

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV071218\
 Data File : VV006594.D
 Acq On : 12 Jul 2018 19:00
 Operator : SY/MD
 Sample : J3919-20
 Misc : 25 mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AF8

Quant Time: Jul 13 01:48:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR070718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 13 01:47:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	303700	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	277020	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	120727	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	63728	3.86	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.20%
7) Chloroethane-d5	1.58	69	62031	4.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.00%
11) 1,1-Dichloroethene-d2	2.13	63	101996	3.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.40%
20) 2-Butanone-d5	3.95	46	201884	48.14	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.28%
24) Chloroform-d	4.41	84	147397	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.80%
26) 1,2-Dichloroethane-d4	5.09	65	70821	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
32) Benzene-d6	5.10	84	296876	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
36) 1,2-Dichloropropane-d6	6.12	67	97942	4.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.60%
41) Toluene-d8	7.37	98	254004	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.00%
43) trans-1,3-Dichloropropene-	7.67	79	28896	4.16	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.20%
46) 2-Hexanone-d5	8.14	63	185909	52.96	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.92%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	74524	4.62	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.40%
64) 1,2-Dichlorobenzene-d4	11.68	152	105046	5.06	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.20%

Target Compounds

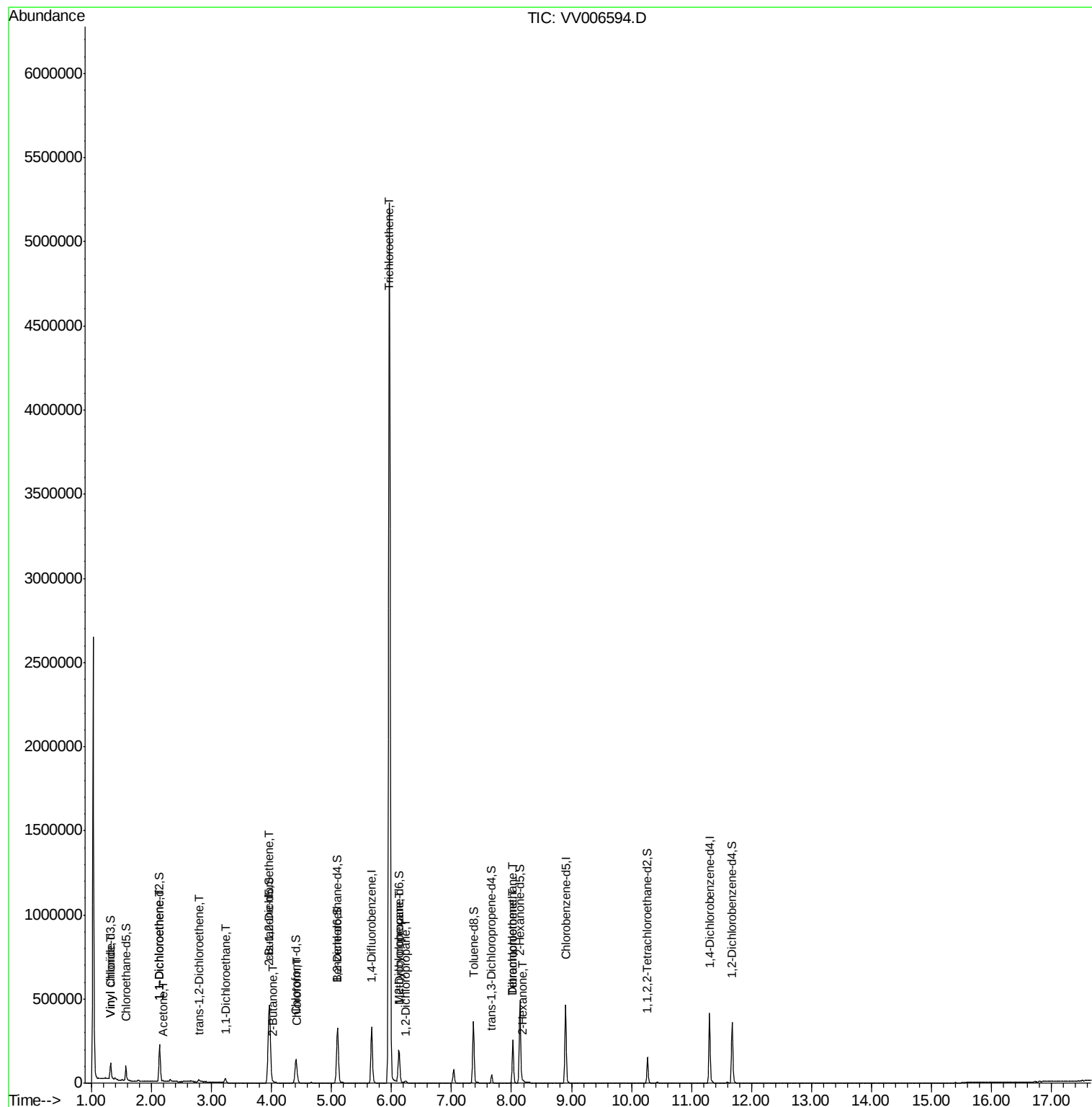
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Vinyl chloride	1.32	62	6078	0.225	ug/L	85
12) 1,1-Dichloroethene	2.14	96	26497	1.393	ug/L #	69
13) Acetone	2.19	43	3747	1.413	ug/L	95
18) trans-1,2-Dichloroethene	2.79	96	4500	0.217	ug/L	99
19) 1,1-Dichloroethane	3.23	63	24504	0.681	ug/L	98
21) 2-Butanone	4.03	43	3723	0.855	ug/L	75
22) cis-1,2-Dichloroethene	3.97	96	229109	10.280	ug/L	99
25) Chloroform	4.44	83	11624	0.325	ug/L	99
34) Trichloroethene	5.96	95	1829384	86.264	ug/L	98
35) Methylcyclohexane	6.12	83	24150	0.707	ug/L #	19
37) 1,2-Dichloropropane	6.23	63	4519	0.223	ug/L #	94
47) Tetrachloroethene	8.02	164	60808	3.487	ug/L	96
48) 2-Hexanone	8.19	43	2646	0.364	ug/L #	80
49) Dibromochloromethane	8.02	129	53465	3.623	ug/L #	12

