

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070220\
 Data File : VV017321.D
 Acq On : 02 Jul 2020 21:25
 Operator : SY/MD
 Sample : L3154-08DL 5X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H4295DL

Quant Time: Jul 03 06:18:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 03 06:15:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	169786	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	160768	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	80249	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	42190	4.14	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.80%
7) Chloroethane-d5	1.58	69	33019	4.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.20%
11) 1,1-Dichloroethene-d2	2.13	63	66651	3.44	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.80%
20) 2-Butanone-d5	3.92	46	99624	38.36	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	76.72%
24) Chloroform-d	4.38	84	92530	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.80%
26) 1,2-Dichloroethane-d4	5.06	65	51649	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.40%
32) Benzene-d6	5.08	84	169503	4.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.40%
36) 1,2-Dichloropropane-d6	6.10	67	48832	3.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	78.20%
41) Toluene-d8	7.34	98	153438	3.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.40%
45) trans-1,3-Dichloropropene-	7.65	79	19848	3.82	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.40%
48) 2-Hexanone-d5	8.11	63	64436	32.52	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	65.04%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	33630	4.05	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	81.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	64321	4.34	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.80%

Target Compounds

					Ovalue
5) Vinyl chloride	1.32	62	26245	2.356	ug/L 93
8) Chloroethane	1.58	64	11911	1.934	ug/L # 51
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	672	0.075	ug/L # 19
12) 1,1-Dichloroethene	2.12	96	791	0.097	ug/L # 1
16) Methylene chloride	2.53	84	6208	0.711	ug/L 91
17) Methyl tert-butyl Ether	2.79	73	202386	9.892	ug/L 96
19) 1,1-Dichloroethane	3.21	63	3359	0.173	ug/L # 89
22) cis-1,2-Dichloroethene	3.95	96	3595	0.304	ug/L 90
30) Cyclohexane	4.71	56	6940	0.379	ug/L # 93
33) Benzene	5.13	78	39630	0.941	ug/L 100
34) Trichloroethene	5.95	95	2108	0.171	ug/L 94
35) Methylcyclohexane	6.10	83	13321	0.695	ug/L # 19
37) 1,2-Dichloropropane	6.10	63	6455	0.619	ug/L # 85
39) cis-1,3-Dichloropropene	7.01	75	1729	0.112	ug/L # 70
46) trans-1,3-Dichloropropene	7.65	75	1042	0.078	ug/L 91
50) 2-Hexanone	8.17	43	4383	1.023	ug/L # 87
60) 1,1,2,2-Tetrachloroethane	10.24	83	765	0.100	ug/L # 1

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ALS Vial : 25 Sample Multiplier: 1

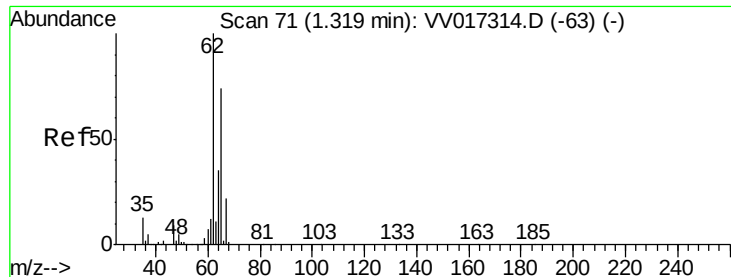
Instrument :
MSVOA_V
ClientSampleId :
H4295DL

Quant Time: Jul 03 06:18:53 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jul 03 06:15:26 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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#5

Vinyl chloride

Concen: 2.356 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV017321.D

Acq: 02 Jul 2020 21:25

Instrument :

MSVOA_V

ClientSampleID :

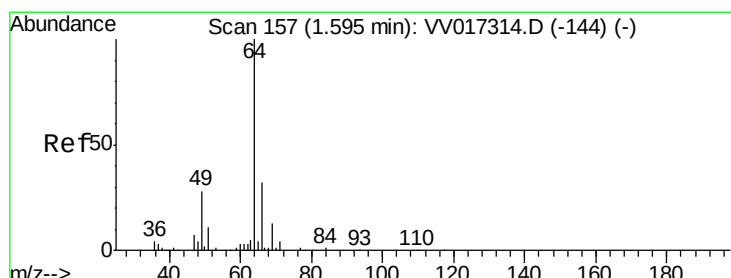
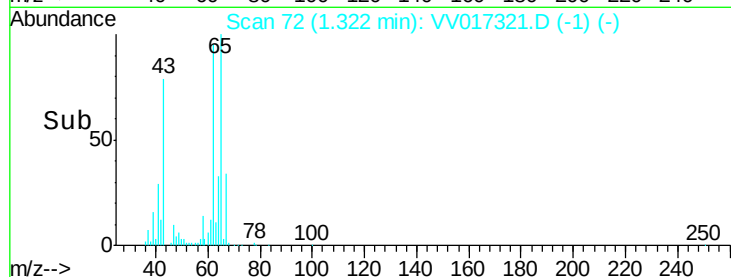
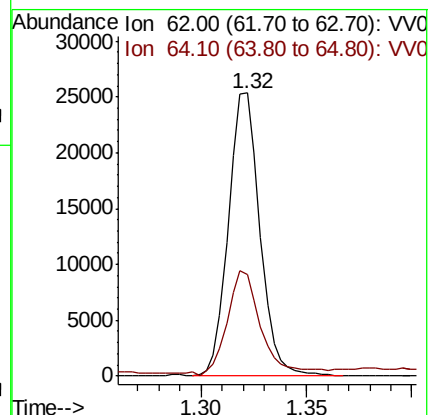
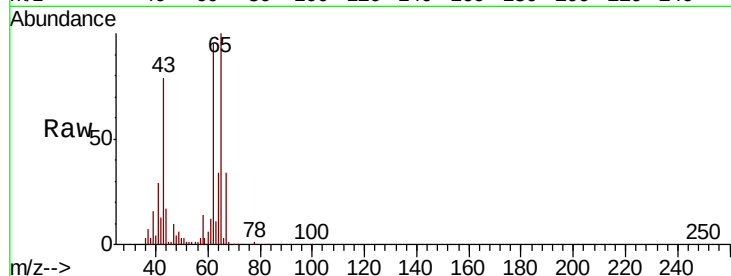
H4295DL

