

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051220\
 Data File : VV016026.D
 Acq On : 12 May 2020 20:08
 Operator : SY/MD
 Sample : L2542-08
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 13 06:59:53 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	131903	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	132389	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	60220	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	26942	3.76	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.20%
7) Chloroethane-d5	1.58	69	29192	4.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.00%
11) 1,1-Dichloroethene-d2	2.12	63	46364	3.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.20%
20) 2-Butanone-d5	3.93	46	101598	49.77	ug/L	-0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.54%
24) Chloroform-d	4.38	84	67484	4.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.20%
26) 1,2-Dichloroethane-d4	5.06	65	44064	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.20%
32) Benzene-d6	5.08	84	142127	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.20%
36) 1,2-Dichloropropane-d6	6.10	67	46527	4.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.80%
41) Toluene-d8	7.34	98	124936	4.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.00%
45) trans-1,3-Dichloropropene-	7.65	79	13277	3.52	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	70.40%
48) 2-Hexanone-d5	8.12	63	72515	43.74	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.48%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	32401	4.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.80%
65) 1,2-Dichlorobenzene-d4	11.65	152	48803	4.99	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.80%

Target Compounds

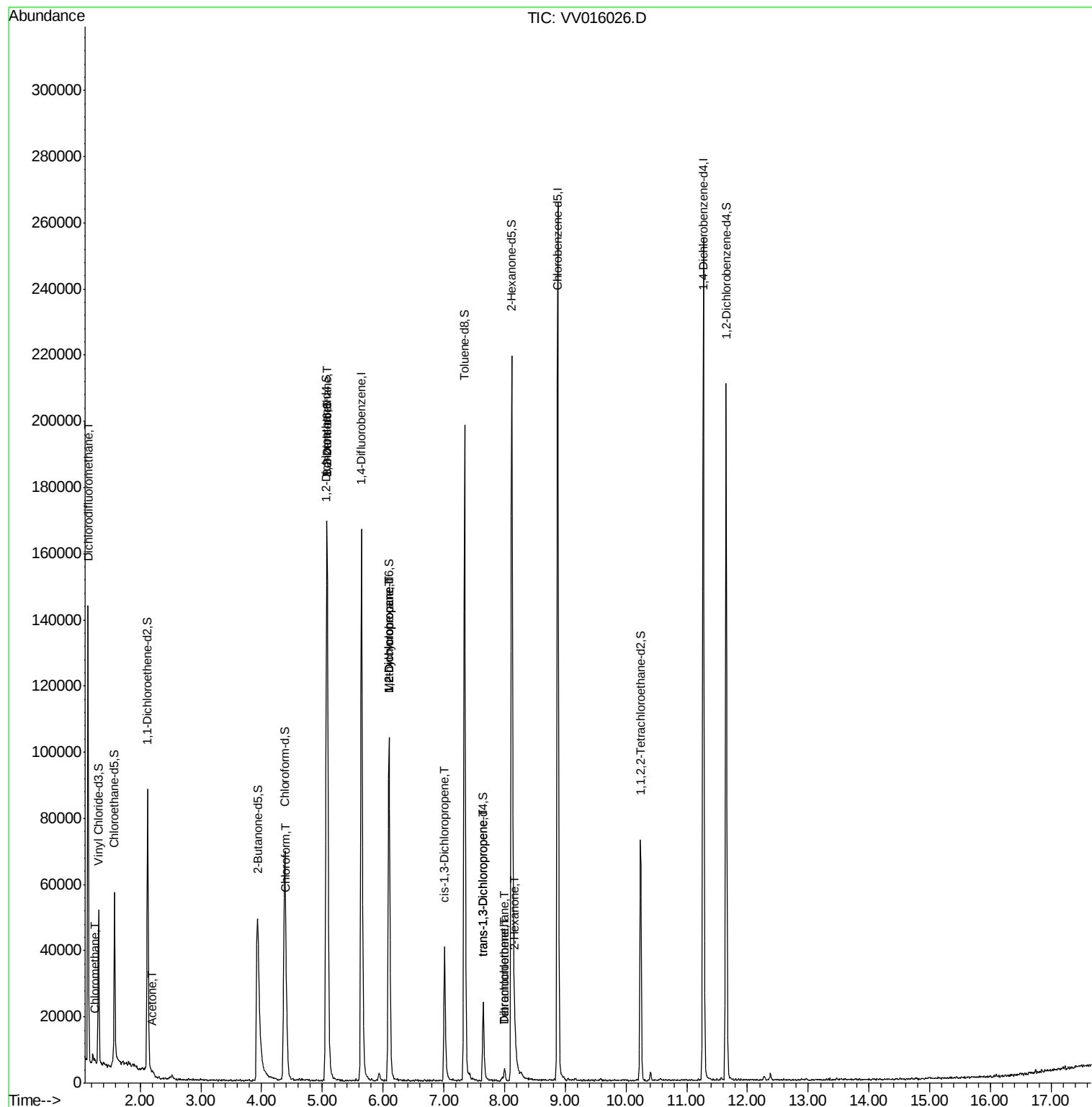
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	1568	0.155	ug/L	93
3) Chloromethane	1.25	50	759	0.074	ug/L #	76
13) Acetone	2.21	43	1741	1.293	ug/L	94
25) Chloroform	4.41	83	11620	0.683	ug/L	93
27) 1,2-Dichloroethane	5.08	62	929	0.089	ug/L #	76
35) Methylcyclohexane	6.10	83	11590	0.806	ug/L #	16
37) 1,2-Dichloropropane	6.09	63	5868	0.693	ug/L #	87
39) cis-1,3-Dichloropropene	7.02	75	1097	0.092	ug/L #	61
46) trans-1,3-Dichloropropene	7.65	75	766	0.076	ug/L #	78
49) Tetrachloroethene	8.00	164	810	0.122	ug/L	90
50) 2-Hexanone	8.17	43	4834	1.296	ug/L #	79
51) Dibromochloromethane	8.00	129	826	0.130	ug/L #	9

