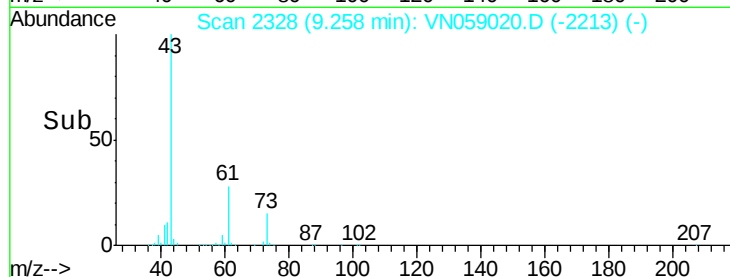
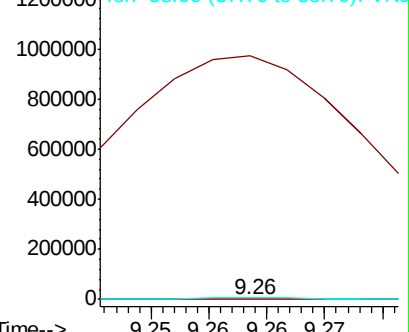
58 29690.0 59.4 89.0#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 50.001 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN059020.D

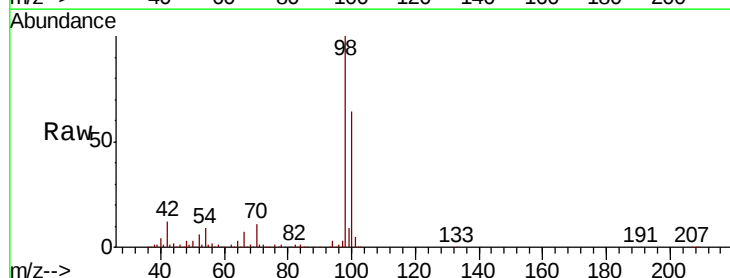
Acq: 30 Oct 2019 11:16

Tgt Ion: 98 Resp: 740086

Ion Ratio Lower Upper

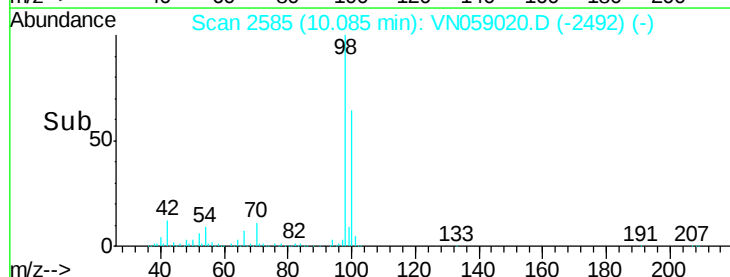
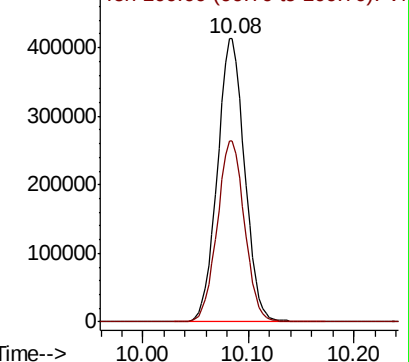
98 100

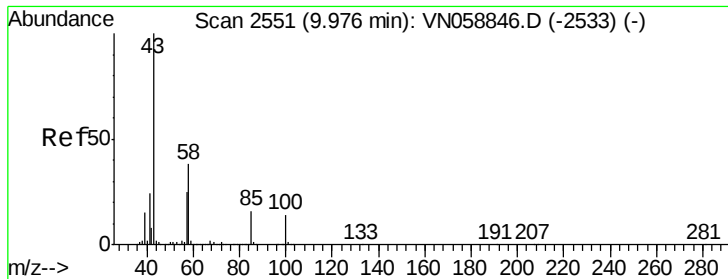
100 64.0 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 1.261 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN059020.D

Acq: 30 Oct 2019 11:16

Instrument :

MSVOA_N

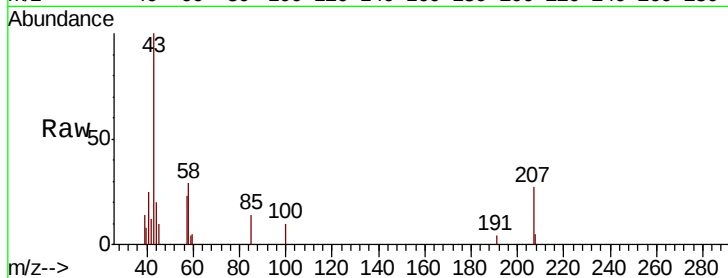
ClientSampled :

Tot Ion: 43 Resp: 7642

Ion Ratio Lower Upper

43 100

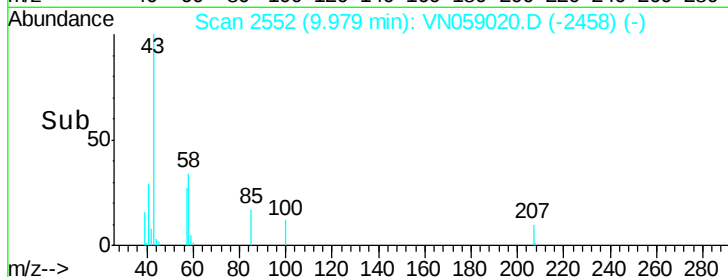
58 33.4 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-2533) (-)

Ion 58.00 (57.70 to 58.70): VN058846.D (-2533) (-)

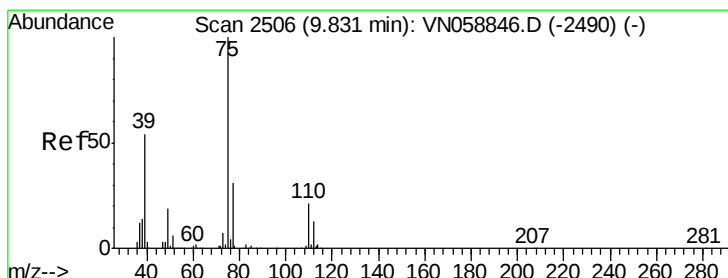
Time-->



Abundance Ion 43.00 (42.70 to 43.70): VN059020.D (-2458) (-)

Ion 58.00 (57.70 to 58.70): VN059020.D (-2458) (-)

Time-->



#54

cis-1,3-Dichloropropene

Concen: 5.271 ug/l

RT: 9.90 min Scan# 2527

Delta R.T. 0.07 min

Lab File: VN059020.D

Acq: 30 Oct 2019 11:16

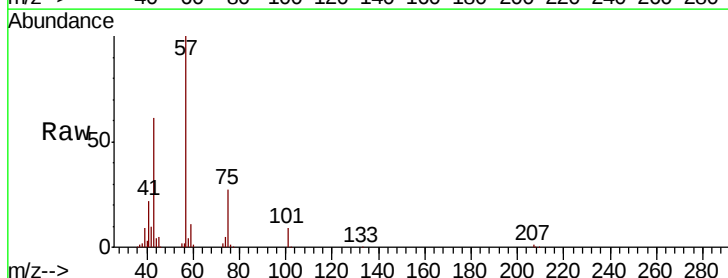
Tgt Ion: 75 Resp: 38834

Ion Ratio Lower Upper

75 100

77 0.8 24.7 37.1#

39 35.1 43.5 65.3#

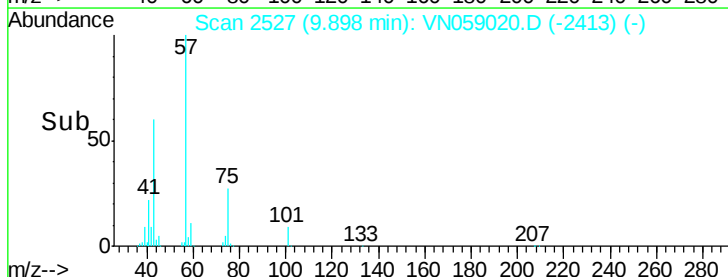


Abundance Ion 74.90 (74.60 to 75.60): VN058846.D (-2490) (-)

Ion 76.90 (76.60 to 77.60): VN058846.D (-2490) (-)

Ion 39.00 (38.70 to 39.70): VN058846.D (-2490) (-)

