

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051220\
 Data File : VV016020.D
 Acq On : 12 May 2020 17:50
 Operator : SY/MD
 Sample : L2542-01
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 13 06:59:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed May 13 06:55:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	132677	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	132023	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	58436	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	28729	3.99	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.80%
7) Chloroethane-d5	1.58	69	30839	4.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.40%
11) 1,1-Dichloroethene-d2	2.12	63	50572	3.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.40%
20) 2-Butanone-d5	3.95	46	114433	55.73	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.46%
24) Chloroform-d	4.38	84	75325	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
26) 1,2-Dichloroethane-d4	5.06	65	47131	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.60%
32) Benzene-d6	5.08	84	152079	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.80%
36) 1,2-Dichloropropane-d6	6.10	67	49740	5.19	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.80%
41) Toluene-d8	7.34	98	132444	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.20%
45) trans-1,3-Dichloropropene-	7.65	79	15354	4.08	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.60%
48) 2-Hexanone-d5	8.12	63	76121	46.04	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.08%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	35203	5.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.40%
65) 1,2-Dichlorobenzene-d4	11.65	152	51200	5.40	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	13028	1.281	ug/L 100
3) Chloromethane	1.14	50	45132	4.385	ug/L # 74
9) Trichlorofluoromethane	1.77	101	2191	0.162	ug/L 97
12) 1,1-Dichloroethene	2.13	96	637	0.087	ug/L # 1
13) Acetone	2.23	43	4101	3.028	ug/L 97
14) Carbon disulfide	2.32	76	1108	0.046	ug/L # 70
25) Chloroform	4.41	83	16581	0.969	ug/L 92
35) Methylcyclohexane	6.10	83	12243	0.854	ug/L # 16
37) 1,2-Dichloropropane	6.10	63	5983	0.709	ug/L # 87
38) Bromodichloromethane	6.54	83	737	0.069	ug/L # 83
49) Tetrachloroethene	8.00	164	752	0.114	ug/L # 76
50) 2-Hexanone	8.17	43	9751	2.621	ug/L # 84
51) Dibromochloromethane	8.00	129	1090	0.172	ug/L # 9
64) 1,4-Dichlorobenzene	11.30	146	1067	0.067	ug/L 87
68) 1,3,5-Trichlorobenzene	12.67	180	877	0.076	ug/L # 89
69) 1,2,4-trichlorobenzene	13.29	180	1436	0.145	ug/L 98
70) Naphthalene	13.53	128	4420	0.281	ug/L # 94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051220\
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Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: May 13 06:59:01 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed May 13 06:55:36 2020
Response via : Initial Calibration

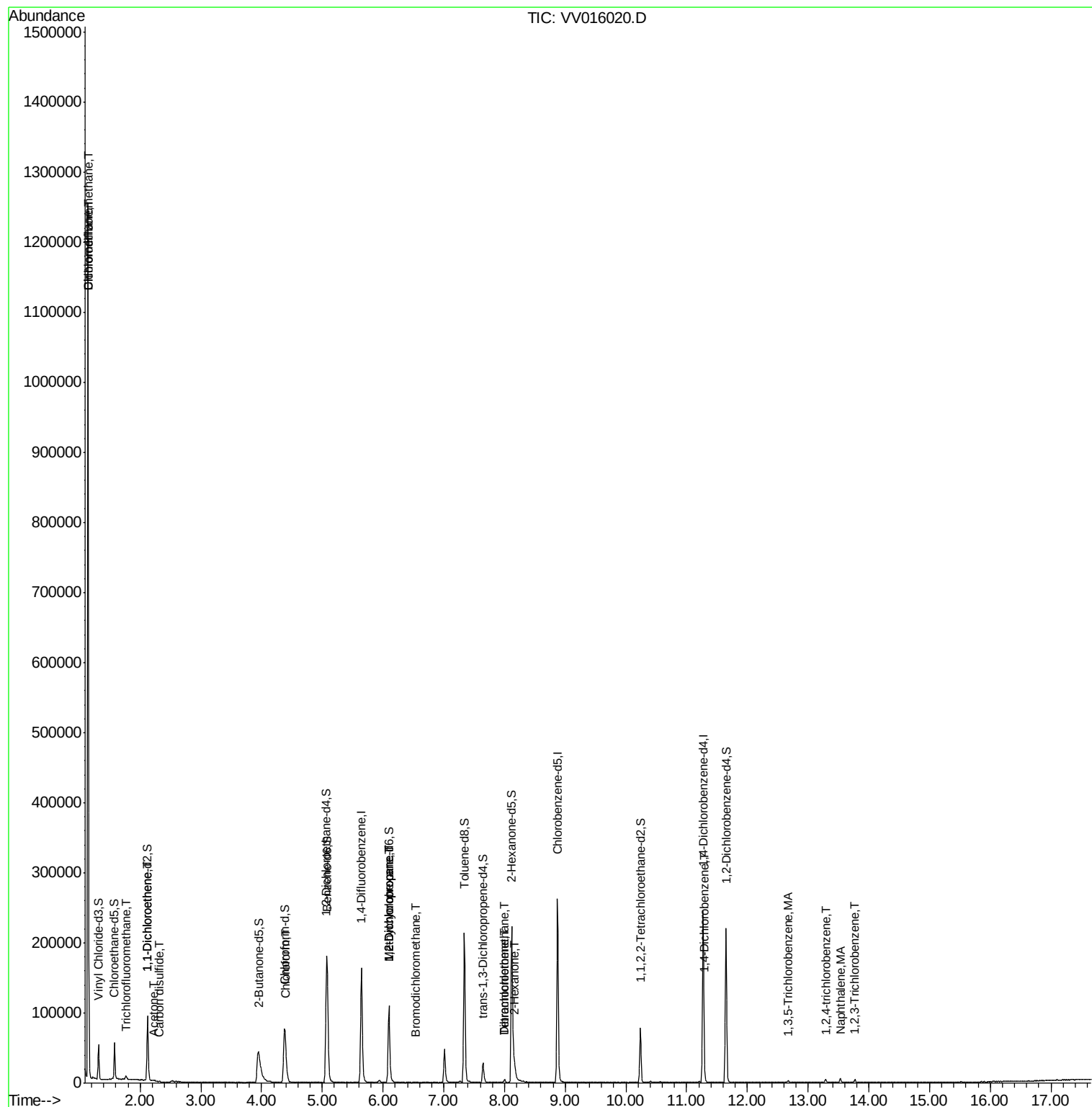
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 1,2,3-Trichlorobenzene	13.77	180	1439	0.165	ug/L #	88

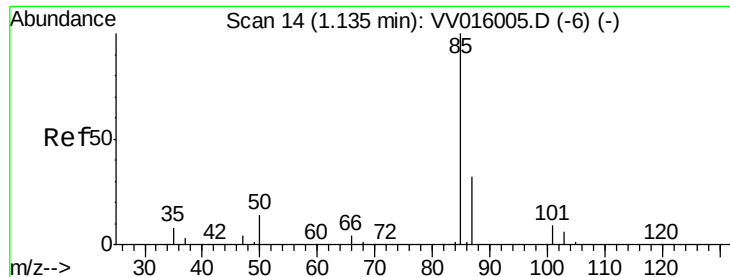
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV051220\
Data File : VV016020.D
Acq On : 12 May 2020 17:50
Operator : SY/MD
Sample : L2542-01
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
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QLast Update : Wed May 13 06:55:36 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 1.281 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.01 min

