

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN113018\
 Data File : VN052610.D
 Acq On : 30 Nov 2018 16:41
 Operator : MD\SY
 Sample : PB115186ZHE#08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB115186ZHE#08

Quant Time: Dec 01 01:02:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 28 01:11:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1170170	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1800767	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1585285	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	602962	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	610499	47.92	ug/l	0.00
Spiked Amount			Recovery	=	95.84%	
35) Dibromofluoromethane	7.59	113	542696	48.88	ug/l	0.00
Spiked Amount			Recovery	=	97.76%	
50) Toluene-d8	10.09	98	2205431	51.03	ug/l	0.00
Spiked Amount			Recovery	=	102.06%	
62) 4-Bromofluorobenzene	12.40	95	690053	47.52	ug/l	0.00
Spiked Amount			Recovery	=	95.04%	

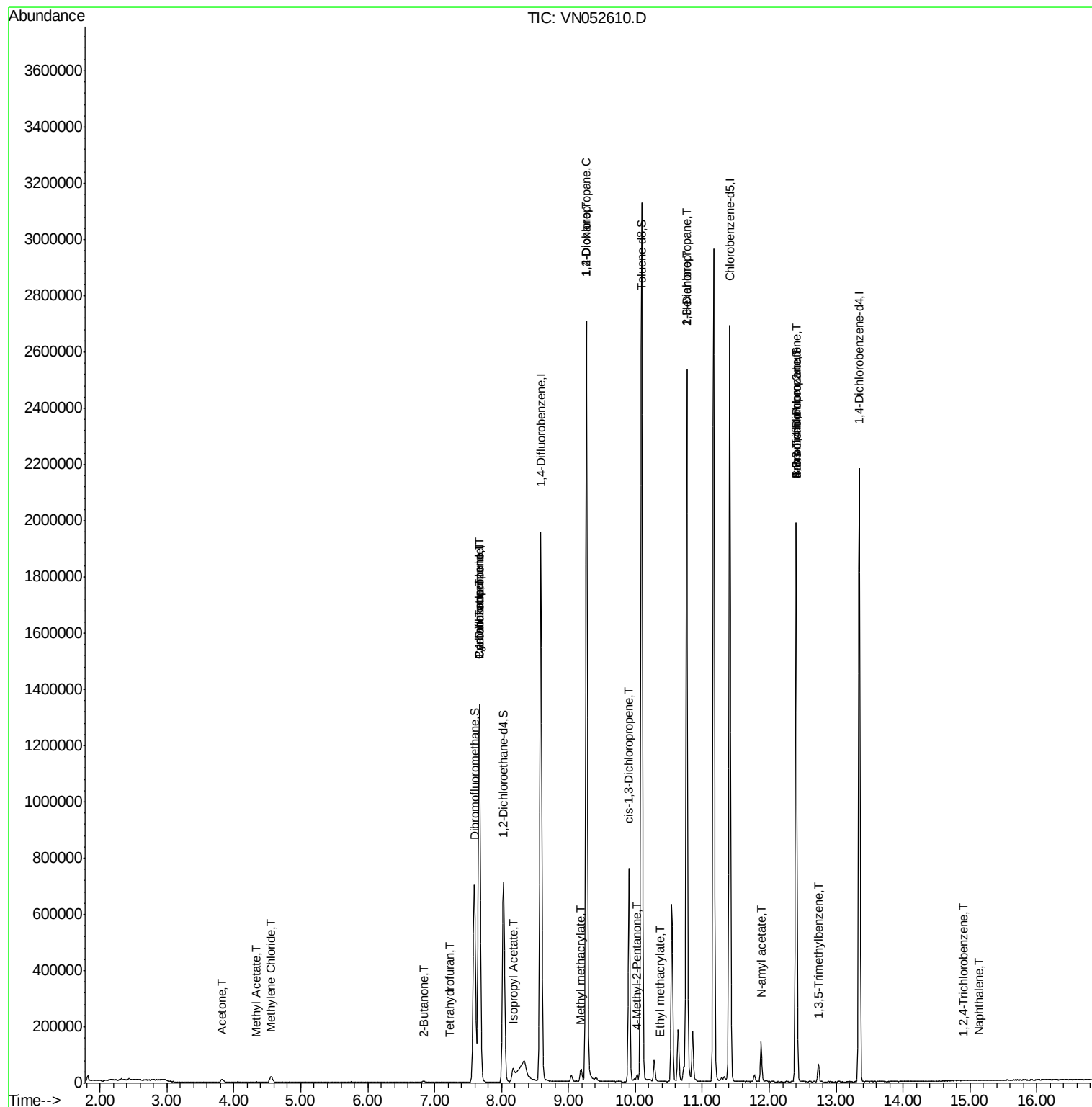
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	21571	6.419	ug/l	96
18) Methyl Acetate	4.34	43	4430	0.460	ug/l #	85
20) Methylene Chloride	4.55	84	15363	1.168	ug/l	97
25) 2-Butanone	6.85	43	2255	0.473	ug/l #	89
29) Tetrahydrofuran	7.22	42	1963	0.639	ug/l #	59
31) Cyclohexane	7.66	56	20659	0.581	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	80994	4.763	ug/l #	50
38) Carbon Tetrachloride	7.67	117	101109	6.568	ug/l #	16
43) Isopropyl Acetate	8.17	43	67887	3.865	ug/l #	77
45) 1,2-Dichloropropane	9.27	63	3442	0.255	ug/l #	43
48) Methyl methacrylate	9.18	41	16069	1.755	ug/l #	13
49) 1,4-Dioxane	9.27	88	254	2.672	ug/l #	1
51) 4-Methyl-2-Pentanone	10.03	43	21179	2.149	ug/l #	36
54) cis-1,3-Dichloropropene	9.90	75	140287	7.504	ug/l #	62
56) Ethyl methacrylate	10.38	69	159	2.703	ug/l #	25
57) 1,3-Dichloropropane	10.77	76	25741	1.376	ug/l #	43
59) 2-Hexanone	10.77	43	365562	55.275	ug/l #	51
71) Bromoform	12.40	173	4194	0.557	ug/l #	1
74) N-amyl acetate	11.88	43	44667	3.737	ug/l #	52
76) 1,2,3-Trichloropropane	12.40	75	332989	35.813	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	34538	0.915	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.40	75	332989	119.598	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.91	180	63	2.835	ug/l #	1
95) Naphthalene	15.14	128	558	3.451	ug/l #	86

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

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Quant Title : SW846 8260
QLast Update : Wed Nov 28 01:11:38 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052610.D

Acq: 30 Nov 2018 16:41

Instrument :

MSVOA_N

ClientSampleId :

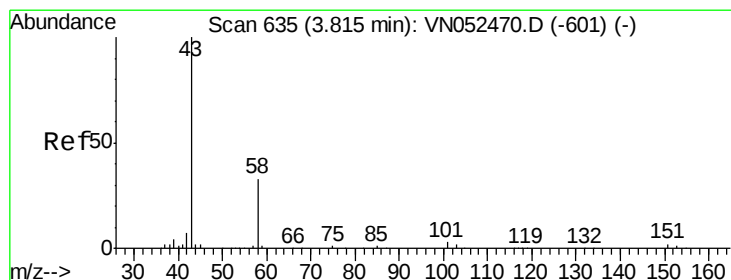
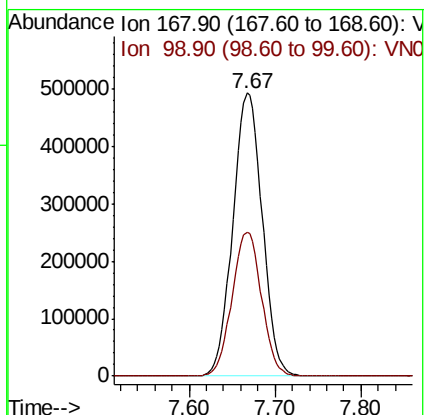
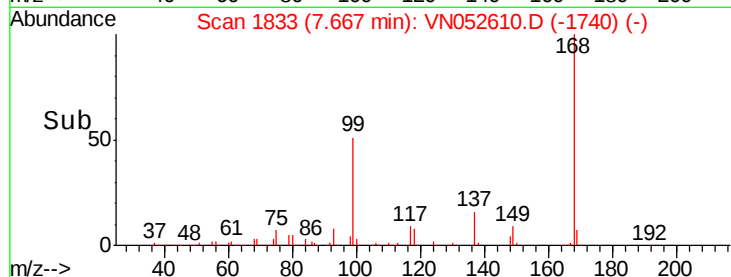
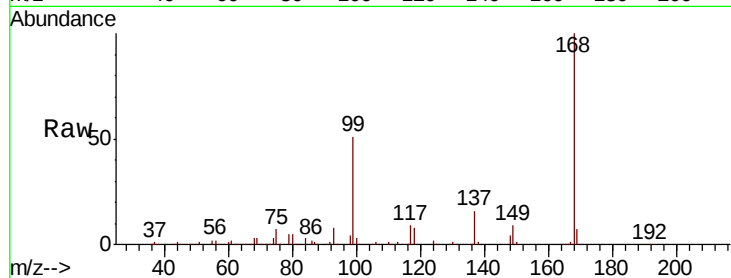
PB115186ZHE#08

Tot Ion:168 Resp: 1170170

Ion Ratio Lower Upper

168 100

99 51.0 41.7 62.5



#16

Acetone

Concen: 6.419 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN052610.D

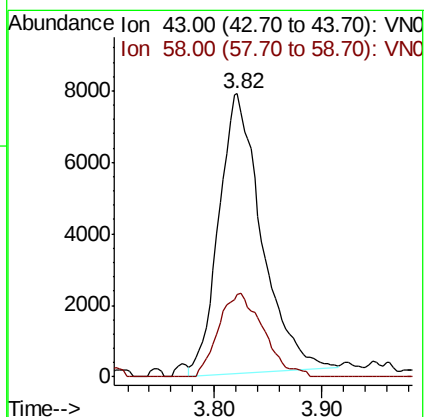
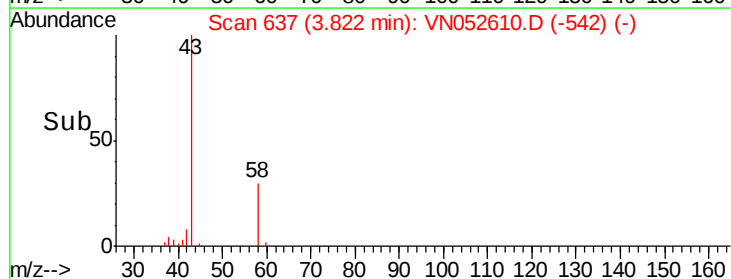
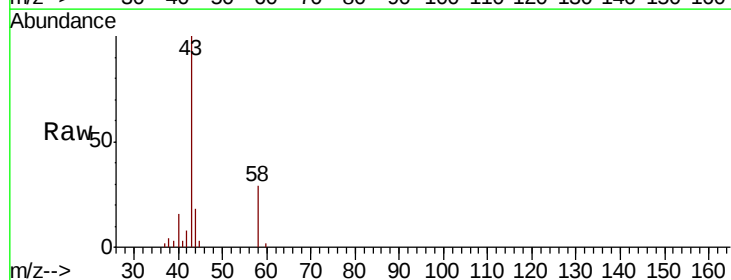
Acq: 30 Nov 2018 16:41

