

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042020\
 Data File : VV015576.D
 Acq On : 20 Apr 2020 12:34
 Operator : SY/MD
 Sample : L2333-15
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 21 00:08:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR040920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Apr 21 00:05:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	94188	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	89446	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	42668	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	21388	4.37	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.40%
7) Chloroethane-d5	1.58	69	22329	4.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.20%
11) 1,1-Dichloroethene-d2	2.12	63	39511	3.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.80%
20) 2-Butanone-d5	3.92	46	73982	53.91	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.82%
24) Chloroform-d	4.38	84	53972	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.80%
26) 1,2-Dichloroethane-d4	5.06	65	29725	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.00%
32) Benzene-d6	5.08	84	98628	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.40%
36) 1,2-Dichloropropane-d6	6.09	67	32101	5.19	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.80%
41) Toluene-d8	7.34	98	88433	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.40%
43) trans-1,3-Dichloropropene-	7.65	79	8518	3.17	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	63.40%
46) 2-Hexanone-d5	8.11	63	52066	40.17	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	80.34%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	23176	4.72	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.40%
64) 1,2-Dichlorobenzene-d4	11.65	152	33423	4.88	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.60%

Target Compounds

					Ovalue
12) 1,1-Dichloroethene	2.13	96	9702	1.641	ug/L # 38
13) Acetone	2.20	43	3456	3.565	ug/L # 57
15) Methyl Acetate	2.37	43	2870	1.001	ug/L # 57
19) 1,1-Dichloroethane	3.22	63	1563	0.124	ug/L # 81
21) 2-Butanone	3.94	43	4287	2.736	ug/L # 73
22) cis-1,2-Dichloroethene	3.94	96	3262	0.472	ug/L 71
25) Chloroform	4.41	83	7392	0.575	ug/L 98
29) 1,1,1-Trichloroethane	4.63	97	1695	0.146	ug/L # 85
31) Carbon tetrachloride	4.85	117	2099	0.208	ug/L 98
34) Trichloroethene	5.94	95	26256	3.644	ug/L 98
35) Methylcyclohexane	6.10	83	7954	0.655	ug/L # 15
37) 1,2-Dichloropropane	6.09	63	4111	0.619	ug/L # 86
44) trans-1,3-Dichloropropene	7.64	75	467	0.054	ug/L # 42
47) Tetrachloroethene	8.00	164	15656	2.933	ug/L 97
48) 2-Hexanone	8.11	43	8093	2.657	ug/L # 88
49) Dibromochloromethane	8.00	129	14878	2.783	ug/L # 10

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QLast Update : Tue Apr 21 00:05:52 2020
Response via : Initial Calibration

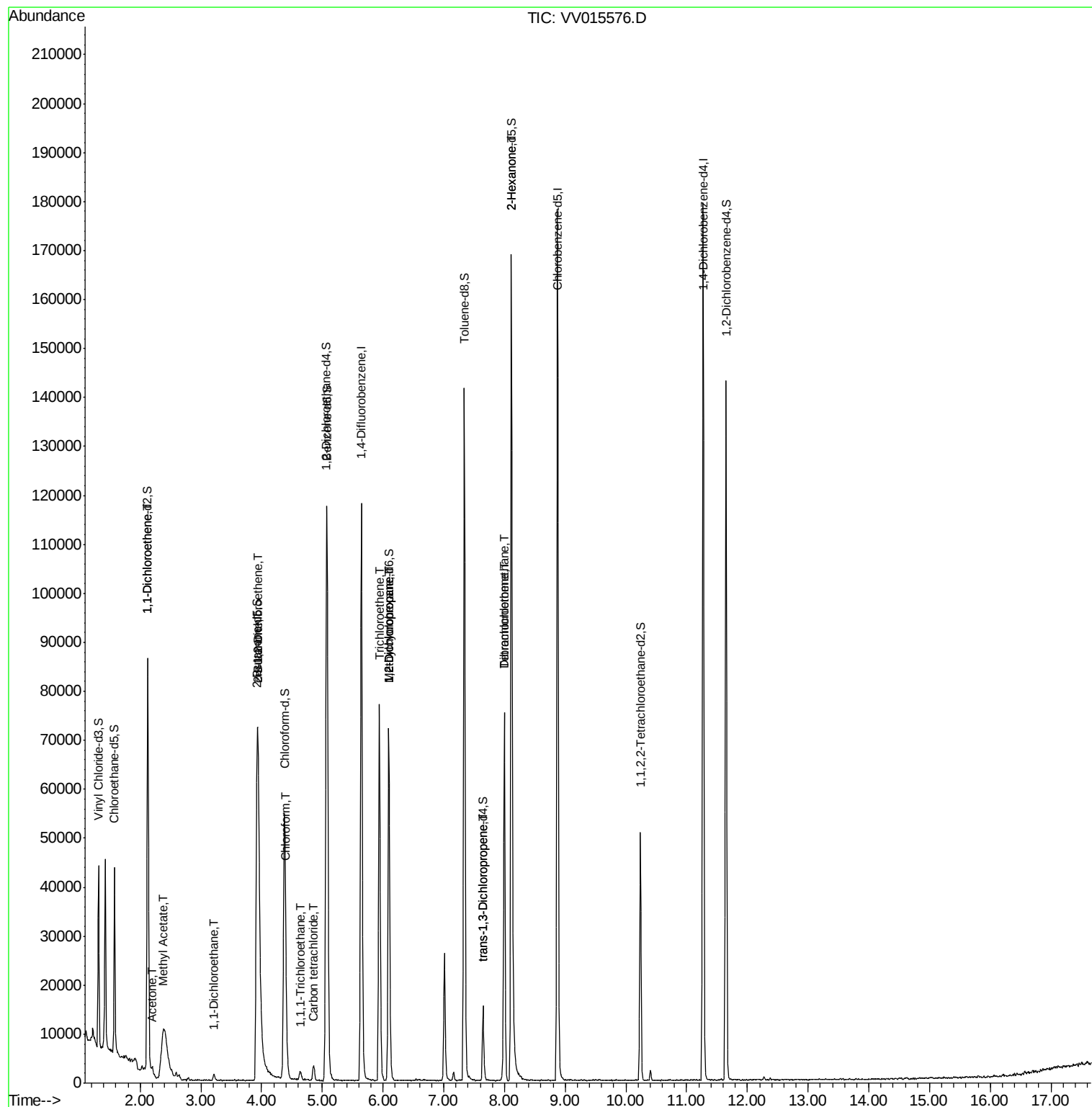
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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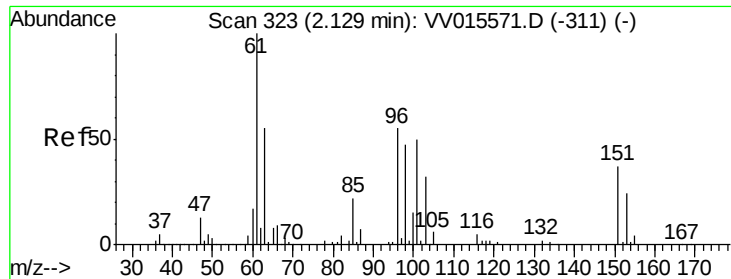
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 1.641 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV015576.D

