

Data File : VV011939.D
Acq On : 18 Jul 2019 17:29
Operator : SY/MD
Sample : K3823-07DL 50X
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A52K6DL

Quant Time: Jul 19 05:47:33 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	144209	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	134747	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	63042	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	34618	3.27	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	65.40%
7) Chloroethane-d5	1.58	69	29827	3.40	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	68.00%
11) 1,1-Dichloroethene-d2	2.13	63	54046	3.12	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.40%
20) 2-Butanone-d5	3.94	46	136155	50.90	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.80%
24) Chloroform-d	4.40	84	101866	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
26) 1,2-Dichloroethane-d4	5.08	65	55816	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.40%
32) Benzene-d6	5.10	84	198687	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.40%
36) 1,2-Dichloropropane-d6	6.12	67	61801	5.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.80%
41) Toluene-d8	7.36	98	166602	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.20%
43) trans-1,3-Dichloropropene-	7.67	79	20475	4.61	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.20%
46) 2-Hexanone-d5	8.13	63	87219	48.75	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.50%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	36275	4.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	66661	5.29	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.80%

Target Compounds

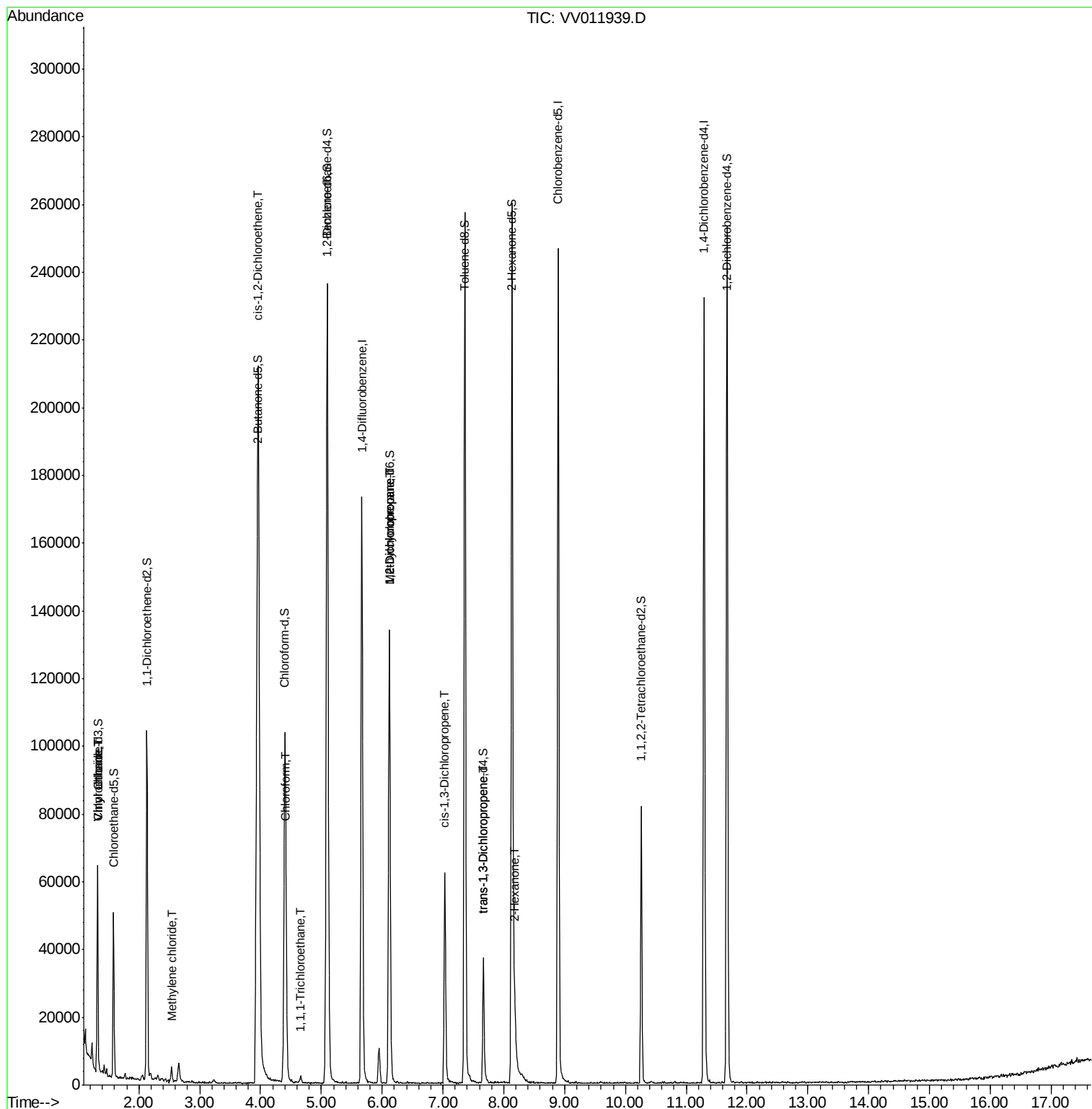
					Qvalue
5) Vinyl chloride	1.33	62	1359	0.099 ug/L #	53
8) Chloroethane	1.32	64	935	0.119 ug/L #	1
16) Methylene chloride	2.54	84	1556	0.193 ug/L	88
22) cis-1,2-Dichloroethene	3.96	96	89411	8.037 ug/L	96
25) Chloroform	4.43	83	4701	0.214 ug/L	99
29) 1,1,1-Trichloroethane	4.65	97	1282	0.077 ug/L	95
35) Methylcyclohexane	6.12	83	15408	0.867 ug/L #	16
37) 1,2-Dichloropropane	6.12	63	7253	0.705 ug/L #	87
39) cis-1,3-Dichloropropene	7.03	75	1684	0.120 ug/L #	58
44) trans-1,3-Dichloropropene	7.67	75	1069	0.095 ug/L #	66
48) 2-Hexanone	8.18	43	8231	1.859 ug/L #	88

