

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100419\
 Data File : VN058533.D
 Acq On : 4 Oct 2019 12:31
 Operator : JC/SP
 Sample : K5197-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 04 23:36:07 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	428981	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	687572	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	602503	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	254437	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	302684	48.28	ug/l	0.00
Spiked Amount						
			Recovery	=	96.56%	
35) Dibromofluoromethane	7.57	113	210417	49.93	ug/l	0.00
Spiked Amount						
			Recovery	=	99.86%	
50) Toluene-d8	10.08	98	863651	52.32	ug/l	0.00
Spiked Amount						
			Recovery	=	104.64%	
62) 4-Bromofluorobenzene	12.41	95	284355	47.64	ug/l	0.00
Spiked Amount						
			Recovery	=	95.28%	

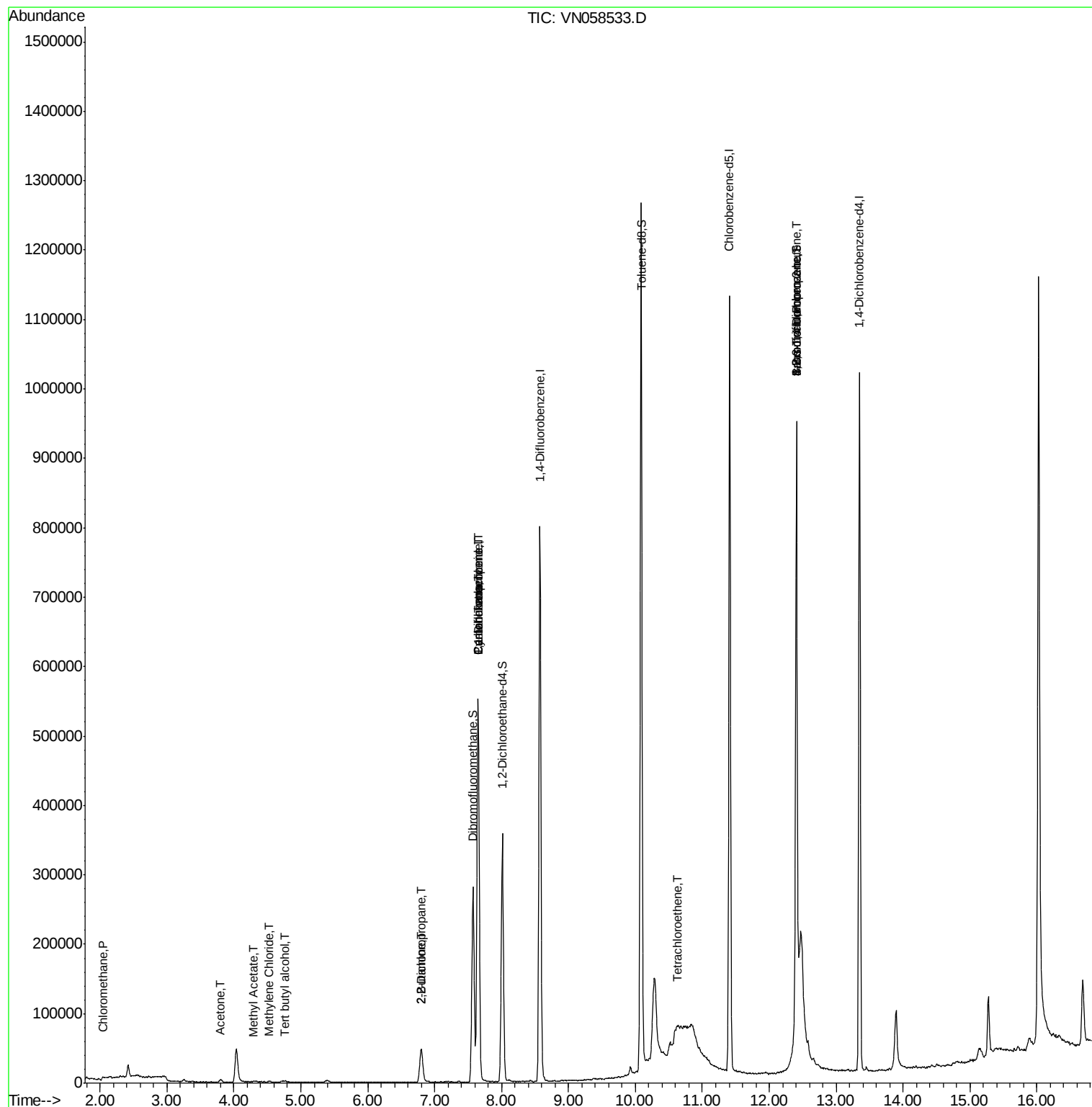
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1665	0.322	ug/l #	85
11) Tert butyl alcohol	4.75	59	3847	5.524	ug/l #	77
16) Acetone	3.80	43	7620	3.566	ug/l #	84
18) Methyl Acetate	4.30	43	1296	0.241	ug/l #	63
20) Methylene Chloride	4.53	84	1005	0.204	ug/l #	85
25) 2-Butanone	6.80	43	2318	0.790	ug/l #	50
26) 2,2-Dichloropropane	6.79	77	3791	0.517	ug/l #	54
31) Cyclohexane	7.65	56	10753	1.239	ug/l #	6
36) 1,1-Dichloropropene	7.65	75	37826	5.753	ug/l #	51
38) Carbon Tetrachloride	7.65	117	43244	7.287	ug/l #	15
60) Dibromochloromethane	10.62	129	662	Below Cal	#	11
64) Tetrachloroethene	10.63	164	1186	0.310	ug/l #	73
71) Bromoform	12.40	173	915	1.018	ug/l #	1
76) 1,2,3-Trichloropropane	12.41	75	160091	34.448	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	160091	104.623	ug/l #	8
96) 1,2,3-Trichlorobenzene	15.30	180	98	Below Cal	#	44

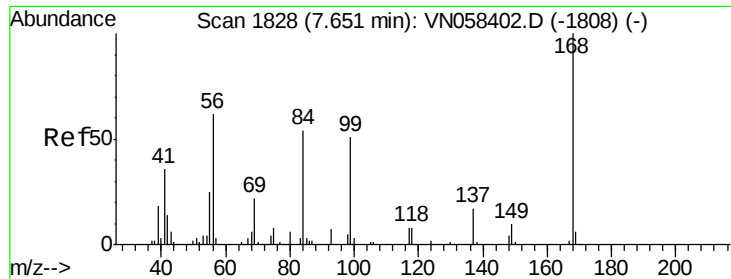
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN100419\
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QLast Update : Mon Sep 30 08:07:38 2019
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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: VN058533.D

Acq: 4 Oct 2019 12:31

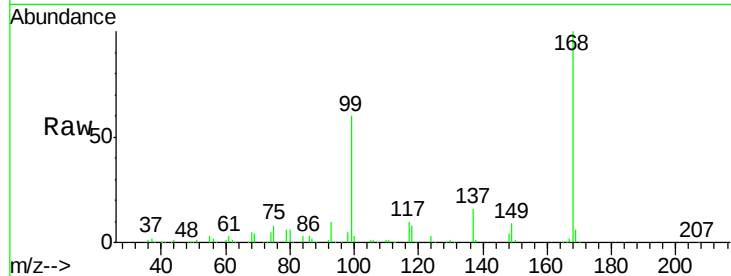
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 428981

Ion Ratio Lower Upper

168 100

99 60.0 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

200000

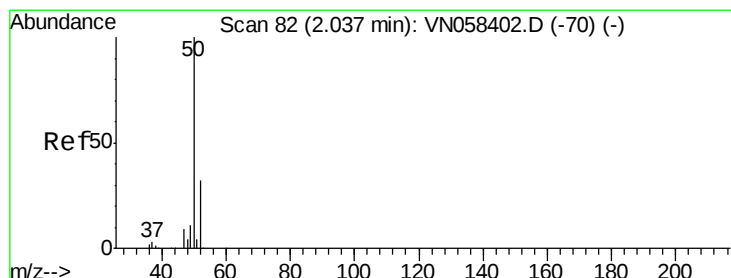
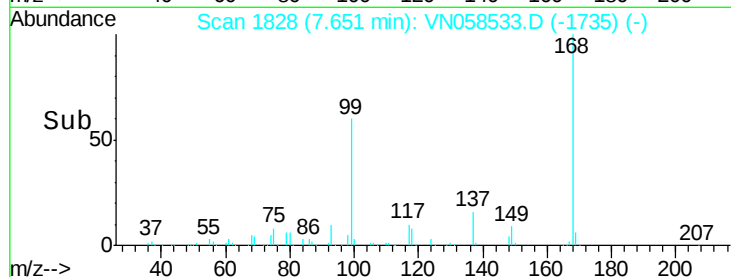
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.322 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058533.D

