

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080718\
 Data File : VV006927.D
 Acq On : 08 Aug 2018 04:51
 Operator : SY/MD
 Sample : J4357-13MSD
 Misc : 25 mL/MSVOA V/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 08 07:12:26 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	208155	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	197600	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	76350	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	82042	6.57	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	131.40%#
7) Chloroethane-d5	1.58	69	65985	5.40	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	108.00%
11) 1,1-Dichloroethene-d2	2.13	63	132044	5.15	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	103.00%
20) 2-Butanone-d5	3.97	46	244394	61.37	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	122.74%
24) Chloroform-d	4.40	84	144420	5.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.20%
26) 1,2-Dichloroethane-d4	5.09	65	81993	5.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	117.40%
32) Benzene-d6	5.10	84	277386	5.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	114.60%
36) 1,2-Dichloropropane-d6	6.12	67	96760	5.50	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	110.00%
41) Toluene-d8	7.37	98	212858	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.80%
43) trans-1,3-Dichloropropene-	7.67	79	25366	4.47	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.40%
46) 2-Hexanone-d5	8.15	63	126472	53.60	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.20%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	76566	5.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	116.00%
64) 1,2-Dichlorobenzene-d4	11.68	152	75125	6.08	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	121.60%#

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.25	50	4611	0.206	ug/L	91
5) Vinyl chloride	1.32	62	1211705	61.927	ug/L	98
8) Chloroethane	1.53	64	117456	9.527	ug/L #	51
12) 1,1-Dichloroethene	2.14	96	61687	4.480	ug/L	95
13) Acetone	2.21	43	7681	2.955	ug/L	97
14) Carbon disulfide	2.36	76	24645	0.583	ug/L #	92
15) Methyl Acetate	2.47	43	1493	0.209	ug/L #	59
17) Methyl tert-butyl Ether	2.82	73	8333	0.233	ug/L #	81
21) 2-Butanone	4.06	43	2079	0.486	ug/L #	64
22) cis-1,2-Dichloroethene	3.97	96	350306	23.418	ug/L	100
33) Benzene	5.15	78	290483	4.767	ug/L	100
34) Trichloroethene	5.96	95	73910	5.213	ug/L	99
35) Methylcyclohexane	6.12	83	23405	1.063	ug/L #	15
37) 1,2-Dichloropropane	6.12	63	11300	0.667	ug/L #	88
40) 4-Methyl-2-pentanone	7.21	43	7632	0.807	ug/L #	48
42) Toluene	7.44	91	261652	4.580	ug/L	98
47) Tetrachloroethene	8.02	164	4404	0.408	ug/L	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080718\
Data File : VV006927.D
Acq On : 08 Aug 2018 04:51
Operator : SY/MD
Sample : J4357-13MSD
Misc : 25 mL/MSVOA V/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: Aug 08 07:12:26 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

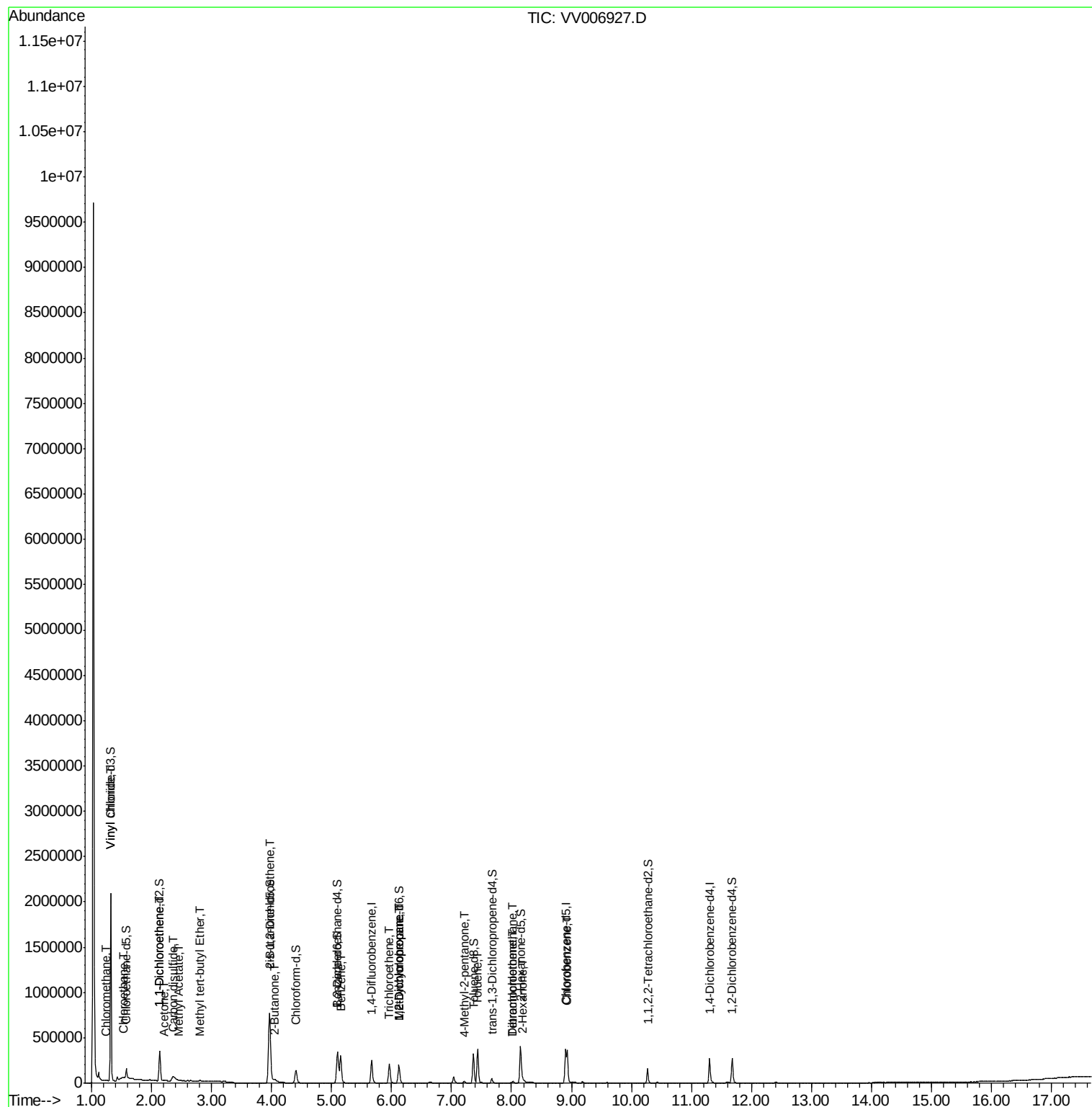
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 2-Hexanone	8.20	43	7425	1.123	ug/L #	76
49) Dibromochloromethane	8.02	129	3870	0.344	ug/L #	9
51) Chlorobenzene	8.93	112	180910	5.204	ug/L	96

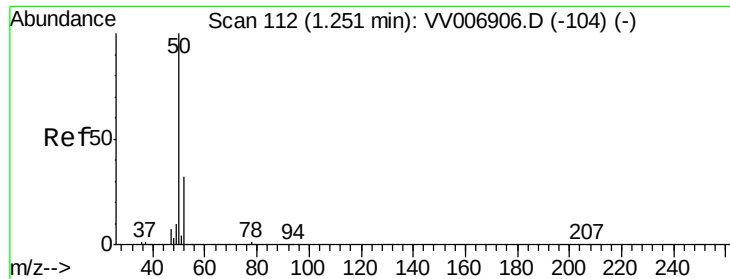
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080718\
Data File : VV006927.D
Acq On : 08 Aug 2018 04:51
Operator : SY/MD
Sample : J4357-13MSD
Misc : 25 mL/MSVOA V/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: Aug 08 07:12:26 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





