

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051320\
 Data File : VV016040.D
 Acq On : 13 May 2020 14:58
 Operator : SY/MD
 Sample : L2542-18MS
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 14 02:29:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu May 14 02:25:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	151362	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	149339	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	66294	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	47507	5.79	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	115.80%
7) Chloroethane-d5	1.58	69	44399	5.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	114.00%
11) 1,1-Dichloroethene-d2	2.13	63	96380	5.46	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	109.20%
20) 2-Butanone-d5	3.94	46	120555	51.47	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.94%
24) Chloroform-d	4.38	84	94115	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.80%
26) 1,2-Dichloroethane-d4	5.06	65	51551	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.20%
32) Benzene-d6	5.08	84	183886	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.40%
36) 1,2-Dichloropropane-d6	6.10	67	56493	5.21	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.20%
41) Toluene-d8	7.34	98	161666	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.20%
45) trans-1,3-Dichloropropene-	7.65	79	18553	4.36	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.20%
48) 2-Hexanone-d5	8.12	63	88141	47.13	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.26%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	39542	5.18	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.60%
65) 1,2-Dichlorobenzene-d4	11.65	152	57697	5.36	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.62	64	2502	0.313	ug/L #	41
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1622	0.186	ug/L #	67
12) 1,1-Dichloroethene	2.14	96	44394	5.330	ug/L	91
13) Acetone	2.23	43	4605	2.980	ug/L	99
17) Methyl tert-butyl Ether	2.79	73	6549	0.303	ug/L #	90
22) cis-1,2-Dichloroethene	3.94	96	3251	0.337	ug/L	95
25) Chloroform	4.41	83	5737	0.294	ug/L	99
27) 1,2-Dichloroethane	5.13	62	1970	0.164	ug/L #	76
33) Benzene	5.13	78	223321	5.944	ug/L	100
34) Trichloroethene	5.94	95	69021	6.436	ug/L	98
35) Methylcyclohexane	6.10	83	13935	0.859	ug/L #	16
37) 1,2-Dichloropropane	6.10	63	6859	0.719	ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	1507	0.112	ug/L #	55
42) Toluene	7.41	91	235116	5.904	ug/L	99
46) trans-1,3-Dichloropropene	7.65	75	770	0.068	ug/L #	65
47) 1,1,2-Trichloroethane	7.99	97	1085	0.170	ug/L #	15
49) Tetrachloroethene	8.00	164	89087	11.905	ug/L	98

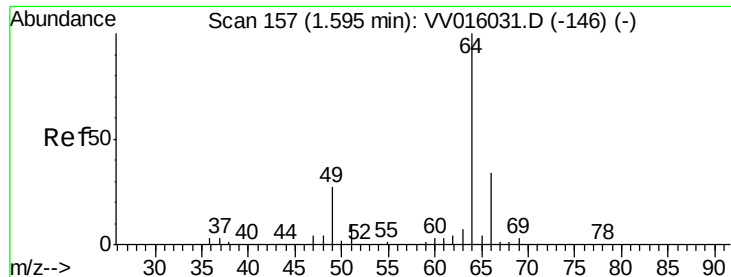
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051320\
Data File : VV016040.D
Acq On : 13 May 2020 14:58
Operator : SY/MD
Sample : L2542-18MS
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: May 14 02:29:40 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu May 14 02:25:38 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
50) 2-Hexanone	8.12	43	15161	3.603	ug/L #	77
51) Dibromochloromethane	8.00	129	87234	12.179	ug/L #	10
53) Chlorobenzene	8.90	112	152566	5.956	ug/L	99

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



#8

Chloroethane

Concen: 0.313 ug/L

RT: 1.62 min Scan# 166

Delta R.T. 0.03 min

Lab File: VV016040.D

Acq: 13 May 2020 14:58

Instrument :

MSVOA_V

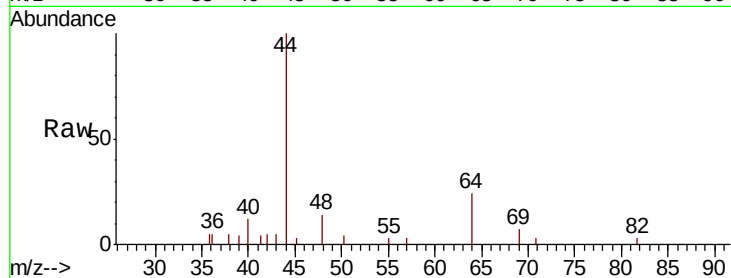
ClientSampled :

Tot Ion: 64 Resp: 2502

Ion Ratio Lower Upper

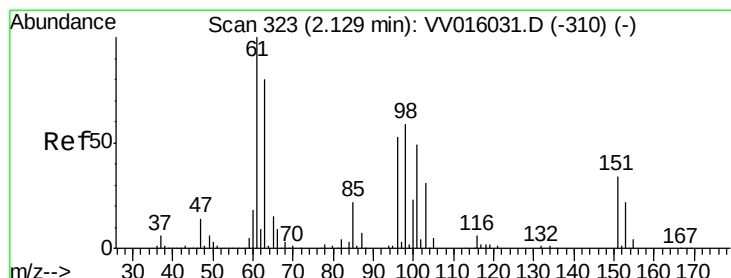
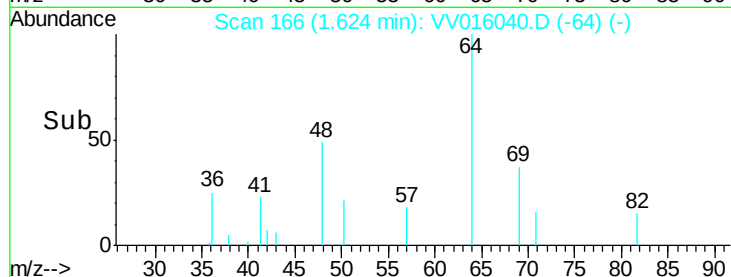
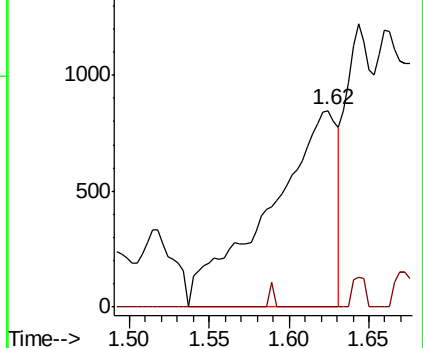
64 100

