

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112918\
 Data File : VN052553.D
 Acq On : 29 Nov 2018 9:51
 Operator : MD\SY
 Sample : VN1129WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1129WBL01

Quant Time: Nov 30 00:16:12 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	7.66	168	1395388	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	2118636	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1806510	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	681110	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	709835	46.72	ug/l	0.00
Spiked Amount			Recovery	=	93.44%	
35) Dibromofluoromethane	7.59	113	643706	49.28	ug/l	0.00
Spiked Amount			Recovery	=	98.56%	
50) Toluene-d8	10.09	98	2540654	49.97	ug/l	0.00
Spiked Amount			Recovery	=	99.94%	
62) 4-Bromofluorobenzene	12.40	95	793269	46.43	ug/l	0.00
Spiked Amount			Recovery	=	92.86%	

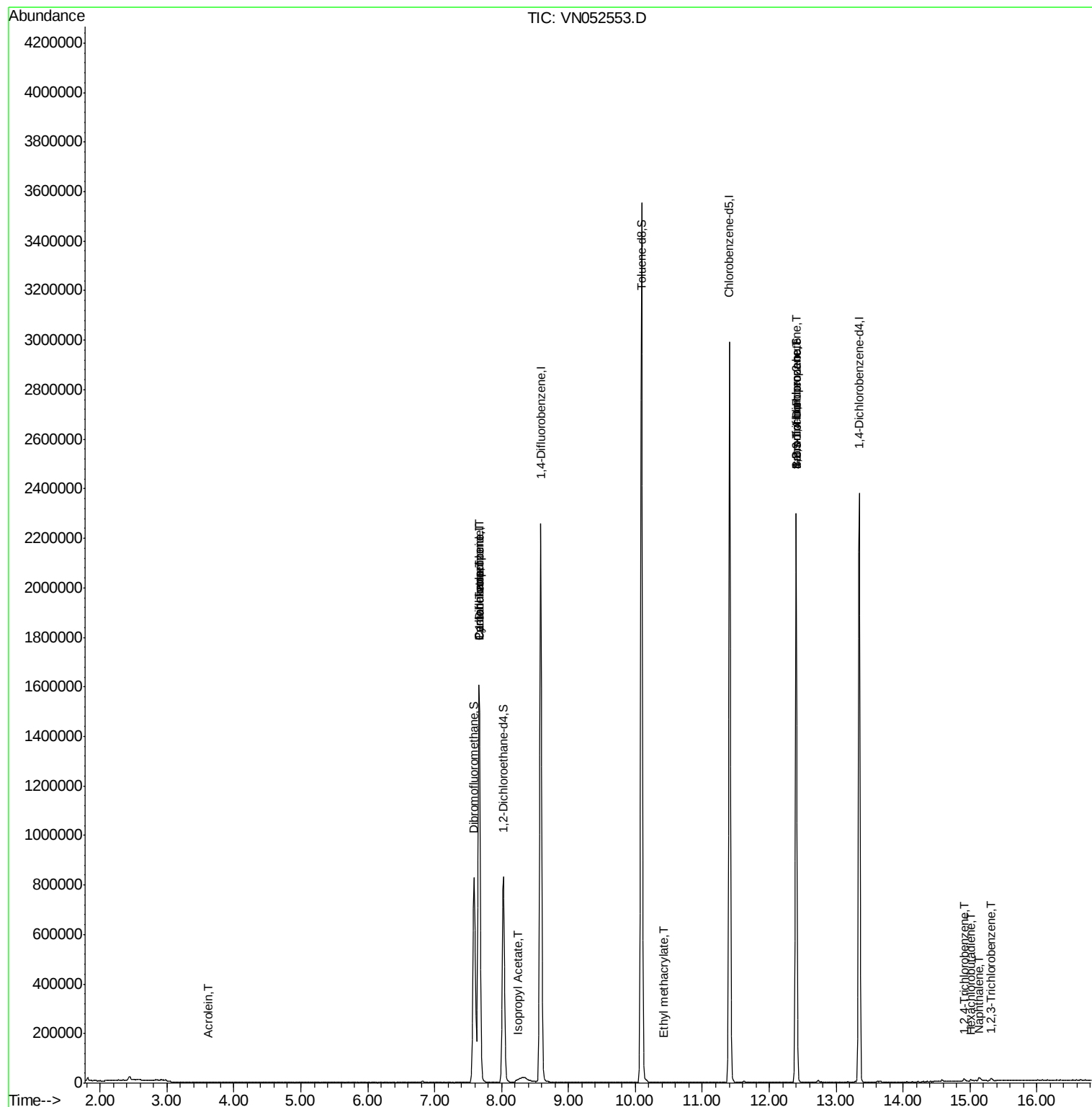
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.61	56	698	33.928	ug/l #	70
31) Cyclohexane	7.66	56	24016	0.557	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	94378	4.717	ug/l #	49
38) Carbon Tetrachloride	7.66	117	123673	6.828	ug/l #	15
43) Isopropyl Acetate	8.24	43	8213	0.397	ug/l #	51
56) Ethyl methacrylate	10.44	69	29	2.695	ug/l #	1
71) Bromoform	12.40	173	4210	0.491	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	379565	36.138	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	379565	120.685	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.91	180	3389	3.094	ug/l	87
94) Hexachlorobutadiene	15.01	225	1648	0.232	ug/l	87
95) Naphthalene	15.14	128	10386	3.806	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.32	180	3990	3.066	ug/l	93

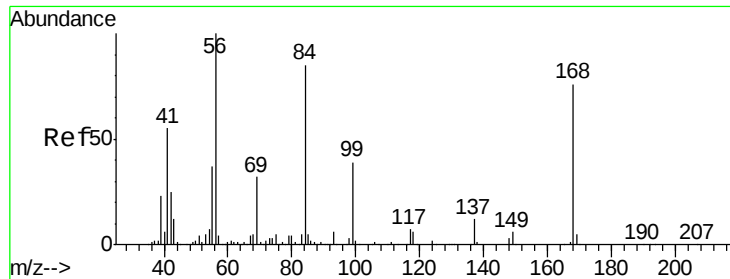
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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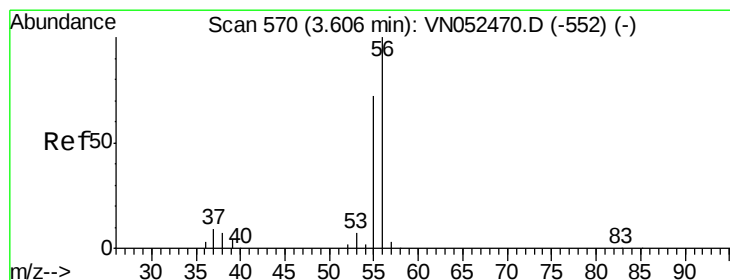
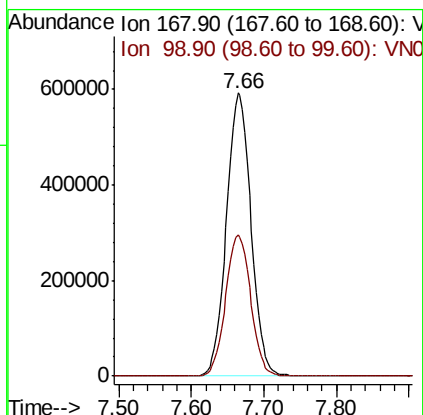
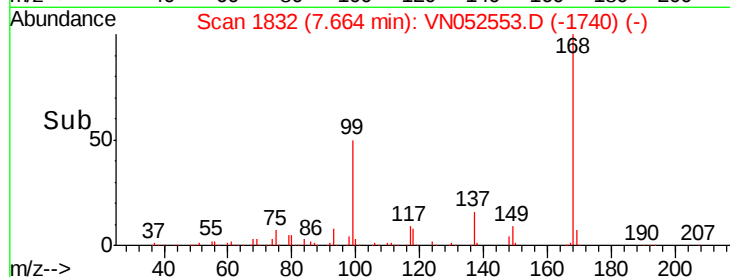
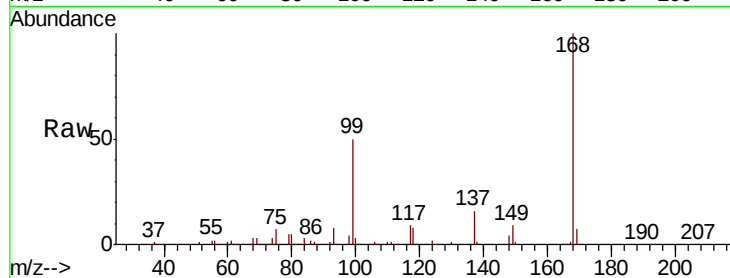




