

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101520\
 Data File : VV018919.D
 Acq On : 15 Oct 2020 18:37
 Operator : SY/MD
 Sample : L4351-05
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AJ2

Quant Time: Oct 16 08:46:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM101420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 16 08:38:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	332098	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	329486	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	155202	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	121074	44.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.58%
7) Chloroethane-d5	1.58	69	100112	46.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.44%
11) 1,1-Dichloroethene-d2	2.12	63	181134	35.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.20%
21) 2-Butanone-d5	3.91	46	176135	92.44	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.44%
24) Chloroform-d	4.38	84	217541	44.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.58%
26) 1,2-Dichloroethane-d4	5.06	65	153180	46.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.98%
32) Benzene-d6	5.08	84	442858	46.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.08%
36) 1,2-Dichloropropane-d6	6.09	67	144154	46.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.74%
41) Toluene-d8	7.34	98	390687	45.28	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.56%
43) trans-1,3-Dichloropropene-	7.64	79	65994	43.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.80%
47) 2-Hexanone-d5	8.11	63	92933	81.35	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	81.35%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	150891	41.86	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	83.72%
64) 1,2-Dichlorobenzene-d4	11.65	152	156112	49.44	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.88%

Target Compounds

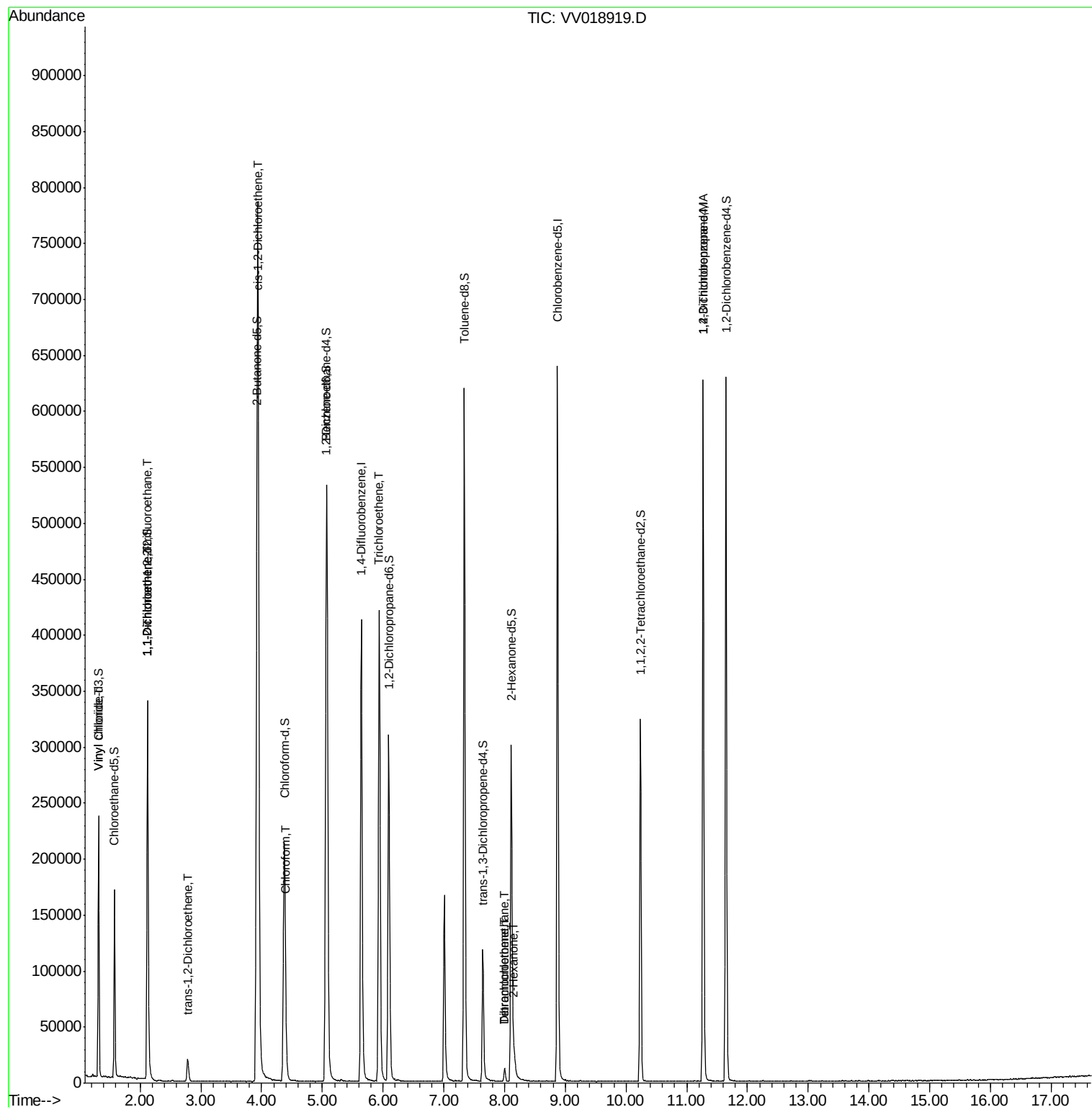
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	19523	6.228	ug/L	92
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1639	0.761	ug/L #	20
12) 1,1-Dichloroethene	2.13	96	8212	3.761	ug/L #	1
17) trans-1,2-Dichloroethene	2.78	96	5271	2.175	ug/L	96
20) cis-1,2-Dichloroethene	3.94	96	399551	155.548	ug/L	99
25) Chloroform	4.40	83	4405	0.929	ug/L #	75
34) Trichloroethene	5.94	95	139336	47.839	ug/L	99
46) Tetrachloroethene	8.00	164	2470	1.203	ug/L	98
48) 2-Hexanone	8.16	43	13072	4.422	ug/L #	76
49) Dibromochloromethane	8.00	129	2545	0.956	ug/L #	10
59) 1,2,3-Trichloropropane	11.27	75	18603	5.684	ug/L #	87