Lab File: VV016020.D

Acq: 12 May 2020 17:50

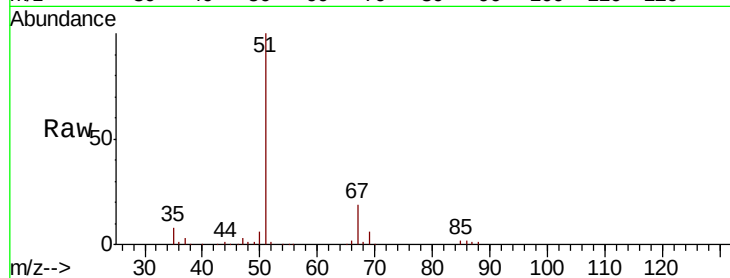
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 13028

Ion Ratio Lower Upper

85 100

87 32.7 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

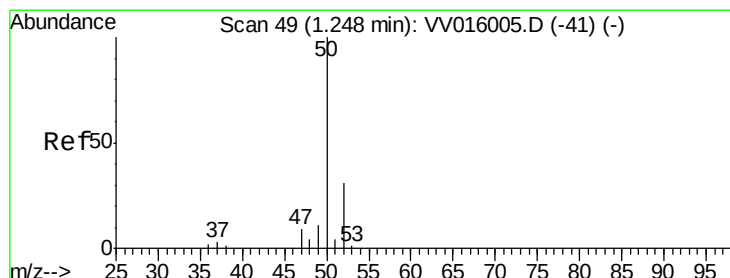
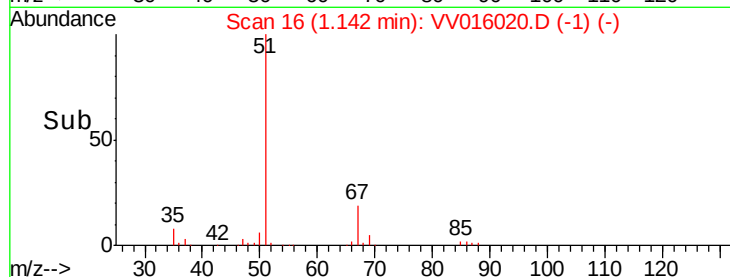
15000

10000

5000

0

Time-->



#3

Chloromethane

Concen: 4.385 ug/L

RT: 1.14 min Scan# 16

Delta R.T. -0.11 min

Lab File: VV016020.D

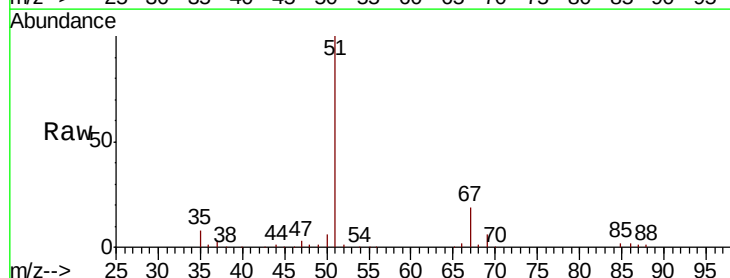
Acq: 12 May 2020 17:50

Tgt Ion: 50 Resp: 45132

Ion Ratio Lower Upper

50 100

52 17.8 22.8 42.4#



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0

1.14

50000

40000

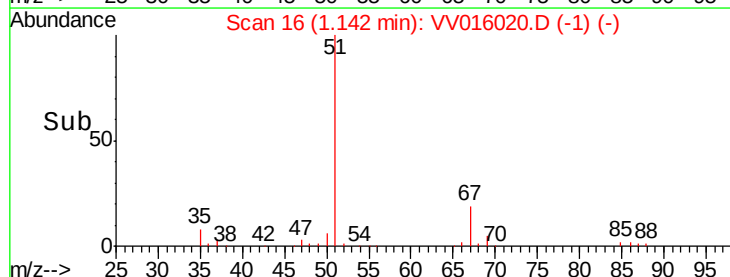
30000

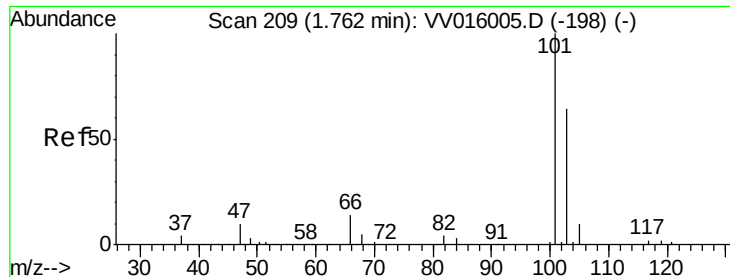
20000

10000

0

Time-->



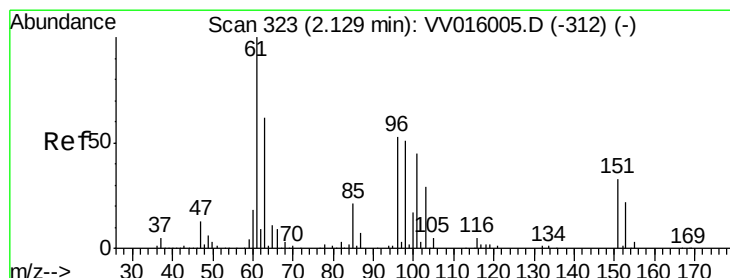
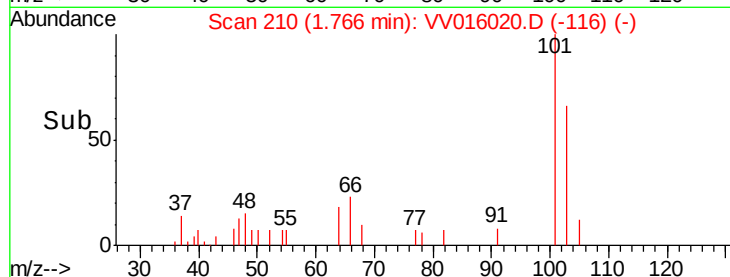
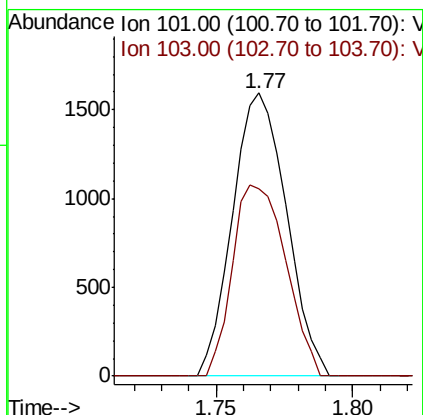
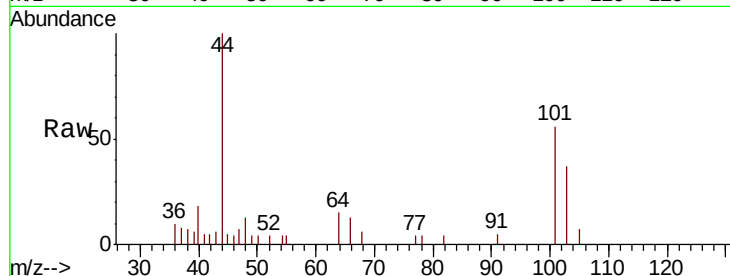


