

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041620\
 Data File : VV015542.D
 Acq On : 16 Apr 2020 17:22
 Operator : SY/MD
 Sample : L2320-09
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 17 00:50:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR040920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Apr 17 00:46:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	102595	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	94929	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	46867	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	27518	5.17	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	103.40%
7) Chloroethane-d5	1.57	69	25721	5.25	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.00%
11) 1,1-Dichloroethene-d2	2.12	63	41545	3.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.20%
20) 2-Butanone-d5	3.96	46	83073	55.58	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.16%
24) Chloroform-d	4.38	84	58444	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.20%
26) 1,2-Dichloroethane-d4	5.06	65	33631	5.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.80%
32) Benzene-d6	5.08	84	113288	5.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.60%
36) 1,2-Dichloropropane-d6	6.10	67	36638	5.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	111.80%
41) Toluene-d8	7.34	98	102970	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.40%
43) trans-1,3-Dichloropropene-	7.64	79	14421	5.05	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.00%
46) 2-Hexanone-d5	8.12	63	67732	49.23	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.46%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	24295	4.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.40%
64) 1,2-Dichlorobenzene-d4	11.65	152	39296	5.22	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	2774	0.273 ug/L	95
9) Trichlorofluoromethane	1.76	101	4572	0.384 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1792	0.266 ug/L #	81
12) 1,1-Dichloroethene	2.13	96	2742	0.426 ug/L #	1
17) Methyl tert-butyl Ether	2.79	73	3394	0.197 ug/L #	68
18) trans-1,2-Dichloroethene	2.78	96	1384	0.191 ug/L	93
19) 1,1-Dichloroethane	3.22	63	1181	0.086 ug/L #	82
22) cis-1,2-Dichloroethene	3.94	96	84337	11.193 ug/L	99
25) Chloroform	4.40	83	6294	0.450 ug/L	97
31) Carbon tetrachloride	4.86	117	5048	0.471 ug/L	99
34) Trichloroethene	5.94	95	656218	85.810 ug/L	100
35) Methylcyclohexane	6.10	83	8976	0.697 ug/L #	15
37) 1,2-Dichloropropane	6.10	63	4423	0.628 ug/L #	86
39) cis-1,3-Dichloropropene	7.01	75	1015	0.094 ug/L #	69
44) trans-1,3-Dichloropropene	7.65	75	733	0.080 ug/L	91
47) Tetrachloroethene	8.00	164	313748	55.375 ug/L	99
48) 2-Hexanone	8.12	43	10782	3.335 ug/L #	72

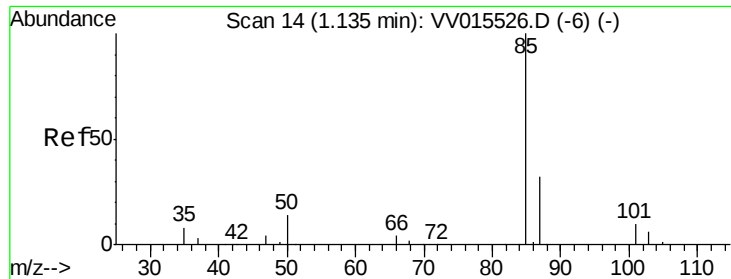
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041620\
Data File : VV015542.D
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR040920WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Apr 17 00:46:36 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
49) Dibromochloromethane	8.00	129	304875	53.730	ug/L #	10
-----	-----	-----	-----	-----	-----	-----

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



#2

Dichlorodifluoromethane

Concen: 0.273 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV015542.D

Acq: 16 Apr 2020 17:22

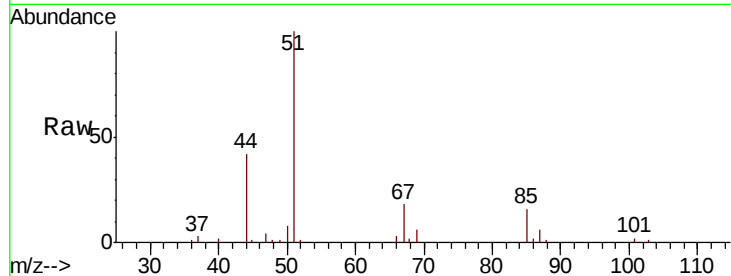
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 2774

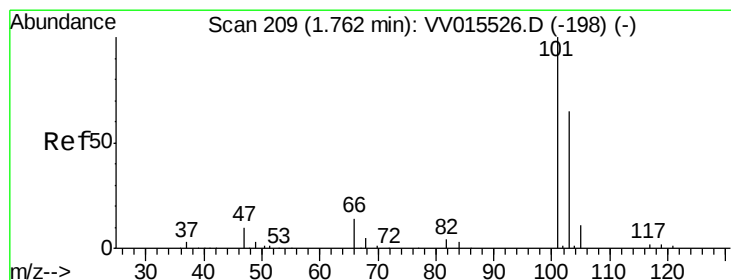
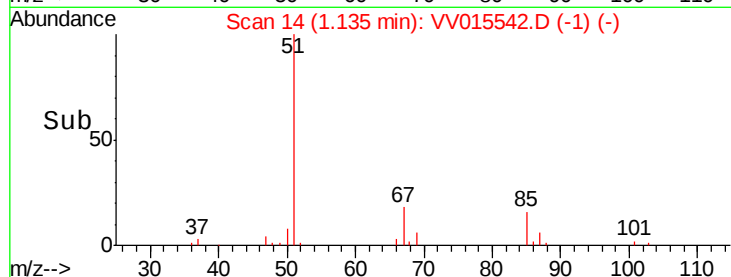
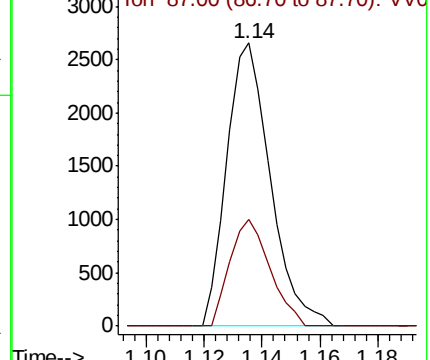
Ion Ratio Lower Upper

85 100

87 34.5 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VV015526.D (-6) (-)



