

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV063020\
 Data File : VV017272.D
 Acq On : 30 Jun 2020 19:58
 Operator : SY/MD
 Sample : L3168-10
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 01 06:05:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 01 06:00:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	169600	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	165154	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	78976	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	46661	4.58	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.60%
7) Chloroethane-d5	1.58	69	38644	5.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.40%
11) 1,1-Dichloroethene-d2	2.13	63	70484	3.64	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.80%
20) 2-Butanone-d5	3.92	46	128005	49.34	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.68%
24) Chloroform-d	4.38	84	109670	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.80%
26) 1,2-Dichloroethane-d4	5.06	65	59731	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.40%
32) Benzene-d6	5.08	84	197360	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.20%
36) 1,2-Dichloropropane-d6	6.10	67	58566	4.57	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.40%
41) Toluene-d8	7.34	98	170625	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.00%
45) trans-1,3-Dichloropropene-	7.65	79	24330	4.55	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.00%
48) 2-Hexanone-d5	8.11	63	108566	53.33	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.66%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	42481	4.98	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.60%
65) 1,2-Dichlorobenzene-d4	11.65	152	74015	5.07	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.55	64	185804	30.210	ug/L #	52
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	807	0.090	ug/L #	26
12) 1,1-Dichloroethene	2.13	96	1388	0.171	ug/L #	1
13) Acetone	2.20	43	6433	4.905	ug/L	86
15) Methyl Acetate	2.46	43	3395	1.059	ug/L #	53
25) Chloroform	4.41	83	14031	0.663	ug/L	96
29) 1,1,1-Trichloroethane	4.64	97	1722	0.087	ug/L #	86
33) Benzene	5.13	78	3527	0.082	ug/L	100
34) Trichloroethene	5.94	95	27192	2.147	ug/L	98
35) Methylcyclohexane	6.09	83	15338	0.779	ug/L #	18
37) 1,2-Dichloropropane	6.09	63	8032	0.750	ug/L #	85
39) cis-1,3-Dichloropropene	7.01	75	2238	0.141	ug/L	97
42) Toluene	7.41	91	4637	0.092	ug/L	98
46) trans-1,3-Dichloropropene	7.65	75	1561	0.113	ug/L	96
47) 1,1,2-Trichloroethane	8.02	97	214553	28.253	ug/L #	9
49) Tetrachloroethene	8.03	164	19177628	1881.324	ug/L	85
51) Dibromochloromethane	8.02	129	18849770	2047.794	ug/L #	11

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QLast Update : Wed Jul 01 06:00:36 2020
Response via : Initial Calibration

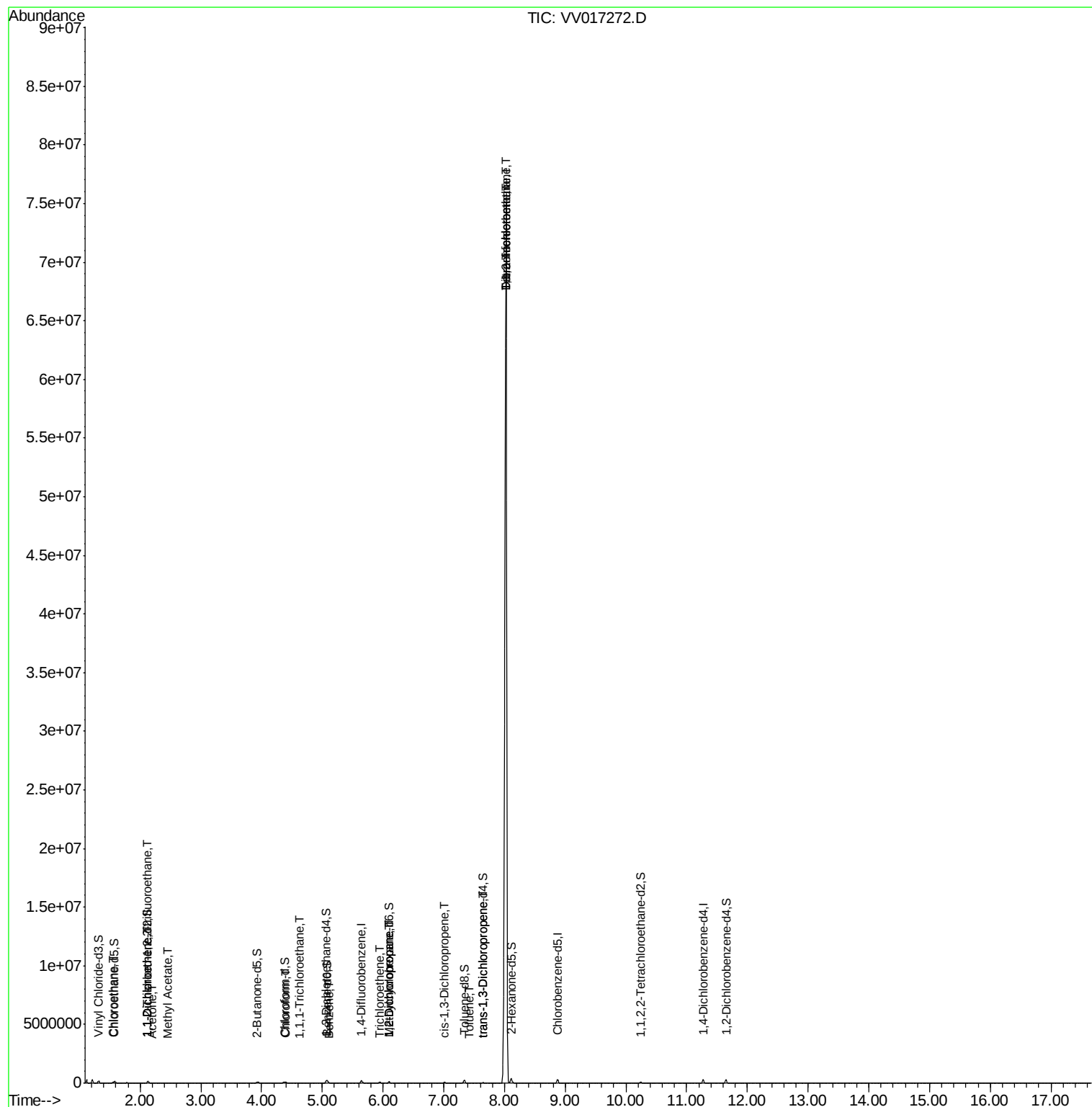
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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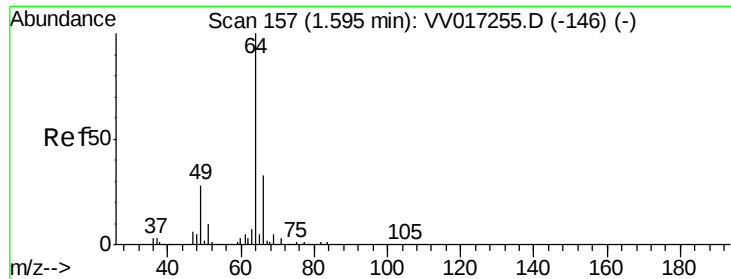
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jul 01 06:00:36 2020
Response via : Initial Calibration





