

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070220\
 Data File : VV017306.D
 Acq On : 02 Jul 2020 13:25
 Operator : SY/MD
 Sample : L3154-01
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H4268

Quant Time: Jul 03 01:16:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 03 01:13:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	162665	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	157117	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	71948	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	41886	4.29	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.80%
7) Chloroethane-d5	1.58	69	37585	5.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.80%
11) 1,1-Dichloroethene-d2	2.13	63	67311	3.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.40%
20) 2-Butanone-d5	3.92	46	126845	50.98	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.96%
24) Chloroform-d	4.38	84	107049	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.60%
26) 1,2-Dichloroethane-d4	5.06	65	60109	5.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.60%
32) Benzene-d6	5.08	84	188038	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.20%
36) 1,2-Dichloropropane-d6	6.10	67	56887	4.66	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.20%
41) Toluene-d8	7.34	98	161423	4.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.40%
45) trans-1,3-Dichloropropene-	7.64	79	21419	4.21	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.20%
48) 2-Hexanone-d5	8.11	63	79201	40.90	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.80%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	40515	5.00	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	67375	5.07	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.40%

Target Compounds

					Ovalue
3) Chloromethane	1.25	50	818	0.074 ug/L	95
5) Vinyl chloride	1.32	62	72175	6.762 ug/L	98
8) Chloroethane	1.60	64	920	0.156 ug/L #	61
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	703	0.082 ug/L #	31
12) 1,1-Dichloroethene	2.14	96	3347	0.429 ug/L #	1
16) Methylene chloride	2.52	84	1204	0.144 ug/L	83
18) trans-1,2-Dichloroethene	2.78	96	115336	13.942 ug/L	99
19) 1,1-Dichloroethane	3.21	63	2162	0.116 ug/L #	73
22) cis-1,2-Dichloroethene	3.94	96	412081	36.426 ug/L	99
34) Trichloroethene	5.94	95	112846	9.366 ug/L	96
35) Methylcyclohexane	6.10	83	15230	0.813 ug/L #	19
37) 1,2-Dichloropropane	6.10	63	7046	0.692 ug/L #	84
46) trans-1,3-Dichloropropene	7.65	75	1337	0.102 ug/L #	79
49) Tetrachloroethene	8.00	164	3207	0.331 ug/L	87
50) 2-Hexanone	8.16	43	6996	1.672 ug/L #	80
51) Dibromochloromethane	8.00	129	3145	0.359 ug/L #	11

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jul 03 01:13:36 2020
Response via : Initial Calibration

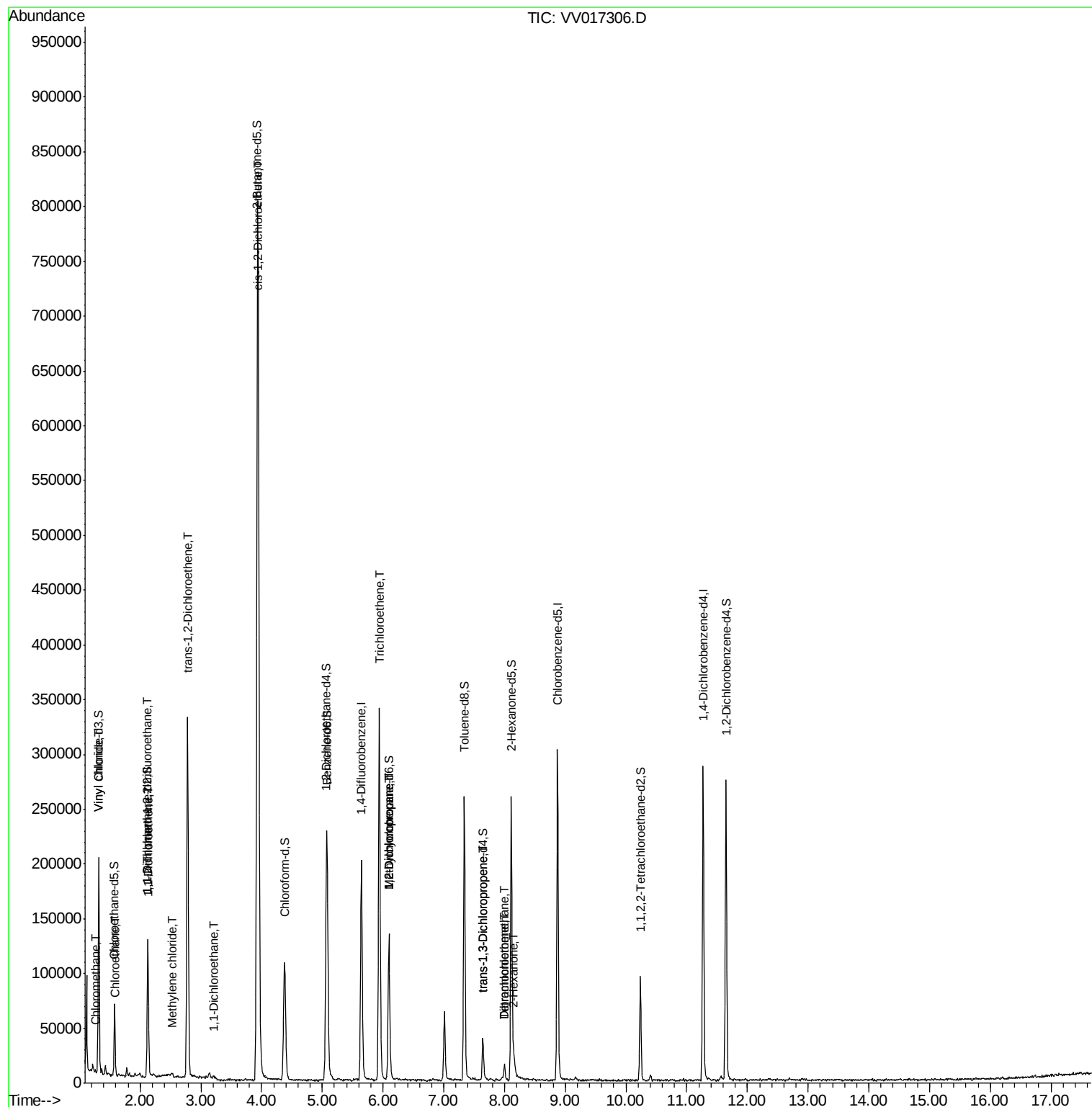
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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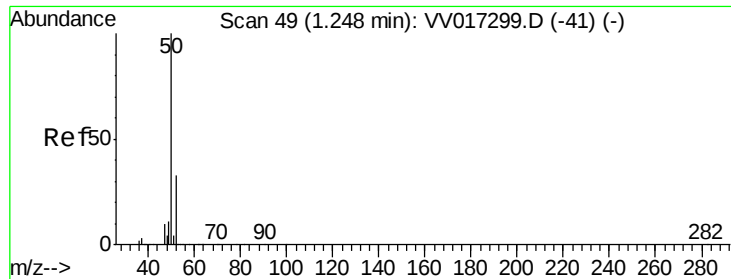
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.074 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.01 min