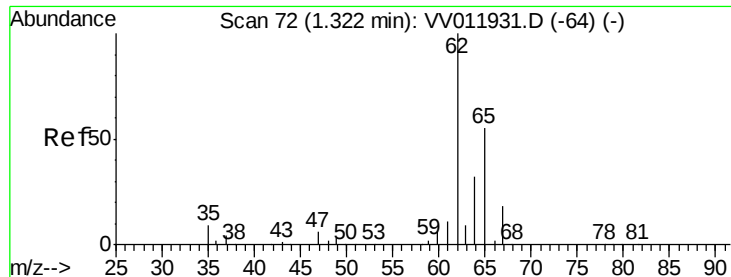
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.099 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV011939.D

Acq: 18 Jul 2019 17:29

Instrument :

MSVOA_V

ClientSampleId :

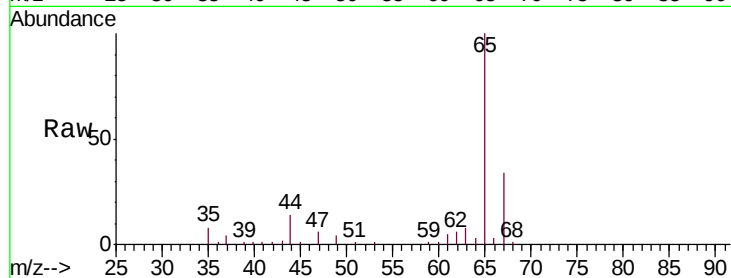
A52K6DL

Tgt Ion: 62 Resp: 1359

Ion Ratio Lower Upper

62 100

64 59.4 22.9 42.5#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.33

1500

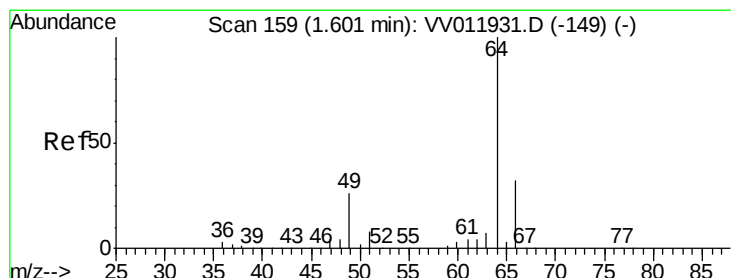
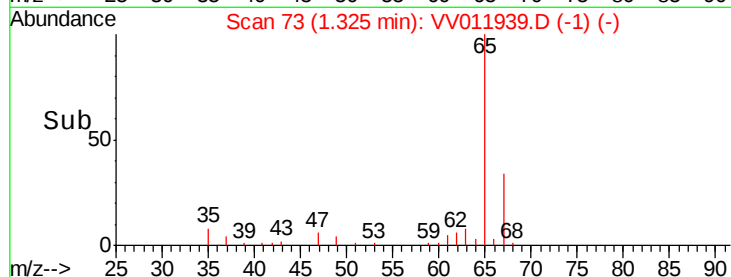
1000

