

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081220\
 Data File : VV017935.D
 Acq On : 12 Aug 2020 18:21
 Operator : SY/MD
 Sample : L3665-04
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F4L27

Quant Time: Aug 13 04:39:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 13 04:34:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	252977	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	244412	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	108323	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	89652	46.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.90%
7) Chloroethane-d5	1.58	69	76542	48.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.94%
11) 1,1-Dichloroethene-d2	2.12	63	132746	35.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.90%
21) 2-Butanone-d5	3.91	46	125386	99.18	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.18%
24) Chloroform-d	4.38	84	167384	47.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.28%
26) 1,2-Dichloroethane-d4	5.06	65	115676	50.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.38%
32) Benzene-d6	5.08	84	334646	49.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.36%
36) 1,2-Dichloropropane-d6	6.09	67	110478	50.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.34%
41) Toluene-d8	7.34	98	291548	48.13	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.26%
43) trans-1,3-Dichloropropene-	7.64	79	47638	47.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.40%
47) 2-Hexanone-d5	8.11	63	58766	83.16	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.16%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	125078	43.62	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.24%
64) 1,2-Dichlorobenzene-d4	11.65	152	115004	53.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.88%

Target Compounds

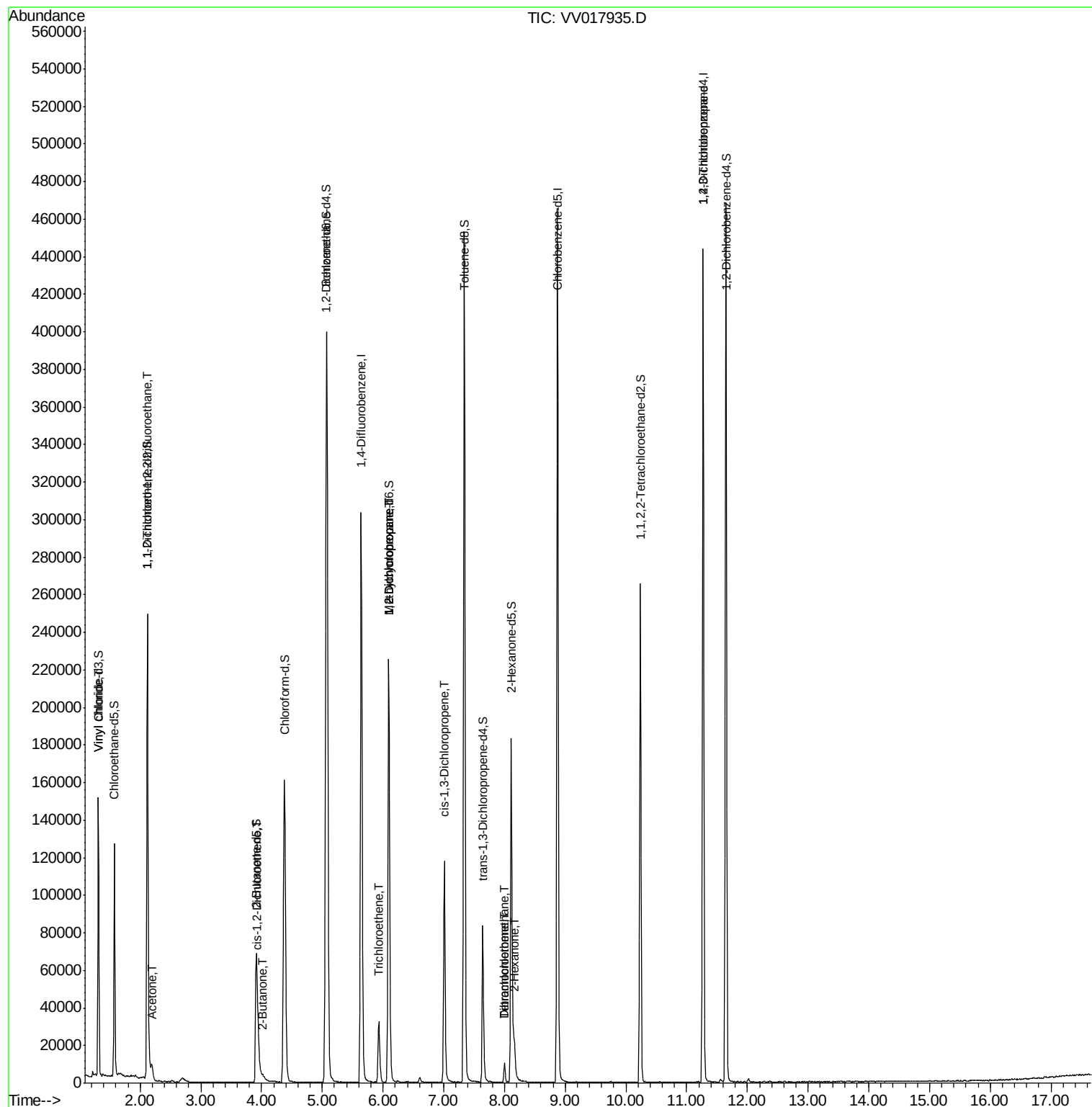
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	1893	0.842	ug/L #	22
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1328	0.741	ug/L #	20
13) Acetone	2.19	43	10310	7.896	ug/L	94
20) cis-1,2-Dichloroethene	3.94	96	2538	1.324	ug/L	92
22) 2-Butanone	4.03	43	2855	1.949	ug/L	93
34) Trichloroethene	5.94	95	1432	0.716	ug/L	96
35) Methylcyclohexane	6.10	83	26318	8.855	ug/L #	17
37) 1,2-Dichloropropane	6.09	63	12128	5.881	ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	2990	1.023	ug/L #	66
46) Tetrachloroethene	8.00	164	2400	1.637	ug/L	91
48) 2-Hexanone	8.16	43	11847	5.450	ug/L #	96
49) Dibromochloromethane	8.00	129	2194	1.177	ug/L #	10
59) 1,2,3-Trichloropropane	11.27	75	13696	5.378	ug/L	94