66 0.0 23.6 43.8#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0



#10

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

Concen: 0.186 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV016040.D

Acq: 13 May 2020 14:58

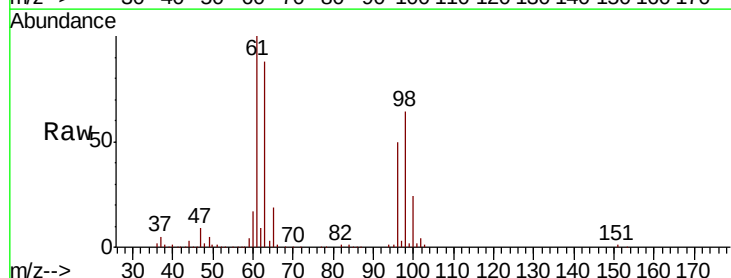
Tgt Ion:101 Resp: 1622

Ion Ratio Lower Upper

101 100

85 30.9 35.7 53.5#

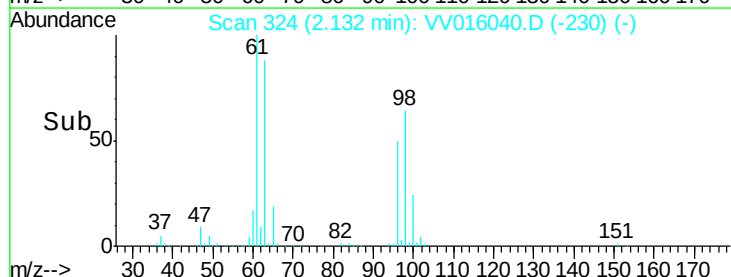
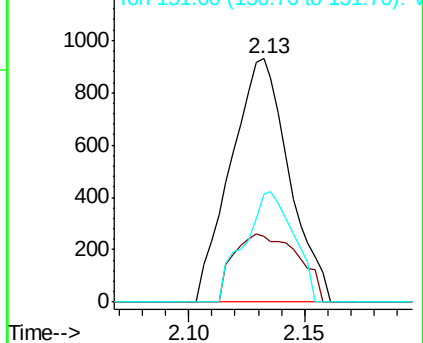
151 38.5 58.0 87.0#

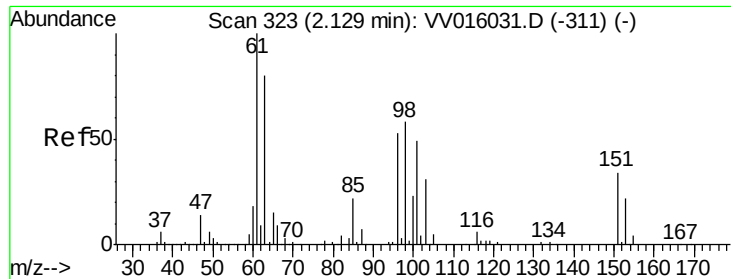


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V

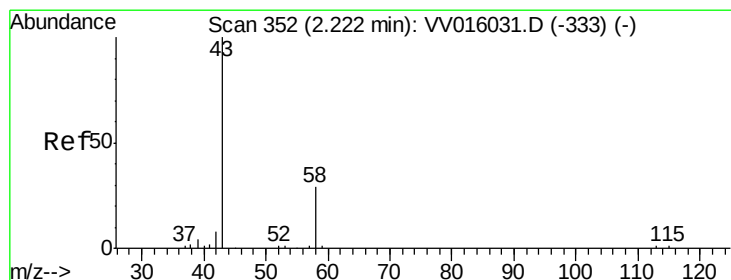
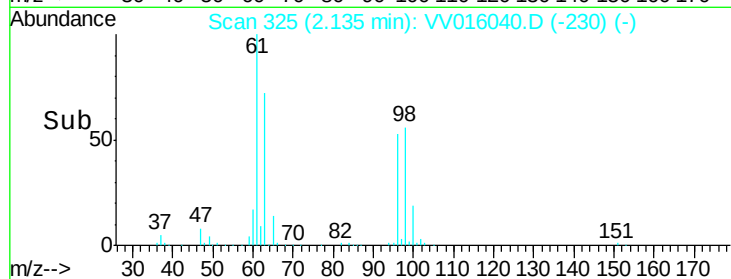
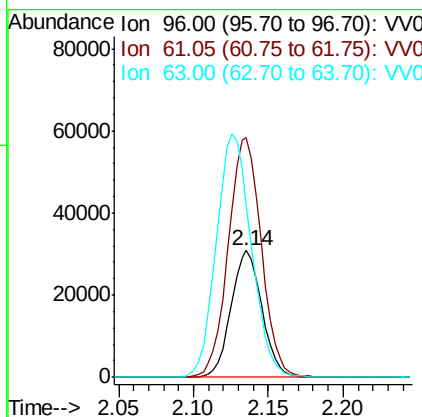
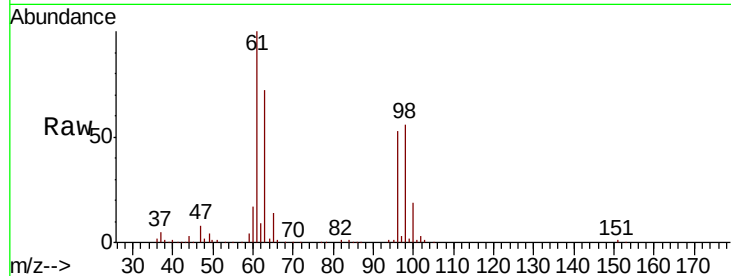




#12
 1,1-Dichloroethene
 Concen: 5.330 ug/L
 RT: 2.14 min Scan# 325
 Delta R.T. 0.01 min
 Lab File: VV016040.D
 Acq: 13 May 2020 14:58

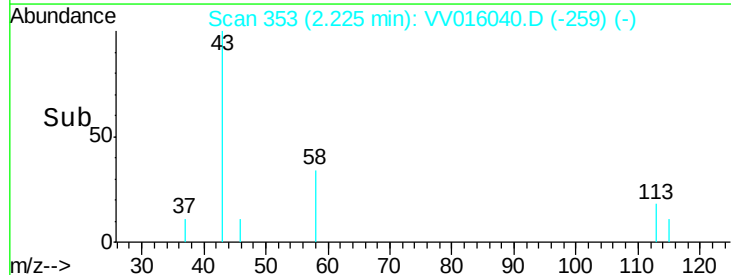
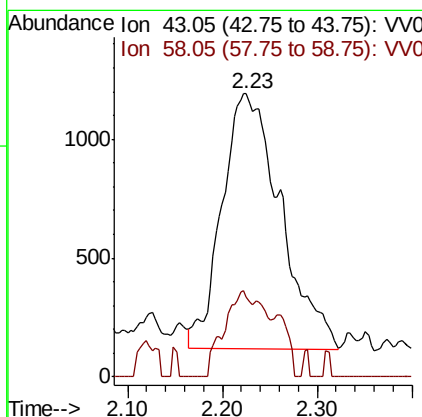
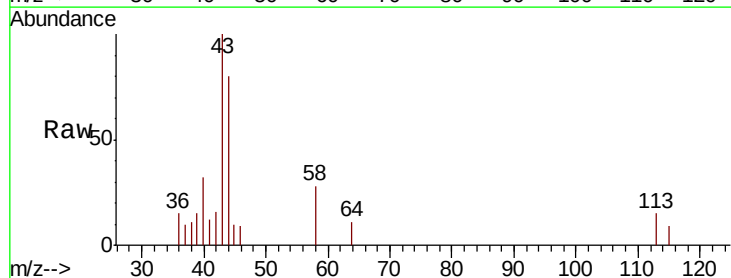
Instrument :
 MSVOA_V
 ClientSampleId :

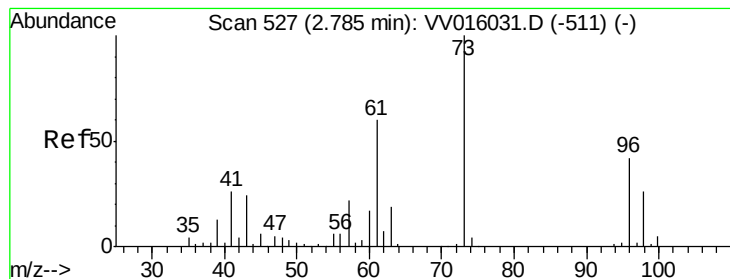
Tot Ion: 96 Resp: 44394
 Ion Ratio Lower Upper
 96 100
 61 189.6 139.9 259.7
 63 135.6 106.4 197.6