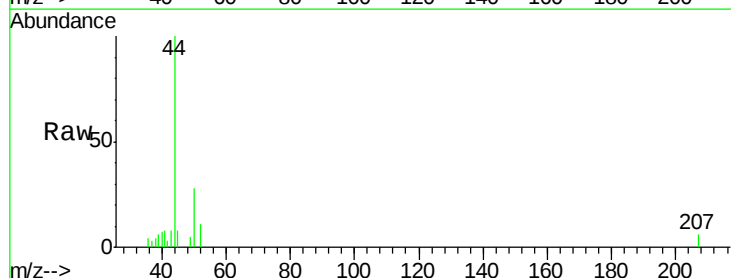
Acq: 4 Oct 2019 12:31

Tgt Ion: 50 Resp: 1665

Ion Ratio Lower Upper

50 100

52 40.9 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

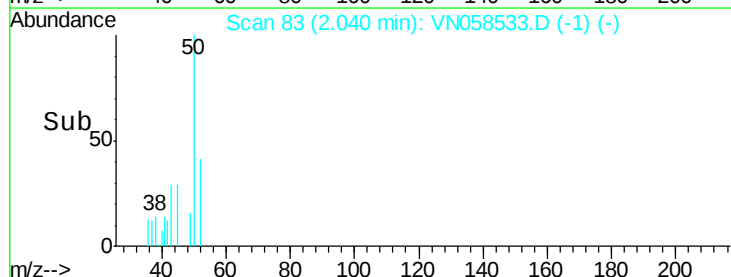
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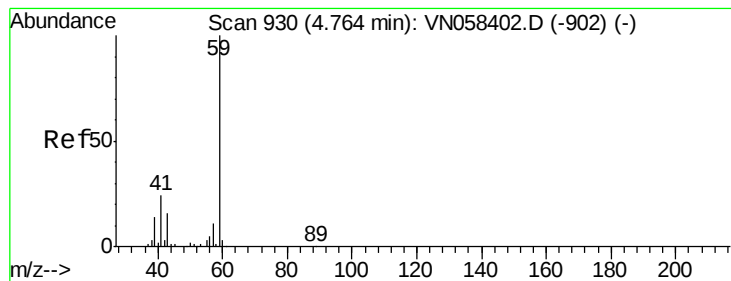
1000

500

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Time-->



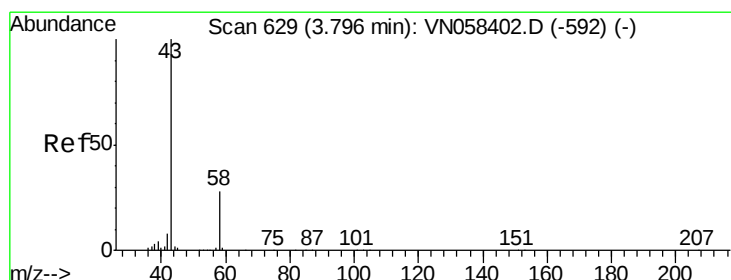
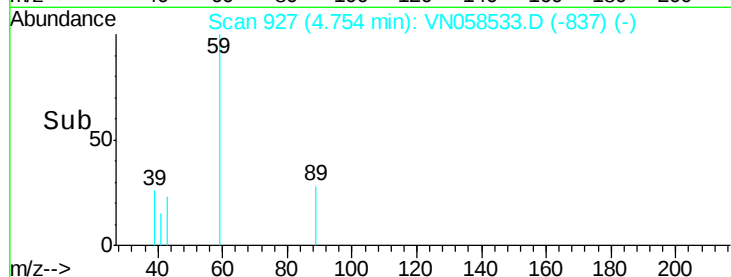
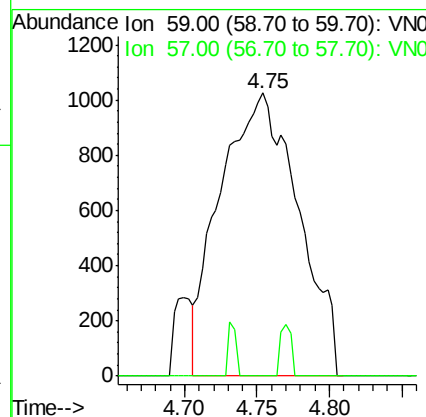
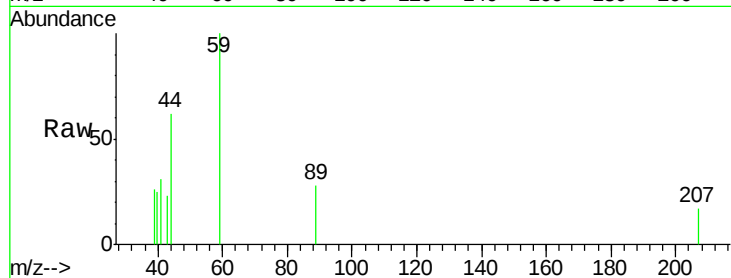


#11

Tert butyl alcohol
 Concen: 5.524 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. -0.01 min
 Lab File: VN058533.D
 Acq: 4 Oct 2019 12:31

Instrument :
 MSVOA_N
 ClientSampled :

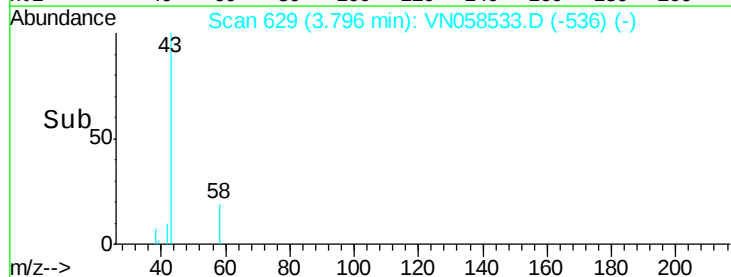
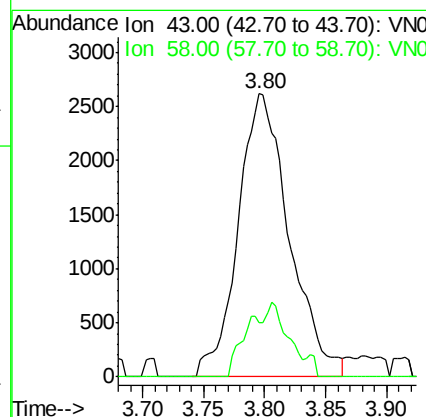
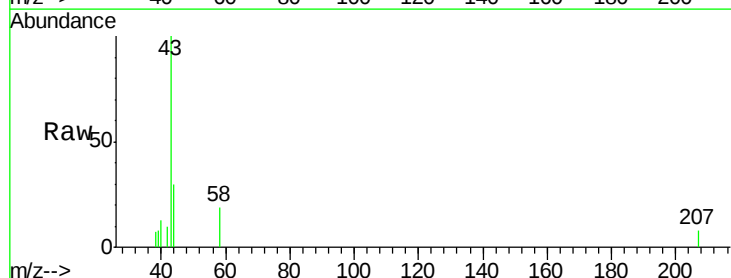
Tot Ion: 59 Resp: 3847
 Ion Ratio Lower Upper
 59 100
 57 2.5 9.0 13.4#

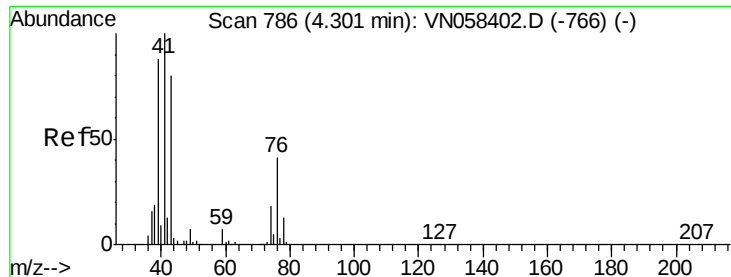


#16

Acetone
 Concen: 3.566 ug/l
 RT: 3.80 min Scan# 629
 Delta R.T. -0.00 min
 Lab File: VN058533.D
 Acq: 4 Oct 2019 12:31