#8

Chloroethane

Concen: 30.210 ug/L

RT: 1.55 min Scan# 144

Delta R.T. -0.04 min

Lab File: VV017272.D

Acq: 30 Jun 2020 19:58

Instrument :

MSVOA_V

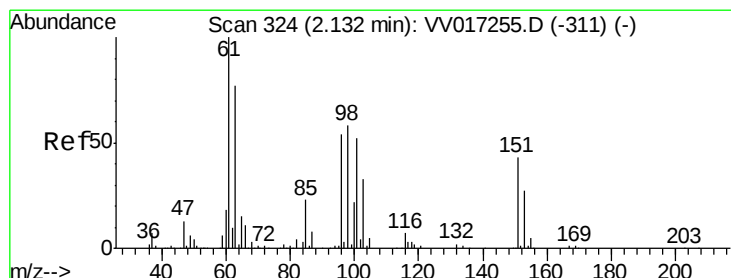
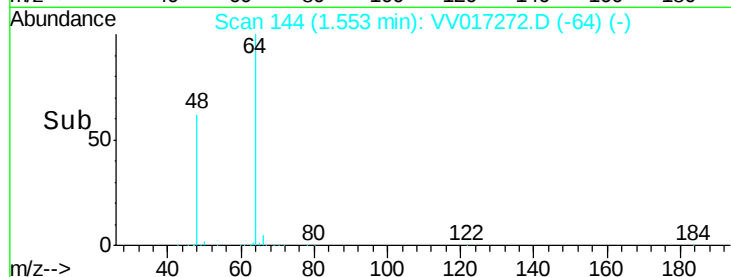
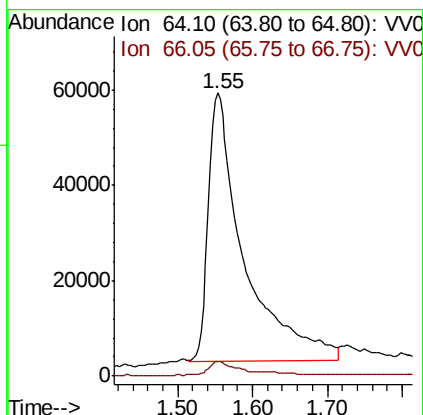
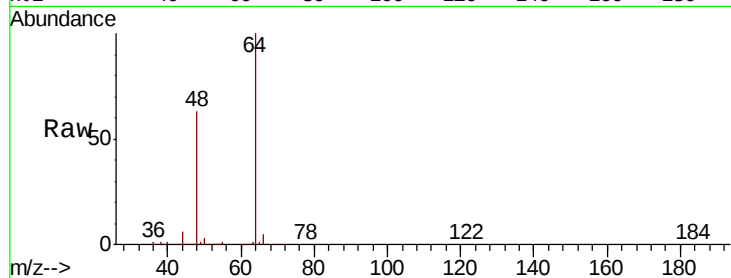
ClientSampleId :

Tot Ion: 64 Resp: 185804

Ion Ratio Lower Upper

64 100

66 5.4 22.8 42.4#



#10

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

Concen: 0.090 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV017272.D

Acq: 30 Jun 2020 19:58

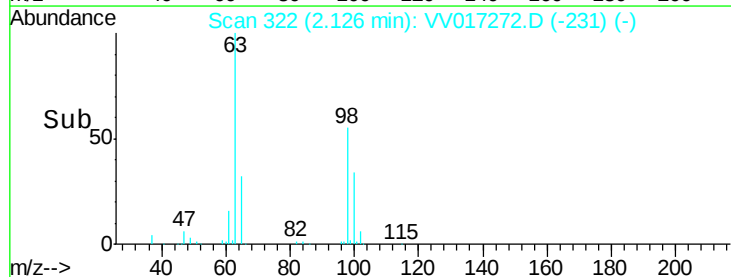
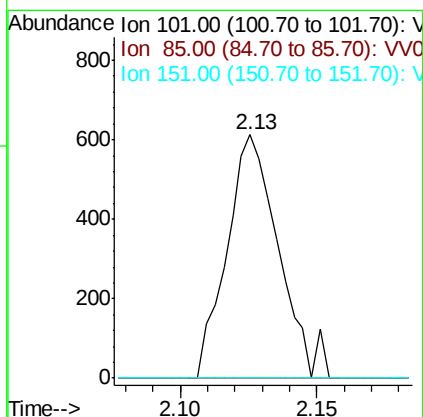
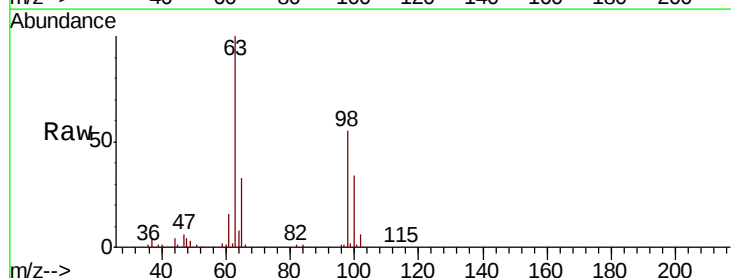
Tgt Ion:101 Resp: 807

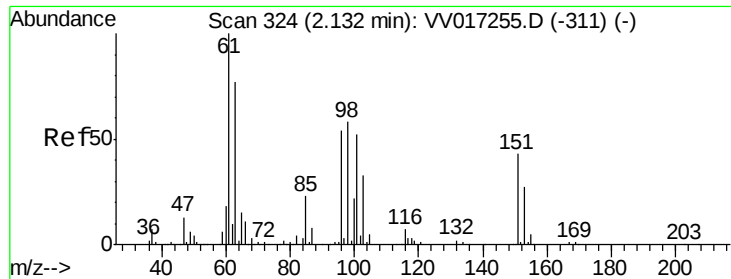
Ion Ratio Lower Upper

101 100

85 0.0 35.4 53.2#

151 11.4 63.9 95.9#





#12

1,1-Dichloroethene

Concen: 0.171 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV017272.D

Acq: 30 Jun 2020 19:58

Instrument :
MSVOA_V
ClientSampled :

