

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120318\
 Data File : VN052634.D
 Acq On : 3 Dec 2018 16:29
 Operator : MD\SY
 Sample : PB115231ZHE#05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB115231ZHE#05

Quant Time: Dec 04 00:33:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1204486	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1853148	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1638337	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	622612	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	631442	48.15	ug/l	0.00
Spiked Amount			Recovery	=	96.30%	
35) Dibromofluoromethane	7.59	113	571034	49.98	ug/l	0.00
Spiked Amount			Recovery	=	99.96%	
50) Toluene-d8	10.09	98	2266101	50.96	ug/l	0.00
Spiked Amount			Recovery	=	101.92%	
62) 4-Bromofluorobenzene	12.40	95	718877	48.11	ug/l	0.00
Spiked Amount			Recovery	=	96.22%	

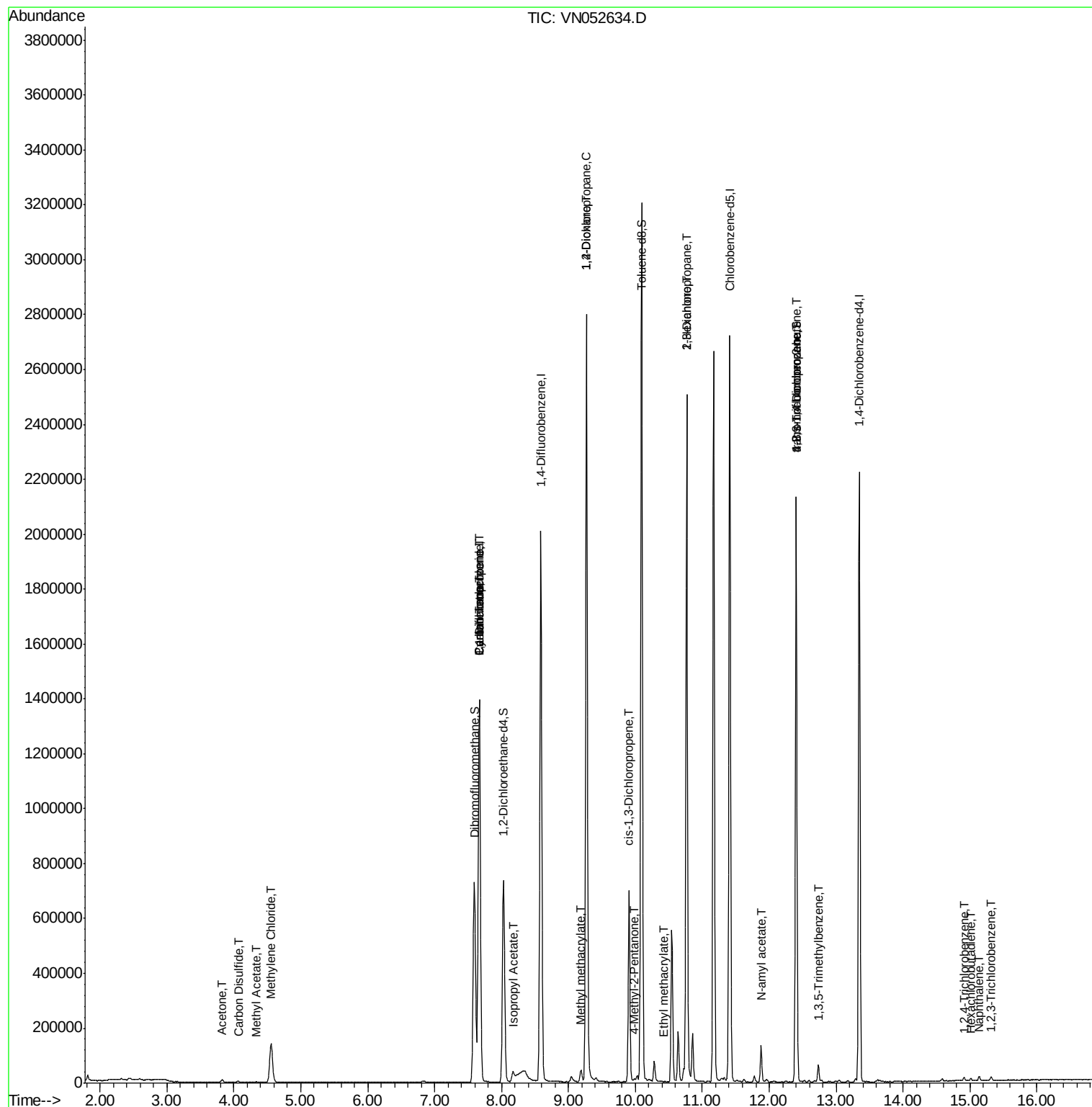
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	16239	4.695	ug/l	96
17) Carbon Disulfide	4.07	76	7735	0.218	ug/l #	93
18) Methyl Acetate	4.34	43	3108	0.313	ug/l #	84
20) Methylene Chloride	4.56	84	108984	8.051	ug/l	96
31) Cyclohexane	7.67	56	21229	0.579	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	81028	4.630	ug/l #	50
38) Carbon Tetrachloride	7.67	117	105452	6.656	ug/l #	16
43) Isopropyl Acetate	8.17	43	54849	3.035	ug/l #	82
45) 1,2-Dichloropropane	9.27	63	3673	0.265	ug/l #	43
48) Methyl methacrylate	9.18	41	14946	1.586	ug/l #	13
49) 1,4-Dioxane	9.27	88	269	2.750	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	7688	0.758	ug/l	98
54) cis-1,3-Dichloropropene	9.90	75	128243	6.666	ug/l #	63
56) Ethyl methacrylate	10.43	69	220	2.707	ug/l #	25
57) 1,3-Dichloropropane	10.77	76	26427	1.373	ug/l #	43
59) 2-Hexanone	10.77	43	371586	54.597	ug/l #	51
74) N-amyl acetate	11.88	43	43333	3.511	ug/l #	52
76) 1,2,3-Trichloropropane	12.40	75	345237	35.958	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	31619	0.812	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	345237	120.084	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.91	180	4449	3.209	ug/l	97
94) Hexachlorobutadiene	15.01	225	1648	0.254	ug/l	84
95) Naphthalene	15.14	128	12723	3.934	ug/l	96
96) 1,2,3-Trichlorobenzene	15.32	180	5332	3.223	ug/l	89

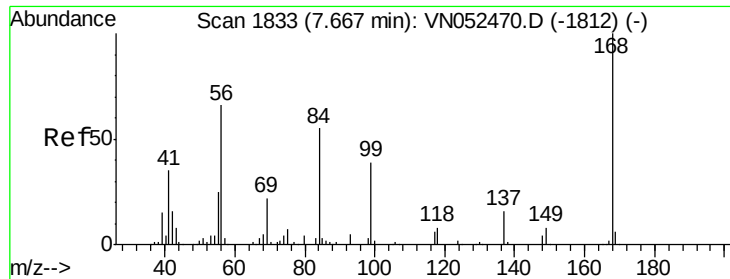
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN120318\
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Acq On : 3 Dec 2018 16:29
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Quant Time: Dec 04 00:33:19 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
Quant Title : SW846 8260
QLast Update : Mon Dec 03 03:24:02 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: VN052634.D

Acq: 3 Dec 2018 16:29

Instrument :

MSVOA_N

ClientSampleId :

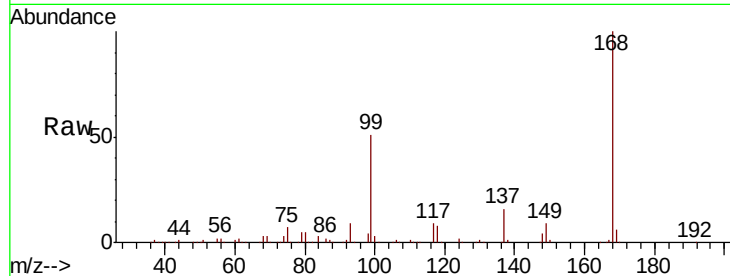
PB115231ZHE#05

Tot Ion:168 Resp: 1204486

Ion Ratio Lower Upper

168 100

99 50.8 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): VN052470.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN052470.D (-1812) (-)

7.67

500000

400000

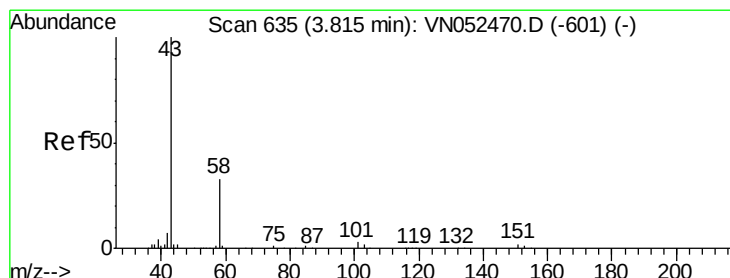
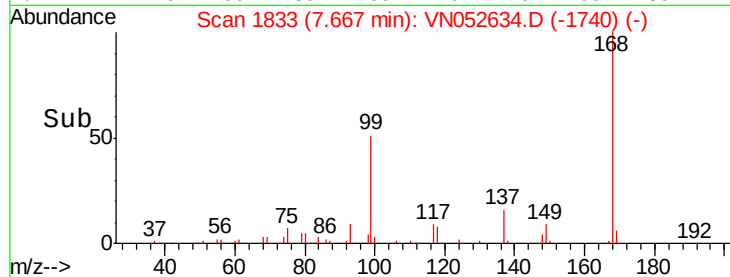
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 4.695 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN052634.D

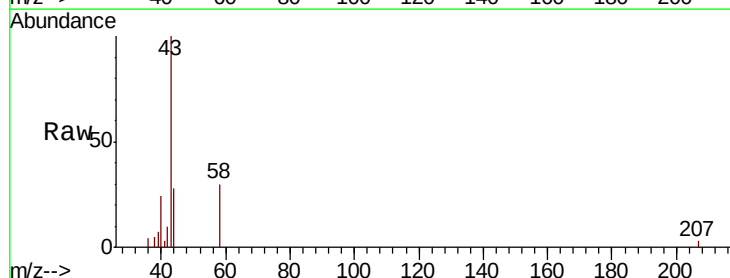
Acq: 3 Dec 2018 16:29

Tgt Ion: 43 Resp: 16239

Ion Ratio Lower Upper

43 100

58 30.1 26.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-601) (-)

Ion 58.00 (57.70 to 58.70): VN052470.D (-601) (-)

3.82

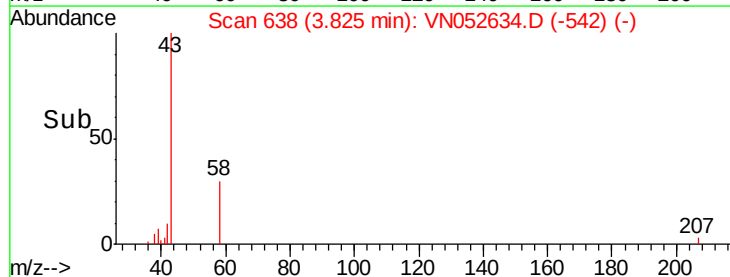
6000

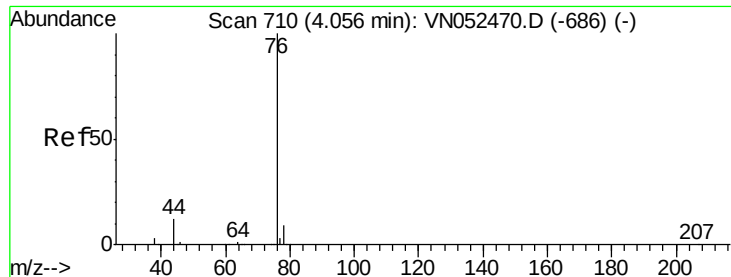
4000

2000

0

Time-->





#17

Carbon Disulfide

Concen: 0.218 ug/l

RT: 4.07 min Scan# 713

Delta R.T. 0.01 min

Lab File: VN052634.D

Acq: 3 Dec 2018 16:29

Instrument :

