

Data File : VV011945.D
Acq On : 18 Jul 2019 19:56
Operator : SY/MD
Sample : K3823-16DL 200X
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A52R6DL

Quant Time: Jul 19 05:48:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jul 19 05:34:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	136697	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	131441	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	60919	5.00	ug/L	0.00

System Monitoring Compounds

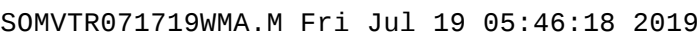
4) Vinyl Chloride-d3	1.32	65	30277	3.02	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	60.40%
7) Chloroethane-d5	1.58	69	25894	3.11	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	62.20%#
11) 1,1-Dichloroethene-d2	2.13	63	49983	3.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.80%
20) 2-Butanone-d5	3.96	46	133645	52.71	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.42%
24) Chloroform-d	4.40	84	97143	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.60%
26) 1,2-Dichloroethane-d4	5.08	65	53274	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.20%
32) Benzene-d6	5.10	84	189375	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.00%
36) 1,2-Dichloropropane-d6	6.12	67	56328	4.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.20%
41) Toluene-d8	7.36	98	163812	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
43) trans-1,3-Dichloropropene-	7.67	79	20139	4.64	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.80%
46) 2-Hexanone-d5	8.14	63	86084	49.32	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.64%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	35747	4.86	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	66696	5.48	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.60%

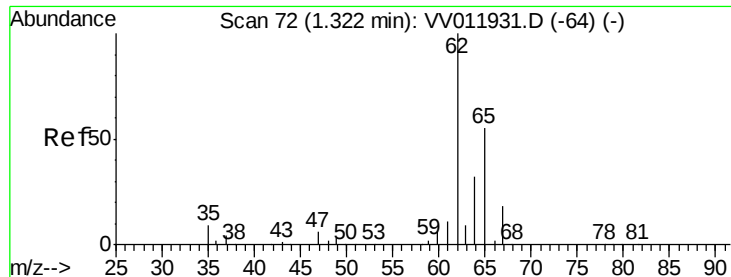
Target Compounds

					Qvalue
5) Vinyl chloride	1.32	62	25388	1.945 ug/L	100
8) Chloroethane	1.32	64	8419	1.134 ug/L #	57
12) 1,1-Dichloroethene	2.14	96	1031	0.142 ug/L #	1
16) Methylene chloride	2.54	84	1251	0.164 ug/L #	69
18) trans-1,2-Dichloroethene	2.79	96	7136	0.697 ug/L	91
22) cis-1,2-Dichloroethene	3.96	96	375705	35.627 ug/L	94
25) Chloroform	4.42	83	4757	0.228 ug/L	96
35) Methylcyclohexane	6.12	83	14492	0.836 ug/L #	16
37) 1,2-Dichloropropane	6.12	63	7067	0.704 ug/L #	87
39) cis-1,3-Dichloropropene	7.04	75	1799	0.131 ug/L #	72
44) trans-1,3-Dichloropropene	7.67	75	975	0.089 ug/L	88
48) 2-Hexanone	8.19	43	7469	1.730 ug/L #	93

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

Quant Time: Jul 19 05:48:28 2019
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#5

Vinyl chloride

Concen: 1.945 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV011945.D

Acq: 18 Jul 2019 19:56

Instrument :

MSVOA_V

ClientSampled :

