

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV071818\
 Data File : VV006638.D
 Acq On : 18 Jul 2018 19:53
 Operator : SY/MD
 Sample : J3983-04MS
 Misc : 25 mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.564

Quant Time: Jul 19 02:40:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jul 19 02:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	253410	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	233316	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	105107	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	99012	4.01	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.20%
7) Chloroethane-d5	1.57	69	73448	4.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.00%
11) 1,1-Dichloroethene-d2	2.13	63	172391	4.15	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.00%
20) 2-Butanone-d5	3.95	46	207222	61.08	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	122.16%
24) Chloroform-d	4.41	84	169787	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.40%
26) 1,2-Dichloroethane-d4	5.09	65	82809	4.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.20%
32) Benzene-d6	5.10	84	356222	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.40%
36) 1,2-Dichloropropane-d6	6.12	67	113891	4.51	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.20%
41) Toluene-d8	7.36	98	309021	4.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.00%
43) trans-1,3-Dichloropropene-	7.67	79	33082	3.80	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.00%
46) 2-Hexanone-d5	8.14	63	196752	42.16	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.32%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	82062	4.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	83.40%
64) 1,2-Dichlorobenzene-d4	11.68	152	115436	4.63	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.60%

Target Compounds

					Qvalue
3) Chloromethane	1.25	50	10651	0.373 ug/L #	55
5) Vinyl chloride	1.32	62	163309	5.363 ug/L #	30
8) Chloroethane	1.32	64	365915	21.396 ug/L #	51
12) 1,1-Dichloroethene	2.14	96	84765	4.176 ug/L	99
13) Acetone	2.19	43	3505	1.035 ug/L	94
18) trans-1,2-Dichloroethene	2.79	96	223287	10.008 ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	525068	22.432 ug/L	99
33) Benzene	5.15	78	362131	4.104 ug/L	100
34) Trichloroethene	5.96	95	261358	12.075 ug/L	98
35) Methylcyclohexane	6.12	83	26744	0.781 ug/L #	18
37) 1,2-Dichloropropane	6.12	63	11670	0.525 ug/L #	86
42) Toluene	7.44	91	374179	4.161 ug/L	100
48) 2-Hexanone	8.14	43	20472	2.239 ug/L #	65
51) Chlorobenzene	8.93	112	242047	4.139 ug/L	99
62) 1,3-Dichlorobenzene	11.32	146	12022	0.298 ug/L	94
63) 1,4-Dichlorobenzene	11.32	146	12022	0.292 ug/L	94

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 19 02:39:44 2018
Response via : Initial Calibration

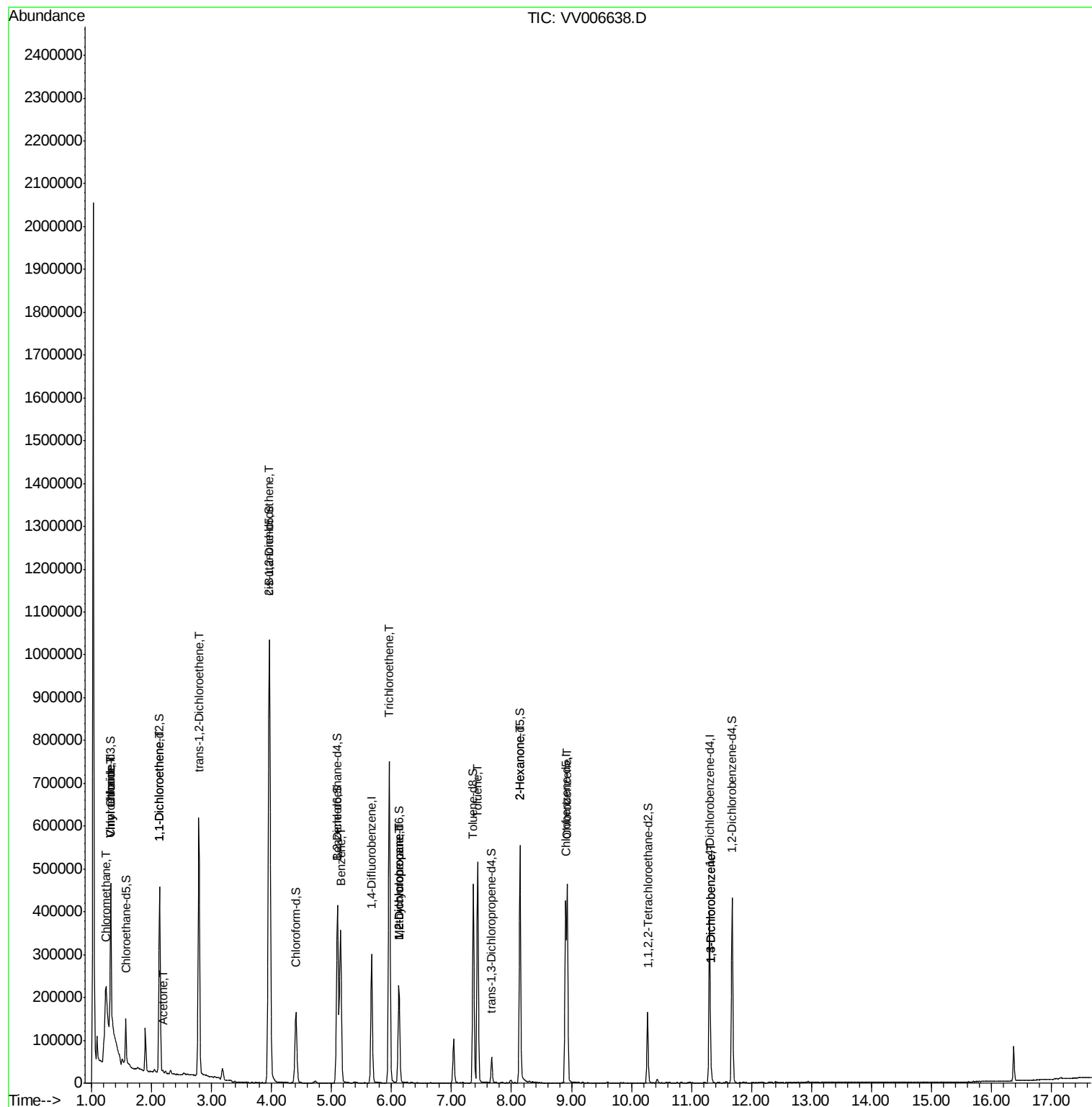
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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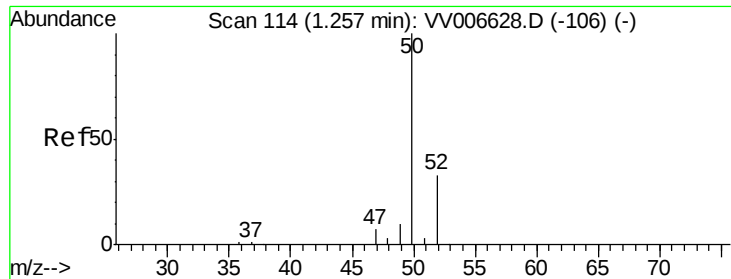
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.373 ug/L