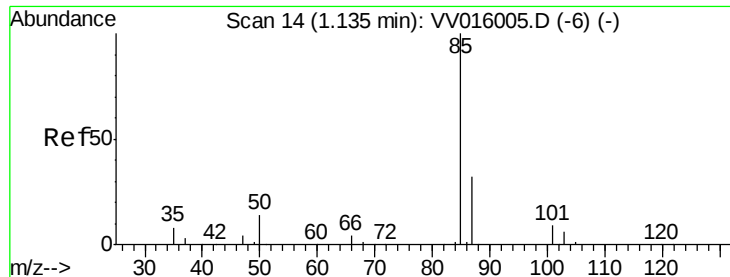
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed May 13 06:55:36 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.155 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.01 min

Lab File: VV016026.D

Acq: 12 May 2020 20:08

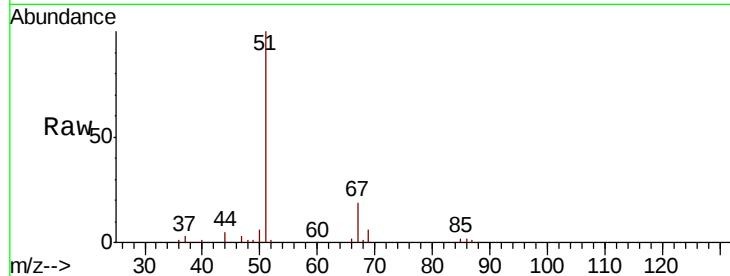
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 1568

Ion Ratio Lower Upper

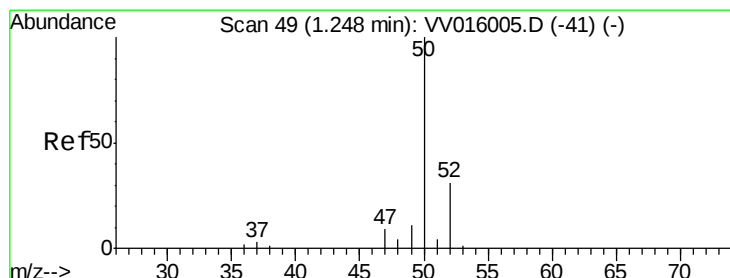
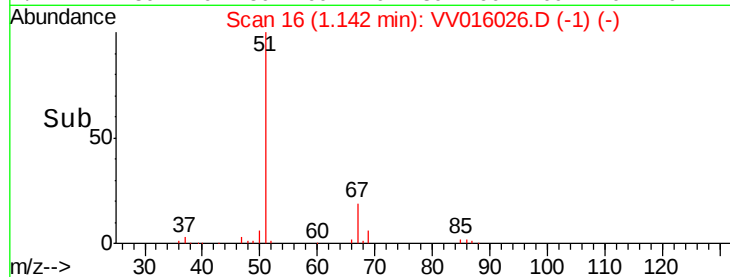
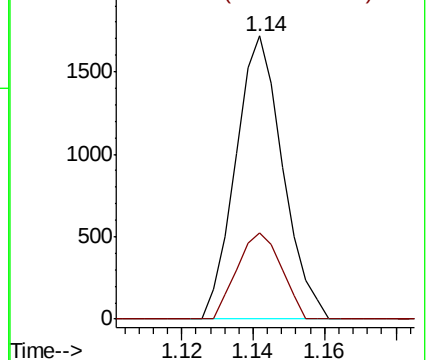
85 100

87 28.8 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: 0.074 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV016026.D

