

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051220\
 Data File : VV016018.D
 Acq On : 12 May 2020 16:40
 Operator : SY/MD
 Sample : L2541-22
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 13 06:58:45 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	133925	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	134954	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	60217	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	29993	4.13	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.60%
7) Chloroethane-d5	1.58	69	31513	4.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.60%
11) 1,1-Dichloroethene-d2	2.12	63	50604	3.24	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.80%
20) 2-Butanone-d5	3.93	46	112718	54.39	ug/L	-0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.78%
24) Chloroform-d	4.38	84	71744	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.40%
26) 1,2-Dichloroethane-d4	5.06	65	46735	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.60%
32) Benzene-d6	5.08	84	153146	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
36) 1,2-Dichloropropane-d6	6.10	67	49515	5.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.00%
41) Toluene-d8	7.34	98	134285	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.40%
45) trans-1,3-Dichloropropene-	7.65	79	12649	3.29	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	65.80%
48) 2-Hexanone-d5	8.12	63	74306	43.97	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.94%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	35355	5.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.60%
65) 1,2-Dichlorobenzene-d4	11.65	152	51811	5.30	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.00%

Target Compounds

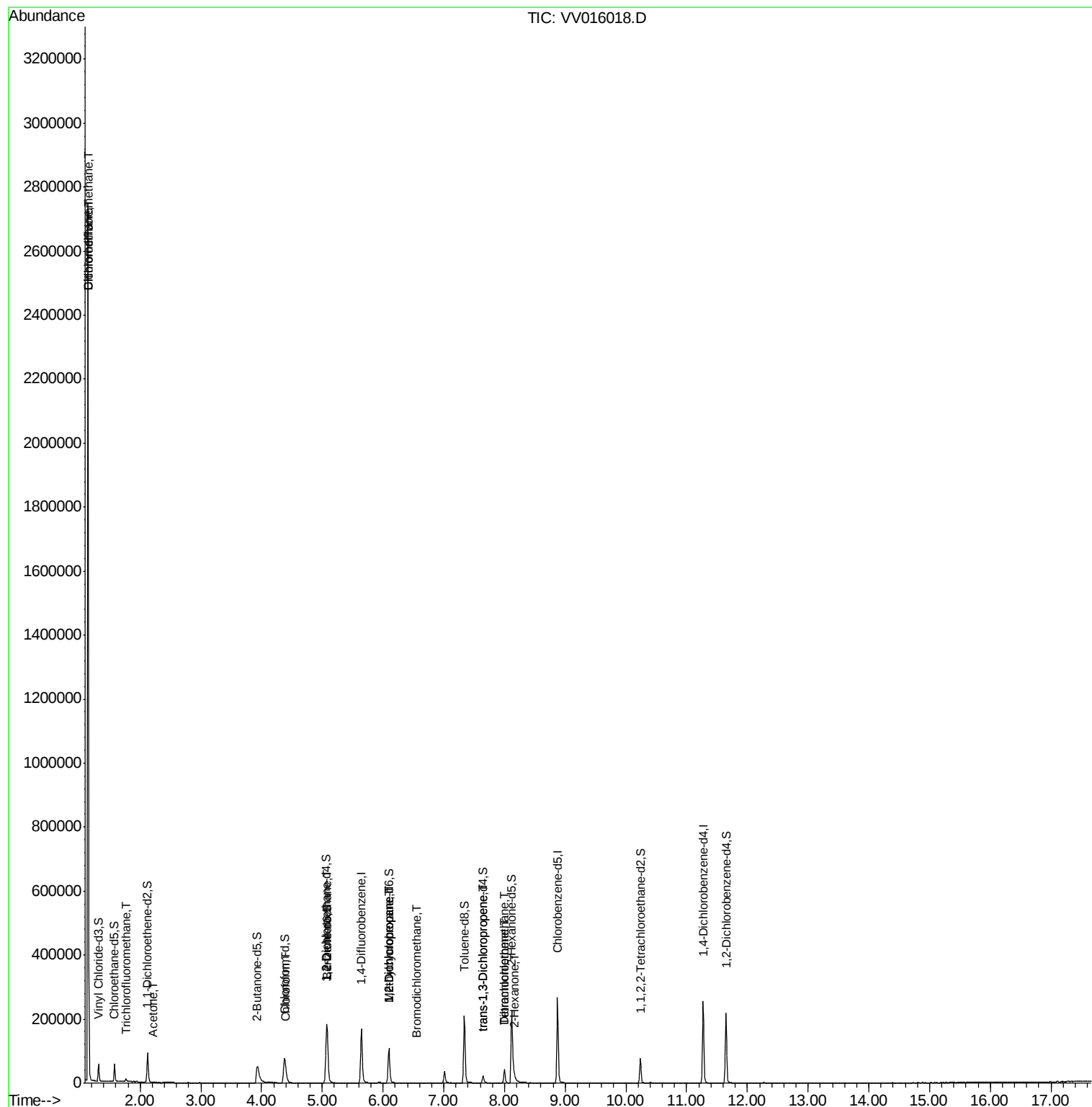
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	29155	2.841	ug/L	98
3) Chloromethane	1.14	50	100546	9.678	ug/L #	74
9) Trichlorofluoromethane	1.77	101	4938	0.362	ug/L	93
13) Acetone	2.21	43	3949	2.888	ug/L	81
25) Chloroform	4.41	83	17006	0.984	ug/L	96
27) 1,2-Dichloroethane	5.09	62	939	0.088	ug/L #	76
35) Methylcyclohexane	6.10	83	12039	0.821	ug/L #	17
37) 1,2-Dichloropropane	6.10	63	6335	0.734	ug/L #	87
38) Bromodichloromethane	6.55	83	533	0.049	ug/L #	91
46) trans-1,3-Dichloropropene	7.65	75	525	0.051	ug/L	97
49) Tetrachloroethene	8.00	164	9143	1.352	ug/L	96
50) 2-Hexanone	8.17	43	5833	1.534	ug/L #	86
51) Dibromochloromethane	8.00	129	8765	1.354	ug/L #	9

