

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100419\
 Data File : VN058546.D
 Acq On : 4 Oct 2019 17:15
 Operator : JC/SP
 Sample : K5169-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 04 23:40:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	423657	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	681409	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	639210	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	226801	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	301887	48.76	ug/l	0.00
Spiked Amount			Recovery	=	97.52%	
35) Dibromofluoromethane	7.57	113	213196	51.05	ug/l	0.00
Spiked Amount			Recovery	=	102.10%	
50) Toluene-d8	10.09	98	856576	52.36	ug/l	0.00
Spiked Amount			Recovery	=	104.72%	
62) 4-Bromofluorobenzene	12.41	95	274764	46.45	ug/l	0.00
Spiked Amount			Recovery	=	92.90%	

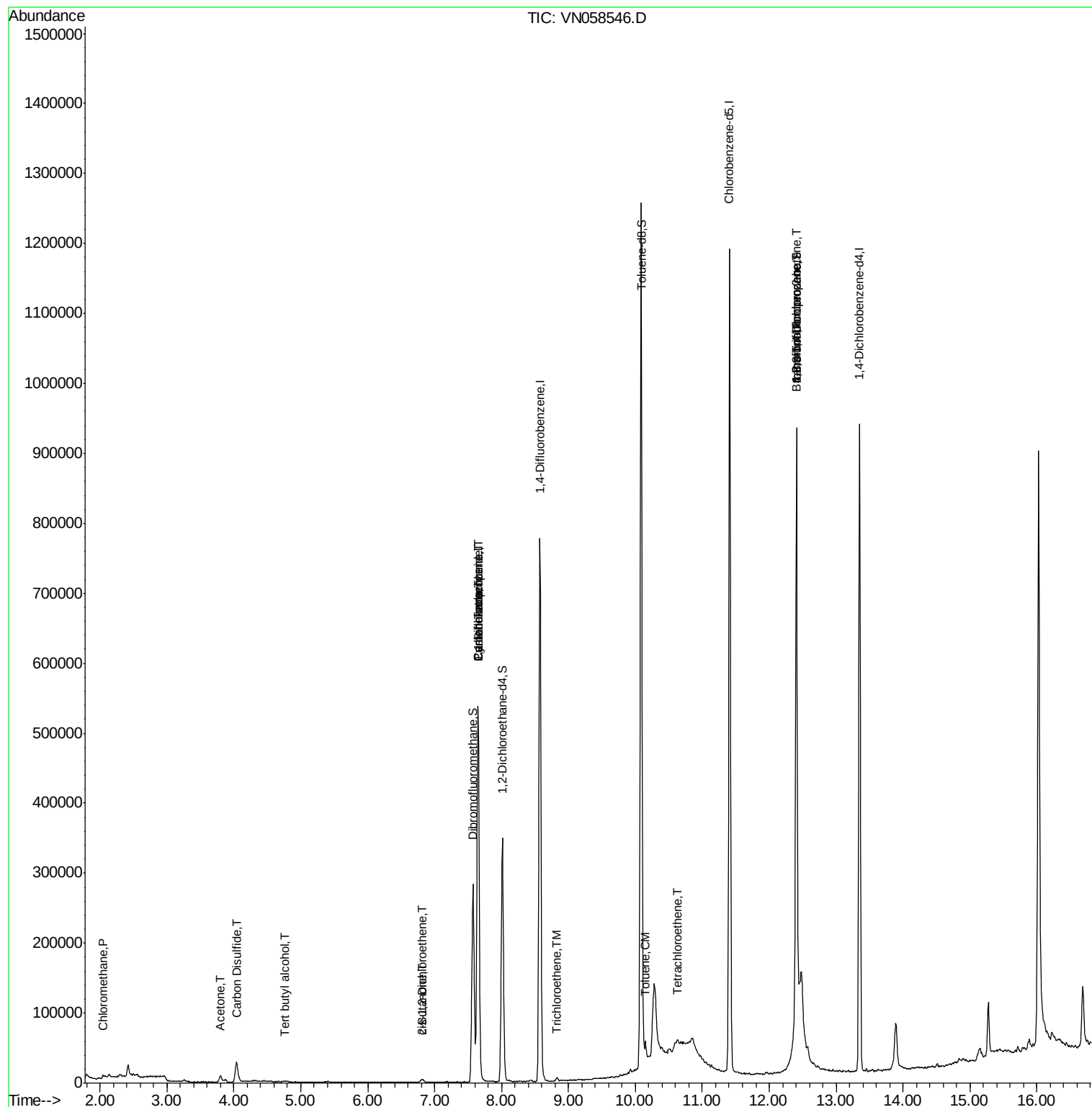
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	3005	0.588	ug/l	99
11) Tert butyl alcohol	4.76	59	1591	2.313	ug/l #	71
16) Acetone	3.80	43	15804	7.488	ug/l	94
17) Carbon Disulfide	4.03	76	2405	0.228	ug/l #	74
25) 2-Butanone	6.82	43	1090	0.376	ug/l #	85
27) cis-1,2-Dichloroethene	6.82	96	1949	0.375	ug/l	60
31) Cyclohexane	7.65	56	10277	1.199	ug/l #	18
36) 1,1-Dichloropropene	7.65	75	34590	5.309	ug/l #	52
38) Carbon Tetrachloride	7.65	117	42435	7.215	ug/l #	17
44) Trichloroethene	8.82	130	1284	0.278	ug/l	68
52) Toluene	10.15	92	8540	0.724	ug/l	91
60) Dibromochloromethane	10.63	129	718	Below Cal	#	11
64) Tetrachloroethene	10.63	164	1342	0.330	ug/l #	86
71) Bromoform	12.39	173	322	0.802	ug/l #	29
76) 1,2,3-Trichloropropane	12.40	75	156165	37.698	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	156165	114.493	ug/l #	8
96) 1,2,3-Trichlorobenzene	15.51	180	32	Below Cal	#	12

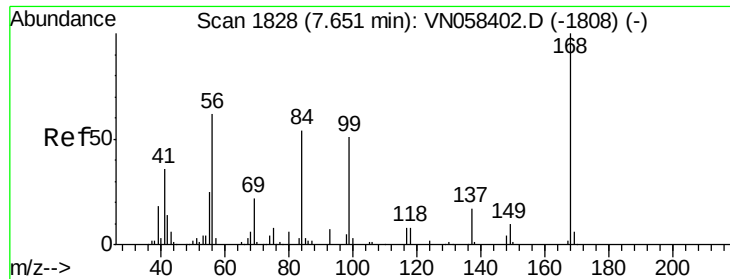
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN100419\
Data File : VN058546.D
Acq On : 4 Oct 2019 17:15
Operator : JC/SP
Sample : K5169-08
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Oct 04 23:40:17 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 30 08:07:38 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058546.D

Acq: 4 Oct 2019 17:15

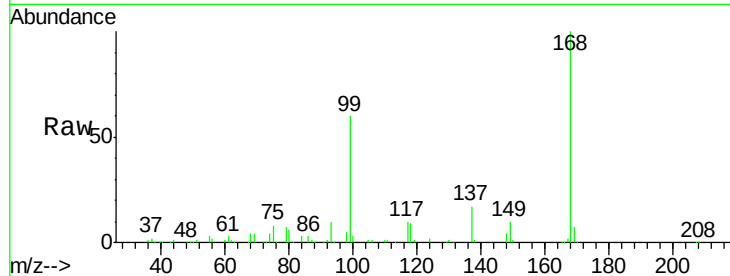
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 423657

Ion Ratio Lower Upper

168 100

99 60.1 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

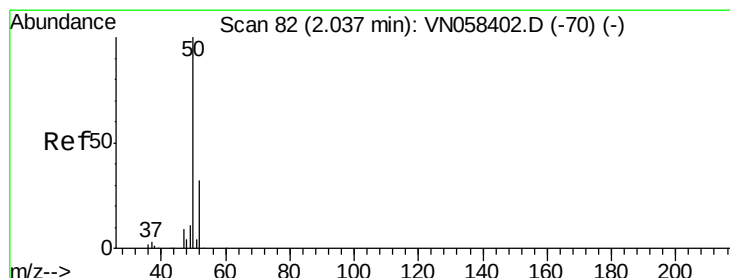
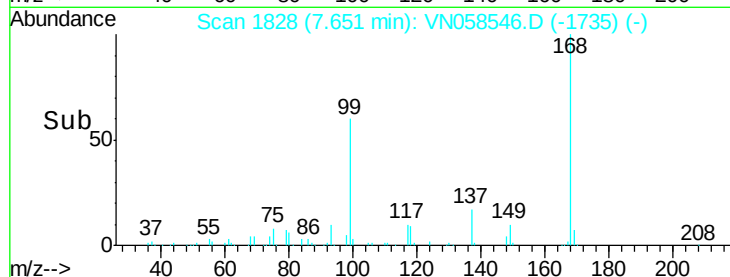
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#3

