

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082018\
 Data File : VV007082.D
 Acq On : 20 Aug 2018 20:00
 Operator : SY/MD
 Sample : J4488-16
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0345

Quant Time: Aug 21 05:26:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR080918WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Aug 21 05:25:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	236062	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	223945	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	83767	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	81730	5.36	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	107.20%
7) Chloroethane-d5	1.59	69	73064	5.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	113.00%
11) 1,1-Dichloroethene-d2	2.14	63	4635406	162.10	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	3242.00%#
20) 2-Butanone-d5	3.97	46	214916	49.04	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.08%
24) Chloroform-d	4.40	84	175412	5.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	113.40%
26) 1,2-Dichloroethane-d4	5.09	65	88833	5.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.80%
32) Benzene-d6	5.10	84	345700	6.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	120.20%
36) 1,2-Dichloropropane-d6	6.13	67	114171	5.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	116.20%
41) Toluene-d8	7.37	98	246355	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.60%
43) trans-1,3-Dichloropropene-	7.67	79	22089	3.23	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	64.60%
46) 2-Hexanone-d5	8.15	63	79887	28.55	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	57.10%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	78004	5.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.80%
64) 1,2-Dichlorobenzene-d4	11.68	152	83366	5.72	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	114.40%

Target Compounds

					Ovalue
9) Trichlorofluoromethane	1.77	101	12682	0.436 ug/L	92
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	22058	1.263 ug/L #	29
12) 1,1-Dichloroethene	2.14	96	8768408	517.269 ug/L #	63
13) Acetone	2.21	43	6144	2.723 ug/L	86
15) Methyl Acetate	2.47	43	2414	0.380 ug/L #	82
19) 1,1-Dichloroethane	3.23	63	1264101	38.575 ug/L	98
21) 2-Butanone	4.06	43	1718	0.351 ug/L #	74
25) Chloroform	4.43	83	14825	0.413 ug/L	97
27) 1,2-Dichloroethane	5.19	62	16096	0.720 ug/L	100
29) 1,1,1-Trichloroethane	4.67	97	22278649	746.084 ug/L	95
31) Carbon tetrachloride	4.67	117	3424497	136.749 ug/L	99
34) Trichloroethene	5.96	95	163414	8.784 ug/L	94
35) Methylcyclohexane	6.13	83	26465	0.886 ug/L #	16
37) 1,2-Dichloropropane	6.12	63	12020	0.566 ug/L #	88
47) Tetrachloroethene	8.02	164	15759	1.045 ug/L	97
48) 2-Hexanone	8.20	43	36494	4.511 ug/L #	91
49) Dibromochloromethane	8.03	129	15237	1.051 ug/L #	11

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Response via : Initial Calibration

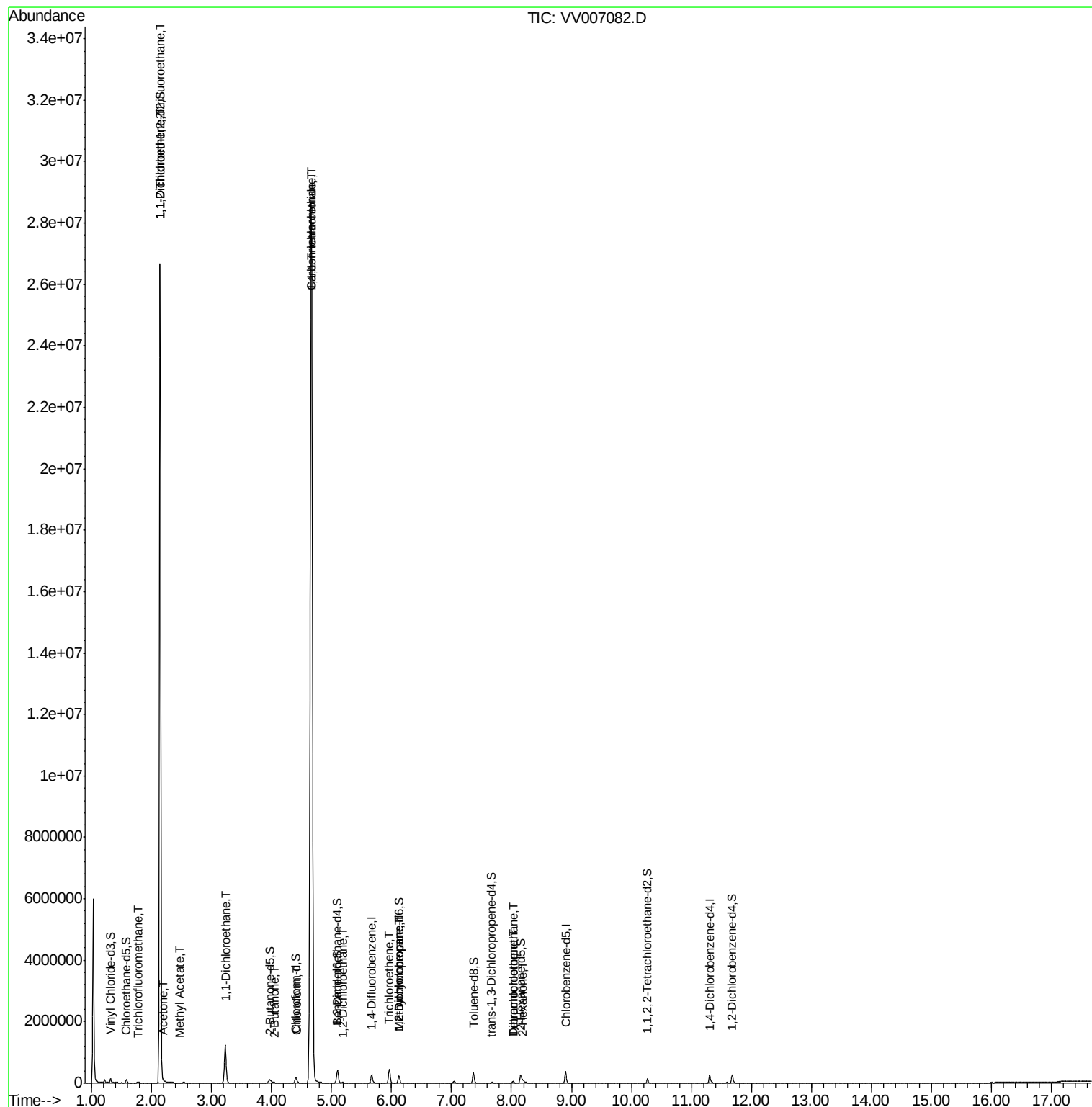
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

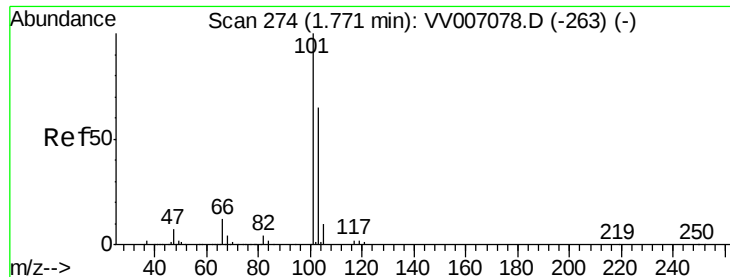
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#9