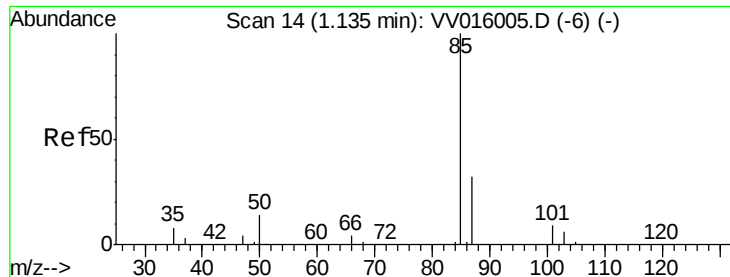
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 2.841 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.01 min

Lab File: VV016018.D

Acq: 12 May 2020 16:40

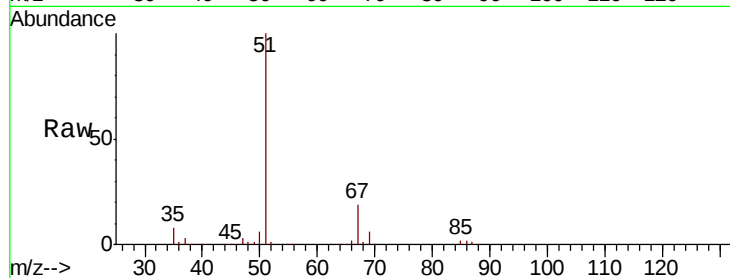
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 29155

Ion Ratio Lower Upper

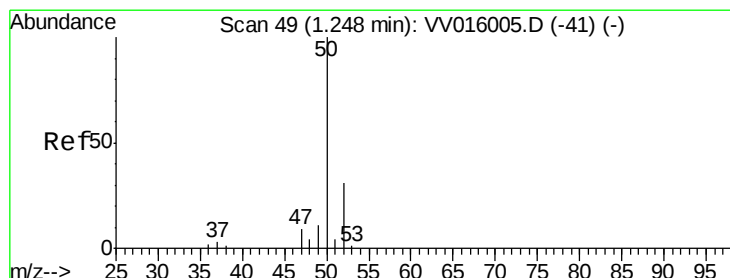
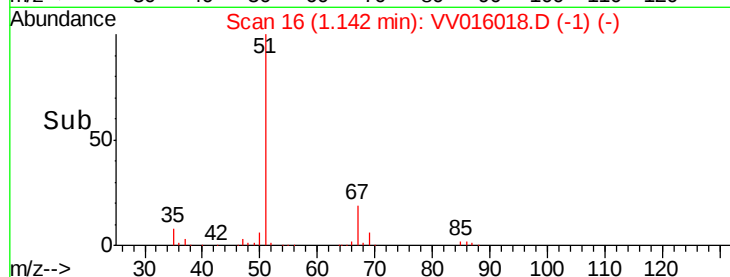
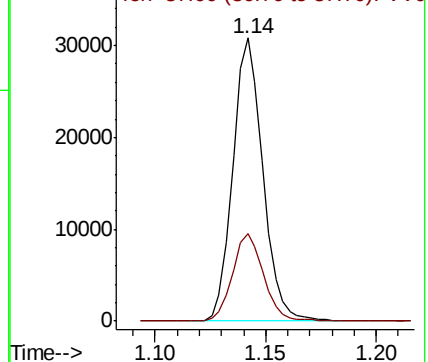
85 100

