

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082018\
 Data File : VV007081.D
 Acq On : 20 Aug 2018 19:33
 Operator : SY/MD
 Sample : J4488-15
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0320

Quant Time: Aug 21 05:26:08 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	236668	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	226853	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	86495	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	80295	5.26	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	105.20%
7) Chloroethane-d5	1.58	69	72112	5.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	111.20%
11) 1,1-Dichloroethene-d2	2.14	63	1957602	68.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	1365.60%#
20) 2-Butanone-d5	3.97	46	210778	47.98	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.96%
24) Chloroform-d	4.41	84	172111	5.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.00%
26) 1,2-Dichloroethane-d4	5.09	65	87240	5.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.40%
32) Benzene-d6	5.10	84	334108	5.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	114.60%
36) 1,2-Dichloropropane-d6	6.12	67	109926	5.52	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	110.40%
41) Toluene-d8	7.37	98	242054	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.60%
43) trans-1,3-Dichloropropene-	7.67	79	22376	3.23	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	64.60%
46) 2-Hexanone-d5	8.15	63	77942	27.50	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	55.00%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	77401	4.98	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.60%
64) 1,2-Dichlorobenzene-d4	11.68	152	84533	5.62	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	112.40%

Target Compounds

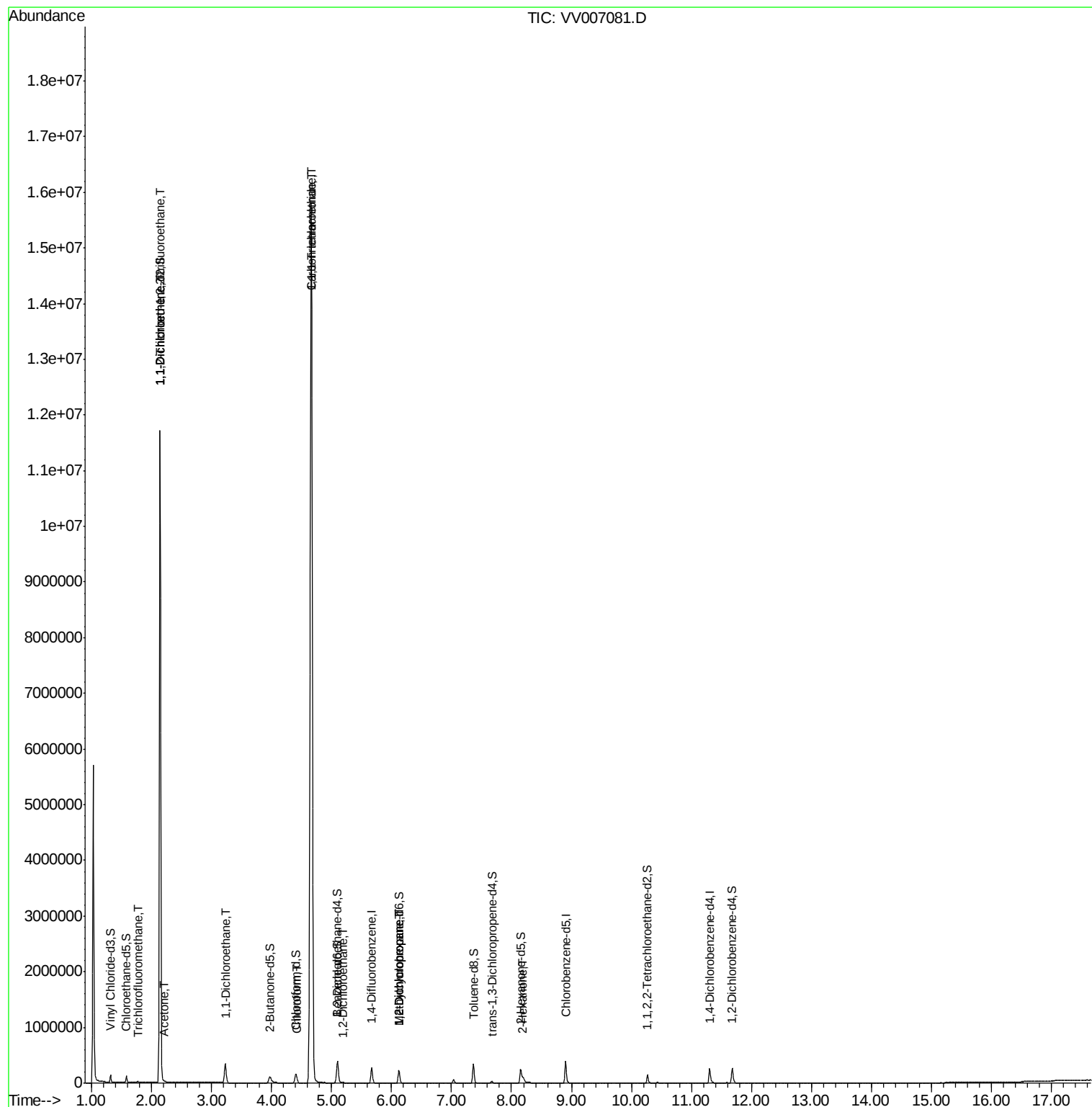
					Ovalue
9) Trichlorofluoromethane	1.77	101	9421	0.323	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	9947	0.568	ug/L # 30
12) 1,1-Dichloroethene	2.14	96	3703253	217.904	ug/L # 68
13) Acetone	2.21	43	4533	2.004	ug/L 99
19) 1,1-Dichloroethane	3.23	63	361321	10.998	ug/L 98
25) Chloroform	4.43	83	7548	0.210	ug/L 84
27) 1,2-Dichloroethane	5.19	62	5063	0.226	ug/L 100
29) 1,1,1-Trichloroethane	4.66	97	12652377	418.281	ug/L 98
31) Carbon tetrachloride	4.66	117	1764327	69.551	ug/L 99
35) Methylcyclohexane	6.12	83	26479	0.875	ug/L # 15
37) 1,2-Dichloropropane	6.12	63	11509	0.535	ug/L # 88
48) 2-Hexanone	8.20	43	36548	4.459	ug/L # 94