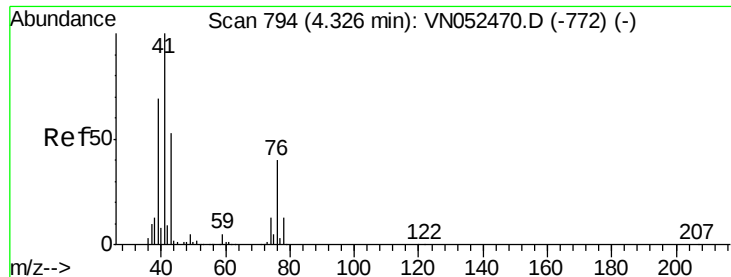
Tgt Ion: 43 Resp: 21571

Ion Ratio Lower Upper

43 100

58 30.2 26.0 39.0

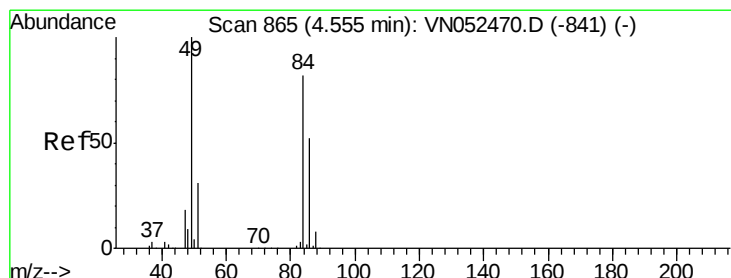
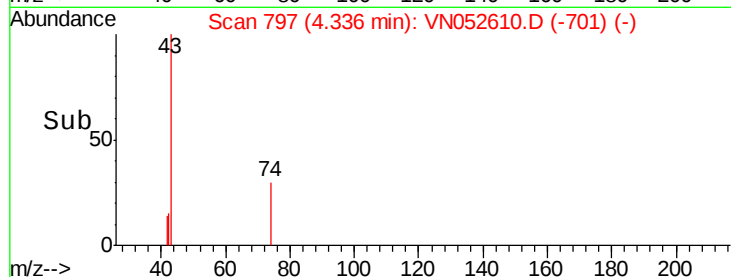
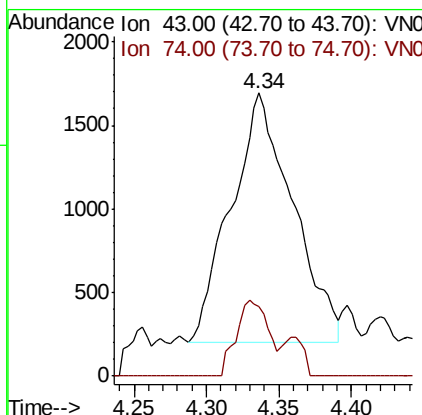
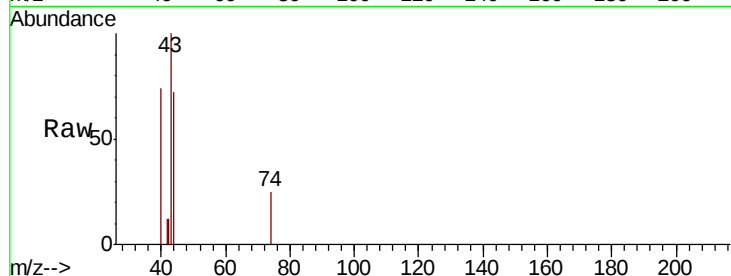




#18
Methvl Acetate
Concen: 0.460 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN052610.D
Acq: 30 Nov 2018 16:41

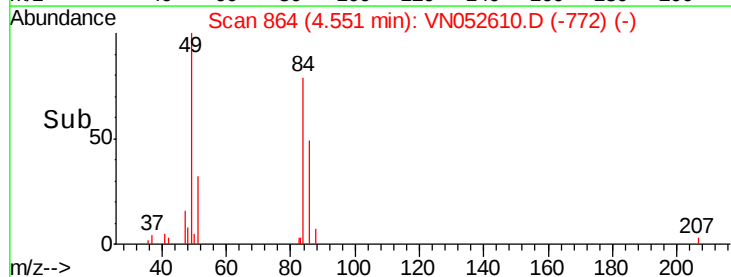
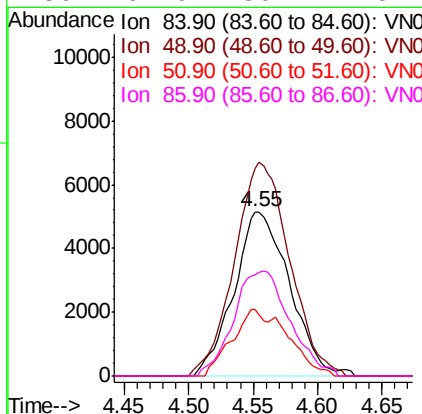
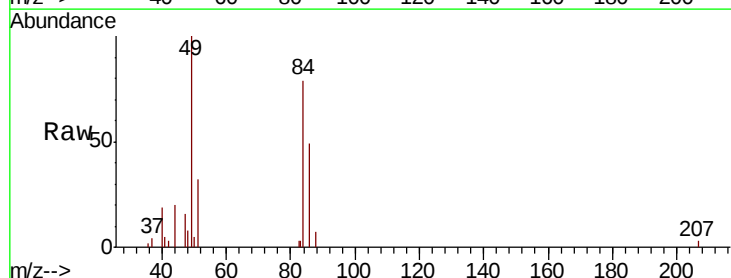
Instrument :
MSVOA_N
ClientSampleId :
PB115186ZHE#08

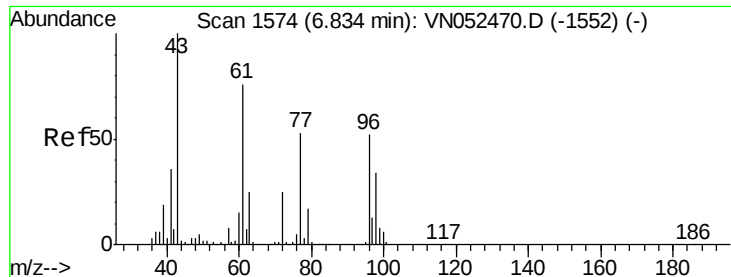
Tot Ion: 43 Resp: 4430
Ion Ratio Lower Upper
43 100
74 15.7 18.6 27.8#



#20
Methylene Chloride
Concen: 1.168 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN052610.D
Acq: 30 Nov 2018 16:41

Tgt Ion: 84 Resp: 15363
Ion Ratio Lower Upper
84 100
49 126.4 98.0 147.0
51 40.6 30.1 45.1
86 61.9 50.7 76.1

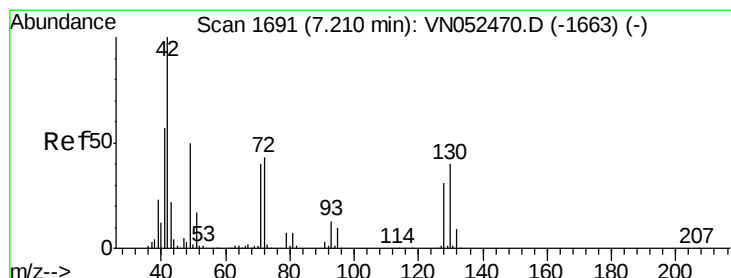
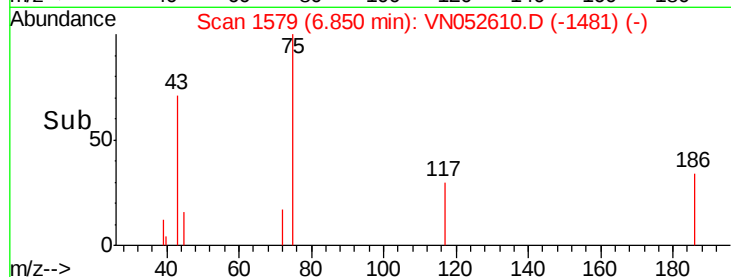
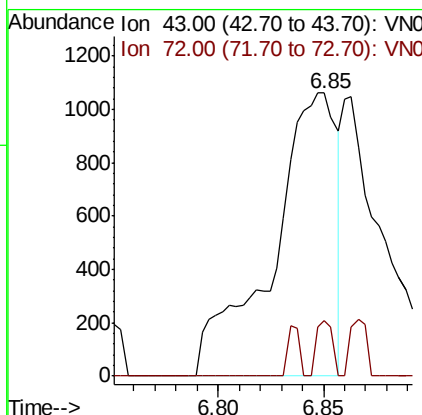
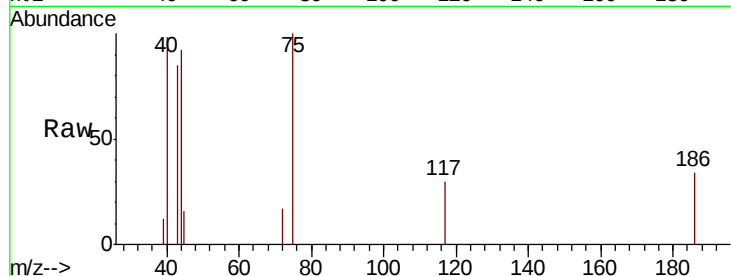




#25
2-Butanone
Concen: 0.473 ug/l
RT: 6.85 min Scan# 1579
Delta R.T. 0.02 min
Lab File: VN052610.D
Acq: 30 Nov 2018 16:41

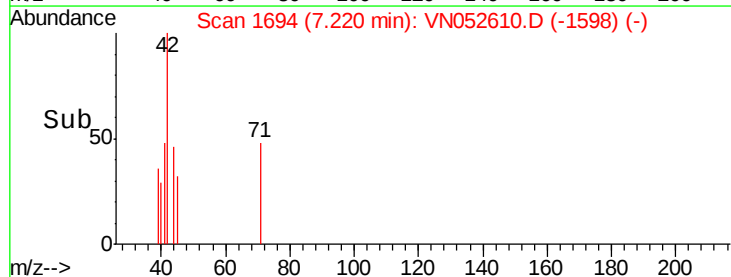
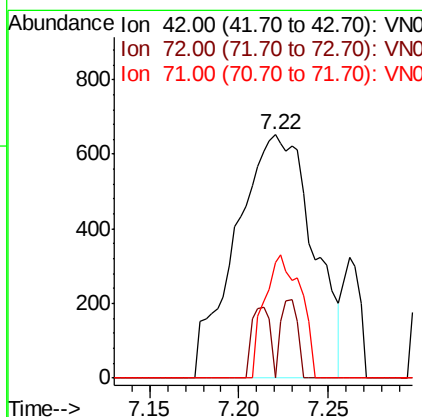
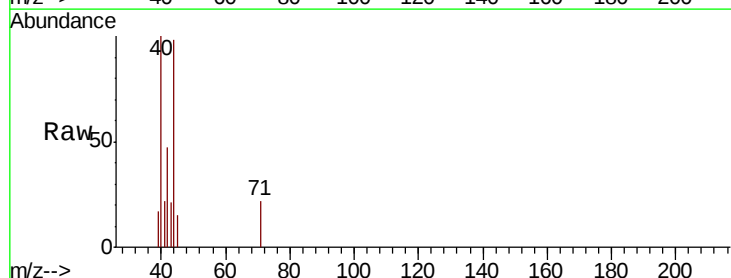
Instrument :
MSVOA_N
ClientSampleId :
PB115186ZHE#08

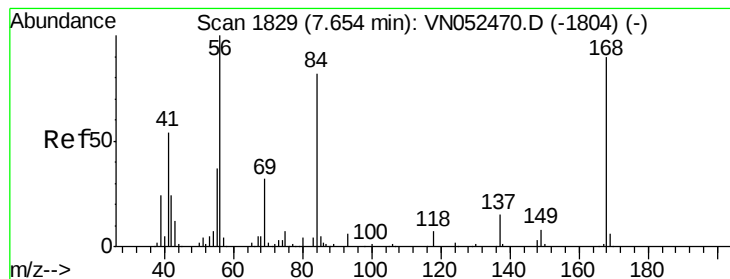
Tot Ion: 43 Resp: 2255
Ion Ratio Lower Upper
43 100
72 19.7 20.1 30.1#



#29
Tetrahydrofuran
Concen: 0.639 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.01 min
Lab File: VN052610.D
Acq: 30 Nov 2018 16:41

Tgt Ion: 42 Resp: 1963
Ion Ratio Lower Upper
42 100
72 7.1 33.3 49.9#
71 24.0 32.0 48.0#





#31

Cyclohexane

Concen: 0.581 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN052610.D

Acq: 30 Nov 2018 16:41

Instrument :

MSVOA_N

ClientSampleId :