Acq: 20 Apr 2020 12:34

Instrument :
MSVOA_V
ClientSampleId :

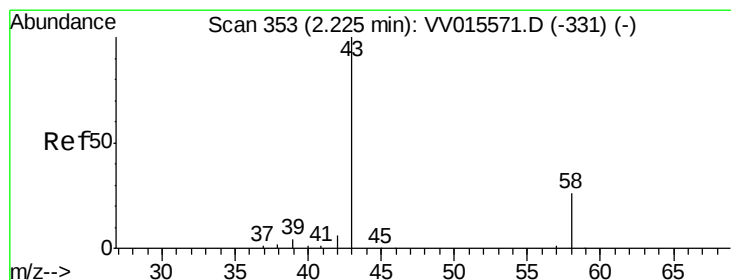
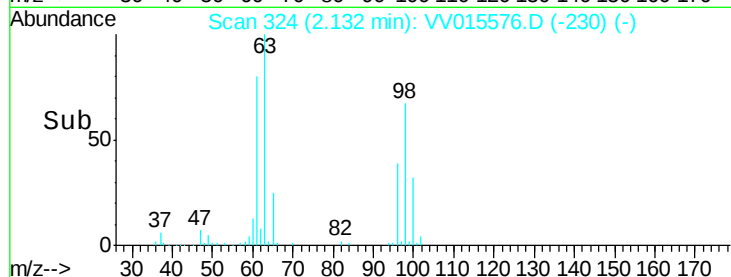
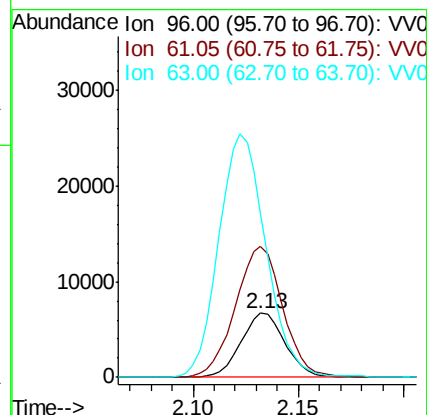
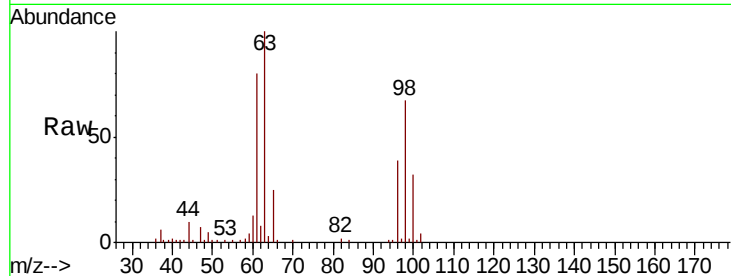
Tot Ion: 96 Resp: 9702

Ion Ratio Lower Upper

96 100

61 203.5 127.7 237.1

63 254.6 75.1 139.5#



#13

Acetone

Concen: 3.565 ug/L

RT: 2.20 min Scan# 344

Delta R.T. -0.03 min

Lab File: VV015576.D

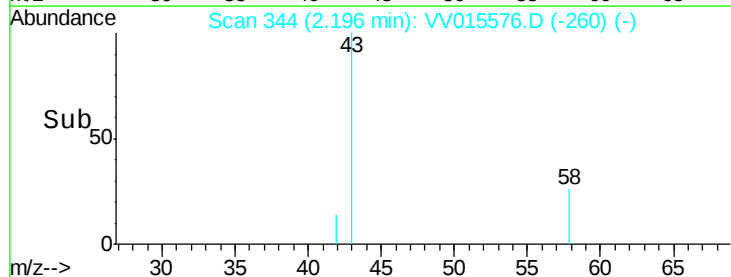
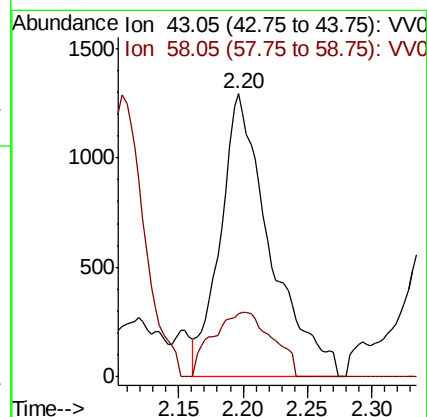
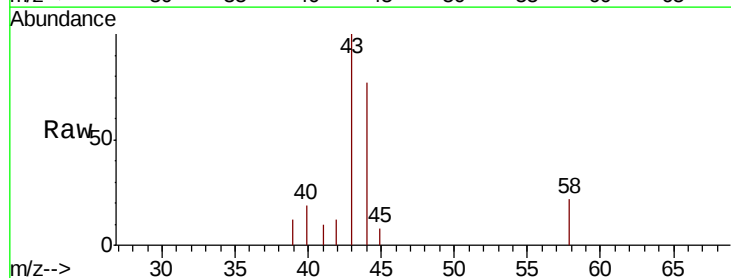
Acq: 20 Apr 2020 12:34