#9

Trichlorofluoromethane

Concen: 0.384 ug/L

RT: 1.76 min Scan# 208

Delta R.T. -0.00 min

Lab File: VV015542.D

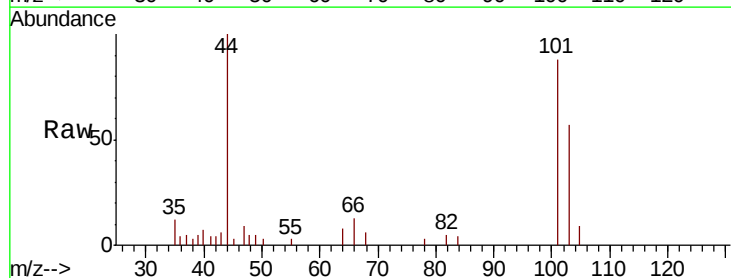
Acq: 16 Apr 2020 17:22

Tgt Ion: 101 Resp: 4572

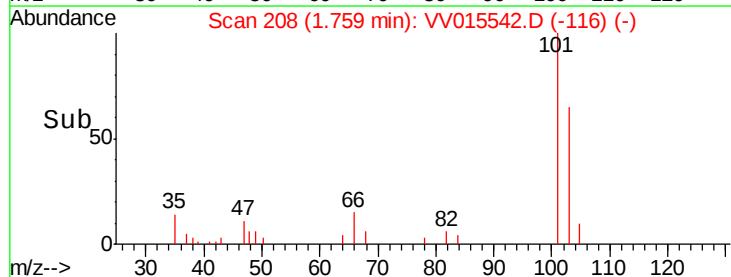
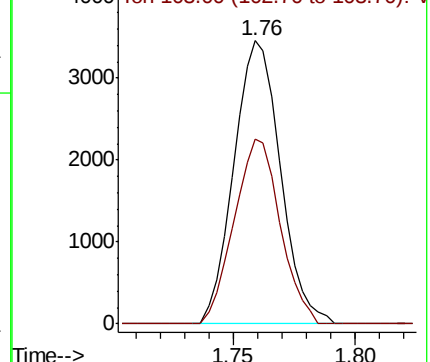
Ion Ratio Lower Upper

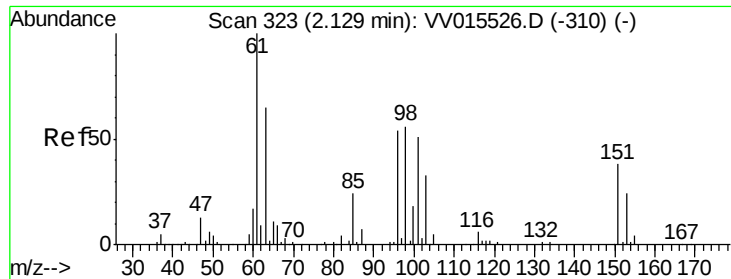
101 100

103 64.3 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VV015526.D (-198) (-)





#10

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

Concen: 0.266 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV015542.D

Acq: 16 Apr 2020 17:22

Instrument :

MSVOA_V

ClientSampled :

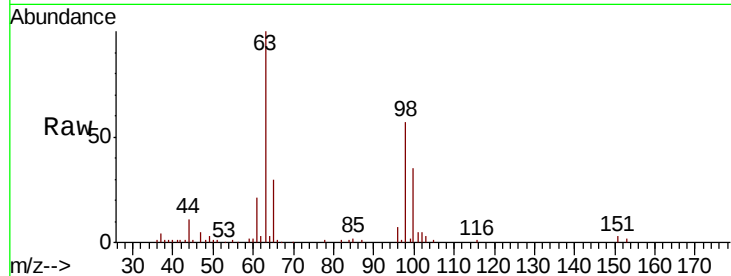
Tot Ion:101 Resp: 1792

Ion Ratio Lower Upper

101 100

85 36.5 36.3 54.5

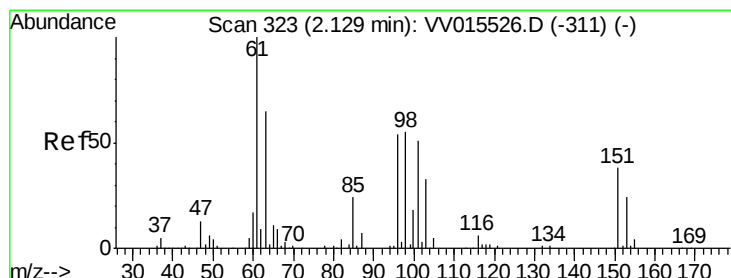
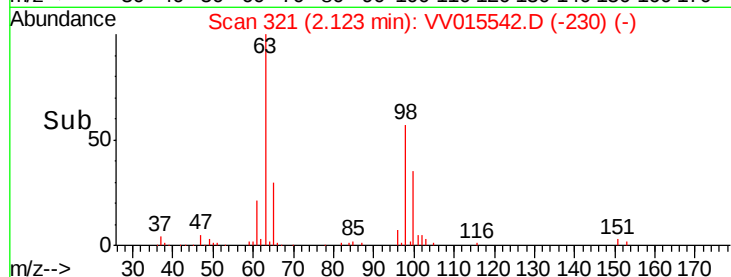
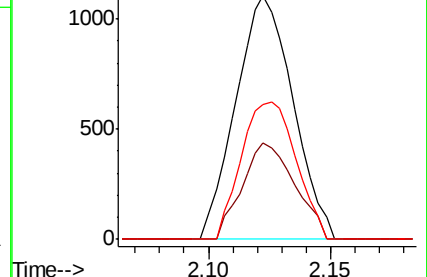
151 54.2 58.2 87.4#



Abundance Ion 101.00 (100.70 to 101.70): VV015526.D (-310) (-)

Ion 85.00 (84.70 to 85.70): VV015526.D (-310) (-)

Ion 151.00 (150.70 to 151.70): VV015526.D (-310) (-)