RT: 1.25 min Scan# 112

Delta R.T. -0.01 min

Lab File: VV006638.D

Acq: 18 Jul 2018 19:53

Instrument :

MSVOA_V

ClientSampleId :

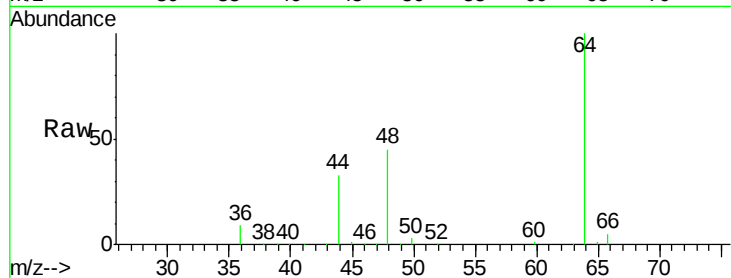
VSTD0.564

Tgt Ion: 50 Resp: 10651

Ion Ratio Lower Upper

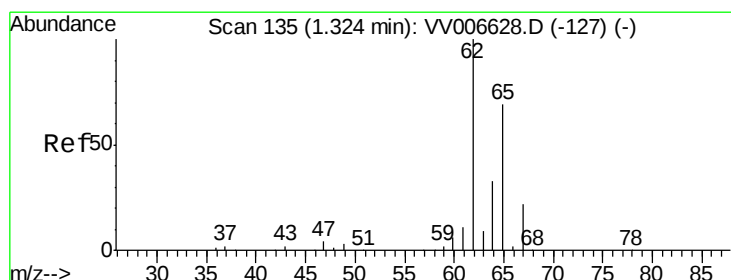
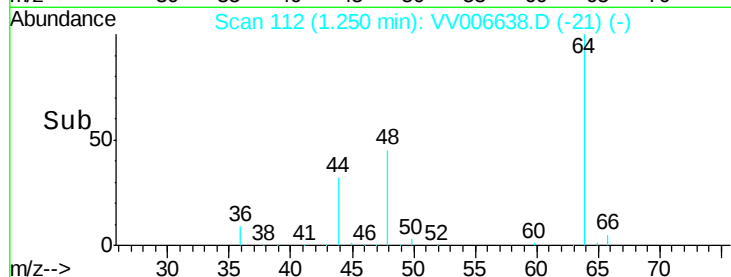
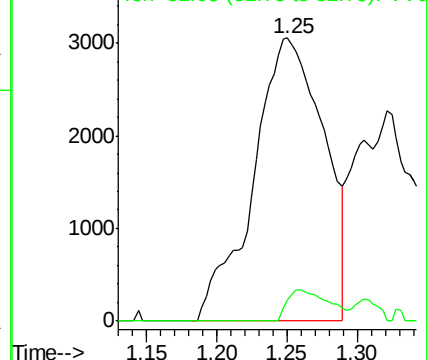
50 100

52 7.3 22.6 42.0#



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



#5

Vinyl chloride

Concen: 5.363 ug/L

RT: 1.32 min Scan# 134

Delta R.T. -0.00 min

Lab File: VV006638.D

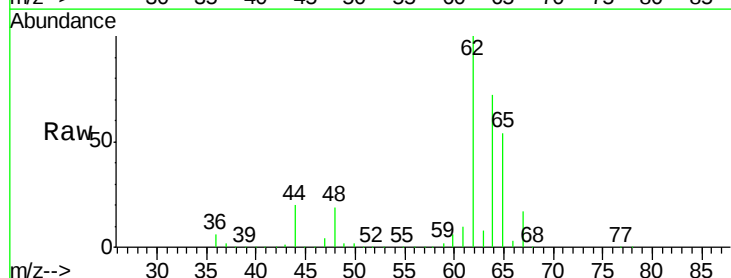
Acq: 18 Jul 2018 19:53

Tgt Ion: 62 Resp: 163309

Ion Ratio Lower Upper

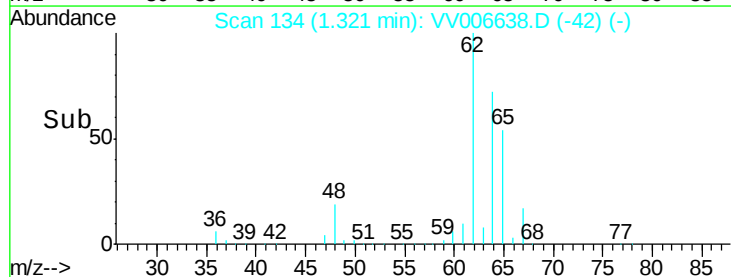
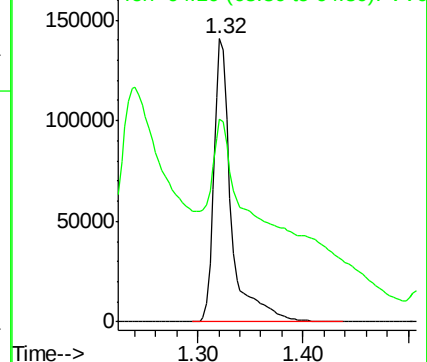
62 100

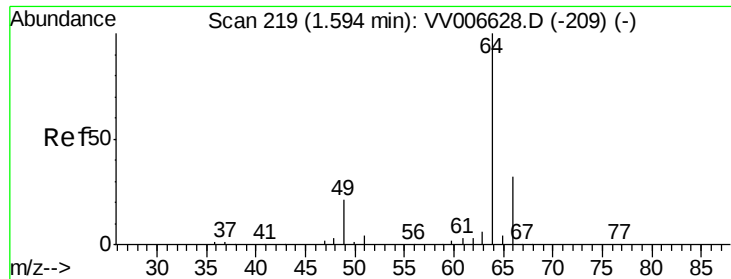
64 71.7 22.6 42.0#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0