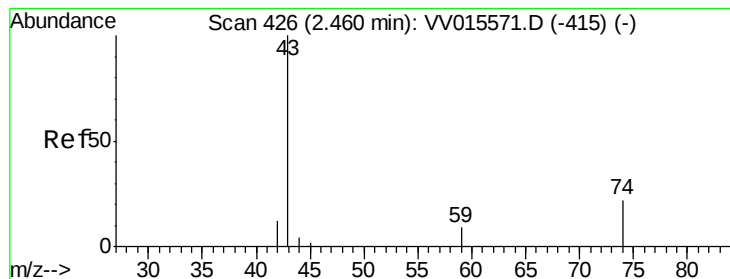
Tgt Ion: 43 Resp: 3456

Ion Ratio Lower Upper

43 100

58 27.4 0.0 22.2#





#15

Methvl Acetate

Concen: 1.001 ug/L

RT: 2.37 min Scan# 398

Delta R.T. -0.09 min

Lab File: VV015576.D

Acq: 20 Apr 2020 12:34

Instrument :

MSVOA_V

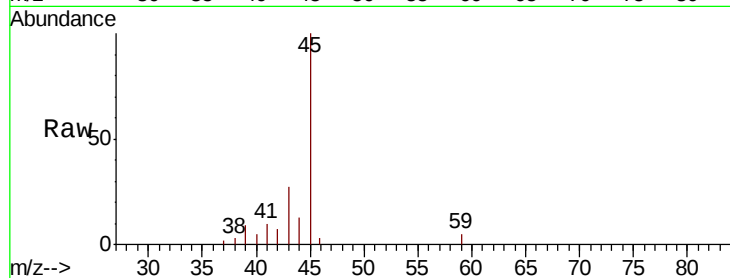
ClientSampleId :

Tot Ion: 43 Resp: 2870

Ion Ratio Lower Upper

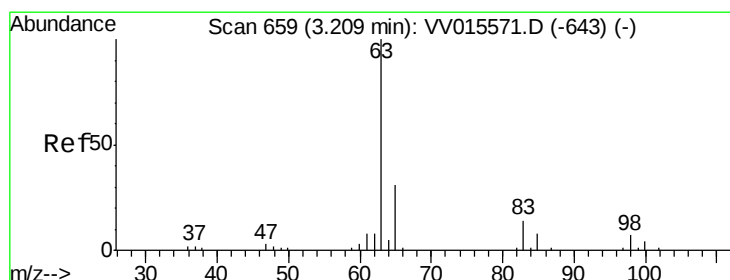
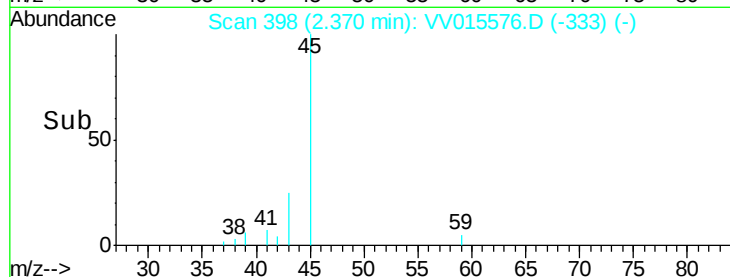
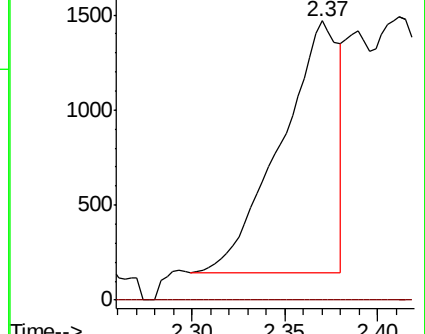
43 100

74 0.0 15.4 23.2#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#19

1,1-Dichloroethane

Concen: 0.124 ug/L

RT: 3.22 min Scan# 661

Delta R.T. 0.01 min

Lab File: VV015576.D

Acq: 20 Apr 2020 12:34

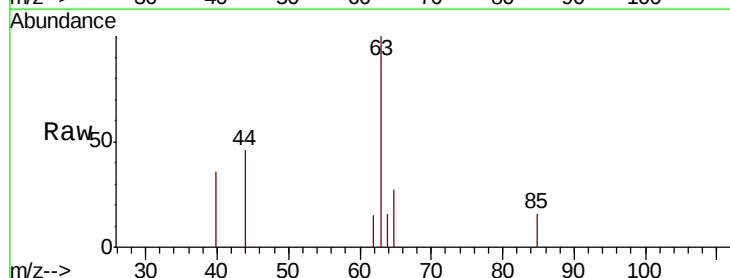
Tgt Ion: 63 Resp: 1563

Ion Ratio Lower Upper

63 100

65 23.7 21.3 39.6

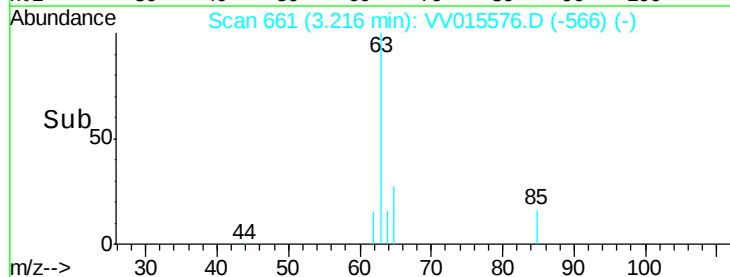
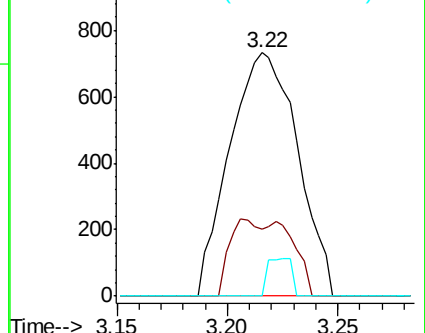
83 0.0 9.4 17.6#

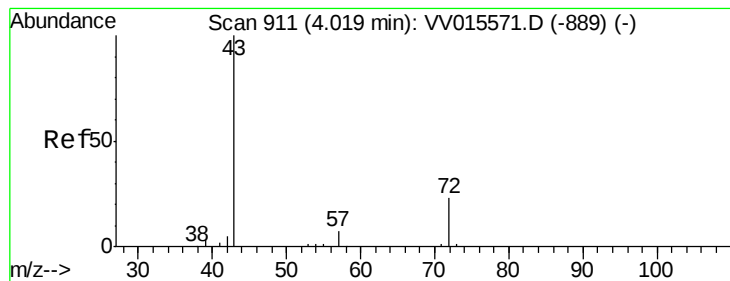


Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0





#21

2-Butanone

Concen: 2.736 ug/L

RT: 3.94 min Scan# 887

Delta R.T. -0.08 min

Lab File: VV015576.D

Acq: 20 Apr 2020 12:34

Instrument :