MSVOA_N

ClientSampleId :

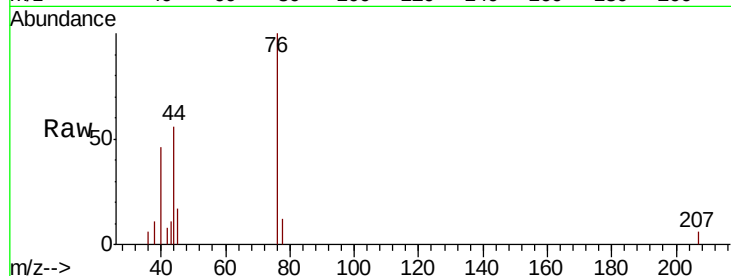
PB115231ZHE#05

Tot Ion: 76 Resp: 7735

Ion Ratio Lower Upper

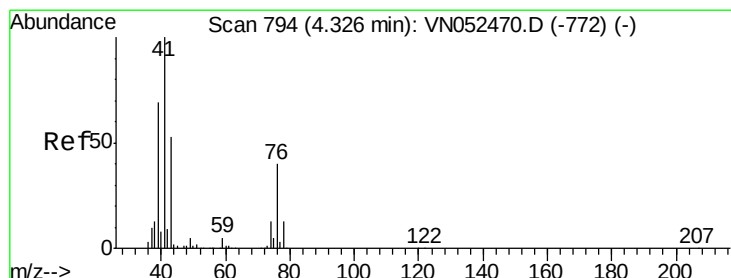
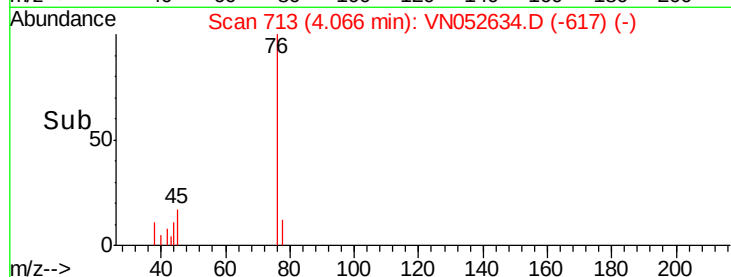
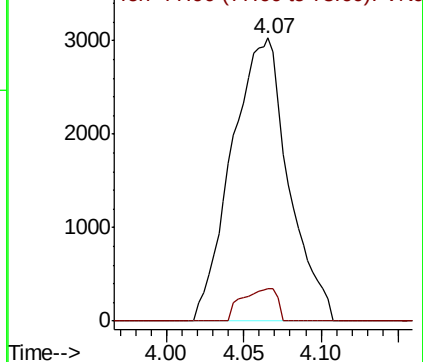
76 100

78 11.7 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 0.313 ug/l

RT: 4.34 min Scan# 798

Delta R.T. 0.01 min

Lab File: VN052634.D

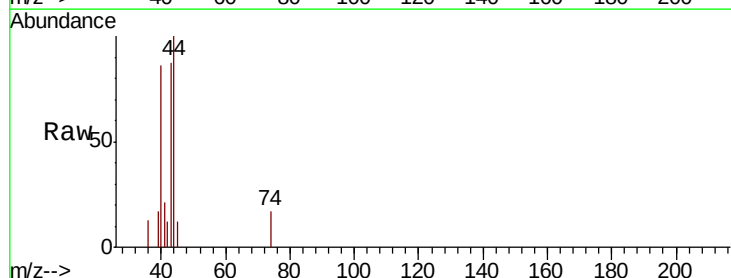
Acq: 3 Dec 2018 16:29

Tgt Ion: 43 Resp: 3108

Ion Ratio Lower Upper

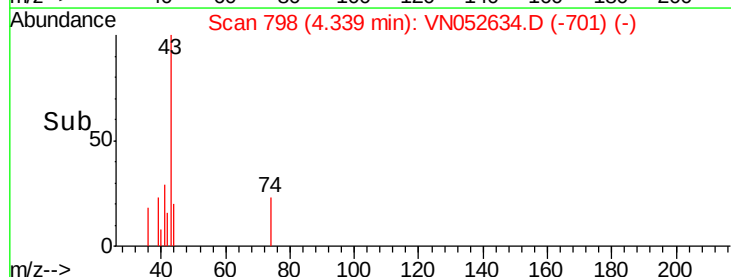
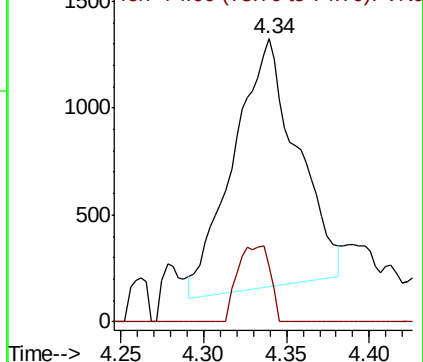
43 100

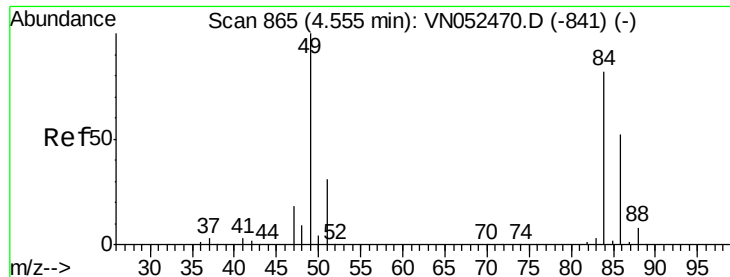
74 15.5 18.6 27.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

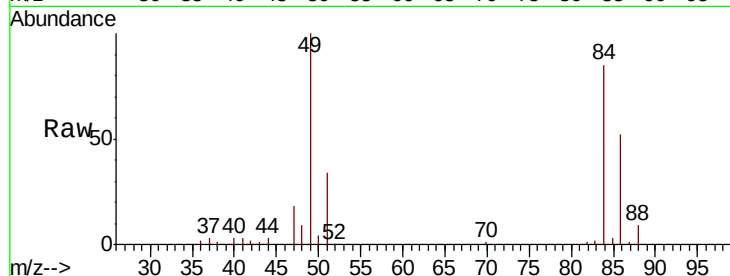




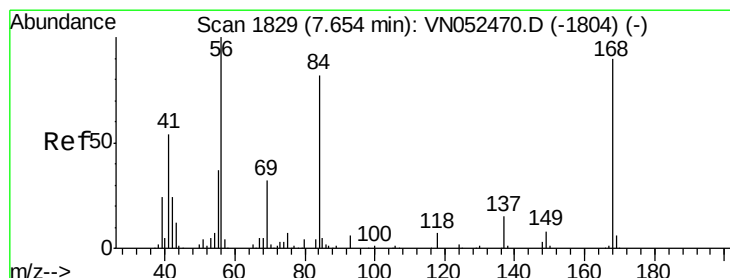
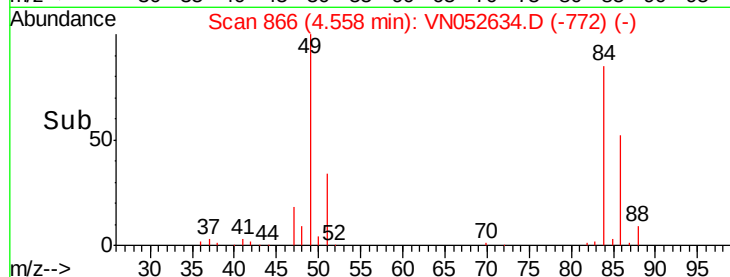
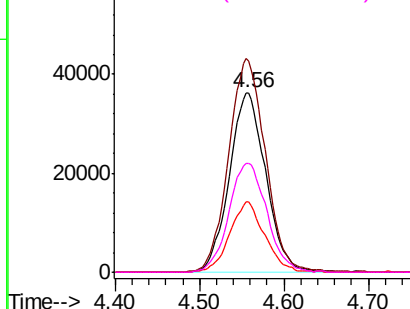
#20
Methylene Chloride
Concen: 8.051 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN052634.D
Acq: 3 Dec 2018 16:29

Instrument :
MSVOA_N
ClientSampleId :
PB115231ZHE#05

Tot Ion: 84 Resp: 108984
Ion Ratio Lower Upper
84 100
49 116.9 98.0 147.0
51 39.4 30.1 45.1
86 60.8 50.7 76.1

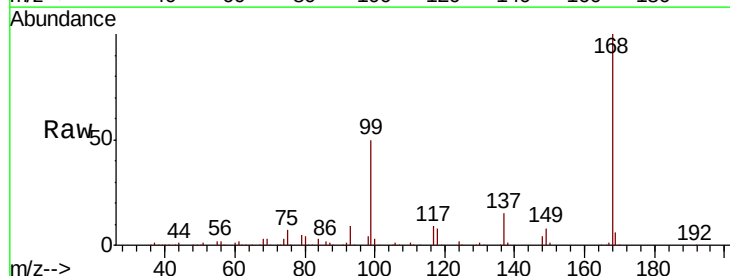


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

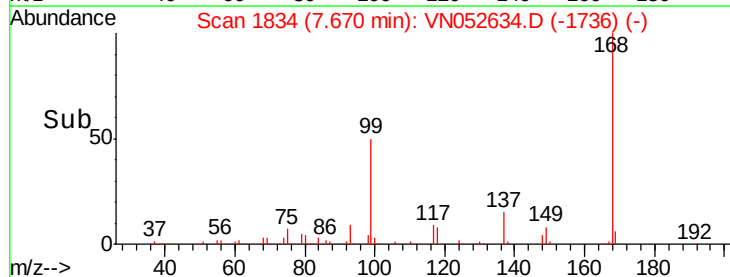
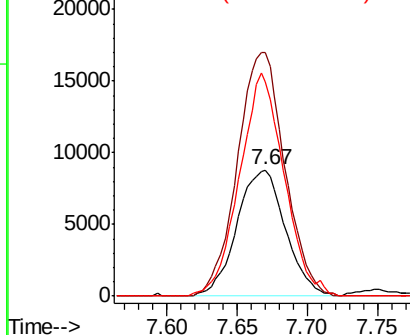


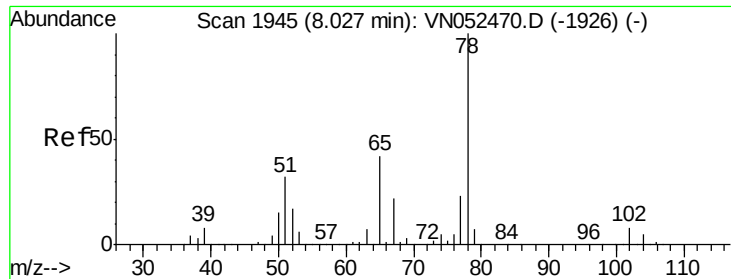
#31
Cyclohexane
Concen: 0.579 ug/l
RT: 7.67 min Scan# 1834
Delta R.T. 0.02 min
Lab File: VN052634.D
Acq: 3 Dec 2018 16:29

Tgt Ion: 56 Resp: 21229
Ion Ratio Lower Upper
56 100
69 193.5 25.8 38.6#
84 170.5 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