#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.00 min
 Lab File: VN052553.D
 Acq: 29 Nov 2018 9:51

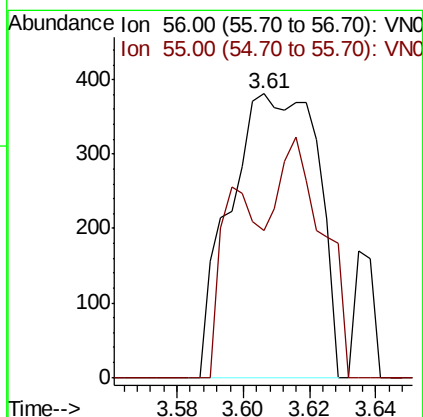
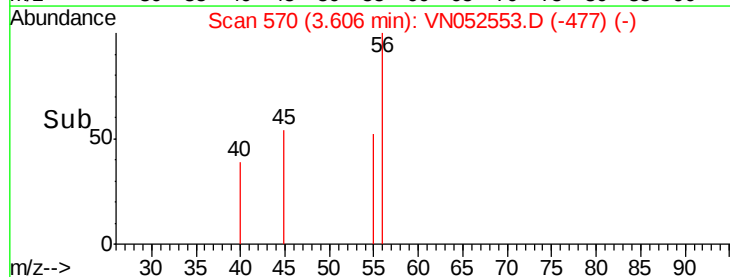
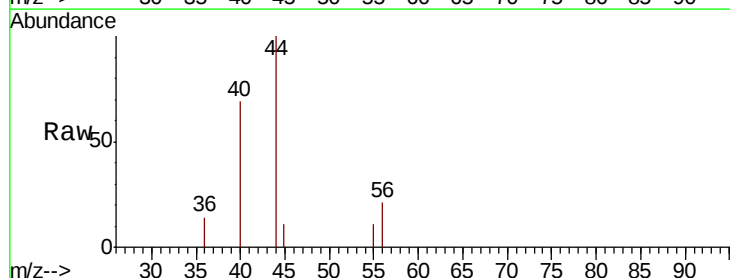
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1129WBL01

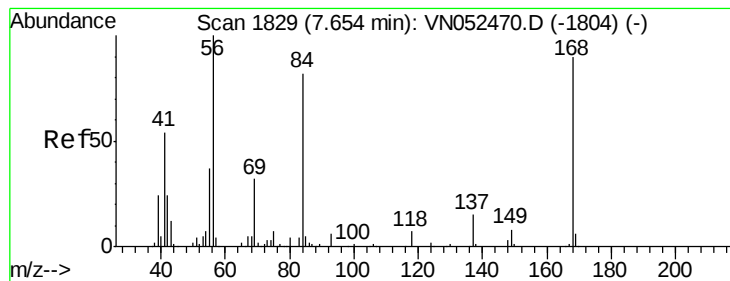
Tot Ion:168 Resp: 1395388
 Ion Ratio Lower Upper
 168 100
 99 49.9 41.7 62.5



#13
 Acrolein
 Concen: 33.928 ug/l
 RT: 3.61 min Scan# 570
 Delta R.T. 0.00 min
 Lab File: VN052553.D
 Acq: 29 Nov 2018 9:51

Tgt Ion: 56 Resp: 698
 Ion Ratio Lower Upper
 56 100
 55 46.1 56.8 85.2#





#31

Cyclohexane

Concen: 0.557 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN052553.D

Acq: 29 Nov 2018 9:51

Instrument :

MSVOA_N

ClientSampled :

VN1129WBL01

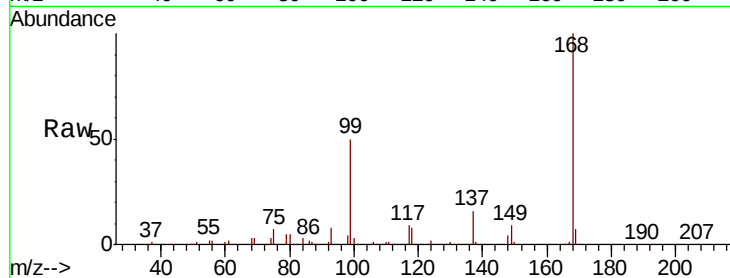
Tot Ion: 56 Resp: 24016

Ion Ratio Lower Upper

56 100

69 193.5 25.8 38.6#

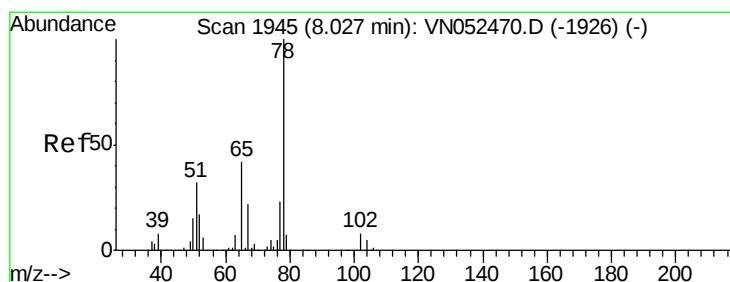
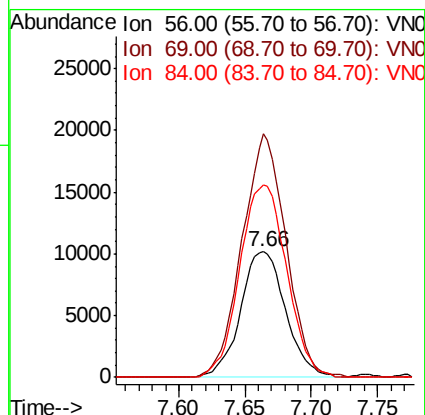
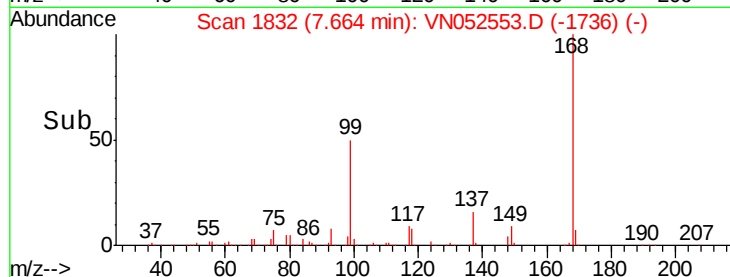
84 152.7 65.3 97.9#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN052553.D