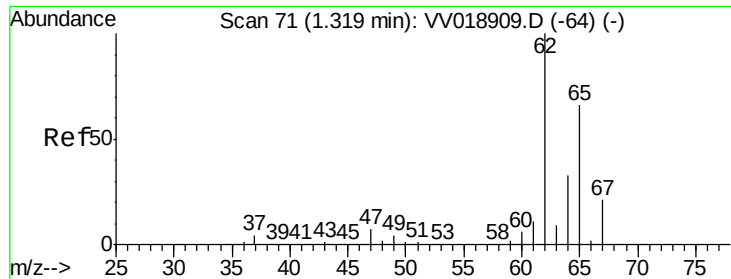
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 6.228 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018919.D

Acq: 15 Oct 2020 18:37

Instrument :

MSVOA_V

ClientSampleId :

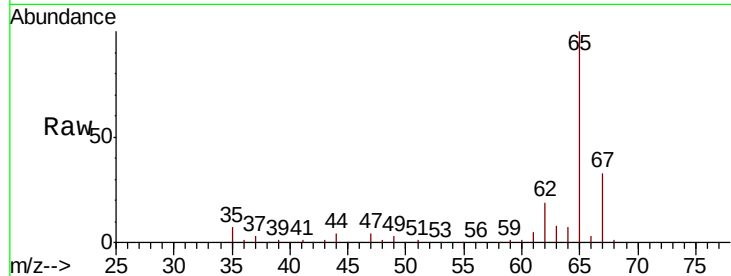
C0AJ2

Tot Ion: 62 Resp: 19523

Ion Ratio Lower Upper

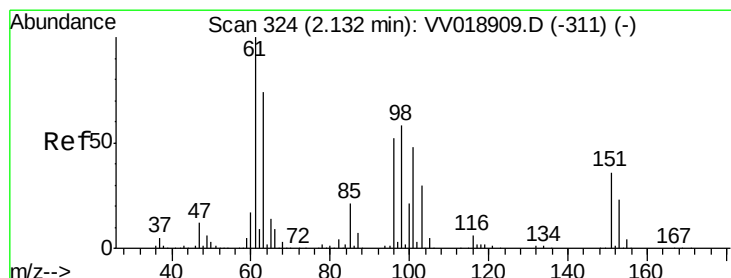
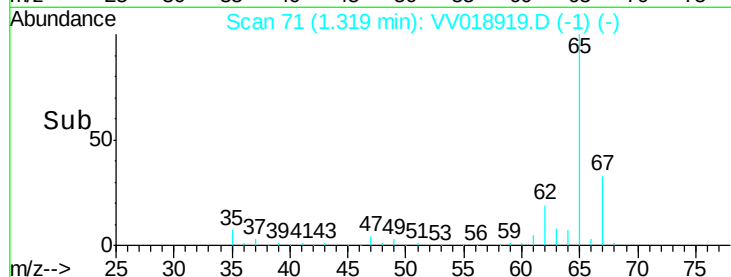
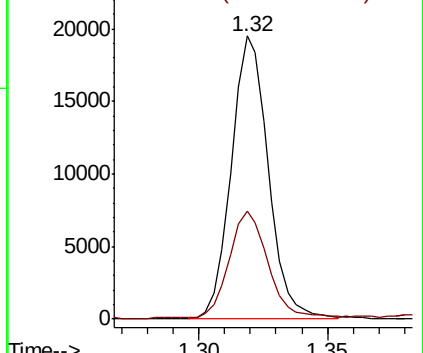
62 100

