

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040920\
 Data File : VV015431.D
 Acq On : 09 Apr 2020 20:52
 Operator : SY/MD
 Sample : L2188-03
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 10 05:39:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR040920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Apr 10 05:37:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	115388	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	109794	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	52508	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	29641	4.95	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.00%
7) Chloroethane-d5	1.57	69	27479	4.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.80%
11) 1,1-Dichloroethene-d2	2.12	63	43654	3.46	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.20%
20) 2-Butanone-d5	3.97	46	83663	49.77	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.54%
24) Chloroform-d	4.38	84	65772	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.20%
26) 1,2-Dichloroethane-d4	5.06	65	38481	5.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.60%
32) Benzene-d6	5.07	84	128917	5.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.80%
36) 1,2-Dichloropropane-d6	6.09	67	41730	5.50	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	110.00%
41) Toluene-d8	7.34	98	117796	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.40%
43) trans-1,3-Dichloropropene-	7.64	79	16652	5.05	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.00%
46) 2-Hexanone-d5	8.12	63	86313	54.24	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.48%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	30972	5.14	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.80%
64) 1,2-Dichlorobenzene-d4	11.65	152	44713	5.30	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.00%

Target Compounds

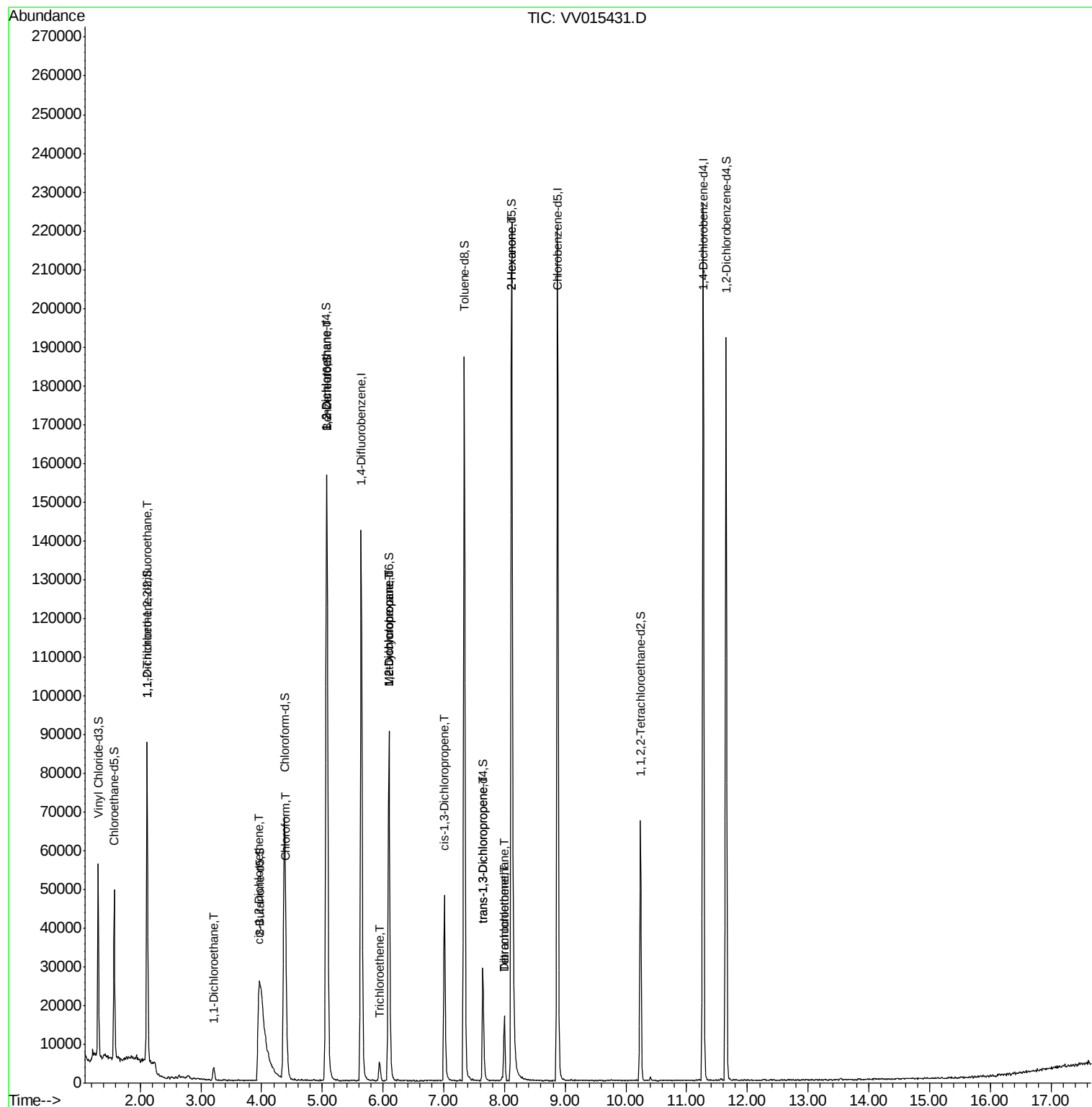
					Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1516	0.200 ug/L #	80
19) 1,1-Dichloroethane	3.21	63	4009	0.261 ug/L	99
22) cis-1,2-Dichloroethene	3.95	96	1995	0.235 ug/L	94
25) Chloroform	4.41	83	14009	0.890 ug/L	97
27) 1,2-Dichloroethane	5.08	62	809	0.079 ug/L #	77
34) Trichloroethene	5.94	95	1781	0.201 ug/L	94
35) Methylcyclohexane	6.10	83	10067	0.676 ug/L #	16
37) 1,2-Dichloropropane	6.10	63	4859	0.596 ug/L #	86
39) cis-1,3-Dichloropropene	7.01	75	1375	0.110 ug/L #	66
44) trans-1,3-Dichloropropene	7.65	75	705	0.067 ug/L	88
47) Tetrachloroethene	8.00	164	3615	0.552 ug/L	92
48) 2-Hexanone	8.12	43	12263	3.279 ug/L #	74
49) Dibromochloromethane	8.00	129	3476	0.530 ug/L #	10

