

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080718\
 Data File : VV006926.D
 Acq On : 08 Aug 2018 04:24
 Operator : SY/MD
 Sample : J4357-12MS
 Misc : 25 mL/MSVOA V/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 08 07:12:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR080718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Aug 08 07:06:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	208945	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	196537	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	76396	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	81256	6.49	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	129.80%
7) Chloroethane-d5	1.58	69	63714	5.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.00%
11) 1,1-Dichloroethene-d2	2.13	63	132463	5.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	102.80%
20) 2-Butanone-d5	3.97	46	236713	59.22	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.44%
24) Chloroform-d	4.41	84	141058	5.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.20%
26) 1,2-Dichloroethane-d4	5.09	65	78535	5.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.00%
32) Benzene-d6	5.10	84	273824	5.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	113.80%
36) 1,2-Dichloropropane-d6	6.12	67	96708	5.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	110.60%
41) Toluene-d8	7.37	98	207429	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.60%
43) trans-1,3-Dichloropropene-	7.67	79	26146	4.63	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.60%
46) 2-Hexanone-d5	8.15	63	122410	52.16	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.32%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	74000	5.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	112.80%
64) 1,2-Dichlorobenzene-d4	11.68	152	75912	6.14	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	122.80%#

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	1215922	61.908	ug/L	98
8) Chloroethane	1.61	64	135704	10.965	ug/L #	52
12) 1,1-Dichloroethene	2.14	96	61588	4.456	ug/L	91
13) Acetone	2.21	43	7211	2.764	ug/L	100
14) Carbon disulfide	2.35	76	22520	0.530	ug/L #	82
15) Methyl Acetate	2.36	43	13952	1.947	ug/L #	53
21) 2-Butanone	4.07	43	921	0.214	ug/L	91
22) cis-1,2-Dichloroethene	3.97	96	351729	23.424	ug/L	98
33) Benzene	5.15	78	290639	4.795	ug/L	100
34) Trichloroethene	5.96	95	75768	5.373	ug/L	97
35) Methylcyclohexane	6.12	83	22147	1.011	ug/L #	15
37) 1,2-Dichloropropane	6.12	63	10117	0.601	ug/L #	89
42) Toluene	7.44	91	260815	4.590	ug/L	99
47) Tetrachloroethene	8.03	164	6835	0.637	ug/L	95
48) 2-Hexanone	8.20	43	7570	1.151	ug/L #	85
49) Dibromochloromethane	8.03	129	6229	0.557	ug/L #	9
51) Chlorobenzene	8.93	112	177773	5.141	ug/L	99

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QLast Update : Wed Aug 08 07:06:57 2018
Response via : Initial Calibration

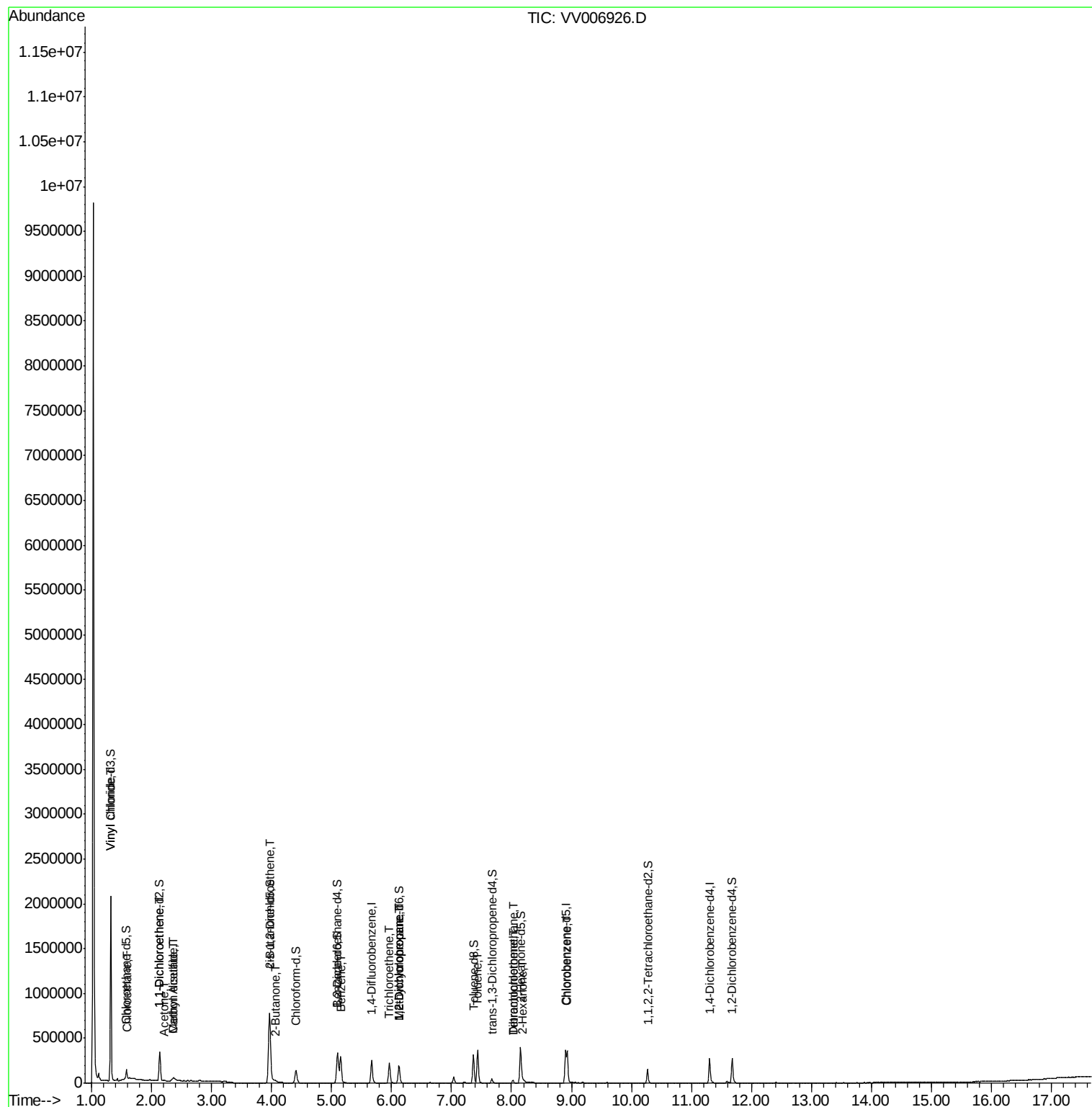
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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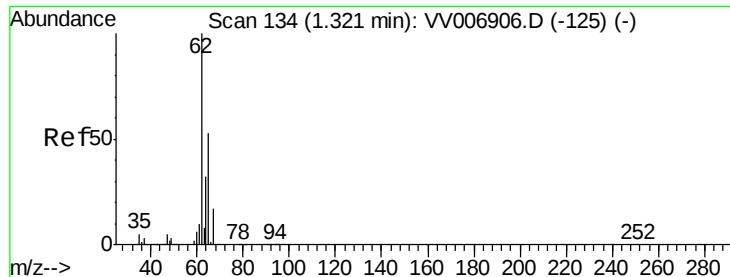
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Aug 08 07:06:57 2018
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 61.908 ug/L