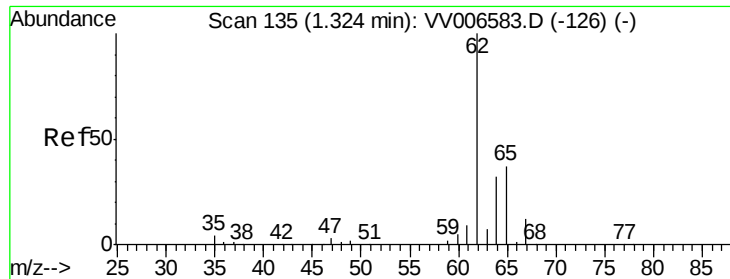
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jul 13 01:47:22 2018
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.225 ug/L

RT: 1.32 min Scan# 135

Delta R.T. -0.00 min

Lab File: VV006594.D

Acq: 12 Jul 2018 19:00

Instrument :

MSVOA_V

ClientSampleId :

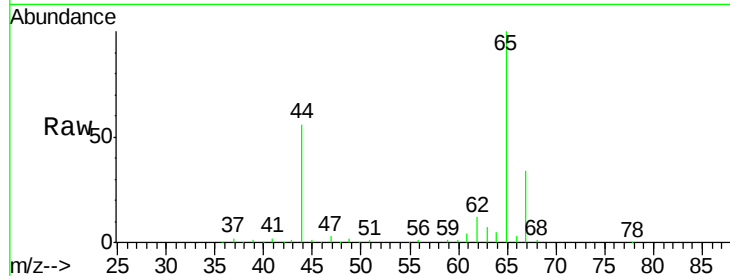
C0AF8

Tgt Ion: 62 Resp: 6078

Ion Ratio Lower Upper

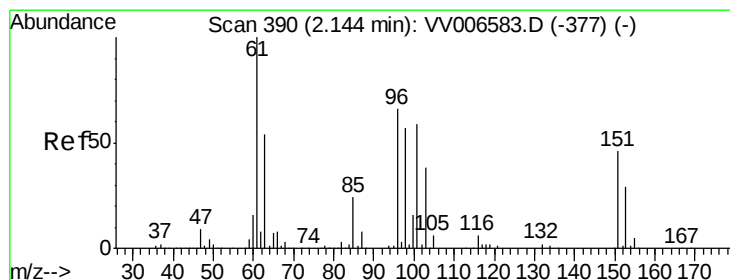
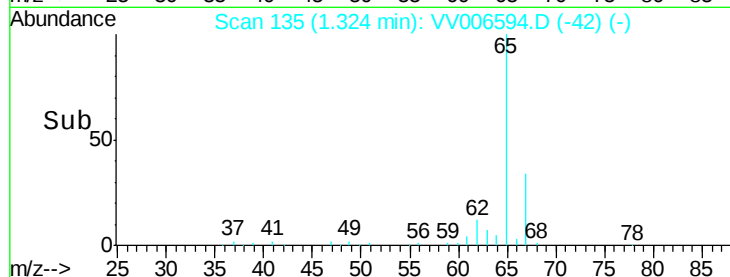
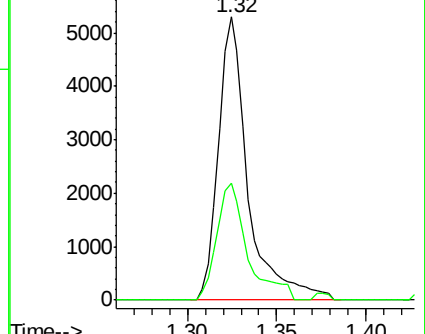
62 100

64 41.5 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#12

1,1-Dichloroethene

Concen: 1.393 ug/L

RT: 2.14 min Scan# 390

Delta R.T. -0.00 min

Lab File: VV006594.D

Acq: 12 Jul 2018 19:00

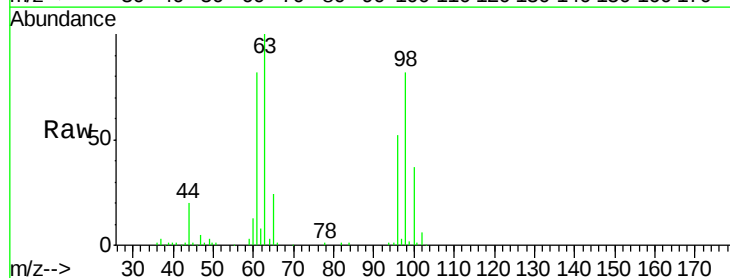
Tgt Ion: 96 Resp: 26497

Ion Ratio Lower Upper

96 100

61 158.2 110.7 205.7

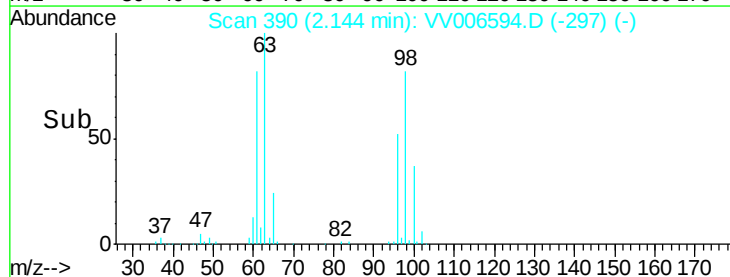
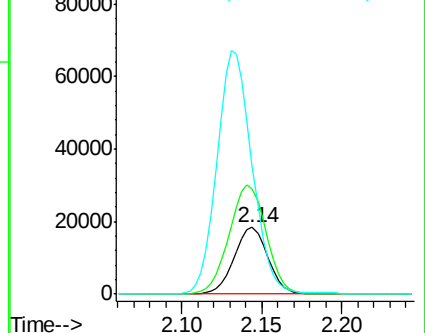
63 192.1 79.0 146.8#