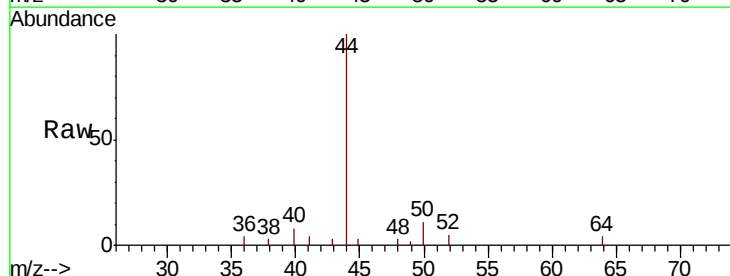
Acq: 12 May 2020 20:08

Tgt Ion: 50 Resp: 759

Ion Ratio Lower Upper

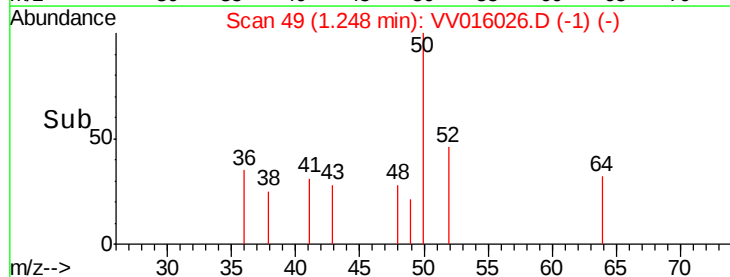
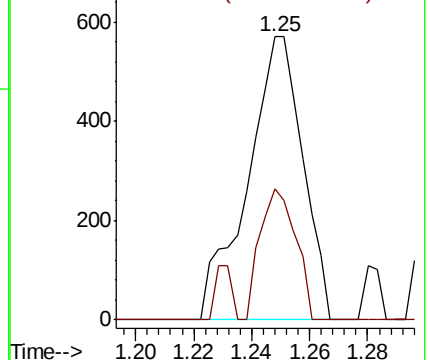
50 100

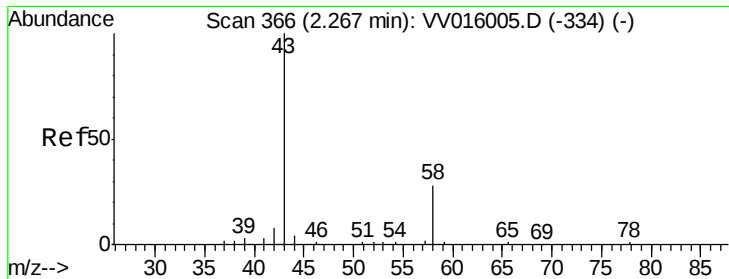
52 46.1 22.8 42.4#



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#13

Acetone

Concen: 1.293 ug/L

RT: 2.21 min Scan# 347

Delta R.T. -0.06 min

Lab File: VV016026.D

Acq: 12 May 2020 20:08

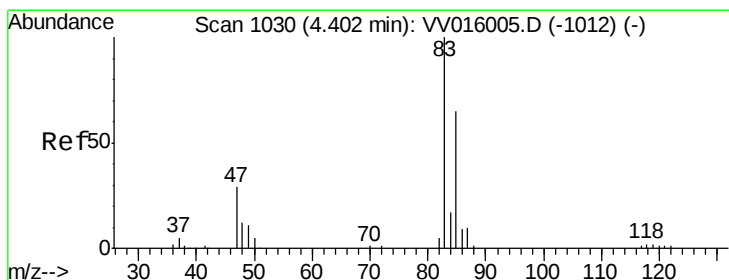
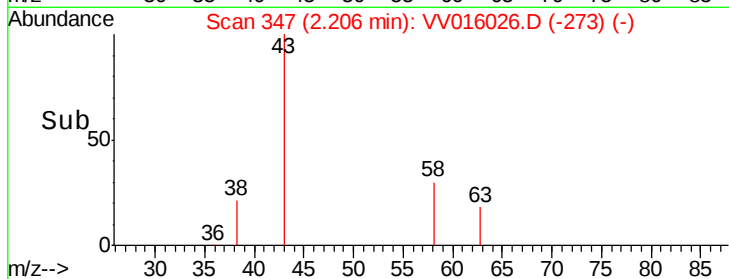
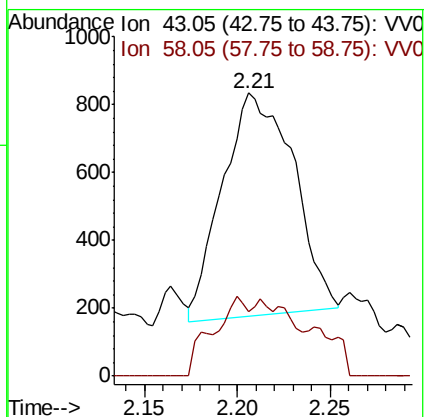
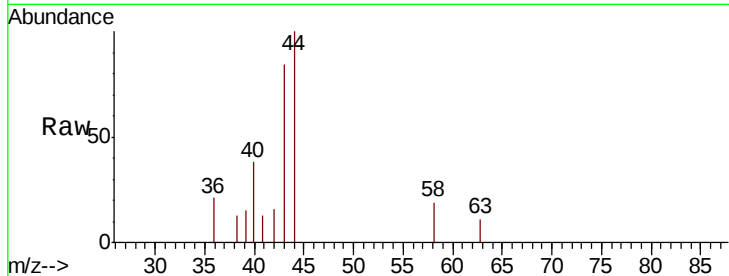
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 1741