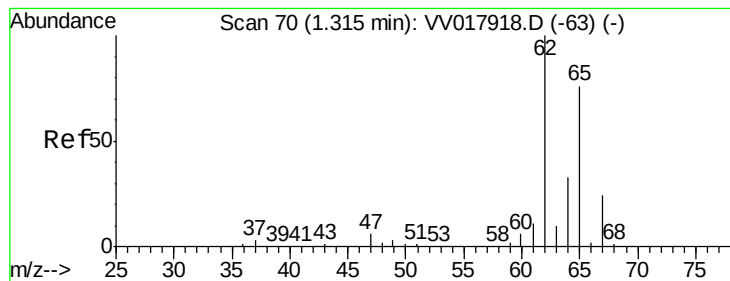
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.842 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017935.D

Acq: 12 Aug 2020 18:21

Instrument :

MSVOA_V

ClientSampleId :

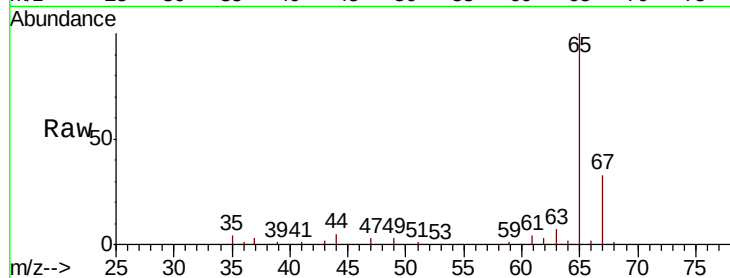
F4L27

Tot Ion: 62 Resp: 1893

Ion Ratio Lower Upper

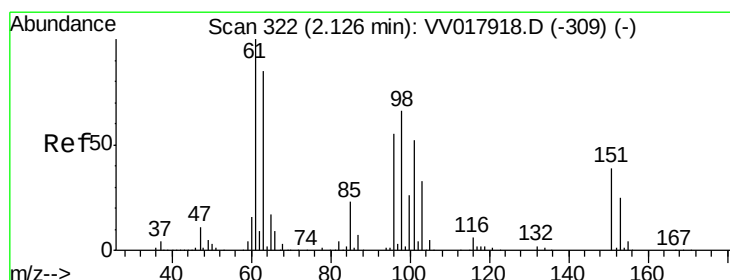
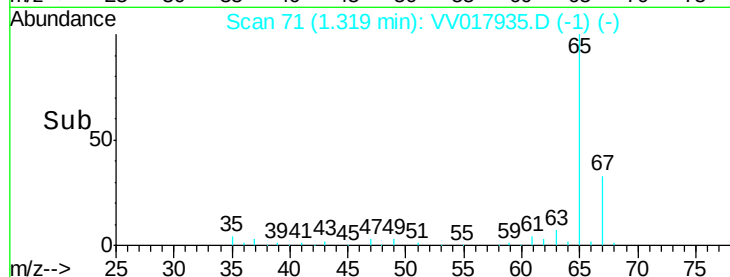
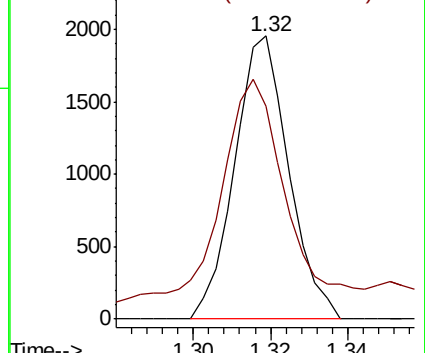
62 100

64 75.2 22.4 41.6#



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: 0.741 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV017935.D

