

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062518\
 Data File : VV006445.D
 Acq On : 25 Jun 2018 23:25
 Operator : SY/MD
 Sample : J3673-11 40X
 Misc : 25 mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 26 09:10:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR062518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 26 06:50:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	309113	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	276161	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	120816	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	97593	4.80	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.00%
7) Chloroethane-d5	1.58	69	78003	4.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.20%
11) 1,1-Dichloroethene-d2	2.14	63	513884	14.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	285.60%#
20) 2-Butanone-d5	3.97	46	199528	52.39	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.78%
24) Chloroform-d	4.41	84	163520	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.40%
26) 1,2-Dichloroethane-d4	5.09	65	81751	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.80%
32) Benzene-d6	5.11	84	363273	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.20%
36) 1,2-Dichloropropane-d6	6.12	67	106234	4.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.20%
41) Toluene-d8	7.37	98	329080	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
43) trans-1,3-Dichloropropene-	7.67	79	34910	4.42	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.40%
46) 2-Hexanone-d5	8.14	63	153209	49.00	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.00%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	63953	4.86	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.20%
64) 1,2-Dichlorobenzene-d4	11.68	152	114541	5.10	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.00%

Target Compounds

					Ovalue
5) Vinyl chloride	1.32	62	92733	3.68	ug/L 100
8) Chloroethane	1.32	64	29981	1.87	ug/L # 54
12) 1,1-Dichloroethene	2.14	96	765195	40.93	ug/L # 72
13) Acetone	2.23	43	1793	0.77	ug/L 81
18) trans-1,2-Dichloroethene	2.79	96	46059	2.25	ug/L 97
19) 1,1-Dichloroethane	3.23	63	1128739	30.96	ug/L 99
22) cis-1,2-Dichloroethene	3.97	96	1904303	84.62	ug/L 99
27) 1,2-Dichloroethane	5.19	62	8701	0.42	ug/L 97
33) Benzene	5.15	78	19257	0.24	ug/L 100
34) Trichloroethene	5.97	95	16278683	697.73	ug/L 95
35) Methylcyclohexane	6.12	83	25885	0.76	ug/L # 1
37) 1,2-Dichloropropane	6.12	63	11108	0.56	ug/L # 87
45) 1,1,2-Trichloroethane	7.89	97	15040	1.09	ug/L 98
47) Tetrachloroethene	8.03	164	64844	3.68	ug/L 99
48) 2-Hexanone	8.20	43	18206	2.61	ug/L # 84
49) Dibromochloromethane	8.03	129	55039	3.75	ug/L # 11

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jun 26 06:50:47 2018
Response via : Initial Calibration

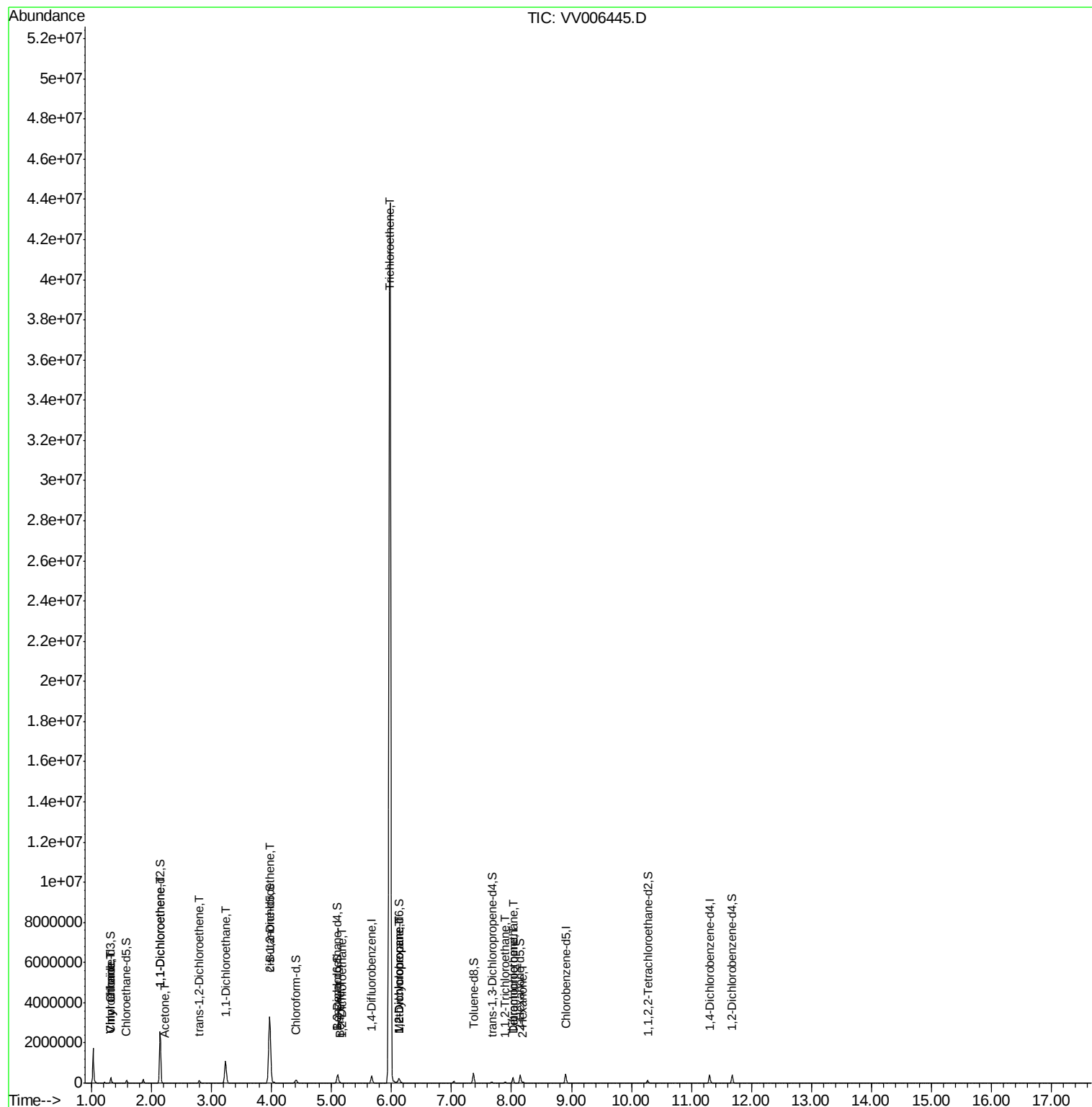
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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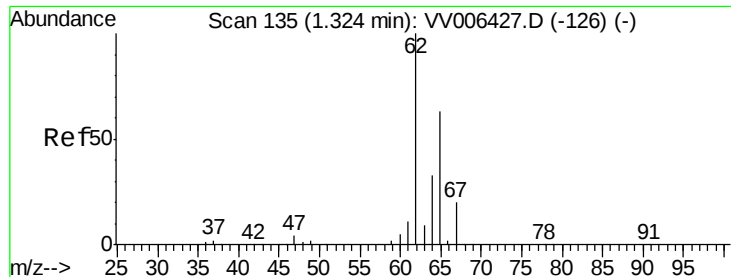
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 3.68 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV006445.D