MSVOA_V

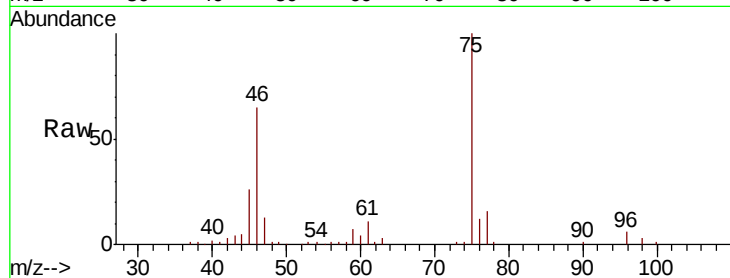
ClientSampled :

Tot Ion: 43 Resp: 4287

Ion Ratio Lower Upper

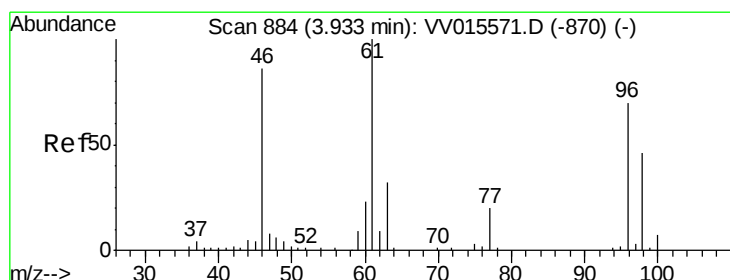
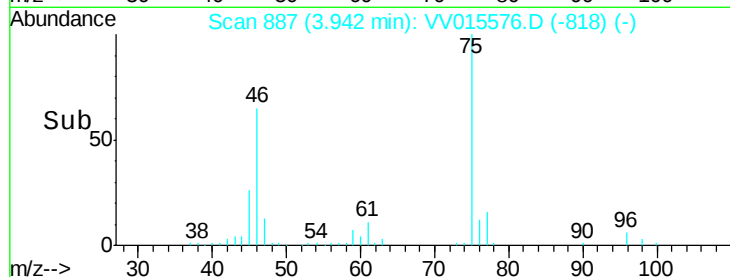
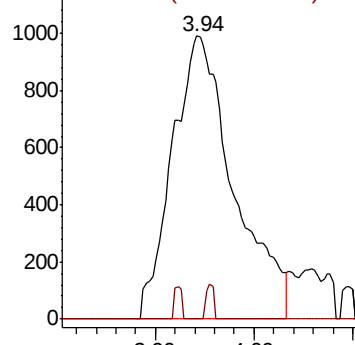
43 100

72 1.5 5.9 17.8#



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 72.00 (71.70 to 72.70): VV0



#22

cis-1,2-Dichloroethene

Concen: 0.472 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.01 min

Lab File: VV015576.D

Acq: 20 Apr 2020 12:34

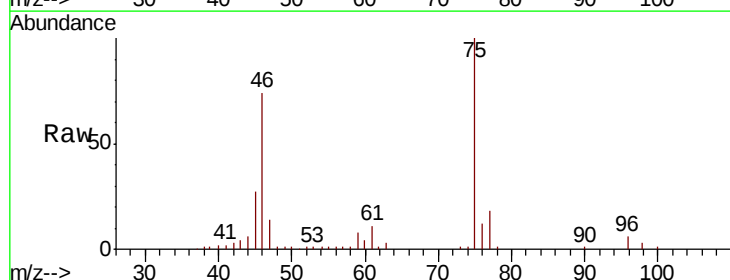
Tgt Ion: 96 Resp: 3262

Ion Ratio Lower Upper

96 100

61 179.1 100.0 185.8

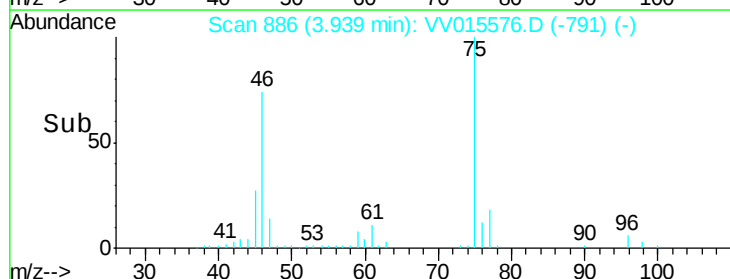
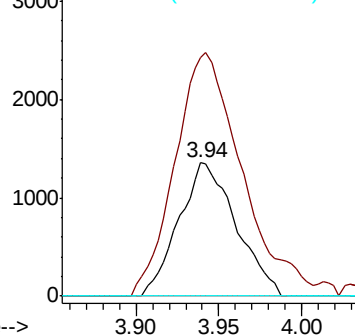
68 0.0 0.0 0.0