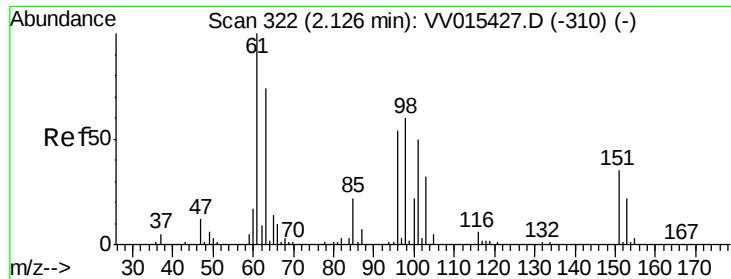
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Apr 10 05:37:21 2020
Response via : Initial Calibration





#10

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

Concen: 0.200 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.00 min

Lab File: VV015431.D

Acq: 09 Apr 2020 20:52

Instrument :

MSVOA_V

ClientSampled :

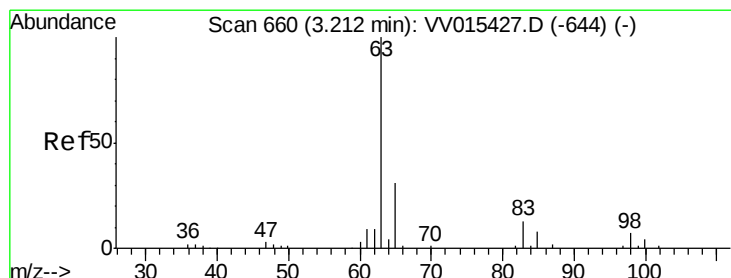
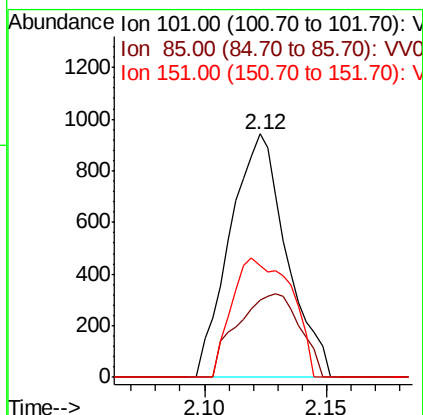
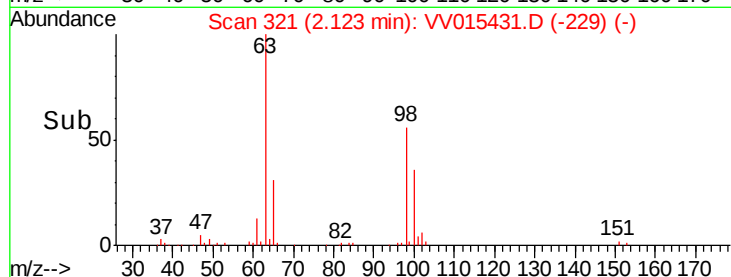
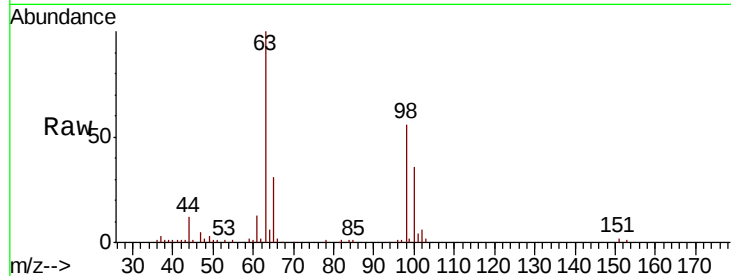
Tot Ion:101 Resp: 1516