#3

Chloromethane

Concen: 0.206 ug/L

RT: 1.25 min Scan# 112

Delta R.T. -0.00 min

Lab File: VV006927.D

Acq: 08 Aug 2018 04:51

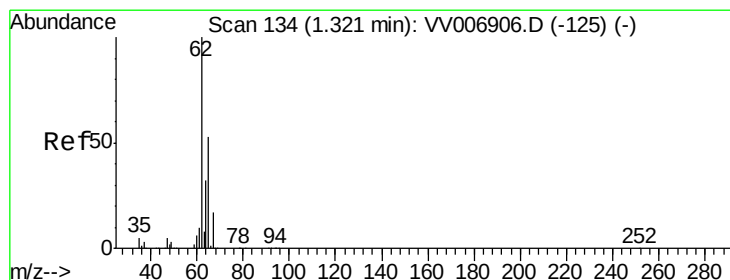
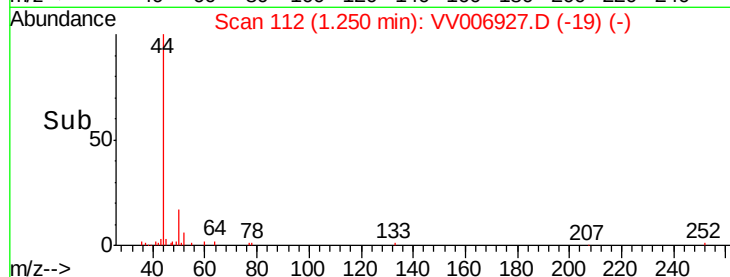
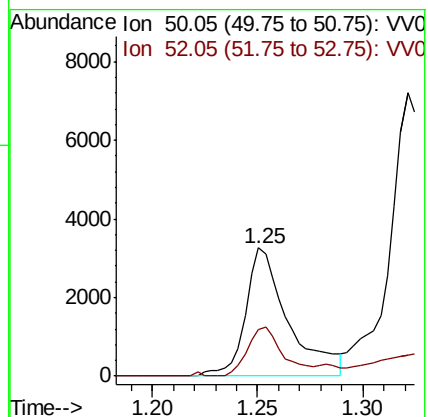
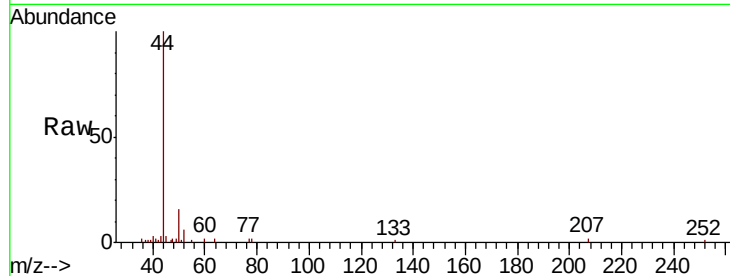
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 50 Resp: 4611

Ion Ratio Lower Upper

50 100

52 36.8 22.3 41.3



#5

Vinyl chloride

Concen: 61.927 ug/L

RT: 1.32 min Scan# 134

Delta R.T. -0.00 min

Lab File: VV006927.D

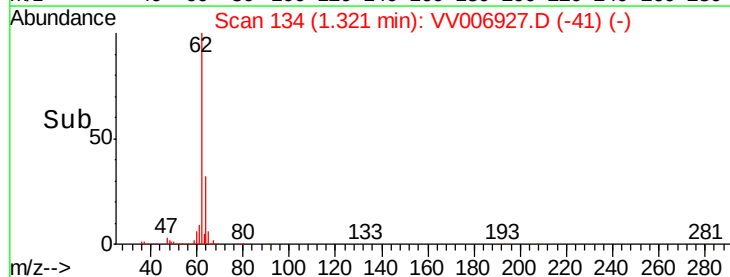
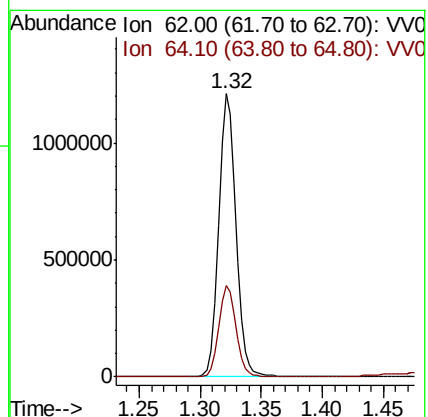
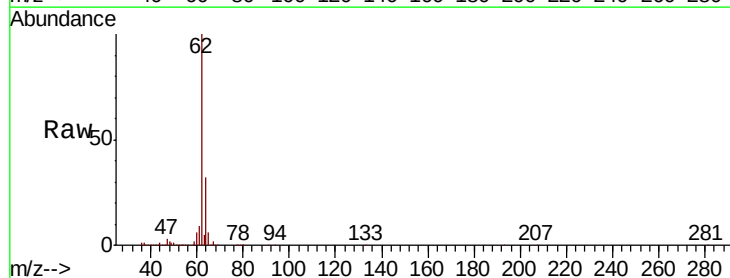
Acq: 08 Aug 2018 04:51

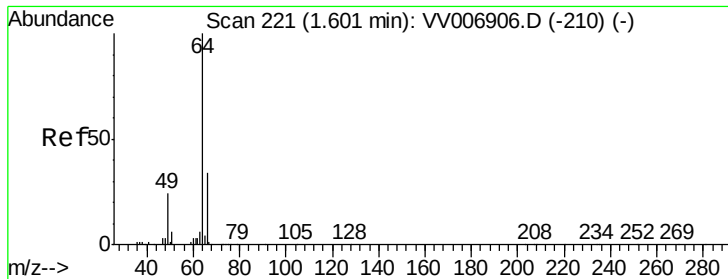
Tgt Ion: 62 Resp: 1211705

Ion Ratio Lower Upper

62 100

64 32.5 22.1 41.1





#8

Chloroethane

Concen: 9.527 ug/L

RT: 1.53 min Scan# 198

Delta R.T. -0.07 min

Lab File: VV006927.D

Acq: 08 Aug 2018 04:51

Instrument :

MSVOA_V

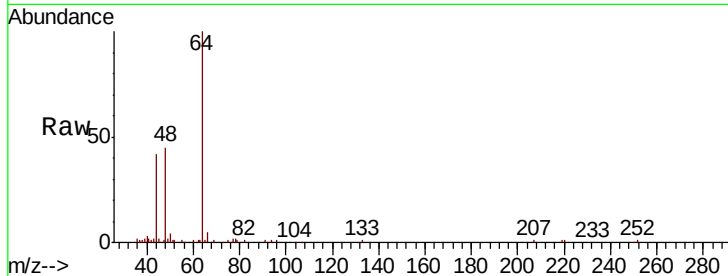
ClientSampleId :

Tot Ion: 64 Resp: 117456

Ion Ratio Lower Upper

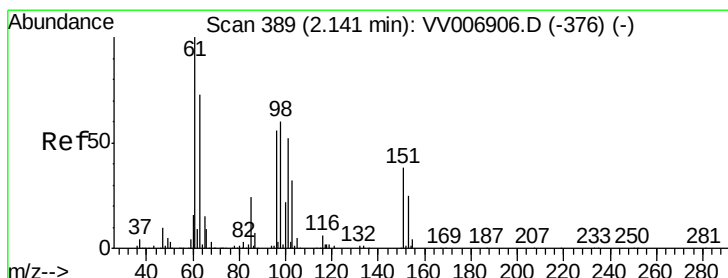
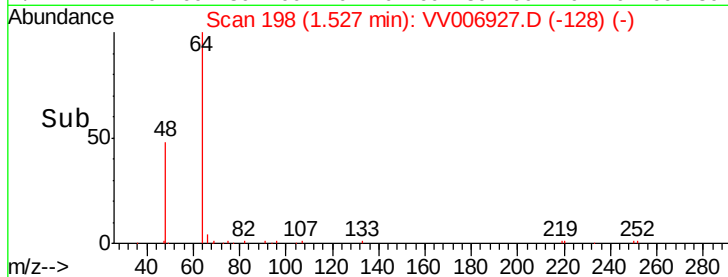
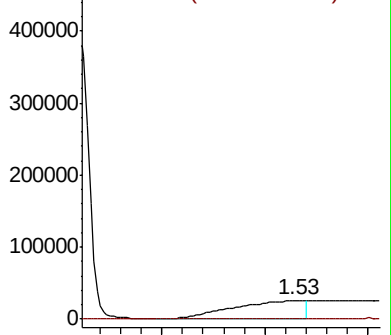
64 100