500

0

1.30 1.32 1.34 1.36

Time-->



#8

Chloroethane

Concen: 0.119 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.28 min

Lab File: VV011939.D

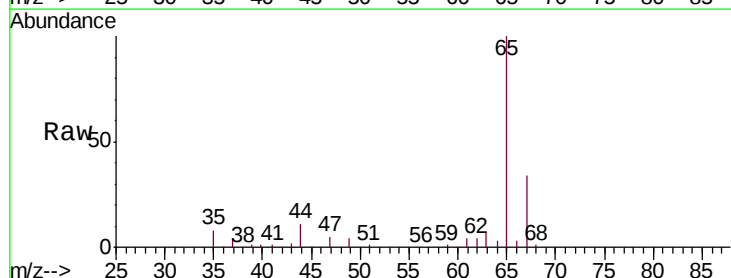
Acq: 18 Jul 2019 17:29

Tgt Ion: 64 Resp: 935

Ion Ratio Lower Upper

64 100

66 103.9 23.2 43.2#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0

1.32

1000

800

600

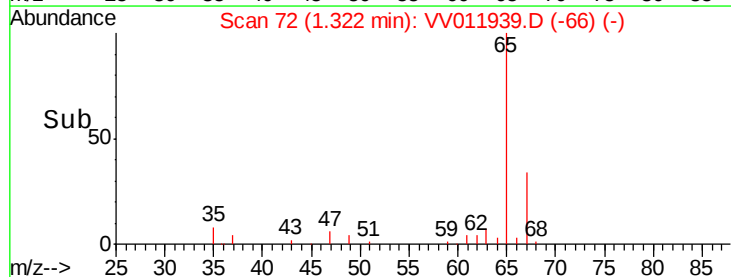
400

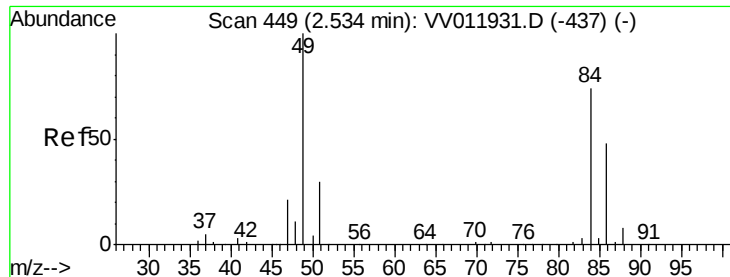
200

0

1.30 1.32 1.34

Time-->

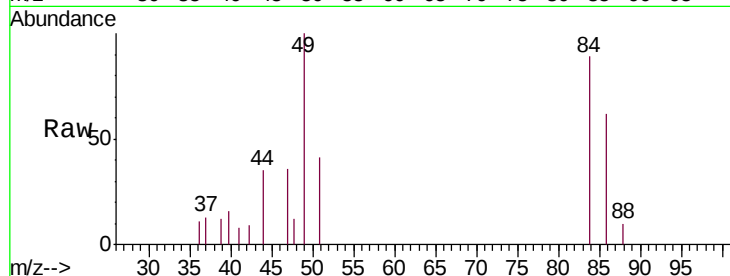




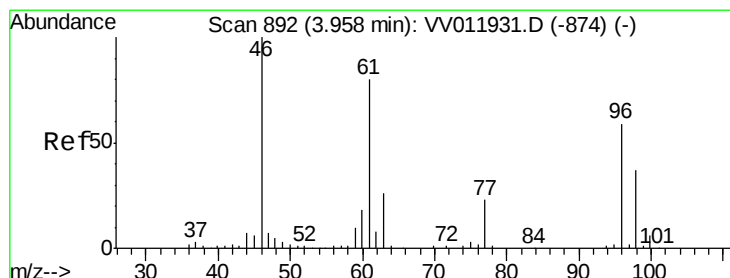
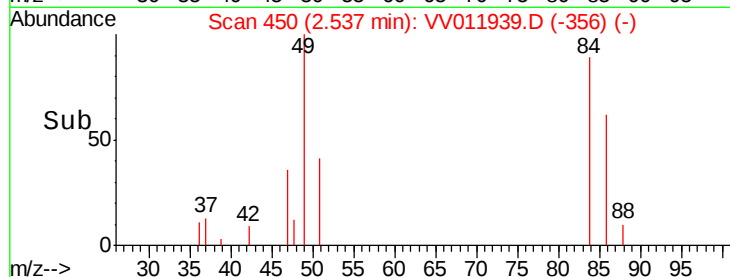
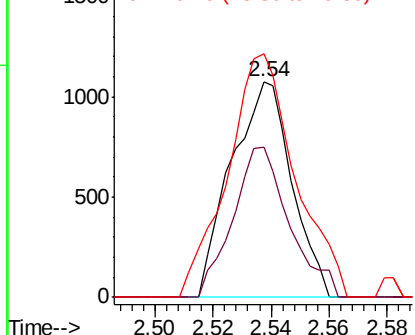
#16
Methylene chloride
Concen: 0.193 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV011939.D
Acq: 18 Jul 2019 17:29

