

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112918\
 Data File : VN052564.D
 Acq On : 29 Nov 2018 14:52
 Operator : MD\SY
 Sample : PB115155ZHE#03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB115155ZHE#03

Quant Time: Nov 30 00:22:50 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	1288270	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1955973	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1720547	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	661659	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	670355	47.79	ug/l	0.00
Spiked Amount			Recovery	=	95.58%	
35) Dibromofluoromethane	7.59	113	599771	49.74	ug/l	0.00
Spiked Amount			Recovery	=	99.48%	
50) Toluene-d8	10.09	98	2388099	50.88	ug/l	0.00
Spiked Amount			Recovery	=	101.76%	
62) 4-Bromofluorobenzene	12.40	95	760027	48.19	ug/l	0.00
Spiked Amount			Recovery	=	96.38%	

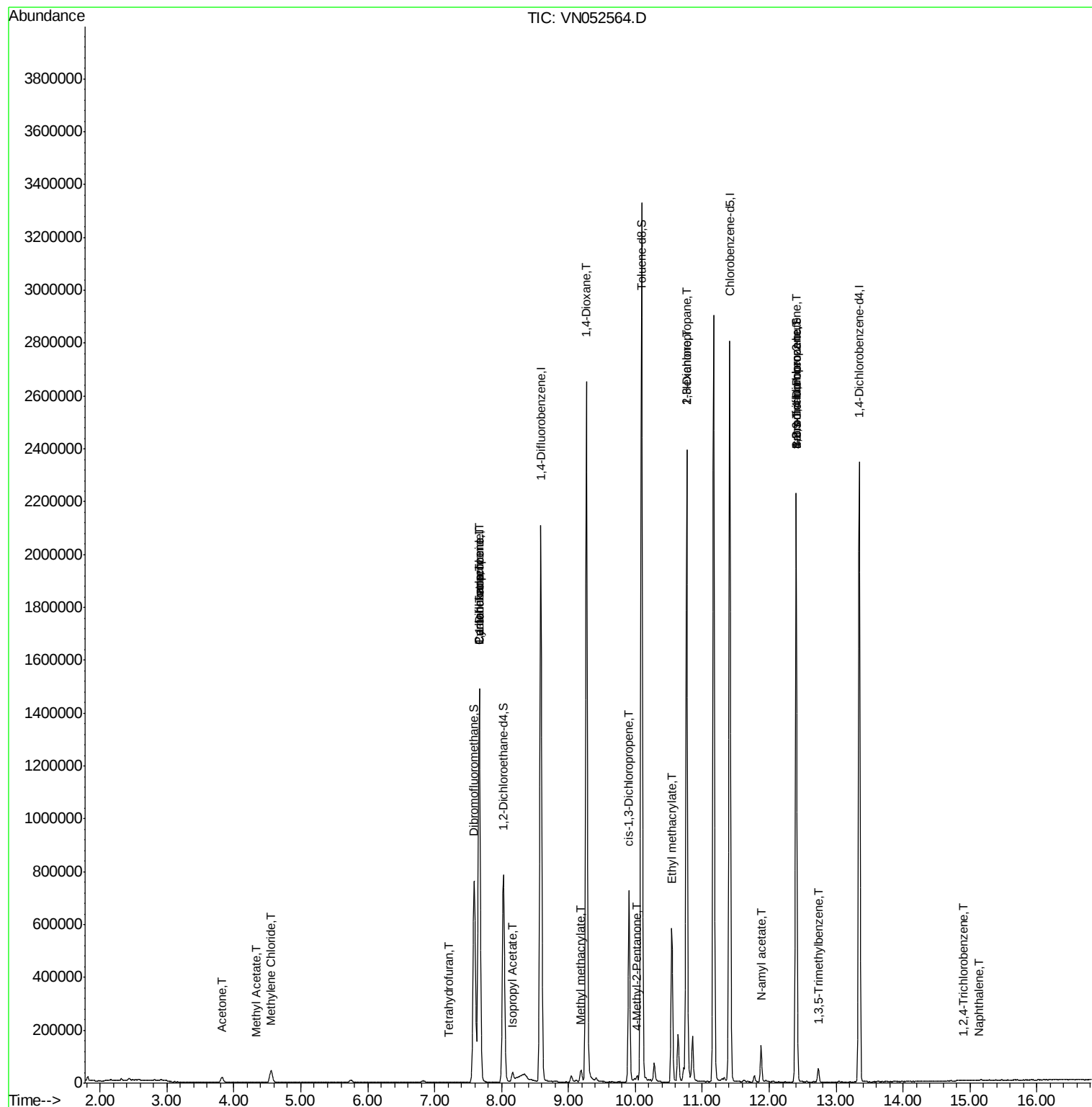
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	34481	9.320	ug/l	91
18) Methyl Acetate	4.33	43	2502	0.236	ug/l #	83
20) Methylene Chloride	4.55	84	33503	2.314	ug/l	95
29) Tetrahydrofuran	7.20	42	976	0.289	ug/l #	67
31) Cyclohexane	7.67	56	23091	0.595	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	88812	4.808	ug/l #	49
38) Carbon Tetrachloride	7.67	117	113967	6.816	ug/l #	15
43) Isopropyl Acetate	8.16	43	48440	2.539	ug/l #	81
48) Methyl methacrylate	9.18	41	16804	1.689	ug/l #	13
49) 1,4-Dioxane	9.27	88	411	3.981	ug/l #	1
51) 4-Methyl-2-Pentanone	10.03	43	17964	1.678	ug/l #	36
54) cis-1,3-Dichloropropene	9.90	75	136731	6.733	ug/l #	61
56) Ethyl methacrylate	10.54	69	1893	2.805	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	26470	1.303	ug/l #	43
59) 2-Hexanone	10.77	43	359979	50.111	ug/l #	51
71) Bromoform	12.41	173	4312	0.528	ug/l #	1
74) N-amyl acetate	11.88	43	44135	3.365	ug/l #	53
76) 1,2,3-Trichloropropane	12.40	75	363058	35.583	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	27561	0.666	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.40	75	363058	118.830	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.91	180	232	2.848	ug/l #	81
95) Naphthalene	15.14	128	1158	3.472	ug/l #	69

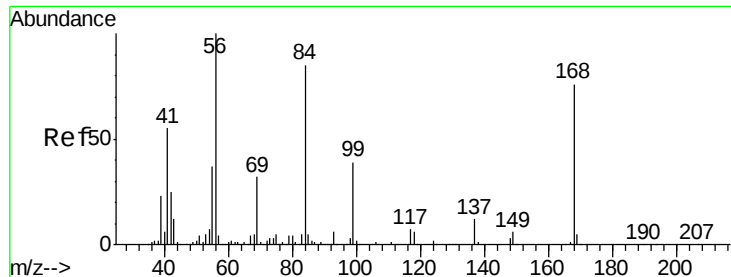
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
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: VN052564.D

Acq: 29 Nov 2018 14:52

Instrument :

MSVOA_N

ClientSampleId :

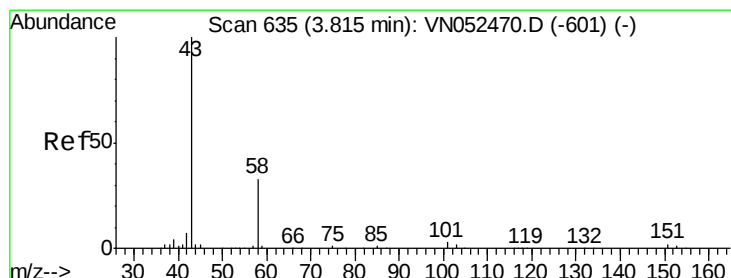
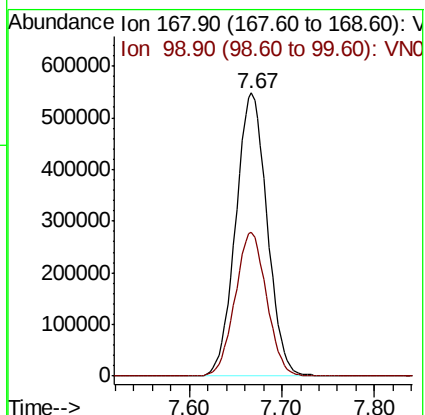
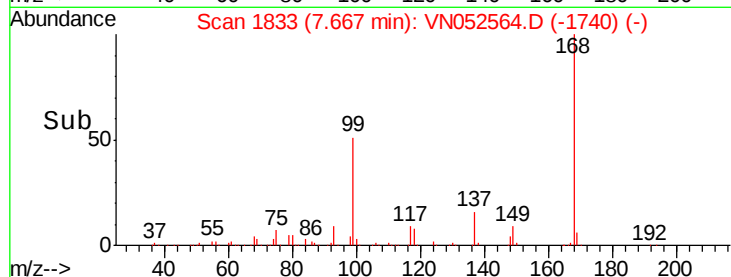
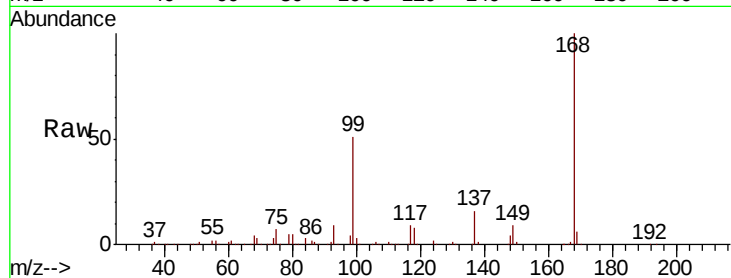
PB115155ZHE#03

Tot Ion:168 Resp: 1288270

Ion Ratio Lower Upper

168 100

99 50.8 41.7 62.5



#16

Acetone

Concen: 9.320 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN052564.D

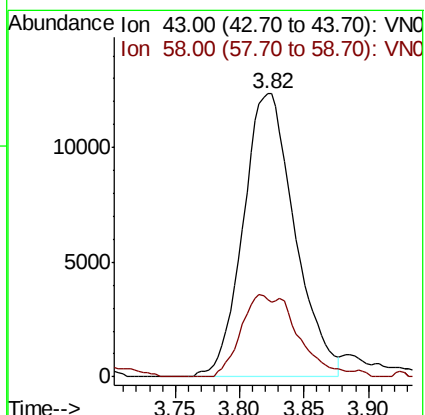
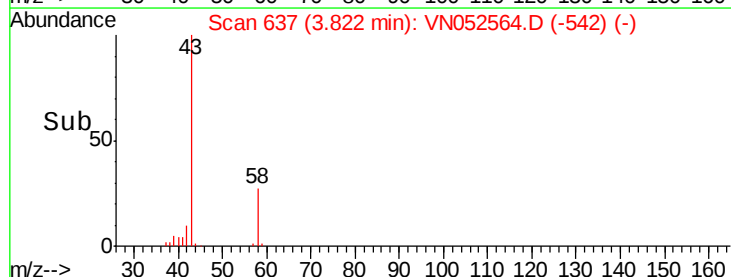
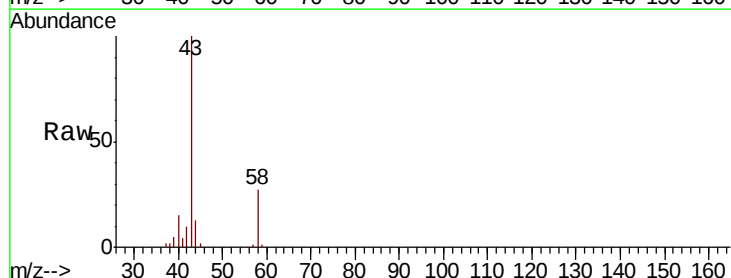
Acq: 29 Nov 2018 14:52