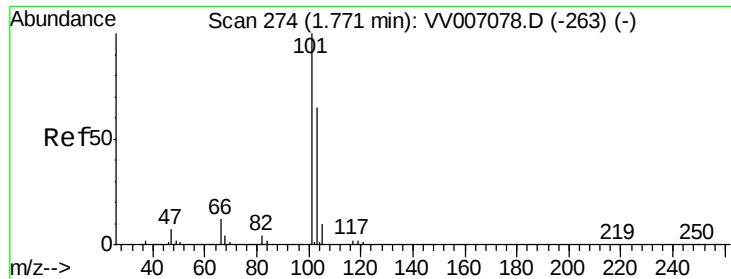
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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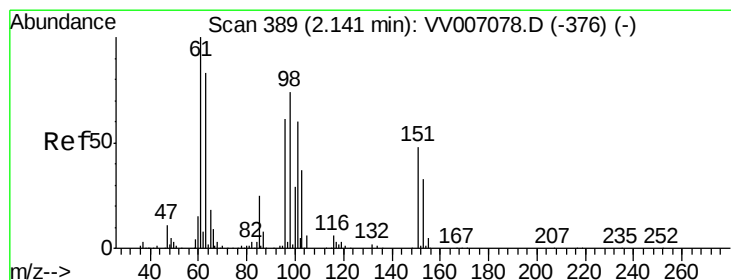
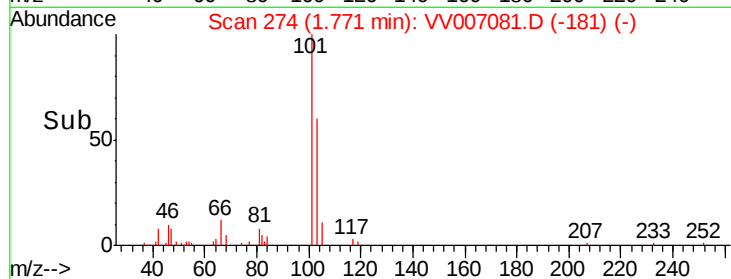
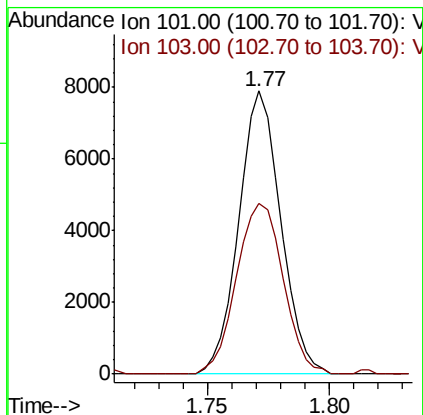
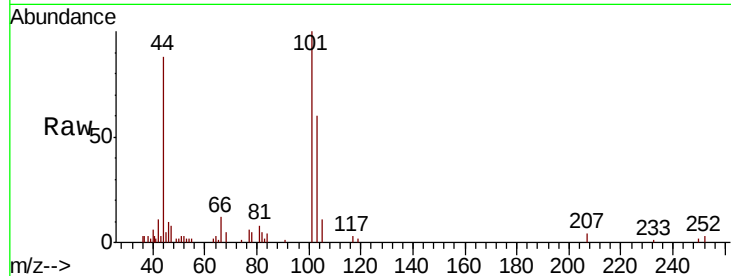


#9

Trichlorofluoromethane
 Concen: 0.323 ug/L
 RT: 1.77 min Scan# 274
 Delta R.T. -0.00 min
 Lab File: VV007081.D
 Acq: 20 Aug 2018 19:33