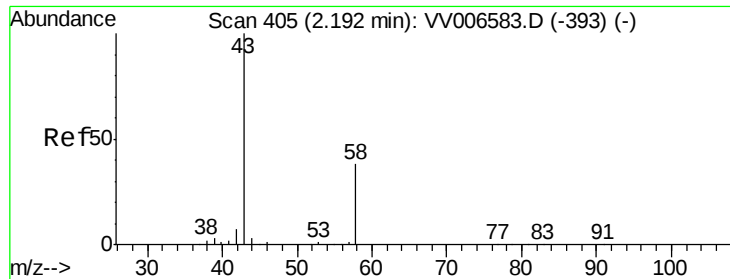


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 1.413 ug/L

RT: 2.19 min Scan# 405

Delta R.T. -0.00 min

Lab File: VV006594.D

Acq: 12 Jul 2018 19:00

Instrument :

MSVOA_V

ClientSampled :

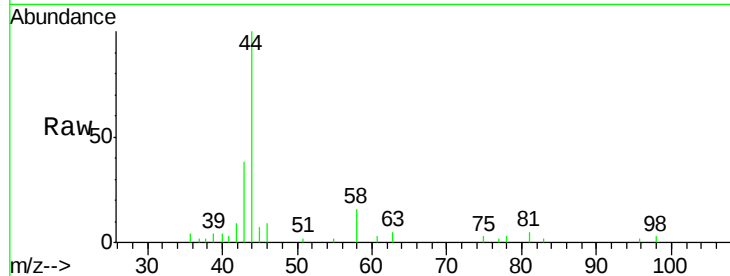
C0AF8

Tgt Ion: 43 Resp: 3747

Ion Ratio Lower Upper

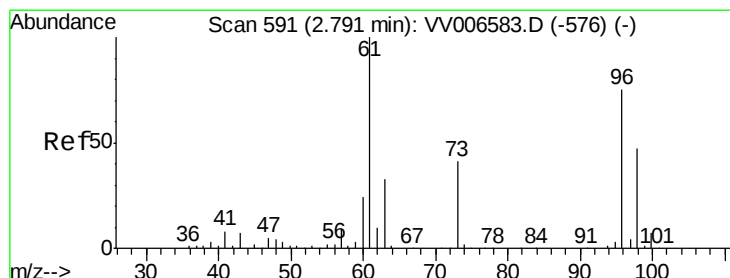
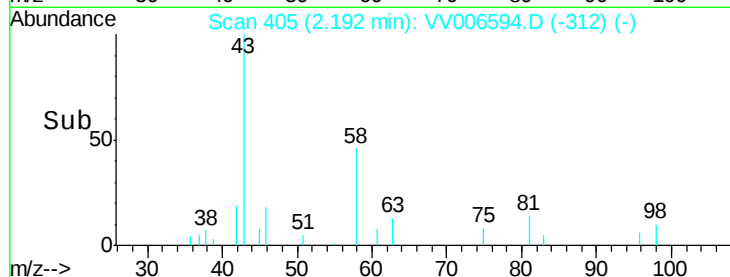
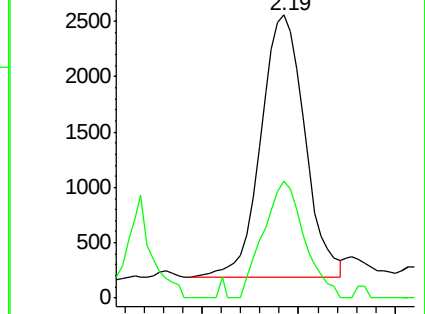
43 100

58 41.4 0.0 76.2



Abundance Ion 43.05 (42.75 to 43.75): VV006583.D (-393) (-)

Ion 58.05 (57.75 to 58.75): VV006583.D (-393) (-)



#18

trans-1,2-Dichloroethene

Concen: 0.217 ug/L

RT: 2.79 min Scan# 592

Delta R.T. 0.00 min

Lab File: VV006594.D

Acq: 12 Jul 2018 19:00

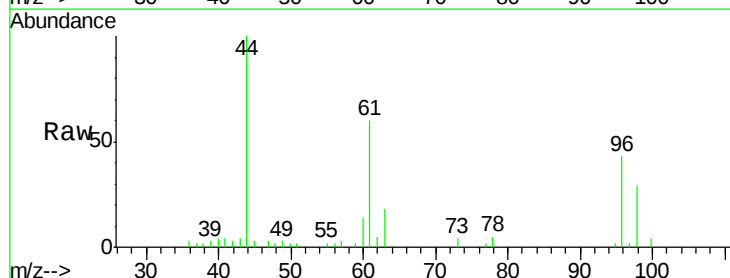
Tgt Ion: 96 Resp: 4500

Ion Ratio Lower Upper

96 100

61 137.1 96.5 179.3

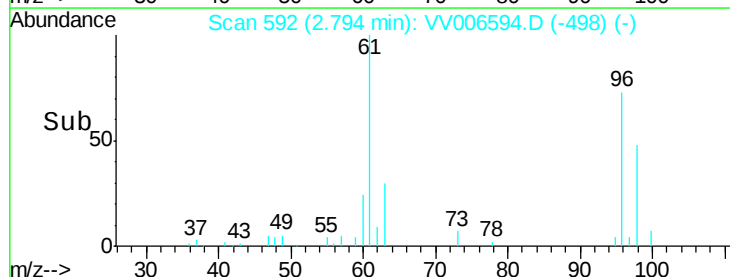
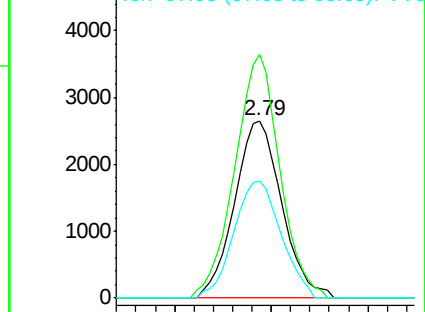
98 66.0 45.1 83.7