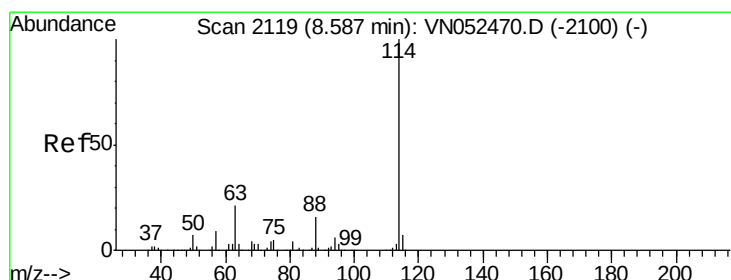
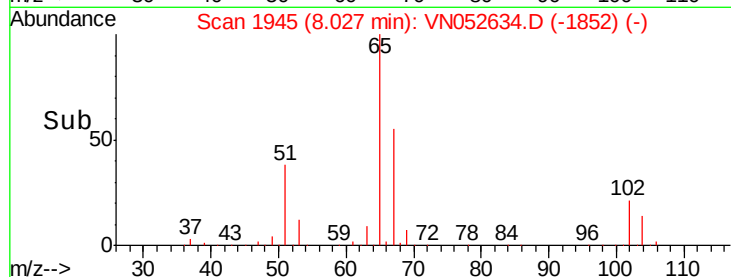
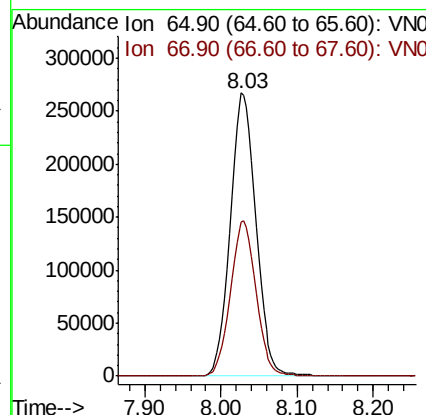
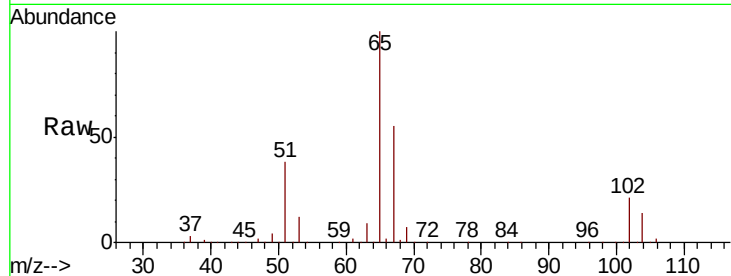




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052634.D
 Acq: 3 Dec 2018 16:29

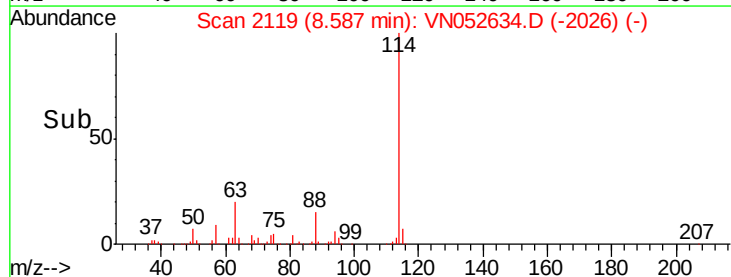
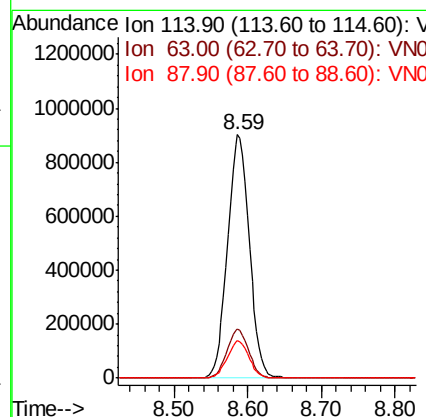
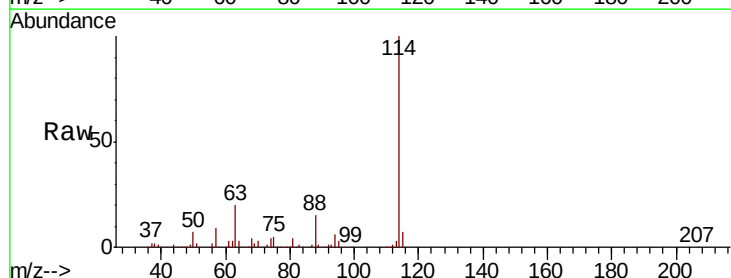
Instrument :
 MSVOA_N
 ClientSampleId :
 PB115231ZHE#05

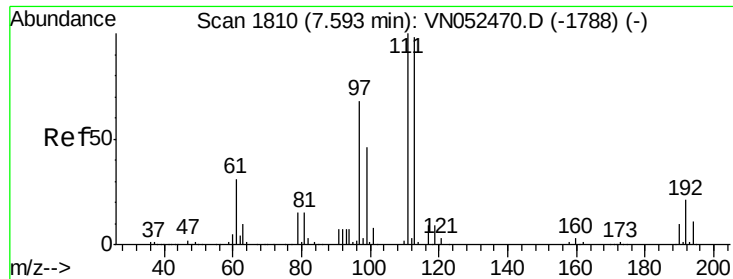
Tot Ion: 65 Resp: 631442
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052634.D
 Acq: 3 Dec 2018 16:29

Tgt Ion: 114 Resp: 1853148
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 41.8
 88 15.3 0.0 31.6

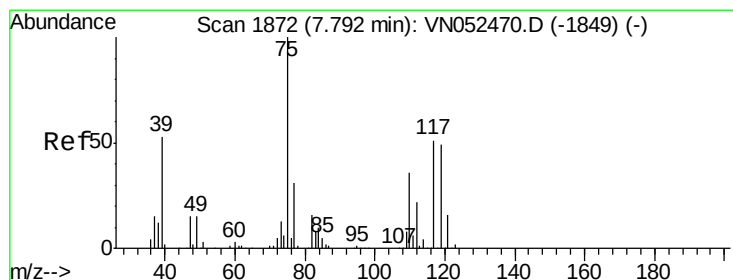
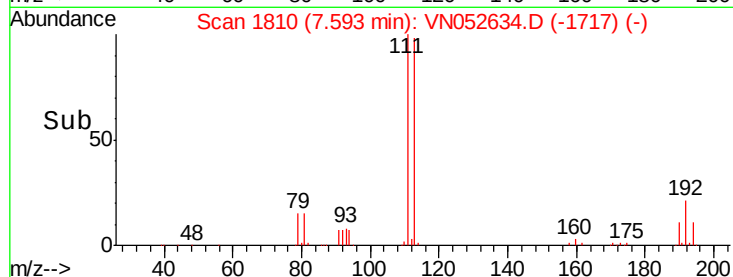
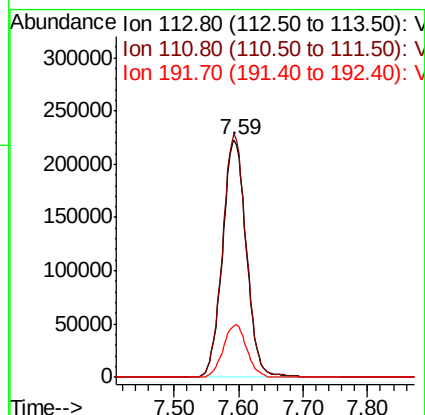
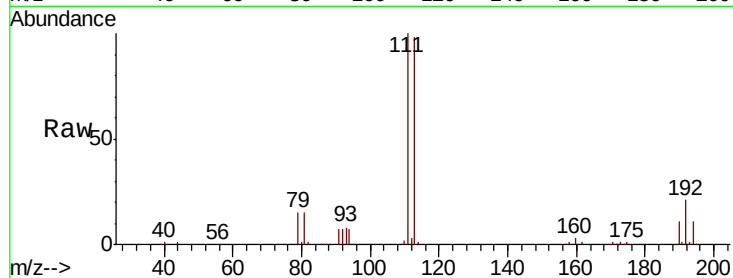




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN052634.D
 Acq: 3 Dec 2018 16:29

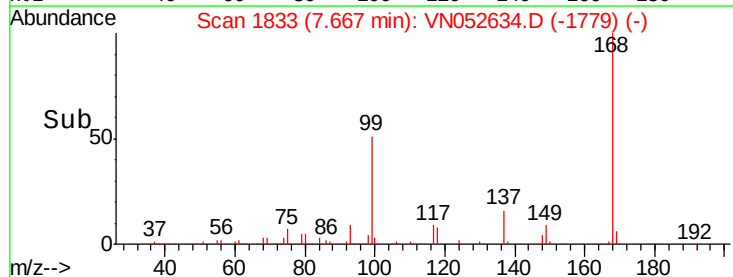
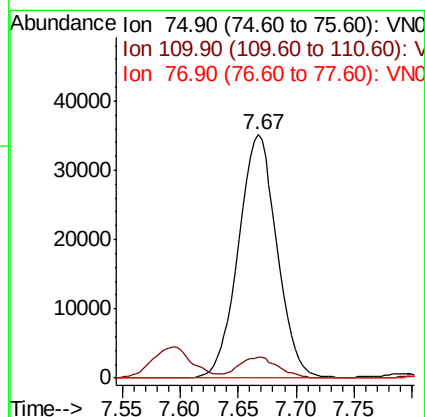
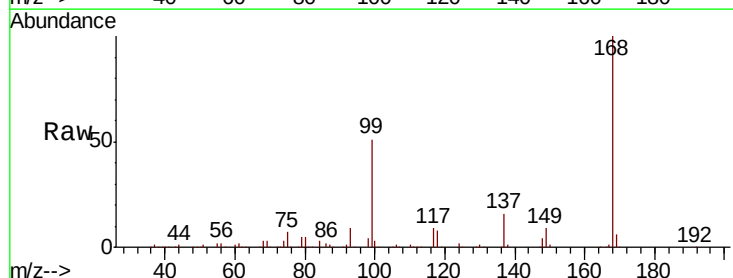
Instrument :
 MSVOA_N
 ClientSampleId :
 PB115231ZHE#05

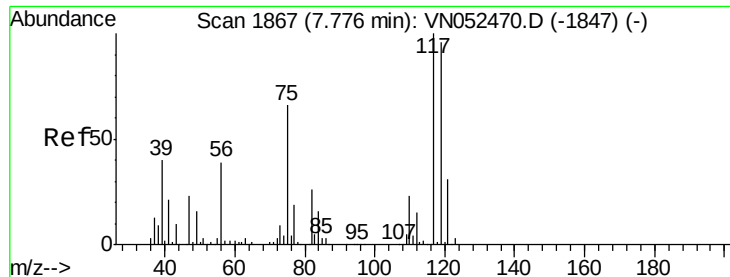
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.0	123.0
192	22.0	17.0	25.6



#36
 1,1-Dichloropropene
 Concen: 4.630 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN052634.D
 Acq: 3 Dec 2018 16:29

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	17.5	52.6#
77	0.0	24.5	36.7#





#38

Carbon Tetrachloride

Concen: 6.656 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052634.D

Acq: 3 Dec 2018 16:29

Instrument :

MSVOA_N

ClientSampleId :