Ion Ratio Lower Upper

101 100

85 37.9 36.3 54.5

151 51.8 58.2 87.4#



#19

1,1-Dichloroethane

Concen: 0.261 ug/L

RT: 3.21 min Scan# 659

Delta R.T. -0.00 min

Lab File: VV015431.D

Acq: 09 Apr 2020 20:52

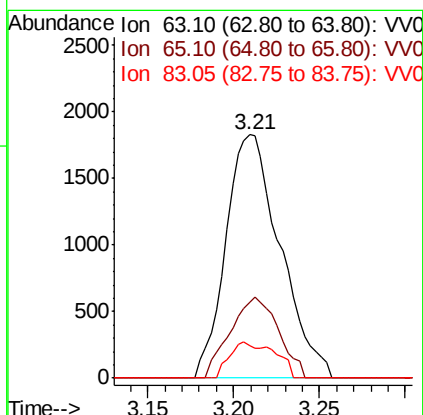
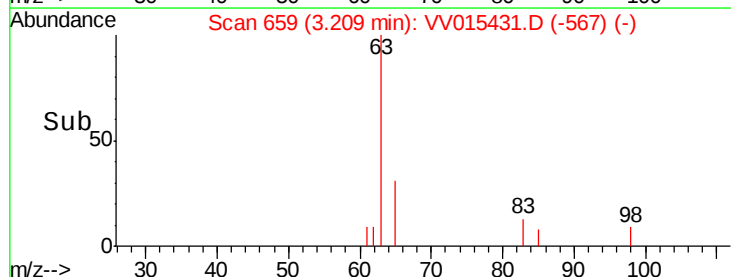
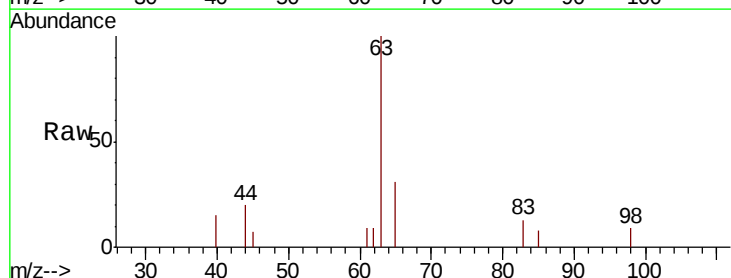
Tgt Ion: 63 Resp: 4009

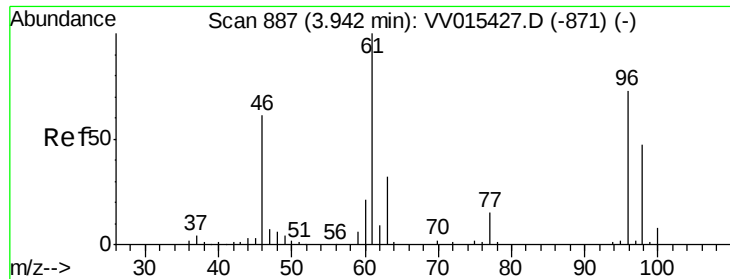
Ion Ratio Lower Upper

63 100

65 31.4 21.3 39.6

83 13.4 9.4 17.6

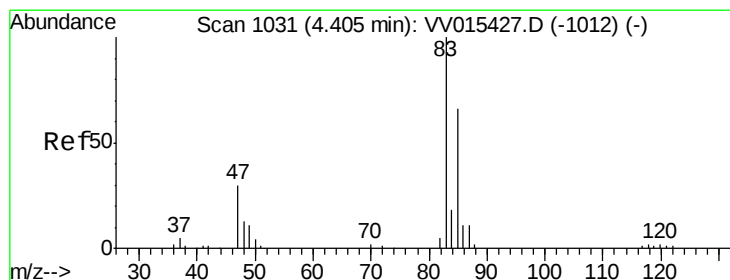
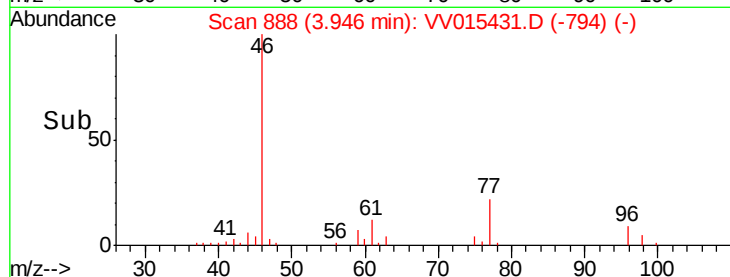
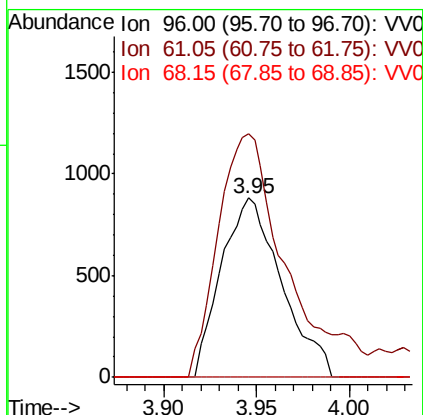
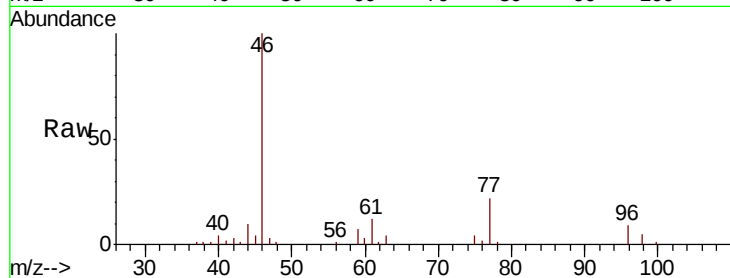




#22
 cis-1,2-Dichloroethene
 Concen: 0.235 ug/L
 RT: 3.95 min Scan# 888
 Delta R.T. 0.00 min
 Lab File: VV015431.D
 Acq: 09 Apr 2020 20:52

