

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
 Data File : VN058312.D
 Acq On : 23 Sep 2019 23:17
 Operator : JC/SP
 Sample : K5002-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 24 01:39:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	446480	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	721809	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	587236	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	216521	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	322344	51.84	ug/l	0.00
Spiked Amount						
			Recovery	=	103.68%	
35) Dibromofluoromethane	7.58	113	224569	51.18	ug/l	0.00
Spiked Amount						
			Recovery	=	102.36%	
50) Toluene-d8	10.09	98	889016	52.00	ug/l	0.00
Spiked Amount						
			Recovery	=	104.00%	
62) 4-Bromofluorobenzene	12.41	95	264445	41.64	ug/l	0.00
Spiked Amount						
			Recovery	=	83.28%	

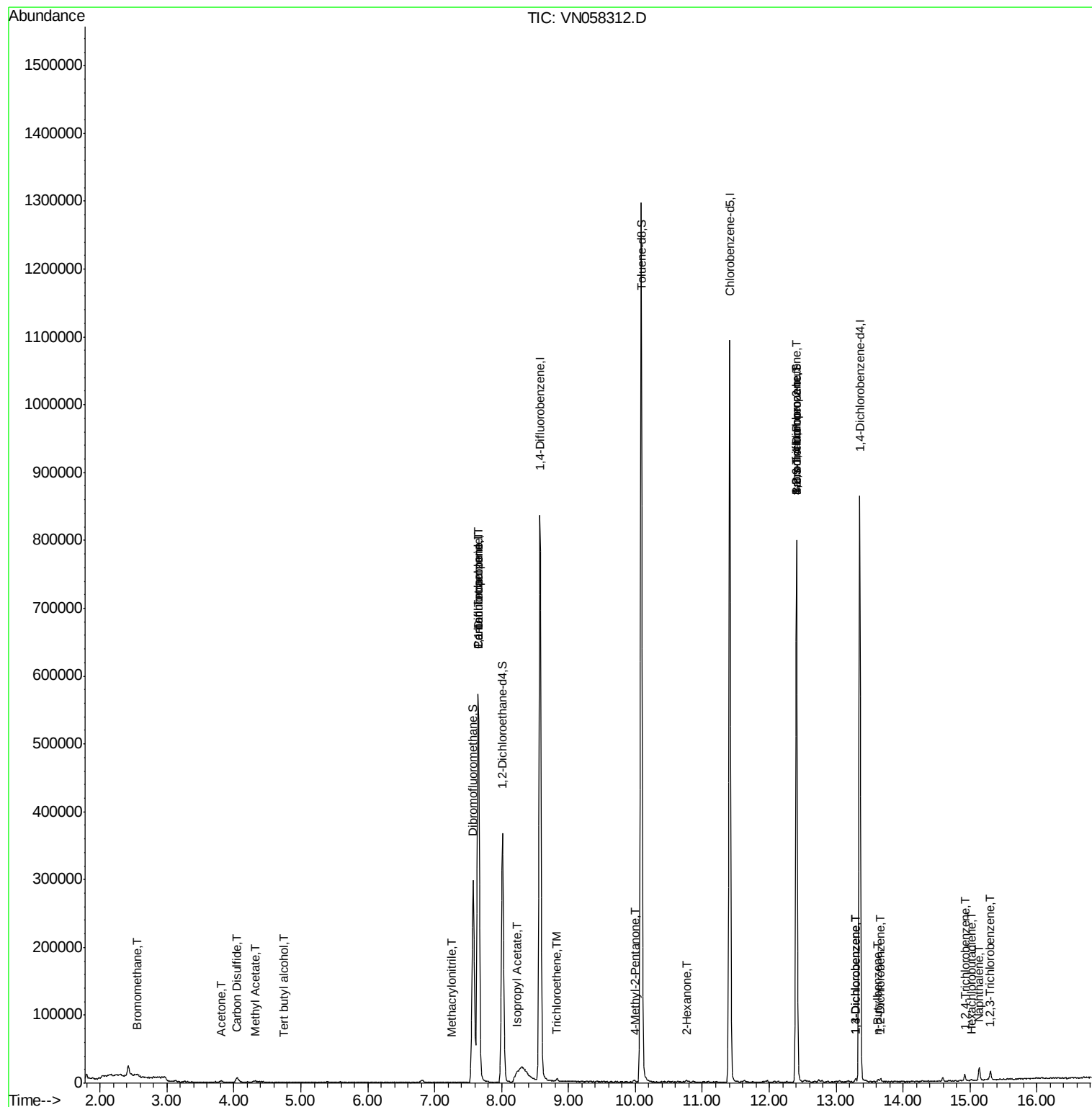
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	856	Below Cal	#	42
4) Vinyl Chloride	2.17	62	1156	Below Cal		98
5) Bromomethane	2.55	94	813	1.212	ug/l #	69
6) Chloroethane	2.67	64	104	Below Cal	#	44
11) Tert butyl alcohol	4.76	59	399	0.539	ug/l #	71
12) 1,1-Dichloroethene	3.72	96	338	Below Cal	#	55
16) Acetone	3.80	43	1587	0.752	ug/l	96
17) Carbon Disulfide	4.04	76	807	0.479	ug/l #	74
18) Methyl Acetate	4.32	43	1868	0.336	ug/l #	68
20) Methylene Chloride	4.52	84	157	Below Cal	#	3
21) trans-1,2-Dichloroethene	5.00	96	58	Below Cal	#	55
31) Cyclohexane	7.65	56	11716	Below Cal	#	21
36) 1,1-Dichloropropene	7.65	75	38158	7.331	ug/l #	51
38) Carbon Tetrachloride	7.65	117	46113	8.813	ug/l #	16
41) Methacrylonitrile	7.26	41	60	0.933	ug/l #	100
43) Isopropyl Acetate	8.22	43	10218	1.013	ug/l #	57
44) Trichloroethene	8.83	130	1214	0.312	ug/l	93
51) 4-Methyl-2-Pentanone	9.98	43	2543	0.475	ug/l #	77
59) 2-Hexanone	10.76	43	1925	0.484	ug/l	98
71) Bromoform	12.40	173	539	3.775	ug/l #	1
76) 1,2,3-Trichloropropane	12.41	75	148312	38.274	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	148312	106.524	ug/l #	5
87) 1,3-Dichlorobenzene	13.29	146	1507	0.242	ug/l	93
88) 1,4-Dichlorobenzene	13.29	146	1507	0.237	ug/l	94
89) n-Butylbenzene	13.62	91	2876	0.255	ug/l	90
91) 1,2-Dichlorobenzene	13.66	146	1700	0.272	ug/l	83
93) 1,2,4-Trichlorobenzene	14.92	180	2998	0.751	ug/l	87
94) Hexachlorobutadiene	15.02	225	586	0.304	ug/l	78
95) Naphthalene	15.14	128	15815	1.529	ug/l	98
96) 1,2,3-Trichlorobenzene	15.30	180	4434	1.176	ug/l	97

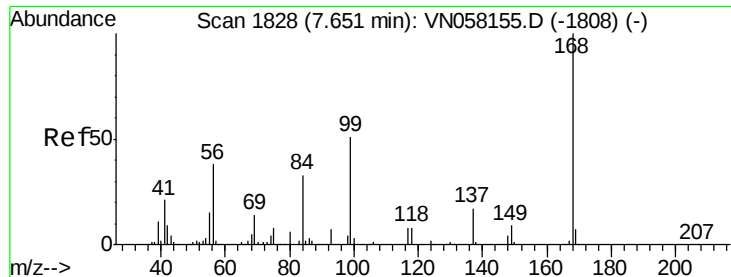
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN058312.D

Acq: 23 Sep 2019 23:17

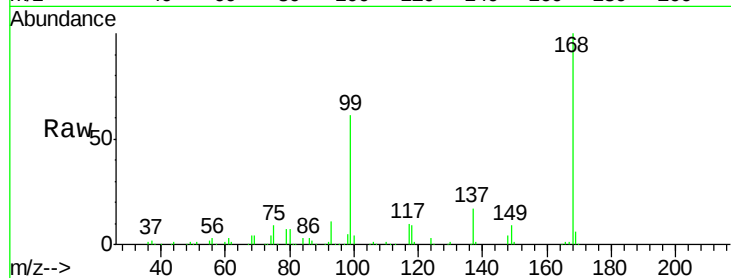
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 446480

Ion Ratio Lower Upper

168 100

99 61.2 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

200000

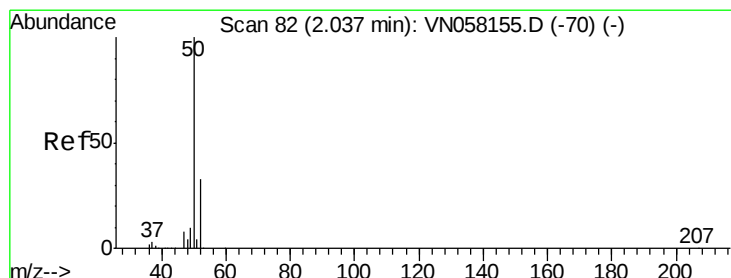
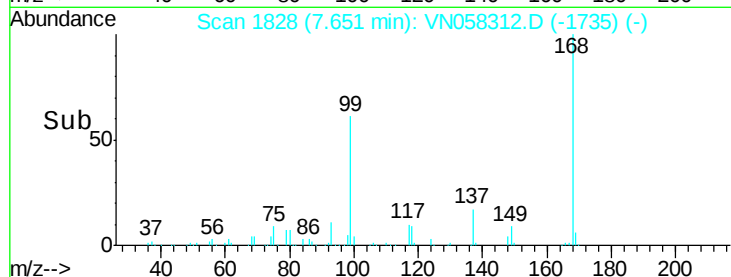
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN058312.D

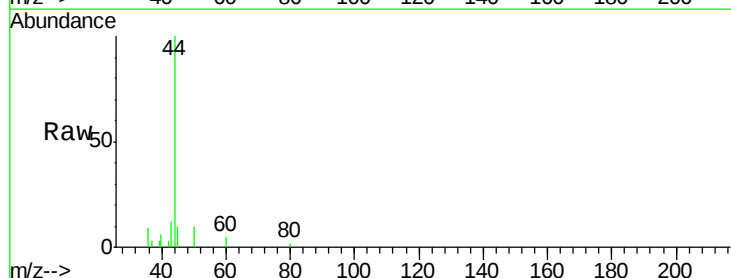
Acq: 23 Sep 2019 23:17

Tgt Ion: 50 Resp: 856

Ion Ratio Lower Upper

50 100

52 0.0 26.3 39.5#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.03

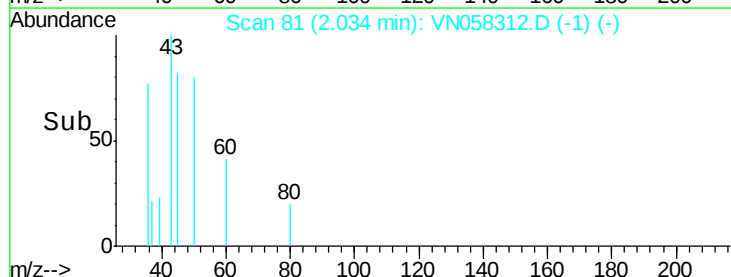
600

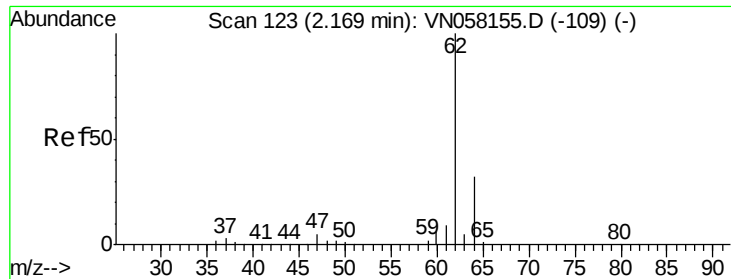
400

200

0

Time--> 2.00 2.02 2.04 2.06 2.08





#4

Vinyl Chloride

Concen: Below Cal

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058312.D

Acq: 23 Sep 2019 23:17

Instrument :

MSVOA_N

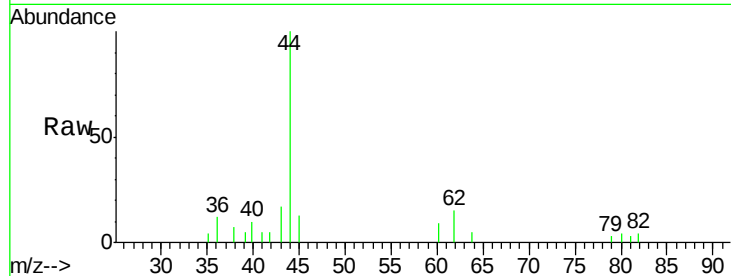
ClientSampled :