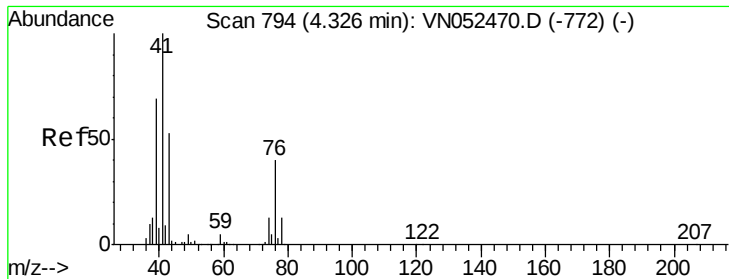
Tgt Ion: 43 Resp: 34481

Ion Ratio Lower Upper

43 100

58 27.3 26.0 39.0

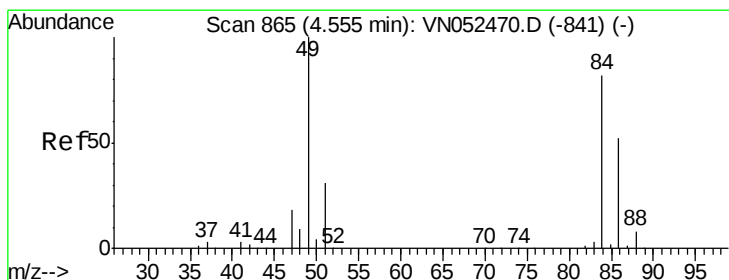
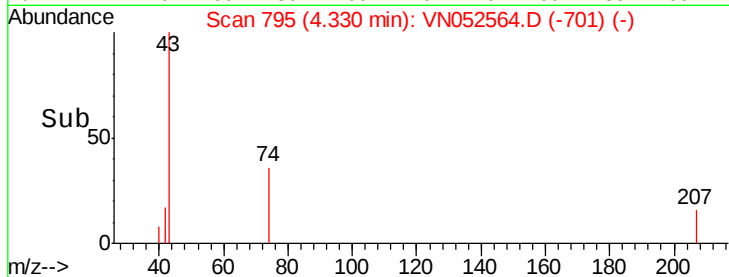
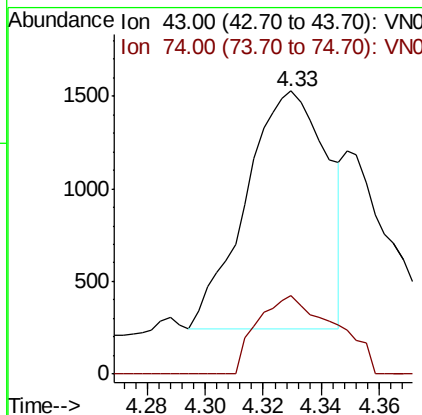
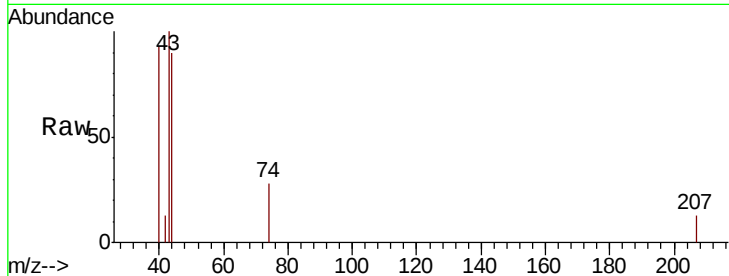




#18
Methyl Acetate
Concen: 0.236 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052564.D
Acq: 29 Nov 2018 14:52

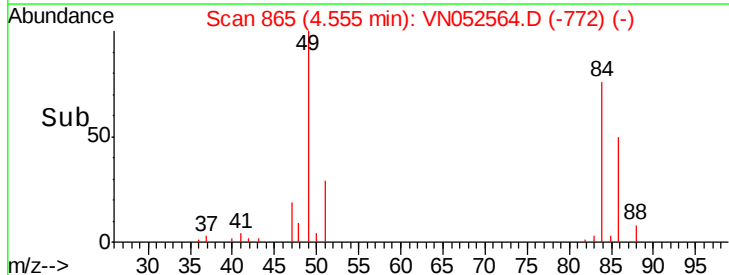
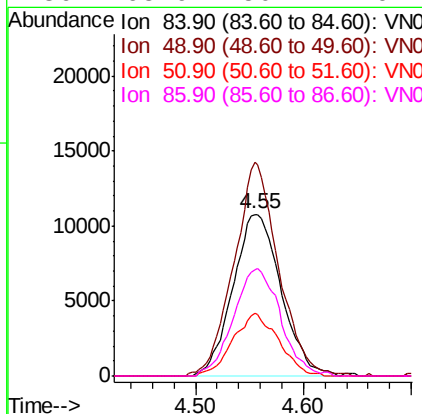
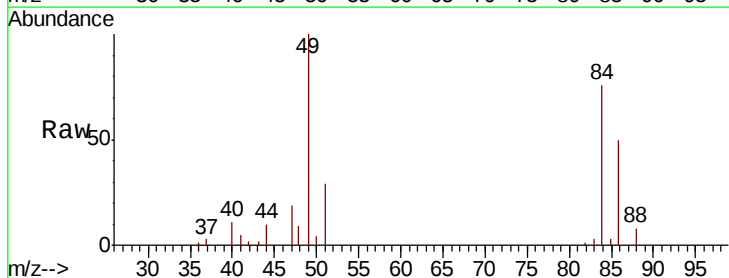
Instrument :
MSVOA_N
ClientSampleId :
PB115155ZHE#03

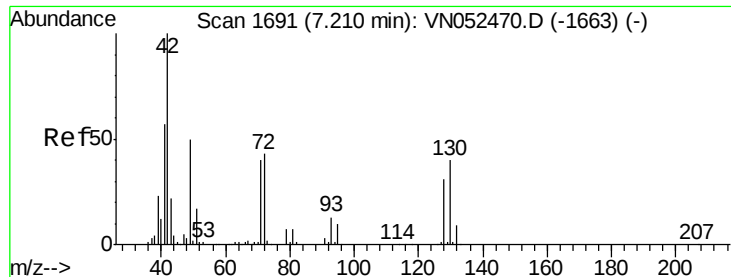
Tot Ion: 43 Resp: 2502
Ion Ratio Lower Upper
43 100
74 31.6 18.6 27.8#



#20
Methylene Chloride
Concen: 2.314 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052564.D
Acq: 29 Nov 2018 14:52

Tgt Ion: 84 Resp: 33503
Ion Ratio Lower Upper
84 100
49 130.5 98.0 147.0
51 38.8 30.1 45.1
86 65.9 50.7 76.1





#29

Tetrahydrofuran

Concen: 0.289 ug/l

RT: 7.20 min Scan# 1689

Delta R.T. -0.01 min

Lab File: VN052564.D

Acq: 29 Nov 2018 14:52

Instrument :

MSVOA_N

ClientSampleId :

PB115155ZHE#03

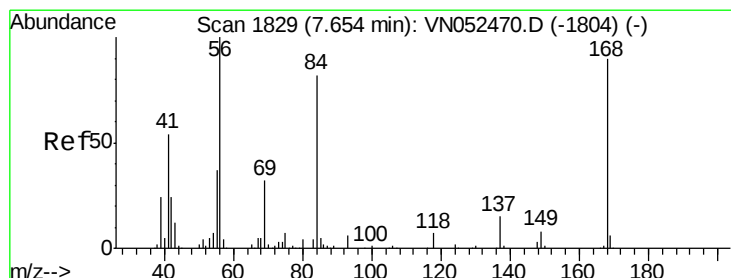
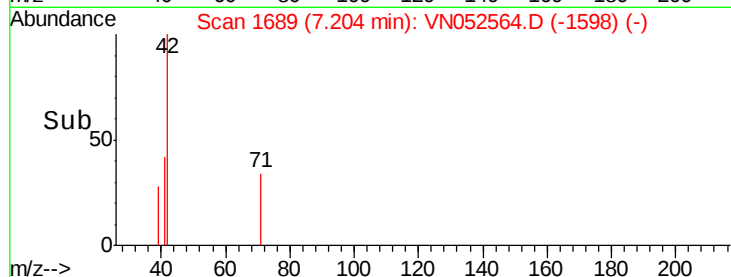
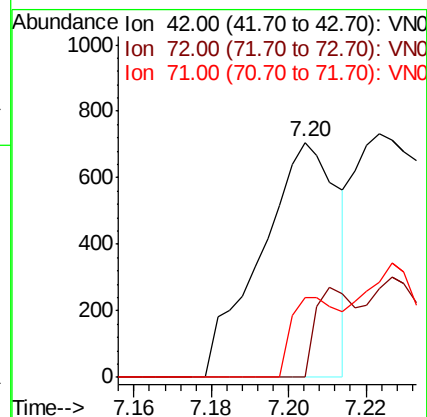
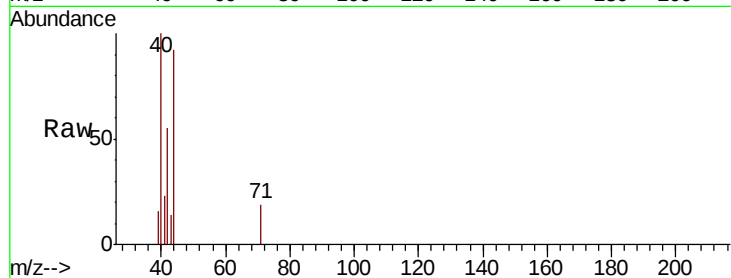
Tot Ion: 42 Resp: 976

Ion Ratio Lower Upper

42 100

72 18.6 33.3 49.9#

71 21.3 32.0 48.0#



#31

Cyclohexane

Concen: 0.595 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN052564.D

Acq: 29 Nov 2018 14:52

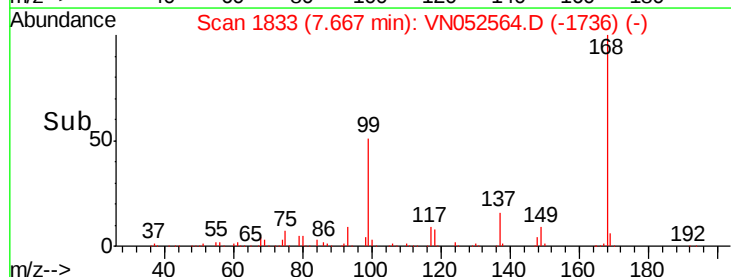
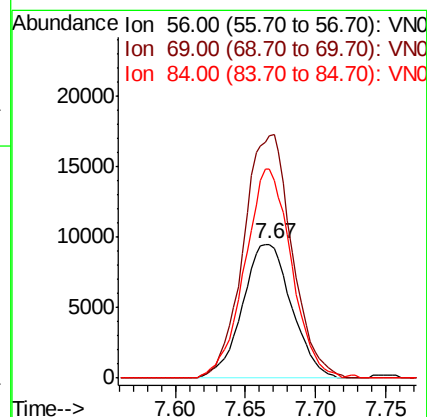
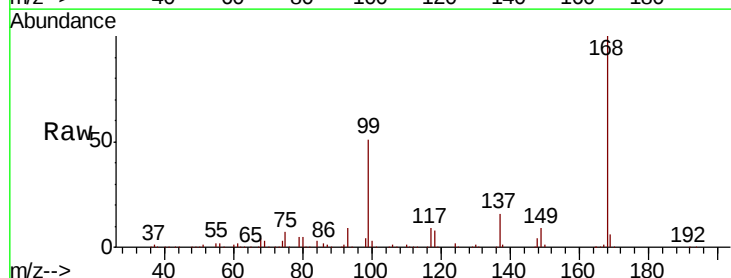
Tgt Ion: 56 Resp: 23091