Acq: 25 Jun 2018 23:25

Instrument :

MSVOA_V

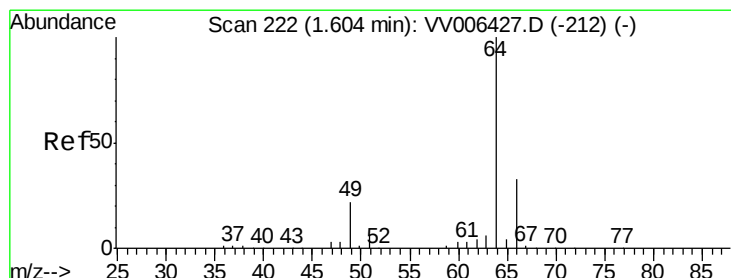
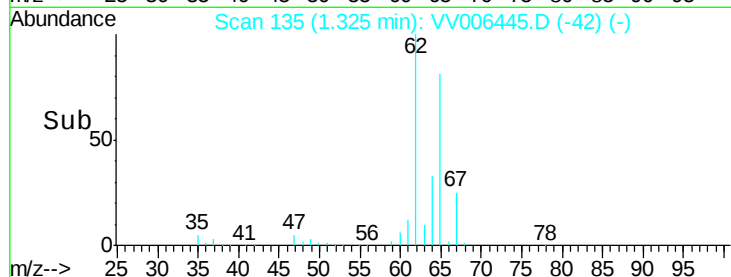
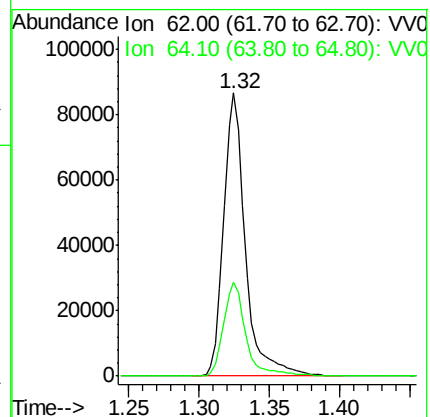
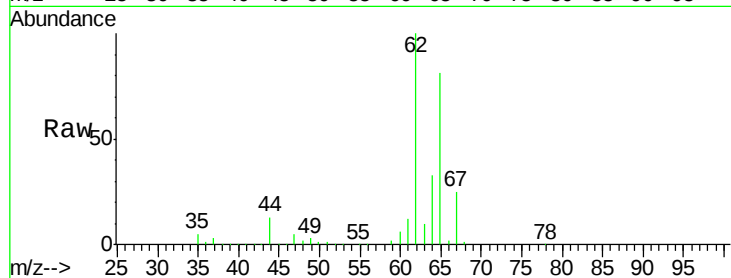
ClientSampleId :

Tot Ion: 62 Resp: 92733

Ion Ratio Lower Upper

62 100

64 33.1 23.1 42.9



#8

Chloroethane

Concen: 1.87 ug/L

RT: 1.32 min Scan# 135

Delta R.T. -0.28 min

Lab File: VV006445.D

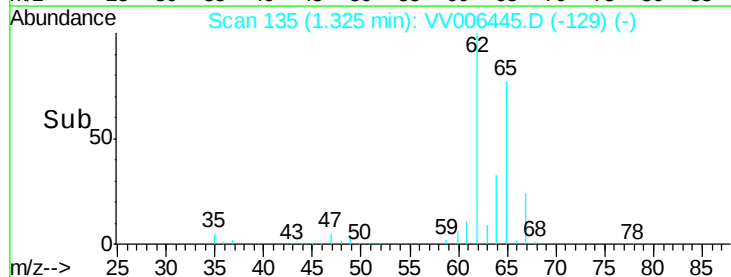
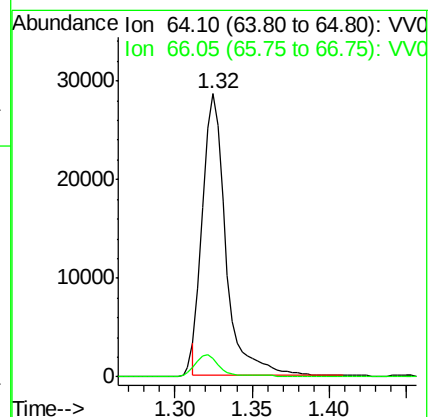
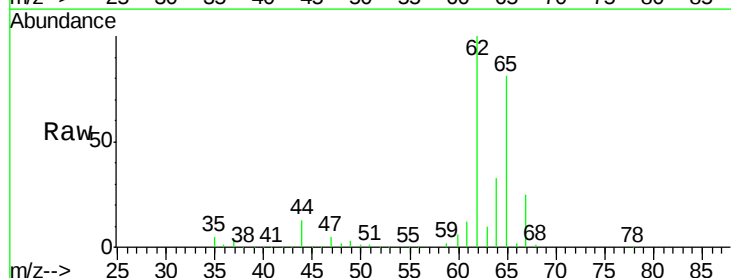
Acq: 25 Jun 2018 23:25

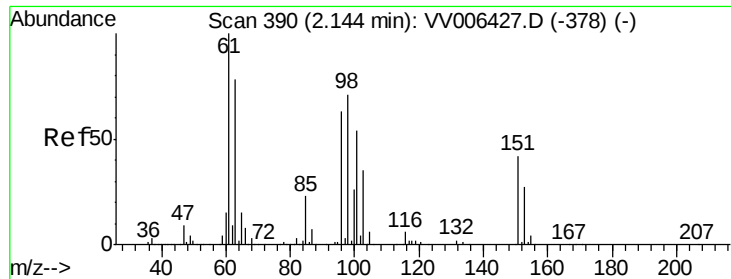
Tgt Ion: 64 Resp: 29981

Ion Ratio Lower Upper

64 100

66 6.6 22.8 42.4#





#12

1,1-Dichloroethene

Concen: 40.93 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV006445.D

Acq: 25 Jun 2018 23:25

Instrument :
MSVOA_V
ClientSampleId :