64 38.0 23.2 43.2



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#10

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

Concen: 0.761 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV018919.D

Acq: 15 Oct 2020 18:37

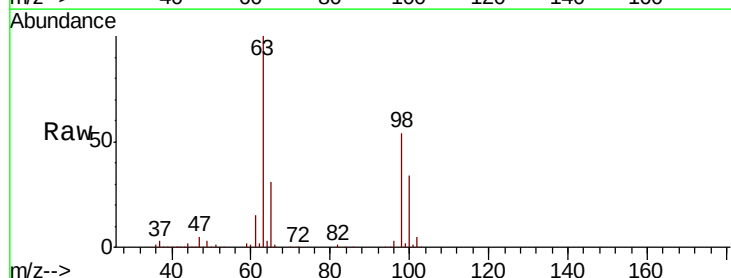
Tgt Ion: 101 Resp: 1639

Ion Ratio Lower Upper

101 100

85 0.0 35.0 52.4#

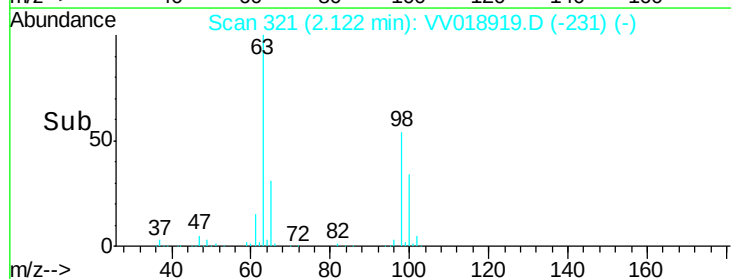
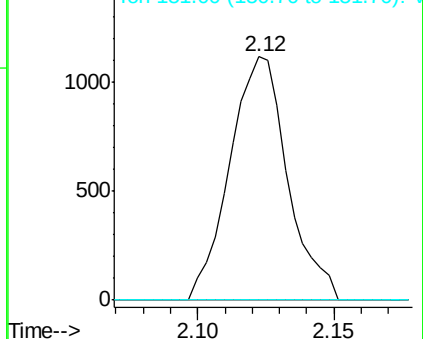
151 0.0 59.7 89.5#

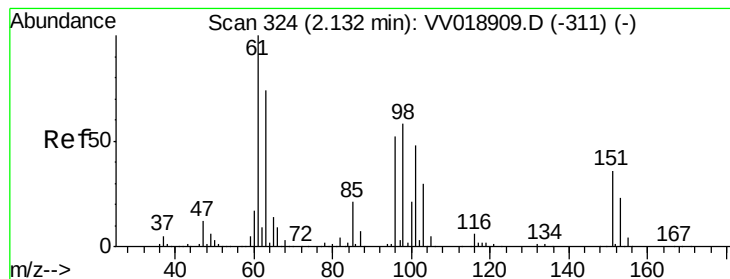


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V





#12

1,1-Dichloroethene

Concen: 3.761 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018919.D

Acq: 15 Oct 2020 18:37

Instrument :

MSVOA_V

ClientSampleId :

C0AJ2

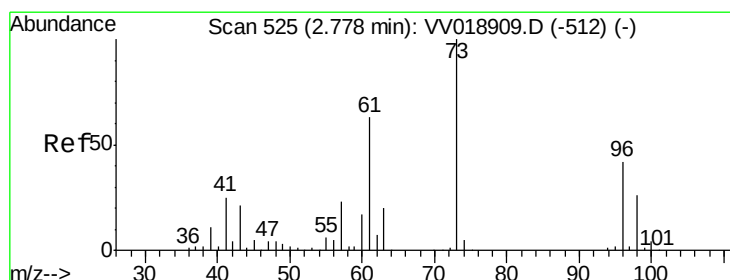
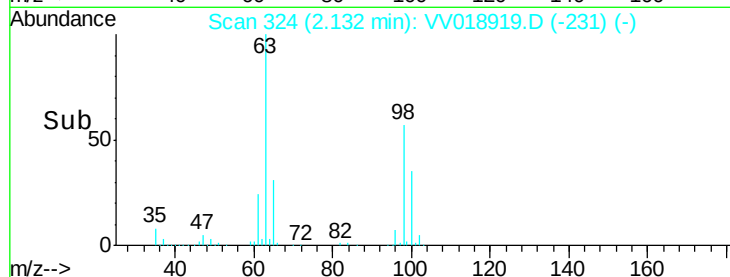
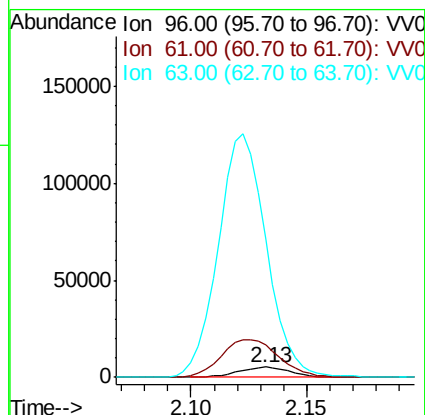
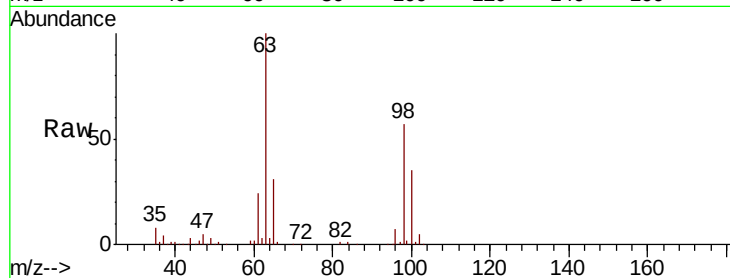
Tot Ion: 96 Resp: 8212