RT: 1.32 min Scan# 134

Delta R.T. -0.00 min

Lab File: VV006926.D

Acq: 08 Aug 2018 04:24

Instrument :

MSVOA_V

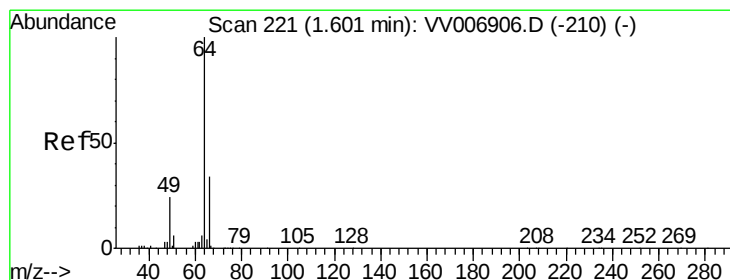
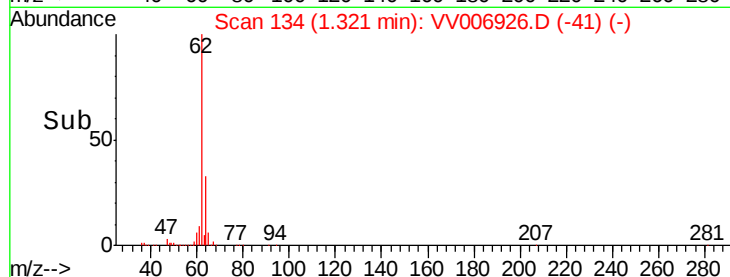
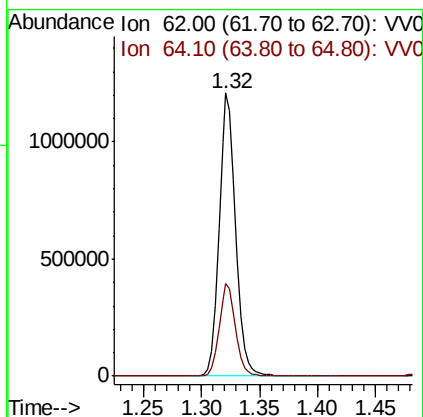
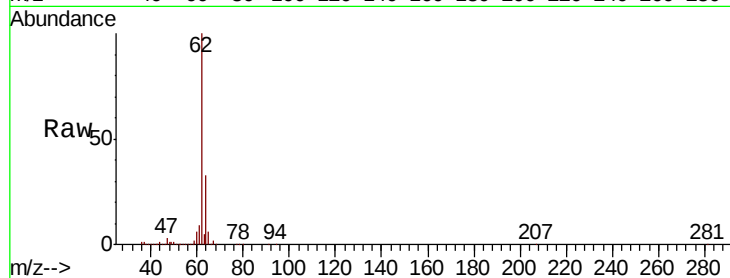
ClientSampleId :

Tot Ion: 62 Resp: 1215922

Ion Ratio Lower Upper

62 100

64 32.7 22.1 41.1



#8

Chloroethane

Concen: 10.965 ug/L

RT: 1.61 min Scan# 223

Delta R.T. 0.01 min

Lab File: VV006926.D

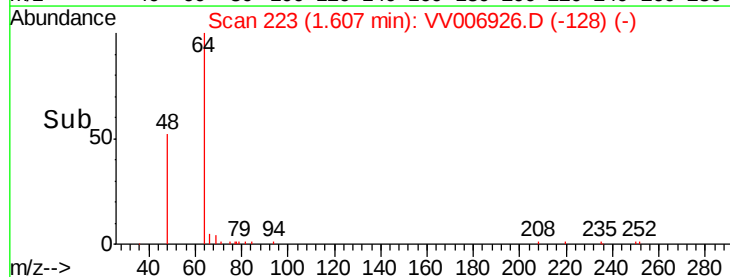
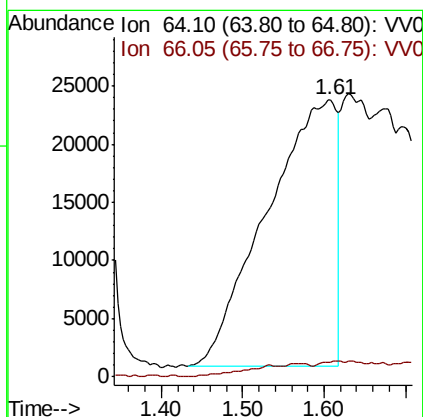
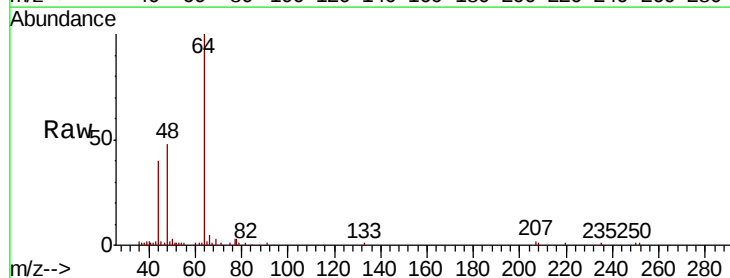
Acq: 08 Aug 2018 04:24

