

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042420\
 Data File : VV015679.D
 Acq On : 24 Apr 2020 17:17
 Operator : SY/MD
 Sample : L2370-18
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 25 00:20:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Apr 25 00:15:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	120762	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	116203	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	57219	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	27396	4.34	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.80%
7) Chloroethane-d5	1.58	69	29403	4.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.60%
11) 1,1-Dichloroethene-d2	2.12	63	46297	3.35	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.00%
20) 2-Butanone-d5	3.91	46	117431	57.95	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.90%
24) Chloroform-d	4.38	84	73028	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.40%
26) 1,2-Dichloroethane-d4	5.06	65	43293	5.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.20%
32) Benzene-d6	5.08	84	135546	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
36) 1,2-Dichloropropane-d6	6.09	67	43496	4.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.20%
41) Toluene-d8	7.34	98	123385	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.60%
43) trans-1,3-Dichloropropene-	7.64	79	14496	4.23	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.60%
46) 2-Hexanone-d5	8.11	63	88548	52.98	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.96%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	34689	5.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.20%
64) 1,2-Dichlorobenzene-d4	11.65	152	49406	5.08	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.60%

Target Compounds

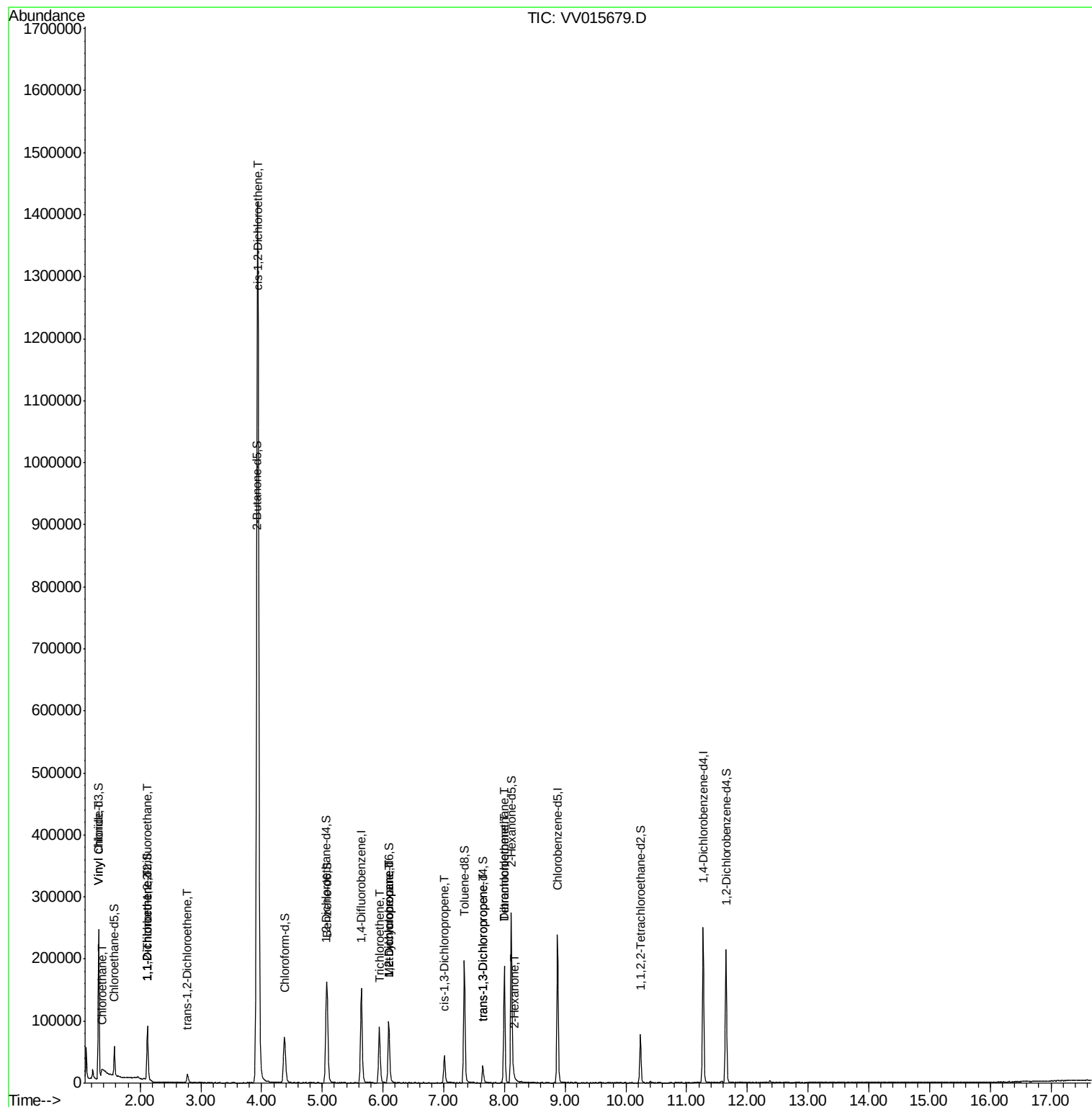
					Ovalue
5) Vinyl chloride	1.32	62	123325	12.904	ug/L 100
8) Chloroethane	1.37	64	18397	2.931	ug/L # 53
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	555	0.073	ug/L # 20
12) 1,1-Dichloroethene	2.13	96	1836	0.261	ug/L # 1
18) trans-1,2-Dichloroethene	2.78	96	4572	0.581	ug/L 95
22) cis-1,2-Dichloroethene	3.94	96	734466	84.408	ug/L 97
34) Trichloroethene	5.94	95	30662	3.344	ug/L 98
35) Methylcyclohexane	6.09	83	11042	0.785	ug/L # 16
37) 1,2-Dichloropropane	6.09	63	5588	0.662	ug/L # 86
39) cis-1,3-Dichloropropene	7.01	75	1336	0.114	ug/L # 70
44) trans-1,3-Dichloropropene	7.65	75	765	0.077	ug/L # 83
47) Tetrachloroethene	8.00	164	37795	5.725	ug/L 96
48) 2-Hexanone	8.16	43	2543	0.651	ug/L # 85
49) Dibromochloromethane	8.00	129	35948	6.039	ug/L # 12