66 5.0 22.6 42.0#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0



#12

1,1-Dichloroethene

Concen: 4.480 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV006927.D

Acq: 08 Aug 2018 04:51

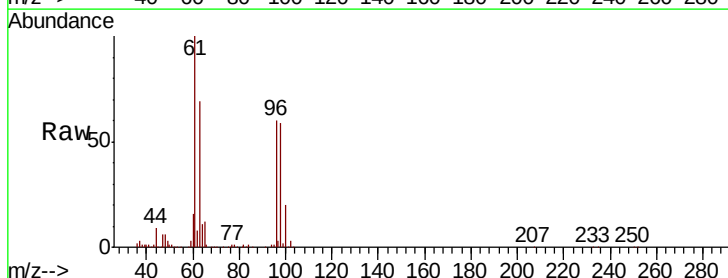
Tgt Ion: 96 Resp: 61687

Ion Ratio Lower Upper

96 100

61 168.0 119.0 221.0

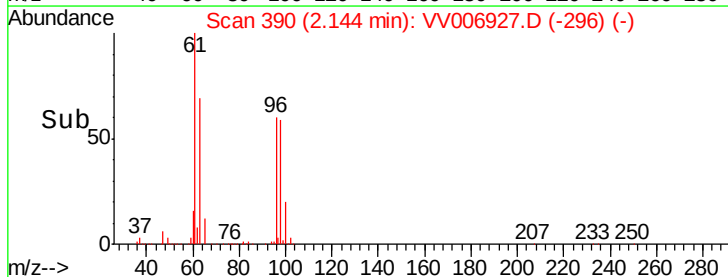
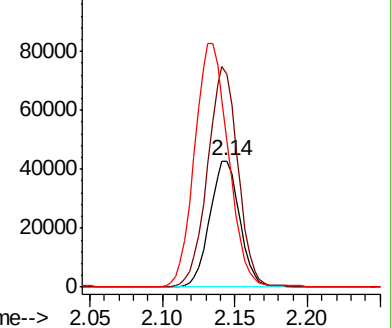
63 115.6 73.6 136.6

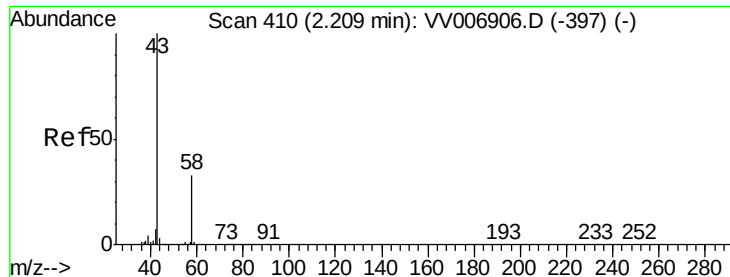


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 2.955 ug/L

RT: 2.21 min Scan# 410

Delta R.T. -0.00 min

Lab File: VV006927.D

Acq: 08 Aug 2018 04:51

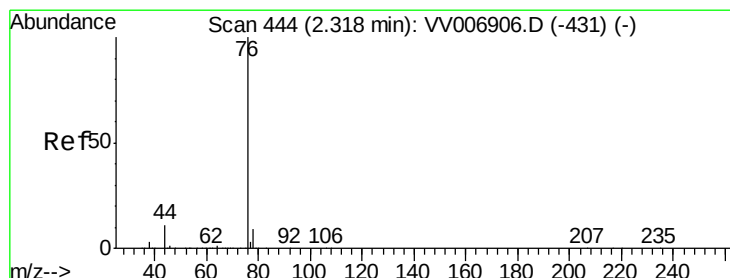
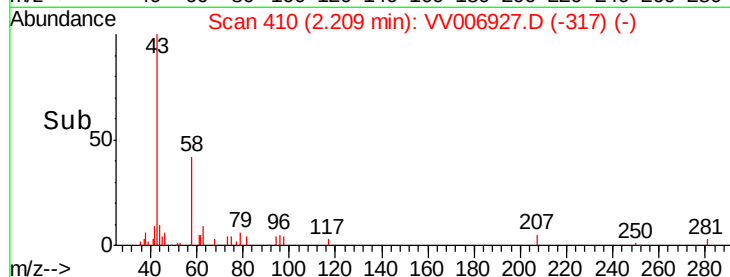
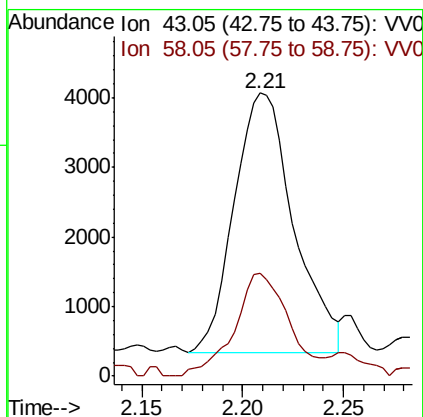
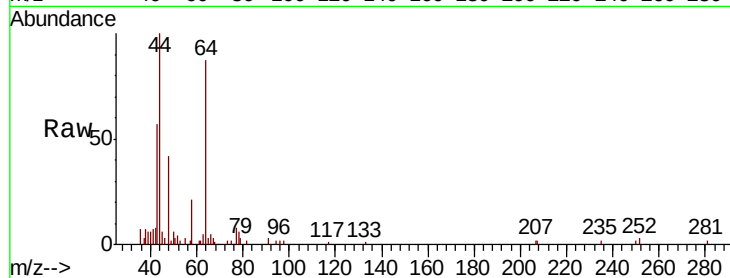
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 7681

Ion Ratio Lower Upper

43 100

58 35.8 0.0 68.0



#14

Carbon disulfide

Concen: 0.583 ug/L

RT: 2.36 min Scan# 456

Delta R.T. 0.04 min

Lab File: VV006927.D

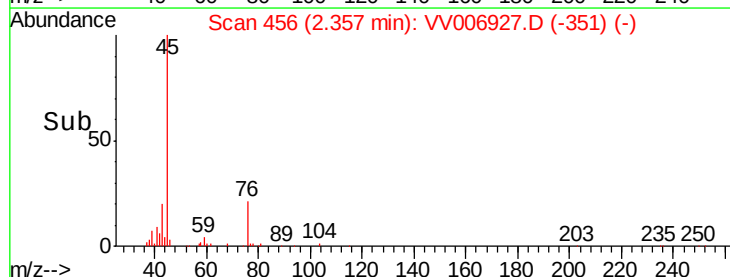
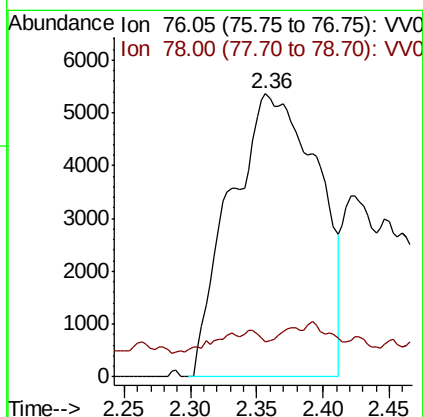
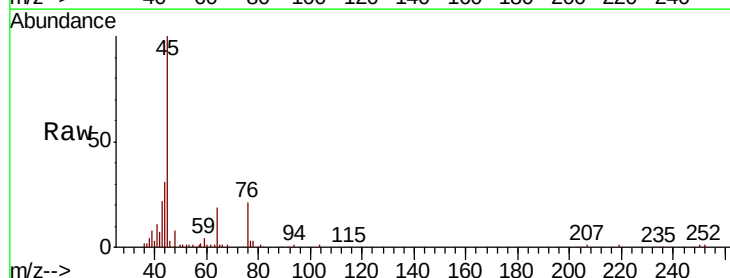
Acq: 08 Aug 2018 04:51