87 32.0 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 9.678 ug/L

RT: 1.14 min Scan# 16

Delta R.T. -0.11 min

Lab File: VV016018.D

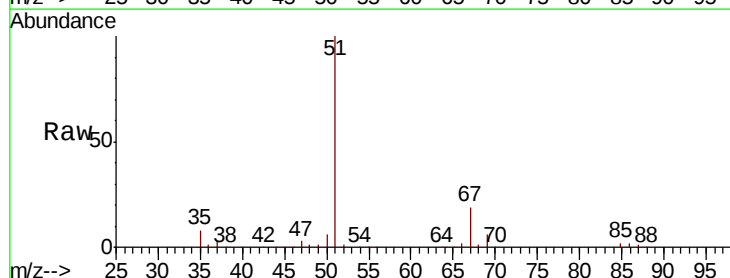
Acq: 12 May 2020 16:40

Tgt Ion: 50 Resp: 100546

Ion Ratio Lower Upper

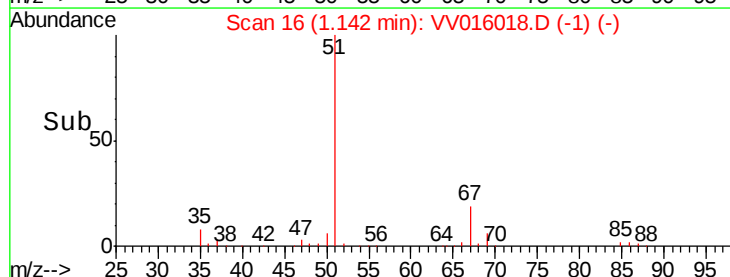
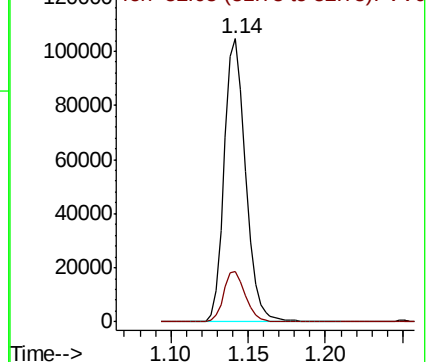
50 100

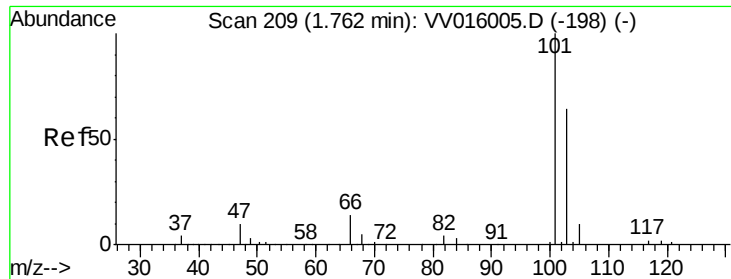
52 17.9 22.8 42.4#



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#9

Trichlorofluoromethane

Concen: 0.362 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV016018.D

Acq: 12 May 2020 16:40

Instrument :

MSVOA_V

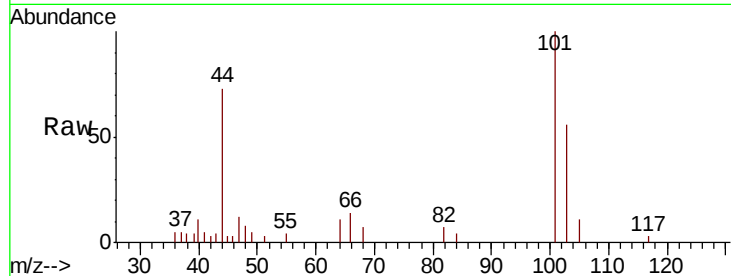
ClientSampleId :

Tot Ion:101 Resp: 4938

Ion Ratio Lower Upper

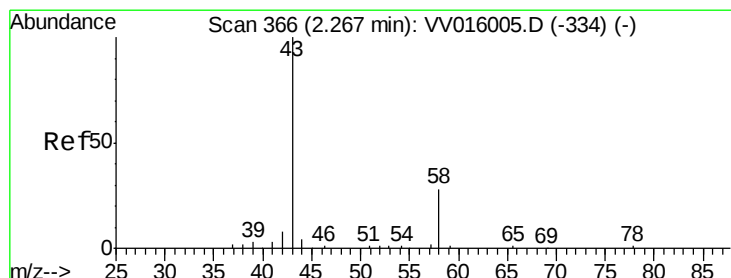
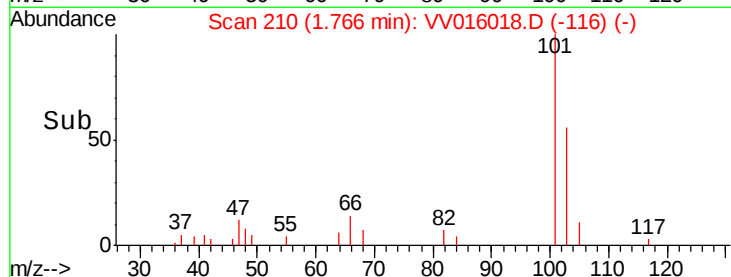
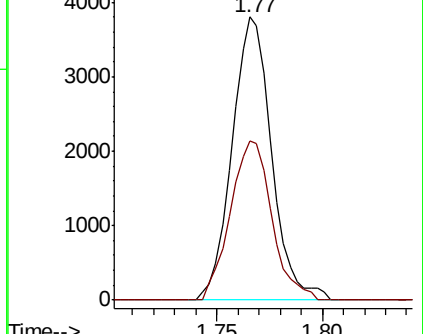
101 100