#9

Trichlorofluoromethane
Concen: 0.162 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.00 min
Lab File: VV016020.D
Acq: 12 May 2020 17:50

Instrument :
MSVOA_V
ClientSampleId :

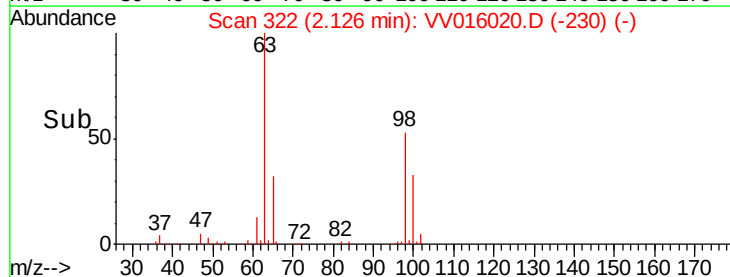
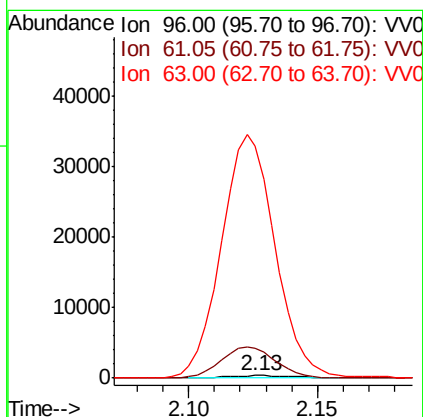
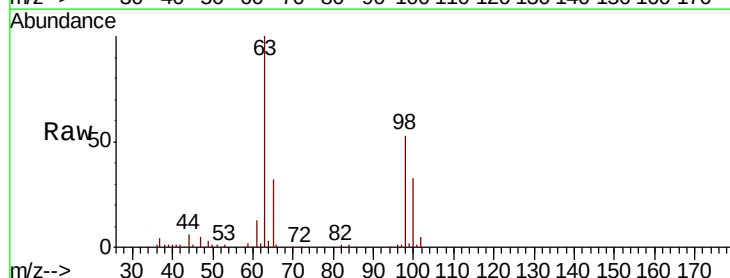
Tot Ion: 101 Resp: 2191
Ion Ratio Lower Upper
101 100
103 66.8 51.4 77.2

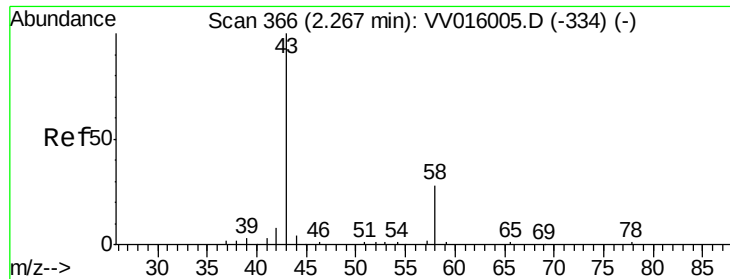


#12

1,1-Dichloroethene
Concen: 0.087 ug/L
RT: 2.13 min Scan# 322
Delta R.T. -0.00 min
Lab File: VV016020.D
Acq: 12 May 2020 17:50

Tgt Ion: 96 Resp: 637
Ion Ratio Lower Upper
96 100
61 1237.1 139.9 259.7#
63 9660.8 106.4 197.6#





#13

Acetone

Concen: 3.028 ug/L

RT: 2.23 min Scan# 354

Delta R.T. -0.04 min

Lab File: VV016020.D

Acq: 12 May 2020 17:50

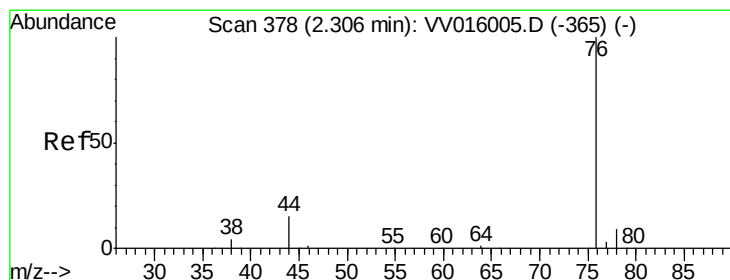
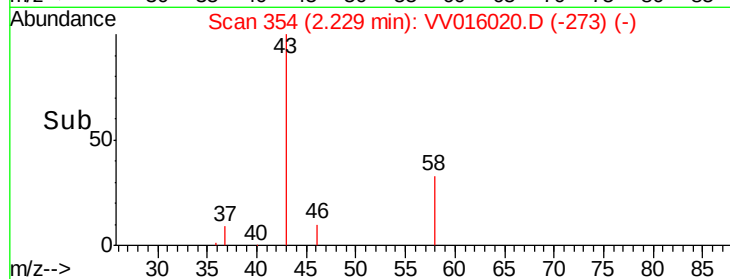
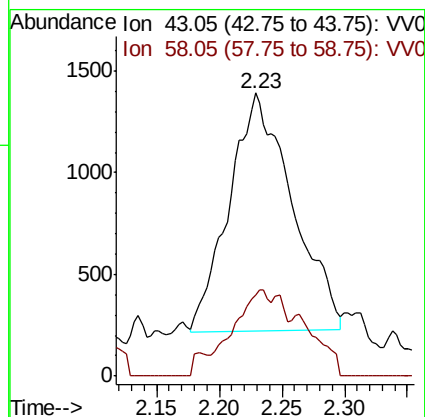
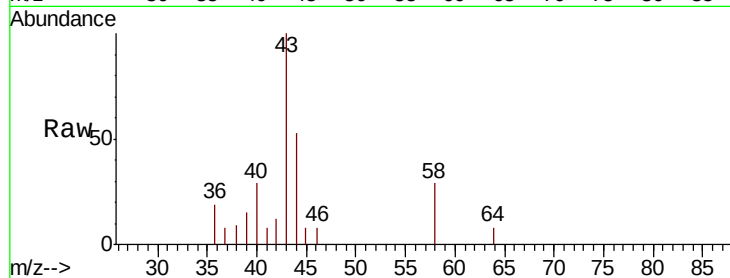
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 4101