Trichlorofluoromethane

Concen: 0.436 ug/L

RT: 1.77 min Scan# 274

Delta R.T. 0.00 min

Lab File: VV007082.D

Acq: 20 Aug 2018 20:00

Instrument :

MSVOA_V

ClientSampled :

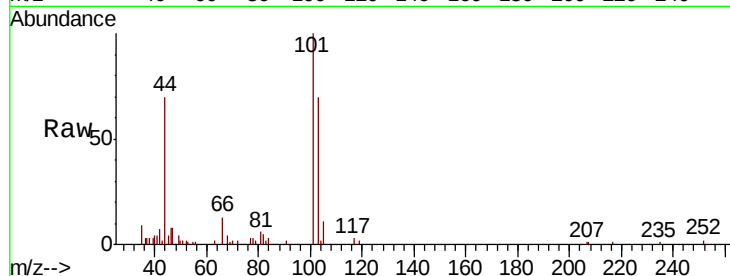
C0345

Tot Ion:101 Resp: 12682

Ion Ratio Lower Upper

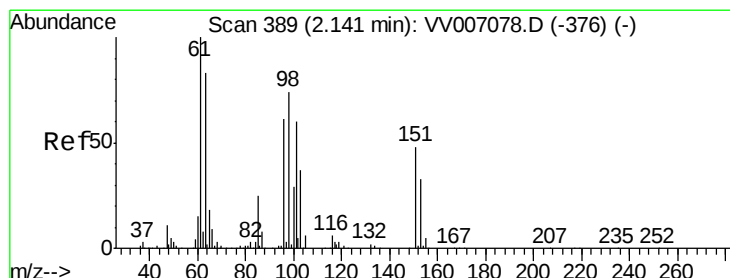
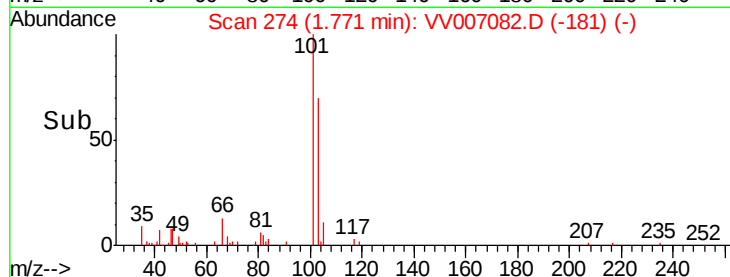
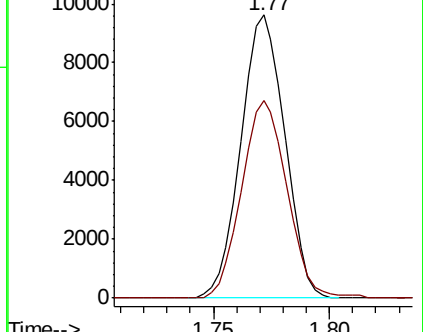
101 100

103 72.3 52.7 79.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#10

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

Concen: 1.263 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV007082.D

Acq: 20 Aug 2018 20:00

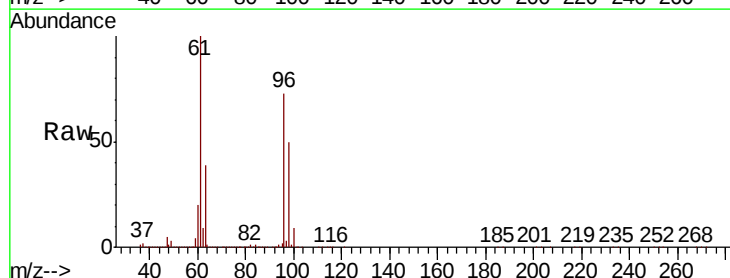
Tgt Ion:101 Resp: 22058

Ion Ratio Lower Upper

101 100

85 20.9 33.9 50.9#

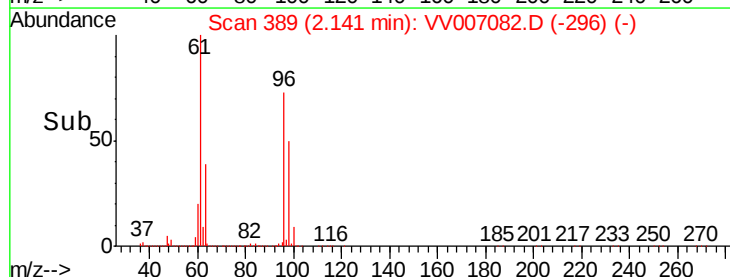
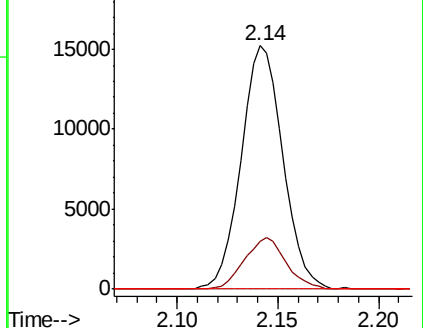
151 0.0 64.1 96.1#

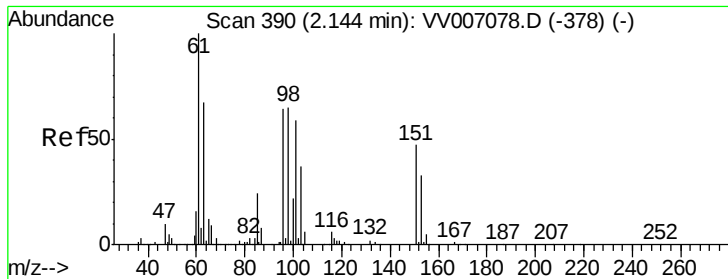


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V





#12

1,1-Dichloroethene

Concen: 517.269 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV007082.D

Acq: 20 Aug 2018 20:00

Instrument :

MSVOA_V

ClientSampleId :