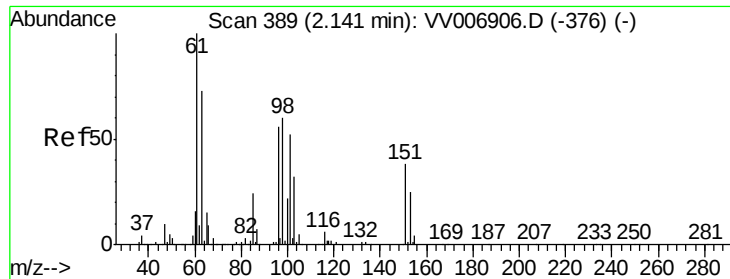
Tgt Ion: 64 Resp: 135704

Ion Ratio Lower Upper

64 100

66 5.4 22.6 42.0#

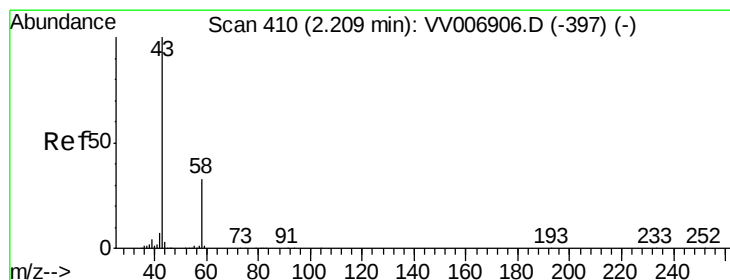
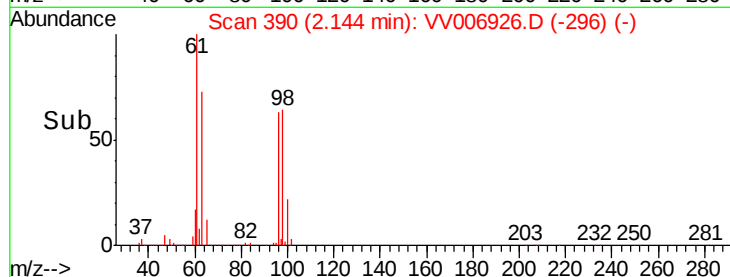
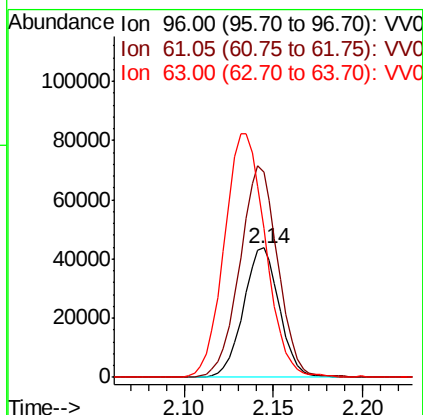
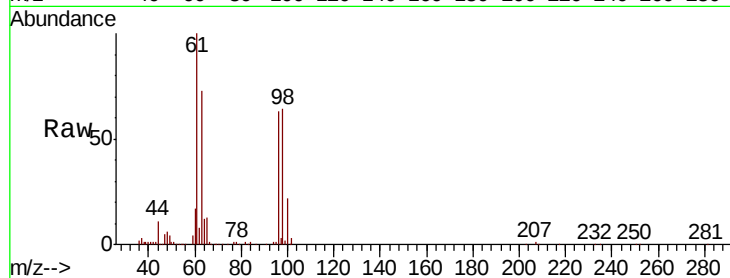




#12
 1,1-Dichloroethene
 Concen: 4.456 ug/L
 RT: 2.14 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VV006926.D
 Acq: 08 Aug 2018 04:24

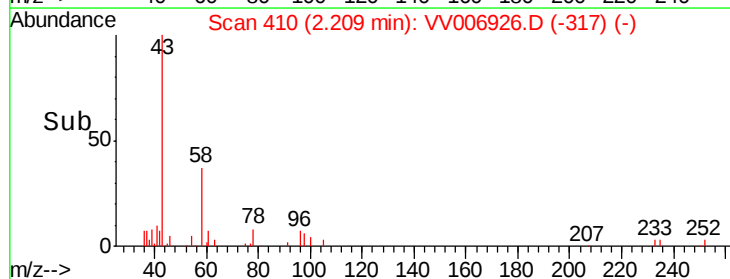
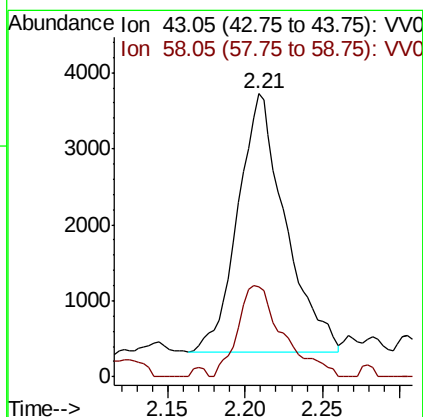
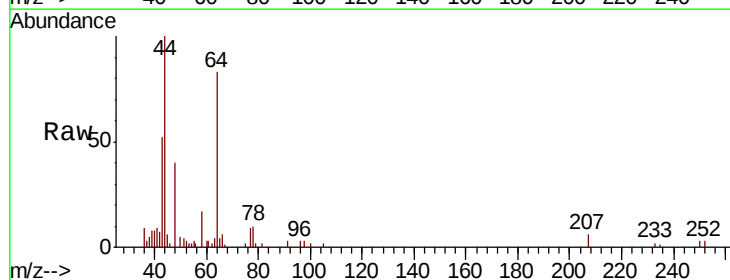
Instrument :
 MSVOA_V
 ClientSampled :

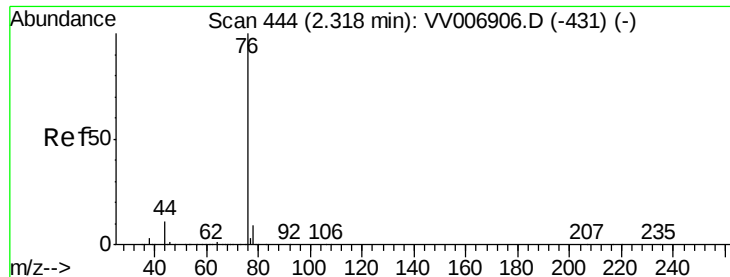
Tot Ion: 96 Resp: 61588
 Ion Ratio Lower Upper
 96 100
 61 158.2 119.0 221.0
 63 115.5 73.6 136.6



#13
 Acetone
 Concen: 2.764 ug/L
 RT: 2.21 min Scan# 410
 Delta R.T. -0.00 min
 Lab File: VV006926.D
 Acq: 08 Aug 2018 04:24

Tgt Ion: 43 Resp: 7211
 Ion Ratio Lower Upper
 43 100
 58 34.0 0.0 68.0





#14

Carbon disulfide

Concen: 0.530 ug/L

RT: 2.35 min Scan# 454

Delta R.T. 0.03 min

Lab File: VV006926.D

Acq: 08 Aug 2018 04:24

Instrument :

MSVOA_V

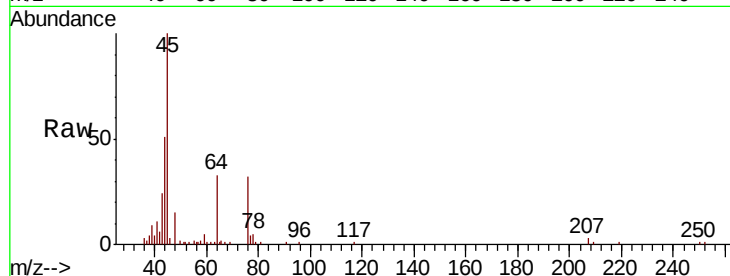
ClientSampleId :