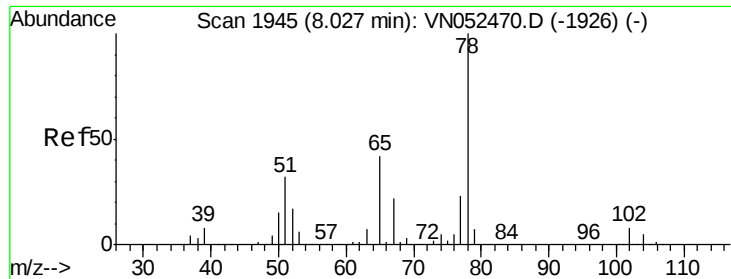
Ion Ratio Lower Upper

56 100

69 181.4 25.8 38.6#

84 155.8 65.3 97.9#





#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN052564.D

Acq: 29 Nov 2018 14:52

Instrument :

MSVOA_N

ClientSampleId :

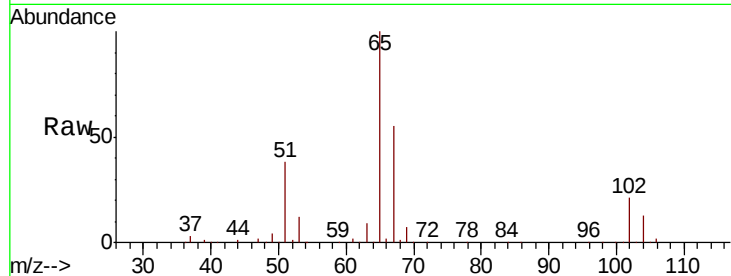
PB115155ZHE#03

Tot Ion: 65 Resp: 670355

Ion Ratio Lower Upper

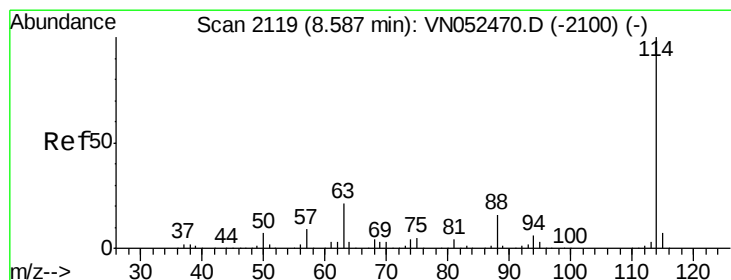
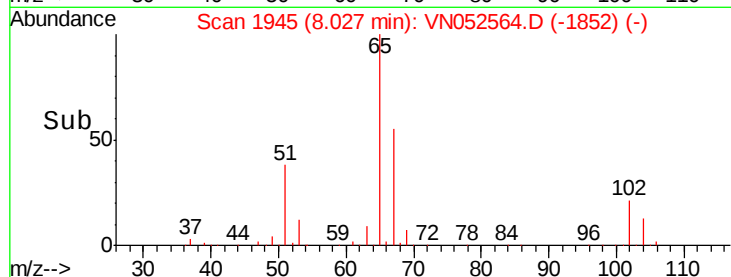
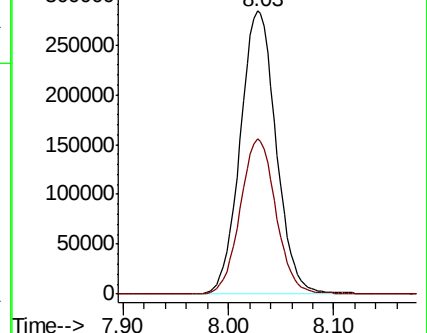
65 100

67 54.6 0.0 109.8



Abundance Ion 64.90 (64.60 to 65.60): VN052470.D (-1926) (-)

Ion 66.90 (66.60 to 67.60): VN052470.D (-1926) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN052564.D

Acq: 29 Nov 2018 14:52

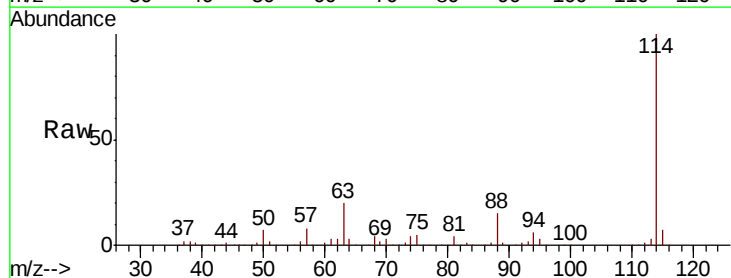
Tgt Ion: 114 Resp: 1955973

Ion Ratio Lower Upper

114 100

63 20.1 0.0 41.8

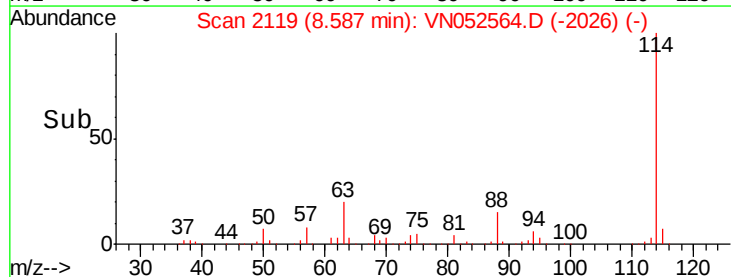
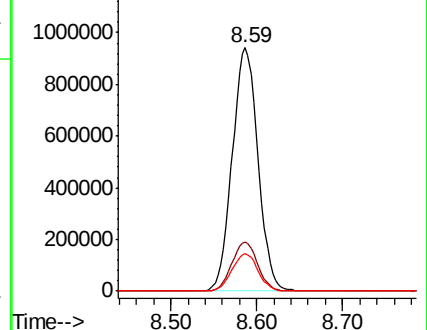
88 15.4 0.0 31.6

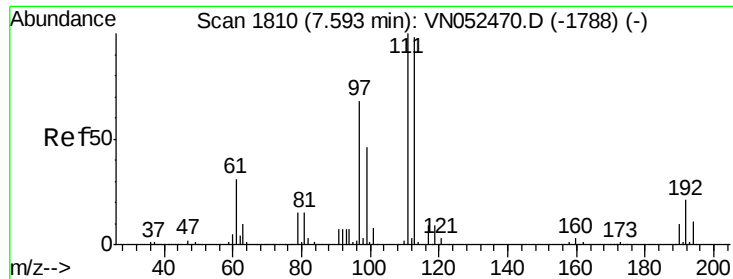


Abundance Ion 113.90 (113.60 to 114.60): VN052470.D (-2100) (-)

Ion 63.00 (62.70 to 63.70): VN052470.D (-2100) (-)

Ion 87.90 (87.60 to 88.60): VN052470.D (-2100) (-)

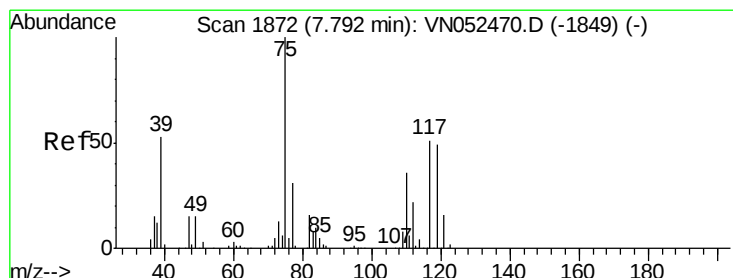
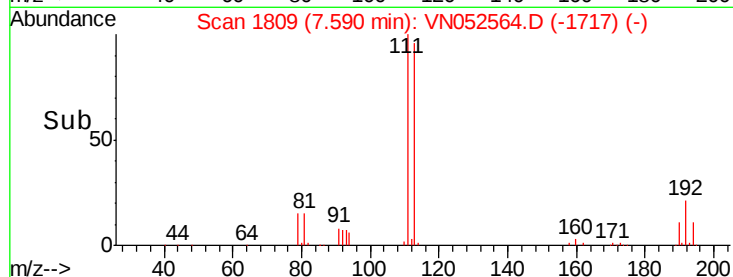
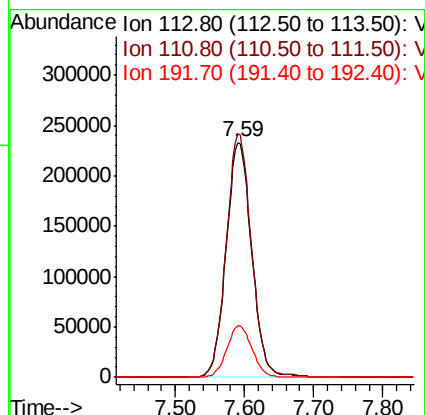
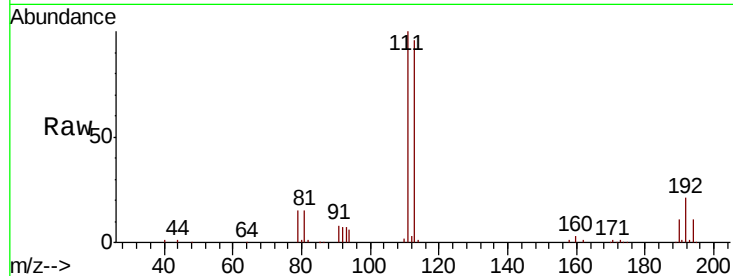




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN052564.D
Acq: 29 Nov 2018 14:52