Tot Ion: 62 Resp: 1156

Ion Ratio Lower Upper

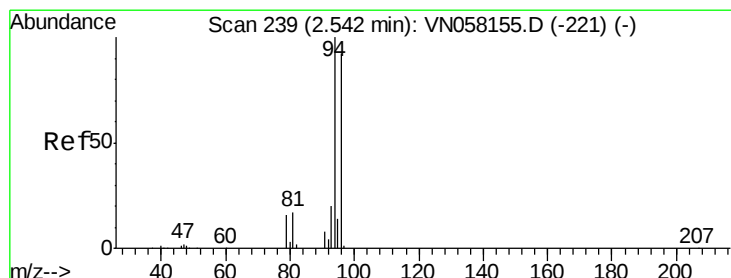
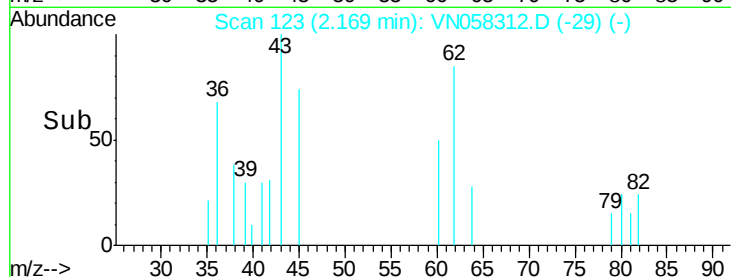
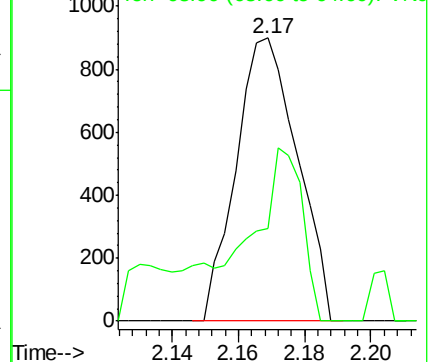
62 100

64 32.9 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO



#5

Bromomethane

Concen: 1.212 ug/l

RT: 2.55 min Scan# 243

Delta R.T. 0.01 min

Lab File: VN058312.D

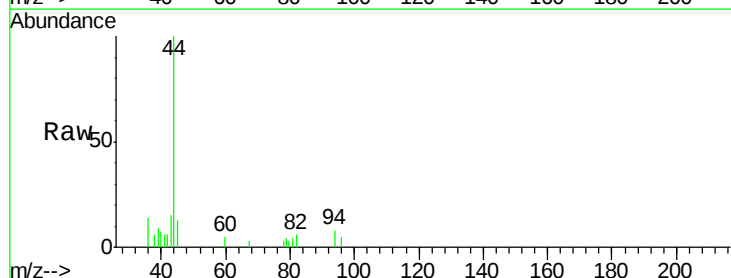
Acq: 23 Sep 2019 23:17

Tgt Ion: 94 Resp: 813

Ion Ratio Lower Upper

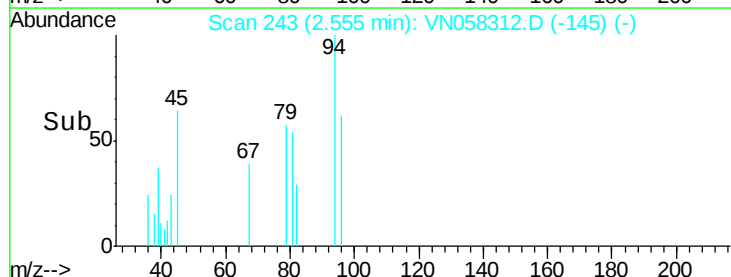
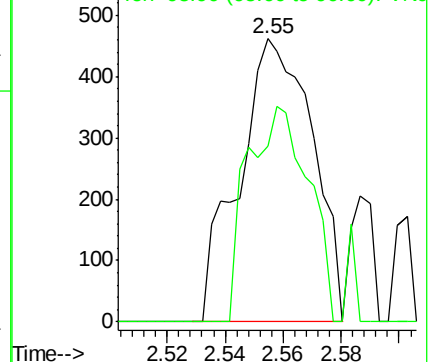
94 100

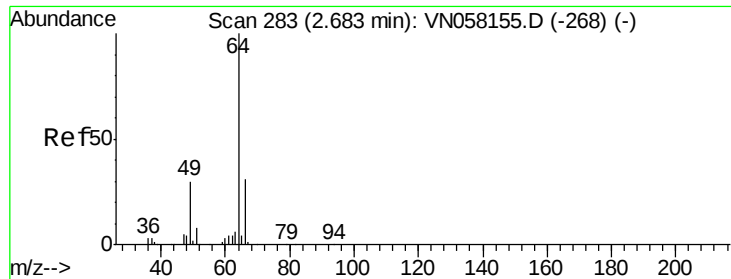
96 62.1 73.3 109.9#



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO





#6

Chloroethane

Concen: Below Cal

RT: 2.67 min Scan# 279

Delta R.T. -0.01 min

Lab File: VN058312.D

Acq: 23 Sep 2019 23:17

Instrument :

MSVOA_N

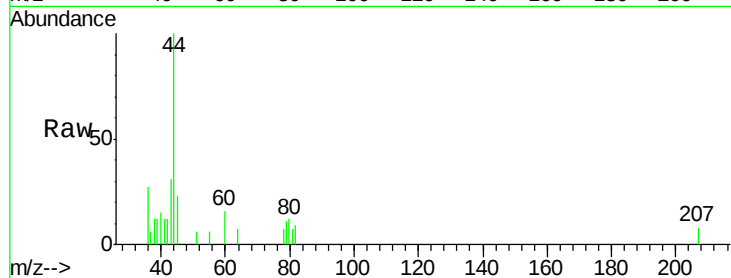
ClientSampled :

Tot Ion: 64 Resp: 104

Ion Ratio Lower Upper

64 100

66 0.0 24.6 37.0#



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.67

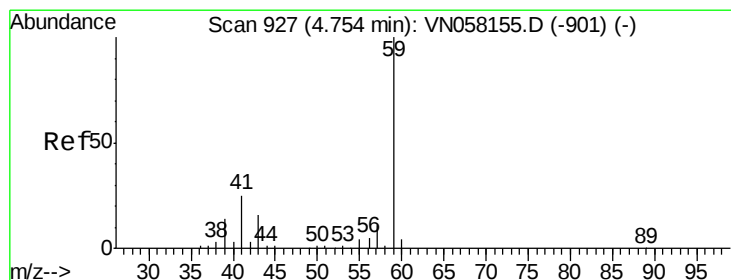
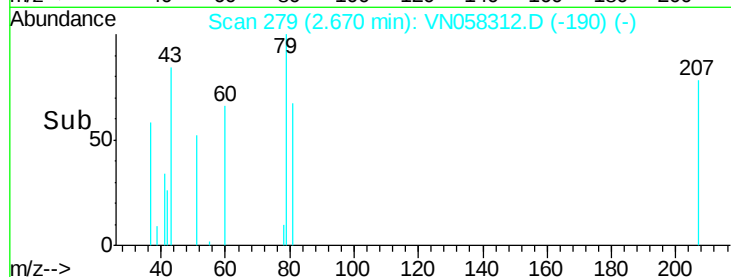
150

100

50

0

Time-->



#11

Tert butyl alcohol

Concen: 0.539 ug/l

RT: 4.76 min Scan# 928

Delta R.T. 0.00 min

Lab File: VN058312.D

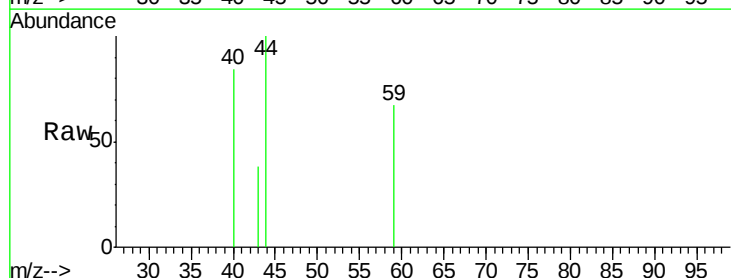
Acq: 23 Sep 2019 23:17

Tgt Ion: 59 Resp: 399

Ion Ratio Lower Upper

59 100

57 0.0 8.6 13.0#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.76

400

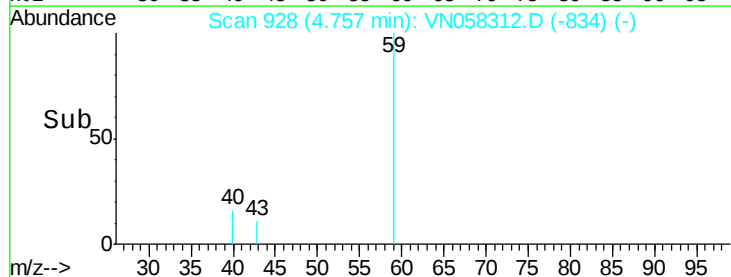
300

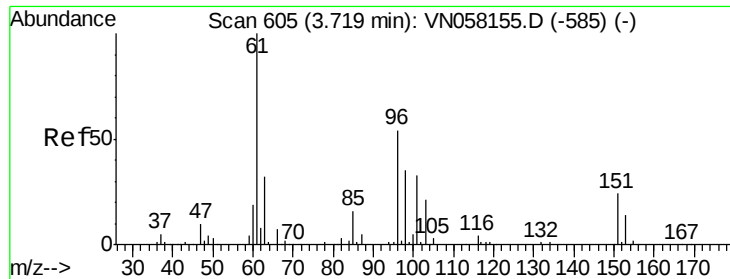
200

100

0

Time-->

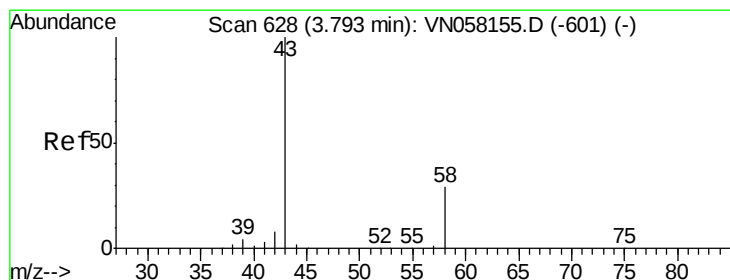
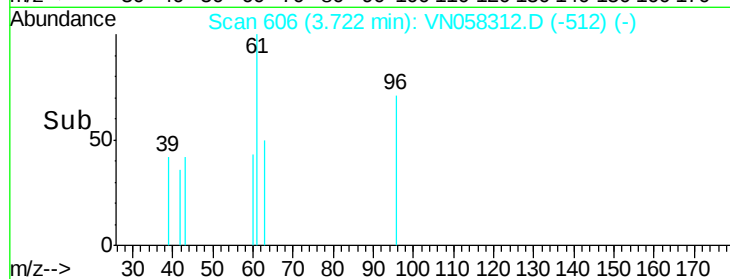
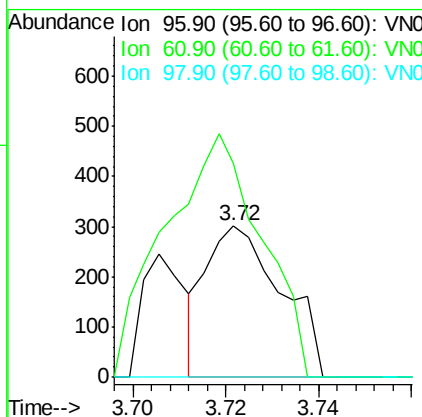
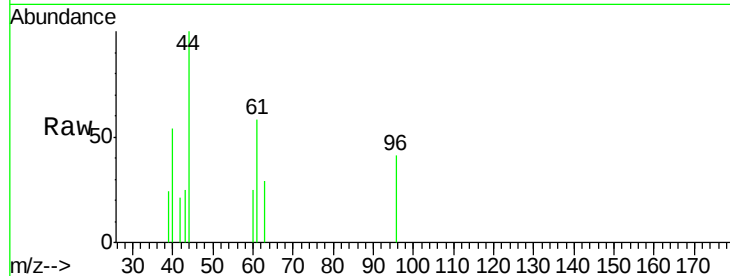




#12
 1,1-Dichloroethene
 Concen: Below Cal
 RT: 3.72 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VN058312.D
 Acq: 23 Sep 2019 23:17

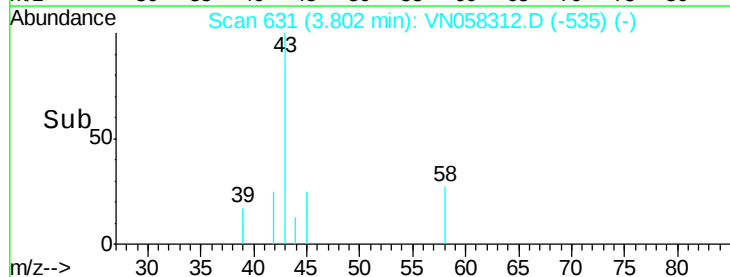
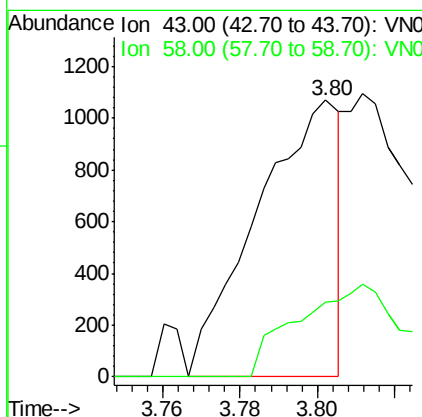
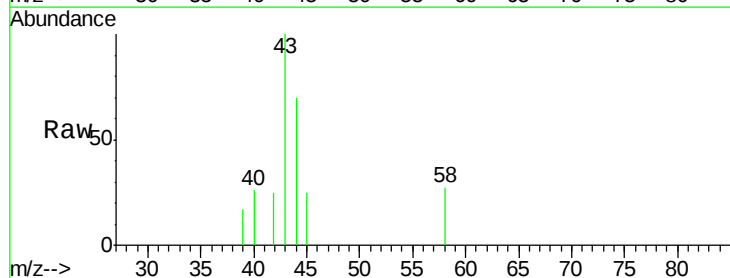
Instrument :
 MSVOA_N
 ClientSampled :

