

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080818\
 Data File : VV006939.D
 Acq On : 08 Aug 2018 17:38
 Operator : SY/MD
 Sample : J4357-11
 Misc : 25 mL/MSVOA V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 09 07:08:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR080718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Aug 09 07:05:51 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	207378	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	199920	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	79436	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	62841	5.05	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.00%
7) Chloroethane-d5	1.58	69	54925	4.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.20%
11) 1,1-Dichloroethene-d2	2.13	63	81595	3.19	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.80%
20) 2-Butanone-d5	3.97	46	236139	59.52	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	119.04%
24) Chloroform-d	4.41	84	136333	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.40%
26) 1,2-Dichloroethane-d4	5.09	65	75550	5.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.60%
32) Benzene-d6	5.10	84	249582	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.00%
36) 1,2-Dichloropropane-d6	6.12	67	90781	5.10	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.00%
41) Toluene-d8	7.36	98	180744	4.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.40%
43) trans-1,3-Dichloropropene-	7.67	79	26881	4.68	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.60%
46) 2-Hexanone-d5	8.15	63	124722	52.24	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.48%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	72213	5.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.20%
64) 1,2-Dichlorobenzene-d4	11.68	152	70295	5.47	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.40%

Target Compounds

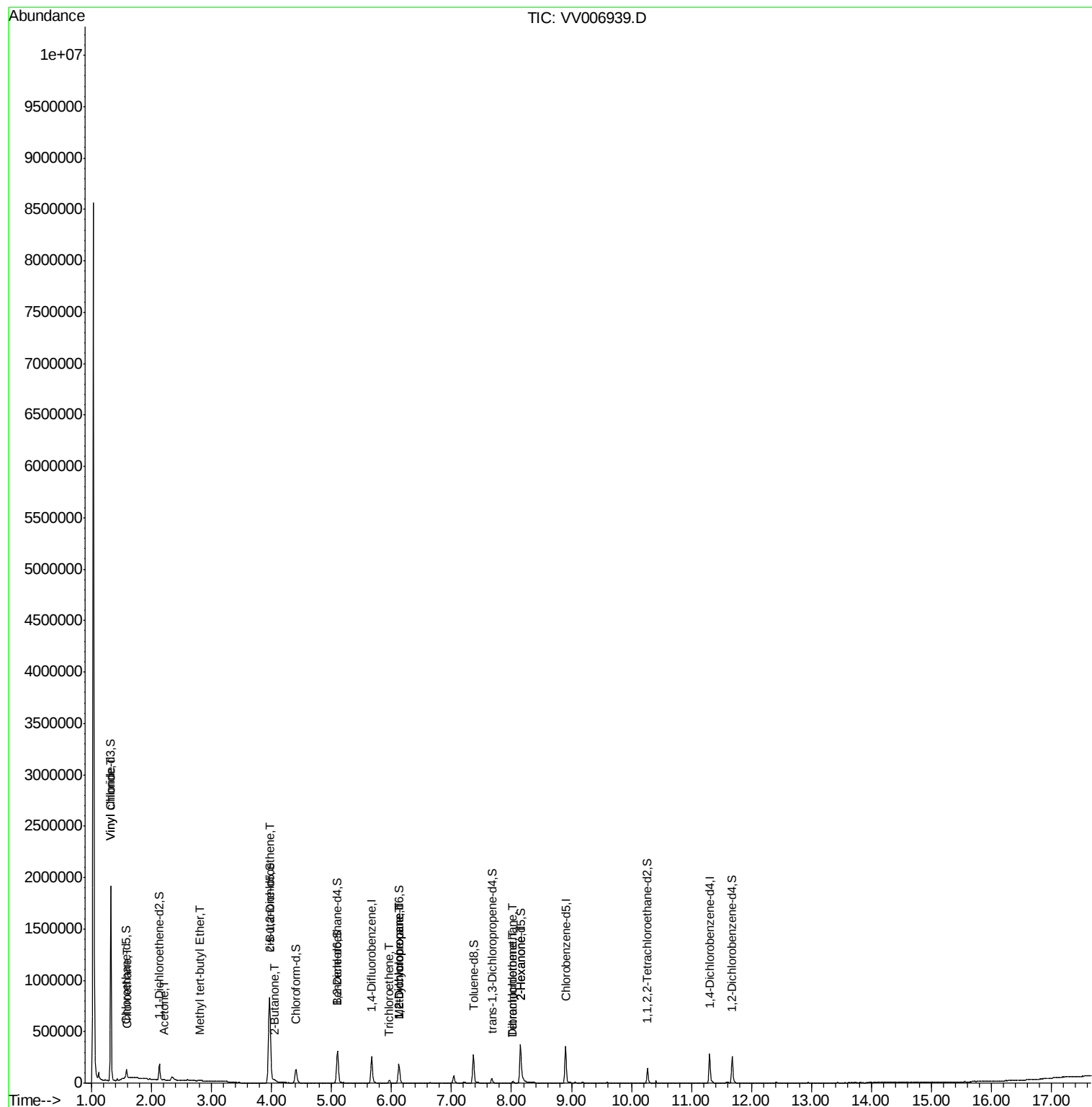
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	1142505	58.610	ug/L	99
8) Chloroethane	1.60	64	184167	14.993	ug/L #	51
13) Acetone	2.21	43	7524	2.905	ug/L	95
17) Methyl tert-butyl Ether	2.81	73	7523	0.211	ug/L #	84
21) 2-Butanone	4.05	43	1894	0.444	ug/L #	63
22) cis-1,2-Dichloroethene	3.97	96	388497	26.068	ug/L	99
34) Trichloroethene	5.96	95	6958	0.485	ug/L	97
35) Methylcyclohexane	6.12	83	21116	0.948	ug/L #	15
37) 1,2-Dichloropropane	6.13	63	9425	0.550	ug/L #	87
47) Tetrachloroethene	8.02	164	2931	0.269	ug/L	97
48) 2-Hexanone	8.15	43	17306	2.586	ug/L #	76
49) Dibromochloromethane	8.03	129	2730	0.240	ug/L #	9