Chloromethane

Concen: 0.588 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058546.D

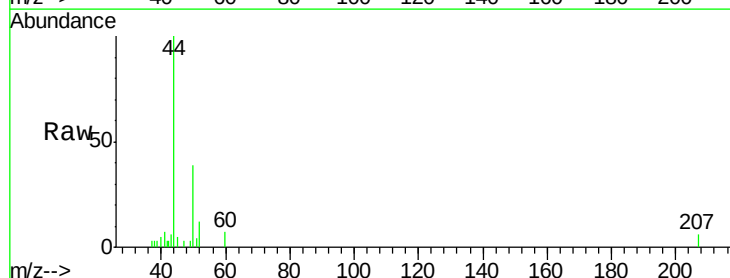
Acq: 4 Oct 2019 17:15

Tgt Ion: 50 Resp: 3005

Ion Ratio Lower Upper

50 100

52 31.7 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.04

2500

2000

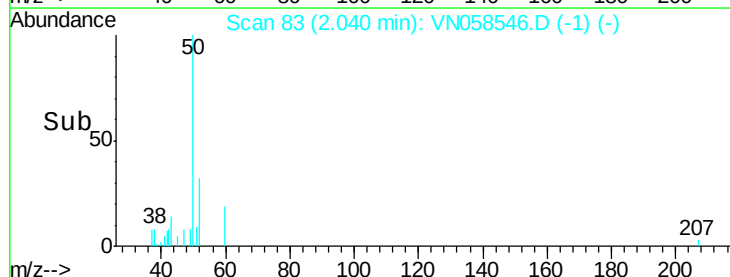
1500

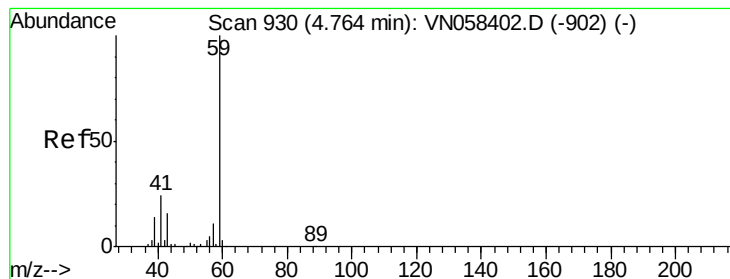
1000

500

0

Time--> 2.00 2.05





#11

Tert butyl alcohol

Concen: 2.313 ug/l

RT: 4.76 min Scan# 930

Delta R.T. 0.00 min

Lab File: VN058546.D

Acq: 4 Oct 2019 17:15

Instrument :

MSVOA_N

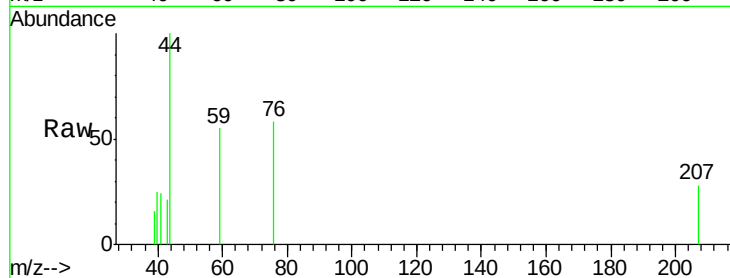
ClientSampleId :

Tot Ion: 59 Resp: 1591

Ion Ratio Lower Upper

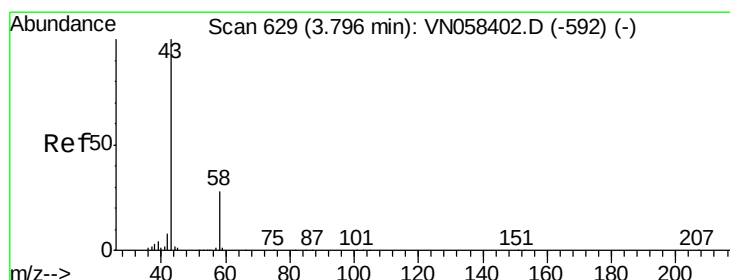
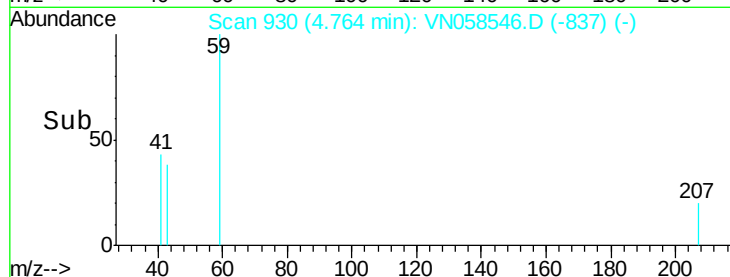
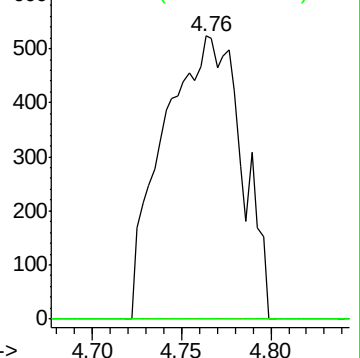
59 100

57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#16

Acetone

Concen: 7.488 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN058546.D

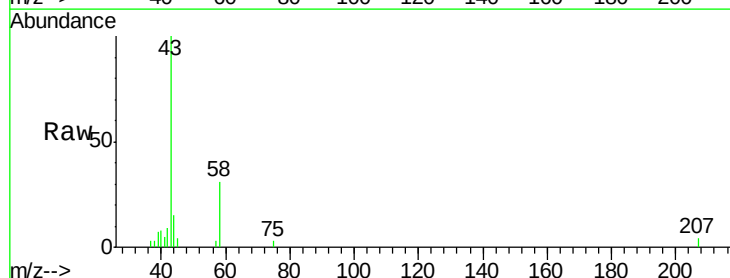
Acq: 4 Oct 2019 17:15

Tgt Ion: 43 Resp: 15804

Ion Ratio Lower Upper

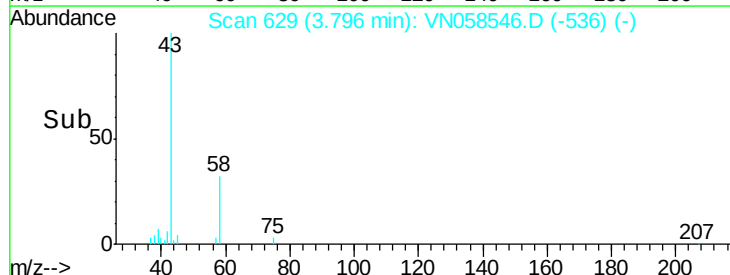
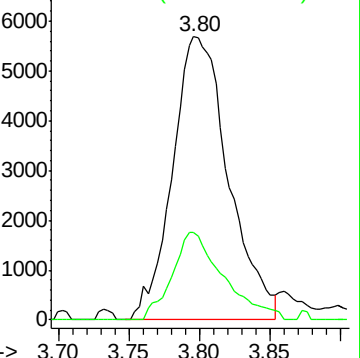
43 100

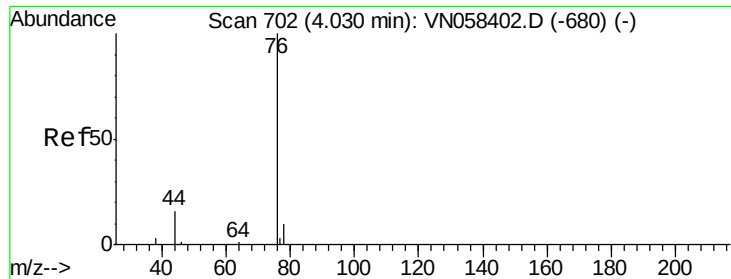
58 31.2 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 0.228 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN058546.D

Acq: 4 Oct 2019 17:15

Instrument :

MSVOA_N

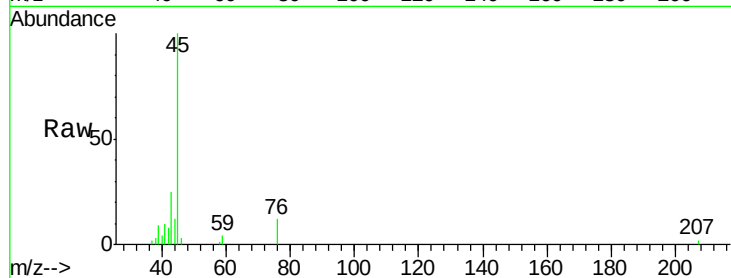
ClientSampleId :