Time-->

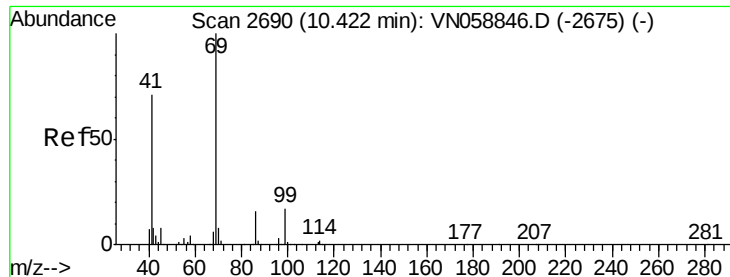


Abundance Ion 74.90 (74.60 to 75.60): VN059020.D (-2413) (-)

Ion 76.90 (76.60 to 77.60): VN059020.D (-2413) (-)

Ion 39.00 (38.70 to 39.70): VN059020.D (-2413) (-)

Time-->



#56

Ethyl methacrylate

Concen: 2.334 ug/l

RT: 10.54 min Scan# 2726

Delta R.T. 0.12 min

Lab File: VN059020.D

Acq: 30 Oct 2019 11:16

Instrument :

MSVOA_N

ClientSampleId :

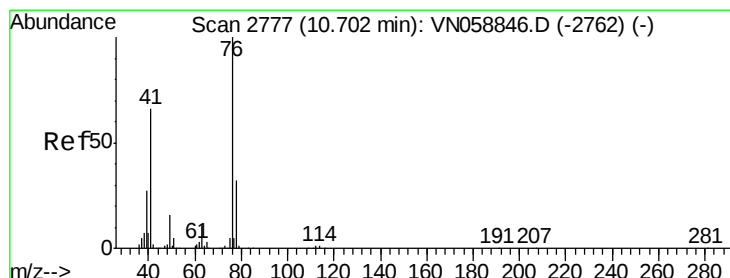
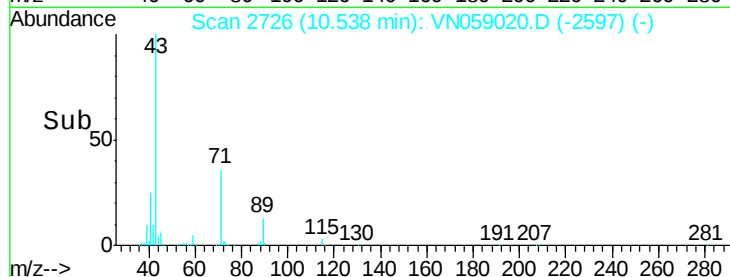
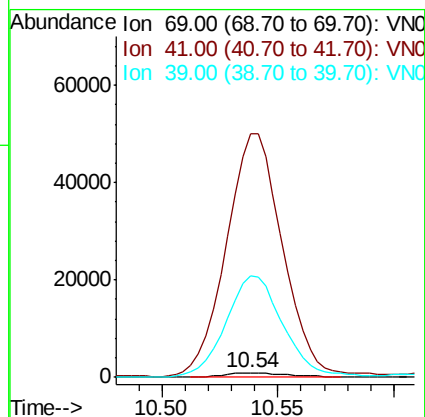
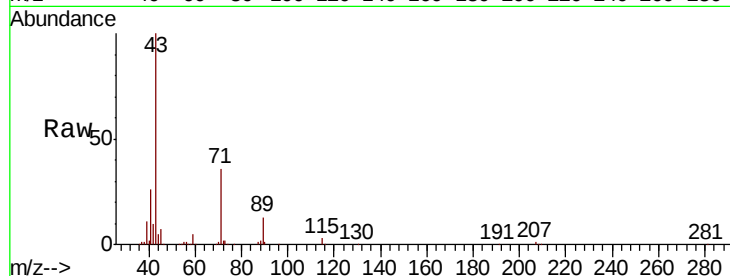
Tot Ion: 69 Resp: 1763

Ion Ratio Lower Upper

69 100

41 4773.6 57.2 85.8#

39 2028.9 31.0 46.4#



#57

1,3-Dichloropropane

Concen: 0.960 ug/l

RT: 10.76 min Scan# 2795

Delta R.T. 0.06 min

Lab File: VN059020.D

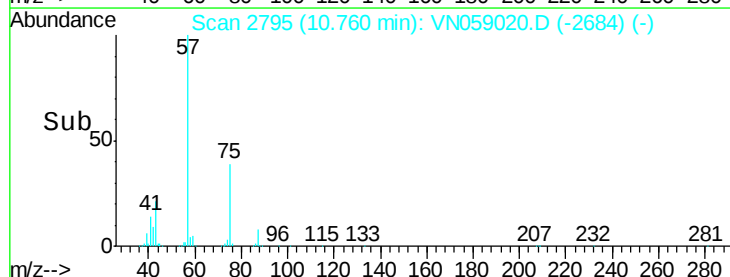
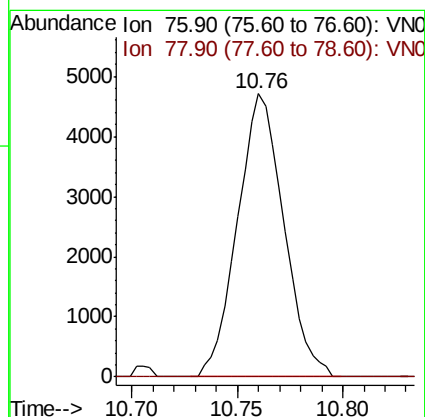
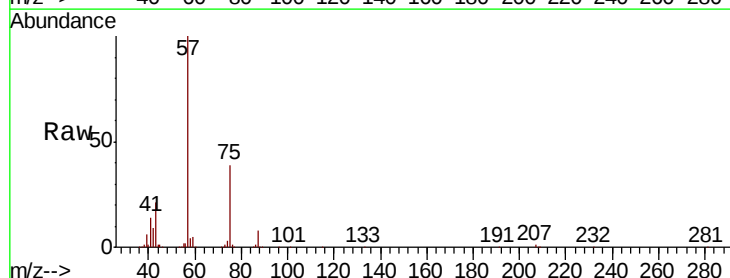
Acq: 30 Oct 2019 11:16