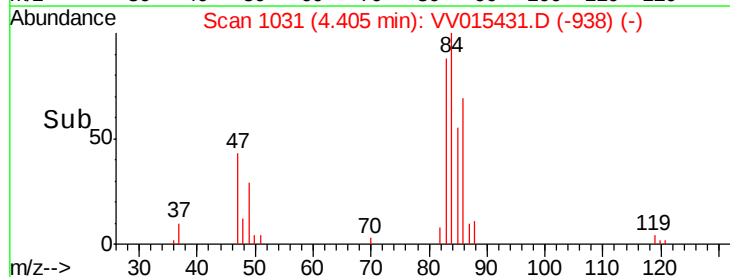
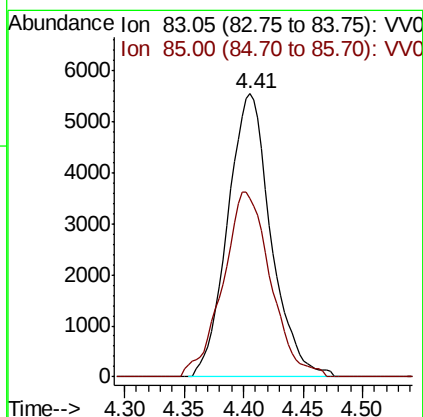
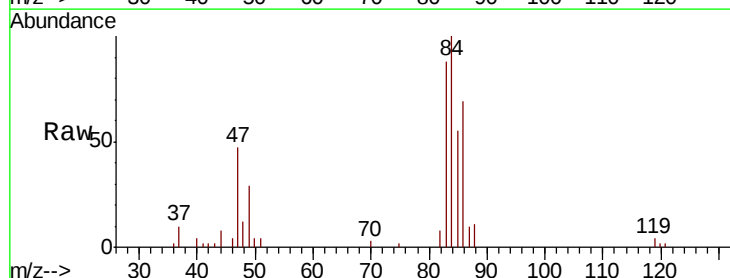
Instrument :
 MSVOA_V
 ClientSampleId :

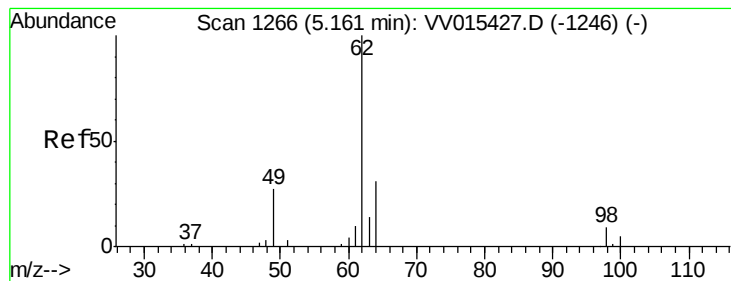
Tot Ion: 96 Resp: 1995
 Ion Ratio Lower Upper
 96 100
 61 135.9 100.0 185.8
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 0.890 ug/L
 RT: 4.41 min Scan# 1031
 Delta R.T. 0.00 min
 Lab File: VV015431.D
 Acq: 09 Apr 2020 20:52

Tgt Ion: 83 Resp: 14009
 Ion Ratio Lower Upper
 83 100
 85 63.1 45.9 85.3





#27

1,2-Dichloroethane

Concen: 0.079 ug/L

RT: 5.08 min Scan# 1240

Delta R.T. -0.08 min

Lab File: VV015431.D

Acq: 09 Apr 2020 20:52

Instrument :

MSVOA_V

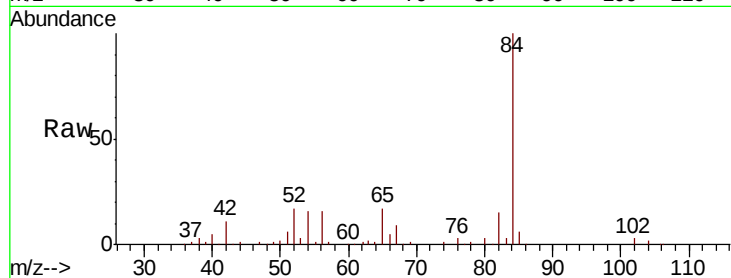
ClientSampleId :

Tot Ion: 62 Resp: 809

Ion Ratio Lower Upper

62 100

98 0.0 6.6 10.0#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.05 (97.75 to 98.75): VV0

5.08

400

300

200

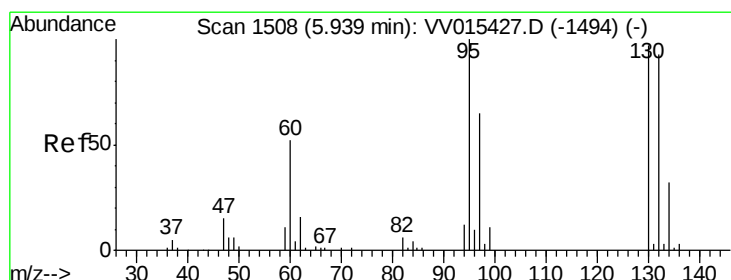
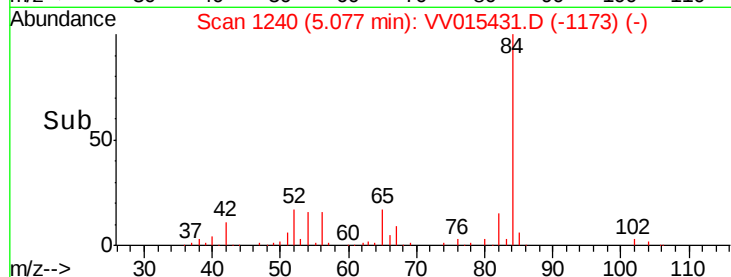
100