Instrument :
MSVOA_V
ClientSampleId :
A52K6DL

Tgt Ion: 84 Resp: 1556
Ion Ratio Lower Upper
84 100
86 69.7 44.8 83.2
49 112.8 90.4 168.0

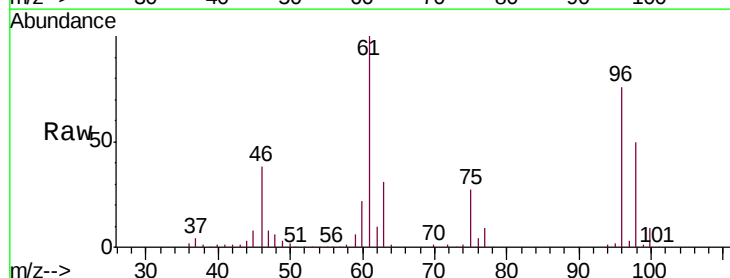


Abundance Ion 84.05 (83.75 to 84.75): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.10 (48.80 to 49.80): VV0

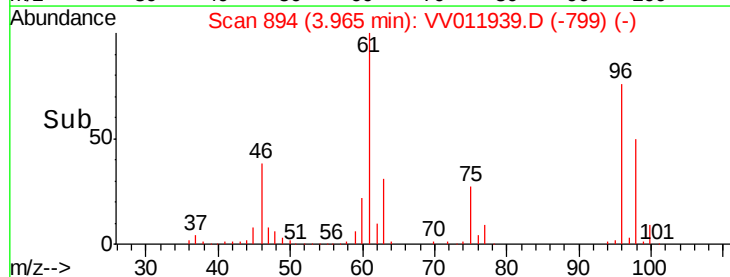
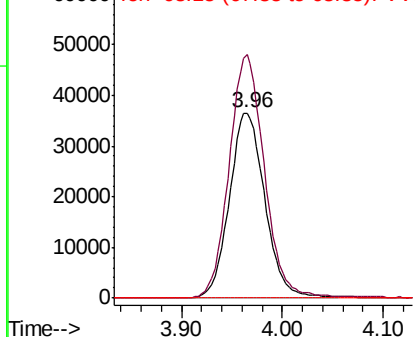


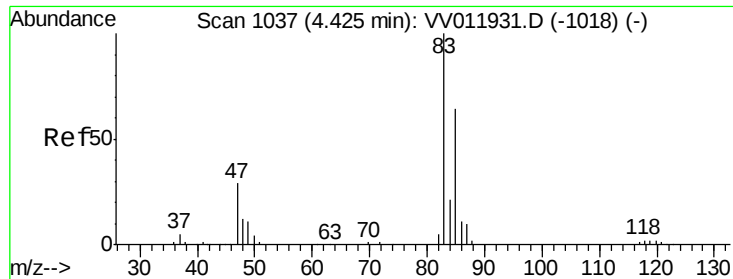
#22
cis-1,2-Dichloroethene
Concen: 8.037 ug/L
RT: 3.96 min Scan# 894
Delta R.T. 0.01 min
Lab File: VV011939.D
Acq: 18 Jul 2019 17:29

Tgt Ion: 96 Resp: 89411
Ion Ratio Lower Upper
96 100
61 131.5 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