Acq: 12 Aug 2020 18:21

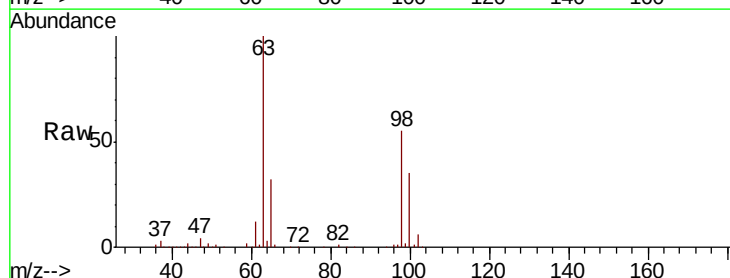
Tgt Ion: 101 Resp: 1328

Ion Ratio Lower Upper

101 100

85 0.0 34.9 52.3#

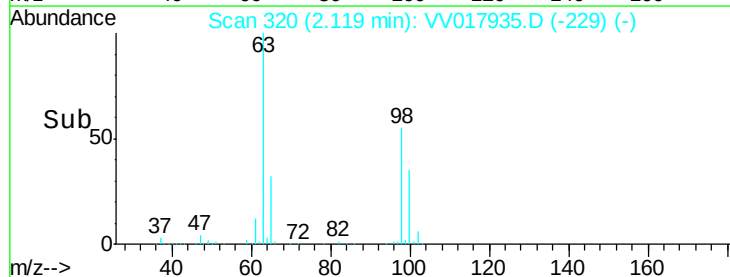
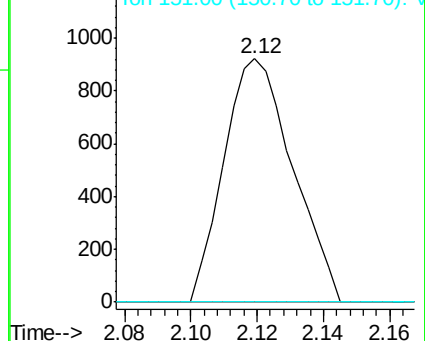
151 0.0 59.1 88.7#

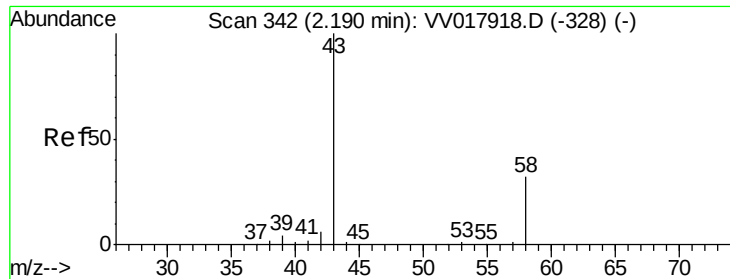


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V





#13

Acetone

Concen: 7.896 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.00 min

Lab File: VV017935.D

Acq: 12 Aug 2020 18:21

Instrument :

MSVOA_V

ClientSampled :

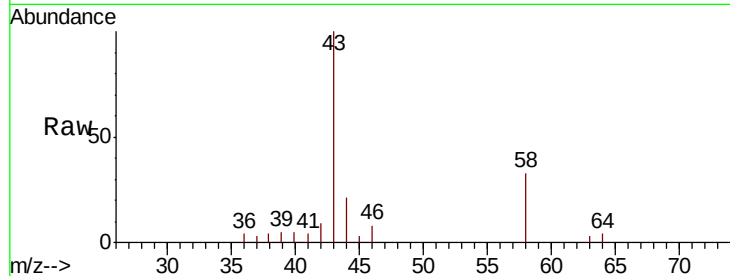
F4L27

Tot Ion: 43 Resp: 10310

Ion Ratio Lower Upper

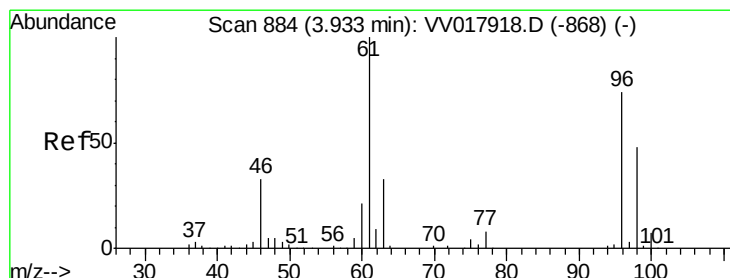
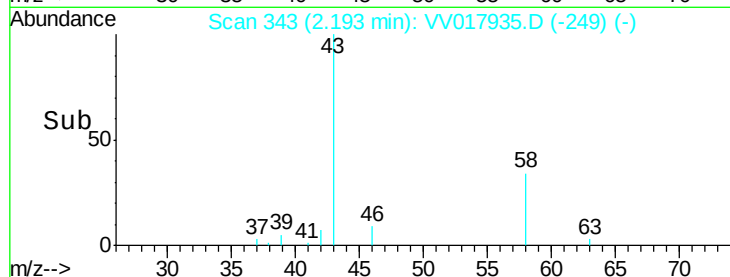
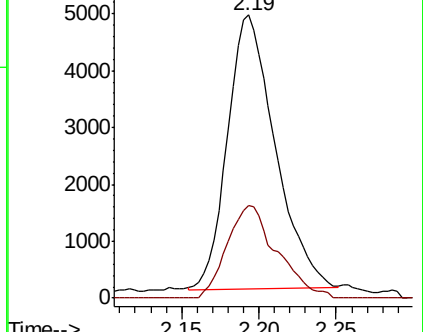
43 100

58 35.1 0.0 63.6



Abundance Ion 43.00 (42.70 to 43.70): VV017918.D (-328) (-)

Ion 58.00 (57.70 to 58.70): VV017918.D (-328) (-)