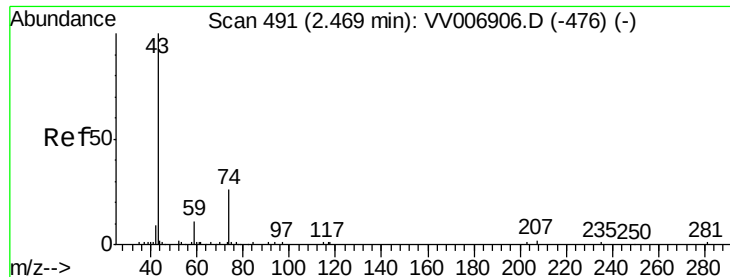
Tgt Ion: 76 Resp: 24645

Ion Ratio Lower Upper

76 100

78 12.6 7.8 11.6#

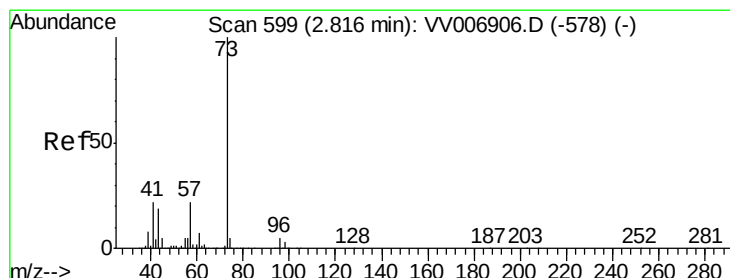
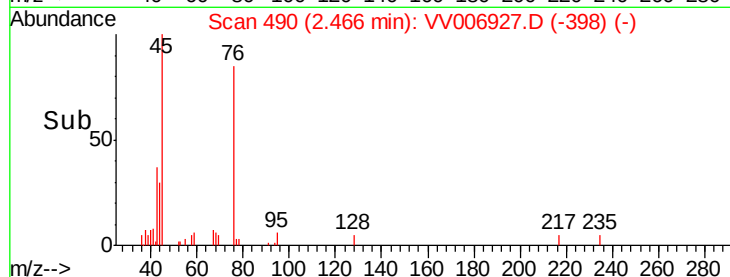
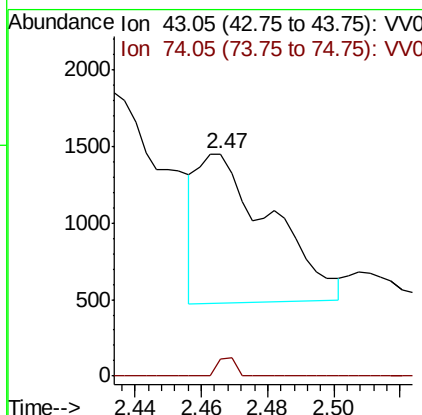
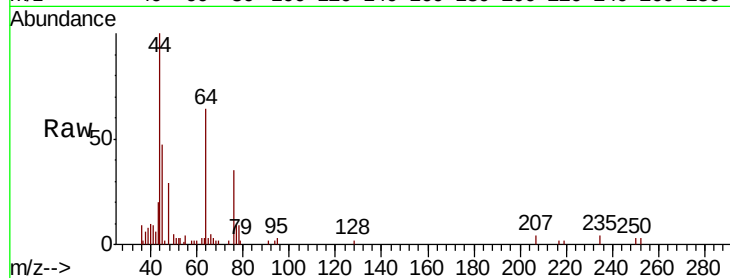




#15
Methyl Acetate
Concen: 0.209 ug/L
RT: 2.47 min Scan# 490
Delta R.T. -0.00 min
Lab File: VV006927.D
Acq: 08 Aug 2018 04:51

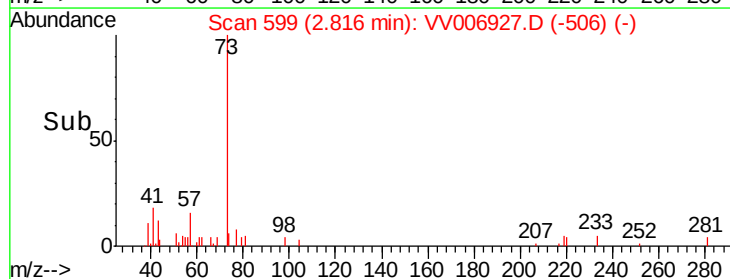
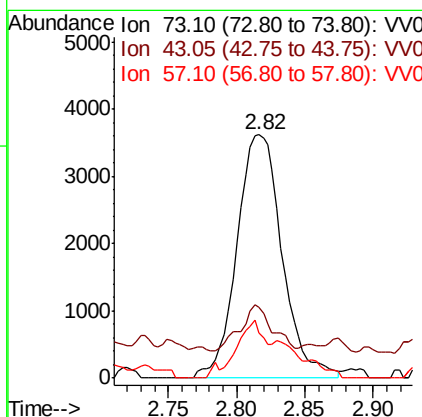
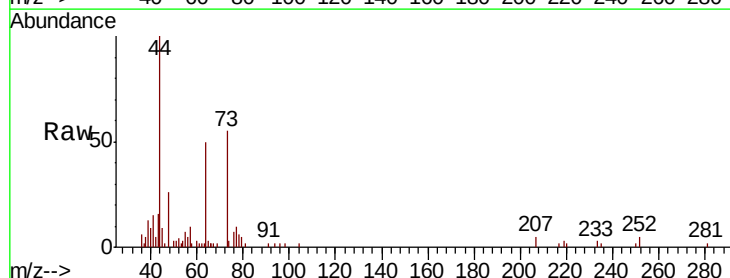
Instrument :
MSVOA_V
ClientSampled :

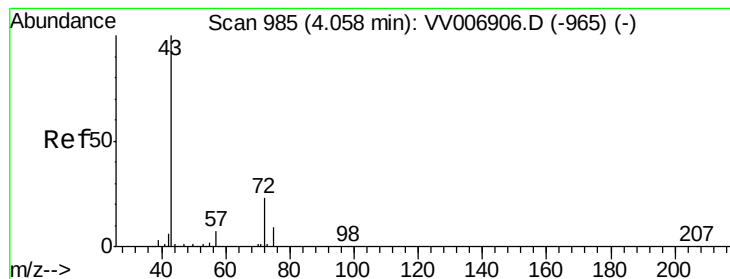
Tot Ion: 43 Resp: 1493
Ion Ratio Lower Upper
43 100
74 3.0 18.6 27.8#



#17
Methyl tert-butyl Ether
Concen: 0.233 ug/L
RT: 2.82 min Scan# 599
Delta R.T. -0.00 min
Lab File: VV006927.D
Acq: 08 Aug 2018 04:51

Tgt Ion: 73 Resp: 8333
Ion Ratio Lower Upper
73 100
43 13.7 15.3 22.9#
57 11.4 18.8 28.2#





#21

2-Butanone

Concen: 0.486 ug/L

RT: 4.06 min Scan# 985

Delta R.T. -0.00 min

Lab File: VV006927.D

Acq: 08 Aug 2018 04:51

Instrument :

MSVOA_V

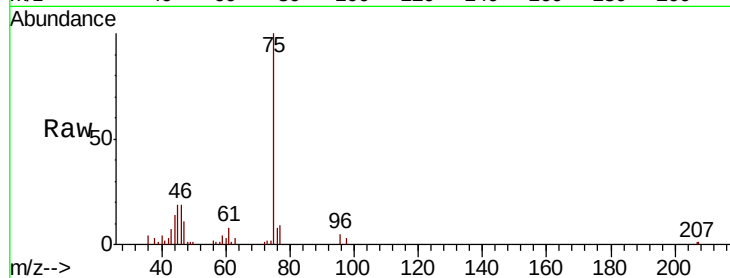
ClientSampled :