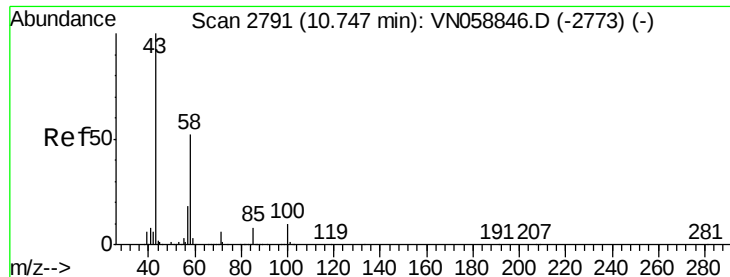
Tgt Ion: 76 Resp: 7180

Ion Ratio Lower Upper

76 100

78 0.0 25.4 38.0#

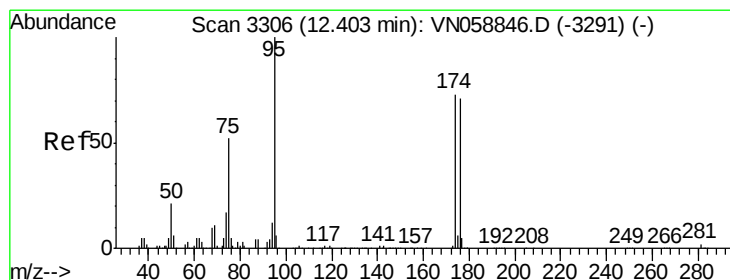
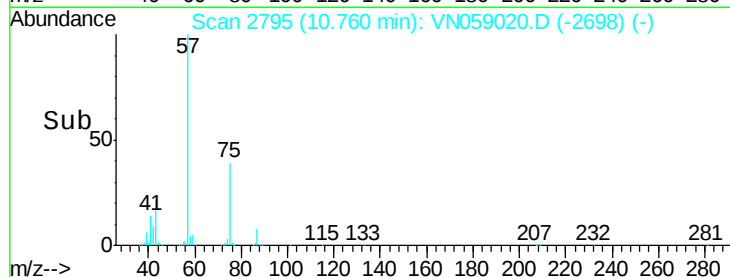
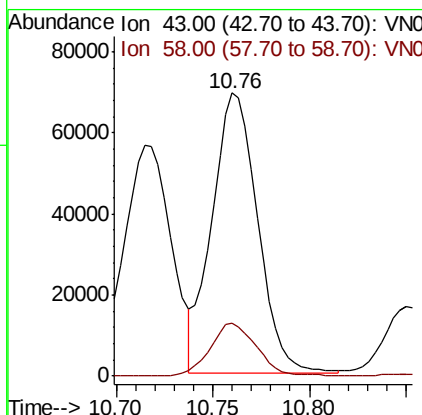
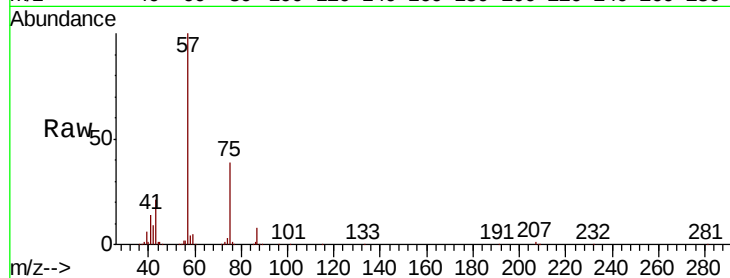




#59
2-Hexanone
Concen: 24.382 ug/l
RT: 10.76 min Scan# 2795
Delta R.T. 0.01 min
Lab File: VN059020.D
Acq: 30 Oct 2019 11:16

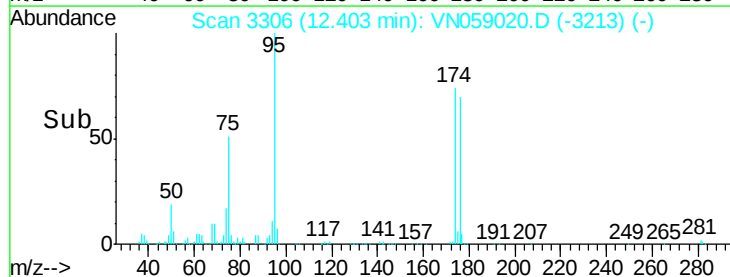
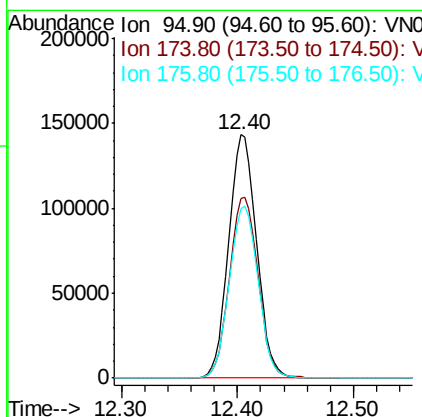
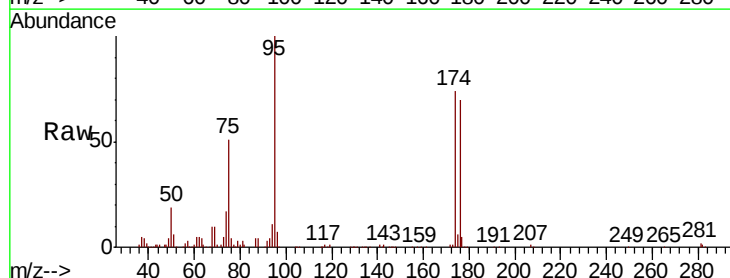
Instrument :
MSVOA_N
ClientSampled :

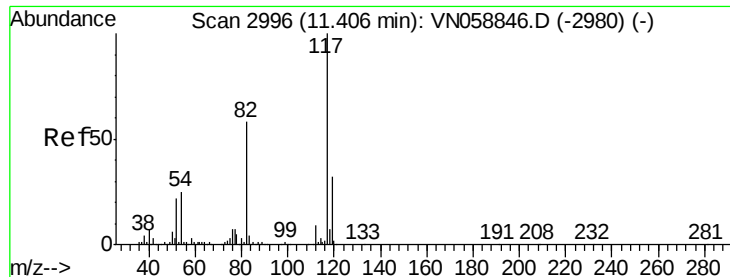
Tot Ion: 43 Resp: 114180
Ion Ratio Lower Upper
43 100
58 19.3 25.9 77.7#



#62
4-Bromofluorobenzene
Concen: 43.782 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN059020.D
Acq: 30 Oct 2019 11:16

Tgt Ion: 95 Resp: 237974
Ion Ratio Lower Upper
95 100
174 76.2 0.0 147.6
176 72.9 0.0 143.2

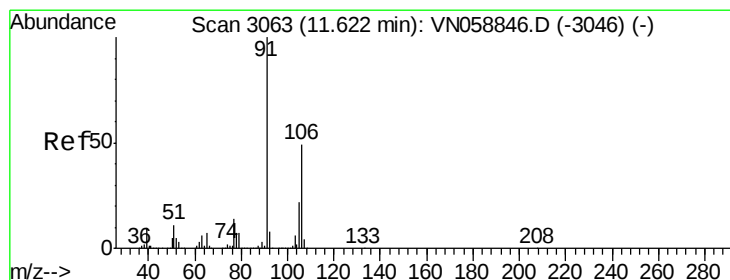
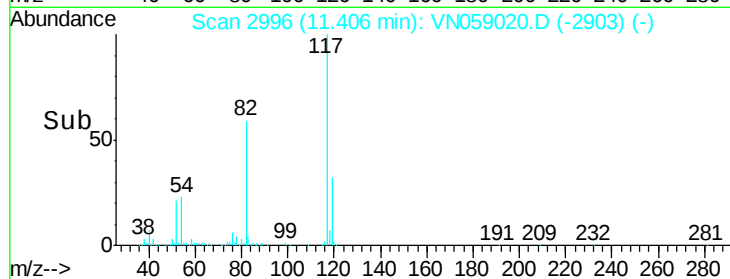
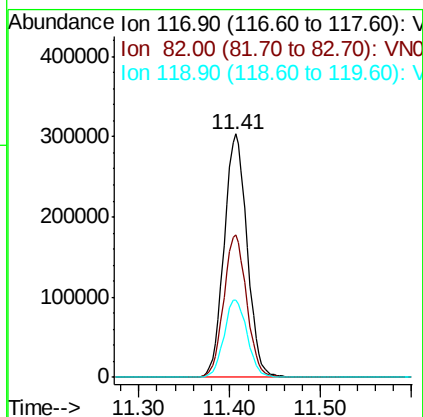
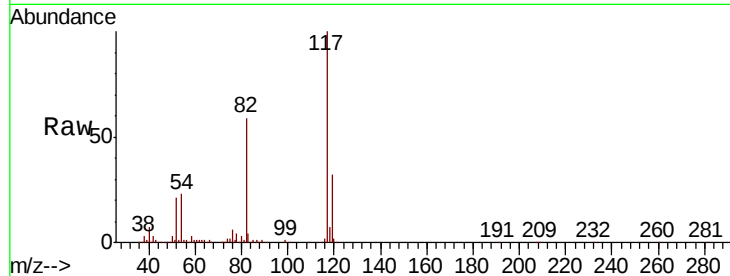




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN059020.D
Acq: 30 Oct 2019 11:16

