

Data File : VV013208.D
Acq On : 18 Oct 2019 17:58
Operator : SY/MD
Sample : K5321-10
Misc : 25.00ML/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
E0AA6

Quant Time: Oct 19 04:27:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 19 04:23:16 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	435330	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	461127	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	231285	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	221619	4.95	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.00%
7) Chloroethane-d5	1.58	69	175770	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.40%
11) 1,1-Dichloroethene-d2	2.13	63	268377	3.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.60%
20) 2-Butanone-d5	3.96	46	390034	42.62	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	85.24%
24) Chloroform-d	4.40	84	427496	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.80%
26) 1,2-Dichloroethane-d4	5.08	65	206829	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.80%
32) Benzene-d6	5.09	84	883193	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.40%
36) 1,2-Dichloropropane-d6	6.11	67	269012	5.12	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.40%
41) Toluene-d8	7.36	98	727452	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.00%
43) trans-1,3-Dichloropropene-	7.66	79	87748	4.69	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.80%
46) 2-Hexanone-d5	8.13	63	358030	47.59	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.18%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	189110	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	273120	5.57	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.40%

Target Compounds

						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	3535	0.096	ug/L #	27
13) Acetone	2.23	43	9547	2.279	ug/L	82
14) Carbon disulfide	2.31	76	6973	0.070	ug/L #	63
25) Chloroform	4.42	83	38901	0.443	ug/L	95
35) Methylcyclohexane	6.12	83	63216	0.855	ug/L #	18
37) 1,2-Dichloropropane	6.12	63	28109	0.614	ug/L #	87
38) Bromodichloromethane	6.56	83	7946	0.138	ug/L	85
44) trans-1,3-Dichloropropene	7.66	75	4948	0.105	ug/L #	81
47) Tetrachloroethene	8.02	164	238186	5.656	ug/L	97
48) 2-Hexanone	8.14	43	46136	2.578	ug/L #	84
49) Dibromochloromethane	8.02	129	198585	5.279	ug/L #	12
62) 1,3-Dichlorobenzene	11.23	146	7337	0.089	ug/L	95
63) 1,4-Dichlorobenzene	11.32	146	8170	0.099	ug/L	95
65) 1,2-Dichlorobenzene	11.68	146	6138	0.078	ug/L #	81
67) 1,3,5-Trichlorobenzene	12.69	180	6850	0.113	ug/L	95
68) 1,2,4-trichlorobenzene	13.31	180	8021	0.151	ug/L	96
69) Naphthalene	13.55	128	13936	0.170	ug/L	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV101819\
Quantitation Report (Not Reviewed)

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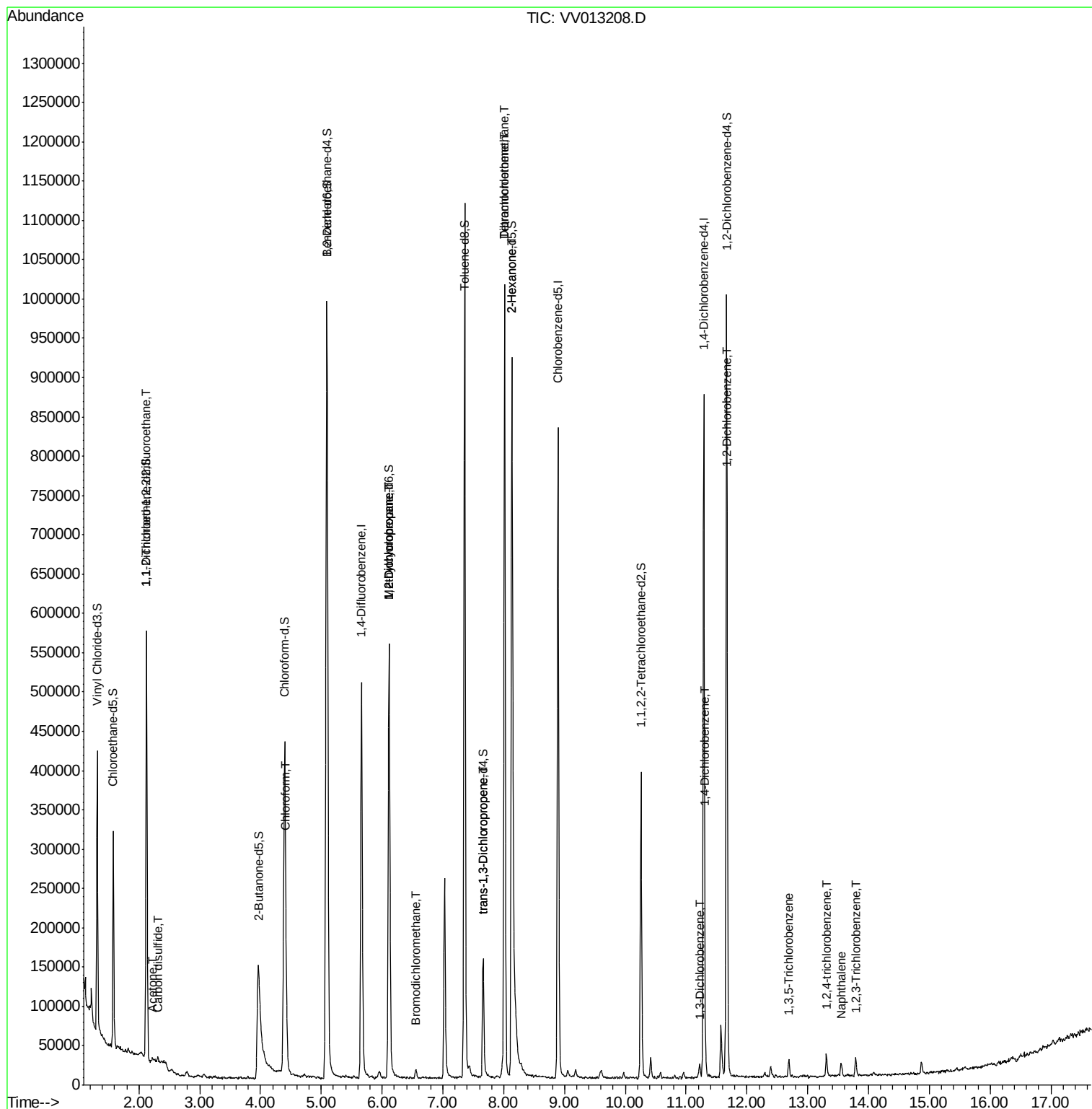
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 1,2,3-Trichlorobenzene	13.79	180	7374	0.141	ug/L	92

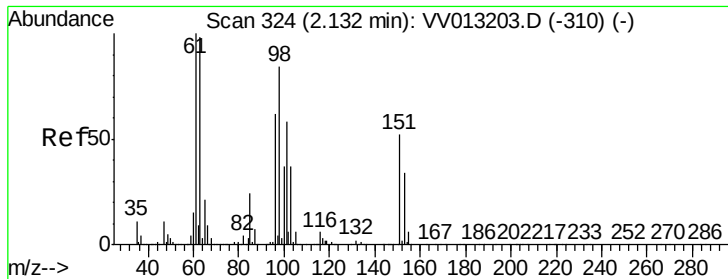
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.096 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV013208.D