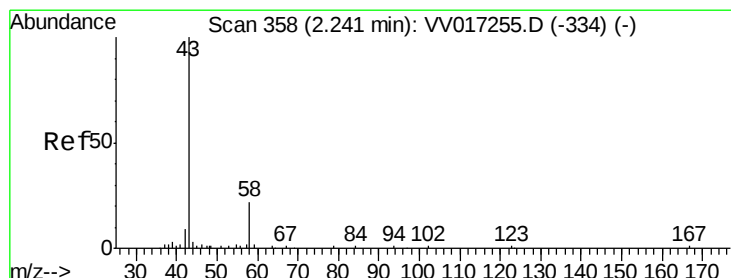
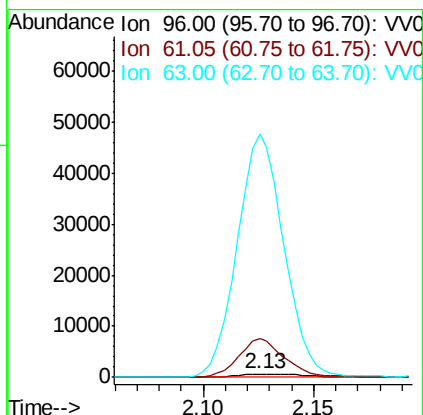
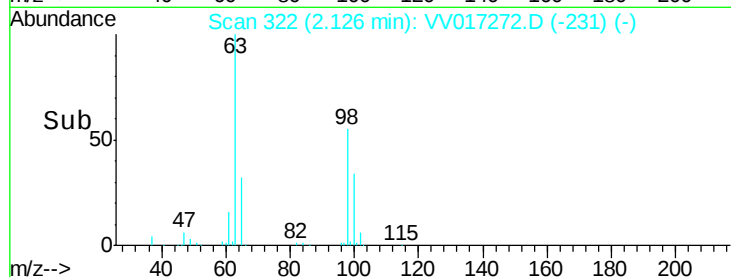
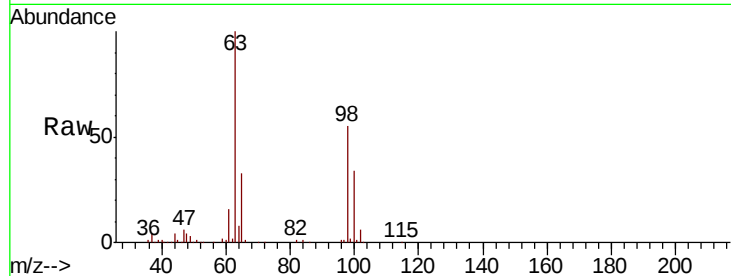
Tot Ion: 96 Resp: 1388

Ion Ratio Lower Upper

96 100

61 1118.1 125.0 232.2#

63 7017.6 109.8 203.8#



#13

Acetone

Concen: 4.905 ug/L

RT: 2.20 min Scan# 345

Delta R.T. -0.04 min

Lab File: VV017272.D

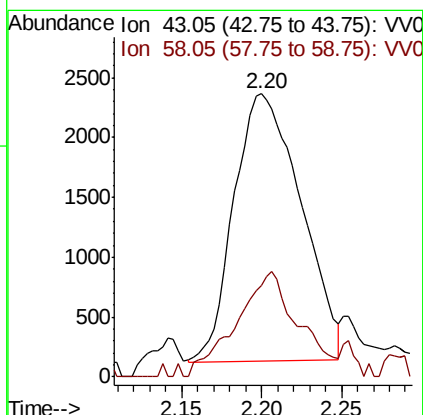
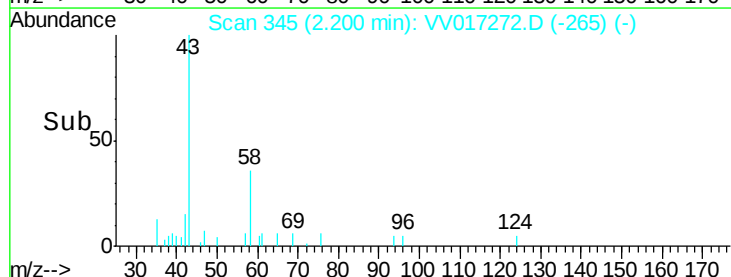
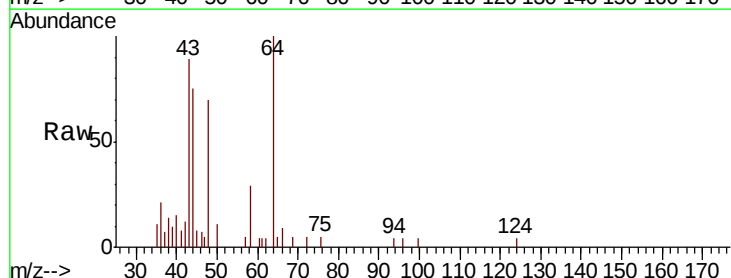
Acq: 30 Jun 2020 19:58

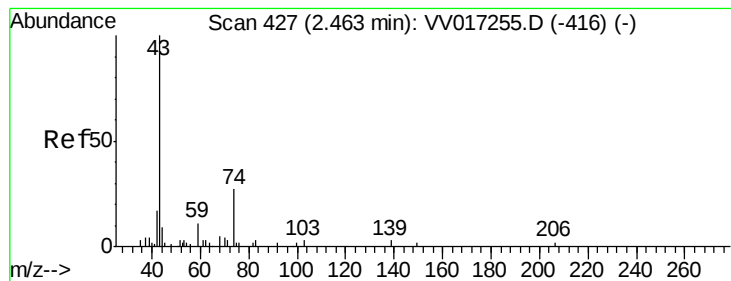
Tgt Ion: 43 Resp: 6433

Ion Ratio Lower Upper

43 100

58 36.8 0.0 58.4





#15

Methvl Acetate

Concen: 1.059 ug/L

RT: 2.46 min Scan# 426

Delta R.T. -0.00 min

Lab File: VV017272.D

Acq: 30 Jun 2020 19:58

Instrument :

MSVOA_V

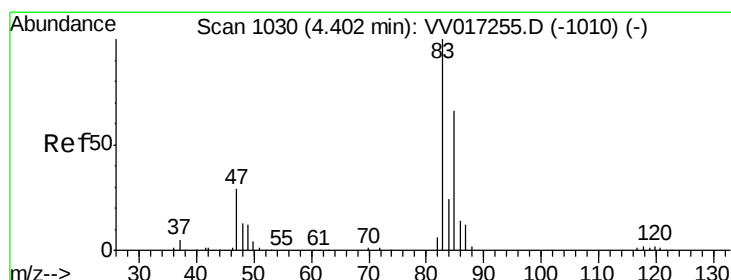
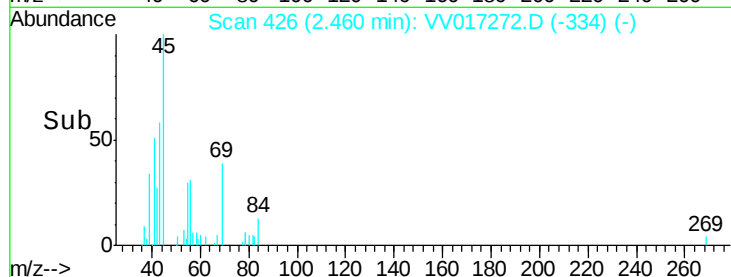
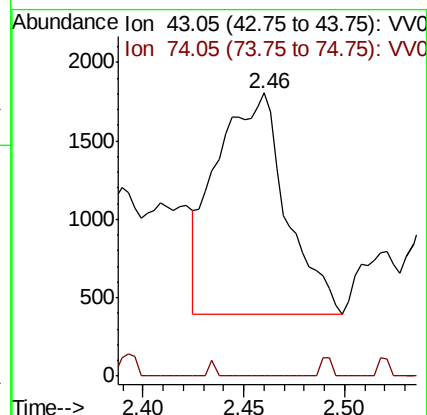
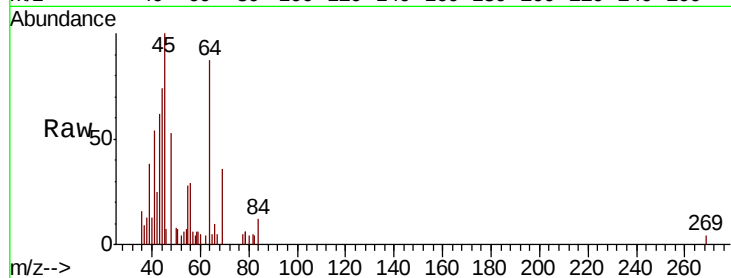
ClientSampled :