Ion Ratio Lower Upper

43 100

58 14.1 0.0 30.8



#14

Carbon disulfide

Concen: 0.046 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.01 min

Lab File: VV016020.D

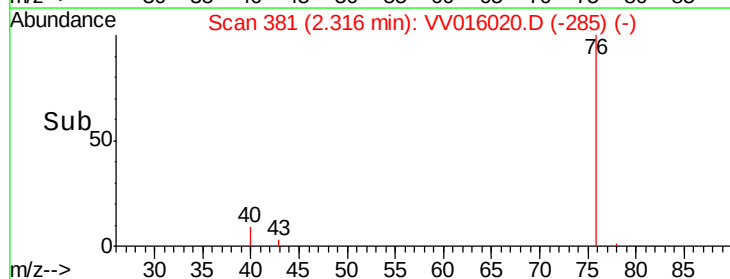
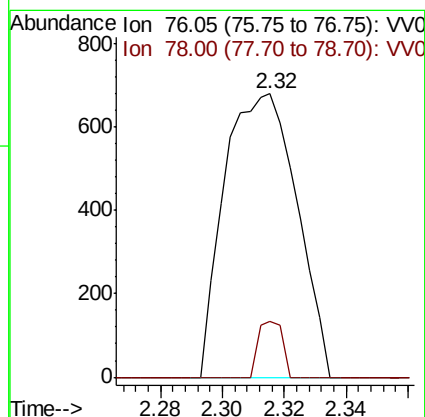
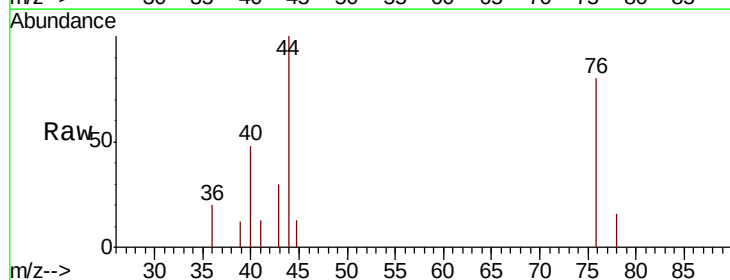
Acq: 12 May 2020 17:50

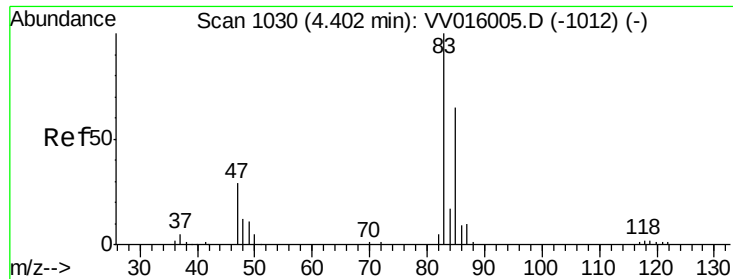
Tgt Ion: 76 Resp: 1108

Ion Ratio Lower Upper

76 100

78 19.6 7.0 10.6#

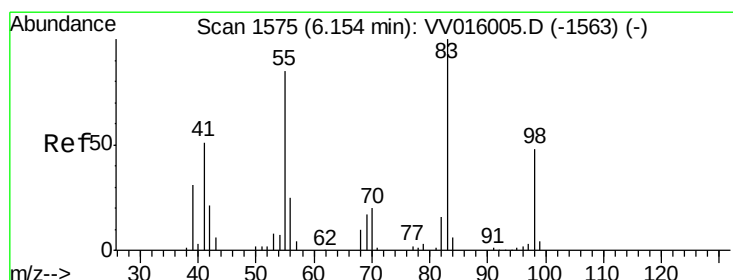
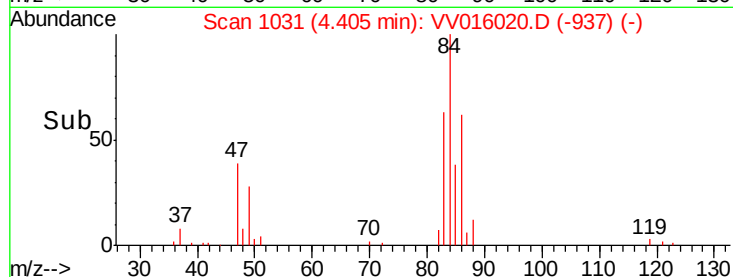
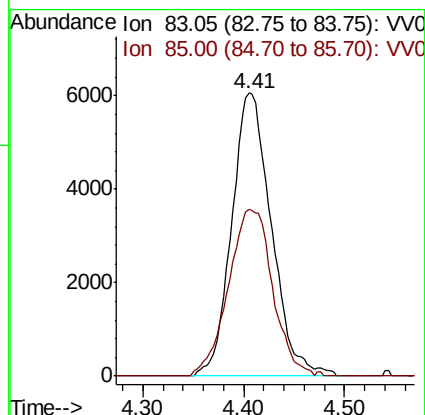
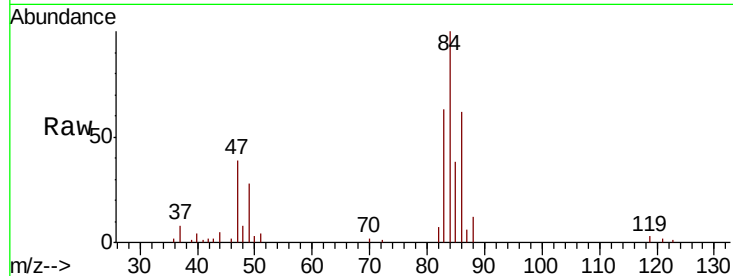




#25
Chloroform
Concen: 0.969 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV016020.D
Acq: 12 May 2020 17:50

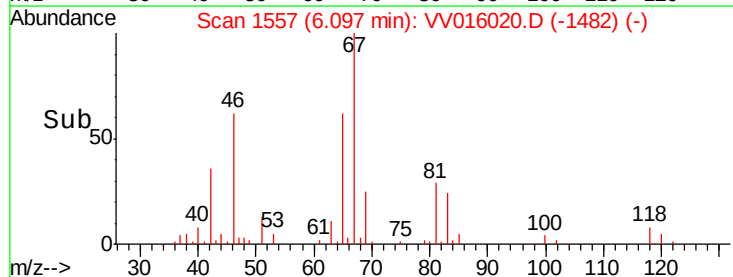
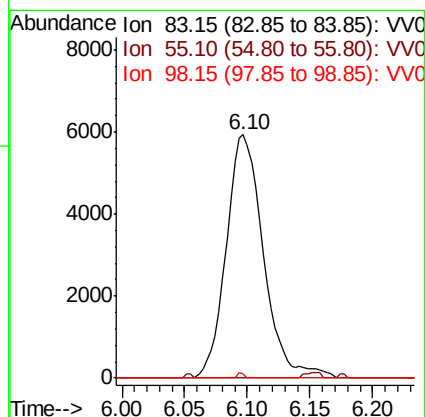
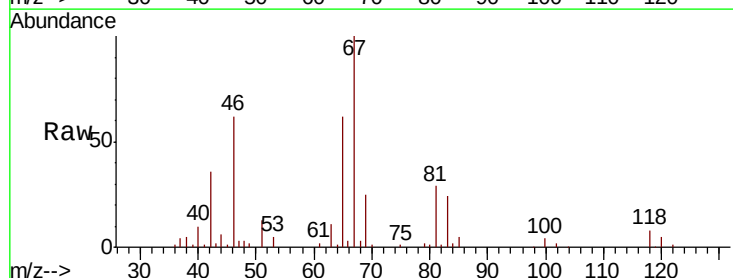
Instrument :
MSVOA_V
ClientSampleId :