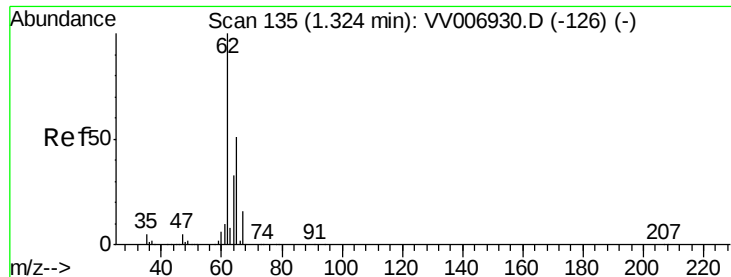
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Aug 09 07:05:51 2018
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 58.610 ug/L

RT: 1.32 min Scan# 134

Delta R.T. -0.00 min

Lab File: VV006939.D

Acq: 08 Aug 2018 17:38

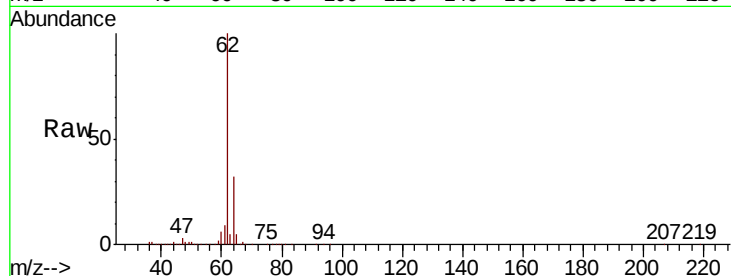
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 1142505

Ion Ratio Lower Upper

62 100

64 32.2 22.1 41.1



Abundance Ion 62.00 (61.70 to 62.70): VV006939.D (-126) (-)

Ion 64.10 (63.80 to 64.80): VV006939.D (-126) (-)

1.32

1200000

1000000

800000

600000

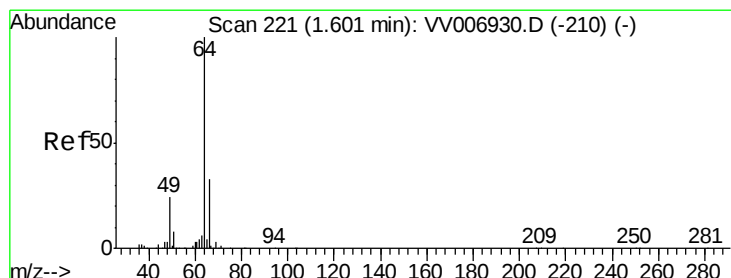
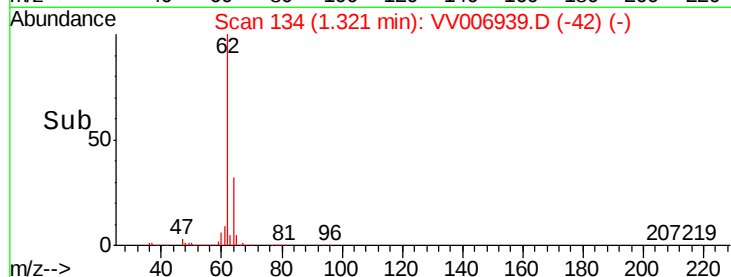
400000

