

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051420\
 Data File : VV016070.D
 Acq On : 14 May 2020 16:35
 Operator : SY/MD
 Sample : L2598-21
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 15 06:30:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 15 06:27:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	144713	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	142469	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	65402	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	41329	5.26	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	105.20%
7) Chloroethane-d5	1.58	69	41266	5.55	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	111.00%
11) 1,1-Dichloroethene-d2	2.13	63	62796	3.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.40%
20) 2-Butanone-d5	3.93	46	123492	55.14	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.28%
24) Chloroform-d	4.38	84	86312	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.60%
26) 1,2-Dichloroethane-d4	5.06	65	50310	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.20%
32) Benzene-d6	5.08	84	176134	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.00%
36) 1,2-Dichloropropane-d6	6.10	67	55723	5.39	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.80%
41) Toluene-d8	7.34	98	150318	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
45) trans-1,3-Dichloropropene-	7.65	79	18536	4.56	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.20%
48) 2-Hexanone-d5	8.12	63	95884	53.74	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.48%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	39825	5.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.40%
65) 1,2-Dichlorobenzene-d4	11.65	152	60214	5.67	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.23	50	5493	0.489	ug/L #	75
8) Chloroethane	1.50	64	19462	2.544	ug/L #	50
12) 1,1-Dichloroethene	2.13	96	598	0.075	ug/L #	1
13) Acetone	2.21	43	4192	2.838	ug/L #	60
15) Methyl Acetate	2.55	43	54313	15.910	ug/L #	51
25) Chloroform	4.41	83	6957	0.373	ug/L	98
27) 1,2-Dichloroethane	5.07	62	1276	0.111	ug/L #	76
30) Cyclohexane	4.70	56	2151	0.137	ug/L #	61
33) Benzene	5.14	78	3173	0.089	ug/L	100
34) Trichloroethene	5.94	95	2099	0.205	ug/L	90
35) Methylcyclohexane	6.10	83	13529	0.874	ug/L #	16
37) 1,2-Dichloropropane	6.10	63	6988	0.767	ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	1597	0.124	ug/L #	74
42) Toluene	7.42	91	5299	0.139	ug/L	91
46) trans-1,3-Dichloropropene	7.65	75	845	0.078	ug/L #	71
49) Tetrachloroethene	8.00	164	48032	6.728	ug/L	99
50) 2-Hexanone	8.12	43	14176	3.532	ug/L #	83

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 15 06:27:04 2020
Response via : Initial Calibration

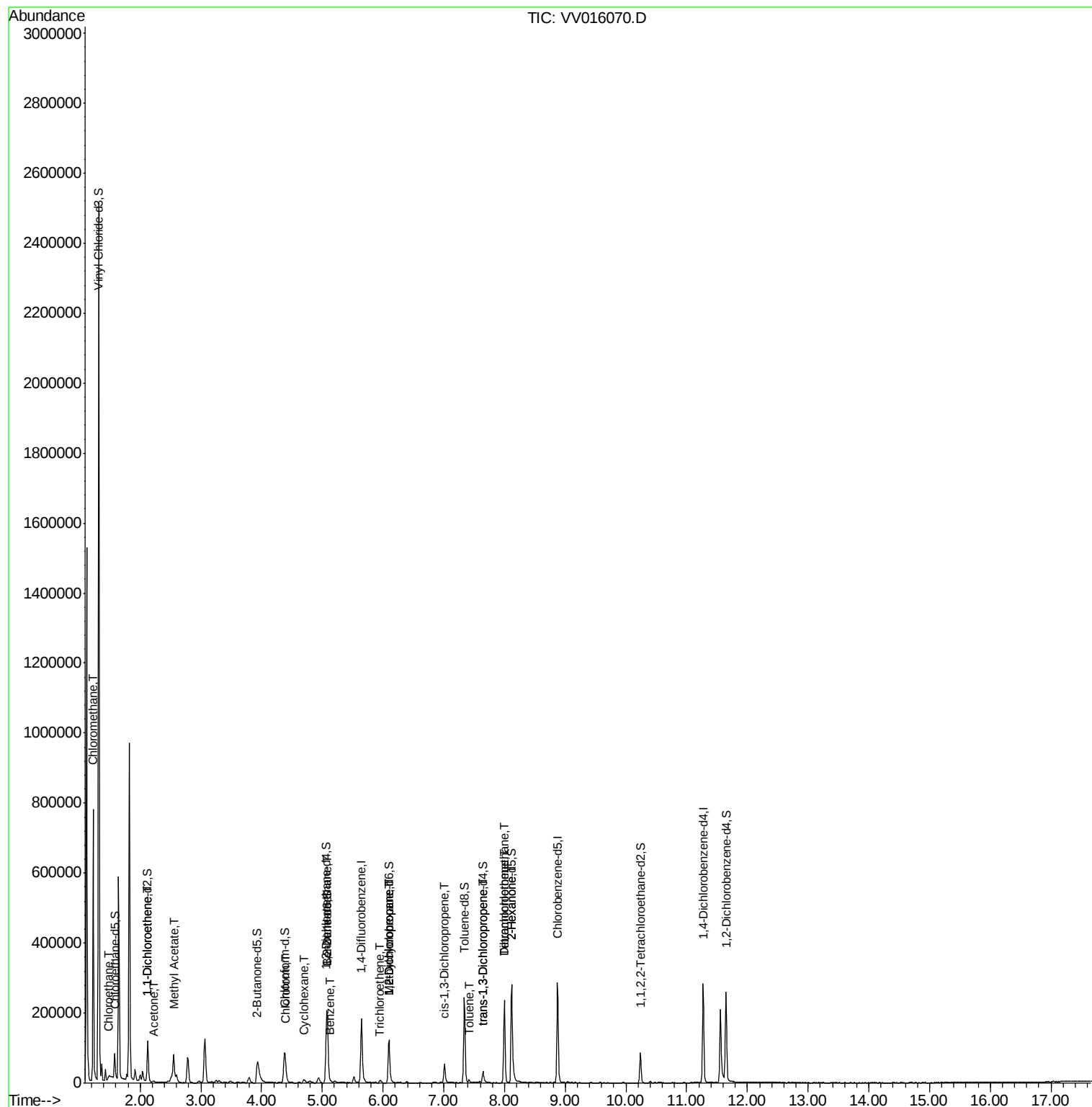
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) Dibromochloromethane	8.00	129	46896	6.863	ug/L #	9

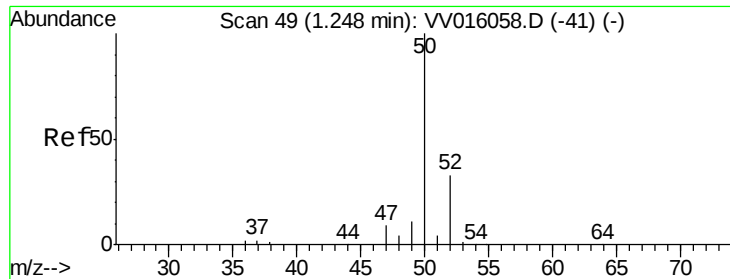
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri May 15 06:27:04 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.489 ug/L