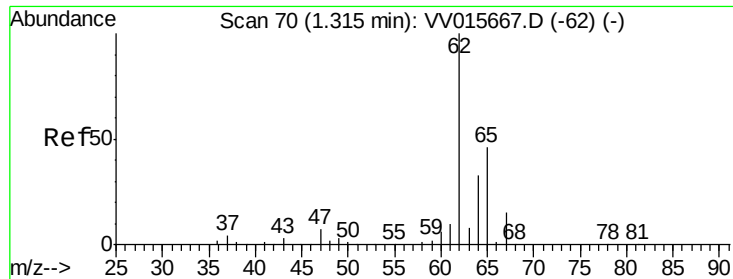
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Apr 25 00:15:39 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 12.904 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV015679.D

Acq: 24 Apr 2020 17:17

Instrument :

MSVOA_V

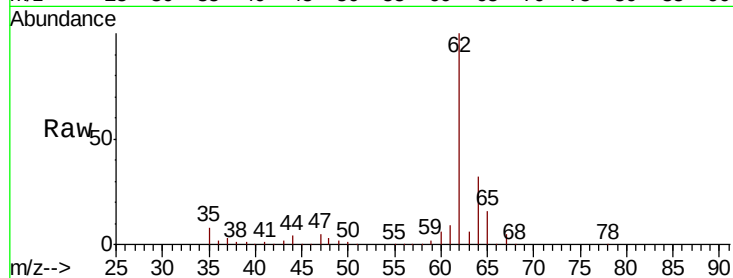
ClientSampleId :

Tot Ion: 62 Resp: 123325

Ion Ratio Lower Upper

62 100

64 32.4 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

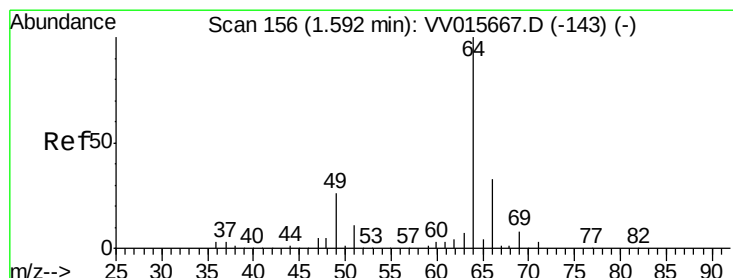
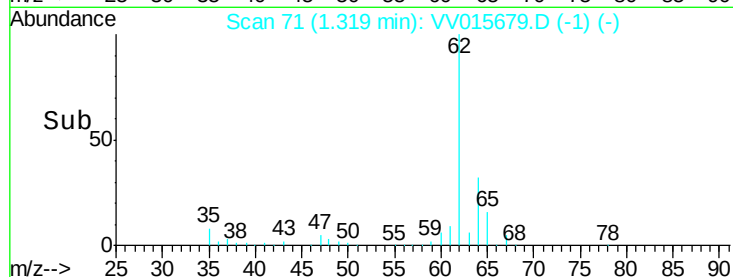
1.32