PB115186ZHE#08

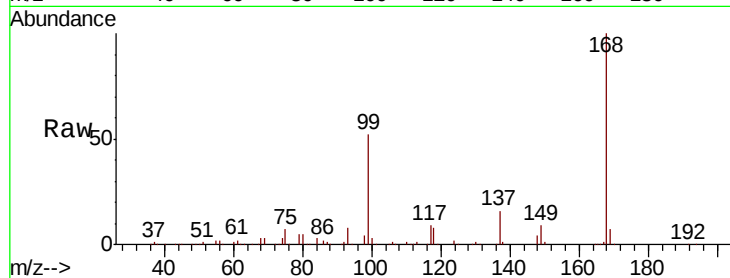
Tot Ion: 56 Resp: 20659

Ion Ratio Lower Upper

56 100

69 180.3 25.8 38.6#

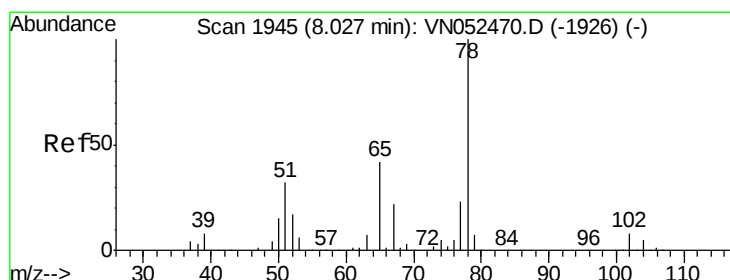
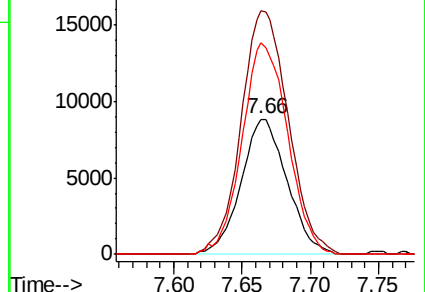
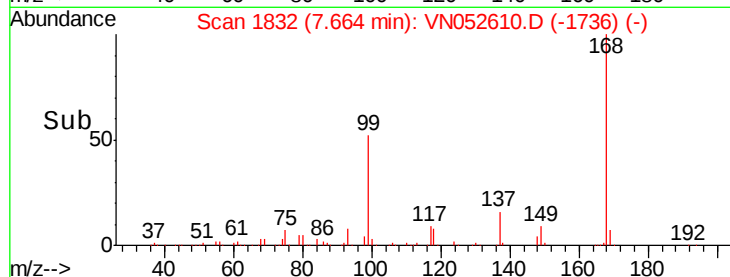
84 156.9 65.3 97.9#



Abundance Ion 56.00 (55.70 to 56.70): VN052610.D (-1736) (-)

Ion 69.00 (68.70 to 69.70): VN052610.D (-1736) (-)

Ion 84.00 (83.70 to 84.70): VN052610.D (-1736) (-)



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN052610.D

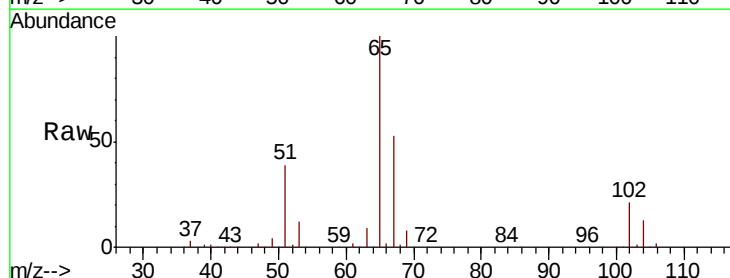
Acq: 30 Nov 2018 16:41

Tgt Ion: 65 Resp: 610499

Ion Ratio Lower Upper

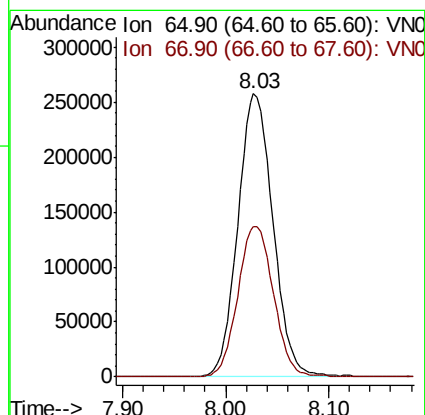
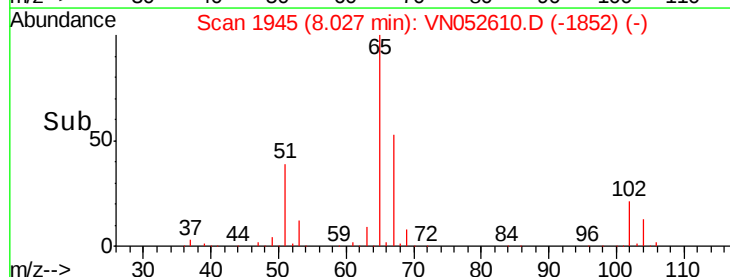
65 100

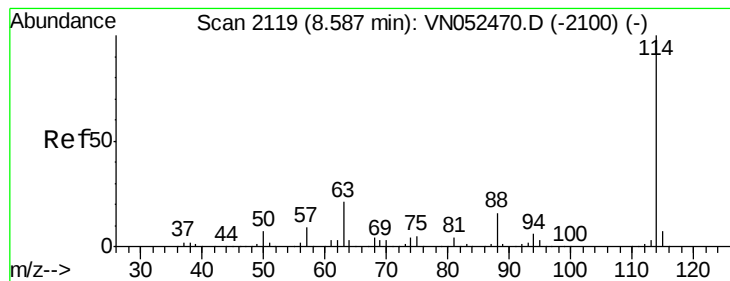
67 54.2 0.0 109.8



Abundance Ion 64.90 (64.60 to 65.60): VN052610.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN052610.D (-1852) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN052610.D

Acq: 30 Nov 2018 16:41

Instrument :

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ClientSampleId :

PB115186ZHE#08

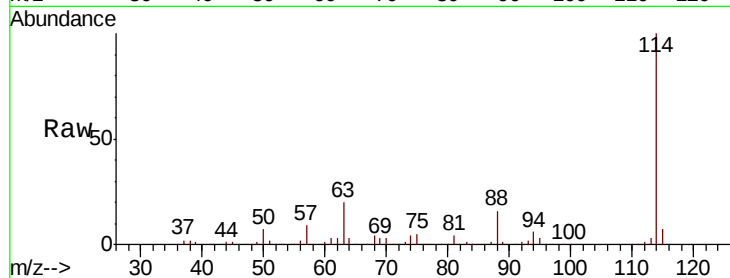
Tot Ion:114 Resp: 1800767

Ion Ratio Lower Upper

114 100

63 20.0 0.0 41.8

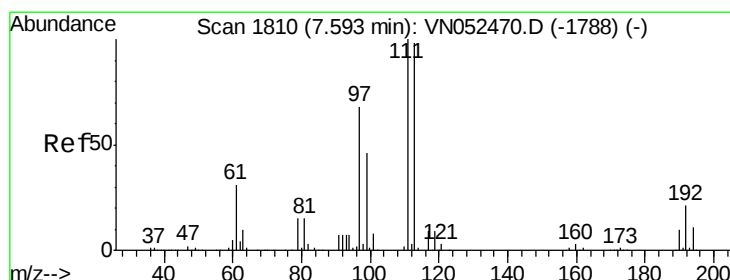
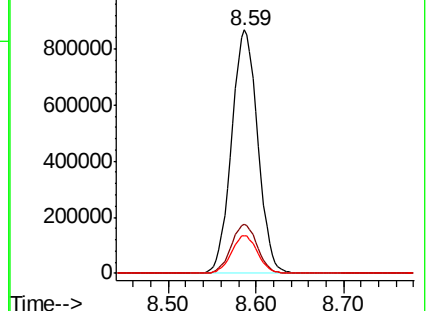
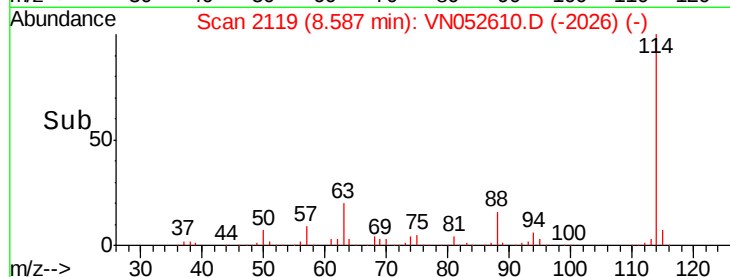
88 15.7 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN052610.D

Acq: 30 Nov 2018 16:41

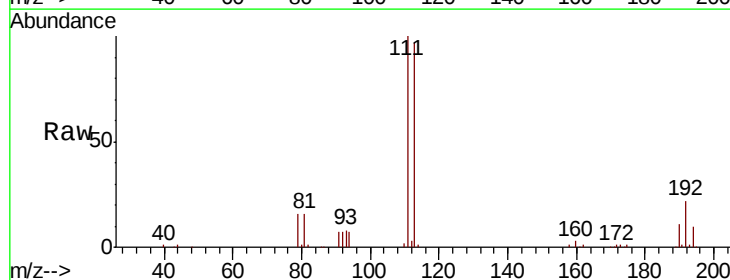
Tgt Ion:113 Resp: 542696

Ion Ratio Lower Upper

113 100

111 104.1 82.0 123.0

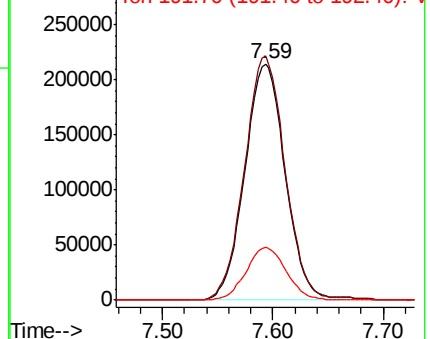
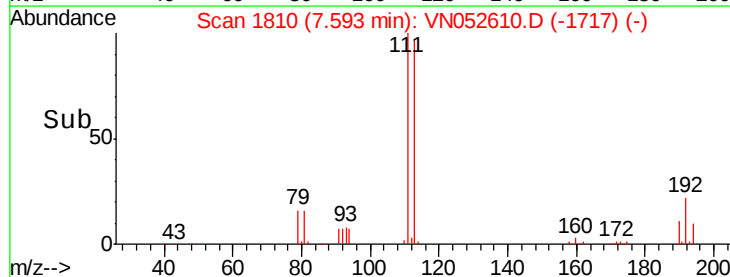
192 22.3 17.0 25.6

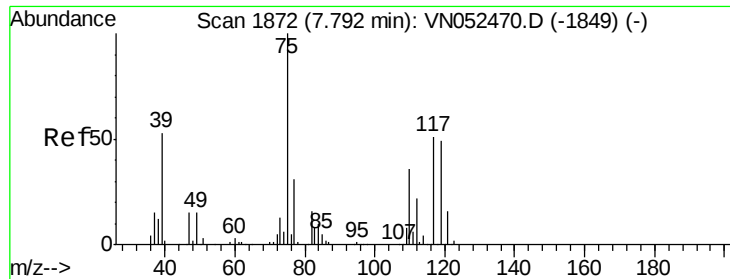


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.763 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN052610.D