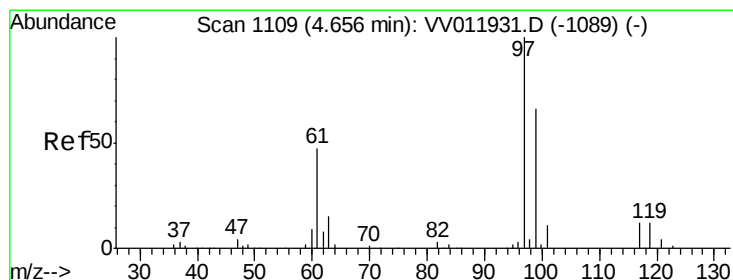
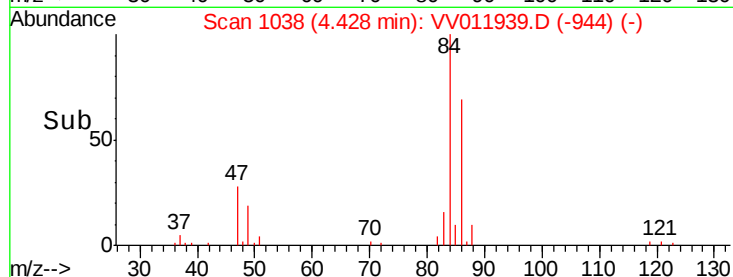
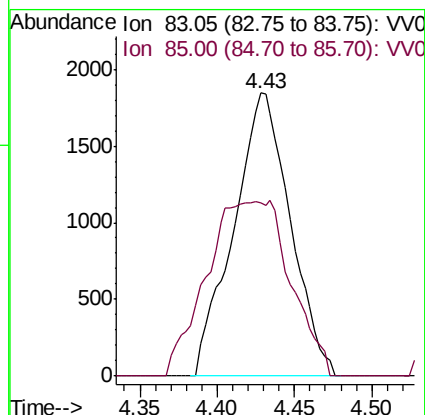
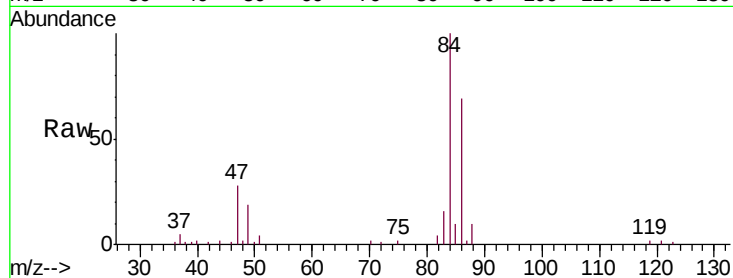




#25
Chloroform
Concen: 0.214 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV011939.D
Acq: 18 Jul 2019 17:29

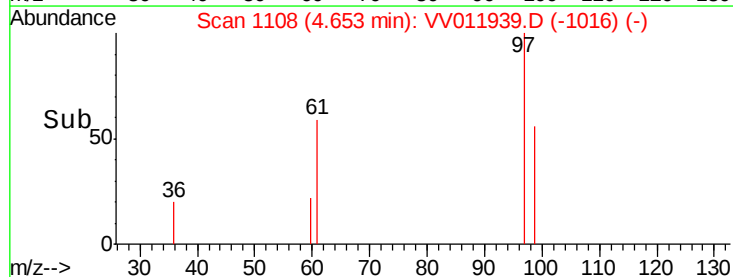
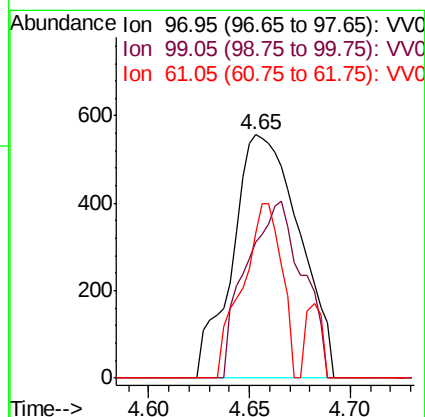
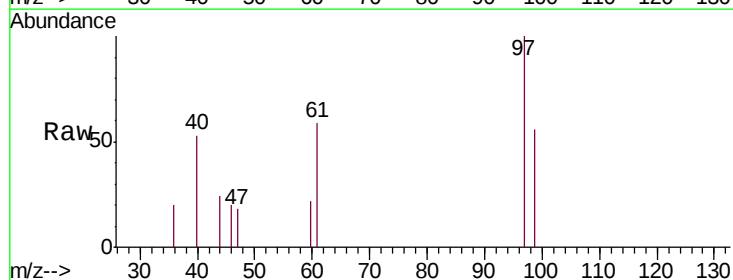
Instrument :
MSVOA_V
ClientSampled :
A52K6DL

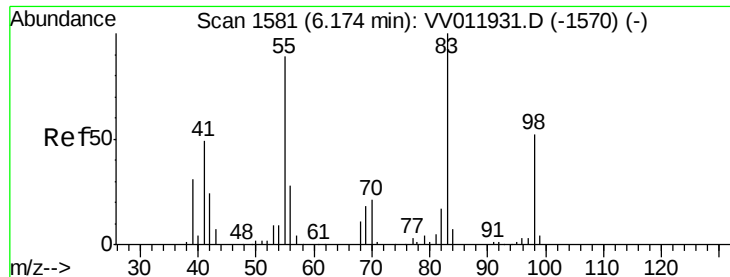
Tgt Ion: 83 Resp: 4701
Ion Ratio Lower Upper
83 100
85 61.1 42.5 78.9