Tot Ion: 76 Resp: 2405

Ion Ratio Lower Upper

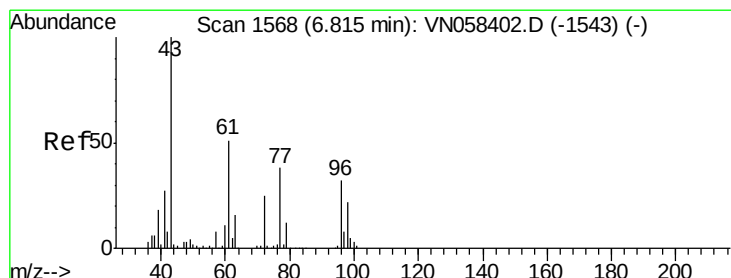
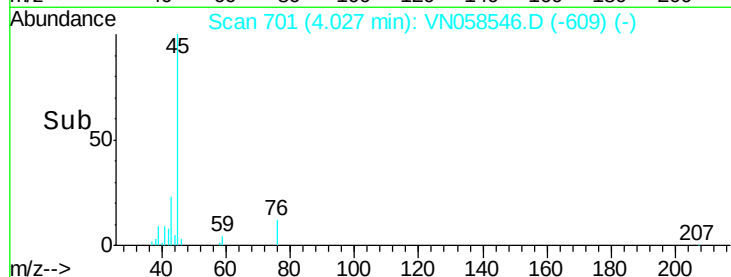
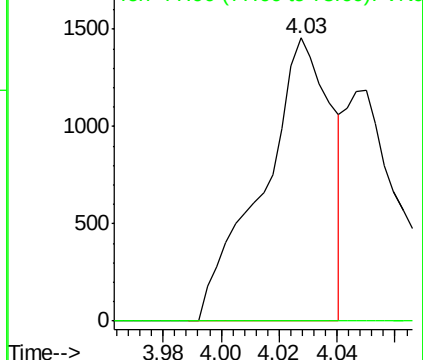
76 100

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



#25

2-Butanone

Concen: 0.376 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN058546.D

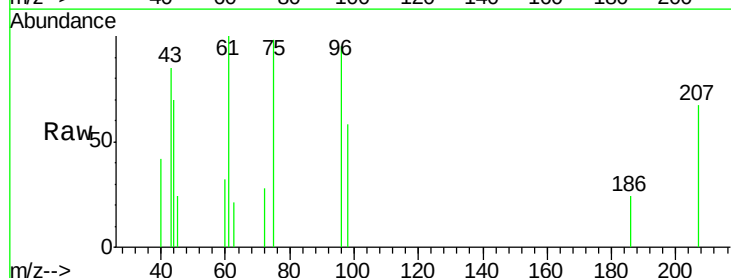
Acq: 4 Oct 2019 17:15

Tgt Ion: 43 Resp: 1090

Ion Ratio Lower Upper

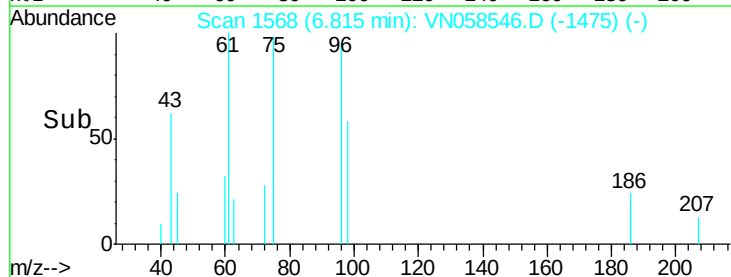
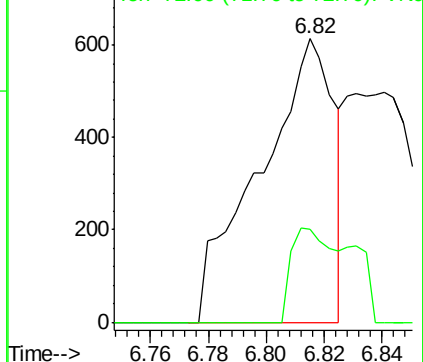
43 100

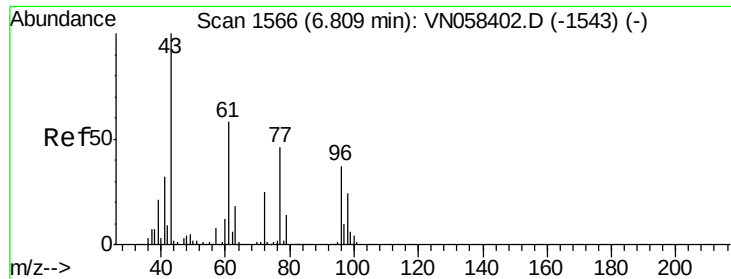
72 32.8 20.2 30.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0





#27

cis-1,2-Dichloroethene

Concen: 0.375 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. 0.01 min

Lab File: VN058546.D

Acq: 4 Oct 2019 17:15

Instrument :

MSVOA_N

ClientSampleId :

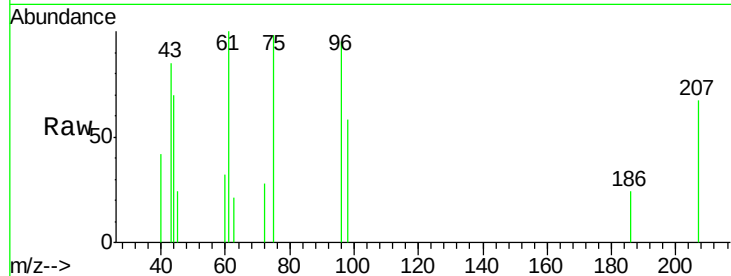
Tot Ion: 96 Resp: 1949

Ion Ratio Lower Upper

96 100

61 109.9 0.0 318.8

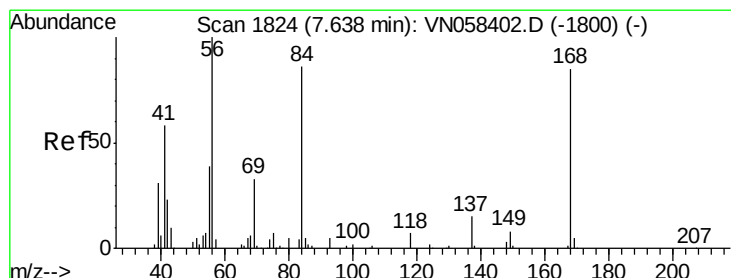
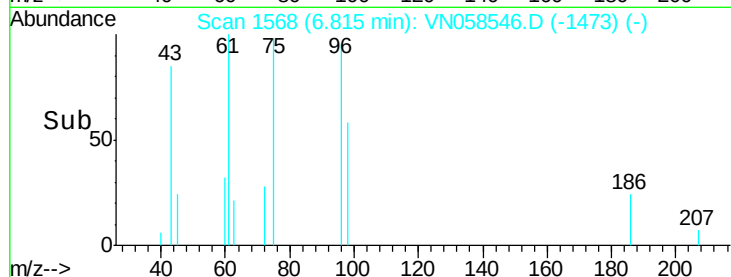
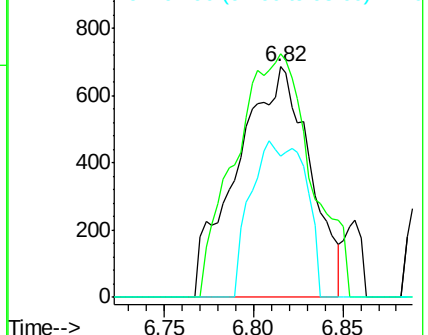
98 29.0 0.0 129.8



Abundance Ion 95.90 (95.60 to 96.60): VN058402.D (-1543) (-)

Ion 60.90 (60.60 to 61.60): VN058402.D (-1543) (-)

Ion 97.90 (97.60 to 98.60): VN058402.D (-1543) (-)



#31

Cyclohexane

Concen: 1.199 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VN058546.D

Acq: 4 Oct 2019 17:15

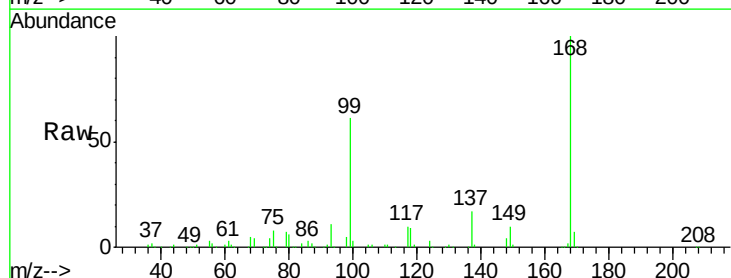
Tgt Ion: 56 Resp: 10277

Ion Ratio Lower Upper

56 100

69 173.0 26.2 39.4#

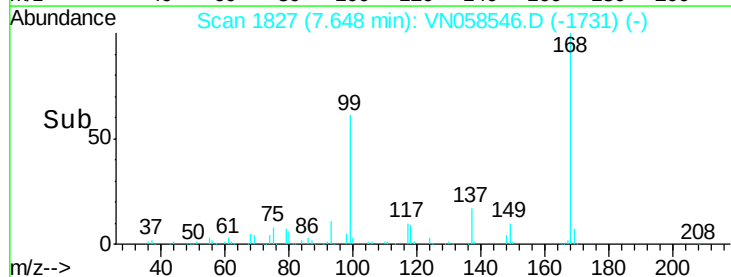
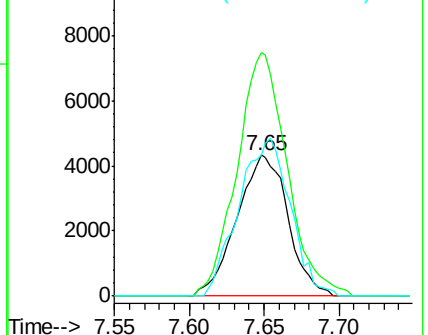
84 100.4 67.6 101.4