#8

Chloroethane

Concen: 21.396 ug/L

RT: 1.32 min Scan# 134

Delta R.T. -0.27 min

Lab File: VV006638.D

Acq: 18 Jul 2018 19:53

Instrument :

MSVOA_V

ClientSampleId :

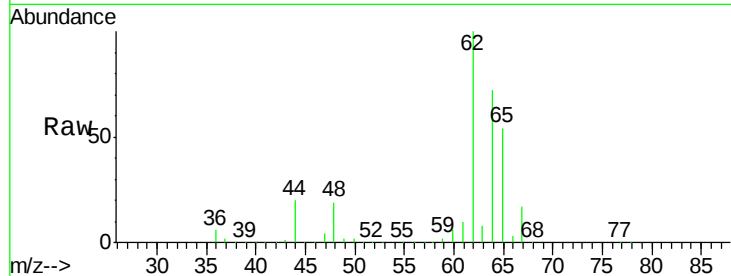
VSTD0.564

Tgt Ion: 64 Resp: 365915

Ion Ratio Lower Upper

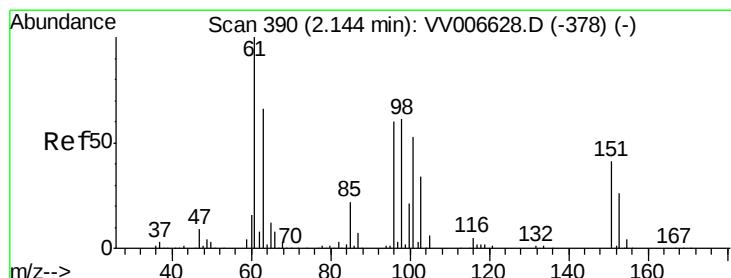
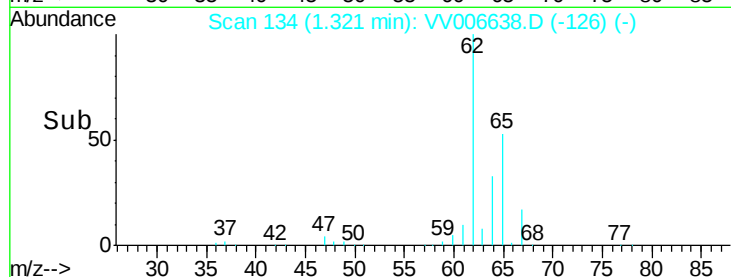
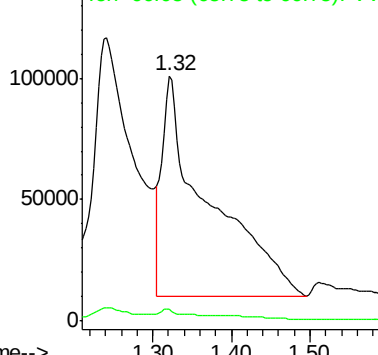
64 100

66 4.7 22.5 41.9#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0



#12

1,1-Dichloroethene

Concen: 4.176 ug/L

RT: 2.14 min Scan# 389

Delta R.T. -0.00 min

Lab File: VV006638.D

Acq: 18 Jul 2018 19:53

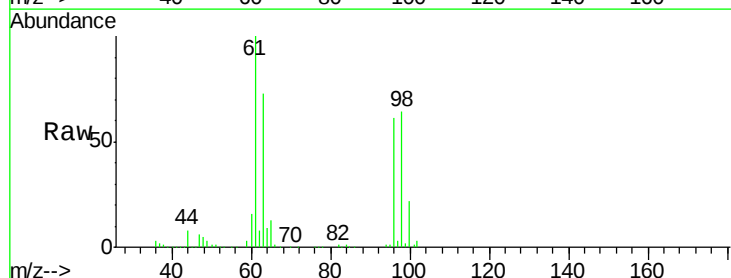
Tgt Ion: 96 Resp: 84765

Ion Ratio Lower Upper

96 100

61 164.1 114.9 213.5

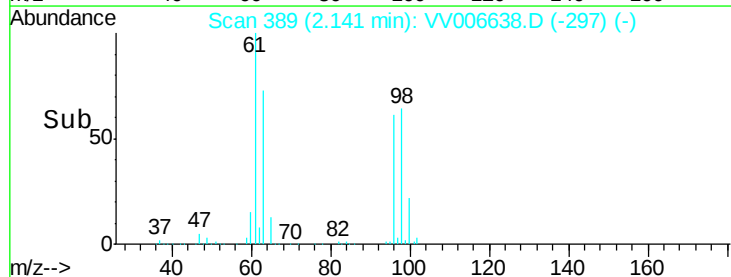
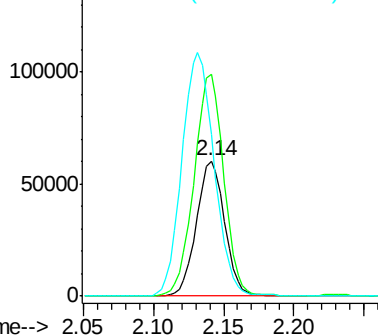
63 119.1 81.9 152.1

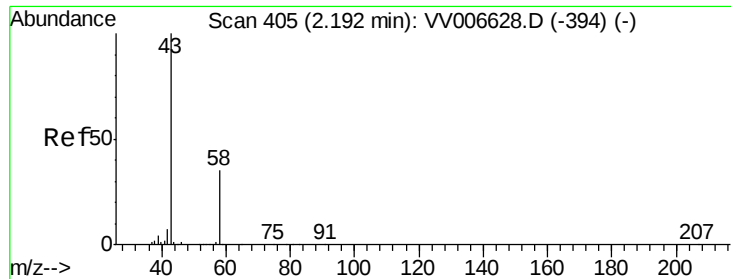


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 1.035 ug/L

RT: 2.19 min Scan# 405

Delta R.T. 0.00 min

Lab File: VV006638.D

Acq: 18 Jul 2018 19:53

Instrument :

MSVOA_V

ClientSampleId :