Tgt Ion: 43 Resp: 7620
 Ion Ratio Lower Upper
 43 100
 58 19.4 22.4 33.6#

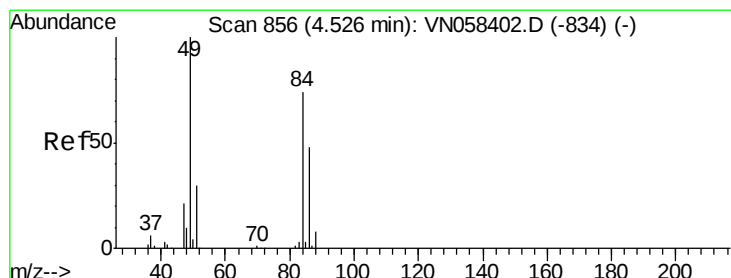
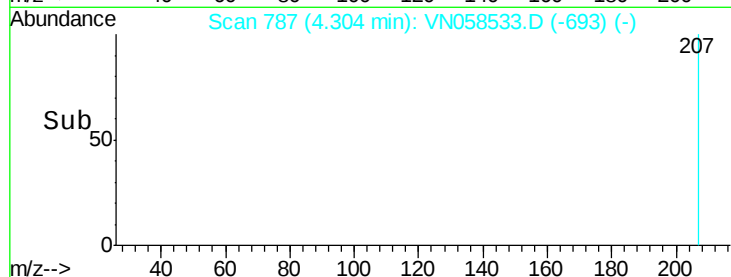
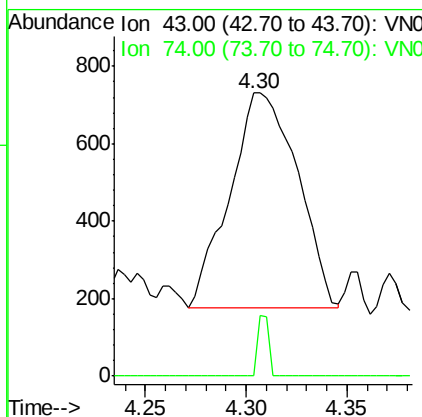
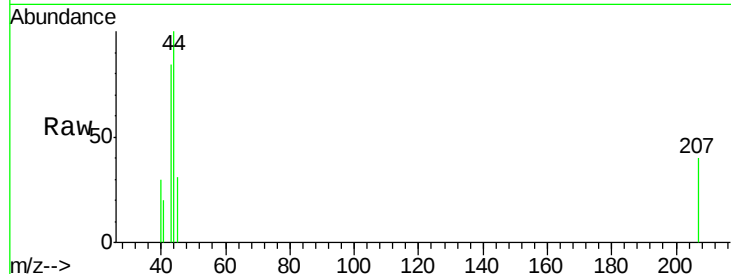




#18
Methyl Acetate
Concen: 0.241 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN058533.D
Acq: 4 Oct 2019 12:31

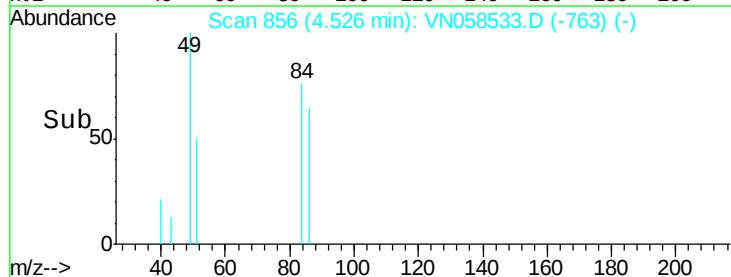
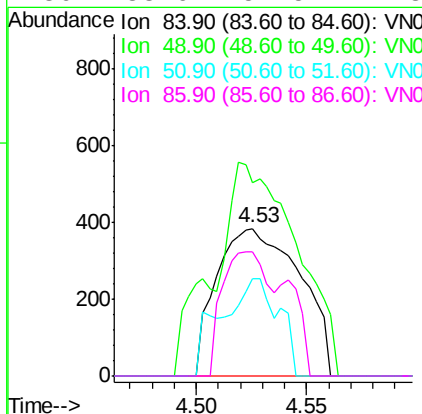
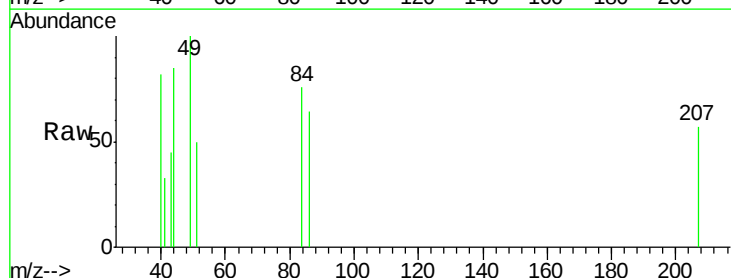
Instrument :
MSVOA_N
ClientSampleId :

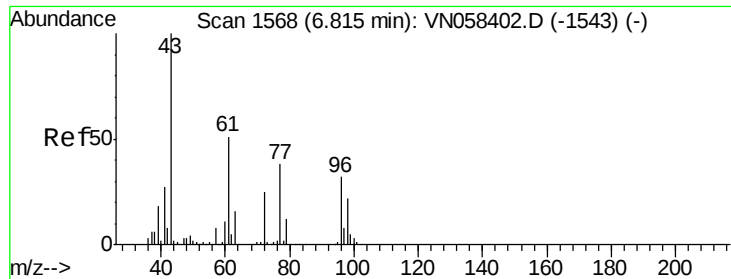
Tot Ion: 43 Resp: 1296
Ion Ratio Lower Upper
43 100
74 4.6 18.0 27.0#



#20
Methylene Chloride
Concen: 0.204 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN058533.D
Acq: 4 Oct 2019 12:31

Tgt Ion: 84 Resp: 1005
Ion Ratio Lower Upper
84 100
49 131.2 107.9 161.9
51 66.0 32.8 49.2#
86 83.6 51.5 77.3#

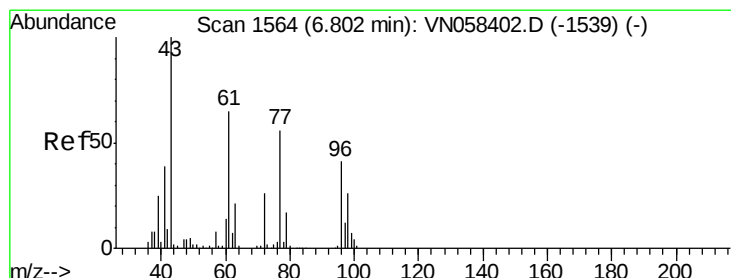
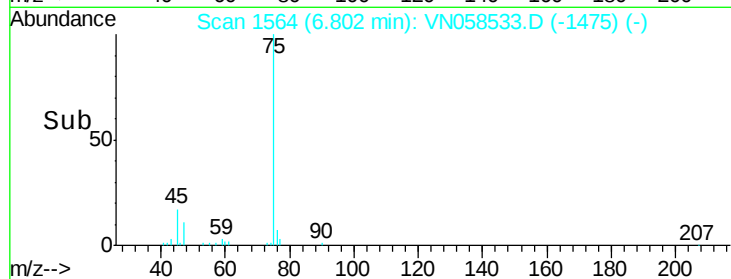
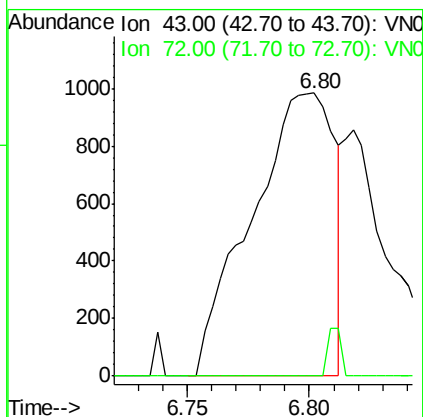
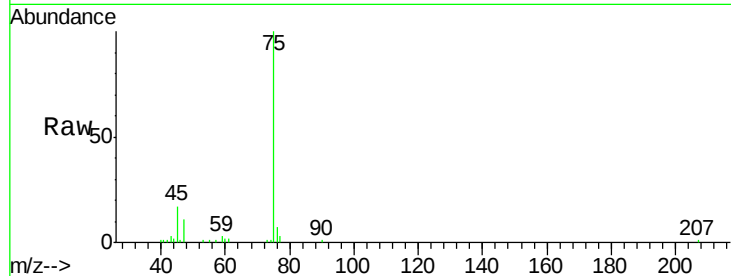