100000

50000

0

Time-->



#8

Chloroethane

Concen: 2.931 ug/L

RT: 1.37 min Scan# 88

Delta R.T. -0.22 min

Lab File: VV015679.D

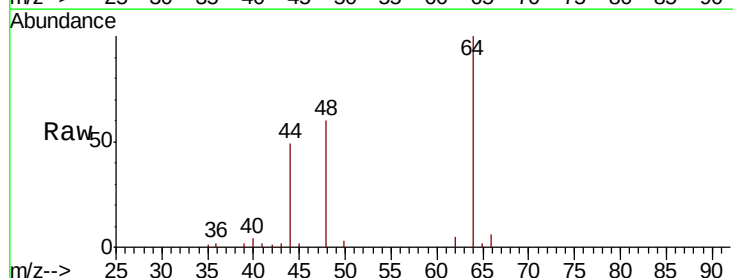
Acq: 24 Apr 2020 17:17

Tgt Ion: 64 Resp: 18397

Ion Ratio Lower Upper

64 100

66 5.6 22.3 41.5#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0

40000

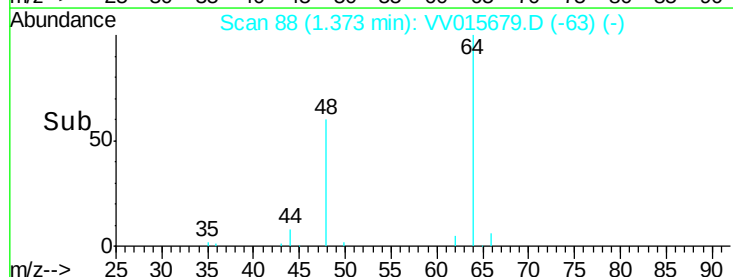
30000

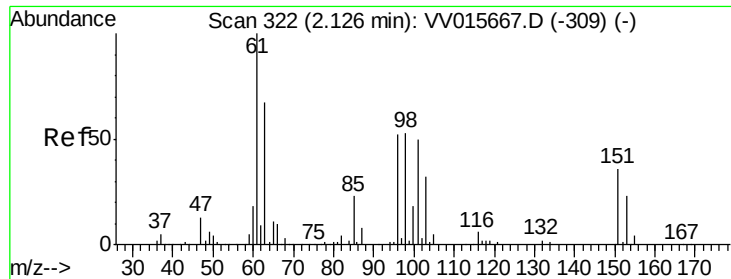
20000

10000

0

Time-->





#10

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

Concen: 0.073 ug/L

RT: 2.13 min Scan# 322

Delta R.T. 0.00 min

Lab File: VV015679.D

Acq: 24 Apr 2020 17:17

Instrument :

MSVOA_V

ClientSampled :

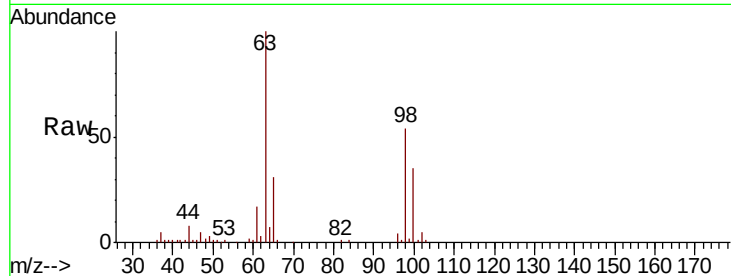
Tot Ion:101 Resp: 555

Ion Ratio Lower Upper

101 100

85 92.1 36.1 54.1#

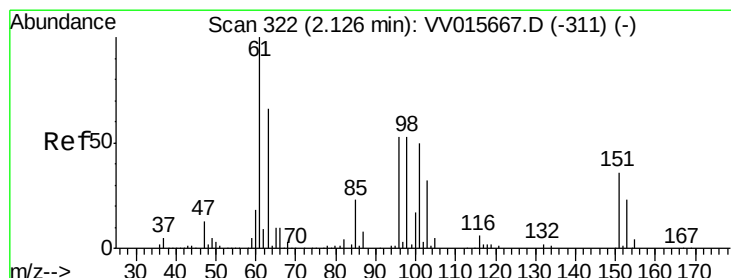
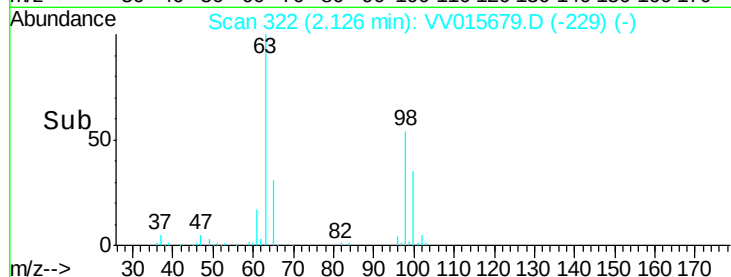
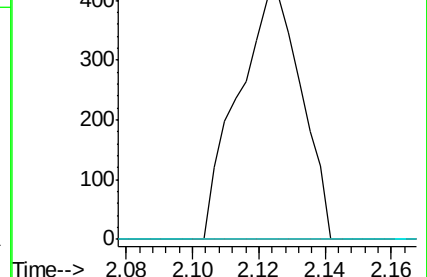
151 0.0 55.2 82.8#



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: 0.261 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.01 min

Lab File: VV015679.D

Acq: 24 Apr 2020 17:17

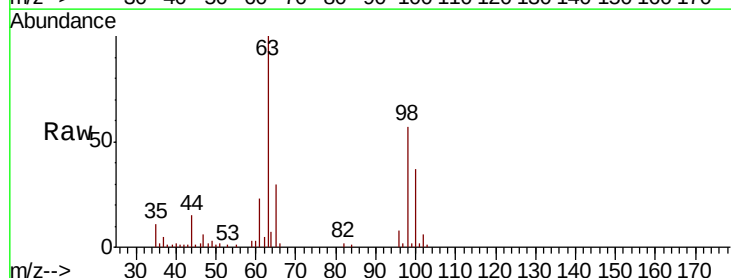
Tgt Ion: 96 Resp: 1836

Ion Ratio Lower Upper

96 100

61 303.3 130.1 241.7#

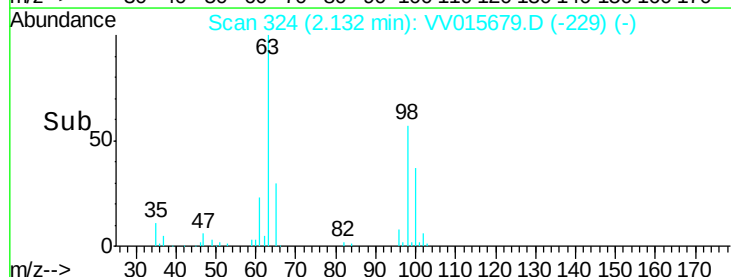
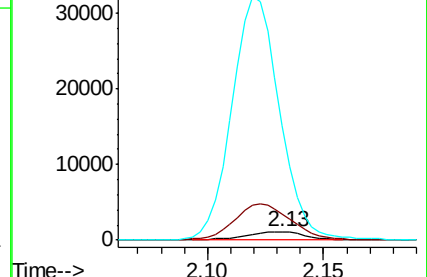
63 1319.0 91.4 169.8#