Instrument :
 MSVOA_V
 ClientSampleId :
 C0320

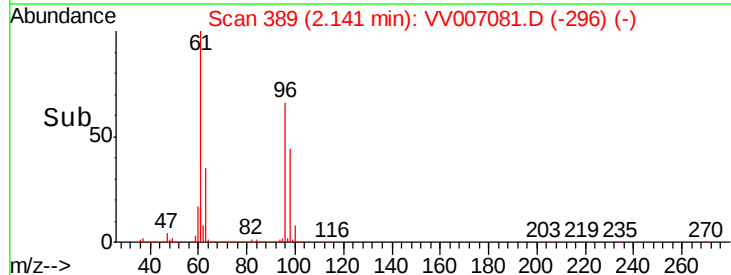
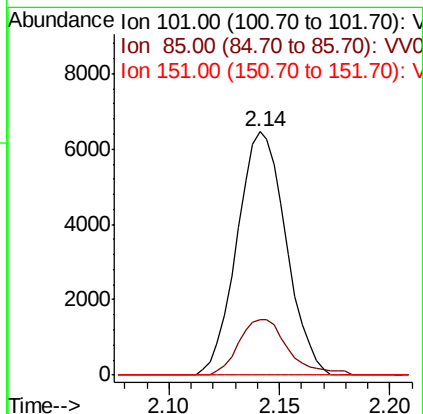
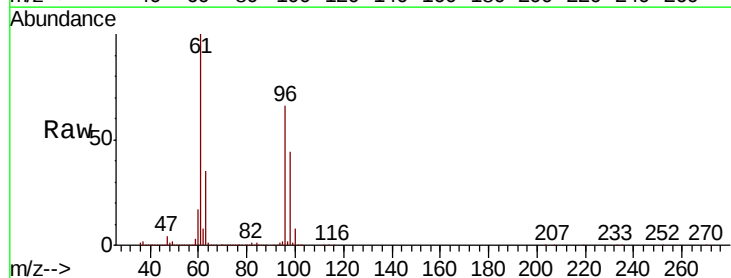
Tot Ion:101 Resp: 9421
 Ion Ratio Lower Upper
 101 100
 103 67.0 52.7 79.1

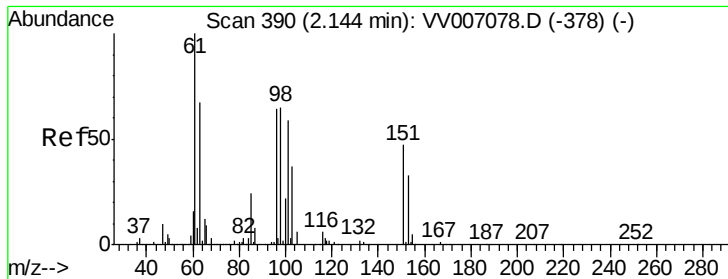


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.568 ug/L
 RT: 2.14 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VV007081.D
 Acq: 20 Aug 2018 19:33

Tgt Ion:101 Resp: 9947
 Ion Ratio Lower Upper
 101 100
 85 23.1 33.9 50.9#
 151 0.0 64.1 96.1#





#12

1,1-Dichloroethene

Concen: 217.904 ug/L

RT: 2.14 min Scan# 390

Delta R.T. -0.00 min

Lab File: VV007081.D

Acq: 20 Aug 2018 19:33

Instrument :

MSVOA_V

ClientSampleId :

C0320

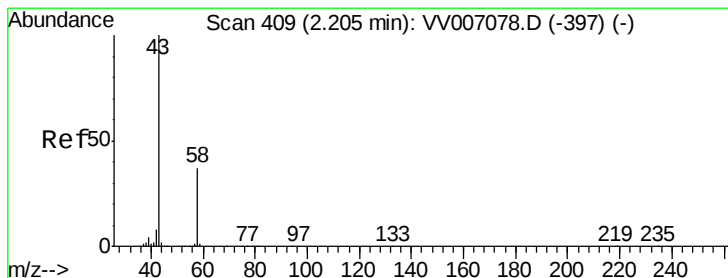
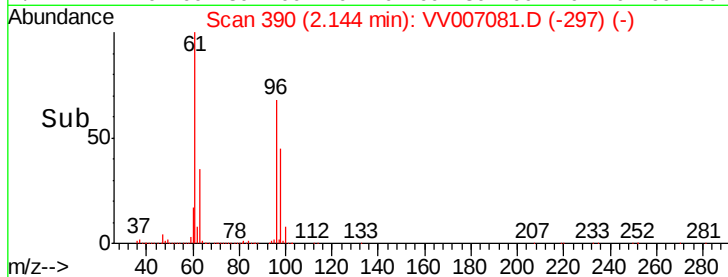
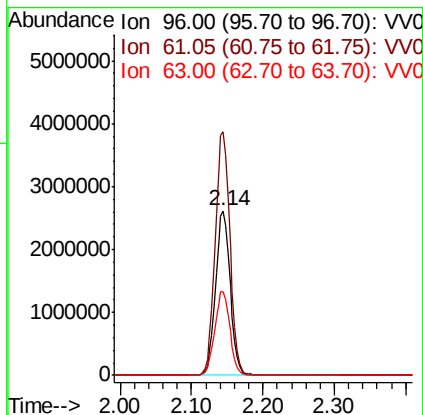
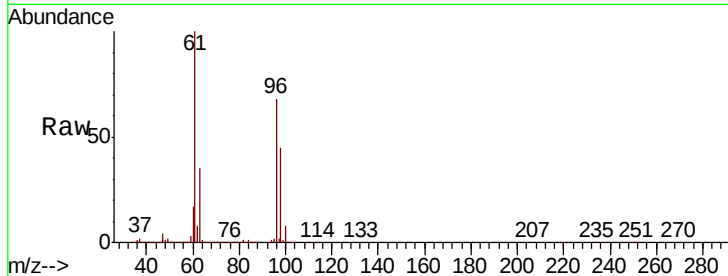
Tot Ion: 96 Resp: 3703253