Tot Ion: 76 Resp: 22520

Ion Ratio Lower Upper

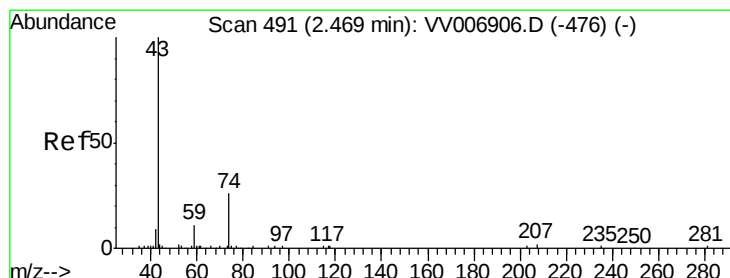
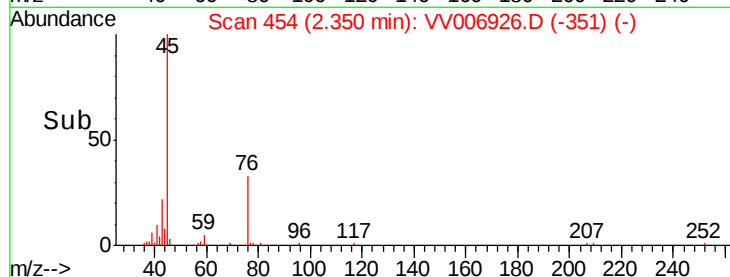
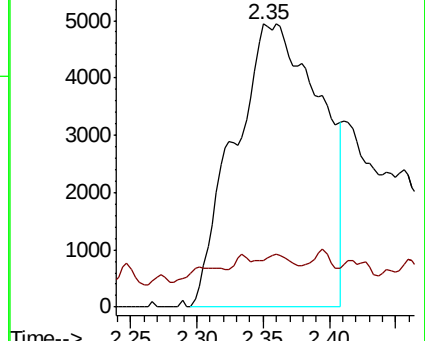
76 100

78 16.5 7.8 11.6#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0



#15

Methyl Acetate

Concen: 1.947 ug/L

RT: 2.36 min Scan# 458

Delta R.T. -0.11 min

Lab File: VV006926.D

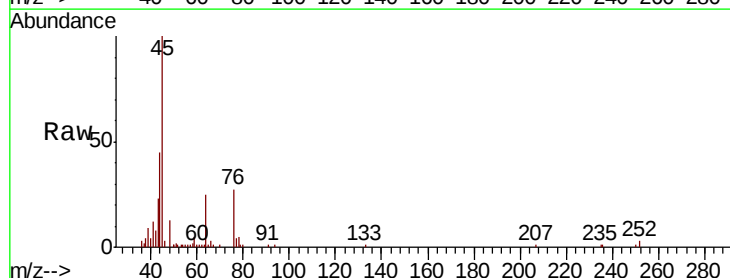
Acq: 08 Aug 2018 04:24

Tgt Ion: 43 Resp: 13952

Ion Ratio Lower Upper

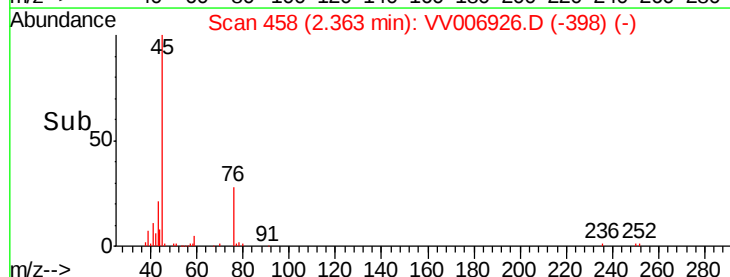
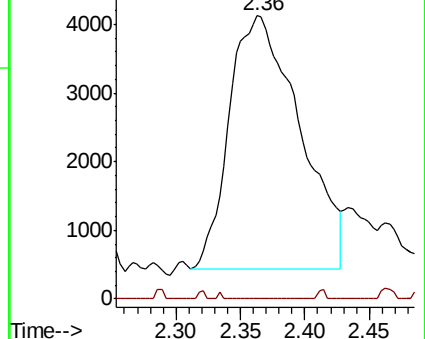
43 100

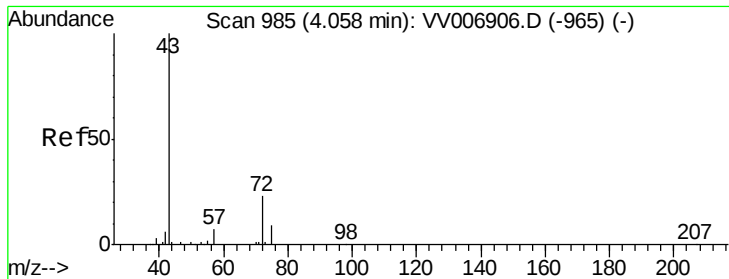
74 0.2 18.6 27.8#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0





#21

2-Butanone

Concen: 0.214 ug/L

RT: 4.07 min Scan# 990

Delta R.T. 0.02 min

Lab File: VV006926.D

Acq: 08 Aug 2018 04:24

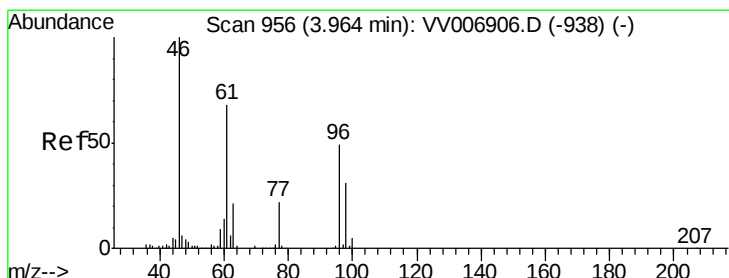
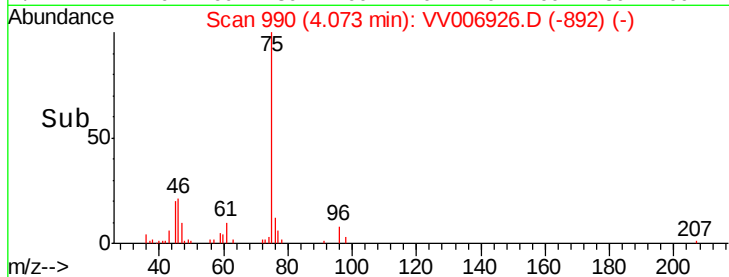
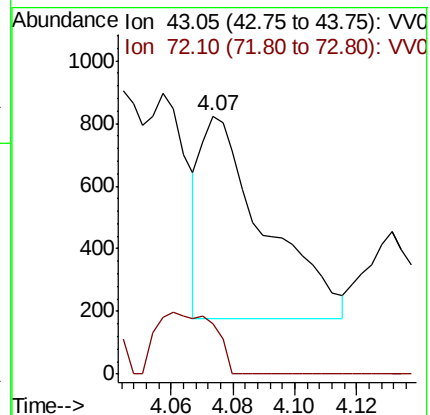
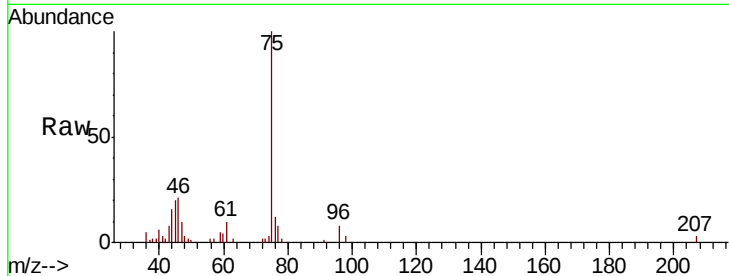
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 921