PB115231ZHE#05

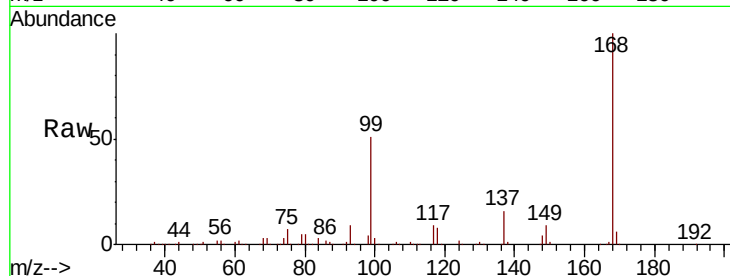
Tot Ion:117 Resp: 105452

Ion Ratio Lower Upper

117 100

119 4.8 76.8 115.2#

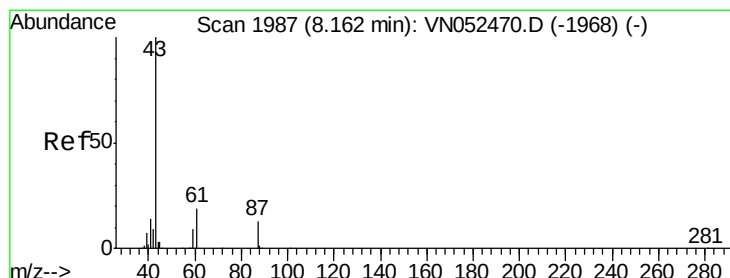
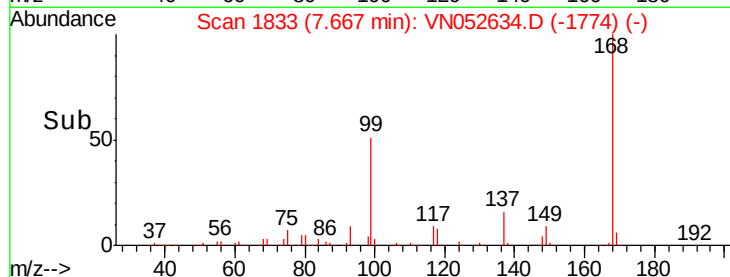
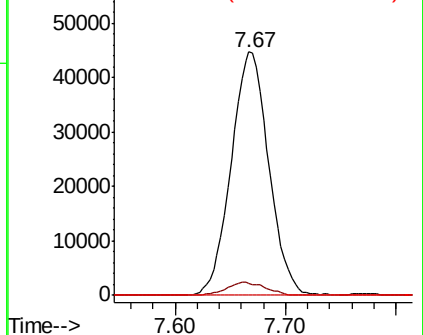
121 0.0 24.9 37.3#



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: 3.035 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN052634.D

Acq: 3 Dec 2018 16:29

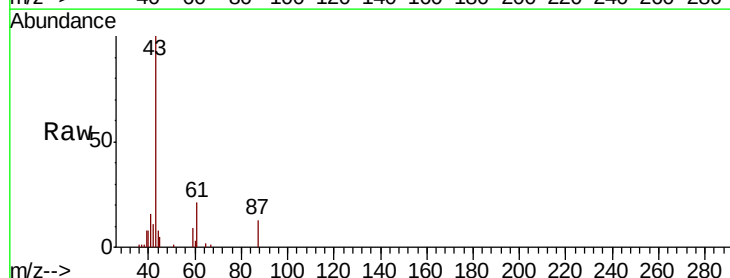
Tgt Ion: 43 Resp: 54849

Ion Ratio Lower Upper

43 100

61 17.7 24.1 36.1#

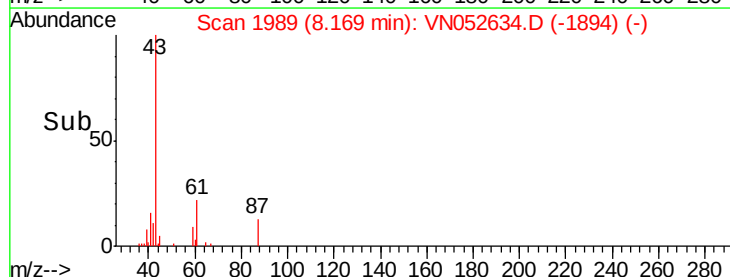
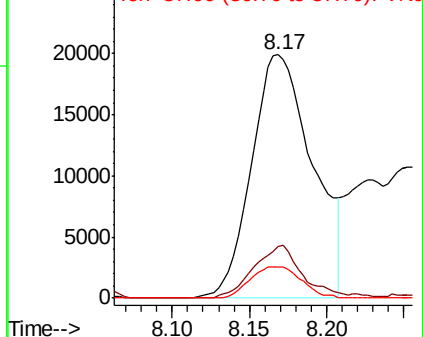
87 10.8 10.6 15.8

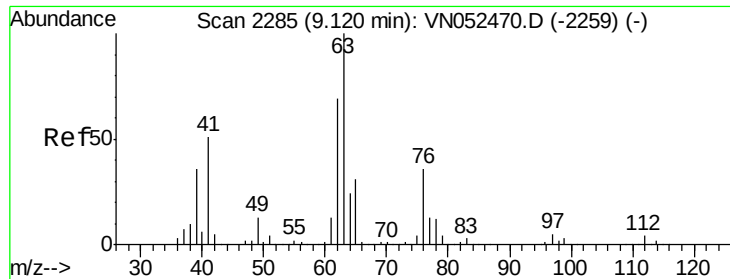


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

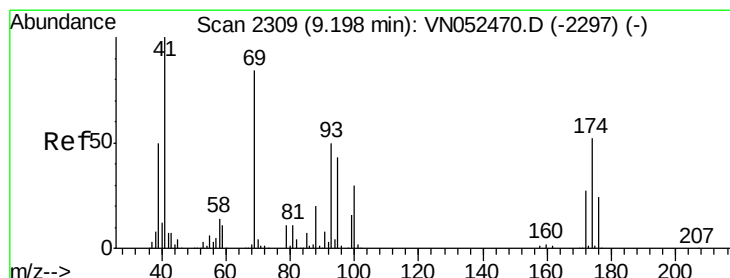
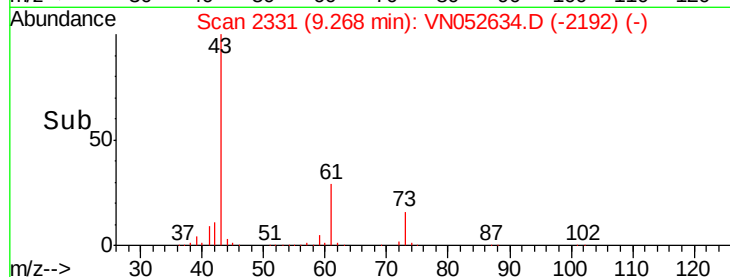
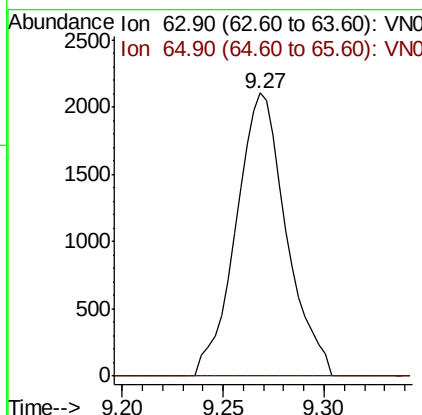
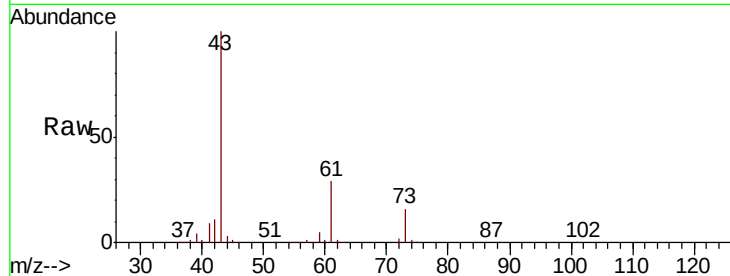




#45
 1,2-Dichloropropane
 Concen: 0.265 ug/l
 RT: 9.27 min Scan# 2331
 Delta R.T. 0.15 min
 Lab File: VN052634.D
 Acq: 3 Dec 2018 16:29

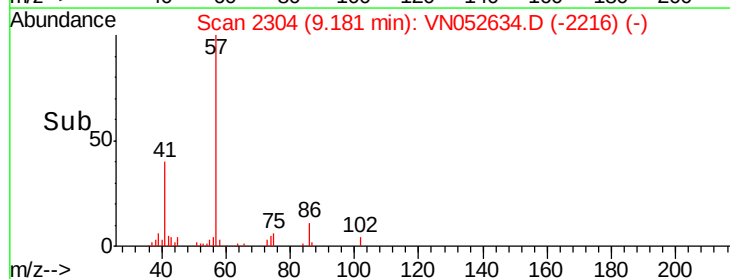
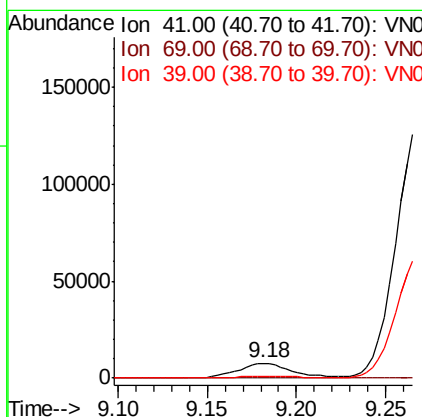
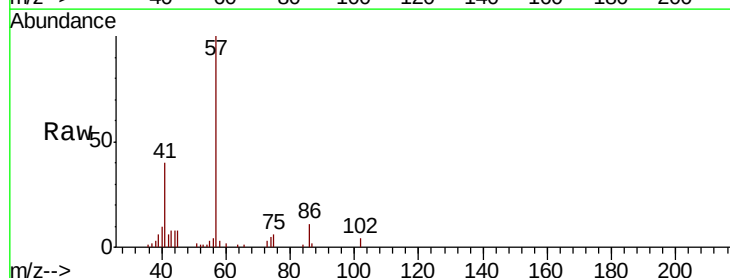
Instrument :
 MSVOA_N
 ClientSampleId :
 PB115231ZHE#05

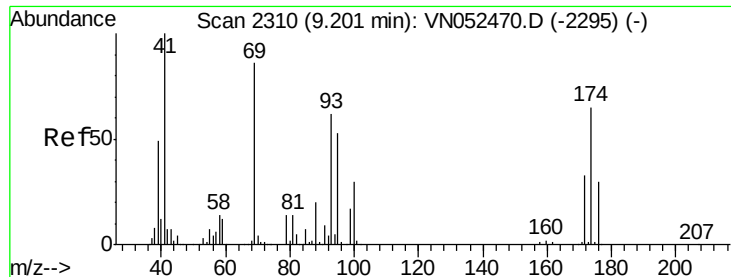
Tot Ion: 63 Resp: 3673
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.0 37.6#



#48
 Methyl methacrylate
 Concen: 1.586 ug/l
 RT: 9.18 min Scan# 2304
 Delta R.T. -0.02 min
 Lab File: VN052634.D
 Acq: 3 Dec 2018 16:29

Tgt Ion: 41 Resp: 14946
 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: 2.750 ug/l

RT: 9.27 min Scan# 2332

Delta R.T. 0.07 min

Lab File: VN052634.D

Acq: 3 Dec 2018 16:29

Instrument :

MSVOA_N

ClientSampleId :

PB115231ZHE#05

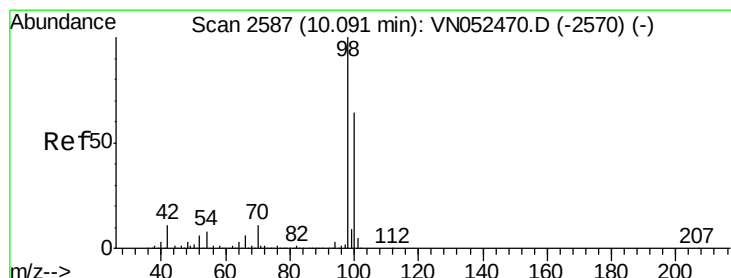
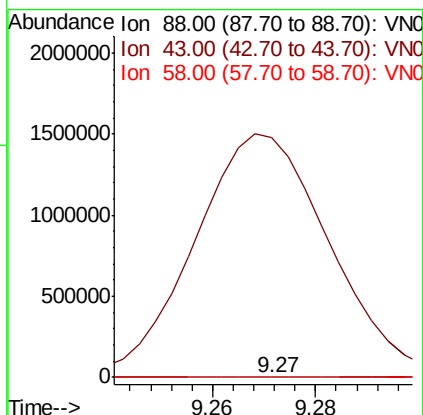
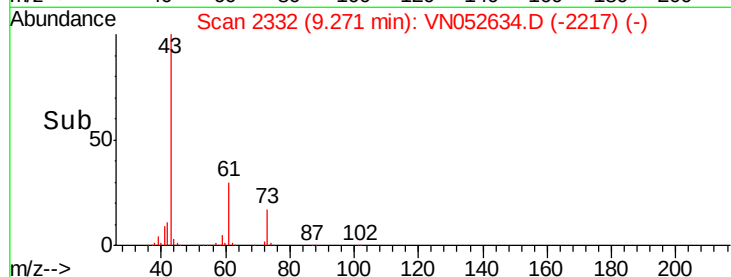
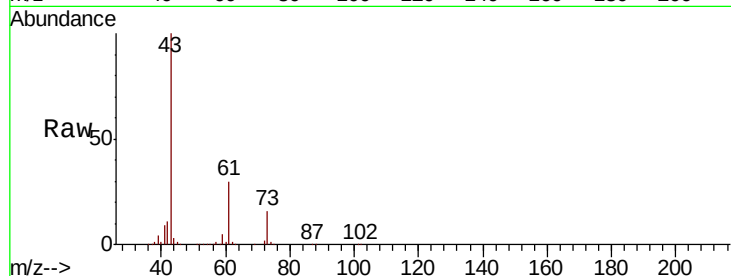
Tot Ion: 88 Resp: 269