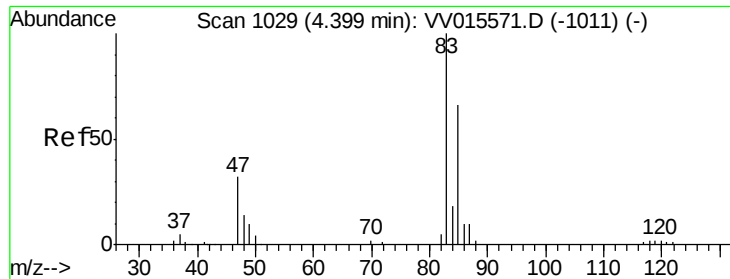


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0

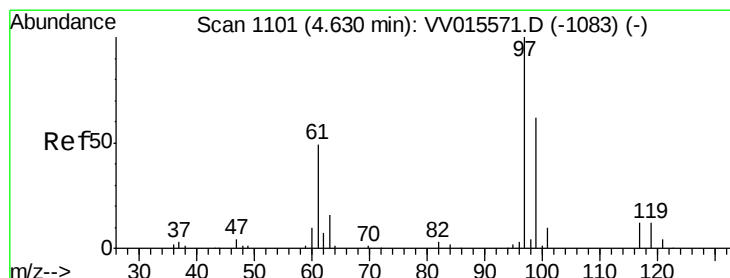
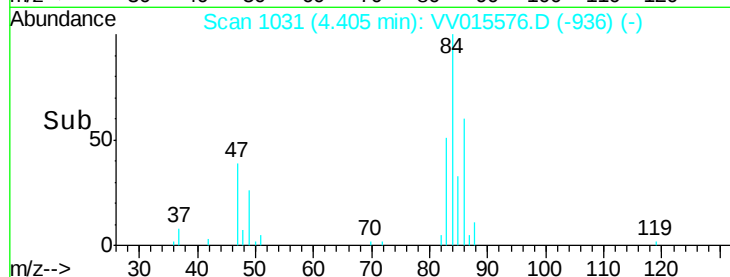
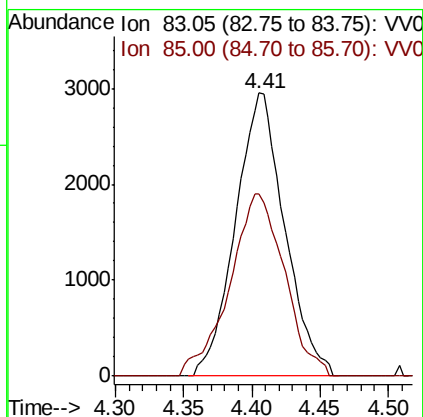
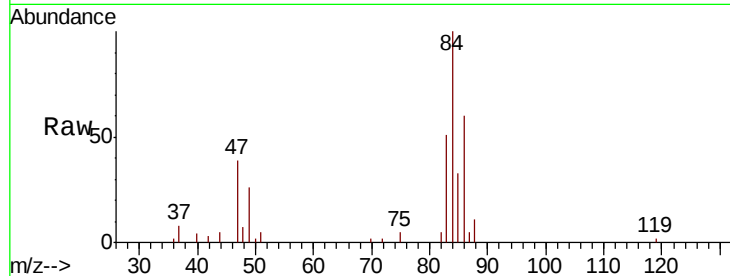




#25
Chloroform
Concen: 0.575 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VV015576.D
Acq: 20 Apr 2020 12:34

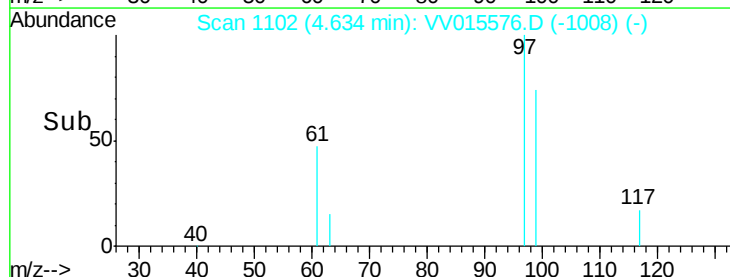
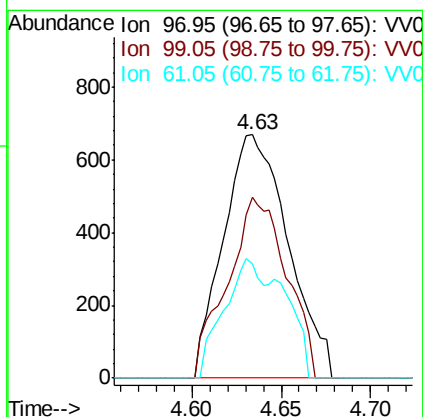
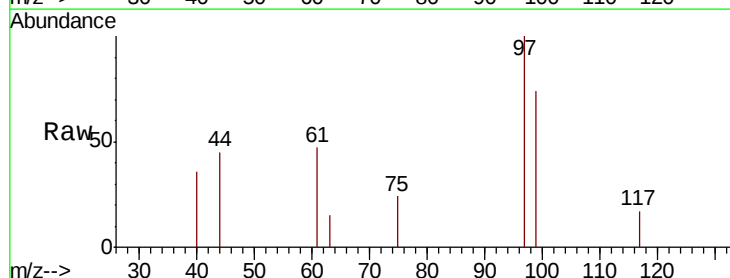
Instrument :
MSVOA_V
ClientSampleId :

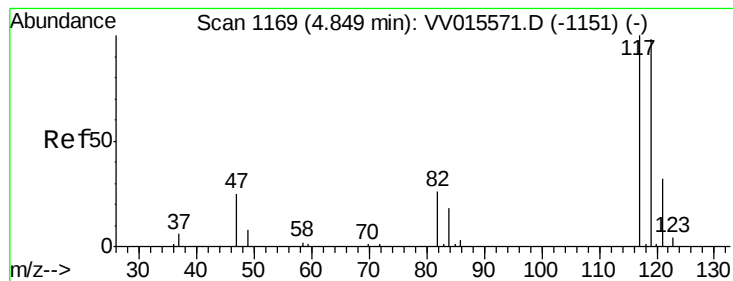
Tot Ion: 83 Resp: 7392
Ion Ratio Lower Upper
83 100
85 64.2 45.9 85.3



#29
1,1,1-Trichloroethane
Concen: 0.146 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV015576.D
Acq: 20 Apr 2020 12:34

Tgt Ion: 97 Resp: 1695
Ion Ratio Lower Upper
97 100
99 67.8 51.6 77.4
61 28.4 39.0 58.6#





#31

Carbon tetrachloride

Concen: 0.208 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV015576.D

Acq: 20 Apr 2020 12:34

Instrument :

MSVOA_V

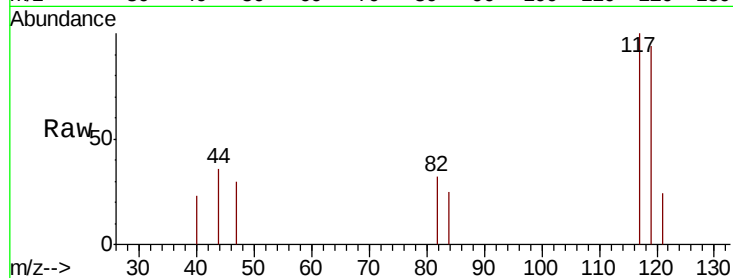
ClientSampleId :