Tot Ion: 43 Resp: 3395

Ion Ratio Lower Upper

43 100

74 0.6 19.1 28.7#



#25

Chloroform

Concen: 0.663 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VV017272.D

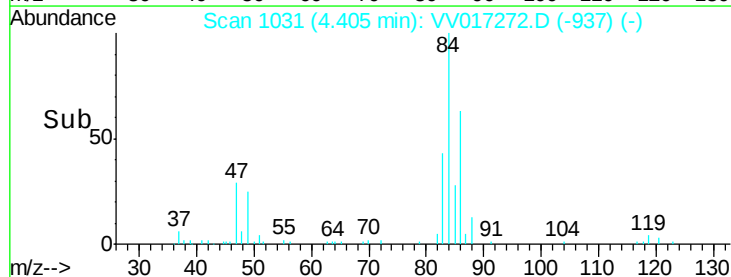
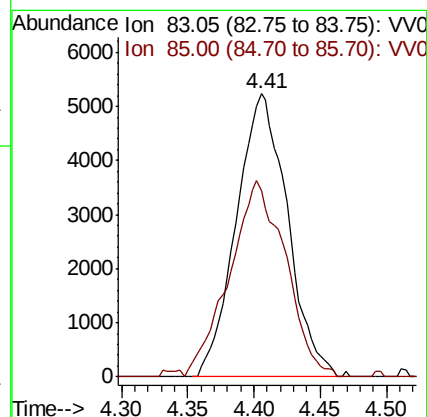
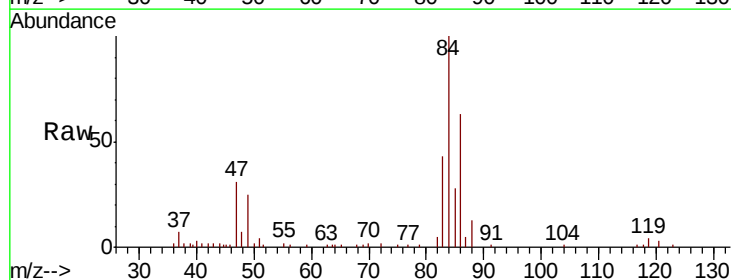
Acq: 30 Jun 2020 19:58

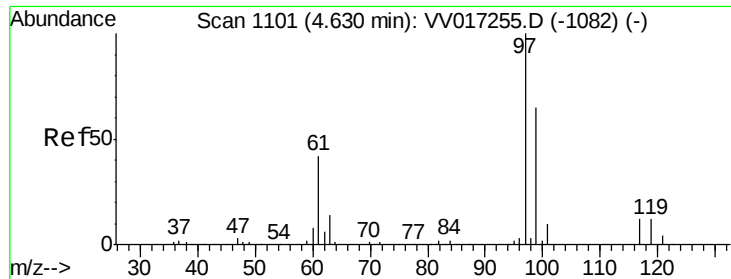
Tgt Ion: 83 Resp: 14031

Ion Ratio Lower Upper

83 100

85 65.9 44.2 82.2

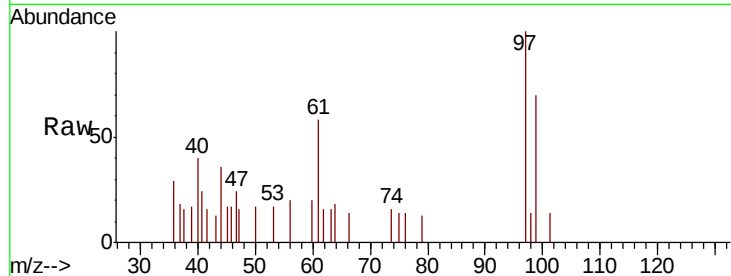




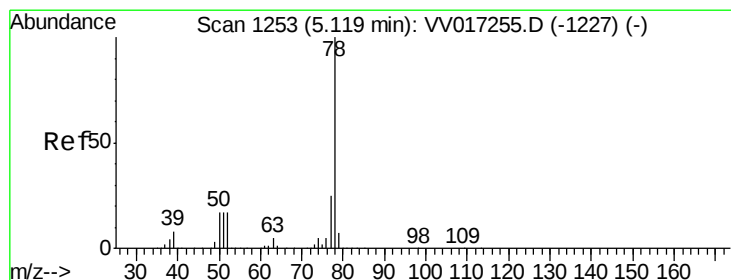
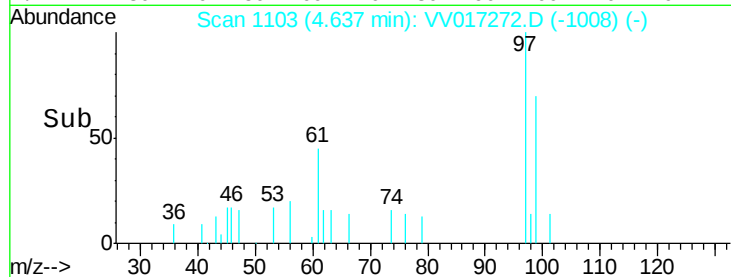
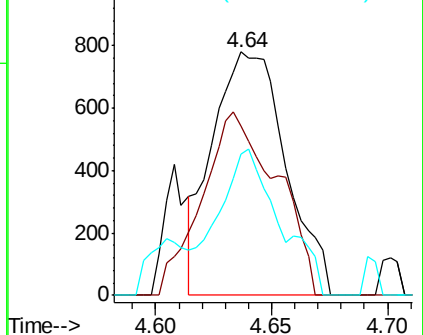
#29
 1,1,1-Trichloroethane
 Concen: 0.087 ug/L
 RT: 4.64 min Scan# 1103
 Delta R.T. 0.01 min
 Lab File: VV017272.D
 Acq: 30 Jun 2020 19:58

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 97 Resp: 1722
 Ion Ratio Lower Upper
 97 100
 99 76.4 50.3 75.5#
 61 50.8 36.0 54.0