RT: 1.23 min Scan# 42

Delta R.T. -0.02 min

Lab File: VV016070.D

Acq: 14 May 2020 16:35

Instrument :

MSVOA_V

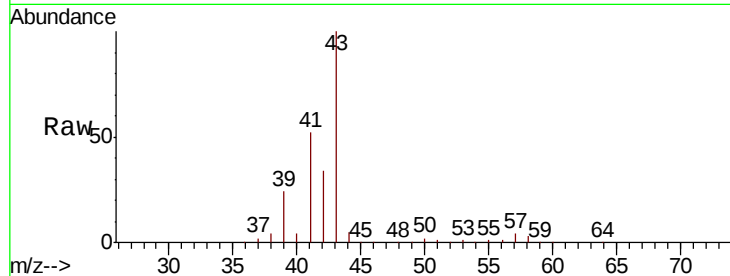
ClientSampleId :

Tot Ion: 50 Resp: 5493

Ion Ratio Lower Upper

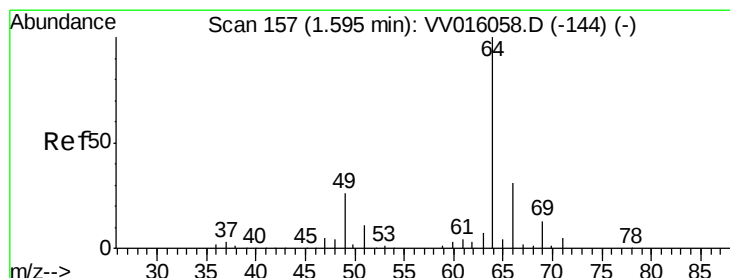
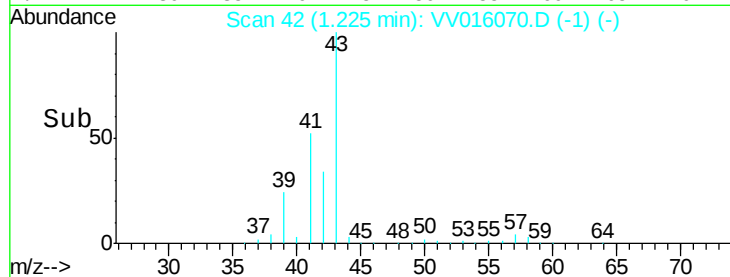
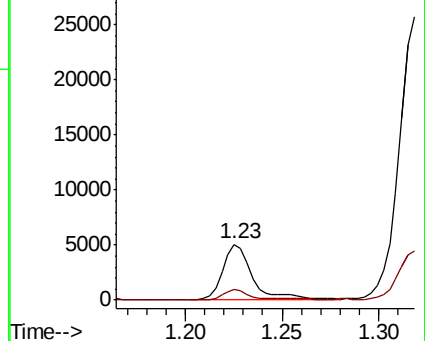
50 100

52 18.6 22.8 42.4#



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



#8

Chloroethane

Concen: 2.544 ug/L

RT: 1.50 min Scan# 126

Delta R.T. -0.10 min

Lab File: VV016070.D

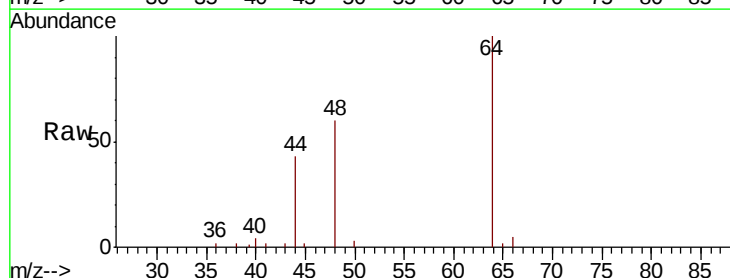
Acq: 14 May 2020 16:35

Tgt Ion: 64 Resp: 19462

Ion Ratio Lower Upper

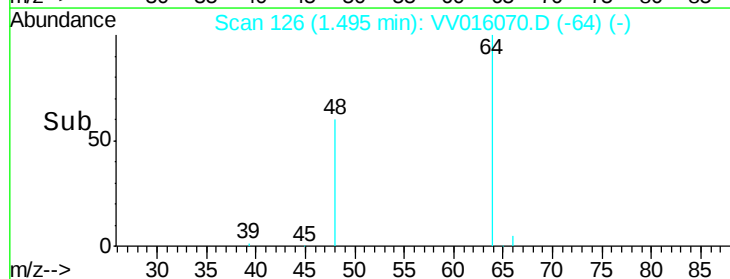
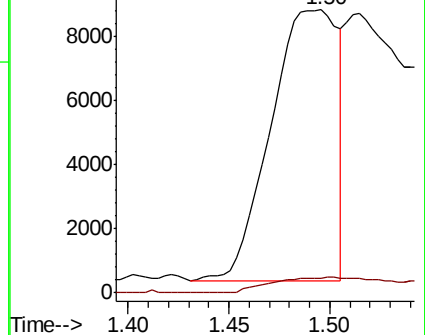
64 100

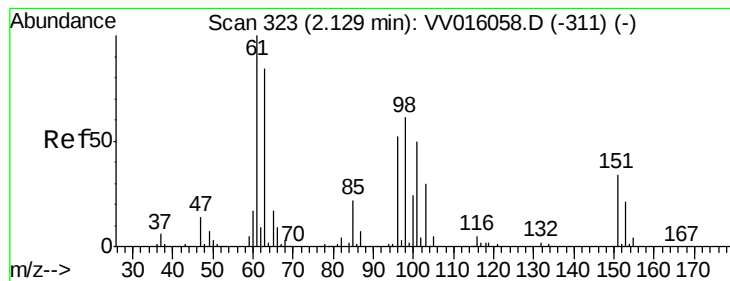
66 5.1 23.6 43.8#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0





#12

1,1-Dichloroethene

Concen: 0.075 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV016070.D

Acq: 14 May 2020 16:35

Instrument :
MSVOA_V
ClientSampled :