#25
 2-Butanone
 Concen: 0.790 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: VN058533.D
 Acq: 4 Oct 2019 12:31

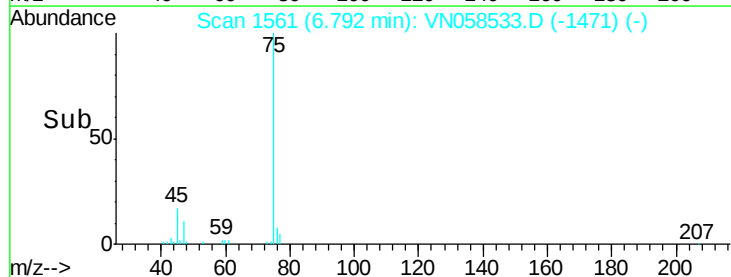
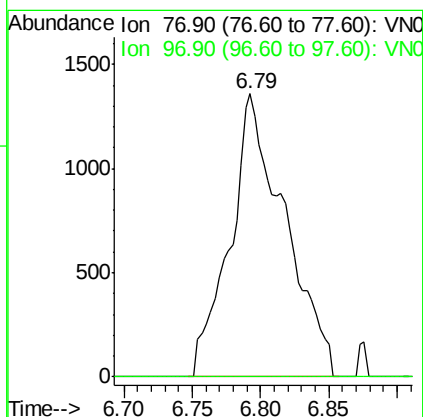
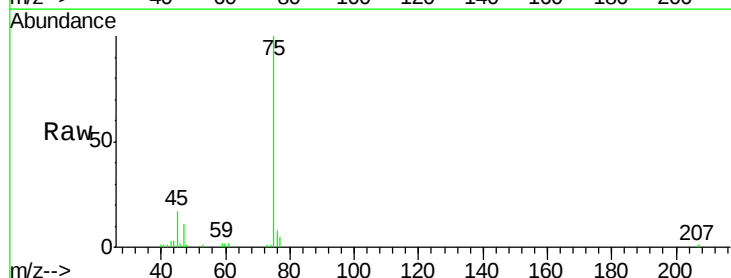
Instrument :
 MSVOA_N
 ClientSampled :

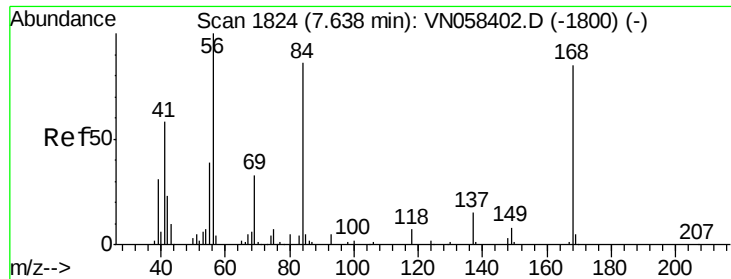
Tot Ion: 43 Resp: 2318
 Ion Ratio Lower Upper
 43 100
 72 0.0 20.2 30.4#



#26
 2,2-Dichloropropane
 Concen: 0.517 ug/l
 RT: 6.79 min Scan# 1561
 Delta R.T. -0.01 min
 Lab File: VN058533.D
 Acq: 4 Oct 2019 12:31

Tgt Ion: 77 Resp: 3791
 Ion Ratio Lower Upper
 77 100
 97 0.0 10.9 32.6#





#31

Cyclohexane

Concen: 1.239 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VN058533.D

Acq: 4 Oct 2019 12:31

Instrument :
MSVOA_N
ClientSampleId :

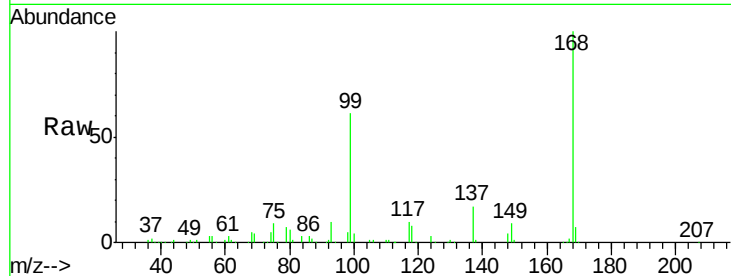
Tot Ion: 56 Resp: 10753

Ion Ratio Lower Upper

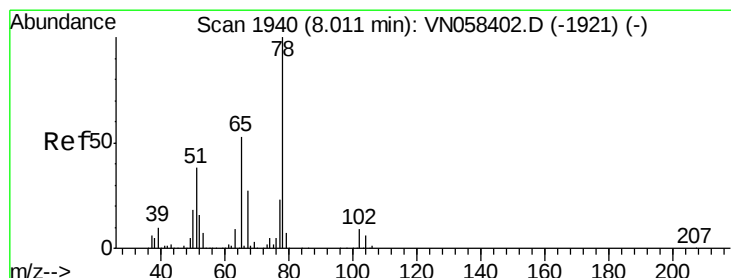
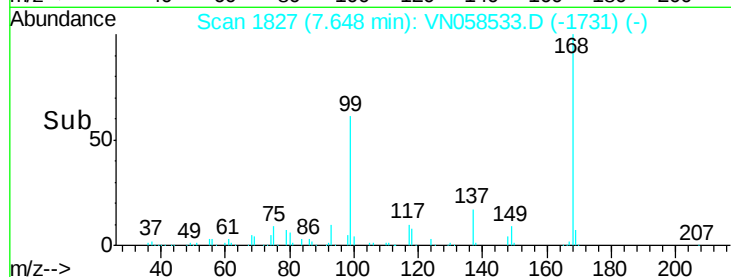
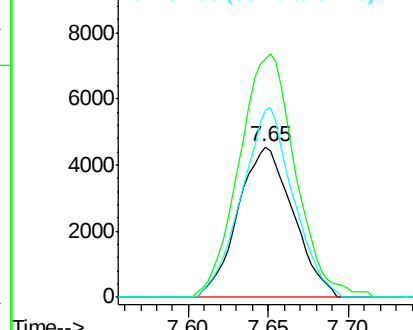
56 100

69 158.5 26.2 39.4#

84 124.9 67.6 101.4#



Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC



#33

1,2-Dichloroethane-d4

Concen: 48.284 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. -0.00 min

Lab File: VN058533.D

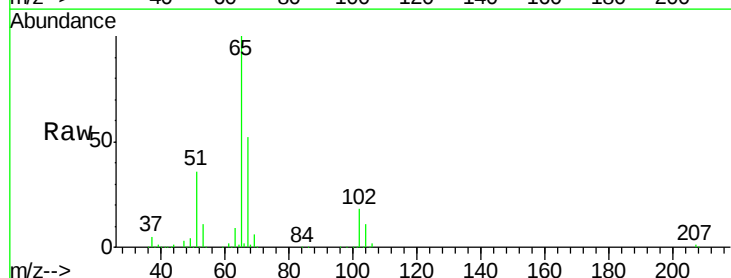
Acq: 4 Oct 2019 12:31

Tgt Ion: 65 Resp: 302684

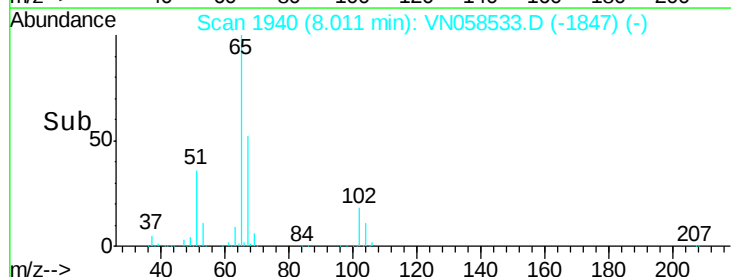
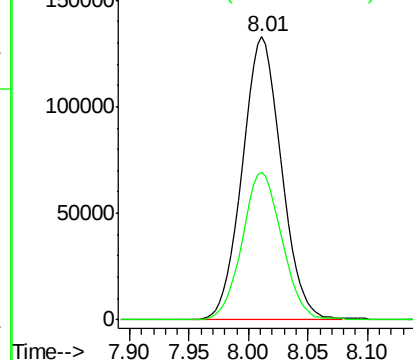
Ion Ratio Lower Upper