Lab File: VV017306.D

Acq: 02 Jul 2020 13:25

Instrument :

MSVOA_V

ClientSampleId :

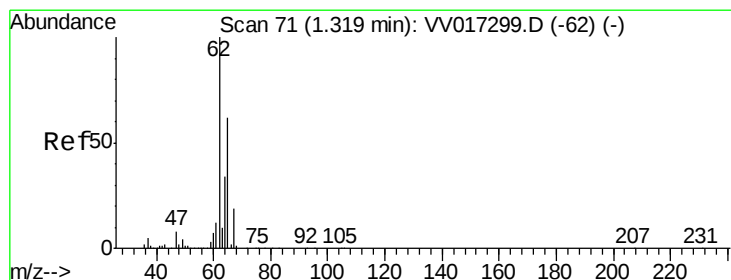
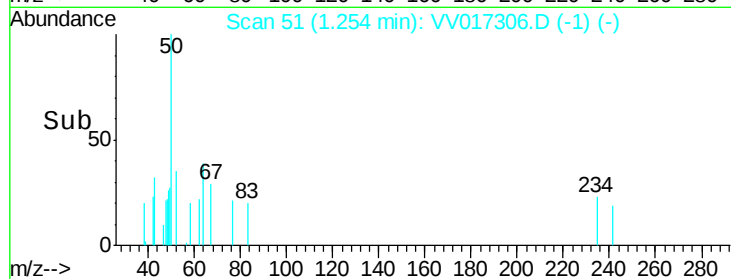
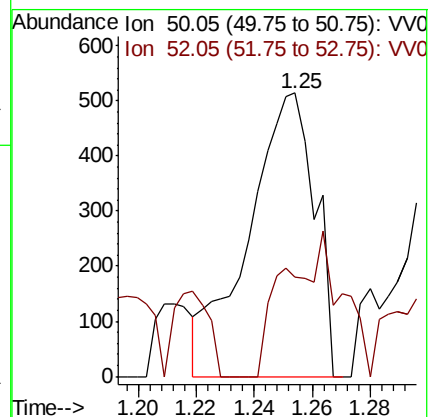
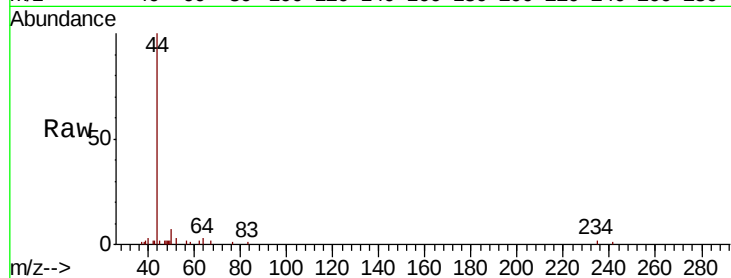
H4268

Tot Ion: 50 Resp: 818

Ion Ratio Lower Upper

50 100

52 35.2 22.5 41.9



#5

Vinyl chloride

Concen: 6.762 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV017306.D

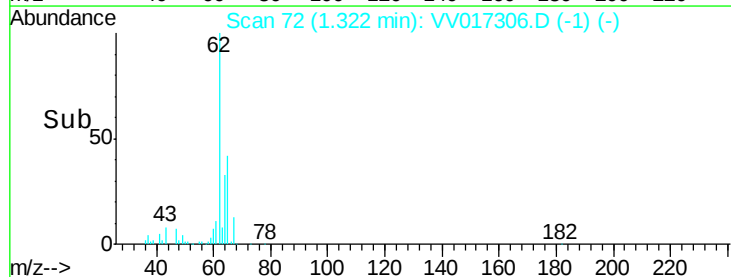
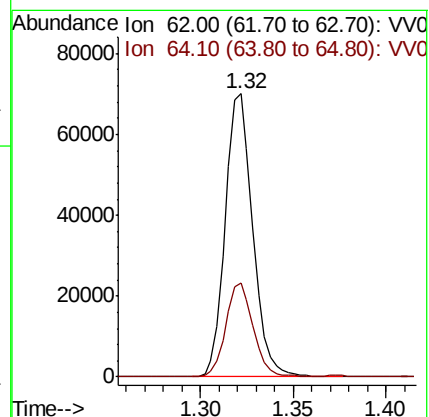
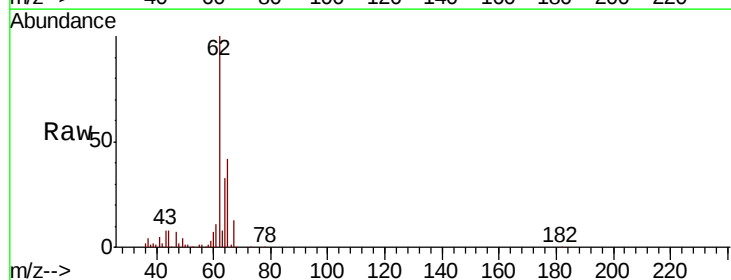
Acq: 02 Jul 2020 13:25