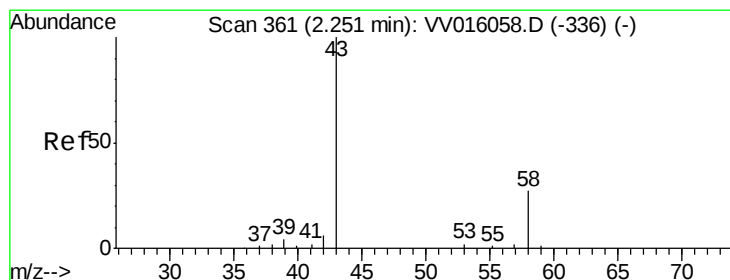
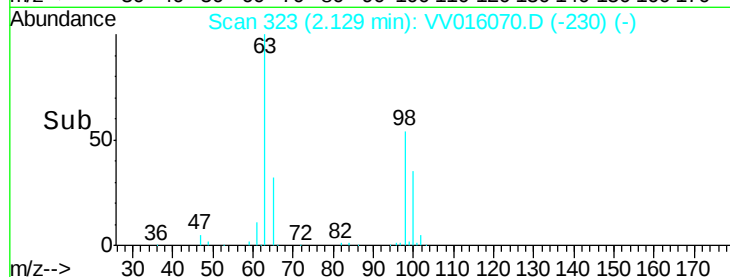
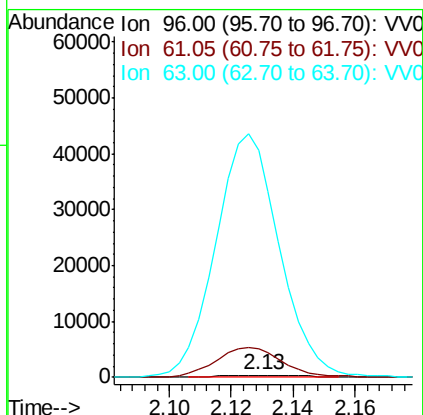
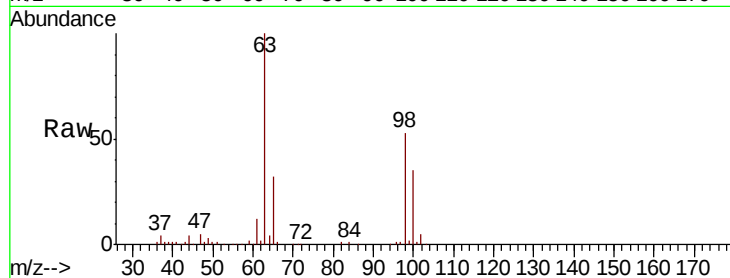
Tot Ion: 96 Resp: 598

Ion Ratio Lower Upper

96 100

61 1442.2 139.9 259.7#

63 11546.4 106.4 197.6#



#13

Acetone

Concen: 2.838 ug/L

RT: 2.21 min Scan# 349

Delta R.T. -0.04 min

Lab File: VV016070.D

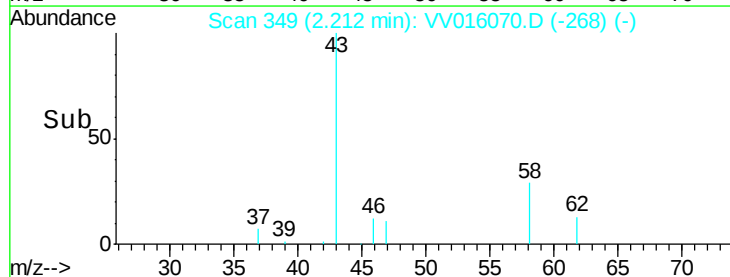
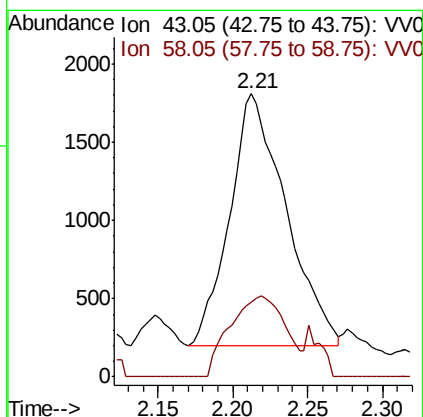
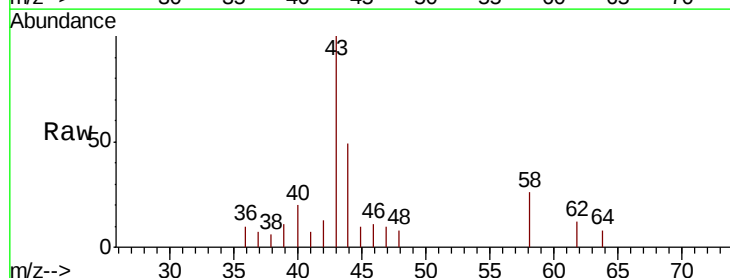
Acq: 14 May 2020 16:35

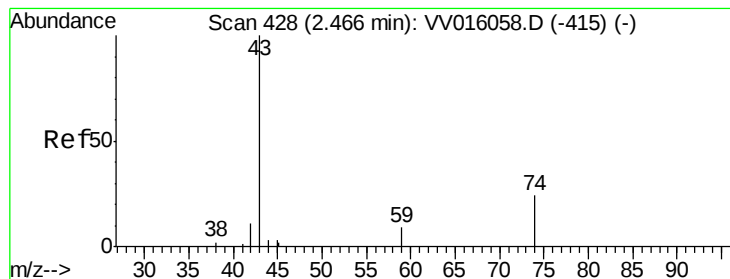
Tgt Ion: 43 Resp: 4192

Ion Ratio Lower Upper

43 100

58 32.3 0.0 30.8#





#15

Methvl Acetate

Concen: 15.910 ug/L

RT: 2.55 min Scan# 455

Delta R.T. 0.09 min

Lab File: VV016070.D

Acq: 14 May 2020 16:35

Instrument :

MSVOA_V

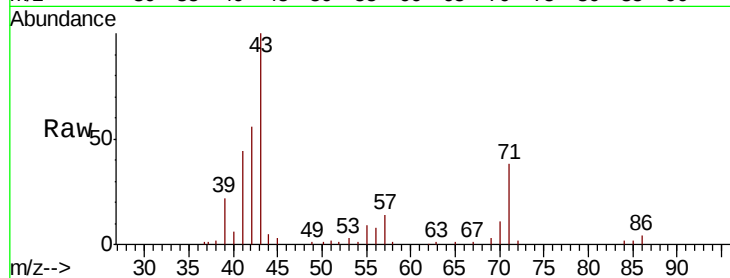
ClientSampleId :

Tot Ion: 43 Resp: 54313

Ion Ratio Lower Upper

43 100

74 0.0 19.2 28.8#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

2.55

25000

20000

15000

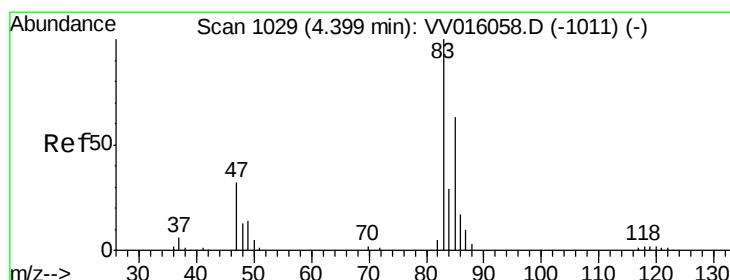
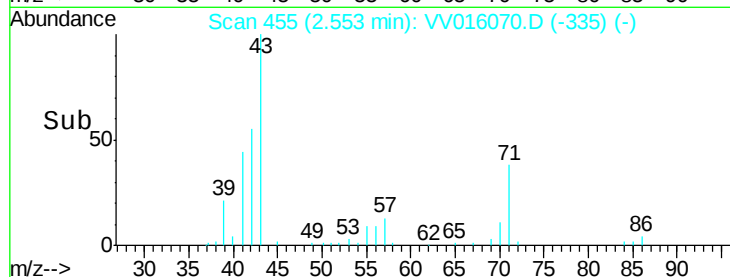
10000