Acq: 30 Nov 2018 16:41

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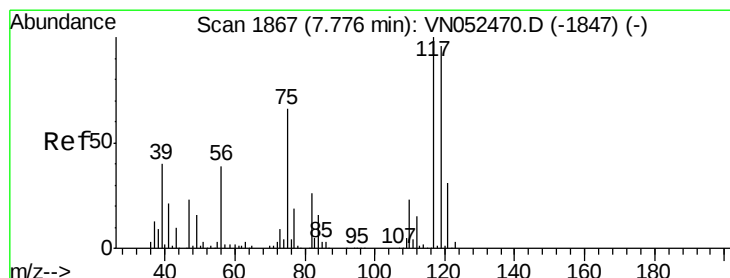
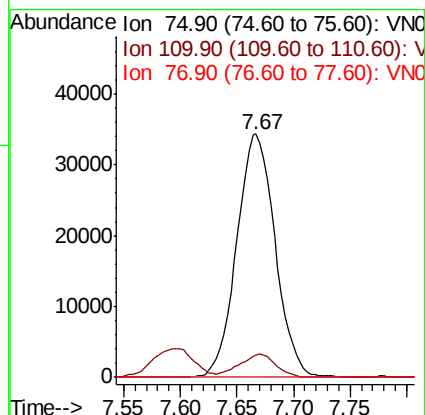
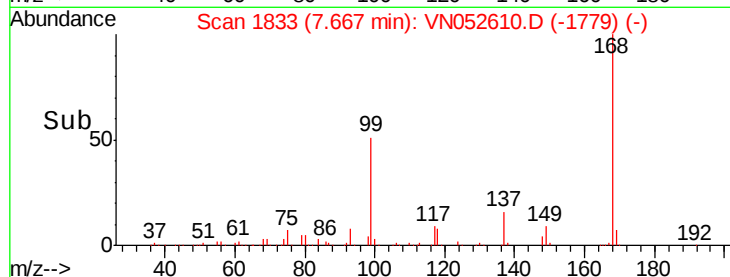
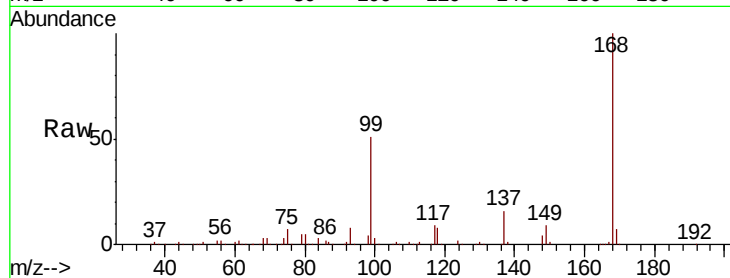
Tot Ion: 75 Resp: 80994

Ion Ratio Lower Upper

75 100

110 9.0 17.5 52.6#

77 0.0 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 6.568 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052610.D

Acq: 30 Nov 2018 16:41

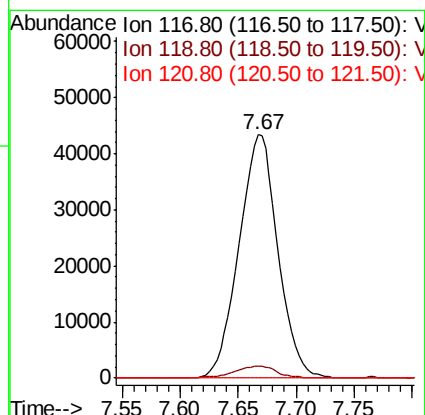
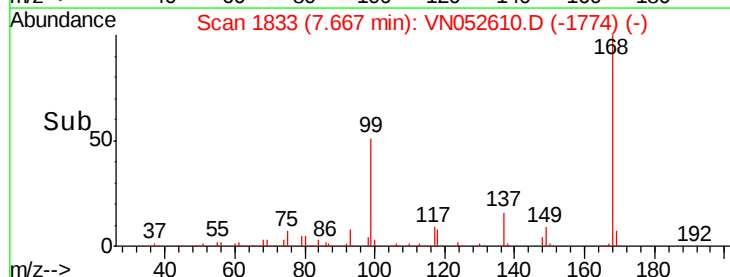
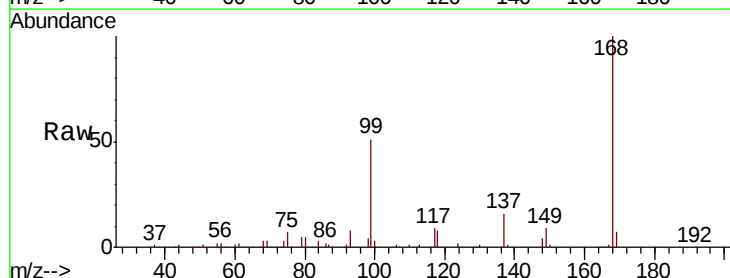
Tgt Ion: 117 Resp: 101109

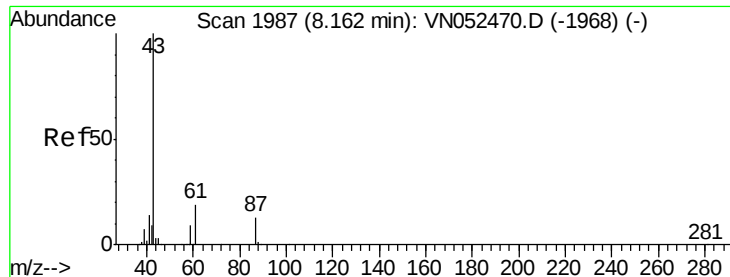
Ion Ratio Lower Upper

117 100

119 4.9 76.8 115.2#

121 0.0 24.9 37.3#





#43

Isopropyl Acetate

Concen: 3.865 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.01 min

Lab File: VN052610.D

Acq: 30 Nov 2018 16:41

Instrument :

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PB115186ZHE#08

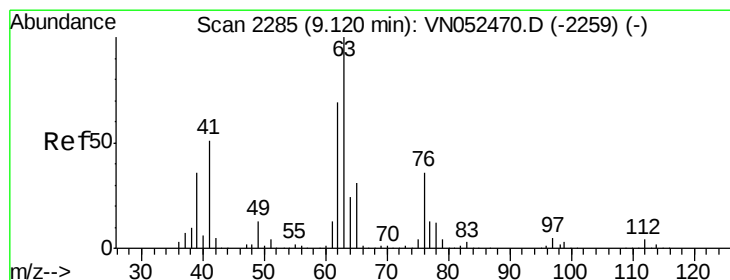
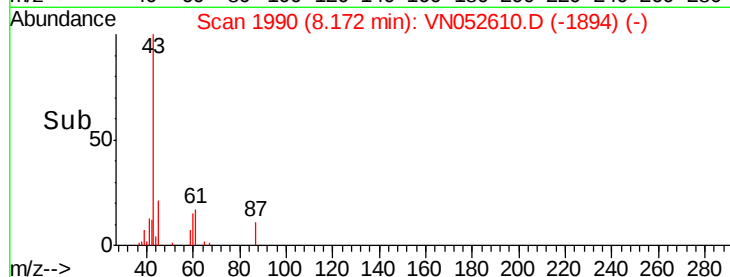
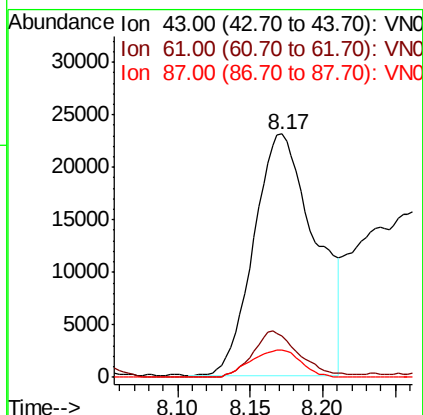
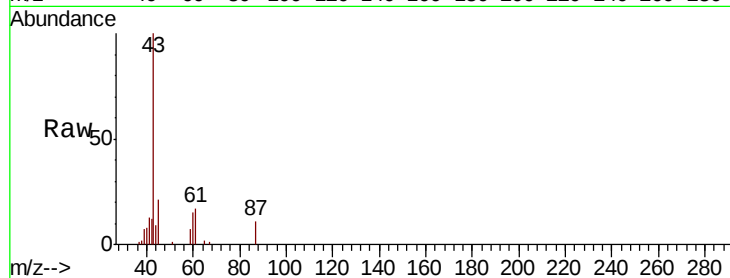
Tot Ion: 43 Resp: 67887

Ion Ratio Lower Upper

43 100

61 14.5 24.1 36.1#

87 9.2 10.6 15.8#



#45

1,2-Dichloropropane

Concen: 0.255 ug/l

RT: 9.27 min Scan# 2331

Delta R.T. 0.15 min

Lab File: VN052610.D

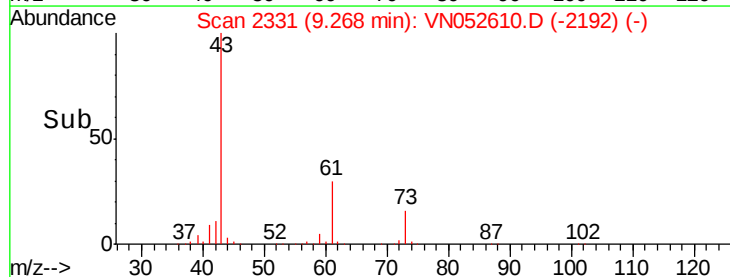
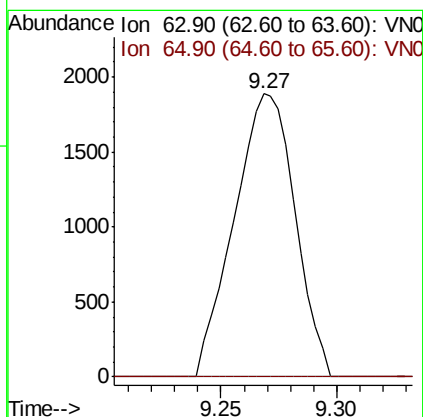
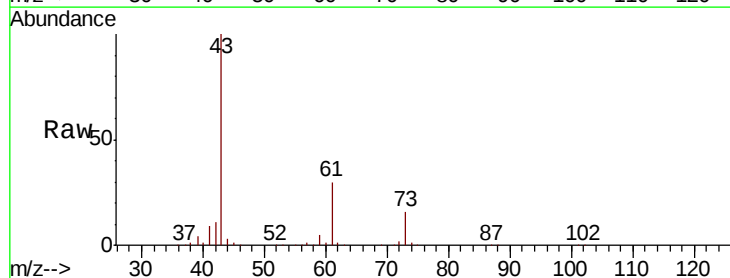
Acq: 30 Nov 2018 16:41

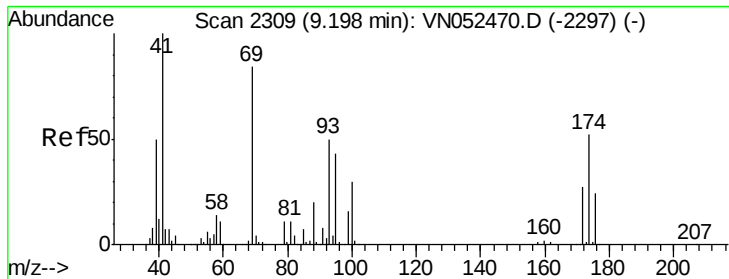
Tgt Ion: 63 Resp: 3442

Ion Ratio Lower Upper

63 100

65 0.0 25.0 37.6#

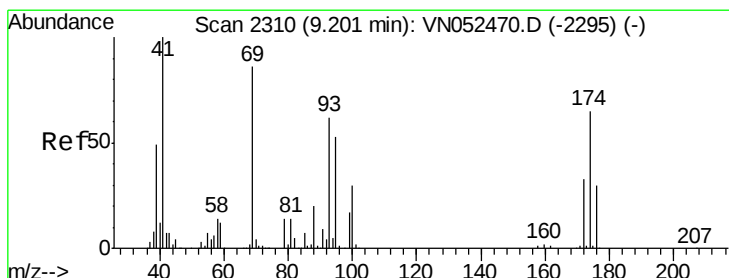
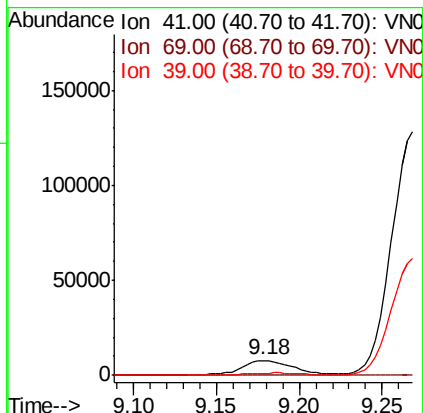
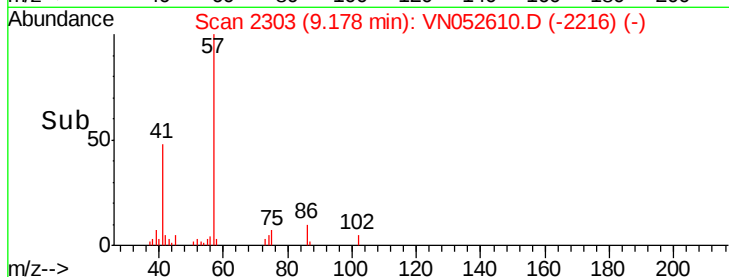
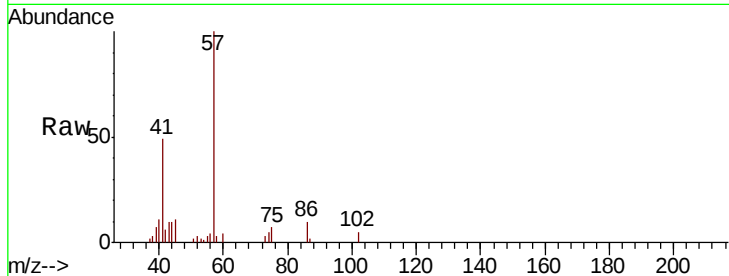