#12

1,1-Dichloroethene

Concen: 0.426 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV015542.D

Acq: 16 Apr 2020 17:22

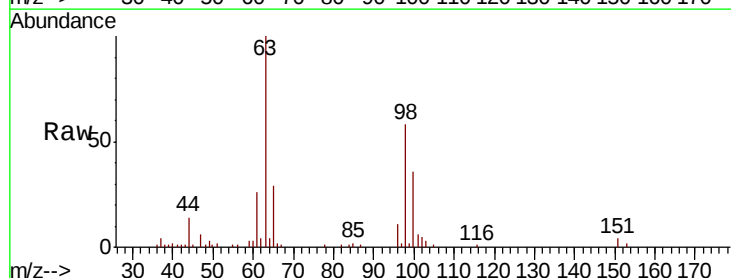
Tgt Ion: 96 Resp: 2742

Ion Ratio Lower Upper

96 100

61 242.4 127.7 237.1#

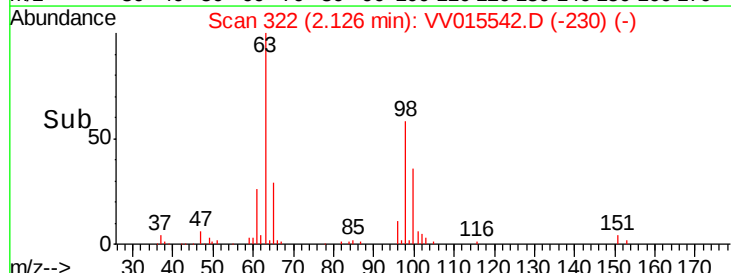
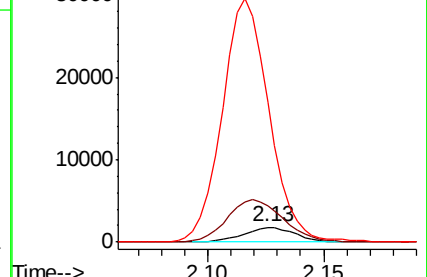
63 948.0 75.1 139.5#

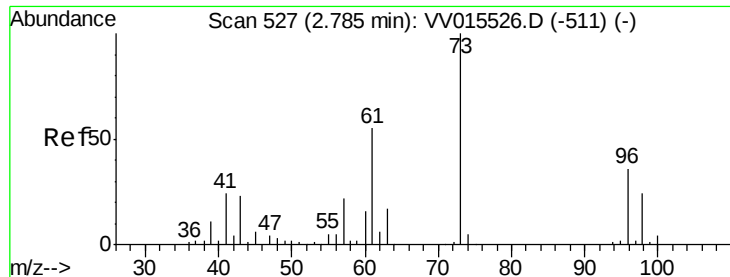


Abundance Ion 96.00 (95.70 to 96.70): VV015526.D (-311) (-)

Ion 61.05 (60.75 to 61.75): VV015526.D (-311) (-)

Ion 63.00 (62.70 to 63.70): VV015526.D (-311) (-)

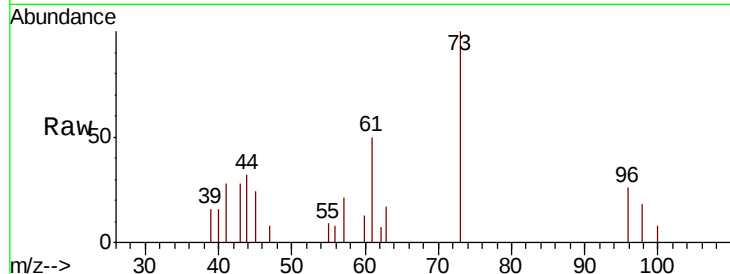




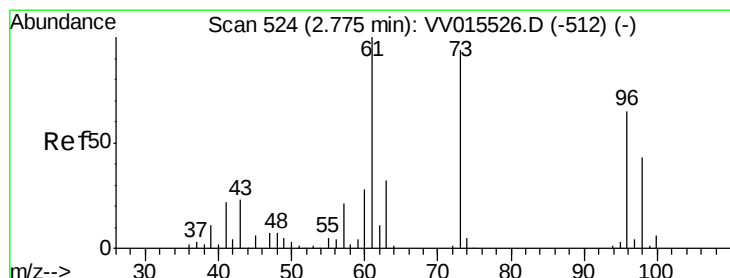
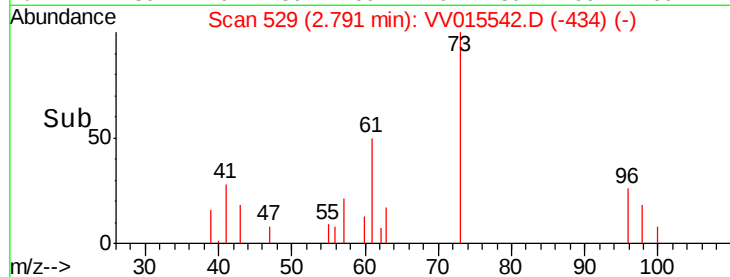
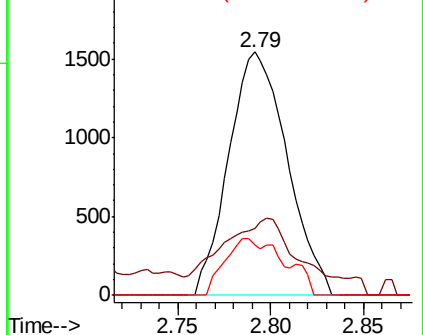
#17
Methvl tert-butvl Ether
Concen: 0.197 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.01 min
Lab File: VV015542.D
Acq: 16 Apr 2020 17:22

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 73 Resp: 3394
Ion Ratio Lower Upper
73 100
43 44.6 18.3 27.5#
57 13.8 18.4 27.6#

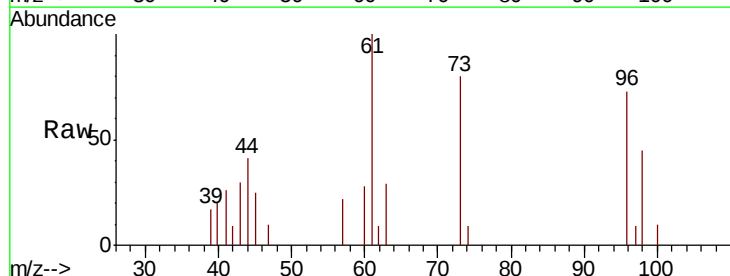


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

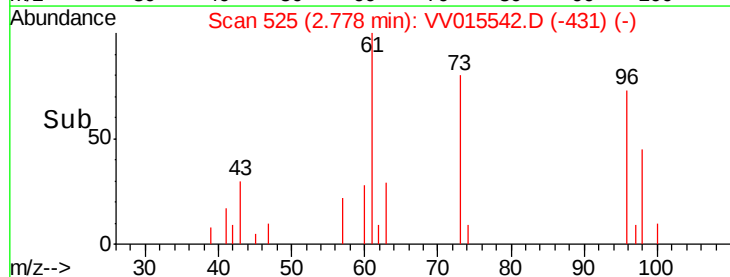
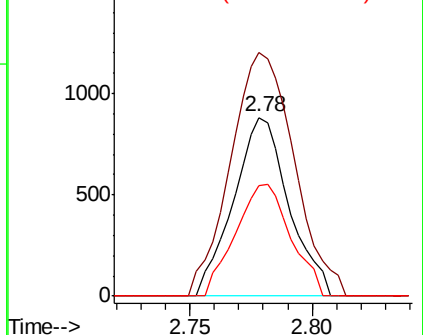