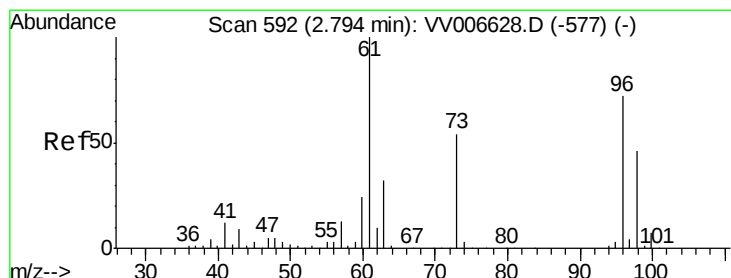
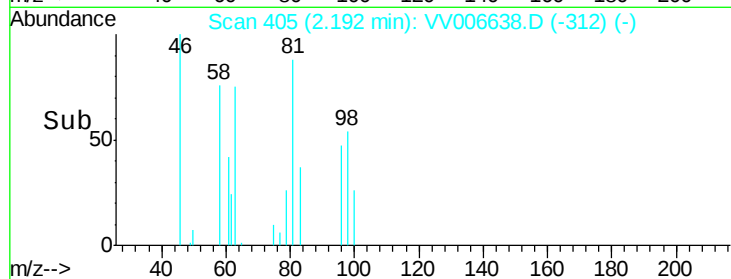
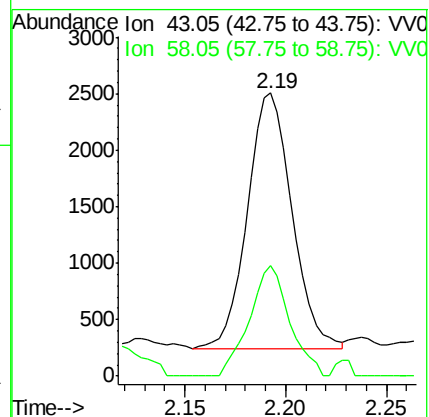
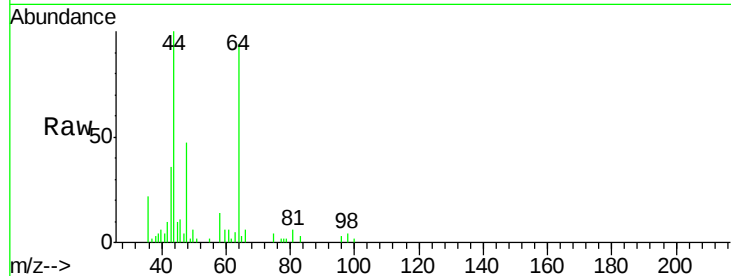
VSTD0.564

Tgt Ion: 43 Resp: 3505

Ion Ratio Lower Upper

43 100

58 39.0 0.0 70.8



#18

trans-1,2-Dichloroethene

Concen: 10.008 ug/L

RT: 2.79 min Scan# 591

Delta R.T. -0.00 min

Lab File: VV006638.D

Acq: 18 Jul 2018 19:53

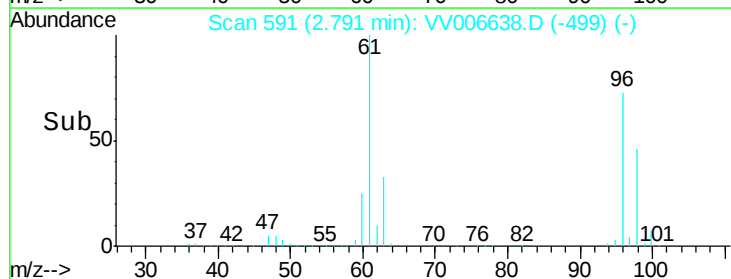
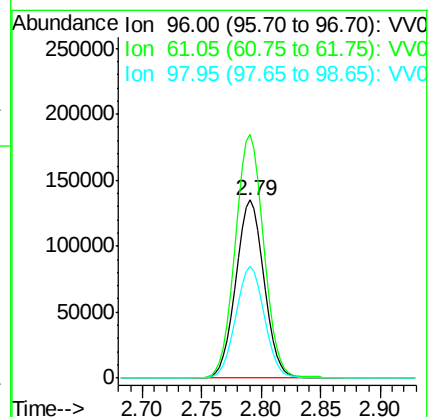
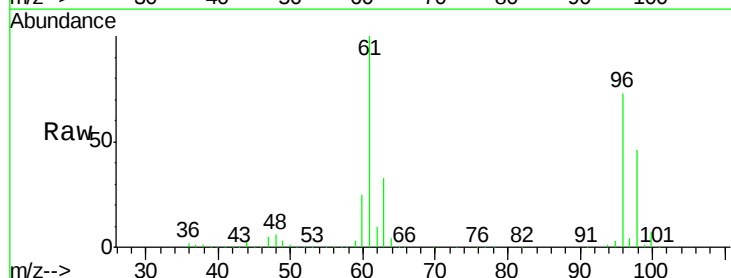
Tgt Ion: 96 Resp: 223287