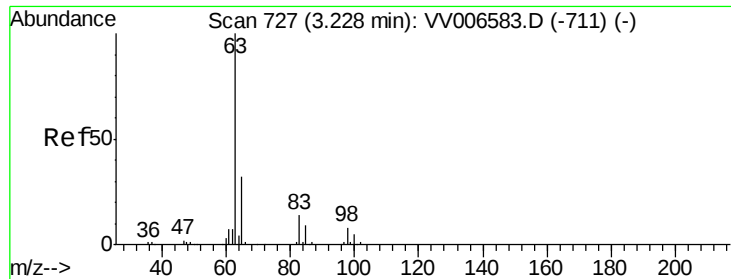


Abundance Ion 96.00 (95.70 to 96.70): VV006583.D (-576) (-)

Ion 61.05 (60.75 to 61.75): VV006583.D (-576) (-)

Ion 97.95 (97.65 to 98.65): VV006583.D (-576) (-)

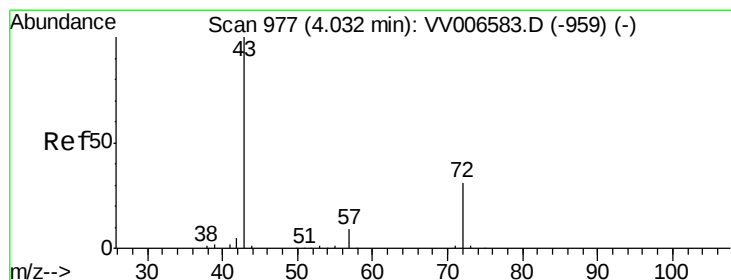
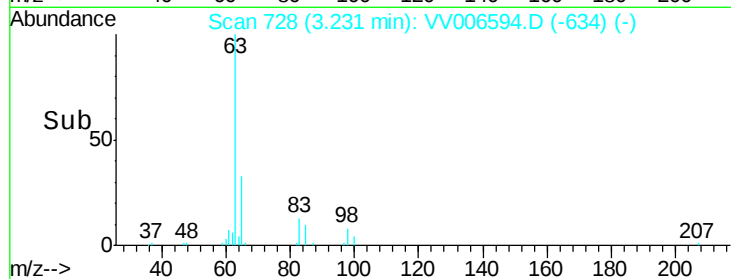
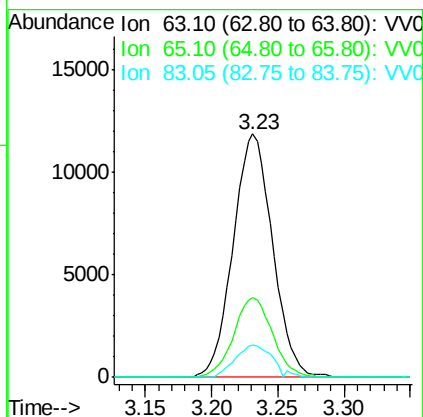
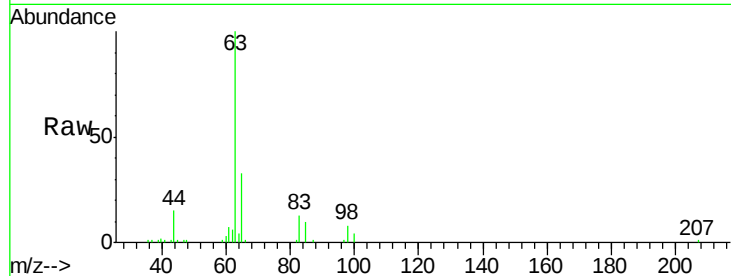




#19
 1,1-Dichloroethane
 Concen: 0.681 ug/L
 RT: 3.23 min Scan# 728
 Delta R.T. 0.00 min
 Lab File: VV006594.D
 Acq: 12 Jul 2018 19:00

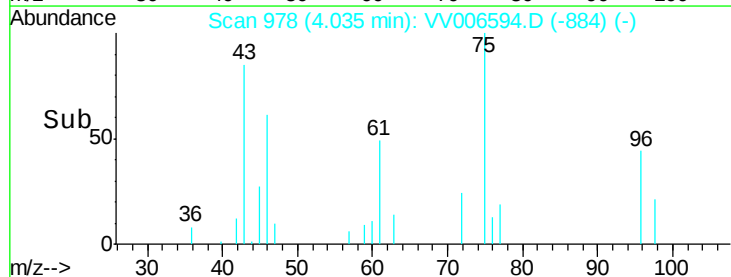
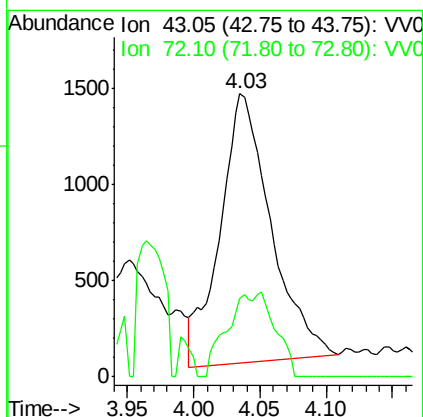
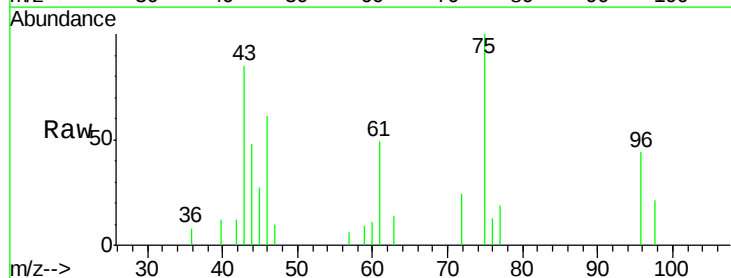
Instrument :
 MSVOA_V
 ClientSampleId :
 C0AF8