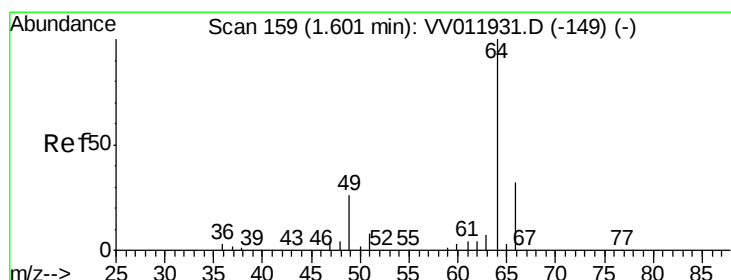
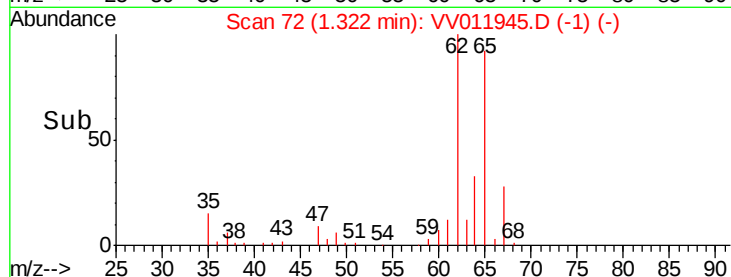
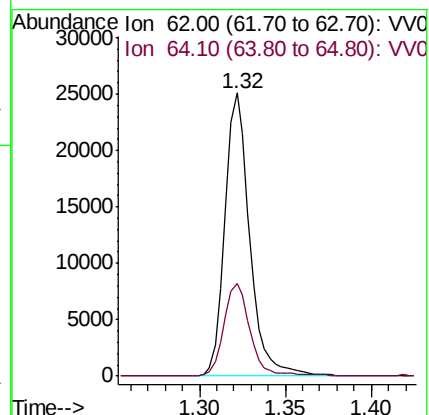
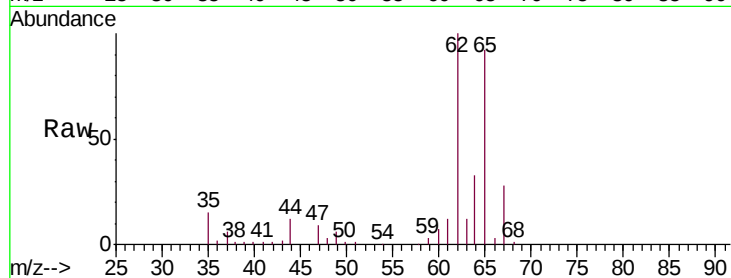
A52R6DL

Tgt Ion: 62 Resp: 25388

Ion Ratio Lower Upper

62 100

64 32.9 22.9 42.5



#8

Chloroethane

Concen: 1.134 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.28 min

Lab File: VV011945.D

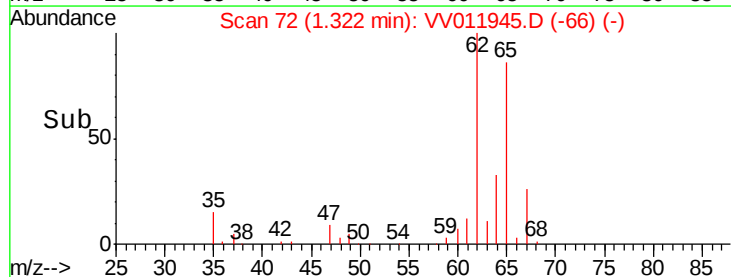
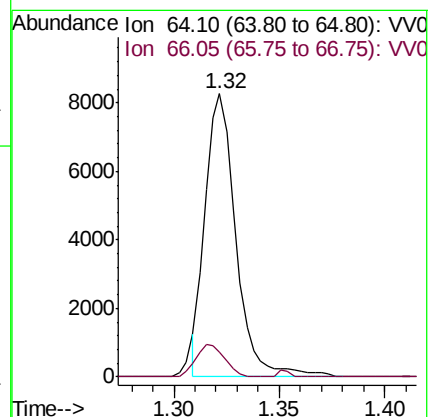
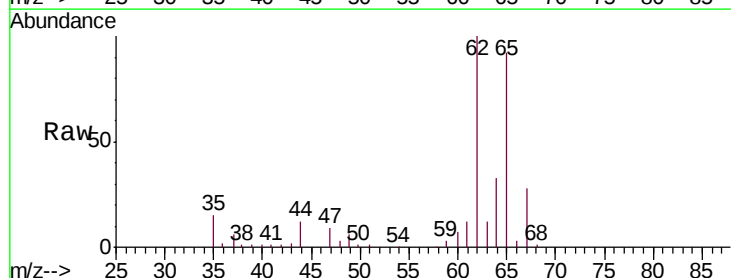
Acq: 18 Jul 2019 19:56

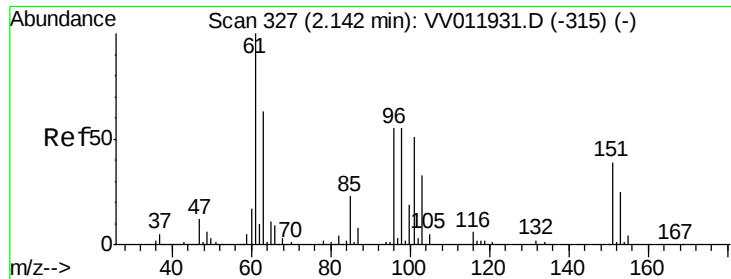
Tgt Ion: 64 Resp: 8419

Ion Ratio Lower Upper

64 100

66 8.8 23.2 43.2#





#12

1,1-Dichloroethene

Concen: 0.142 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV011945.D

Acq: 18 Jul 2019 19:56

Instrument :