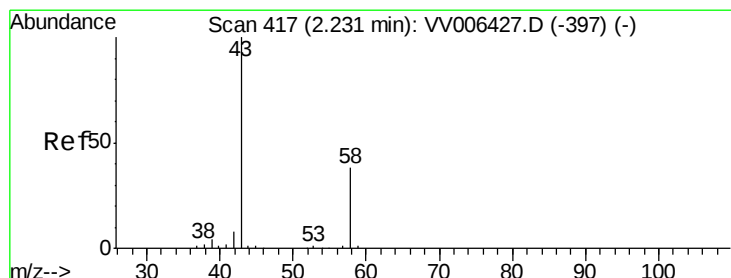
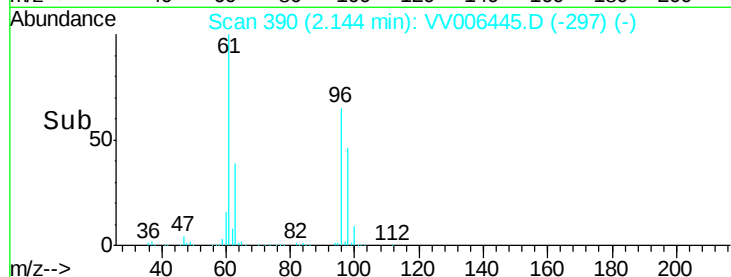
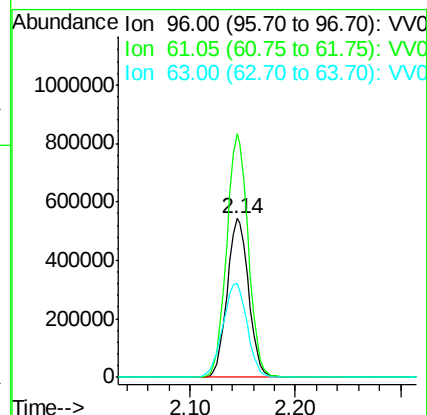
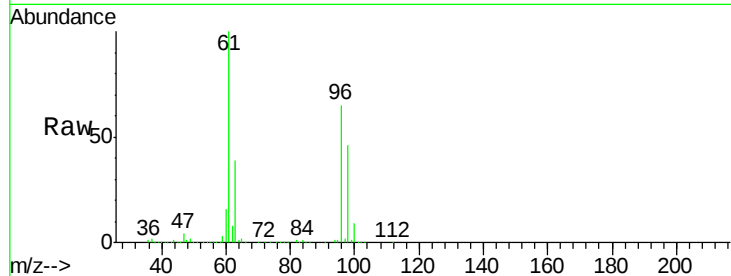
Tot Ion: 96 Resp: 765195

Ion Ratio Lower Upper

96 100

61 153.4 111.4 207.0

63 59.3 87.4 162.2#



#13

Acetone

Concen: 0.77 ug/L

RT: 2.23 min Scan# 416

Delta R.T. -0.00 min

Lab File: VV006445.D

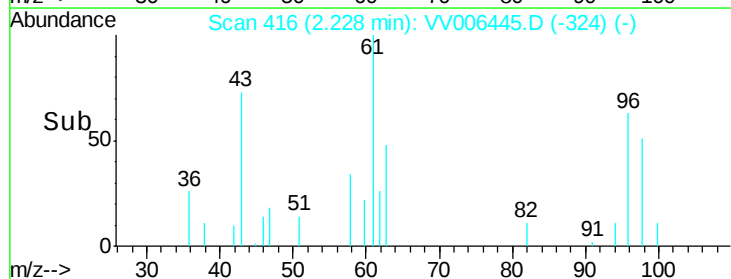
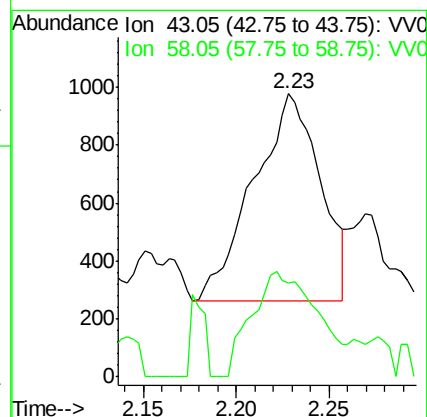
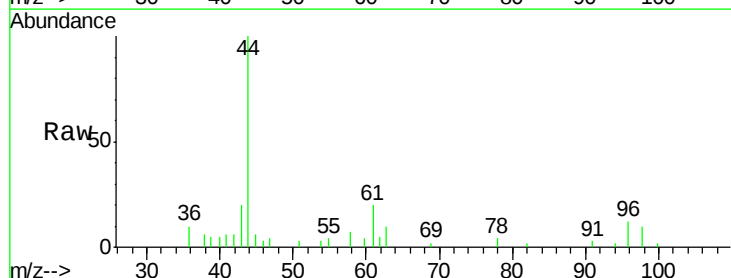
Acq: 25 Jun 2018 23:25