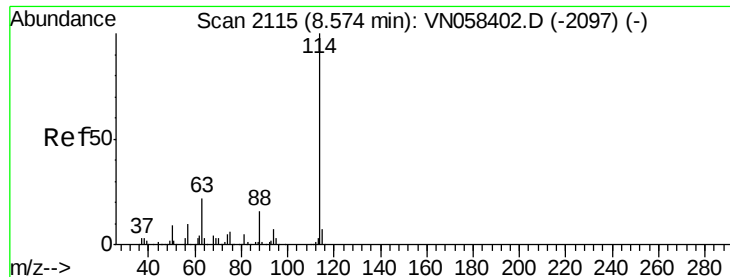
65 100

67 53.0 0.0 102.4



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

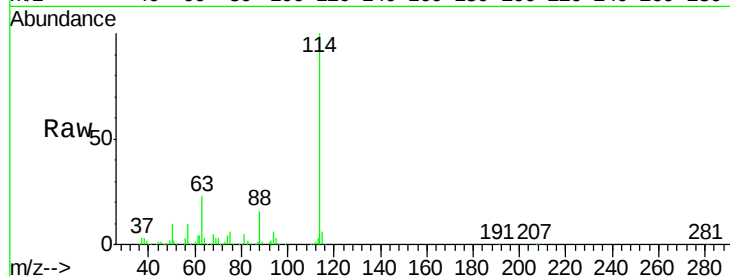




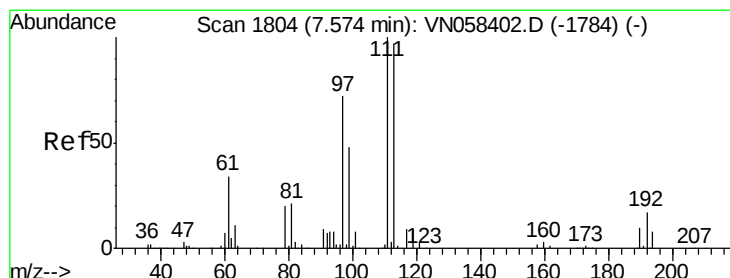
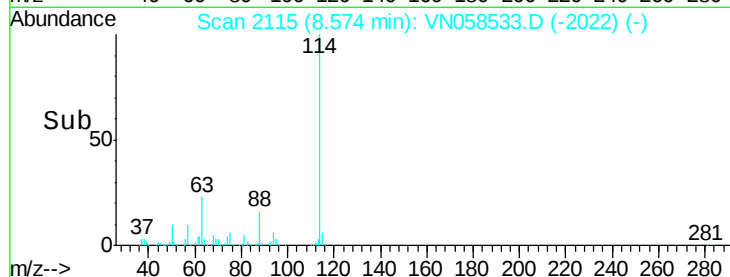
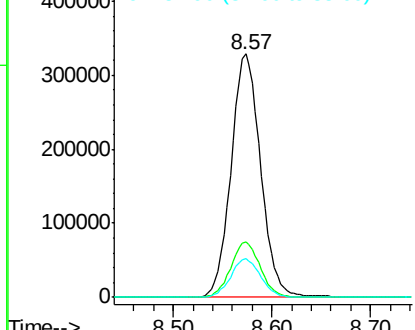
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058533.D
 Acq: 4 Oct 2019 12:31

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 687572
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 45.0
 88 15.8 0.0 32.2

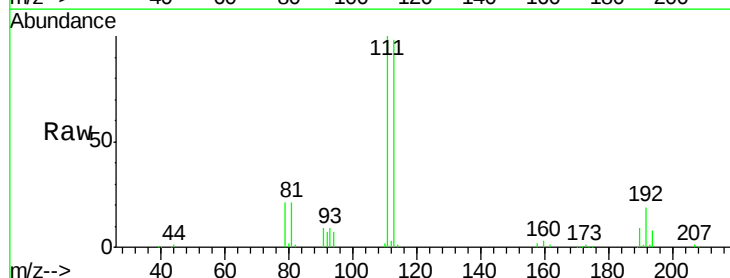


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

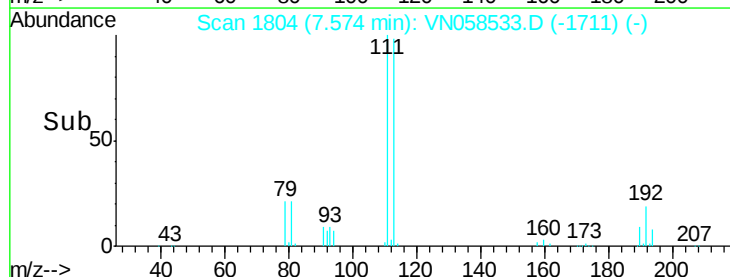
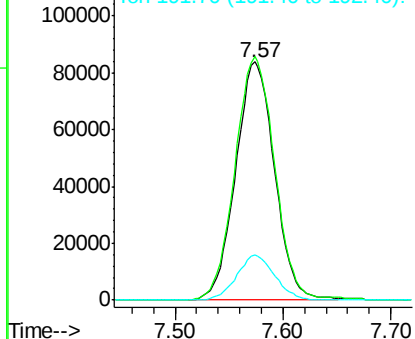


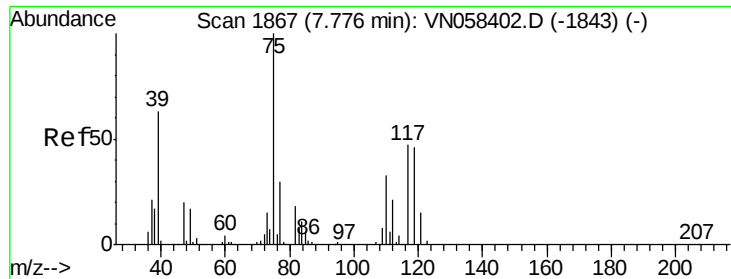
#35
 Dibromofluoromethane
 Concen: 49.932 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN058533.D
 Acq: 4 Oct 2019 12:31

Tgt Ion:113 Resp: 210417
 Ion Ratio Lower Upper
 113 100
 111 104.0 83.4 125.2
 192 18.4 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

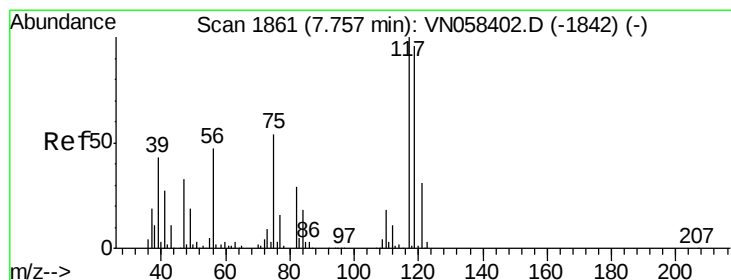
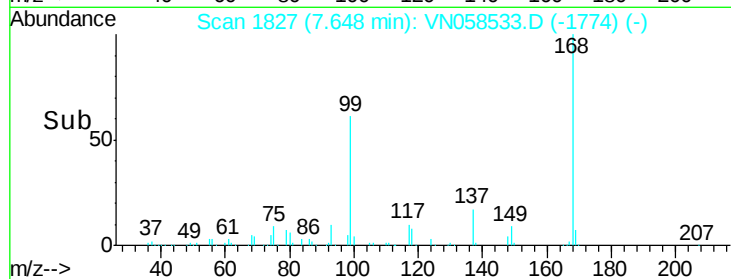
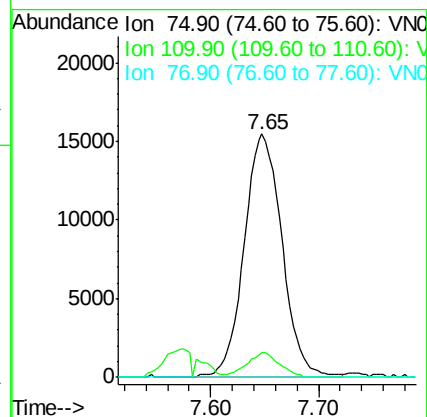
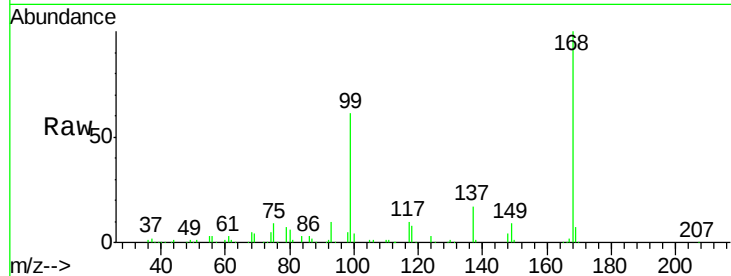




#36
 1,1-Dichloropropene
 Concen: 5.753 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN058533.D
 Acq: 4 Oct 2019 12:31