C0345

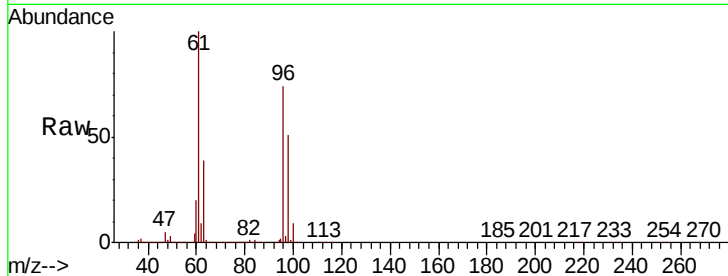
Tot Ion: 96 Resp: 8768408

Ion Ratio Lower Upper

96 100

61 135.0 111.6 207.4

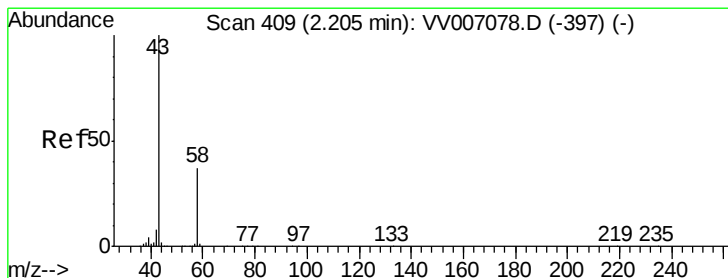
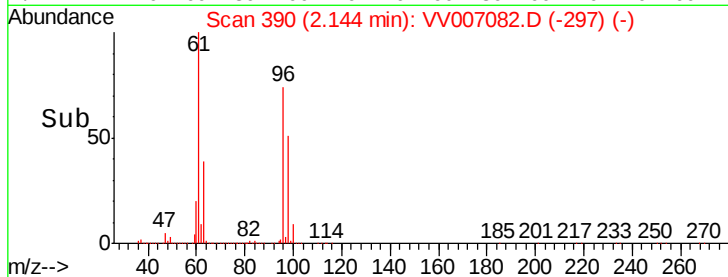
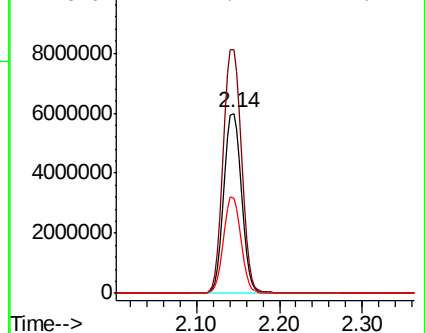
63 53.1 84.9 157.7#



Abundance Ion 96.00 (95.70 to 96.70): VV007078.D (-378) (-)

Ion 61.05 (60.75 to 61.75): VV007078.D (-378) (-)

Ion 63.00 (62.70 to 63.70): VV007078.D (-378) (-)



#13

Acetone

Concen: 2.723 ug/L

RT: 2.21 min Scan# 410

Delta R.T. 0.00 min

Lab File: VV007082.D

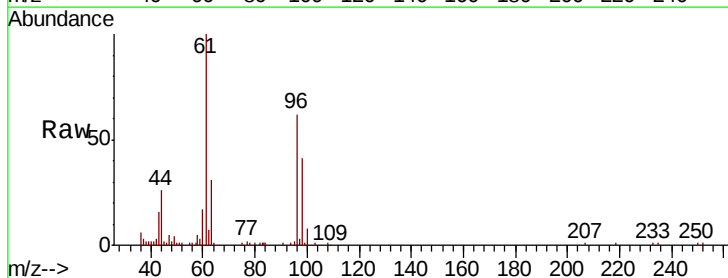
Acq: 20 Aug 2018 20:00

Tgt Ion: 43 Resp: 6144

Ion Ratio Lower Upper

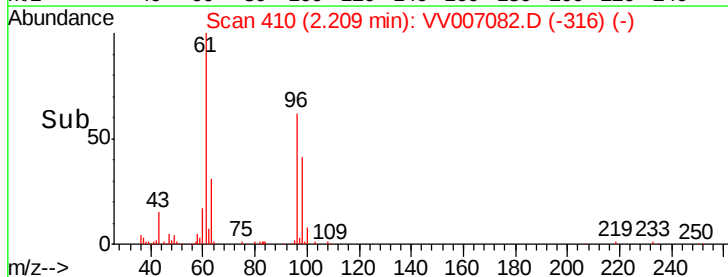
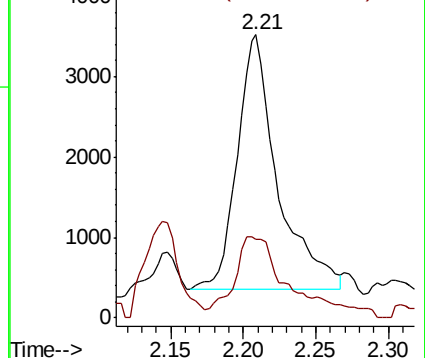
43 100

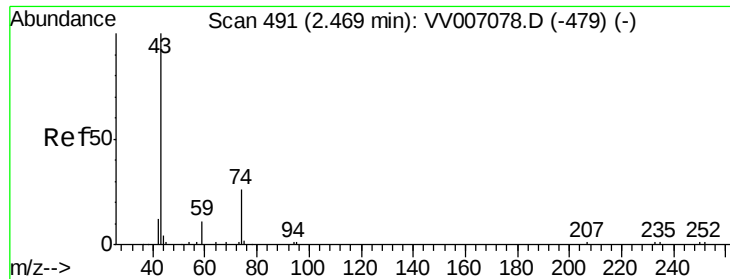
58 43.8 0.0 71.4



Abundance Ion 43.05 (42.75 to 43.75): VV007078.D (-397) (-)

Ion 58.05 (57.75 to 58.75): VV007078.D (-397) (-)

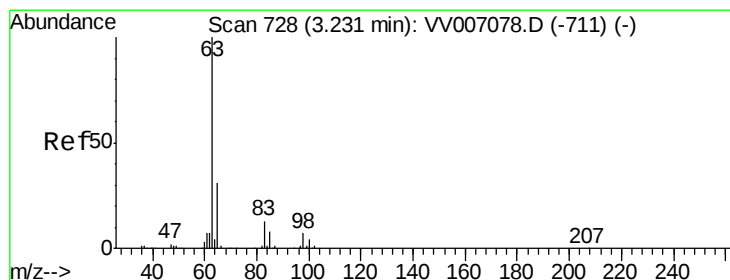
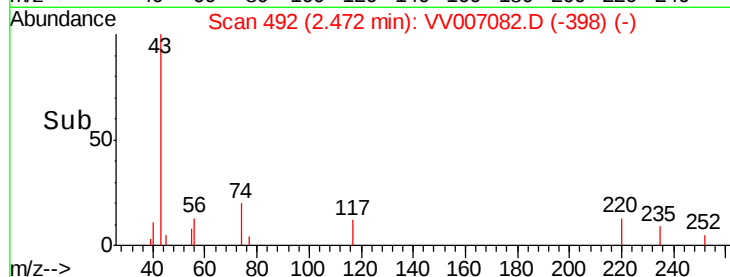
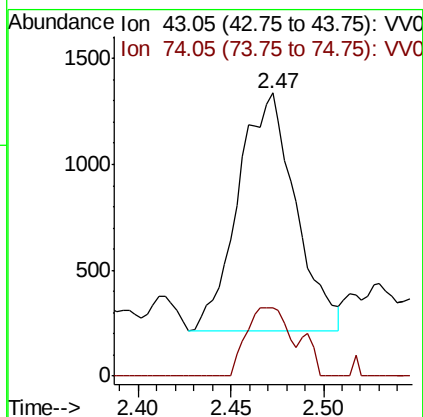
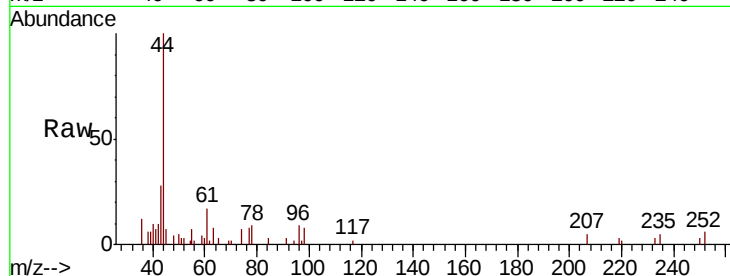