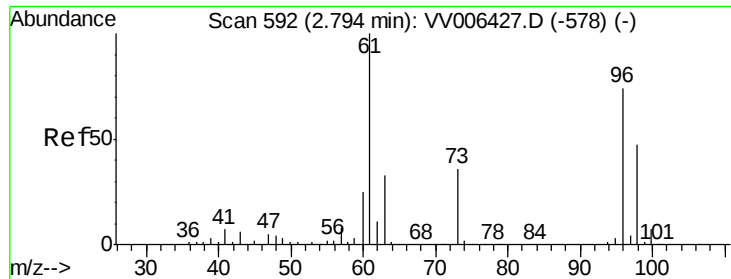
Tgt Ion: 43 Resp: 1793

Ion Ratio Lower Upper

43 100

58 50.5 0.0 77.4

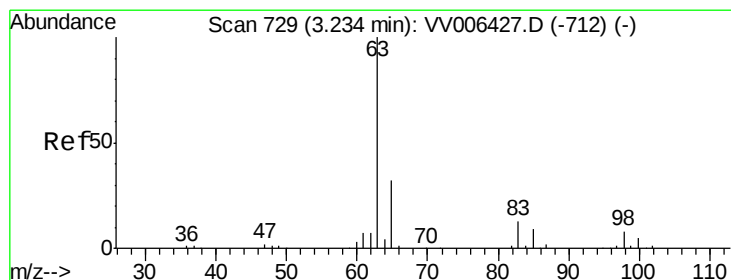
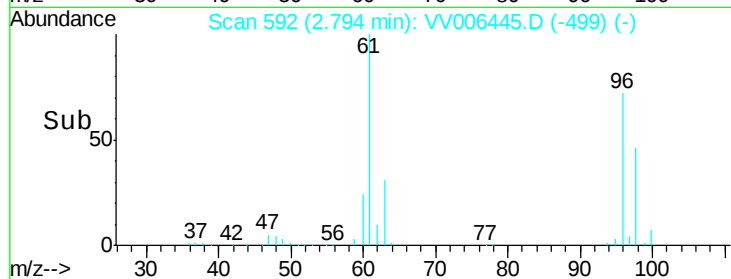
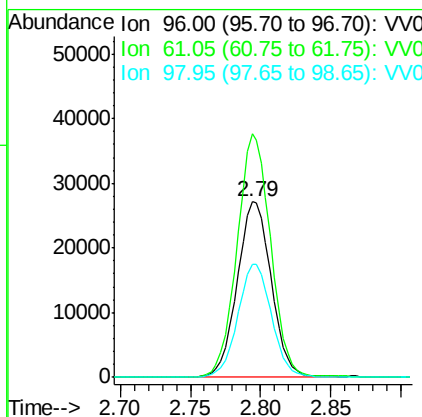
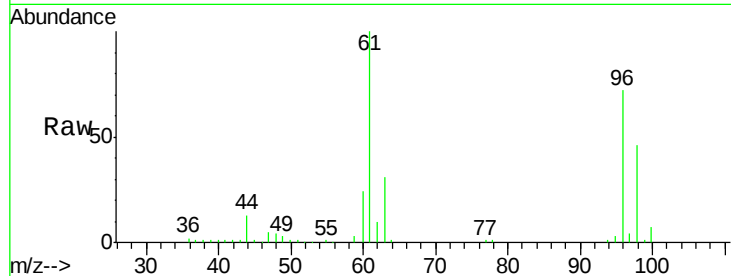




#18
 trans-1,2-Dichloroethene
 Concen: 2.25 ug/L
 RT: 2.79 min Scan# 592
 Delta R.T. 0.00 min
 Lab File: VV006445.D
 Acq: 25 Jun 2018 23:25

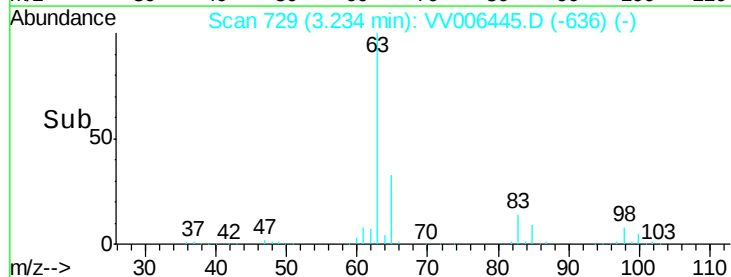
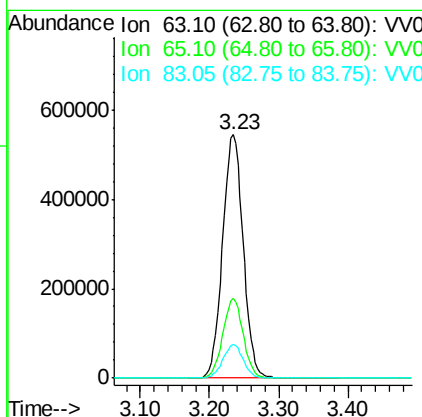
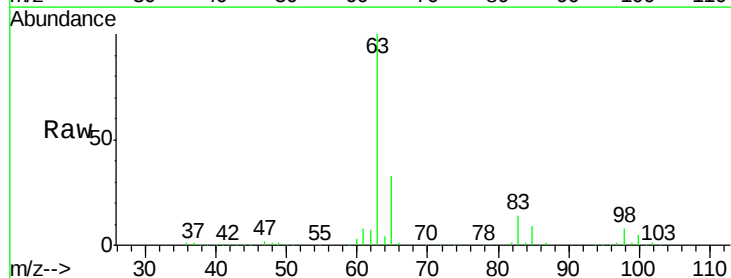
Instrument :
 MSVOA_V
 ClientSampleId :

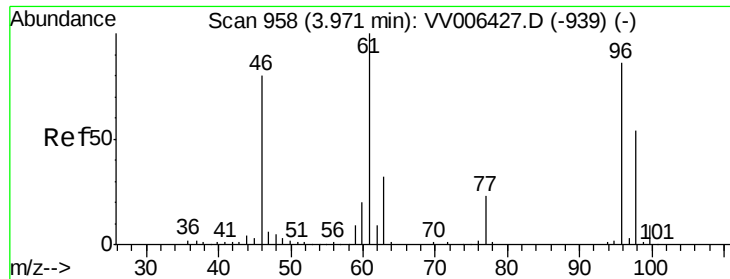
Tot Ion: 96 Resp: 46059
 Ion Ratio Lower Upper
 96 100
 61 138.7 94.4 175.2
 98 64.1 44.3 82.3



#19
 1,1-Dichloroethane
 Concen: 30.96 ug/L
 RT: 3.23 min Scan# 729
 Delta R.T. 0.00 min
 Lab File: VV006445.D
 Acq: 25 Jun 2018 23:25

Tgt Ion: 63 Resp: 1128739
 Ion Ratio Lower Upper
 63 100
 65 32.5 22.2 41.2
 83 13.7 9.2 17.2