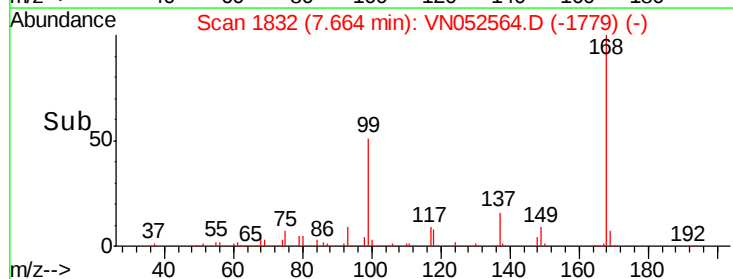
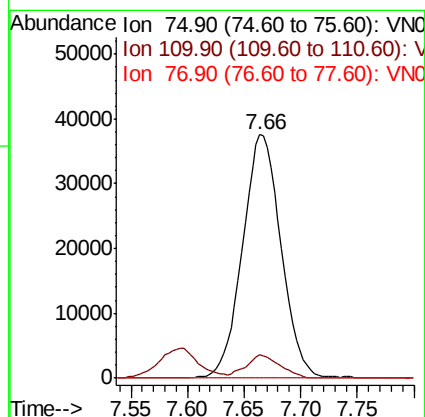
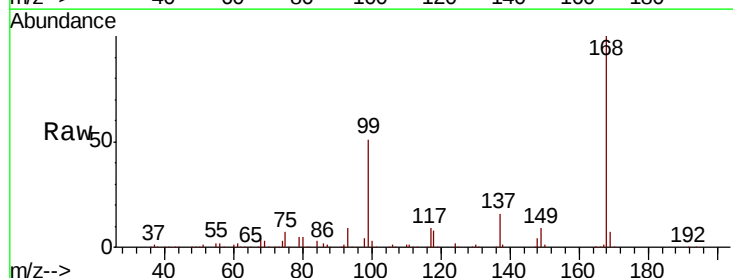
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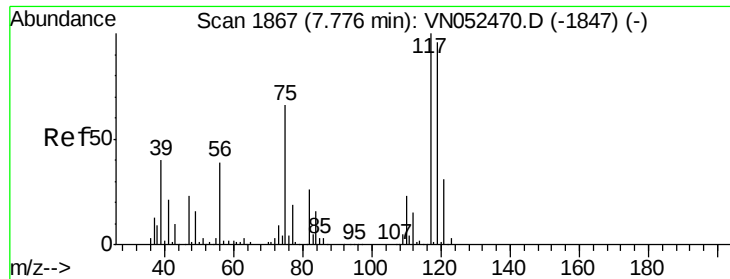
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.0	123.0
192	21.8	17.0	25.6



#36
1,1-Dichloropropene
Concen: 4.808 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.13 min
Lab File: VN052564.D
Acq: 29 Nov 2018 14:52

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	17.5	52.6#
77	0.0	24.5	36.7#





#38

Carbon Tetrachloride

Concen: 6.816 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052564.D

Acq: 29 Nov 2018 14:52

Instrument :

MSVOA_N

ClientSampleId :

PB115155ZHE#03

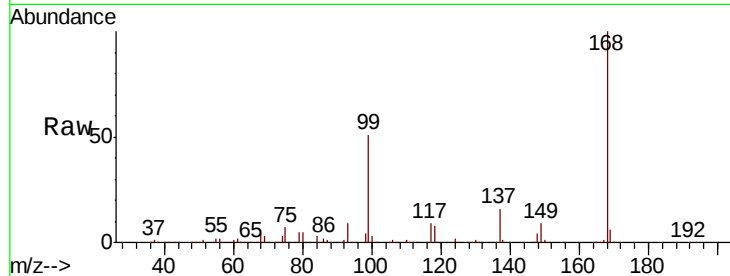
Tot Ion:117 Resp: 113967

Ion Ratio Lower Upper

117 100

119 4.2 76.8 115.2#

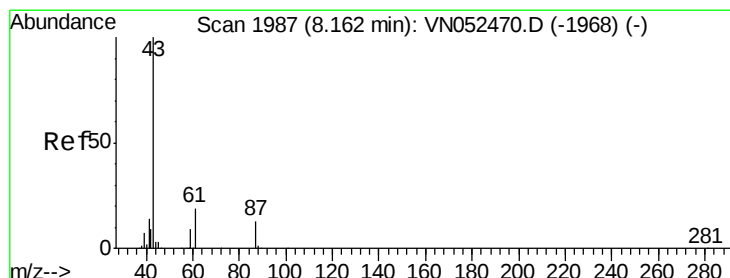
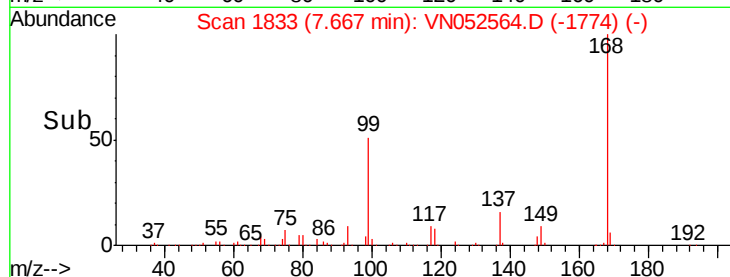
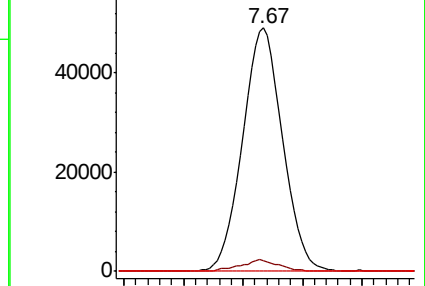
121 0.0 24.9 37.3#



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: 2.539 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN052564.D

Acq: 29 Nov 2018 14:52

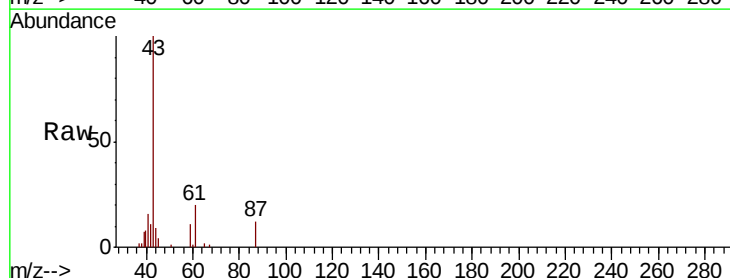
Tgt Ion: 43 Resp: 48440

Ion Ratio Lower Upper

43 100

61 19.4 24.1 36.1#

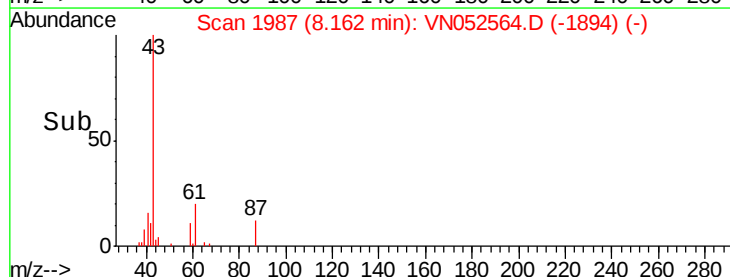
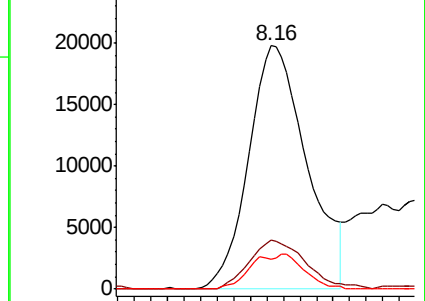
87 5.8 10.6 15.8#

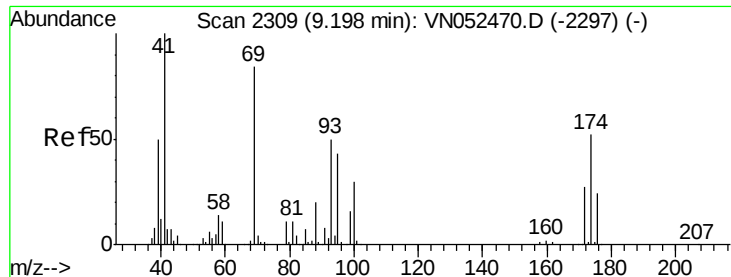


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

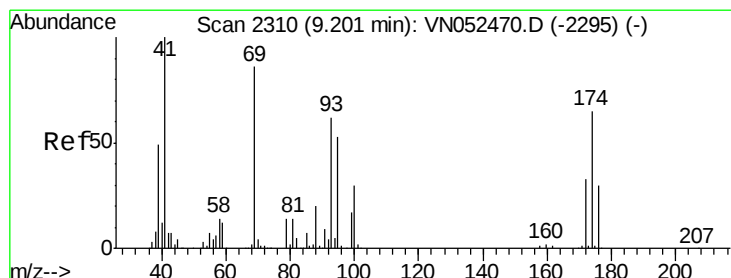
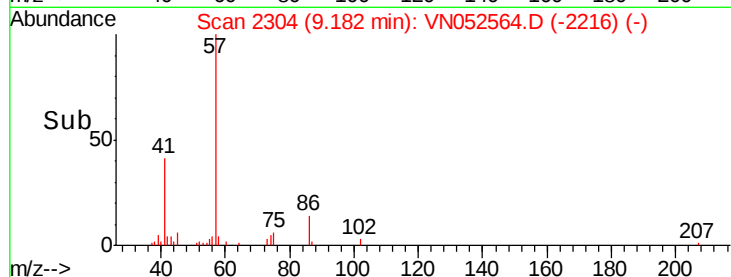
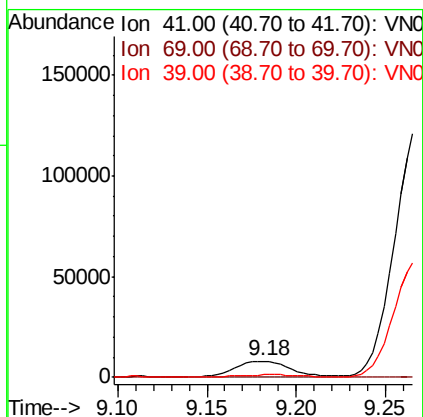
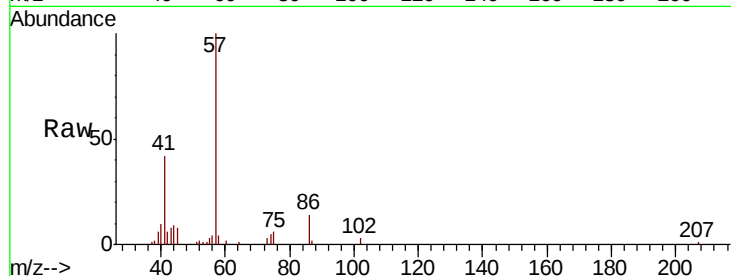




#48
Methvl methacrylate
Concen: 1.689 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN052564.D
Acq: 29 Nov 2018 14:52

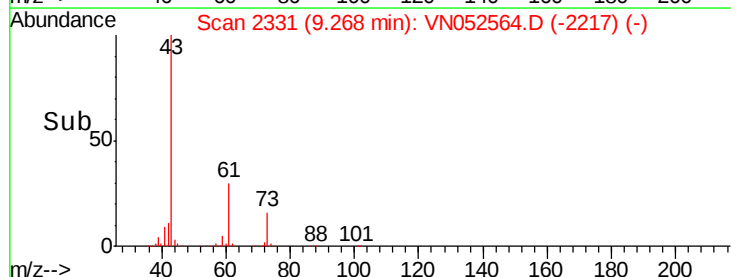
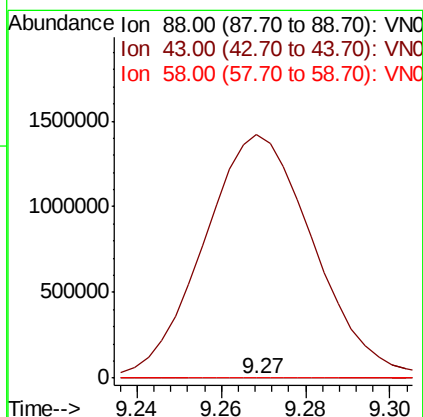
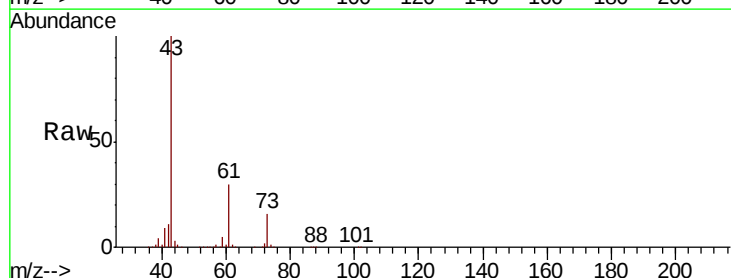
Instrument :
MSVOA_N
ClientSampleId :
PB115155ZHE#03