0

5.05

5.10

Time-->



#34

Trichloroethene

Concen: 0.201 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.00 min

Lab File: VV015431.D

Acq: 09 Apr 2020 20:52

Tgt Ion: 95 Resp: 1781

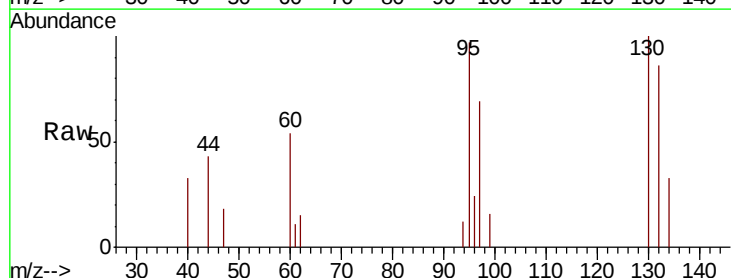
Ion Ratio Lower Upper

95 100

97 71.3 45.4 84.4

132 88.7 64.8 120.4

130 102.9 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): V

Ion 129.95 (129.65 to 130.65): V

1000

500

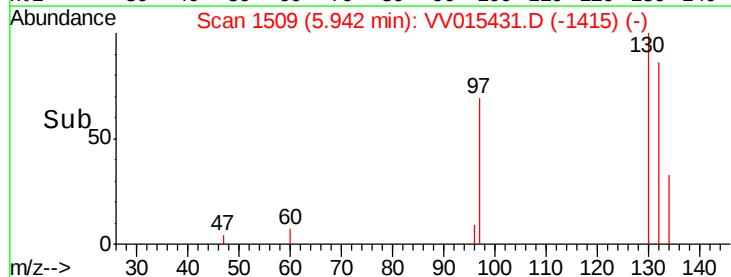
0

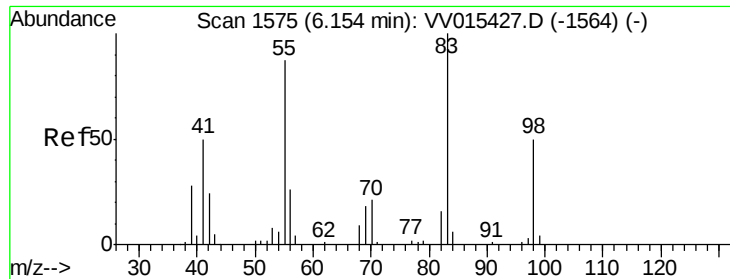
5.90

5.95

6.00

Time-->

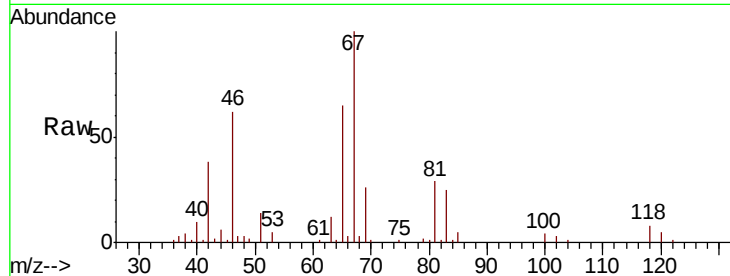




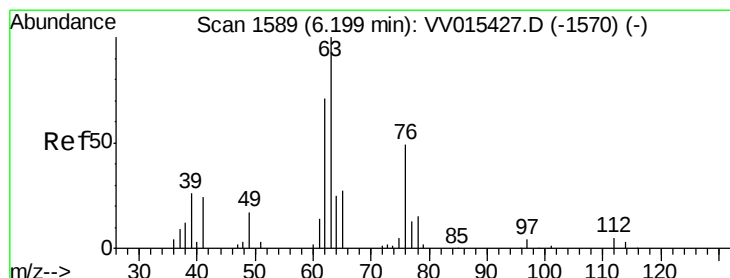
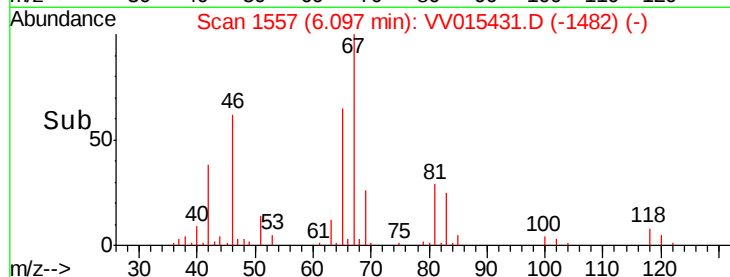
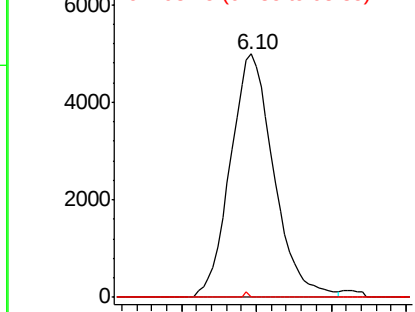
#35
Methvlcvclohexane
Concen: 0.676 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.06 min
Lab File: VV015431.D
Acq: 09 Apr 2020 20:52