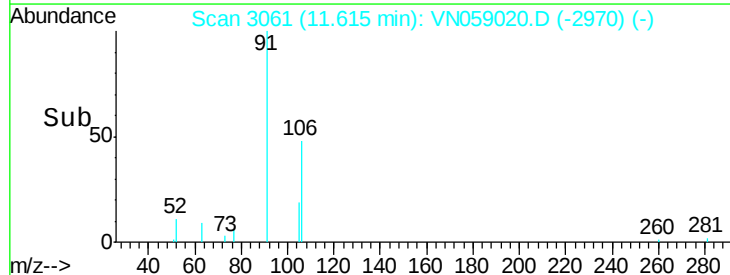
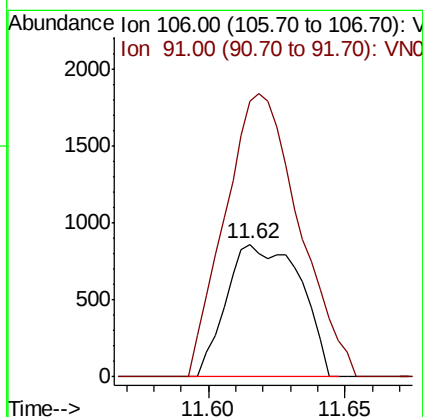
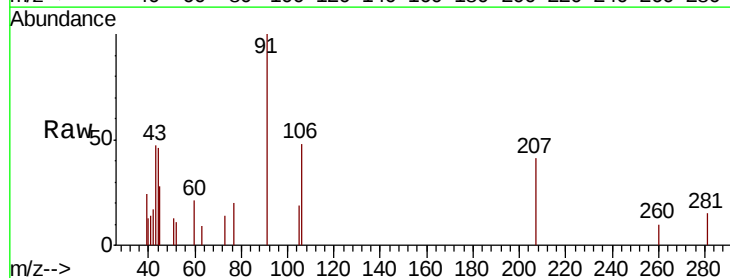
Instrument :
MSVOA_N
ClientSampled :

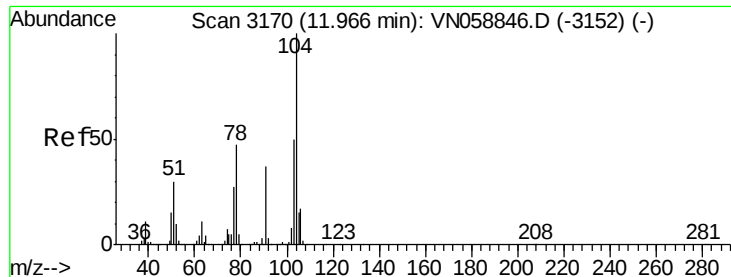
Tot Ion:117 Resp: 532152
Ion Ratio Lower Upper
117 100
82 58.6 46.6 69.8
119 31.9 25.6 38.4



#68
m/p-Xylenes
Concen: 0.231 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.01 min
Lab File: VN059020.D
Acq: 30 Oct 2019 11:16

Tgt Ion:106 Resp: 1629
Ion Ratio Lower Upper
106 100
91 212.9 166.6 249.8





#70

Stvrene

Concen: 1.785 ug/l

RT: 11.98 min Scan# 3174

Delta R.T. 0.01 min

Lab File: VN059020.D

Acq: 30 Oct 2019 11:16

Instrument :

MSVOA_N

ClientSampled :

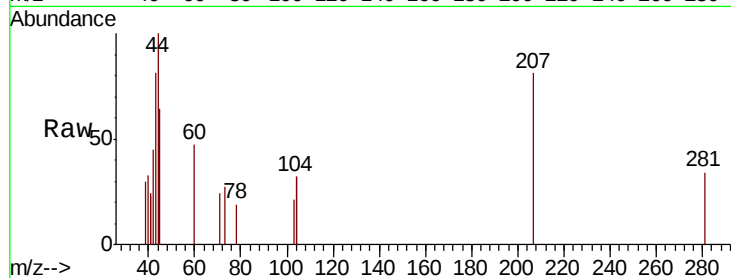
Tot Ion:104 Resp: 917

Ion Ratio Lower Upper

104 100

78 59.2 42.8 64.2

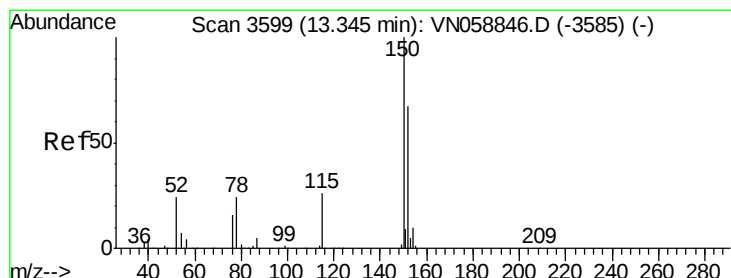
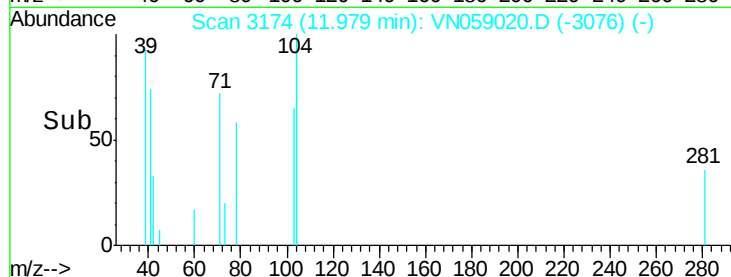
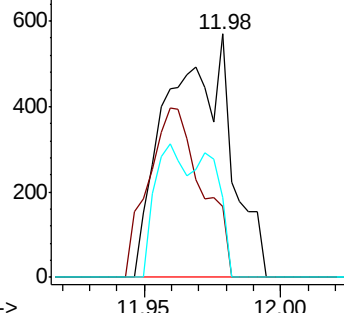
103 27.5 44.3 66.5#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN059020.D

Acq: 30 Oct 2019 11:16

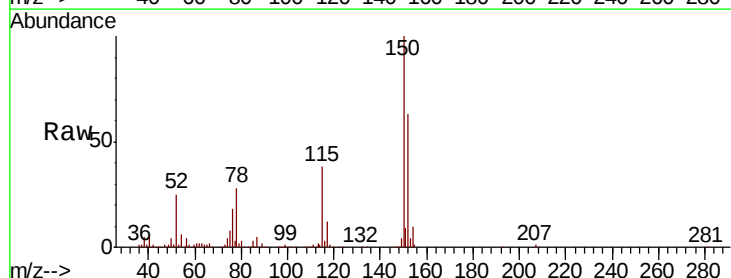
Tgt Ion:152 Resp: 197979

Ion Ratio Lower Upper

152 100

115 60.7 30.5 91.5

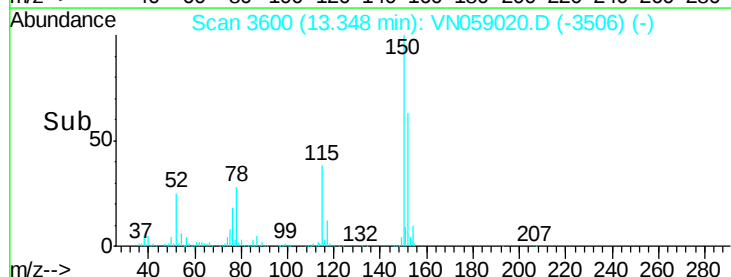
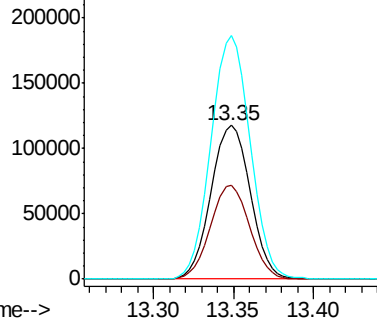
150 158.2 0.0 344.4