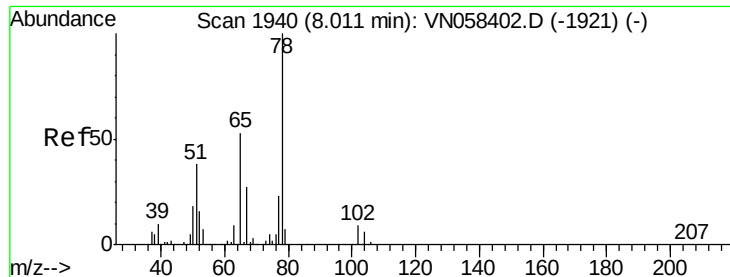


Abundance Ion 56.00 (55.70 to 56.70): VN058402.D (-1800) (-)

Ion 69.00 (68.70 to 69.70): VN058402.D (-1800) (-)

Ion 84.00 (83.70 to 84.70): VN058402.D (-1800) (-)

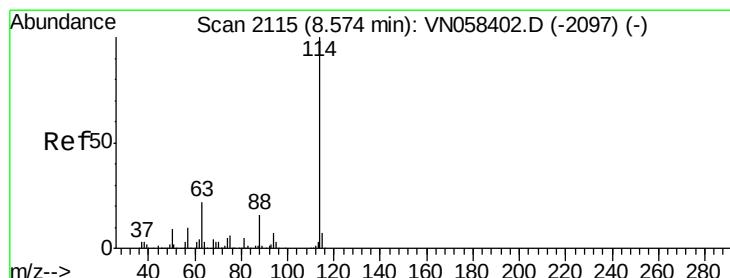
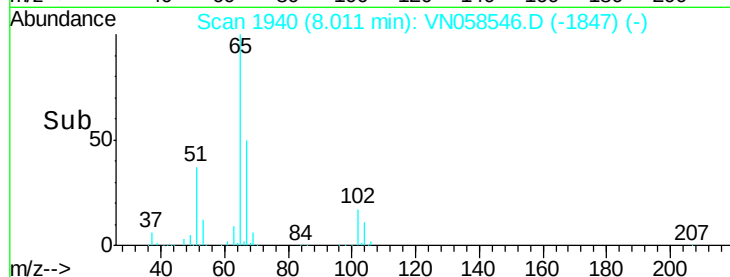
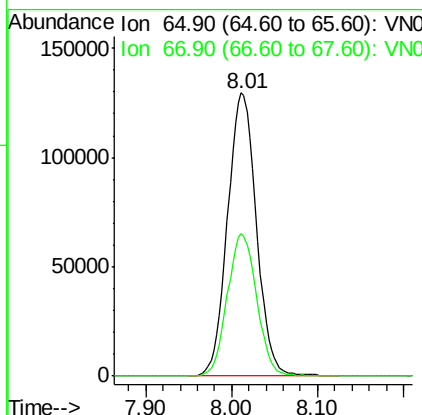
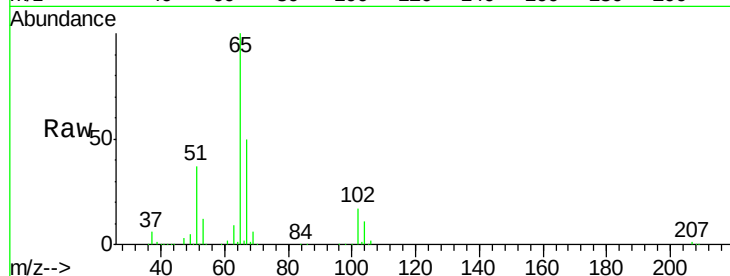




#33
 1,2-Dichloroethane-d4
 Concen: 48.762 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058546.D
 Acq: 4 Oct 2019 17:15

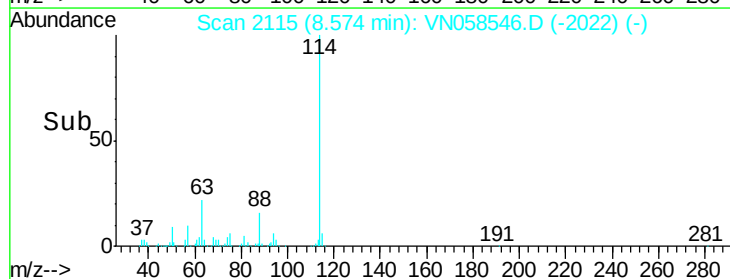
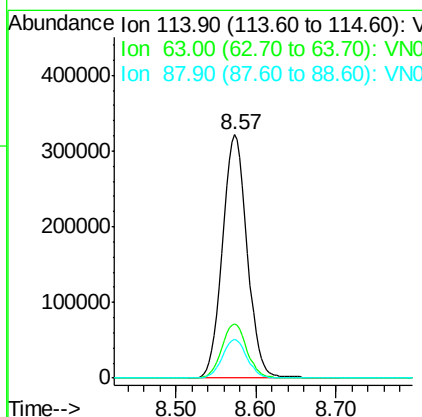
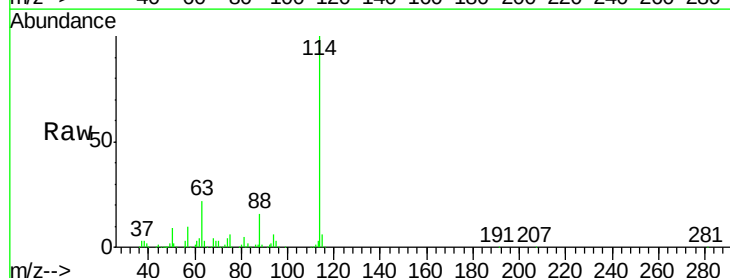
Instrument :
 MSVOA_N
 ClientSampled :

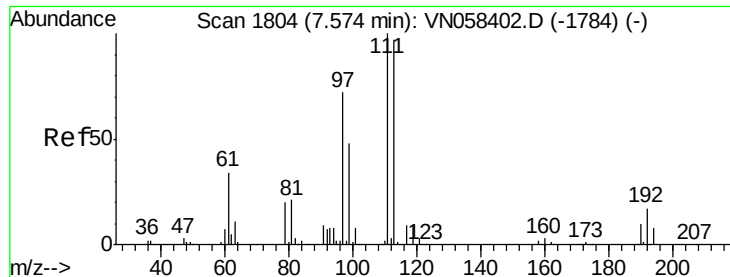
Tot Ion: 65 Resp: 301887
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058546.D
 Acq: 4 Oct 2019 17:15

Tgt Ion: 114 Resp: 681409
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 45.0
 88 15.8 0.0 32.2