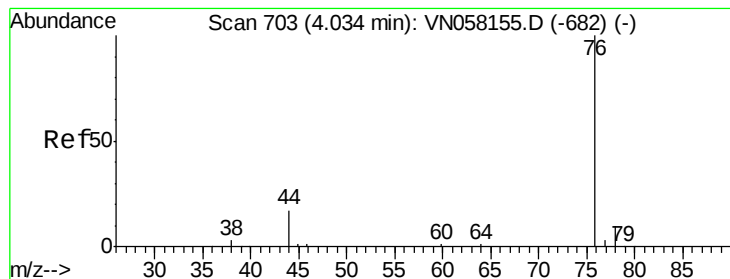
Tot Ion: 96 Resp: 338
 Ion Ratio Lower Upper
 96 100
 61 141.4 149.5 224.3#
 98 0.0 52.4 78.6#



#16
 Acetone
 Concen: 0.752 ug/l
 RT: 3.80 min Scan# 631
 Delta R.T. 0.01 min
 Lab File: VN058312.D
 Acq: 23 Sep 2019 23:17

Tgt Ion: 43 Resp: 1587
 Ion Ratio Lower Upper
 43 100
 58 26.9 23.4 35.2





#17

Carbon Disulfide

Concen: 0.479 ug/l

RT: 4.04 min Scan# 705

Delta R.T. 0.01 min

Lab File: VN058312.D

Acq: 23 Sep 2019 23:17

Instrument :

MSVOA_N

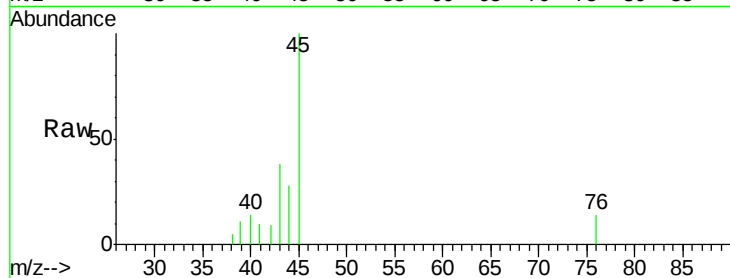
ClientSampled :

Tot Ion: 76 Resp: 807

Ion Ratio Lower Upper

76 100

78 0.0 7.7 11.5#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.04

500

400

300

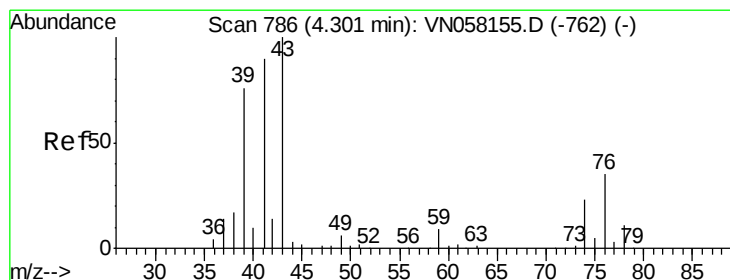
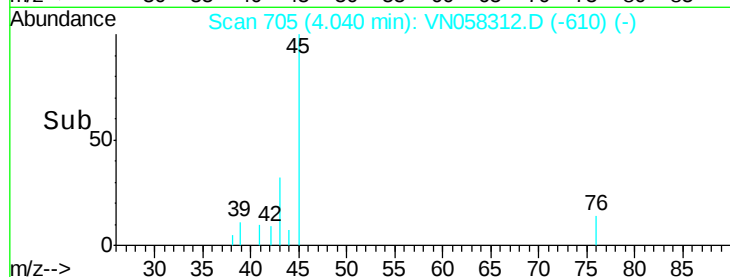
200

100

0

4.02 4.04 4.06 4.08

Time-->



#18

Methyl Acetate

Concen: 0.336 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.02 min

Lab File: VN058312.D

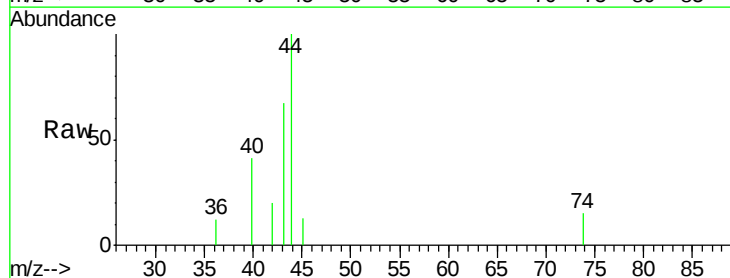
Acq: 23 Sep 2019 23:17

Tgt Ion: 43 Resp: 1868

Ion Ratio Lower Upper

43 100

74 7.2 18.0 27.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.32

1000

800

600

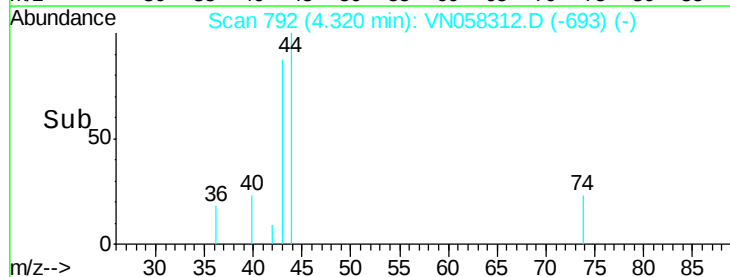
400

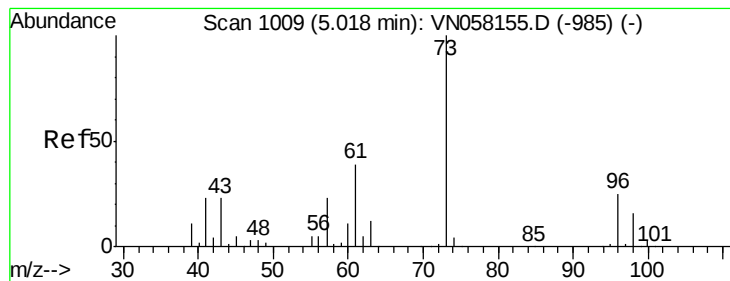
200

0

4.25 4.30 4.35

Time-->





#21

trans-1,2-Dichloroethene

Concen: Below Cal

RT: 5.00 min Scan# 1004

Delta R.T. -0.02 min

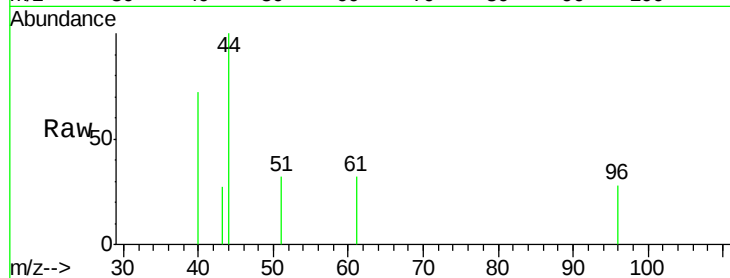
Lab File: VN058312.D

Acq: 23 Sep 2019 23:17

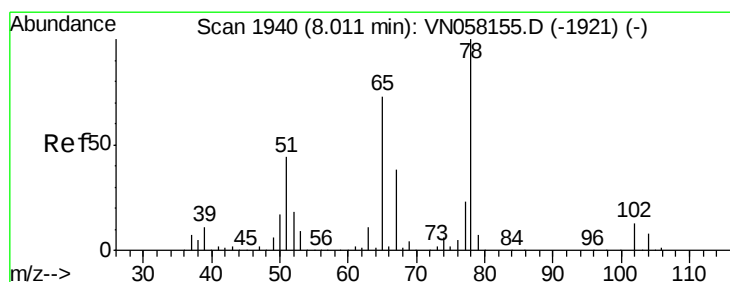
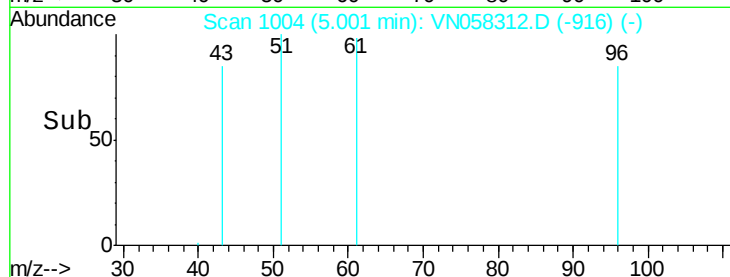
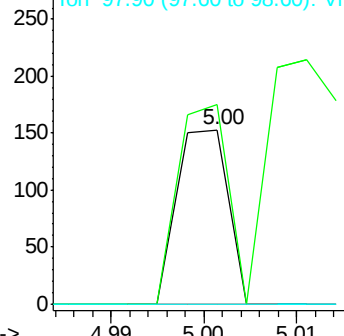
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 58

Ion	Ratio	Lower	Upper
96	100		
61	114.4	122.2	183.4#
98	0.0	49.9	74.9#



Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO



#33

1,2-Dichloroethane-d4

Concen: 51.836 ug/l

RT: 8.01 min Scan# 1941

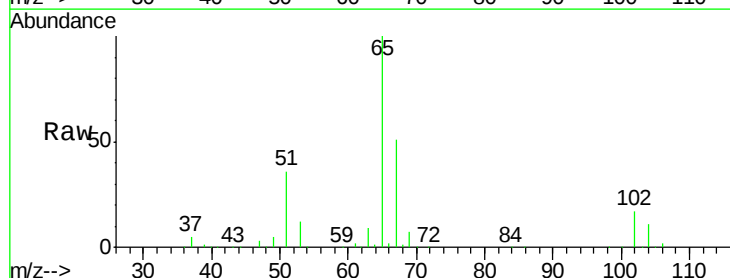
Delta R.T. 0.00 min

Lab File: VN058312.D

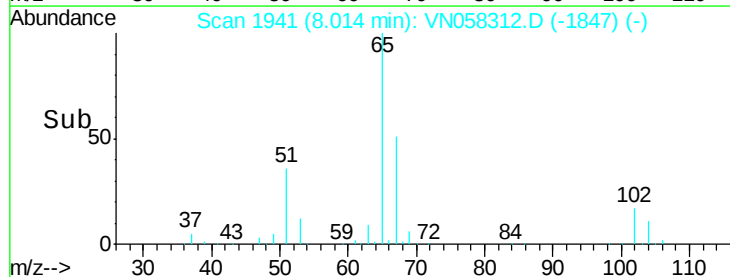
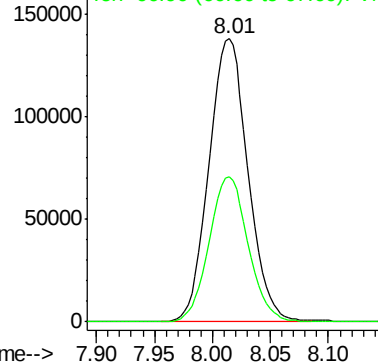
Acq: 23 Sep 2019 23:17