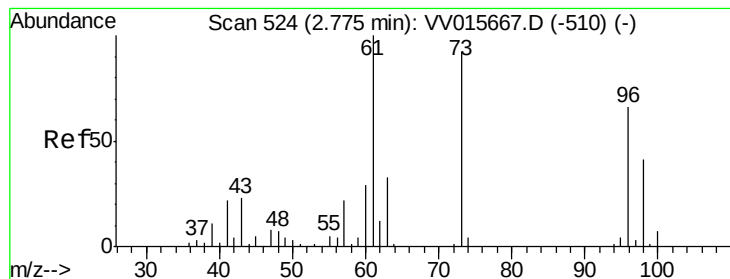


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#18

trans-1,2-Dichloroethene

Concen: 0.581 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.01 min

Lab File: VV015679.D

Acq: 24 Apr 2020 17:17

Instrument :
MSVOA_V
ClientSampleId :

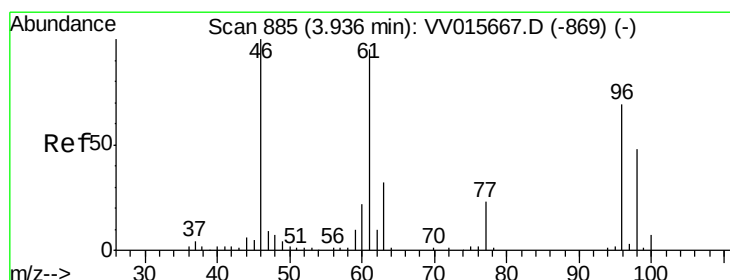
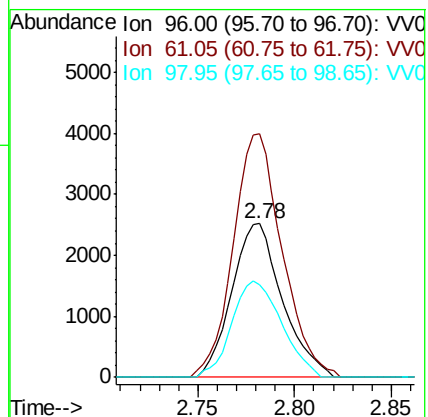
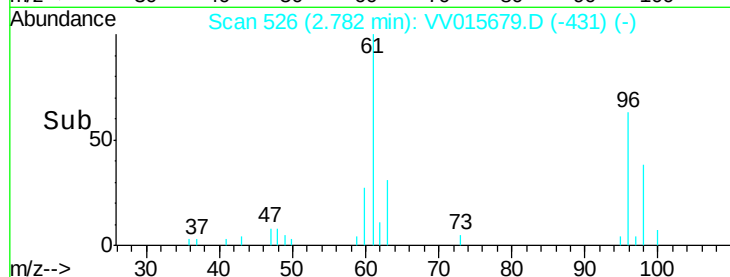
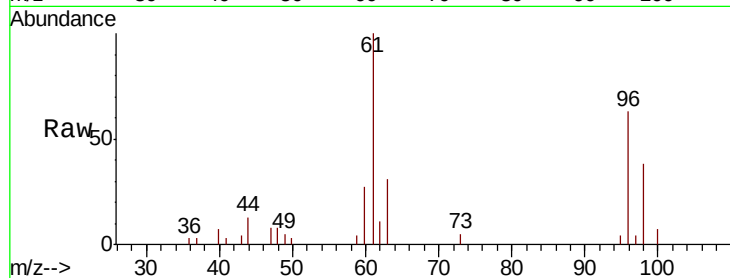
Tot Ion: 96 Resp: 4572

Ion Ratio Lower Upper

96 100

61 158.5 105.5 195.9

98 60.4 44.2 82.0



#22

cis-1,2-Dichloroethene

Concen: 84.408 ug/L

RT: 3.94 min Scan# 885

Delta R.T. 0.00 min

Lab File: VV015679.D

Acq: 24 Apr 2020 17:17

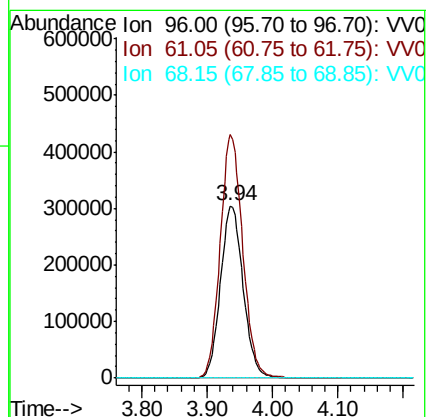
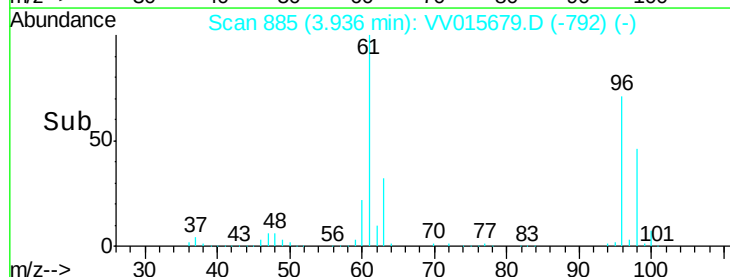
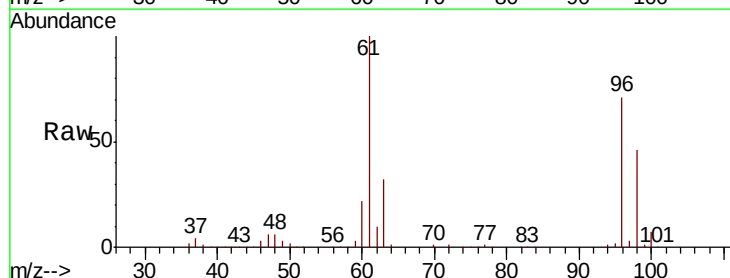
Tgt Ion: 96 Resp: 734466