5000

0

Time-->

2.50 2.60



#25

Chloroform

Concen: 0.373 ug/L

RT: 4.41 min Scan# 1033

Delta R.T. 0.01 min

Lab File: VV016070.D

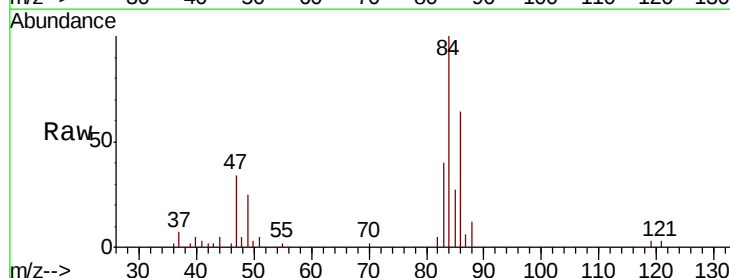
Acq: 14 May 2020 16:35

Tgt Ion: 83 Resp: 6957

Ion Ratio Lower Upper

83 100

85 66.6 45.7 84.9



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0

4.41

3000

2500

2000

1500

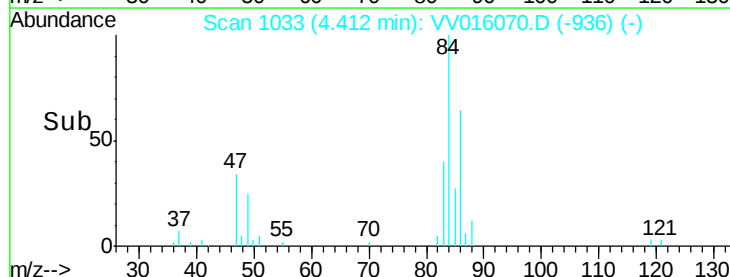
1000

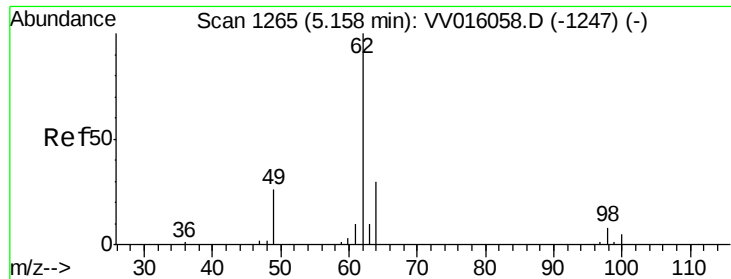
500

0

Time-->

4.30 4.35 4.40 4.45 4.50

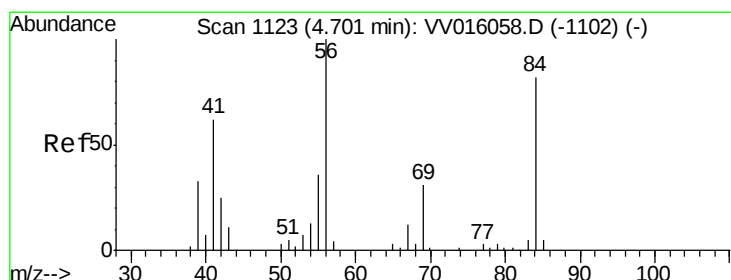
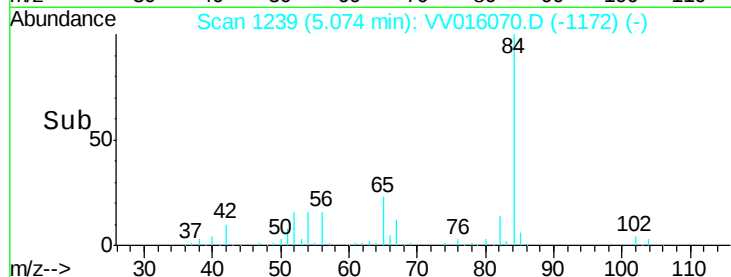
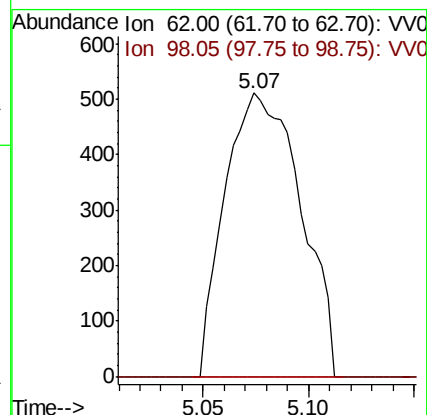
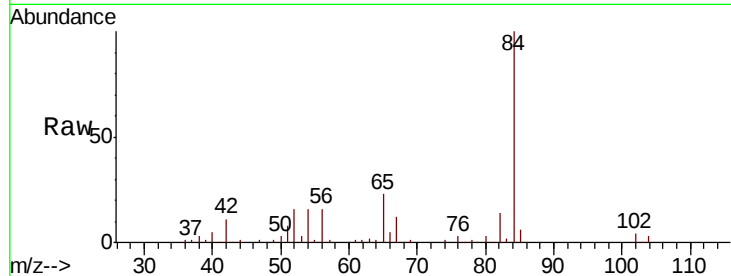




#27
 1,2-Dichloroethane
 Concen: 0.111 ug/L
 RT: 5.07 min Scan# 1239
 Delta R.T. -0.08 min
 Lab File: VV016070.D
 Acq: 14 May 2020 16:35

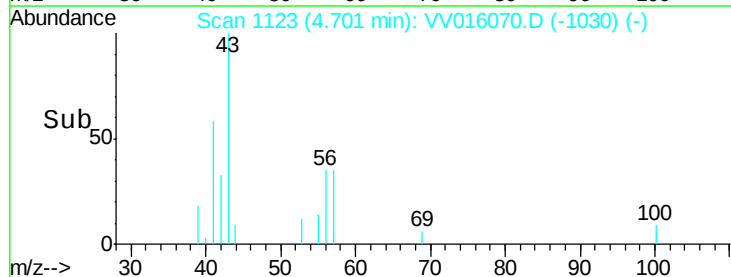
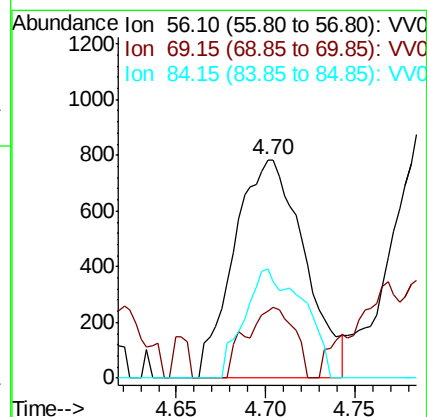
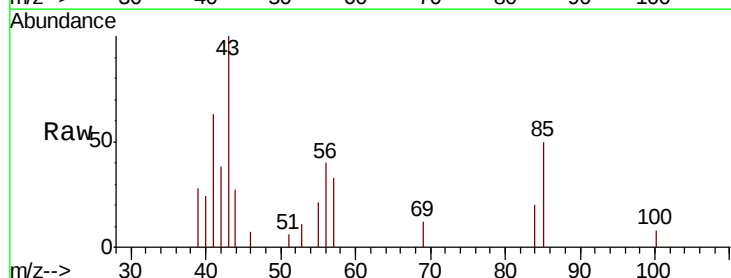
Instrument :
 MSVOA_V
 ClientSampleId :