#20

cis-1,2-Dichloroethene

Concen: 1.324 ug/L

RT: 3.94 min Scan# 887

Delta R.T. 0.01 min

Lab File: VV017935.D

Acq: 12 Aug 2020 18:21

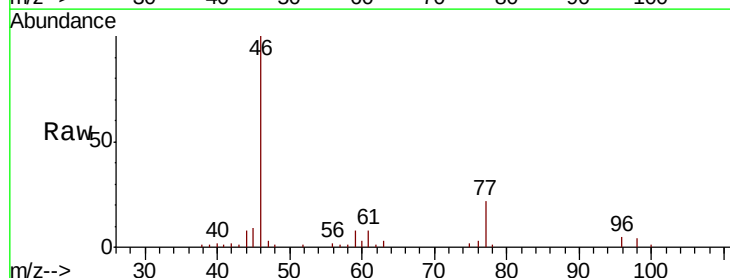
Tgt Ion: 96 Resp: 2538

Ion Ratio Lower Upper

96 100

61 144.8 95.0 176.4

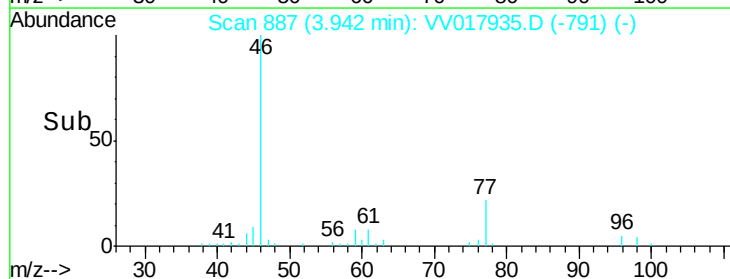
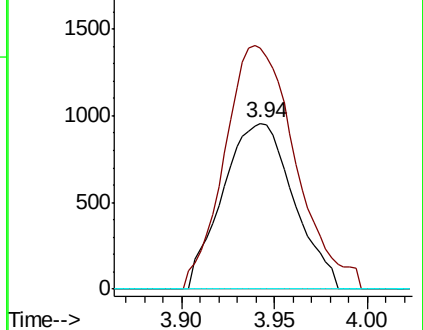
68 0.0 0.0 0.0

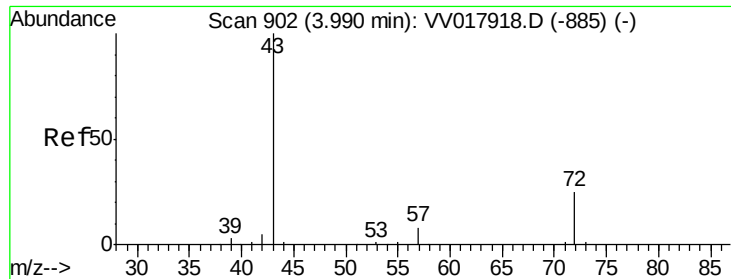


Abundance Ion 96.00 (95.70 to 96.70): VV017918.D (-868) (-)

Ion 61.00 (60.70 to 61.70): VV017918.D (-868) (-)

Ion 68.00 (67.70 to 68.70): VV017918.D (-868) (-)





#22

2-Butanone

Concen: 1.949 ug/L

RT: 4.03 min Scan# 913

Delta R.T. 0.04 min

Lab File: VV017935.D

Acq: 12 Aug 2020 18:21

Instrument :

MSVOA_V

ClientSampled :

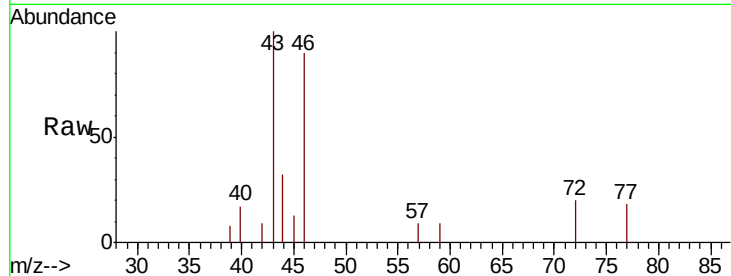
F4L27

Tot Ion: 43 Resp: 2855

Ion Ratio Lower Upper

43 100

72 21.8 12.7 38.0



Abundance Ion 43.00 (42.70 to 43.70): VV017918.D (-885) (-)

Ion 72.00 (71.70 to 72.70): VV017918.D (-885) (-)

1500

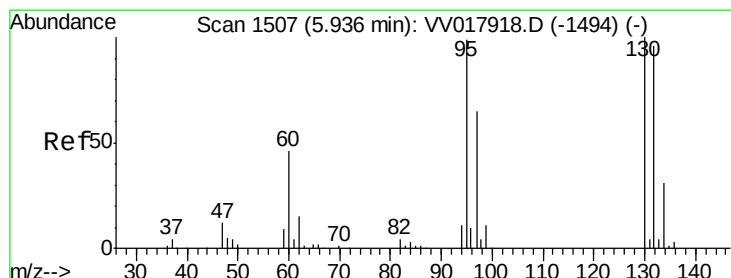
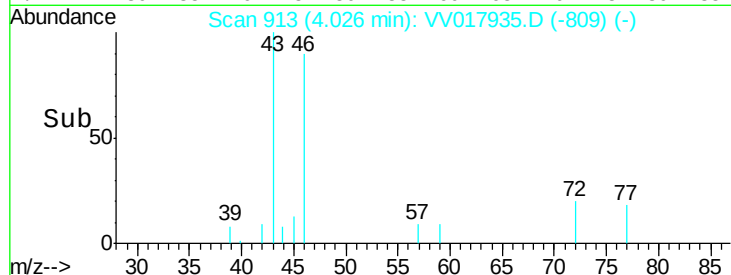
1000