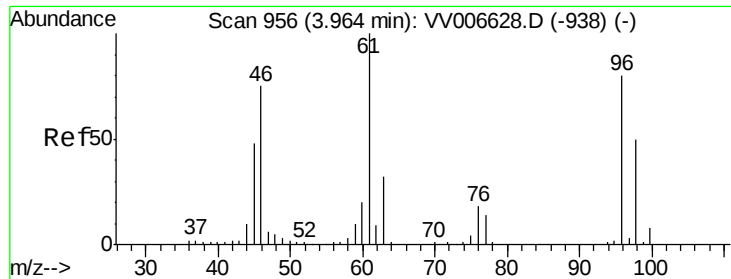
Ion Ratio Lower Upper

96 100

61 136.9 98.1 182.1

98 62.7 44.4 82.4



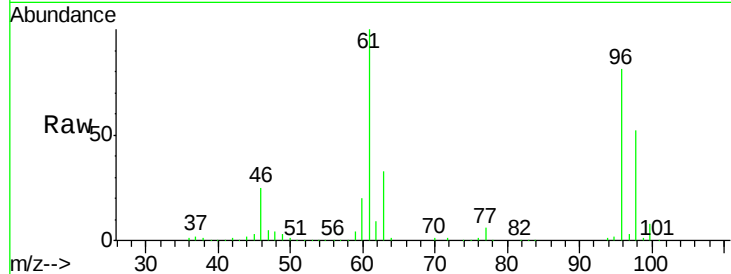


#22

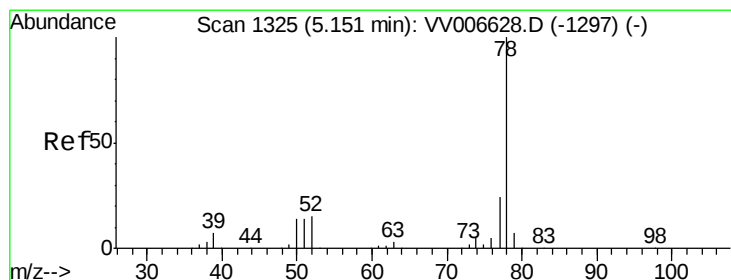
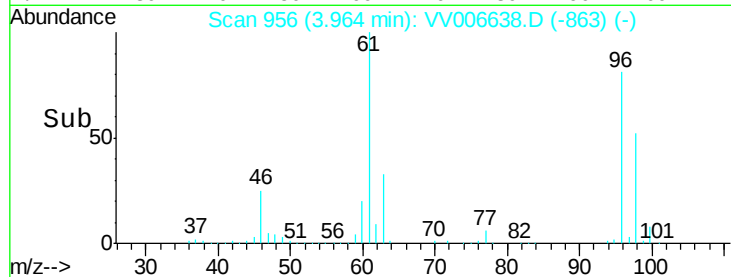
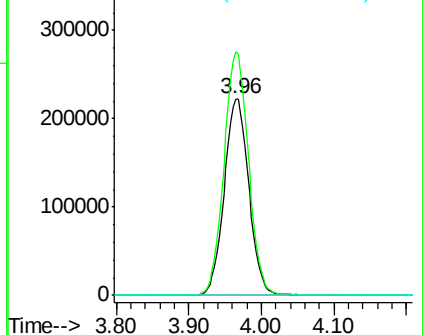
cis-1,2-Dichloroethene
 Concen: 22.432 ug/L
 RT: 3.96 min Scan# 956
 Delta R.T. 0.00 min
 Lab File: VV006638.D
 Acq: 18 Jul 2018 19:53

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.564

Tgt Ion: 96 Resp: 525068
 Ion Ratio Lower Upper
 96 100
 61 123.8 86.2 160.2
 68 0.0 0.0 0.0



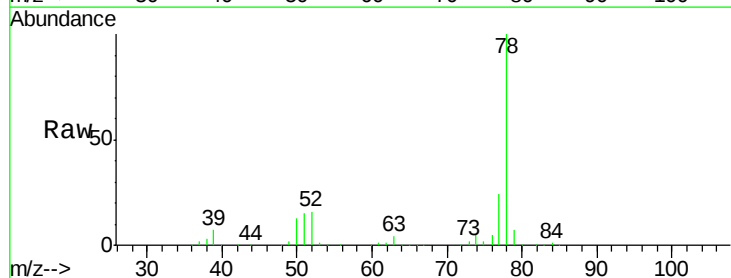
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



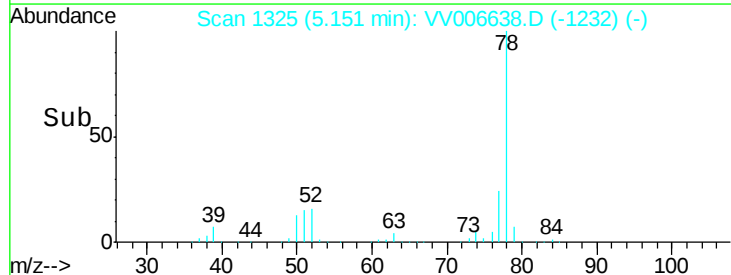
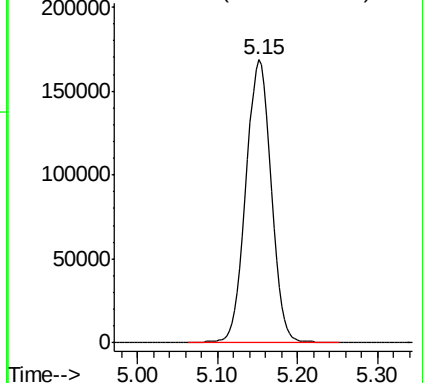
#33

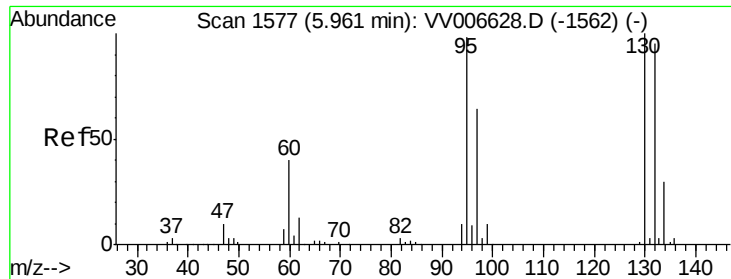
Benzene
 Concen: 4.104 ug/L
 RT: 5.15 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VV006638.D
 Acq: 18 Jul 2018 19:53

Tgt Ion: 78 Resp: 362131



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 12.075 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV006638.D

Acq: 18 Jul 2018 19:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.564

Tgt Ion: 95 Resp: 261358

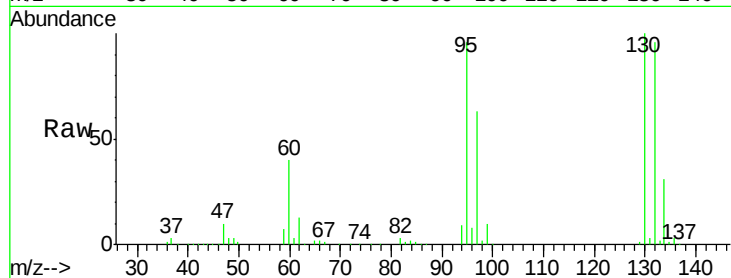
Ion Ratio Lower Upper

95 100

97 65.3 45.1 83.7

132 100.3 69.0 128.2

130 104.1 71.7 133.1

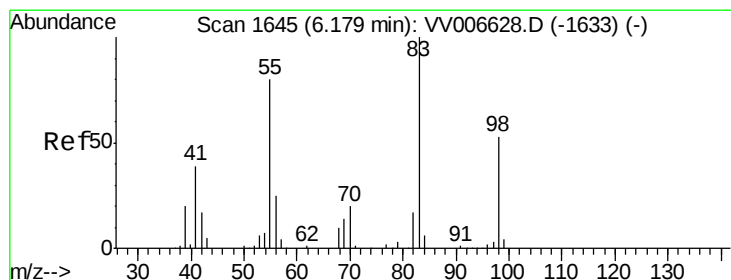
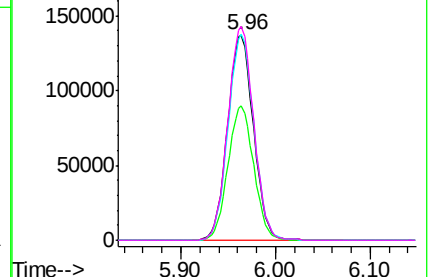
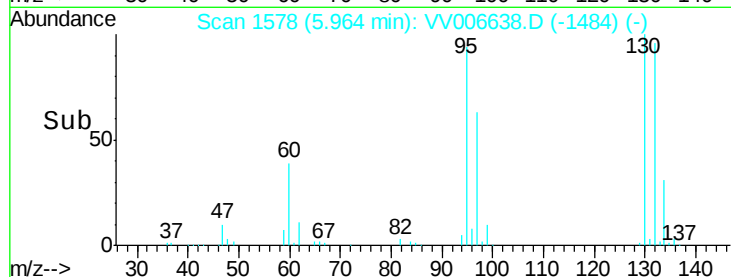