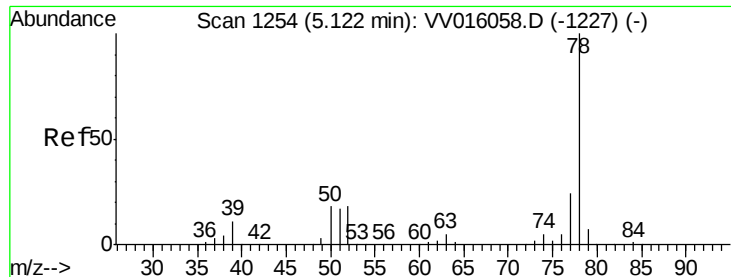
Tot Ion: 62 Resp: 1276
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.7 10.1#



#30
 Cyclohexane
 Concen: 0.137 ug/L
 RT: 4.70 min Scan# 1123
 Delta R.T. 0.00 min
 Lab File: VV016070.D
 Acq: 14 May 2020 16:35

Tgt Ion: 56 Resp: 2151
 Ion Ratio Lower Upper
 56 100
 69 21.9 24.2 36.2#
 84 41.8 68.3 102.5#





#33

Benzene

Concen: 0.089 ug/L

RT: 5.14 min Scan# 1258

Delta R.T. 0.01 min

Lab File: VV016070.D

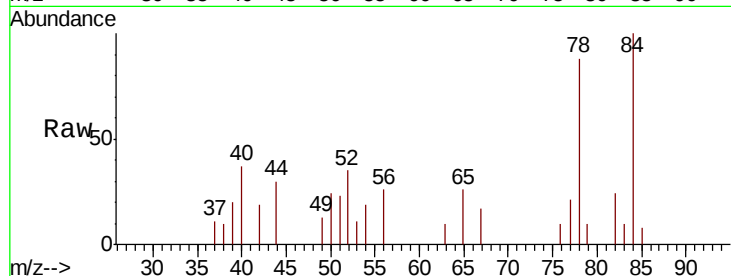
Acq: 14 May 2020 16:35

Instrument :

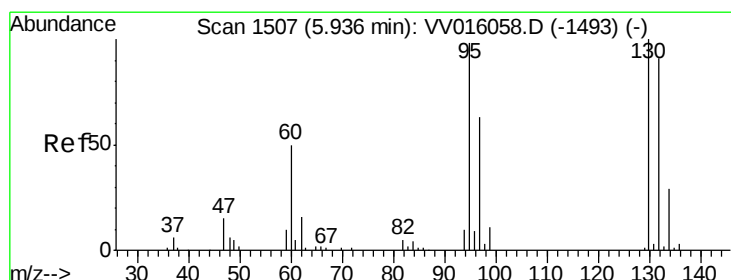
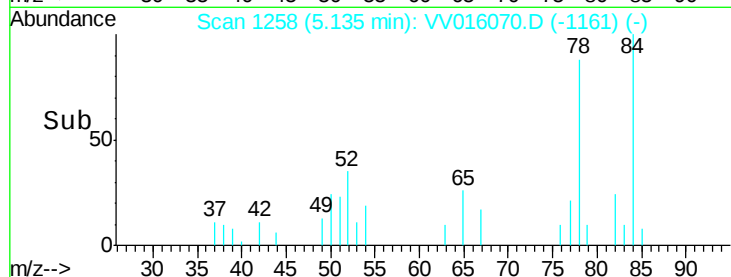
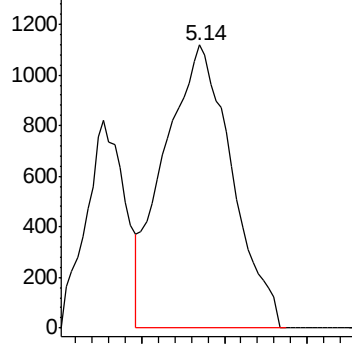
MSVOA_V

ClientSampled :

Tgt Ion: 78 Resp: 3173



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 0.205 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VV016070.D

Acq: 14 May 2020 16:35

Tgt Ion: 95 Resp: 2099

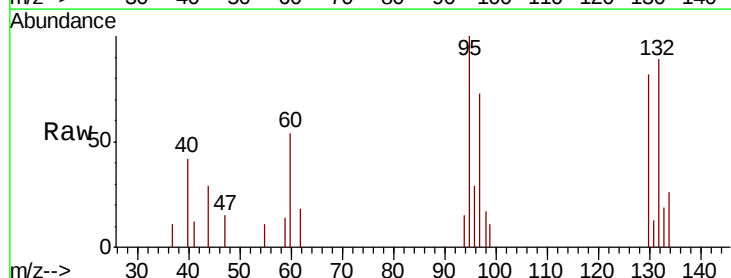
Ion	Ratio	Lower	Upper
95	100		
97	73.2	43.3	80.5
132	89.4	60.3	112.1
130	82.0	66.0	122.6

Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0

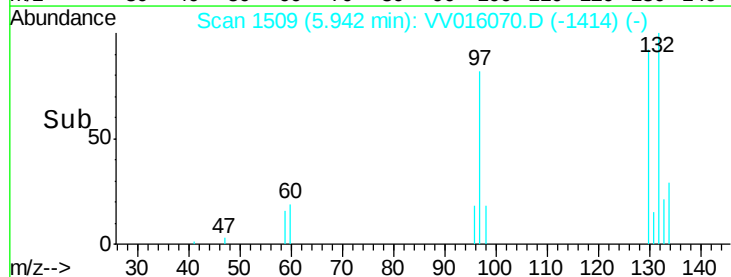


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0

Ion 127.95 (127.65 to 128.65): VV0

Ion 125.95 (125.65 to 126.65): VV0

Ion 123.95 (123.65 to 124.65): VV0

Ion 121.95 (121.65 to 122.65): VV0

Ion 119.95 (119.65 to 120.65): VV0

Ion 117.95 (117.65 to 118.65): VV0

Ion 115.95 (115.65 to 116.65): VV0

Ion 113.95 (113.65 to 114.65): VV0

Ion 111.95 (111.65 to 112.65): VV0

Ion 109.95 (109.65 to 110.65): VV0

Ion 107.95 (107.65 to 108.65): VV0

Ion 105.95 (105.65 to 106.65): VV0

Ion 103.95 (103.65 to 104.65): VV0

Ion 101.95 (101.65 to 102.65): VV0

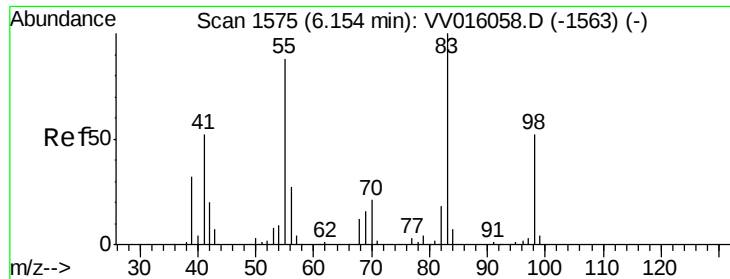
Ion 99.95 (99.65 to 100.65): VV0

Ion 97.95 (97.65 to 98.65): VV0

Ion 95.95 (95.65 to 96.65): VV0

Ion 93.95 (93.65 to 94.65): VV0

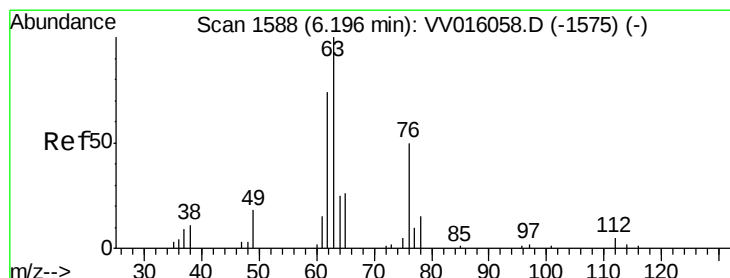
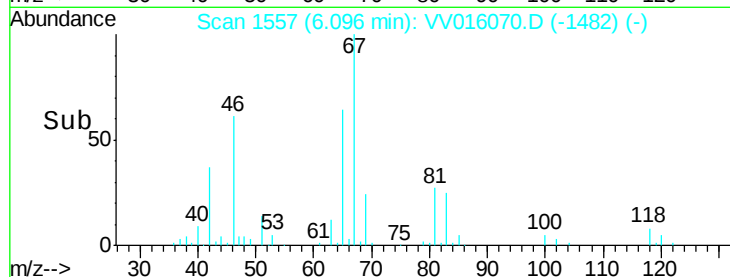
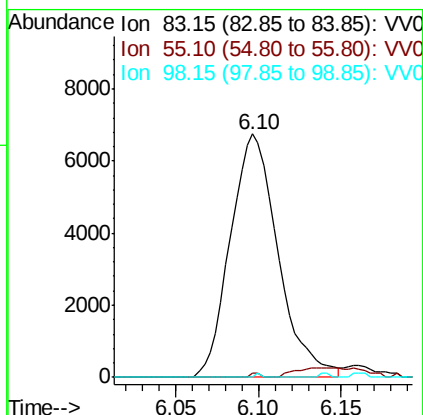
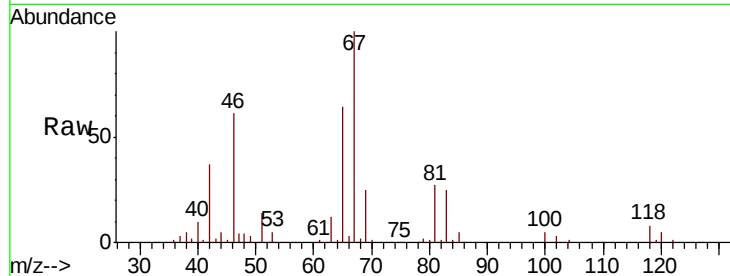
Ion 91.95 (91.65 to 92.65): VV0



#35
Methvlcvclohexane
Concen: 0.874 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.06 min
Lab File: VV016070.D
Acq: 14 May 2020 16:35

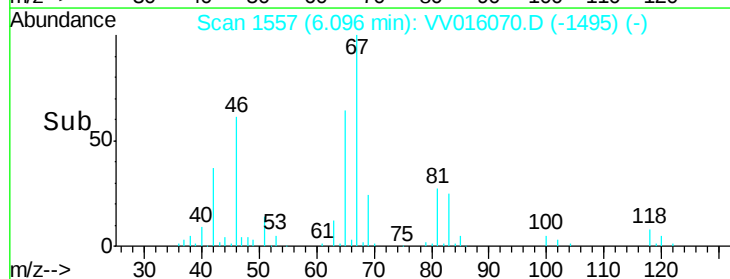
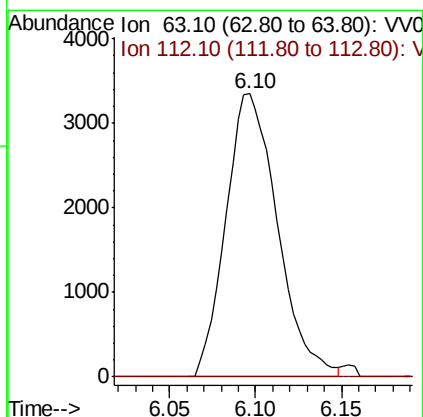
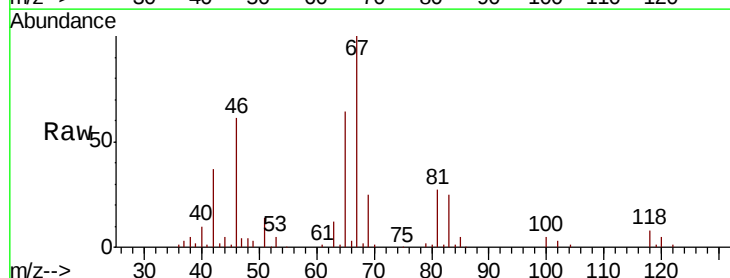
Instrument :
MSVOA_V
ClientSampleId :

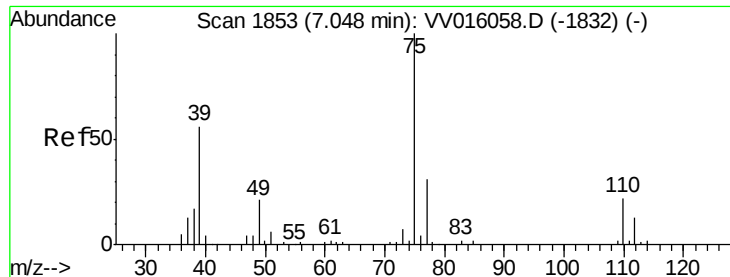
Tot Ion: 83 Resp: 13529
Ion Ratio Lower Upper
83 100
55 0.3 66.2 99.2#
98 0.1 37.9 56.9#



#37
1,2-Dichloropropane
Concen: 0.767 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.10 min
Lab File: VV016070.D
Acq: 14 May 2020 16:35