500

0

Time-->

3.95 4.00 4.05



#34

Trichloroethene

Concen: 0.716 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV017935.D

Acq: 12 Aug 2020 18:21

Tgt Ion: 95 Resp: 1432

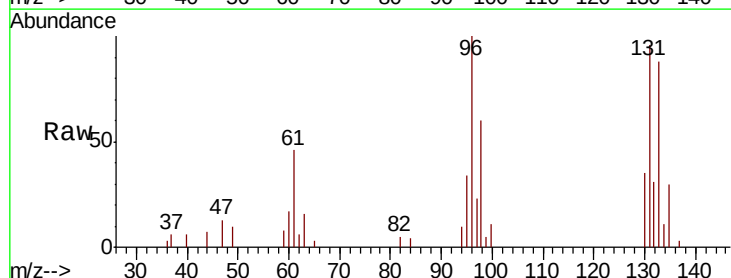
Ion Ratio Lower Upper

95 100

97 67.4 46.0 85.4

132 90.9 65.8 122.2

130 104.0 69.2 128.6



Abundance Ion 95.00 (94.70 to 95.70): VV017918.D (-1494) (-)

Ion 97.00 (96.70 to 97.70): VV017918.D (-1494) (-)

Ion 132.00 (131.70 to 132.70): VV017918.D (-1494) (-)

Ion 130.00 (129.70 to 130.70): VV017918.D (-1494) (-)

2000

1500

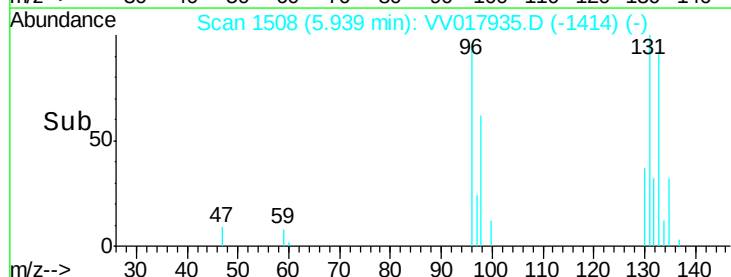
1000

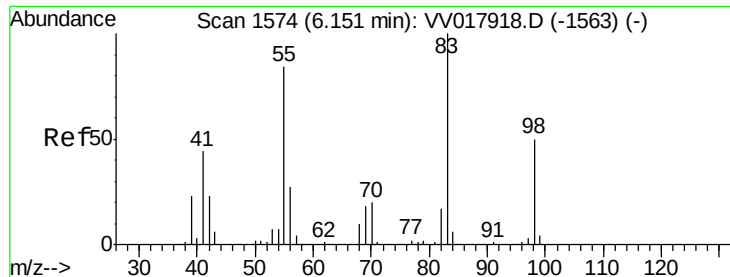
500

0

Time-->

5.90 5.92 5.94

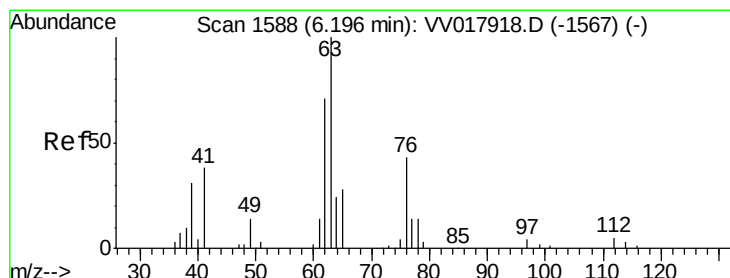
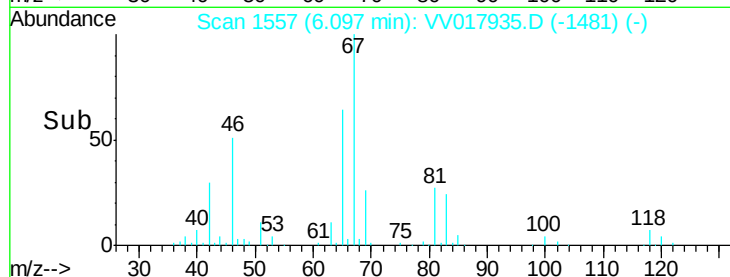
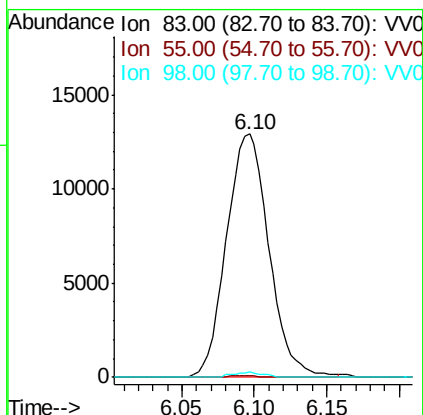
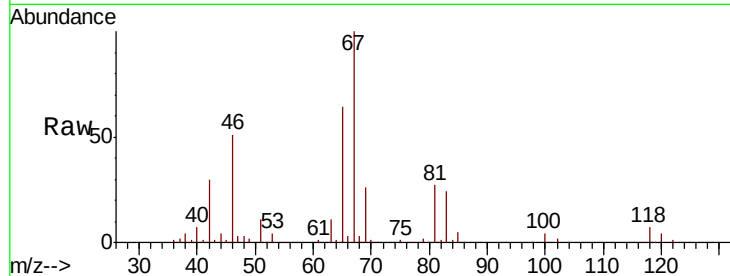




#35
Methvlcvclohexane
Concen: 8.855 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.05 min
Lab File: VV017935.D
Acq: 12 Aug 2020 18:21