Ion Ratio Lower Upper

96 100

61 148.1 111.6 207.4

63 51.1 84.9 157.7#



#13

Acetone

Concen: 2.004 ug/L

RT: 2.21 min Scan# 411

Delta R.T. 0.01 min

Lab File: VV007081.D

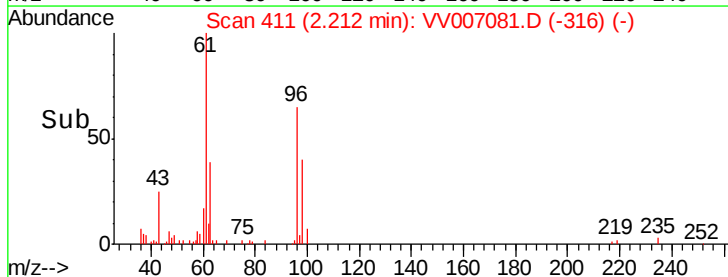
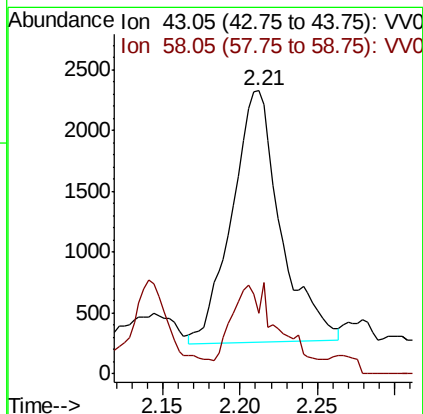
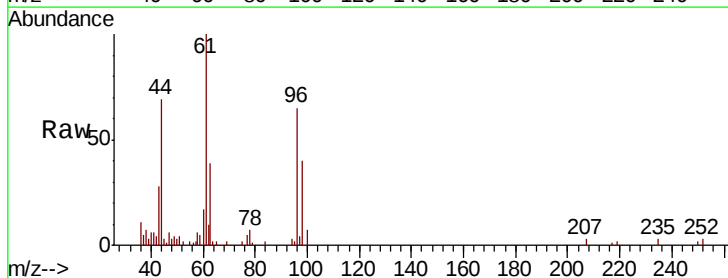
Acq: 20 Aug 2018 19:33

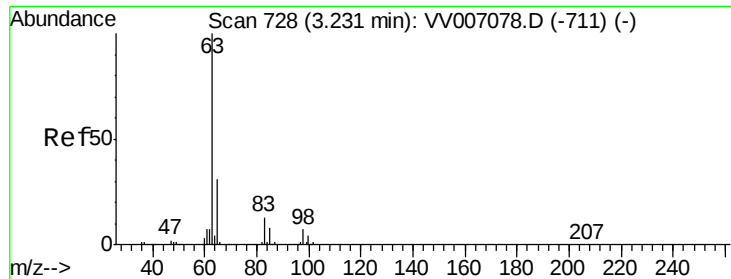
Tgt Ion: 43 Resp: 4533

Ion Ratio Lower Upper

43 100

58 35.2 0.0 71.4





#19

1,1-Dichloroethane

Concen: 10.998 ug/L

RT: 3.23 min Scan# 728

Delta R.T. -0.00 min

Lab File: VV007081.D

Acq: 20 Aug 2018 19:33

Instrument :

MSVOA_V

ClientSampleId :