#48
Methvl methacrylate
Concen: 1.755 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.02 min
Lab File: VN052610.D
Acq: 30 Nov 2018 16:41

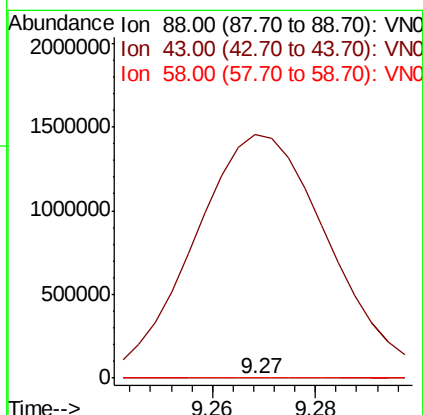
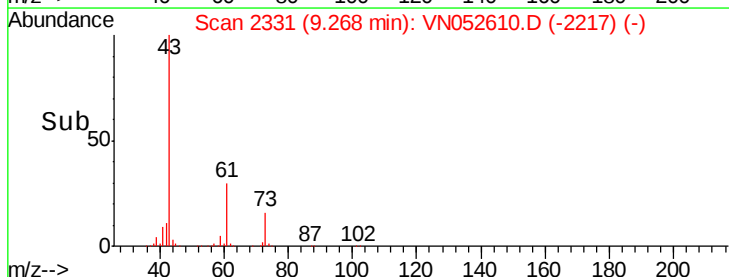
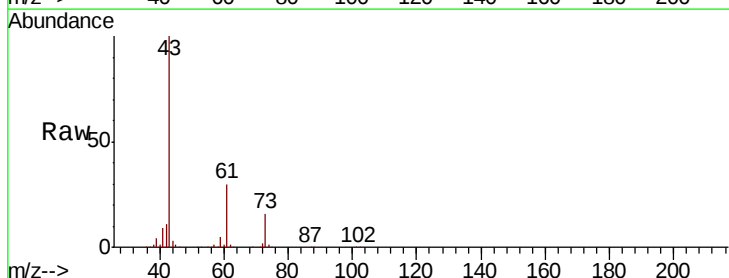
Instrument :
MSVOA_N
ClientSampleId :
PB115186ZHE#08

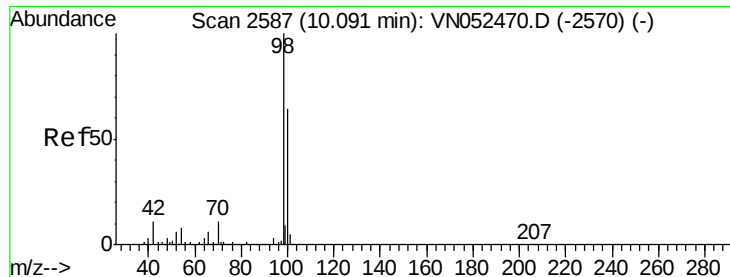
Tot Ion: 41 Resp: 16069
Ion Ratio Lower Upper
41 100
69 0.0 70.0 105.0#
39 0.0 42.6 64.0#



#49
1,4-Dioxane
Concen: 2.672 ug/l
RT: 9.27 min Scan# 2331
Delta R.T. 0.07 min
Lab File: VN052610.D
Acq: 30 Nov 2018 16:41

Tgt Ion: 88 Resp: 254
Ion Ratio Lower Upper
88 100
43 1069637.8 26.4 39.6#
58 4612.6 55.4 83.0#





#50

Toluene-d8

Concen: 2.672 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052610.D

Acq: 30 Nov 2018 16:41

Instrument :

MSVOA_N

ClientSampleId :

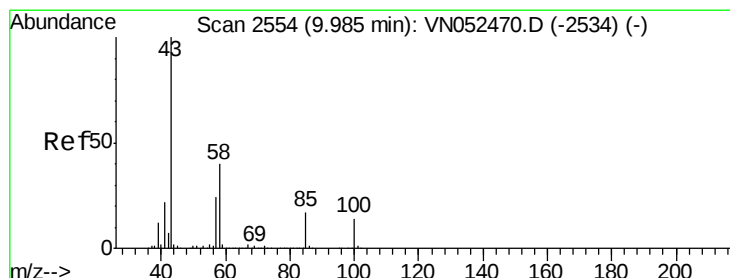
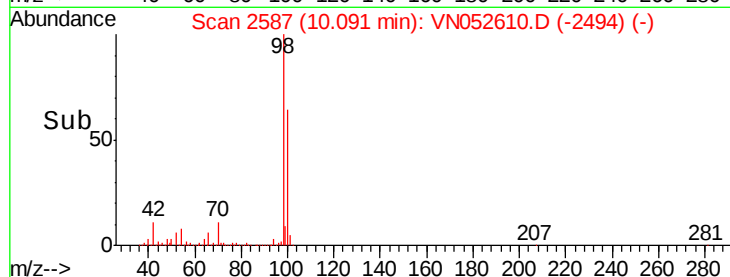
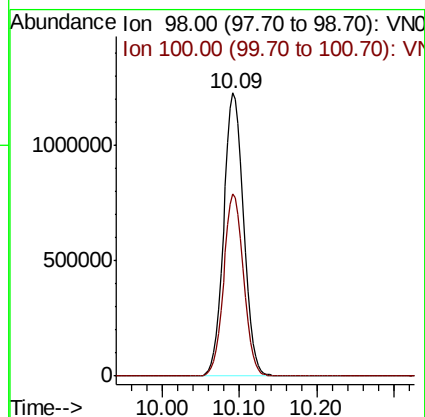
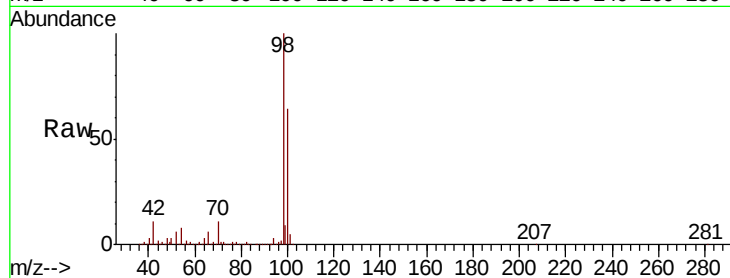
PB115186ZHE#08

Tot Ion: 98 Resp: 2205431

Ion Ratio Lower Upper

98 100

100 64.0 51.3 76.9



#51

4-Methyl-2-Pentanone

Concen: 2.149 ug/l

RT: 10.03 min Scan# 2567

Delta R.T. 0.04 min

Lab File: VN052610.D

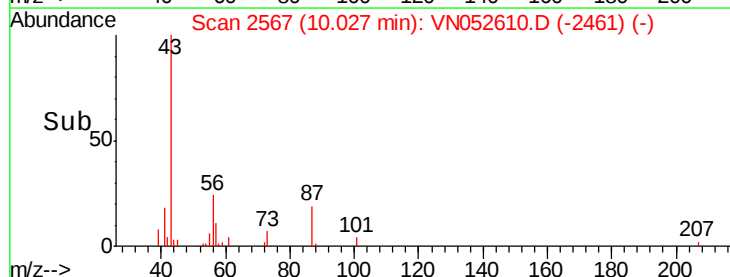
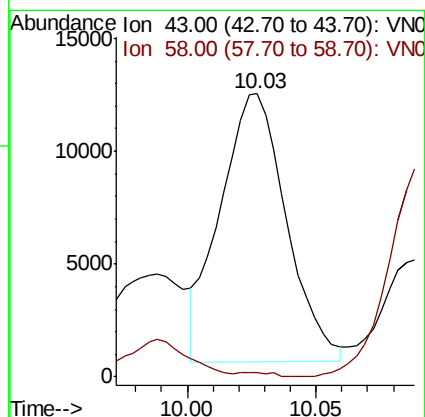
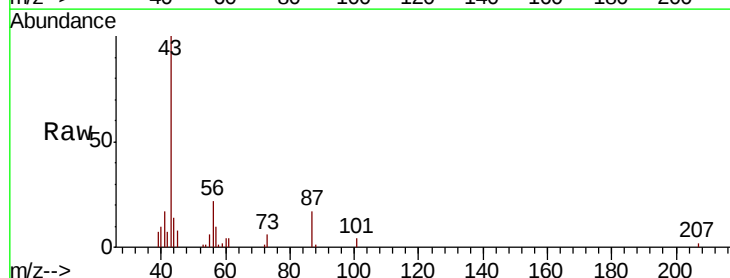
Acq: 30 Nov 2018 16:41

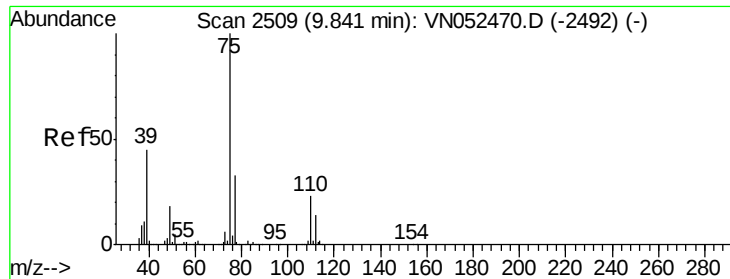
Tgt Ion: 43 Resp: 21179

Ion Ratio Lower Upper

43 100

58 0.0 31.5 47.3#





#54

cis-1,3-Dichloropropene

Concen: 7.504 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN052610.D

Acq: 30 Nov 2018 16:41

Instrument :

MSVOA_N

ClientSampleId :

PB115186ZHE#08

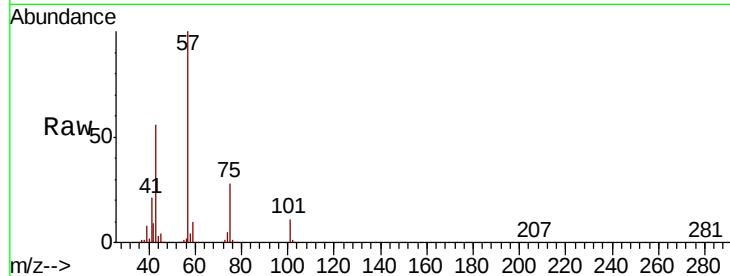
Tot Ion: 75 Resp: 140287

Ion Ratio Lower Upper

75 100

77 0.4 26.2 39.2#

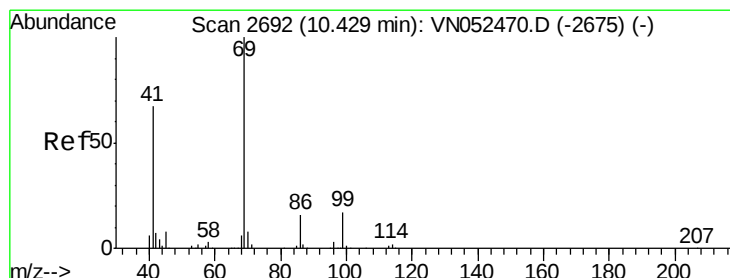
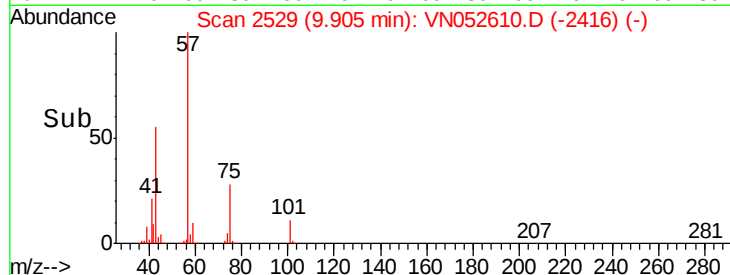
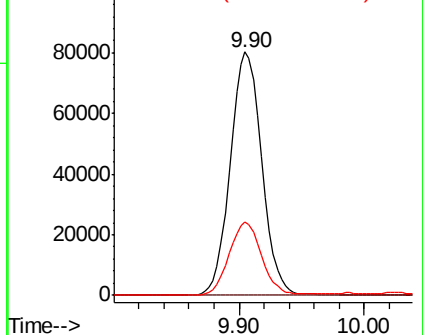
39 29.9 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