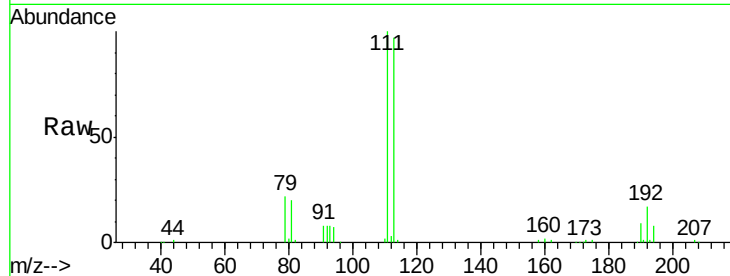




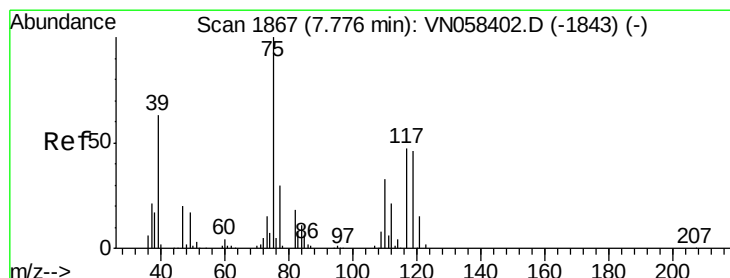
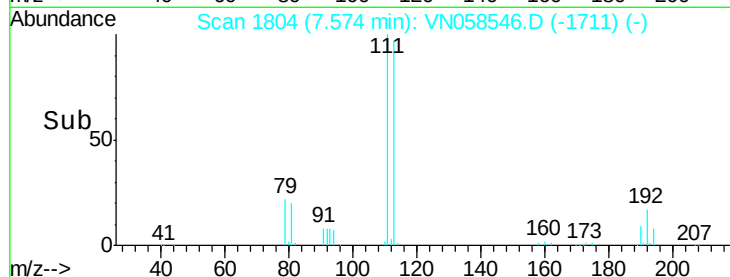
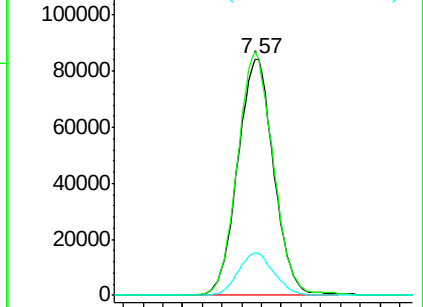
#35
 Dibromofluoromethane
 Concen: 51.049 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058546.D
 Acq: 4 Oct 2019 17:15

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:113 Resp: 213196
 Ion Ratio Lower Upper
 113 100
 111 102.0 83.4 125.2
 192 17.9 14.9 22.3

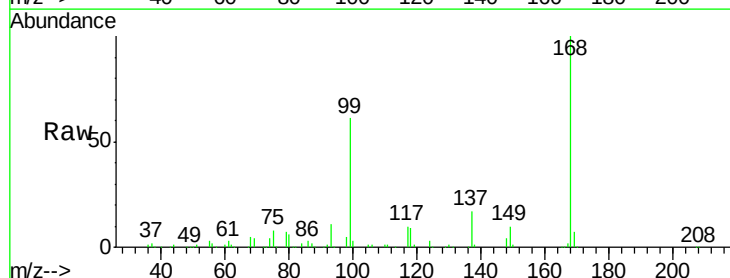


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

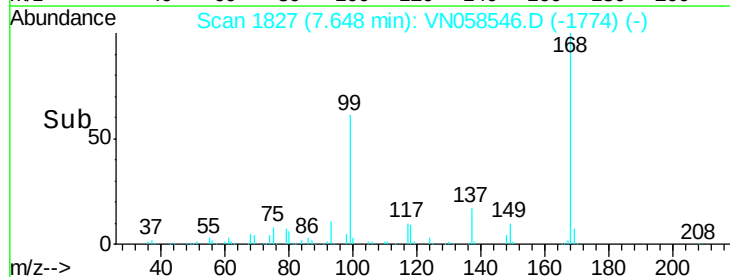
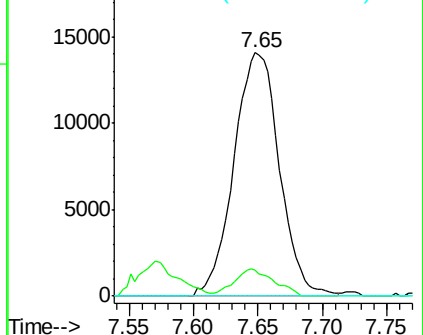


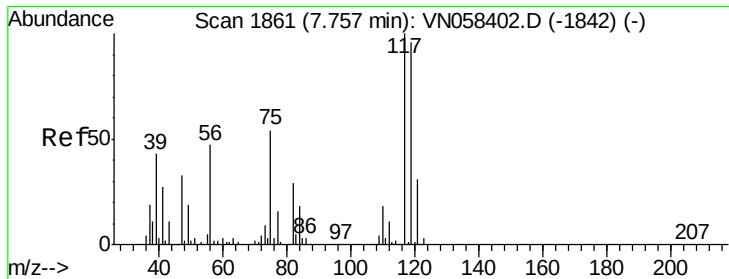
#36
 1,1-Dichloropropene
 Concen: 5.309 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN058546.D
 Acq: 4 Oct 2019 17:15

Tgt Ion: 75 Resp: 34590
 Ion Ratio Lower Upper
 75 100
 110 9.7 16.4 49.2#
 77 0.0 24.3 36.5#



Abundance Ion 74.90 (74.60 to 75.60): VNO
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VNO





#38

Carbon Tetrachloride

Concen: 7.215 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.11 min

Lab File: VN058546.D

Acq: 4 Oct 2019 17:15

Instrument :

MSVOA_N

ClientSampleId :

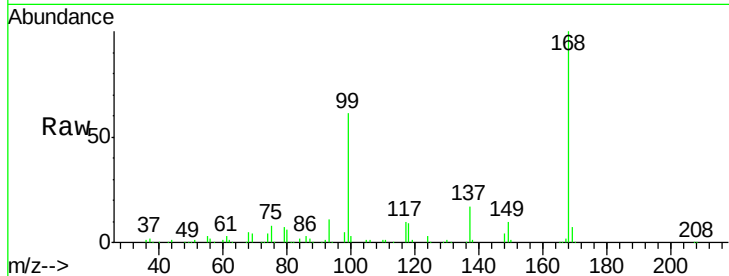
Tot Ion:117 Resp: 42435

Ion Ratio Lower Upper

117 100

119 5.8 76.6 115.0#

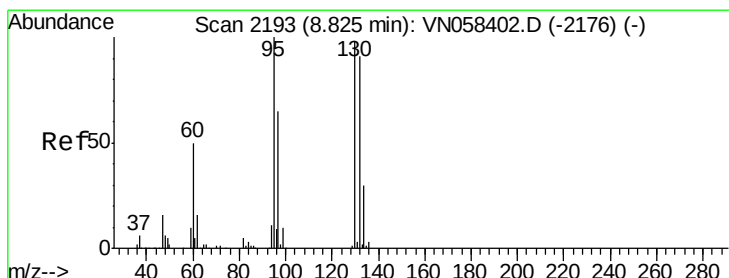
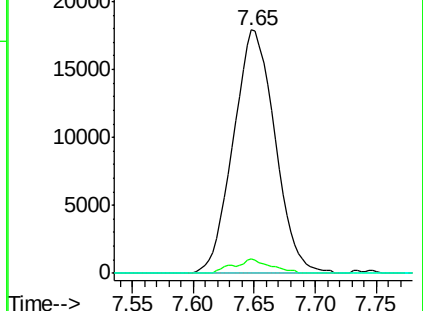
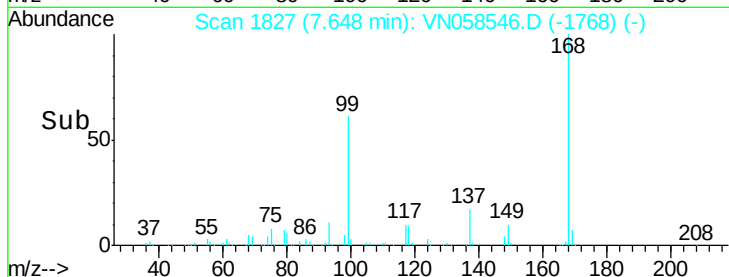
121 0.0 24.7 37.1#



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



#44

Trichloroethene

Concen: 0.278 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VN058546.D

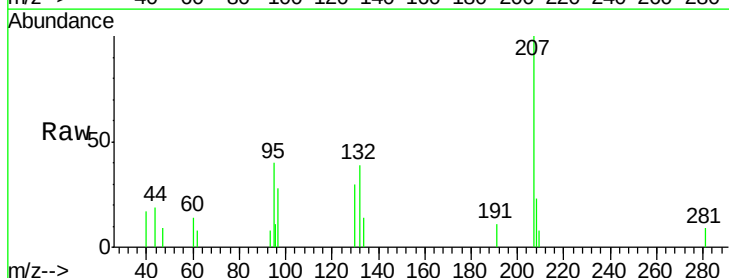
Acq: 4 Oct 2019 17:15

Tgt Ion:130 Resp: 1284

Ion Ratio Lower Upper

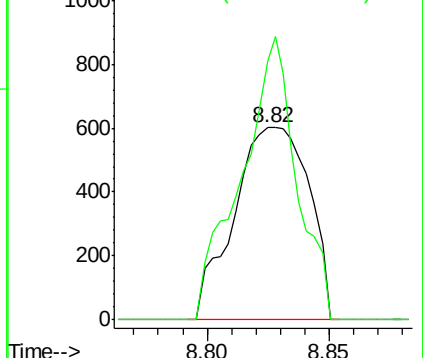
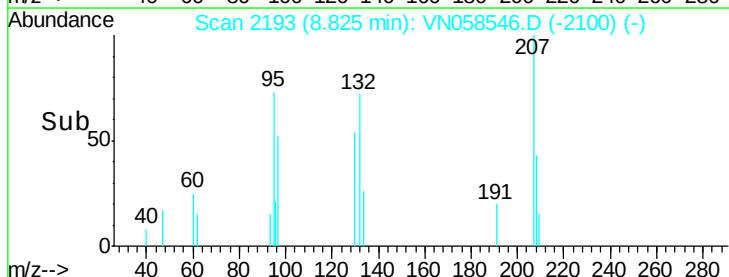
130 100