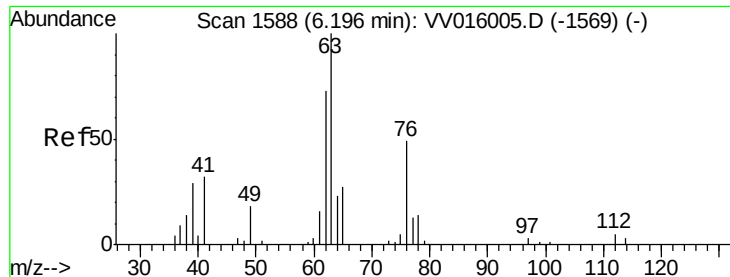
Tot Ion: 83 Resp: 16581
Ion Ratio Lower Upper
83 100
85 59.1 45.7 84.9



#35
Methylcyclohexane
Concen: 0.854 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.06 min
Lab File: VV016020.D
Acq: 12 May 2020 17:50

Tgt Ion: 83 Resp: 12243
Ion Ratio Lower Upper
83 100
55 0.3 66.2 99.2#
98 0.4 37.9 56.9#

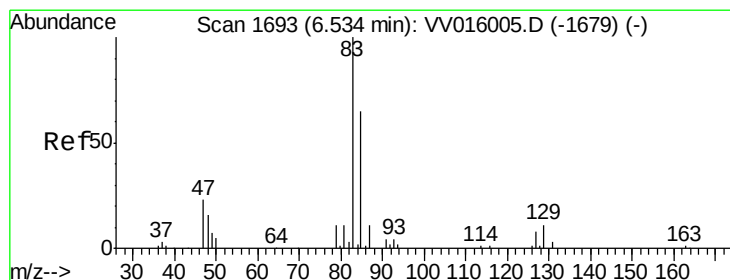
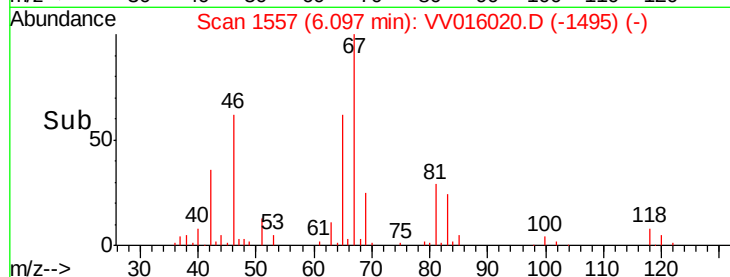
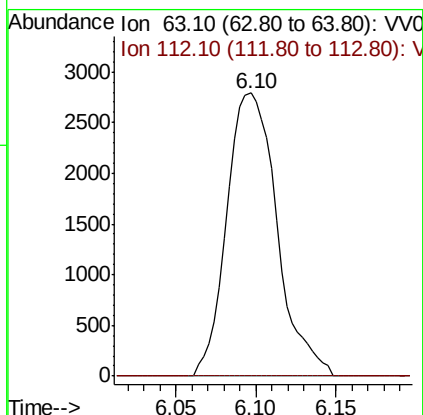
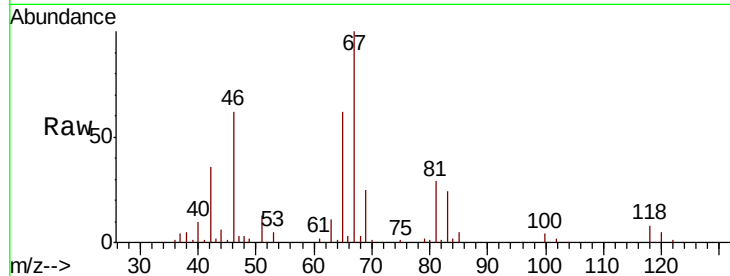




#37
 1,2-Dichloropropane
 Concen: 0.709 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.10 min
 Lab File: VV016020.D
 Acq: 12 May 2020 17:50

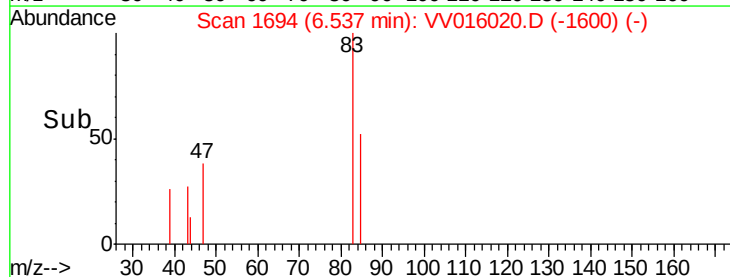
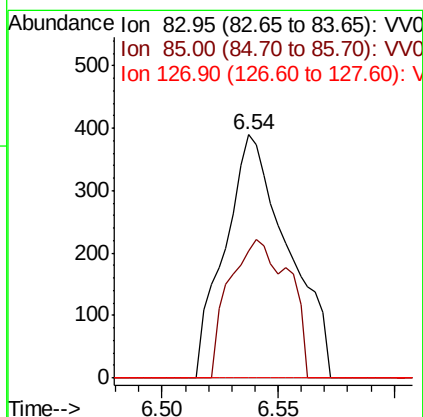
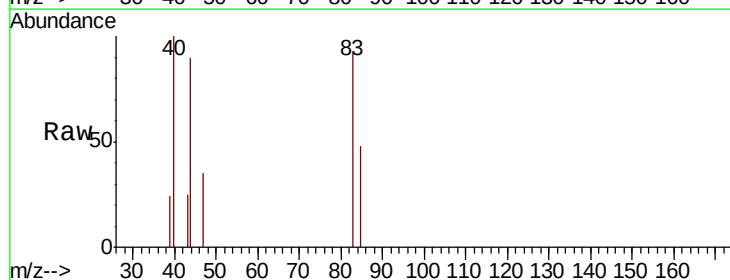
Instrument :
 MSVOA_V
 ClientSampled :

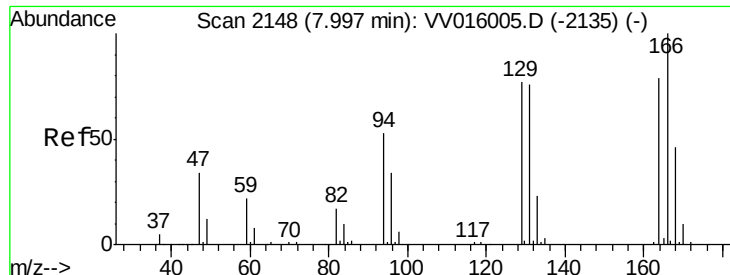
Tot Ion: 63 Resp: 5983
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.0#