200000

0

Time-->

1.25 1.30 1.35 1.40 1.45



#8

Chloroethane

Concen: 14.993 ug/L

RT: 1.60 min Scan# 221

Delta R.T. 0.00 min

Lab File: VV006939.D

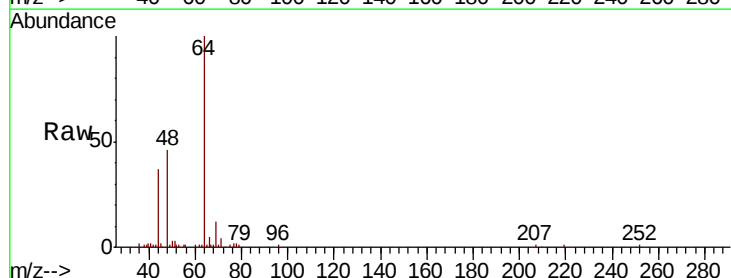
Acq: 08 Aug 2018 17:38

Tgt Ion: 64 Resp: 184167

Ion Ratio Lower Upper

64 100

66 4.7 22.6 42.0#



Abundance Ion 64.10 (63.80 to 64.80): VV006939.D (-210) (-)

Ion 66.05 (65.75 to 66.75): VV006939.D (-210) (-)

1.60

400000

300000

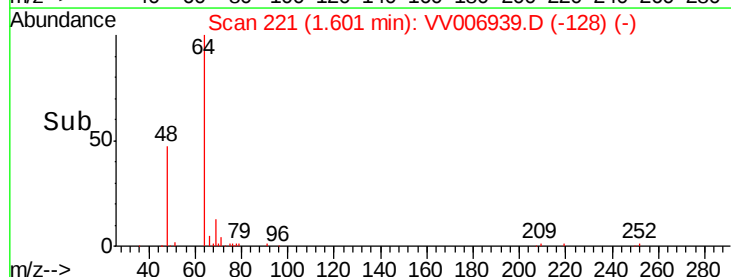
200000

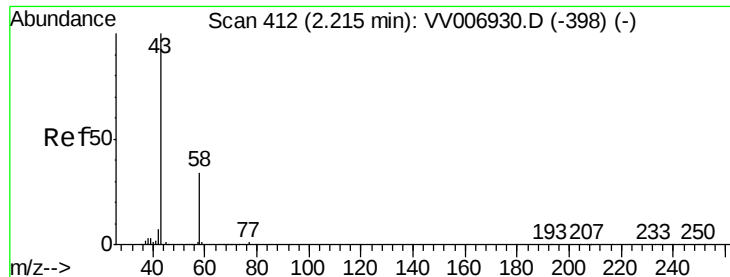
100000

0

Time-->

1.30 1.40 1.50 1.60 1.70





#13

Acetone

Concen: 2.905 ug/L

RT: 2.21 min Scan# 409

Delta R.T. -0.01 min

Lab File: VV006939.D

Acq: 08 Aug 2018 17:38

Instrument :

MSVOA_V

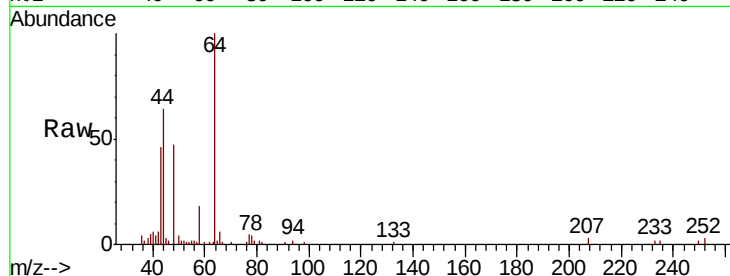
ClientSampled :

Tot Ion: 43 Resp: 7524

Ion Ratio Lower Upper

43 100

58 36.6 0.0 68.0



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.21

5000

4000

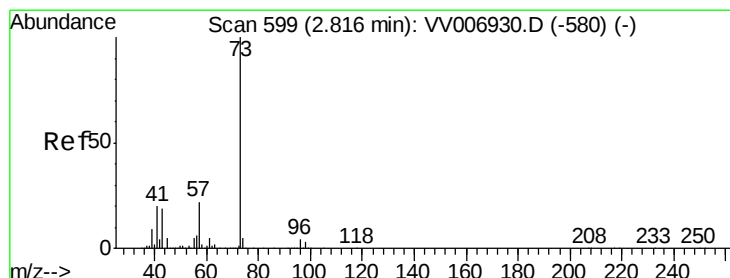
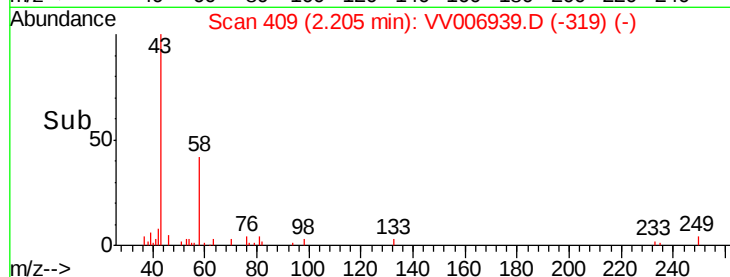
3000