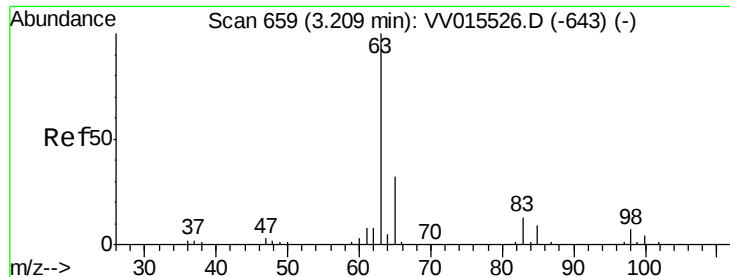
#18
trans-1,2-Dichloroethene
Concen: 0.191 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.00 min
Lab File: VV015542.D
Acq: 16 Apr 2020 17:22

Tgt Ion: 96 Resp: 1384
Ion Ratio Lower Upper
96 100
61 136.4 104.4 194.0
98 62.0 42.8 79.4



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0

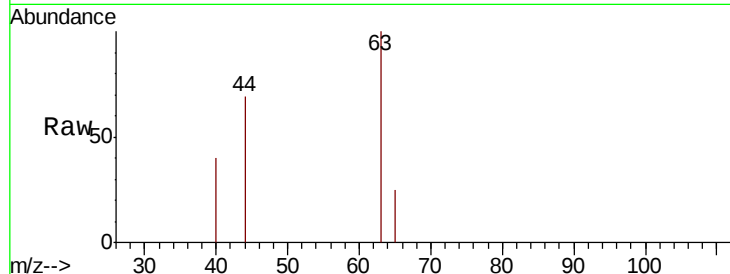




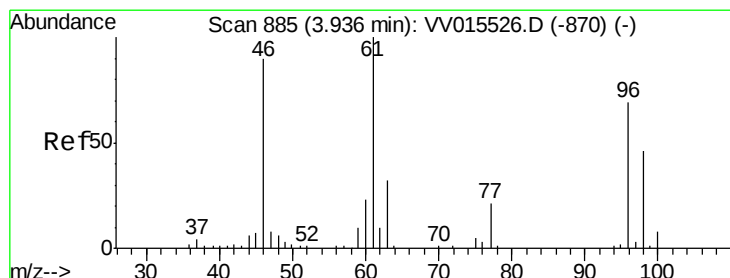
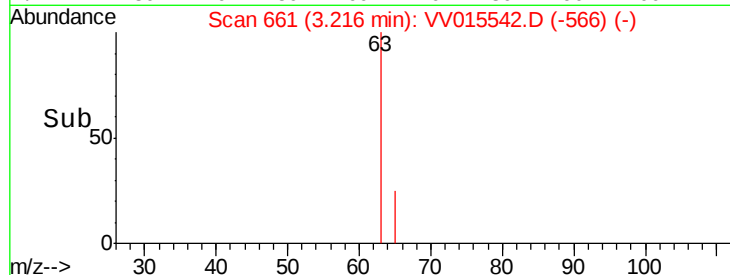
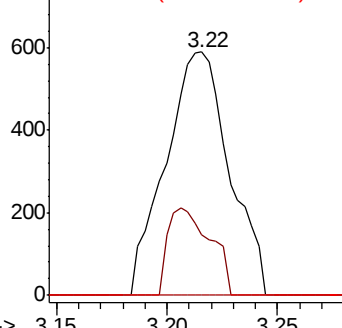
#19
 1,1-Dichloroethane
 Concen: 0.086 ug/L
 RT: 3.22 min Scan# 661
 Delta R.T. 0.01 min
 Lab File: VV015542.D
 Acq: 16 Apr 2020 17:22

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 63 Resp: 1181
 Ion Ratio Lower Upper
 63 100
 65 24.7 21.3 39.6
 83 0.0 9.4 17.6#

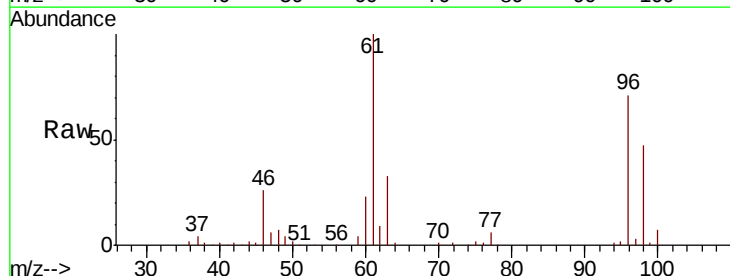


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

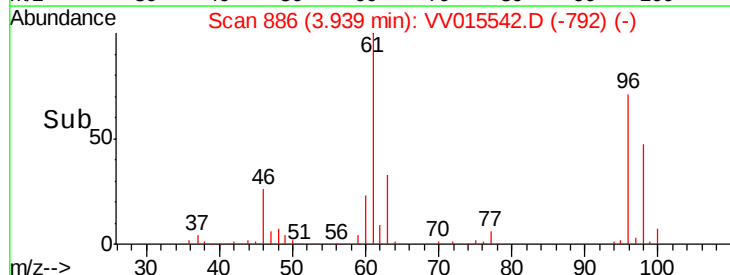
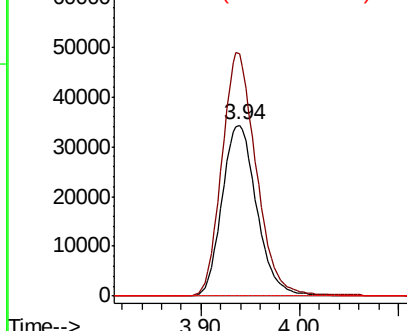


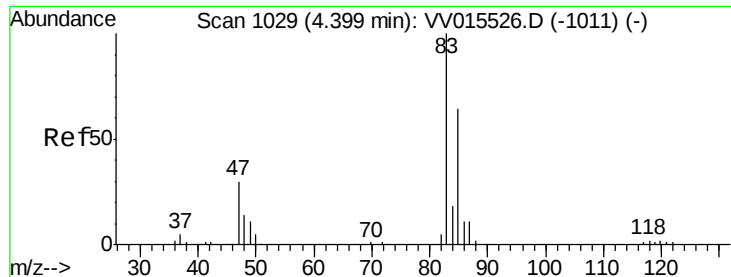
#22
 cis-1,2-Dichloroethene
 Concen: 11.193 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV015542.D
 Acq: 16 Apr 2020 17:22

Tgt Ion: 96 Resp: 84337
 Ion Ratio Lower Upper
 96 100
 61 141.3 100.0 185.8
 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