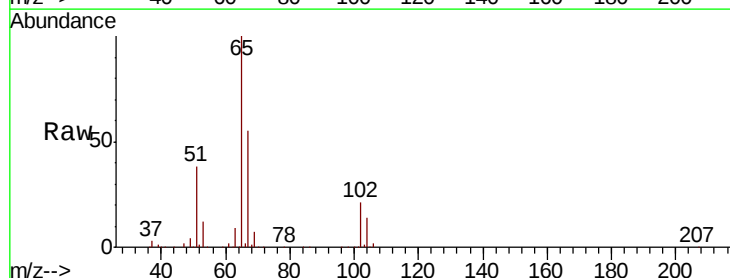
Acq: 29 Nov 2018 9:51

Tgt Ion: 65 Resp: 709835

Ion Ratio Lower Upper

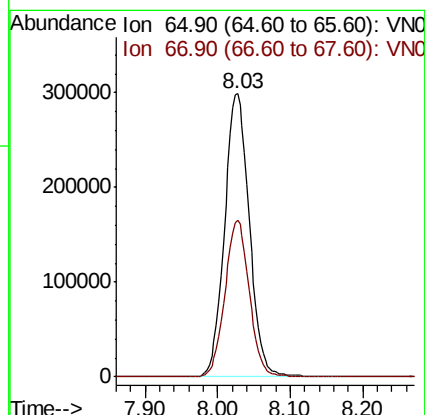
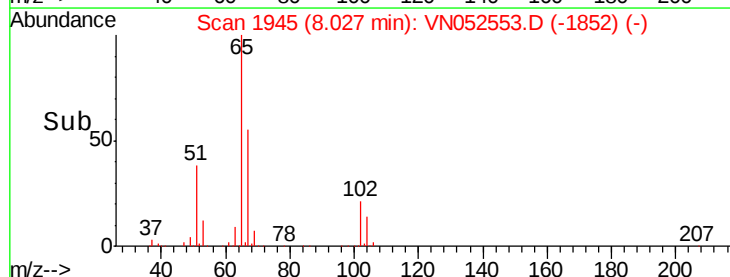
65 100

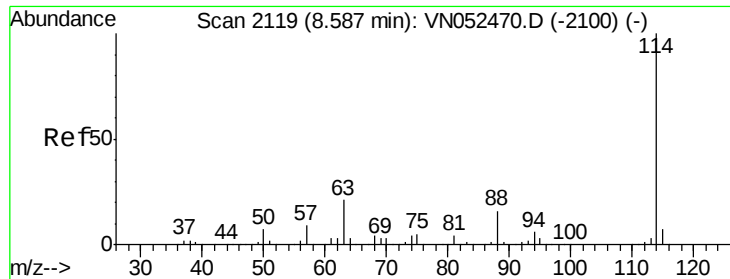
67 54.4 0.0 109.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

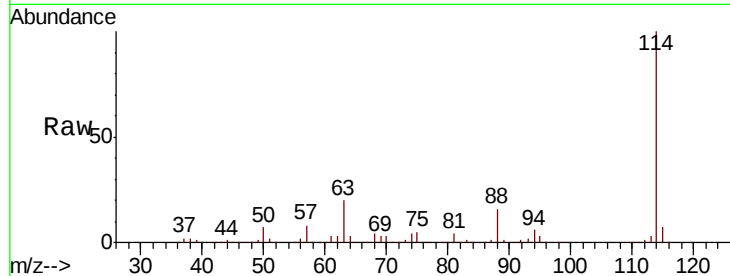




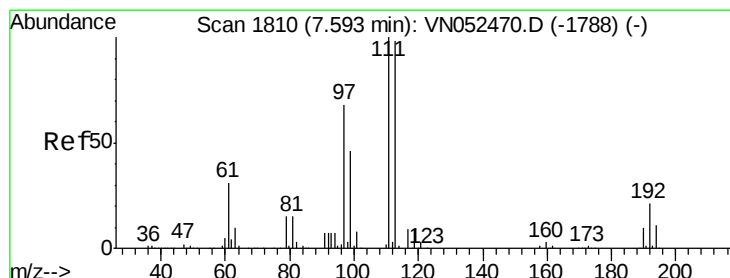
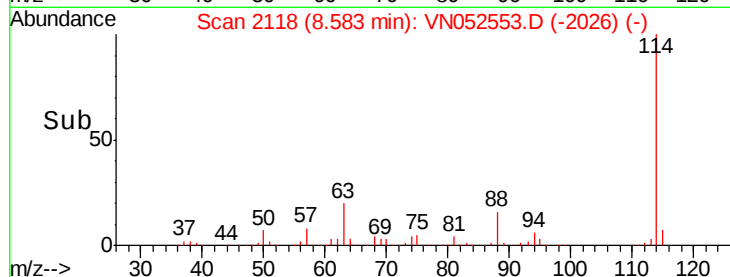
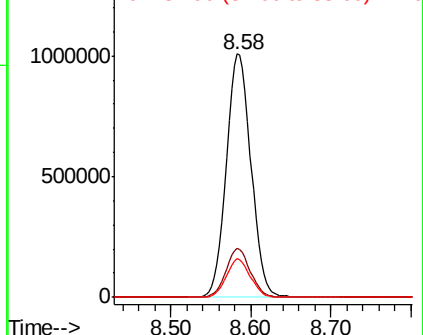
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN052553.D
 Acq: 29 Nov 2018 9:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1129WBL01

Tot Ion:114 Resp: 2118636
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 41.8
 88 15.8 0.0 31.6

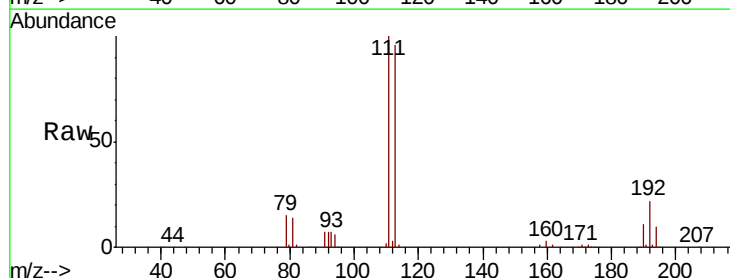


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

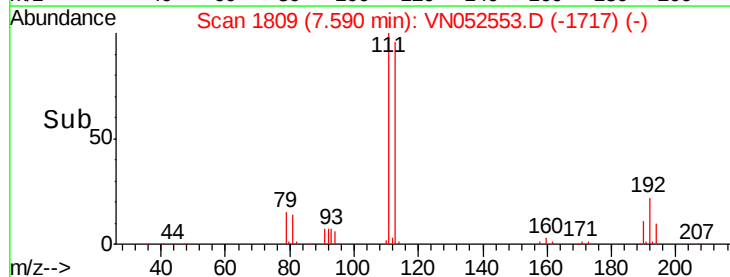
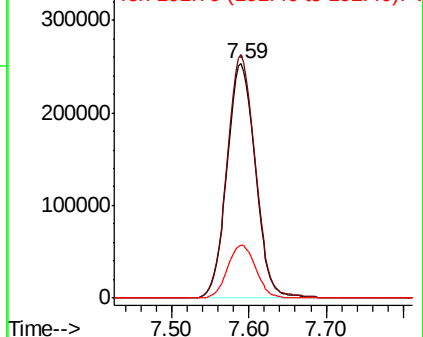


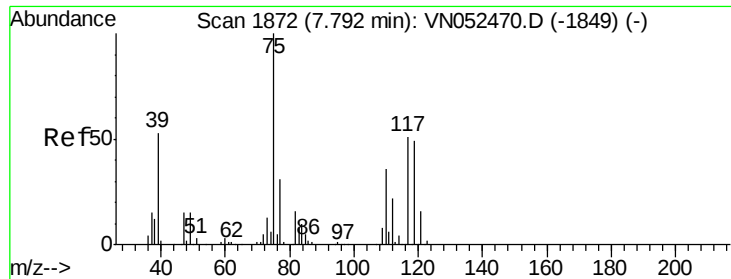
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052553.D
 Acq: 29 Nov 2018 9:51

Tgt Ion:113 Resp: 643706
 Ion Ratio Lower Upper
 113 100
 111 103.2 82.0 123.0
 192 22.6 17.0 25.6