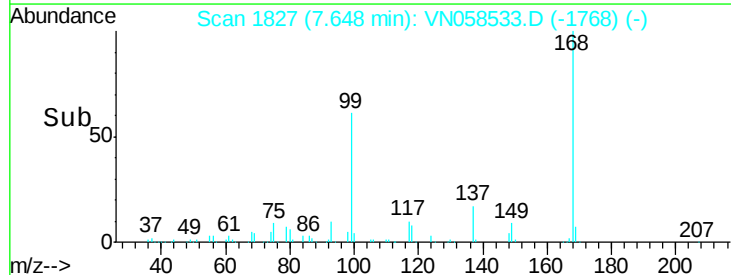
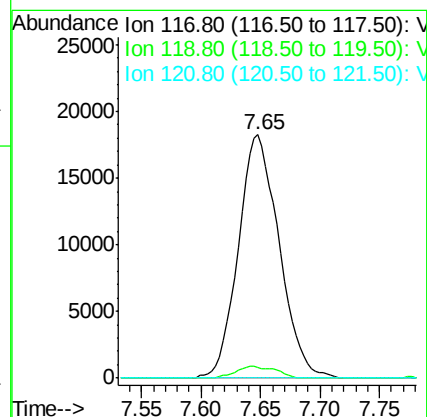
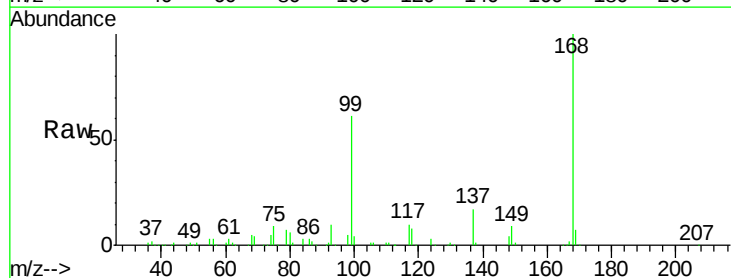
Instrument :
 MSVOA_N
 ClientSampleId :

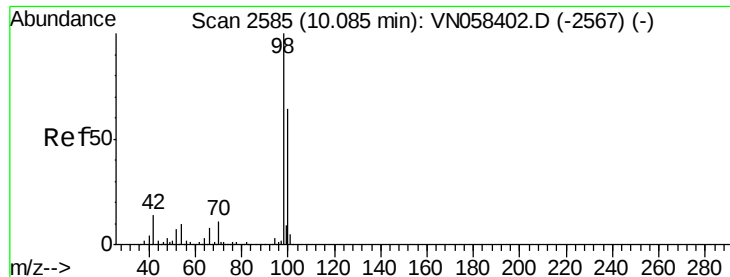
Tot Ion	75	Resp	37826
Ion Ratio	Lower	Upper	
75	100		
110	8.8	16.4	49.2#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 7.287 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.11 min
 Lab File: VN058533.D
 Acq: 4 Oct 2019 12:31

Tgt Ion	117	Resp	43244
Ion Ratio <td>Lower</td> <td>Upper</td> <td></td>	Lower	Upper	
117	100		
119	4.3	76.6	115.0#
121	0.0	24.7	37.1#





#50

Toluene-d8

Concen: 52.316 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058533.D

Acq: 4 Oct 2019 12:31

Instrument :

MSVOA_N

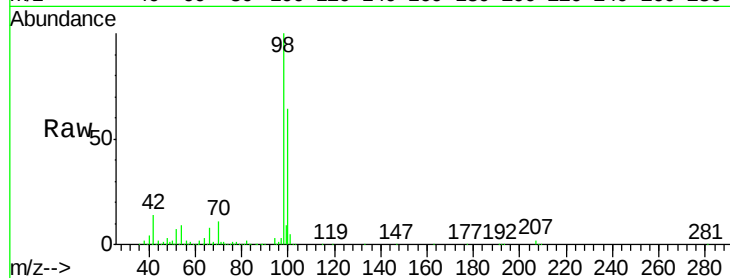
ClientSampled :

Tot Ion: 98 Resp: 863651

Ion Ratio Lower Upper

98 100

100 63.5 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.08

500000

400000

300000

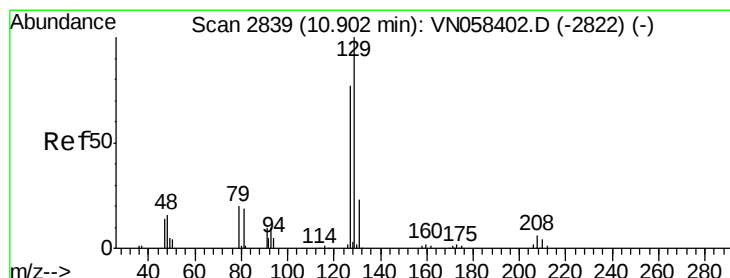
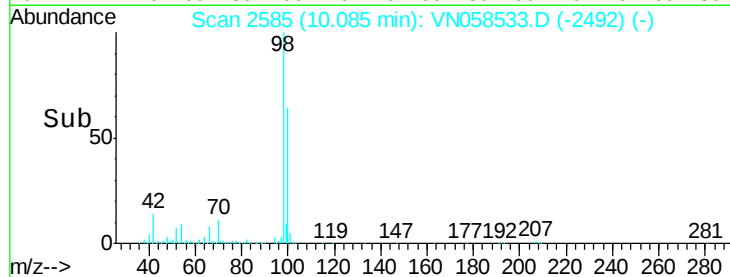
200000

100000

0

Time-->

10.00 10.10 10.20



#60

Dibromochloromethane

Concen: Below Cal

RT: 10.62 min Scan# 2752

Delta R.T. -0.28 min

Lab File: VN058533.D

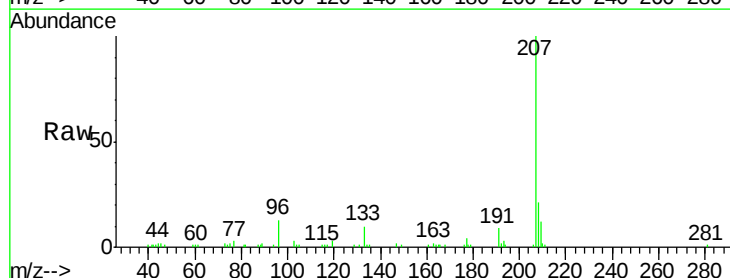
Acq: 4 Oct 2019 12:31

Tgt Ion: 129 Resp: 662

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

10.62

500

400

300

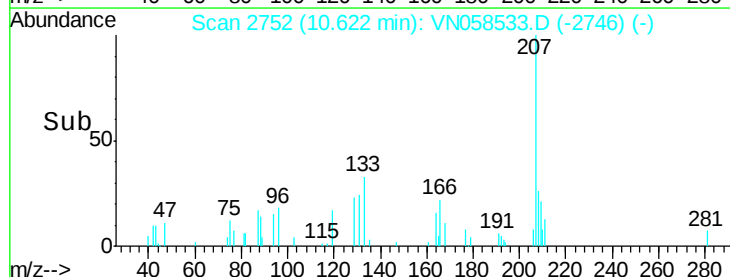
200

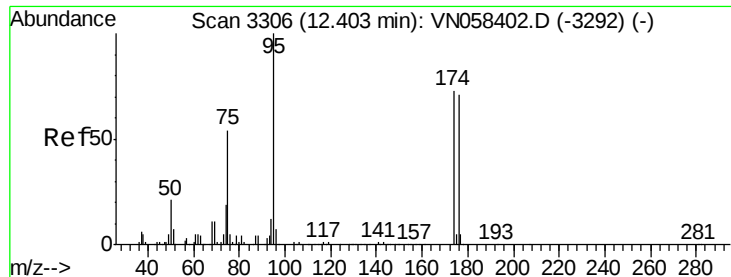
100

0

Time-->

10.60 10.65





#62

4-Bromofluorobenzene

Concen: 47.638 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058533.D

Acq: 4 Oct 2019 12:31

Instrument :

MSVOA_N

ClientSampleId :