Tgt Ion: 63 Resp: 6988
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#

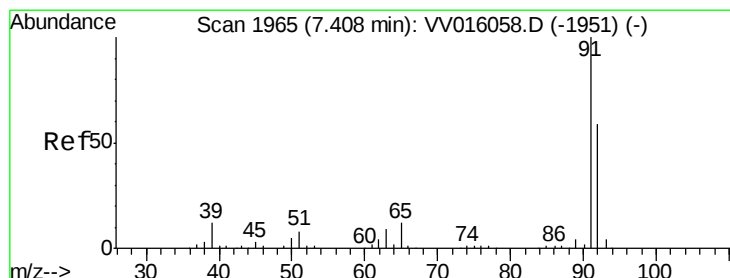
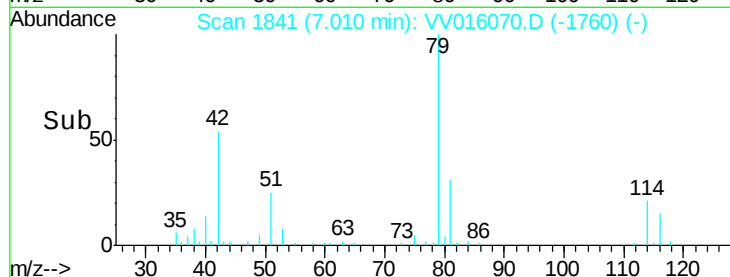
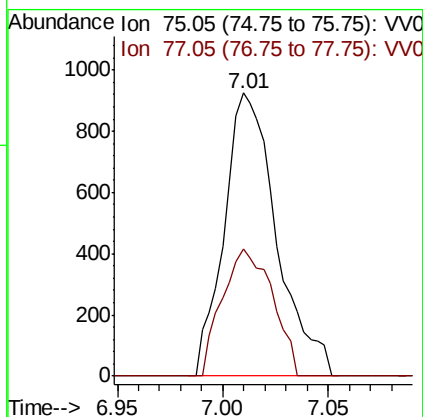
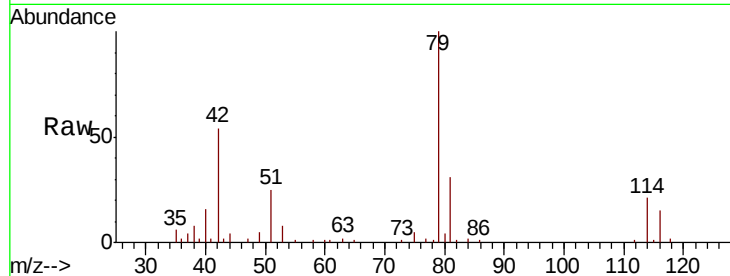




#39
 cis-1,3-Dichloropropene
 Concen: 0.124 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV016070.D
 Acq: 14 May 2020 16:35

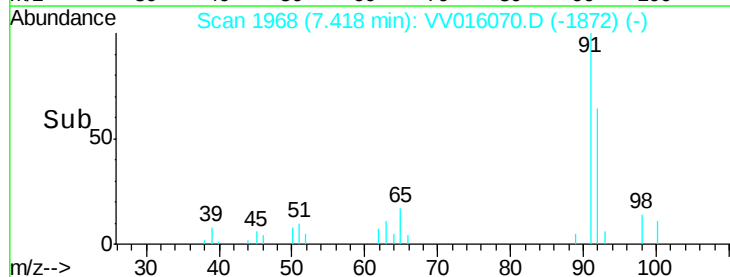
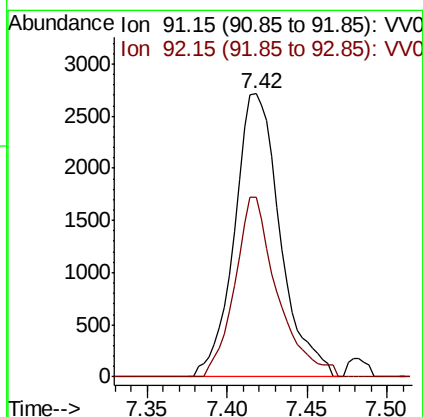
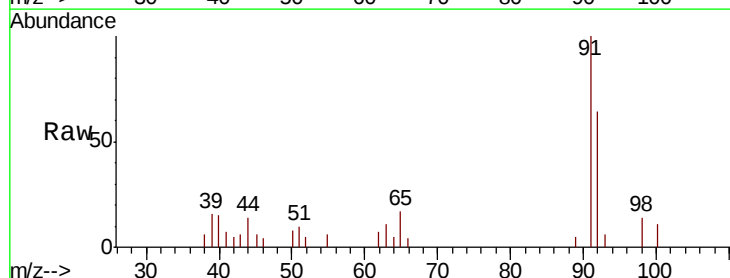
Instrument :
 MSVOA_V
 ClientSampled :

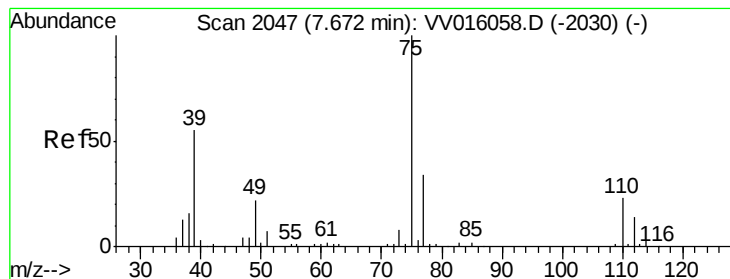
Tot Ion: 75 Resp: 1597
 Ion Ratio Lower Upper
 75 100
 77 44.8 21.3 39.5#



#42
 Toluene
 Concen: 0.139 ug/L
 RT: 7.42 min Scan# 1968
 Delta R.T. 0.01 min
 Lab File: VV016070.D
 Acq: 14 May 2020 16:35

Tgt Ion: 91 Resp: 5299
 Ion Ratio Lower Upper
 91 100
 92 63.7 40.1 74.5





#46

trans-1,3-Dichloropropene

Concen: 0.078 ug/L

RT: 7.65 min Scan# 2039

Delta R.T. -0.03 min

Lab File: VV016070.D

Acq: 14 May 2020 16:35

Instrument :

MSVOA_V

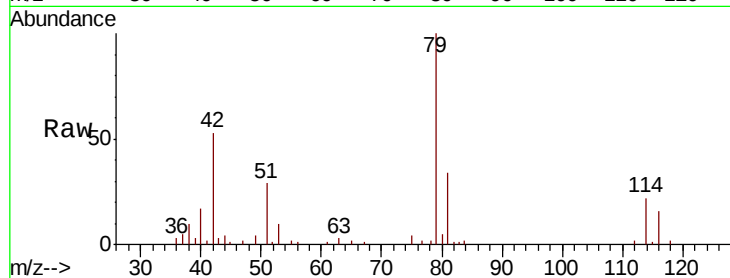
ClientSampleId :

Tot Ion: 75 Resp: 845

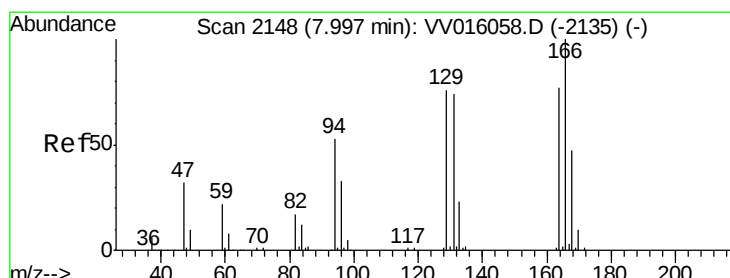
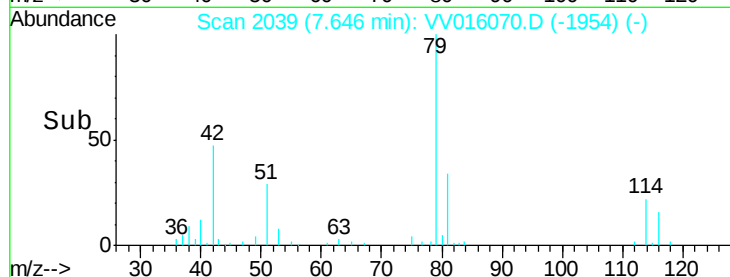
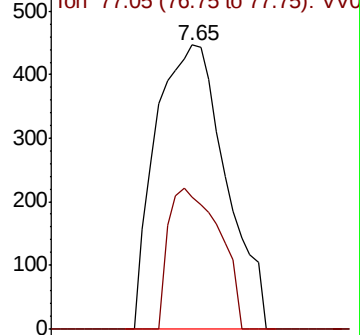
Ion Ratio Lower Upper