#15
Methvl Acetate
Concen: 0.380 ug/L
RT: 2.47 min Scan# 492
Delta R.T. 0.00 min
Lab File: VV007082.D
Acq: 20 Aug 2018 20:00

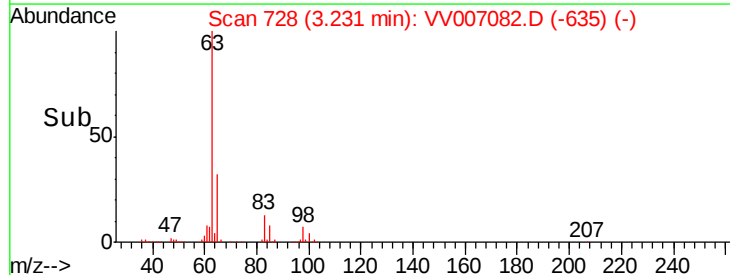
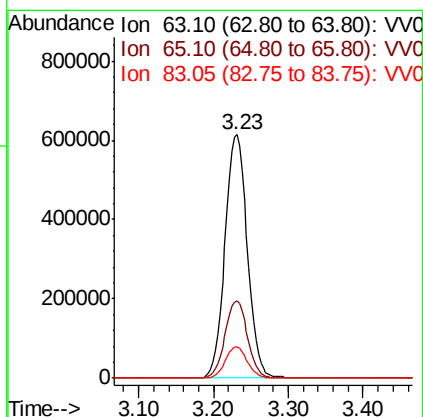
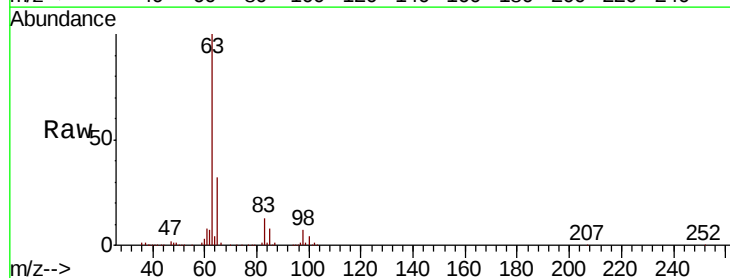
Instrument :
MSVOA_V
ClientSampled :
C0345

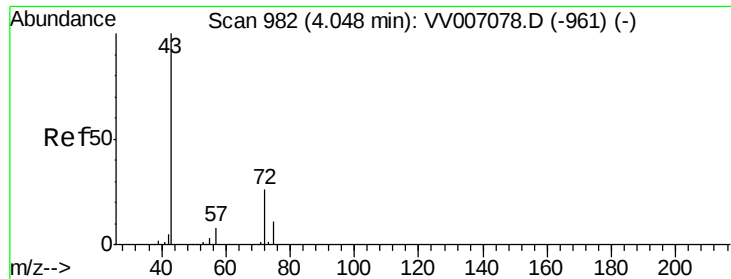
Tot Ion: 43 Resp: 2414
Ion Ratio Lower Upper
43 100
74 20.9 24.6 37.0#



#19
1,1-Dichloroethane
Concen: 38.575 ug/L
RT: 3.23 min Scan# 728
Delta R.T. 0.00 min
Lab File: VV007082.D
Acq: 20 Aug 2018 20:00

Tgt Ion: 63 Resp: 1264101
Ion Ratio Lower Upper
63 100
65 31.6 21.7 40.3
83 13.0 10.0 18.6





#21

2-Butanone

Concen: 0.351 ug/L

RT: 4.06 min Scan# 985

Delta R.T. 0.01 min

Lab File: VV007082.D

Acq: 20 Aug 2018 20:00

Instrument :

MSVOA_V

ClientSampleId :

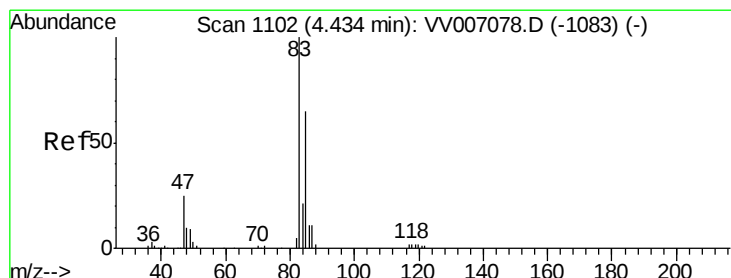
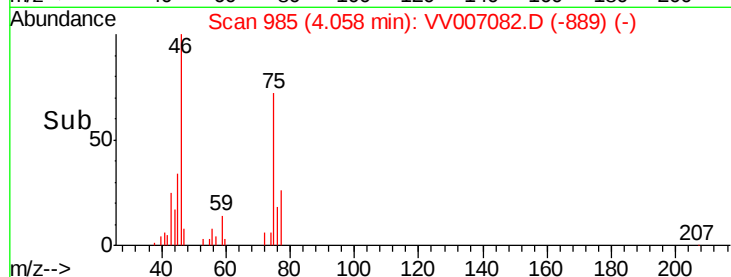
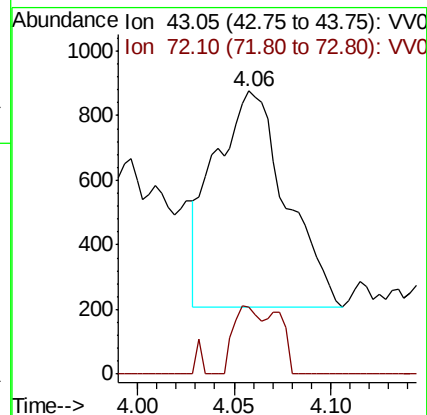
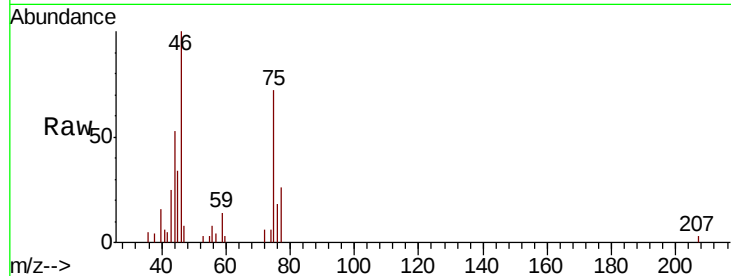
C0345