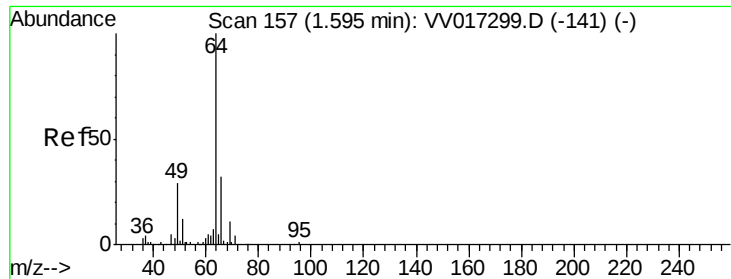
Tgt Ion: 62 Resp: 72175

Ion Ratio Lower Upper

62 100

64 33.3 22.5 41.7

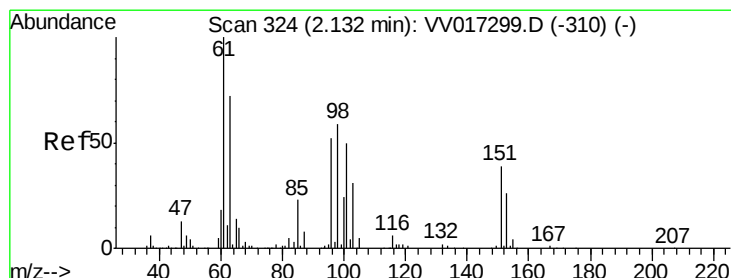
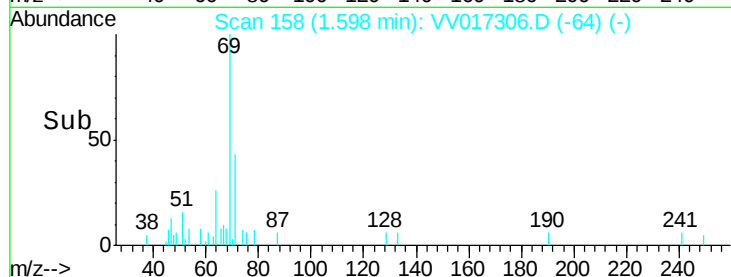
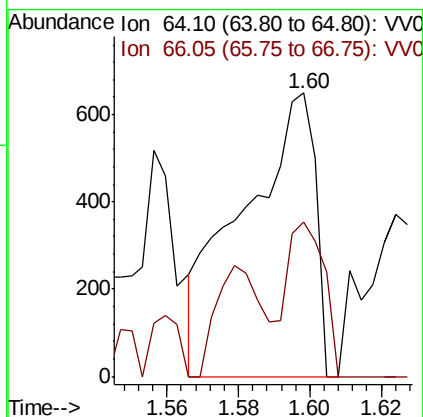
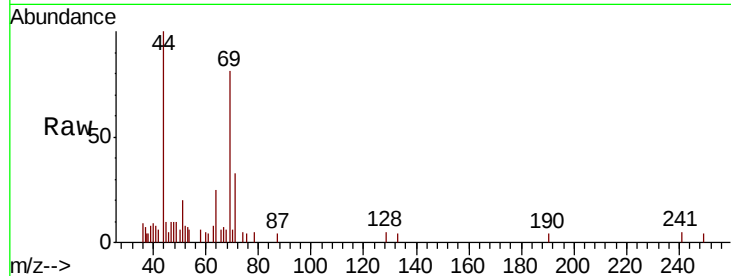




#8
Chloroethane
Concen: 0.156 ug/L
RT: 1.60 min Scan# 158
Delta R.T. 0.00 min
Lab File: VV017306.D
Acq: 02 Jul 2020 13:25

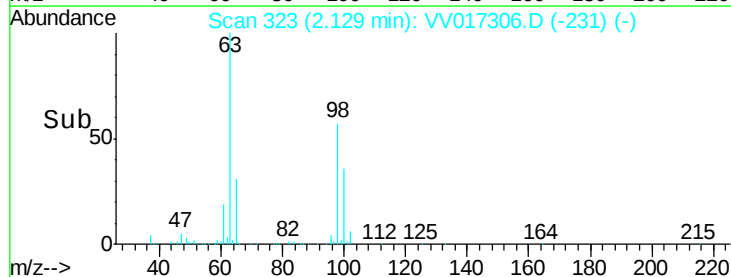
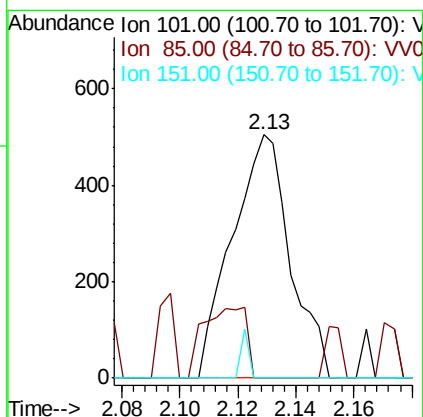
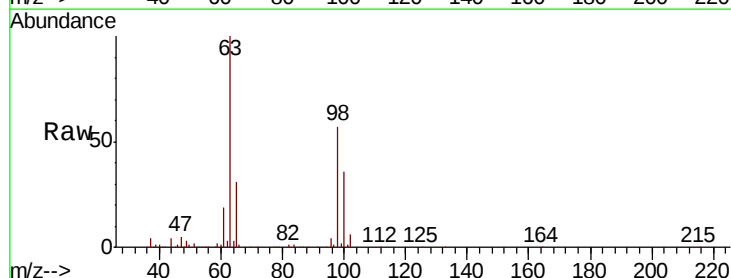
Instrument :
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ClientSampleId :
H4268

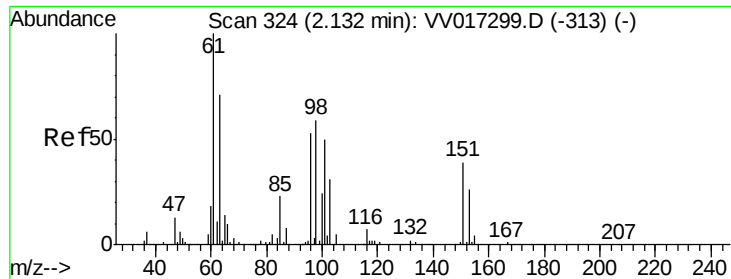
Tot Ion: 64 Resp: 920
Ion Ratio Lower Upper
64 100
66 54.4 22.8 42.4#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.082 ug/L
RT: 2.13 min Scan# 323
Delta R.T. -0.00 min
Lab File: VV017306.D
Acq: 02 Jul 2020 13:25

Tgt Ion: 101 Resp: 703
Ion Ratio Lower Upper
101 100
85 21.6 35.4 53.2#
151 2.8 63.9 95.9#





#12

1,1-Dichloroethene

Concen: 0.429 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.01 min

Lab File: VV017306.D

Acq: 02 Jul 2020 13:25

Instrument :

MSVOA_V

ClientSampled :