2000

1000

0

Time-->



#17

Methyl tert-butyl Ether

Concen: 0.211 ug/L

RT: 2.81 min Scan# 598

Delta R.T. -0.00 min

Lab File: VV006939.D

Acq: 08 Aug 2018 17:38

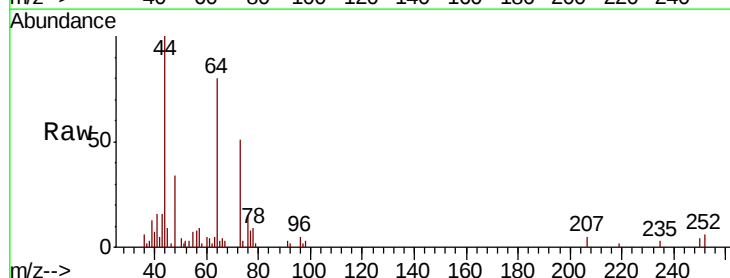
Tgt Ion: 73 Resp: 7523

Ion Ratio Lower Upper

73 100

43 14.8 15.3 22.9#

57 13.3 18.8 28.2#



Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0

4000

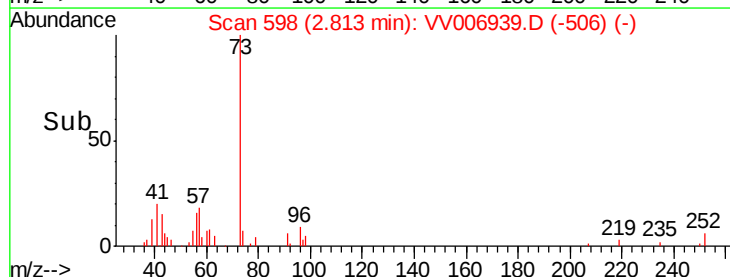
3000

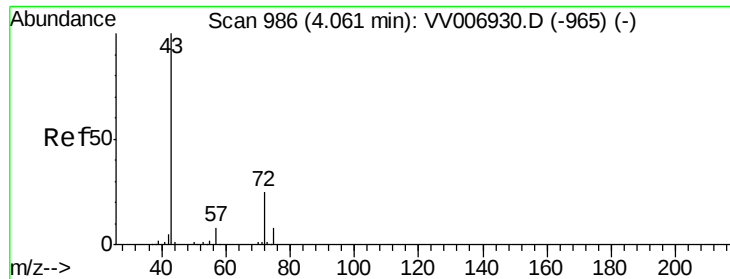
2000

1000

0

Time-->

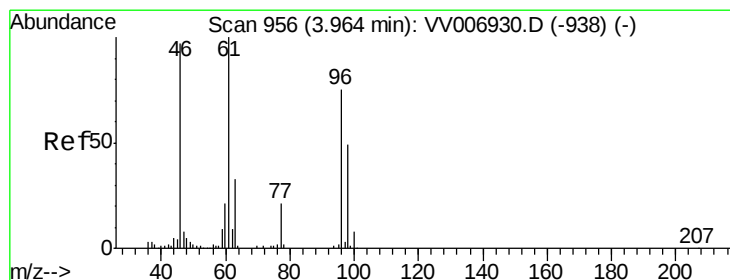
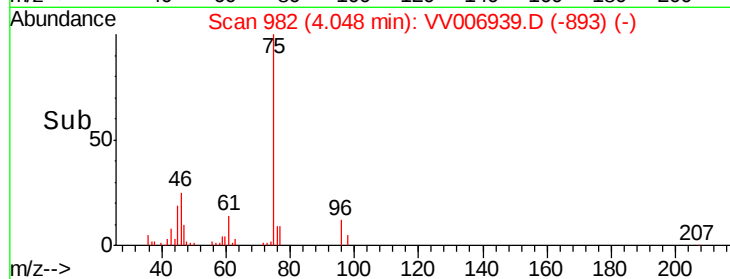
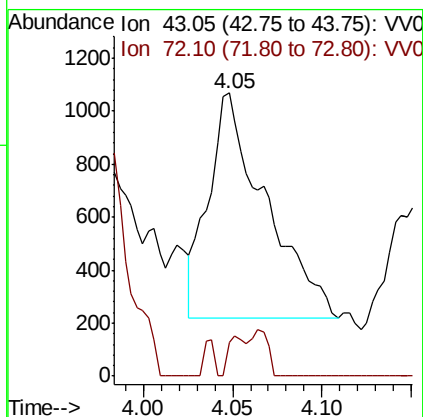
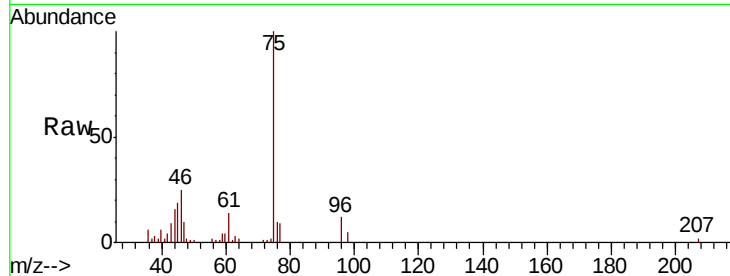