#13
 Acetone
 Concen: 2.980 ug/L
 RT: 2.23 min Scan# 353
 Delta R.T. 0.00 min
 Lab File: VV016040.D
 Acq: 13 May 2020 14:58

Tgt Ion: 43 Resp: 4605
 Ion Ratio Lower Upper
 43 100
 58 15.9 0.0 30.8



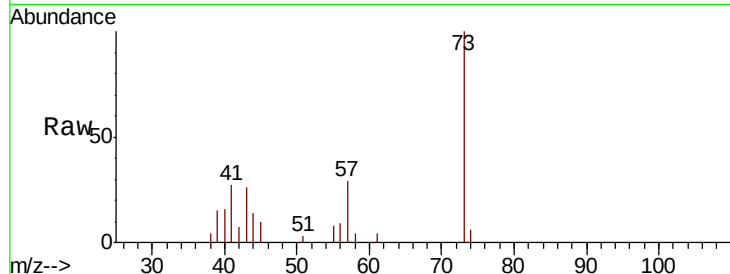


#17

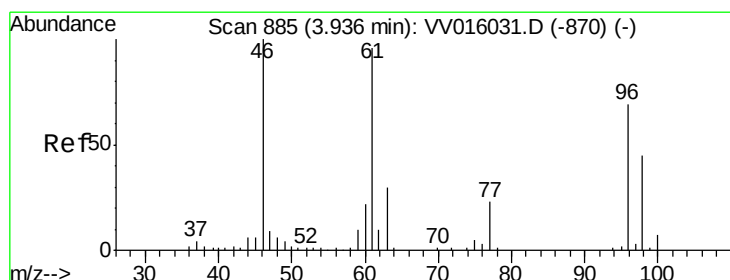
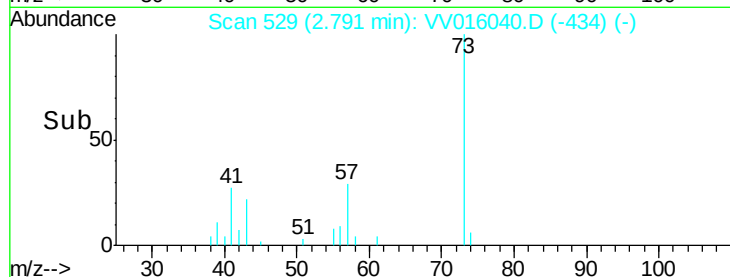
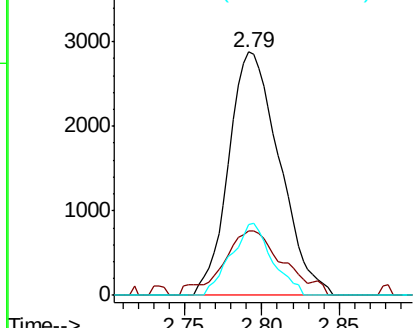
Methyl tert-butyl Ether
 Concen: 0.303 ug/L
 RT: 2.79 min Scan# 529
 Delta R.T. 0.01 min
 Lab File: VV016040.D
 Acq: 13 May 2020 14:58

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 73 Resp: 6549
 Ion Ratio Lower Upper
 73 100
 43 31.5 18.8 28.2#
 57 23.9 17.8 26.6



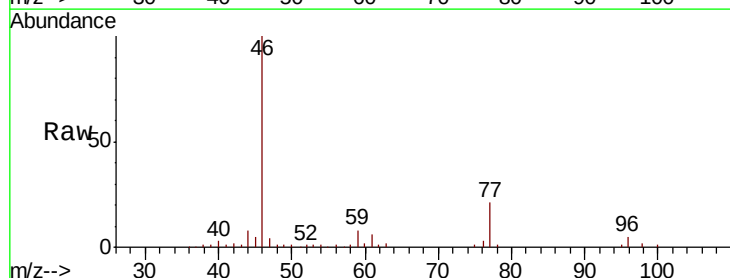
Abundance Ion 73.10 (72.80 to 73.80): VV0
 Ion 43.05 (42.75 to 43.75): VV0
 Ion 57.10 (56.80 to 57.80): VV0



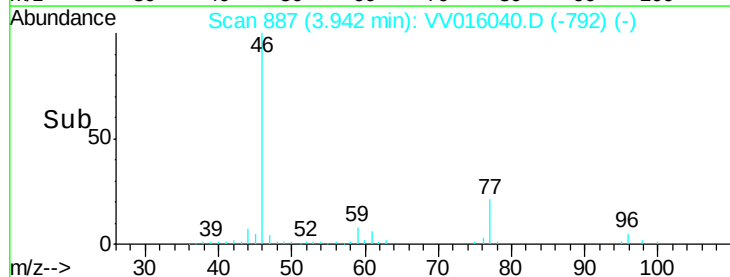
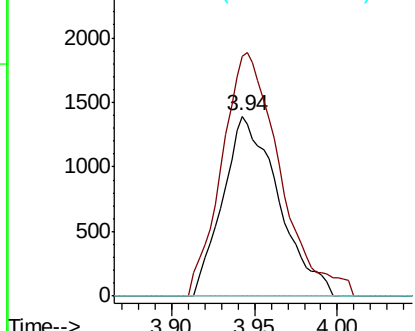
#22

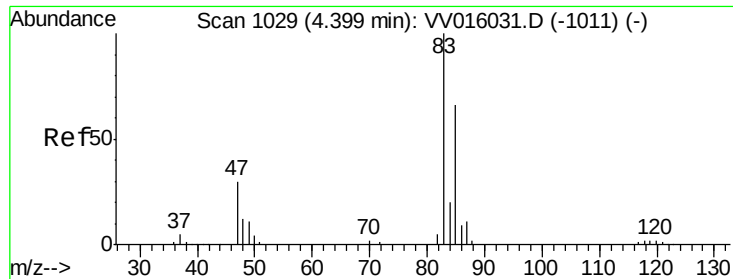
cis-1,2-Dichloroethene
 Concen: 0.337 ug/L
 RT: 3.94 min Scan# 887
 Delta R.T. 0.01 min
 Lab File: VV016040.D
 Acq: 13 May 2020 14:58

Tgt Ion: 96 Resp: 3251
 Ion Ratio Lower Upper
 96 100
 61 133.4 97.2 180.6
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0