H4268

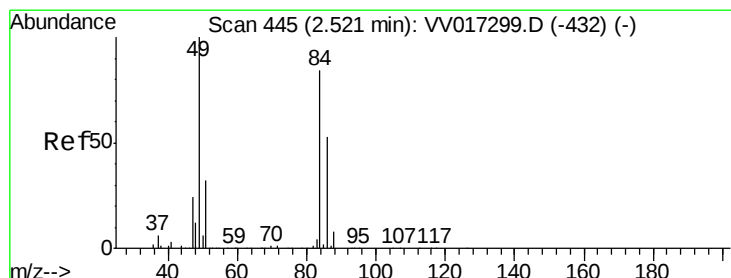
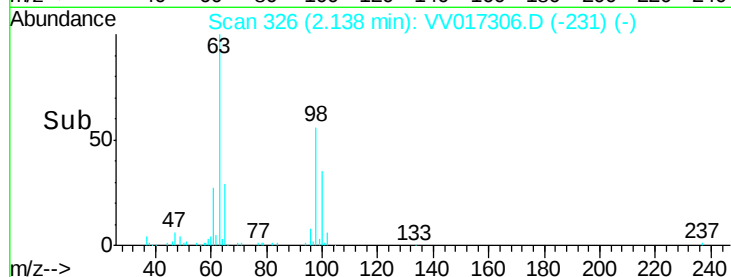
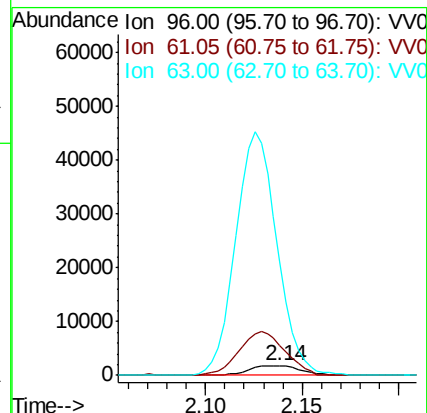
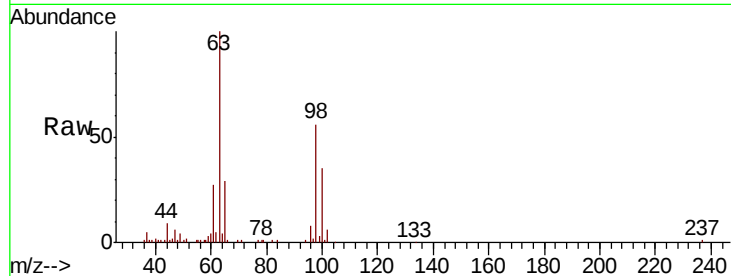
Tot Ion: 96 Resp: 3347

Ion Ratio Lower Upper

96 100

61 323.4 125.0 232.2#

63 1207.5 109.8 203.8#



#16

Methylene chloride

Concen: 0.144 ug/L

RT: 2.52 min Scan# 446

Delta R.T. 0.00 min

Lab File: VV017306.D

Acq: 02 Jul 2020 13:25

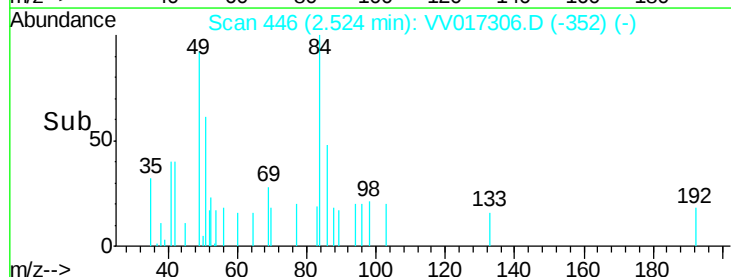
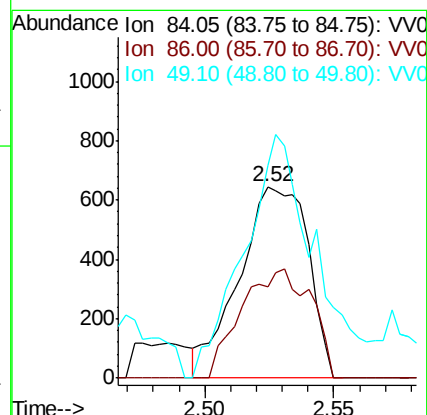
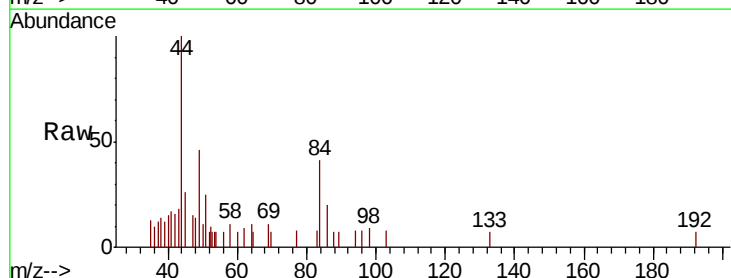
Tgt Ion: 84 Resp: 1204