#21
 2-Butanone
 Concen: 0.444 ug/L
 RT: 4.05 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: VV006939.D
 Acq: 08 Aug 2018 17:38

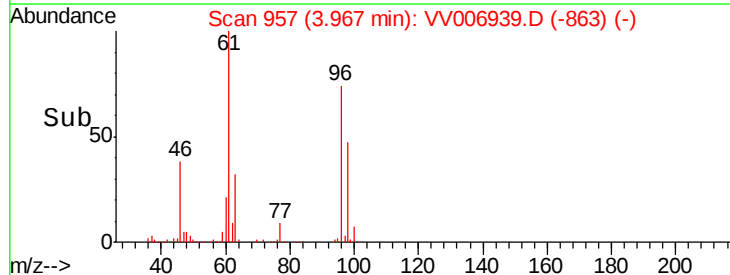
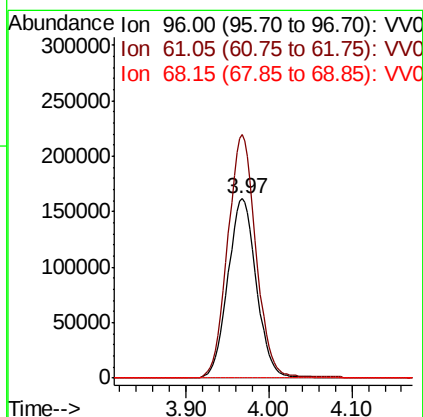
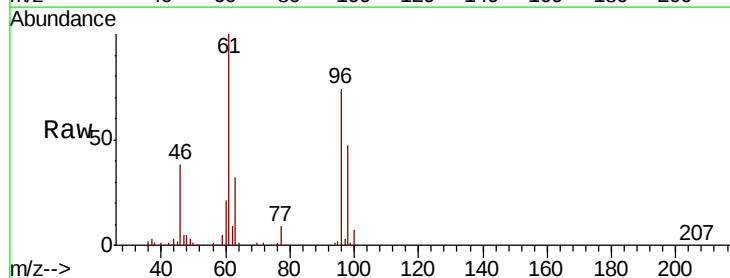
Instrument :
 MSVOA_V
 ClientSampleId :

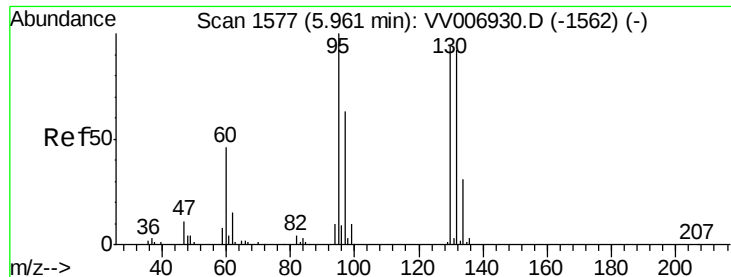
Tot Ion: 43 Resp: 1894
 Ion Ratio Lower Upper
 43 100
 72 5.5 11.9 35.5#



#22
 cis-1,2-Dichloroethene
 Concen: 26.068 ug/L
 RT: 3.97 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VV006939.D
 Acq: 08 Aug 2018 17:38

Tgt Ion: 96 Resp: 388497
 Ion Ratio Lower Upper
 96 100
 61 135.6 95.5 177.4
 68 0.0 0.0 0.0