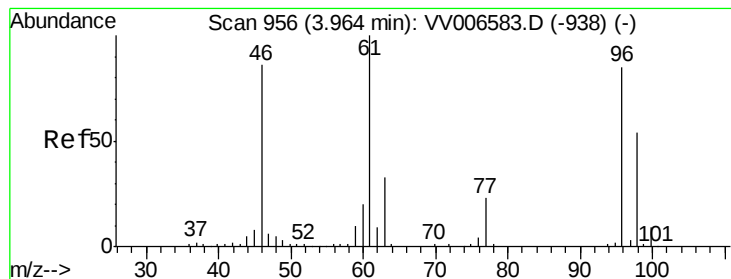
Tgt Ion: 63 Resp: 24504
 Ion Ratio Lower Upper
 63 100
 65 32.6 22.0 41.0
 83 13.2 9.5 17.7



#21
 2-Butanone
 Concen: 0.855 ug/L
 RT: 4.03 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VV006594.D
 Acq: 12 Jul 2018 19:00

Tgt Ion: 43 Resp: 3723
 Ion Ratio Lower Upper
 43 100
 72 16.7 15.1 45.3



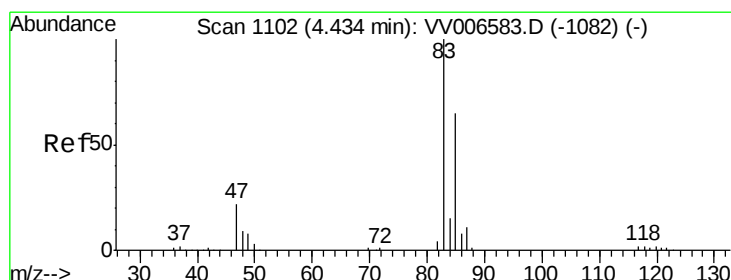
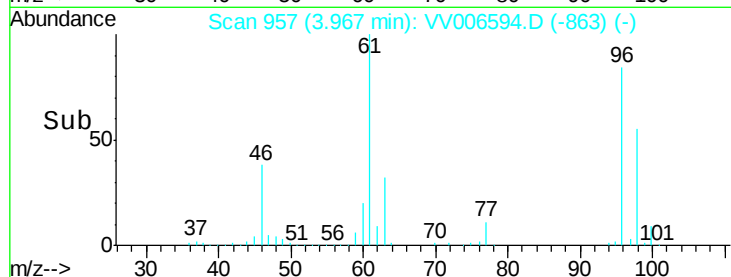
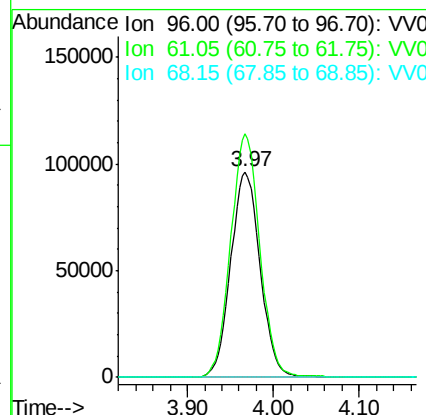
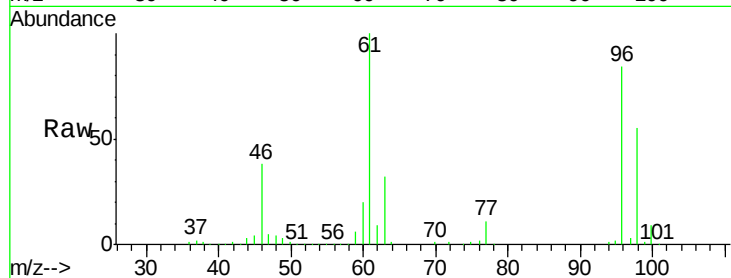


#22

cis-1,2-Dichloroethene
 Concen: 10.280 ug/L
 RT: 3.97 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VV006594.D
 Acq: 12 Jul 2018 19:00

Instrument :
 MSVOA_V
 ClientSampled :
 C0AF8

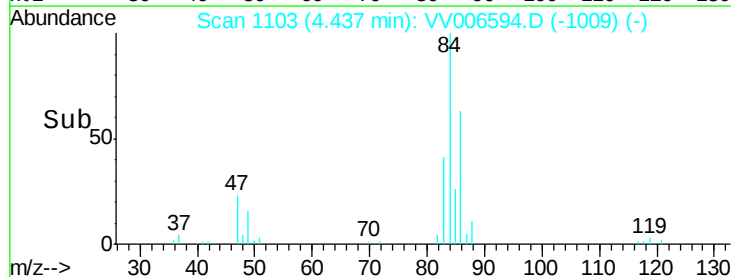
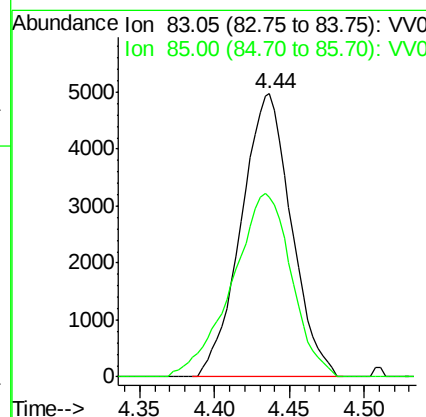
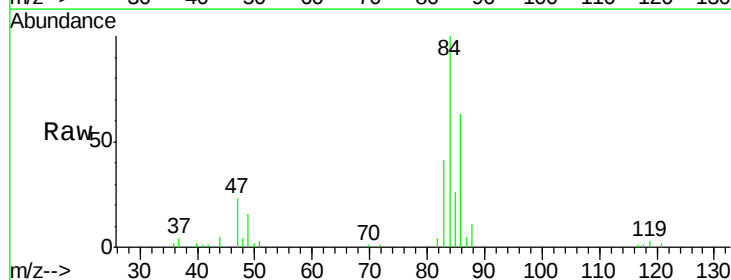
Tgt Ion: 96 Resp: 229109
 Ion Ratio Lower Upper
 96 100
 61 118.5 83.8 155.6
 68 0.0 0.0 0.0