Abundance Ion 95.00 (94.70 to 95.70): VV0

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

Methylcyclohexane

Concen: 0.781 ug/L

RT: 6.12 min Scan# 1628

Delta R.T. -0.05 min

Lab File: VV006638.D

Acq: 18 Jul 2018 19:53

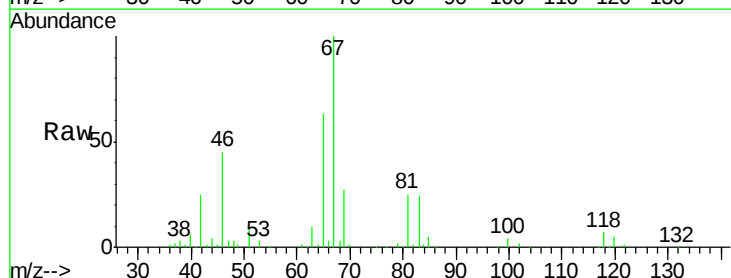
Tgt Ion: 83 Resp: 26744

Ion Ratio Lower Upper

83 100

55 0.2 60.7 91.1#

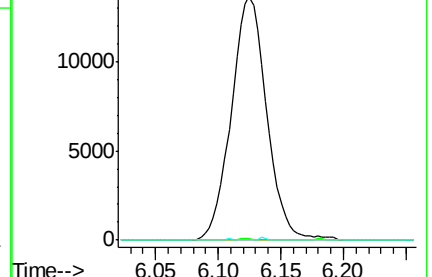
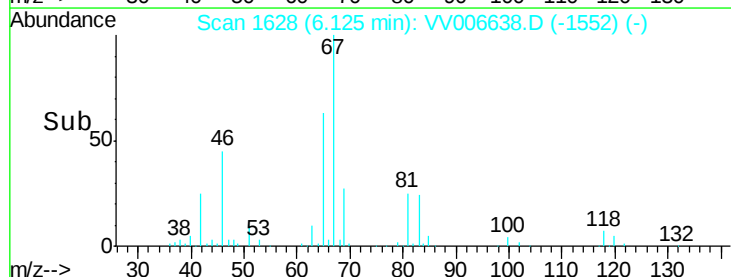
98 0.0 39.1 58.7#

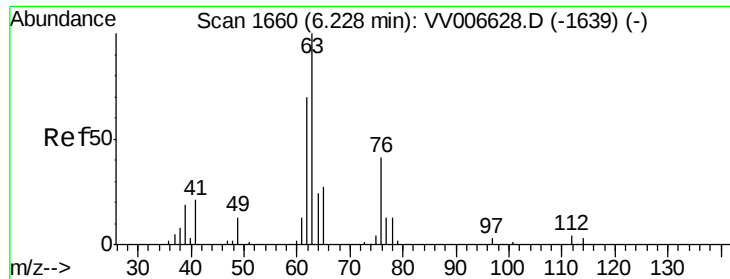


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

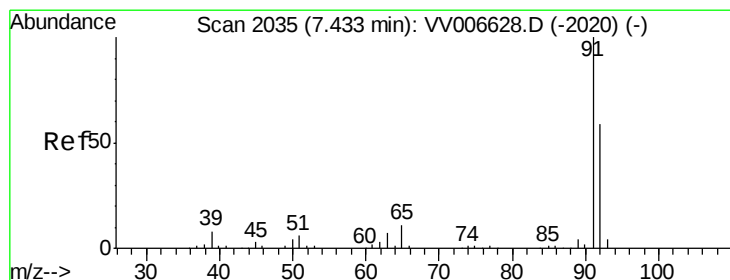
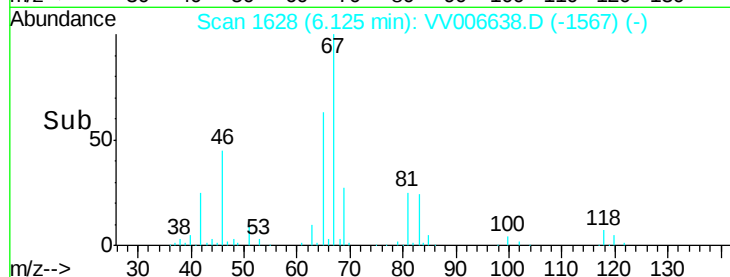
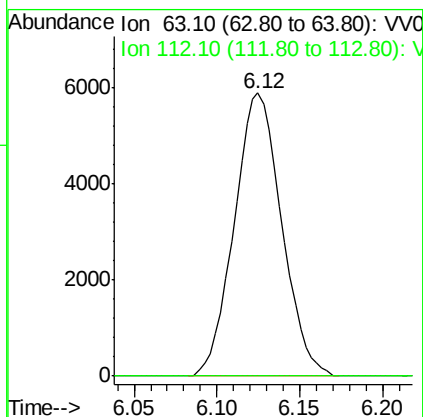
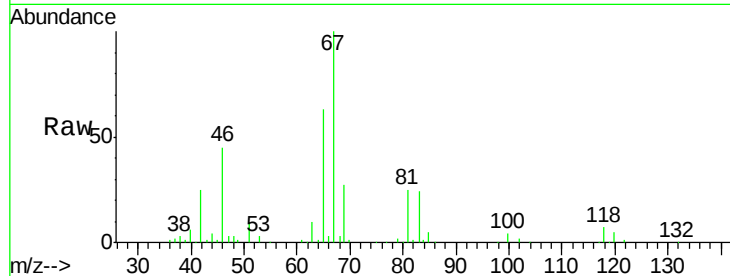