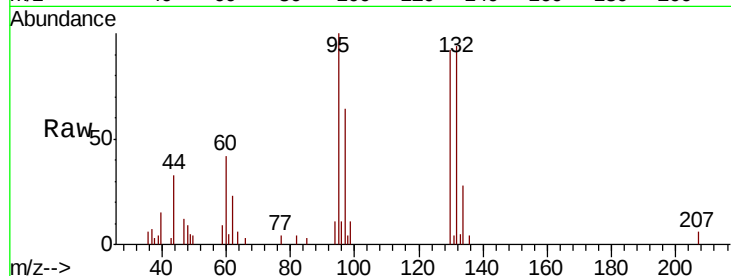




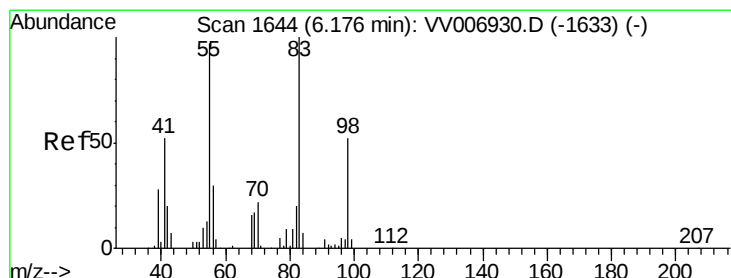
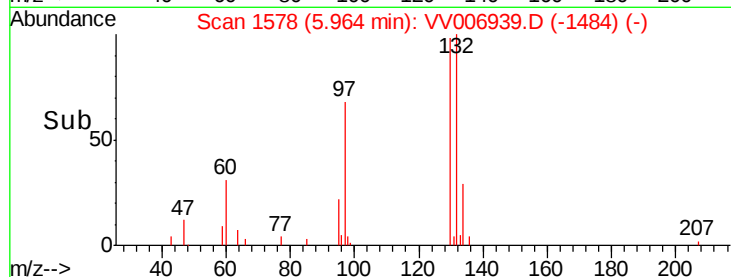
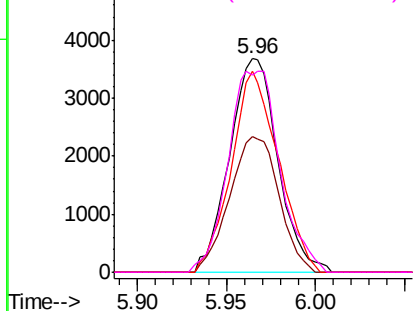
#34
 Trichloroethene
 Concen: 0.485 ug/L
 RT: 5.96 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VV006939.D
 Acq: 08 Aug 2018 17:38

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion:	95	Resp:	6958
Ion	Ratio	Lower	Upper
95	100		
97	63.5	44.4	82.4
132	93.9	65.6	121.8
130	92.1	68.8	127.8

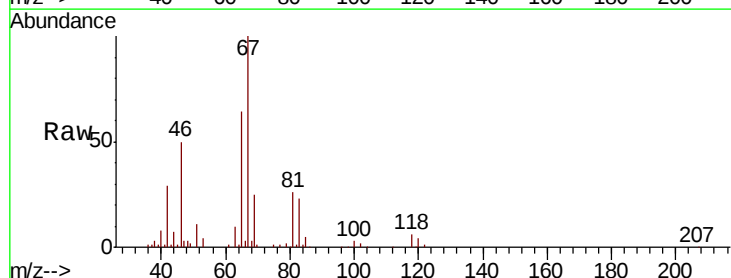


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

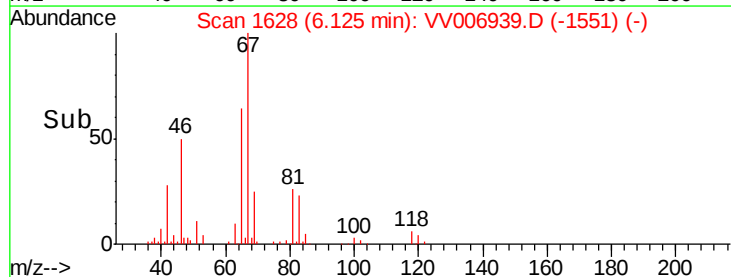
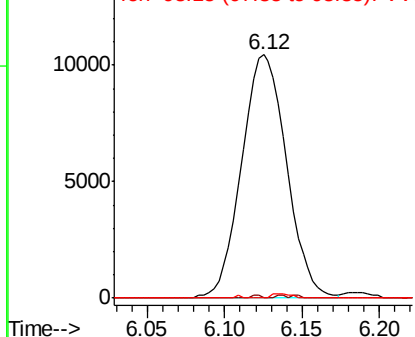


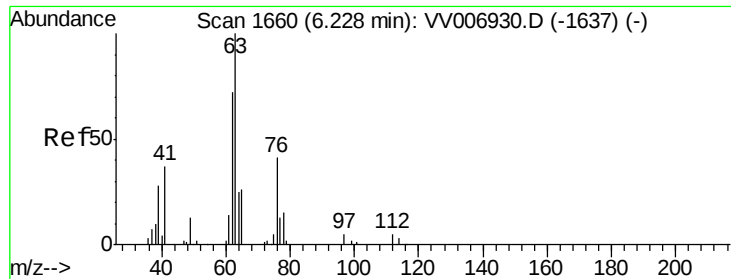
#35
 Methylcyclohexane
 Concen: 0.948 ug/L
 RT: 6.12 min Scan# 1628
 Delta R.T. -0.05 min
 Lab File: VV006939.D
 Acq: 08 Aug 2018 17:38