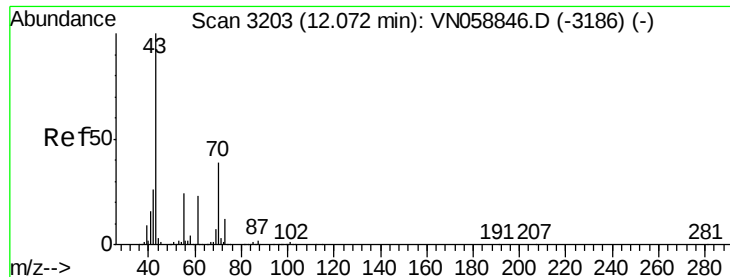


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 0.461 ug/l

RT: 12.03 min Scan# 3191

Delta R.T. -0.04 min

Lab File: VN059020.D

Acq: 30 Oct 2019 11:16

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 3025

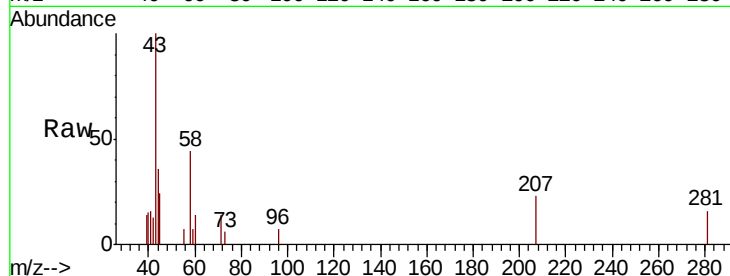
Ion Ratio Lower Upper

43 100

70 0.0 30.9 46.3#

55 9.3 19.7 29.5#

61 0.0 18.2 27.4#

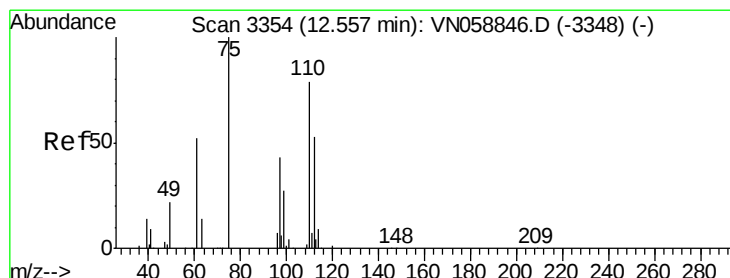
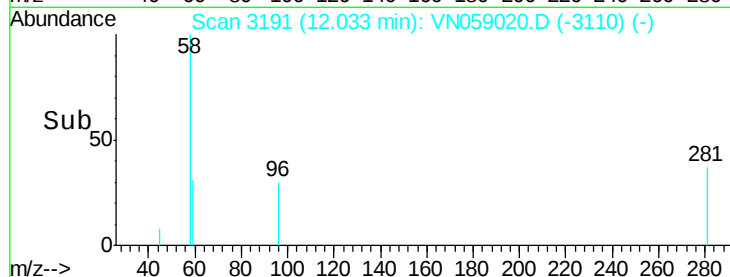
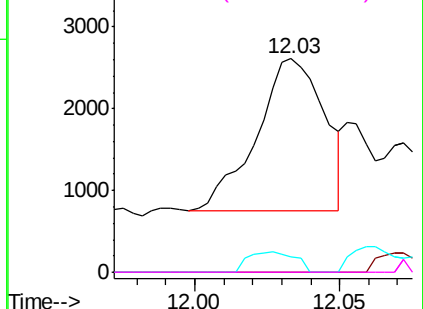


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 26.686 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN059020.D

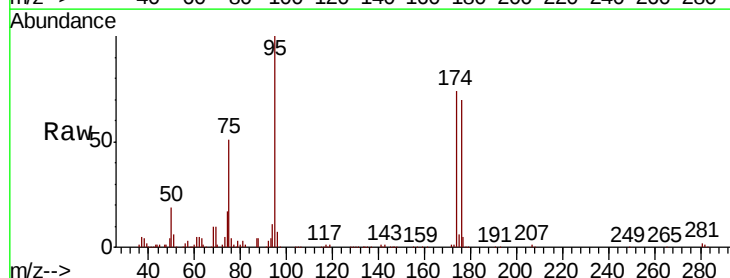
Acq: 30 Oct 2019 11:16

Tgt Ion: 75 Resp: 122444

Ion Ratio Lower Upper

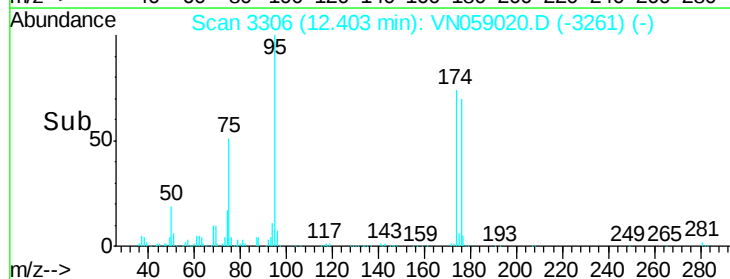
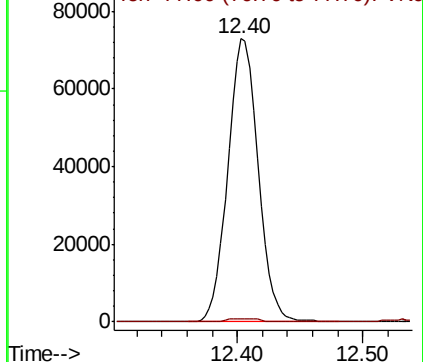
75 100

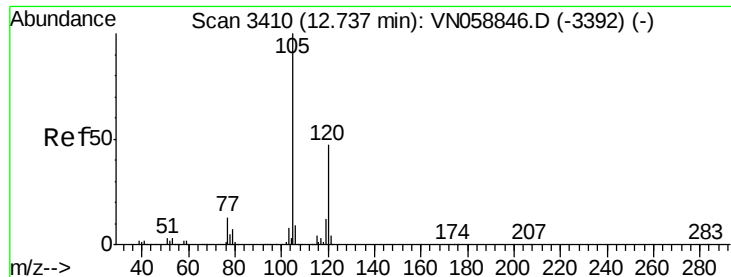
77 1.3 0.0 0.0#



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: 0.453 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN059020.D

Acq: 30 Oct 2019 11:16

Instrument :

MSVOA_N

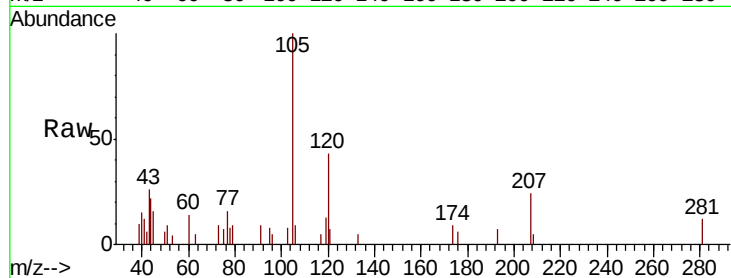
ClientSampleId :

Tot Ion:105 Resp: 5512

Ion Ratio Lower Upper

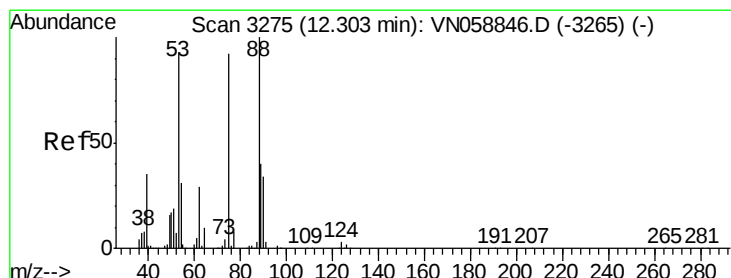
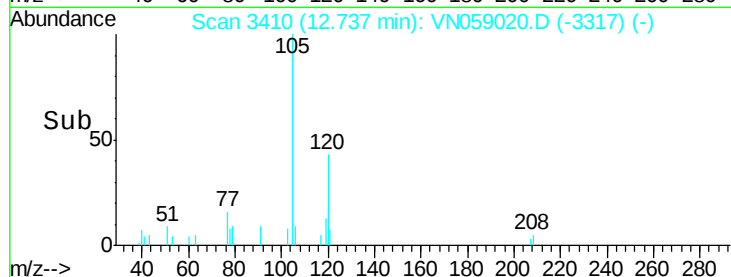
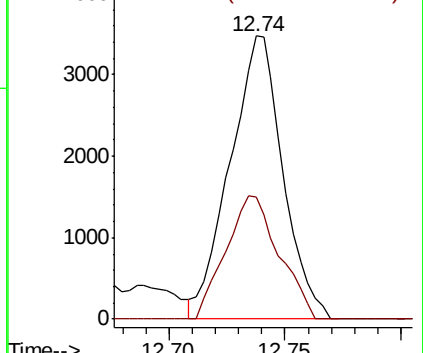
105 100

120 43.6 23.8 71.5



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: 69.518 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN059020.D