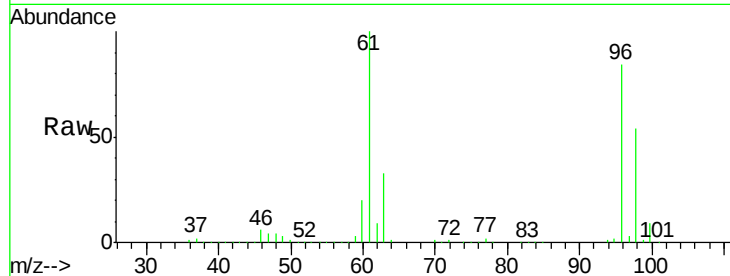




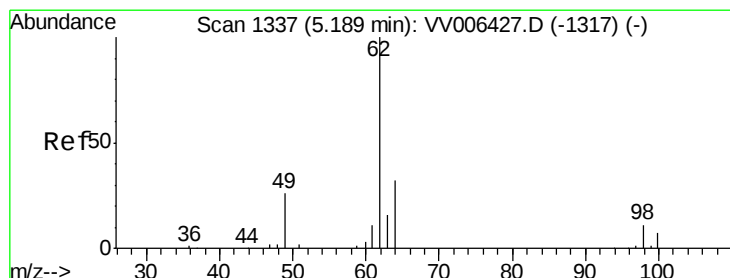
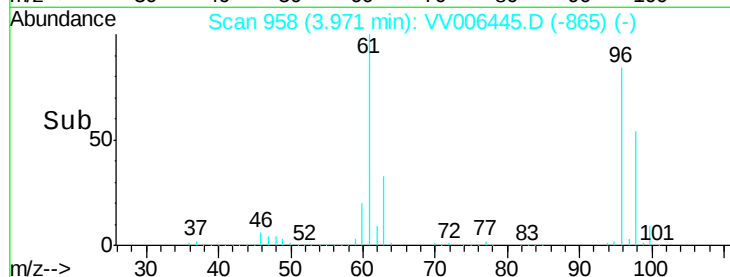
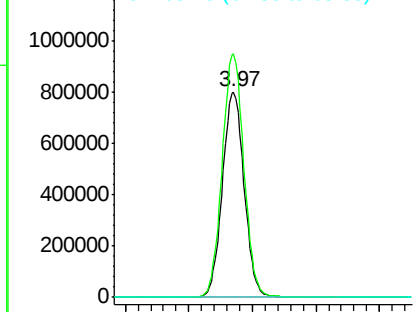
#22
 cis-1,2-Dichloroethene
 Concen: 84.62 ug/L
 RT: 3.97 min Scan# 958
 Delta R.T. 0.00 min
 Lab File: VV006445.D
 Acq: 25 Jun 2018 23:25

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 96 Resp: 1904303
 Ion Ratio Lower Upper
 96 100
 61 118.4 81.8 151.8
 68 0.0 0.0 0.0

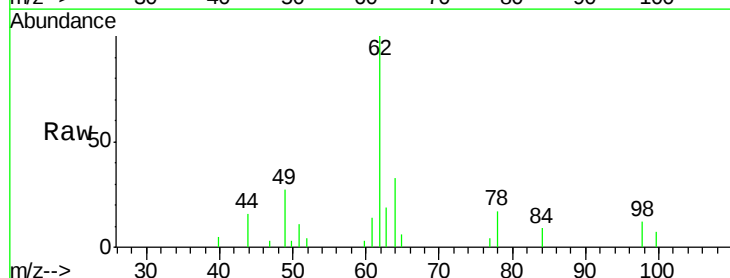


Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0

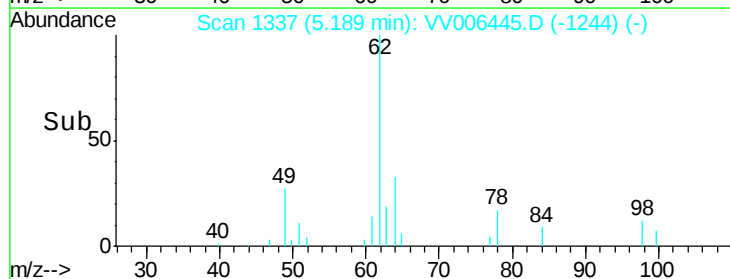
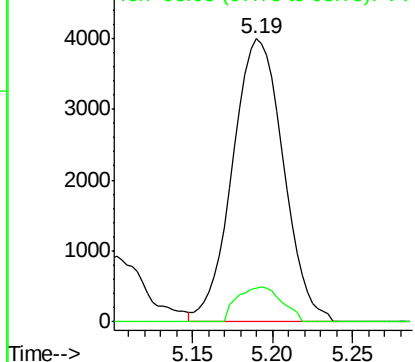


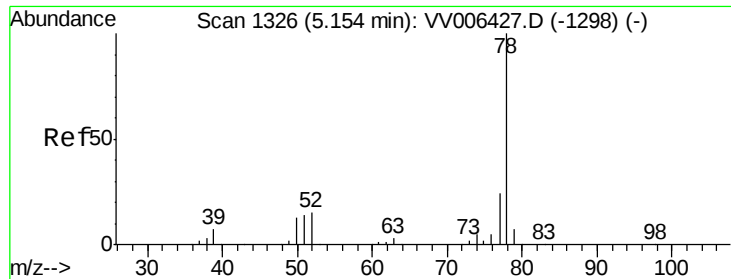
#27
 1,2-Dichloroethane
 Concen: 0.42 ug/L
 RT: 5.19 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VV006445.D
 Acq: 25 Jun 2018 23:25

Tgt Ion: 62 Resp: 8701
 Ion Ratio Lower Upper
 62 100
 98 12.1 8.8 13.2



Abundance Ion 62.00 (61.70 to 62.70): VV0
 Ion 98.05 (97.75 to 98.75): VV0





#33

Benzene

Concen: 0.24 ug/L

RT: 5.15 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VV006445.D

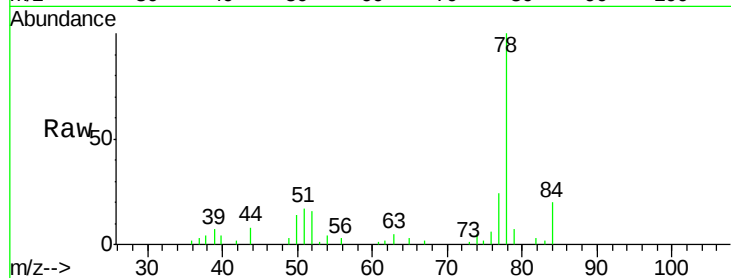
Acq: 25 Jun 2018 23:25

Instrument :

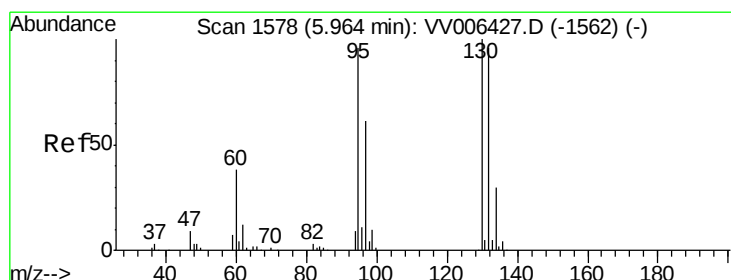
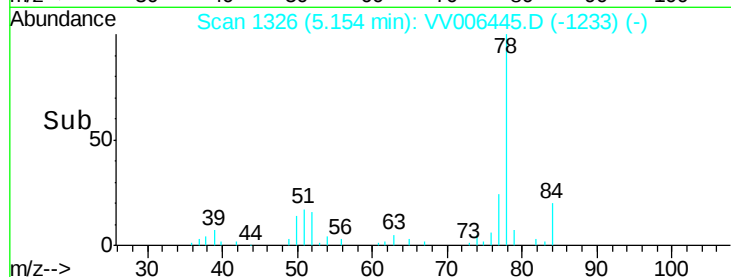
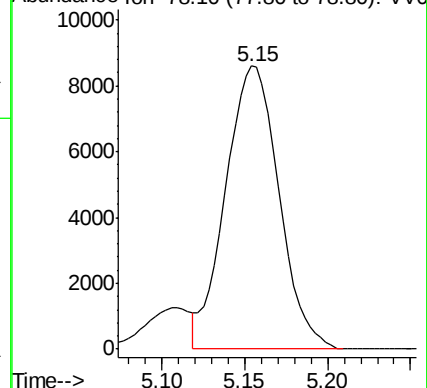
MSVOA_V