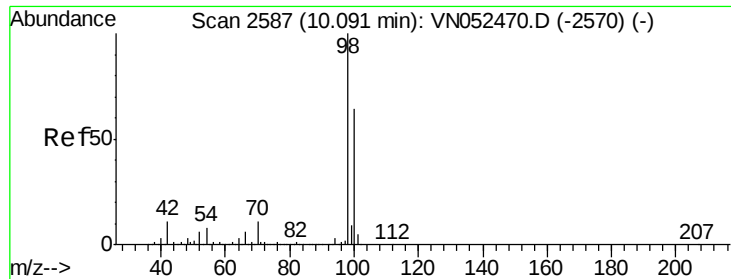
Tot Ion: 41 Resp: 16804
Ion Ratio Lower Upper
41 100
69 0.0 70.0 105.0#
39 0.0 42.6 64.0#



#49
1,4-Dioxane
Concen: 3.981 ug/l
RT: 9.27 min Scan# 2331
Delta R.T. 0.07 min
Lab File: VN052564.D
Acq: 29 Nov 2018 14:52

Tgt Ion: 88 Resp: 411
Ion Ratio Lower Upper
88 100
43 641635.5 26.4 39.6#
58 2774.7 55.4 83.0#





#50

Toluene-d8

Concen: 3.981 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052564.D

Acq: 29 Nov 2018 14:52

Instrument :

MSVOA_N

ClientSampleId :

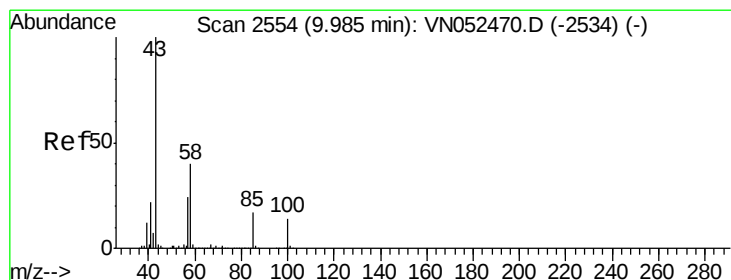
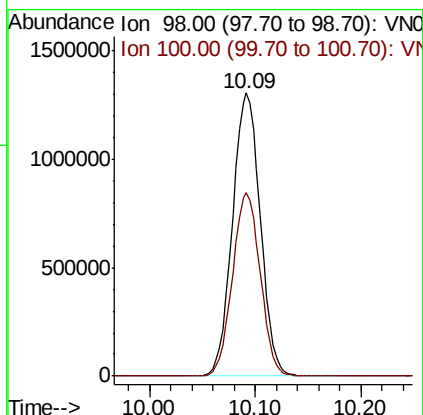
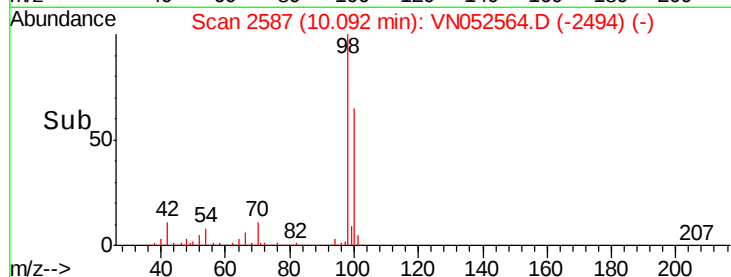
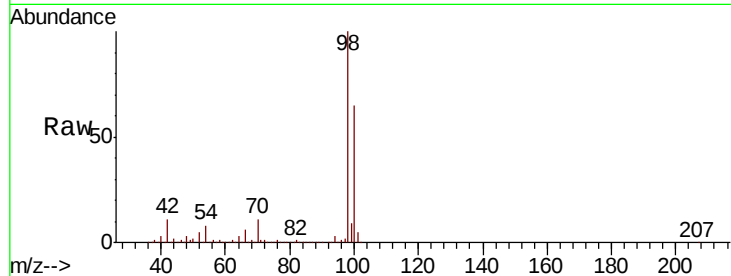
PB115155ZHE#03

Tot Ion: 98 Resp: 2388099

Ion Ratio Lower Upper

98 100

100 64.5 51.3 76.9



#51

4-Methyl-2-Pentanone

Concen: 1.678 ug/l

RT: 10.03 min Scan# 2567

Delta R.T. 0.04 min

Lab File: VN052564.D

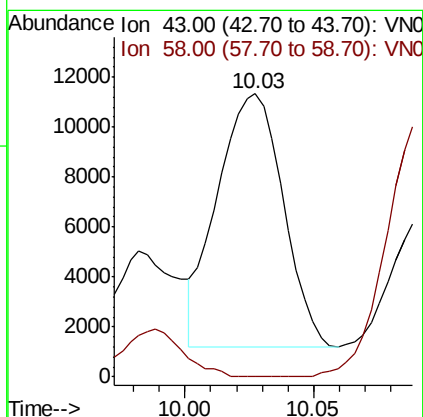
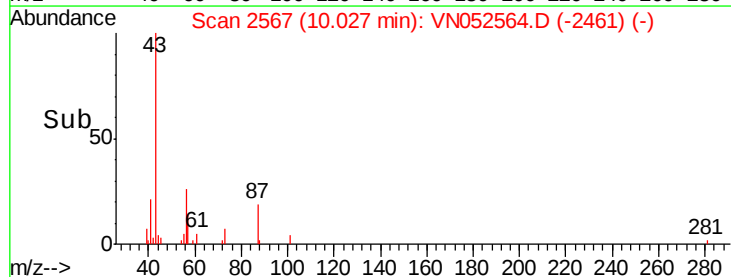
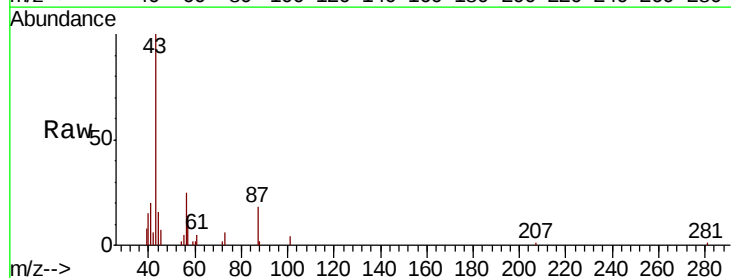
Acq: 29 Nov 2018 14:52

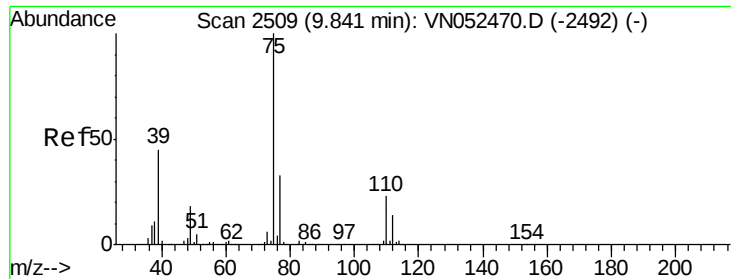
Tgt Ion: 43 Resp: 17964

Ion Ratio Lower Upper

43 100

58 0.0 31.5 47.3#





#54

cis-1,3-Dichloropropene

Concen: 6.733 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN052564.D

Acq: 29 Nov 2018 14:52

Instrument :

MSVOA_N

ClientSampleId :

PB115155ZHE#03

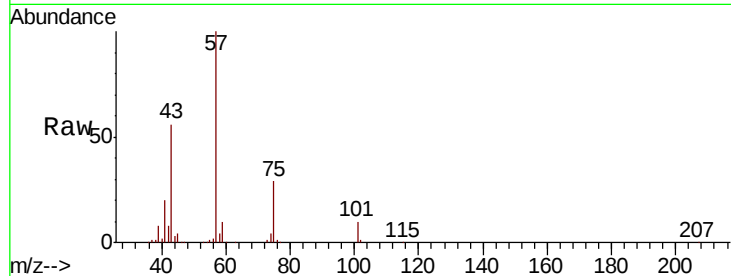
Tot Ion: 75 Resp: 136731

Ion Ratio Lower Upper

75 100

77 0.5 26.2 39.2#

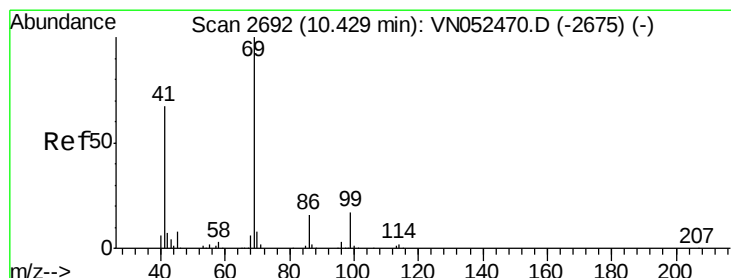
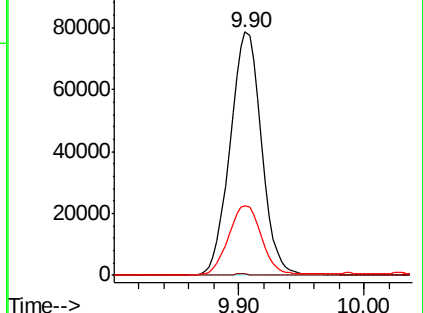
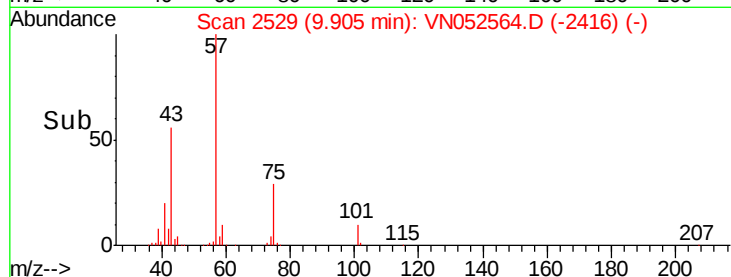
39 28.5 36.0 54.0#