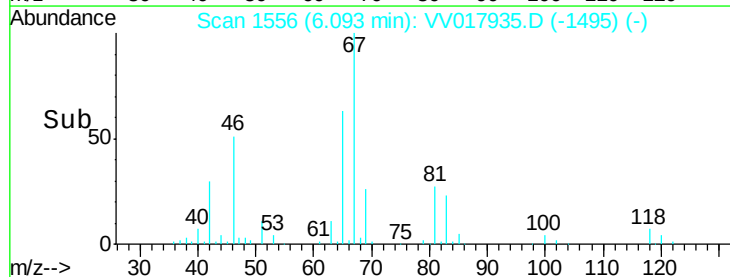
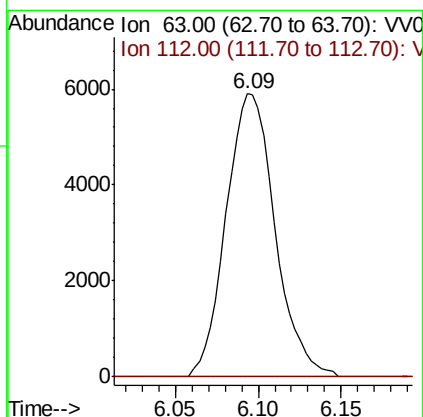
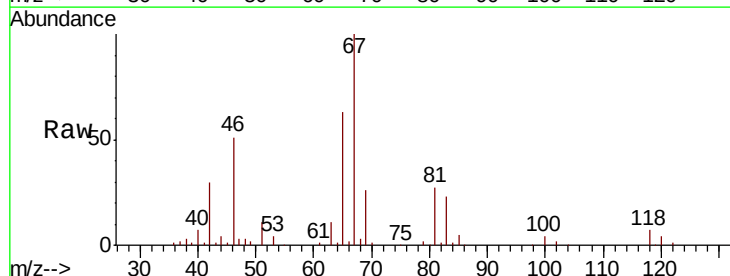
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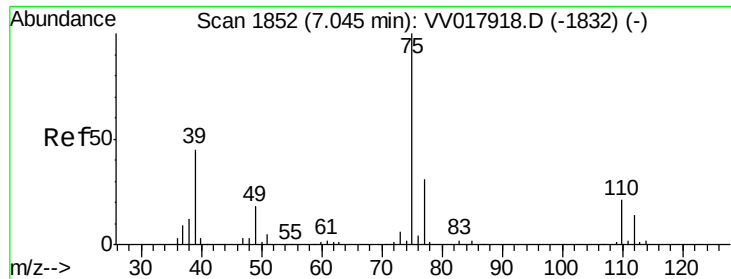
Tot Ion: 83 Resp: 26318
Ion Ratio Lower Upper
83 100
55 0.0 64.9 97.3#
98 1.2 38.7 58.1#



#37
1,2-Dichloropropane
Concen: 5.881 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.10 min
Lab File: VV017935.D
Acq: 12 Aug 2020 18:21

Tgt Ion: 63 Resp: 12128
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#

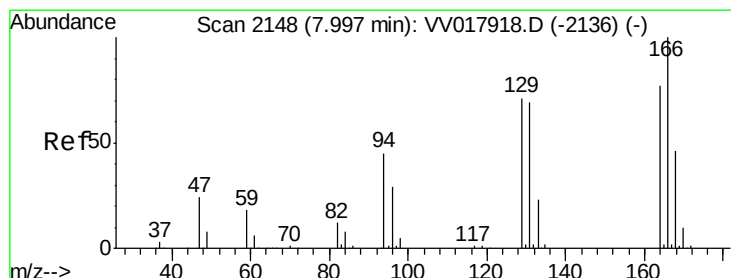
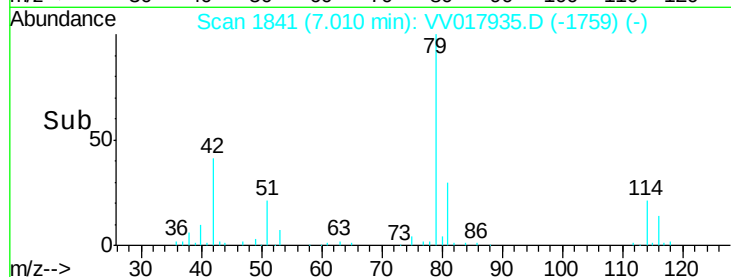
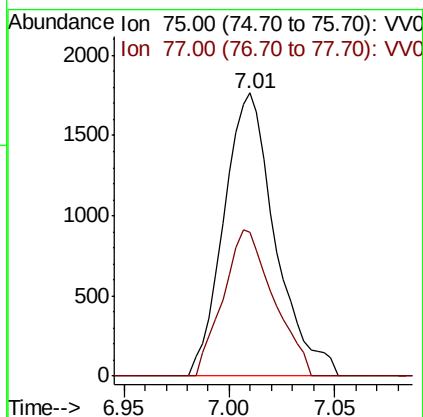
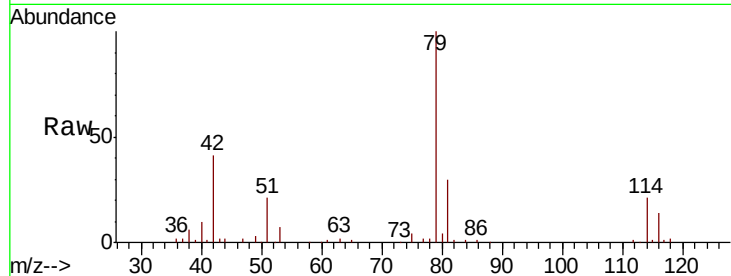