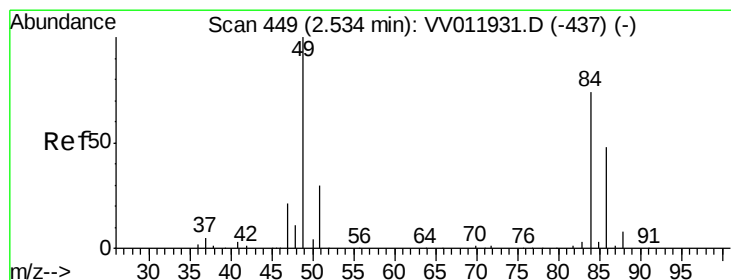
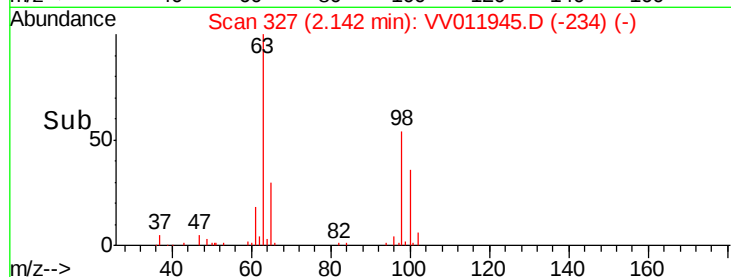
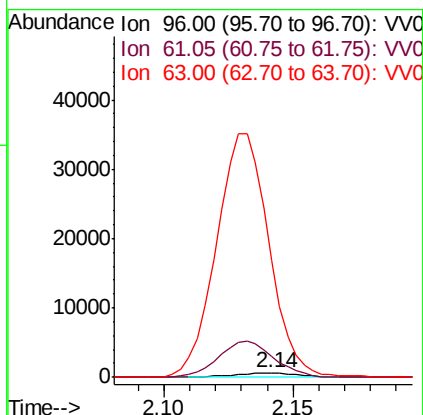
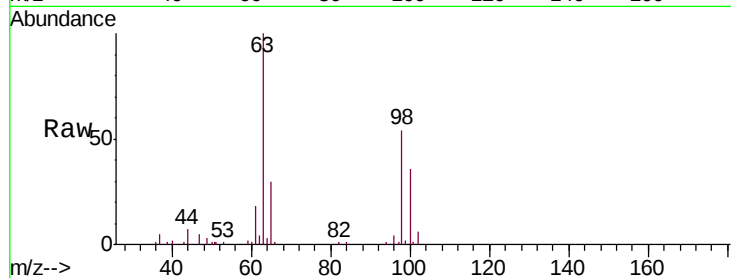
MSVOA_V

ClientSampleId :

A52R6DL

Tgt Ion: 96 Resp: 1031

Ion	Ratio	Lower	Upper
96	100		
61	463.8	128.9	239.3#
63	2649.0	85.5	158.9#



#16

Methylene chloride

Concen: 0.164 ug/L

RT: 2.54 min Scan# 450

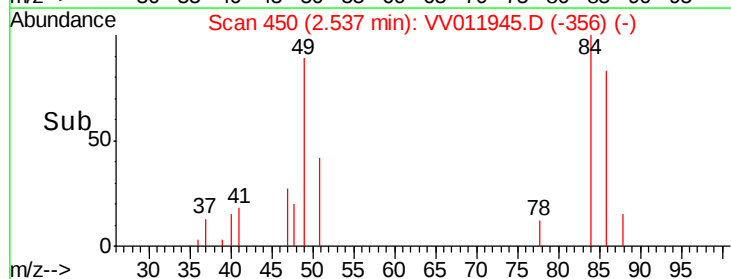
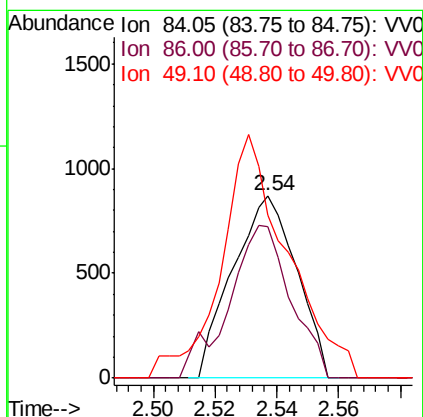
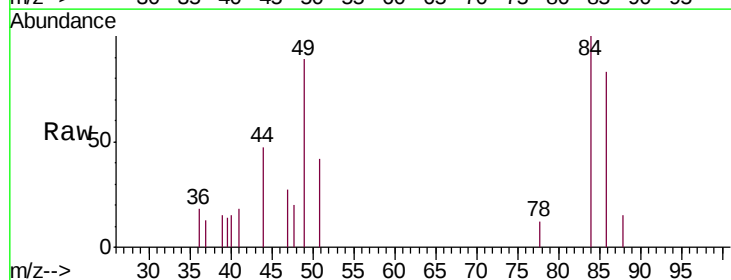
Delta R.T. 0.00 min