Ion Ratio Lower Upper

88 100

43 1036746.1 26.4 39.6#

58 4560.6 55.4 83.0#



#50

Toluene-d8

Concen: 2.750 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052634.D

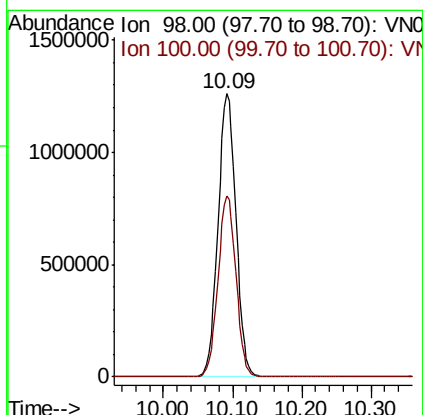
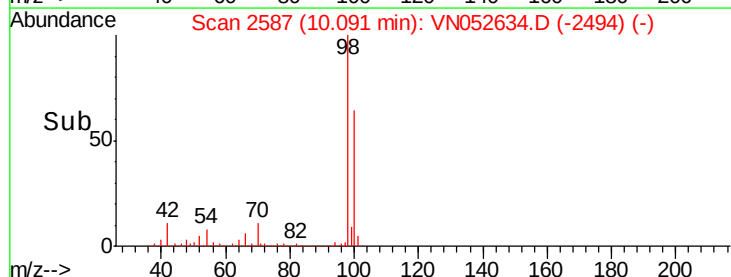
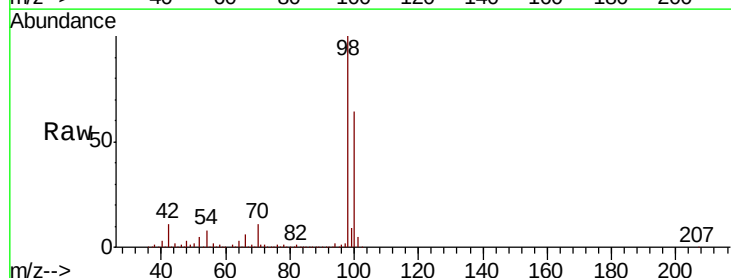
Acq: 3 Dec 2018 16:29

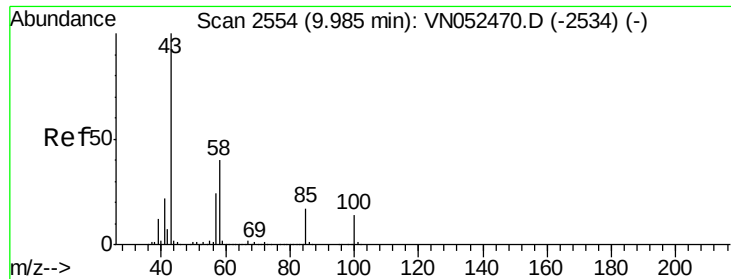
Tgt Ion: 98 Resp: 2266101

Ion Ratio Lower Upper

98 100

100 63.9 51.3 76.9





#51

4-Methyl-2-Pentanone

Concen: 0.758 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN052634.D

Acq: 3 Dec 2018 16:29

Instrument :

MSVOA_N

ClientSampleId :

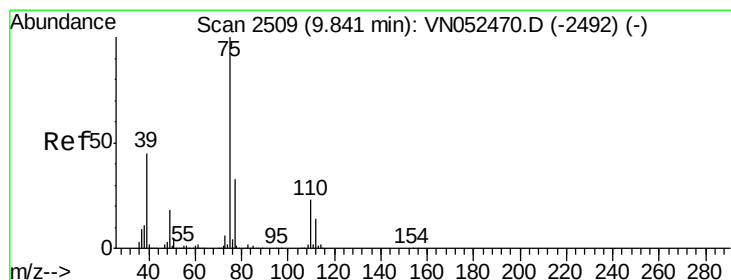
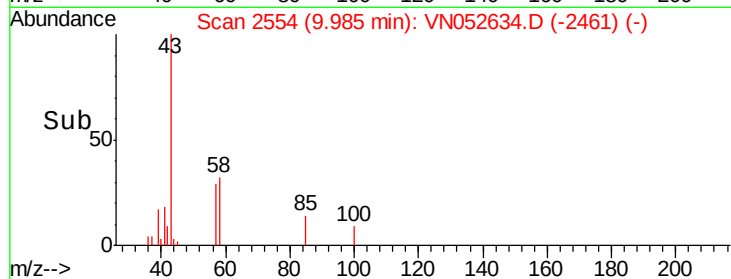
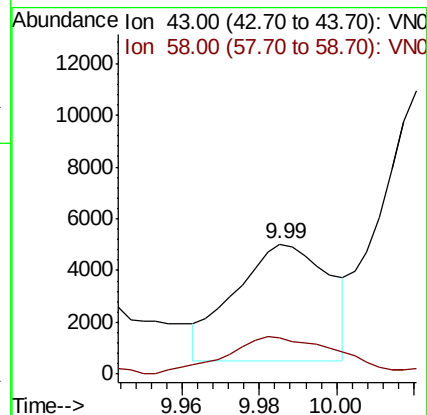
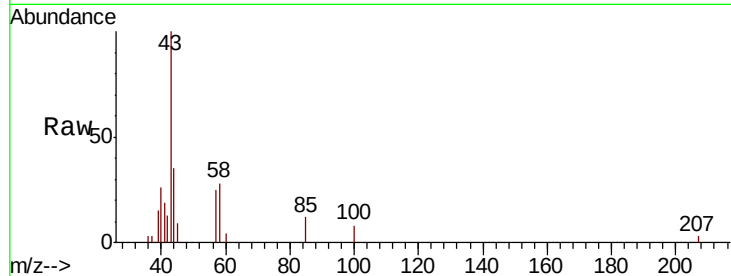
PB115231ZHE#05

Tot Ion: 43 Resp: 7688

Ion Ratio Lower Upper

43 100

58 38.0 31.5 47.3



#54

cis-1,3-Dichloropropene

Concen: 6.666 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN052634.D

Acq: 3 Dec 2018 16:29

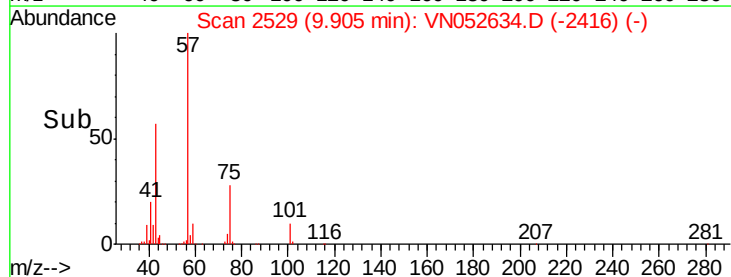
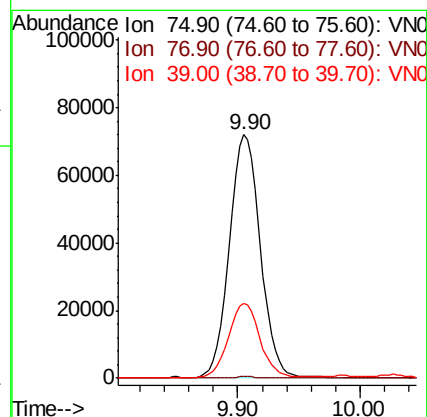
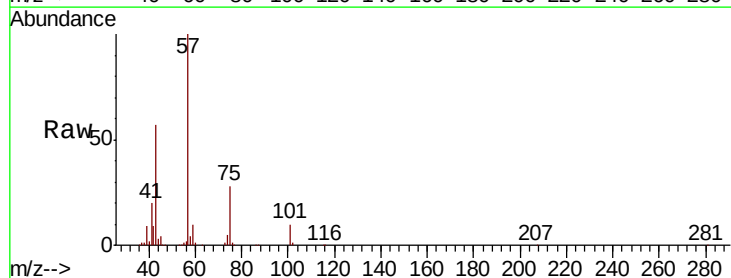
Tgt Ion: 75 Resp: 128243

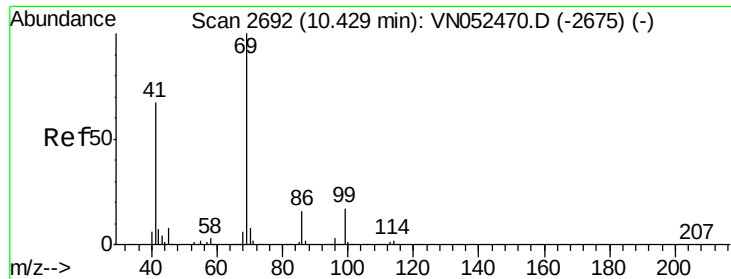
Ion Ratio Lower Upper

75 100

77 0.4 26.2 39.2#

39 30.4 36.0 54.0#





#56

Ethyl methacrylate

Concen: 2.707 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN052634.D

Acq: 3 Dec 2018 16:29

Instrument :

MSVOA_N

ClientSampleId :

PB115231ZHE#05

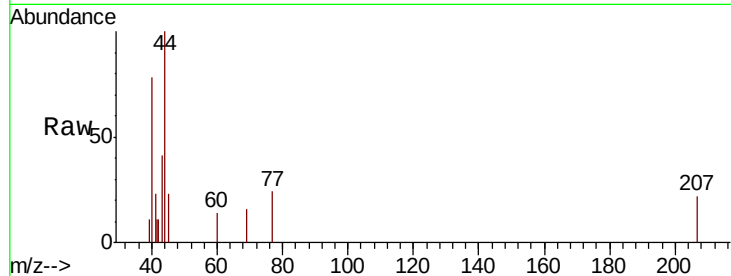
Tot Ion: 69 Resp: 220

Ion Ratio Lower Upper

69 100

41 0.0 52.6 79.0#

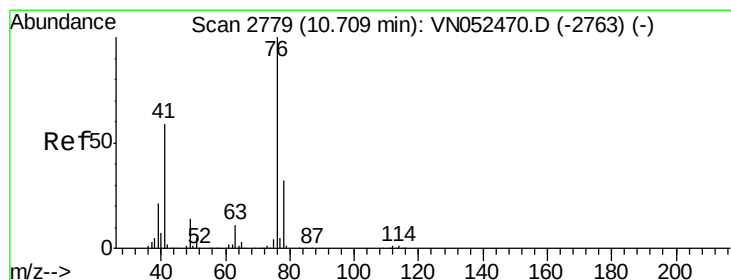
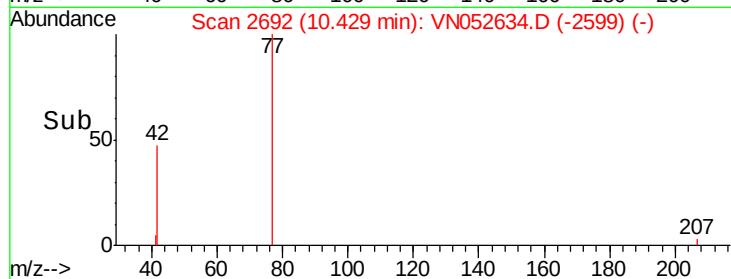
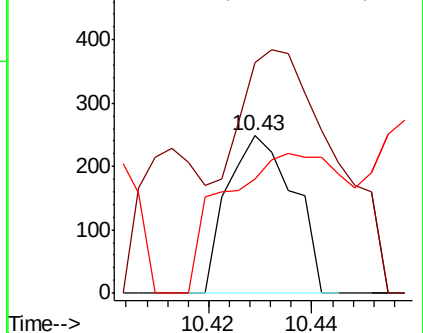
39 0.0 25.9 38.9#