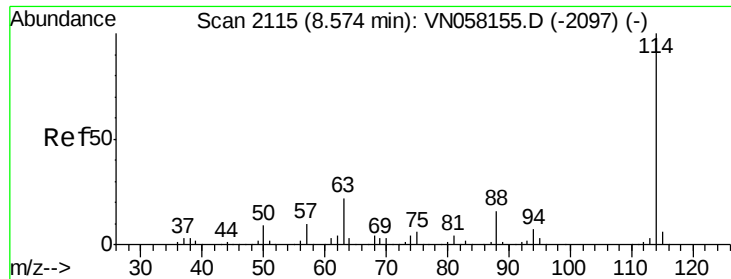
Tgt Ion: 65 Resp: 322344

Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	103.4



Abundance Ion 64.90 (64.60 to 65.60): VNO
Ion 66.90 (66.60 to 67.60): VNO

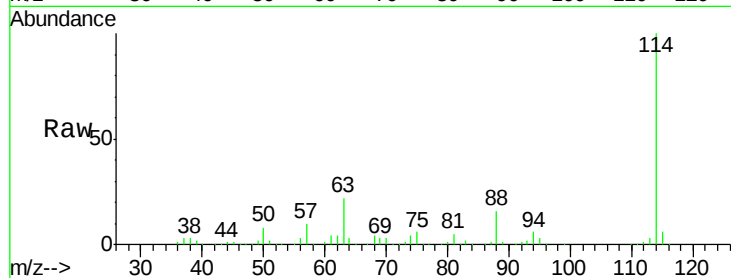




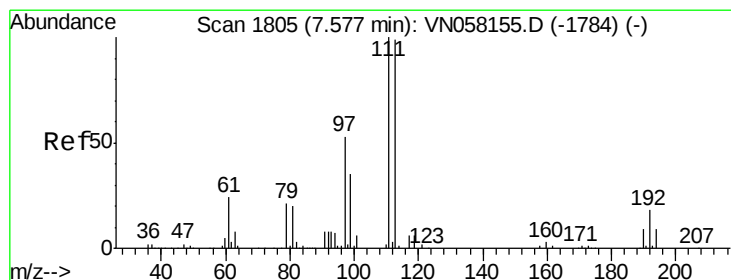
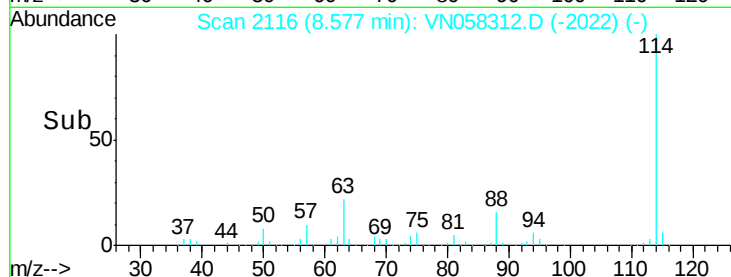
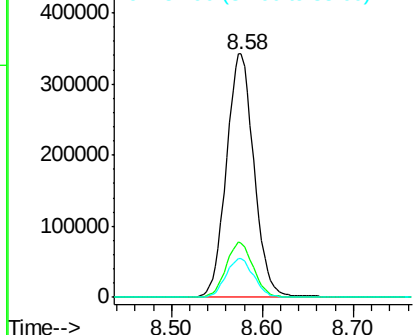
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN058312.D
 Acq: 23 Sep 2019 23:17

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 721809
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 44.2
 88 15.7 0.0 31.6

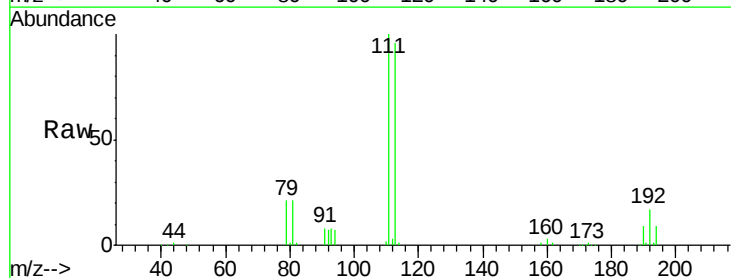


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

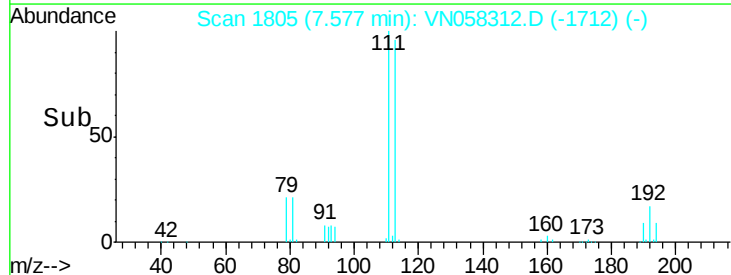
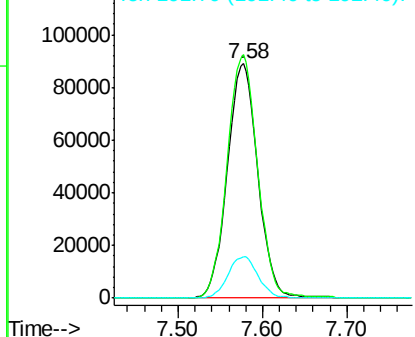


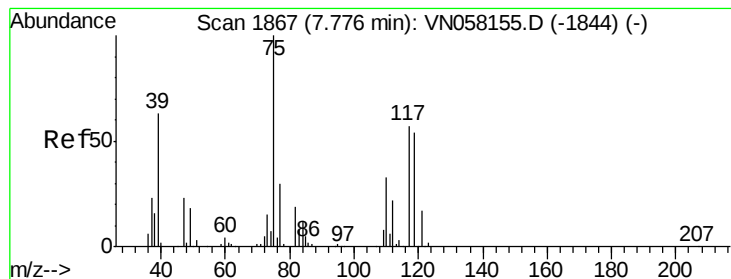
#35
 Dibromofluoromethane
 Concen: 51.178 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. -0.00 min
 Lab File: VN058312.D
 Acq: 23 Sep 2019 23:17

Tgt Ion:113 Resp: 224569
 Ion Ratio Lower Upper
 113 100
 111 103.7 81.8 122.6
 192 17.4 14.5 21.7



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: 7.331 ug/l

RT: 7.65 min Scan# 1828

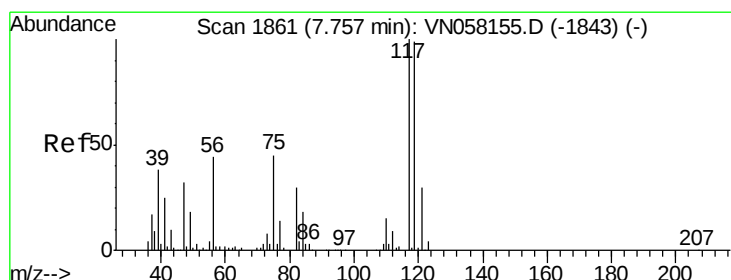
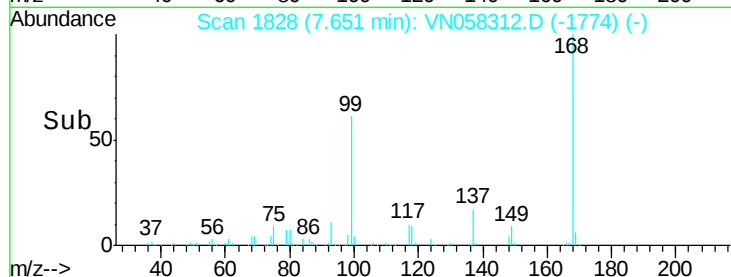
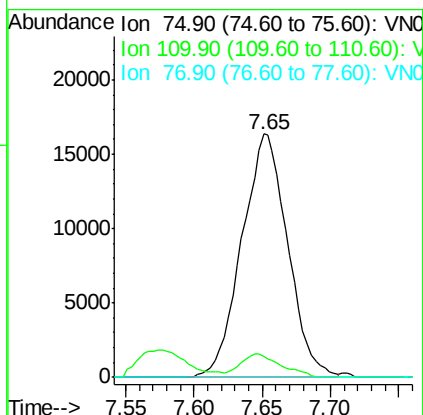
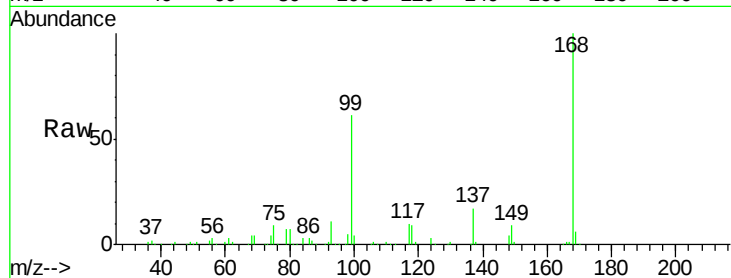
Delta R.T. -0.13 min

Lab File: VN058312.D

Acq: 23 Sep 2019 23:17

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.6	16.6	49.7#
77	0.0	24.3	36.5#



#38

Carbon Tetrachloride

Concen: 8.813 ug/l

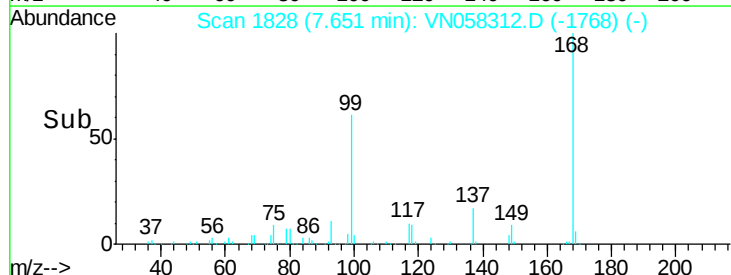
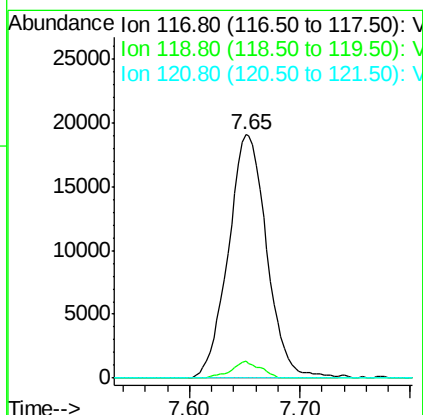
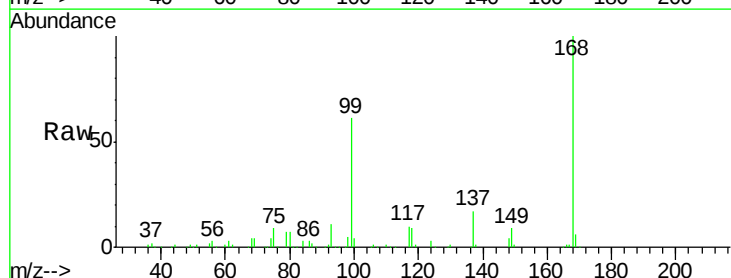
RT: 7.65 min Scan# 1828

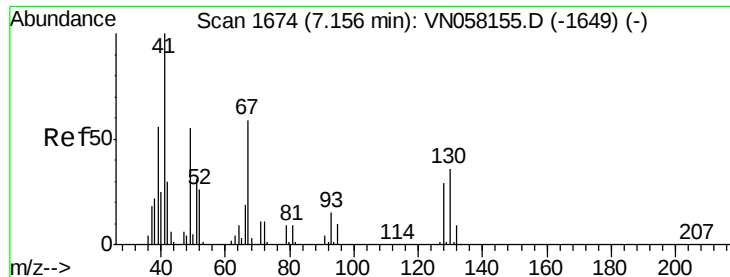
Delta R.T. -0.11 min

Lab File: VN058312.D

Acq: 23 Sep 2019 23:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.8	78.6	117.8#
121	0.0	24.1	36.1#

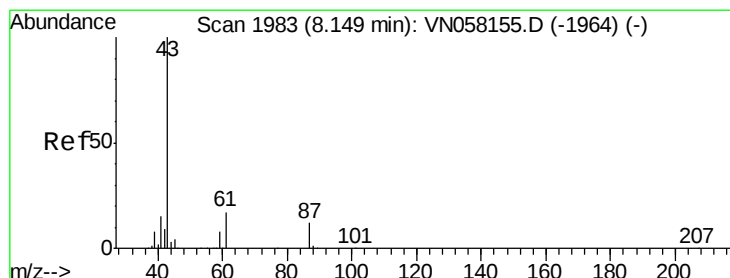
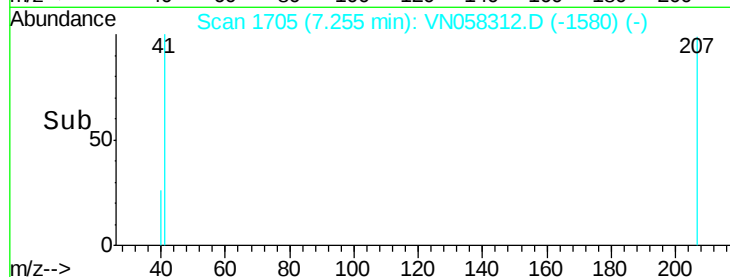
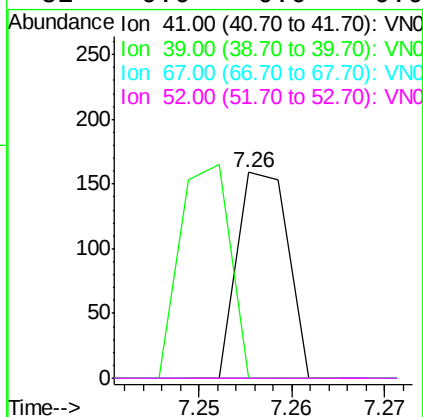
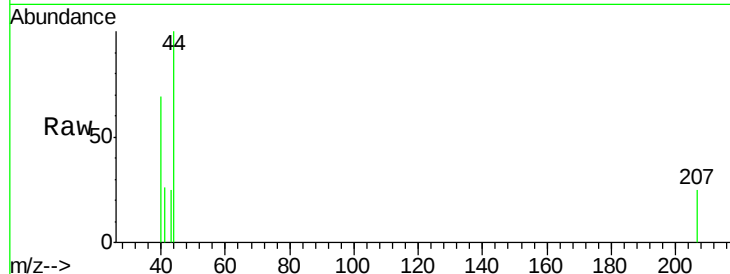