#29
1,1,1-Trichloroethane
Concen: 0.077 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. -0.00 min
Lab File: VV011939.D
Acq: 18 Jul 2019 17:29

Tgt Ion: 97 Resp: 1282
Ion Ratio Lower Upper
97 100
99 61.3 51.1 76.7
61 42.6 38.6 57.8

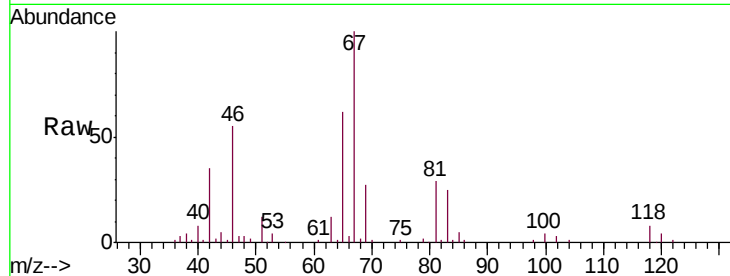




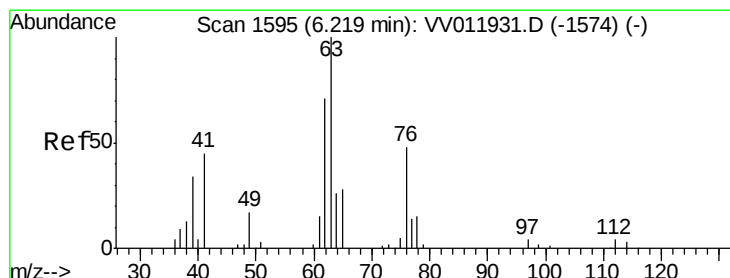
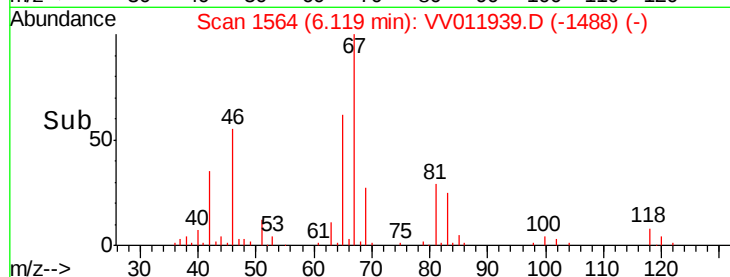
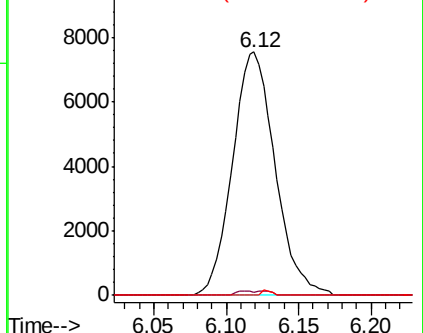
#35
Methylcyclohexane
Concen: 0.867 ug/L
RT: 6.12 min Scan# 1564
Delta R.T. -0.05 min
Lab File: VV011939.D
Acq: 18 Jul 2019 17:29

Instrument :
MSVOA_V
ClientSampleId :
A52K6DL

Tgt Ion: 83 Resp: 15408
Ion Ratio Lower Upper
83 100
55 0.6 66.7 100.1#
98 0.5 39.0 58.4#