Tot Ion: 62 Resp: 26245

Ion Ratio Lower Upper

62 100

64 35.7 22.5 41.7



#8

Chloroethane

Concen: 1.934 ug/L

RT: 1.58 min Scan# 151

Delta R.T. -0.02 min

Lab File: VV017321.D

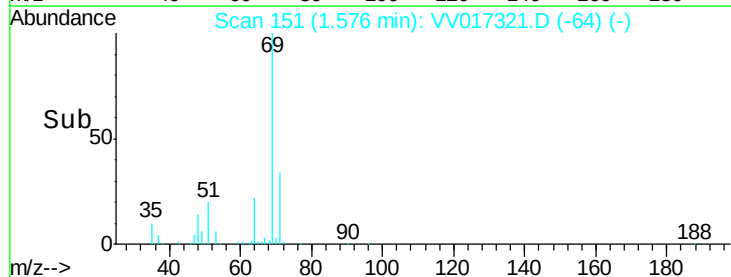
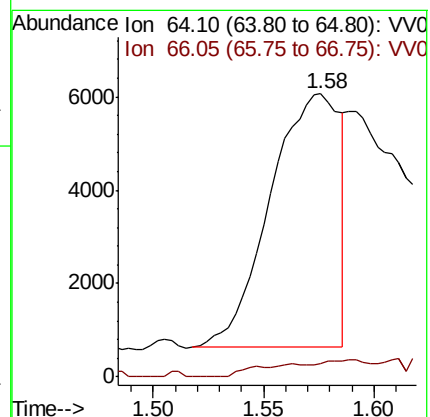
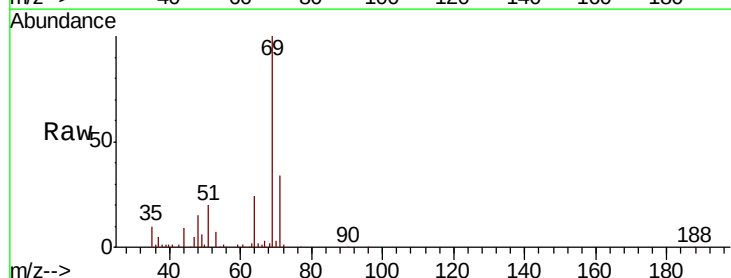
Acq: 02 Jul 2020 21:25

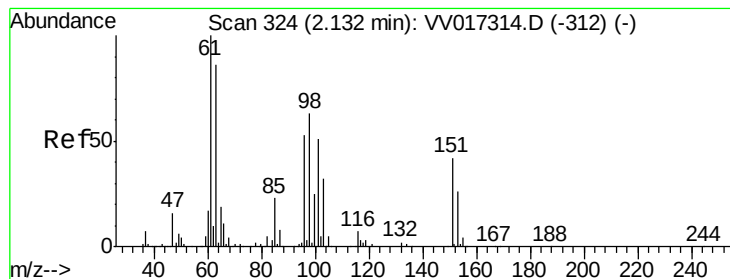
Tgt Ion: 64 Resp: 11911

Ion Ratio Lower Upper

64 100

66 4.9 22.8 42.4#





#10

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

Concen: 0.075 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV017321.D

Acq: 02 Jul 2020 21:25

Instrument :

MSVOA_V

ClientSampleId :

H4295DL

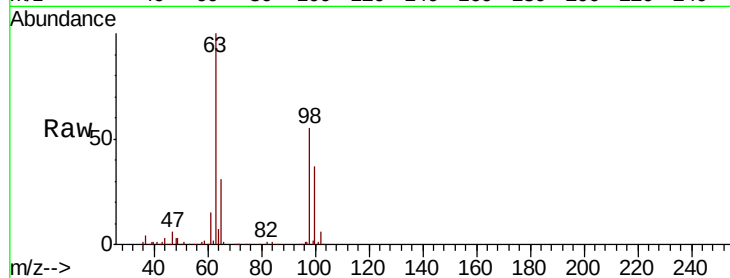
Tot Ion:101 Resp: 672

Ion Ratio Lower Upper

101 100

85 3.1 35.4 53.2#

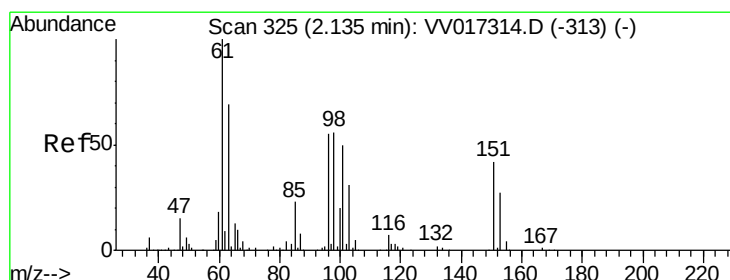
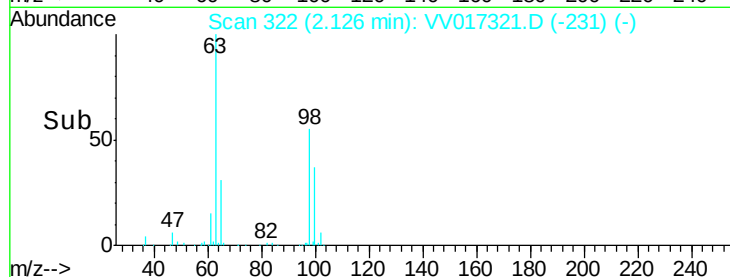
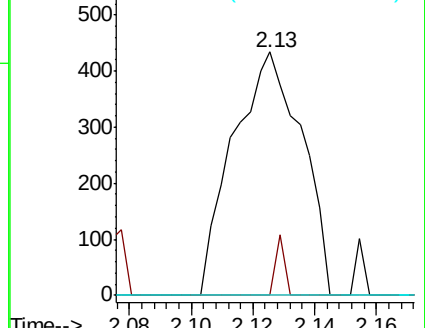
151 0.0 63.9 95.9#



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: 0.097 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV017321.D