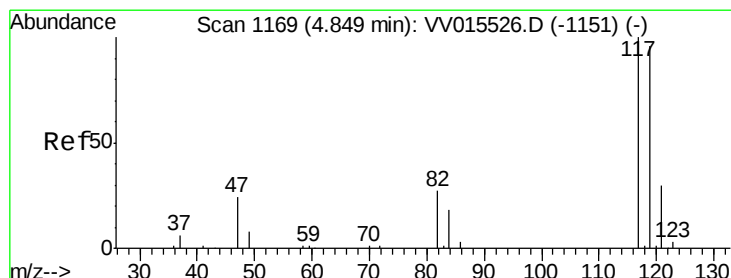
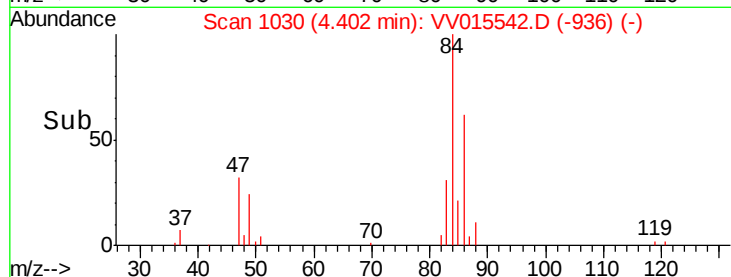
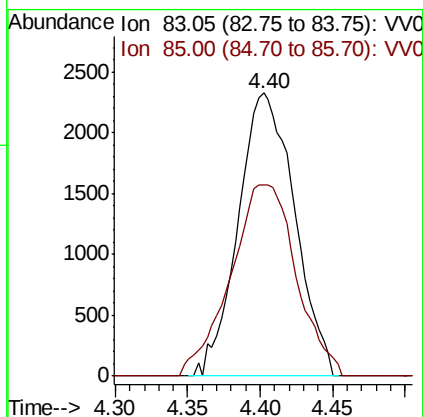
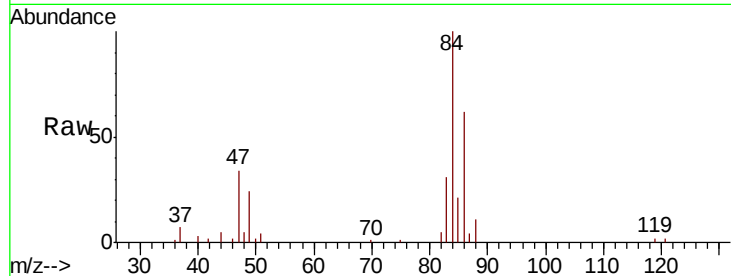




#25
Chloroform
Concen: 0.450 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV015542.D
Acq: 16 Apr 2020 17:22

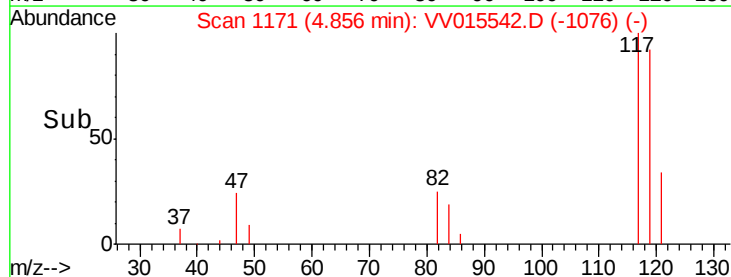
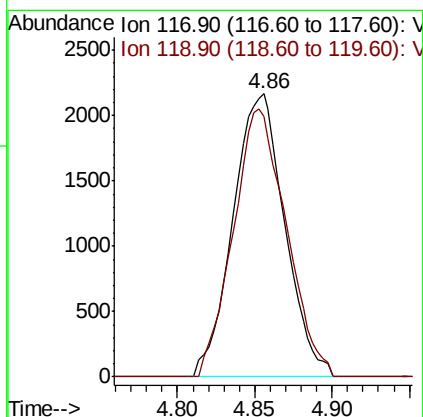
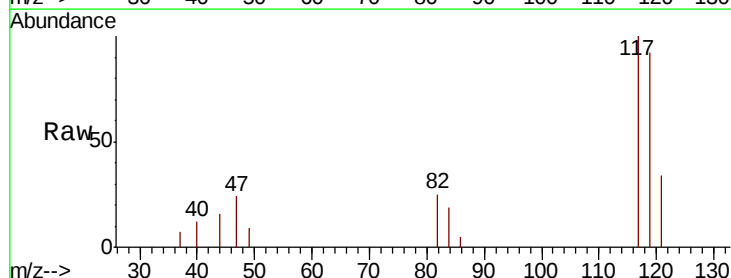
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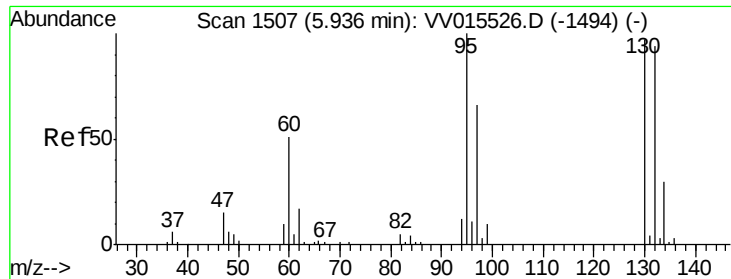
Tot Ion: 83 Resp: 6294
Ion Ratio Lower Upper
83 100
85 67.6 45.9 85.3



#31
Carbon tetrachloride
Concen: 0.471 ug/L
RT: 4.86 min Scan# 1171
Delta R.T. 0.01 min
Lab File: VV015542.D
Acq: 16 Apr 2020 17:22