#41
Methacrylonitrile
Concen: 0.933 ug/l
RT: 7.26 min Scan# 1705
Delta R.T. 0.10 min
Lab File: VN058312.D
Acq: 23 Sep 2019 23:17

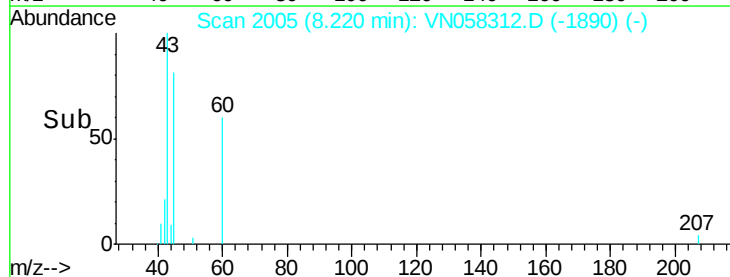
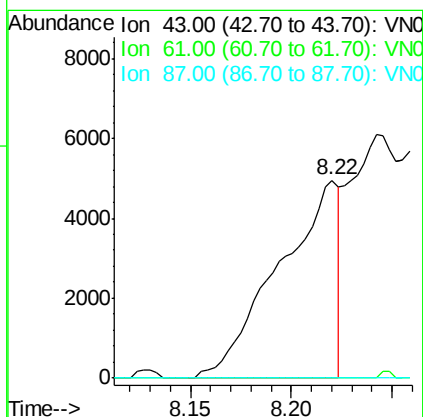
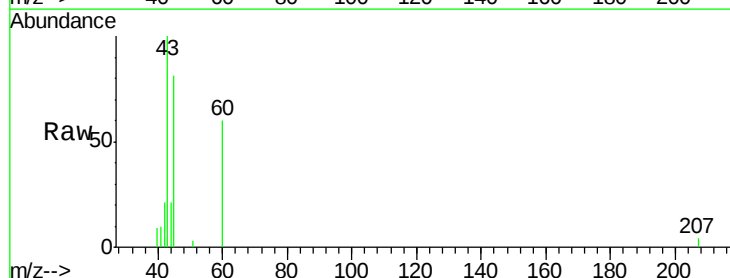
Instrument :
MSVOA_N
ClientSampled :

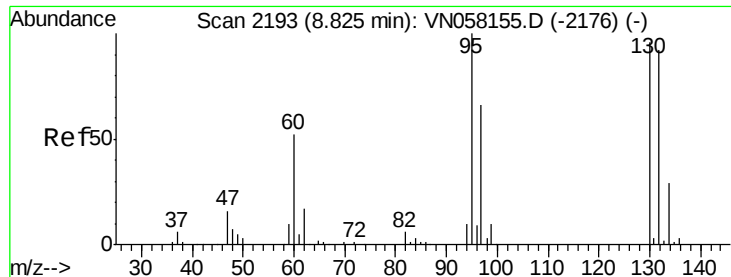
Tot Ion:	41	Resp:	60
Ion	Ratio	Lower	Upper
41	100		
39	101.7	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#43
Isopropyl Acetate
Concen: 1.013 ug/l
RT: 8.22 min Scan# 2005
Delta R.T. 0.07 min
Lab File: VN058312.D
Acq: 23 Sep 2019 23:17

Tgt Ion:	43	Resp:	10218
Ion	Ratio	Lower	Upper
43	100		
61	0.0	19.7	29.5#
87	0.0	9.4	14.2#

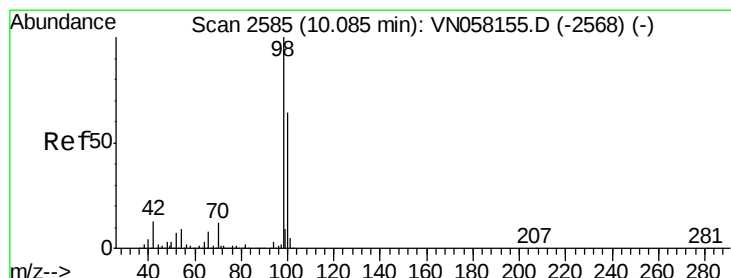
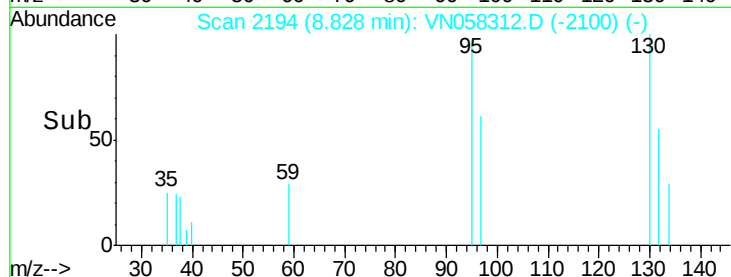
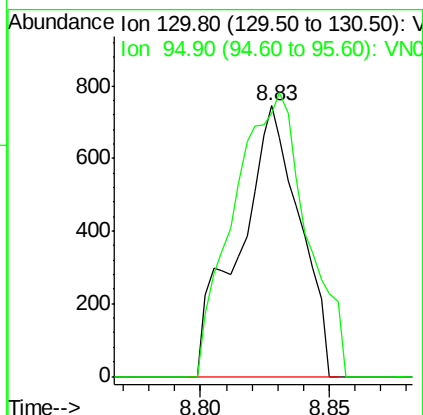
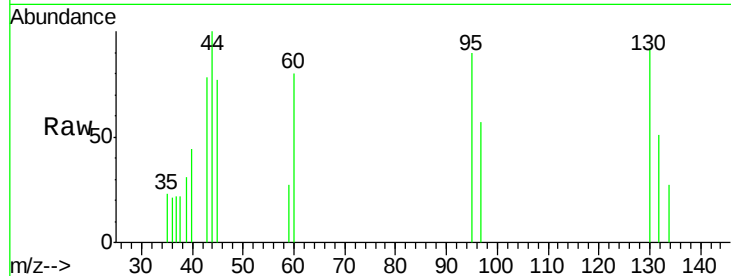




#44
 Trichloroethene
 Concen: 0.312 ug/l
 RT: 8.83 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VN058312.D
 Acq: 23 Sep 2019 23:17

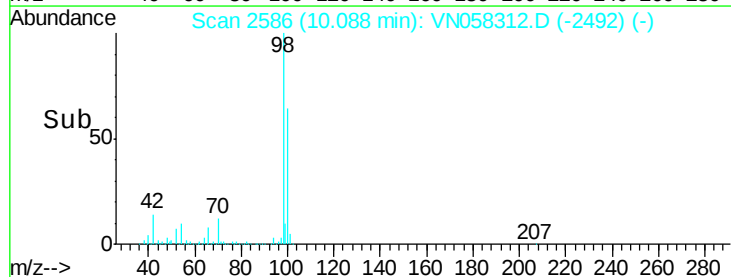
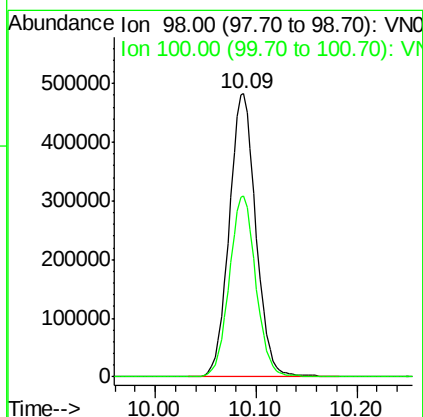
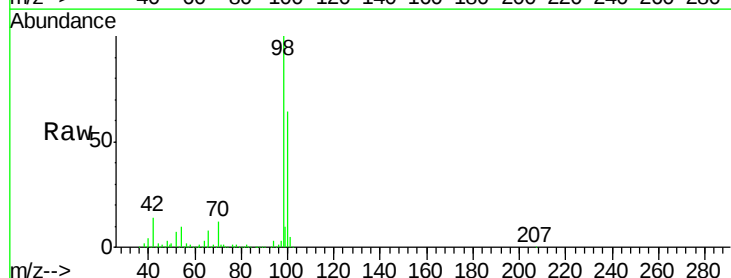
Instrument :
 MSVOA_N
 ClientSampled :

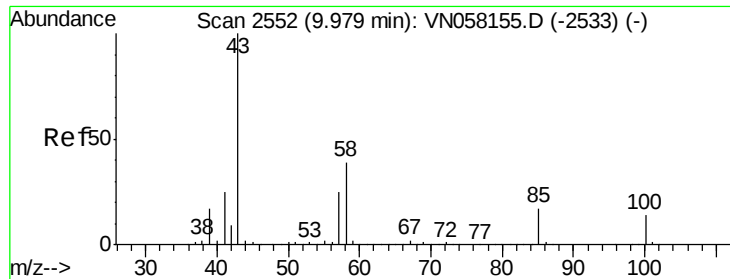
Tot Ion:130 Resp: 1214
 Ion Ratio Lower Upper
 130 100
 95 97.2 0.0 207.8



#50
 Toluene-d8
 Concen: 52.000 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. 0.00 min
 Lab File: VN058312.D
 Acq: 23 Sep 2019 23:17

Tgt Ion: 98 Resp: 889016
 Ion Ratio Lower Upper
 98 100
 100 63.6 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 0.475 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN058312.D

Acq: 23 Sep 2019 23:17

Instrument :

MSVOA_N

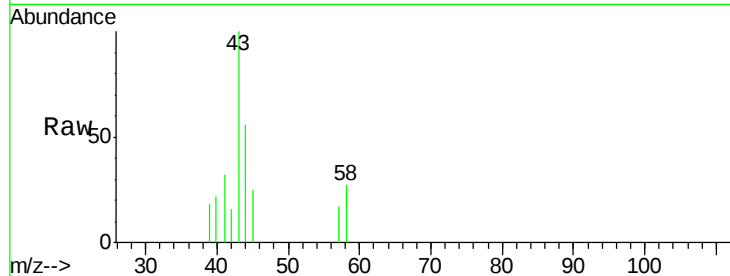
ClientSampled :

Tot Ion: 43 Resp: 2543

Ion Ratio Lower Upper

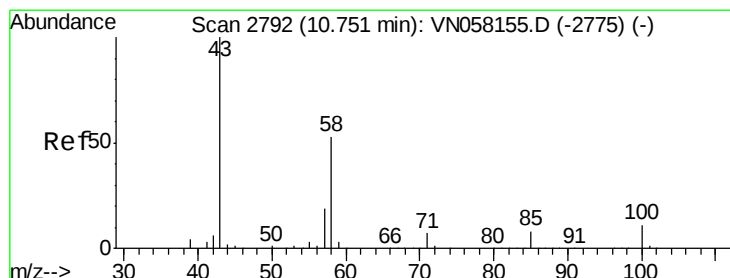
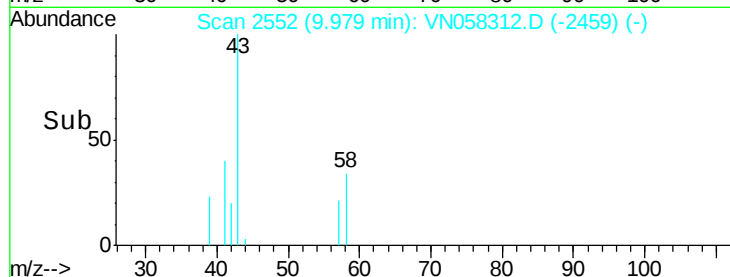
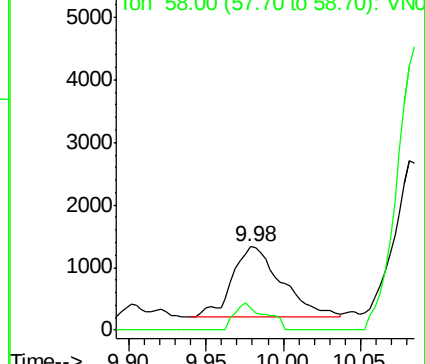
43 100

58 23.7 30.2 45.4#



Abundance Ion 43.00 (42.70 to 43.70): VN058312.D (-2459) (-)

Ion 58.00 (57.70 to 58.70): VN058312.D (-2459) (-)



#59

2-Hexanone

Concen: 0.484 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN058312.D

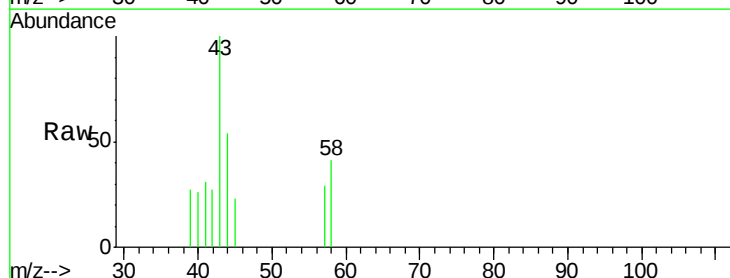
Acq: 23 Sep 2019 23:17

Tgt Ion: 43 Resp: 1925

Ion Ratio Lower Upper

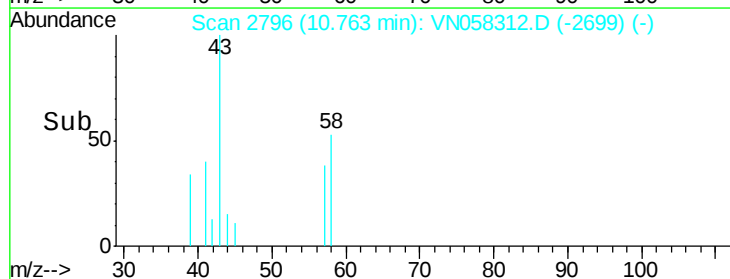
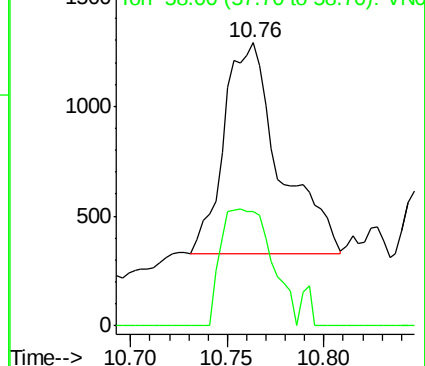
43 100