Acq: 18 Oct 2019 17:58

Instrument :

MSVOA_V

ClientSampleId :

E0AA6

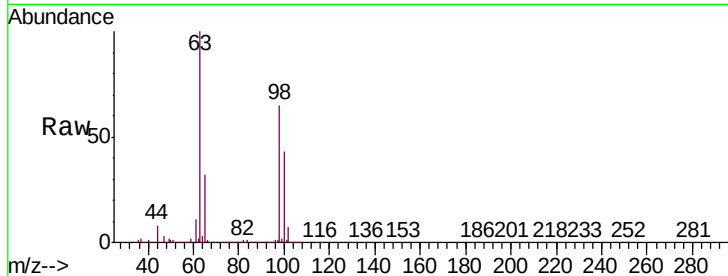
Tgt Ion:101 Resp: 3535

Ion Ratio Lower Upper

101 100

85 14.5 32.4 48.6#

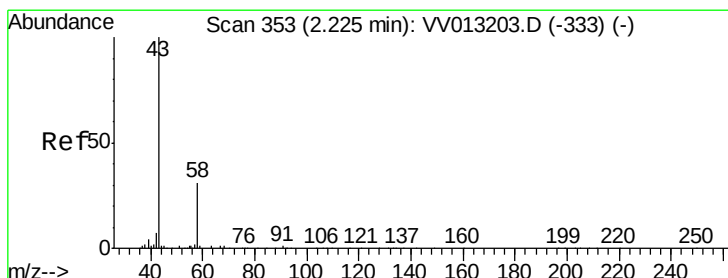
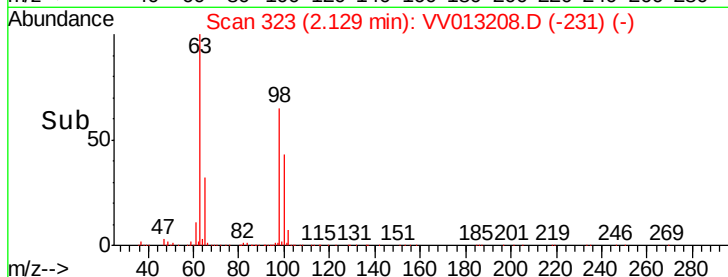
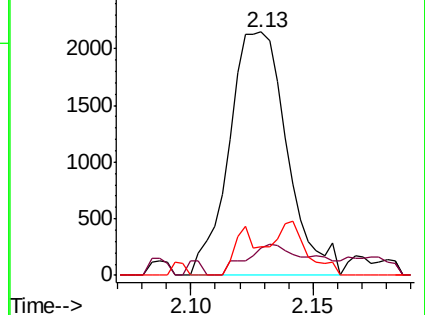
151 7.7 71.9 107.9#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#13

Acetone

Concen: 2.279 ug/L

RT: 2.23 min Scan# 353

Delta R.T. 0.00 min

Lab File: VV013208.D

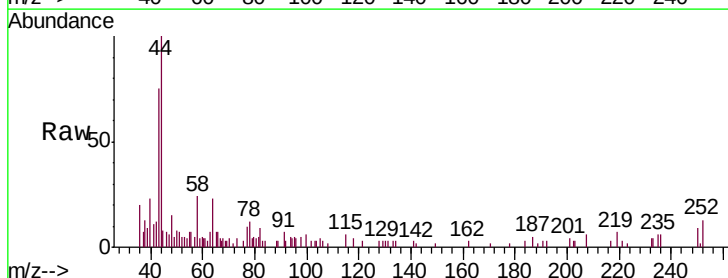
Acq: 18 Oct 2019 17:58

Tgt Ion: 43 Resp: 9547

Ion Ratio Lower Upper

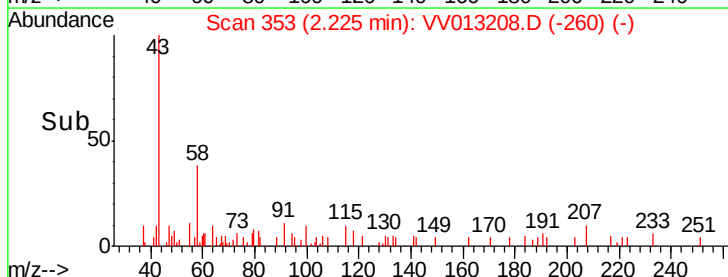
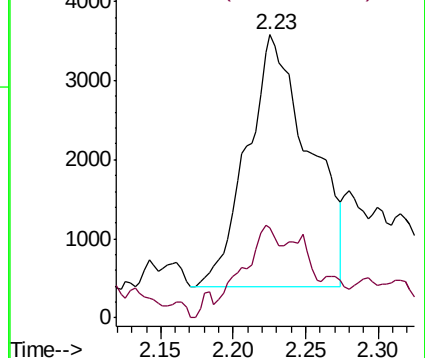
43 100

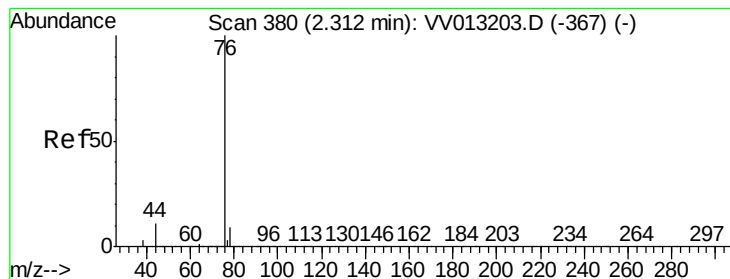
58 17.1 0.0 52.4



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0





#14

Carbon disulfide

Concen: 0.070 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV013208.D

Acq: 18 Oct 2019 17:58

Instrument :

MSVOA_V

ClientSampleId :

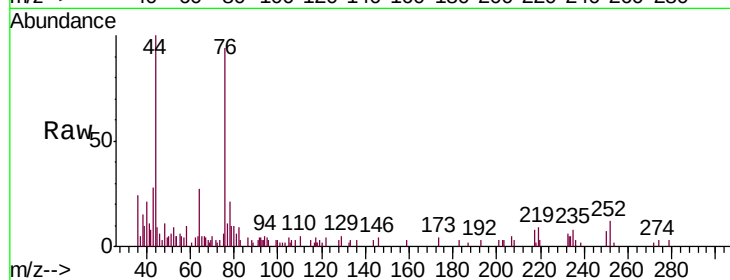
E0AA6

Tgt Ion: 76 Resp: 6973

Ion Ratio Lower Upper

76 100

78 22.3 7.1 10.7#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

5000

4000

3000

2000

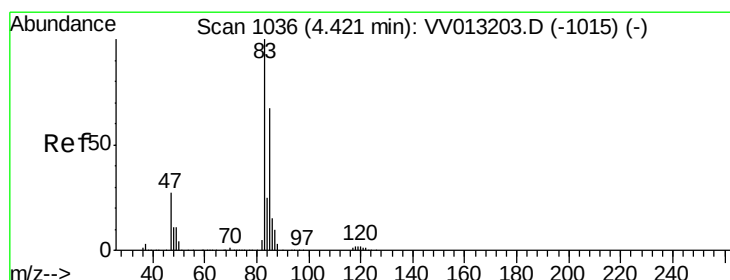
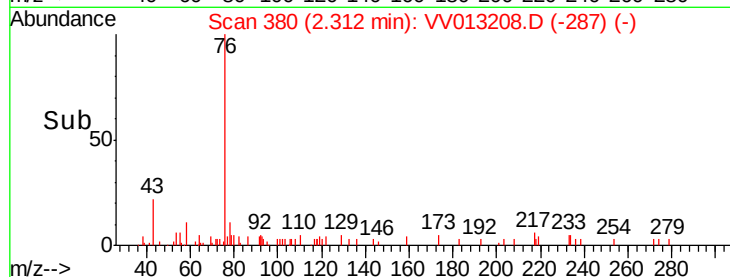
1000