Ion Ratio Lower Upper

43 100

72 27.9 11.9 35.5



#22

cis-1,2-Dichloroethene

Concen: 23.424 ug/L

RT: 3.97 min Scan# 957

Delta R.T. 0.00 min

Lab File: VV006926.D

Acq: 08 Aug 2018 04:24

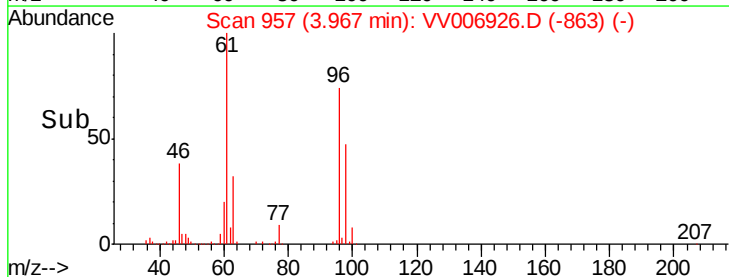
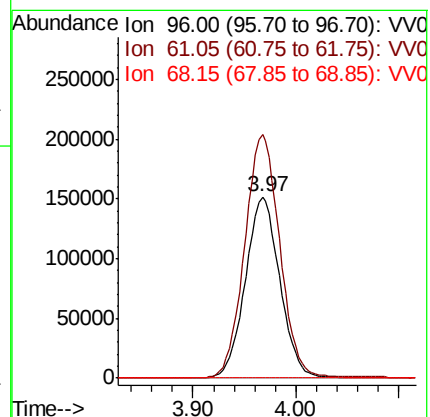
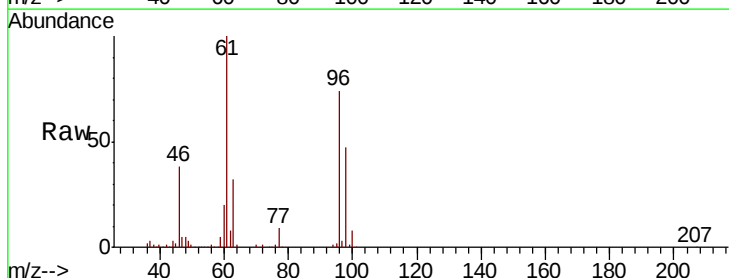
Tgt Ion: 96 Resp: 351729

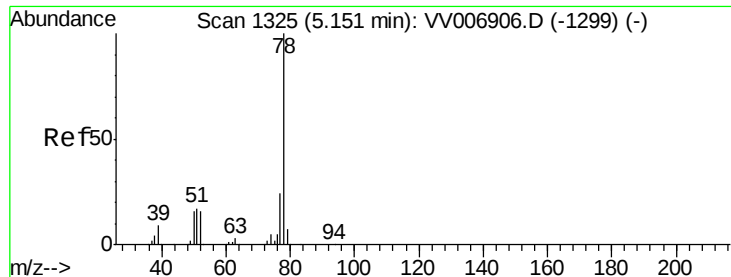
Ion Ratio Lower Upper

96 100

61 134.5 95.5 177.4

68 0.0 0.0 0.0

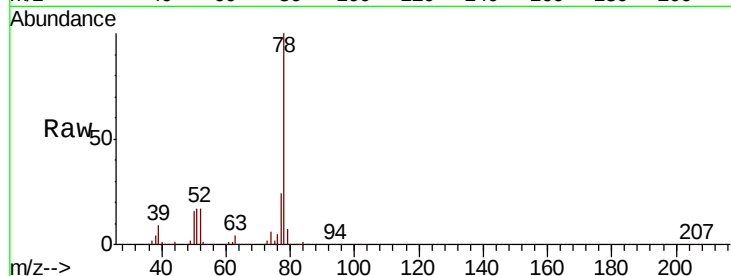




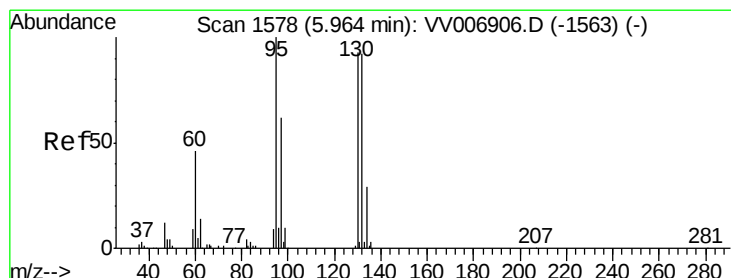
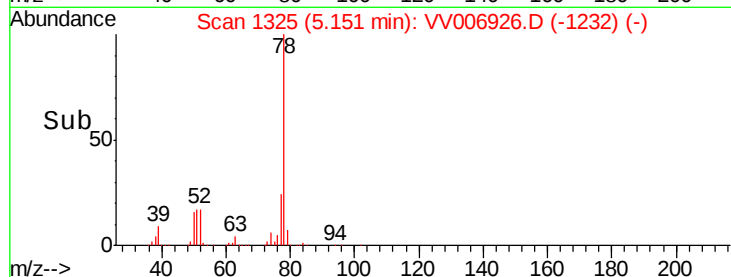
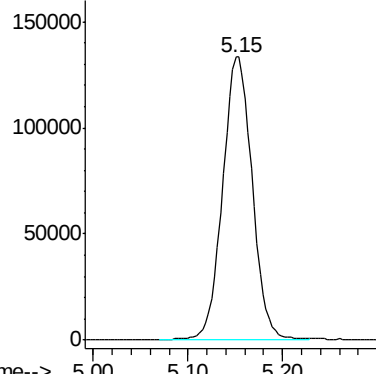
#33
Benzene
Concen: 4.795 ug/L
RT: 5.15 min Scan# 1325
Delta R.T. -0.00 min
Lab File: VV006926.D
Acq: 08 Aug 2018 04:24

Instrument :
MSVOA_V
ClientSampled :