Tgt Ion:	83	Resp:	21116
Ion	Ratio	Lower	Upper
83	100		
55	0.2	69.8	104.8#
98	0.1	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

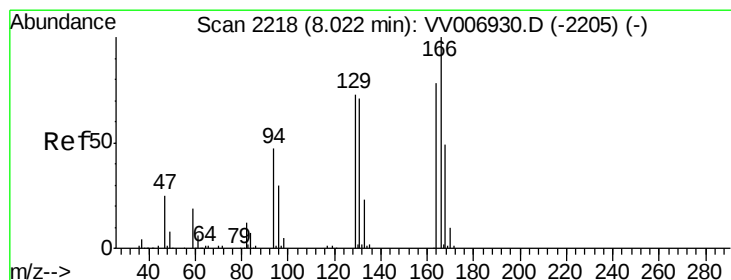
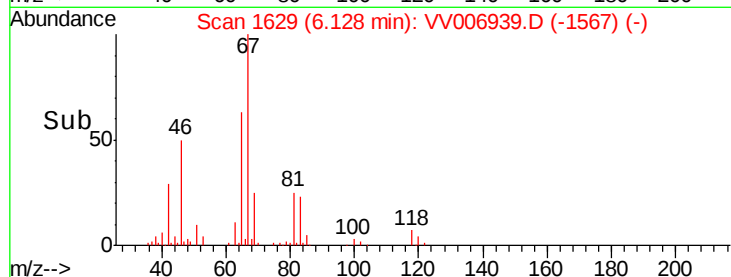
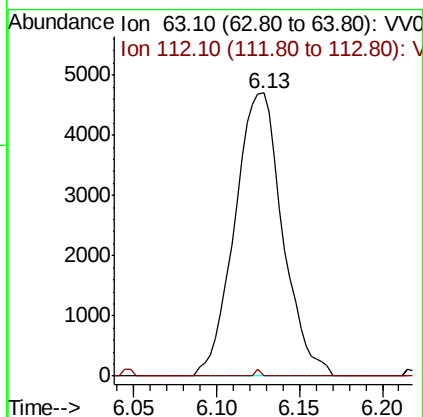
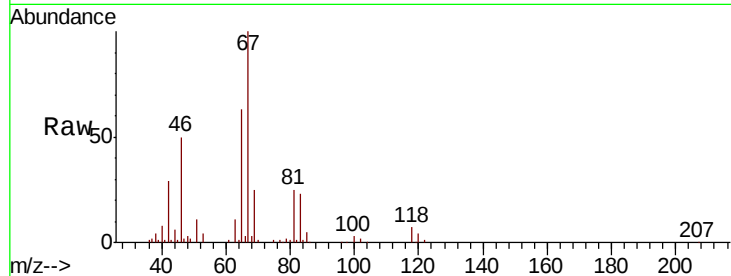




#37
 1,2-Dichloropropane
 Concen: 0.550 ug/L
 RT: 6.13 min Scan# 1629
 Delta R.T. -0.10 min
 Lab File: VV006939.D
 Acq: 08 Aug 2018 17:38

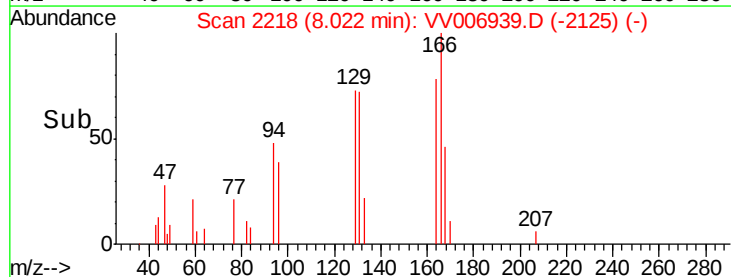
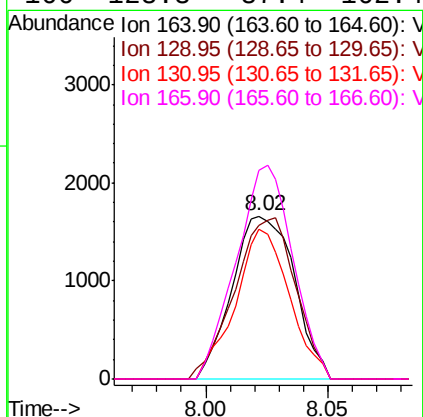
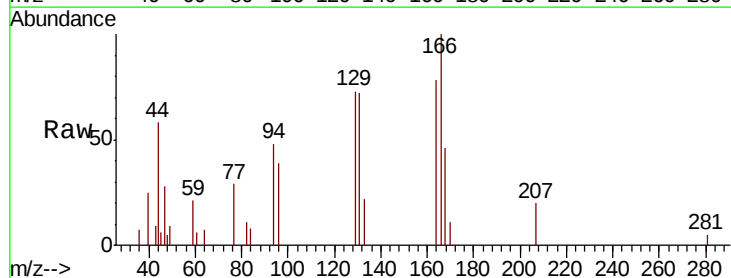
Instrument :
 MSVOA_V
 ClientSampleId :