Ion Ratio Lower Upper

96 100

61 320.3 133.5 247.9#

63 1361.3 102.1 189.7#



#17

trans-1,2-Dichloroethene

Concen: 2.175 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.01 min

Lab File: VV018919.D

Acq: 15 Oct 2020 18:37

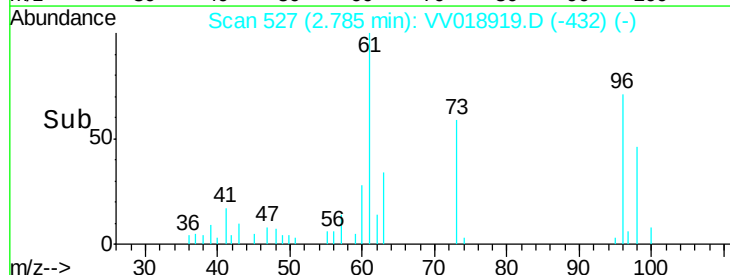
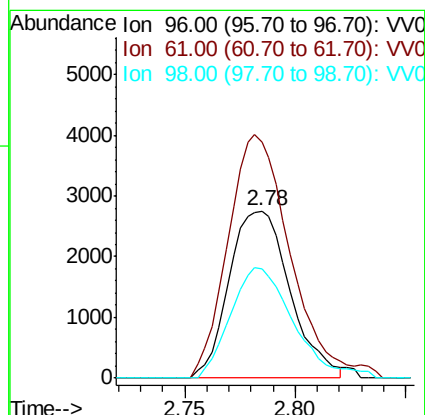
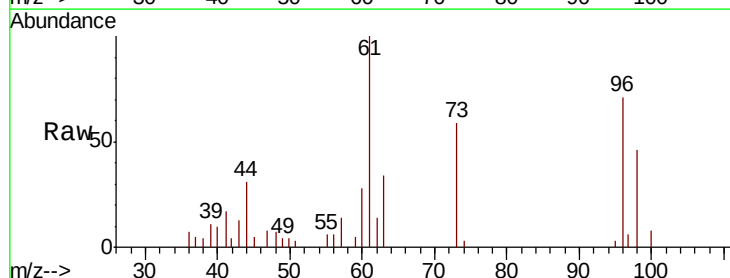
Tgt Ion: 96 Resp: 5271