0

Time-->

2.25 2.30 2.35

2.31



#25

Chloroform

Concen: 0.443 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VV013208.D

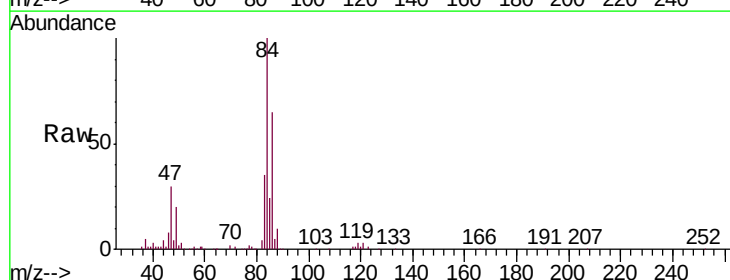
Acq: 18 Oct 2019 17:58

Tgt Ion: 83 Resp: 38901

Ion Ratio Lower Upper

83 100

85 69.1 45.5 84.5



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0

15000

10000

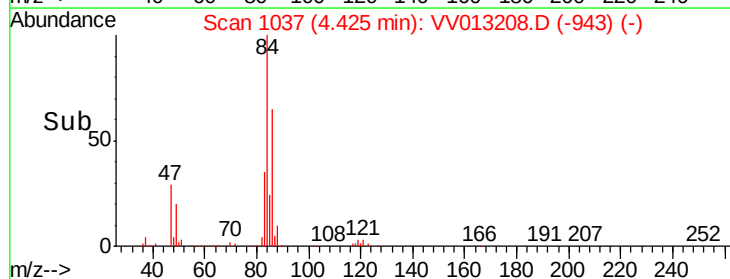
5000

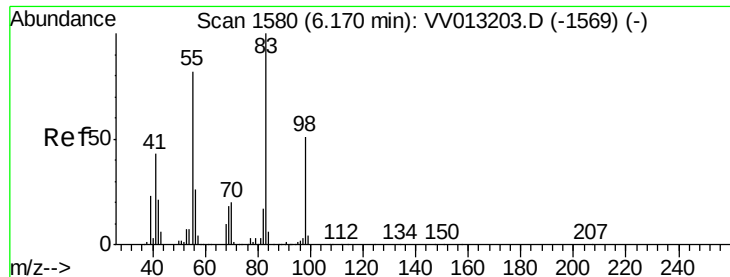
0

Time-->

4.35 4.40 4.45 4.50

4.42

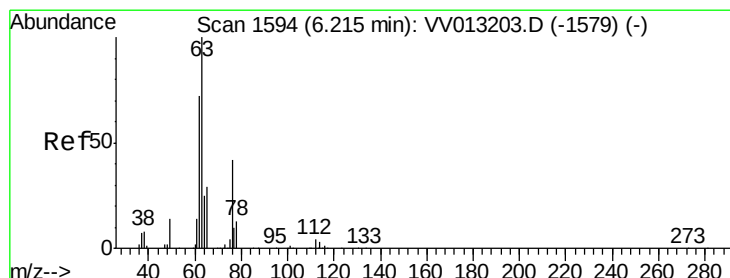
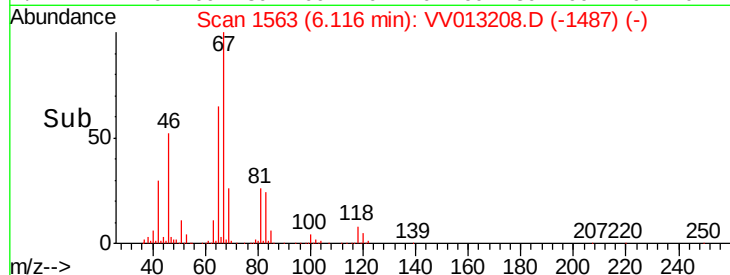
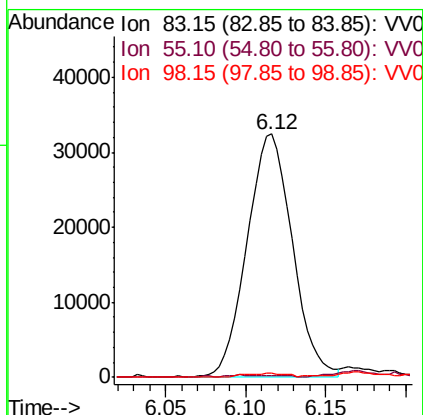
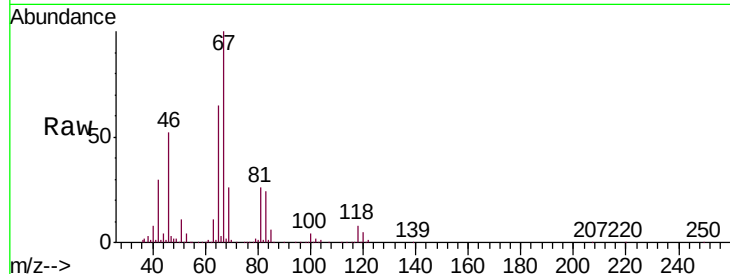




#35
Methylcyclohexane
Concen: 0.855 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.05 min
Lab File: VV013208.D
Acq: 18 Oct 2019 17:58

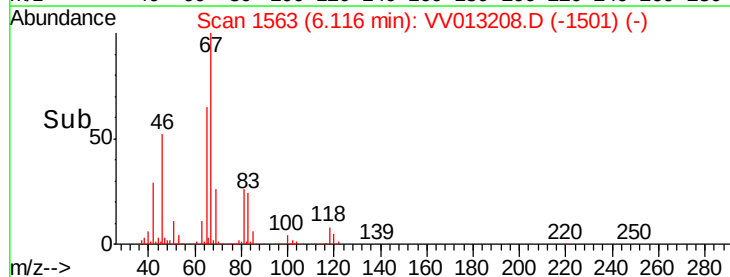
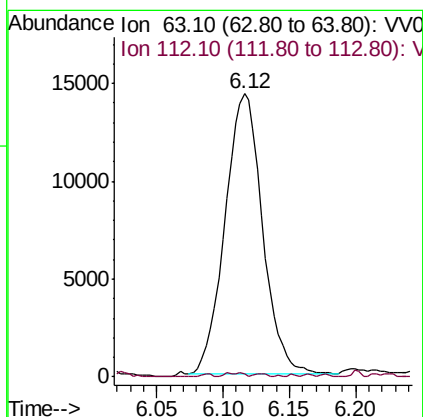
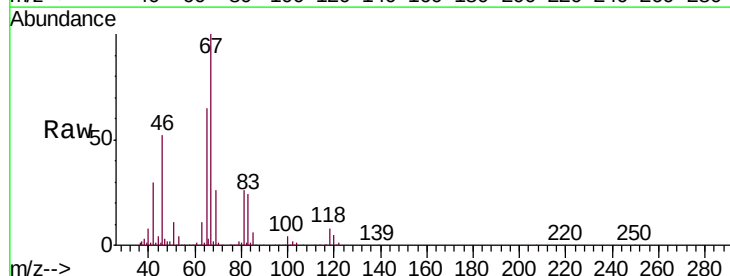
Instrument :
MSVOA_V
ClientSampleId :
E0AA6