75 100

77 46.3 21.3 39.6#



Abundance Ion 75.05 (74.75 to 75.75): VV016070.D (-1954) (-)



#49

Tetrachloroethene

Concen: 6.728 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV016070.D

Acq: 14 May 2020 16:35

Tgt Ion: 164 Resp: 48032

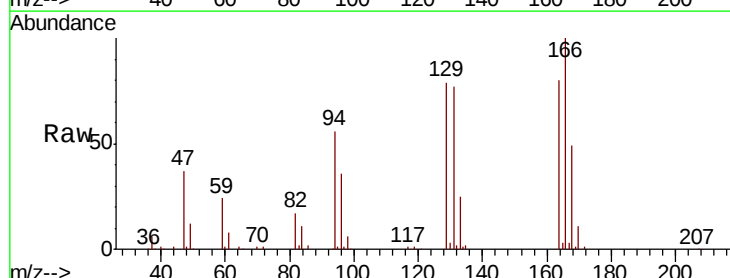
Ion Ratio Lower Upper

164 100

129 99.2 69.7 129.4

131 96.3 66.8 124.2

166 124.8 89.1 165.5

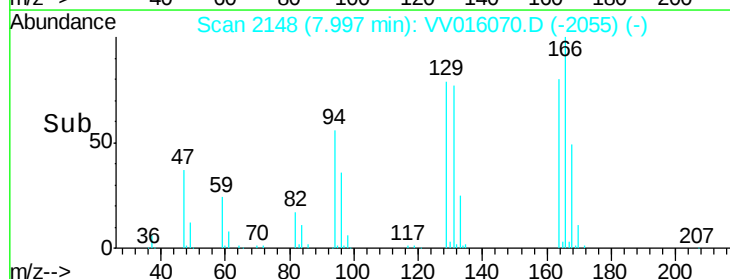
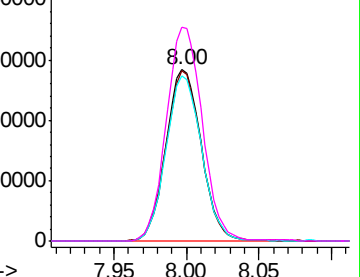


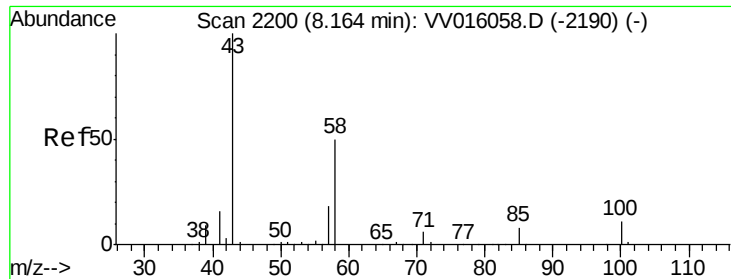
Abundance Ion 163.90 (163.60 to 164.60): VV016070.D (-2055) (-)

Ion 128.95 (128.65 to 129.65): VV016070.D (-2055) (-)

Ion 130.95 (130.65 to 131.65): VV016070.D (-2055) (-)

Ion 165.90 (165.60 to 166.60): VV016070.D (-2055) (-)

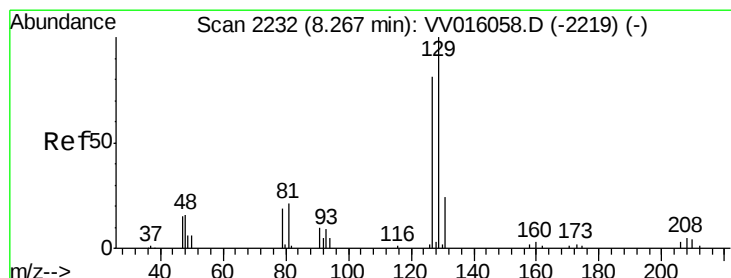
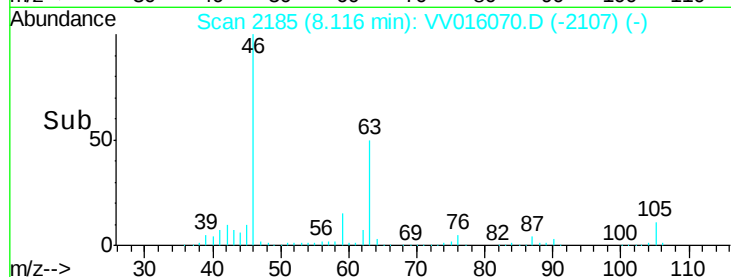
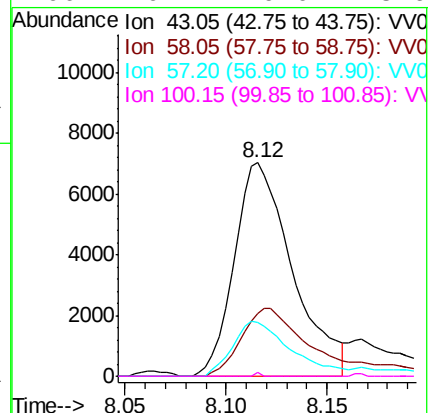
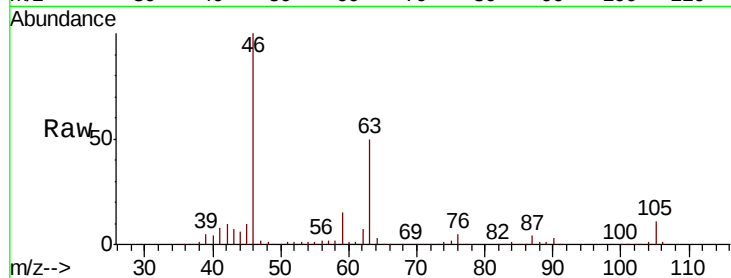




#50
2-Hexanone
Concen: 3.532 ug/L
RT: 8.12 min Scan# 2185
Delta R.T. -0.05 min
Lab File: VV016070.D
Acq: 14 May 2020 16:35

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 14176
Ion Ratio Lower Upper
43 100
58 41.2 40.8 61.2
57 25.8 14.7 22.1#
100 0.2 9.0 13.6#



#51
Dibromochloromethane
Concen: 6.863 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.27 min
Lab File: VV016070.D
Acq: 14 May 2020 16:35

Tgt Ion: 129 Resp: 46896
Ion Ratio Lower Upper
129 100
127 0.0 56.0 104.0#