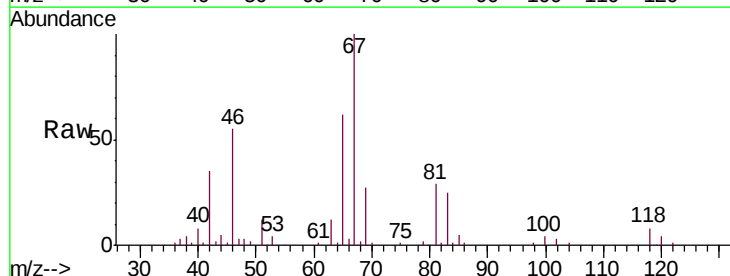


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

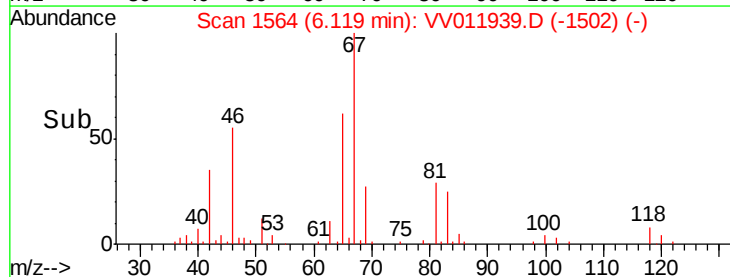
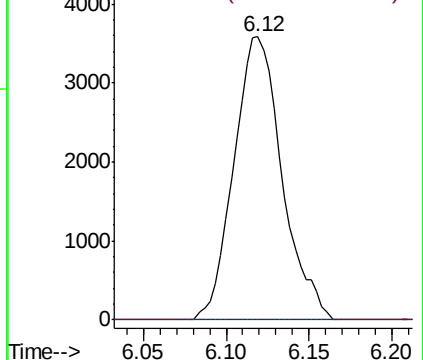


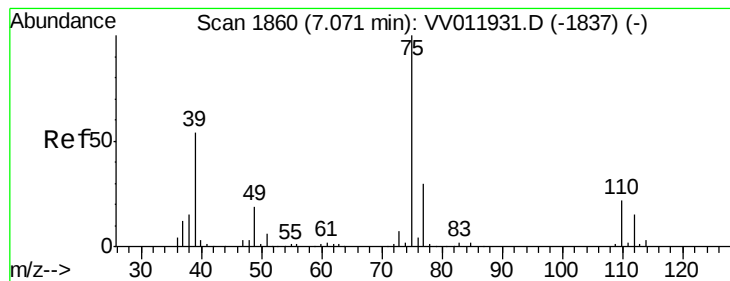
#37
1,2-Dichloropropane
Concen: 0.705 ug/L
RT: 6.12 min Scan# 1564
Delta R.T. -0.10 min
Lab File: VV011939.D
Acq: 18 Jul 2019 17:29

Tgt Ion: 63 Resp: 7253
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.2#



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



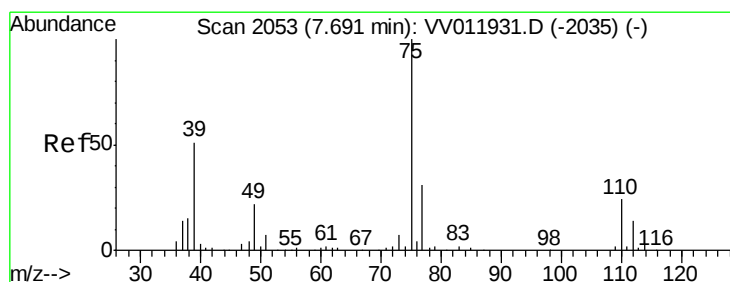
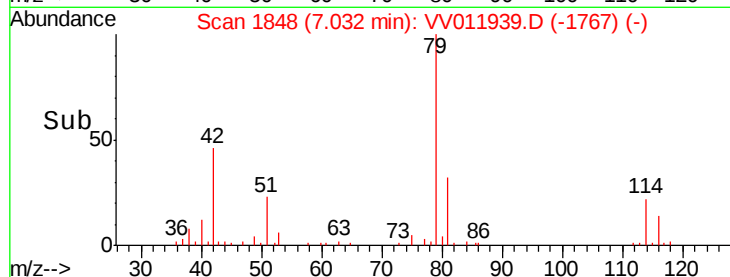
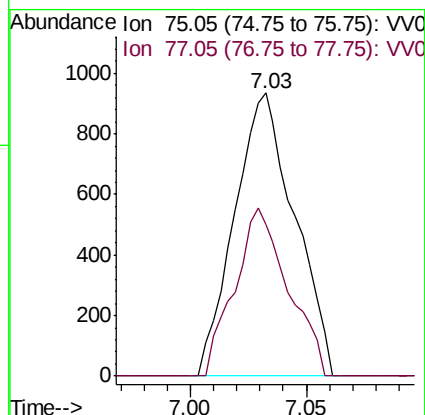
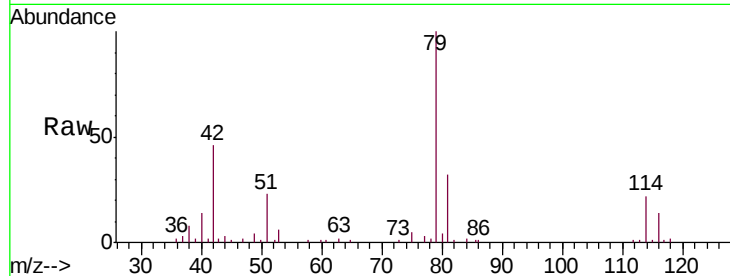