Tot Ion: 43 Resp: 1718

Ion Ratio Lower Upper

43 100

72 11.8 12.4 37.2#



#25

Chloroform

Concen: 0.413 ug/L

RT: 4.43 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV007082.D

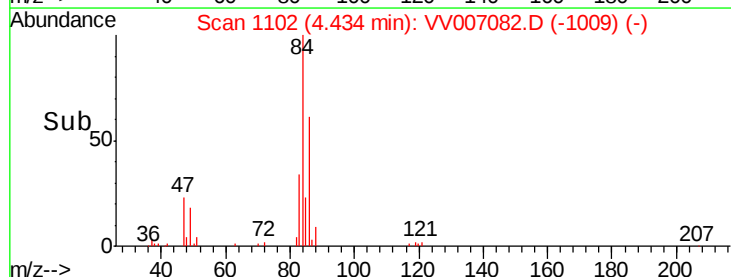
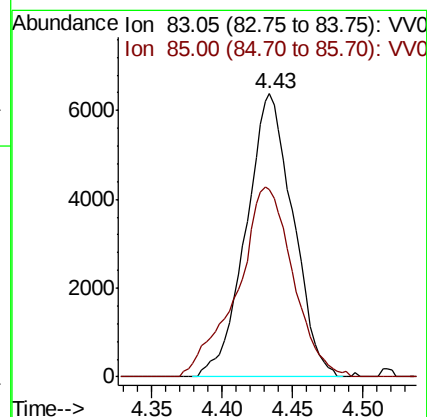
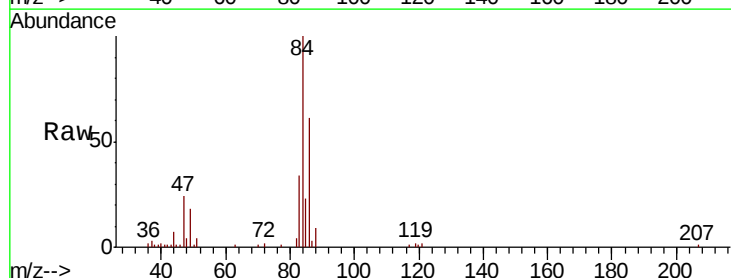
Acq: 20 Aug 2018 20:00

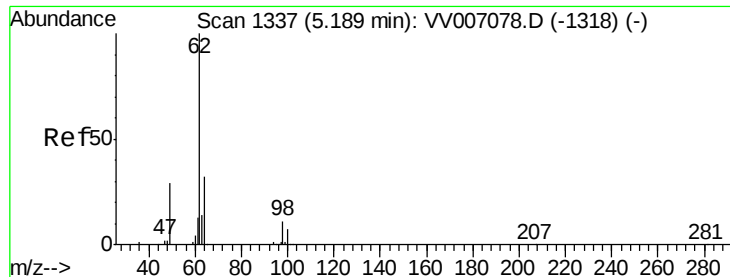
Tgt Ion: 83 Resp: 14825

Ion Ratio Lower Upper

83 100

85 66.2 44.7 82.9





#27

1,2-Dichloroethane

Concen: 0.720 ug/L

RT: 5.19 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VV007082.D

Acq: 20 Aug 2018 20:00

Instrument :

MSVOA_V

ClientSampleId :

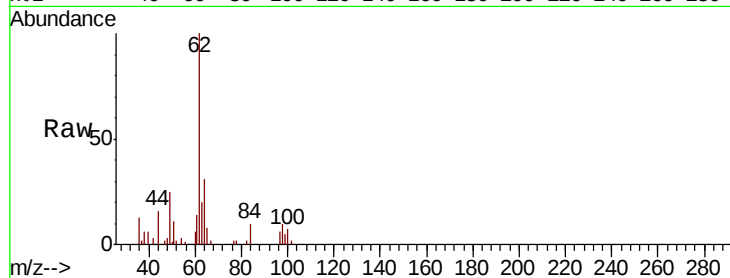
C0345

Tot Ion: 62 Resp: 16096

Ion Ratio Lower Upper

62 100

98 9.7 7.6 11.4



Abundance Ion 62.00 (61.70 to 62.70): VV007078.D (-1318) (-)

Ion 98.05 (97.75 to 98.75): VV007078.D (-1318) (-)

5.19

8000

6000

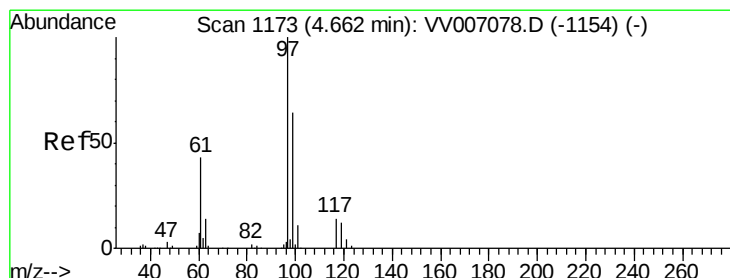
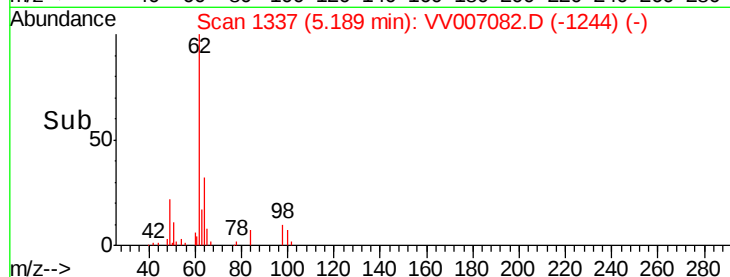
4000

2000

0

Time-->

5.10 5.15 5.20 5.25



#29

1,1,1-Trichloroethane

Concen: 746.084 ug/L

RT: 4.67 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VV007082.D

Acq: 20 Aug 2018 20:00

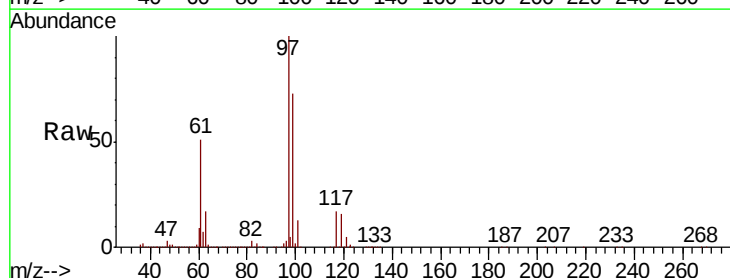
Tgt Ion: 97 Resp: 22278649

Ion Ratio Lower Upper

97 100

99 69.3 51.0 76.6

61 47.7 36.6 54.8



Abundance Ion 96.95 (96.65 to 97.65): VV007078.D (-1154) (-)

Ion 99.05 (98.75 to 99.75): VV007078.D (-1154) (-)

Ion 61.05 (60.75 to 61.75): VV007078.D (-1154) (-)