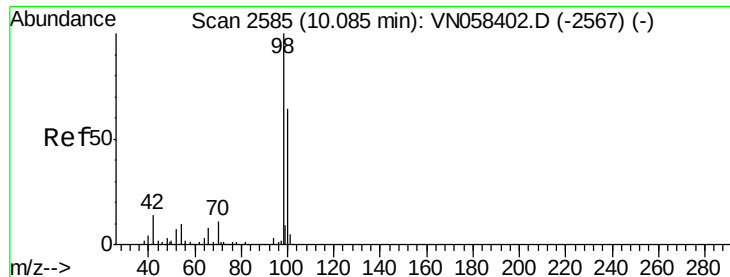
95 134.9 0.0 204.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V





#50

Toluene-d8

Concen: 52.357 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058546.D

Acq: 4 Oct 2019 17:15

Instrument :

MSVOA_N

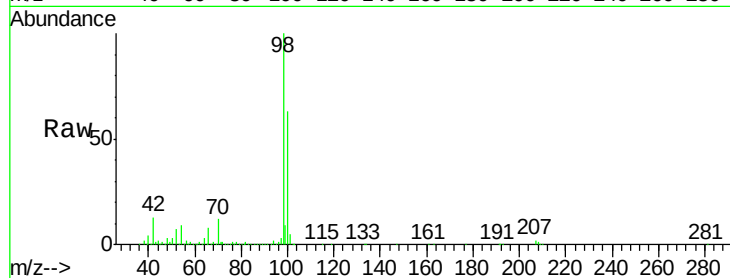
ClientSampled :

Tot Ion: 98 Resp: 856576

Ion Ratio Lower Upper

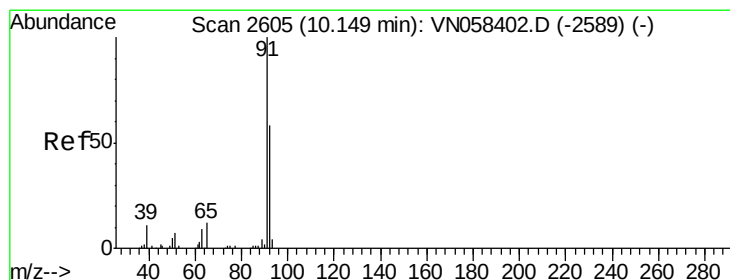
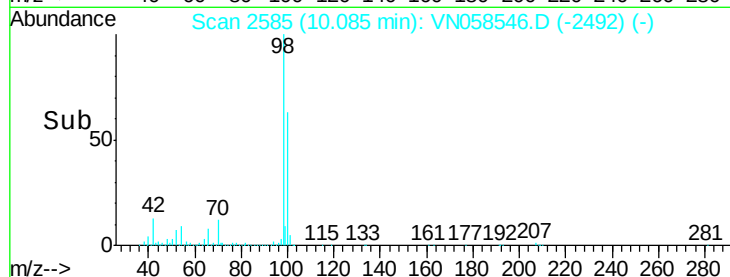
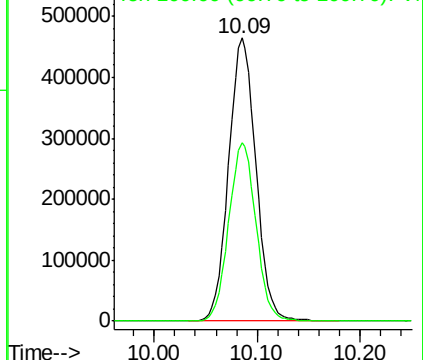
98 100

100 63.1 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#52

Toluene

Concen: 0.724 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058546.D

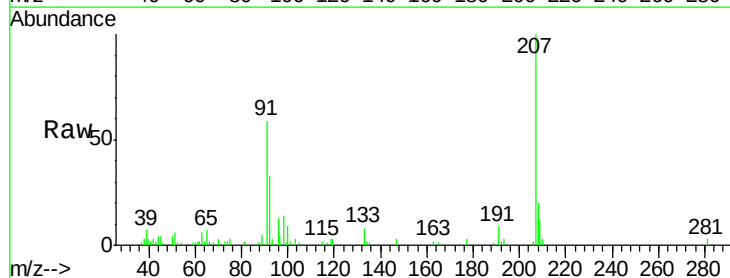
Acq: 4 Oct 2019 17:15

Tgt Ion: 92 Resp: 8540

Ion Ratio Lower Upper

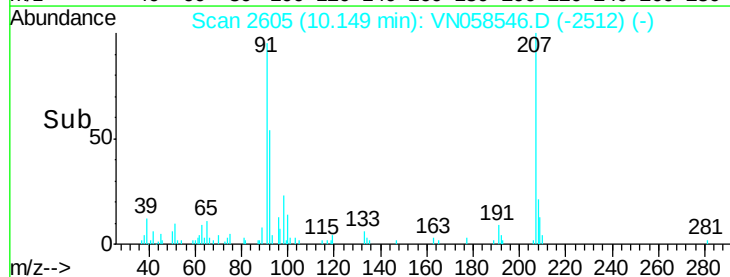
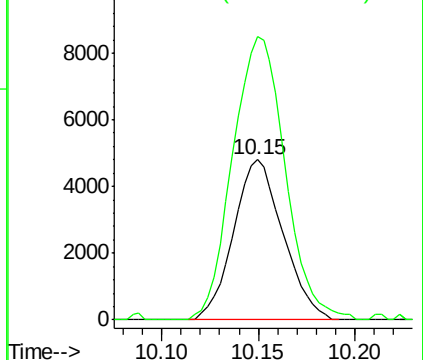
92 100

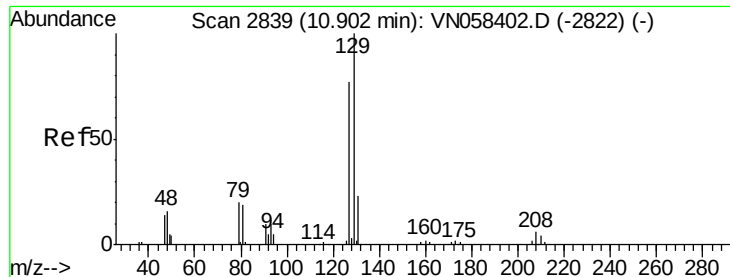
91 187.6 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#60

Dibromochloromethane

Concen: Below Cal

RT: 10.63 min Scan# 2754

Delta R.T. -0.27 min

Lab File: VN058546.D

Acq: 4 Oct 2019 17:15

Instrument :

MSVOA_N

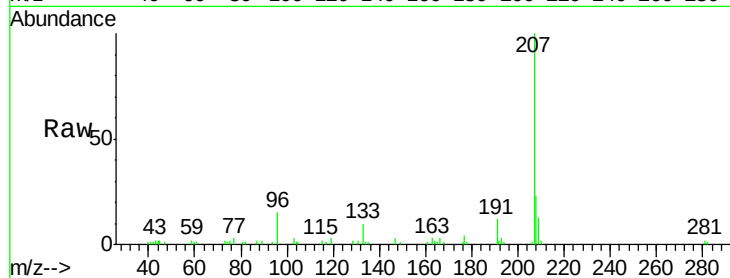
ClientSampled :

Tot Ion:129 Resp: 718

Ion Ratio Lower Upper

129 100

127 0.0 38.3 114.8#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.63

500

400

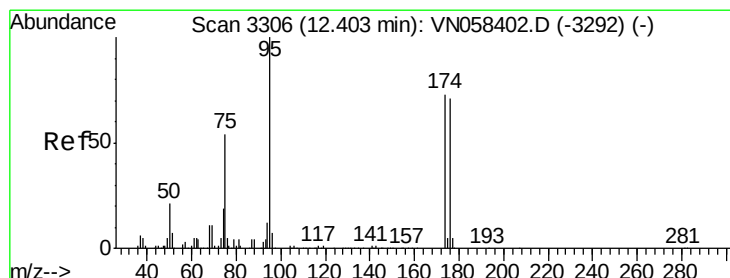
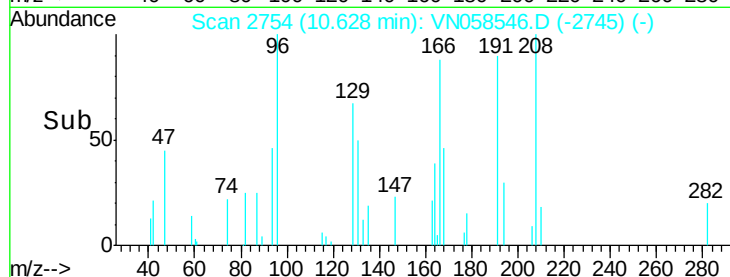
300