ClientSampleId :

Tgt Ion: 78 Resp: 19257



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 697.73 ug/L

RT: 5.97 min Scan# 1581

Delta R.T. 0.01 min

Lab File: VV006445.D

Acq: 25 Jun 2018 23:25

Tgt Ion: 95 Resp:16278683

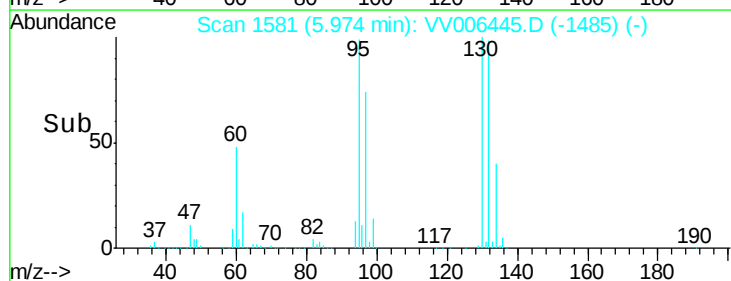
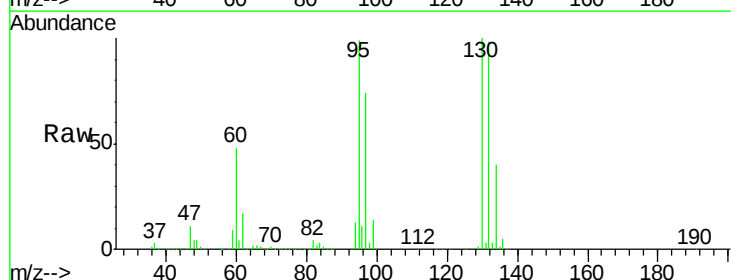
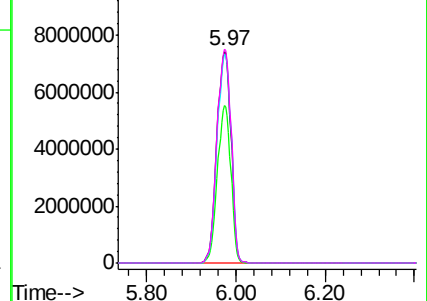
Ion	Ratio	Lower	Upper
95	100		
97	74.6	44.6	82.8
132	98.6	70.1	130.1
130	101.0	73.3	136.1

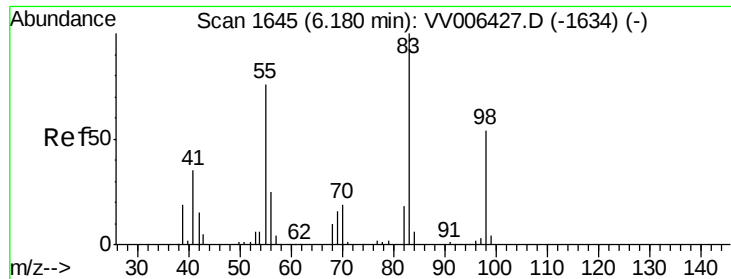
Abundance Ion 95.00 (94.70 to 95.70): VV0

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

Methvlcvclohexane

Concen: 0.76 ug/L

RT: 6.12 min Scan# 1628

Delta R.T. -0.05 min

Lab File: VV006445.D

Acq: 25 Jun 2018 23:25

Instrument :
MSVOA_V
ClientSampleId :

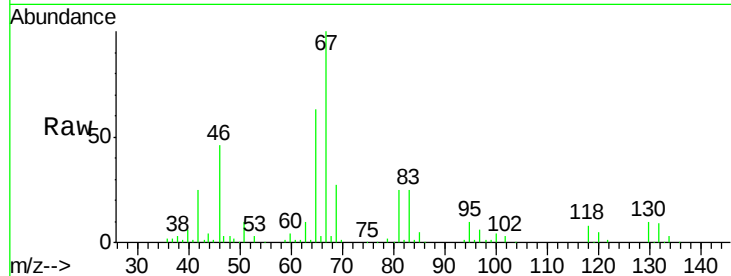
Tot Ion: 83 Resp: 25885

Ion Ratio Lower Upper

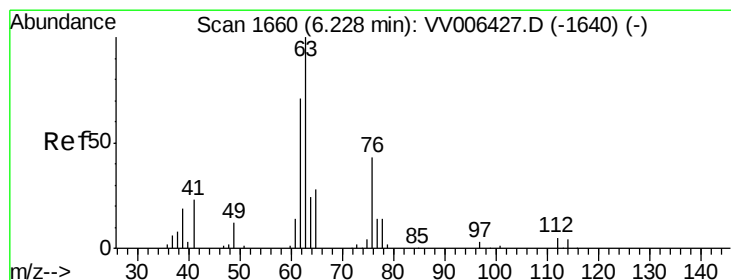
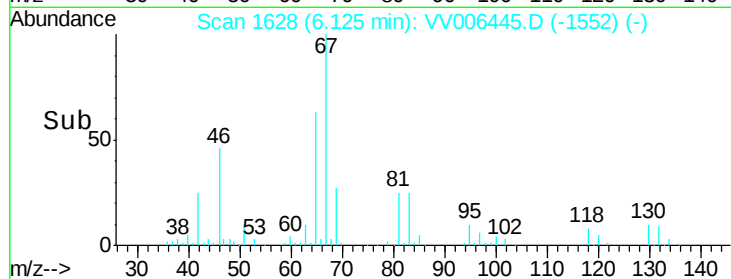
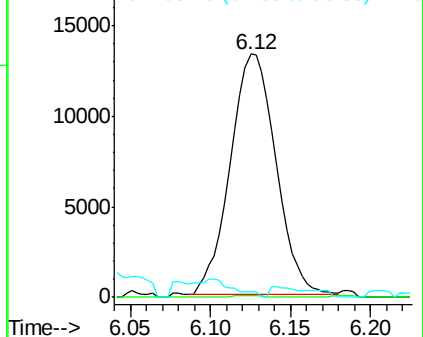
83 100