4.67

1e+07

8000000

6000000

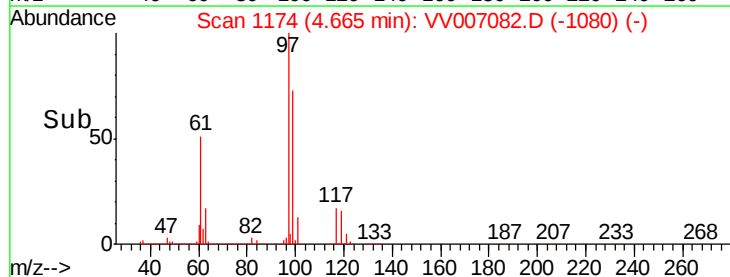
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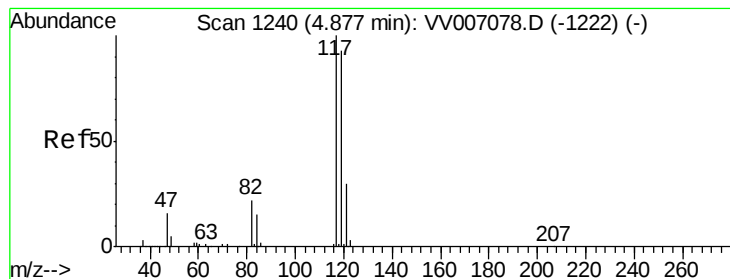
2000000

0

Time-->

4.60 4.80





#31

Carbon tetrachloride

Concen: 136.749 ug/L

RT: 4.67 min Scan# 1174

Delta R.T. -0.21 min

Lab File: VV007082.D

Acq: 20 Aug 2018 20:00

Instrument :

MSVOA_V

ClientSampleId :

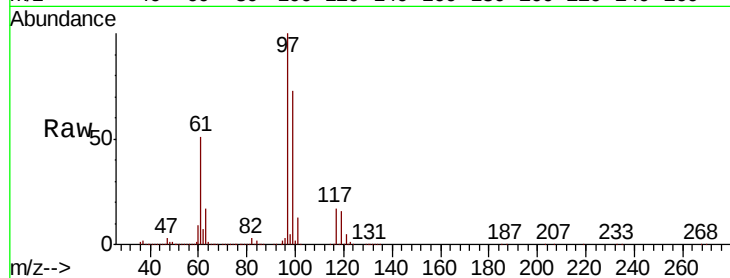
C0345

Tot Ion:117 Resp: 3424497

Ion Ratio Lower Upper

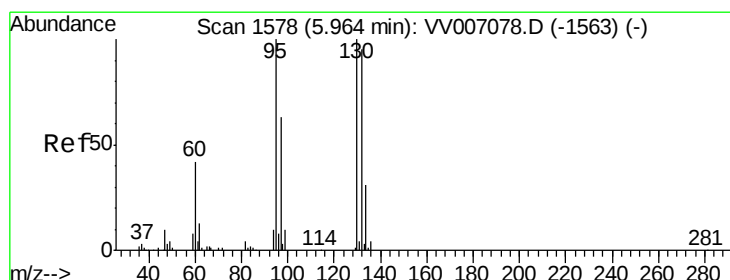
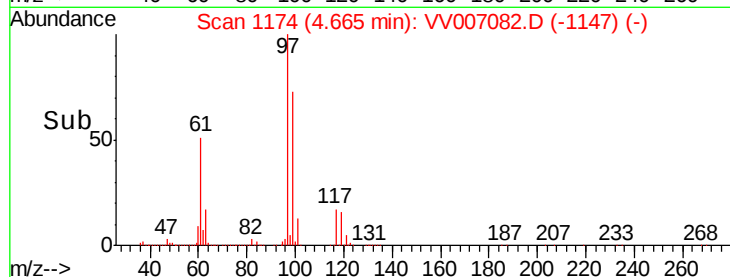
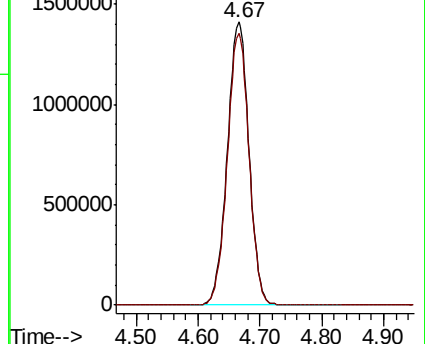
117 100

119 96.4 76.2 114.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#34

Trichloroethene

Concen: 8.784 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV007082.D

Acq: 20 Aug 2018 20:00

Tgt Ion: 95 Resp: 163414

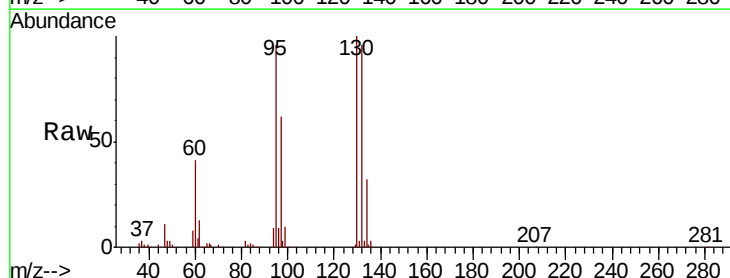
Ion Ratio Lower Upper

95 100

97 65.0 44.8 83.2

132 100.1 65.5 121.6

130 104.2 66.4 123.4

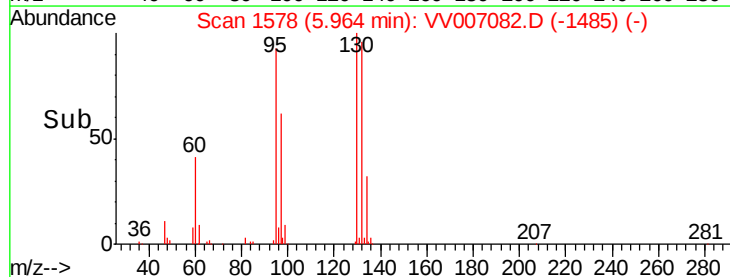
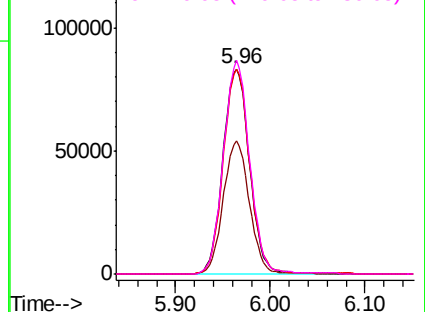


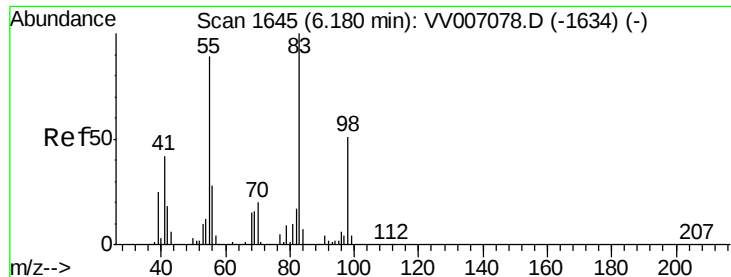
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