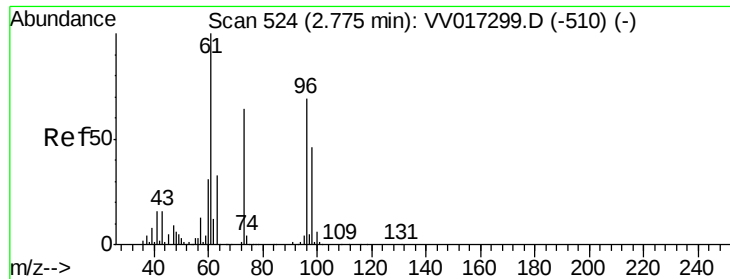
Ion Ratio Lower Upper

84 100

86 47.8 45.8 85.0

49 111.0 89.6 166.4

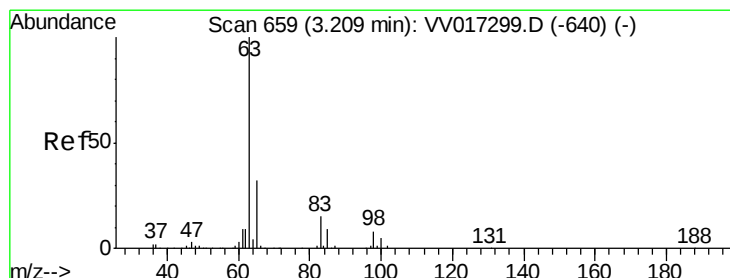
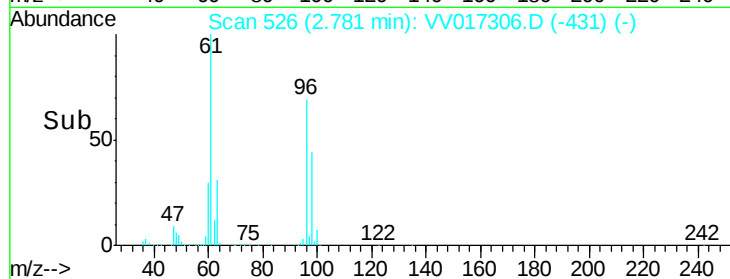
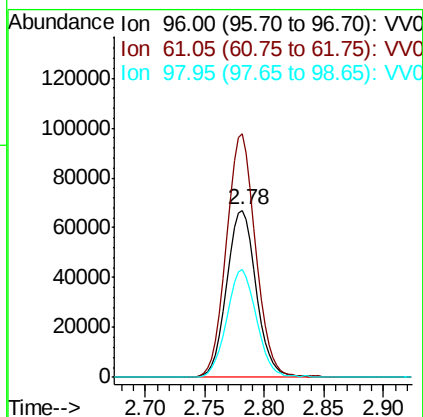
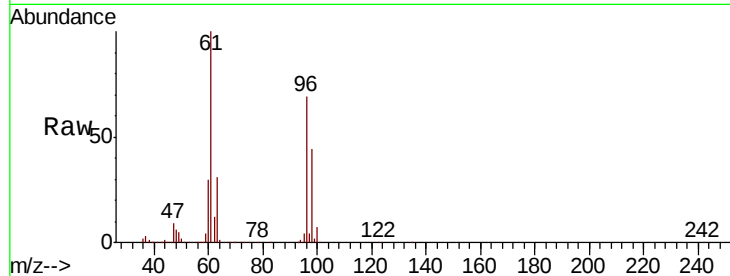




#18
trans-1,2-Dichloroethene
Concen: 13.942 ug/L
RT: 2.78 min Scan# 526
Delta R.T. 0.01 min
Lab File: VV017306.D
Acq: 02 Jul 2020 13:25

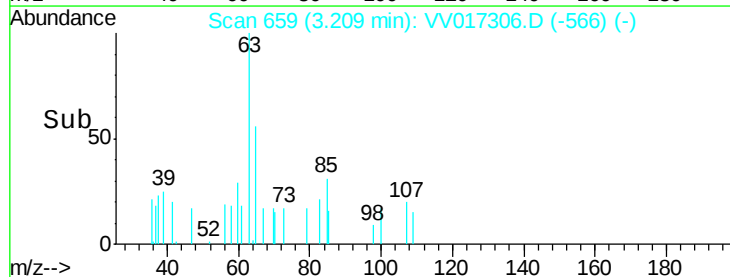
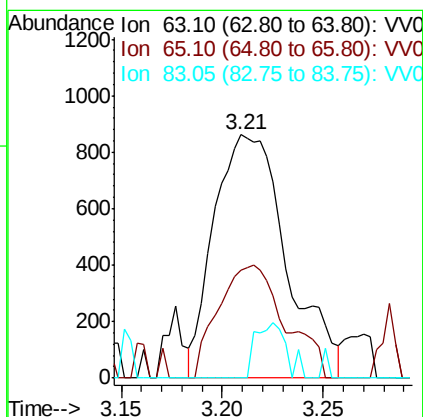
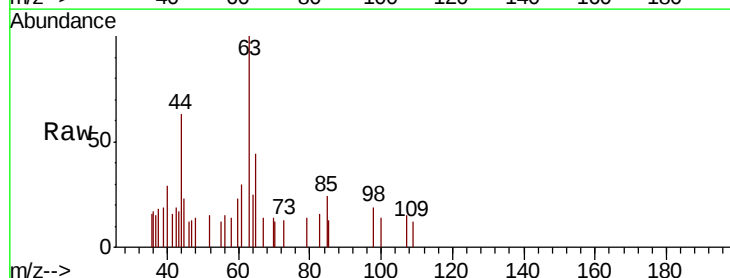
Instrument :
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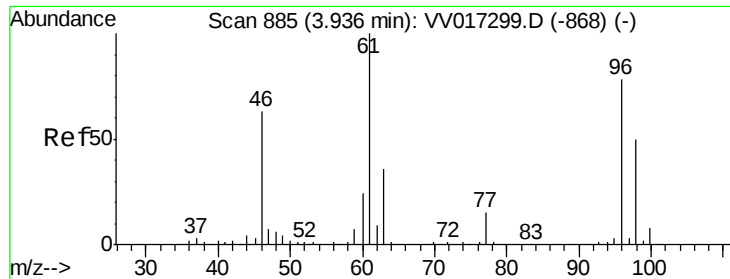
Tot Ion: 96 Resp: 115336
Ion Ratio Lower Upper
96 100
61 145.4 102.3 189.9
98 64.3 44.7 82.9



#19
1,1-Dichloroethane
Concen: 0.116 ug/L
RT: 3.21 min Scan# 659
Delta R.T. -0.00 min
Lab File: VV017306.D
Acq: 02 Jul 2020 13:25

Tgt Ion: 63 Resp: 2162
Ion Ratio Lower Upper
63 100
65 44.1 21.8 40.4#
83 0.0 9.7 17.9#