C0320

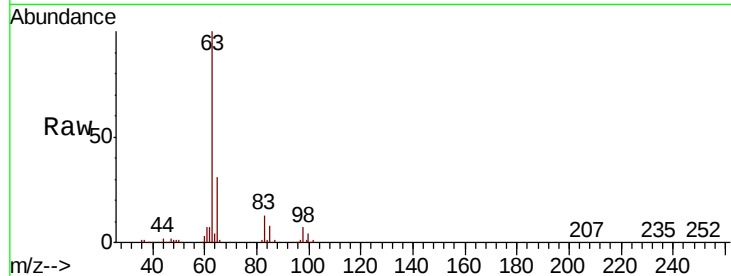
Tot Ion: 63 Resp: 361321

Ion Ratio Lower Upper

63 100

65 31.5 21.7 40.3

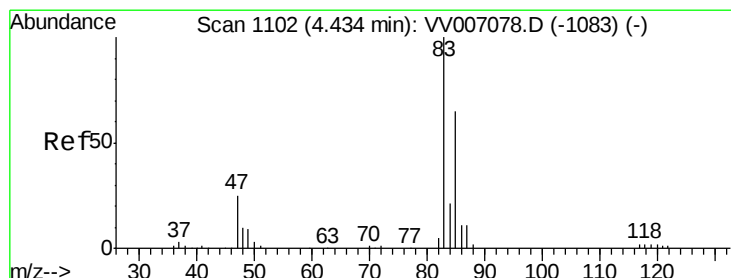
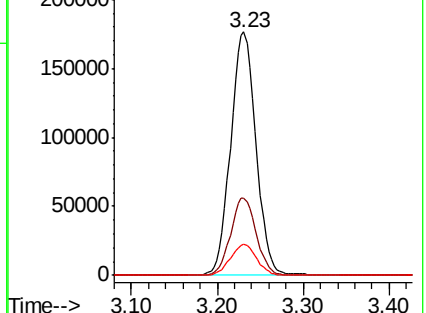
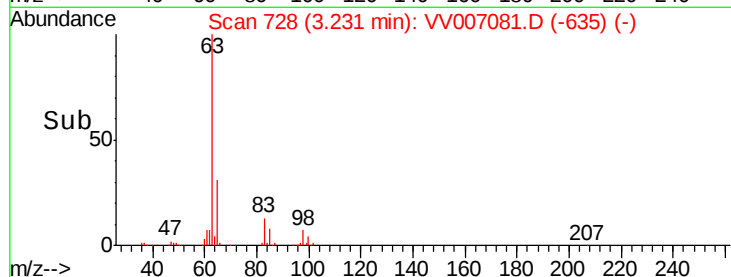
83 12.6 10.0 18.6



Abundance Ion 63.10 (62.80 to 63.80): VV007081.D (-635) (-)

Ion 65.10 (64.80 to 65.80): VV007081.D (-635) (-)

Ion 83.05 (82.75 to 83.75): VV007081.D (-635) (-)



#25

Chloroform

Concen: 0.210 ug/L

RT: 4.43 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VV007081.D

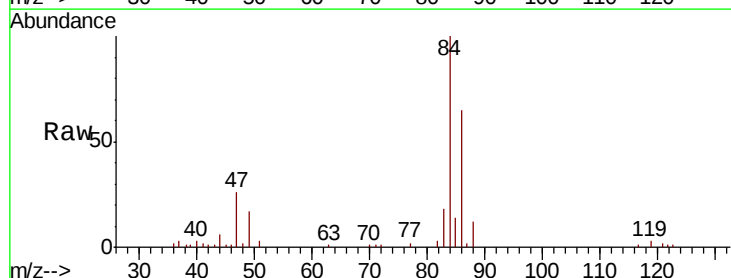
Acq: 20 Aug 2018 19:33

Tgt Ion: 83 Resp: 7548

Ion Ratio Lower Upper

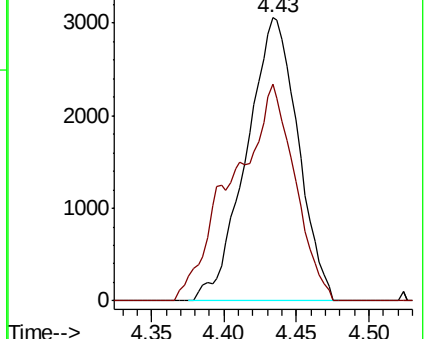
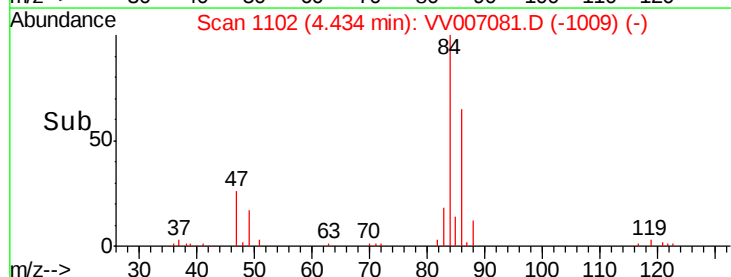
83 100

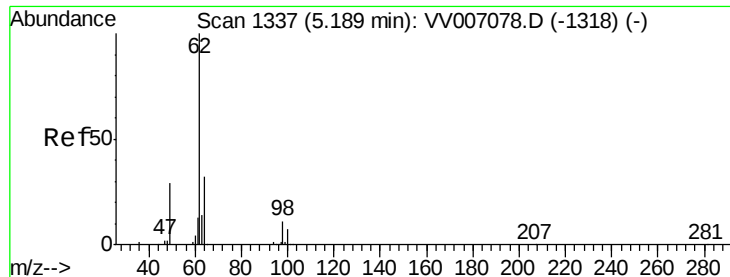
85 76.6 44.7 82.9



Abundance Ion 83.05 (82.75 to 83.75): VV007081.D (-1009) (-)

Ion 85.00 (84.70 to 85.70): VV007081.D (-1009) (-)