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

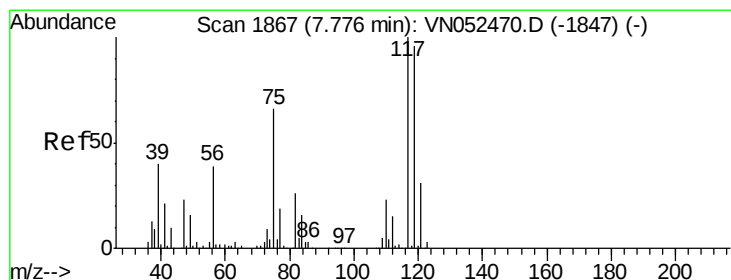
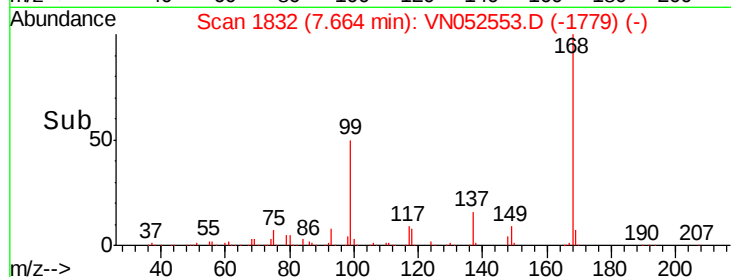
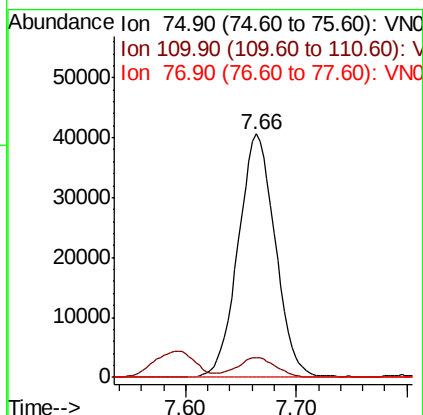
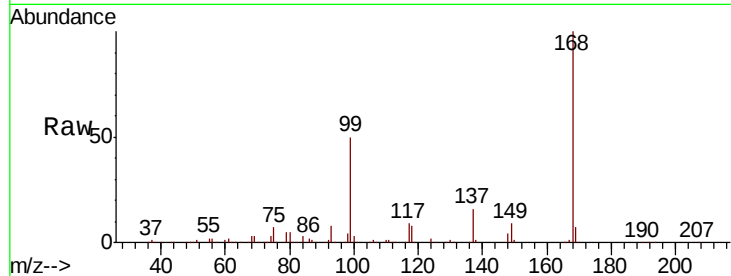




#36
 1,1-Dichloropropene
 Concen: 4.717 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN052553.D
 Acq: 29 Nov 2018 9:51

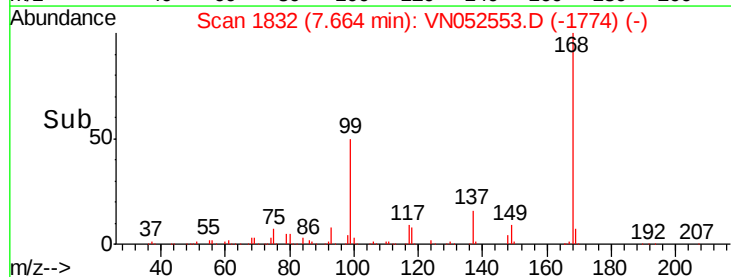
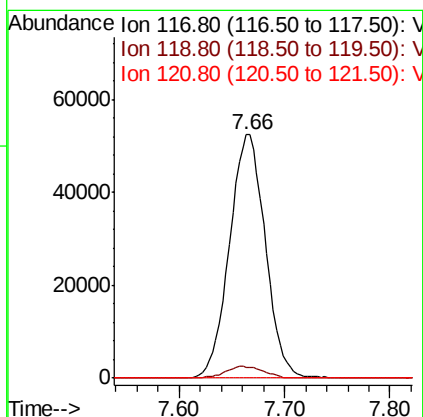
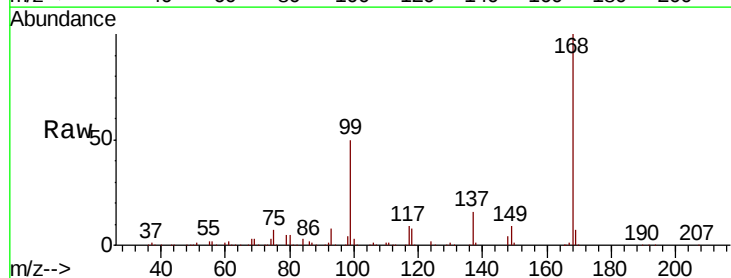
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1129WBL01

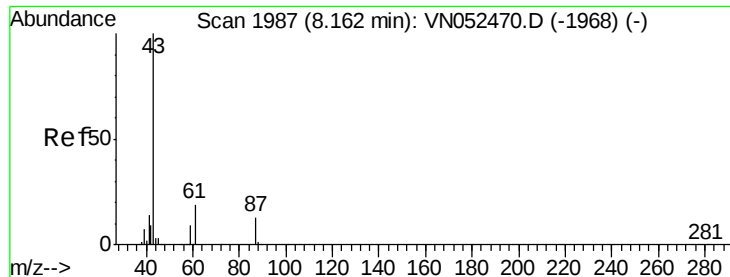
Tot Ion	75	Resp	94378
Ion Ratio	100	Lower	Upper
75	100		
110	8.4	17.5	52.6#
77	0.0	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 6.828 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN052553.D
 Acq: 29 Nov 2018 9:51

Tgt Ion	117	Resp	123673
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	4.5	76.8	115.2#
121	0.0	24.9	37.3#





#43

Isopropyl Acetate

Concen: 0.397 ug/l

RT: 8.24 min Scan# 2010

Delta R.T. 0.07 min

Lab File: VN052553.D

Acq: 29 Nov 2018 9:51

Instrument :

MSVOA_N

ClientSampleId :

VN1129WBL01

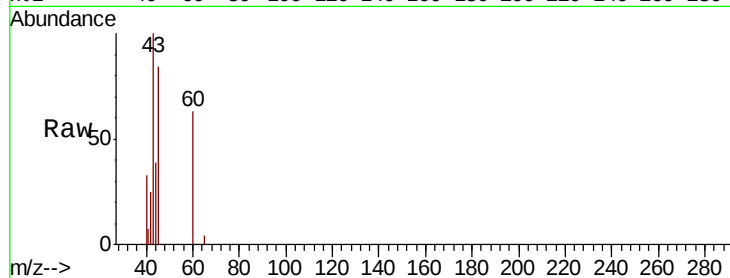
Tot Ion: 43 Resp: 8213

Ion Ratio Lower Upper

43 100

61 0.0 24.1 36.1#

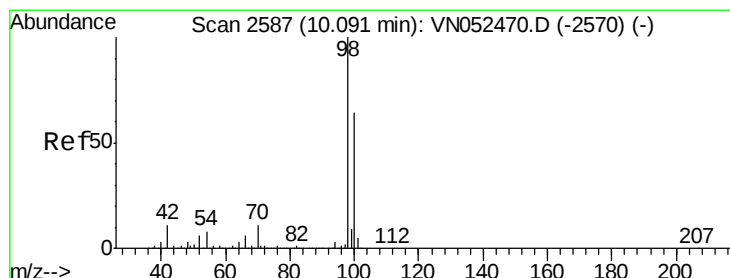
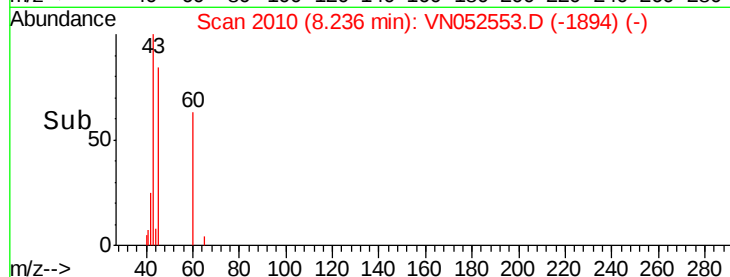
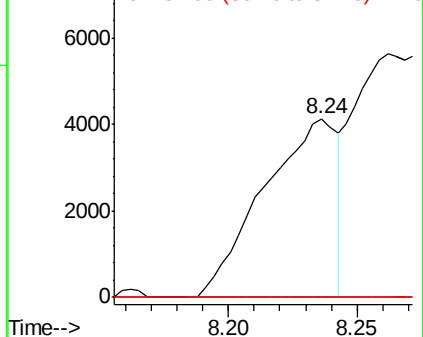
87 0.0 10.6 15.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052553.D