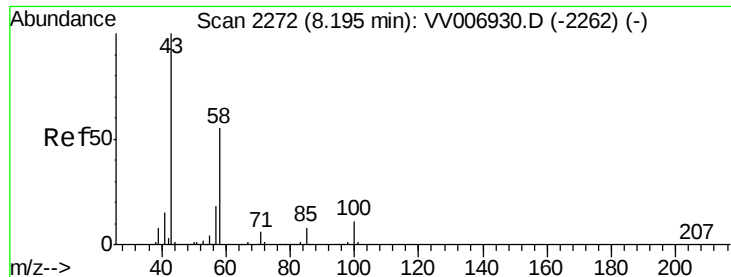
Tot Ion: 63 Resp: 9425
 Ion Ratio Lower Upper
 63 100
 112 0.2 3.5 5.3#



#47
 Tetrachloroethene
 Concen: 0.269 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VV006939.D
 Acq: 08 Aug 2018 17:38

Tgt Ion: 164 Resp: 2931
 Ion Ratio Lower Upper
 164 100
 129 94.2 63.1 117.3
 131 91.9 62.3 115.7
 166 128.3 87.4 162.4

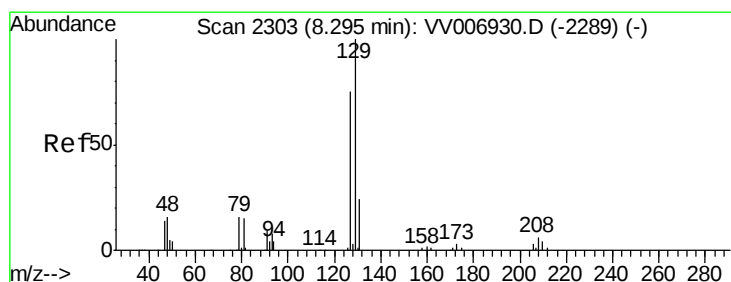
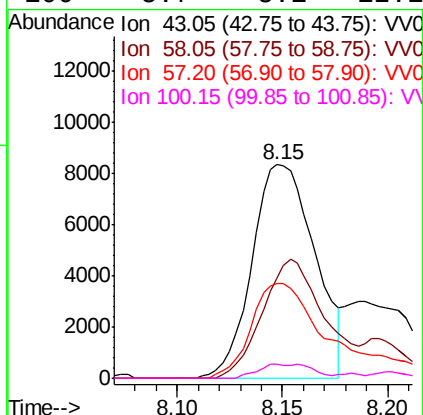
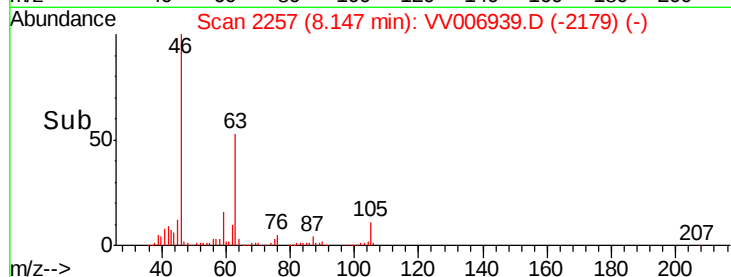
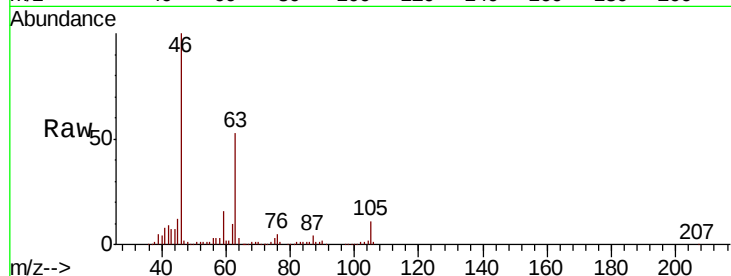




#48
2-Hexanone
Concen: 2.586 ug/L
RT: 8.15 min Scan# 2257
Delta R.T. -0.05 min
Lab File: VV006939.D
Acq: 08 Aug 2018 17:38

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 17306
Ion Ratio Lower Upper
43 100
58 55.2 42.0 63.0
57 57.9 14.1 21.1#
100 5.7 8.1 12.1#



#49
Dibromochloromethane
Concen: 0.240 ug/L
RT: 8.03 min Scan# 2220
Delta R.T. -0.27 min
Lab File: VV006939.D
Acq: 08 Aug 2018 17:38

Tgt Ion: 129 Resp: 2730
Ion Ratio Lower Upper
129 100
127 0.0 57.0 105.8#