Tot Ion: 43 Resp: 2079

Ion Ratio Lower Upper

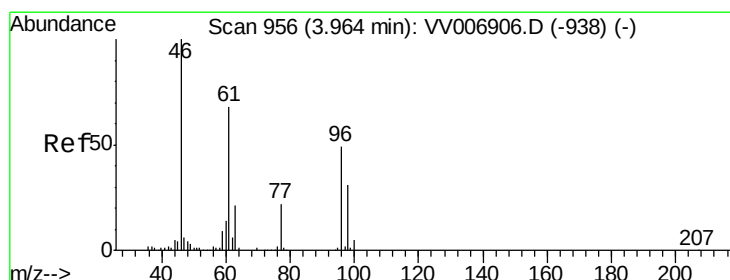
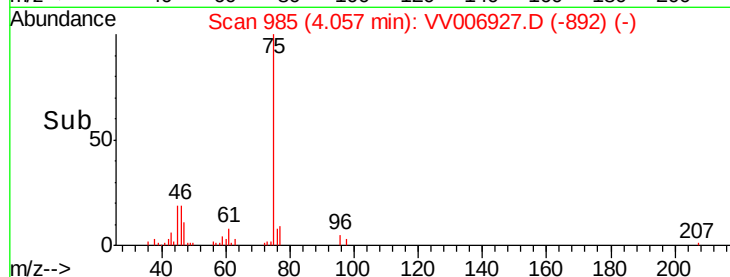
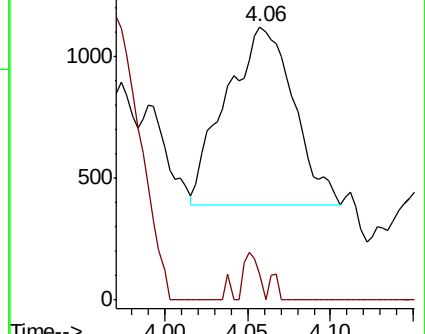
43 100

72 5.9 11.9 35.5#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 72.10 (71.80 to 72.80): VV0



#22

cis-1,2-Dichloroethene

Concen: 23.418 ug/L

RT: 3.97 min Scan# 957

Delta R.T. 0.00 min

Lab File: VV006927.D

Acq: 08 Aug 2018 04:51

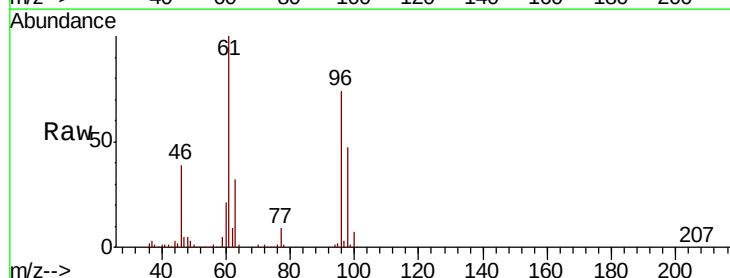
Tgt Ion: 96 Resp: 350306

Ion Ratio Lower Upper

96 100

61 136.0 95.5 177.4

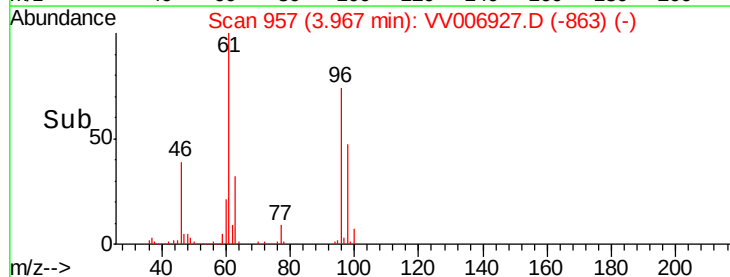
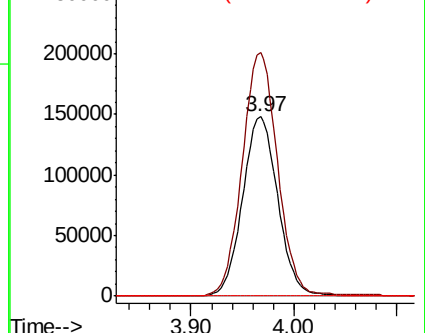
68 0.0 0.0 0.0

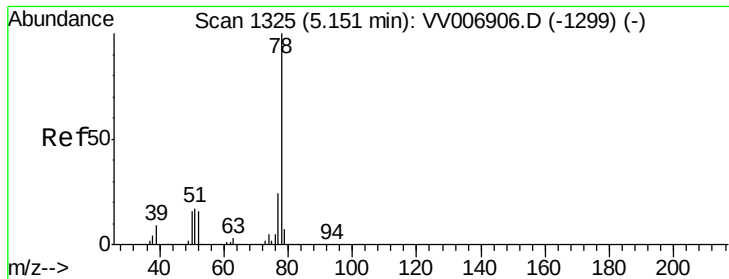


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0





#33

Benzene

Concen: 4.767 ug/L

RT: 5.15 min Scan# 1325

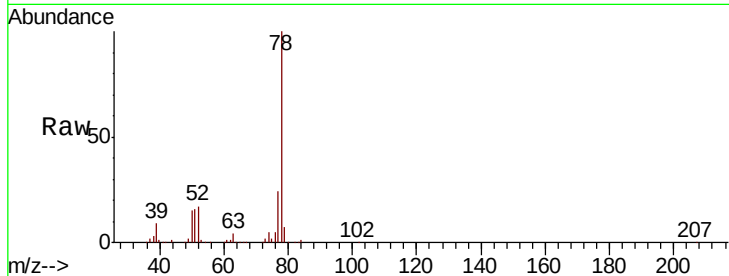
Delta R.T. -0.00 min

Lab File: VV006927.D

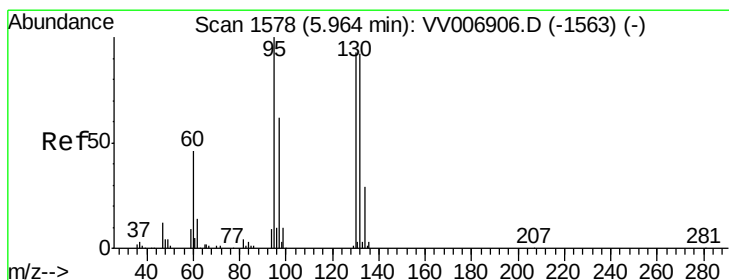
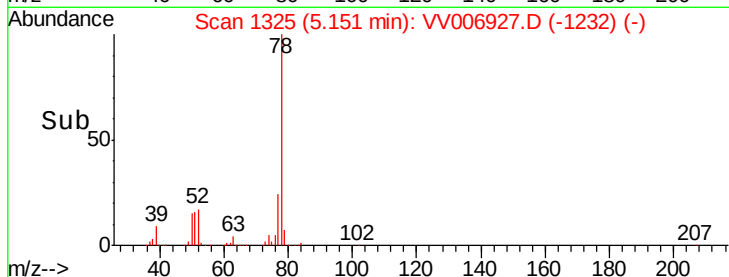
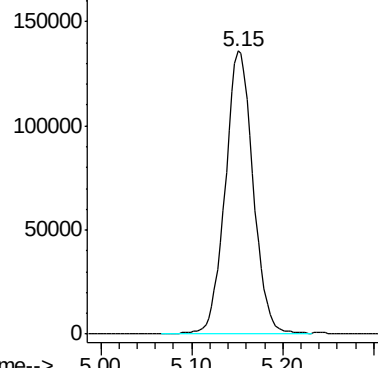
Acq: 08 Aug 2018 04:51

Instrument :
MSVOA_V
ClientSampled :