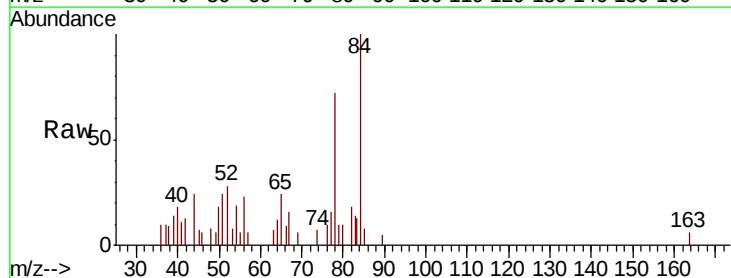


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

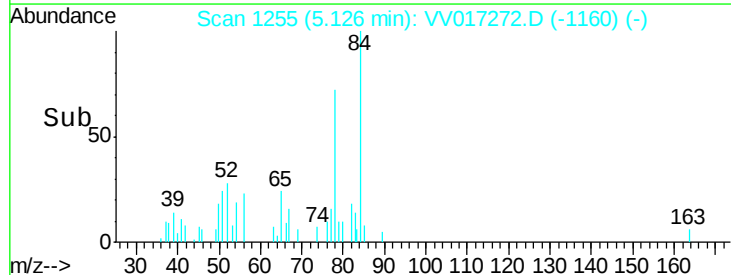
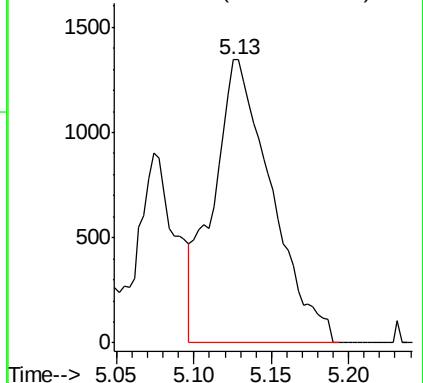


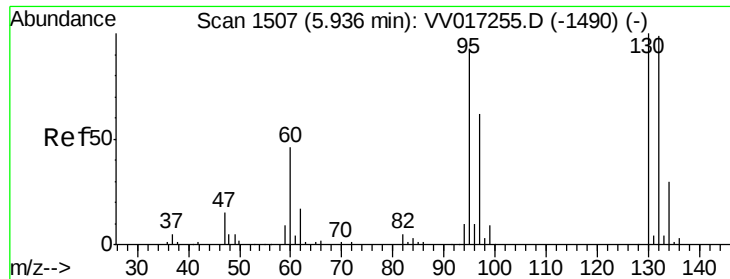
#33
 Benzene
 Concen: 0.082 ug/L
 RT: 5.13 min Scan# 1255
 Delta R.T. 0.01 min
 Lab File: VV017272.D
 Acq: 30 Jun 2020 19:58

Tgt Ion: 78 Resp: 3527



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 2.147 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV017272.D

Acq: 30 Jun 2020 19:58

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 27192

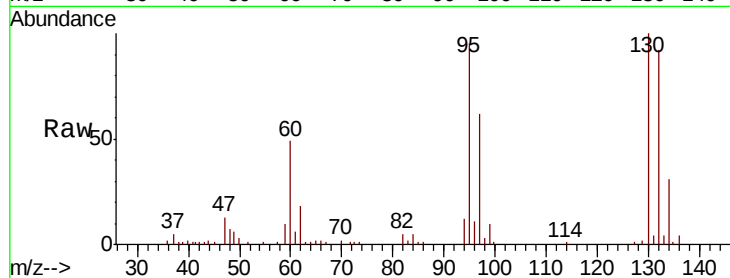
Ion Ratio Lower Upper

95 100

97 64.8 45.3 84.1

132 96.6 68.8 127.8

130 104.9 70.2 130.4

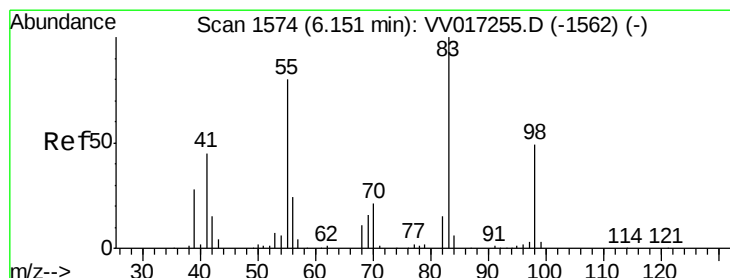
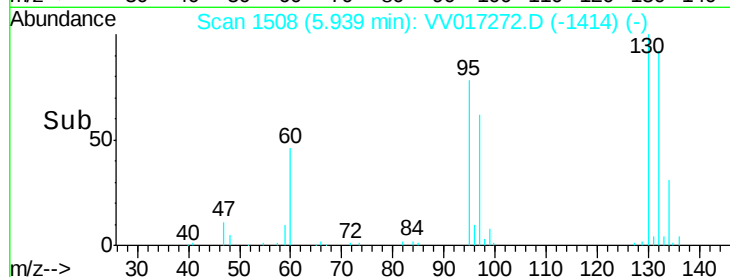
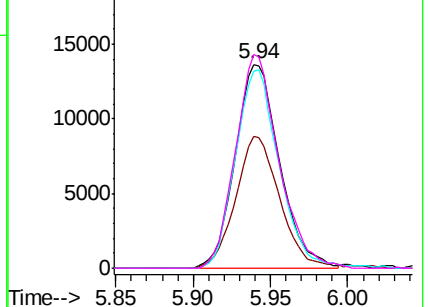


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 0.779 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.06 min

Lab File: VV017272.D

Acq: 30 Jun 2020 19:58

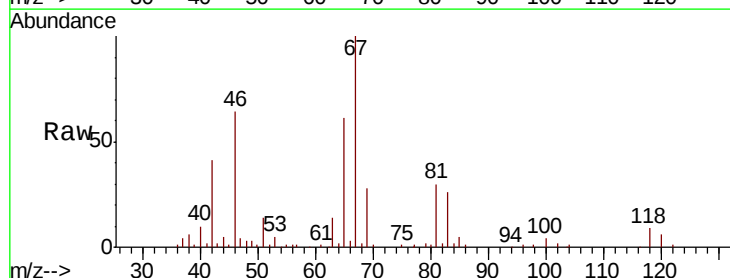
Tgt Ion: 83 Resp: 15338

Ion Ratio Lower Upper

83 100

55 2.0 63.6 95.4#

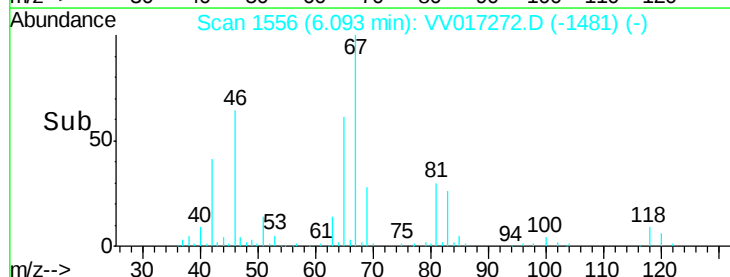
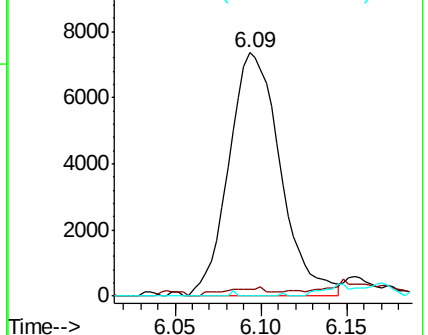
98 0.0 38.8 58.2#