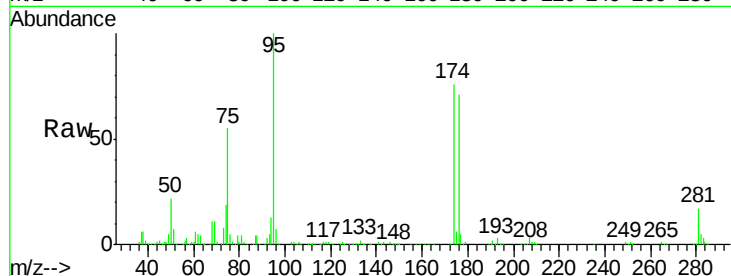
Tot Ion: 95 Resp: 284355

Ion Ratio Lower Upper

95 100

174 75.6 0.0 150.6

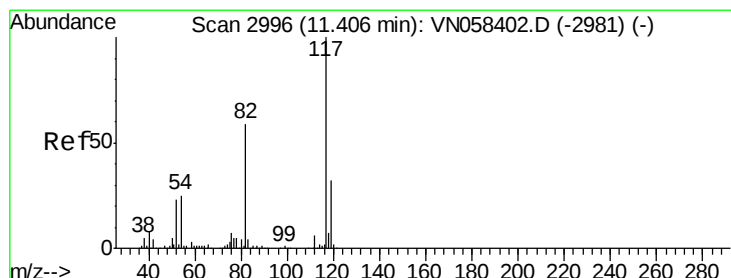
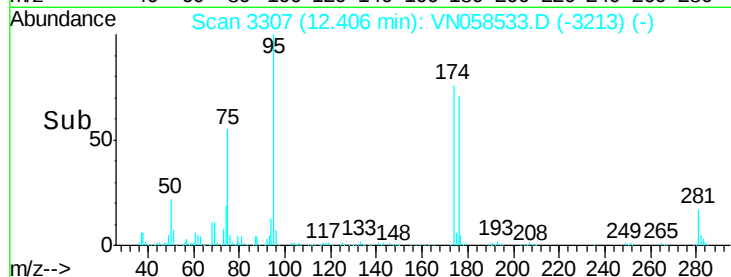
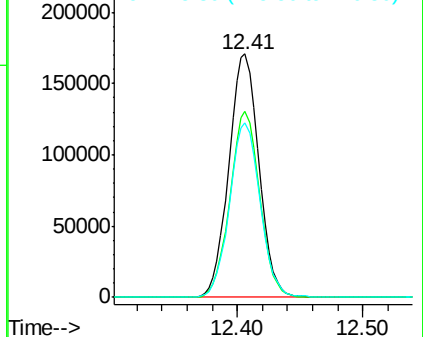
176 73.0 0.0 146.2



Abundance Ion 94.90 (94.60 to 95.60): VN058402.D (-3292) (-)

Ion 173.80 (173.50 to 174.50): VN058402.D (-3292) (-)

Ion 175.80 (175.50 to 176.50): VN058402.D (-3292) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN058533.D

Acq: 4 Oct 2019 12:31

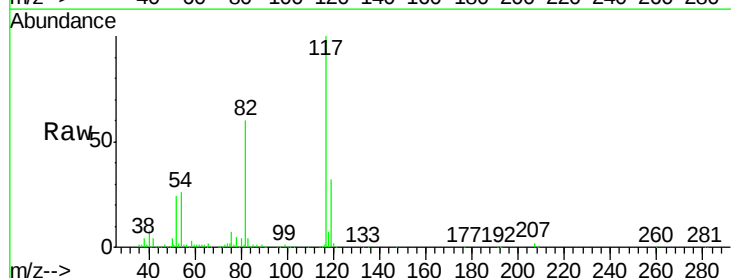
Tgt Ion: 117 Resp: 602503

Ion Ratio Lower Upper

117 100

82 60.0 47.4 71.0

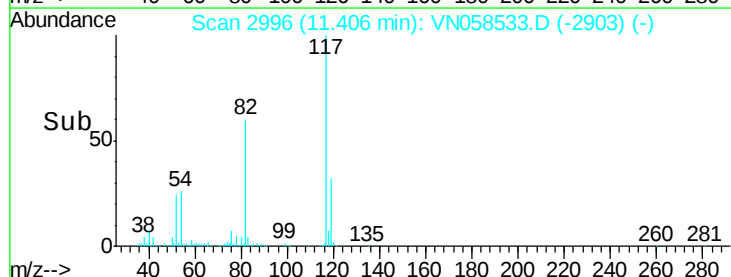
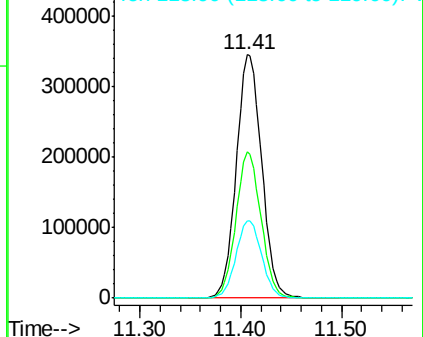
119 31.6 25.5 38.3

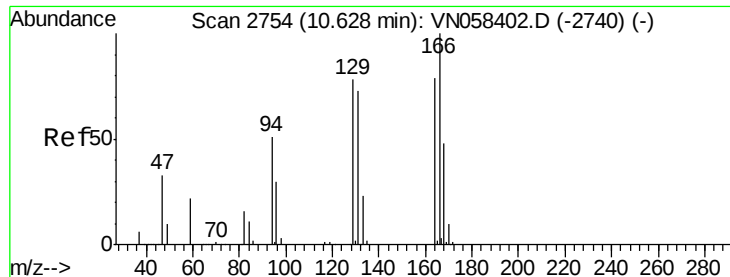


Abundance Ion 116.90 (116.60 to 117.60): VN058402.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN058402.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN058402.D (-2981) (-)

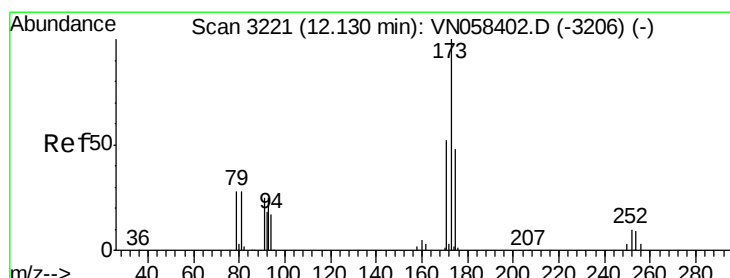
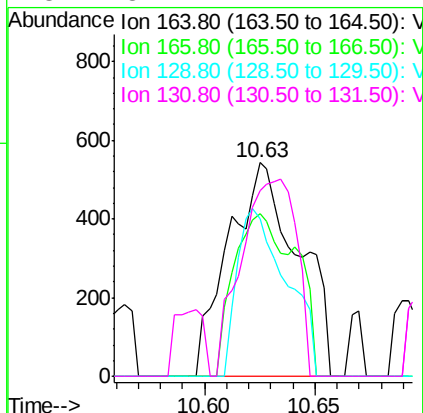
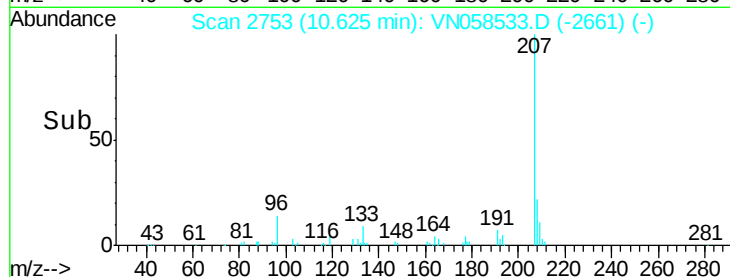
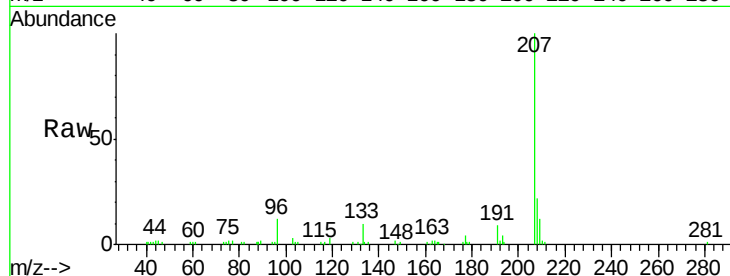




#64
Tetrachloroethene
Concen: 0.310 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN058533.D
Acq: 4 Oct 2019 12:31