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: 1.373 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.06 min

Lab File: VN052634.D

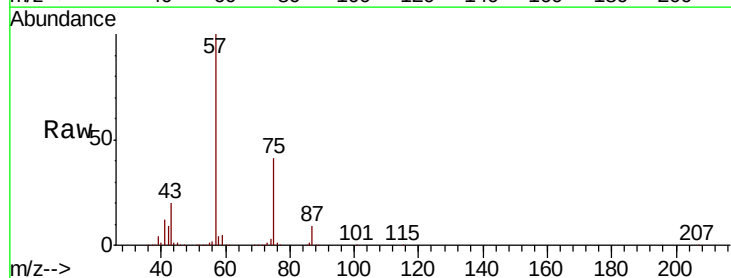
Acq: 3 Dec 2018 16:29

Tgt Ion: 76 Resp: 26427

Ion Ratio Lower Upper

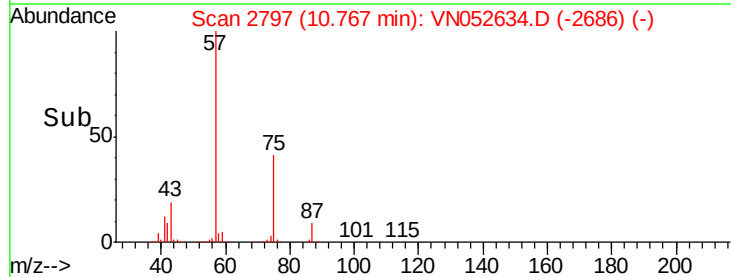
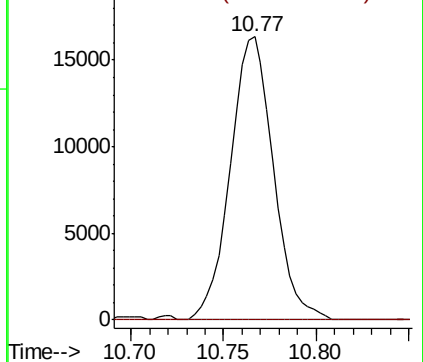
76 100

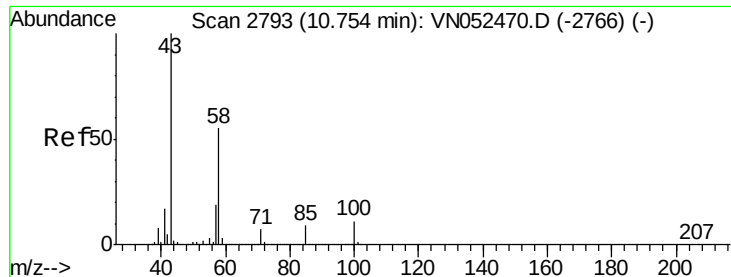
78 0.0 25.6 38.4#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

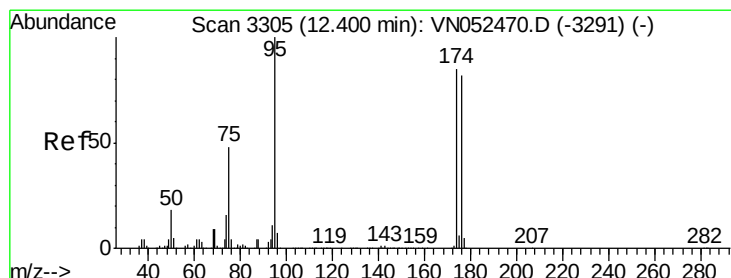
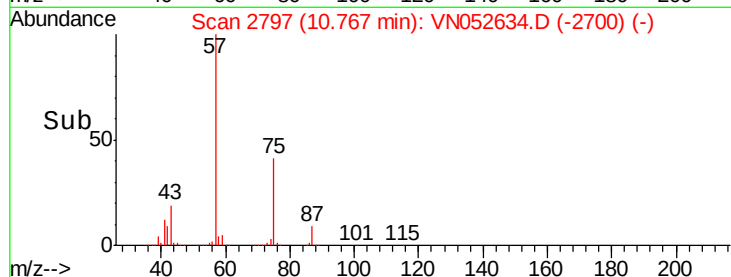
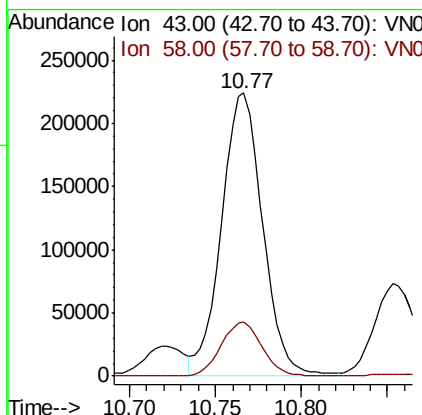
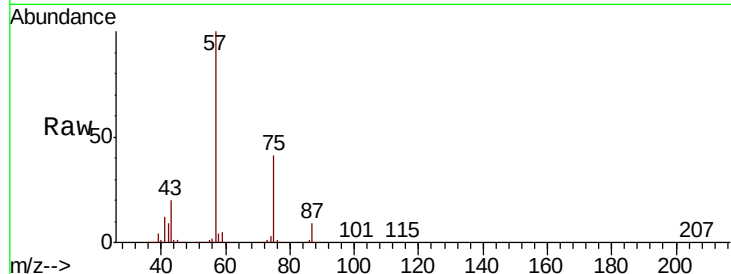




#59
2-Hexanone
Concen: 54.597 ug/l
RT: 10.77 min Scan# 2797
Delta R.T. 0.01 min
Lab File: VN052634.D
Acq: 3 Dec 2018 16:29

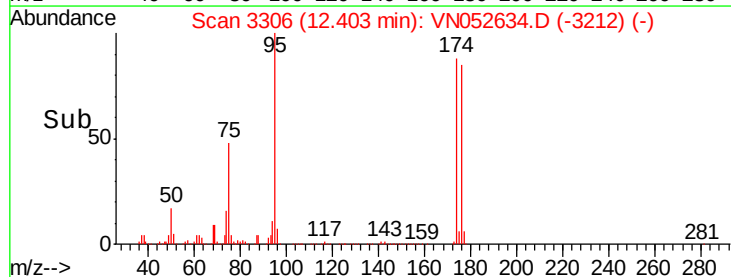
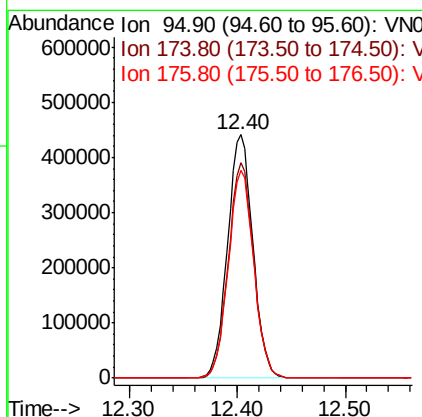
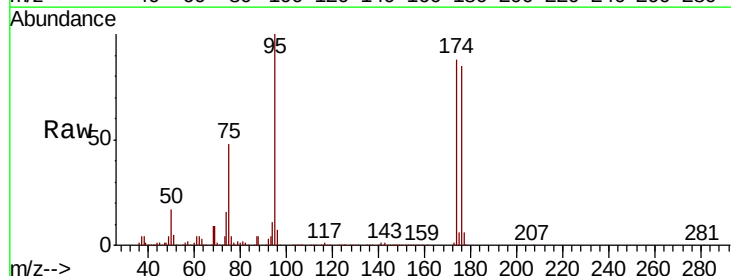
Instrument :
MSVOA_N
ClientSampleId :
PB115231ZHE#05

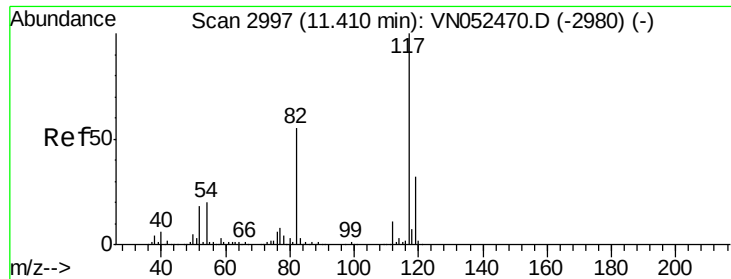
Tot Ion: 43 Resp: 371586
Ion Ratio Lower Upper
43 100
58 19.3 27.4 82.0#



#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052634.D
Acq: 3 Dec 2018 16:29

Tgt Ion: 95 Resp: 718877
Ion Ratio Lower Upper
95 100
174 88.3 0.0 173.0
176 85.5 0.0 166.2

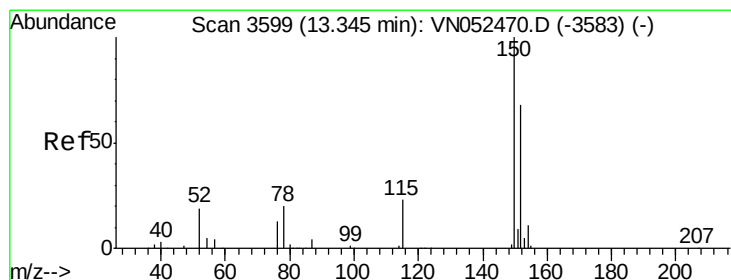
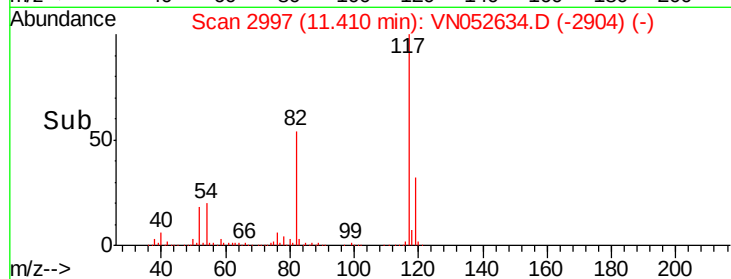
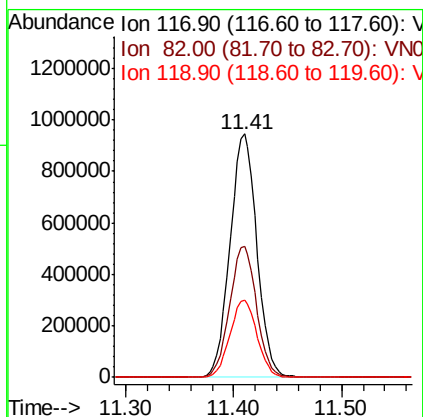
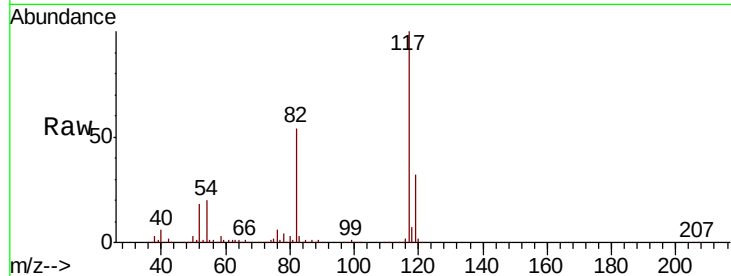