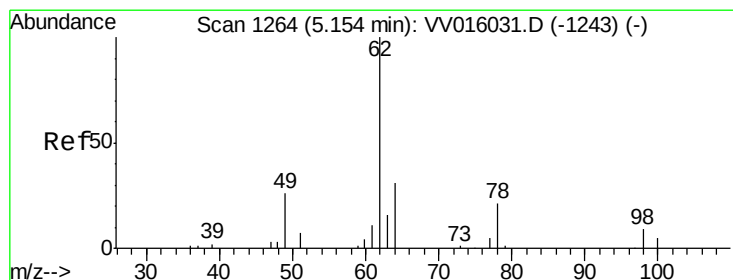
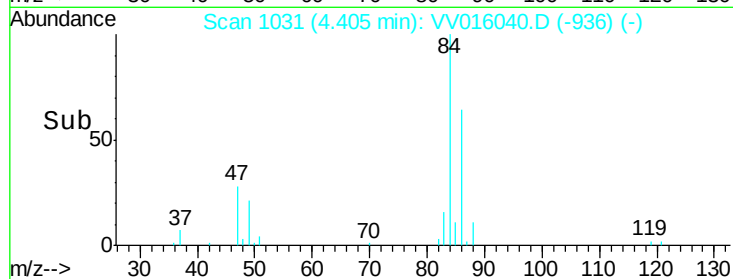
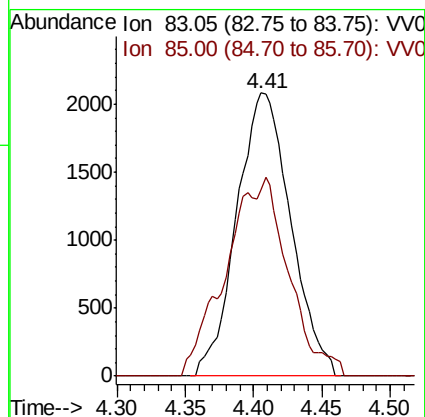
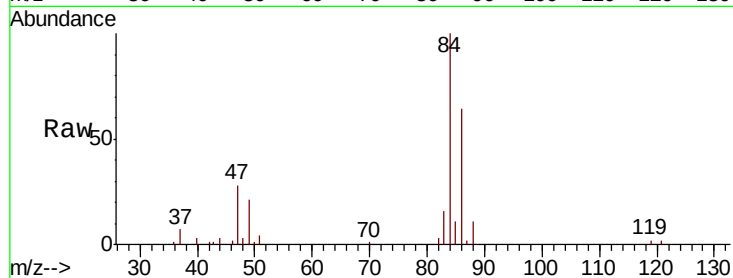




#25
Chloroform
Concen: 0.294 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VV016040.D
Acq: 13 May 2020 14:58

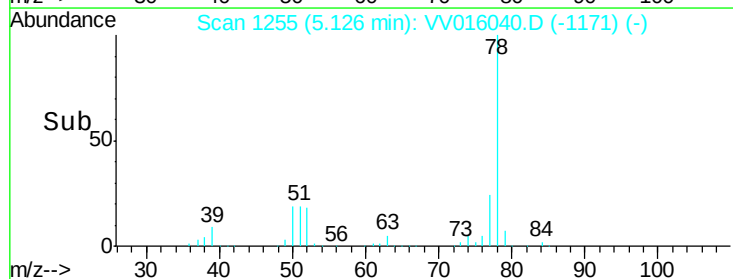
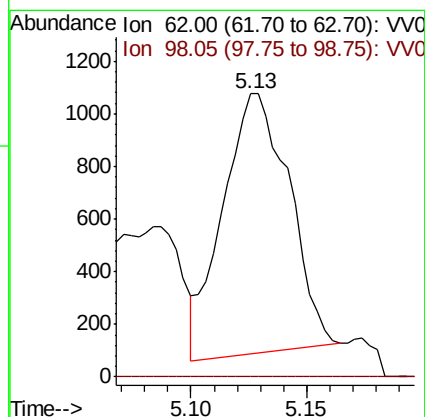
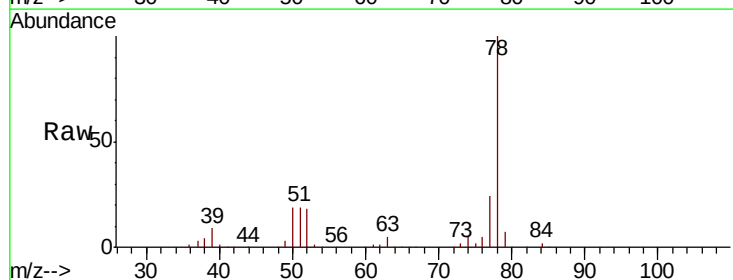
Instrument :
MSVOA_V
ClientSampleId :

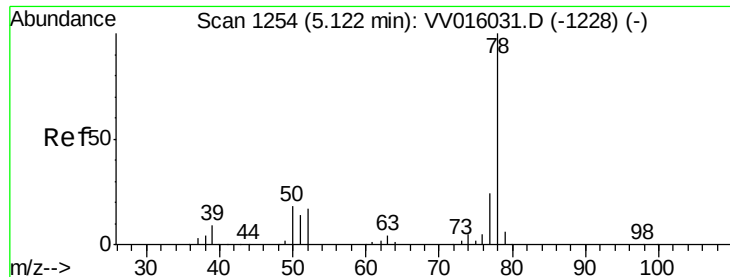
Tot Ion: 83 Resp: 5737
Ion Ratio Lower Upper
83 100
85 65.8 45.7 84.9



#27
1,2-Dichloroethane
Concen: 0.164 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. -0.03 min
Lab File: VV016040.D
Acq: 13 May 2020 14:58

Tgt Ion: 62 Resp: 1970
Ion Ratio Lower Upper
62 100
98 0.0 6.7 10.1#





#33

Benzene

Concen: 5.944 ug/L

RT: 5.13 min Scan# 1256

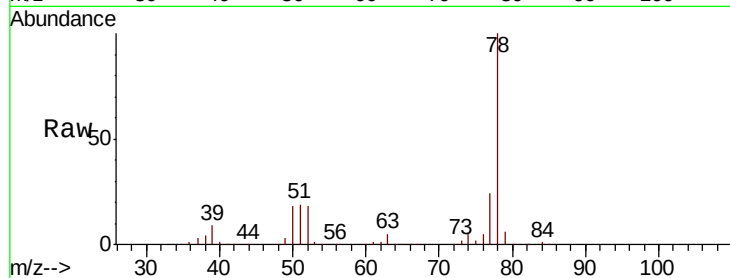
Delta R.T. 0.01 min

Lab File: VV016040.D

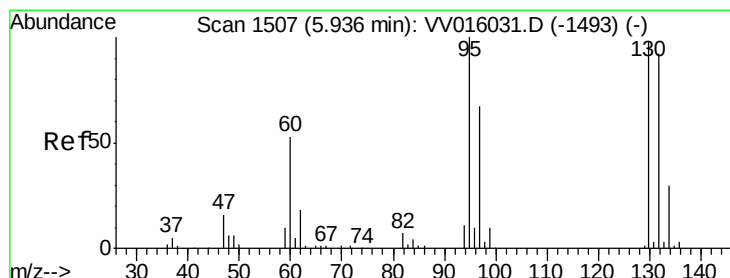
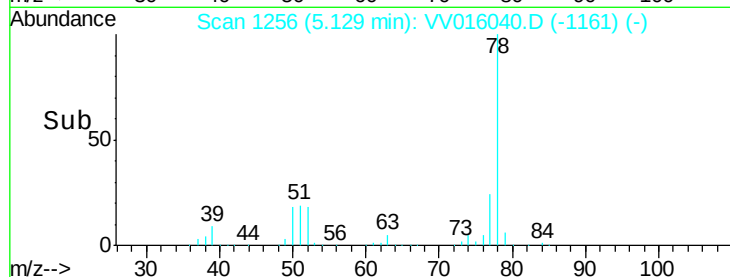
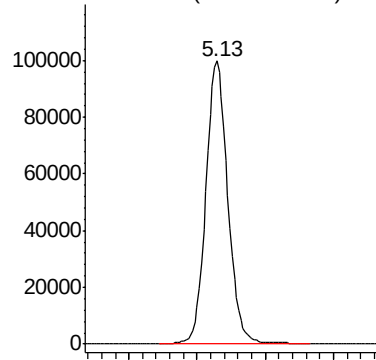
Acq: 13 May 2020 14:58