Tot Ion:117 Resp: 2099

Ion Ratio Lower Upper

117 100

119 94.2 76.6 115.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.85

1000

800

600

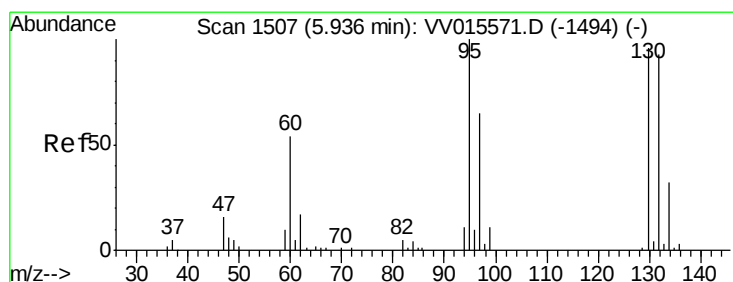
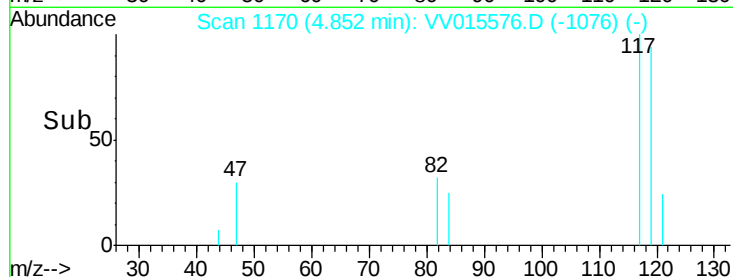
400

200

0

4.80 4.85 4.90

Time-->



#34

Trichloroethene

Concen: 3.644 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV015576.D

Acq: 20 Apr 2020 12:34

Tgt Ion: 95 Resp: 26256

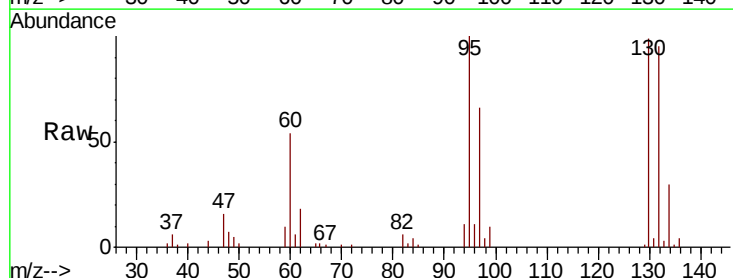
Ion Ratio Lower Upper

95 100

97 66.3 45.4 84.4

132 94.9 64.8 120.4

130 99.0 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

20000

15000

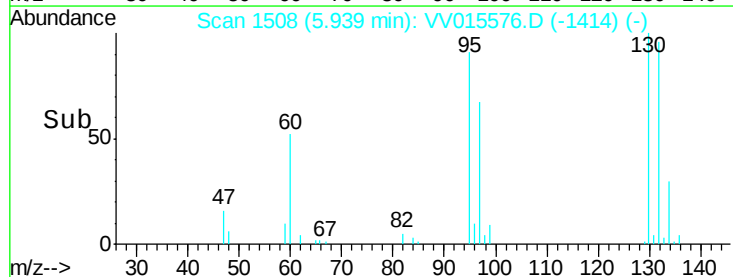
10000

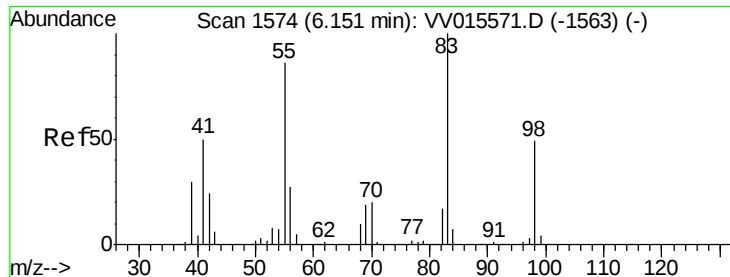
5000

0

5.85 5.90 5.95 6.00 6.05

Time-->

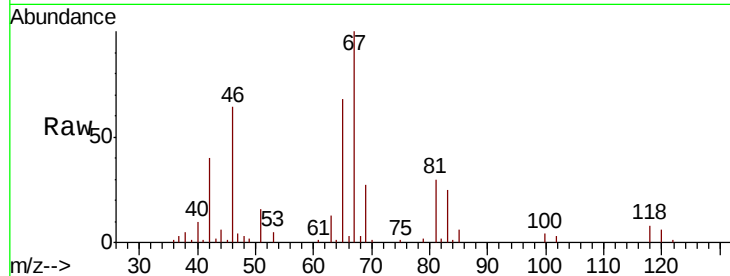




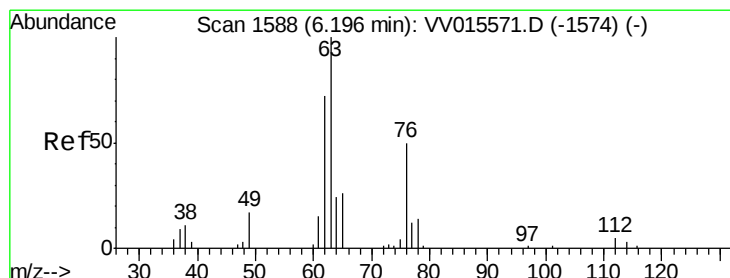
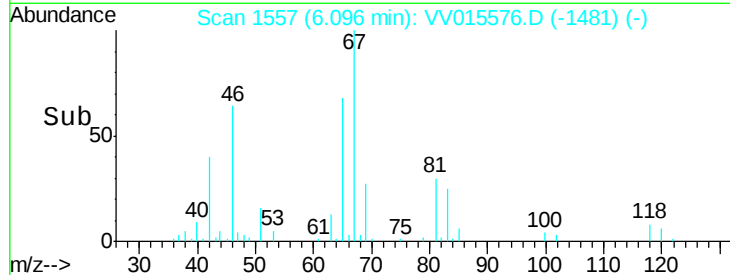
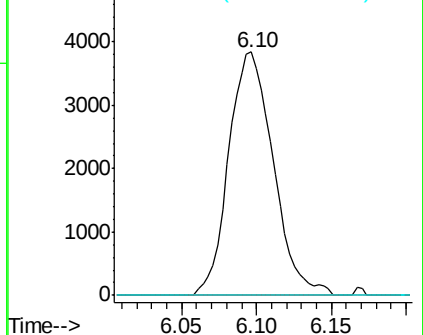
#35
Methvlcvclohexane
Concen: 0.655 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.05 min
Lab File: VV015576.D
Acq: 20 Apr 2020 12:34