55 0.5 57.5 86.3#

98 1850.8 39.6 59.4#



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: 0.56 ug/L

RT: 6.12 min Scan# 1628

Delta R.T. -0.10 min

Lab File: VV006445.D

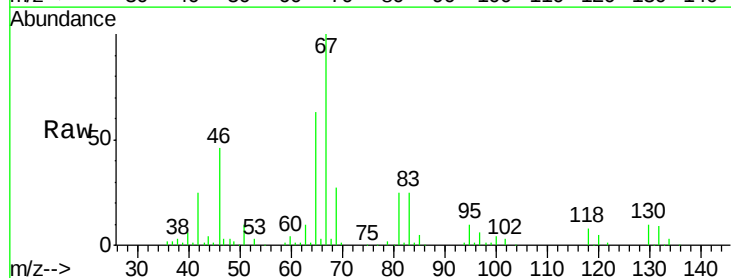
Acq: 25 Jun 2018 23:25

Tgt Ion: 63 Resp: 11108

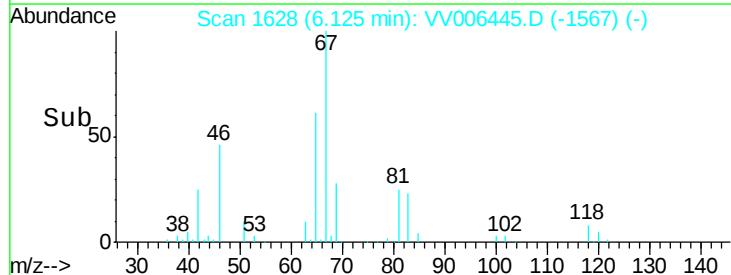
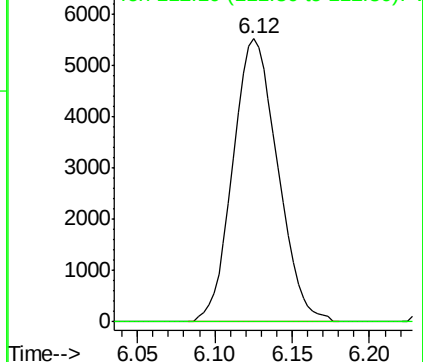
Ion Ratio Lower Upper

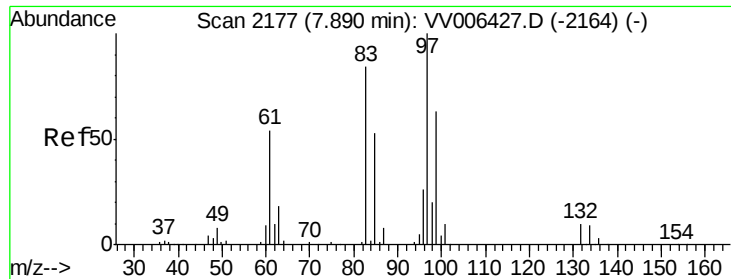
63 100

112 0.6 4.0 6.0#



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

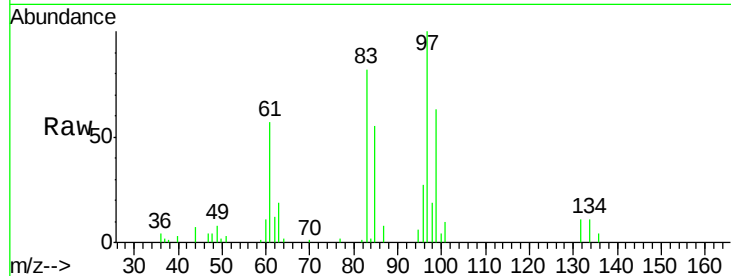




#45
 1,1,2-Trichloroethane
 Concen: 1.09 ug/L
 RT: 7.89 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VV006445.D
 Acq: 25 Jun 2018 23:25

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	15040
Ion	Ratio	Lower	Upper
97	100		
99	62.9	44.2	82.2
83	82.4	59.0	109.6
85	55.3	36.8	68.3

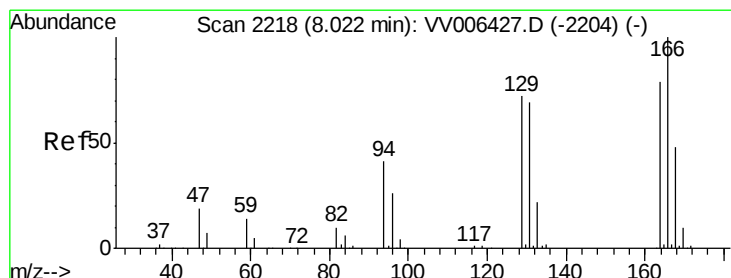
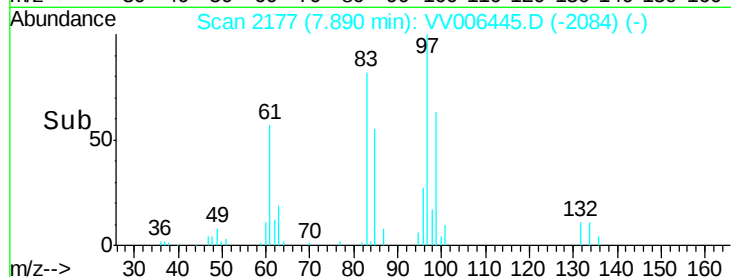
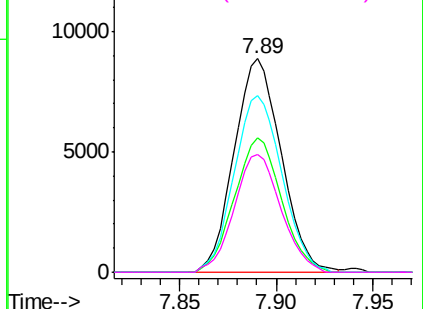


Abundance Ion 96.95 (96.65 to 97.65): VV006445.D (-2084) (-)

Ion 99.05 (98.75 to 99.75): VV006445.D (-2084) (-)

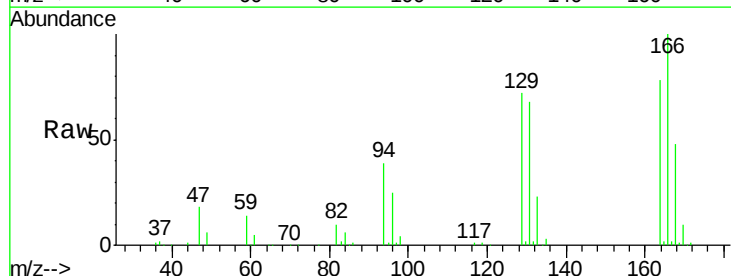
Ion 82.95 (82.65 to 83.65): VV006445.D (-2084) (-)