Ion Ratio Lower Upper

43 100

58 17.9 0.0 30.8



#25

Chloroform

Concen: 0.683 ug/L

RT: 4.41 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VV016026.D

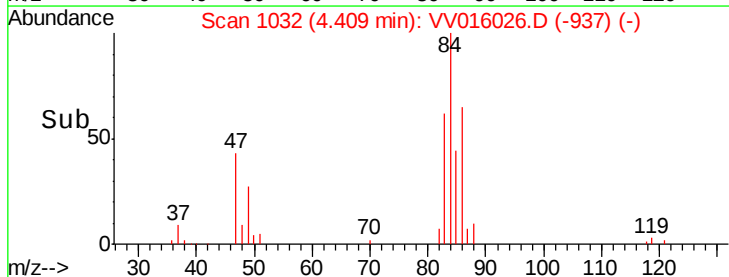
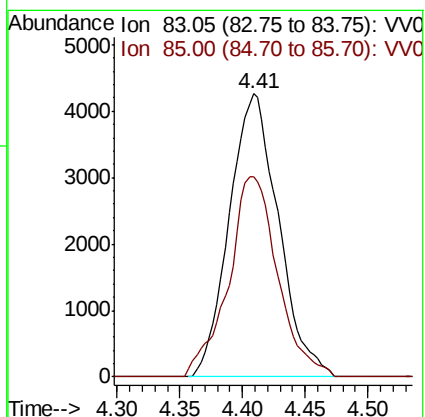
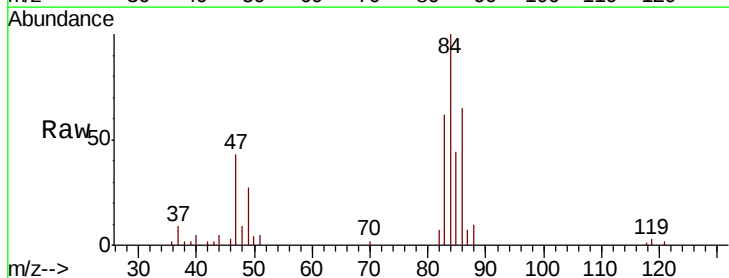
Acq: 12 May 2020 20:08

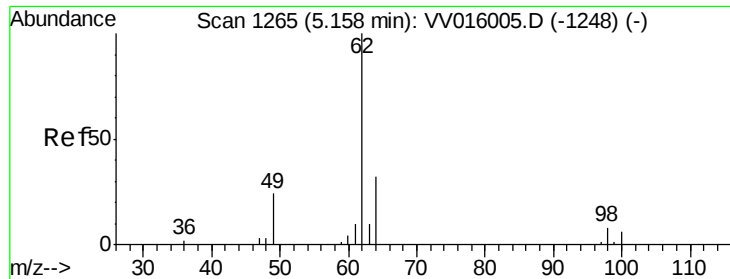
Tgt Ion: 83 Resp: 11620

Ion Ratio Lower Upper

83 100

85 70.9 45.7 84.9

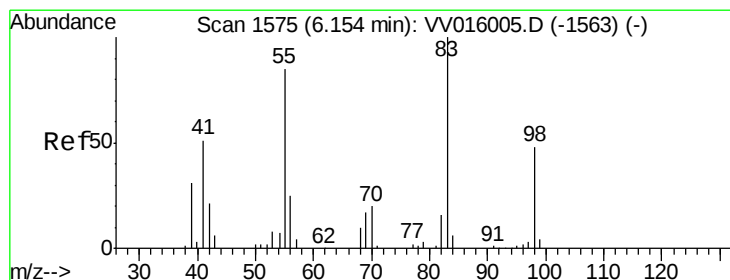
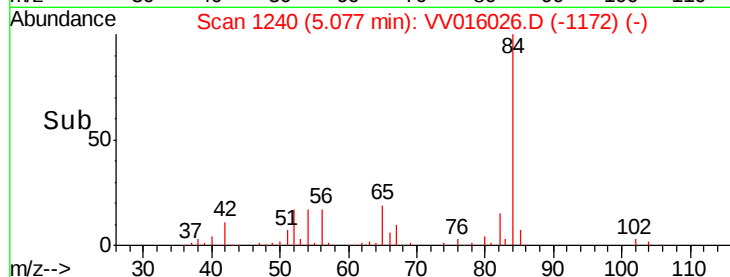
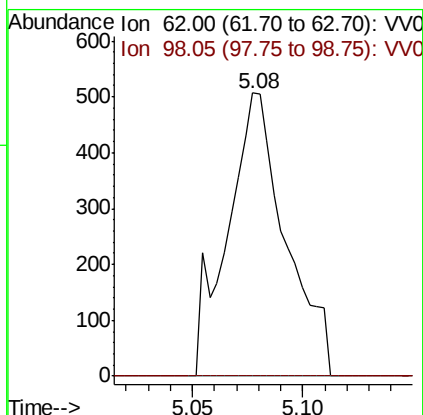
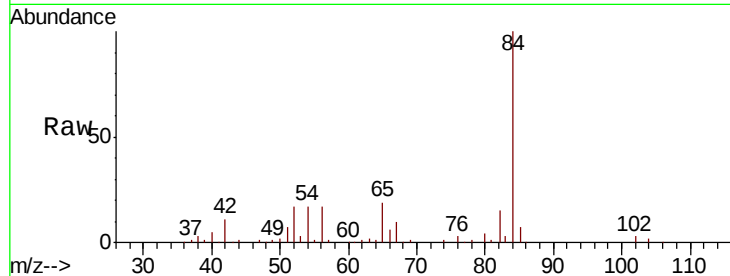