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 10067
Ion Ratio Lower Upper
83 100
55 0.0 66.6 99.8#
98 0.2 38.7 58.1#

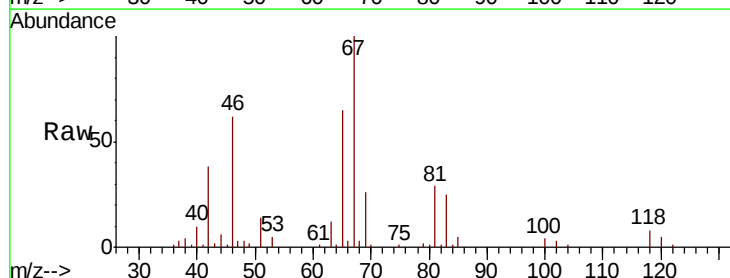


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

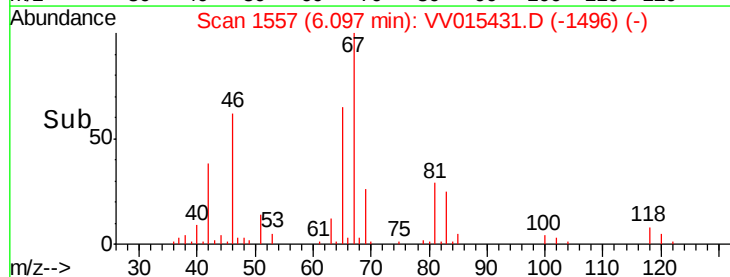
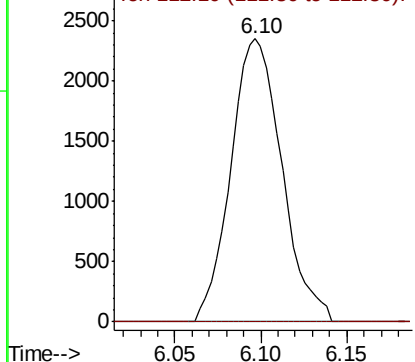


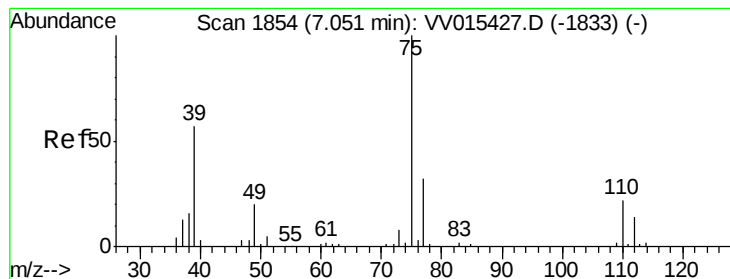
#37
1,2-Dichloropropane
Concen: 0.596 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.10 min
Lab File: VV015431.D
Acq: 09 Apr 2020 20:52

Tgt Ion: 63 Resp: 4859
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#



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



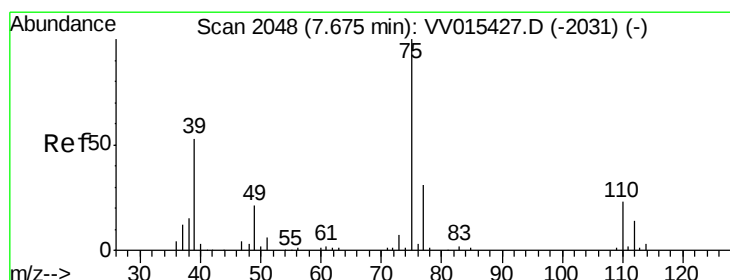
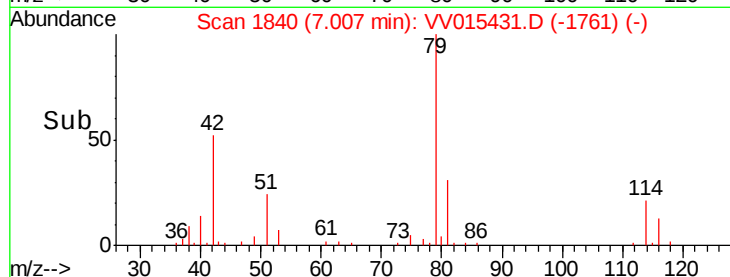
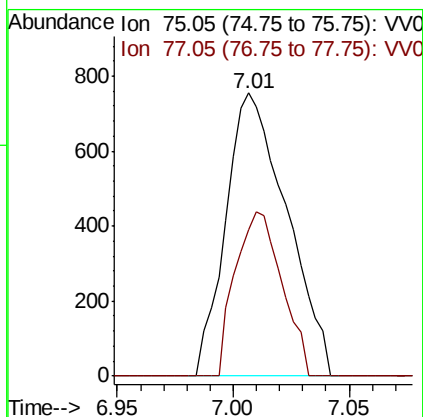
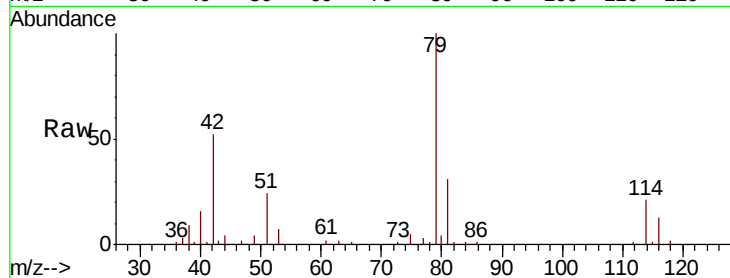