#37
 1,2-Dichloropropane
 Concen: 0.525 ug/L
 RT: 6.12 min Scan# 1628
 Delta R.T. -0.10 min
 Lab File: VV006638.D
 Acq: 18 Jul 2018 19:53

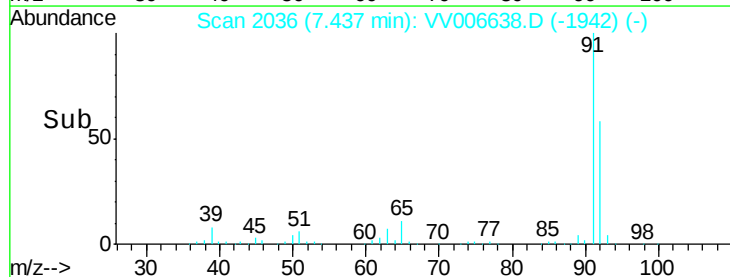
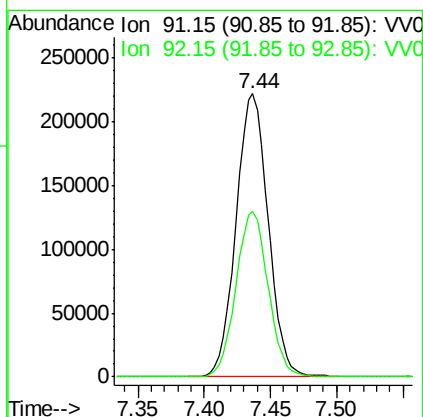
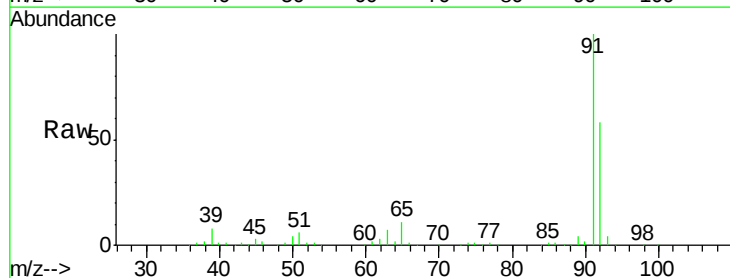
Instrument :
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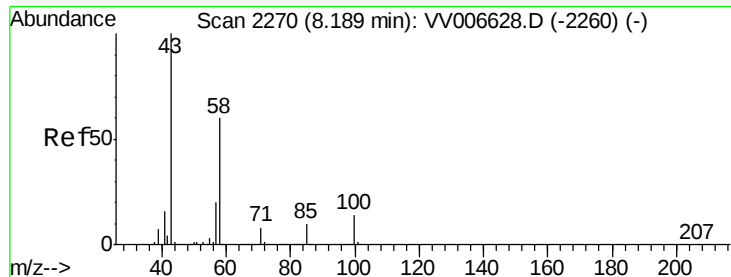
Tgt Ion: 63 Resp: 11670
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.7 5.5#



#42
 Toluene
 Concen: 4.161 ug/L
 RT: 7.44 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VV006638.D
 Acq: 18 Jul 2018 19:53

Tgt Ion: 91 Resp: 374179
 Ion Ratio Lower Upper
 91 100
 92 58.4 40.8 75.8

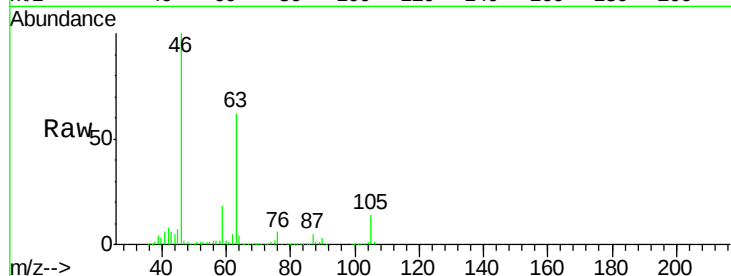




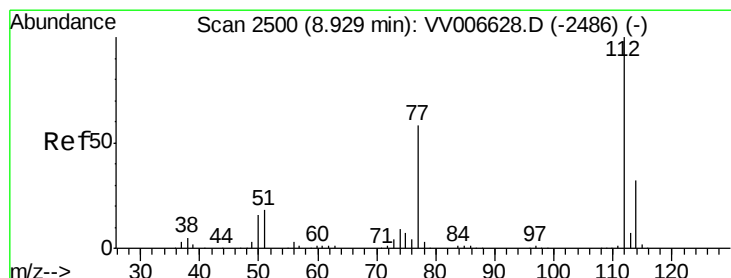
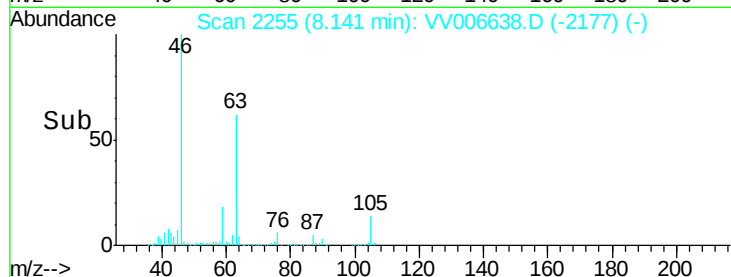
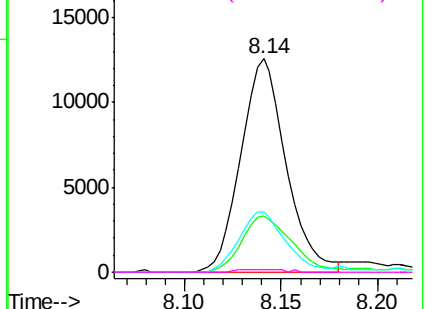
#48
2-Hexanone
Concen: 2.239 ug/L
RT: 8.14 min Scan# 2255
Delta R.T. -0.05 min
Lab File: VV006638.D
Acq: 18 Jul 2018 19:53

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.564

Tgt Ion: 43 Resp: 20472
Ion Ratio Lower Upper
43 100
58 29.0 48.2 72.4#
57 29.3 16.2 24.4#
100 1.4 11.0 16.4#