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN052634.D
Acq: 3 Dec 2018 16:29

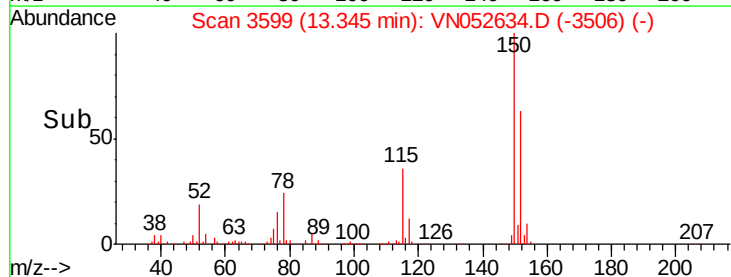
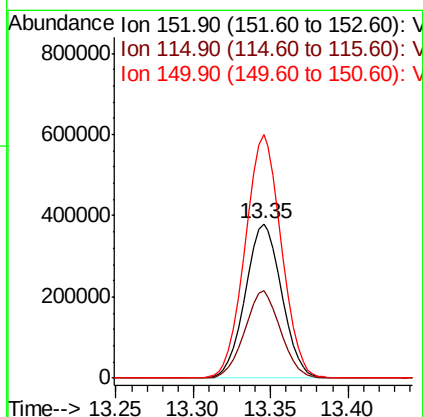
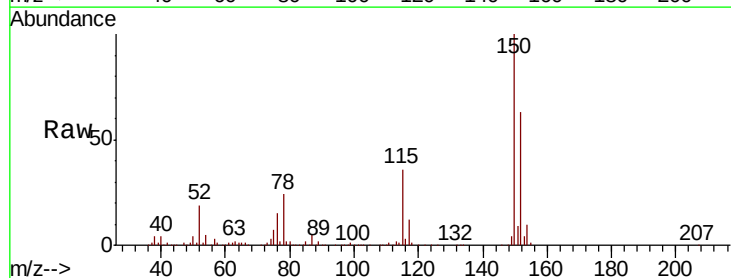
Instrument :
MSVOA_N
ClientSampleId :
PB115231ZHE#05

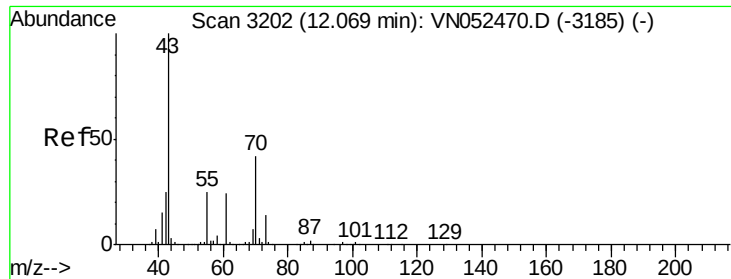
Tot Ion:117 Resp: 1638337
Ion Ratio Lower Upper
117 100
82 54.0 43.6 65.4
119 31.7 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN052634.D
Acq: 3 Dec 2018 16:29

Tgt Ion:152 Resp: 622612
Ion Ratio Lower Upper
152 100
115 55.6 28.4 85.2
150 156.7 0.0 346.0





#74

N-amvl acetate

Concen: 3.511 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN052634.D

Acq: 3 Dec 2018 16:29

Instrument :

MSVOA_N

ClientSampleId :

PB115231ZHE#05

Tot Ion: 43 Resp: 43333

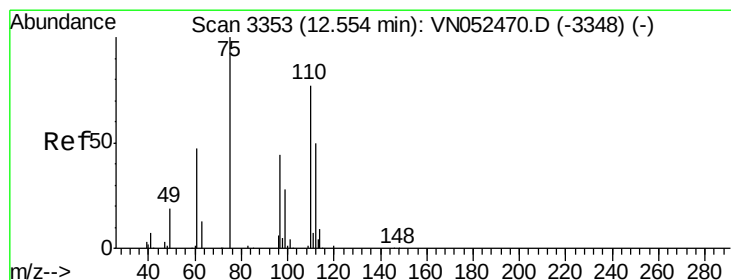
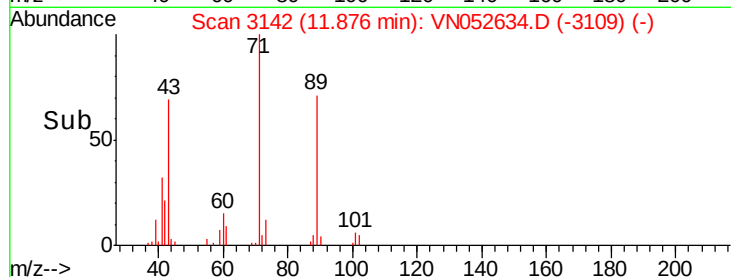
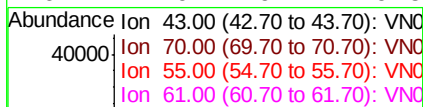
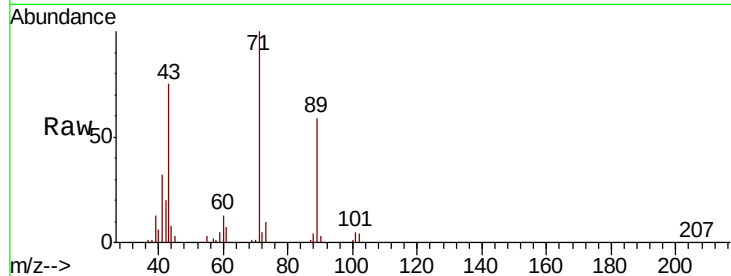
Ion Ratio Lower Upper

43 100

70 2.0 33.8 50.8#

55 4.6 20.0 30.0#

61 11.0 19.7 29.5#



#76

1,2,3-Trichloropropane

Concen: 35.958 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN052634.D

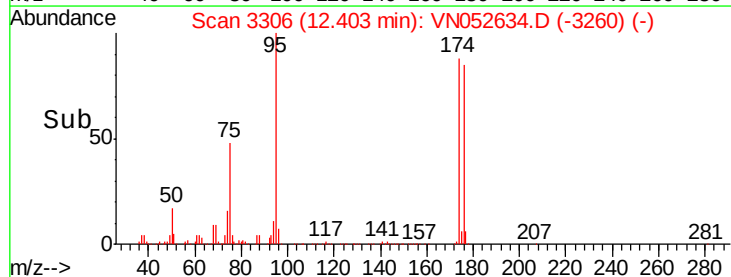
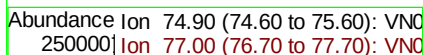
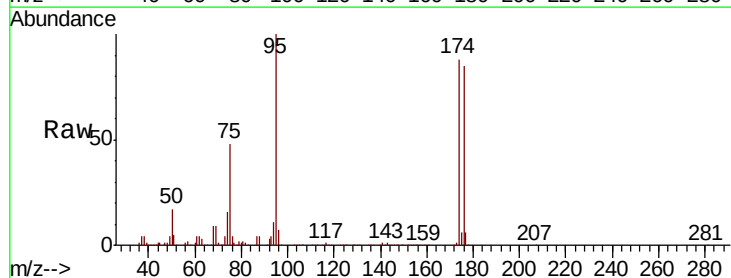
Acq: 3 Dec 2018 16:29

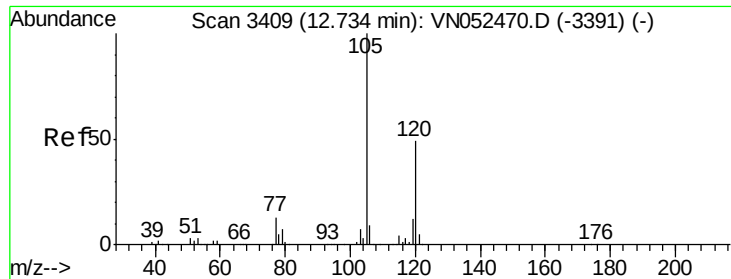
Tgt Ion: 75 Resp: 345237

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#

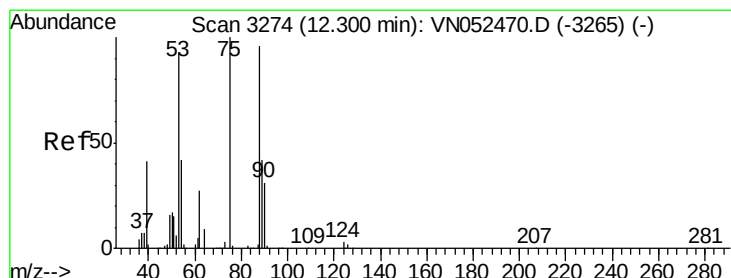
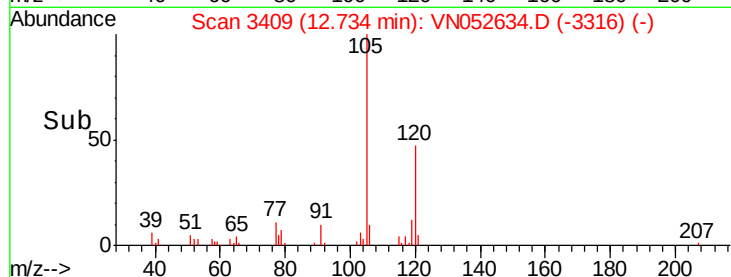
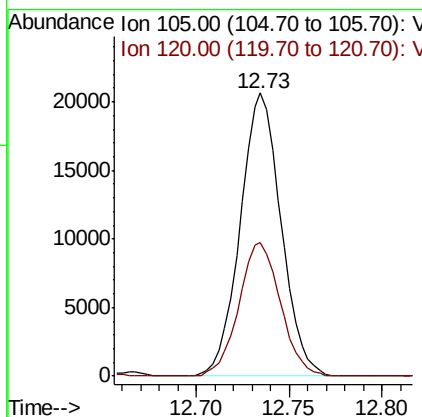
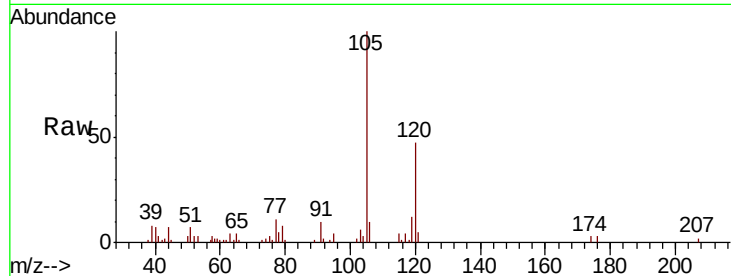




#80
 1,3,5-Trimethylbenzene
 Concen: 0.812 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. -0.00 min
 Lab File: VN052634.D
 Acq: 3 Dec 2018 16:29