#39

cis-1,3-Dichloropropene
 Concen: 0.110 ug/L
 RT: 7.01 min Scan# 1840
 Delta R.T. -0.04 min
 Lab File: VV015431.D
 Acq: 09 Apr 2020 20:52

Instrument :
 MSVOA_V
 ClientSampleId :

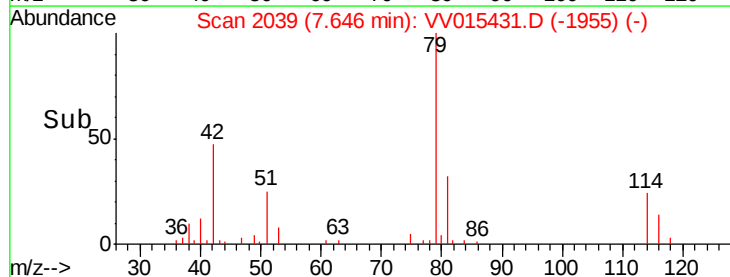
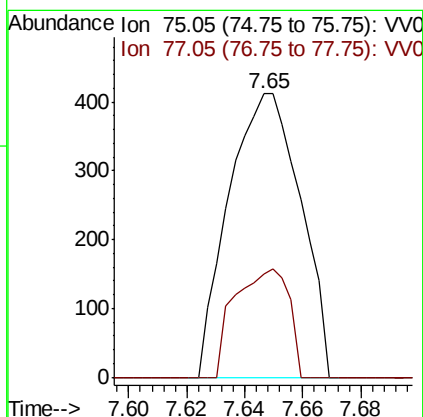
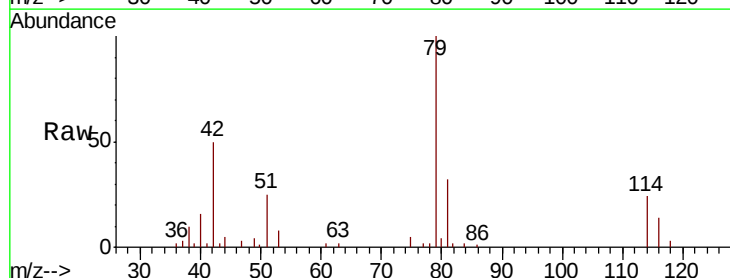
Tot Ion: 75 Resp: 1375
 Ion Ratio Lower Upper
 75 100
 77 51.9 23.0 42.6#

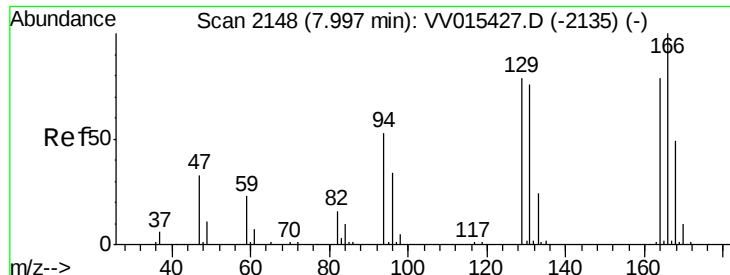


#44

trans-1,3-Dichloropropene
 Concen: 0.067 ug/L
 RT: 7.65 min Scan# 2039
 Delta R.T. -0.03 min
 Lab File: VV015431.D
 Acq: 09 Apr 2020 20:52