103 58.9 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#13

Acetone

Concen: 2.888 ug/L

RT: 2.21 min Scan# 349

Delta R.T. -0.05 min

Lab File: VV016018.D

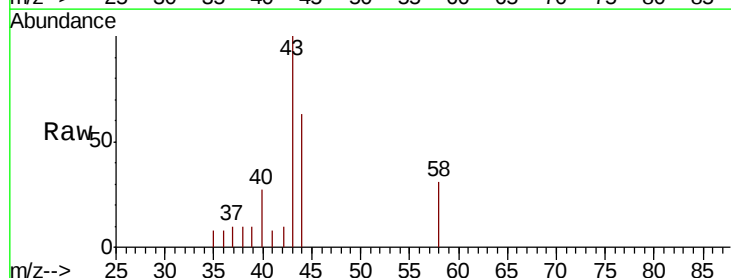
Acq: 12 May 2020 16:40

Tgt Ion: 43 Resp: 3949

Ion Ratio Lower Upper

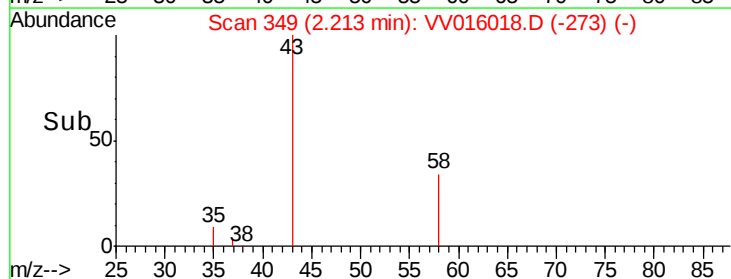
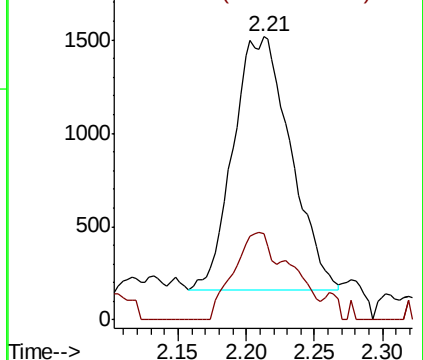
43 100

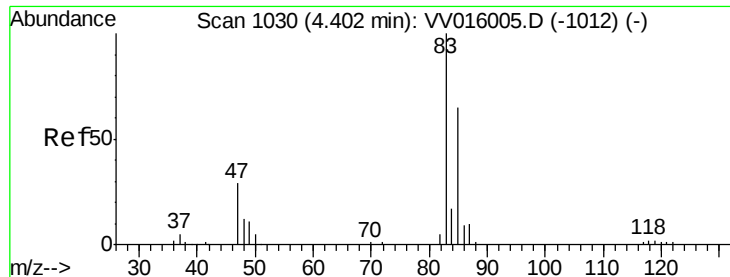
58 23.4 0.0 30.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

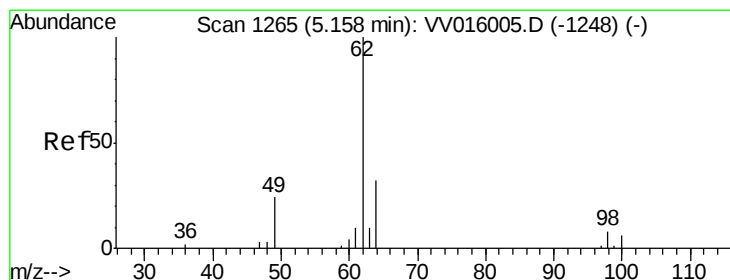
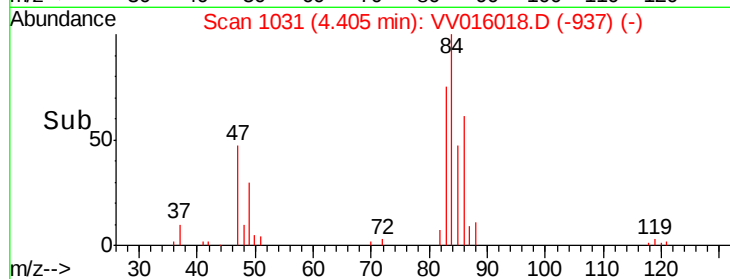
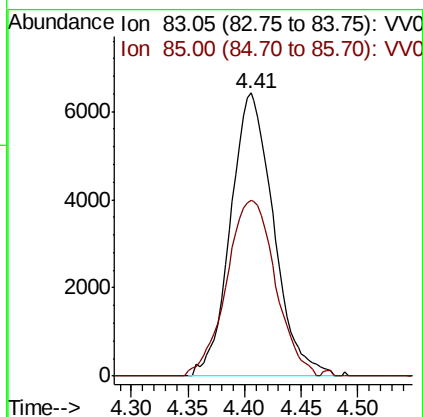
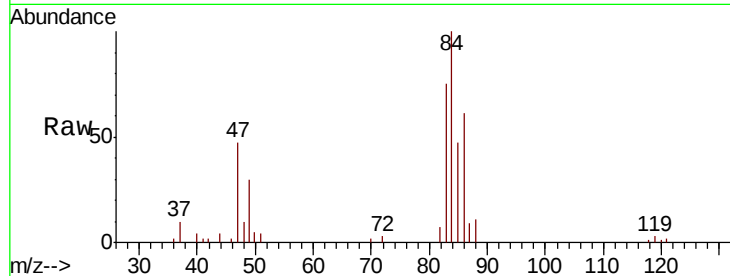




#25
Chloroform
Concen: 0.984 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV016018.D
Acq: 12 May 2020 16:40