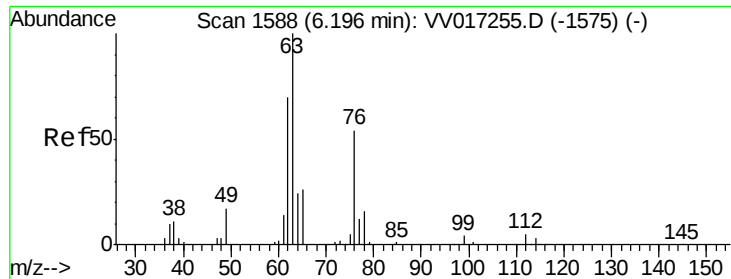


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

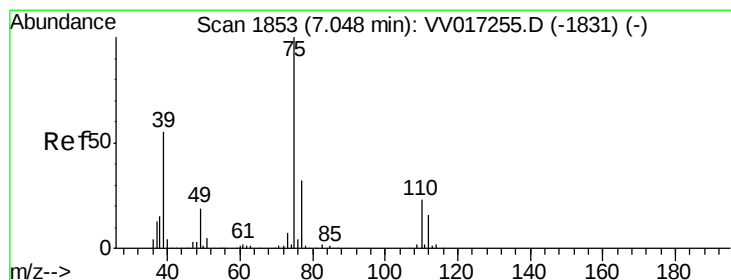
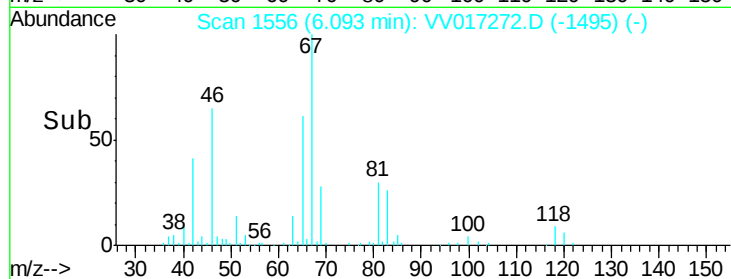
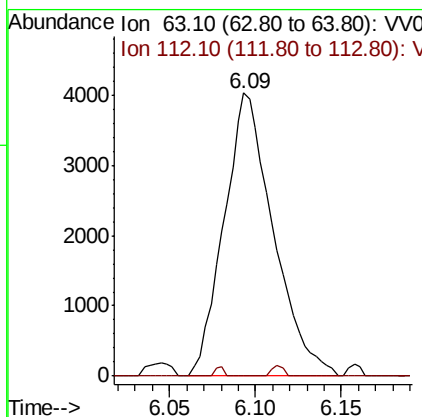
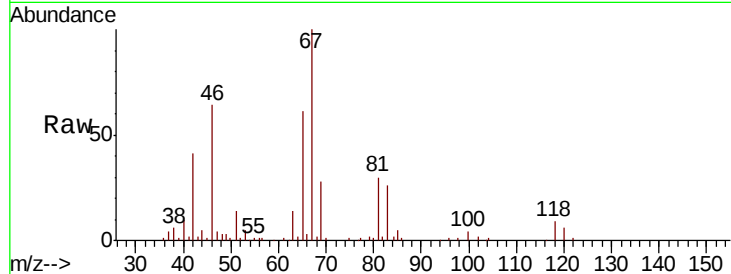




#37
 1,2-Dichloropropane
 Concen: 0.750 ug/L
 RT: 6.09 min Scan# 1556
 Delta R.T. -0.10 min
 Lab File: VV017272.D
 Acq: 30 Jun 2020 19:58

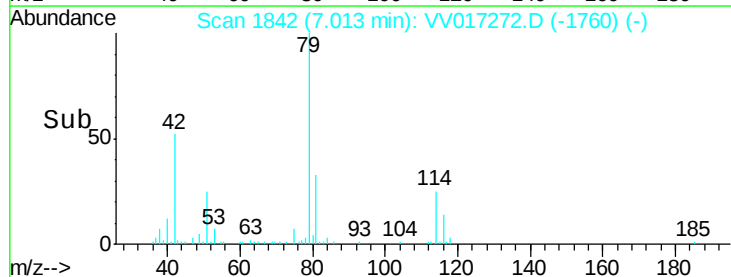
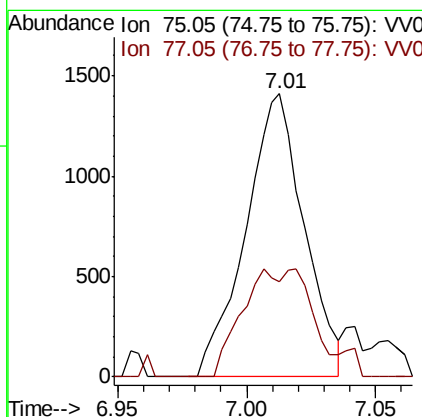
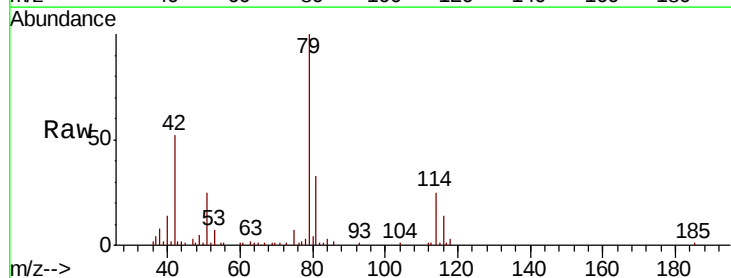
Instrument :
 MSVOA_V
 ClientSampleId :

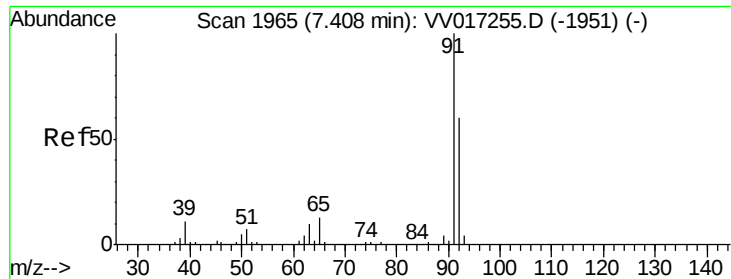
Tot Ion: 63 Resp: 8032
 Ion Ratio Lower Upper
 63 100
 112 0.6 4.4 6.6#