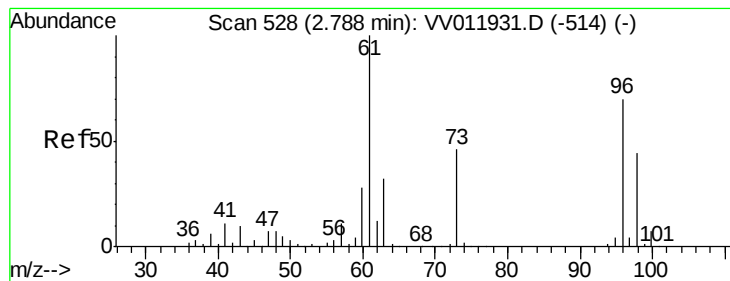
Lab File: VV011945.D

Acq: 18 Jul 2019 19:56

Tgt Ion: 84 Resp: 1251

Ion	Ratio	Lower	Upper
84	100		
86	82.9	44.8	83.2
49	89.2	90.4	168.0#





#18

trans-1,2-Dichloroethene

Concen: 0.697 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV011945.D

Acq: 18 Jul 2019 19:56

Instrument :

MSVOA_V

ClientSampleId :

A52R6DL

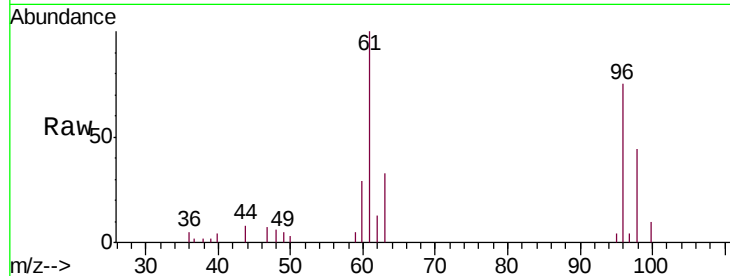
Tgt Ion: 96 Resp: 7136

Ion Ratio Lower Upper

96 100

61 133.4 102.2 189.8

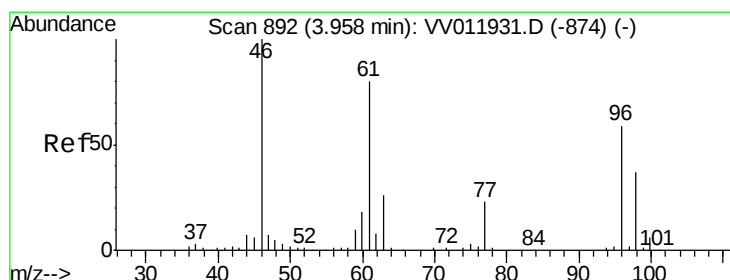
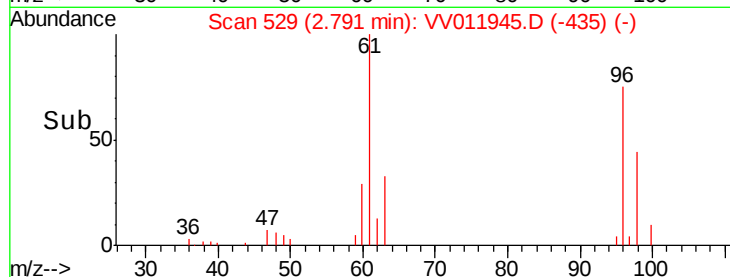
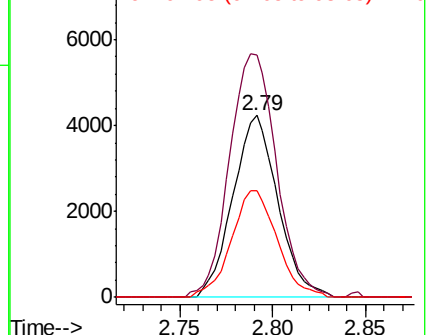
98 58.7 44.4 82.5