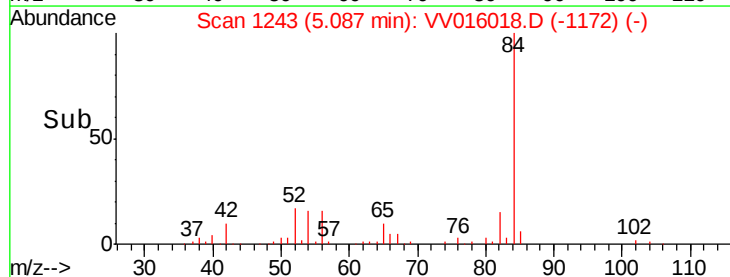
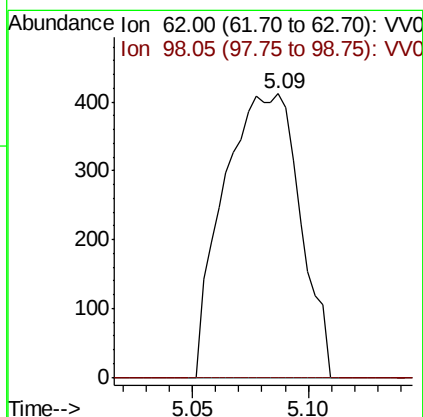
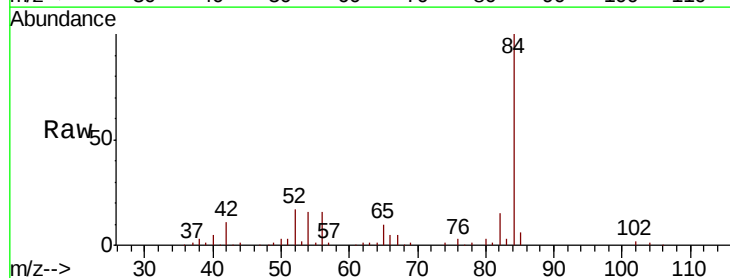
Instrument :
MSVOA_V
ClientSampleId :

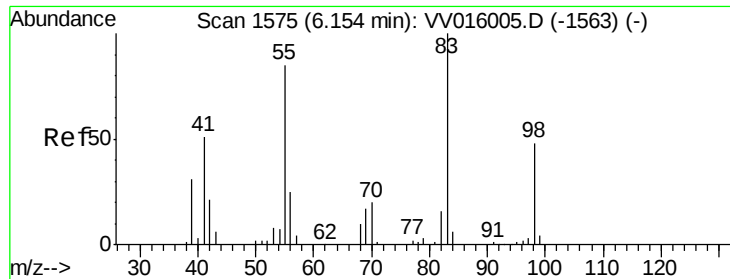
Tot Ion: 83 Resp: 17006
Ion Ratio Lower Upper
83 100
85 62.0 45.7 84.9



#27
1,2-Dichloroethane
Concen: 0.088 ug/L
RT: 5.09 min Scan# 1243
Delta R.T. -0.07 min
Lab File: VV016018.D
Acq: 12 May 2020 16:40

Tgt Ion: 62 Resp: 939
Ion Ratio Lower Upper
62 100
98 0.0 6.7 10.1#

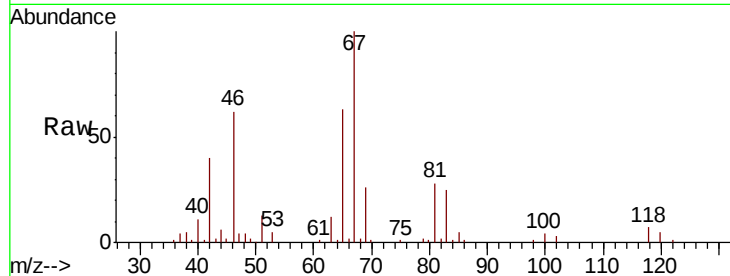




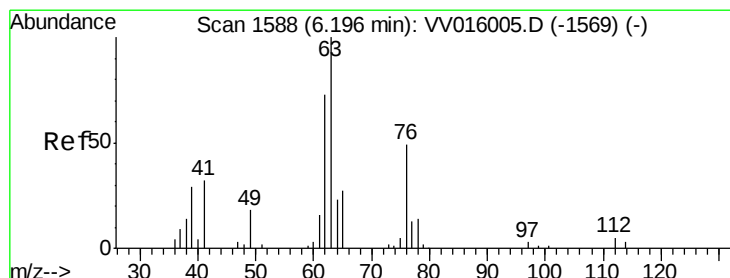
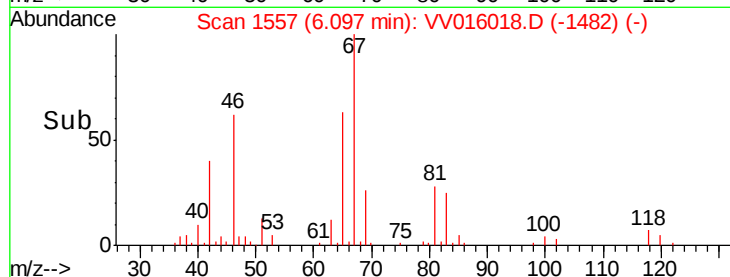
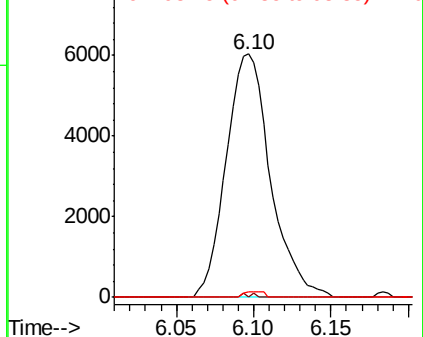
#35
Methvlcvclohexane
Concen: 0.821 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.06 min
Lab File: VV016018.D
Acq: 12 May 2020 16:40