#27

1,2-Dichloroethane

Concen: 0.226 ug/L

RT: 5.19 min Scan# 1338

Delta R.T. 0.00 min

Lab File: VV007081.D

Acq: 20 Aug 2018 19:33

Instrument :

MSVOA_V

ClientSampleId :

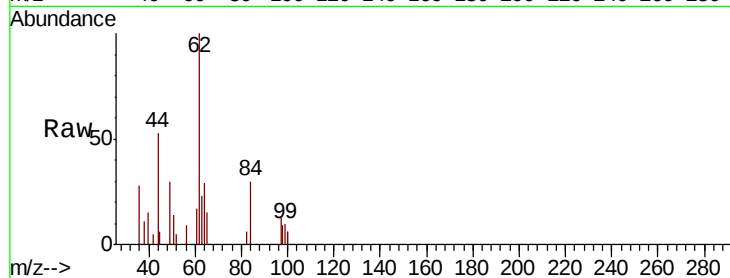
C0320

Tot Ion: 62 Resp: 5063

Ion Ratio Lower Upper

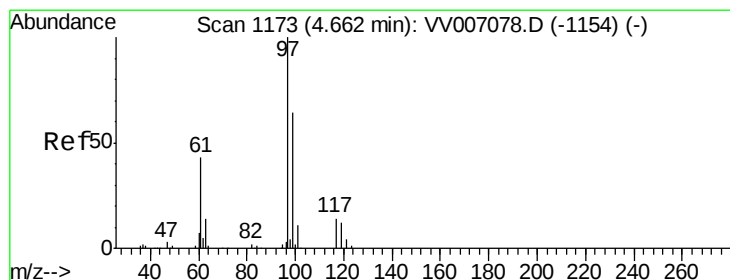
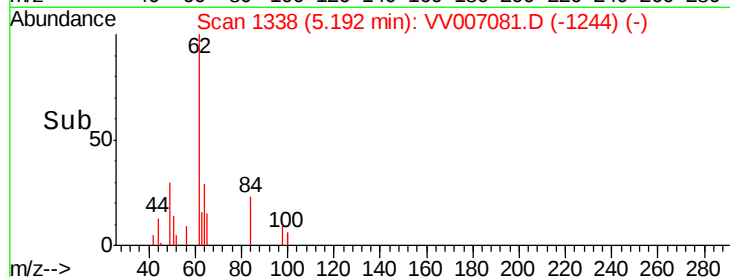
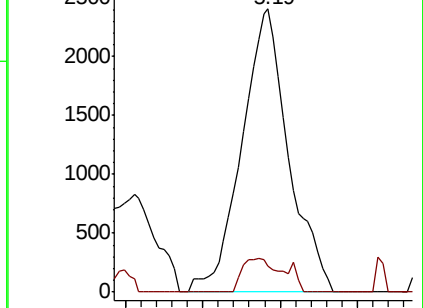
62 100

98 9.4 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) (-)



#29

1,1,1-Trichloroethane

Concen: 418.281 ug/L

RT: 4.66 min Scan# 1173

Delta R.T. -0.00 min

Lab File: VV007081.D

Acq: 20 Aug 2018 19:33

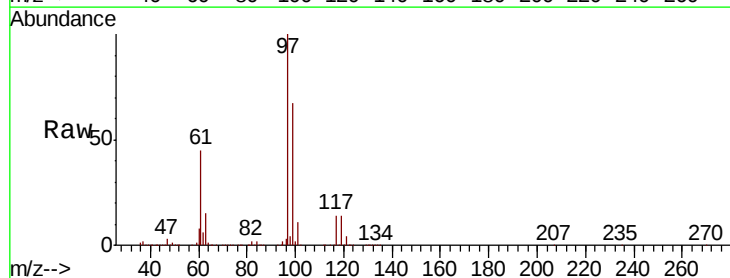
Tgt Ion: 97 Resp: 12652377

Ion Ratio Lower Upper

97 100

99 65.7 51.0 76.6

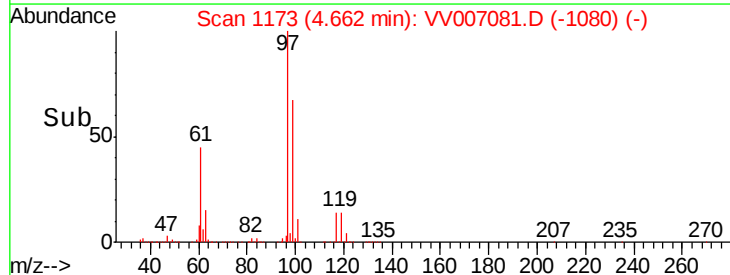
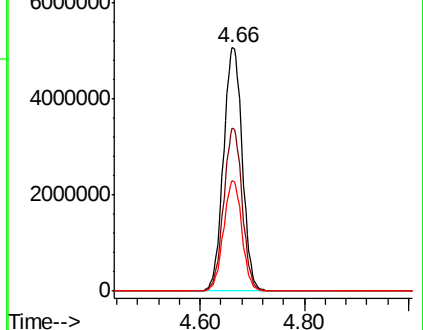
61 44.4 36.6 54.8