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 7954
Ion Ratio Lower Upper
83 100
55 0.0 66.6 99.8#
98 0.0 38.7 58.1#

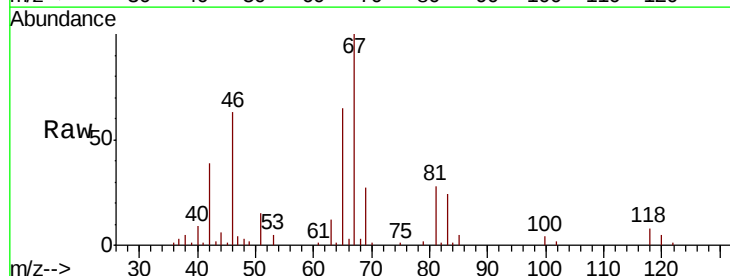


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

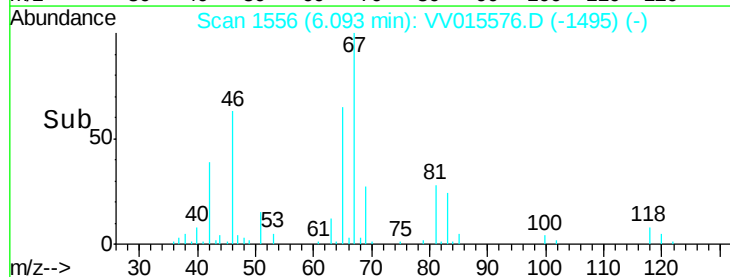
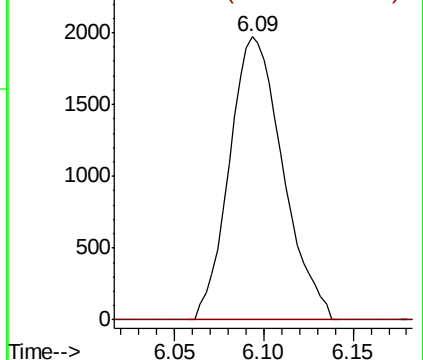


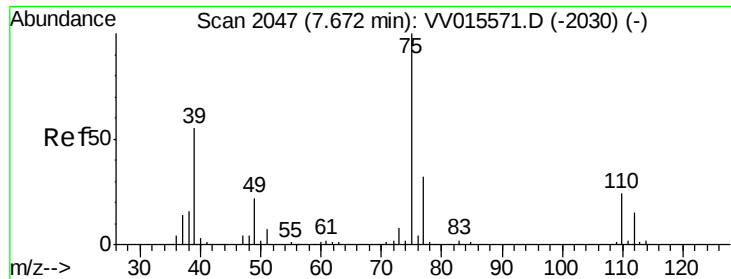
#37
1,2-Dichloropropane
Concen: 0.619 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.10 min
Lab File: VV015576.D
Acq: 20 Apr 2020 12:34

Tgt Ion: 63 Resp: 4111
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





#44

trans-1,3-Dichloropropene

Concen: 0.054 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. -0.03 min

Lab File: VV015576.D

Acq: 20 Apr 2020 12:34

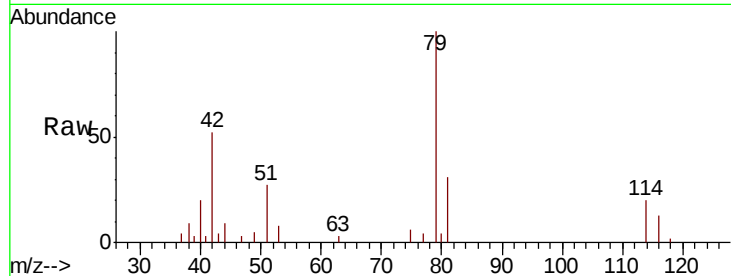
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 75 Resp: 467

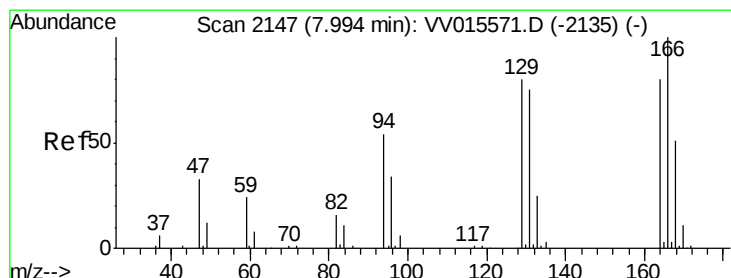
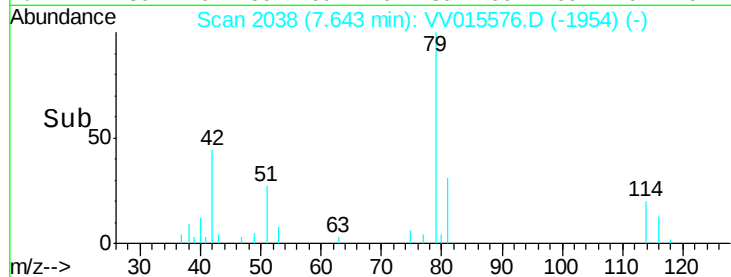
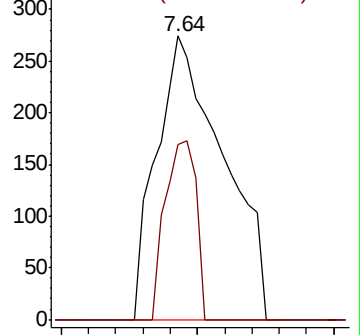
Ion Ratio Lower Upper

75 100

77 61.7 21.0 39.0#



Abundance Ion 75.05 (74.75 to 75.75): VV015571.D (-2030) (-)