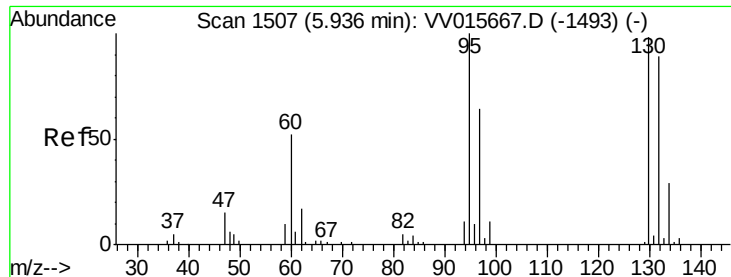
Ion Ratio Lower Upper

96 100

61 141.1 96.4 179.0

68 0.0 0.0 0.0





#34

Trichloroethene

Concen: 3.344 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV015679.D

Acq: 24 Apr 2020 17:17

Instrument :

MSVOA_V

ClientSampled :

Tot Ion: 95 Resp: 30662

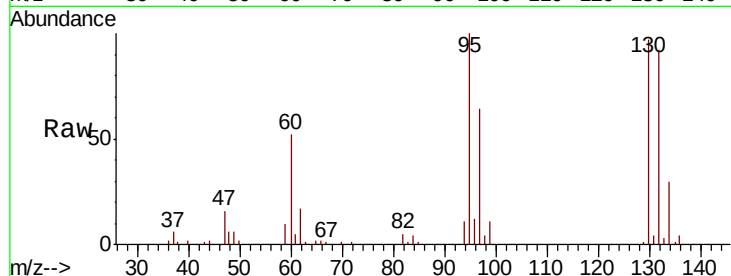
Ion Ratio Lower Upper

95 100

97 63.6 44.7 82.9

132 92.3 65.2 121.0

130 97.2 65.0 120.6

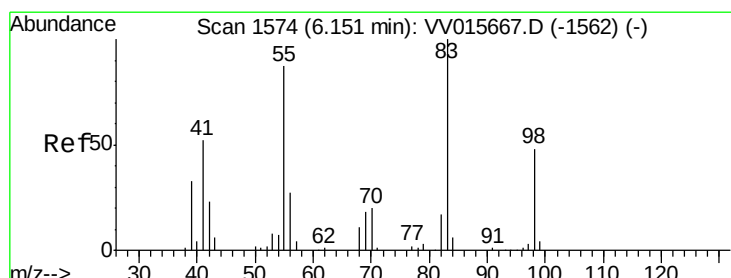
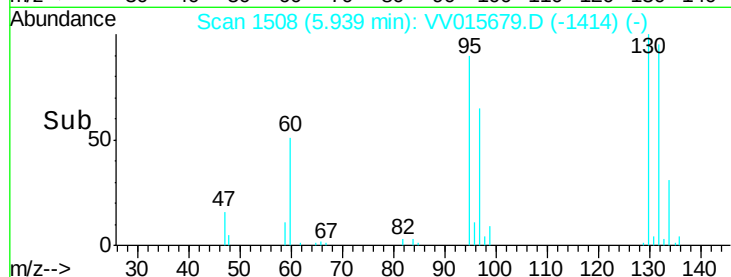
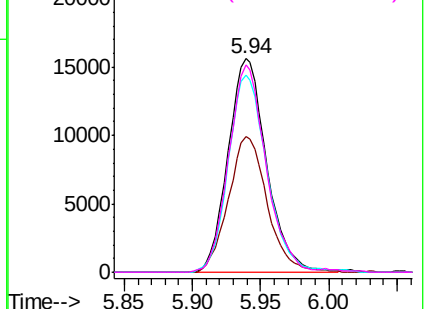


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 0.785 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.06 min

Lab File: VV015679.D

Acq: 24 Apr 2020 17:17

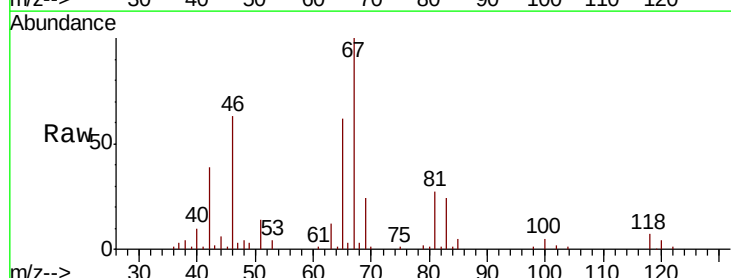
Tgt Ion: 83 Resp: 11042

Ion Ratio Lower Upper

83 100

55 0.2 66.6 99.8#

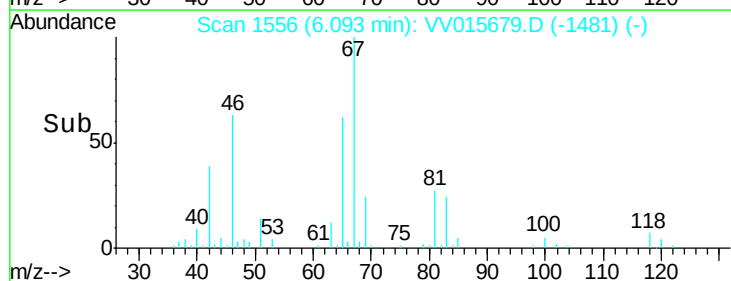
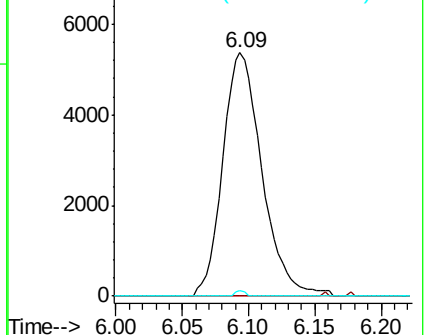
98 0.6 39.5 59.3#