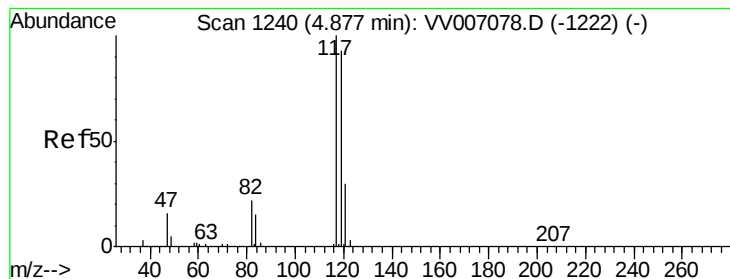


Abundance Ion 96.95 (96.65 to 97.65): VV007078.D (-1154) (-)

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

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





#31

Carbon tetrachloride

Concen: 69.551 ug/L

RT: 4.66 min Scan# 1173

Delta R.T. -0.22 min

Lab File: VV007081.D

Acq: 20 Aug 2018 19:33

Instrument :

MSVOA_V

ClientSampleId :

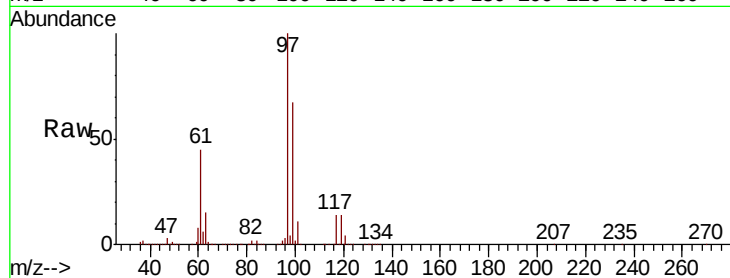
C0320

Tot Ion:117 Resp: 1764327

Ion Ratio Lower Upper

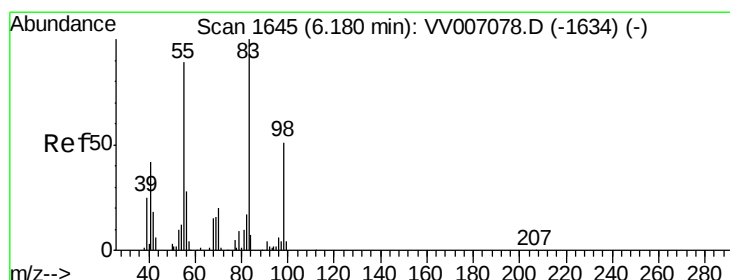
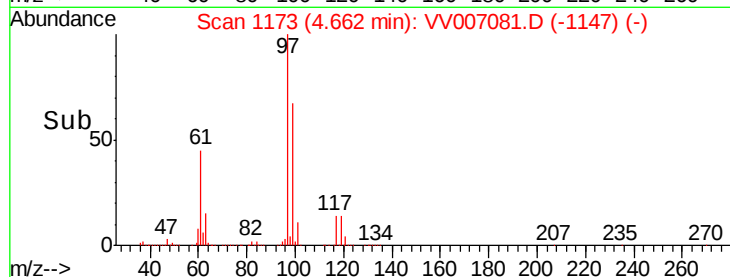
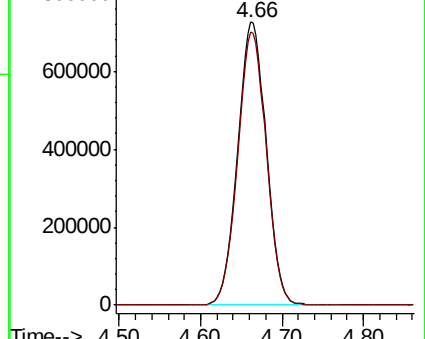
117 100