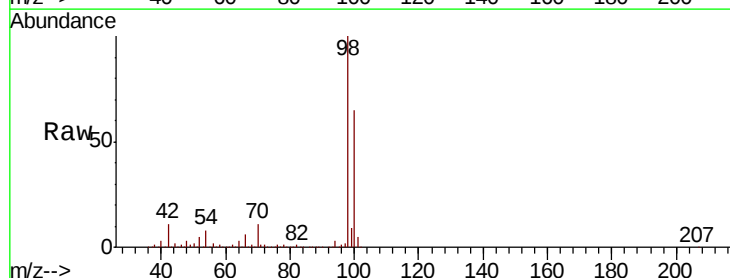
Acq: 29 Nov 2018 9:51

Tgt Ion: 98 Resp: 2540654

Ion Ratio Lower Upper

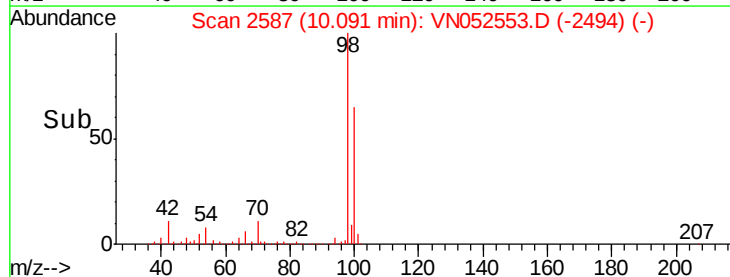
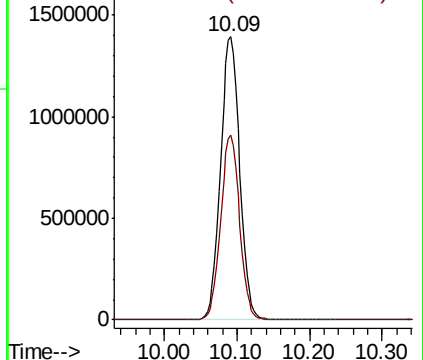
98 100

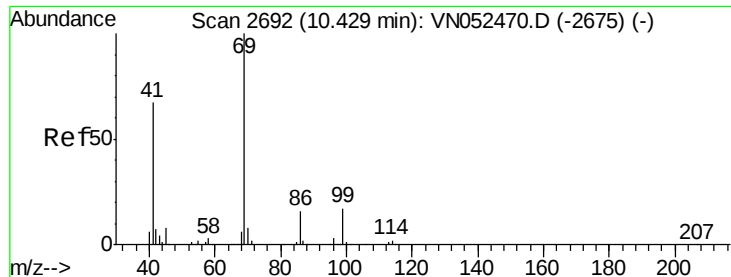
100 64.5 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#56

Ethyl methacrylate

Concen: 2.695 ug/l

RT: 10.44 min Scan# 2694

Delta R.T. 0.01 min

Lab File: VN052553.D

Acq: 29 Nov 2018 9:51

Instrument :

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VN1129WBL01

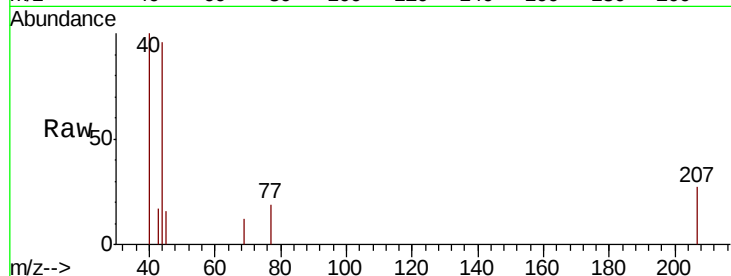
Tot Ion: 69 Resp: 29

Ion Ratio Lower Upper

69 100

41 582.8 52.6 79.0#

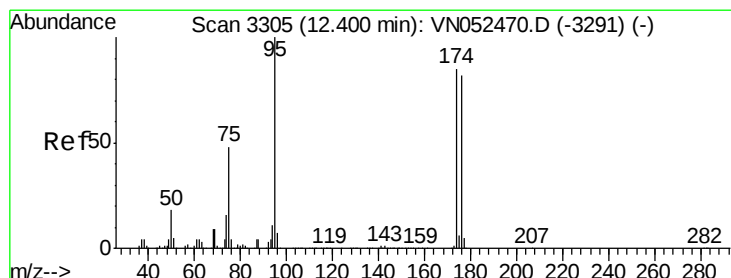
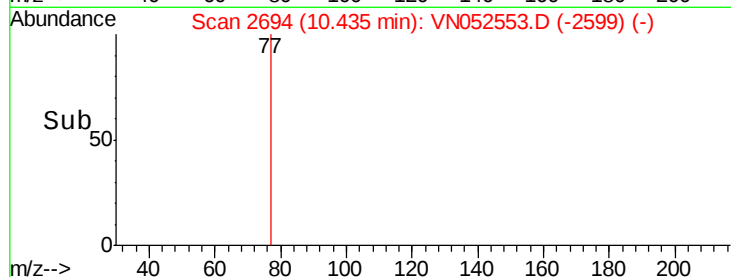
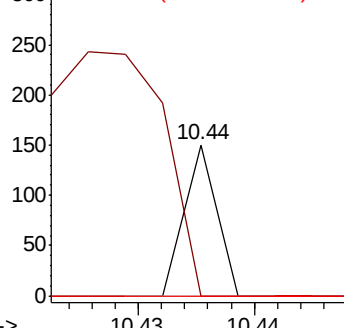
39 0.0 25.9 38.9#



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



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN052553.D

Acq: 29 Nov 2018 9:51

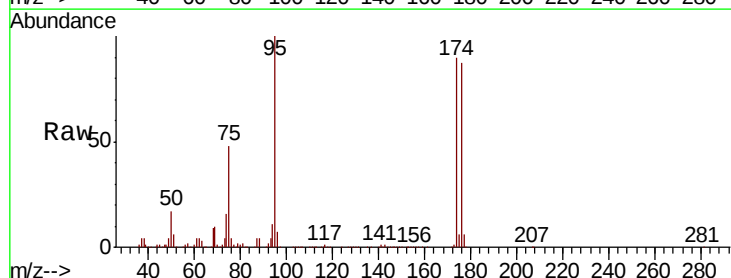
Tgt Ion: 95 Resp: 793269

Ion Ratio Lower Upper

95 100

174 88.4 0.0 173.0

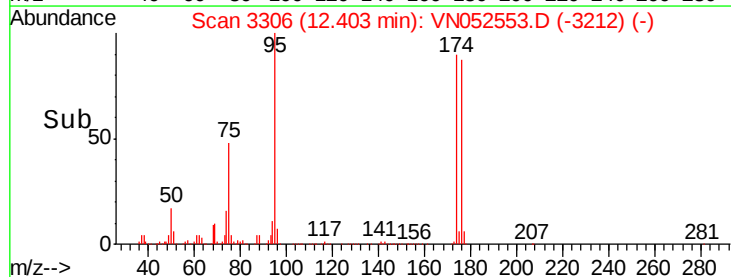
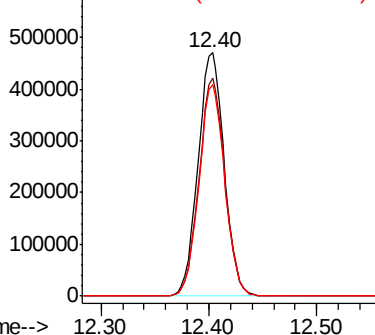
176 85.6 0.0 166.2