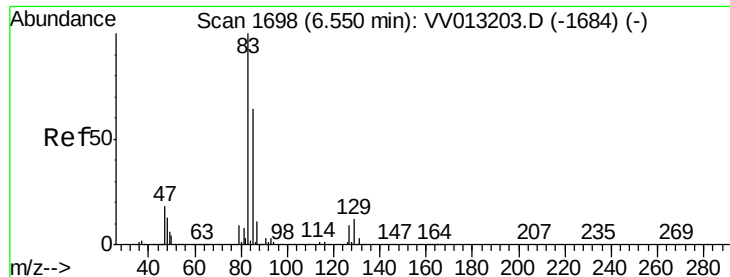
Tgt Ion: 83 Resp: 63216
Ion Ratio Lower Upper
83 100
55 0.5 64.0 96.0#
98 1.5 38.6 57.8#



#37
1,2-Dichloropropane
Concen: 0.614 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.10 min
Lab File: VV013208.D
Acq: 18 Oct 2019 17:58

Tgt Ion: 63 Resp: 28109
Ion Ratio Lower Upper
63 100
112 0.4 3.8 5.8#





#38

Bromodichloromethane

Concen: 0.138 ug/L

RT: 6.56 min Scan# 1701

Delta R.T. 0.01 min

Lab File: VV013208.D

Acq: 18 Oct 2019 17:58

Instrument :

MSVOA_V

ClientSampleId :

E0AA6

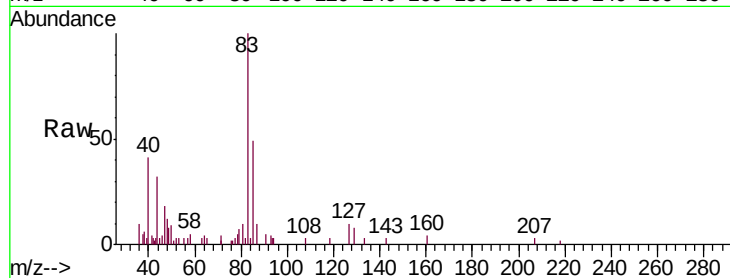
Tgt Ion: 83 Resp: 7946

Ion Ratio Lower Upper

83 100

85 49.5 44.0 81.6

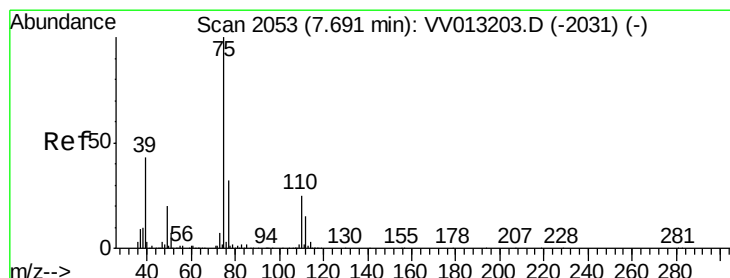
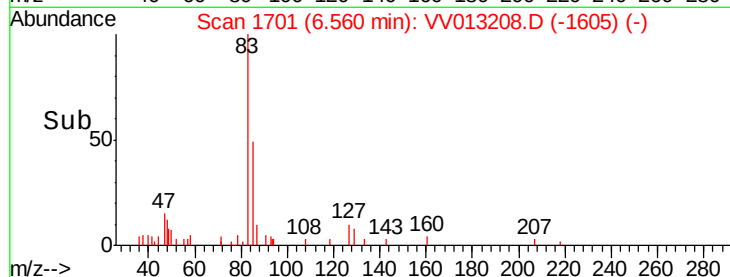
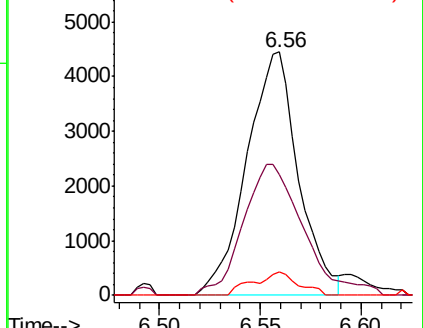
127 9.6 7.0 10.6



Abundance Ion 82.95 (82.65 to 83.65): VV013208.D (-1695) (-)

Ion 85.00 (84.70 to 85.70): VV013208.D (-1695) (-)

Ion 126.90 (126.60 to 127.60): VV013208.D (-1695) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.105 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV013208.D

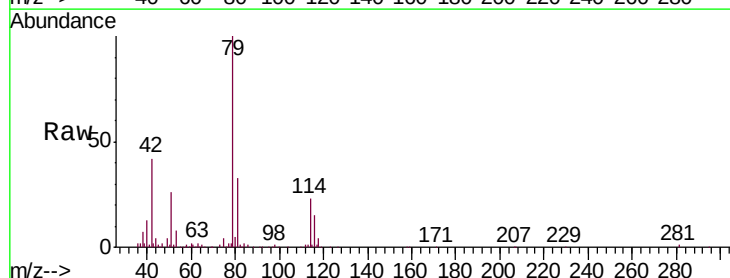
Acq: 18 Oct 2019 17:58

Tgt Ion: 75 Resp: 4948

Ion Ratio Lower Upper

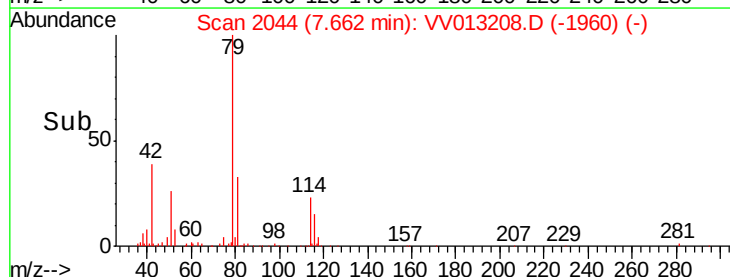
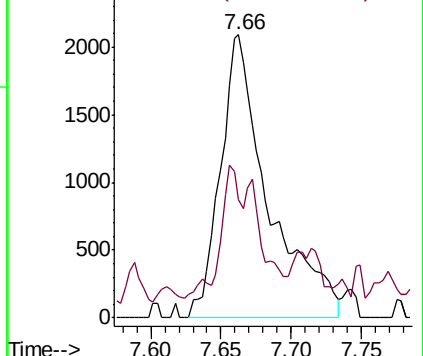
75 100