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 12039
Ion Ratio Lower Upper
83 100
55 0.3 66.2 99.2#
98 1.1 37.9 56.9#

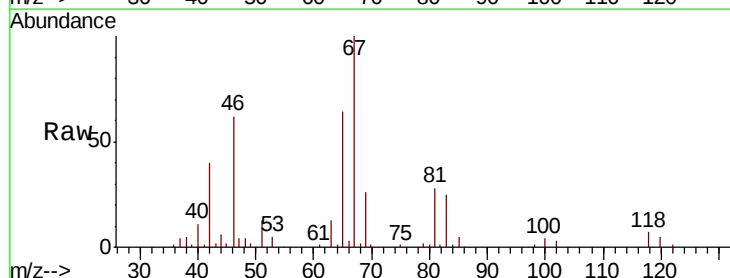


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

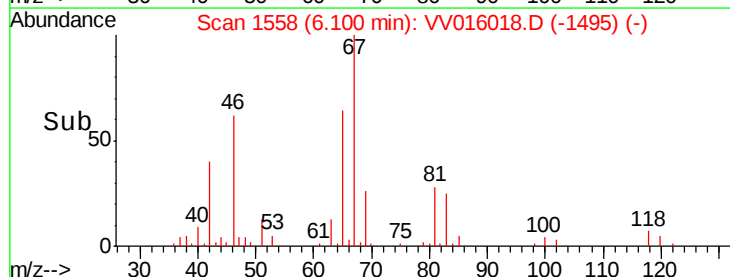
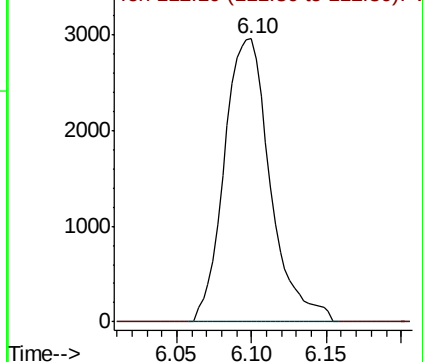


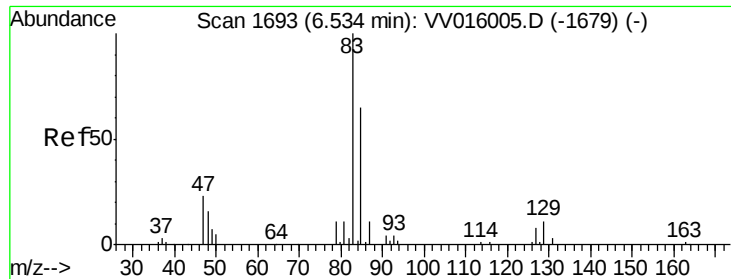
#37
1,2-Dichloropropane
Concen: 0.734 ug/L
RT: 6.10 min Scan# 1558
Delta R.T. -0.10 min
Lab File: VV016018.D
Acq: 12 May 2020 16:40

Tgt Ion: 63 Resp: 6335
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 112.10 (111.80 to 112.80): V





#38

Bromodichloromethane

Concen: 0.049 ug/L

RT: 6.55 min Scan# 1697

Delta R.T. 0.01 min

Lab File: VV016018.D

Acq: 12 May 2020 16:40

Instrument :

MSVOA_V

ClientSampleId :