Instrument :
MSVOA_V
ClientSampled :

Tgt Ion: 78 Resp: 223321



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 6.436 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV016040.D

Acq: 13 May 2020 14:58

Tgt Ion: 95 Resp: 69021

Ion	Ratio	Lower	Upper
95	100		
97	62.8	43.3	80.5
132	89.8	60.3	112.1
130	96.1	66.0	122.6

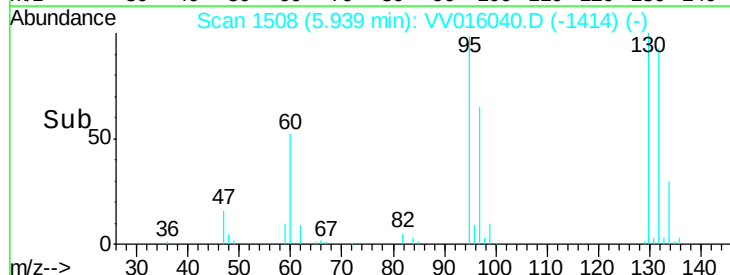
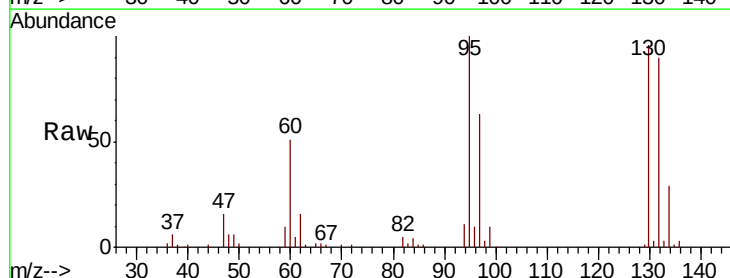
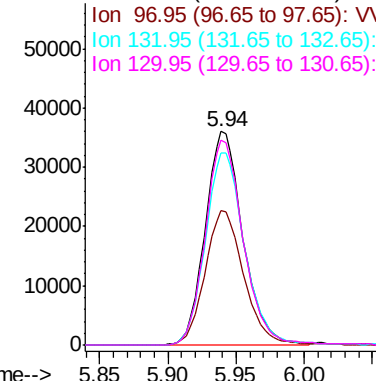
Ion 95.00 (94.70 to 95.70): VV0

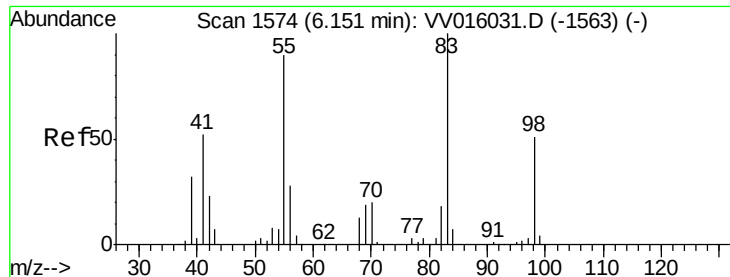
Ion 96.95 (96.65 to 97.65): VV0

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

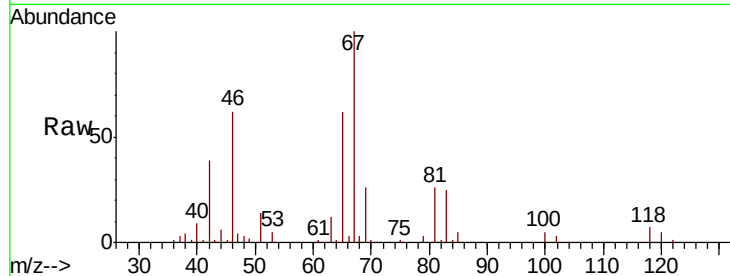




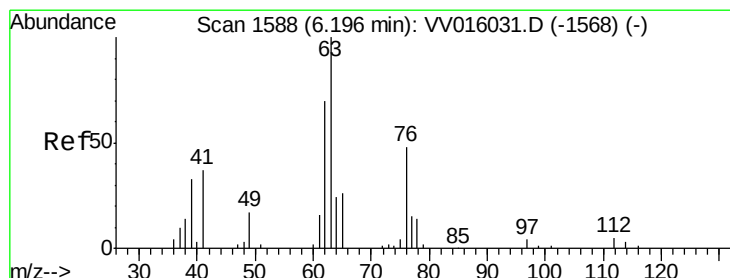
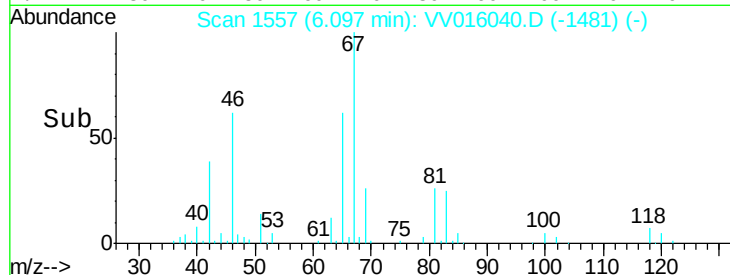
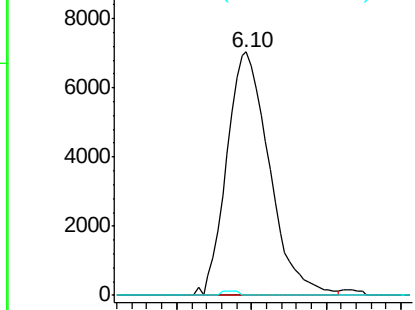
#35
Methylvlcyclohexane
Concen: 0.859 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.05 min
Lab File: VV016040.D
Acq: 13 May 2020 14:58

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 13935
Ion Ratio Lower Upper
83 100
55 0.0 66.2 99.2#
98 0.7 37.9 56.9#

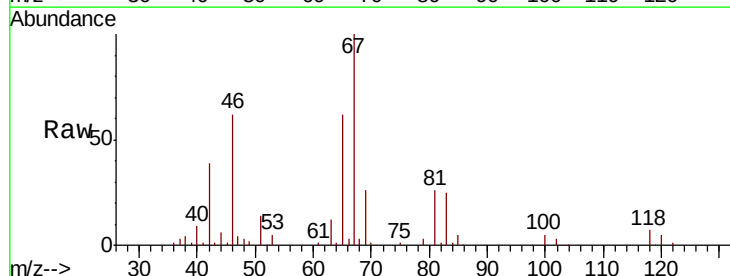


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

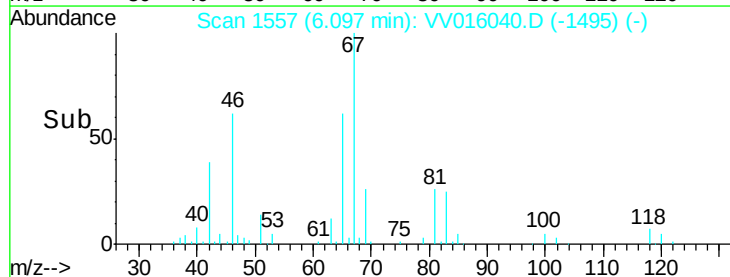
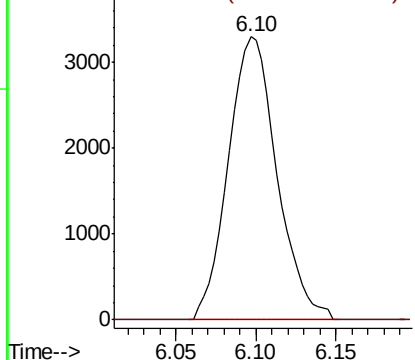