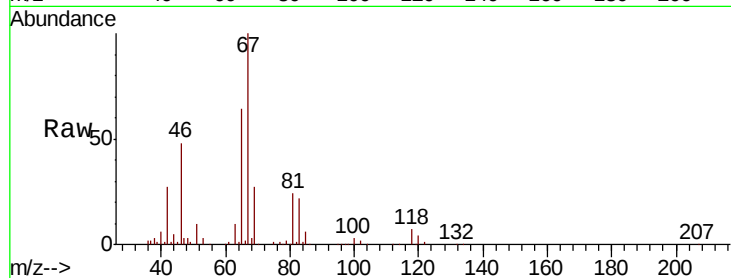




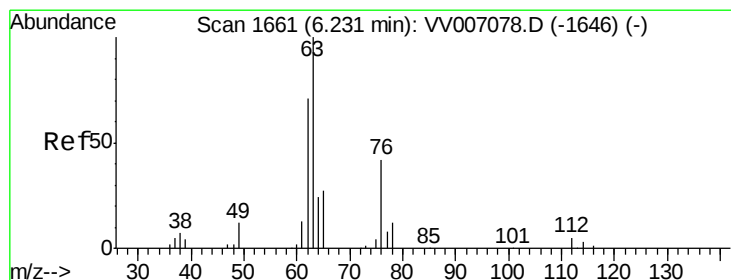
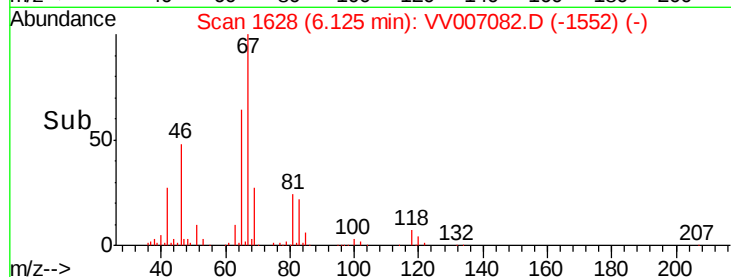
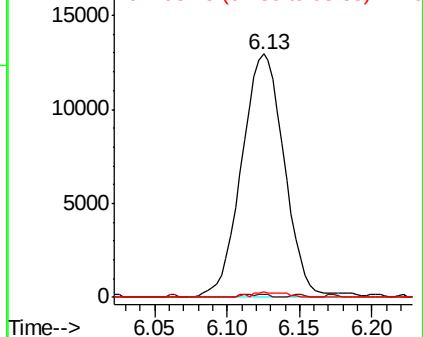
#35
Methvlcvclohexane
Concen: 0.886 ug/L
RT: 6.13 min Scan# 1628
Delta R.T. -0.05 min
Lab File: VV007082.D
Acq: 20 Aug 2018 20:00

Instrument :
MSVOA_V
ClientSampleId :
C0345

Tot Ion: 83 Resp: 26465
Ion Ratio Lower Upper
83 100
55 0.4 68.1 102.1#
98 0.9 37.9 56.9#

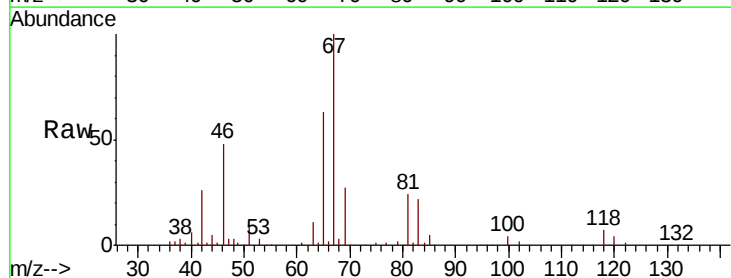


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

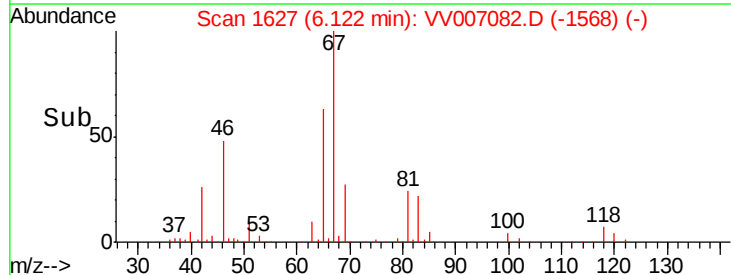
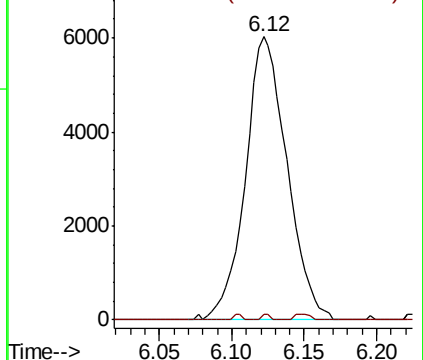


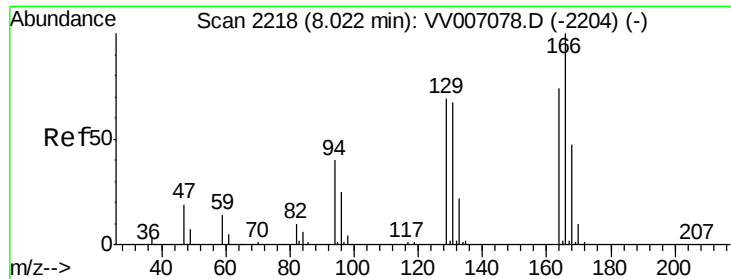
#37
1,2-Dichloropropane
Concen: 0.566 ug/L
RT: 6.12 min Scan# 1627
Delta R.T. -0.11 min
Lab File: VV007082.D
Acq: 20 Aug 2018 20:00

Tgt Ion: 63 Resp: 12020
Ion Ratio Lower Upper
63 100
112 0.4 3.5 5.3#



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 112.10 (111.80 to 112.80): V