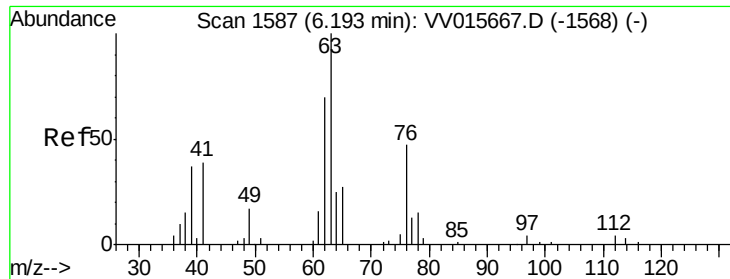


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

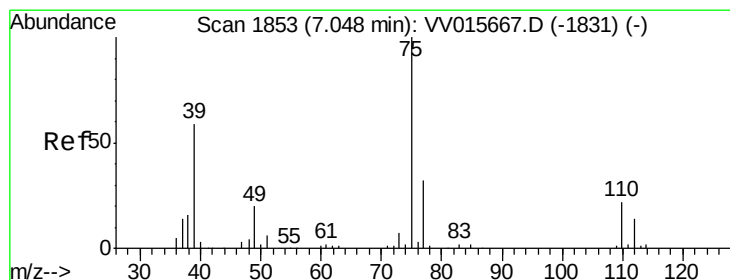
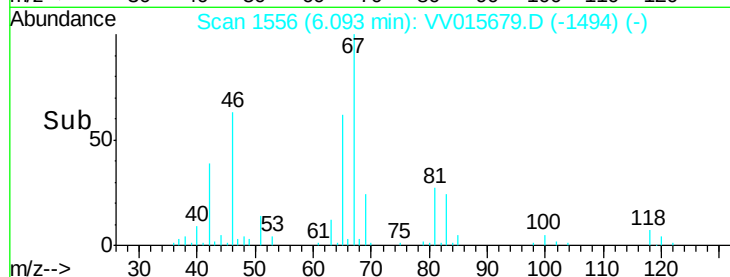
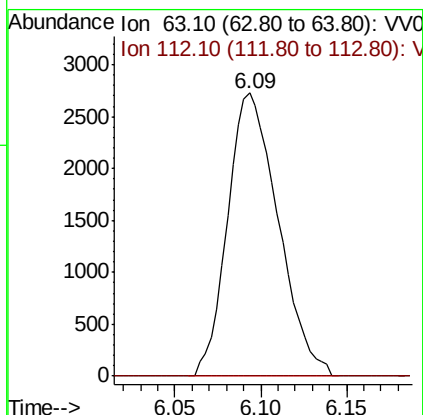
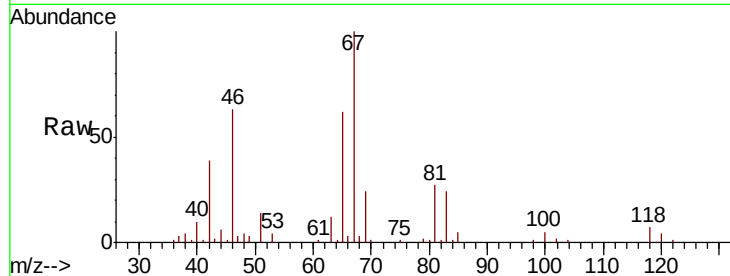




#37
 1,2-Dichloropropane
 Concen: 0.662 ug/L
 RT: 6.09 min Scan# 1556
 Delta R.T. -0.10 min
 Lab File: VV015679.D
 Acq: 24 Apr 2020 17:17

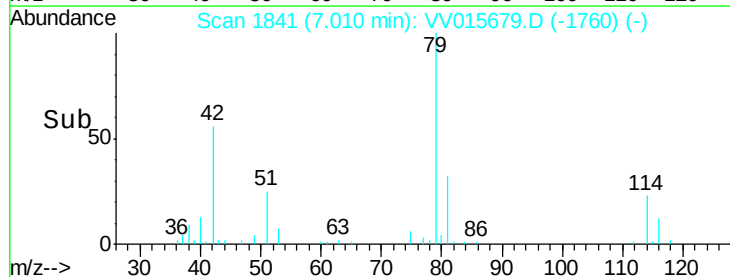
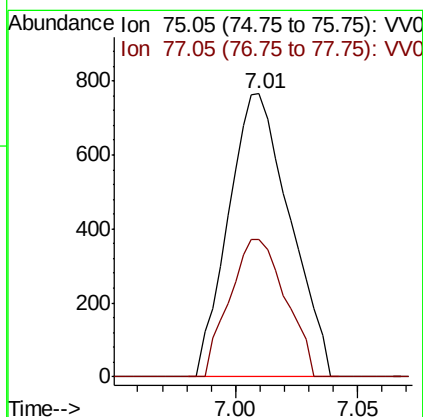
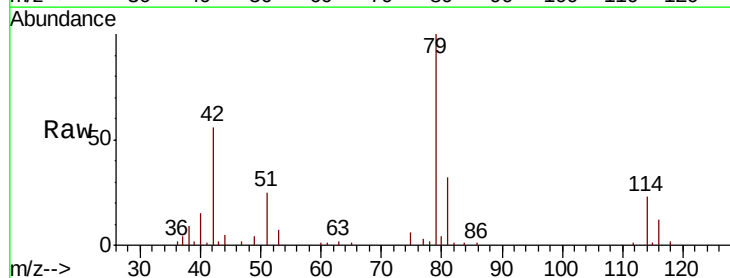
Instrument :
 MSVOA_V
 ClientSampleId :