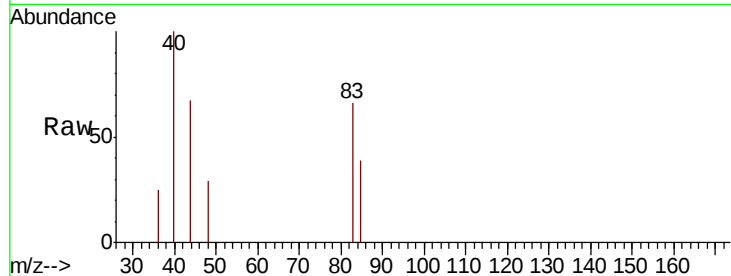
Tot Ion: 83 Resp: 533

Ion Ratio Lower Upper

83 100

85 59.2 45.5 84.5

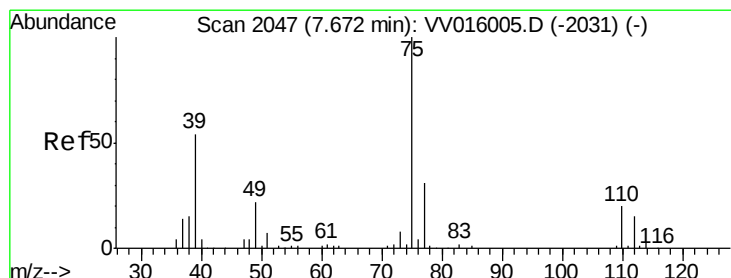
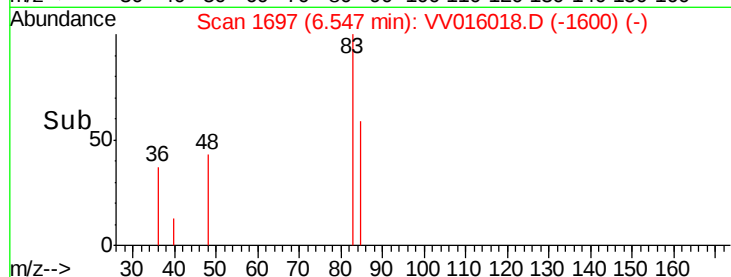
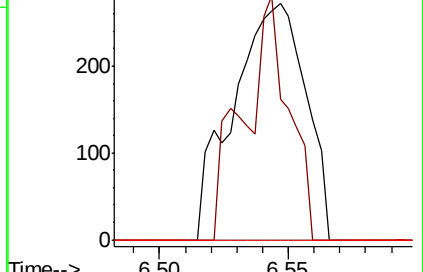
127 0.0 6.2 9.4#



Abundance Ion 82.95 (82.65 to 83.65): VV016018.D (-1697) (-)

Ion 85.00 (84.70 to 85.70): VV016018.D (-1697) (-)

Ion 126.90 (126.60 to 127.60): VV016018.D (-1697) (-)



#46

trans-1,3-Dichloropropene

Concen: 0.051 ug/L

RT: 7.65 min Scan# 2039

Delta R.T. -0.03 min

Lab File: VV016018.D

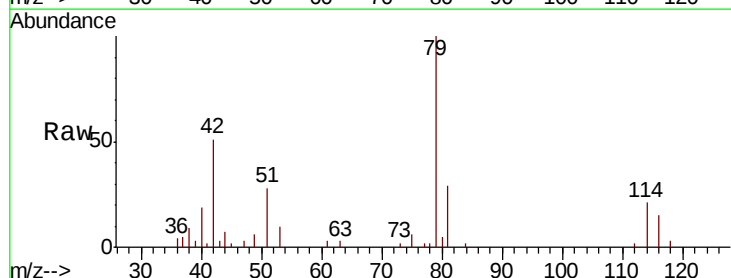
Acq: 12 May 2020 16:40

Tgt Ion: 75 Resp: 525

Ion Ratio Lower Upper

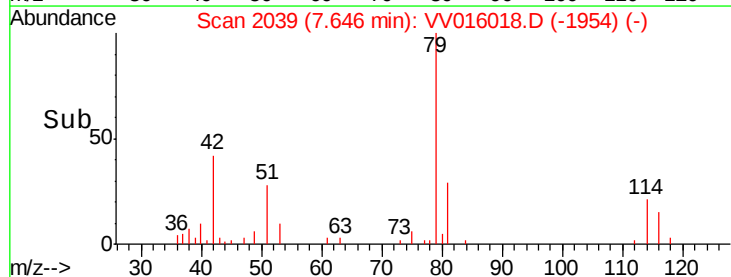
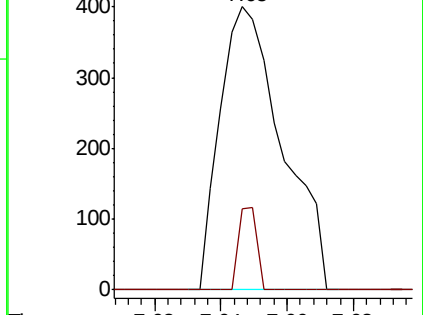
75 100

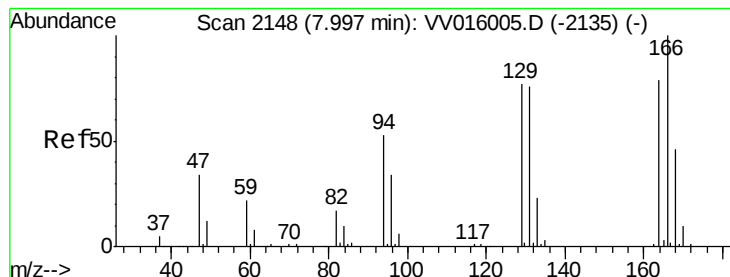
77 28.7 21.3 39.6



Abundance Ion 75.05 (74.75 to 75.75): VV016018.D (-1954) (-)

Ion 77.05 (76.75 to 77.75): VV016018.D (-1954) (-)