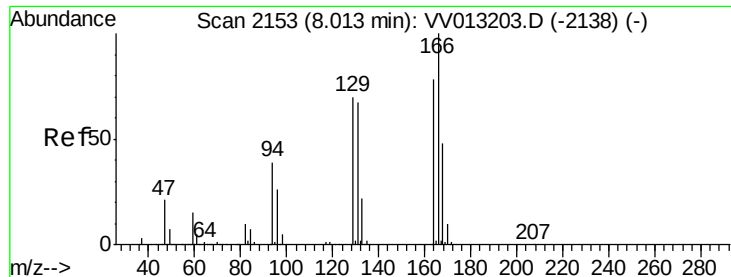
77 41.6 21.8 40.4#



Abundance Ion 75.05 (74.75 to 75.75): VV013208.D (-1960) (-)

Ion 77.05 (76.75 to 77.75): VV013208.D (-1960) (-)

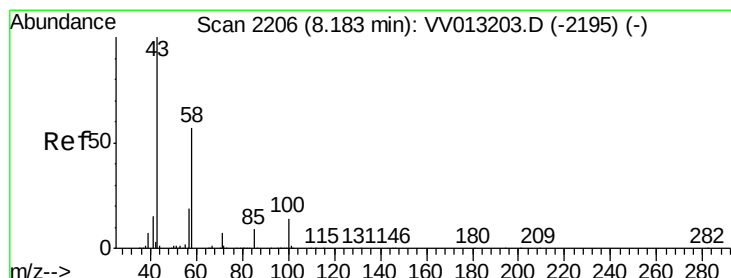
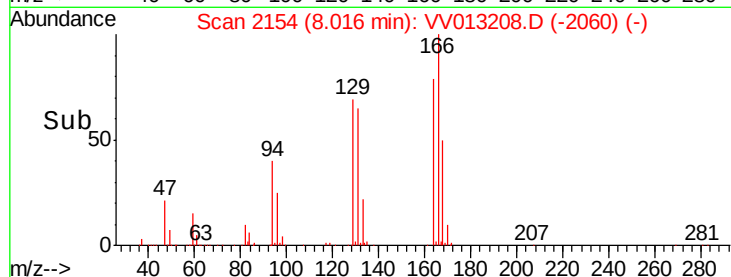
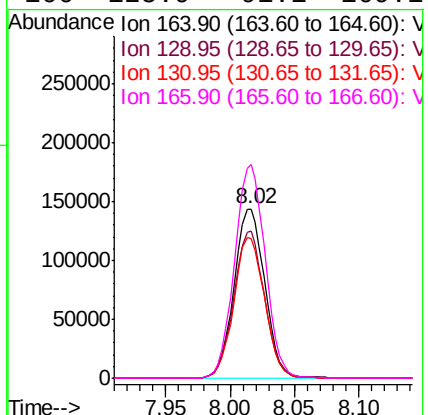
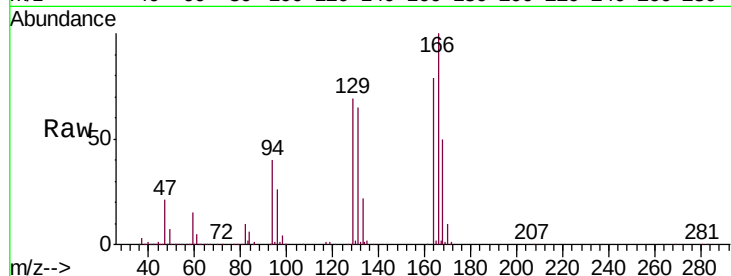




#47
Tetrachloroethene
Concen: 5.656 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV013208.D
Acq: 18 Oct 2019 17:58

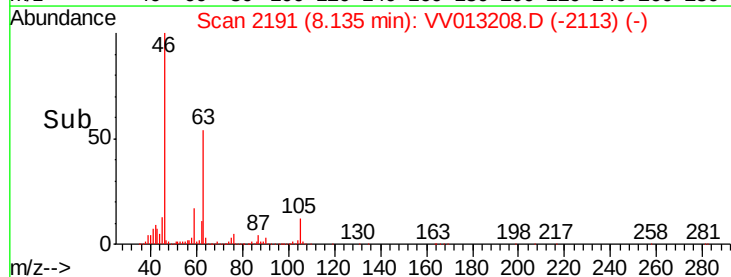
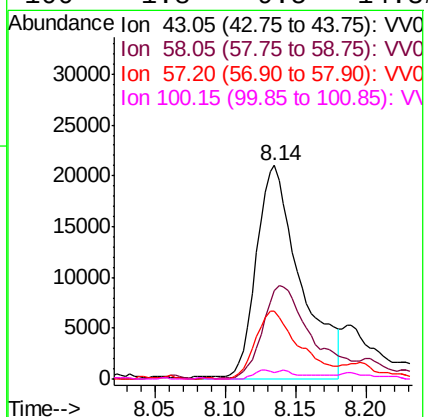
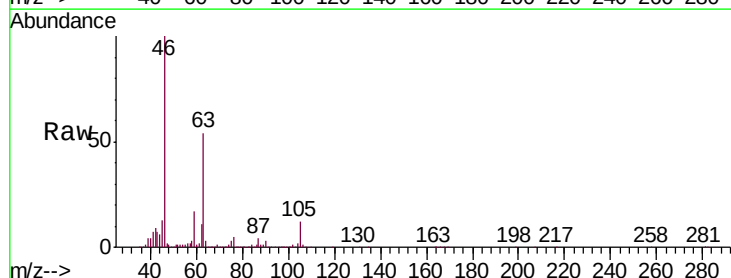
Instrument :
MSVOA_V
ClientSampleId :
E0AA6

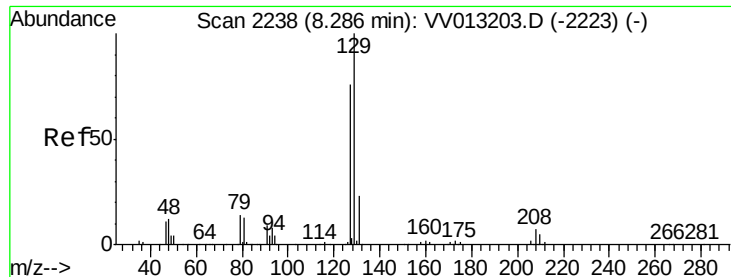
Tgt Ion	Ratio	Lower	Upper
164	100		
129	86.8	62.2	115.4
131	82.5	59.9	111.3
166	125.9	91.1	169.1



#48
2-Hexanone
Concen: 2.578 ug/L
RT: 8.14 min Scan# 2191
Delta R.T. -0.05 min
Lab File: VV013208.D
Acq: 18 Oct 2019 17:58

Tgt Ion	Ratio	Lower	Upper
43	100		
58	48.6	44.2	66.2
57	31.5	14.5	21.7#
100	1.8	9.5	14.3#