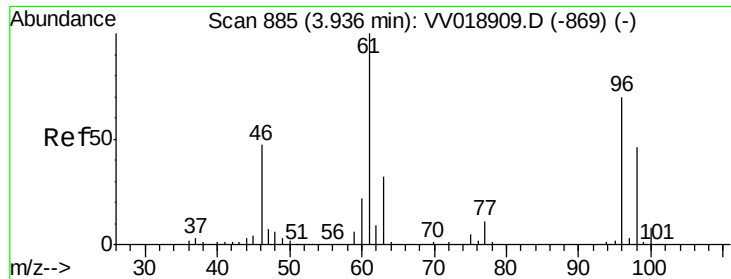
Ion Ratio Lower Upper

96 100

61 141.1 102.8 190.8

98 65.1 44.0 81.6

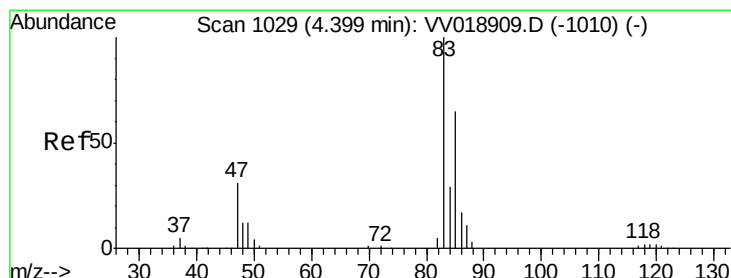
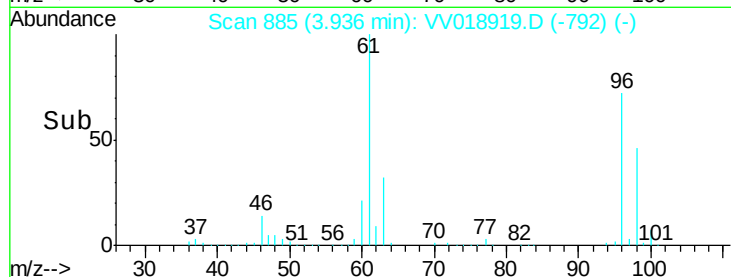
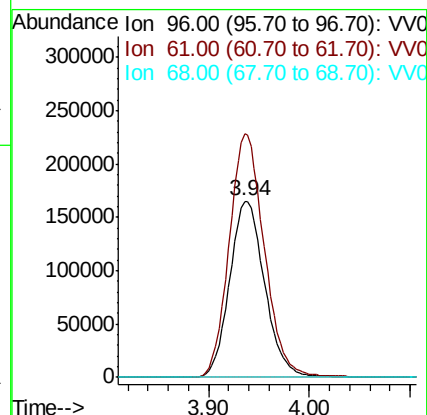
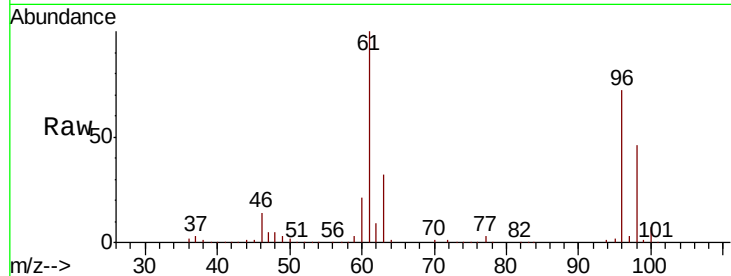




#20
 cis-1,2-Dichloroethene
 Concen: 155.548 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. -0.00 min
 Lab File: VV018919.D
 Acq: 15 Oct 2020 18:37

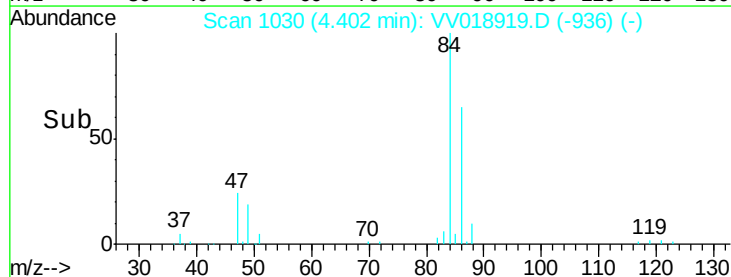
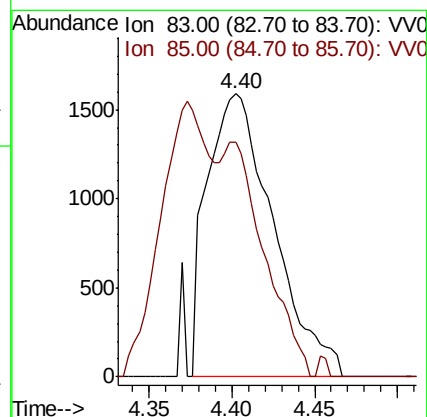
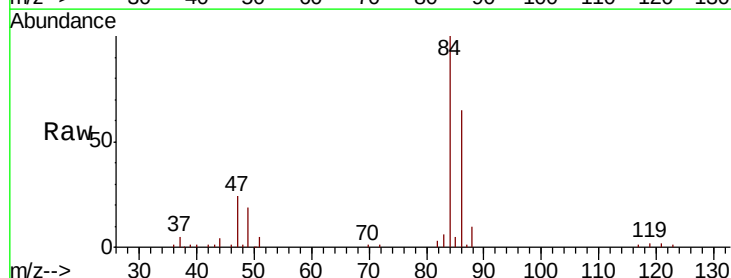
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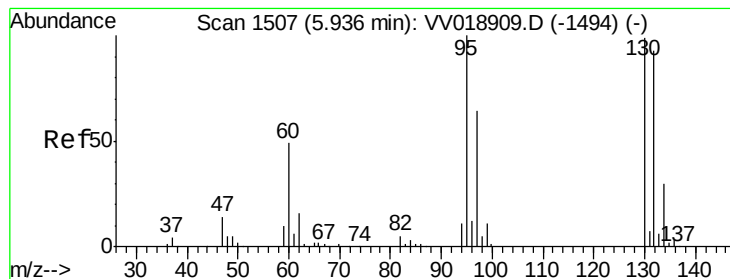
Tot Ion: 96 Resp: 399551
 Ion Ratio Lower Upper
 96 100
 61 138.1 96.1 178.5
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 0.929 ug/L
 RT: 4.40 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VV018919.D
 Acq: 15 Oct 2020 18:37