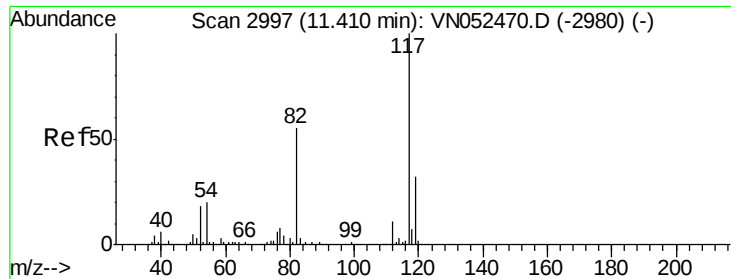


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

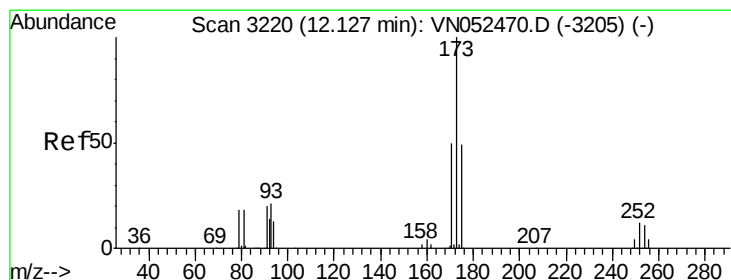
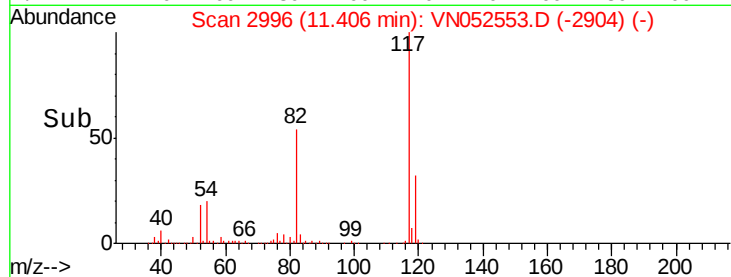
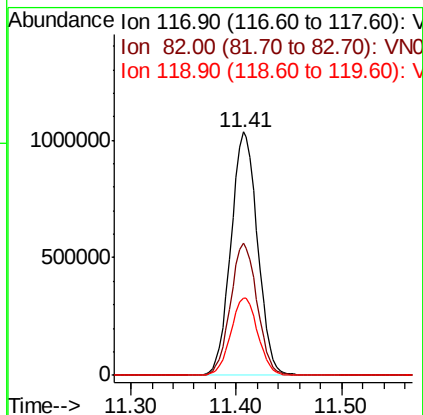
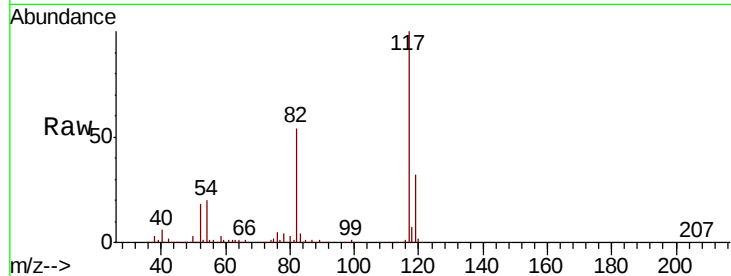




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052553.D
Acq: 29 Nov 2018 9:51

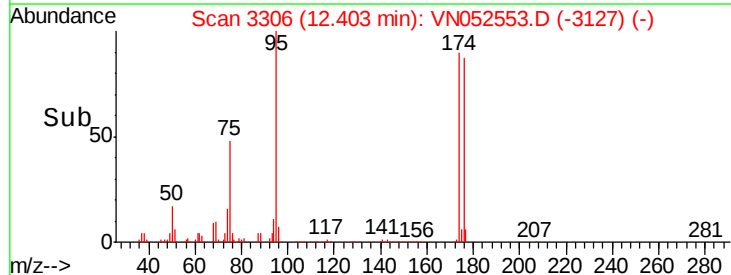
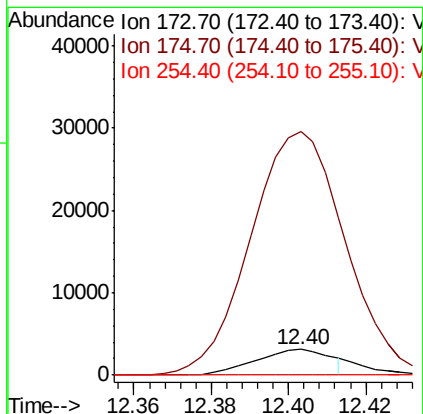
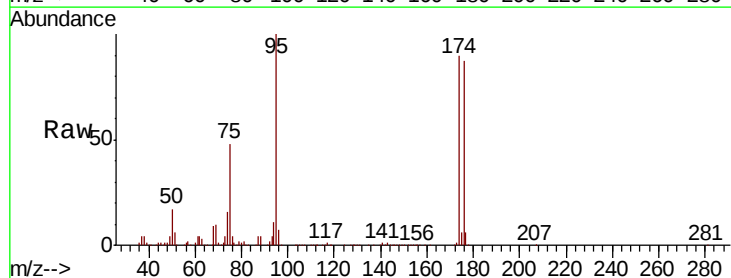
Instrument :
MSVOA_N
ClientSampled :
VN1129WBL01

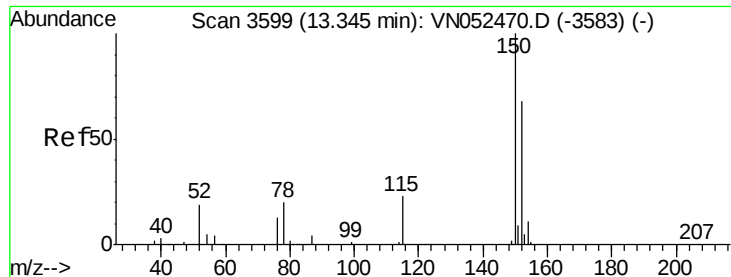
Tot Ion:117 Resp: 1806510
Ion Ratio Lower Upper
117 100
82 54.2 43.6 65.4
119 31.9 25.4 38.2



#71
Bromoform
Concen: 0.491 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN052553.D
Acq: 29 Nov 2018 9:51

Tgt Ion:173 Resp: 4210
Ion Ratio Lower Upper
173 100
175 1022.8 24.4 73.2#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN052553.D

Acq: 29 Nov 2018 9:51

Instrument :

MSVOA_N

ClientSampleId :

VN1129WBL01

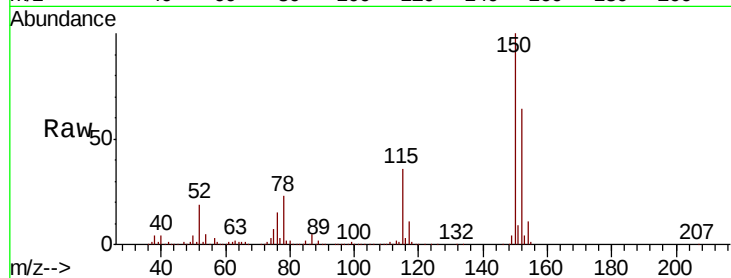
Tot Ion:152 Resp: 681110

Ion Ratio Lower Upper

152 100

115 56.1 28.4 85.2

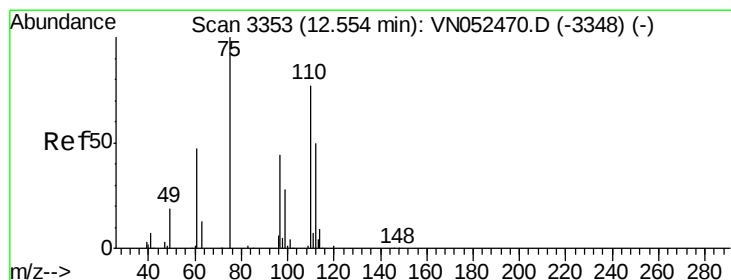
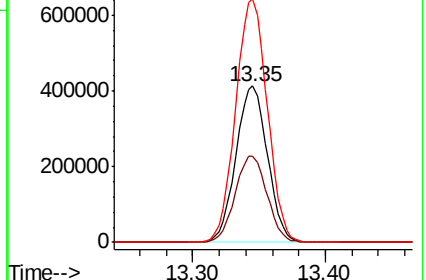
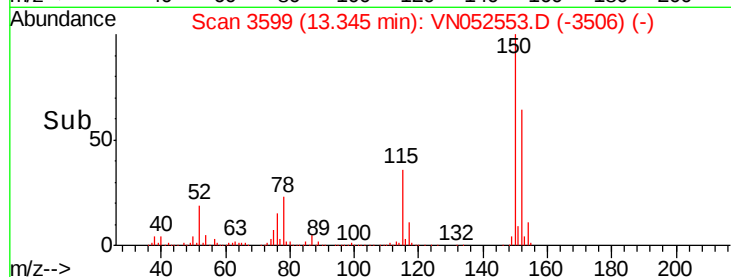
150 156.5 0.0 346.0