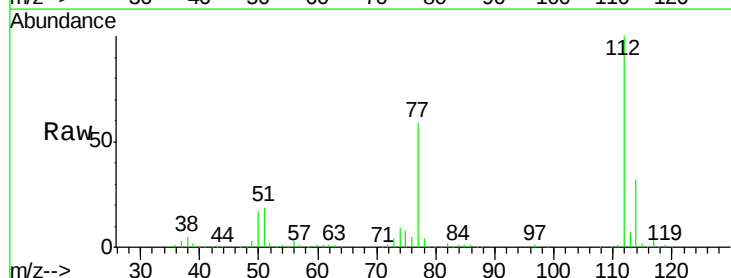


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

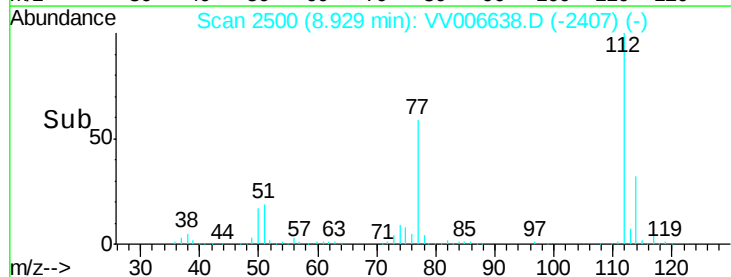
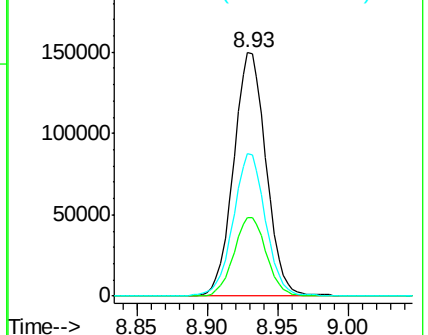


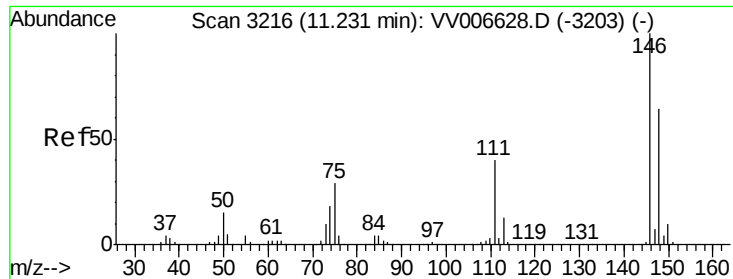
#51
Chlorobenzene
Concen: 4.139 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VV006638.D
Acq: 18 Jul 2018 19:53

Tgt Ion: 112 Resp: 242047
Ion Ratio Lower Upper
112 100
114 32.4 22.6 42.0
77 58.6 46.2 69.4



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





#62

1,3-Dichlorobenzene

Concen: 0.298 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. 0.09 min

Lab File: VV006638.D

Acq: 18 Jul 2018 19:53

Instrument :

MSVOA_V

ClientSampleID :

VSTD0.564

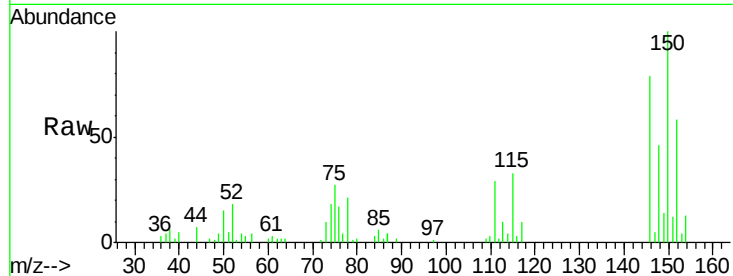
Tgt Ion:146 Resp: 12022

Ion Ratio Lower Upper

146 100

111 36.9 27.4 51.0

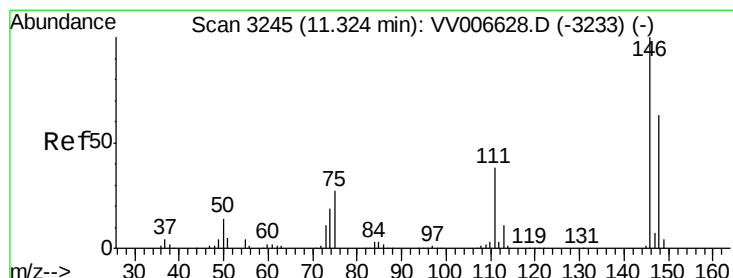
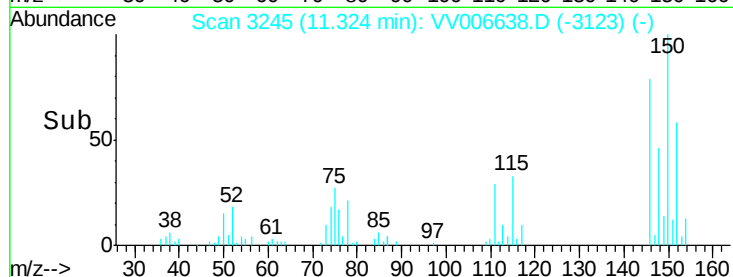
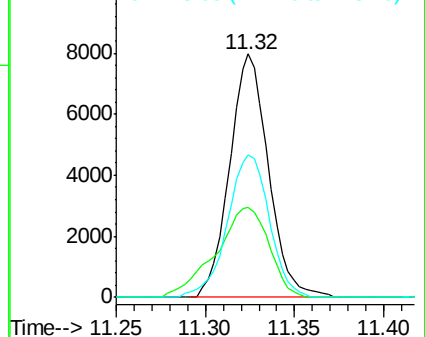
148 58.8 45.2 84.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 0.292 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VV006638.D

Acq: 18 Jul 2018 19:53

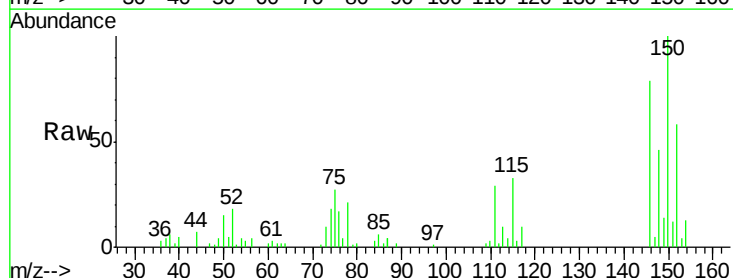
Tgt Ion:146 Resp: 12022

Ion Ratio Lower Upper

146 100

111 36.9 27.1 50.3

148 58.8 45.7 84.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