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0



#22

cis-1,2-Dichloroethene

Concen: 35.627 ug/L

RT: 3.96 min Scan# 893

Delta R.T. 0.00 min

Lab File: VV011945.D

Acq: 18 Jul 2019 19:56

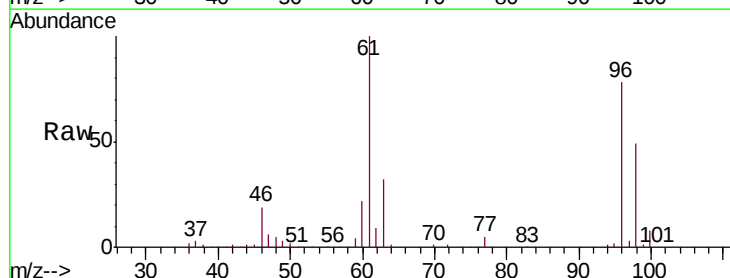
Tgt Ion: 96 Resp: 375705

Ion Ratio Lower Upper

96 100

61 128.3 95.2 176.8

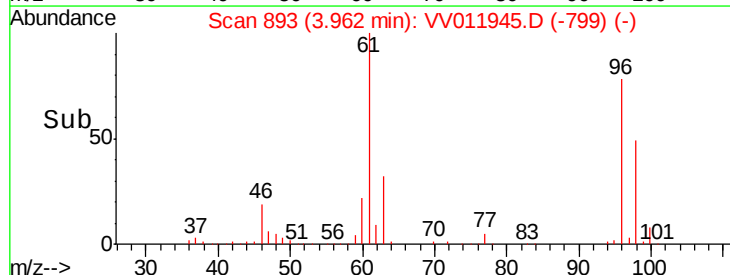
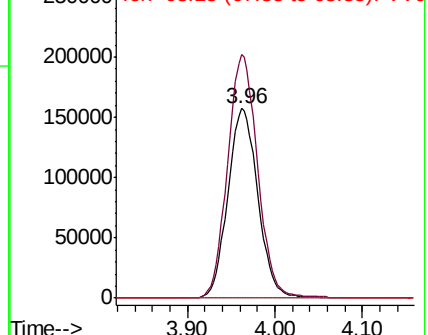
68 0.0 0.0 0.0

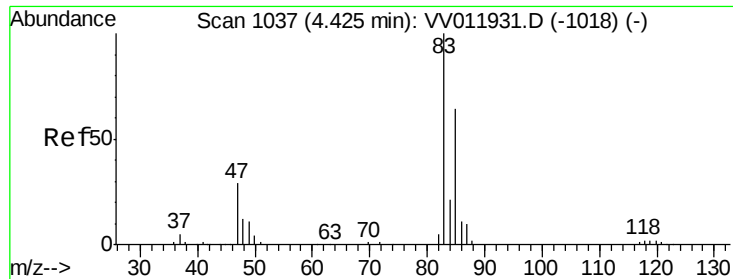


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0





#25

Chloroform

Concen: 0.228 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VV011945.D

Acq: 18 Jul 2019 19:56

Instrument :

MSVOA_V

ClientSampleId :