Tgt Ion: 78 Resp: 290483



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 5.213 ug/L

RT: 5.96 min Scan# 1578

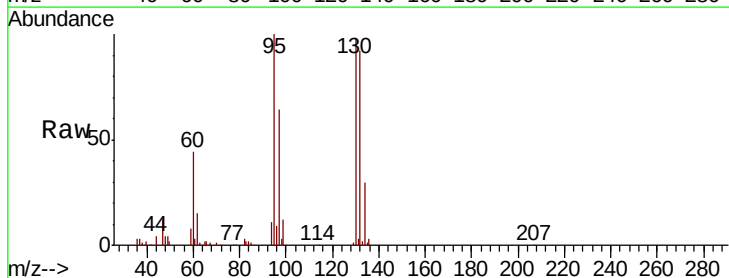
Delta R.T. -0.00 min

Lab File: VV006927.D

Acq: 08 Aug 2018 04:51

Tgt Ion: 95 Resp: 73910

Ion	Ratio	Lower	Upper
95	100		
97	63.7	44.4	82.4
132	91.7	65.6	121.8
130	97.8	68.8	127.8

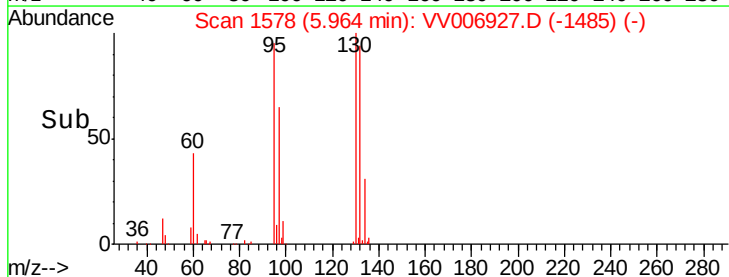


Abundance Ion 95.00 (94.70 to 95.70): VV0

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

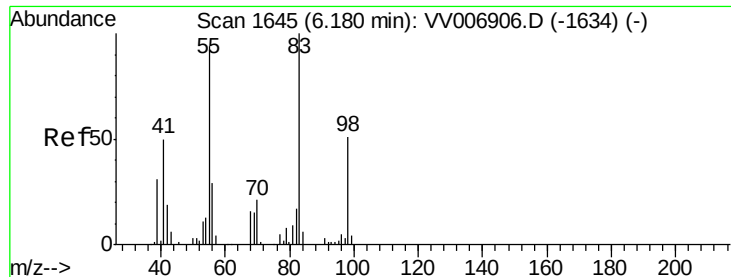


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

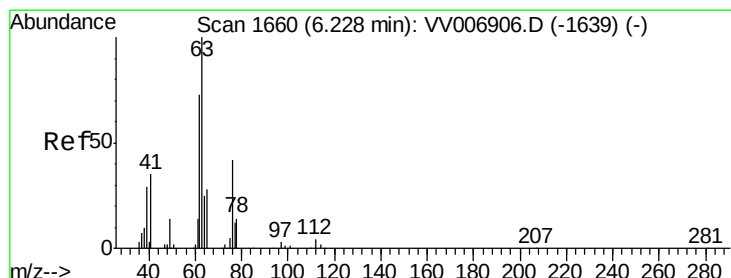
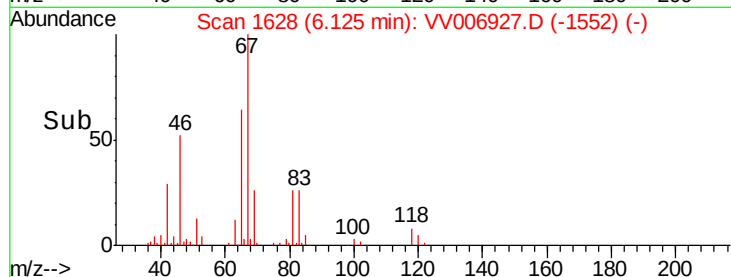
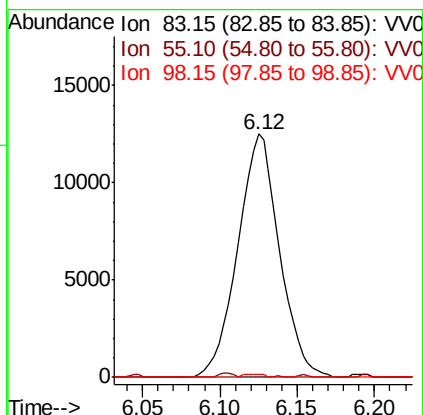
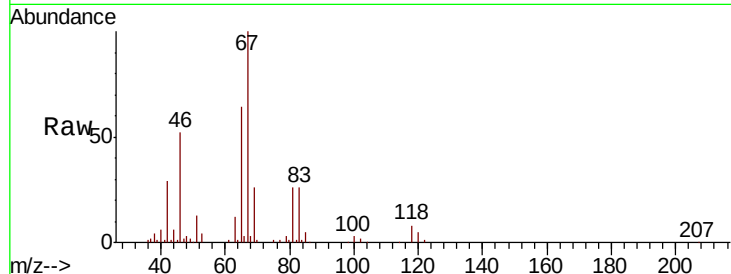
Ion 129.95 (129.65 to 130.65): V



#35
Methylvlcyclohexane
Concen: 1.063 ug/L
RT: 6.12 min Scan# 1628
Delta R.T. -0.05 min
Lab File: VV006927.D
Acq: 08 Aug 2018 04:51

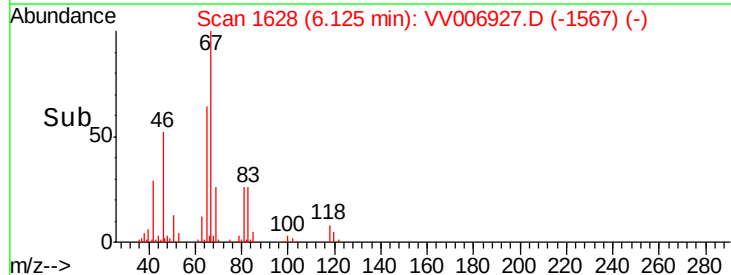
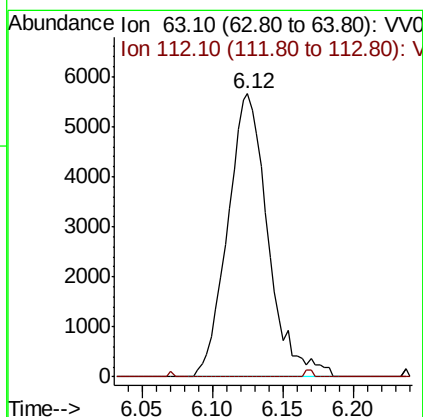
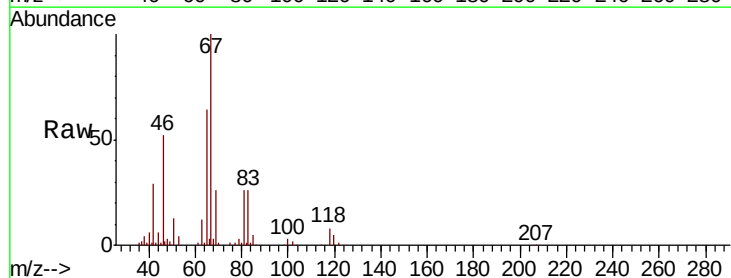
Instrument :
MSVOA_V
ClientSampleId :

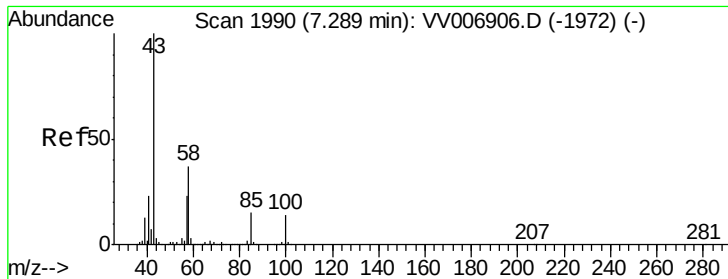
Tot Ion: 83 Resp: 23405
Ion Ratio Lower Upper
83 100
55 0.1 69.8 104.8#
98 0.6 36.4 54.6#



#37
1,2-Dichloropropane
Concen: 0.667 ug/L
RT: 6.12 min Scan# 1628
Delta R.T. -0.10 min
Lab File: VV006927.D
Acq: 08 Aug 2018 04:51