#49

Dibromochloromethane

Concen: 5.279 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.27 min

Lab File: VV013208.D

Acq: 18 Oct 2019 17:58

Instrument :

MSVOA_V

ClientSampleId :

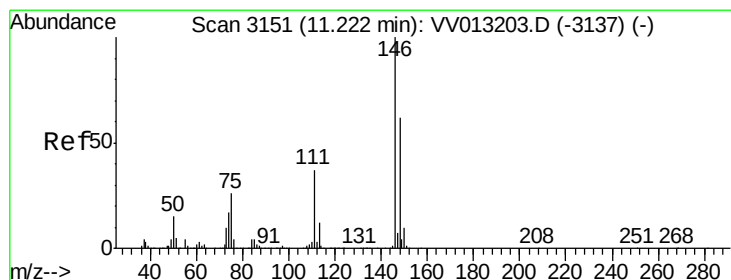
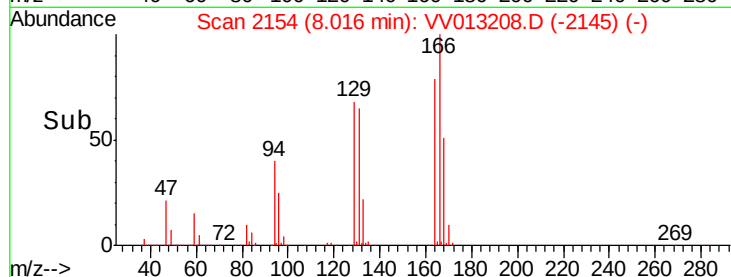
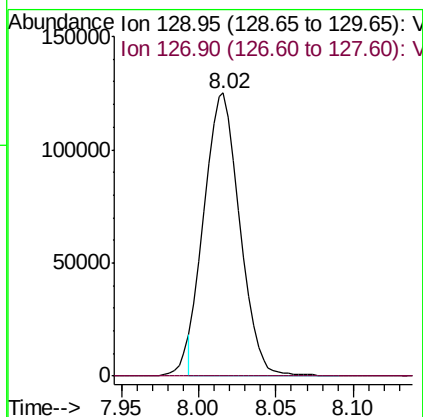
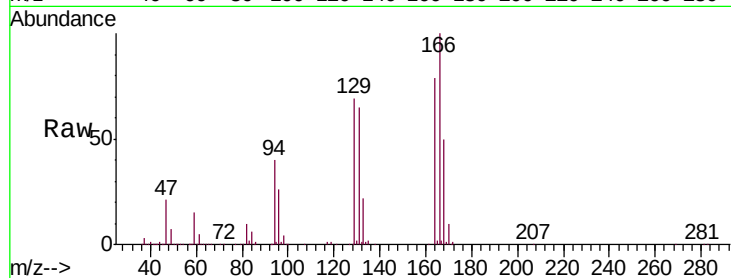
E0AA6

Tgt Ion:129 Resp: 198585

Ion Ratio Lower Upper

129 100

127 0.1 53.2 98.8#



#62

1,3-Dichlorobenzene

Concen: 0.089 ug/L

RT: 11.23 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV013208.D

Acq: 18 Oct 2019 17:58

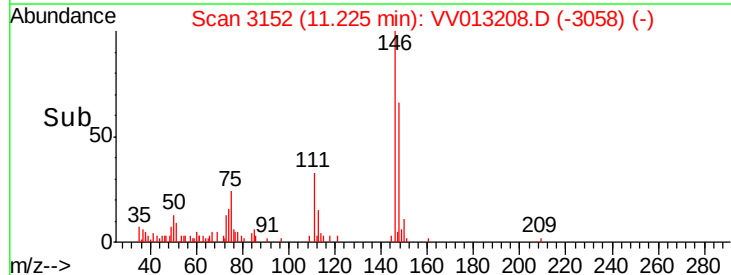
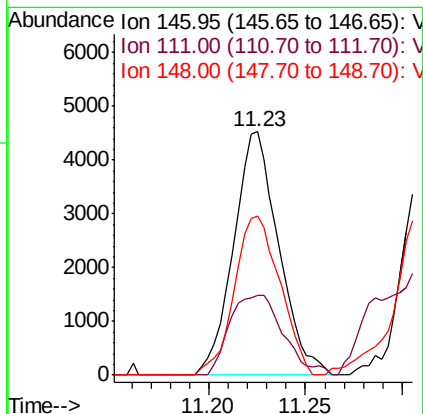
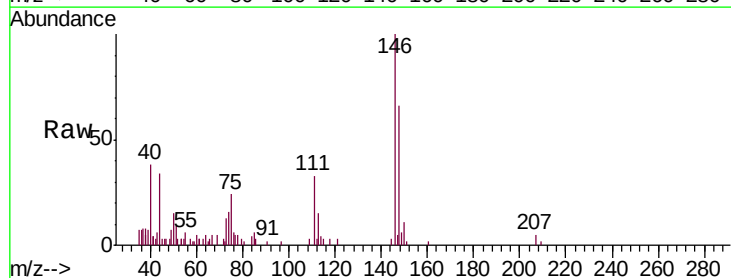
Tgt Ion:146 Resp: 7337