Tgt Ion: 78 Resp: 290639



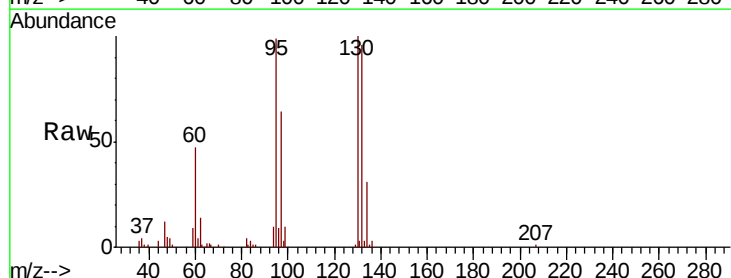
Abundance Ion 78.10 (77.80 to 78.80): VV0



#34
Trichloroethene
Concen: 5.373 ug/L
RT: 5.96 min Scan# 1578
Delta R.T. -0.00 min
Lab File: VV006926.D
Acq: 08 Aug 2018 04:24

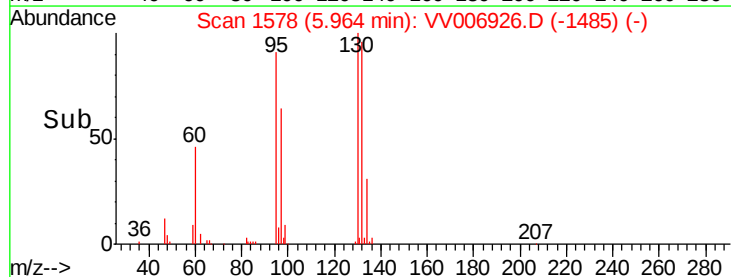
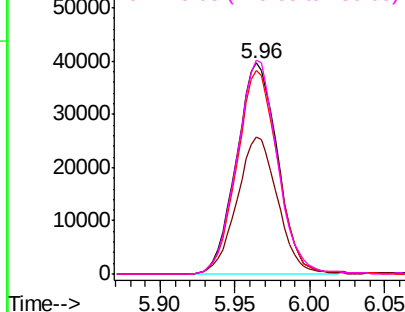
Tgt Ion: 95 Resp: 75768

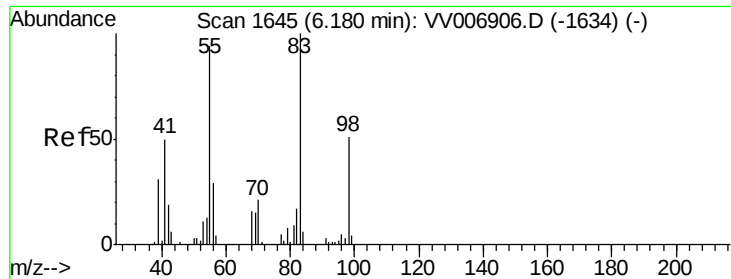
Ion	Ratio	Lower	Upper
95	100		
97	64.6	44.4	82.4
132	96.7	65.6	121.8
130	101.2	68.8	127.8



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

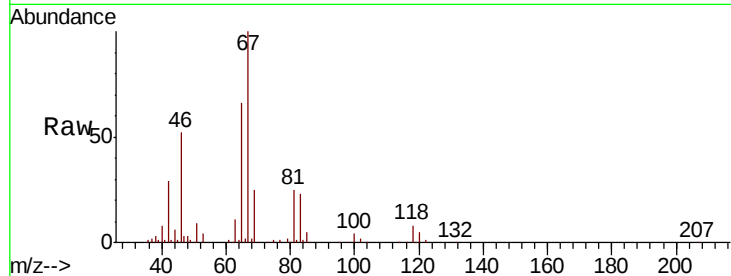




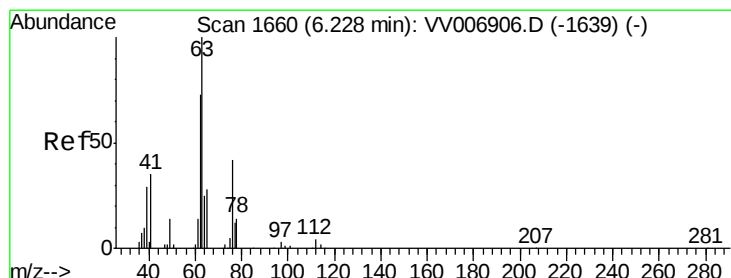
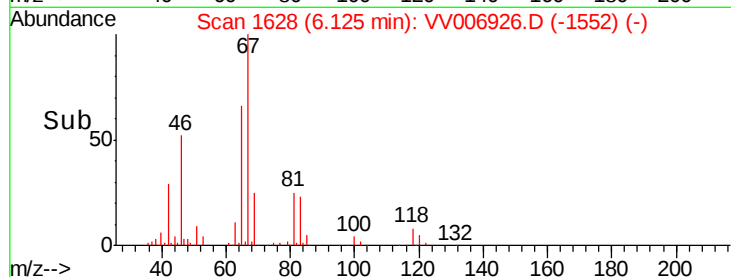
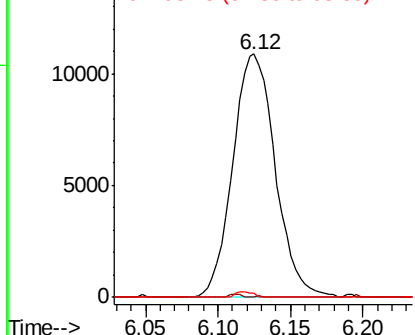
#35
Methvlcvclohexane
Concen: 1.011 ug/L
RT: 6.12 min Scan# 1628
Delta R.T. -0.05 min
Lab File: VV006926.D
Acq: 08 Aug 2018 04:24

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 22147
Ion Ratio Lower Upper
83 100
55 0.1 69.8 104.8#
98 0.9 36.4 54.6#

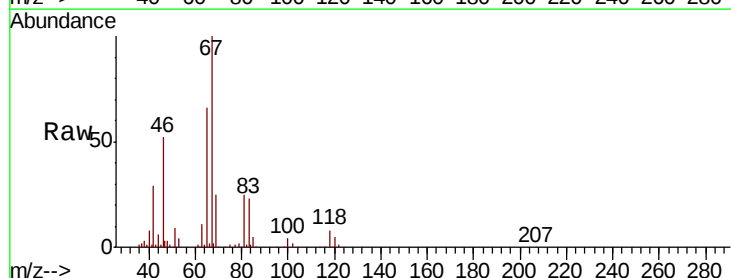


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

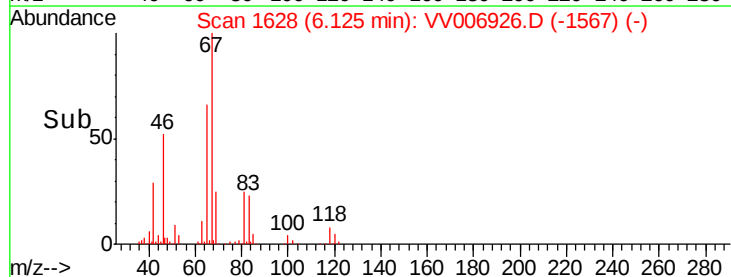
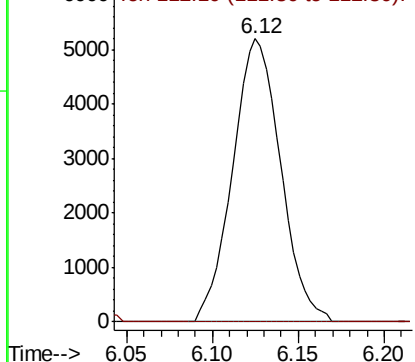