Tgt Ion: 75 Resp: 705
 Ion Ratio Lower Upper
 75 100
 77 36.4 21.0 39.0

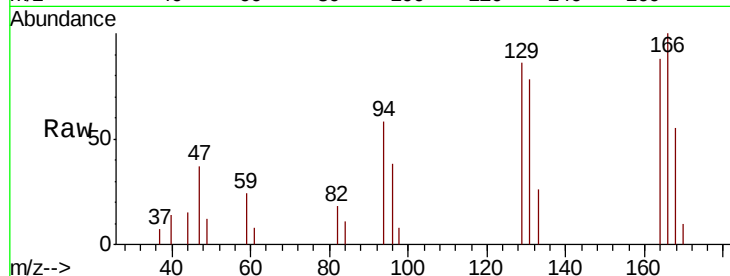




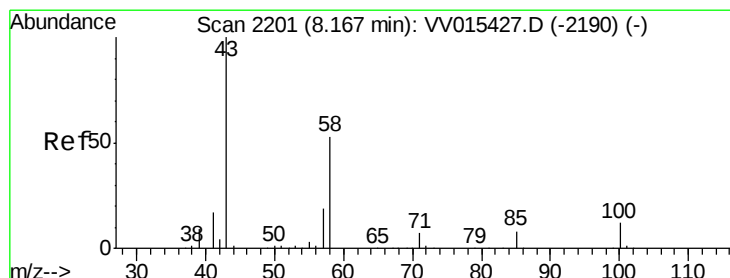
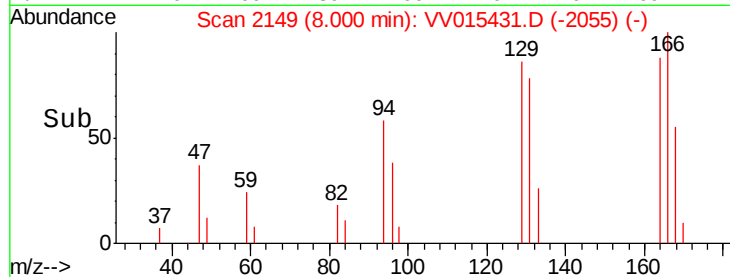
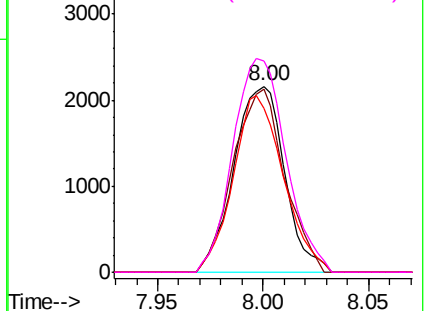
#47
Tetrachloroethene
Concen: 0.552 ug/L
RT: 8.00 min Scan# 2149
Delta R.T. 0.00 min
Lab File: VV015431.D
Acq: 09 Apr 2020 20:52

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	164	Resp:	3615
Ion	Ratio	Lower	Upper
164	100		
129	98.6	70.6	131.0
131	88.5	68.3	126.8
166	114.0	88.3	163.9

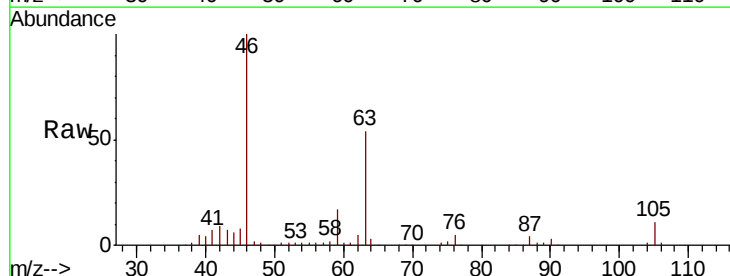


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

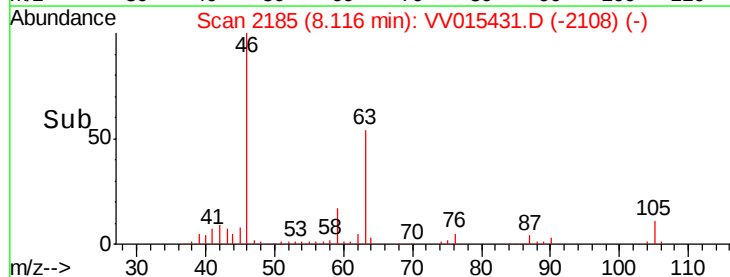
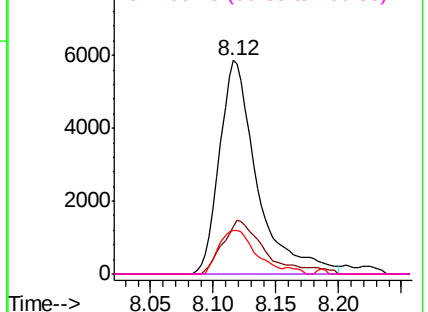


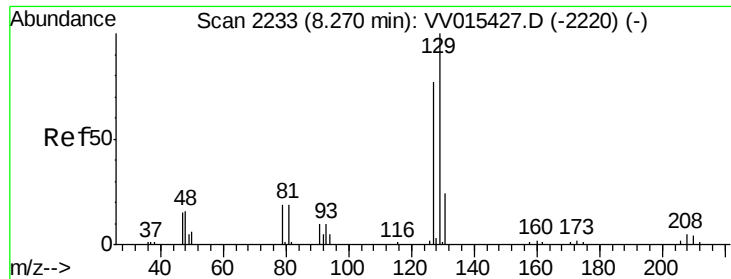
#48
2-Hexanone
Concen: 3.279 ug/L
RT: 8.12 min Scan# 2185
Delta R.T. -0.05 min
Lab File: VV015431.D
Acq: 09 Apr 2020 20:52

Tgt Ion:	43	Resp:	12263
Ion	Ratio	Lower	Upper
43	100		
58	28.2	41.4	62.0#
57	19.7	15.0	22.4
100	0.0	9.4	14.2#



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





#49

Dibromochloromethane

Concen: 0.530 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. -0.27 min

Lab File: VV015431.D

Acq: 09 Apr 2020 20:52

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:129 Resp: 3476

Ion Ratio Lower Upper

129 100

127 0.0 54.7 101.7#