Acq: 02 Jul 2020 21:25

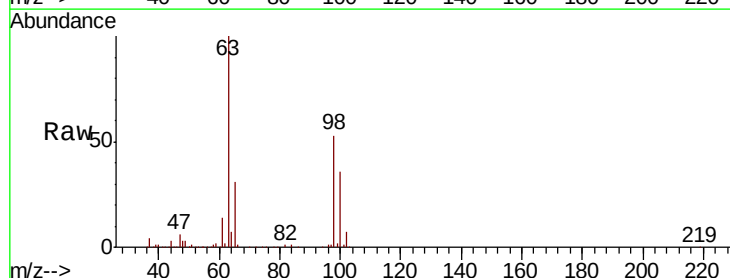
Tgt Ion: 96 Resp: 791

Ion Ratio Lower Upper

96 100

61 1067.9 125.0 232.2#

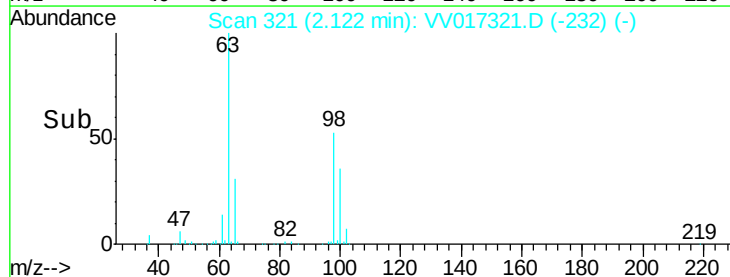
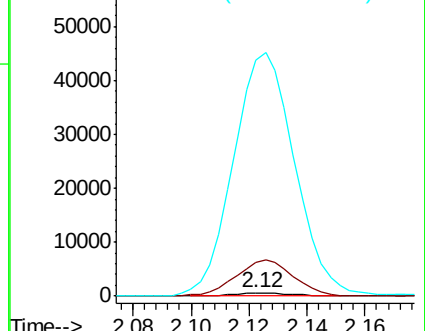
63 7568.3 109.8 203.8#

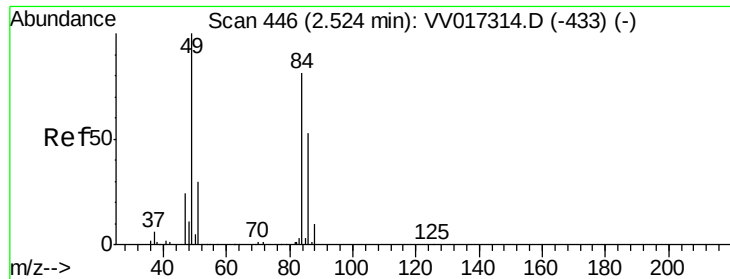


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0

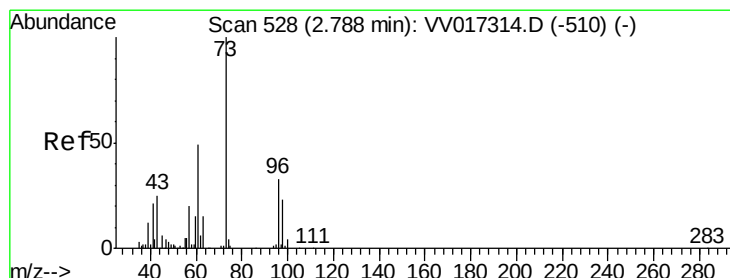
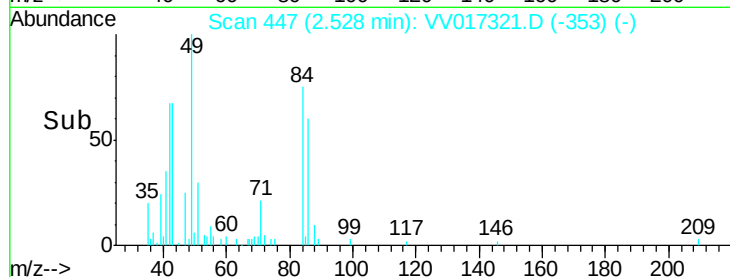
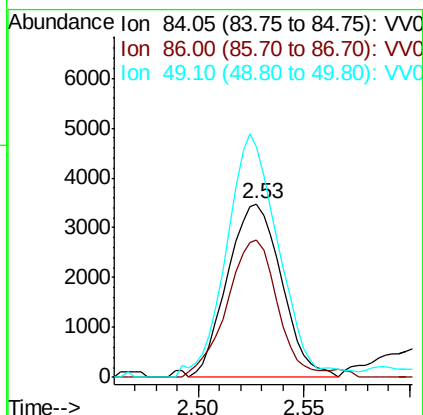
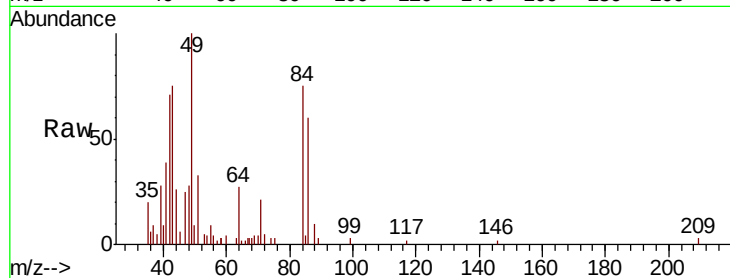




#16
Methylene chloride
Concen: 0.711 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV017321.D
Acq: 02 Jul 2020 21:25

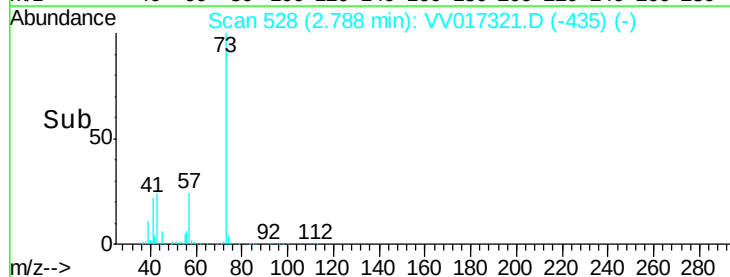
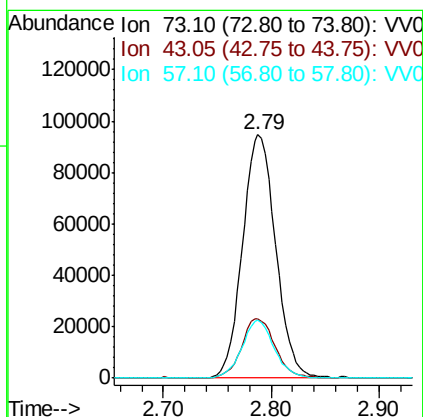
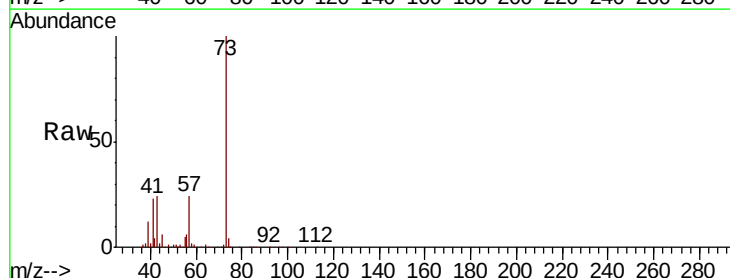
Instrument :
MSVOA_V
ClientSampleId :
H4295DL