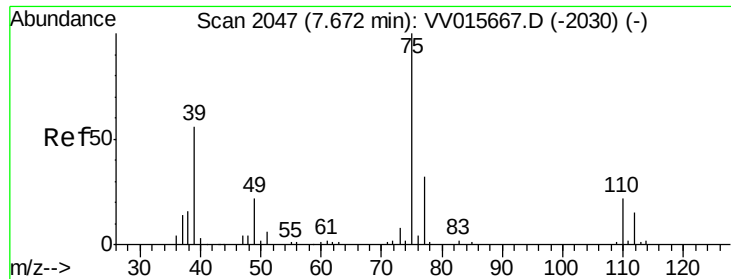
Tot Ion: 63 Resp: 5588
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.114 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV015679.D
 Acq: 24 Apr 2020 17:17

Tgt Ion: 75 Resp: 1336
 Ion Ratio Lower Upper
 75 100
 77 48.4 22.3 41.5#





#44

trans-1,3-Dichloropropene

Concen: 0.077 ug/L

RT: 7.65 min Scan# 2039

Delta R.T. -0.03 min

Lab File: VV015679.D

Acq: 24 Apr 2020 17:17

Instrument :

MSVOA_V

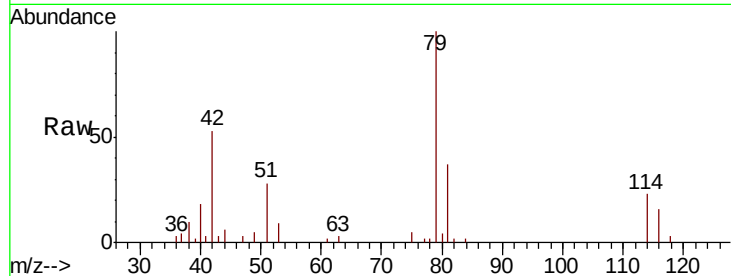
ClientSampleId :

Tot Ion: 75 Resp: 765

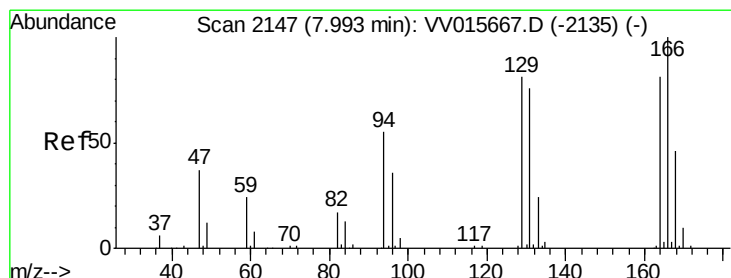
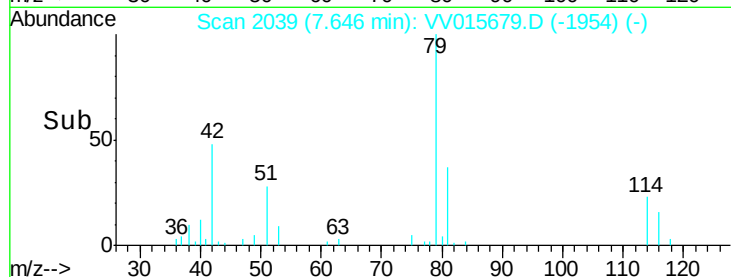
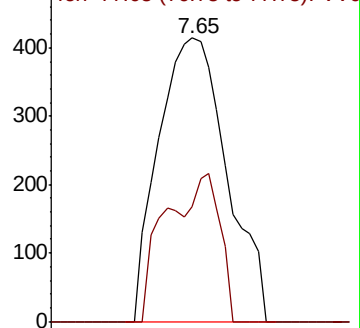
Ion Ratio Lower Upper

75 100

77 40.6 21.8 40.6#



Abundance Ion 75.05 (74.75 to 75.75): VV015667.D (-2030) (-)