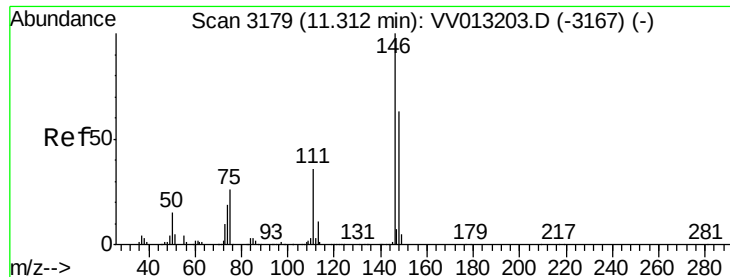
Ion Ratio Lower Upper

146 100

111 32.7 27.1 50.3

148 65.6 44.4 82.5

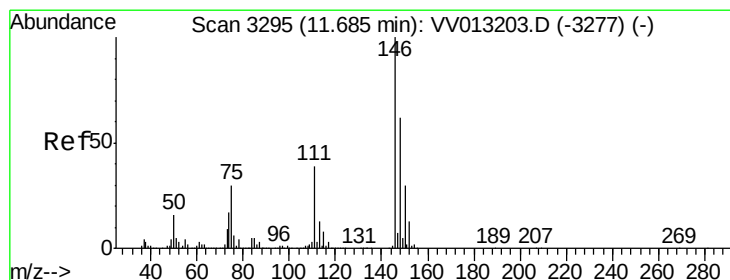
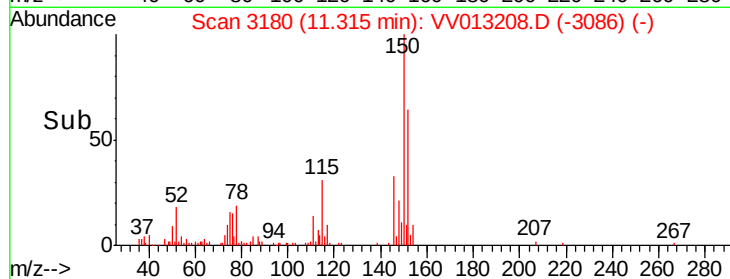
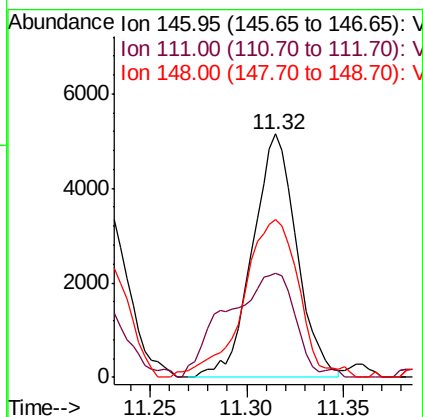
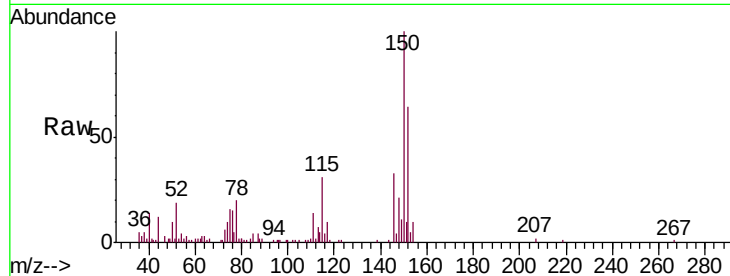




#63
 1,4-Dichlorobenzene
 Concen: 0.099 ug/L
 RT: 11.32 min Scan# 3180
 Delta R.T. 0.00 min
 Lab File: VV013208.D
 Acq: 18 Oct 2019 17:58

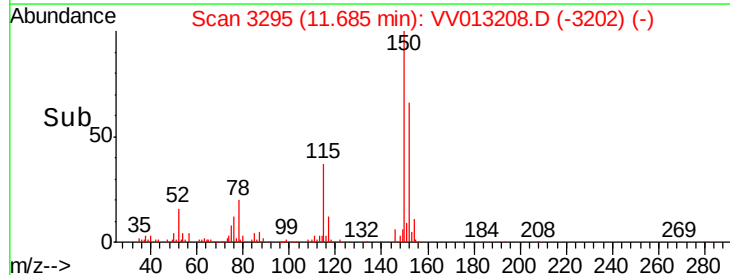
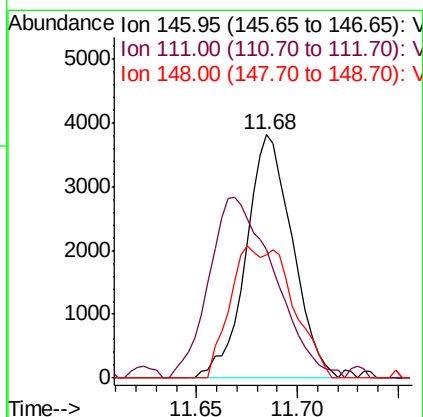
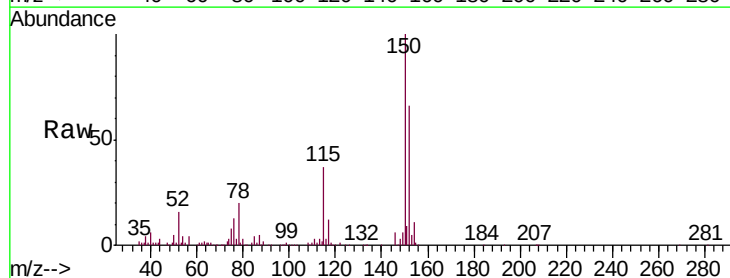
Instrument :
 MSVOA_V
 ClientSampleId :
 E0AA6

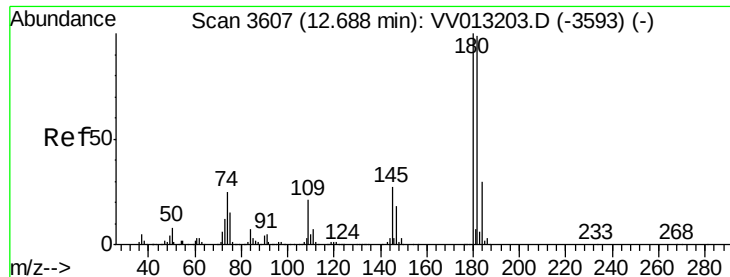
Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.7	25.7	47.7
148	65.0	44.4	82.5



#65
 1,2-Dichlorobenzene
 Concen: 0.078 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV013208.D
 Acq: 18 Oct 2019 17:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	52.8	31.9	47.9#
148	50.9	51.4	77.2#





#67

1,3,5-Trichlorobenzene

Concen: 0.113 ug/L

RT: 12.69 min Scan# 3608

Delta R.T. 0.00 min

Lab File: VV013208.D

Acq: 18 Oct 2019 17:58

Instrument :

MSVOA_V

ClientSampleId :

E0AA6

Tgt Ion:180 Resp: 6850

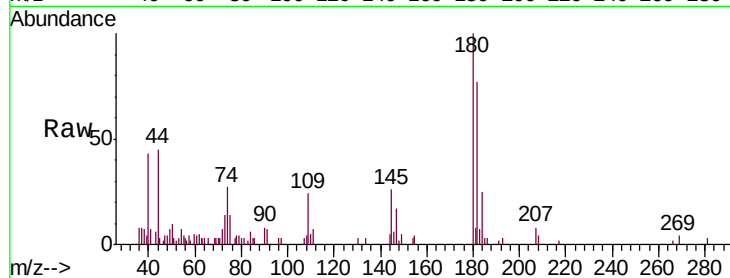
Ion Ratio Lower Upper

180 100

182 88.1 75.8 113.6

184 31.1 24.2 36.4

145 28.1 22.1 33.1

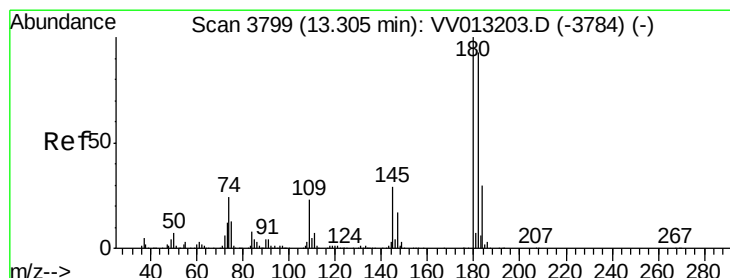
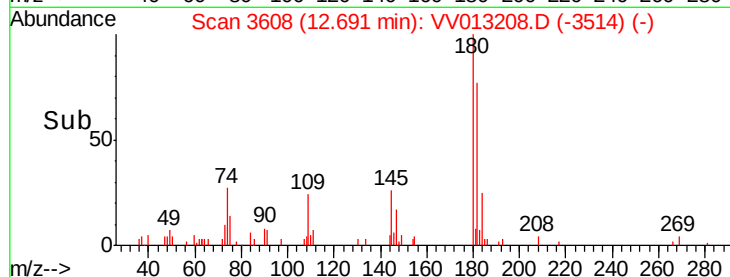
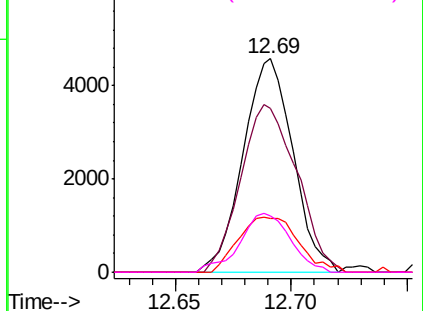