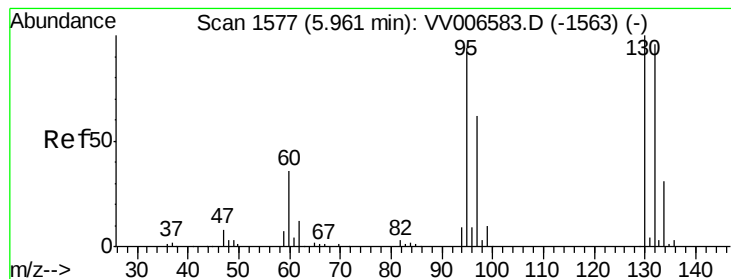


#25

Chloroform
 Concen: 0.325 ug/L
 RT: 4.44 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VV006594.D
 Acq: 12 Jul 2018 19:00

Tgt Ion: 83 Resp: 11624
 Ion Ratio Lower Upper
 83 100
 85 63.6 44.8 83.2





#34

Trichloroethene

Concen: 86.264 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV006594.D

Acq: 12 Jul 2018 19:00

Instrument :

MSVOA_V

ClientSampleId :

C0AF8

Tgt Ion: 95 Resp: 1829384

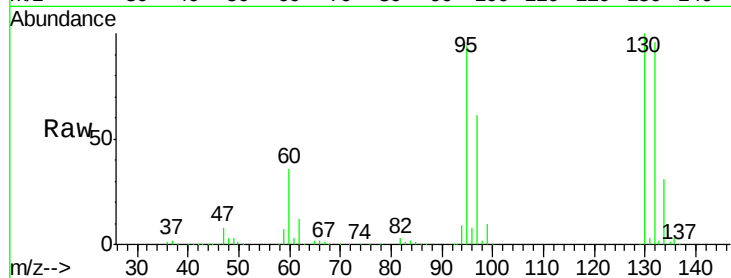
Ion Ratio Lower Upper

95 100

97 65.0 44.3 82.3

132 102.0 70.0 130.0

130 106.5 72.7 134.9

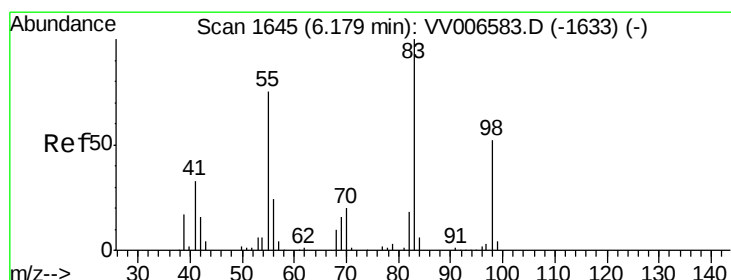
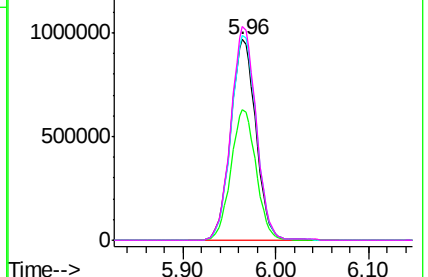
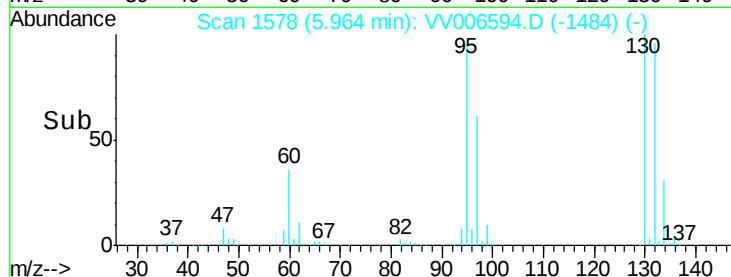


Abundance Ion 95.00 (94.70 to 95.70): VV006594.D (-1484) (-)

Ion 96.95 (96.65 to 97.65): VV006594.D (-1484) (-)

Ion 131.95 (131.65 to 132.65): VV006594.D (-1484) (-)

Ion 129.95 (129.65 to 130.65): VV006594.D (-1484) (-)