#47

Tetrachloroethene

Concen: 5.725 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV015679.D

Acq: 24 Apr 2020 17:17

Tgt Ion:164 Resp: 37795

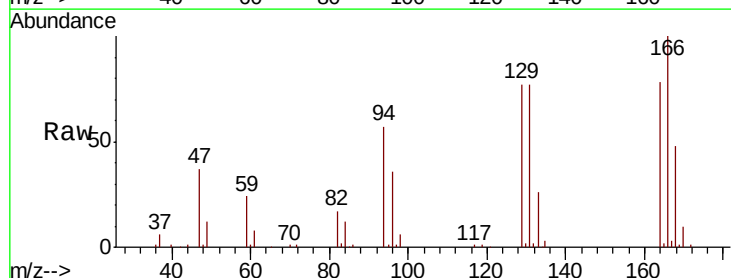
Ion Ratio Lower Upper

164 100

129 97.7 66.7 123.9

131 97.8 66.6 123.6

166 127.5 85.3 158.5

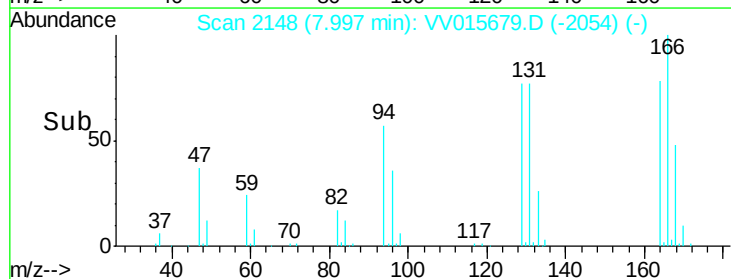
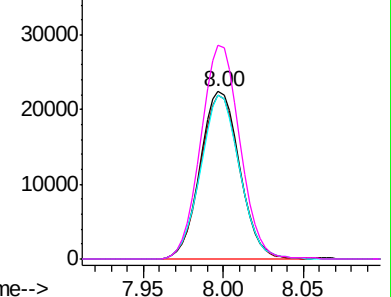


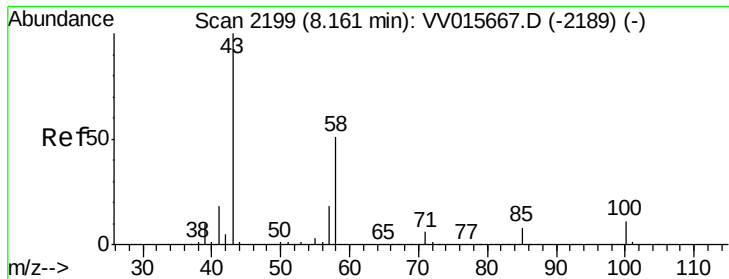
Abundance Ion 163.90 (163.60 to 164.60): VV015667.D (-2135) (-)

Ion 128.95 (128.65 to 129.65): VV015667.D (-2135) (-)

Ion 130.95 (130.65 to 131.65): VV015667.D (-2135) (-)

Ion 165.90 (165.60 to 166.60): VV015667.D (-2135) (-)

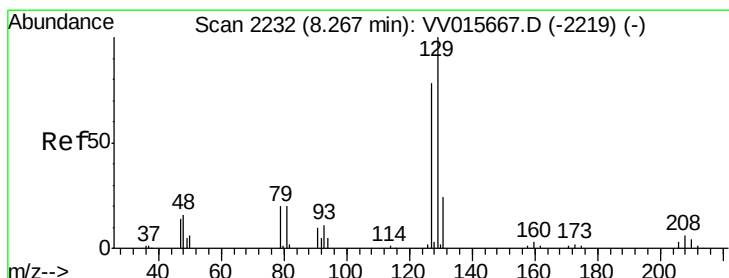
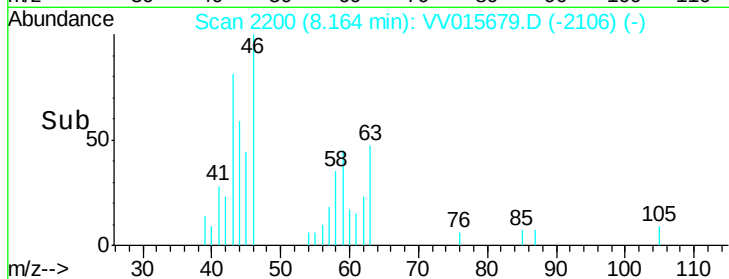
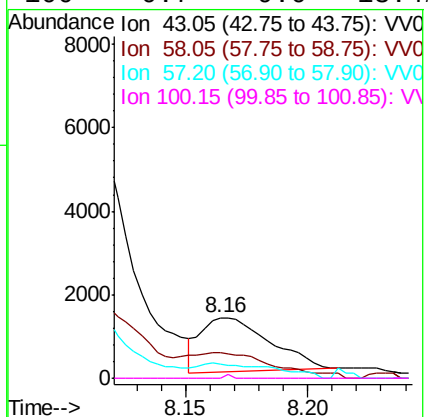
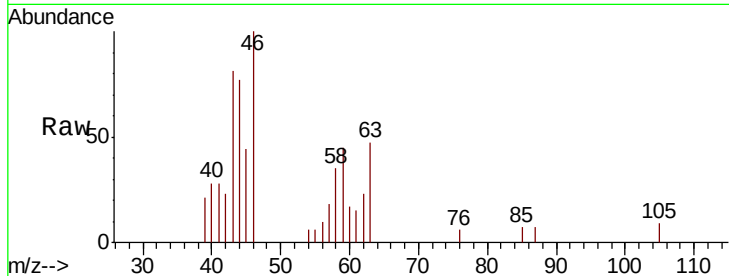




#48
2-Hexanone
Concen: 0.651 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VV015679.D
Acq: 24 Apr 2020 17:17

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 2543
Ion Ratio Lower Upper
43 100
58 57.1 41.1 61.7
57 30.2 15.0 22.4#
100 0.7 9.0 13.4#



#49
Dibromochloromethane
Concen: 6.039 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.27 min
Lab File: VV015679.D
Acq: 24 Apr 2020 17:17

Tgt Ion: 129 Resp: 35948
Ion Ratio Lower Upper
129 100
127 0.0 52.6 97.8#