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



#76

1,2,3-Trichloropropane

Concen: 36.138 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052553.D

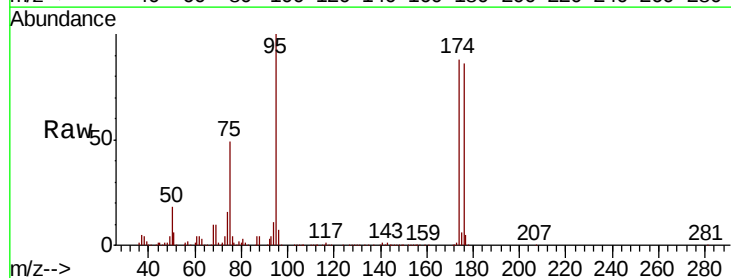
Acq: 29 Nov 2018 9:51

Tgt Ion: 75 Resp: 379565

Ion Ratio Lower Upper

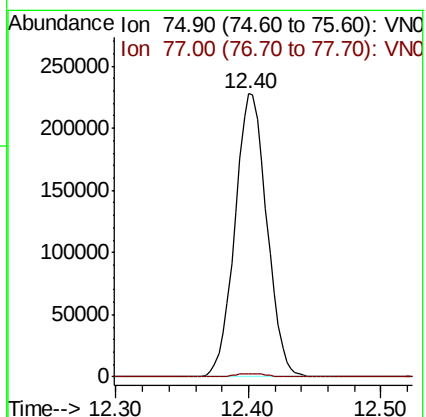
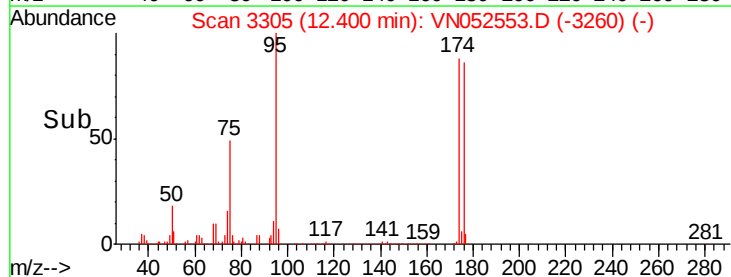
75 100

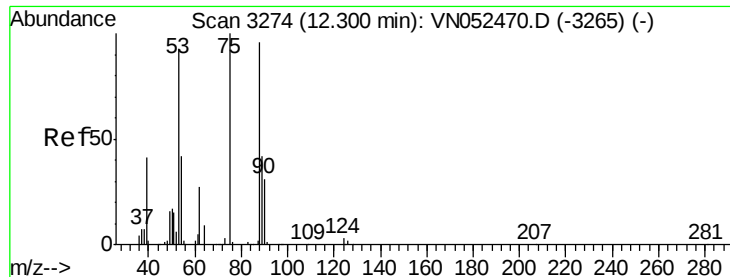
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 120.685 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052553.D

Acq: 29 Nov 2018 9:51

Instrument :

MSVOA_N

ClientSampleId :

VN1129WBL01

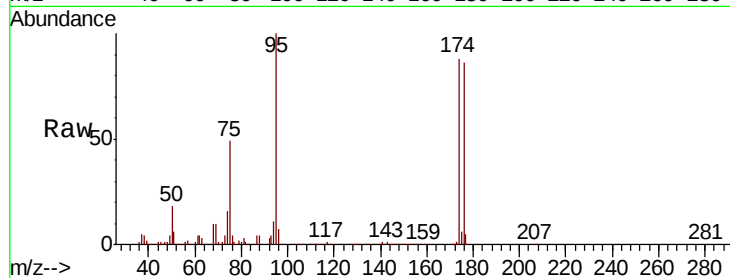
Tot Ion: 75 Resp: 379565

Ion Ratio Lower Upper

75 100

53 0.0 77.4 116.0#

89 0.0 35.4 53.2#

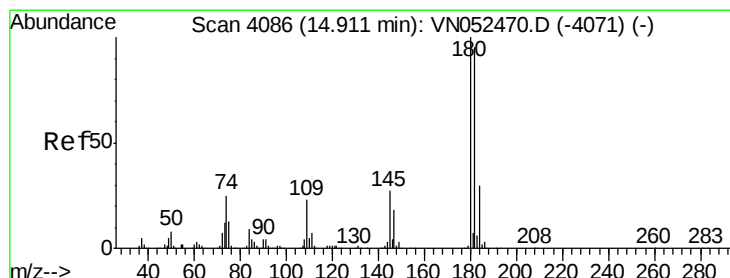
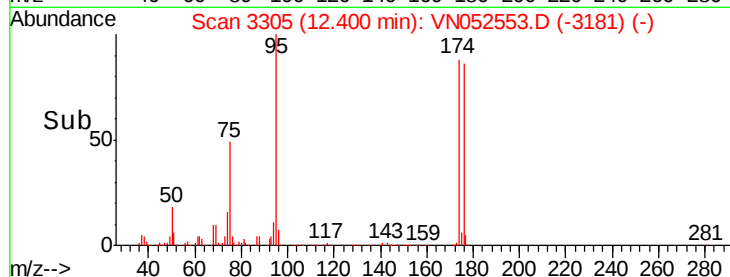
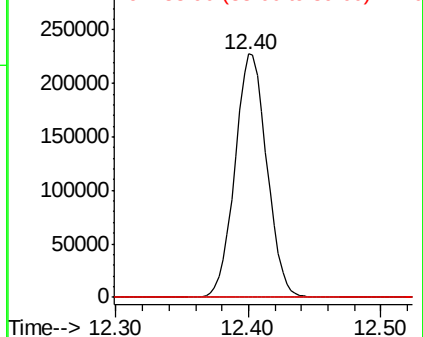


Abundance

Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#93

1,2,4-Trichlorobenzene

Concen: 3.094 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN052553.D

Acq: 29 Nov 2018 9:51

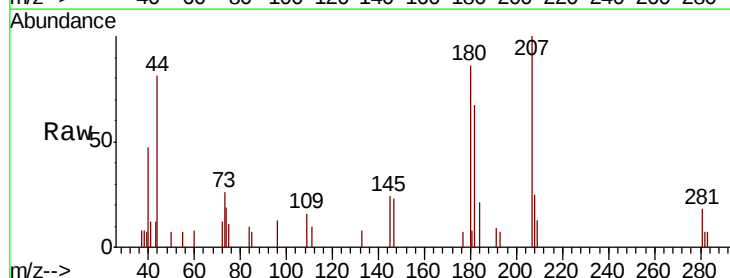
Tgt Ion:180 Resp: 3389

Ion Ratio Lower Upper

180 100

182 83.9 47.8 143.4

145 19.7 14.1 42.3

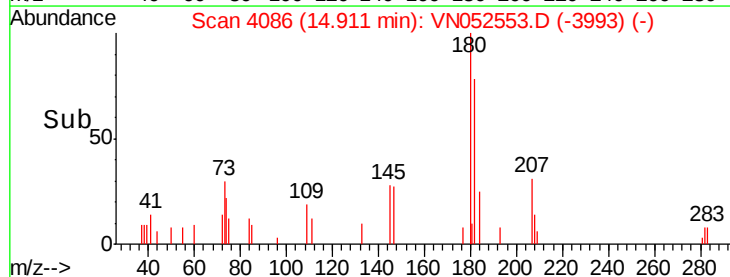
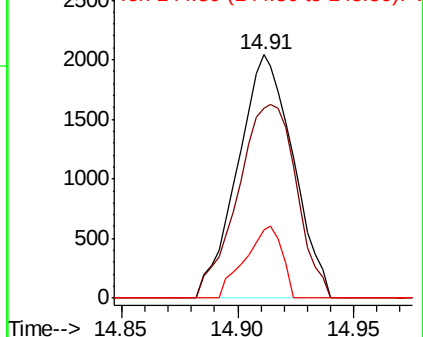