#39
 cis-1,3-Dichloropropene
 Concen: 0.141 ug/L
 RT: 7.01 min Scan# 1842
 Delta R.T. -0.04 min
 Lab File: VV017272.D
 Acq: 30 Jun 2020 19:58

Tgt Ion: 75 Resp: 2238
 Ion Ratio Lower Upper
 75 100
 77 33.5 22.3 41.5





#42

Toluene

Concen: 0.092 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. 0.01 min

Lab File: VV017272.D

Acq: 30 Jun 2020 19:58

Instrument :

MSVOA_V

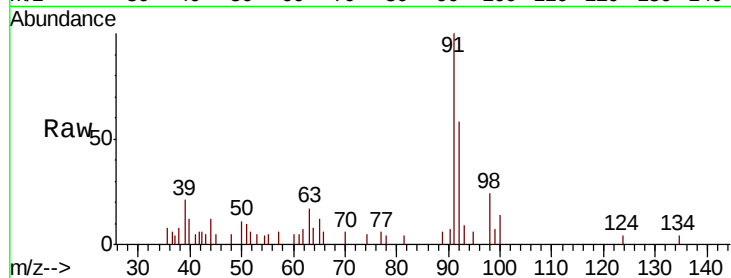
ClientSampled :

Tot Ion: 91 Resp: 4637

Ion Ratio Lower Upper

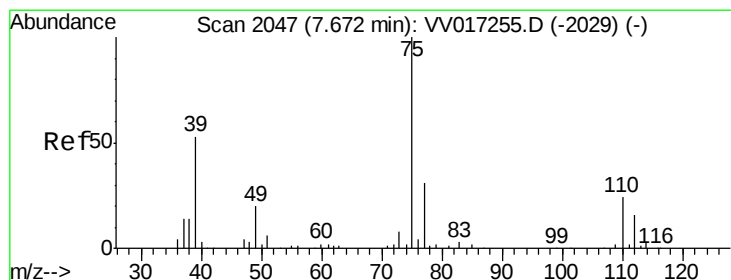
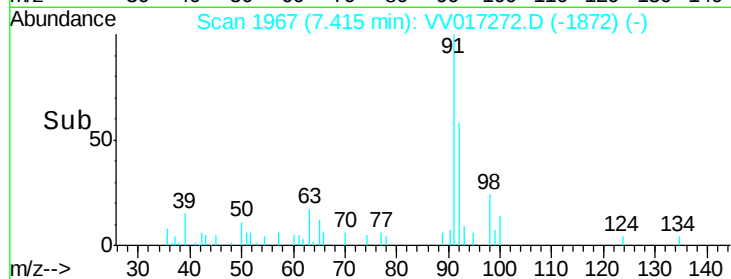
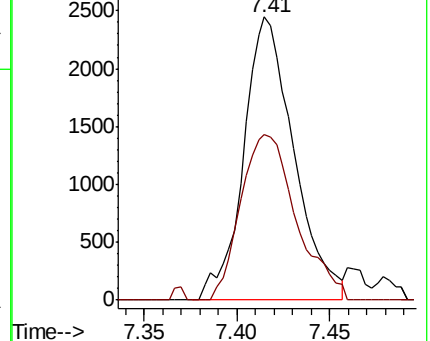
91 100

92 58.4 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#46

trans-1,3-Dichloropropene

Concen: 0.113 ug/L

RT: 7.65 min Scan# 2039

Delta R.T. -0.03 min

Lab File: VV017272.D

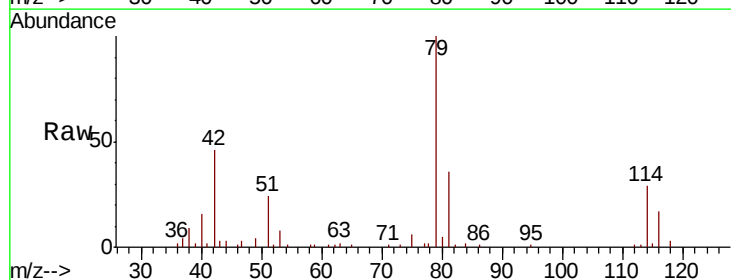
Acq: 30 Jun 2020 19:58

Tgt Ion: 75 Resp: 1561

Ion Ratio Lower Upper

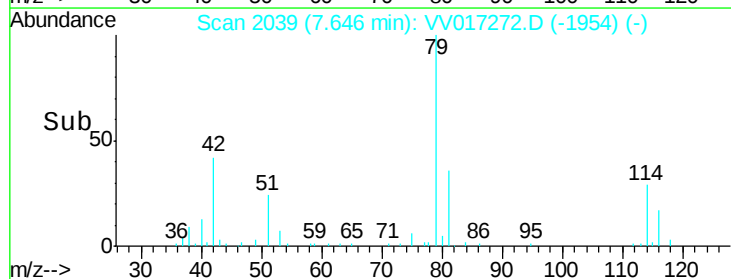
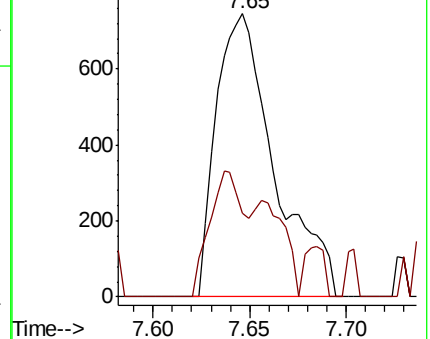
75 100

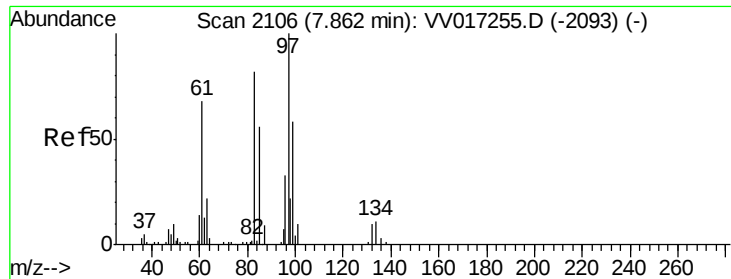
77 29.4 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0