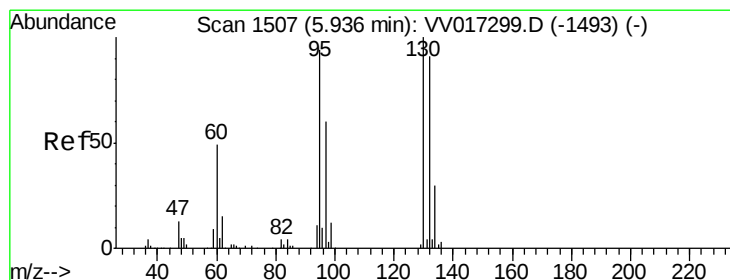
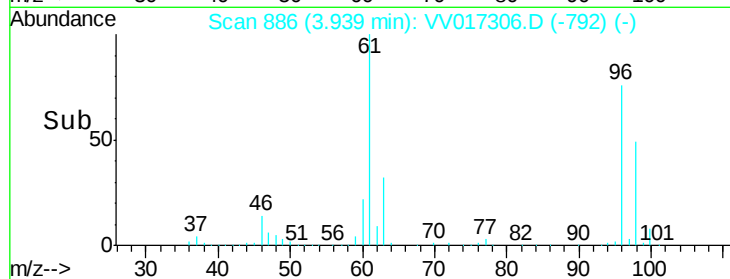
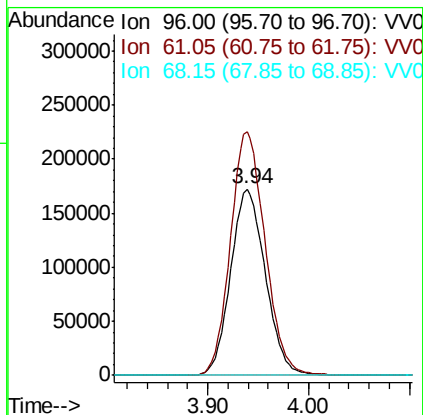
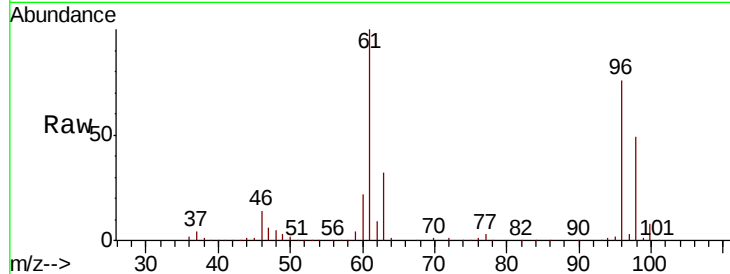




#22
 cis-1,2-Dichloroethene
 Concen: 36.426 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV017306.D
 Acq: 02 Jul 2020 13:25

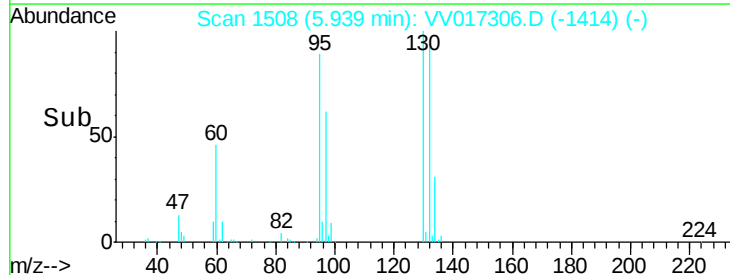
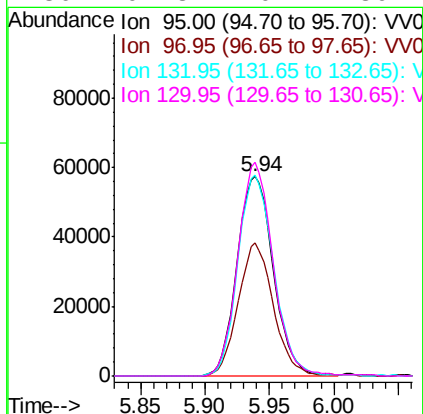
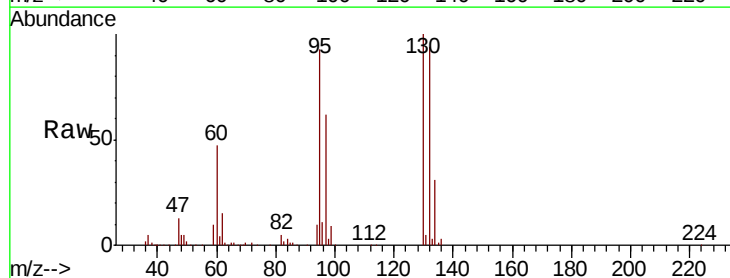
Instrument :
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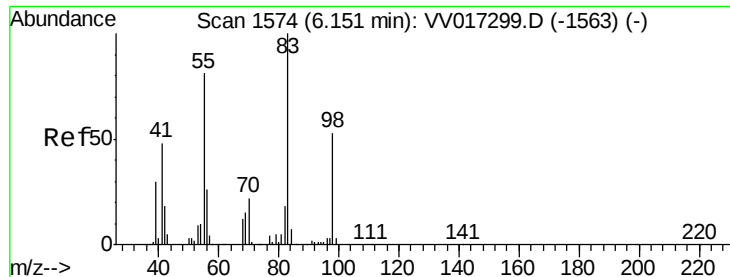
Tot Ion: 96 Resp: 412081
 Ion Ratio Lower Upper
 96 100
 61 130.9 91.0 169.0
 68 0.0 0.0 0.0



#34
 Trichloroethene
 Concen: 9.366 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VV017306.D
 Acq: 02 Jul 2020 13:25

Tgt Ion: 95 Resp: 112846
 Ion Ratio Lower Upper
 95 100
 97 66.7 45.3 84.1
 132 101.3 68.8 127.8
 130 107.3 70.2 130.4





#35

Methvlcvclohexane

Concen: 0.813 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.05 min

Lab File: VV017306.D

Acq: 02 Jul 2020 13:25

Instrument :

MSVOA_V

ClientSampleId :

H4268

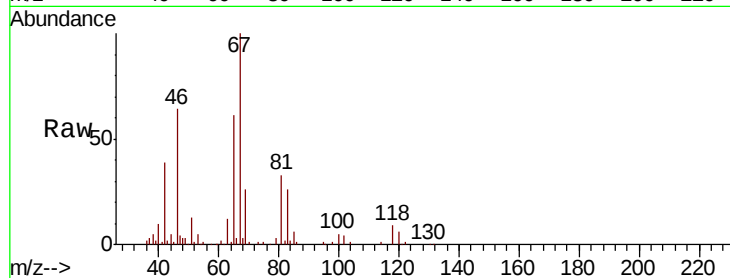
Tot Ion: 83 Resp: 15230

Ion Ratio Lower Upper

83 100

55 1.9 63.6 95.4#

98 1.0 38.8 58.2#

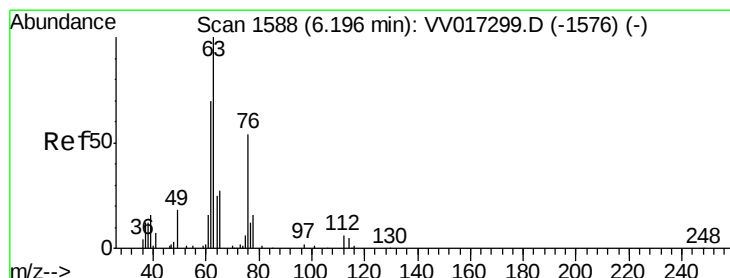
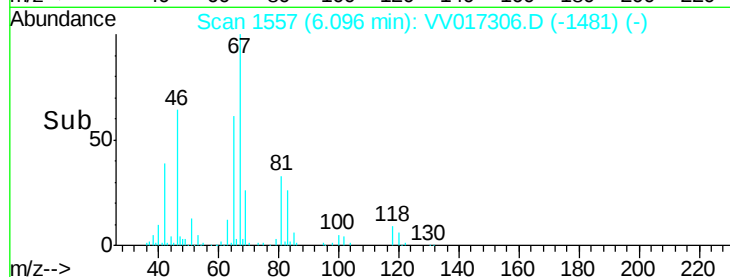