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: 2.805 ug/l

RT: 10.54 min Scan# 2727

Delta R.T. 0.11 min

Lab File: VN052564.D

Acq: 29 Nov 2018 14:52

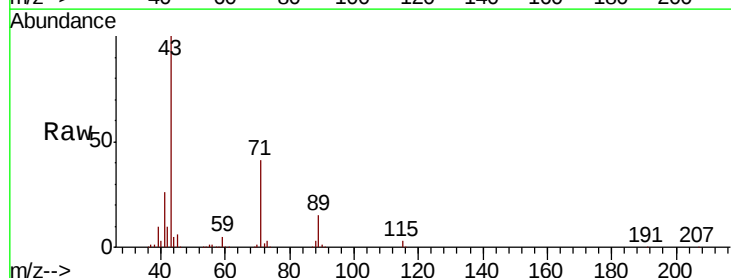
Tgt Ion: 69 Resp: 1893

Ion Ratio Lower Upper

69 100

41 5742.0 52.6 79.0#

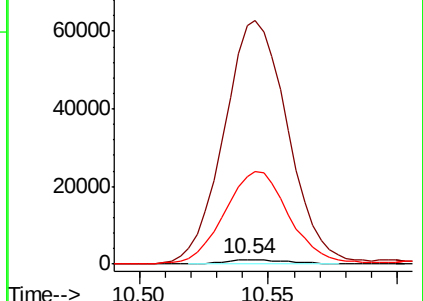
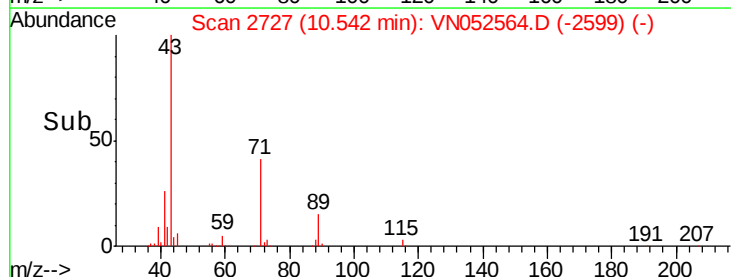
39 2217.7 25.9 38.9#

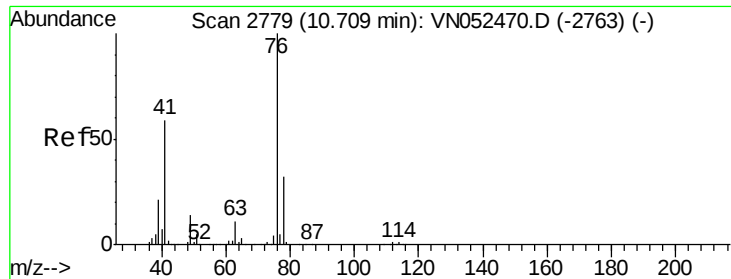


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

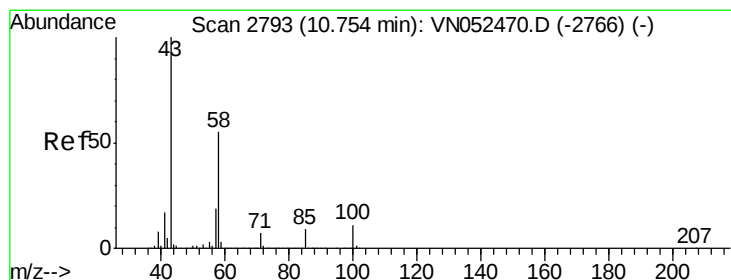
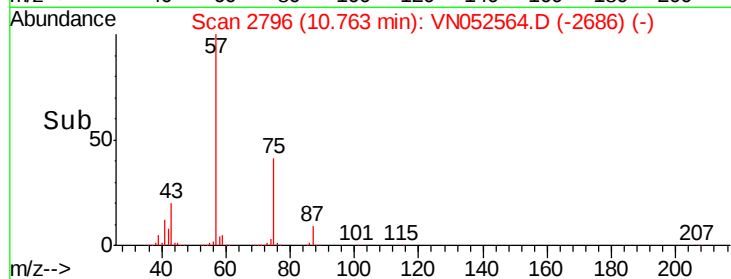
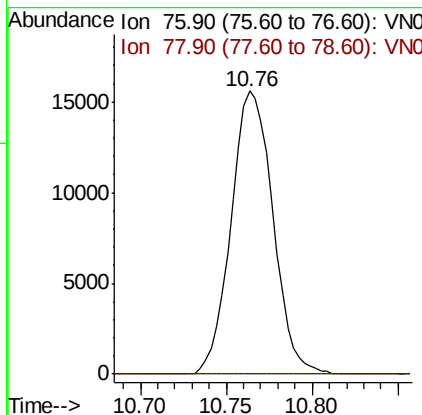
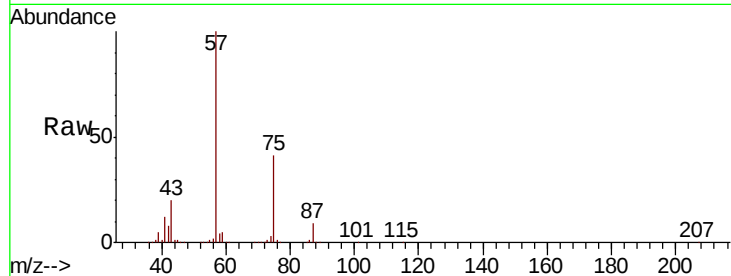




#57
 1,3-Dichloropropane
 Concen: 1.303 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.05 min
 Lab File: VN052564.D
 Acq: 29 Nov 2018 14:52

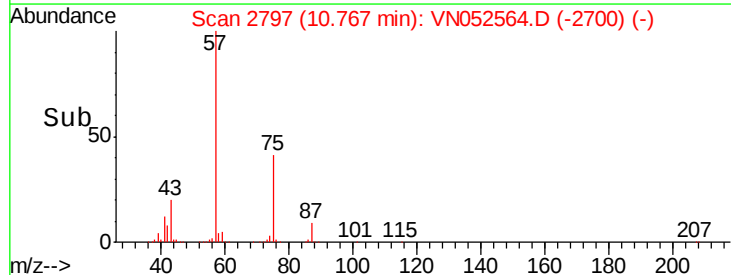
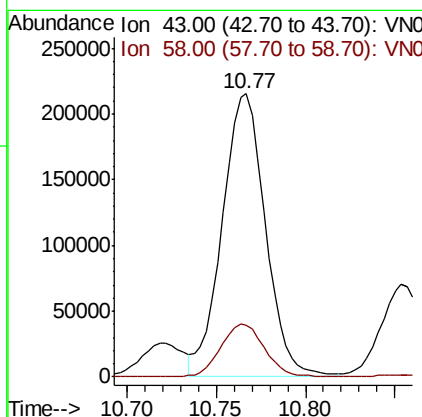
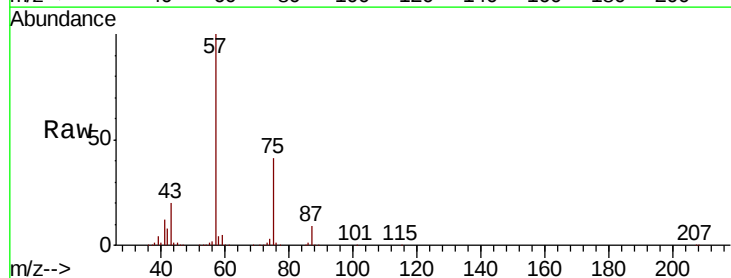
Instrument :
 MSVOA_N
 ClientSampleId :
 PB115155ZHE#03

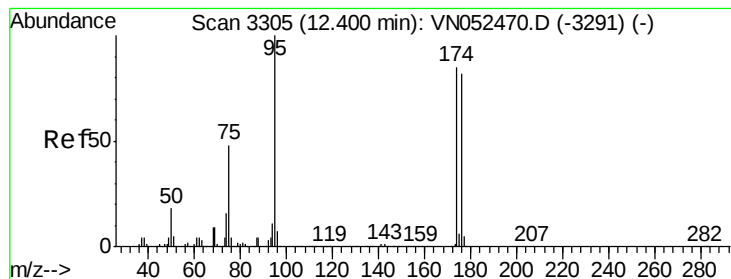
Tot Ion: 76 Resp: 26470
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.6 38.4#



#59
 2-Hexanone
 Concen: 50.111 ug/l
 RT: 10.77 min Scan# 2797
 Delta R.T. 0.01 min
 Lab File: VN052564.D
 Acq: 29 Nov 2018 14:52

Tgt Ion: 43 Resp: 359979
 Ion Ratio Lower Upper
 43 100
 58 19.1 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: VN052564.D

Acq: 29 Nov 2018 14:52

Instrument :

MSVOA_N

ClientSampleId :

PB115155ZHE#03

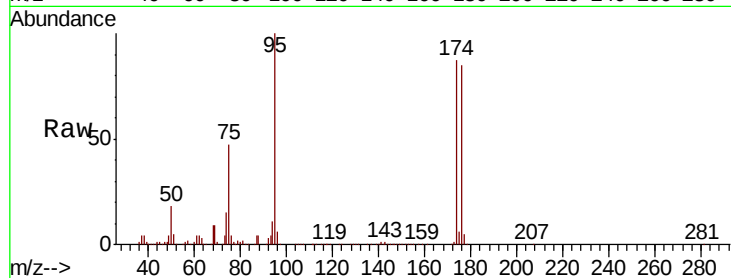
Tot Ion: 95 Resp: 760027

Ion Ratio Lower Upper

95 100

174 87.3 0.0 173.0

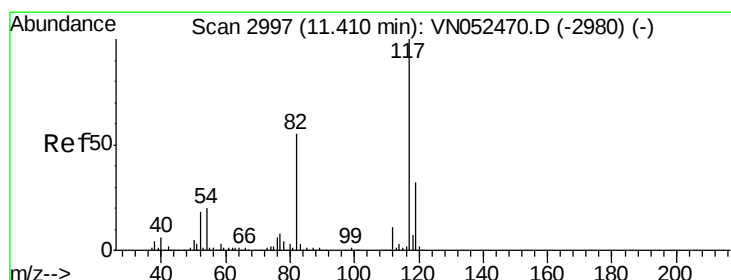
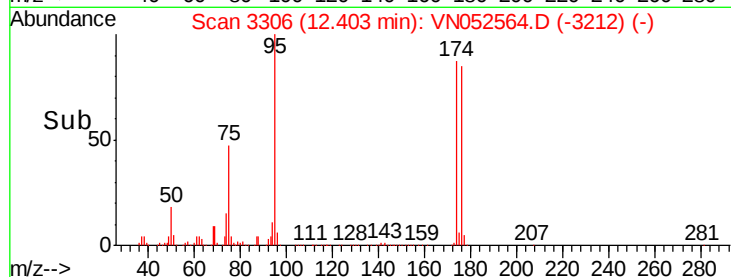
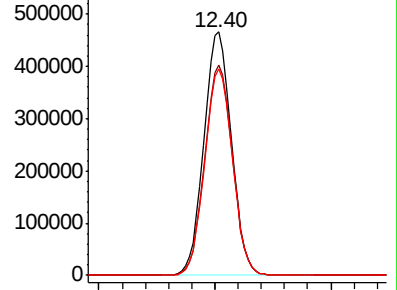
176 85.4 0.0 166.2