#35

Methylcyclohexane

Concen: 0.707 ug/L

RT: 6.12 min Scan# 1628

Delta R.T. -0.05 min

Lab File: VV006594.D

Acq: 12 Jul 2018 19:00

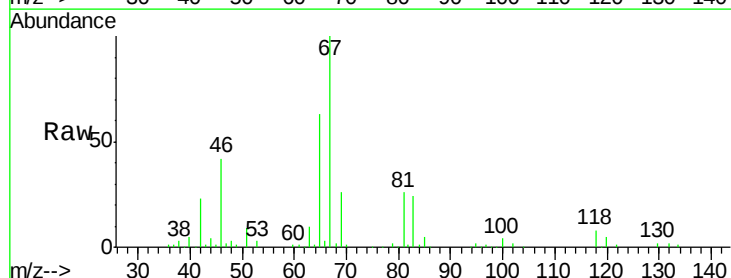
Tgt Ion: 83 Resp: 24150

Ion Ratio Lower Upper

83 100

55 0.0 58.3 87.5#

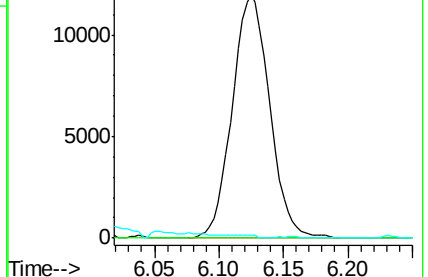
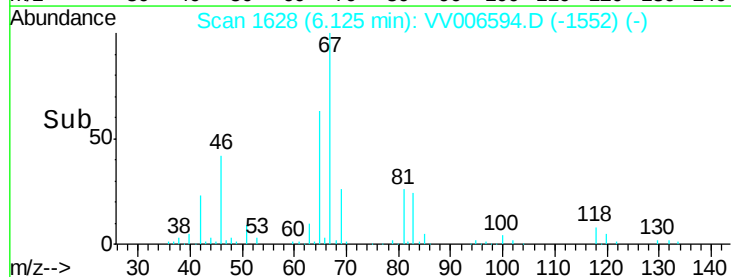
98 0.0 39.3 58.9#

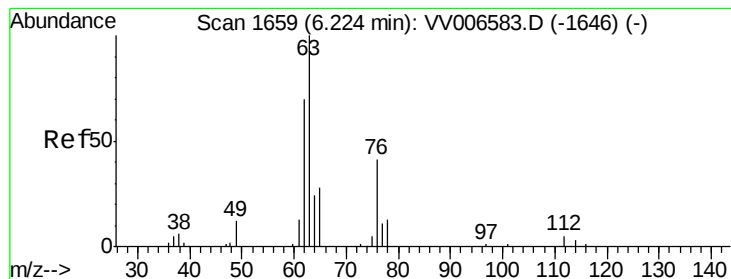


Abundance Ion 83.15 (82.85 to 83.85): VV006594.D (-1552) (-)

Ion 55.10 (54.80 to 55.80): VV006594.D (-1552) (-)

Ion 98.15 (97.85 to 98.85): VV006594.D (-1552) (-)





#37

1,2-Dichloropropane

Concen: 0.223 ug/L

RT: 6.23 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VV006594.D

Acq: 12 Jul 2018 19:00

Instrument :

MSVOA_V

ClientSampleId :

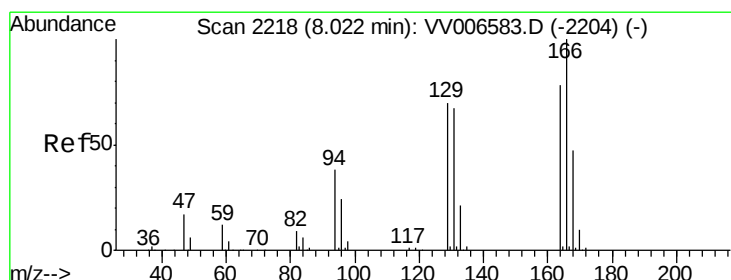
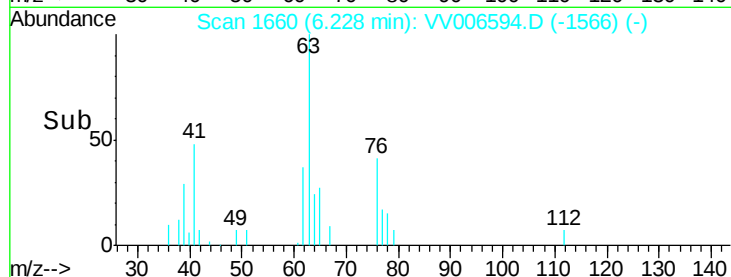
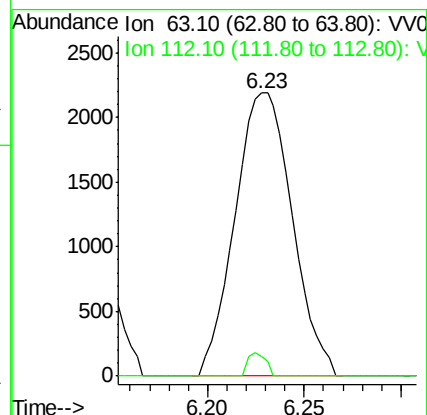
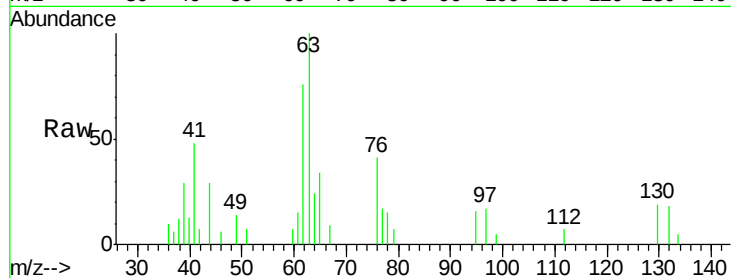
C0AF8