#39
 cis-1,3-Dichloropropene
 Concen: 1.023 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV017935.D
 Acq: 12 Aug 2020 18:21

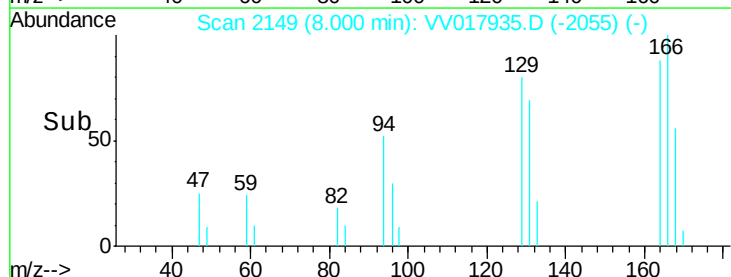
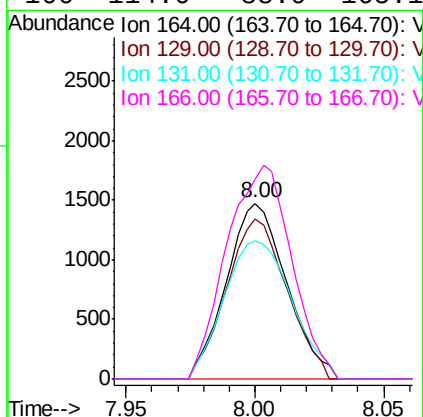
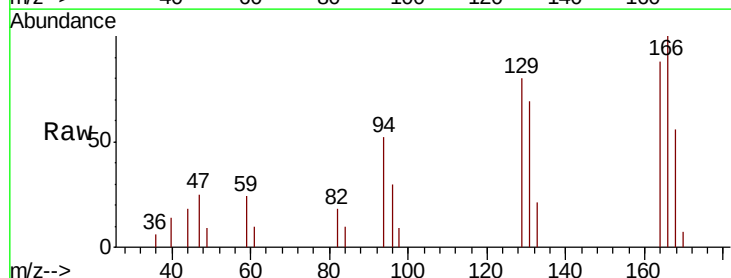
Instrument :
 MSVOA_V
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 F4L27

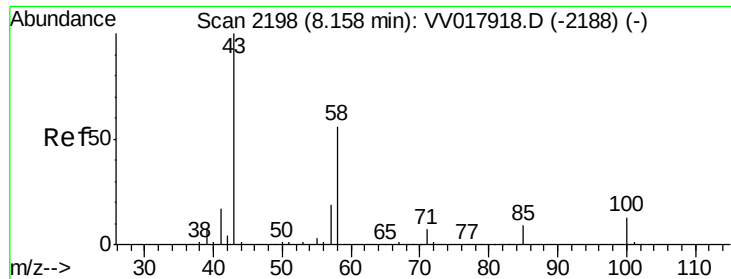
Tot Ion: 75 Resp: 2990
 Ion Ratio Lower Upper
 75 100
 77 51.0 22.3 41.5#



#46
 Tetrachloroethene
 Concen: 1.637 ug/L
 RT: 8.00 min Scan# 2149
 Delta R.T. 0.00 min
 Lab File: VV017935.D
 Acq: 12 Aug 2020 18:21

Tgt Ion: 164 Resp: 2400
 Ion Ratio Lower Upper
 164 100
 129 90.9 64.8 120.3
 131 78.8 64.5 119.9
 166 114.0 88.9 165.1

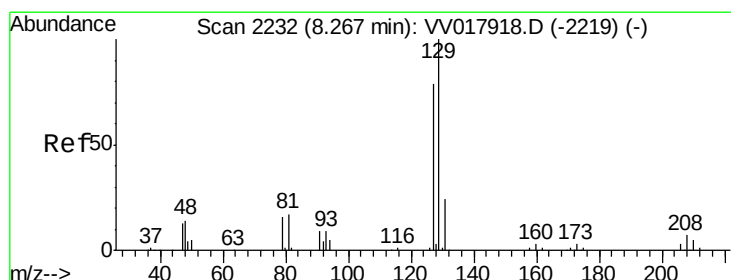
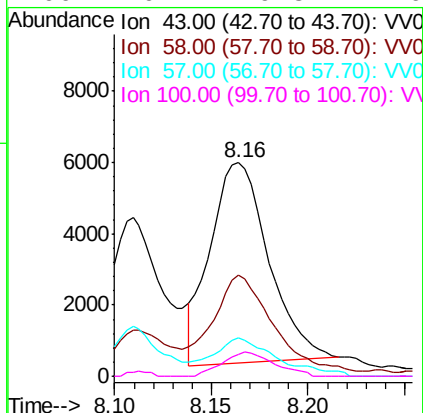
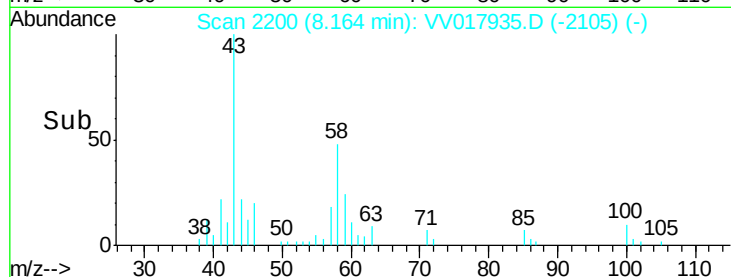
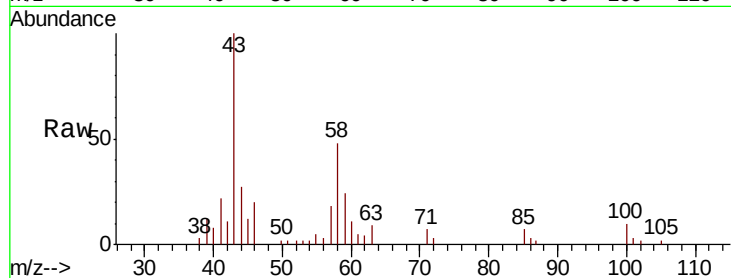