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: VN052564.D

Acq: 29 Nov 2018 14:52

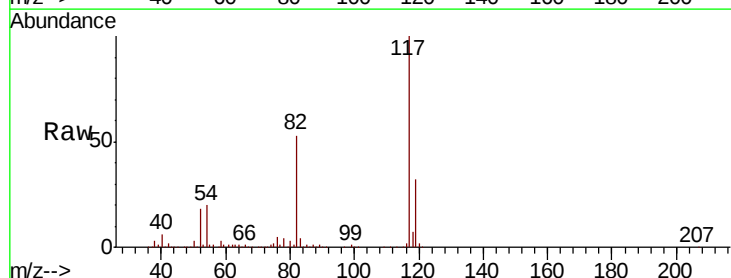
Tgt Ion: 117 Resp: 1720547

Ion Ratio Lower Upper

117 100

82 53.3 43.6 65.4

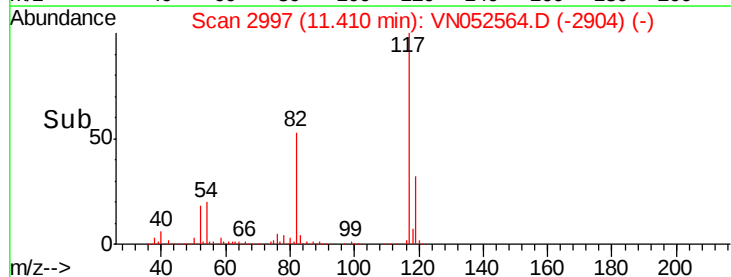
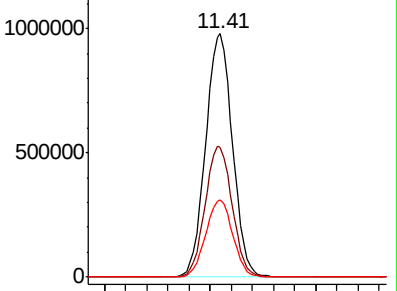
119 31.9 25.4 38.2

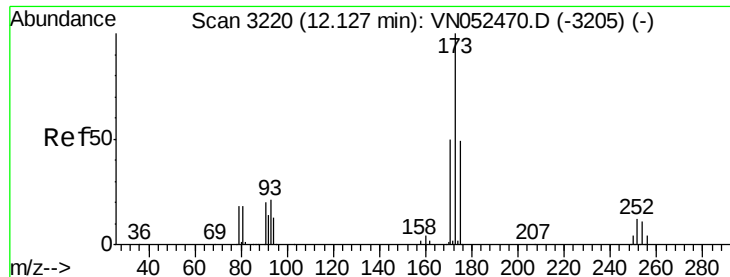


Abundance Ion 116.90 (116.60 to 117.60): VN052470.D (-2980) (-)

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: 0.528 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.28 min

Lab File: VN052564.D

Acq: 29 Nov 2018 14:52

Instrument :

MSVOA_N

ClientSampleId :

PB115155ZHE#03

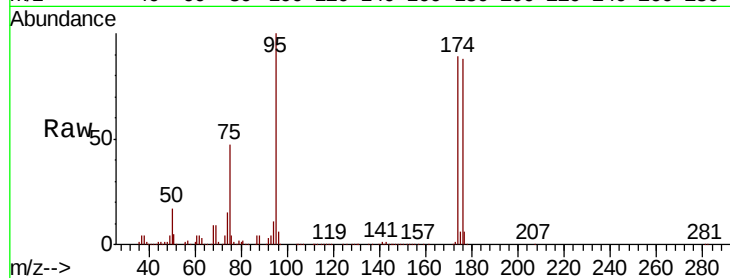
Tot Ion:173 Resp: 4312

Ion Ratio Lower Upper

173 100

175 948.1 24.4 73.2#

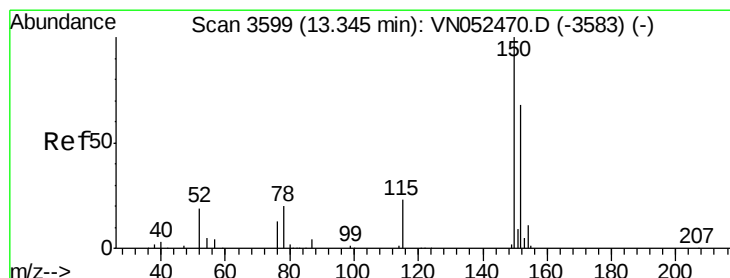
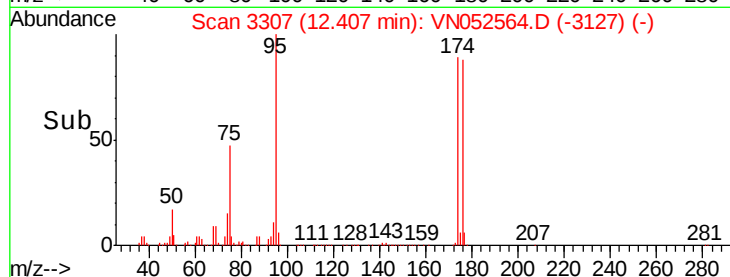
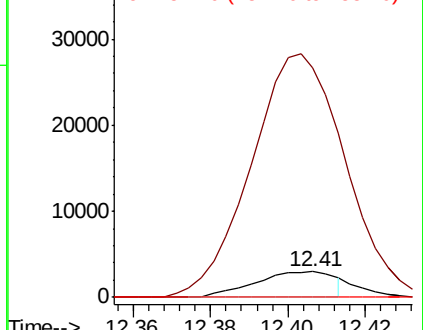
254 0.0 0.1 0.1#



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: VN052564.D

Acq: 29 Nov 2018 14:52

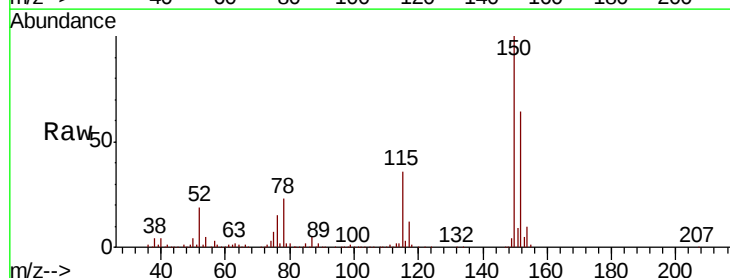
Tgt Ion:152 Resp: 661659

Ion Ratio Lower Upper

152 100

115 56.7 28.4 85.2

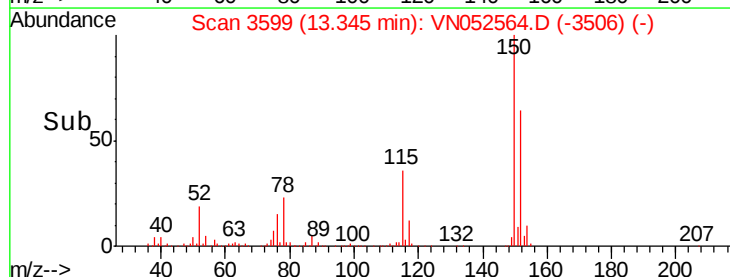
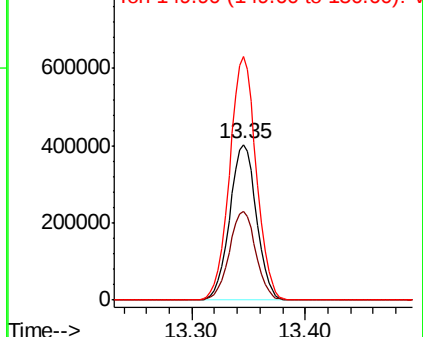
150 155.3 0.0 346.0

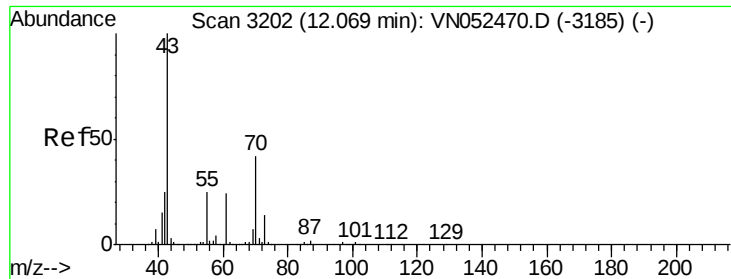


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

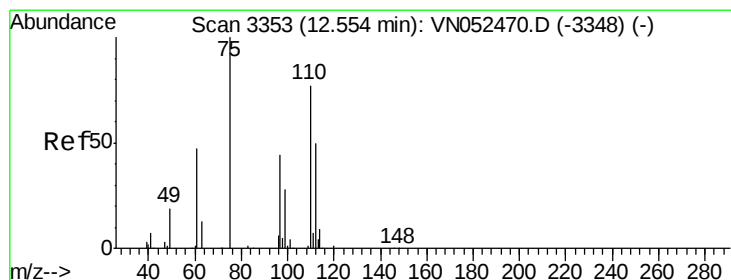
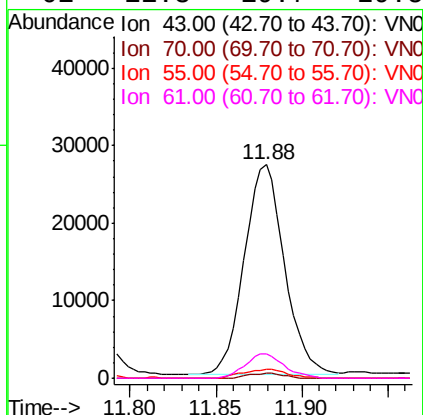
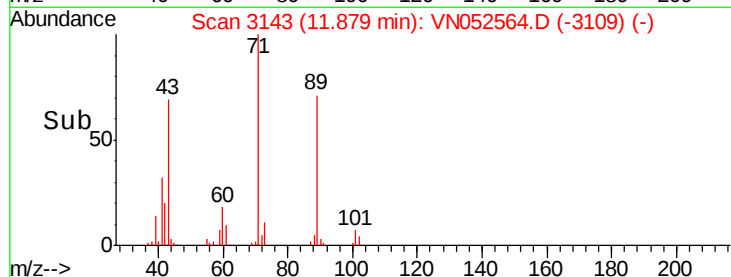
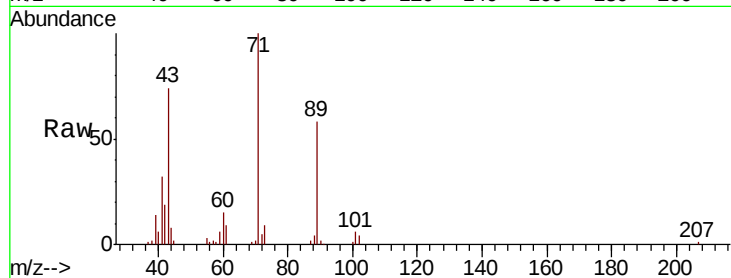




#74
N-amvl acetate
Concen: 3.365 ug/l
RT: 11.88 min Scan# 3143
Delta R.T. -0.19 min
Lab File: VN052564.D
Acq: 29 Nov 2018 14:52

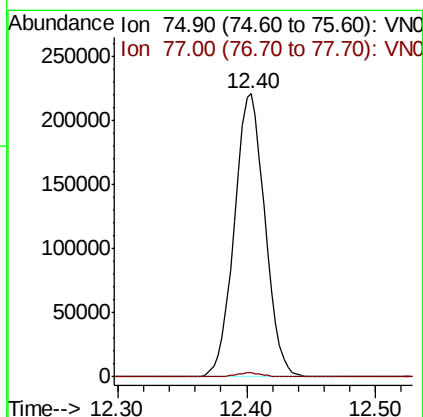
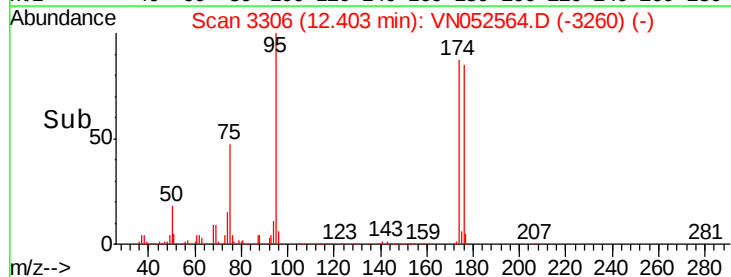
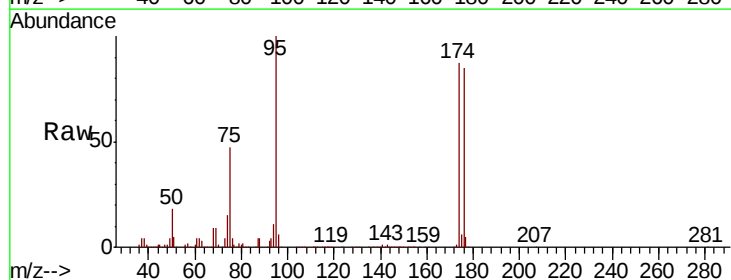
Instrument :
MSVOA_N
ClientSampleId :
PB115155ZHE#03