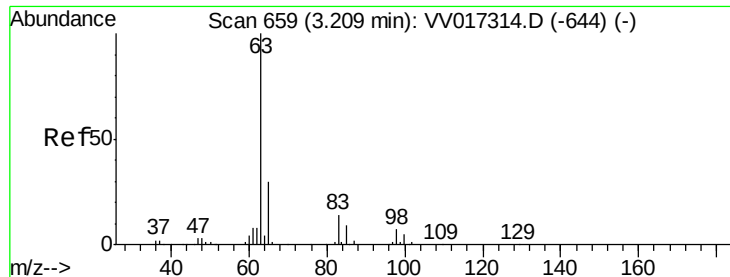
Tot Ion: 84 Resp: 6208
Ion Ratio Lower Upper
84 100
86 79.2 45.8 85.0
49 133.0 89.6 166.4



#17
Methyl tert-butyl Ether
Concen: 9.892 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV017321.D
Acq: 02 Jul 2020 21:25

Tgt Ion: 73 Resp: 202386
Ion Ratio Lower Upper
73 100
43 24.8 18.6 28.0
57 23.2 16.4 24.6





#19

1,1-Dichloroethane

Concen: 0.173 ug/L

RT: 3.21 min Scan# 659

Delta R.T. -0.00 min

Lab File: VV017321.D

Acq: 02 Jul 2020 21:25

Instrument :

MSVOA_V

ClientSampleId :

H4295DL

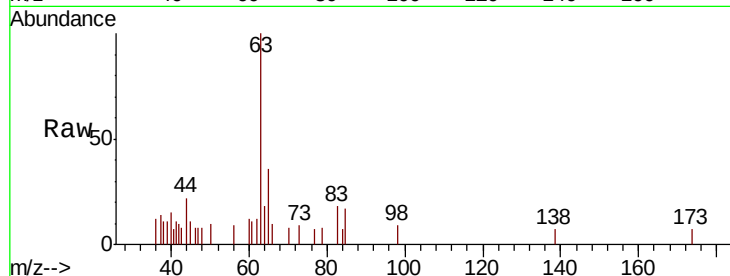
Tot Ion: 63 Resp: 3359

Ion Ratio Lower Upper

63 100

65 30.6 21.8 40.4

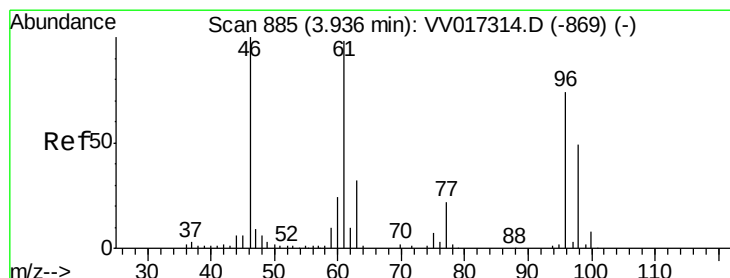
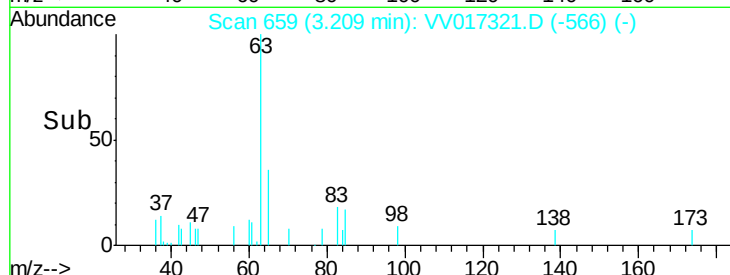
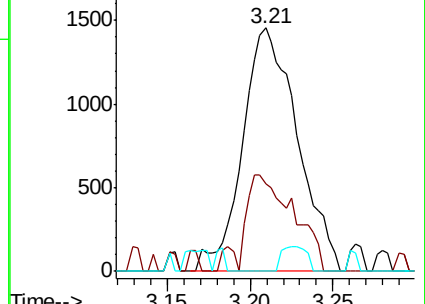
83 0.0 9.7 17.9#



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



#22

cis-1,2-Dichloroethene

Concen: 0.304 ug/L

RT: 3.95 min Scan# 888

Delta R.T. 0.01 min

Lab File: VV017321.D

Acq: 02 Jul 2020 21:25

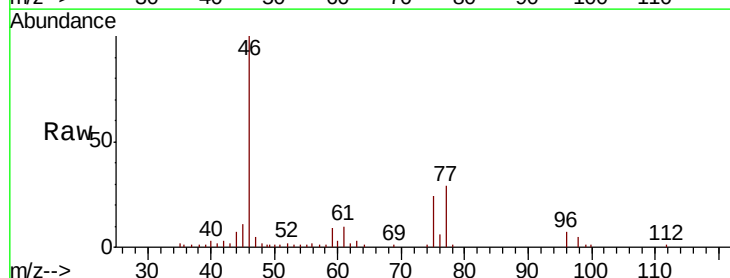
Tgt Ion: 96 Resp: 3595

Ion Ratio Lower Upper

96 100

61 141.4 91.0 169.0

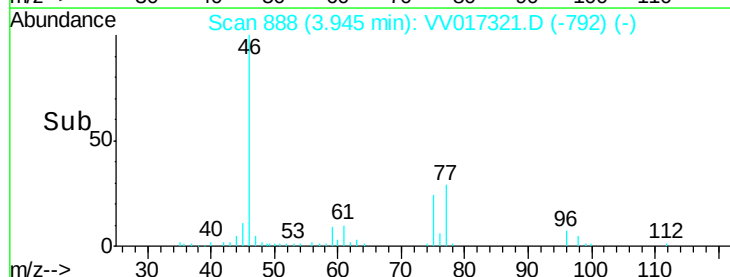
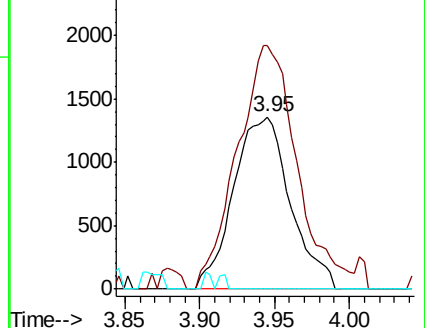
68 0.0 0.0 0.0