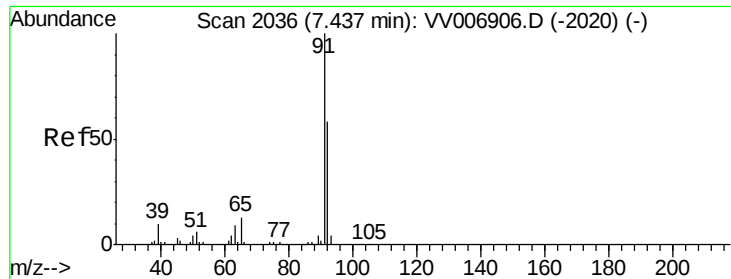
#37
1,2-Dichloropropane
Concen: 0.601 ug/L
RT: 6.12 min Scan# 1628
Delta R.T. -0.10 min
Lab File: VV006926.D
Acq: 08 Aug 2018 04:24

Tgt Ion: 63 Resp: 10117
Ion Ratio Lower Upper
63 100
112 0.7 3.5 5.3#



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





#42

Toluene

Concen: 4.590 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VV006926.D

Acq: 08 Aug 2018 04:24

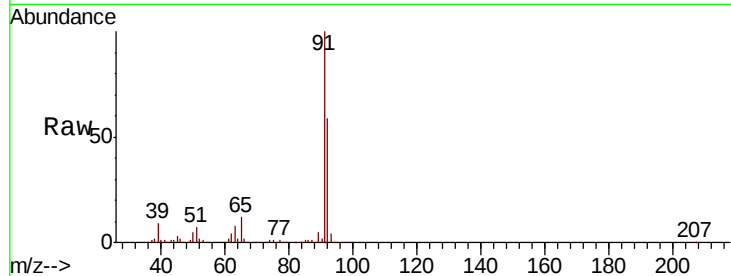
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 260815

Ion Ratio Lower Upper

91 100

92 59.1 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VV006926.D (-1943) (-)

Ion 92.15 (91.85 to 92.85): VV006926.D (-1943) (-)

7.44

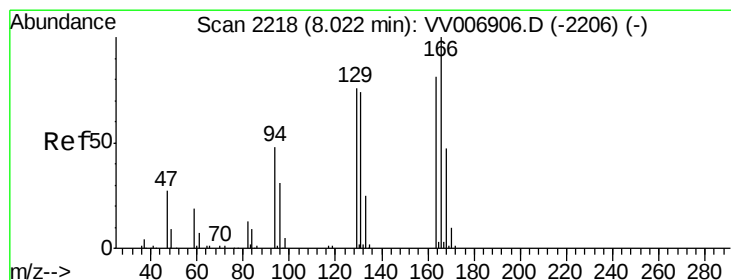
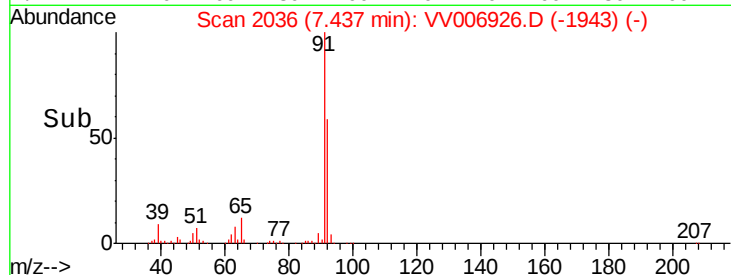
150000

100000

50000

0

Time-->



#47

Tetrachloroethene

Concen: 0.637 ug/L

RT: 8.03 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VV006926.D

Acq: 08 Aug 2018 04:24

Tgt Ion:164 Resp: 6835

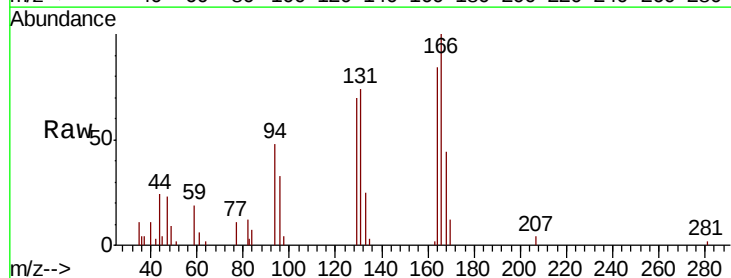
Ion Ratio Lower Upper

164 100

129 82.9 63.1 117.3

131 88.1 62.3 115.7

166 118.9 87.4 162.4



Abundance Ion 163.90 (163.60 to 164.60): VV006926.D (-2125) (-)

Ion 128.95 (128.65 to 129.65): VV006926.D (-2125) (-)

Ion 130.95 (130.65 to 131.65): VV006926.D (-2125) (-)

Ion 165.90 (165.60 to 166.60): VV006926.D (-2125) (-)