200

100

0

Time-->



#62

4-Bromofluorobenzene

Concen: 46.448 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058546.D

Acq: 4 Oct 2019 17:15

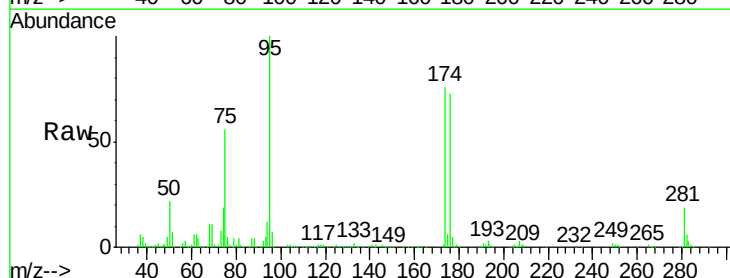
Tgt Ion: 95 Resp: 274764

Ion Ratio Lower Upper

95 100

174 75.6 0.0 150.6

176 74.0 0.0 146.2



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

200000

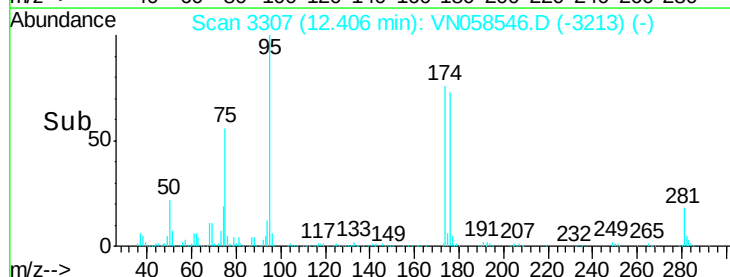
150000

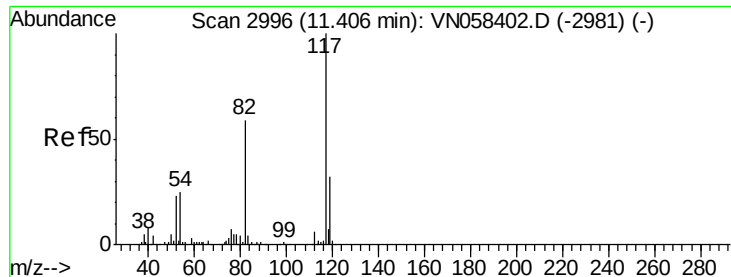
100000

50000

0

Time-->

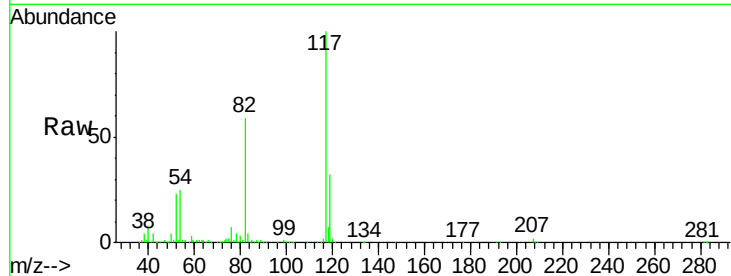




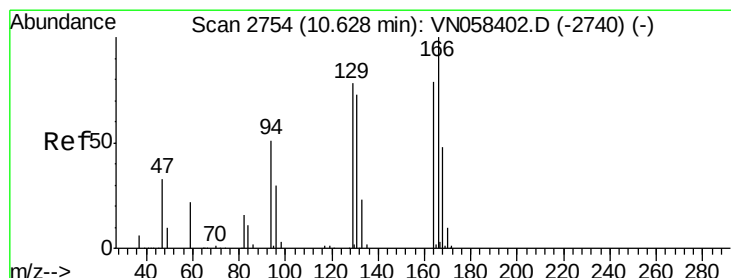
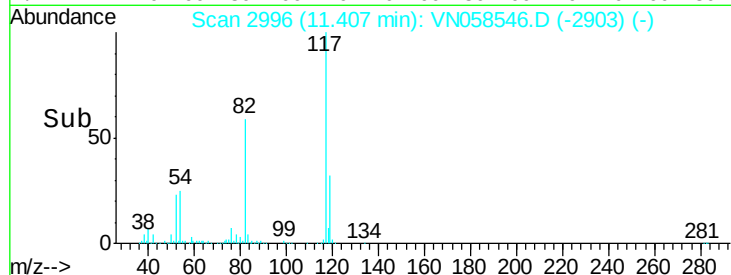
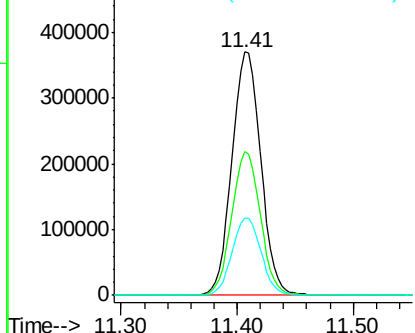
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058546.D
Acq: 4 Oct 2019 17:15

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 639210
Ion Ratio Lower Upper
117 100
82 58.9 47.4 71.0
119 31.6 25.5 38.3



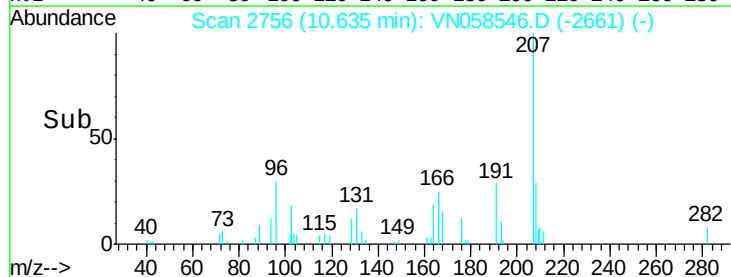
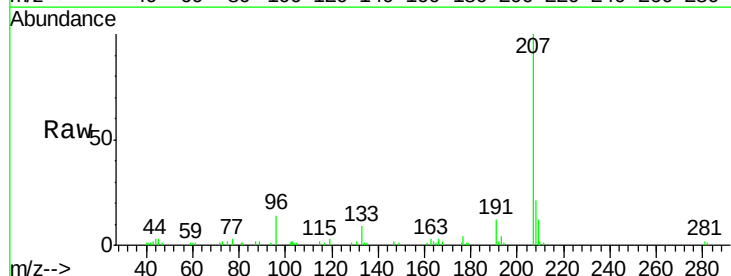
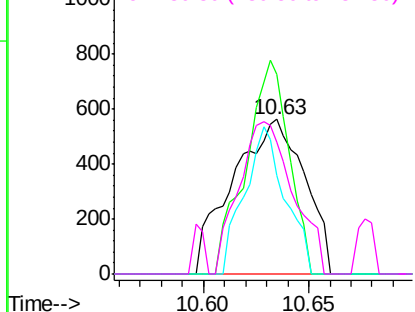
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

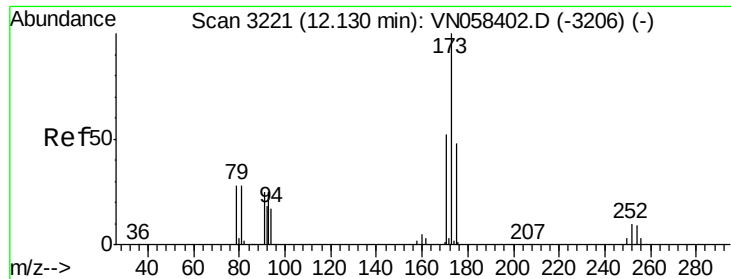


#64
Tetrachloroethene
Concen: 0.330 ug/l
RT: 10.63 min Scan# 2756
Delta R.T. 0.01 min
Lab File: VN058546.D
Acq: 4 Oct 2019 17:15

Tgt Ion:164 Resp: 1342
Ion Ratio Lower Upper
164 100
166 129.0 101.1 151.7
129 63.7 79.2 118.8#
131 85.2 74.1 111.1

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#71

Bromoform

Concen: 0.802 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.26 min

Lab File: VN058546.D

Acq: 4 Oct 2019 17:15

Instrument :

MSVOA_N

ClientSampled :