#27
 1,2-Dichloroethane
 Concen: 0.089 ug/L
 RT: 5.08 min Scan# 1240
 Delta R.T. -0.08 min
 Lab File: VV016026.D
 Acq: 12 May 2020 20:08

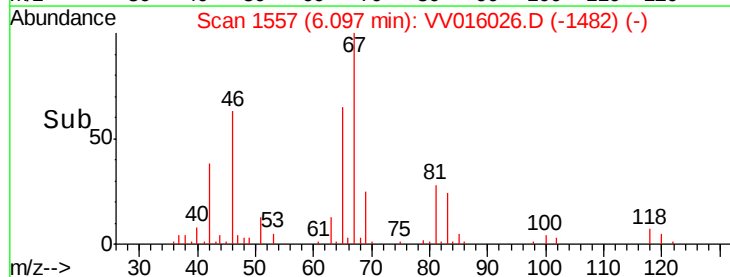
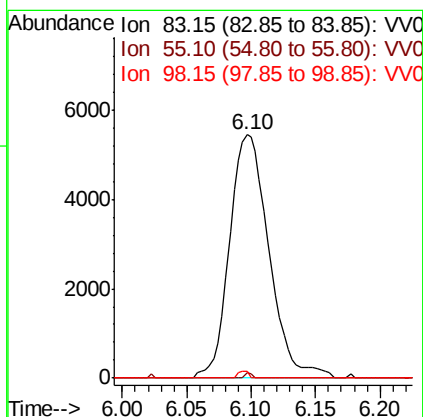
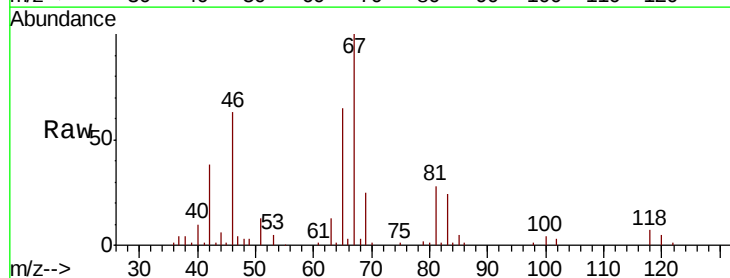
Instrument :
 MSVOA_V
 ClientSampleId :

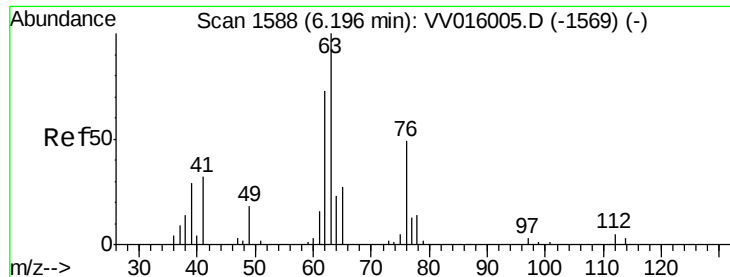
Tot Ion: 62 Resp: 929
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.7 10.1#



#35
 Methylcyclohexane
 Concen: 0.806 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.06 min
 Lab File: VV016026.D
 Acq: 12 May 2020 20:08

Tgt Ion: 83 Resp: 11590
 Ion Ratio Lower Upper
 83 100
 55 0.4 66.2 99.2#
 98 0.7 37.9 56.9#