#38
 Bromodichloromethane
 Concen: 0.069 ug/L
 RT: 6.54 min Scan# 1694
 Delta R.T. 0.00 min
 Lab File: VV016020.D
 Acq: 12 May 2020 17:50

Tgt Ion: 83 Resp: 737
 Ion Ratio Lower Upper
 83 100
 85 52.1 45.5 84.5
 127 0.0 6.2 9.4#





#49

Tetrachloroethene

Concen: 0.114 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VV016020.D

Acq: 12 May 2020 17:50

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:164 Resp: 752

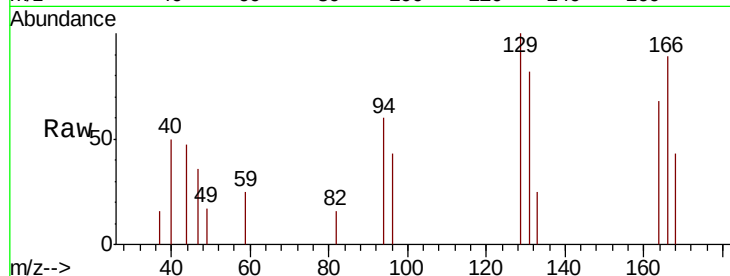
Ion Ratio Lower Upper

164 100

129 147.1 69.7 129.4#

131 120.1 66.8 124.2

166 131.6 89.1 165.5

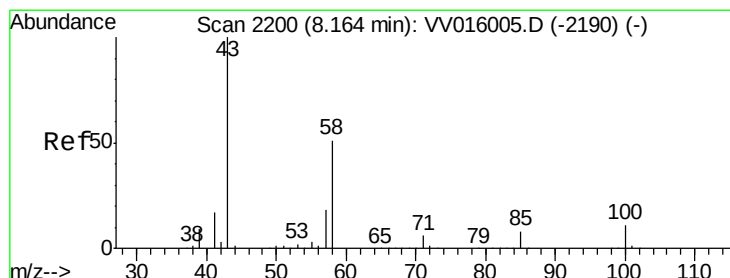
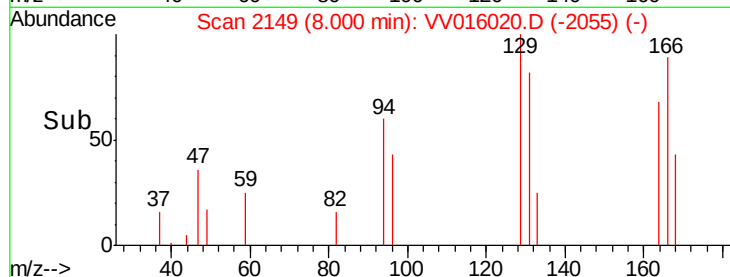
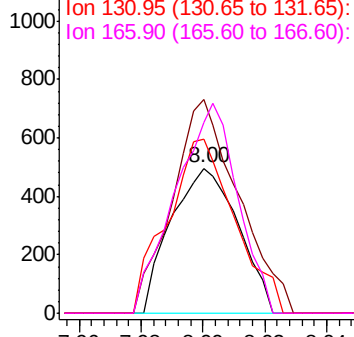


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#50

2-Hexanone

Concen: 2.621 ug/L

RT: 8.17 min Scan# 2202

Delta R.T. 0.01 min

Lab File: VV016020.D

Acq: 12 May 2020 17:50

Tgt Ion: 43 Resp: 9751

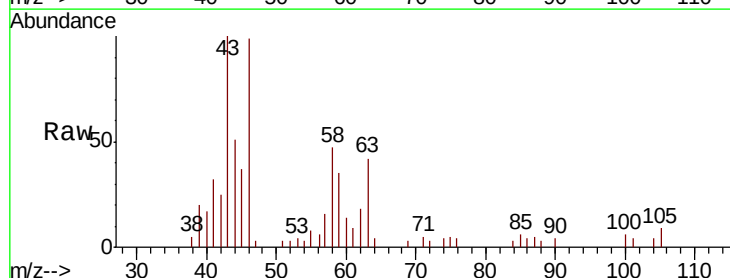
Ion Ratio Lower Upper

43 100

58 45.8 40.8 61.2

57 2.4 14.7 22.1#

100 4.1 9.0 13.6#

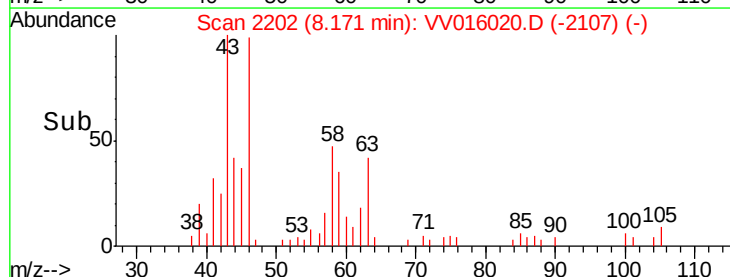
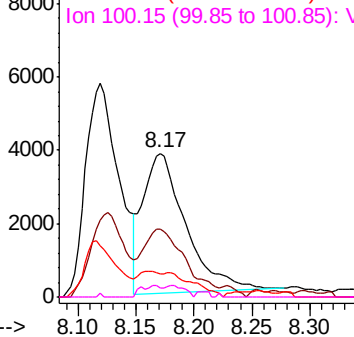


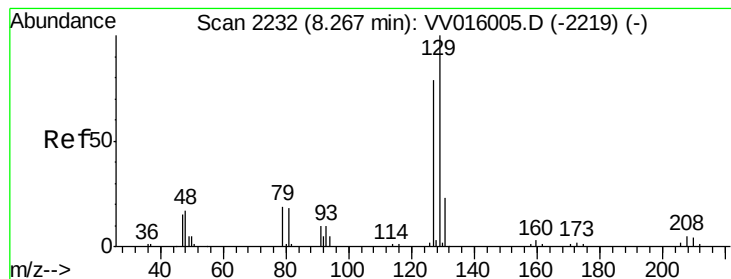
Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0





#51

Dibromochloromethane

Concen: 0.172 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. -0.27 min

Lab File: VV016020.D

Acq: 12 May 2020 17:50

Instrument :

MSVOA_V

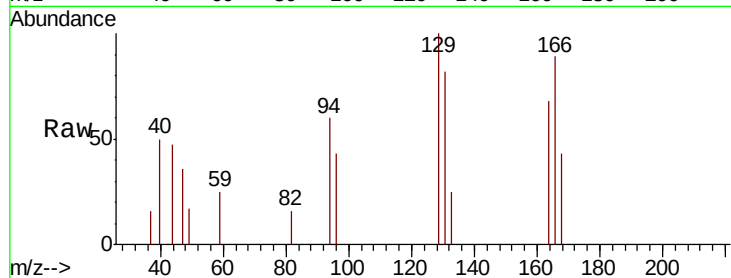
ClientSampled :