#49

Tetrachloroethene

Concen: 1.352 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VV016018.D

Acq: 12 May 2020 16:40

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:164 Resp: 9143

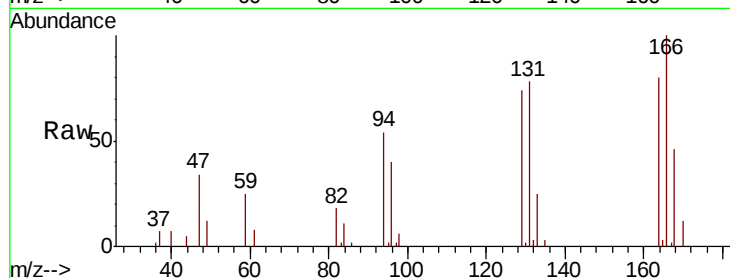
Ion Ratio Lower Upper

164 100

129 91.6 69.7 129.4

131 96.5 66.8 124.2

166 124.5 89.1 165.5

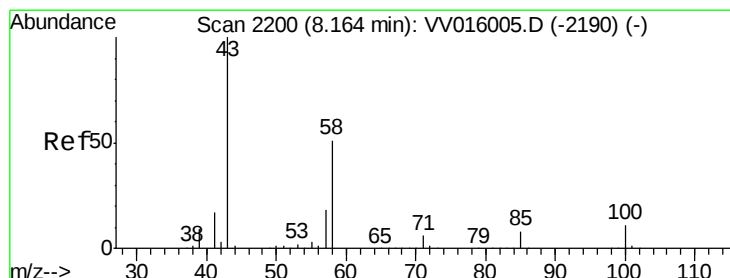
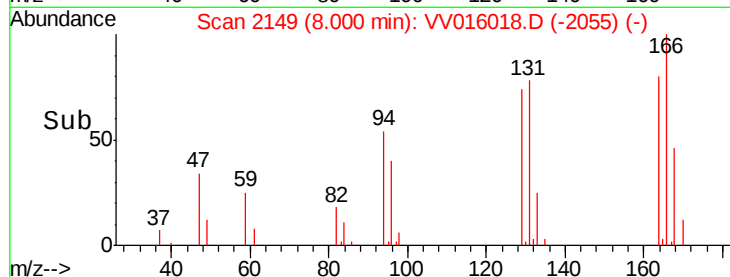
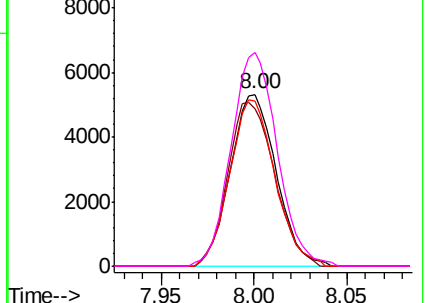


Abundance Ion 163.90 (163.60 to 164.60): V

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: 1.534 ug/L

RT: 8.17 min Scan# 2202

Delta R.T. 0.01 min

Lab File: VV016018.D

Acq: 12 May 2020 16:40

Tgt Ion: 43 Resp: 5833

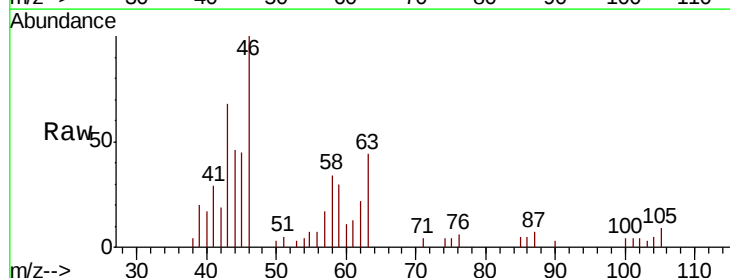
Ion Ratio Lower Upper

43 100

58 48.6 40.8 61.2

57 0.0 14.7 22.1#

100 5.5 9.0 13.6#

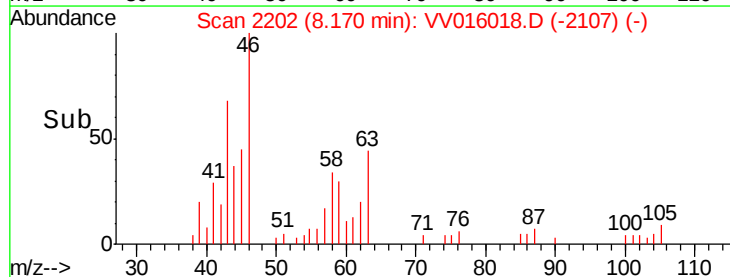
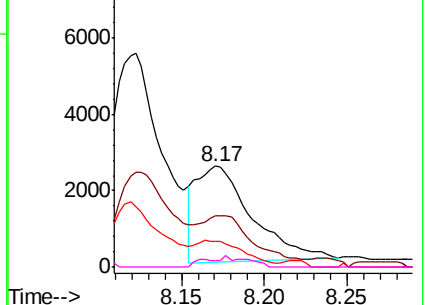


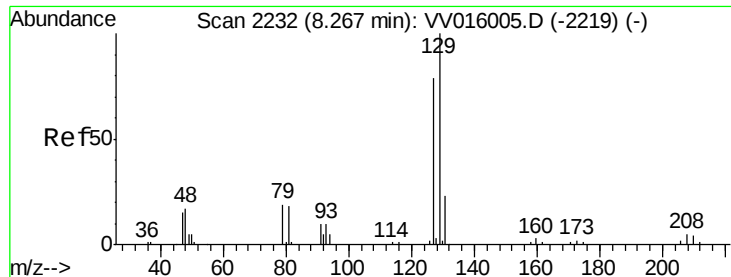
Abundance Ion 43.05 (42.75 to 43.75): VV0

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: 1.354 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.27 min

Lab File: VV016018.D

Acq: 12 May 2020 16:40

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:129 Resp: 8765

Ion Ratio Lower Upper

129 100

127 0.0 56.0 104.0#