Abundance Ion 83.15 (82.85 to 83.85): VV017306.D (-1481) (-)

Ion 55.10 (54.80 to 55.80): VV017306.D (-1481) (-)

Ion 98.15 (97.85 to 98.85): VV017306.D (-1481) (-)

Time-->



#37

1,2-Dichloropropane

Concen: 0.692 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.10 min

Lab File: VV017306.D

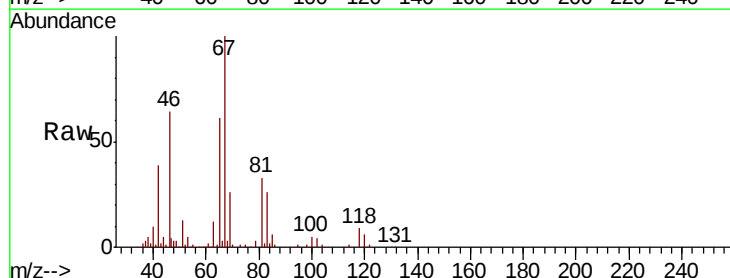
Acq: 02 Jul 2020 13:25

Tgt Ion: 63 Resp: 7046

Ion Ratio Lower Upper

63 100

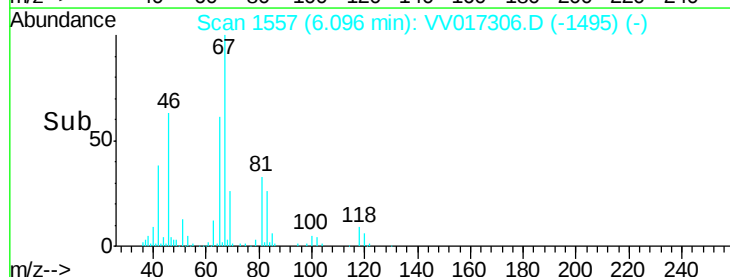
112 0.3 4.4 6.6#

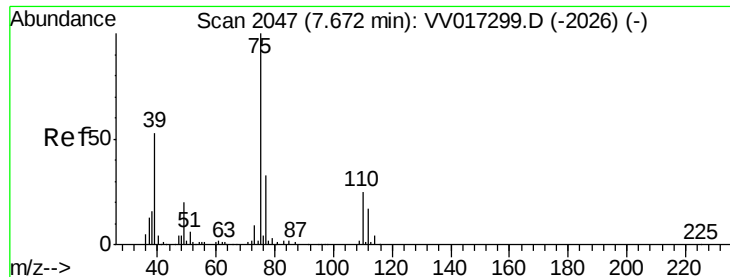


Abundance Ion 63.10 (62.80 to 63.80): VV017306.D (-1495) (-)

Ion 112.10 (111.80 to 112.80): VV017306.D (-1495) (-)

Time-->





#46

trans-1,3-Dichloropropene

Concen: 0.102 ug/L

RT: 7.65 min Scan# 2039

Delta R.T. -0.03 min

Lab File: VV017306.D

Acq: 02 Jul 2020 13:25

Instrument :

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ClientSampleId :

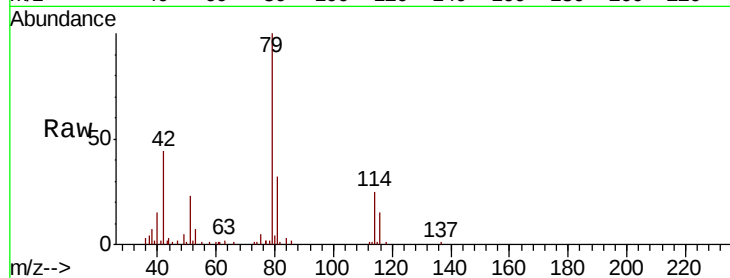
H4268

Tot Ion: 75 Resp: 1337

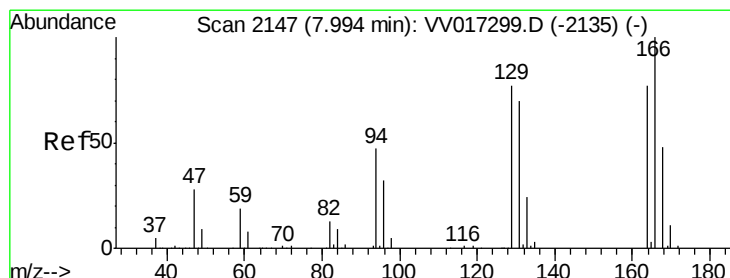
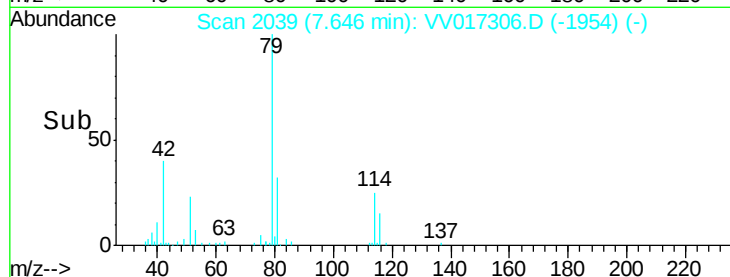
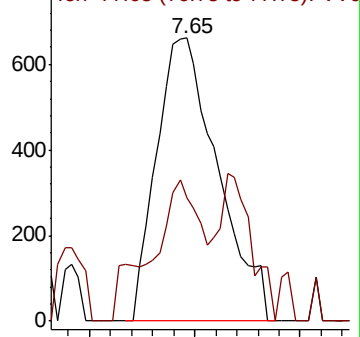
Ion Ratio Lower Upper