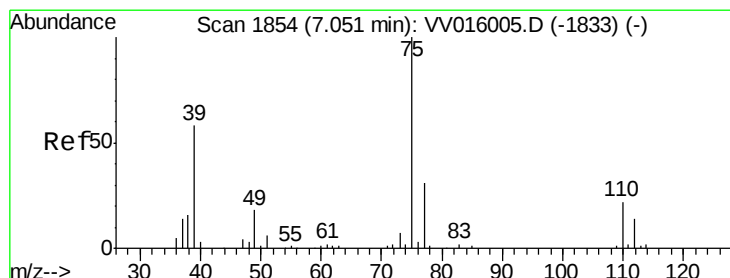
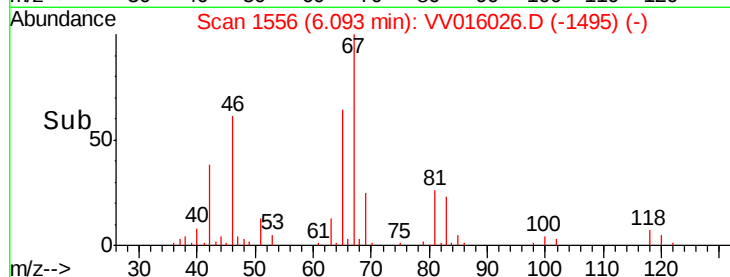
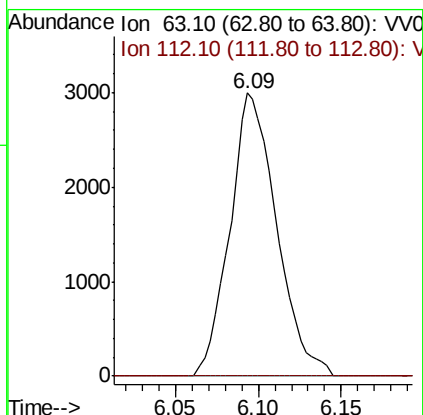
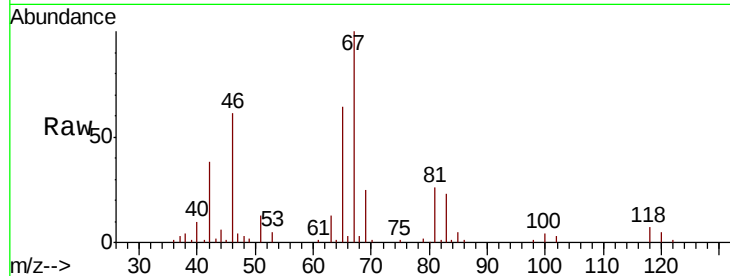




#37
 1,2-Dichloropropane
 Concen: 0.693 ug/L
 RT: 6.09 min Scan# 1556
 Delta R.T. -0.10 min
 Lab File: VV016026.D
 Acq: 12 May 2020 20:08

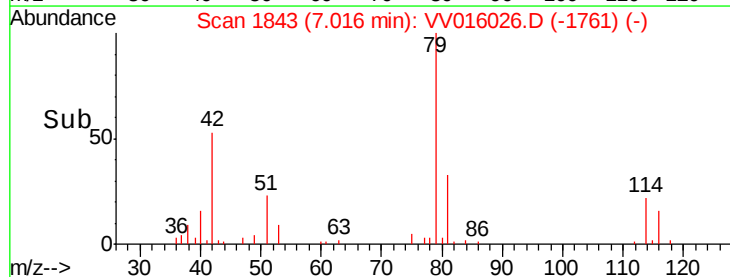
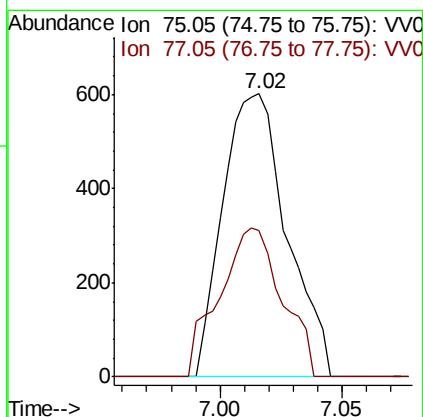
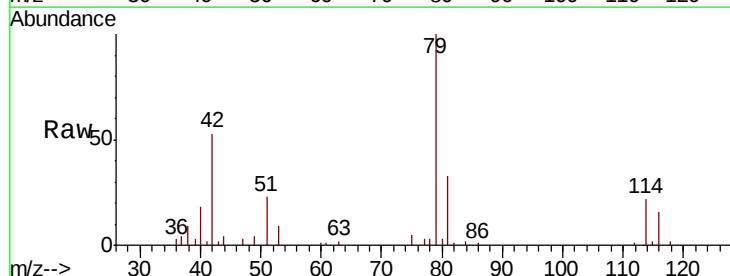
Instrument :
 MSVOA_V
 ClientSampleId :

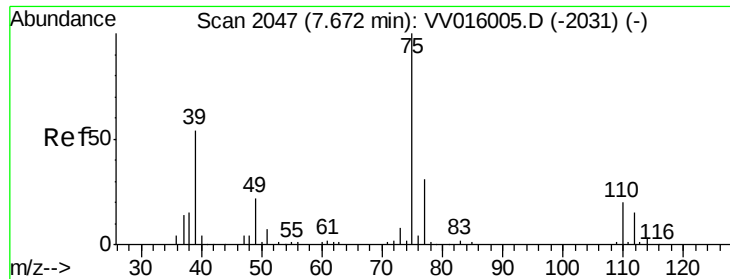
Tot Ion: 63 Resp: 5868
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.0#