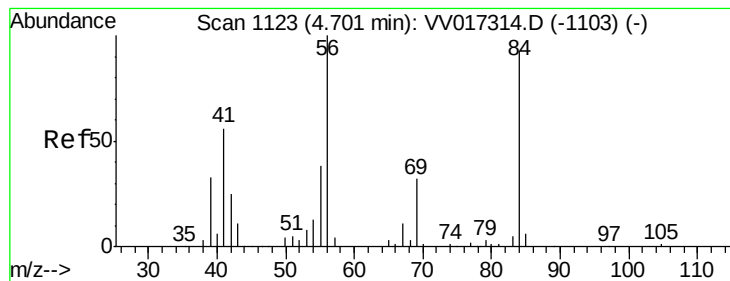


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0





#30

Cyclohexane

Concen: 0.379 ug/L

RT: 4.71 min Scan# 1125

Delta R.T. 0.01 min

Lab File: VV017321.D

Acq: 02 Jul 2020 21:25

Instrument :

MSVOA_V

ClientSampled :

H4295DL

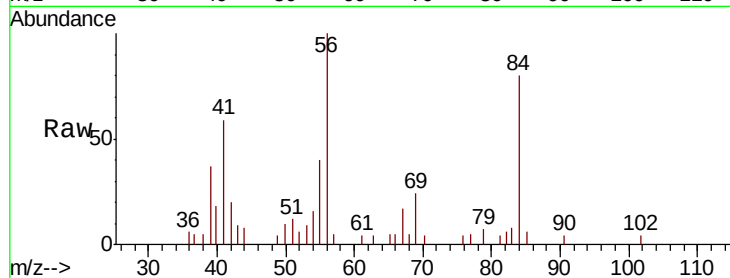
Tot Ion: 56 Resp: 6940

Ion Ratio Lower Upper

56 100

69 18.1 24.4 36.6#

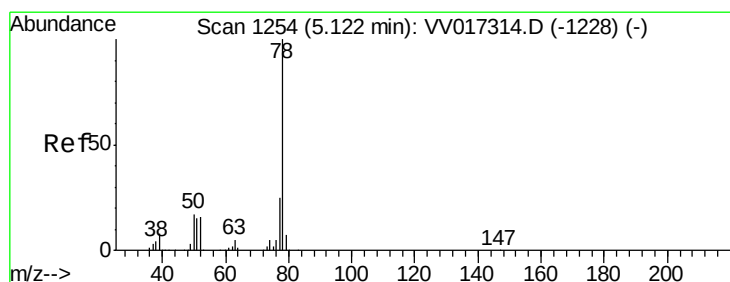
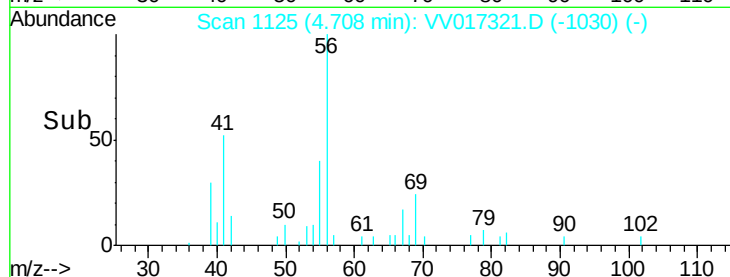
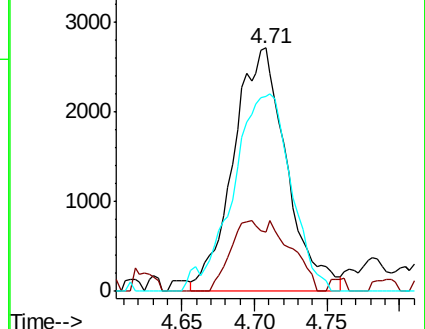
84 85.8 69.9 104.9



Abundance Ion 56.10 (55.80 to 56.80): VV017321.D (-1030) (-)

Ion 69.15 (68.85 to 69.85): VV017321.D (-1030) (-)

Ion 84.15 (83.85 to 84.85): VV017321.D (-1030) (-)



#33

Benzene

Concen: 0.941 ug/L

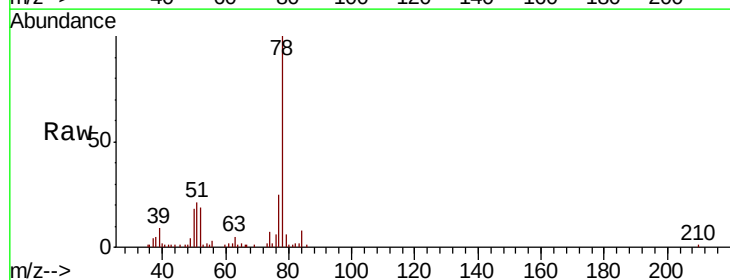
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

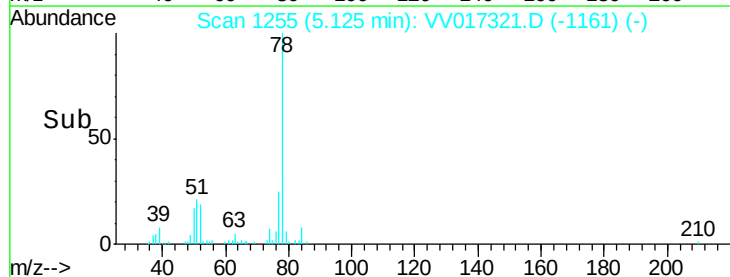
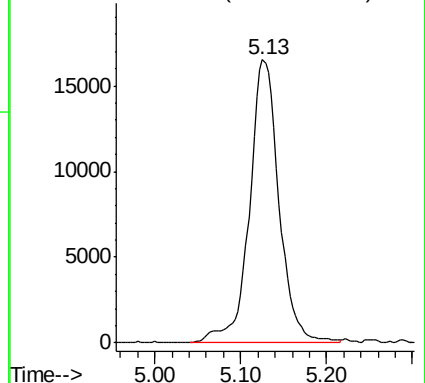
Lab File: VV017321.D