75 100

77 43.7 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VV017299.D (-2026) (-)



#49

Tetrachloroethene

Concen: 0.331 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.01 min

Lab File: VV017306.D

Acq: 02 Jul 2020 13:25

Tgt Ion: 164 Resp: 3207

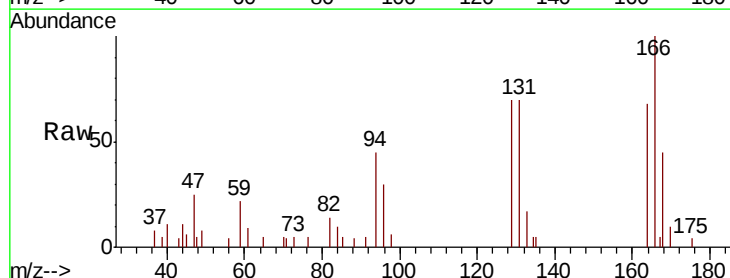
Ion Ratio Lower Upper

164 100

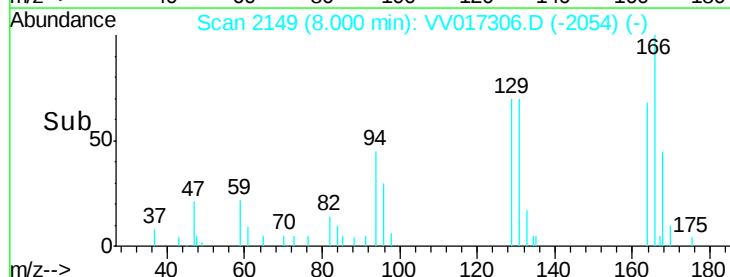
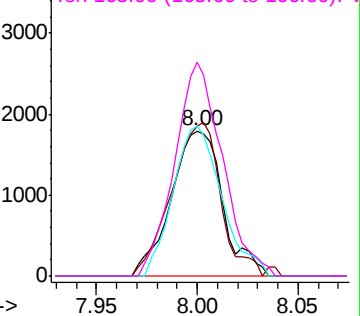
129 103.3 65.2 121.0

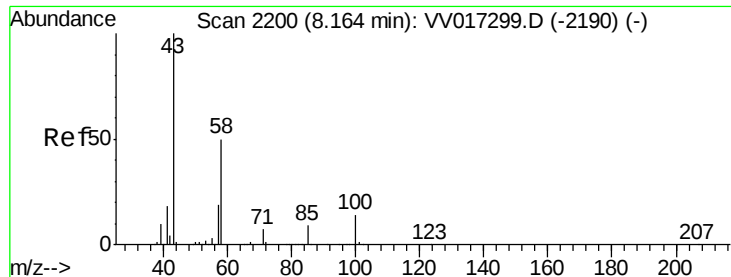
131 103.6 64.1 119.1

166 147.3 90.2 167.4



Abundance Ion 163.90 (163.60 to 164.60): VV017299.D (-2135) (-)

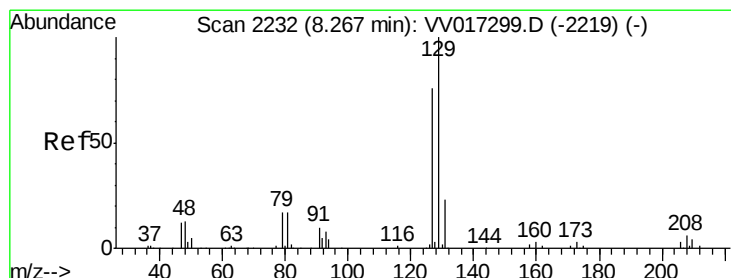
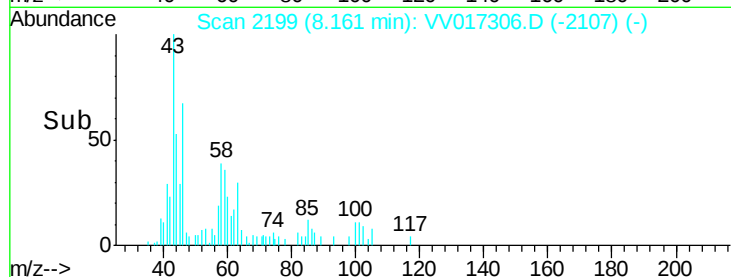
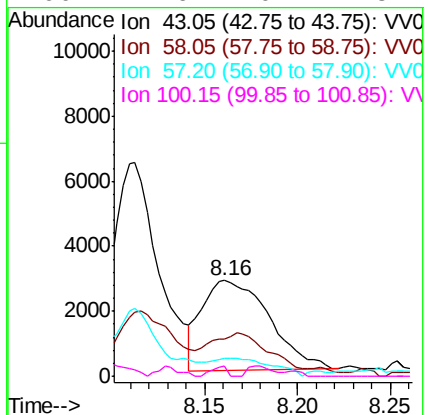
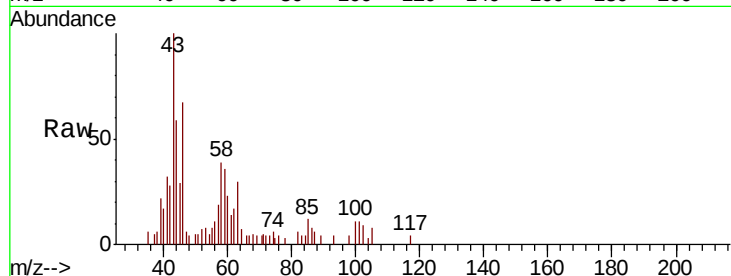




#50
2-Hexanone
Concen: 1.672 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. -0.00 min
Lab File: VV017306.D
Acq: 02 Jul 2020 13:25

Instrument :
MSVOA_V
ClientSampleId :
H4268

Tot Ion: 43 Resp: 6996
Ion Ratio Lower Upper
43 100
58 34.1 41.6 62.4#
57 18.4 15.4 23.0
100 2.6 10.1 15.1#



#51
Dibromochloromethane
Concen: 0.359 ug/L
RT: 8.00 min Scan# 2150
Delta R.T. -0.26 min
Lab File: VV017306.D
Acq: 02 Jul 2020 13:25

Tgt Ion: 129 Resp: 3145
Ion Ratio Lower Upper
129 100
127 0.0 54.1 100.5#