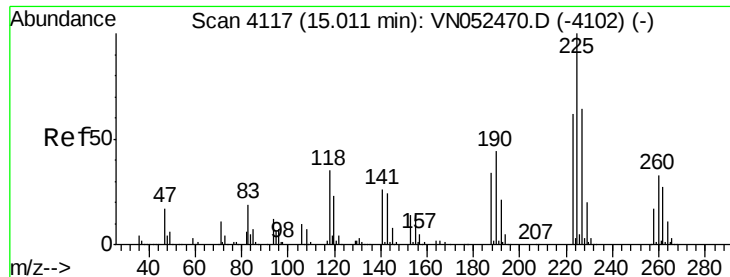
Abundance

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





#94

Hexachlorobutadiene

Concen: 0.232 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. -0.00 min

Lab File: VN052553.D

Acq: 29 Nov 2018 9:51

Instrument :

MSVOA_N

ClientSampled :

VN1129WBL01

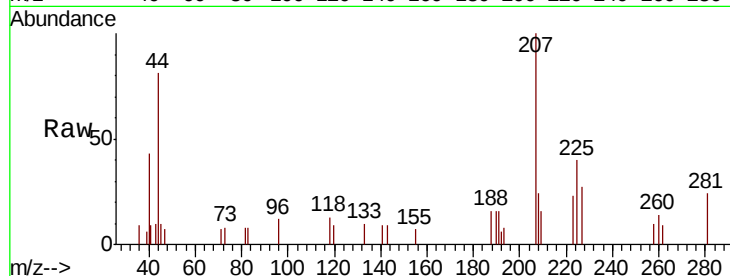
Tot Ion:225 Resp: 1648

Ion Ratio Lower Upper

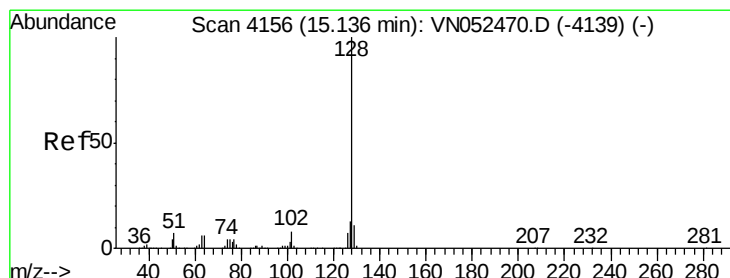
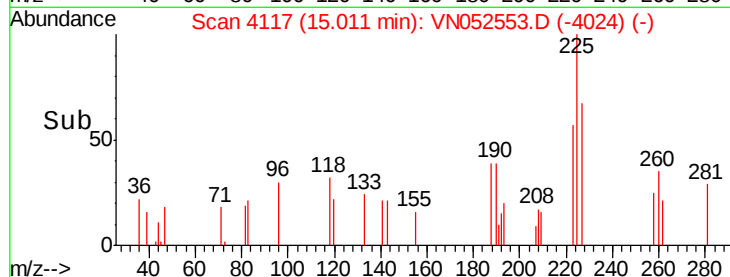
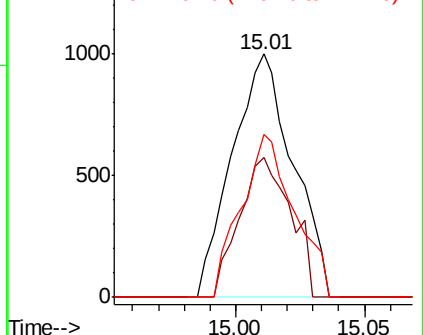
225 100

223 48.4 31.4 94.2

227 58.3 32.5 97.4



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



#95

Naphthalene

Concen: 3.806 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN052553.D

Acq: 29 Nov 2018 9:51

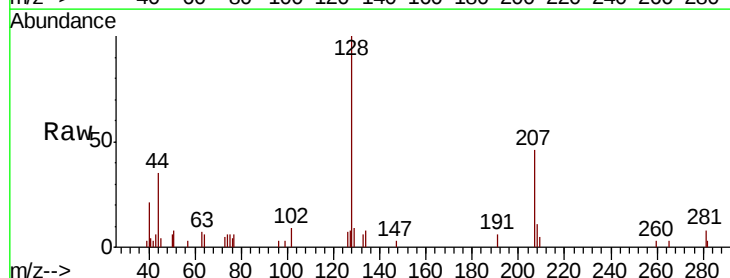
Tgt Ion:128 Resp: 10386

Ion Ratio Lower Upper

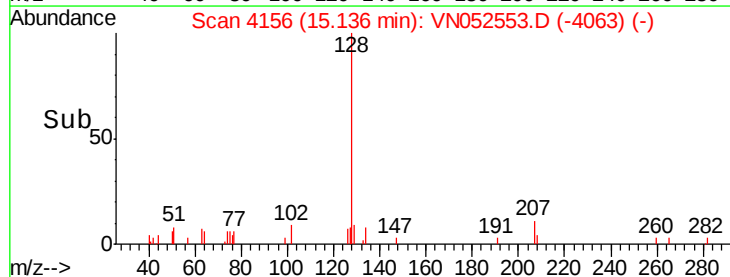
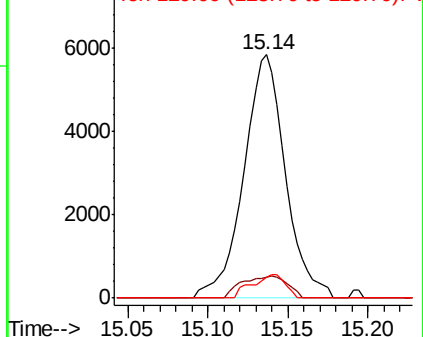
128 100

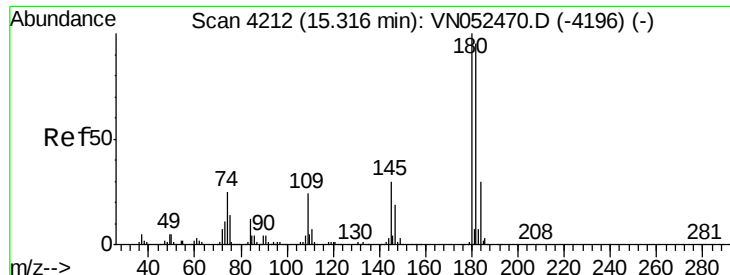
127 9.8 10.2 15.2#

129 7.7 8.7 13.1#



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

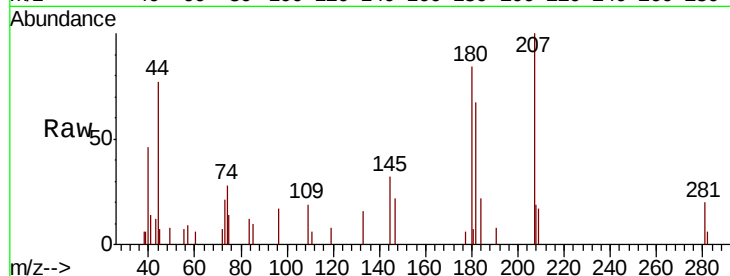




#96
 1,2,3-Trichlorobenzene
 Concen: 3.066 ug/l
 RT: 15.32 min Scan# 4213
 Delta R.T. 0.00 min
 Lab File: VN052553.D
 Acq: 29 Nov 2018 9:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1129WBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	88.0	47.8	143.3
145	32.2	15.2	45.5



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