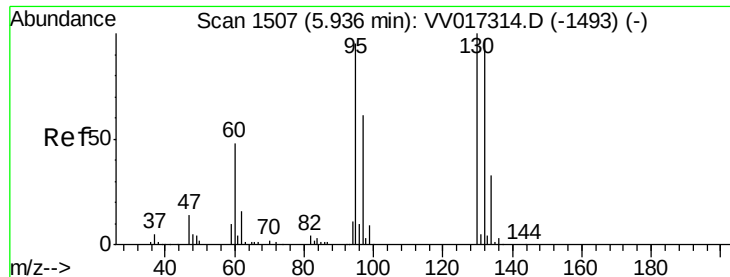
Acq: 02 Jul 2020 21:25

Tgt Ion: 78 Resp: 39630



Abundance Ion 78.10 (77.80 to 78.80): VV017321.D (-1161) (-)





#34

Trichloroethene

Concen: 0.171 ug/L

RT: 5.95 min Scan# 1511

Delta R.T. 0.01 min

Lab File: VV017321.D

Acq: 02 Jul 2020 21:25

Instrument :

MSVOA_V

ClientSampleID :

H4295DL

Tot Ion: 95 Resp: 2108

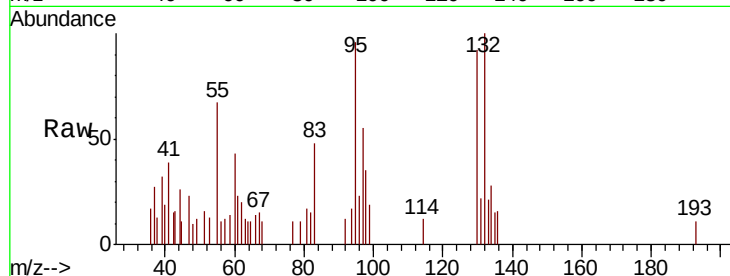
Ion Ratio Lower Upper

95 100

97 57.5 45.3 84.1

132 104.1 68.8 127.8

130 95.4 70.2 130.4

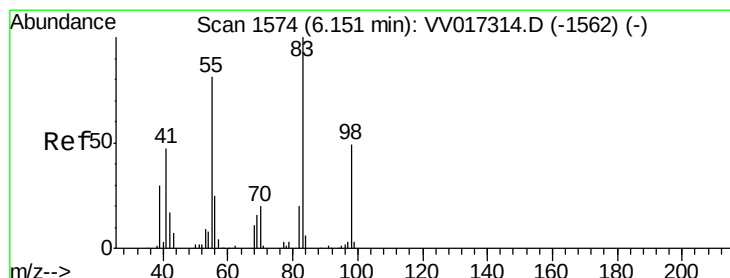
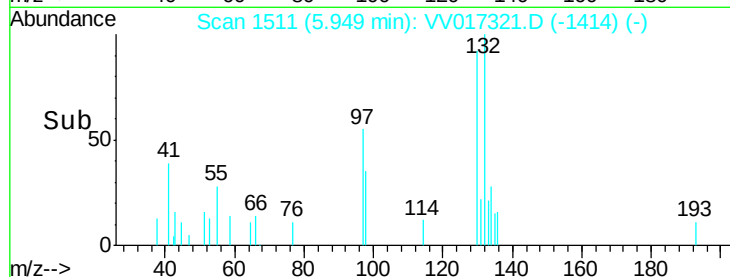
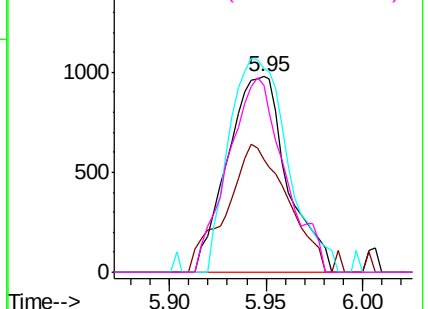


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 0.695 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.05 min

Lab File: VV017321.D

Acq: 02 Jul 2020 21:25

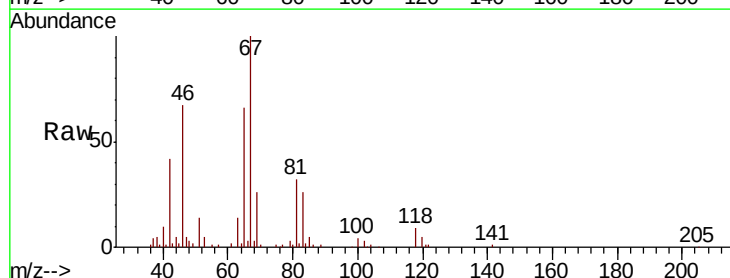
Tgt Ion: 83 Resp: 13321

Ion Ratio Lower Upper

83 100

55 1.9 63.6 95.4#

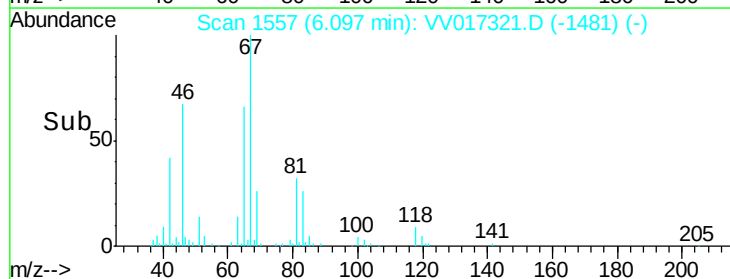
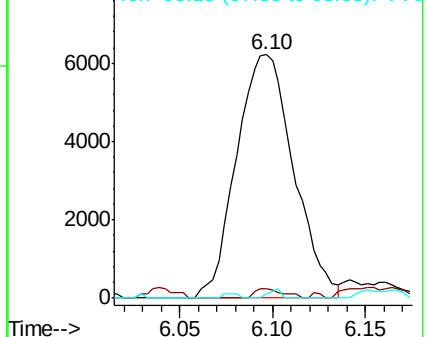
98 0.8 38.8 58.2#