Tgt Ion: 117 Resp: 5048
Ion Ratio Lower Upper
117 100
119 97.1 76.6 115.0

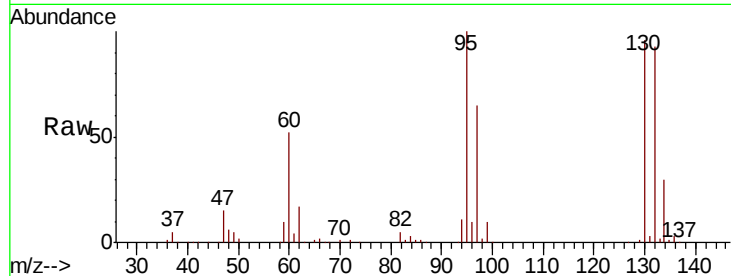




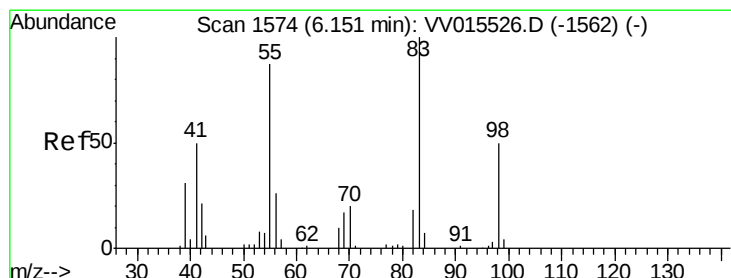
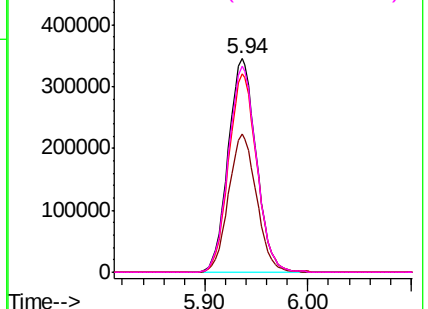
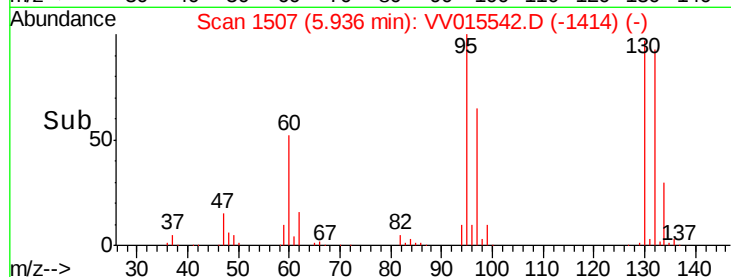
#34
 Trichloroethene
 Concen: 85.810 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VV015542.D
 Acq: 16 Apr 2020 17:22

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 656218
 Ion Ratio Lower Upper
 95 100
 97 64.6 45.4 84.4
 132 93.0 64.8 120.4
 130 96.4 67.4 125.2

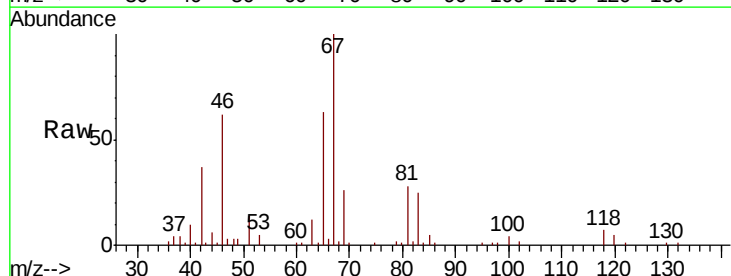


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

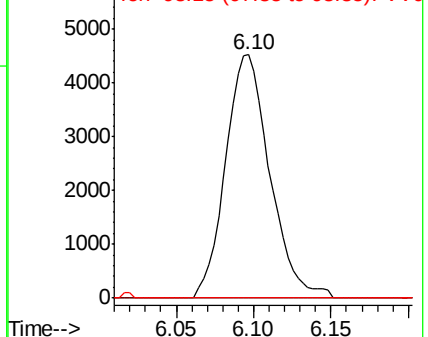
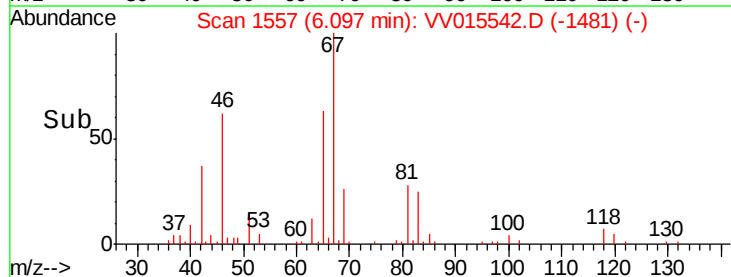


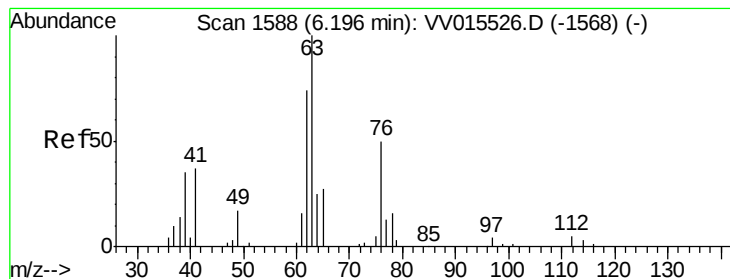
#35
 Methylcyclohexane
 Concen: 0.697 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.05 min
 Lab File: VV015542.D
 Acq: 16 Apr 2020 17:22

Tgt Ion: 83 Resp: 8976
 Ion Ratio Lower Upper
 83 100
 55 0.0 66.6 99.8#
 98 0.0 38.7 58.1#



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: 0.628 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.10 min

Lab File: VV015542.D

Acq: 16 Apr 2020 17:22

Instrument :

MSVOA_V

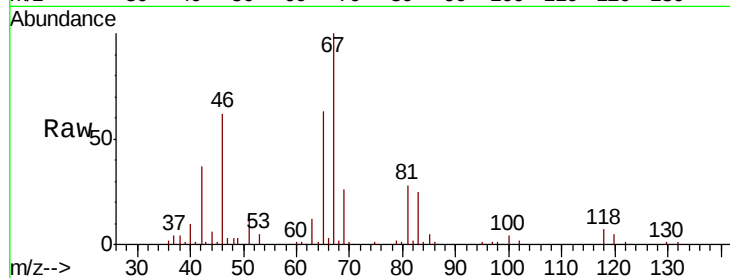
ClientSampleId :