Acq: 30 Oct 2019 11:16

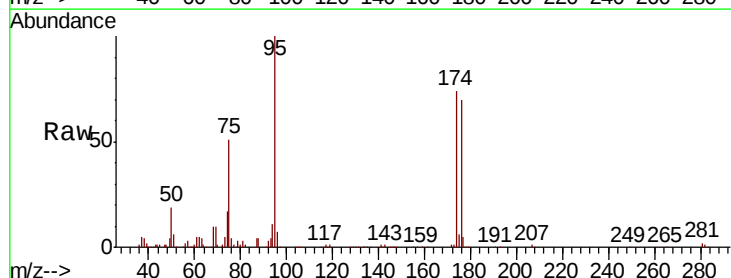
Tgt Ion: 75 Resp: 122444

Ion Ratio Lower Upper

75 100

53 0.0 78.6 118.0#

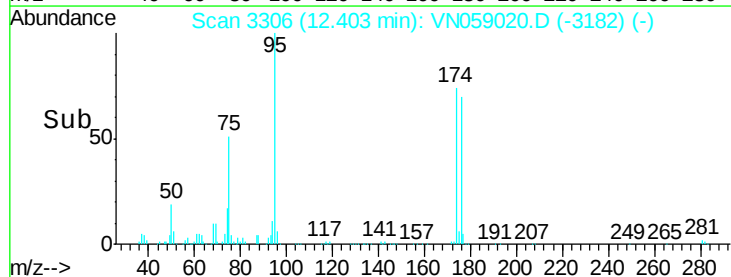
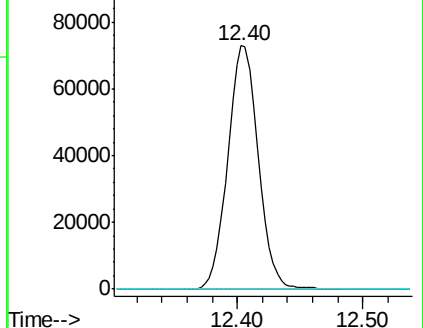
89 0.0 35.4 53.0#

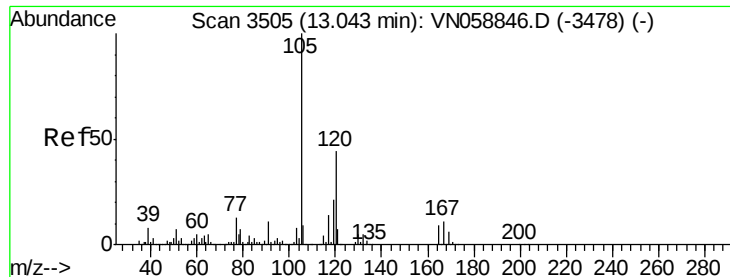


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

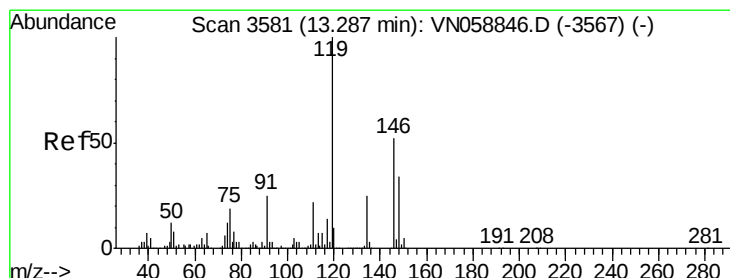
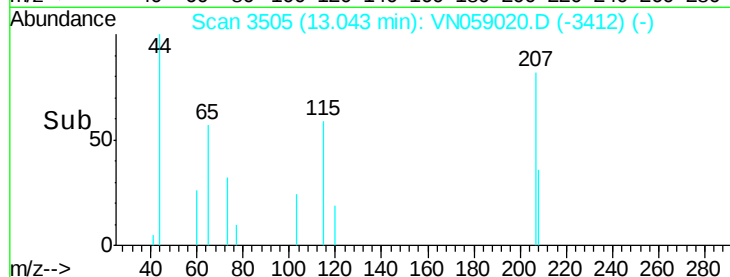
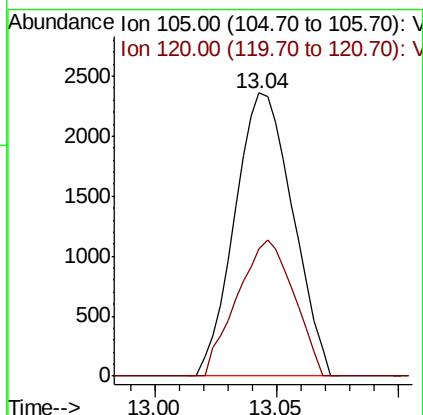
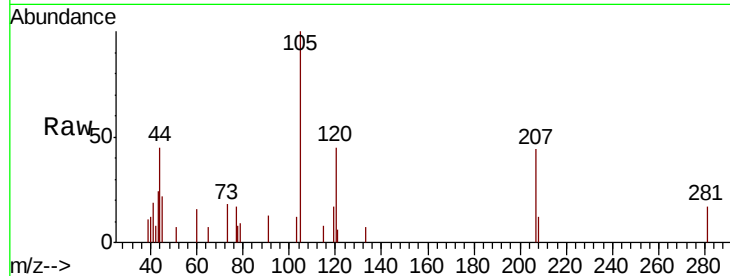




#84
 1,2,4-Trimethylbenzene
 Concen: 0.324 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN059020.D
 Acq: 30 Oct 2019 11:16

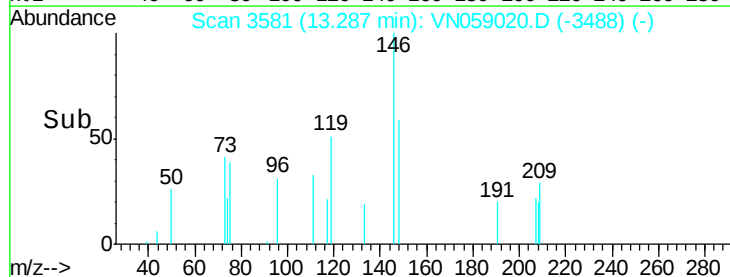
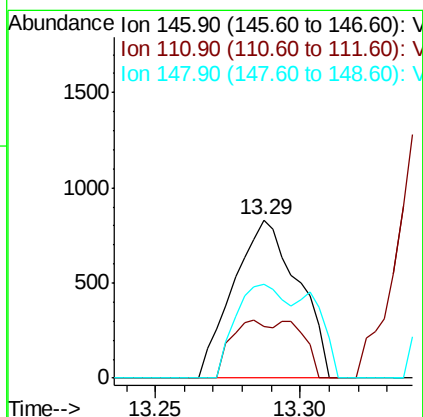
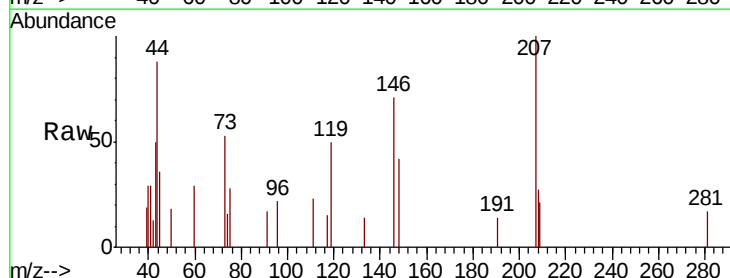
Instrument :
 MSVOA_N
 ClientSampleId :

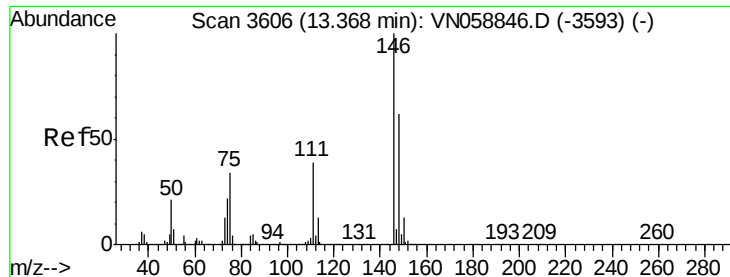
Tot Ion:105 Resp: 3886
 Ion Ratio Lower Upper
 105 100
 120 47.1 21.9 65.8



#87
 1,3-Dichlorobenzene
 Concen: 0.202 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN059020.D
 Acq: 30 Oct 2019 11:16

Tgt Ion:146 Resp: 1291
 Ion Ratio Lower Upper
 146 100
 111 23.2 21.0 63.0
 148 47.7 32.1 96.3