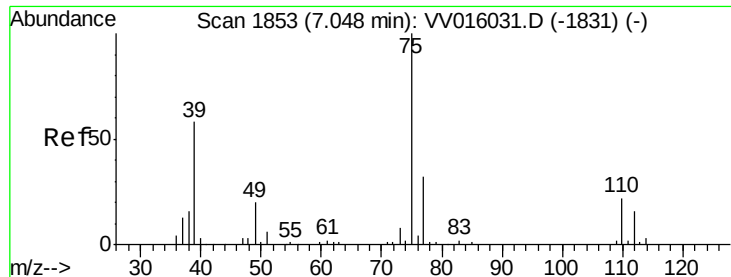
#37
1,2-Dichloropropane
Concen: 0.719 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.10 min
Lab File: VV016040.D
Acq: 13 May 2020 14:58

Tgt Ion: 63 Resp: 6859
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

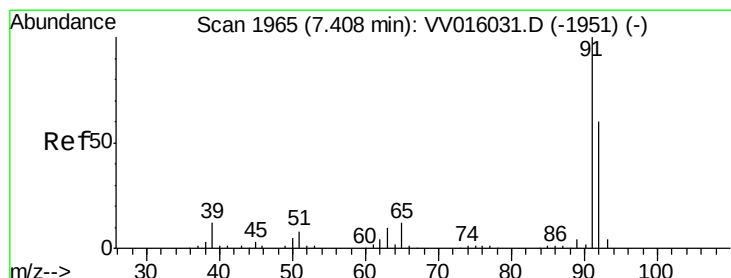
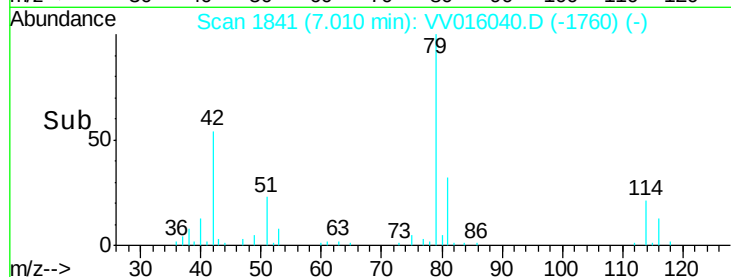
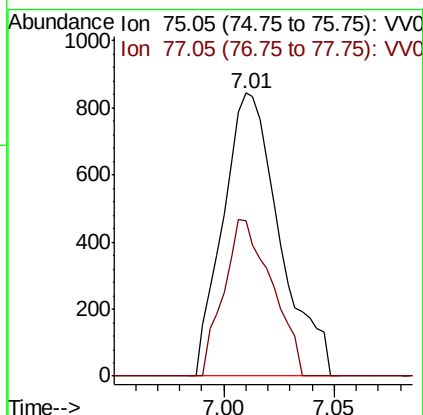
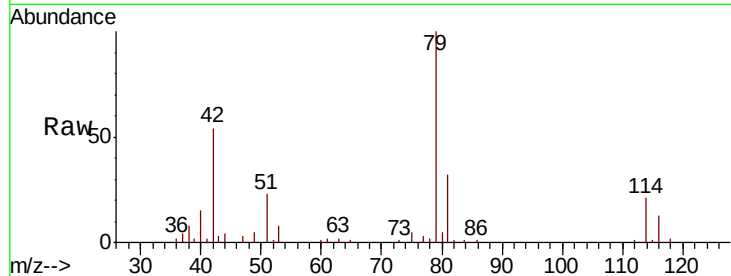




#39
 cis-1,3-Dichloropropene
 Concen: 0.112 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV016040.D
 Acq: 13 May 2020 14:58

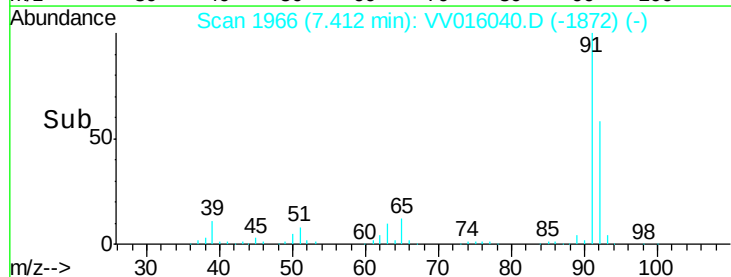
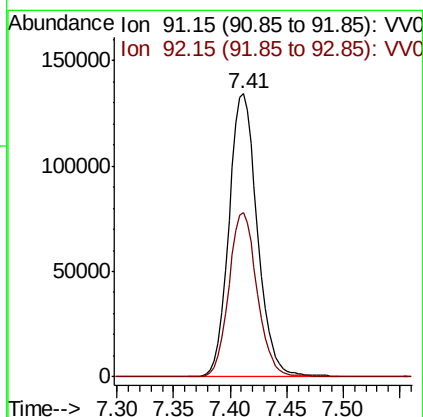
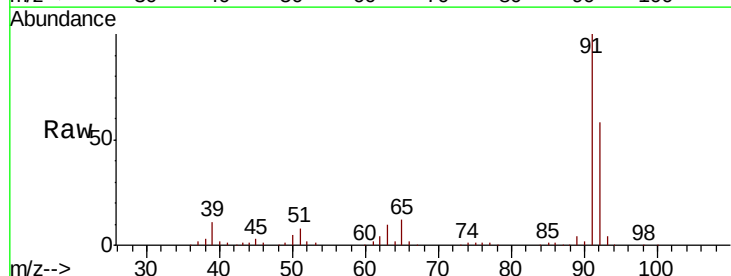
Instrument :
 MSVOA_V
 ClientSampleId :

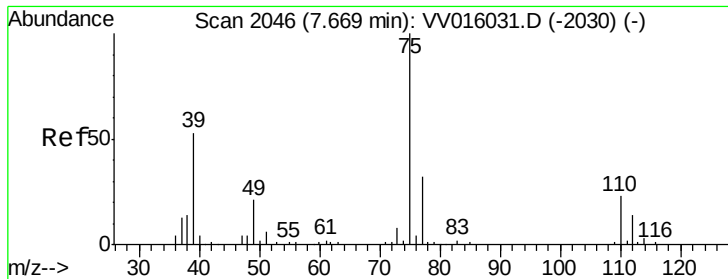
Tot Ion: 75 Resp: 1507
 Ion Ratio Lower Upper
 75 100
 77 54.7 21.3 39.5#



#42
 Toluene
 Concen: 5.904 ug/L
 RT: 7.41 min Scan# 1966
 Delta R.T. 0.00 min
 Lab File: VV016040.D
 Acq: 13 May 2020 14:58