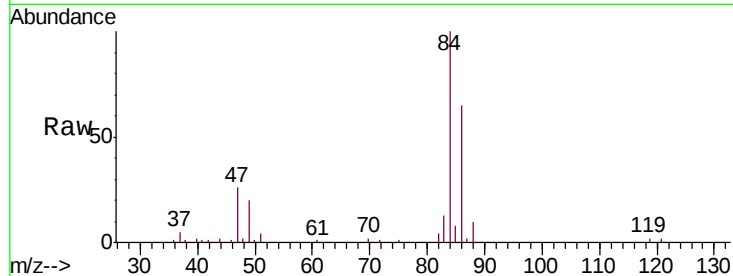
A52R6DL

Tgt Ion: 83 Resp: 4757

Ion Ratio Lower Upper

83 100

85 63.8 42.5 78.9



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0

2000

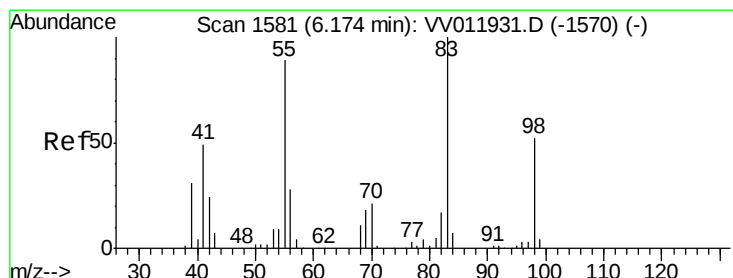
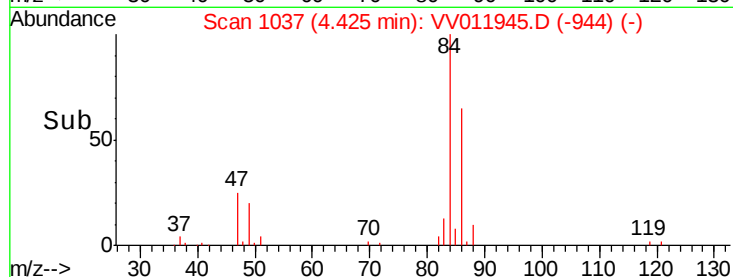
1500