8000

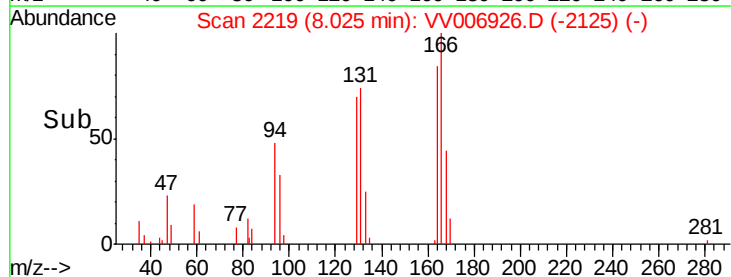
6000

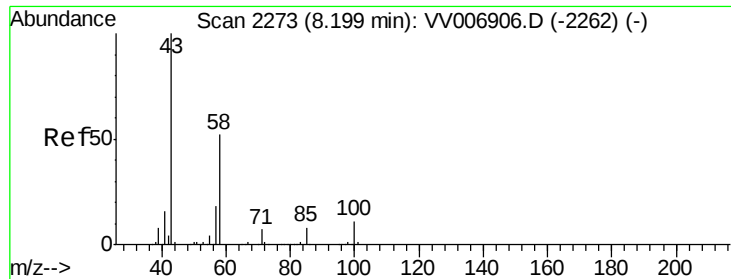
4000

2000

0

Time-->

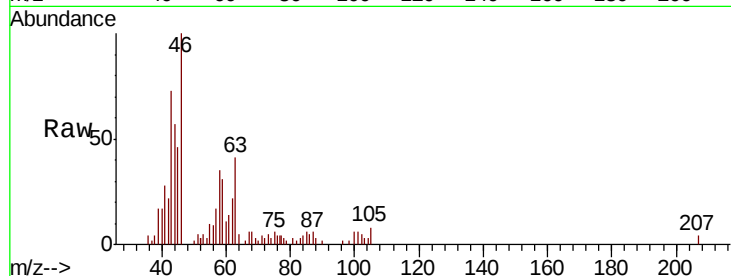




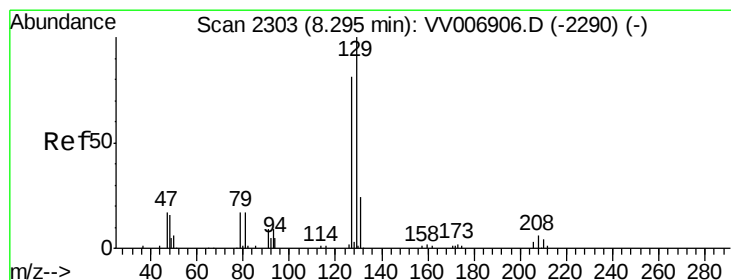
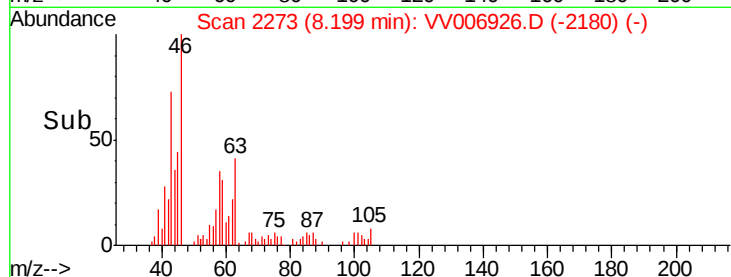
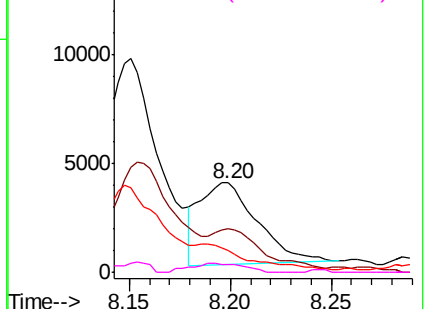
#48
2-Hexanone
Concen: 1.151 ug/L
RT: 8.20 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VV006926.D
Acq: 08 Aug 2018 04:24

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 7570
Ion Ratio Lower Upper
43 100
58 46.3 42.0 63.0
57 0.0 14.1 21.1#
100 9.5 8.1 12.1

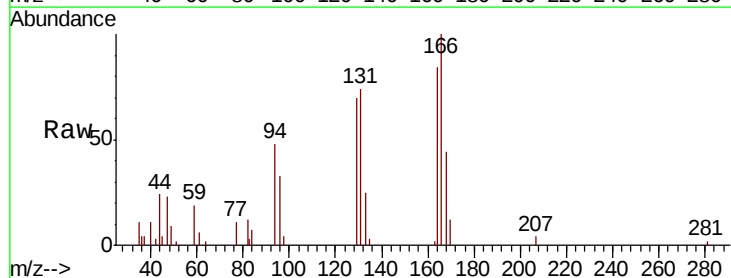


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

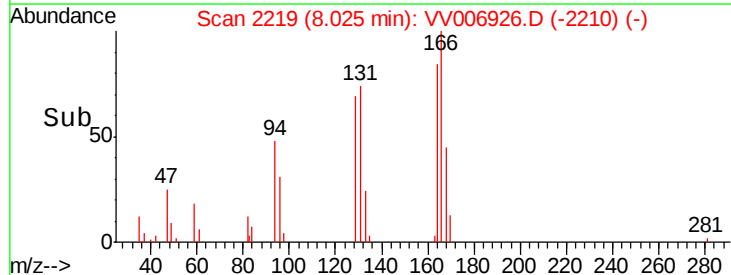
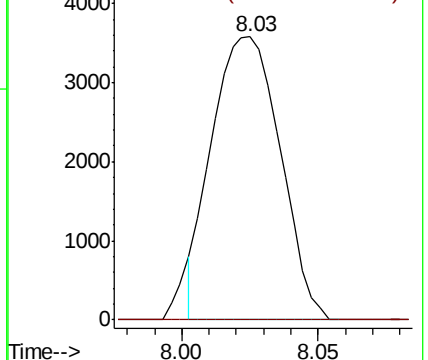


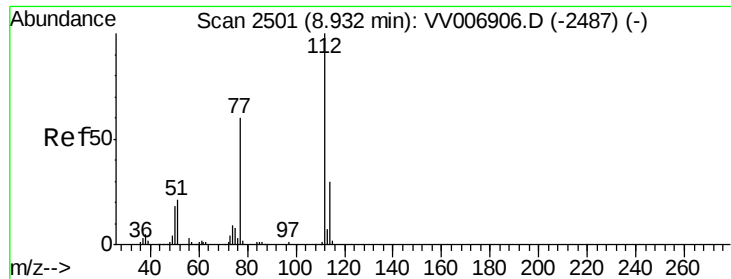
#49
Dibromochloromethane
Concen: 0.557 ug/L
RT: 8.03 min Scan# 2219
Delta R.T. -0.27 min
Lab File: VV006926.D
Acq: 08 Aug 2018 04:24

Tgt Ion: 129 Resp: 6229
Ion Ratio Lower Upper
129 100
127 0.0 57.0 105.8#



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

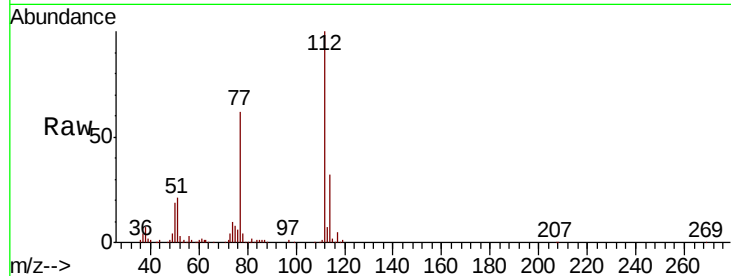




#51
 Chlorobenzene
 Concen: 5.141 ug/L
 RT: 8.93 min Scan# 2501
 Delta R.T. -0.00 min
 Lab File: VV006926.D
 Acq: 08 Aug 2018 04:24

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.3	22.6	42.0
77	62.1	50.4	75.6



Abundance

Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0