#56

Ethyl methacrylate

Concen: 2.703 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.05 min

Lab File: VN052610.D

Acq: 30 Nov 2018 16:41

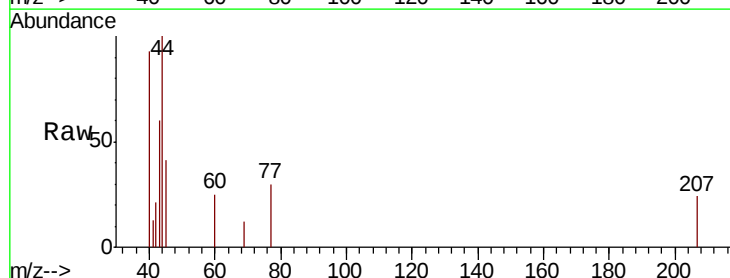
Tgt Ion: 69 Resp: 159

Ion Ratio Lower Upper

69 100

41 0.0 52.6 79.0#

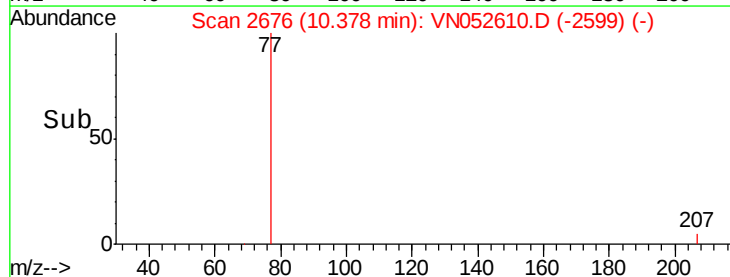
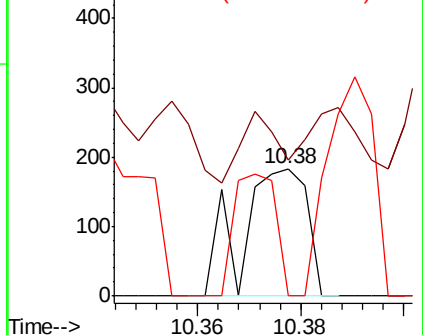
39 0.0 25.9 38.9#

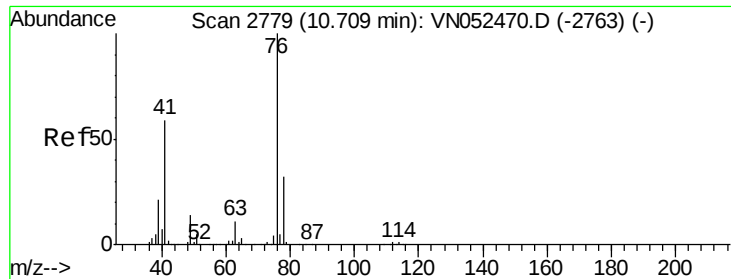


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

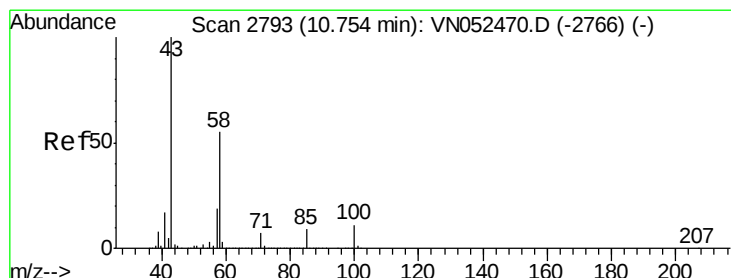
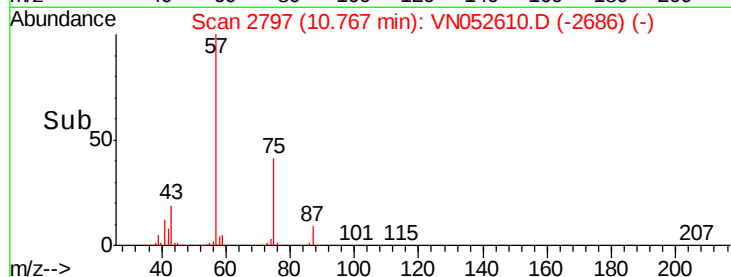
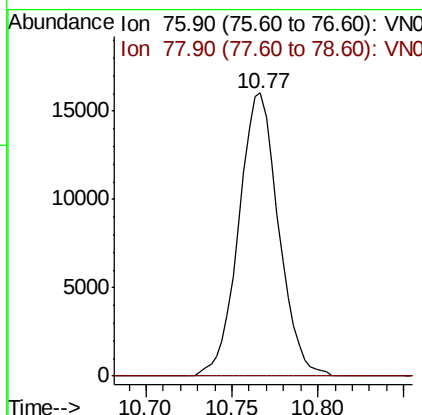
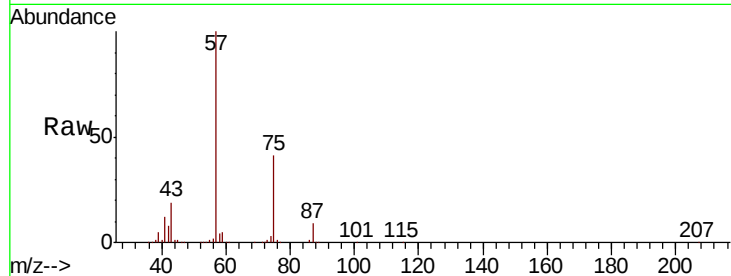




#57
 1,3-Dichloropropane
 Concen: 1.376 ug/l
 RT: 10.77 min Scan# 2797
 Delta R.T. 0.06 min
 Lab File: VN052610.D
 Acq: 30 Nov 2018 16:41

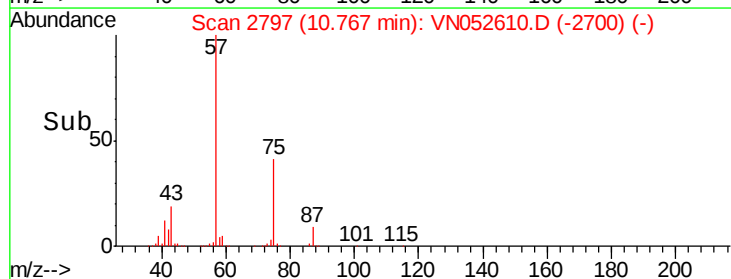
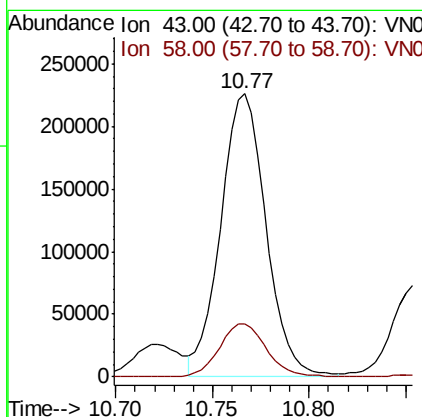
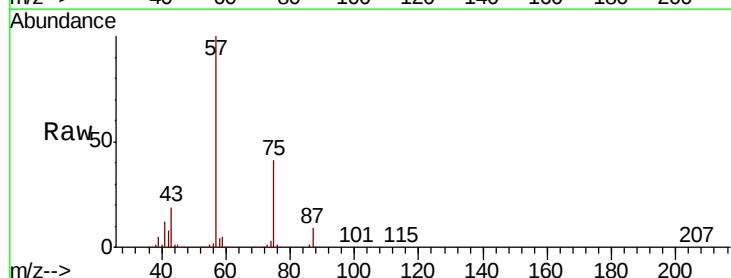
Instrument :
 MSVOA_N
 ClientSampleId :
 PB115186ZHE#08

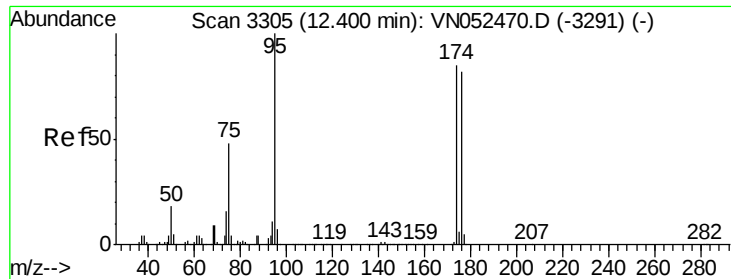
Tot Ion: 76 Resp: 25741
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.6 38.4#



#59
 2-Hexanone
 Concen: 55.275 ug/l
 RT: 10.77 min Scan# 2797
 Delta R.T. 0.01 min
 Lab File: VN052610.D
 Acq: 30 Nov 2018 16:41

Tgt Ion: 43 Resp: 365562
 Ion Ratio Lower Upper
 43 100
 58 19.6 27.4 82.0#





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN052610.D

Acq: 30 Nov 2018 16:41

Instrument :

MSVOA_N

ClientSampleId :

PB115186ZHE#08

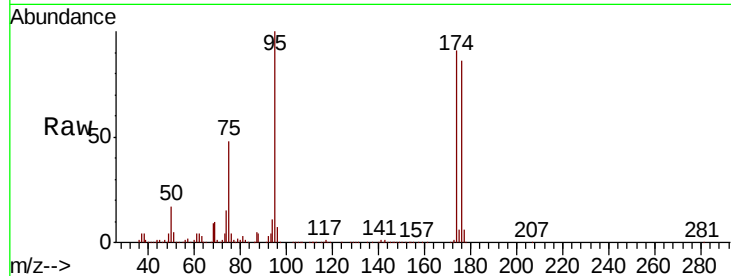
Tot Ion: 95 Resp: 690053

Ion Ratio Lower Upper

95 100

174 89.3 0.0 173.0

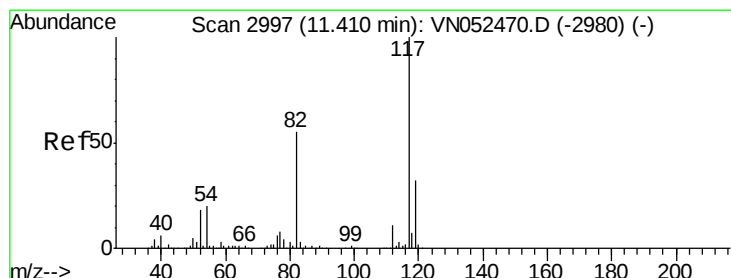
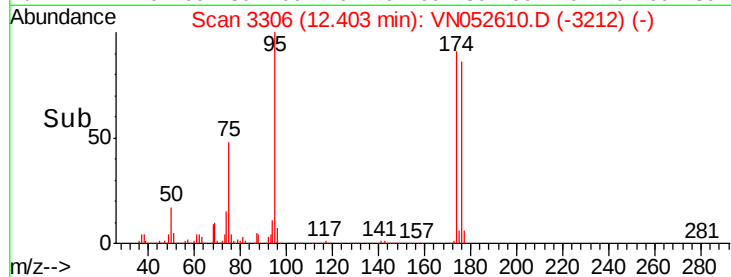
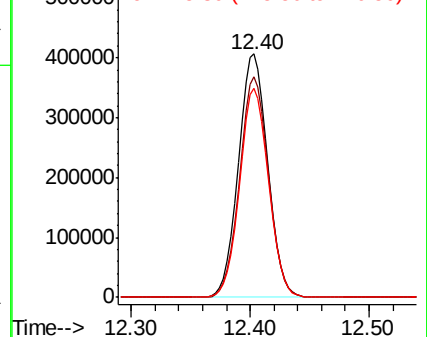
176 85.0 0.0 166.2