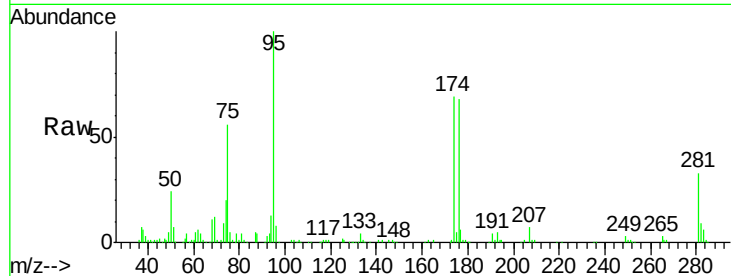
Tot Ion:173 Resp: 322

Ion Ratio Lower Upper

173 100

175 0.0 24.3 73.0#

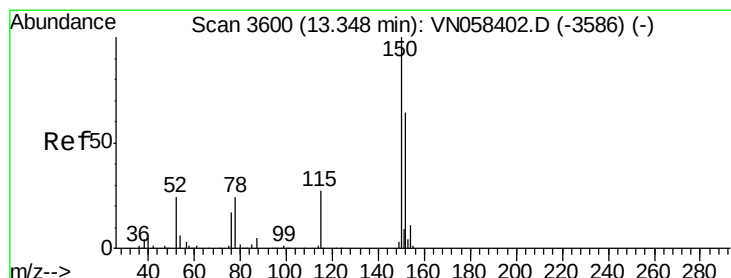
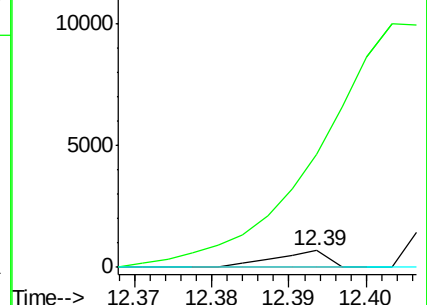
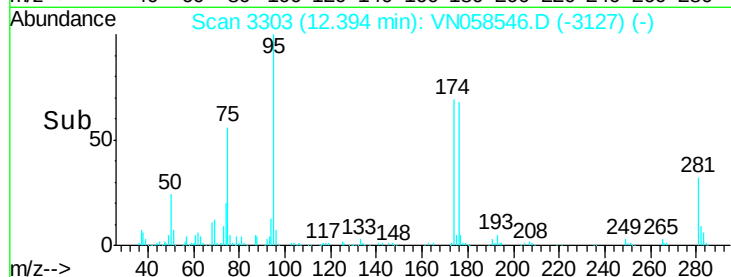
254 0.0 0.1 0.1#



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# 3600

Delta R.T. 0.00 min

Lab File: VN058546.D

Acq: 4 Oct 2019 17:15

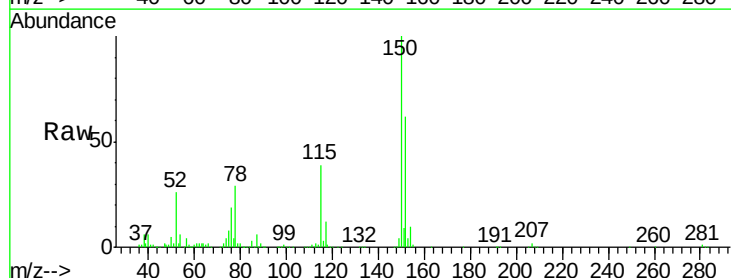
Tgt Ion:152 Resp: 226801

Ion Ratio Lower Upper

152 100

115 61.9 30.0 90.0

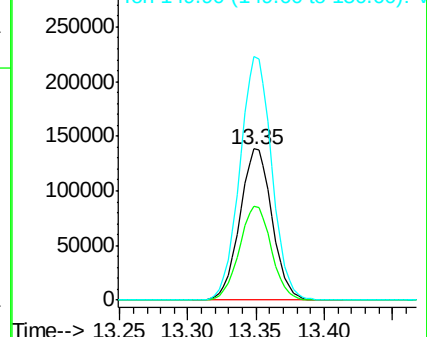
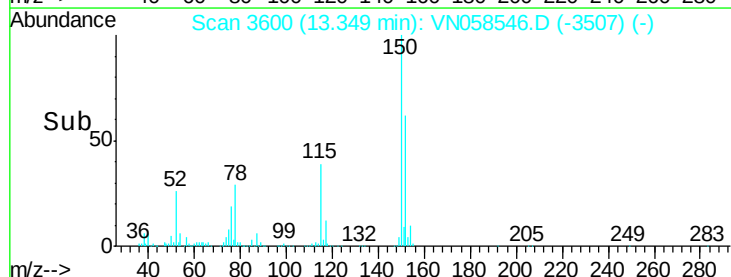
150 159.9 0.0 348.2

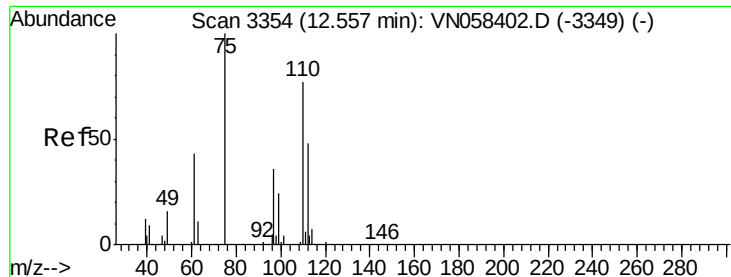


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 37.698 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN058546.D

Acq: 4 Oct 2019 17:15

Instrument :

MSVOA_N

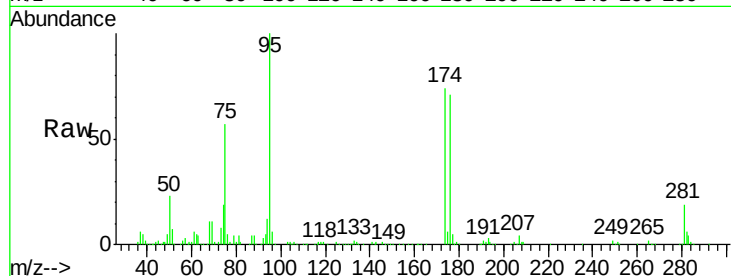
ClientSampled :

Tot Ion: 75 Resp: 156165

Ion Ratio Lower Upper

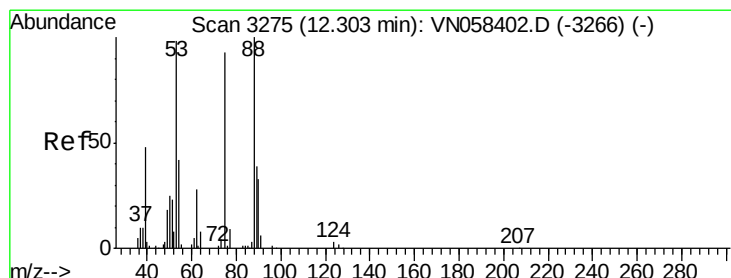
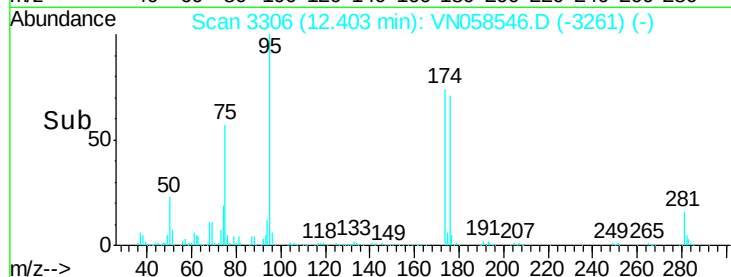
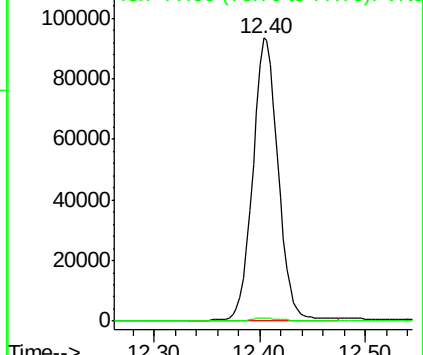
75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 114.493 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN058546.D

Acq: 4 Oct 2019 17:15

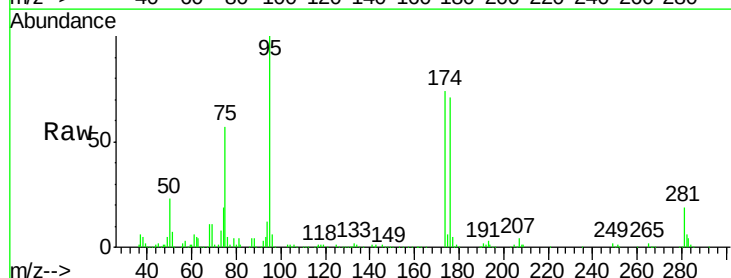
Tgt Ion: 75 Resp: 156165

Ion Ratio Lower Upper

75 100

53 0.0 85.4 128.0#

89 0.3 35.0 52.4#



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