#39
 cis-1,3-Dichloropropene
 Concen: 0.092 ug/L
 RT: 7.02 min Scan# 1843
 Delta R.T. -0.04 min
 Lab File: VV016026.D
 Acq: 12 May 2020 20:08

Tgt Ion: 75 Resp: 1097
 Ion Ratio Lower Upper
 75 100
 77 51.8 21.3 39.5#





#46

trans-1,3-Dichloropropene

Concen: 0.076 ug/L

RT: 7.65 min Scan# 2041

Delta R.T. -0.02 min

Lab File: VV016026.D

Acq: 12 May 2020 20:08

Instrument :

MSVOA_V

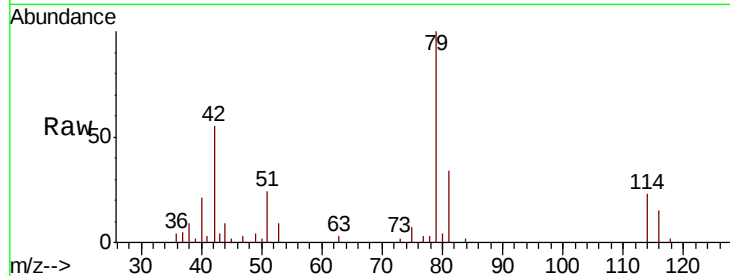
ClientSampled :

Tot Ion: 75 Resp: 766

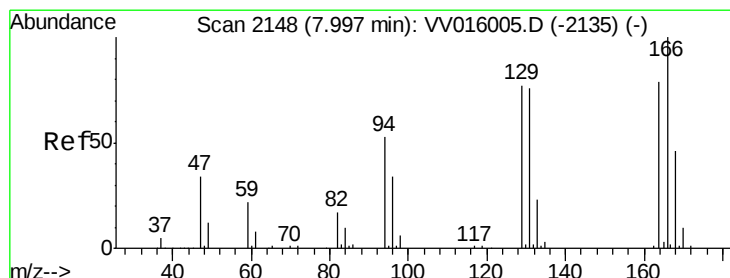
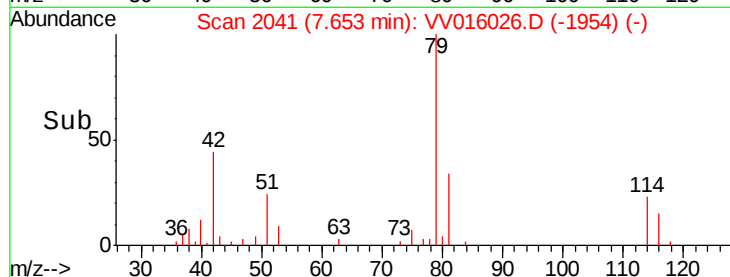
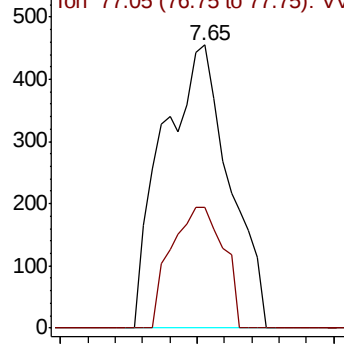
Ion Ratio Lower Upper

75 100

77 42.6 21.3 39.6#



Abundance Ion 75.05 (74.75 to 75.75): VV016005.D (-2031) (-)