#47

1,1,2-Trichloroethane

Concen: 28.253 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. 0.16 min

Lab File: VV017272.D

Acq: 30 Jun 2020 19:58

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 97 Resp: 214553

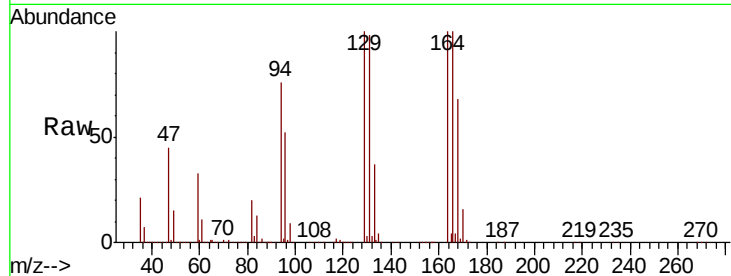
Ion Ratio Lower Upper

97 100

99 15.6 43.6 81.0#

83 220.1 57.4 106.6#

85 31.6 38.8 72.0#

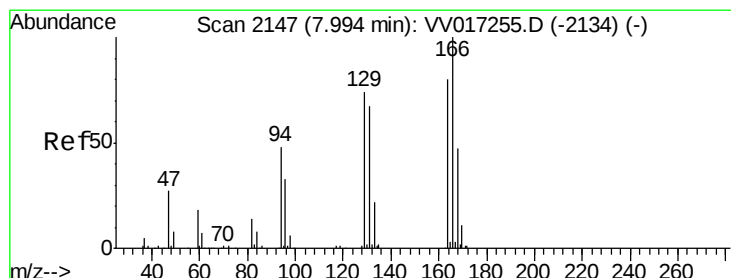
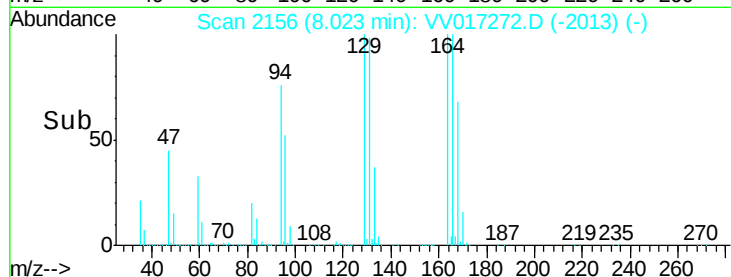
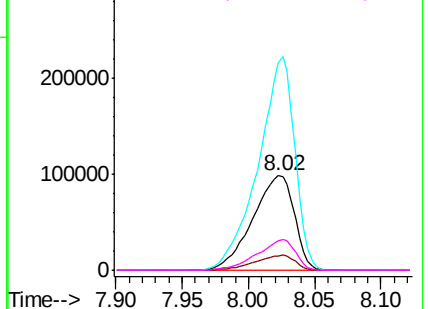


Abundance Ion 96.95 (96.65 to 97.65): VV017272.D (-2054) (-)

Ion 99.05 (98.75 to 99.75): VV017272.D (-2054) (-)

Ion 82.95 (82.65 to 83.65): VV017272.D (-2054) (-)

Ion 85.00 (84.70 to 85.70): VV017272.D (-2054) (-)



#49

Tetrachloroethene

Concen: 1881.324 ug/L

RT: 8.03 min Scan# 2157

Delta R.T. 0.03 min

Lab File: VV017272.D

Acq: 30 Jun 2020 19:58

Tgt Ion: 164 Resp: 19177628

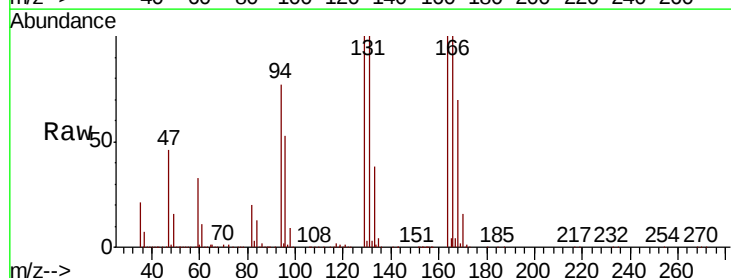
Ion Ratio Lower Upper

164 100

129 100.0 65.2 121.0

131 100.0 64.1 119.1

166 100.0 90.2 167.4

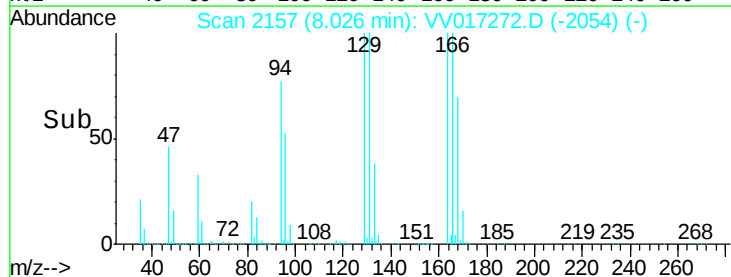
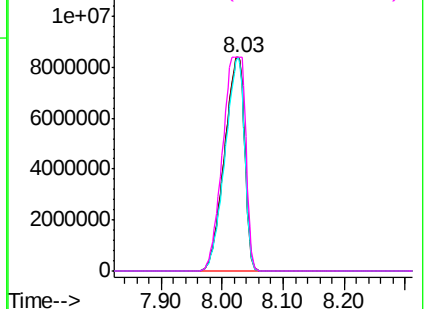


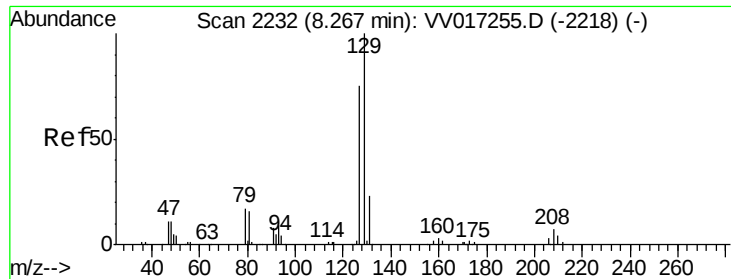
Abundance Ion 163.90 (163.60 to 164.60): VV017272.D (-2054) (-)

Ion 128.95 (128.65 to 129.65): VV017272.D (-2054) (-)

Ion 130.95 (130.65 to 131.65): VV017272.D (-2054) (-)

Ion 165.90 (165.60 to 166.60): VV017272.D (-2054) (-)





#51

Dibromochloromethane

Concen: 2047.794 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. -0.24 min

Lab File: VV017272.D

Acq: 30 Jun 2020 19:58

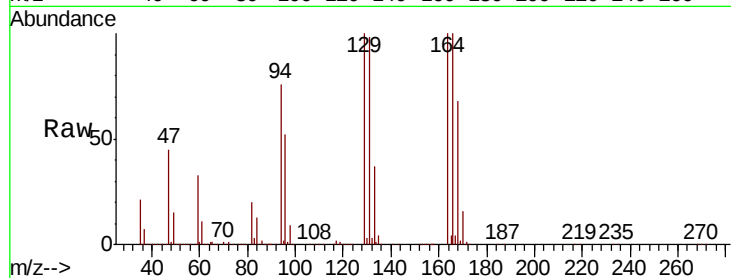
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:129 Resp:18849770

Ion Ratio Lower Upper

129 100

127 0.0 54.1 100.5#



Abundance Ion 128.95 (128.65 to 129.65): V
1e+07 Ion 126.90 (126.60 to 127.60): V