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68

1,2,4-trichlorobenzene

Concen: 0.151 ug/L

RT: 13.31 min Scan# 3800

Delta R.T. 0.00 min

Lab File: VV013208.D

Acq: 18 Oct 2019 17:58

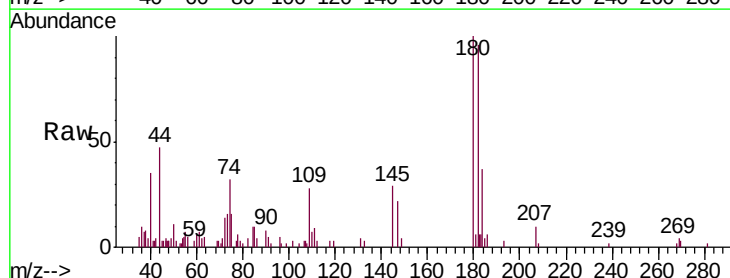
Tgt Ion:180 Resp: 8021

Ion Ratio Lower Upper

180 100

182 96.5 75.9 113.9

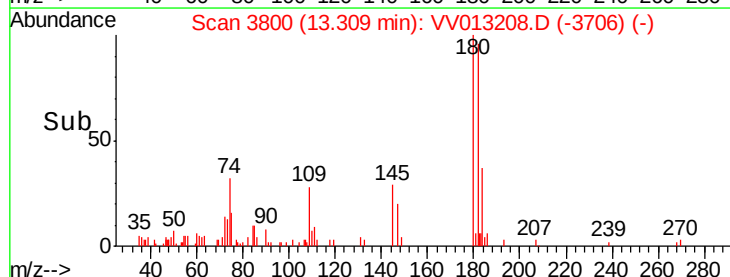
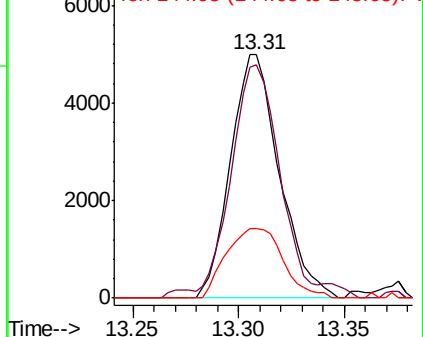
145 33.3 22.4 33.6

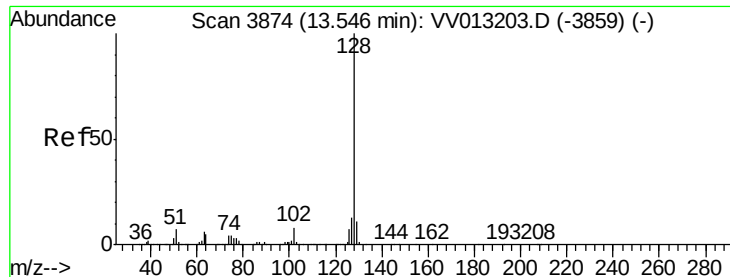


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 0.170 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV013208.D

Acq: 18 Oct 2019 17:58

Instrument :

MSVOA_V

ClientSampleId :

E0AA6

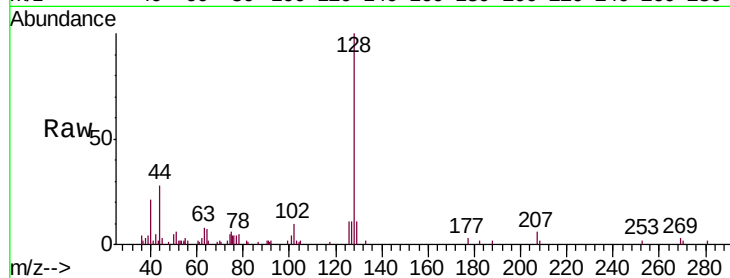
Tgt Ion:128 Resp: 13936

Ion Ratio Lower Upper

128 100

129 11.1 8.6 13.0

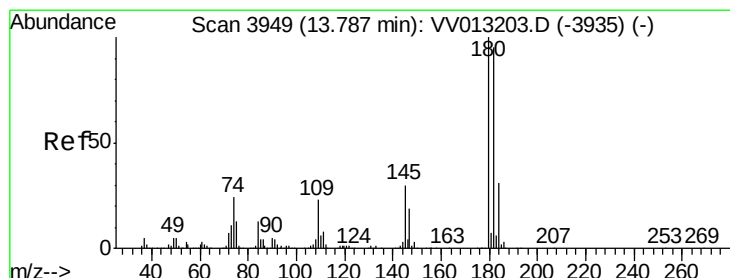
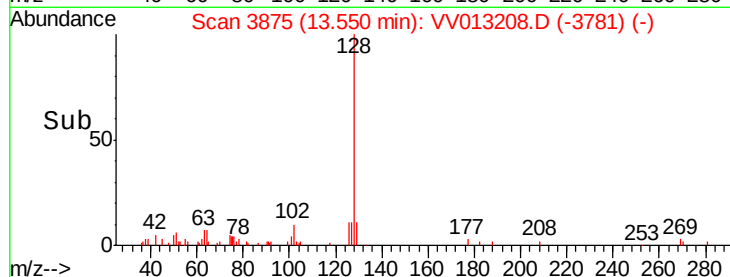
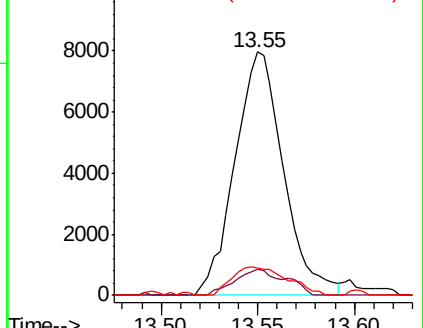
127 13.4 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.141 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV013208.D

Acq: 18 Oct 2019 17:58

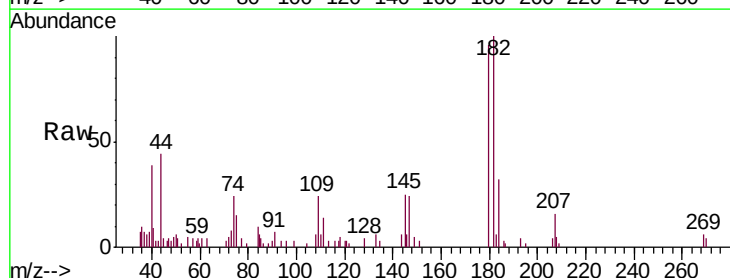
Tgt Ion:180 Resp: 7374

Ion Ratio Lower Upper

180 100

182 104.8 76.5 114.7

145 30.7 23.8 35.6



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