1000

500

0

Time--> 4.35 4.40 4.45 4.50



#35

Methylcyclohexane

Concen: 0.836 ug/L

RT: 6.12 min Scan# 1564

Delta R.T. -0.05 min

Lab File: VV011945.D

Acq: 18 Jul 2019 19:56

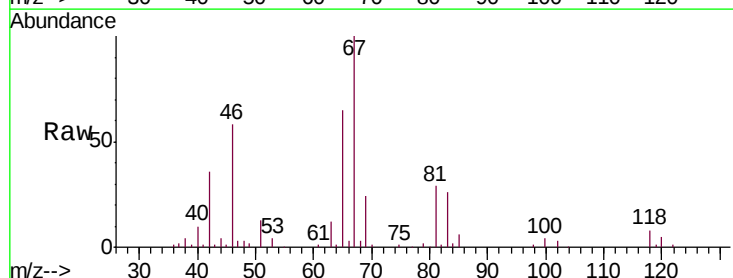
Tgt Ion: 83 Resp: 14492

Ion Ratio Lower Upper

83 100

55 0.3 66.7 100.1#

98 1.1 39.0 58.4#



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

10000

8000

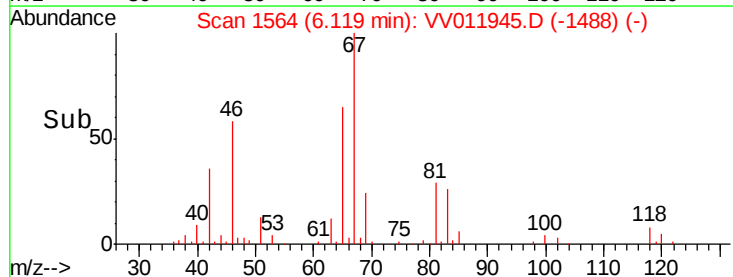
6000

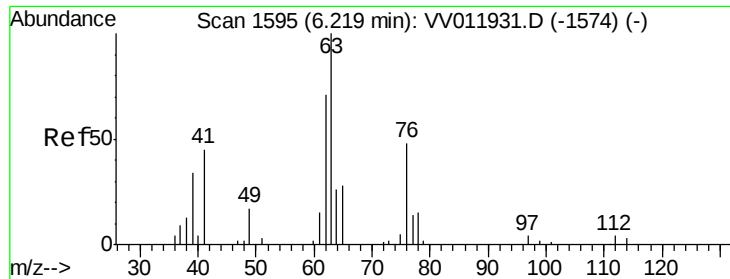
4000

2000

0

Time--> 6.05 6.10 6.15 6.20

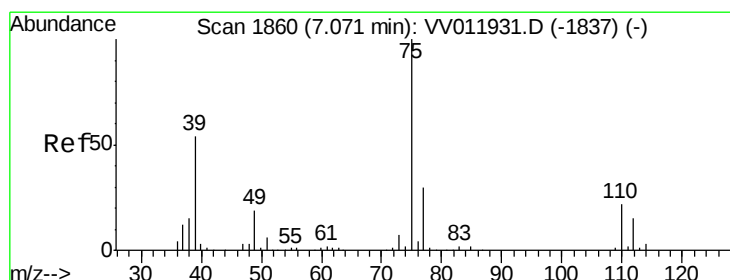
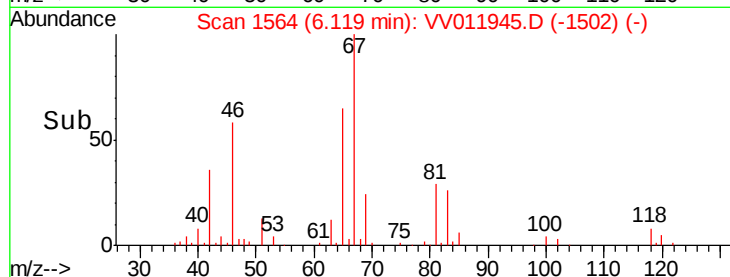
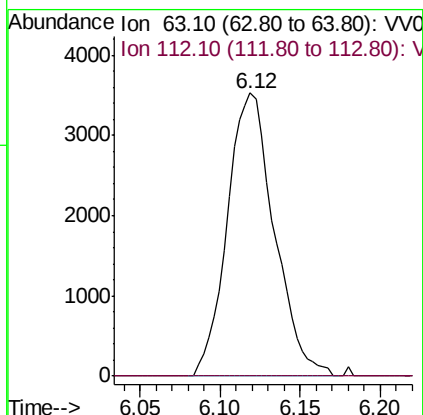
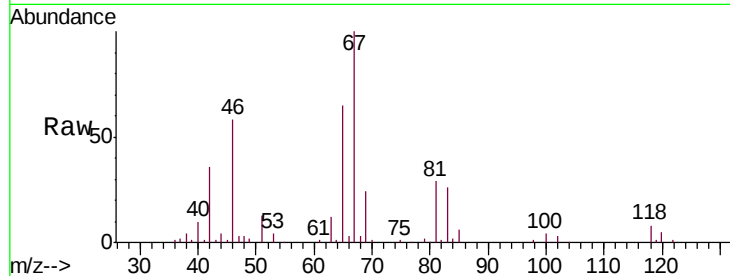




#37
 1,2-Dichloropropane
 Concen: 0.704 ug/L
 RT: 6.12 min Scan# 1564
 Delta R.T. -0.10 min
 Lab File: VV011945.D
 Acq: 18 Jul 2019 19:56

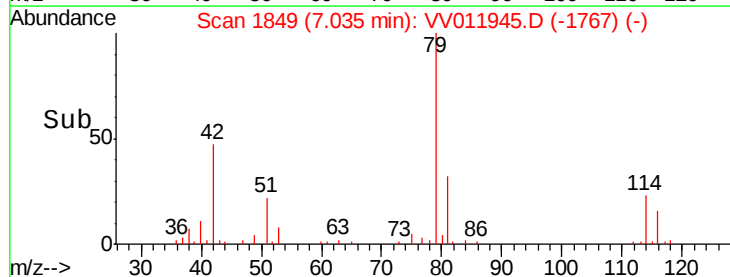
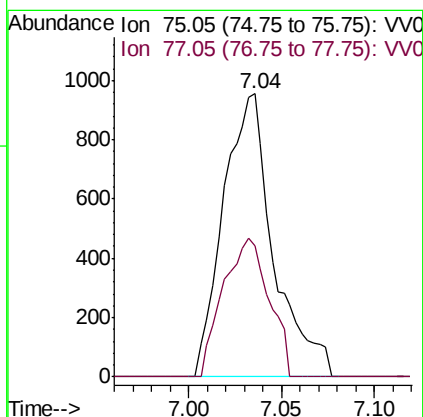
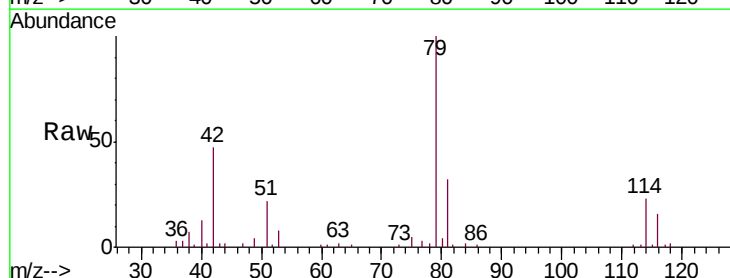
Instrument :
 MSVOA_V
 ClientSampleId :
 A52R6DL

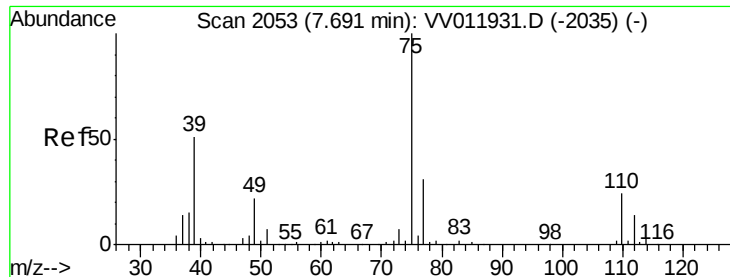
Tgt Ion: 63 Resp: 7067
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.2#