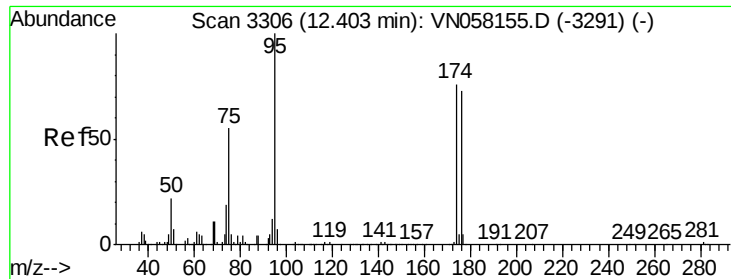
58 50.7 26.0 78.0



Abundance Ion 43.00 (42.70 to 43.70): VN058312.D (-2699) (-)

Ion 58.00 (57.70 to 58.70): VN058312.D (-2699) (-)





#62

4-Bromofluorobenzene

Concen: 41.640 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058312.D

Acq: 23 Sep 2019 23:17

Instrument :

MSVOA_N

ClientSampleId :

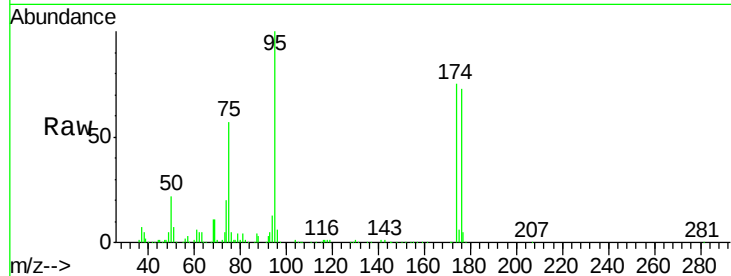
Tot Ion: 95 Resp: 264445

Ion Ratio Lower Upper

95 100

174 75.5 0.0 152.2

176 73.4 0.0 148.0



Abundance Ion 94.90 (94.60 to 95.60): VN058155.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN058155.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN058155.D (-3291) (-)

12.41

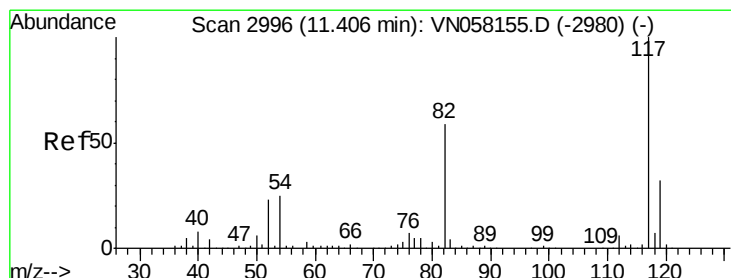
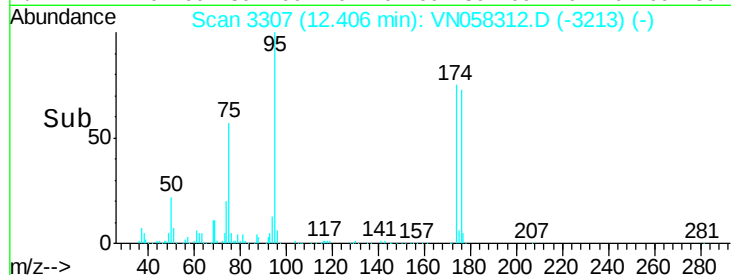
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN058312.D

Acq: 23 Sep 2019 23:17

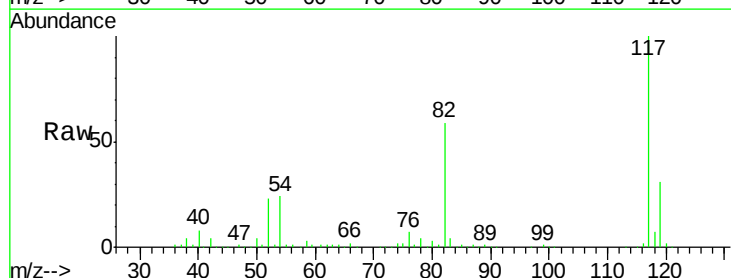
Tgt Ion: 117 Resp: 587236

Ion Ratio Lower Upper

117 100

82 58.5 46.9 70.3

119 31.2 25.3 37.9



Abundance Ion 116.90 (116.60 to 117.60): VN058155.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN058155.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN058155.D (-2980) (-)

11.41

400000

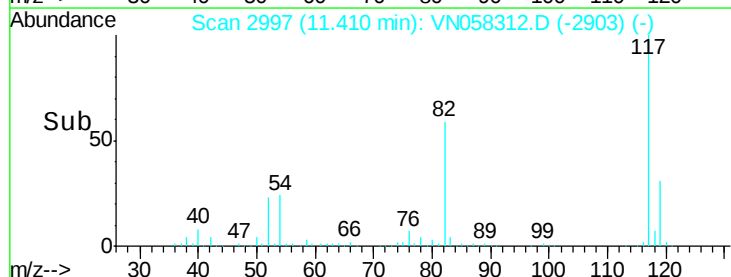
300000

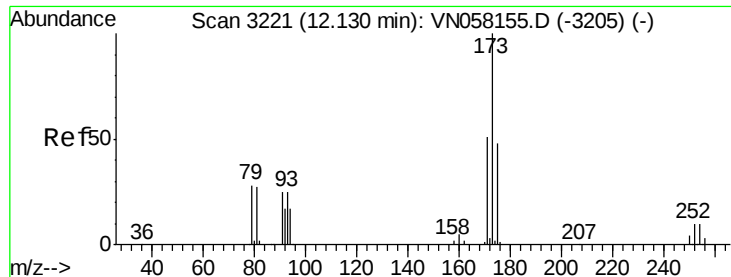
200000

100000

0

Time--> 11.30 11.40 11.50





#71

Bromoform

Concen: 3.775 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.27 min

Lab File: VN058312.D

Acq: 23 Sep 2019 23:17

Instrument :

MSVOA_N

ClientSampleId :

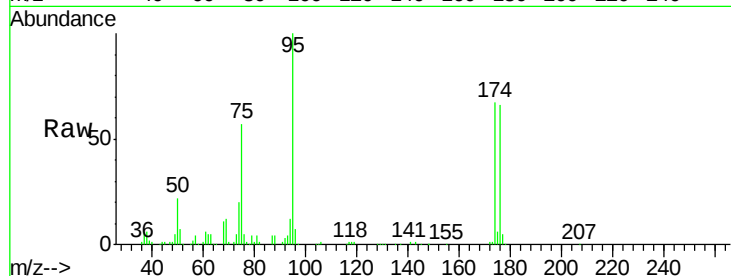
Tot Ion:173 Resp: 539

Ion Ratio Lower Upper

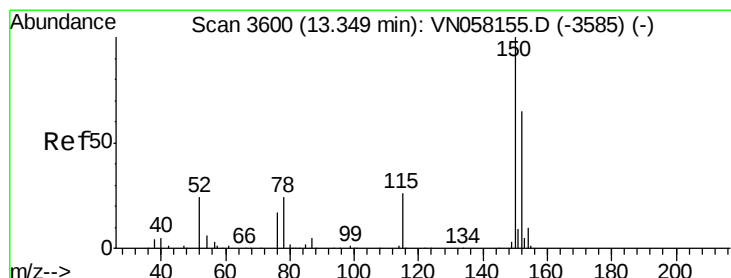
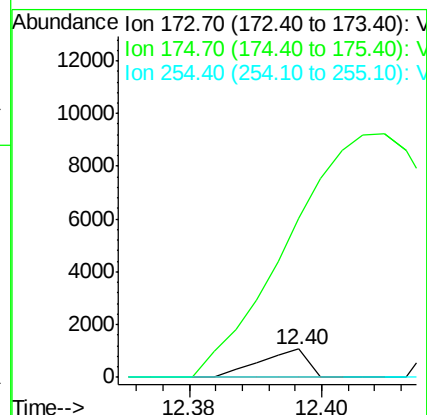
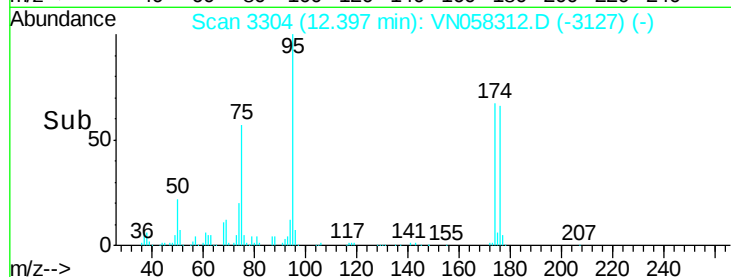
173 100

175 2378.5 24.2 72.6#

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# 3601

Delta R.T. 0.00 min

Lab File: VN058312.D

Acq: 23 Sep 2019 23:17

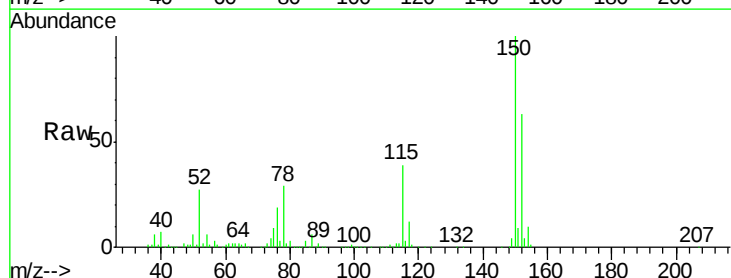
Tgt Ion:152 Resp: 216521

Ion Ratio Lower Upper

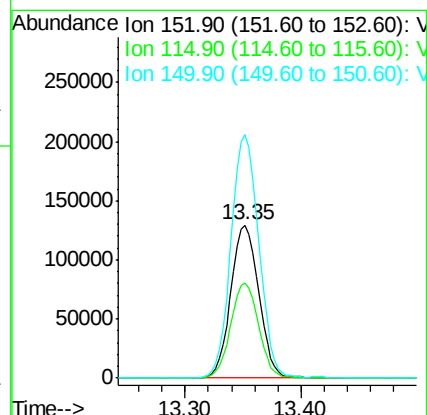
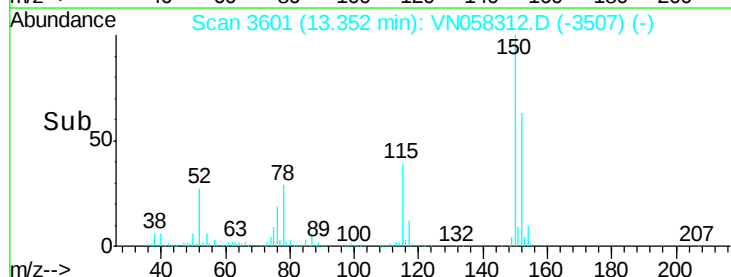
152 100

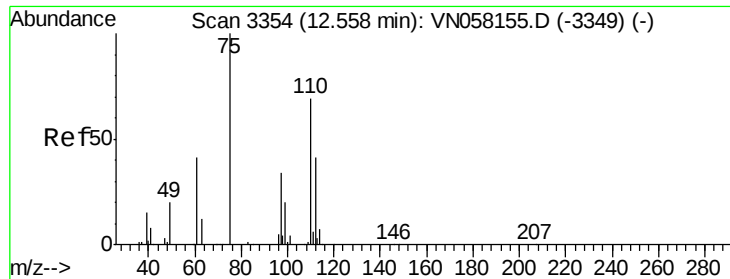
115 62.0 30.1 90.3

150 157.8 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 38.274 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN058312.D

Acq: 23 Sep 2019 23:17

Instrument :

MSVOA_N

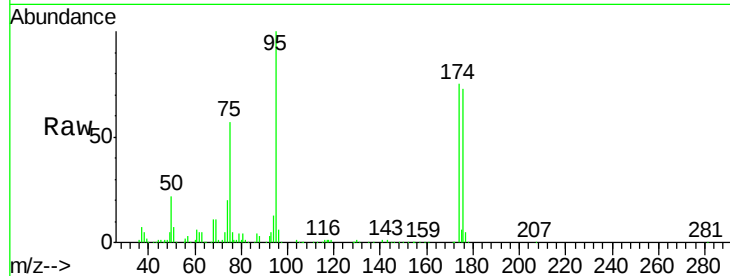
ClientSampled :