#39

cis-1,3-Dichloropropene
Concen: 0.120 ug/L
RT: 7.03 min Scan# 1848
Delta R.T. -0.04 min
Lab File: VV011939.D
Acq: 18 Jul 2019 17:29

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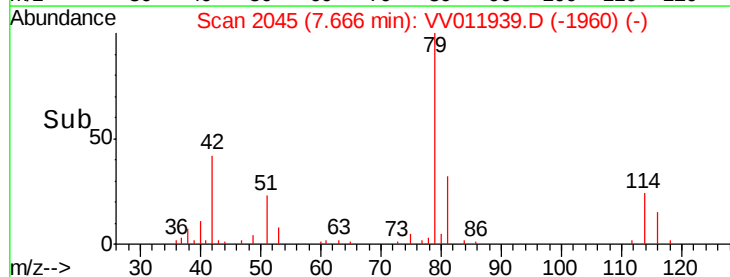
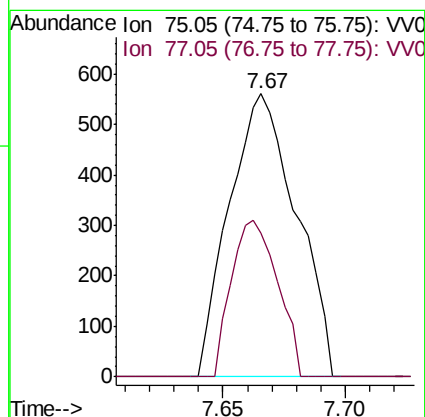
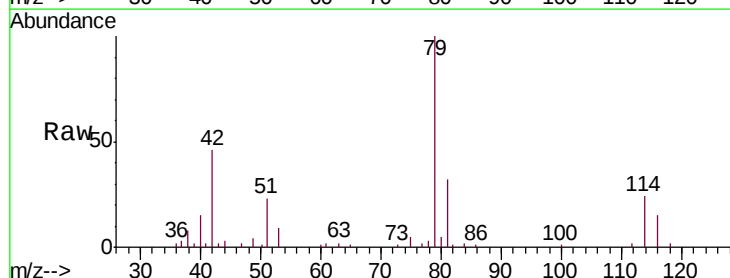
Tgt Ion: 75 Resp: 1684
Ion Ratio Lower Upper
75 100
77 53.7 21.6 40.2#

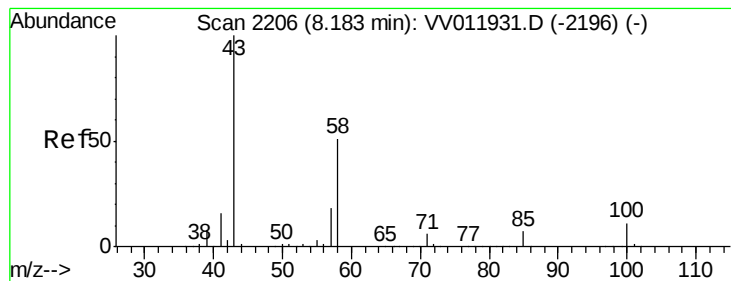


#44

trans-1,3-Dichloropropene
Concen: 0.095 ug/L
RT: 7.67 min Scan# 2045
Delta R.T. -0.03 min
Lab File: VV011939.D
Acq: 18 Jul 2019 17:29

Tgt Ion: 75 Resp: 1069
Ion Ratio Lower Upper
75 100
77 51.0 22.3 41.3#





#48

2-Hexanone

Concen: 1.859 ug/L

RT: 8.18 min Scan# 2205

Delta R.T. -0.00 min

Lab File: VV011939.D

Acq: 18 Jul 2019 17:29

Instrument :
MSVOA_V
ClientSampleId :
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Tgt Ion: 43 Resp: 8231

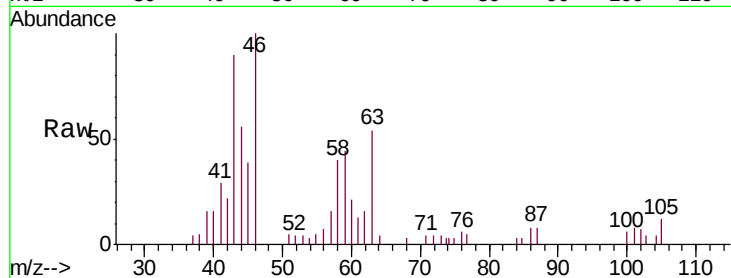
Ion Ratio Lower Upper

43 100

58 40.7 41.1 61.7#

57 18.0 14.3 21.5

100 5.1 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