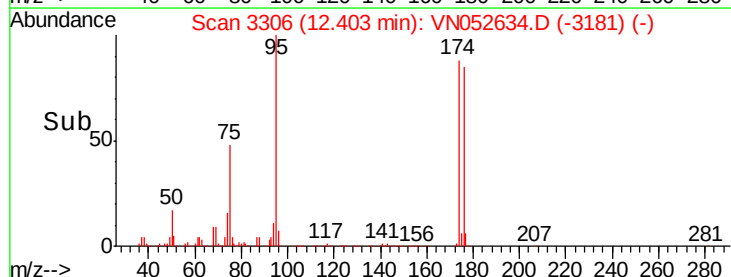
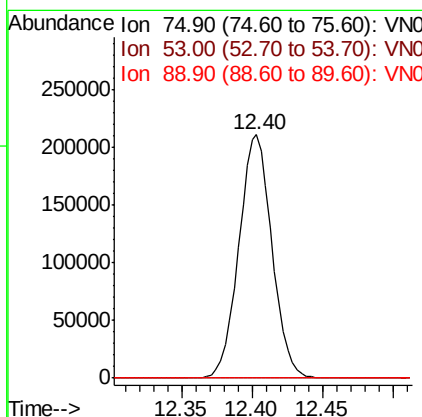
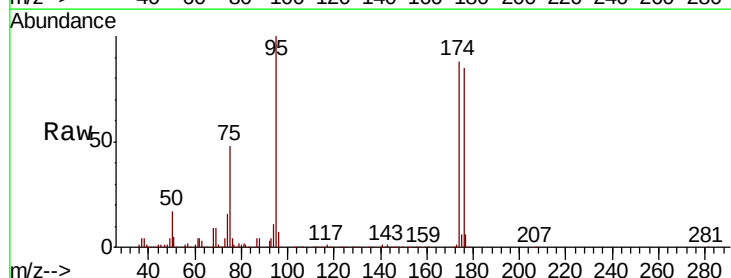
Instrument :
 MSVOA_N
 ClientSampleId :
 PB115231ZHE#05

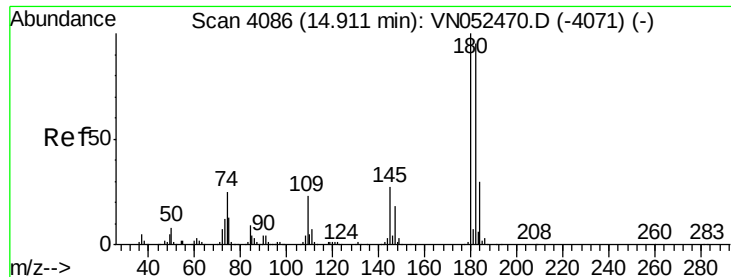
Tot Ion:105 Resp: 31619
 Ion Ratio Lower Upper
 105 100
 120 48.0 24.3 73.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 120.084 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN052634.D
 Acq: 3 Dec 2018 16:29

Tgt Ion: 75 Resp: 345237
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.4 116.0#
 89 0.0 35.4 53.2#

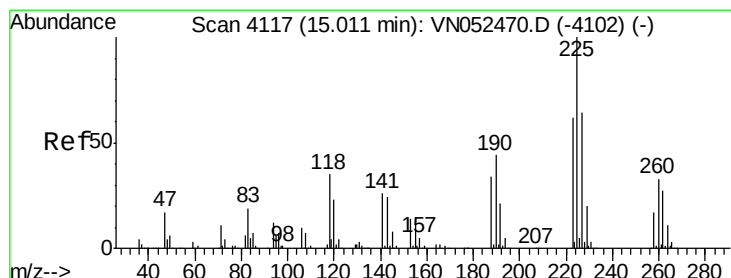
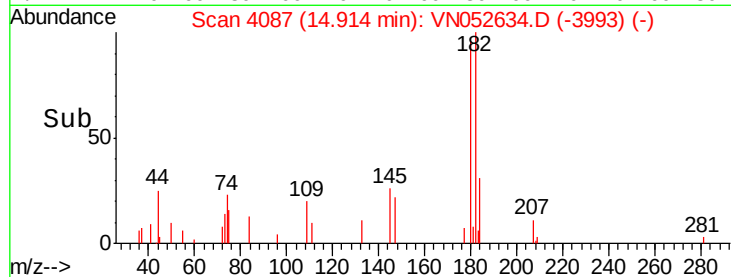
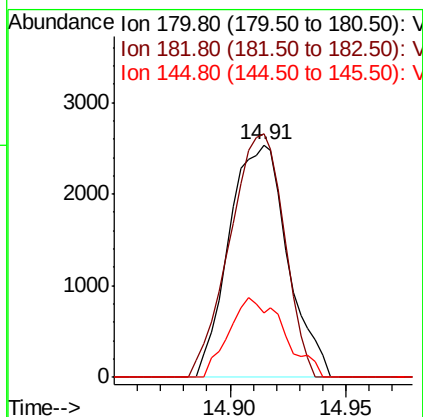
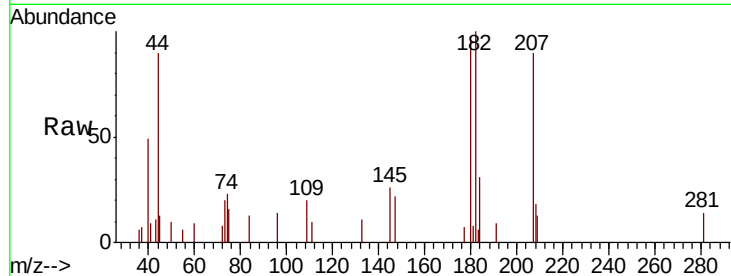




#93
 1,2,4-Trichlorobenzene
 Concen: 3.209 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN052634.D
 Acq: 3 Dec 2018 16:29

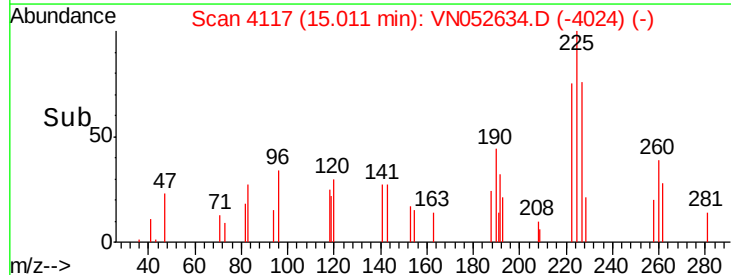
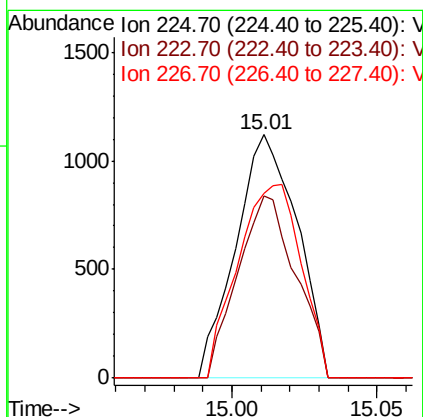
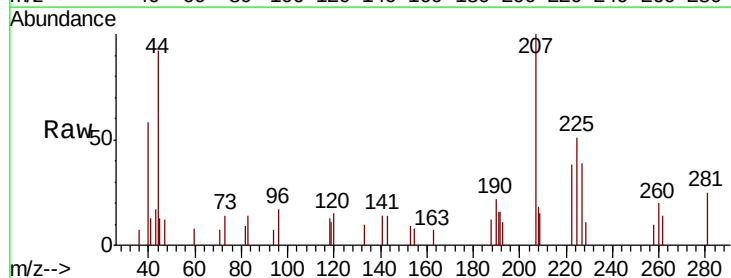
Instrument :
 MSVOA_N
 ClientSampleId :
 PB115231ZHE#05

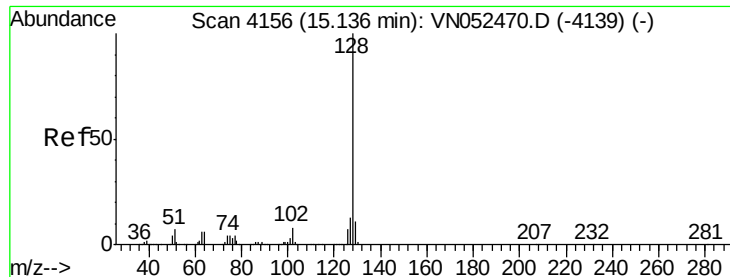
Tot Ion:180 Resp: 4449
 Ion Ratio Lower Upper
 180 100
 182 97.5 47.8 143.4
 145 32.2 14.1 42.3



#94
 Hexachlorobutadiene
 Concen: 0.254 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052634.D
 Acq: 3 Dec 2018 16:29

Tgt Ion:225 Resp: 1648
 Ion Ratio Lower Upper
 225 100
 223 70.7 31.4 94.2
 227 82.2 32.5 97.4





#95

Naphthalene

Concen: 3.934 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN052634.D

Acq: 3 Dec 2018 16:29

Instrument :

MSVOA_N

ClientSampleId :

PB115231ZHE#05

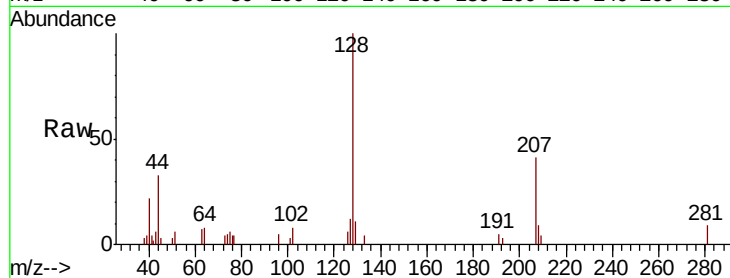
Tot Ion:128 Resp: 12723

Ion Ratio Lower Upper

128 100

127 11.0 10.2 15.2

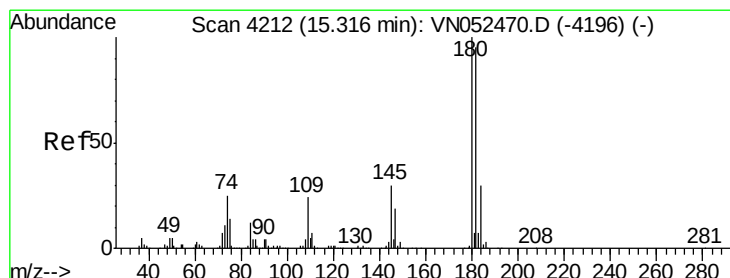
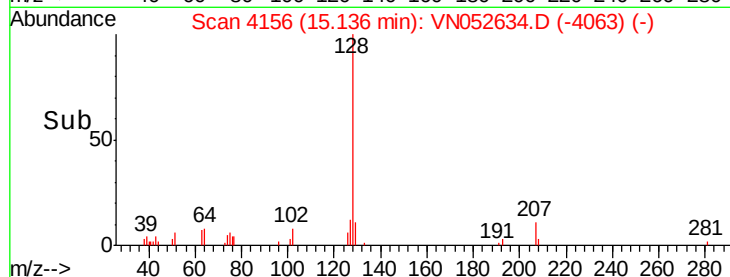
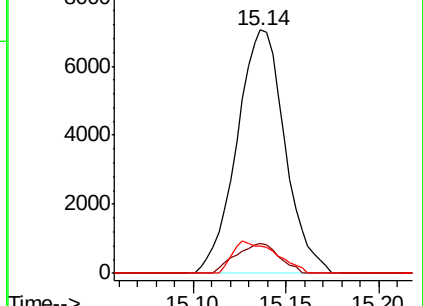
129 12.0 8.7 13.1



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



#96

1,2,3-Trichlorobenzene

Concen: 3.223 ug/l

RT: 15.32 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN052634.D

Acq: 3 Dec 2018 16:29

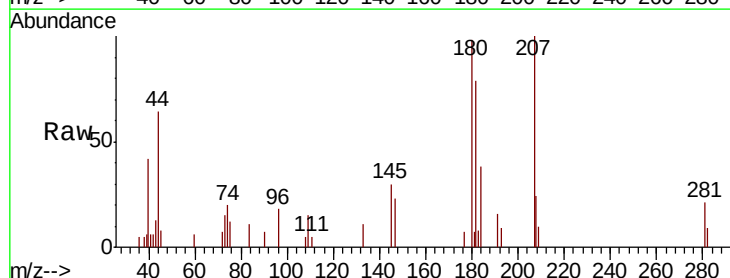
Tgt Ion:180 Resp: 5332

Ion Ratio Lower Upper

180 100

182 82.7 47.8 143.3

145 27.8 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