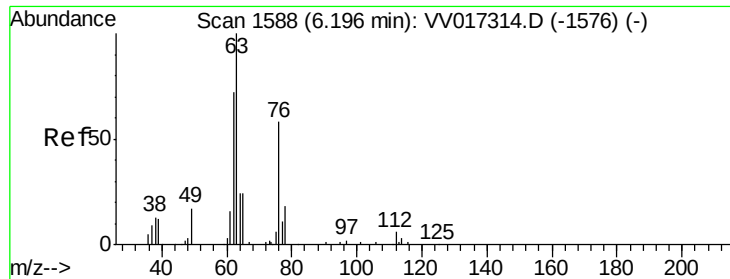


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

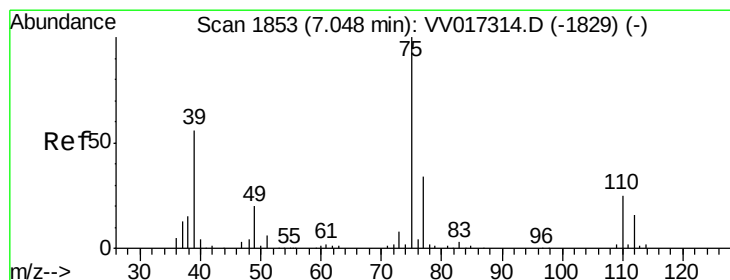
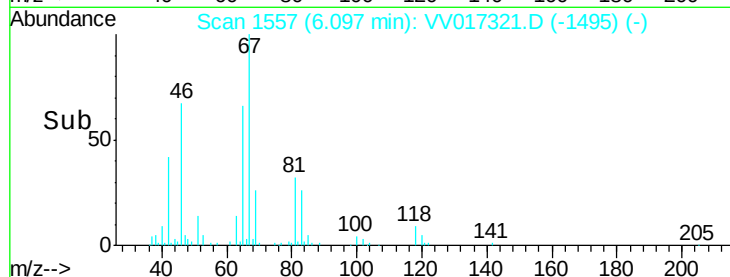
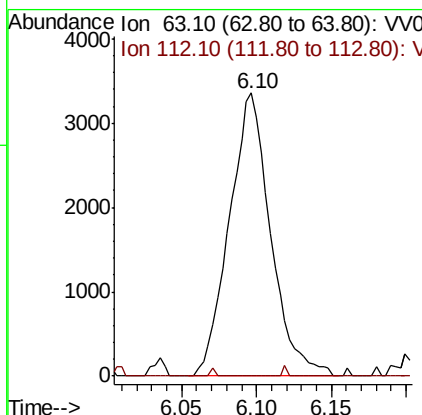
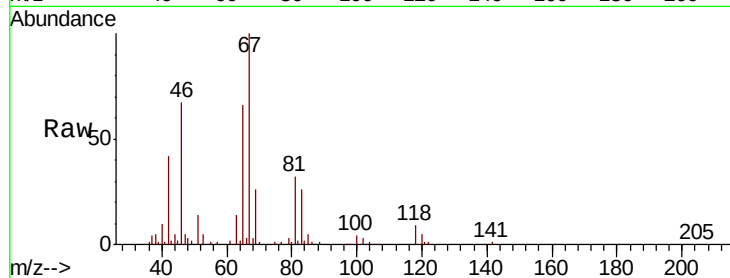




#37
 1,2-Dichloropropane
 Concen: 0.619 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.10 min
 Lab File: VV017321.D
 Acq: 02 Jul 2020 21:25

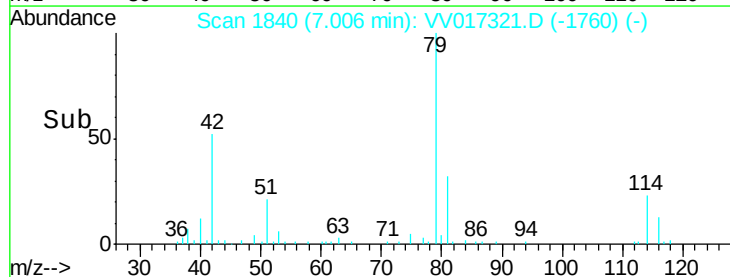
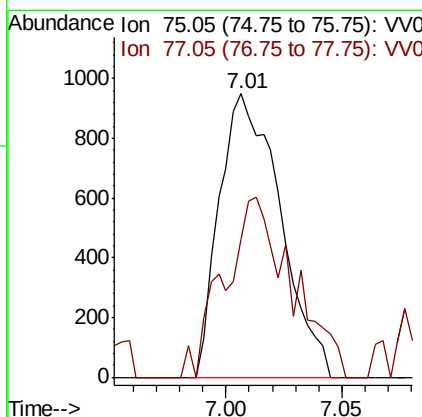
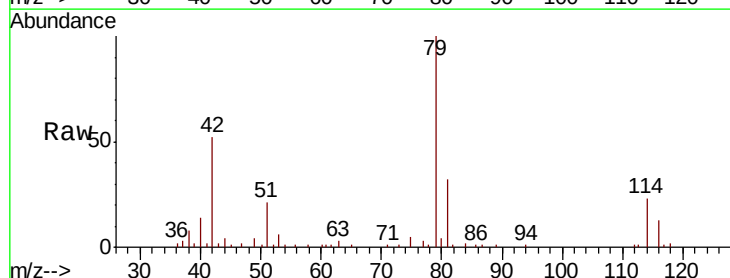
Instrument :
 MSVOA_V
 ClientSampleId :
 H4295DL

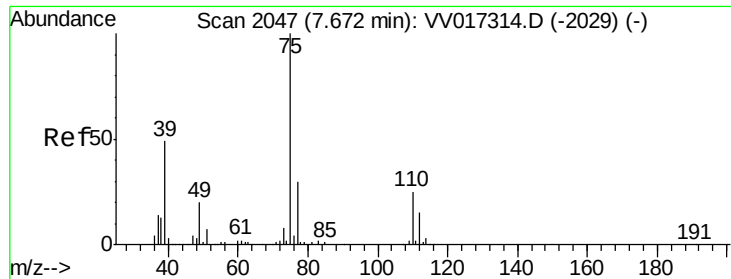
Tot Ion: 63 Resp: 6455
 Ion Ratio Lower Upper
 63 100
 112 0.4 4.4 6.6#



#39
 cis-1,3-Dichloropropene
 Concen: 0.112 ug/L
 RT: 7.01 min Scan# 1840
 Delta R.T. -0.04 min
 Lab File: VV017321.D
 Acq: 02 Jul 2020 21:25