Tot Ion: 75 Resp: 148312

Ion Ratio Lower Upper

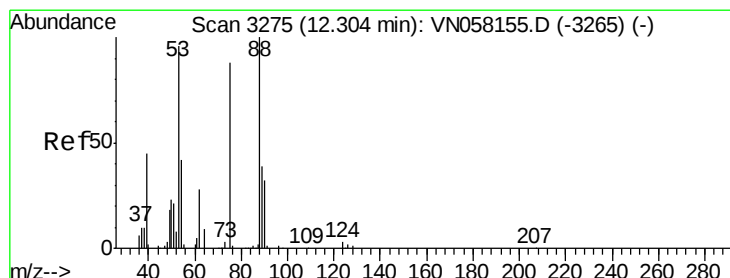
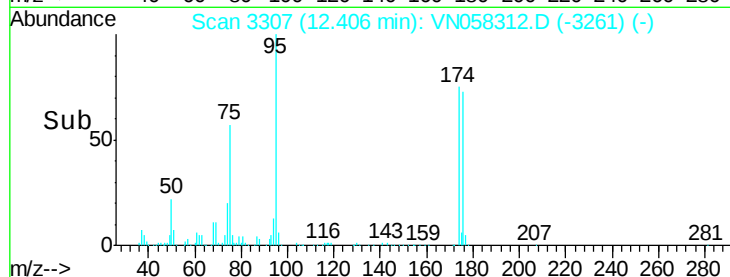
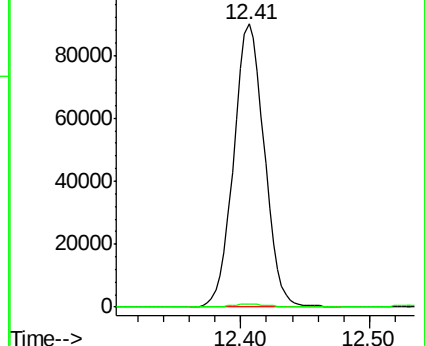
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO



#81

trans-1,4-Dichloro-2-butene

Concen: 106.524 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN058312.D

Acq: 23 Sep 2019 23:17

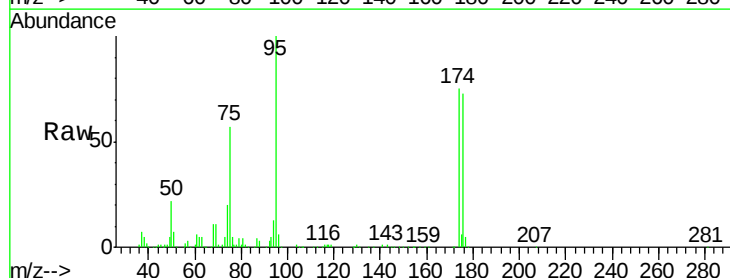
Tgt Ion: 75 Resp: 148312

Ion Ratio Lower Upper

75 100

53 0.0 90.1 135.1#

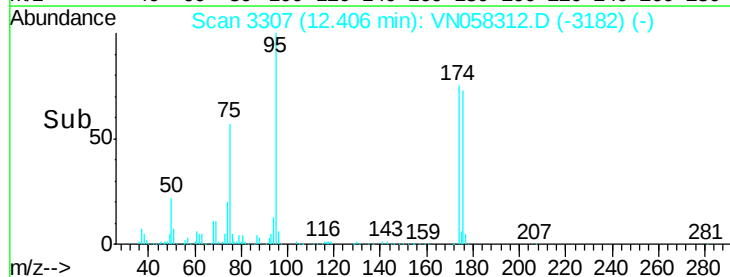
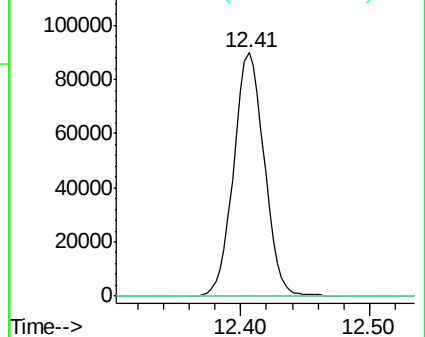
89 0.0 36.2 54.2#

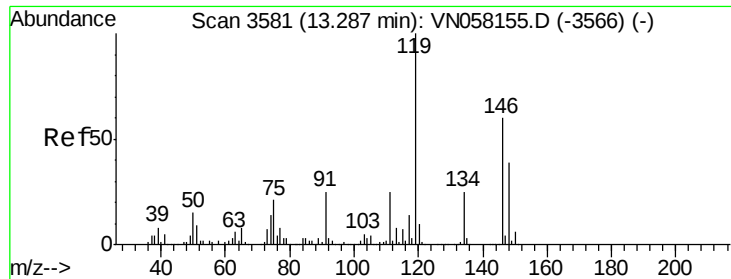


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

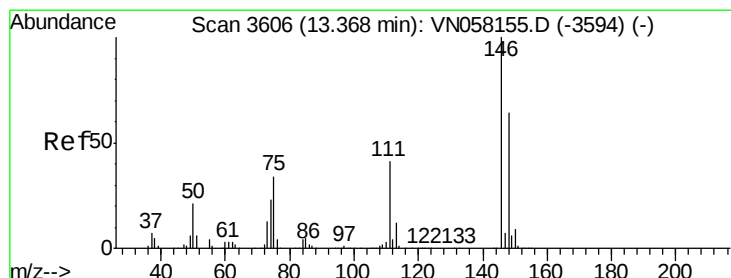
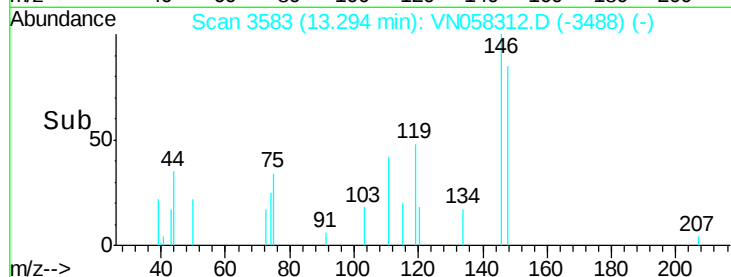
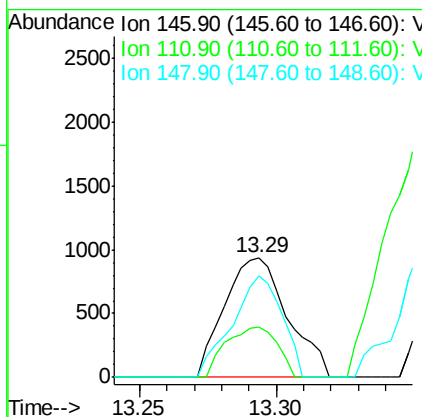
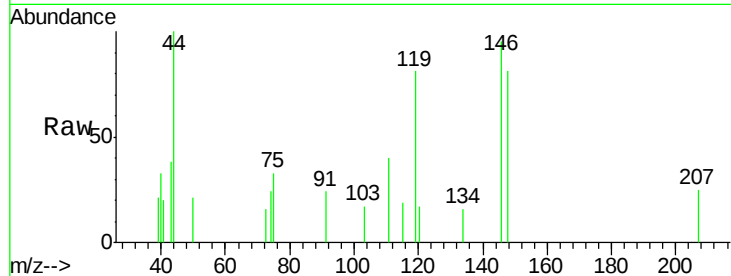




#87
 1,3-Dichlorobenzene
 Concen: 0.242 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.01 min
 Lab File: VN058312.D
 Acq: 23 Sep 2019 23:17

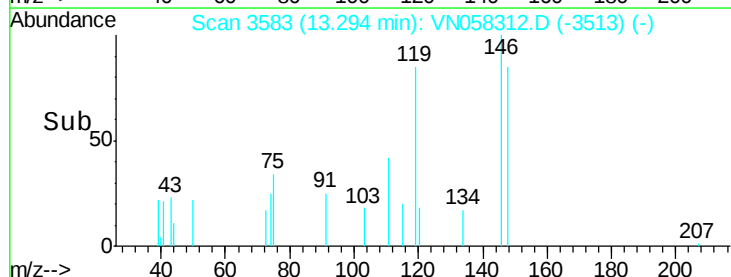
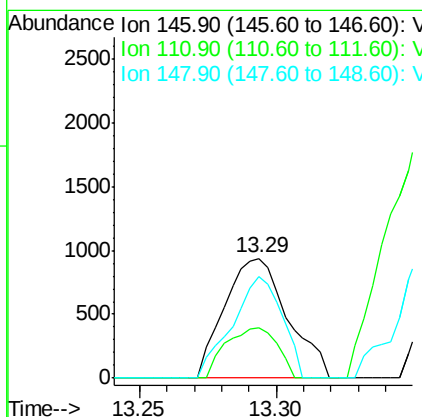
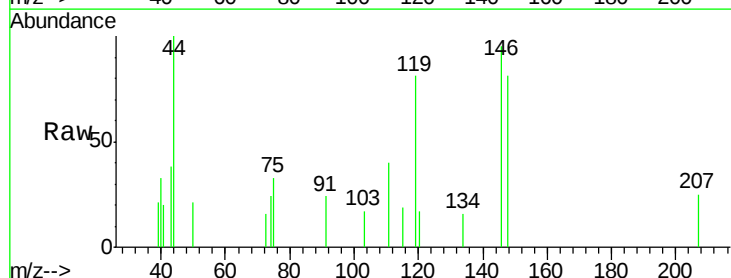
Instrument :
 MSVOA_N
 ClientSampled :

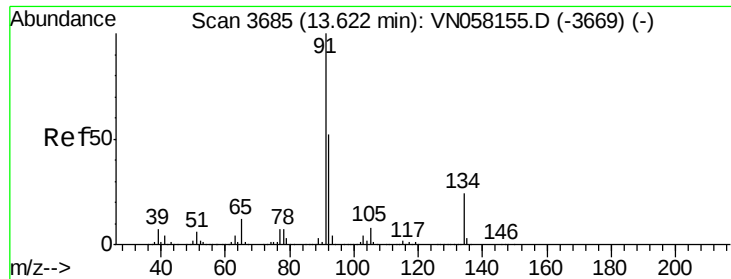
Tot Ion:146 Resp: 1507
 Ion Ratio Lower Upper
 146 100
 111 34.2 20.9 62.8
 148 66.4 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 0.237 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. -0.07 min
 Lab File: VN058312.D
 Acq: 23 Sep 2019 23:17

Tgt Ion:146 Resp: 1507
 Ion Ratio Lower Upper
 146 100
 111 34.2 20.5 61.5
 148 66.4 31.9 95.5





#89

n-Butylbenzene

Concen: 0.255 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN058312.D

Acq: 23 Sep 2019 23:17

Instrument :

MSVOA_N

ClientSampleId :

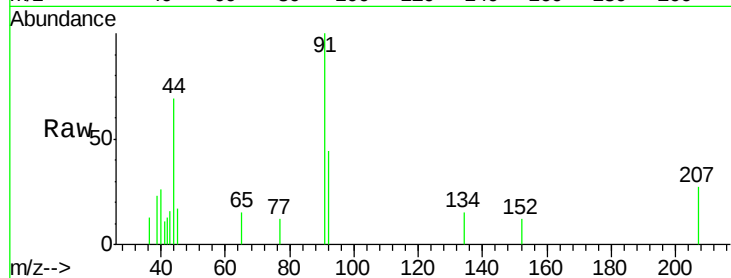
Tot Ion: 91 Resp: 2876

Ion Ratio Lower Upper

91 100

92 43.4 25.7 77.0

134 19.3 11.8 35.4

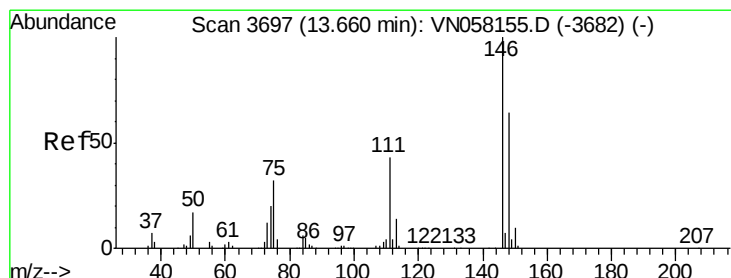
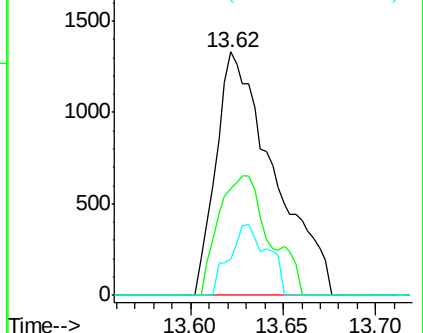
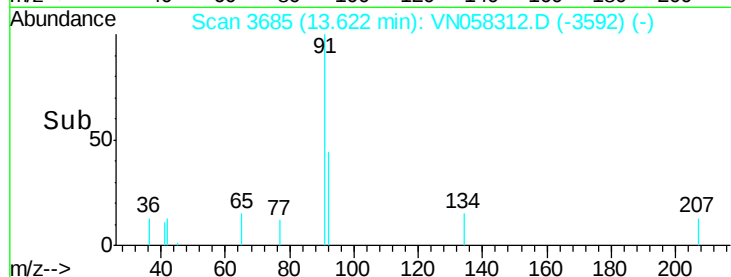