Tgt Ion: 63 Resp: 4519

Ion Ratio Lower Upper

63 100

112 2.6 3.8 5.6#



#47

Tetrachloroethene

Concen: 3.487 ug/L

RT: 8.02 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VV006594.D

Acq: 12 Jul 2018 19:00

Tgt Ion: 164 Resp: 60808

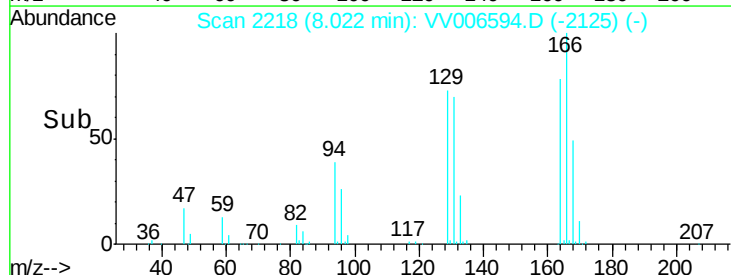
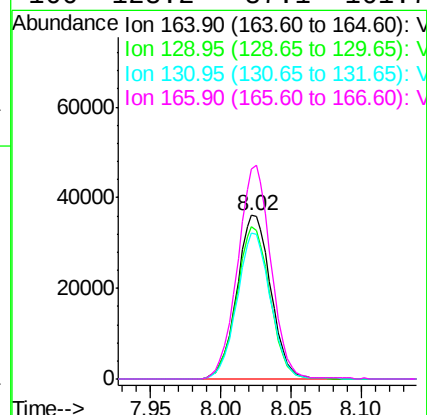
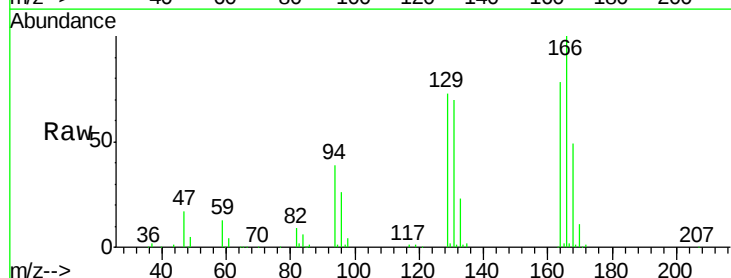
Ion Ratio Lower Upper

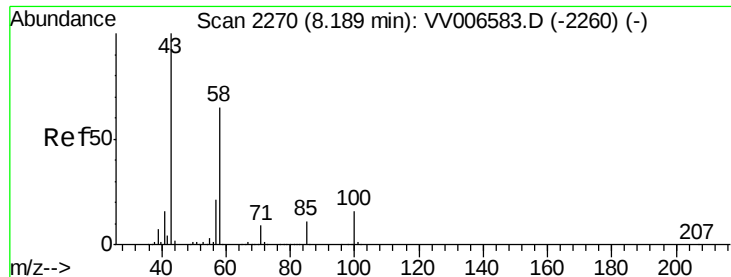
164 100

129 93.1 62.1 115.3

131 89.2 60.8 113.0

166 128.2 87.1 161.7

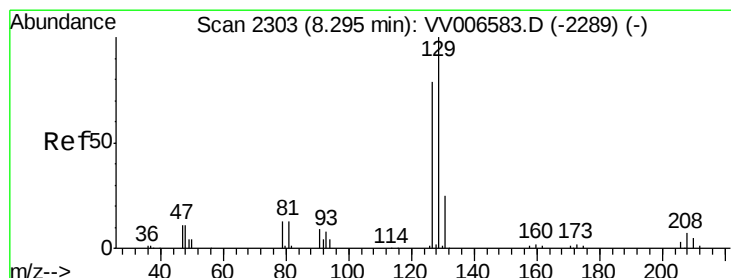
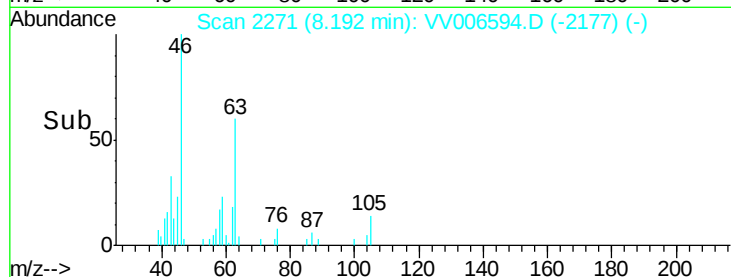
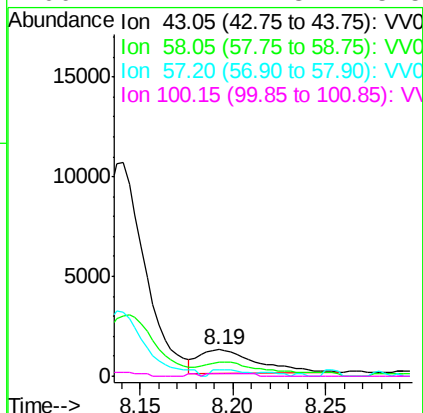
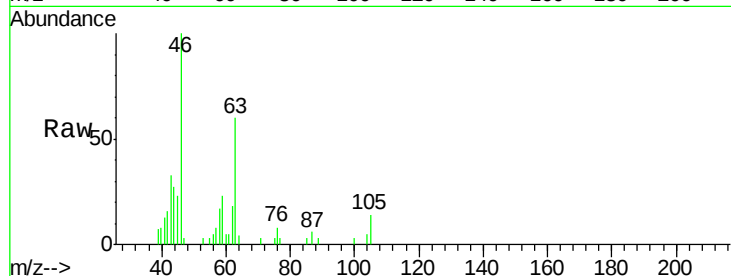




#48
2-Hexanone
Concen: 0.364 ug/L
RT: 8.19 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV006594.D
Acq: 12 Jul 2018 19:00

Instrument :
MSVOA_V
ClientSampleId :
C0AF8

Tgt Ion: 43 Resp: 2646
Ion Ratio Lower Upper
43 100
58 45.4 50.3 75.5#
57 15.4 17.0 25.4#
100 7.4 12.3 18.5#



#49
Dibromochloromethane
Concen: 3.623 ug/L
RT: 8.02 min Scan# 2218
Delta R.T. -0.27 min
Lab File: VV006594.D
Acq: 12 Jul 2018 19:00

Tgt Ion: 129 Resp: 53465
Ion Ratio Lower Upper
129 100
127 0.0 52.7 97.9#