Tgt Ion: 75 Resp: 1729
 Ion Ratio Lower Upper
 75 100
 77 48.7 22.3 41.5#





#46

trans-1,3-Dichloropropene

Concen: 0.078 ug/L

RT: 7.65 min Scan# 2039

Delta R.T. -0.03 min

Lab File: VV017321.D

Acq: 02 Jul 2020 21:25

Instrument :

MSVOA_V

ClientSampleId :

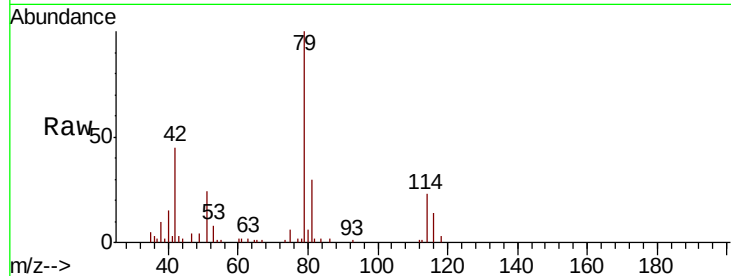
H4295DL

Tot Ion: 75 Resp: 1042

Ion Ratio Lower Upper

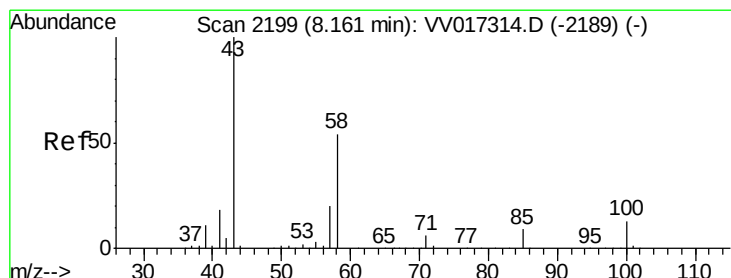
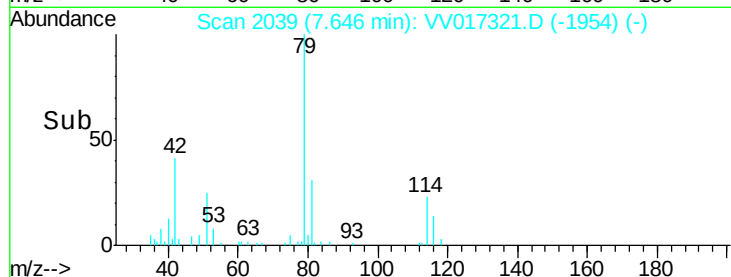
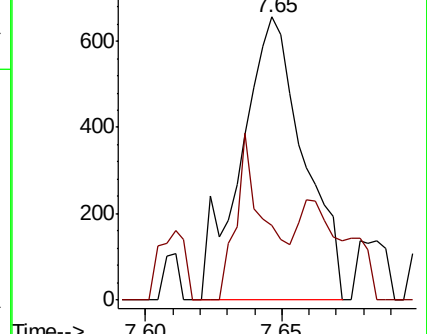
75 100

77 26.5 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#50

2-Hexanone

Concen: 1.023 ug/L

RT: 8.17 min Scan# 2202

Delta R.T. 0.01 min

Lab File: VV017321.D

Acq: 02 Jul 2020 21:25

Tgt Ion: 43 Resp: 4383

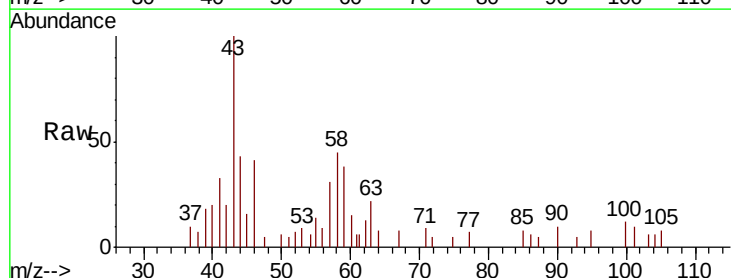
Ion Ratio Lower Upper

43 100

58 59.5 41.6 62.4

57 26.4 15.4 23.0#

100 5.6 10.1 15.1#

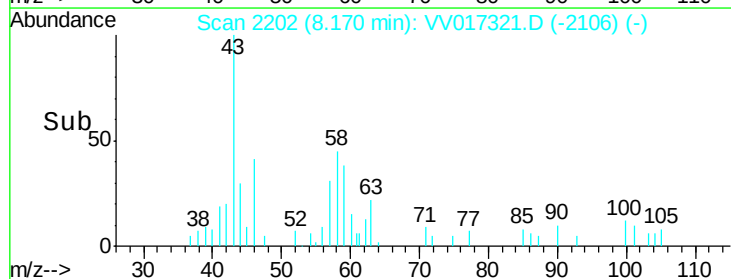
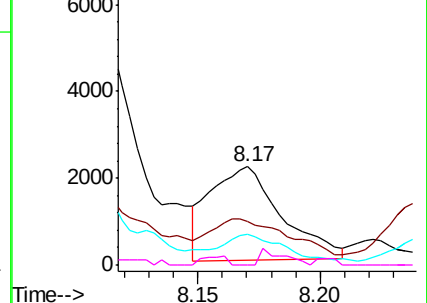


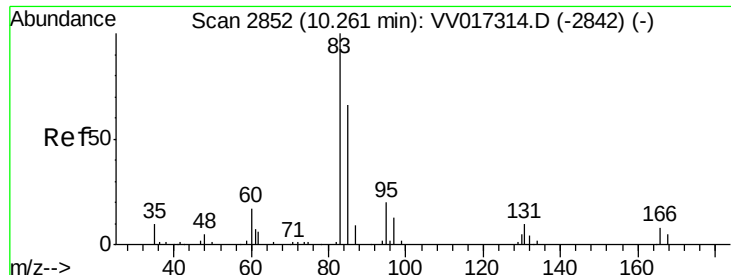
Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0





#60
 1,1,2,2-Tetrachloroethane
 Concen: 0.100 ug/L
 RT: 10.24 min Scan# 2847
 Delta R.T. -0.02 min
 Lab File: VV017321.D
 Acq: 02 Jul 2020 21:25

Instrument :
 MSVOA_V
 ClientSampleId :
 H4295DL

Tot Ion: 83 Resp: 765
 Ion Ratio Lower Upper
 83 100
 85 0.0 42.9 79.7#
 131 98.1 8.6 13.0#