Tgt Ion: 63 Resp: 11300
Ion Ratio Lower Upper
63 100
112 0.5 3.5 5.3#

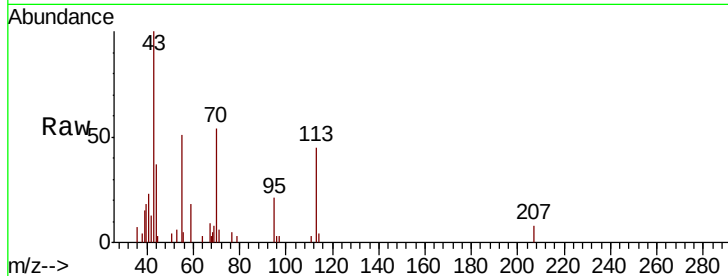




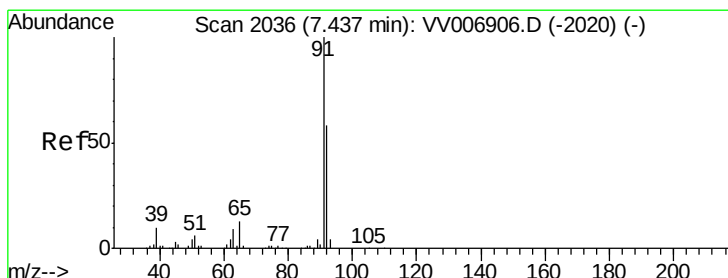
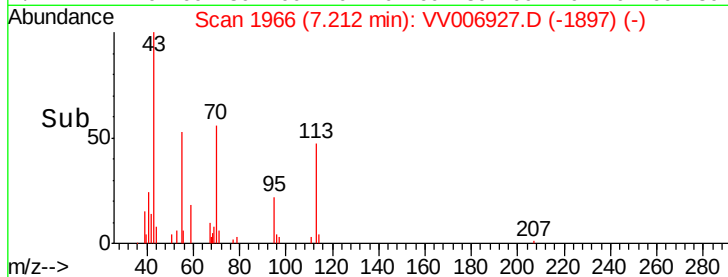
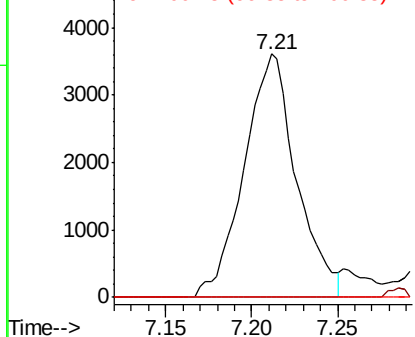
#40
4-Methyl-2-pentanone
Concen: 0.807 ug/L
RT: 7.21 min Scan# 1966
Delta R.T. -0.08 min
Lab File: VV006927.D
Acq: 08 Aug 2018 04:51

Instrument :
MSVOA_V
ClientSampled :

Tot Ion	Ratio	Lower	Upper
43	100		
58	1.2	29.0	43.6#
100	0.0	10.5	15.7#

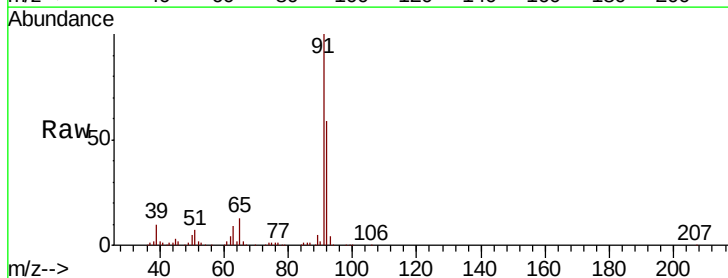


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 100.15 (99.85 to 100.85): VV0

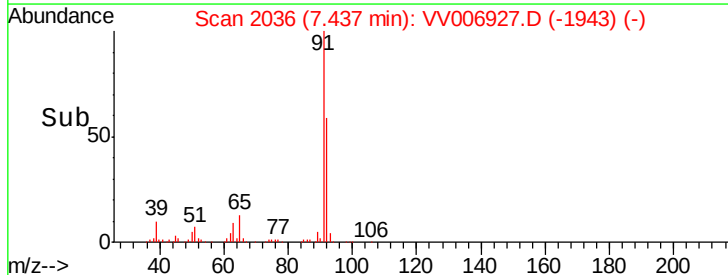
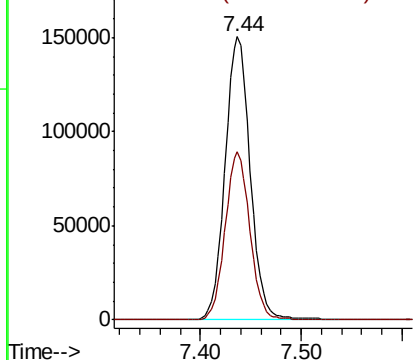


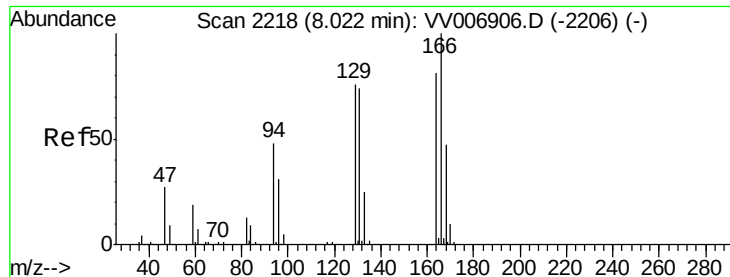
#42
Toluene
Concen: 4.580 ug/L
RT: 7.44 min Scan# 2036
Delta R.T. -0.00 min
Lab File: VV006927.D
Acq: 08 Aug 2018 04:51

Tgt Ion	Ratio	Lower	Upper
91	100		
92	59.3	40.6	75.4



Abundance Ion 91.15 (90.85 to 91.85): VV0
Ion 92.15 (91.85 to 92.85): VV0

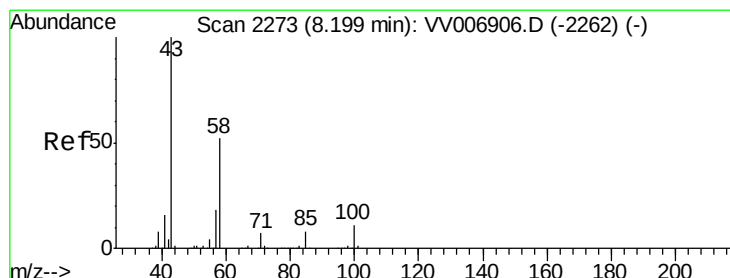
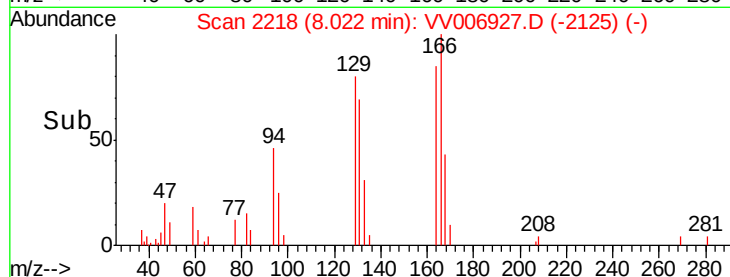
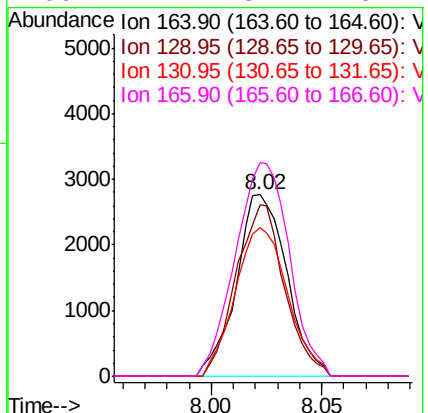
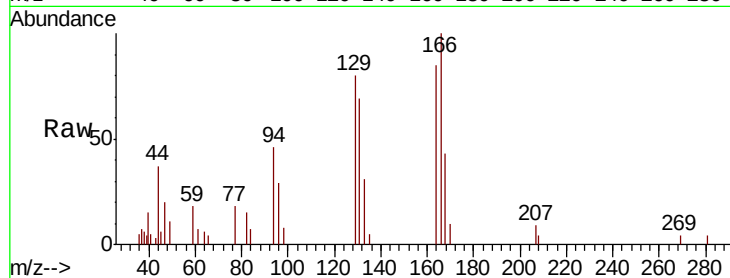