Tot Ion: 63 Resp: 4423

Ion Ratio Lower Upper

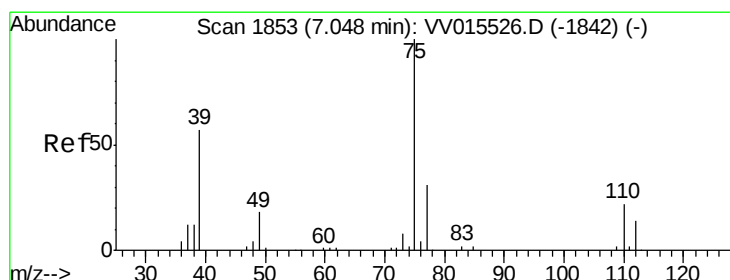
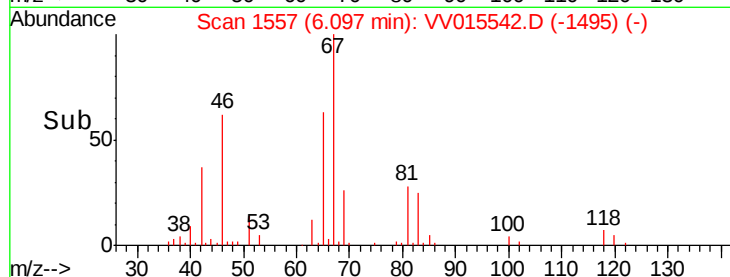
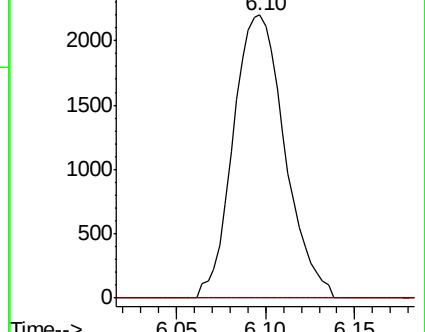
63 100

112 0.0 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VV015526.D (-1568) (-)

Ion 112.10 (111.80 to 112.80): VV015526.D (-1568) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.094 ug/L

RT: 7.01 min Scan# 1841

Delta R.T. -0.04 min

Lab File: VV015542.D

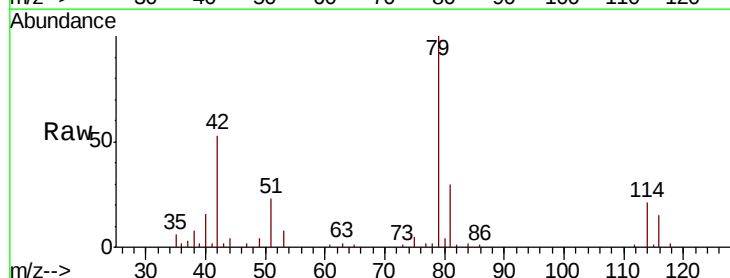
Acq: 16 Apr 2020 17:22

Tgt Ion: 75 Resp: 1015

Ion Ratio Lower Upper

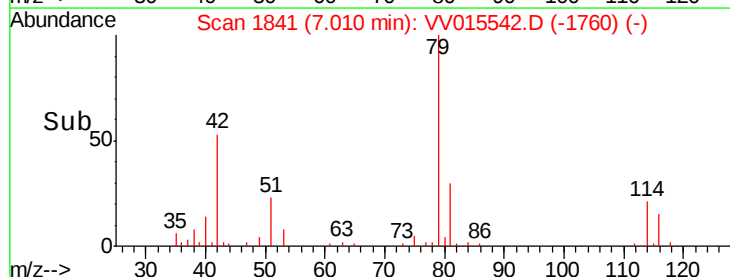
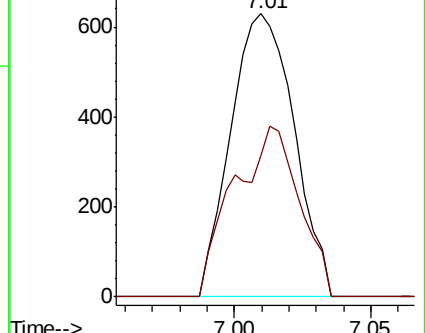
75 100

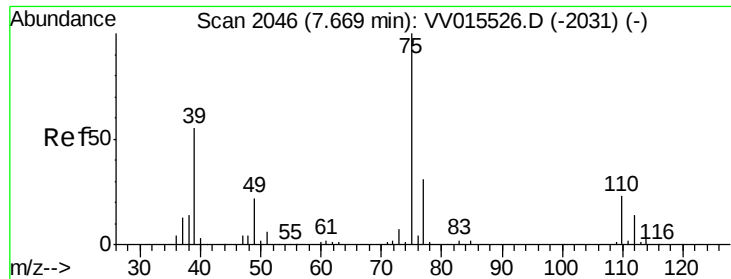
77 50.1 23.0 42.6#



Abundance Ion 75.05 (74.75 to 75.75): VV015526.D (-1842) (-)

Ion 77.05 (76.75 to 77.75): VV015526.D (-1842) (-)





#44

trans-1,3-Dichloropropene

Concen: 0.080 ug/L

RT: 7.65 min Scan# 2039

Delta R.T. -0.02 min

Lab File: VV015542.D

Acq: 16 Apr 2020 17:22

Instrument :

MSVOA_V

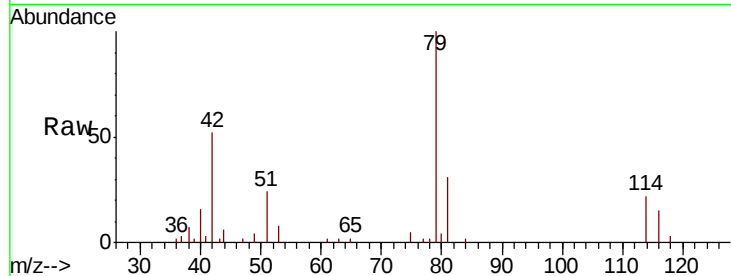
ClientSampleId :

Tot Ion: 75 Resp: 733

Ion Ratio Lower Upper

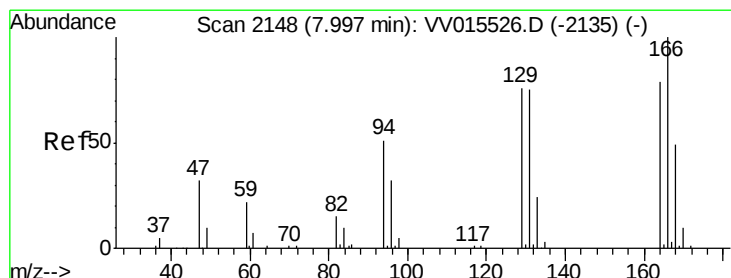
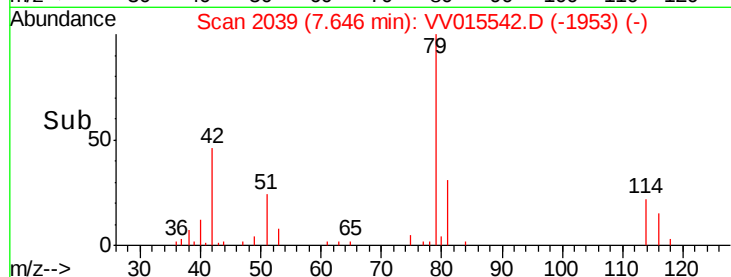
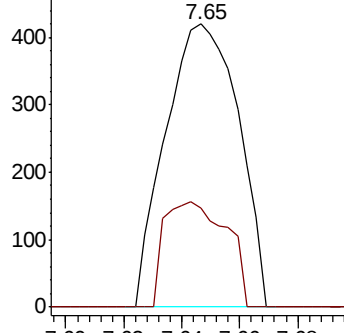
75 100