#88

1,4-Dichlorobenzene

Concen: 0.202 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.08 min

Lab File: VN059020.D

Acq: 30 Oct 2019 11:16

Instrument :

MSVOA_N

ClientSampleId :

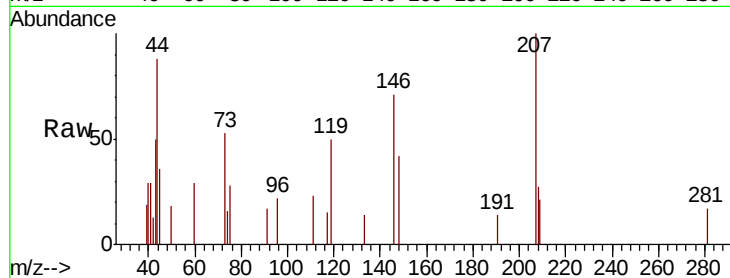
Tot Ion:146 Resp: 1291

Ion Ratio Lower Upper

146 100

111 23.2 20.2 60.6

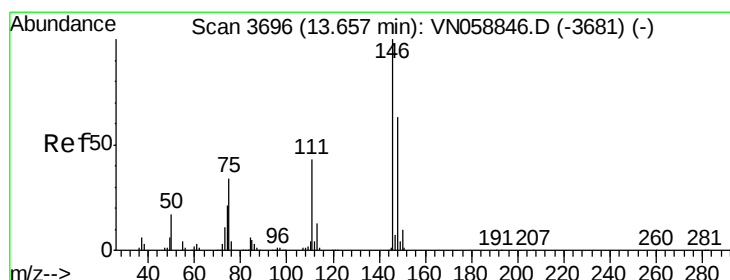
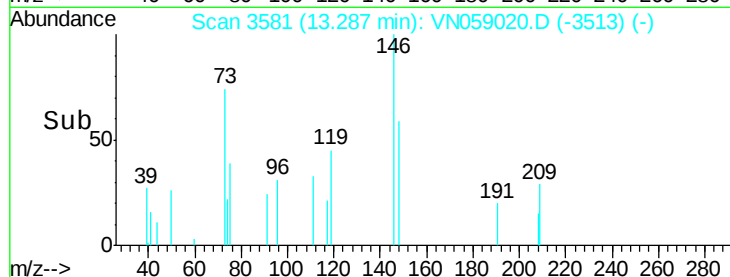
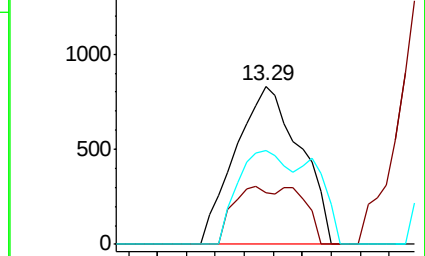
148 47.7 31.6 94.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#91

1,2-Dichlorobenzene

Concen: 0.202 ug/l

RT: 13.67 min Scan# 3699

Delta R.T. 0.01 min

Lab File: VN059020.D

Acq: 30 Oct 2019 11:16

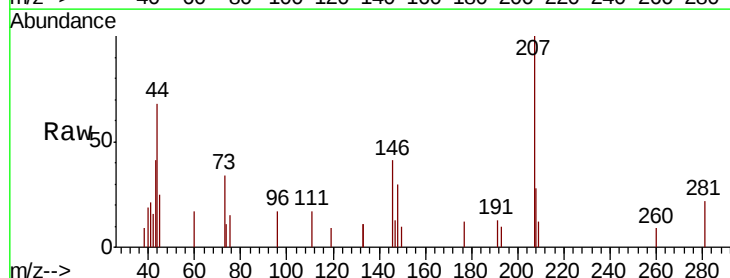
Tgt Ion:146 Resp: 1267

Ion Ratio Lower Upper

146 100

111 41.4 21.6 64.8

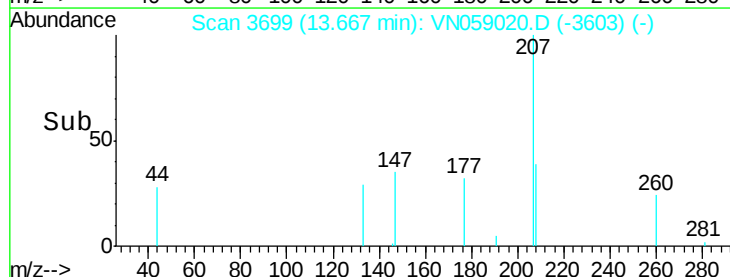
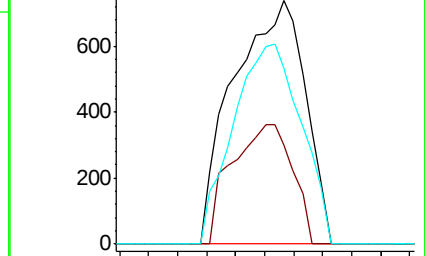
148 77.9 31.9 95.9

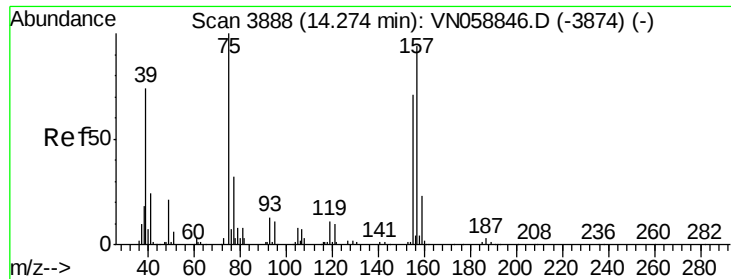


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.269 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. -0.00 min

Lab File: VN059020.D

Acq: 30 Oct 2019 11:16

Instrument :

MSVOA_N

ClientSampled :

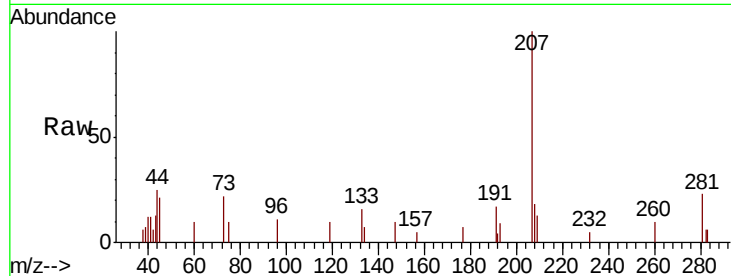
Tot Ion: 75 Resp: 310

Ion Ratio Lower Upper

75 100

155 30.3 35.6 106.8#

157 67.4 47.4 142.2

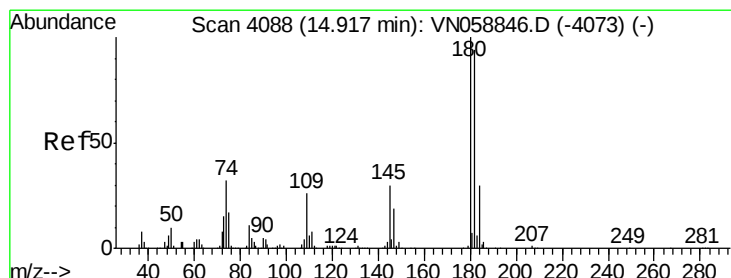
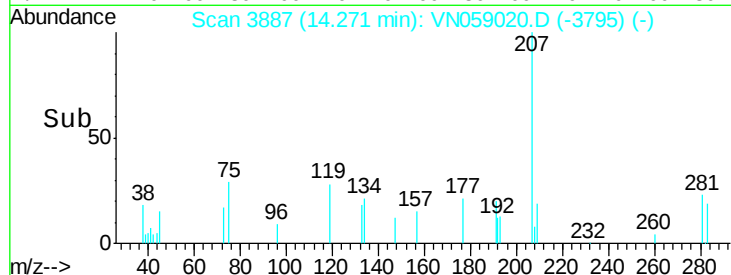


Abundance Ion 74.90 (74.60 to 75.60): VN059020.D (-3795) (-)

Ion 154.80 (154.50 to 155.50): VN059020.D (-3795) (-)

Ion 156.80 (156.50 to 157.50): VN059020.D (-3795) (-)