Tgt Ion: 91 Resp: 235116
 Ion Ratio Lower Upper
 91 100
 92 58.1 40.1 74.5





#46

trans-1,3-Dichloropropene

Concen: 0.068 ug/L

RT: 7.65 min Scan# 2039

Delta R.T. -0.02 min

Lab File: VV016040.D

Acq: 13 May 2020 14:58

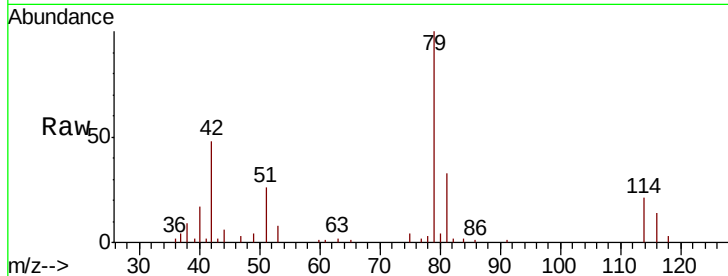
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 75 Resp: 770

Ion Ratio Lower Upper

75 100

77 49.7 21.3 39.6#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.65

400

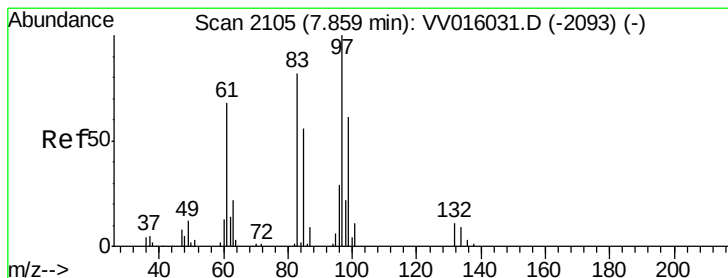
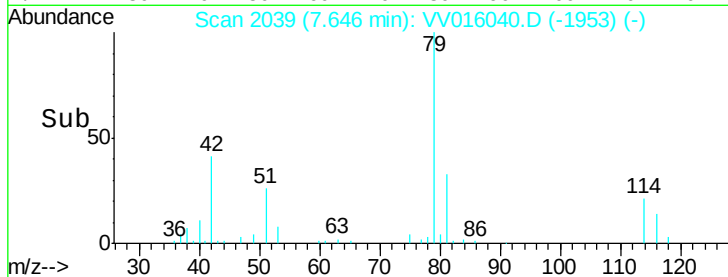
300

200

100

0

Time--> 7.60 7.65



#47

1,1,2-Trichloroethane

Concen: 0.170 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. 0.14 min

Lab File: VV016040.D

Acq: 13 May 2020 14:58

Tgt Ion: 97 Resp: 1085

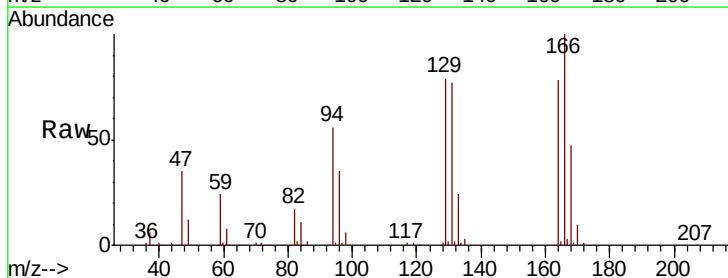
Ion Ratio Lower Upper

97 100

99 16.7 42.1 78.1#

83 214.4 59.2 110.0#

85 34.7 38.6 71.8#



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

2000

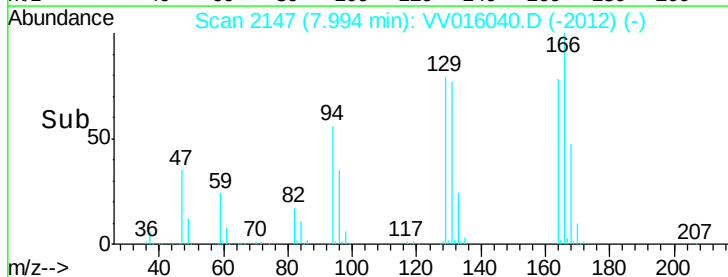
1500

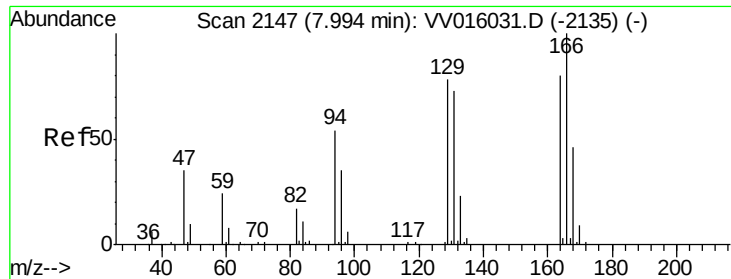
1000

500

0

Time--> 7.95 8.00





#49

Tetrachloroethene

Concen: 11.905 ug/L

RT: 8.00 min Scan# 2148

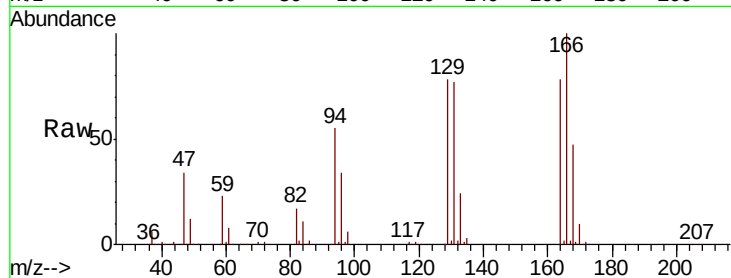
Delta R.T. 0.00 min

Lab File: VV016040.D

Acq: 13 May 2020 14:58

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:164	Resp:	89087
Ion	Ratio	Lower Upper
164	100	
129	100.4	69.7 129.4
131	98.7	66.8 124.2
166	128.6	89.1 165.5

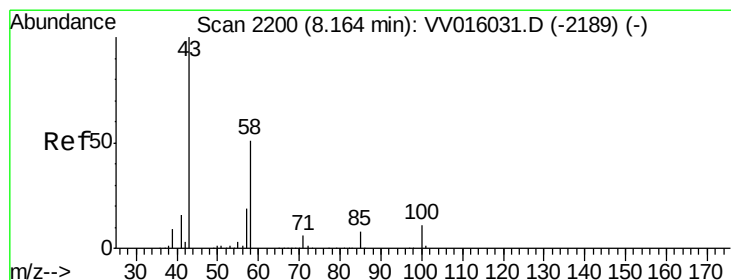
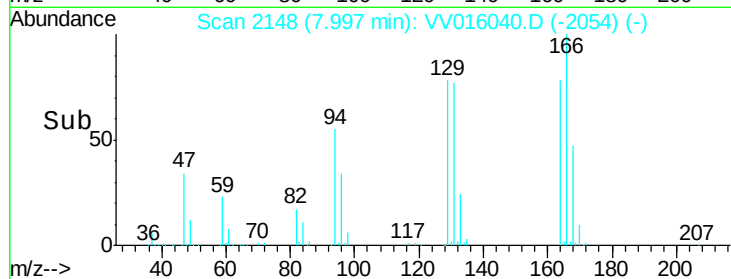
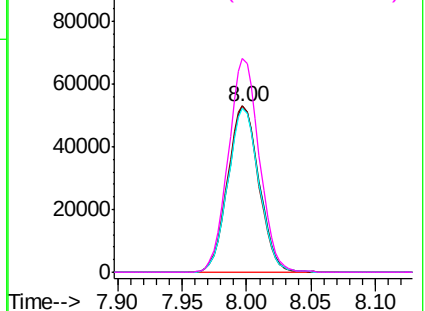