Abundance Ion 94.90 (94.60 to 95.60): VN052470.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN052470.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN052470.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN052610.D

Acq: 30 Nov 2018 16:41

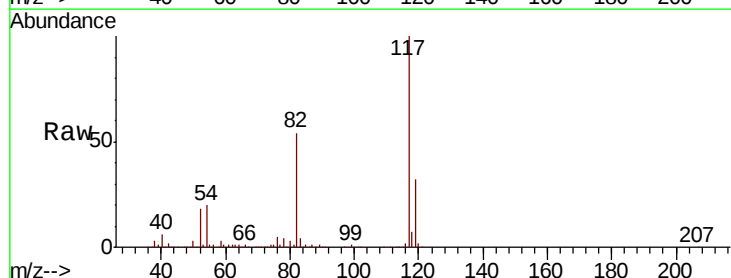
Tgt Ion: 117 Resp: 1585285

Ion Ratio Lower Upper

117 100

82 54.1 43.6 65.4

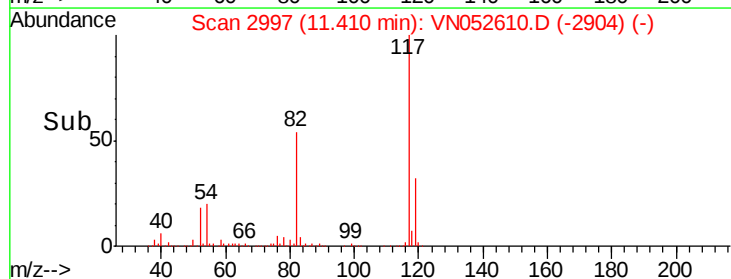
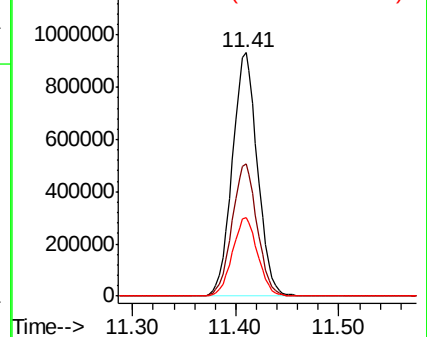
119 32.3 25.4 38.2

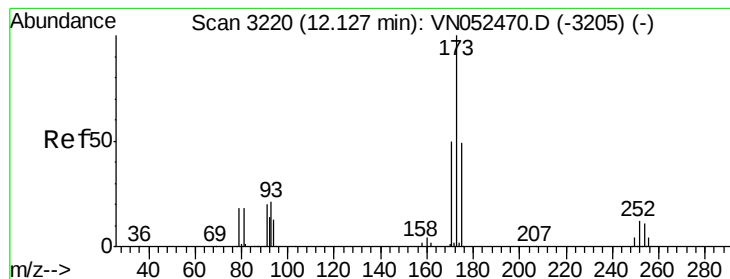


Abundance Ion 116.90 (116.60 to 117.60): VN052470.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN052470.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN052470.D (-2980) (-)





#71

Bromoform

Concen: 0.557 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN052610.D

Acq: 30 Nov 2018 16:41

Instrument :

MSVOA_N

ClientSampleId :

PB115186ZHE#08

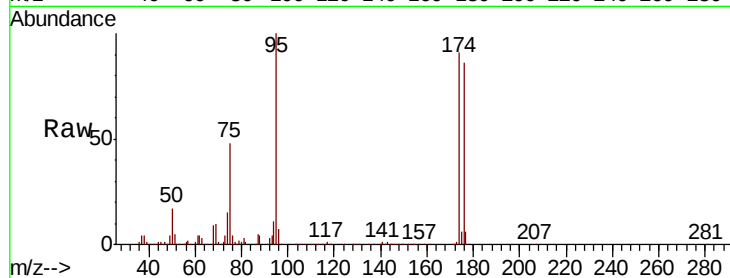
Tot Ion:173 Resp: 4194

Ion Ratio Lower Upper

173 100

175 894.5 24.4 73.2#

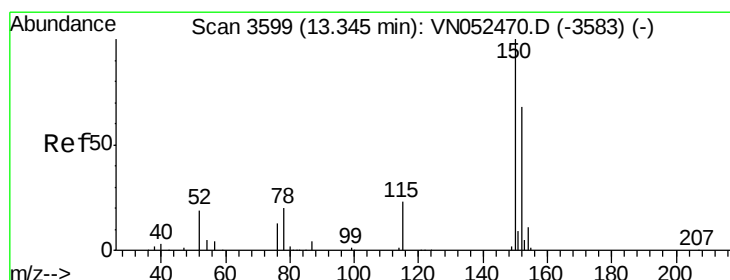
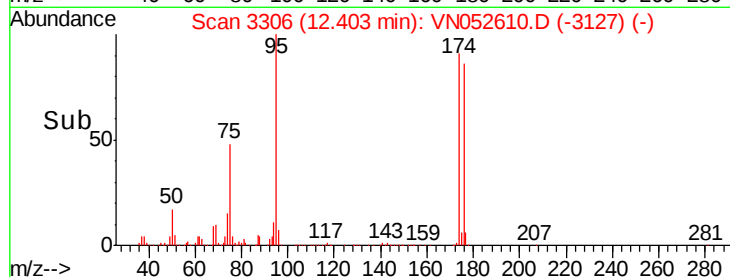
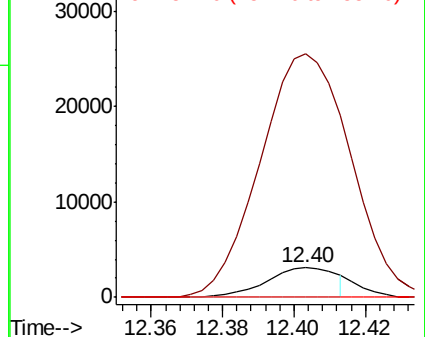
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN052610.D

Acq: 30 Nov 2018 16:41

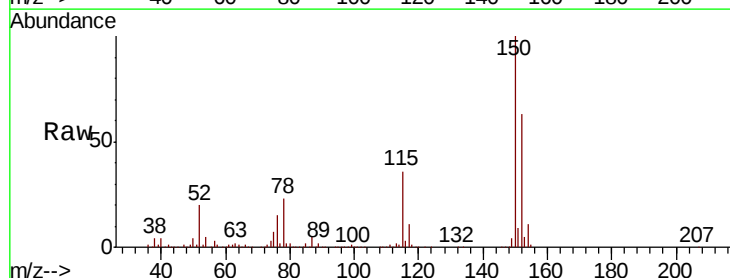
Tgt Ion:152 Resp: 602962

Ion Ratio Lower Upper

152 100

115 56.3 28.4 85.2

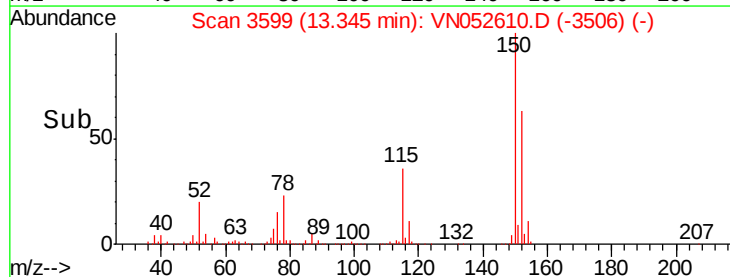
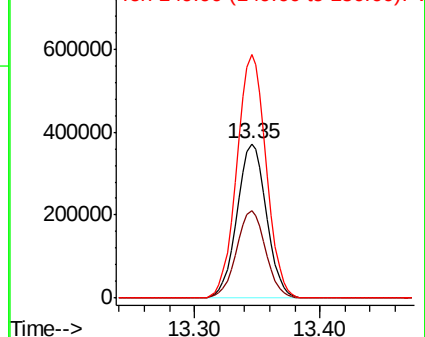
150 157.5 0.0 346.0

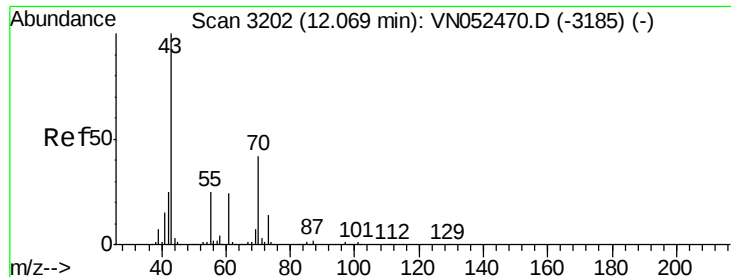


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

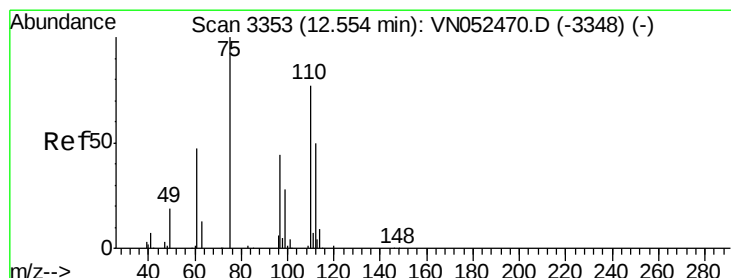
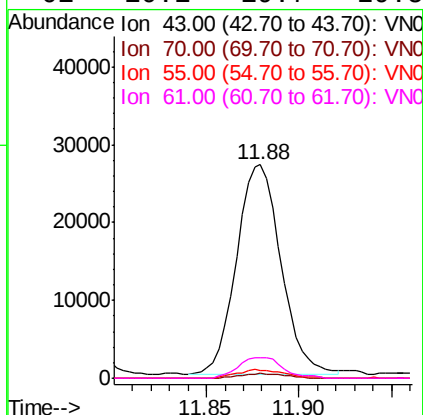
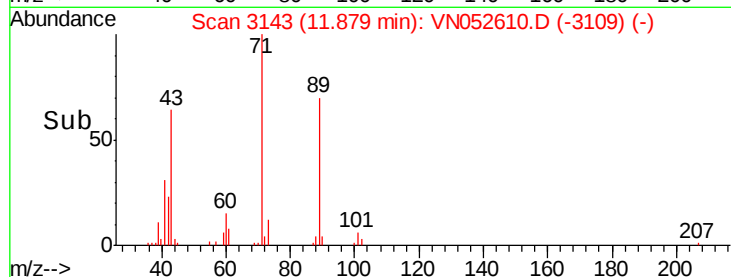
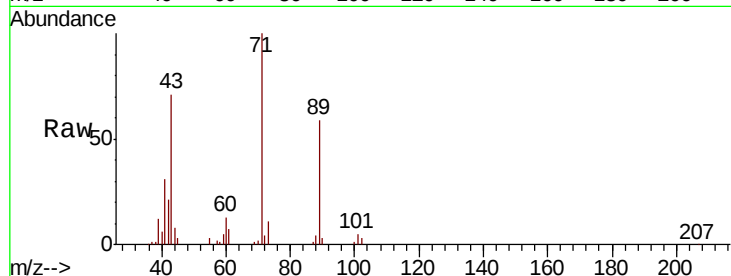




#74
N-amvl acetate
Concen: 3.737 ug/l
RT: 11.88 min Scan# 3143
Delta R.T. -0.19 min
Lab File: VN052610.D
Acq: 30 Nov 2018 16:41