119 96.5 76.2 114.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#35

Methylcyclohexane

Concen: 0.875 ug/L

RT: 6.12 min Scan# 1628

Delta R.T. -0.05 min

Lab File: VV007081.D

Acq: 20 Aug 2018 19:33

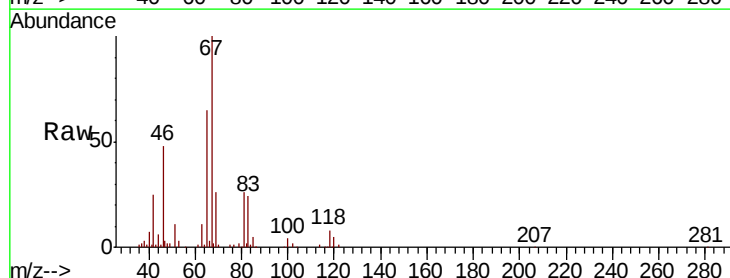
Tgt Ion: 83 Resp: 26479

Ion Ratio Lower Upper

83 100

55 0.1 68.1 102.1#

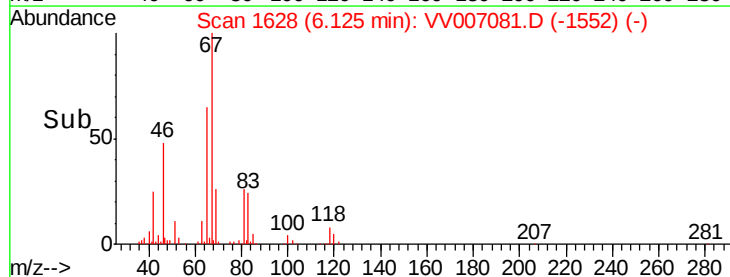
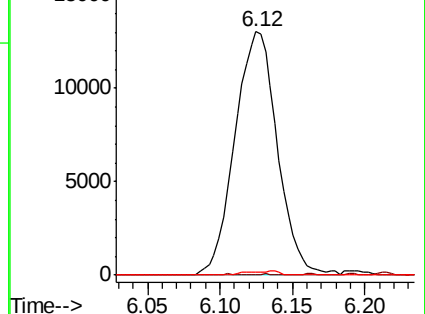
98 0.7 37.9 56.9#

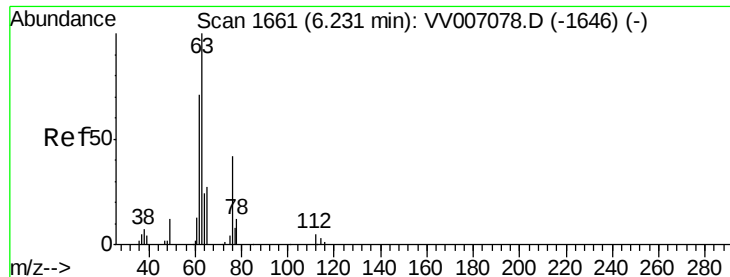


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 0.535 ug/L

RT: 6.12 min Scan# 1628

Delta R.T. -0.11 min

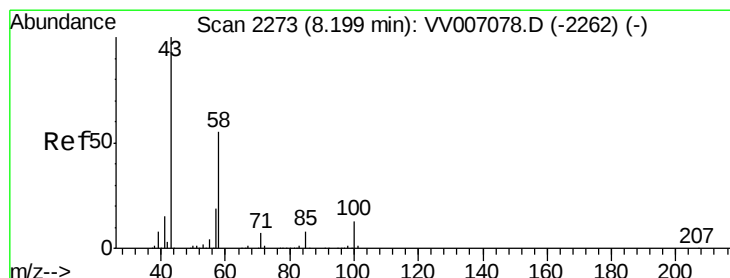
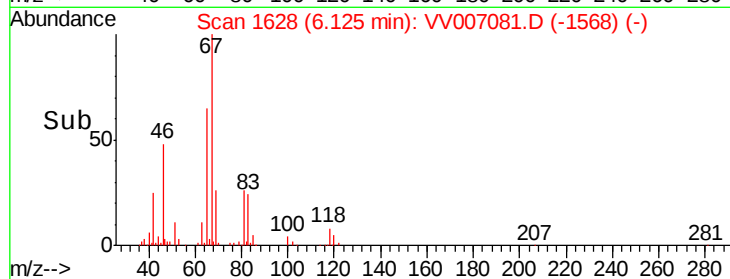
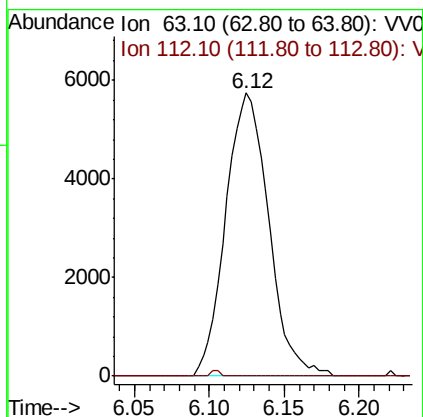
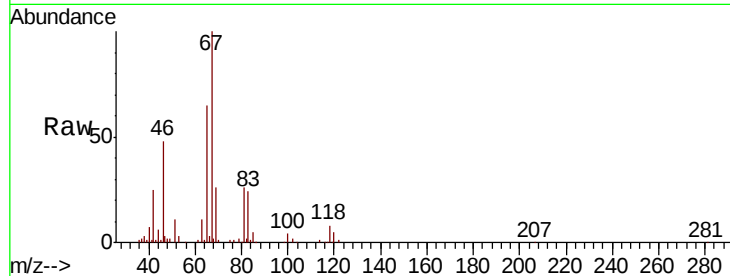
Lab File: VV007081.D

Acq: 20 Aug 2018 19:33

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Tot Ion: 63 Resp: 11509

Ion	Ratio	Lower	Upper
63	100		
112	0.4	3.5	5.3#



#48

2-Hexanone

Concen: 4.459 ug/L

RT: 8.20 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VV007081.D

Acq: 20 Aug 2018 19:33

Tgt Ion: 43 Resp: 36548

Ion	Ratio	Lower	Upper
43	100		
58	52.0	44.2	66.2
57	24.1	14.8	22.2#
100	11.6	8.8	13.2