#48
2-Hexanone
Concen: 5.450 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.01 min
Lab File: VV017935.D
Acq: 12 Aug 2020 18:21

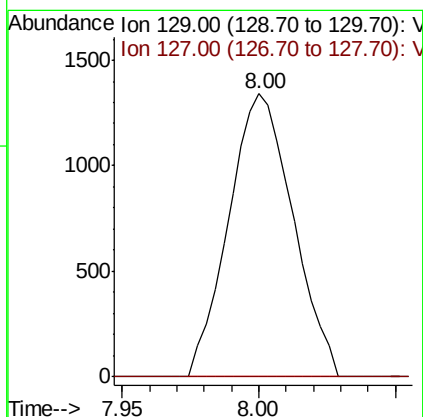
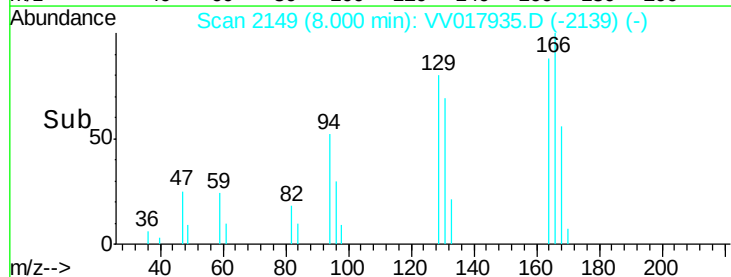
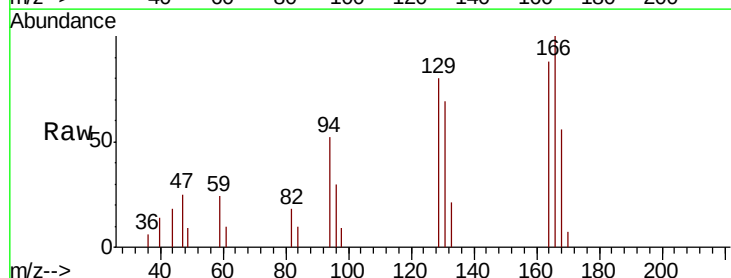
Instrument :
MSVOA_V
ClientSampleId :
F4L27

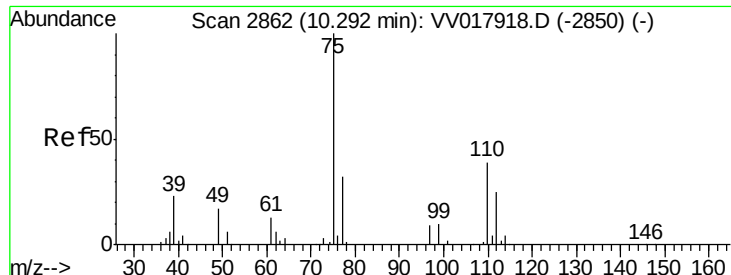
Tot Ion: 43 Resp: 11847
Ion Ratio Lower Upper
43 100
58 55.2 44.4 66.6
57 12.9 15.2 22.8#
100 10.7 9.8 14.6



#49
Dibromochloromethane
Concen: 1.177 ug/L
RT: 8.00 min Scan# 2149
Delta R.T. -0.27 min
Lab File: VV017935.D
Acq: 12 Aug 2020 18:21

Tgt Ion: 129 Resp: 2194
Ion Ratio Lower Upper
129 100
127 0.0 54.9 101.9#





#59

1,2,3-Trichloropropane

Concen: 5.378 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV017935.D

Acq: 12 Aug 2020 18:21

Instrument :

MSVOA_V

ClientSampleId :

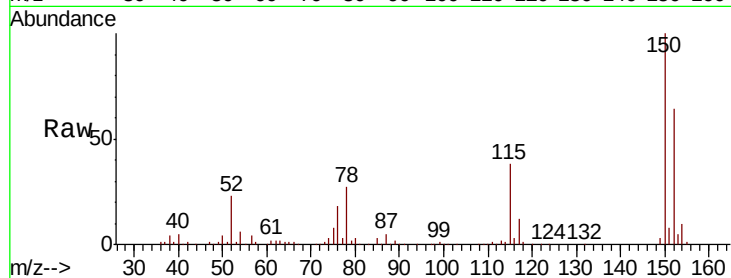
F4L27

Tot Ion: 75 Resp: 13696

Ion Ratio Lower Upper

75 100

77 35.5 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