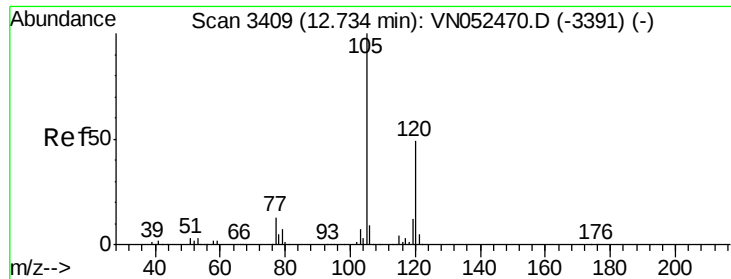
Tot Ion: 43 Resp: 44135
Ion Ratio Lower Upper
43 100
70 2.0 33.8 50.8#
55 4.7 20.0 30.0#
61 11.3 19.7 29.5#



#76
1,2,3-Trichloropropane
Concen: 35.583 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.15 min
Lab File: VN052564.D
Acq: 29 Nov 2018 14:52

Tgt Ion: 75 Resp: 363058
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#

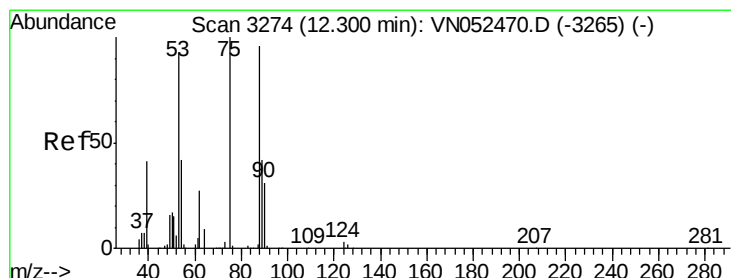
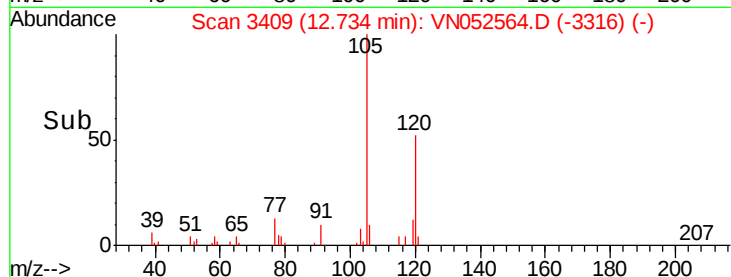
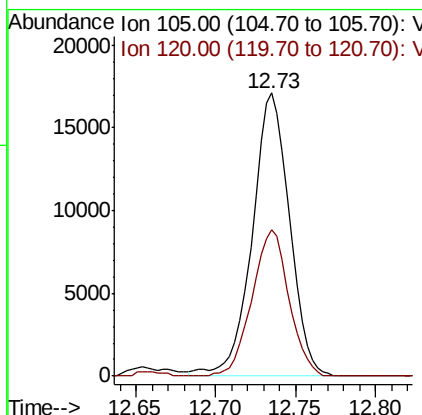
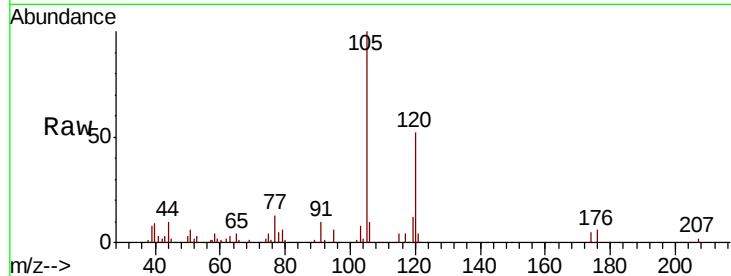




#80
 1,3,5-Trimethylbenzene
 Concen: 0.666 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN052564.D
 Acq: 29 Nov 2018 14:52

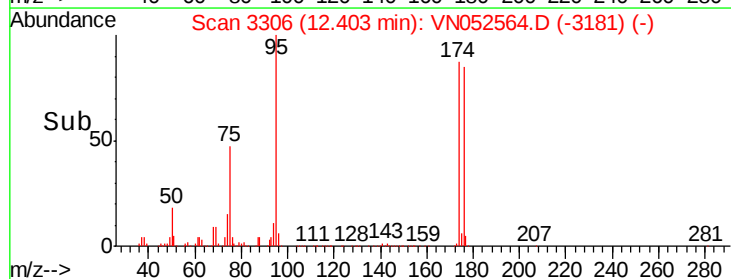
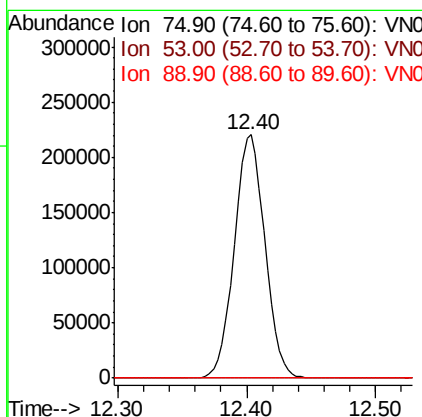
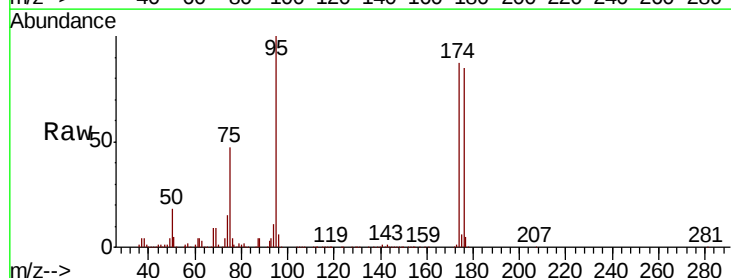
Instrument :
 MSVOA_N
 ClientSampleId :
 PB115155ZHE#03

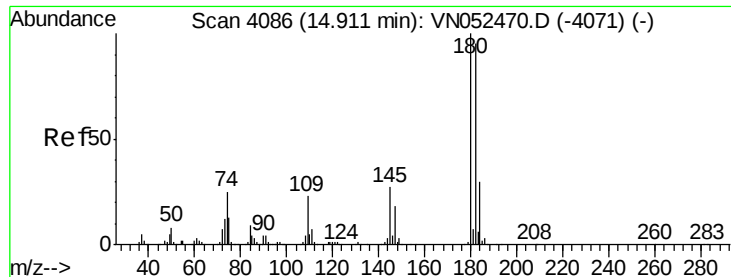
Tot Ion:105 Resp: 27561
 Ion Ratio Lower Upper
 105 100
 120 51.0 24.3 73.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 118.830 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN052564.D
 Acq: 29 Nov 2018 14:52

Tgt Ion: 75 Resp: 363058
 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: 2.848 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.00 min

Lab File: VN052564.D

Acq: 29 Nov 2018 14:52

Instrument :

MSVOA_N

ClientSampleId :

PB115155ZHE#03

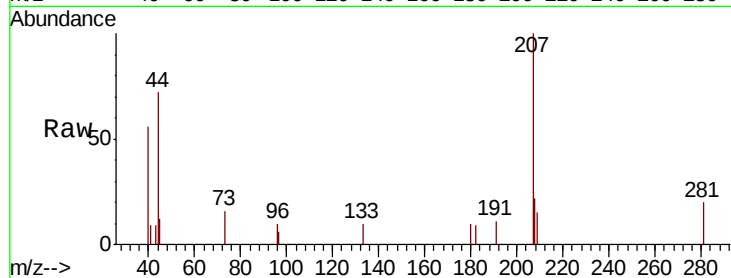
Tot Ion:180 Resp: 232

Ion Ratio Lower Upper

180 100

182 104.3 47.8 143.4

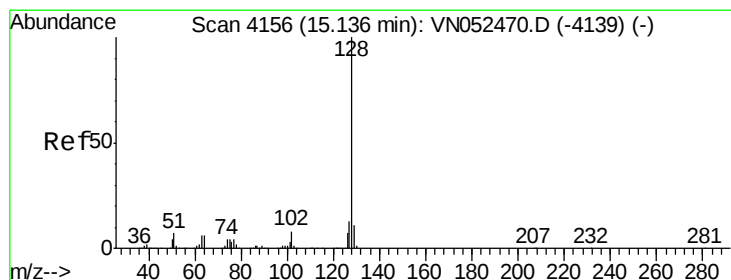
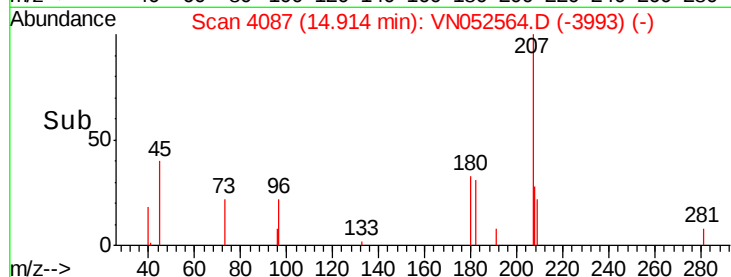
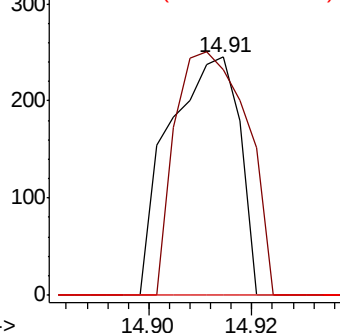
145 0.0 14.1 42.3#



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: 3.472 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN052564.D

Acq: 29 Nov 2018 14:52

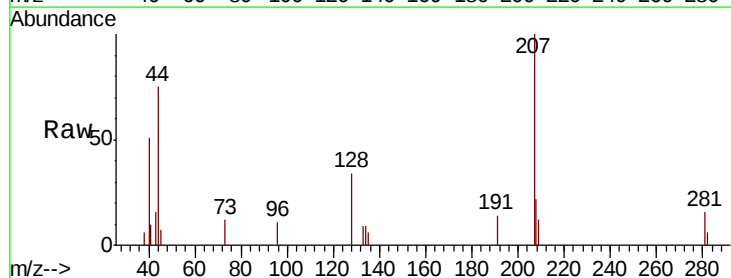
Tgt Ion:128 Resp: 1158

Ion Ratio Lower Upper

128 100

127 0.0 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