#49

Tetrachloroethene

Concen: 0.122 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VV016026.D

Acq: 12 May 2020 20:08

Tgt Ion: 164 Resp: 810

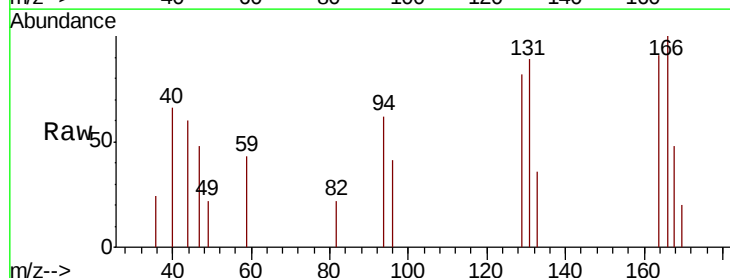
Ion Ratio Lower Upper

164 100

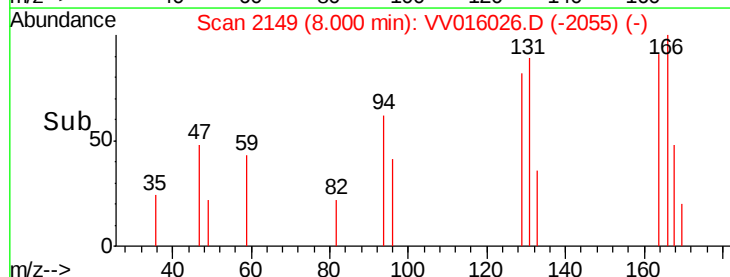
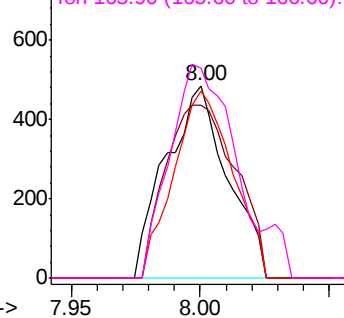
129 89.7 69.7 129.4

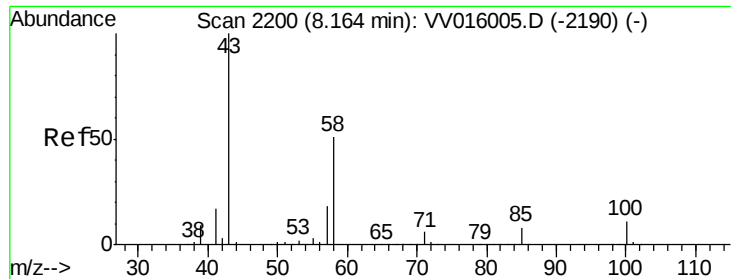
131 97.3 66.8 124.2

166 109.5 89.1 165.5



Abundance Ion 163.90 (163.60 to 164.60): VV016005.D (-2135) (-)

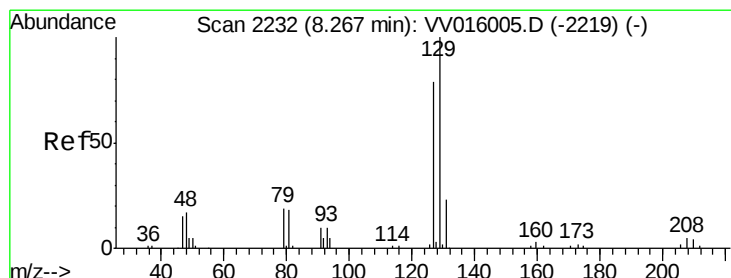
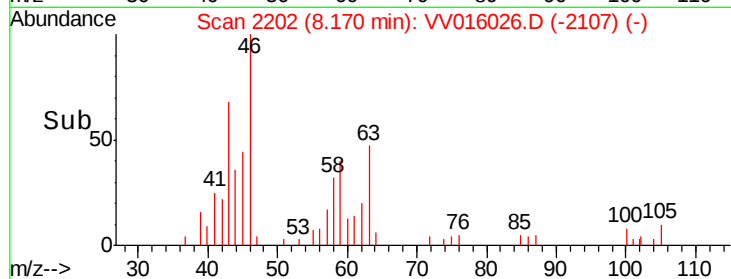
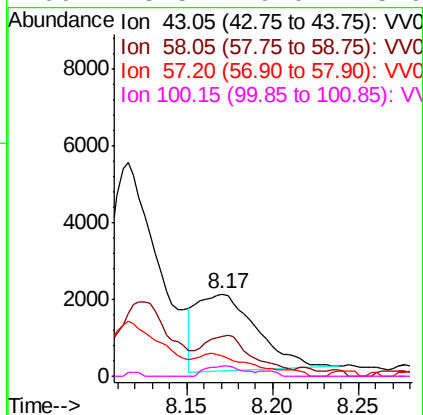
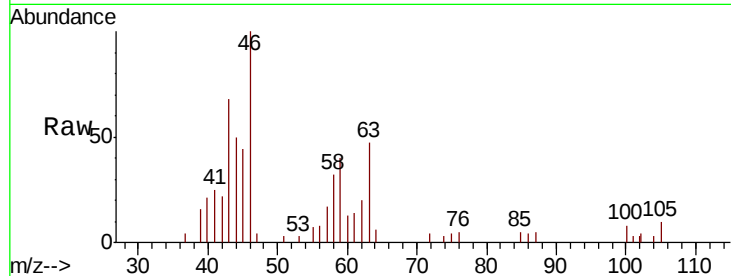




#50
2-Hexanone
Concen: 1.296 ug/L
RT: 8.17 min Scan# 2202
Delta R.T. 0.01 min
Lab File: VV016026.D
Acq: 12 May 2020 20:08

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 4834
Ion Ratio Lower Upper
43 100
58 34.9 40.8 61.2#
57 28.0 14.7 22.1#
100 8.5 9.0 13.6#



#51
Dibromochloromethane
Concen: 0.130 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.27 min
Lab File: VV016026.D
Acq: 12 May 2020 20:08

Tgt Ion: 129 Resp: 826
Ion Ratio Lower Upper
129 100
127 0.0 56.0 104.0#