Abundance Ion 163.90 (163.60 to 164.60): V

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: 3.603 ug/L

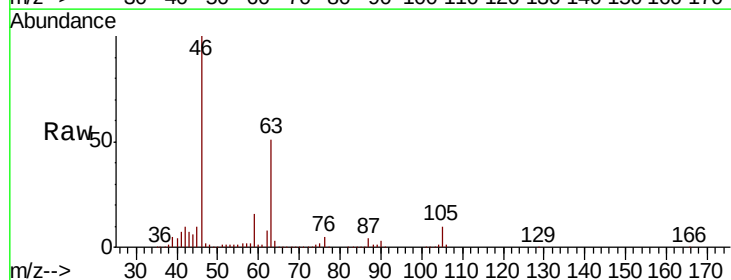
RT: 8.12 min Scan# 2185

Delta R.T. -0.05 min

Lab File: VV016040.D

Acq: 13 May 2020 14:58

Tgt Ion: 43	Resp:	15161
Ion	Ratio	Lower Upper
43	100	
58	34.4	40.8 61.2#
57	25.6	14.7 22.1#
100	0.7	9.0 13.6#

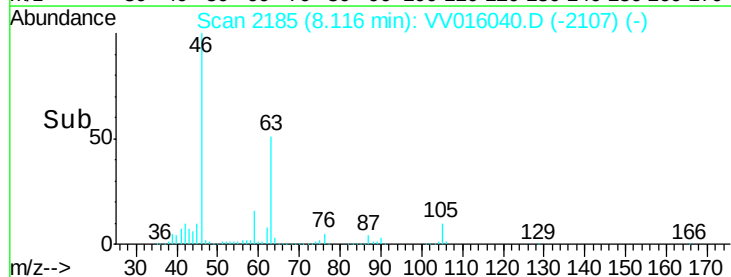
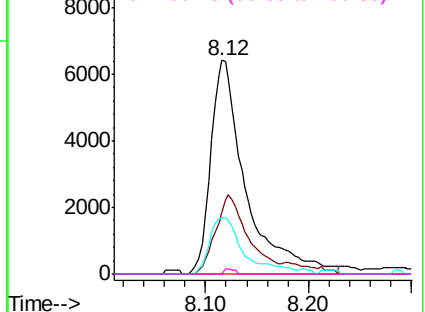


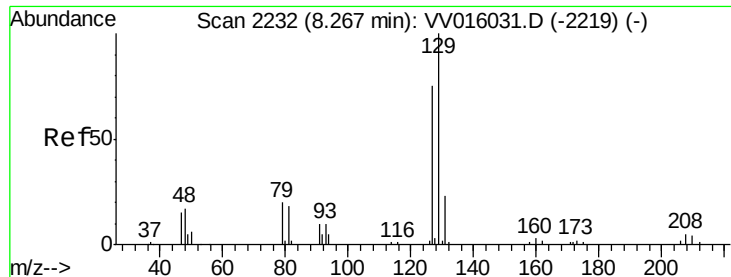
Abundance Ion 43.05 (42.75 to 43.75): VV0

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

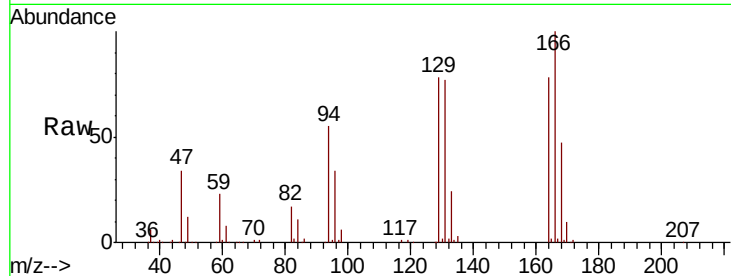




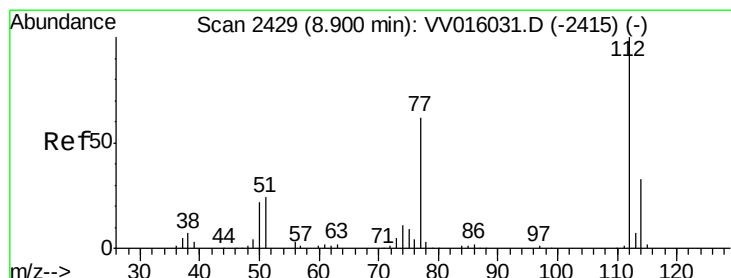
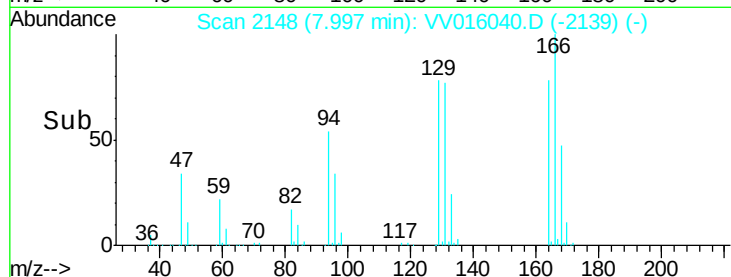
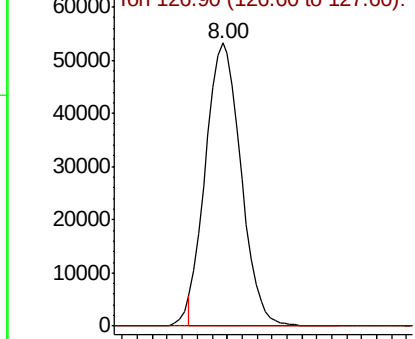
#51
Dibromochloromethane
Concen: 12.179 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.27 min
Lab File: VV016040.D
Acq: 13 May 2020 14:58

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:129 Resp: 87234
Ion Ratio Lower Upper
129 100
127 0.3 56.0 104.0#

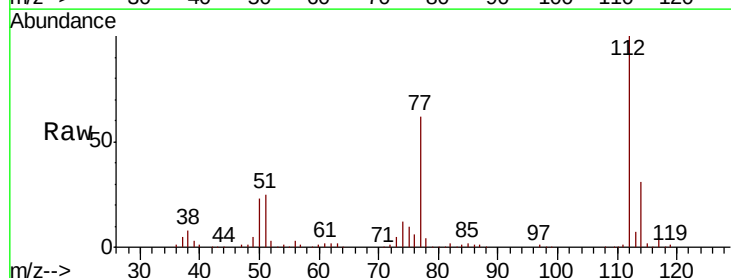


Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V



#53
Chlorobenzene
Concen: 5.956 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV016040.D
Acq: 13 May 2020 14:58

Tgt Ion:112 Resp: 152566
Ion Ratio Lower Upper
112 100
114 31.2 21.6 40.0
77 61.7 48.6 73.0



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): VV0