Tgt Ion: 83 Resp: 4405
 Ion Ratio Lower Upper
 83 100
 85 82.9 44.6 82.8#





#34

Trichloroethene

Concen: 47.839 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV018919.D

Acq: 15 Oct 2020 18:37

Instrument :

MSVOA_V

ClientSampleId :

C0AJ2

Tot Ion: 95 Resp: 139336

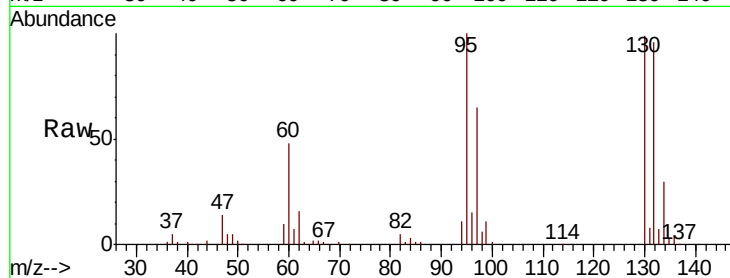
Ion Ratio Lower Upper

95 100

97 64.7 44.7 82.9

132 95.6 67.0 124.4

130 98.6 70.8 131.6

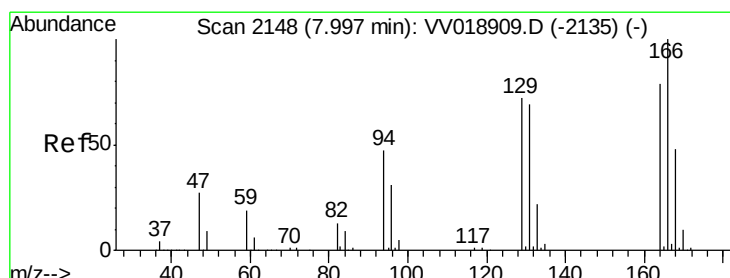
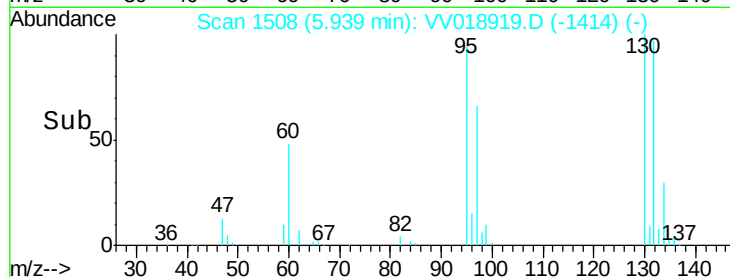
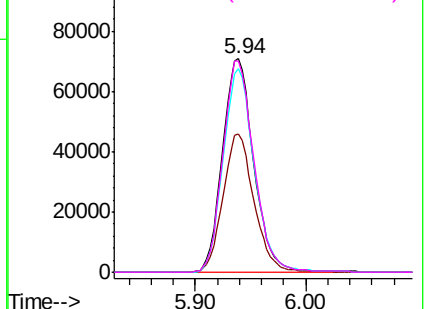