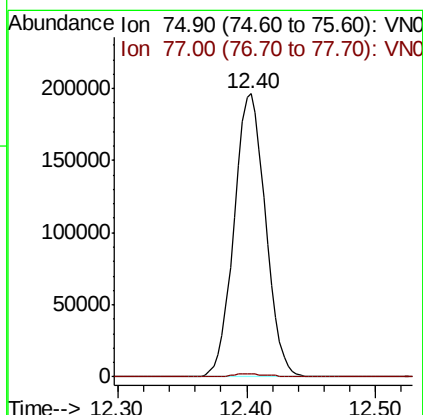
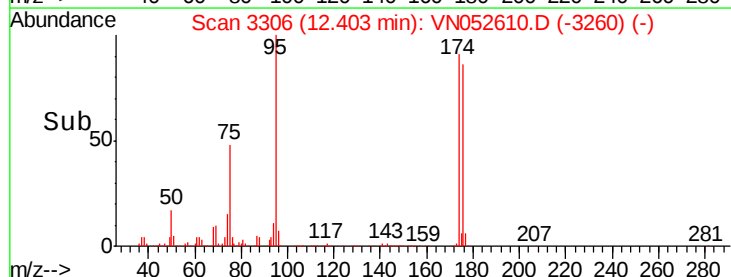
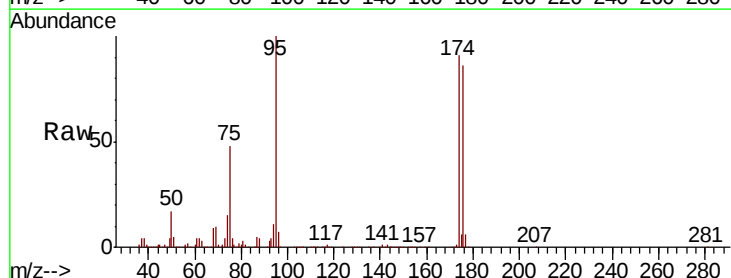
Instrument :
MSVOA_N
ClientSampleId :
PB115186ZHE#08

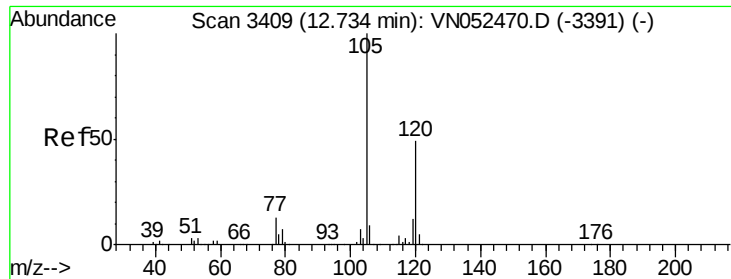
Tot Ion: 43 Resp: 44667
Ion Ratio Lower Upper
43 100
70 2.3 33.8 50.8#
55 4.4 20.0 30.0#
61 10.1 19.7 29.5#



#76
1,2,3-Trichloropropane
Concen: 35.813 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.15 min
Lab File: VN052610.D
Acq: 30 Nov 2018 16:41

Tgt Ion: 75 Resp: 332989
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#

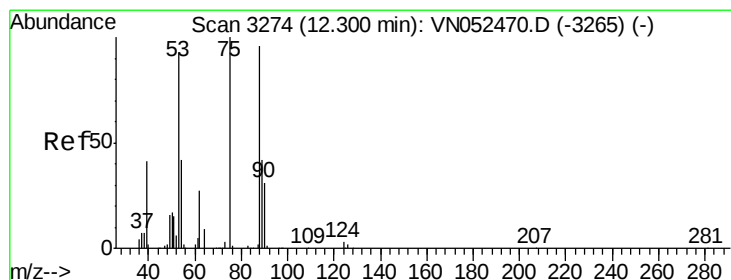
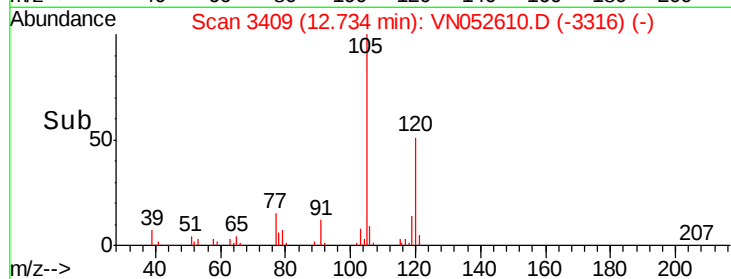
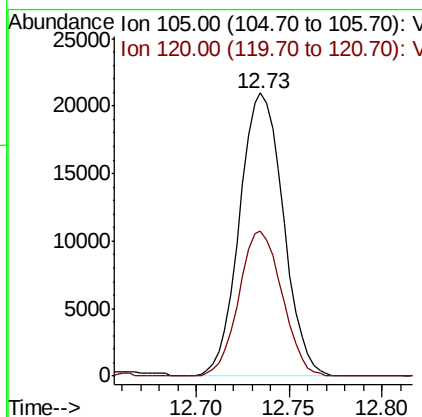
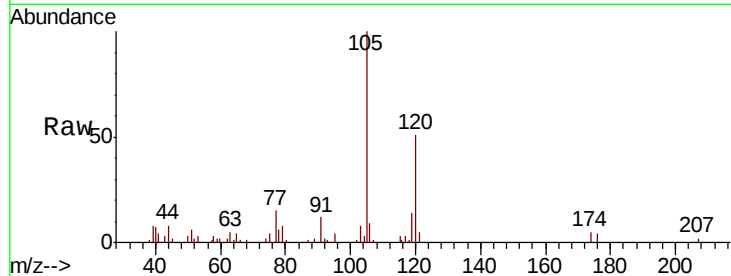




#80
 1,3,5-Trimethylbenzene
 Concen: 0.915 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN052610.D
 Acq: 30 Nov 2018 16:41

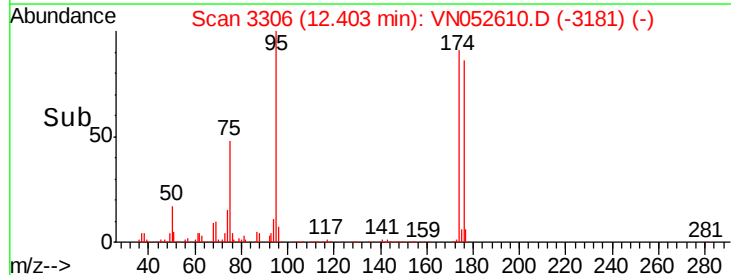
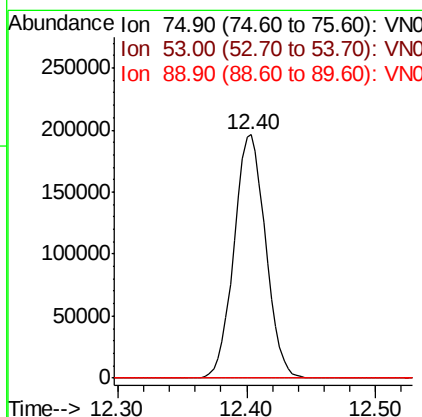
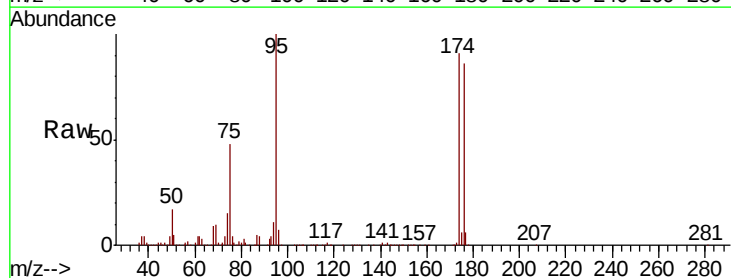
Instrument :
 MSVOA_N
 ClientSampleId :
 PB115186ZHE#08

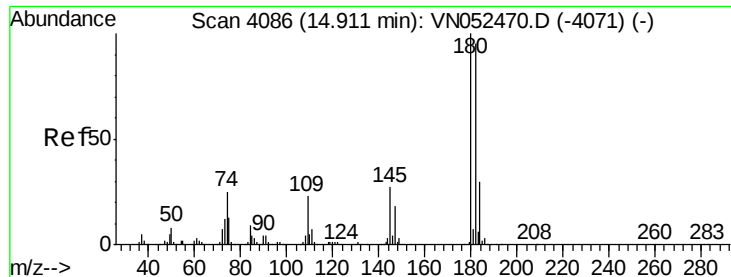
Tot Ion:105 Resp: 34538
 Ion Ratio Lower Upper
 105 100
 120 50.6 24.3 73.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 119.598 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN052610.D
 Acq: 30 Nov 2018 16:41

Tgt Ion: 75 Resp: 332989
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.4 116.0#
 89 0.0 35.4 53.2#

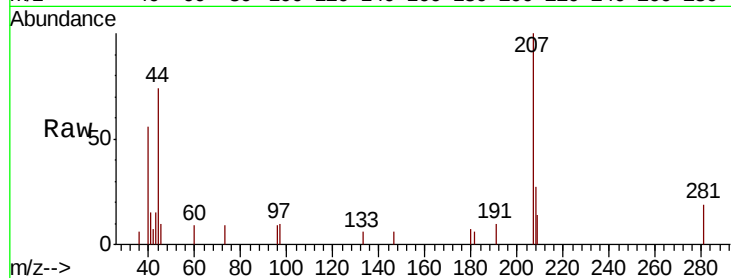




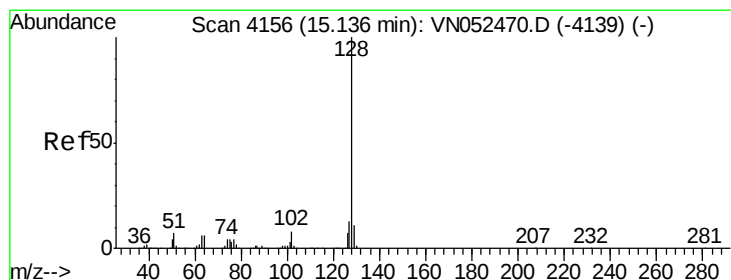
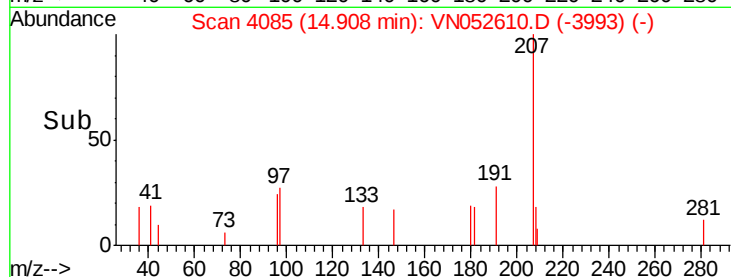
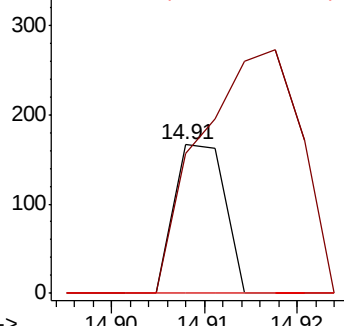
#93
 1,2,4-Trichlorobenzene
 Concen: 2.835 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN052610.D
 Acq: 30 Nov 2018 16:41

Instrument :
 MSVOA_N
 ClientSampleId :
 PB115186ZHE#08

Tot Ion:180 Resp: 63
 Ion Ratio Lower Upper
 180 100
 182 322.2 47.8 143.4#
 145 0.0 14.1 42.3#

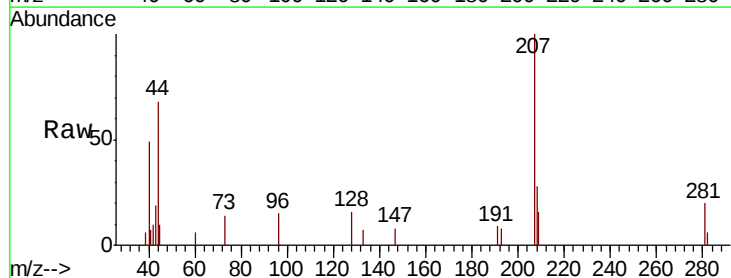


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



#95
 Naphthalene
 Concen: 3.451 ug/l
 RT: 15.14 min Scan# 4157
 Delta R.T. 0.00 min
 Lab File: VN052610.D
 Acq: 30 Nov 2018 16:41

Tgt Ion:128 Resp: 558
 Ion Ratio Lower Upper
 128 100
 127 12.4 10.2 15.2
 129 0.0 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