77 34.8 21.0 39.0



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#47

Tetrachloroethene

Concen: 55.375 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV015542.D

Acq: 16 Apr 2020 17:22

Tgt Ion:164 Resp: 313748

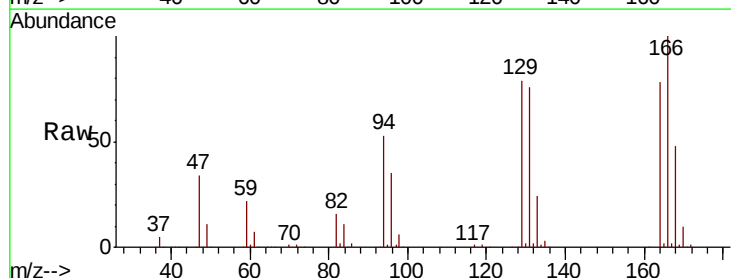
Ion Ratio Lower Upper

164 100

129 100.4 70.6 131.0

131 97.0 68.3 126.8

166 127.8 88.3 163.9

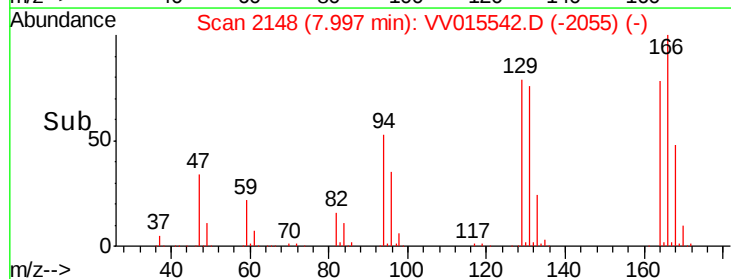
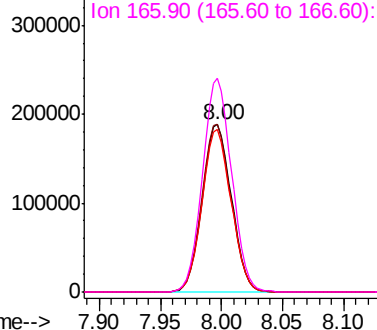


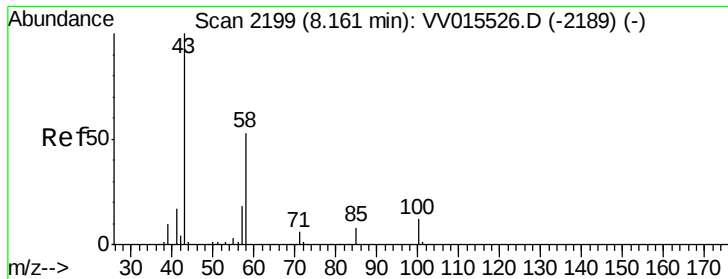
Abundance Ion 163.90 (163.60 to 164.60): V

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

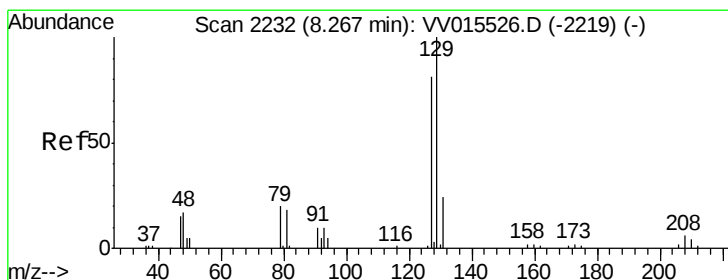
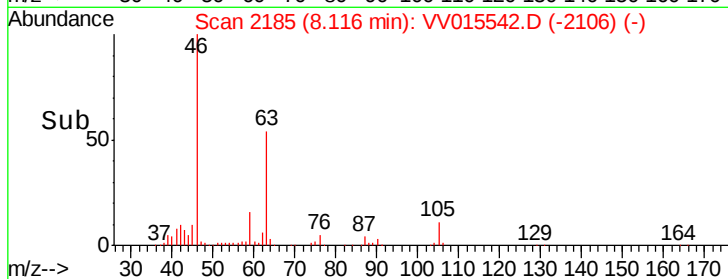
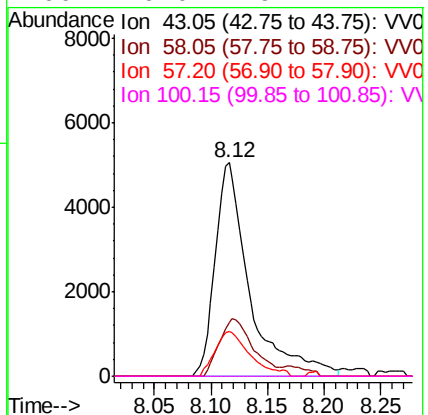
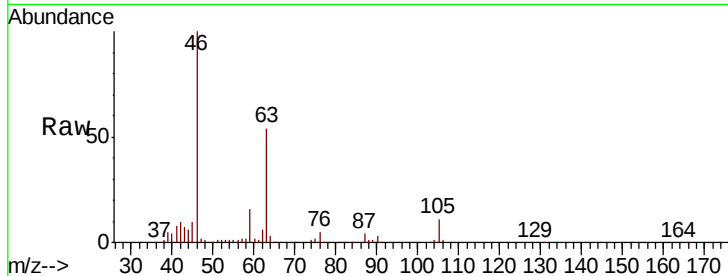




#48
2-Hexanone
Concen: 3.335 ug/L
RT: 8.12 min Scan# 2185
Delta R.T. -0.04 min
Lab File: VV015542.D
Acq: 16 Apr 2020 17:22

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 10782
Ion Ratio Lower Upper
43 100
58 26.3 41.4 62.0#
57 21.3 15.0 22.4
100 0.0 9.4 14.2#



#49
Dibromochloromethane
Concen: 53.730 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.27 min
Lab File: VV015542.D
Acq: 16 Apr 2020 17:22

Tgt Ion: 129 Resp: 304875
Ion Ratio Lower Upper
129 100
127 0.0 54.7 101.7#