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#46

Tetrachloroethene

Concen: 1.203 ug/L

RT: 8.00 min Scan# 2150

Delta R.T. 0.01 min

Lab File: VV018919.D

Acq: 15 Oct 2020 18:37

Tgt Ion: 164 Resp: 2470

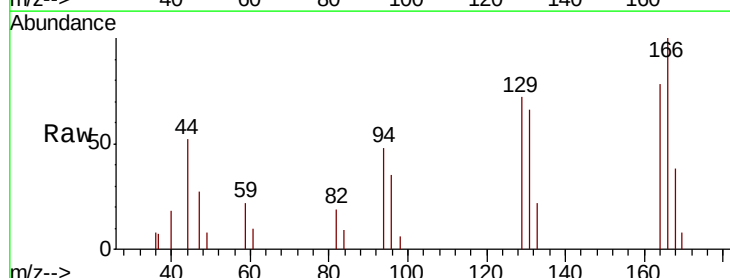
Ion Ratio Lower Upper

164 100

129 92.4 65.0 120.8

131 84.9 62.9 116.7

166 128.3 91.1 169.3

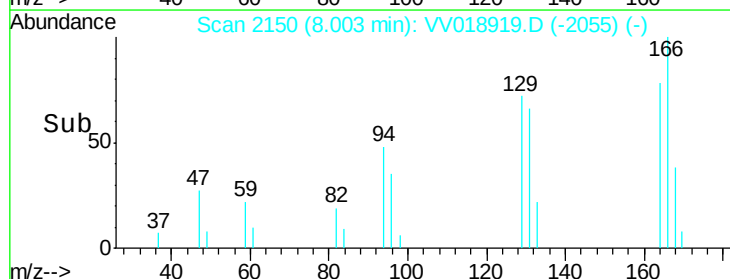
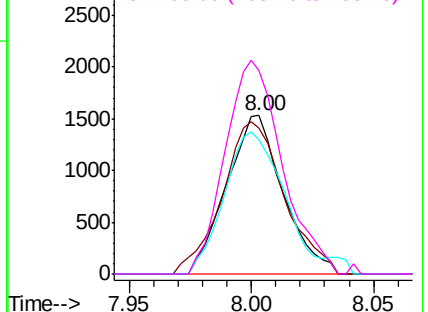


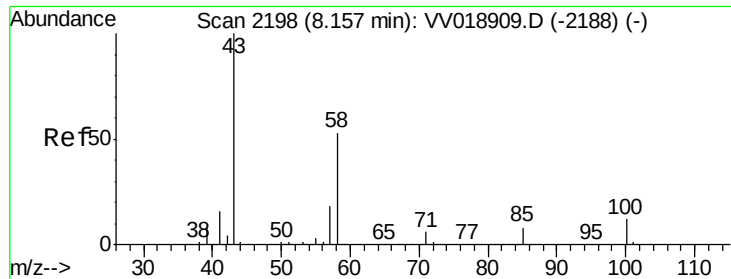
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

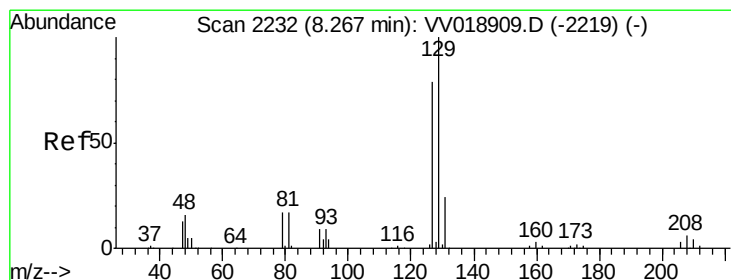
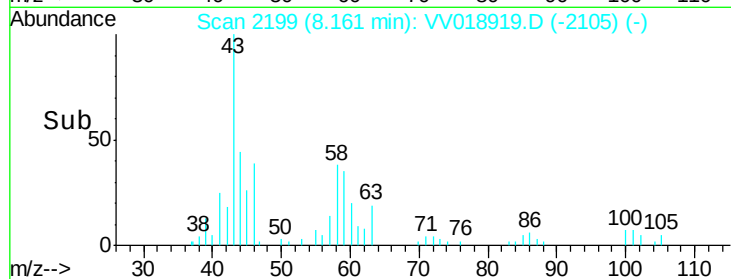
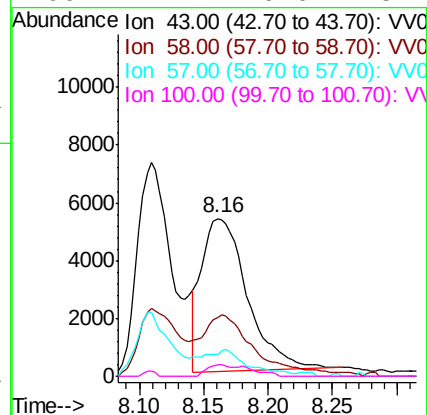
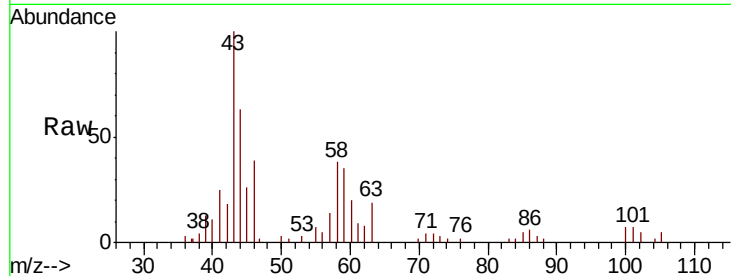