Tot Ion:129 Resp: 1090

Ion Ratio Lower Upper

129 100

127 0.0 56.0 104.0#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.00

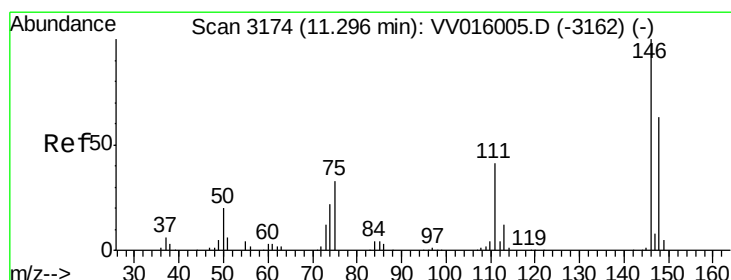
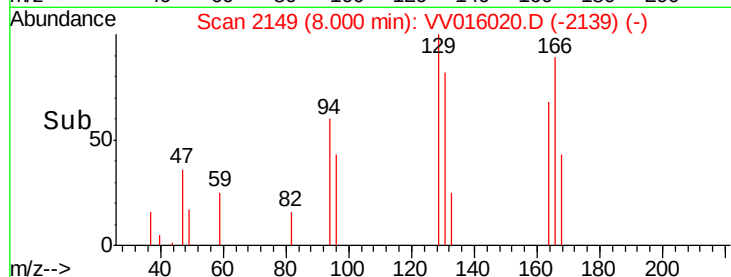
600

400

200

0

Time-->



#64

1,4-Dichlorobenzene

Concen: 0.067 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV016020.D

Acq: 12 May 2020 17:50

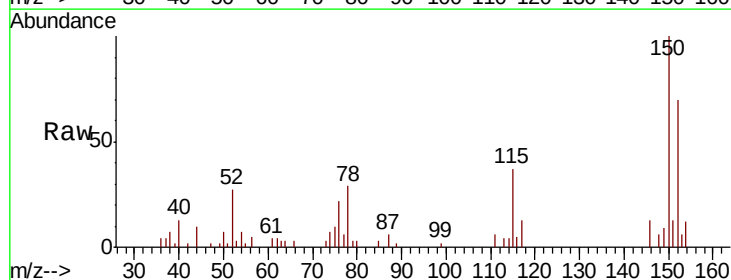
Tgt Ion:146 Resp: 1067

Ion Ratio Lower Upper

146 100

111 43.0 28.9 53.7

148 48.4 44.6 82.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

11.30

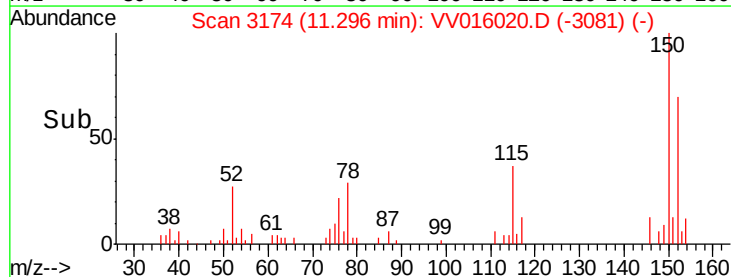
600

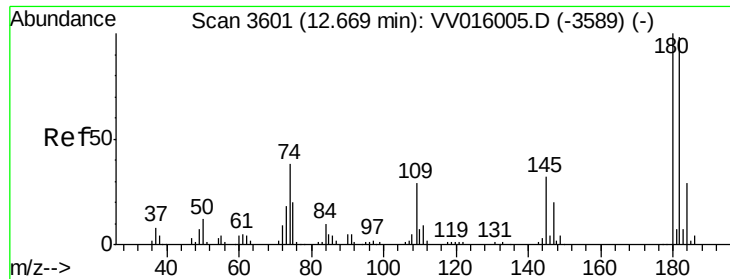
400

200

0

Time-->

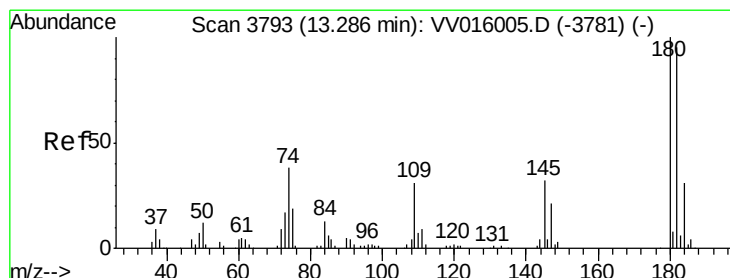
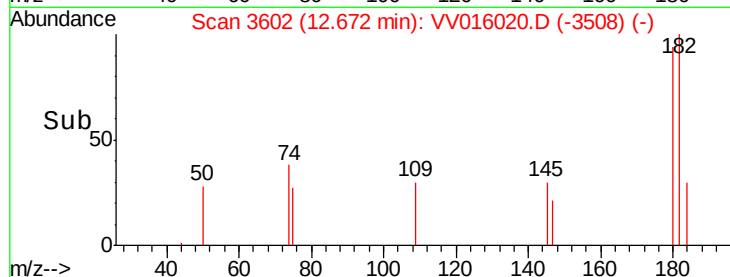
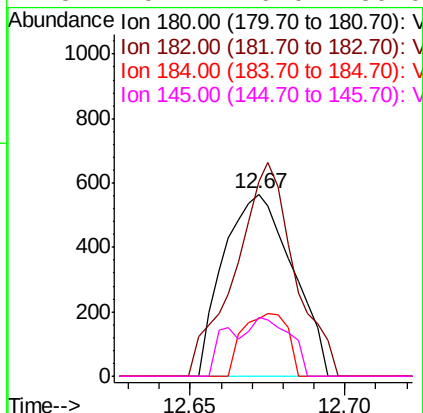
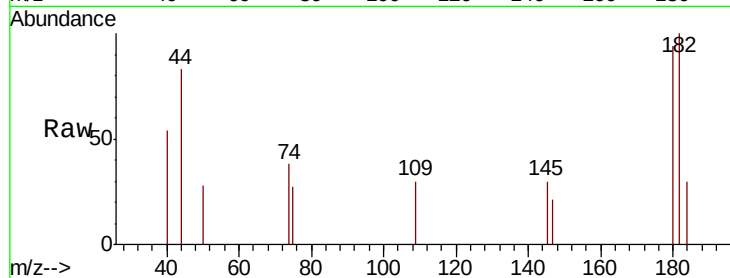




#68
 1,3,5-Trichlorobenzene
 Concen: 0.076 ug/L
 RT: 12.67 min Scan# 3602
 Delta R.T. 0.00 min
 Lab File: VV016020.D
 Acq: 12 May 2020 17:50