#47
Tetrachloroethene
Concen: 0.408 ug/L
RT: 8.02 min Scan# 2218
Delta R.T. -0.00 min
Lab File: VV006927.D
Acq: 08 Aug 2018 04:51

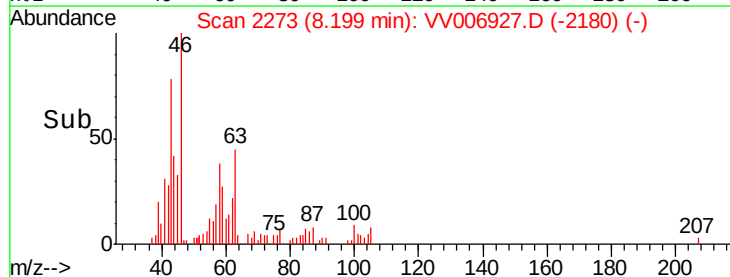
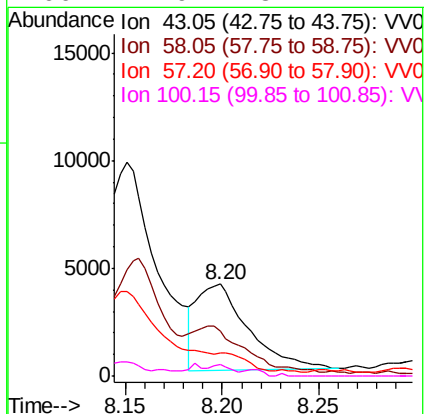
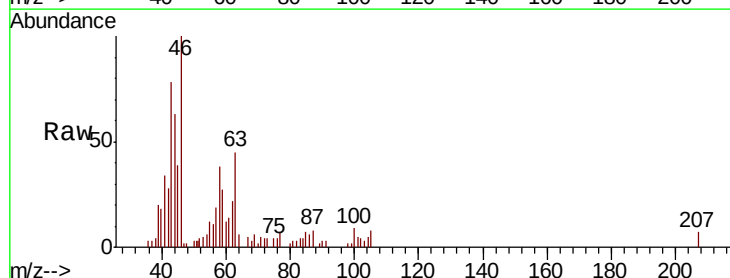
Instrument :
MSVOA_V
ClientSampleId :

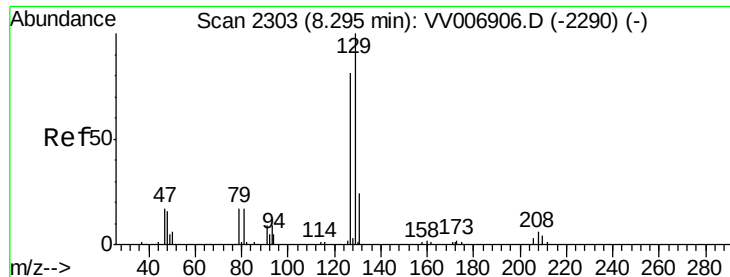
Tot Ion:164 Resp: 4404
Ion Ratio Lower Upper
164 100
129 94.2 63.1 117.3
131 81.6 62.3 115.7
166 117.7 87.4 162.4



#48
2-Hexanone
Concen: 1.123 ug/L
RT: 8.20 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VV006927.D
Acq: 08 Aug 2018 04:51

Tgt Ion: 43 Resp: 7425
Ion Ratio Lower Upper
43 100
58 67.0 42.0 63.0#
57 0.0 14.1 21.1#
100 4.9 8.1 12.1#





#49

Dibromochloromethane

Concen: 0.344 ug/L

RT: 8.02 min Scan# 2218

Delta R.T. -0.27 min

Lab File: VV006927.D

Acq: 08 Aug 2018 04:51

Instrument :

MSVOA_V

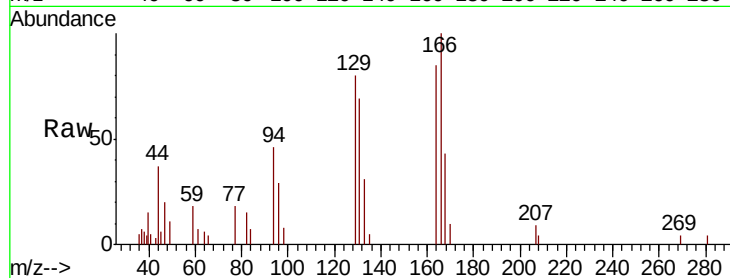
ClientSampleId :

Tot Ion:129 Resp: 3870

Ion Ratio Lower Upper

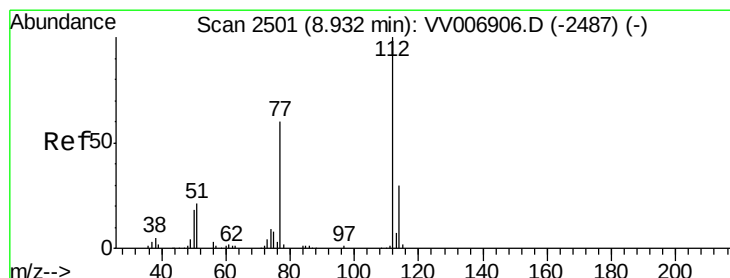
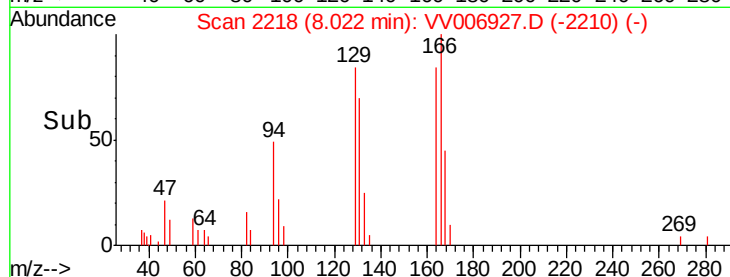
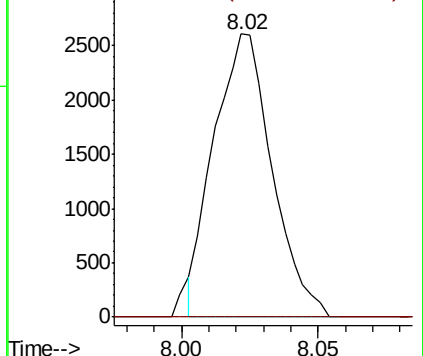
129 100

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: 5.204 ug/L

RT: 8.93 min Scan# 2500

Delta R.T. -0.00 min

Lab File: VV006927.D

Acq: 08 Aug 2018 04:51

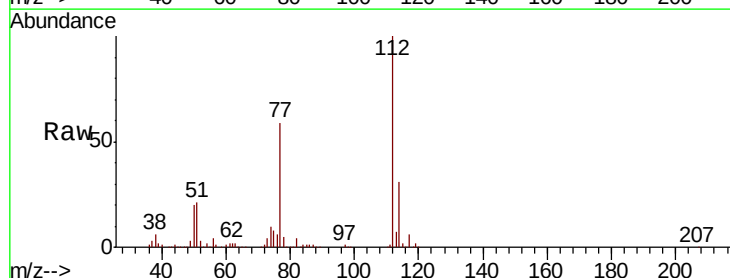
Tgt Ion:112 Resp: 180910

Ion Ratio Lower Upper

112 100

114 31.2 22.6 42.0

77 59.3 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