#48
2-Hexanone
Concen: 4.422 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. 0.00 min
Lab File: VV018919.D
Acq: 15 Oct 2020 18:37

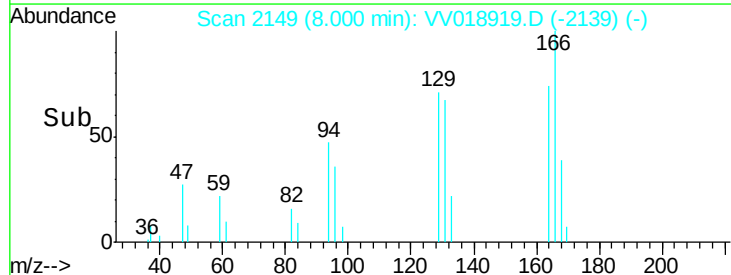
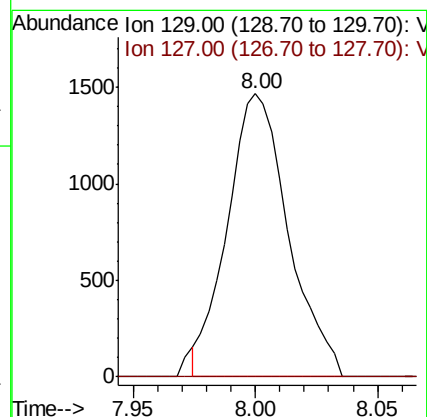
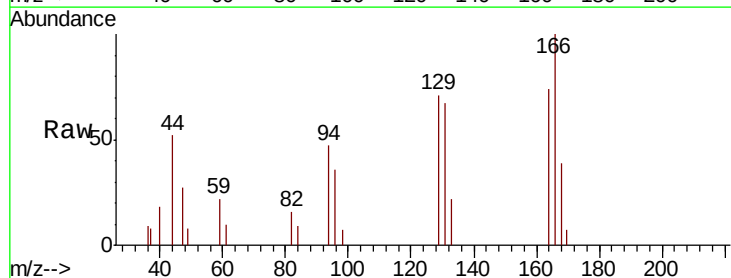
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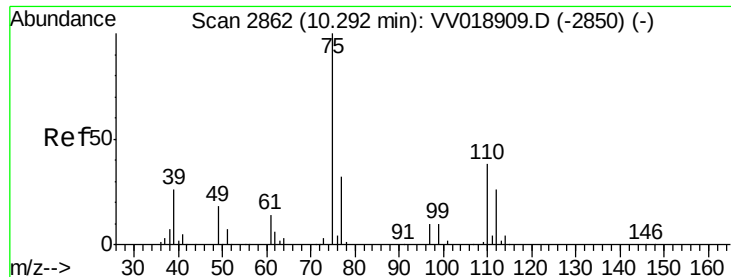
Tot Ion: 43 Resp: 13072
Ion Ratio Lower Upper
43 100
58 36.8 42.5 63.7#
57 4.5 14.5 21.7#
100 4.2 9.0 13.4#



#49
Dibromochloromethane
Concen: 0.956 ug/L
RT: 8.00 min Scan# 2149
Delta R.T. -0.27 min
Lab File: VV018919.D
Acq: 15 Oct 2020 18:37

Tgt Ion: 129 Resp: 2545
Ion Ratio Lower Upper
129 100
127 0.0 55.2 102.6#





#59

1,2,3-Trichloropropane

Concen: 5.684 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV018919.D

Acq: 15 Oct 2020 18:37

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MSVOA_V

ClientSampleId :

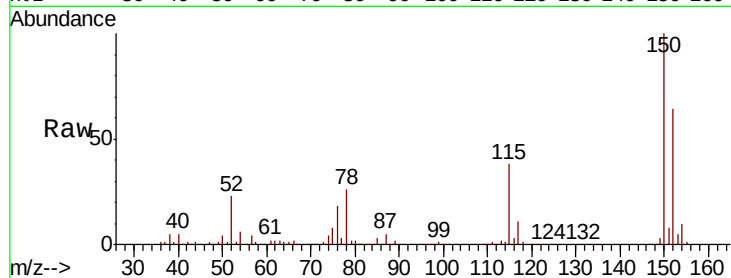
C0AJ2

Tot Ion: 75 Resp: 18603

Ion Ratio Lower Upper

75 100

77 38.9 25.4 38.2#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