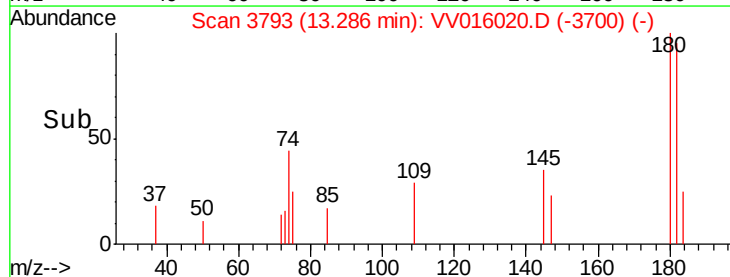
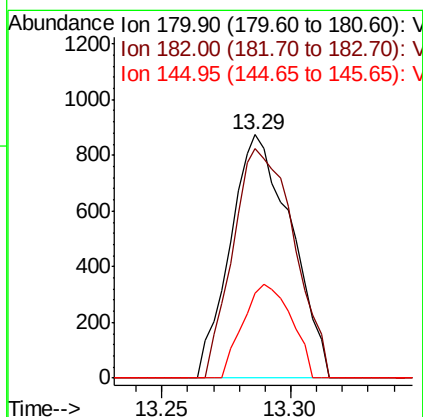
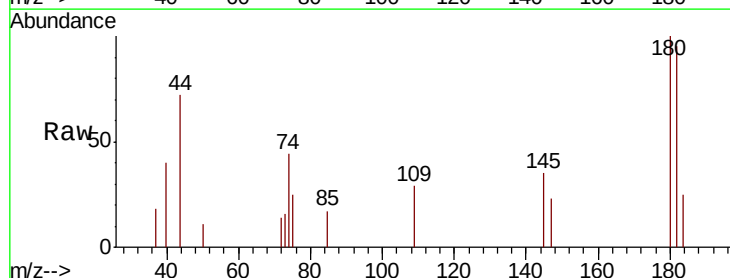
Instrument :
 MSVOA_V
 ClientSampleId :

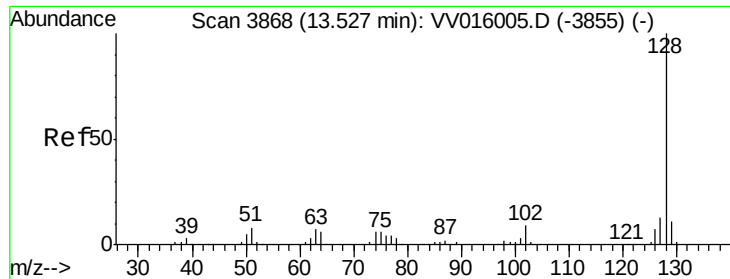
Tot Ion:180 Resp: 877
 Ion Ratio Lower Upper
 180 100
 182 100.1 75.8 113.6
 184 22.3 24.6 36.8#
 145 19.7 26.0 39.0#



#69
 1,2,4-trichlorobenzene
 Concen: 0.145 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV016020.D
 Acq: 12 May 2020 17:50

Tgt Ion:180 Resp: 1436
 Ion Ratio Lower Upper
 180 100
 182 94.8 76.7 115.1
 145 30.8 26.4 39.6





#70

Naphthalene

Concen: 0.281 ug/L

RT: 13.53 min Scan# 3869

Delta R.T. 0.00 min

Lab File: VV016020.D

Acq: 12 May 2020 17:50

Instrument :

MSVOA_V

ClientSampleId :

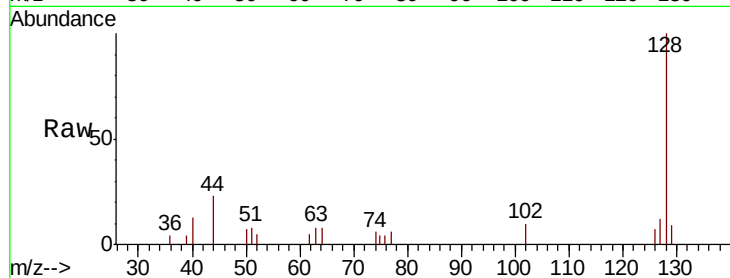
Tot Ion:128 Resp: 4420

Ion Ratio Lower Upper

128 100

129 10.6 8.5 12.7

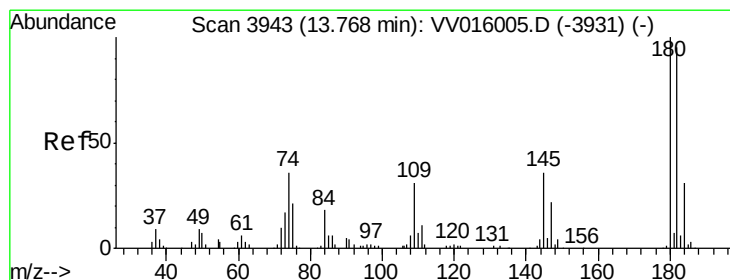
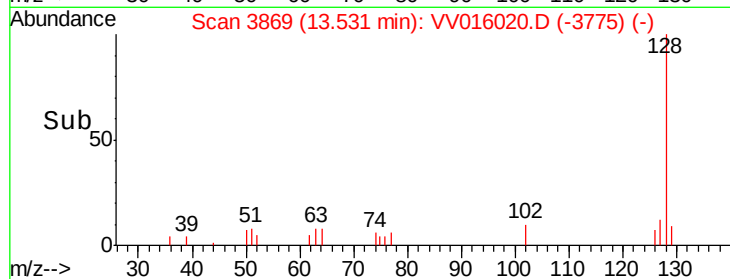
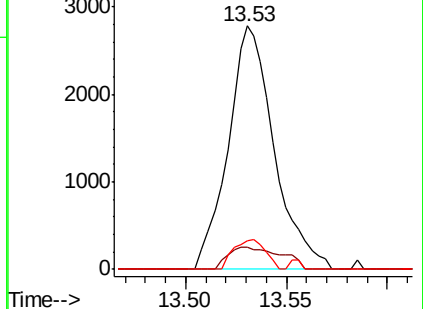
127 8.5 10.2 15.2#



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



#71

1,2,3-Trichlorobenzene

Concen: 0.165 ug/L

RT: 13.77 min Scan# 3945

Delta R.T. 0.01 min

Lab File: VV016020.D

Acq: 12 May 2020 17:50

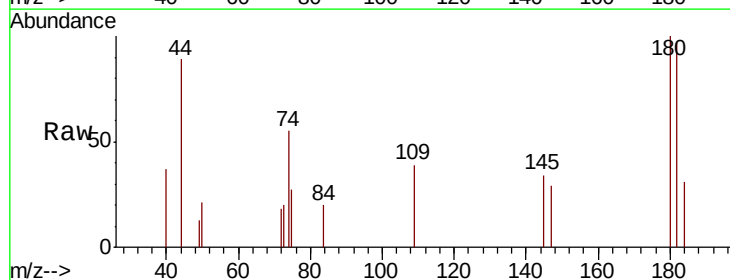
Tgt Ion:180 Resp: 1439

Ion Ratio Lower Upper

180 100

182 107.4 77.0 115.6

145 27.8 28.3 42.5#



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