Ion 85.00 (84.70 to 85.70): VV006445.D (-2084) (-)



#47
 Tetrachloroethene
 Concen: 3.68 ug/L
 RT: 8.03 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VV006445.D
 Acq: 25 Jun 2018 23:25

Tgt Ion:	164	Resp:	64844
Ion	Ratio	Lower	Upper
164	100		
129	92.4	64.0	118.8
131	87.5	61.7	114.5
166	127.9	89.0	165.2

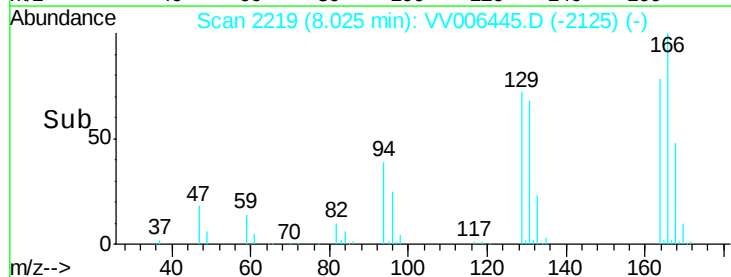
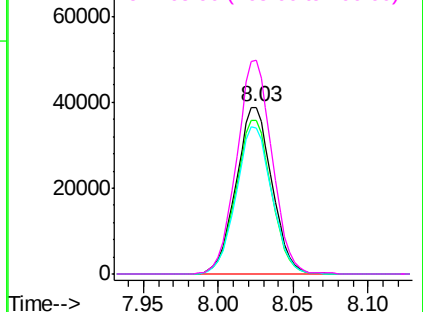


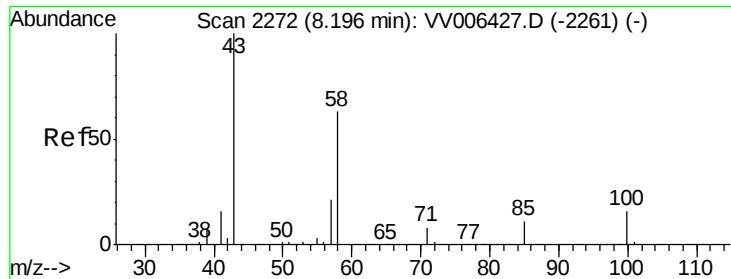
Abundance Ion 163.90 (163.60 to 164.60): VV006445.D (-2125) (-)

Ion 128.95 (128.65 to 129.65): VV006445.D (-2125) (-)

Ion 130.95 (130.65 to 131.65): VV006445.D (-2125) (-)

Ion 165.90 (165.60 to 166.60): VV006445.D (-2125) (-)

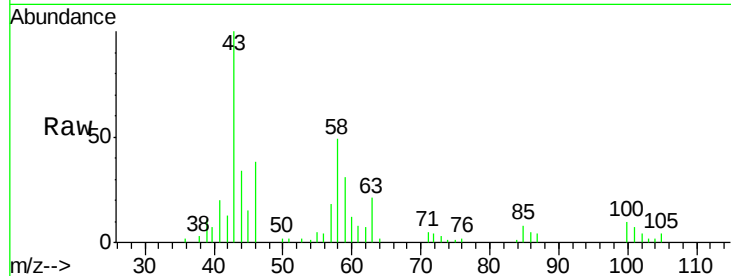




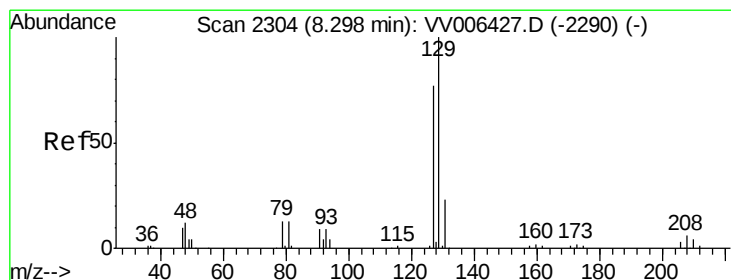
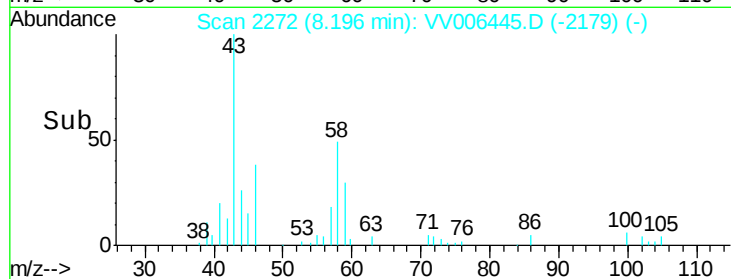
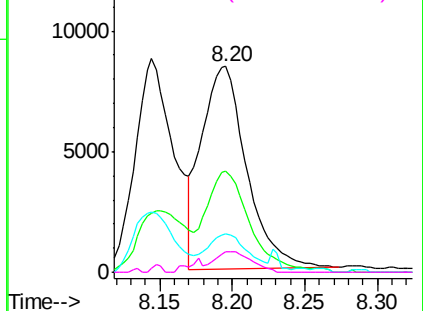
#48
2-Hexanone
Concen: 2.61 ug/L
RT: 8.20 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV006445.D
Acq: 25 Jun 2018 23:25

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 18206
Ion Ratio Lower Upper
43 100
58 48.5 49.9 74.9#
57 17.2 17.3 25.9#
100 7.8 12.5 18.7#

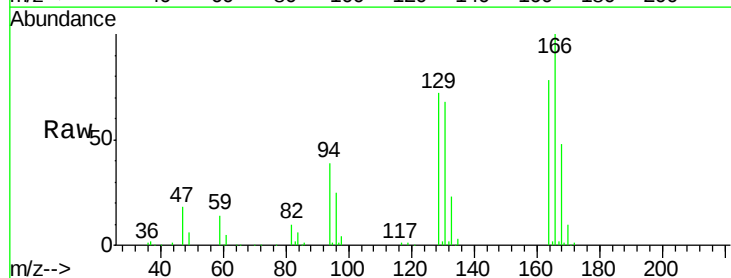


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0



#49
Dibromochloromethane
Concen: 3.75 ug/L
RT: 8.03 min Scan# 2219
Delta R.T. -0.27 min
Lab File: VV006445.D
Acq: 25 Jun 2018 23:25

Tgt Ion: 129 Resp: 55039
Ion Ratio Lower Upper
129 100
127 0.0 54.0 100.2#



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