#39
 cis-1,3-Dichloropropene
 Concen: 0.131 ug/L
 RT: 7.04 min Scan# 1849
 Delta R.T. -0.04 min
 Lab File: VV011945.D
 Acq: 18 Jul 2019 19:56

Tgt Ion: 75 Resp: 1799
 Ion Ratio Lower Upper
 75 100
 77 46.3 21.6 40.2#





#44

trans-1,3-Dichloropropene

Concen: 0.089 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV011945.D

Acq: 18 Jul 2019 19:56

Instrument :

MSVOA_V

ClientSampled :

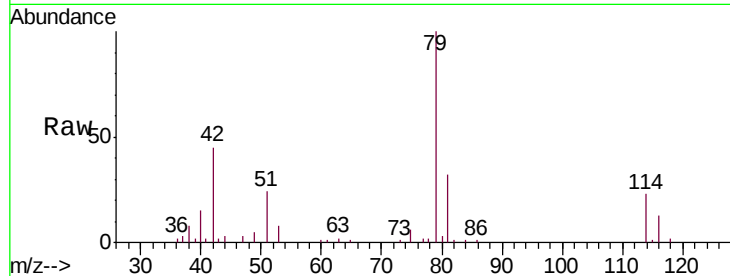
A52R6DL

Tgt Ion: 75 Resp: 975

Ion Ratio Lower Upper

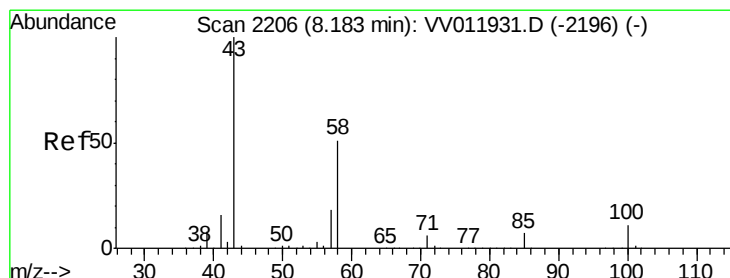
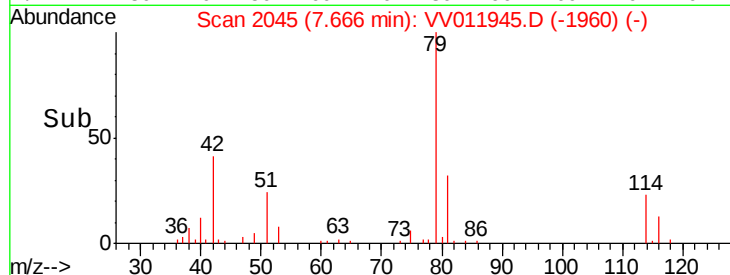
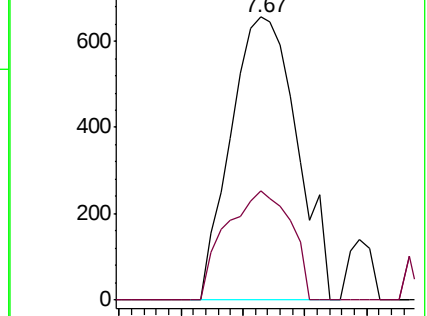
75 100

77 38.4 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#48

2-Hexanone

Concen: 1.730 ug/L

RT: 8.19 min Scan# 2207

Delta R.T. 0.00 min

Lab File: VV011945.D

Acq: 18 Jul 2019 19:56

Tgt Ion: 43 Resp: 7469

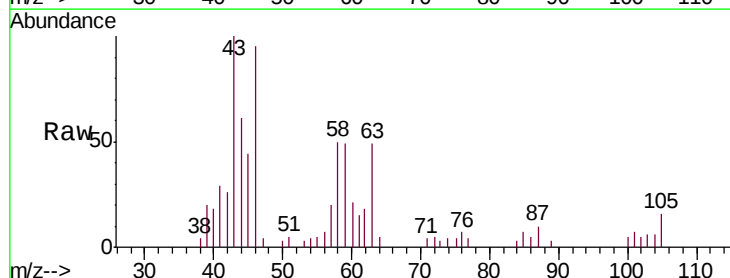
Ion Ratio Lower Upper

43 100

58 46.9 41.1 61.7

57 19.1 14.3 21.5

100 5.3 8.7 13.1#



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