#47

Tetrachloroethene

Concen: 2.933 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV015576.D

Acq: 20 Apr 2020 12:34

Tgt Ion: 164 Resp: 15656

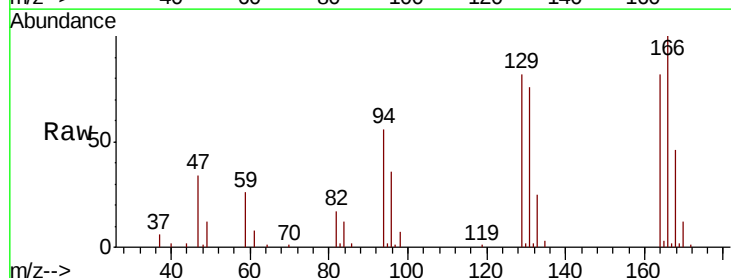
Ion Ratio Lower Upper

164 100

129 100.5 70.6 131.0

131 93.3 68.3 126.8

166 122.2 88.3 163.9

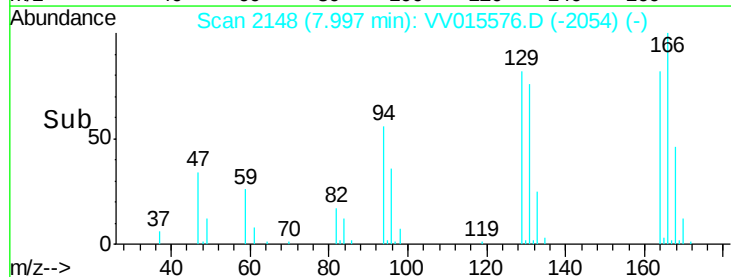
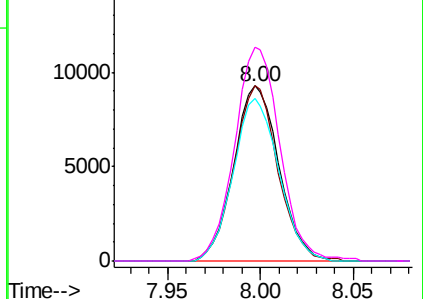


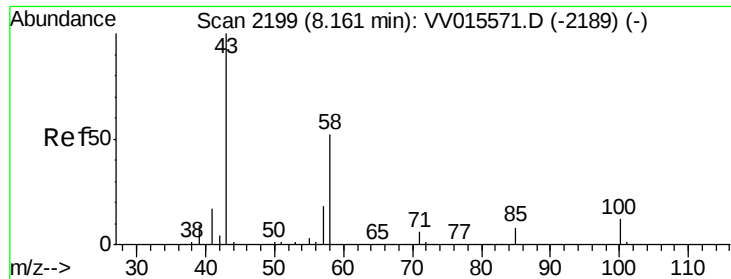
Abundance Ion 163.90 (163.60 to 164.60): VV015576.D (-2054) (-)

Ion 128.95 (128.65 to 129.65): VV015576.D (-2054) (-)

Ion 130.95 (130.65 to 131.65): VV015576.D (-2054) (-)

Ion 165.90 (165.60 to 166.60): VV015576.D (-2054) (-)

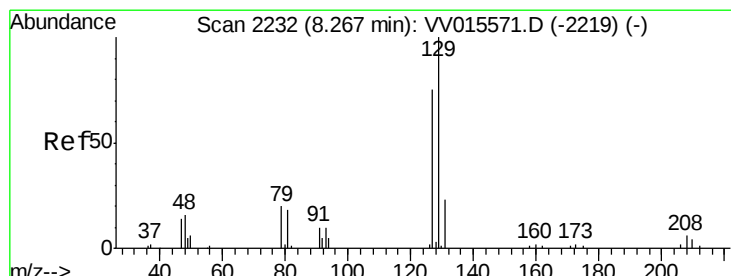
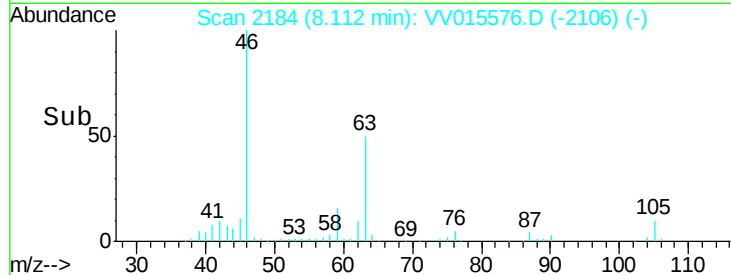
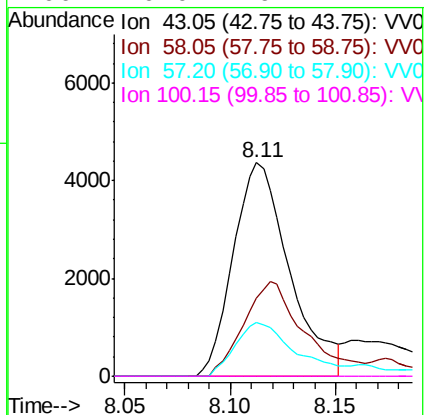
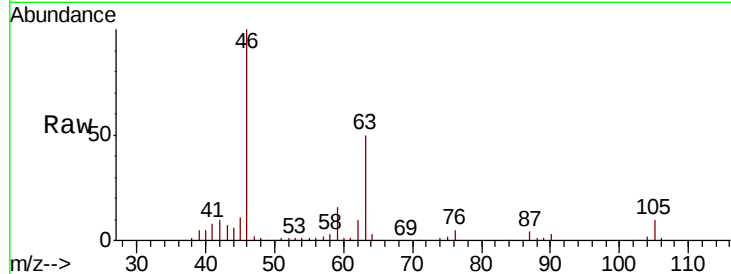




#48
2-Hexanone
Concen: 2.657 ug/L
RT: 8.11 min Scan# 2184
Delta R.T. -0.05 min
Lab File: VV015576.D
Acq: 20 Apr 2020 12:34

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 8093
Ion Ratio Lower Upper
43 100
58 47.8 41.4 62.0
57 26.8 15.0 22.4#
100 0.0 9.4 14.2#



#49
Dibromochloromethane
Concen: 2.783 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.27 min
Lab File: VV015576.D
Acq: 20 Apr 2020 12:34

Tgt Ion: 129 Resp: 14878
Ion Ratio Lower Upper
129 100
127 0.0 54.7 101.7#