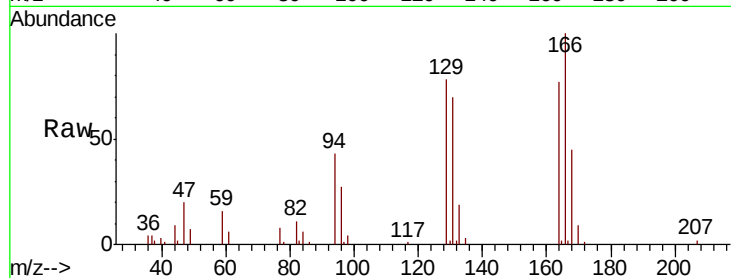




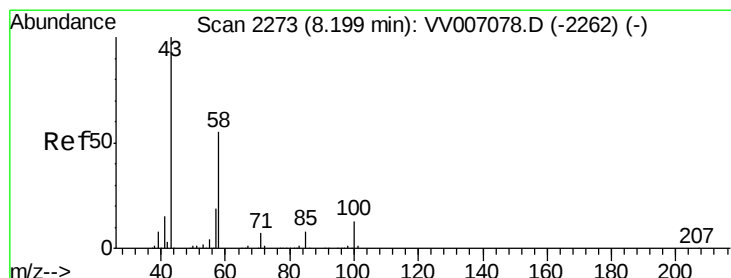
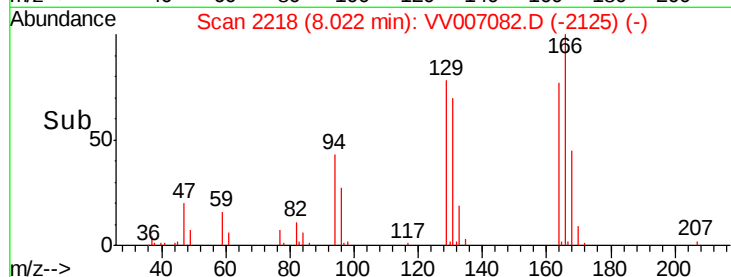
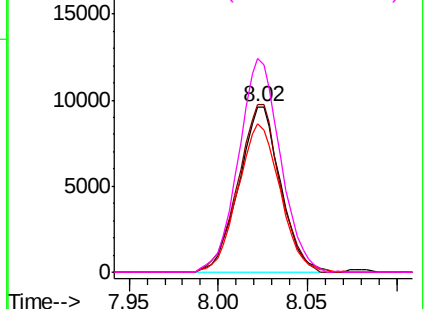
#47
Tetrachloroethene
Concen: 1.045 ug/L
RT: 8.02 min Scan# 2218
Delta R.T. 0.00 min
Lab File: VV007082.D
Acq: 20 Aug 2018 20:00

Instrument :
MSVOA_V
ClientSampleId :
C0345

Tot Ion:164 Resp: 15759
Ion Ratio Lower Upper
164 100
129 101.1 65.9 122.3
131 90.0 64.2 119.2
166 129.1 89.4 166.0

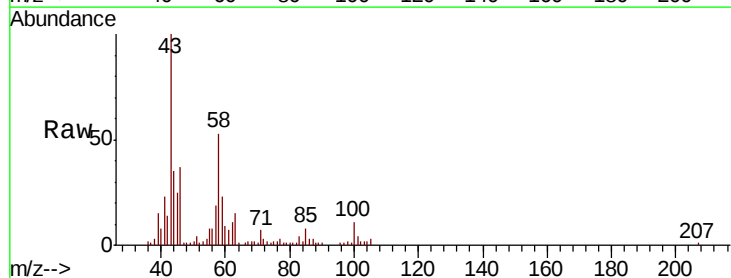


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

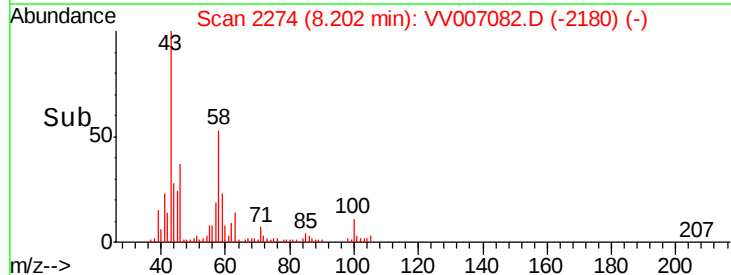
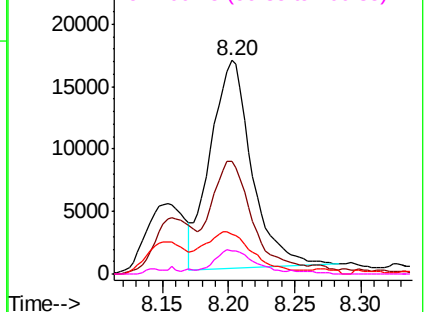


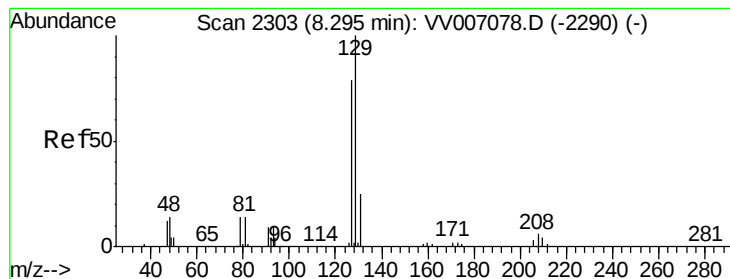
#48
2-Hexanone
Concen: 4.511 ug/L
RT: 8.20 min Scan# 2274
Delta R.T. 0.00 min
Lab File: VV007082.D
Acq: 20 Aug 2018 20:00

Tgt Ion: 43 Resp: 36494
Ion Ratio Lower Upper
43 100
58 48.7 44.2 66.2
57 24.4 14.8 22.2#
100 12.8 8.8 13.2



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





#49

Dibromochloromethane

Concen: 1.051 ug/L

RT: 8.03 min Scan# 2219

Delta R.T. -0.27 min

Lab File: VV007082.D

Acq: 20 Aug 2018 20:00

Instrument :

MSVOA_V

ClientSampleId :

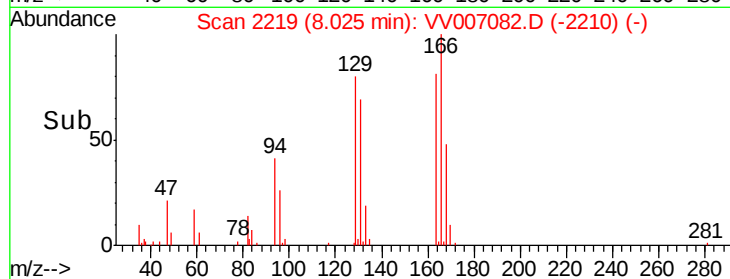
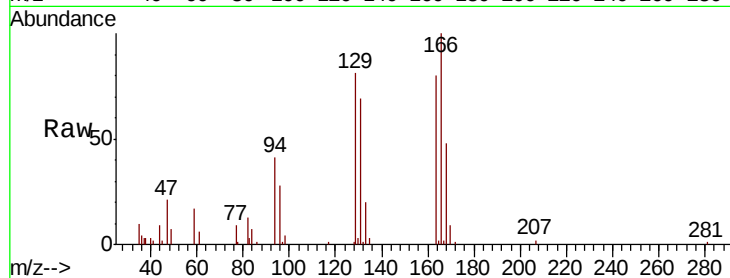
C0345

Tot Ion:129 Resp: 15237

Ion Ratio Lower Upper

129 100

127 0.0 53.3 98.9#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