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 3.038 ug/l

RT: 14.92 min Scan# 4088

Delta R.T. 0.00 min

Lab File: VN059020.D

Acq: 30 Oct 2019 11:16

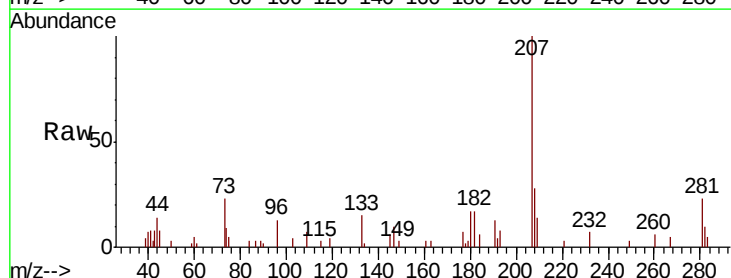
Tgt Ion: 180 Resp: 2148

Ion Ratio Lower Upper

180 100

182 95.7 47.3 142.0

145 38.6 15.3 45.8

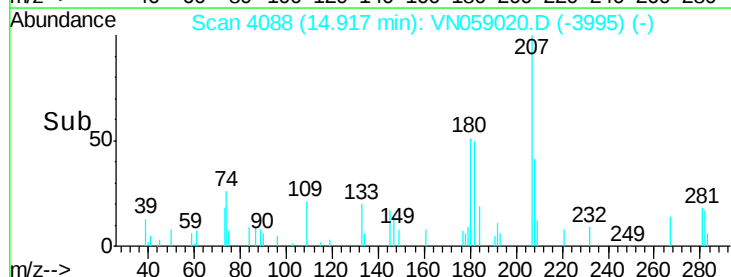


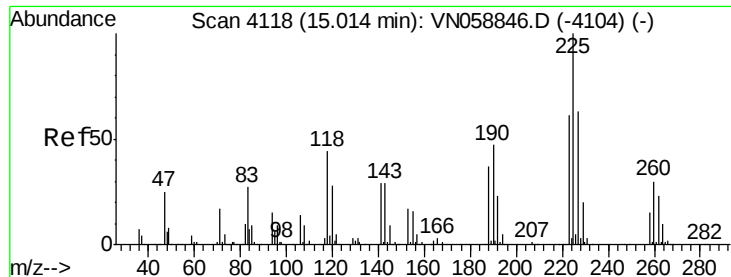
Abundance Ion 179.80 (179.50 to 180.50): VN059020.D (-3995) (-)

Ion 181.80 (181.50 to 182.50): VN059020.D (-3995) (-)

Ion 144.80 (144.50 to 145.50): VN059020.D (-3995) (-)

Time-->





#94

Hexachlorobutadiene

Concen: 0.302 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. -0.00 min

Lab File: VN059020.D

Acq: 30 Oct 2019 11:16

Instrument :

MSVOA_N

ClientSampleId :

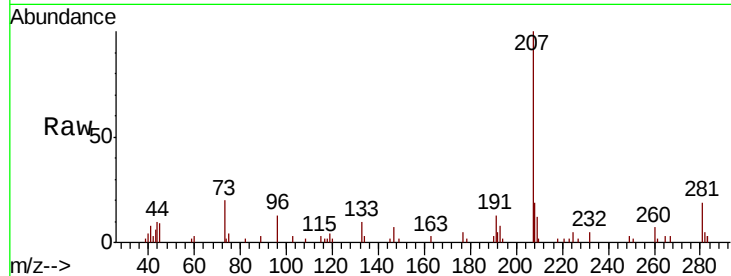
Tot Ion:225 Resp: 614

Ion Ratio Lower Upper

225 100

223 45.1 30.9 92.5

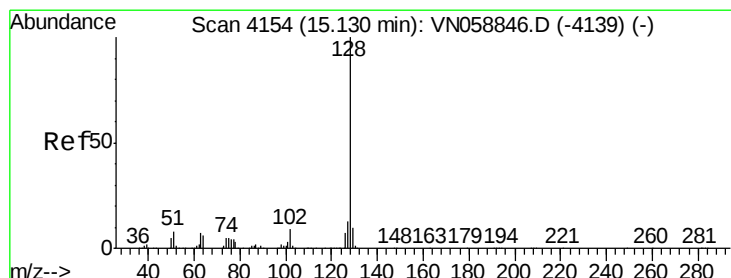
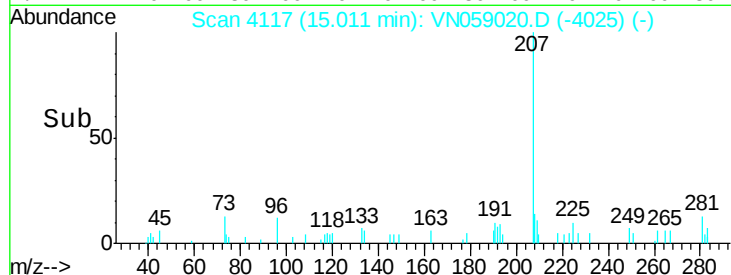
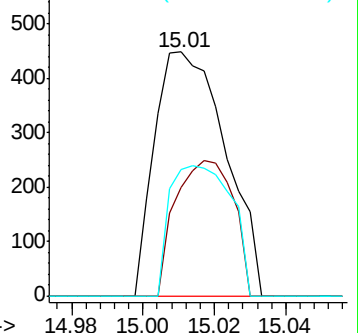
227 46.4 31.6 94.7



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: 3.737 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN059020.D

Acq: 30 Oct 2019 11:16

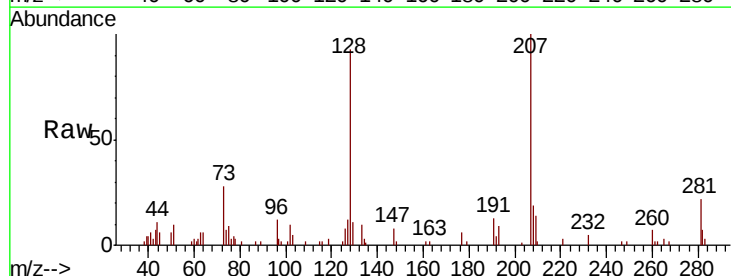
Tgt Ion:128 Resp: 17941

Ion Ratio Lower Upper

128 100

127 11.6 10.2 15.2

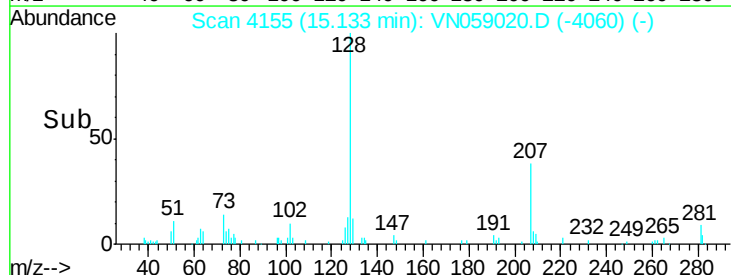
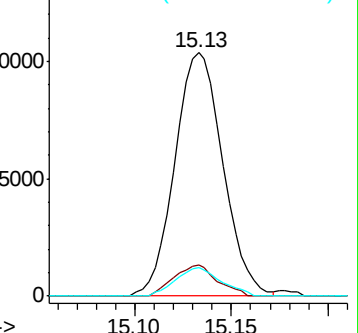
129 10.9 8.4 12.6

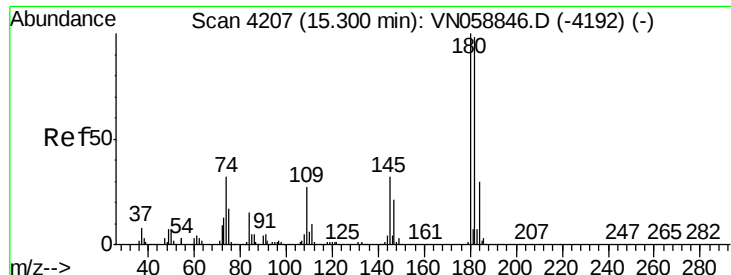


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 3.149 ug/l
 RT: 15.30 min Scan# 4207
 Delta R.T. 0.00 min
 Lab File: VN059020.D
 Acq: 30 Oct 2019 11:16

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.7	47.9	143.7
145	41.9	15.9	47.7