Abundance Ion 91.00 (90.70 to 91.70): VN058155.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN058155.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN058155.D (-3669) (-)

Time-->



#91

1,2-Dichlorobenzene

Concen: 0.272 ug/l

RT: 13.66 min Scan# 3698

Delta R.T. 0.00 min

Lab File: VN058312.D

Acq: 23 Sep 2019 23:17

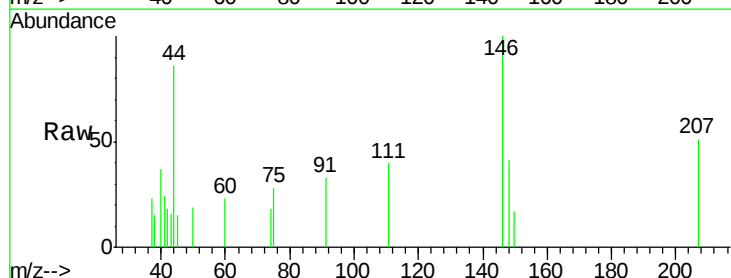
Tgt Ion: 146 Resp: 1700

Ion Ratio Lower Upper

146 100

111 32.7 21.1 63.1

148 49.8 31.8 95.4

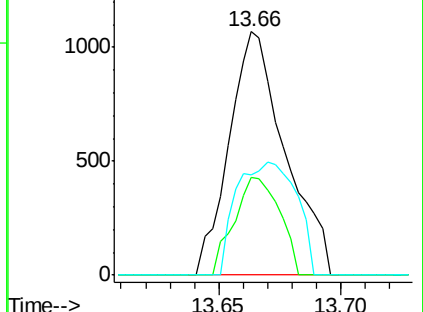
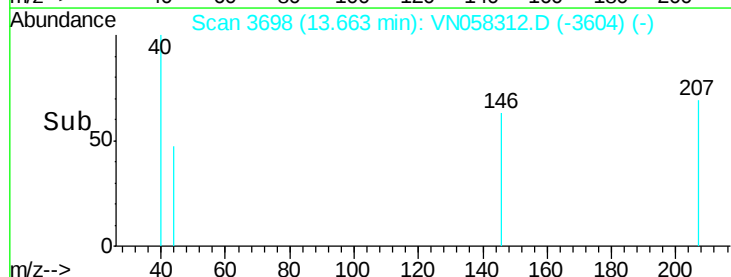


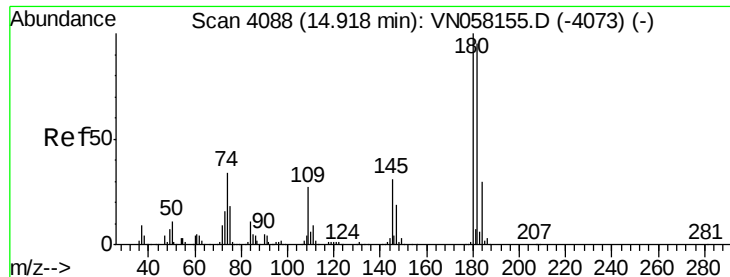
Abundance Ion 145.90 (145.60 to 146.60): VN058155.D (-3682) (-)

Ion 110.90 (110.60 to 111.60): VN058155.D (-3682) (-)

Ion 147.90 (147.60 to 148.60): VN058155.D (-3682) (-)

Time-->





#93

1,2,4-Trichlorobenzene

Concen: 0.751 ug/l

RT: 14.92 min Scan# 4089

Delta R.T. 0.00 min

Lab File: VN058312.D

Acq: 23 Sep 2019 23:17

Instrument :

MSVOA_N

ClientSampled :

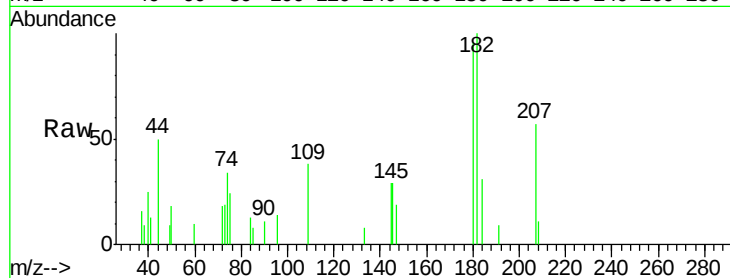
Tot Ion:180 Resp: 2998

Ion Ratio Lower Upper

180 100

182 110.7 47.8 143.3

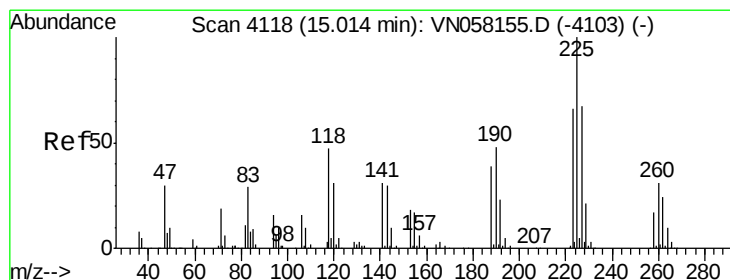
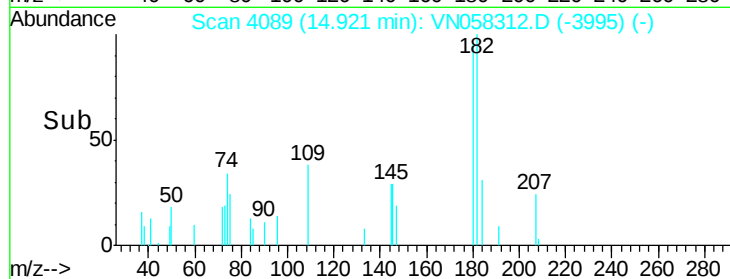
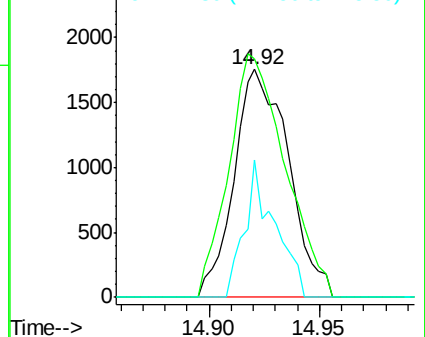
145 33.3 15.4 46.4



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: 0.304 ug/l

RT: 15.02 min Scan# 4120

Delta R.T. 0.01 min

Lab File: VN058312.D

Acq: 23 Sep 2019 23:17

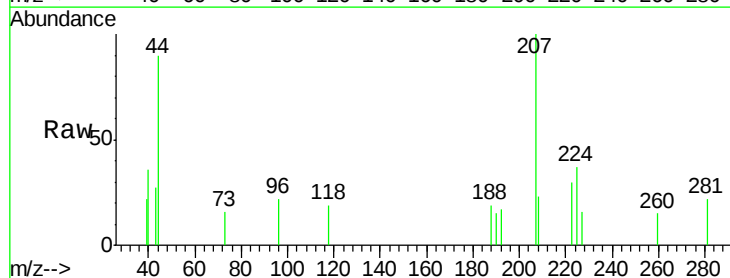
Tgt Ion:225 Resp: 586

Ion Ratio Lower Upper

225 100

223 67.2 32.6 97.7

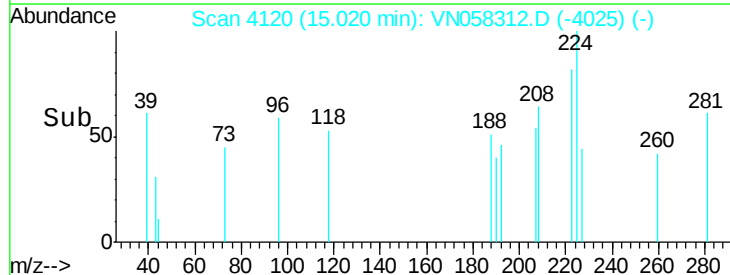
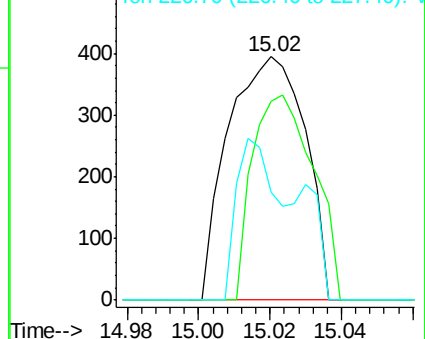
227 34.0 33.0 99.0

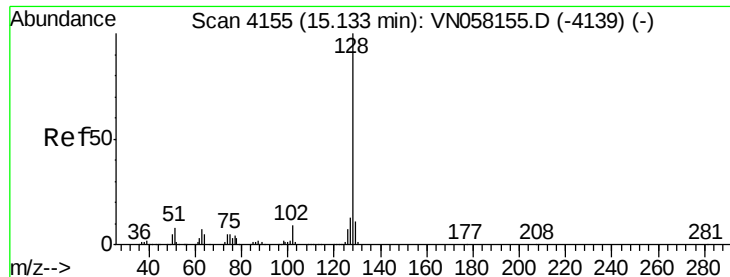


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 1.529 ug/l

RT: 15.14 min Scan# 4157

Delta R.T. 0.01 min

Lab File: VN058312.D

Acq: 23 Sep 2019 23:17

Instrument :

MSVOA_N

ClientSampleId :

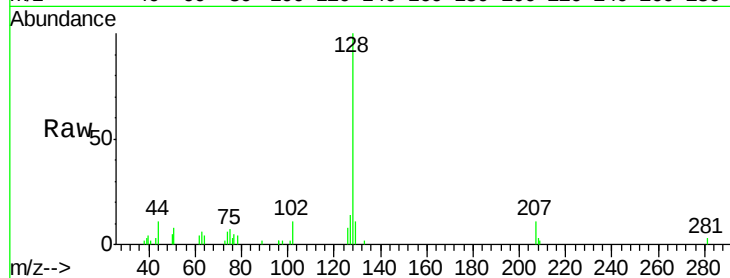
Tot Ion:128 Resp: 15815

Ion Ratio Lower Upper

128 100

127 13.4 10.2 15.2

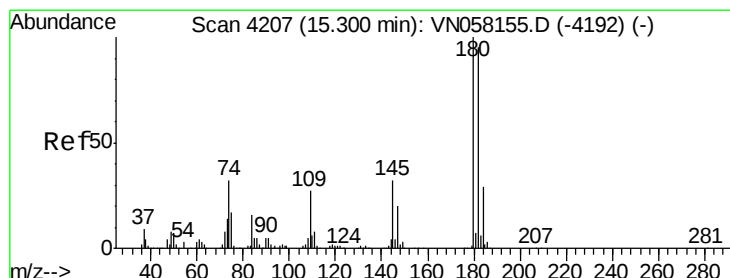
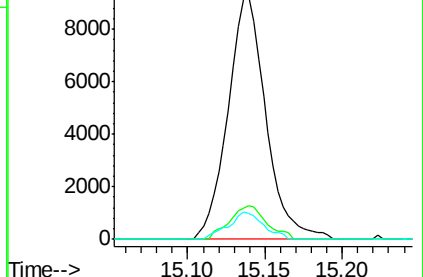
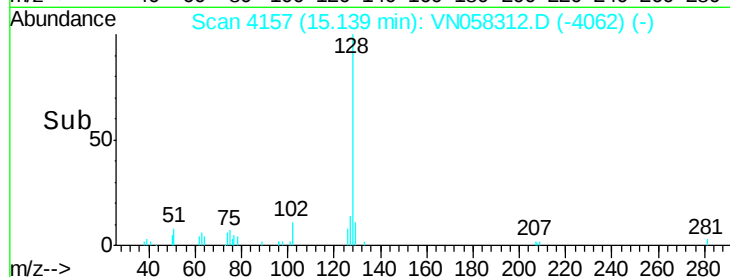
129 10.3 8.6 12.8



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: 1.176 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058312.D

Acq: 23 Sep 2019 23:17

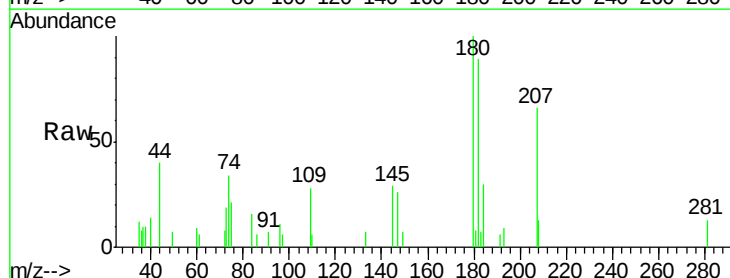
Tgt Ion:180 Resp: 4434

Ion Ratio Lower Upper

180 100

182 94.0 47.4 142.2

145 26.2 16.1 48.2



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