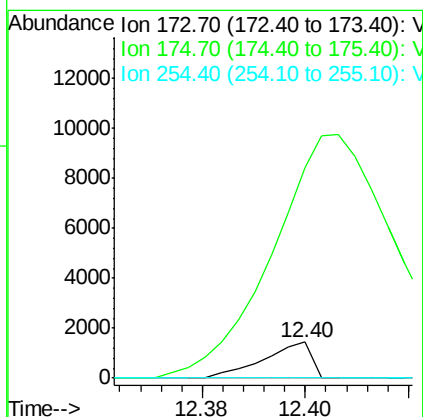
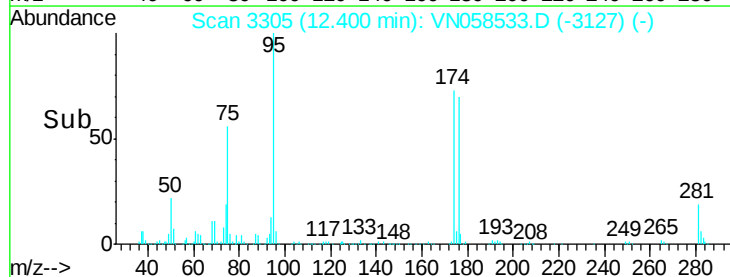
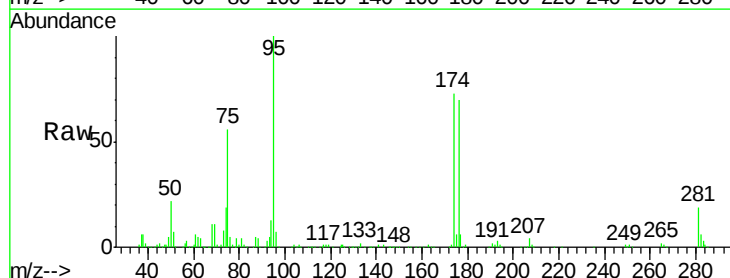
Instrument :
MSVOA_N
ClientSampleId :

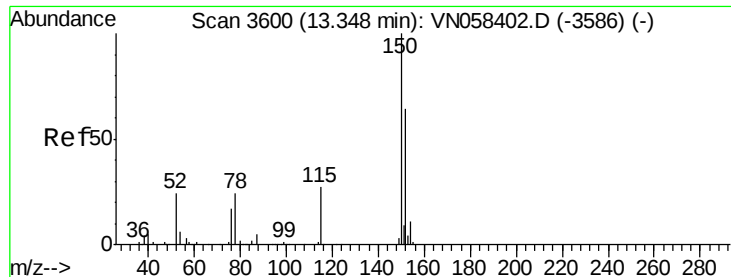
Tot Ion:164 Resp: 1186
Ion Ratio Lower Upper
164 100
166 76.2 101.1 151.7#
129 73.7 79.2 118.8#
131 87.1 74.1 111.1



#71
Bromoform
Concen: 1.018 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN058533.D
Acq: 4 Oct 2019 12:31

Tgt Ion:173 Resp: 915
Ion Ratio Lower Upper
173 100
175 1492.1 24.3 73.0#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN058533.D

Acq: 4 Oct 2019 12:31

Instrument :

MSVOA_N

ClientSampleId :

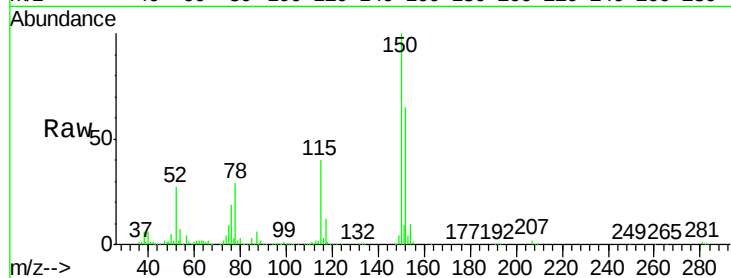
Tot Ion:152 Resp: 254437

Ion Ratio Lower Upper

152 100

115 61.3 30.0 90.0

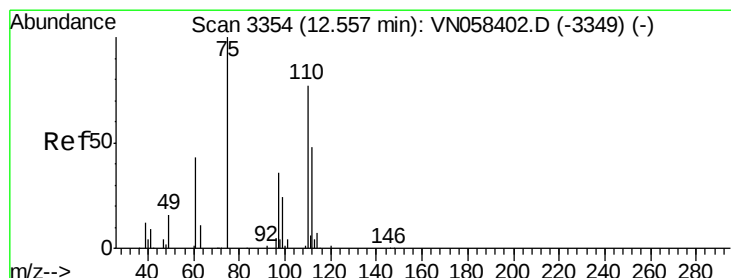
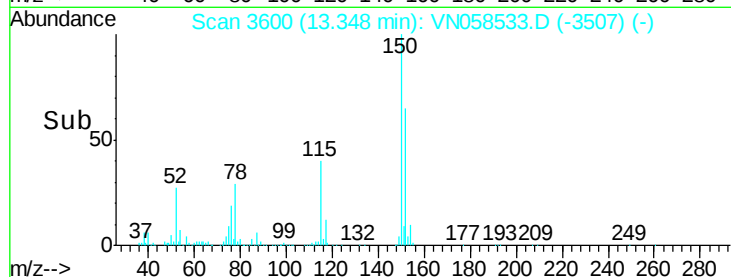
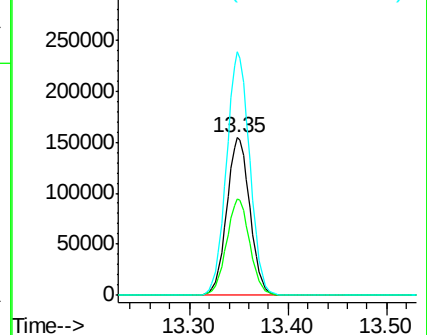
150 155.0 0.0 348.2



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: 34.448 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN058533.D

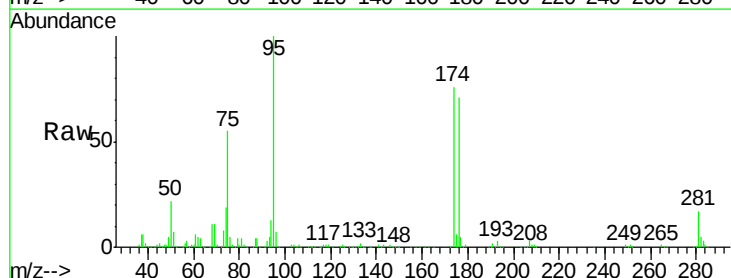
Acq: 4 Oct 2019 12:31

Tgt Ion: 75 Resp: 160091

Ion Ratio Lower Upper

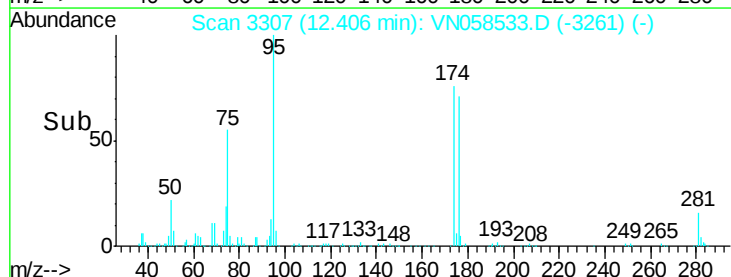
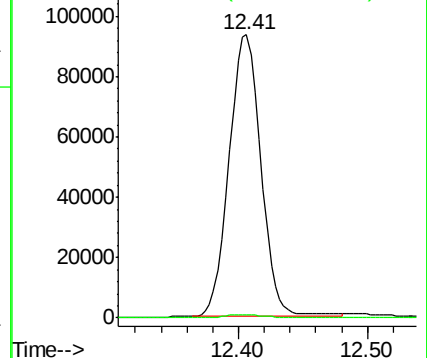
75 100

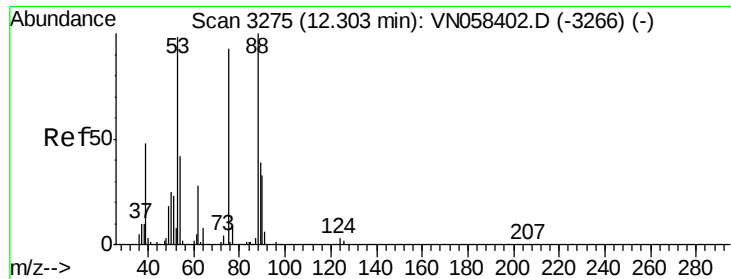
77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81
 trans-1,4-Dichloro-2-butene
 Concen: 104.623 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.10 min
 Lab File: VN058533.D
 Acq: 4 Oct 2019 12:31

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 75 Resp: 160091
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.4 128.0#
 89 0.4 35.0 52.4#

