

Data File : VV011941.D
Acq On : 18 Jul 2019 18:18
Operator : SY/MD
Sample : K3823-11DL 50X
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A52L8DL

Quant Time: Jul 19 05:47:51 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	131266	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	123609	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	57714	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	31790	3.30	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	66.00%
7) Chloroethane-d5	1.58	69	26528	3.32	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	66.40%
11) 1,1-Dichloroethene-d2	2.13	63	51247	3.25	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.00%
20) 2-Butanone-d5	3.95	46	125857	51.69	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.38%
24) Chloroform-d	4.40	84	98752	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.20%
26) 1,2-Dichloroethane-d4	5.08	65	54171	5.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.20%
32) Benzene-d6	5.10	84	191286	5.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.40%
36) 1,2-Dichloropropane-d6	6.12	67	57517	5.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.40%
41) Toluene-d8	7.36	98	164355	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.20%
43) trans-1,3-Dichloropropene-	7.67	79	19244	4.72	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.40%
46) 2-Hexanone-d5	8.14	63	81616	49.72	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.44%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	35714	5.16	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	68452	5.94	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	118.80%

Target Compounds

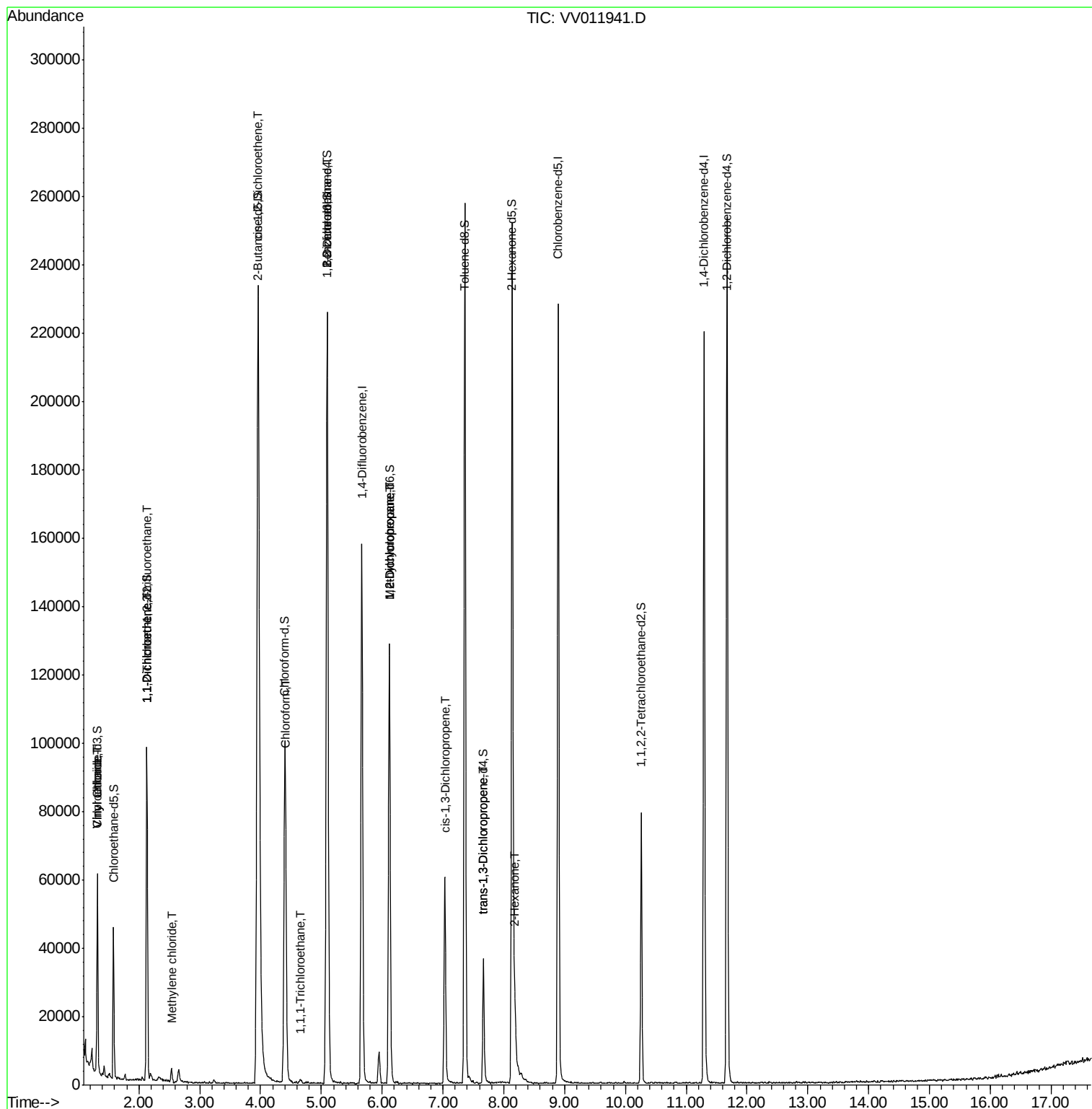
					Qvalue	
5) Vinyl chloride	1.32	62	1497	0.119	ug/L #	49
8) Chloroethane	1.32	64	939	0.132	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	610	0.080	ug/L #	19
12) 1,1-Dichloroethene	2.14	96	1011	0.144	ug/L #	1
16) Methylene chloride	2.54	84	1623	0.221	ug/L	75
22) cis-1,2-Dichloroethene	3.96	96	98303	9.707	ug/L	96
25) Chloroform	4.42	83	4733	0.237	ug/L	97
27) 1,2-Dichloroethane	5.10	62	1379	0.117	ug/L #	75
29) 1,1,1-Trichloroethane	4.65	97	1099	0.072	ug/L #	53
35) Methylcyclohexane	6.12	83	14836	0.910	ug/L #	16
37) 1,2-Dichloropropane	6.12	63	6857	0.726	ug/L #	87
39) cis-1,3-Dichloropropene	7.03	75	1622	0.125	ug/L #	50
44) trans-1,3-Dichloropropene	7.67	75	961	0.094	ug/L #	82
48) 2-Hexanone	8.18	43	7806	1.922	ug/L #	89

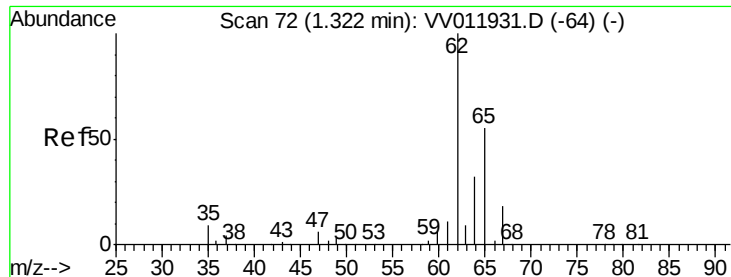
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.119 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV011941.D

Acq: 18 Jul 2019 18:18

Instrument :

MSVOA_V

ClientSampleId :

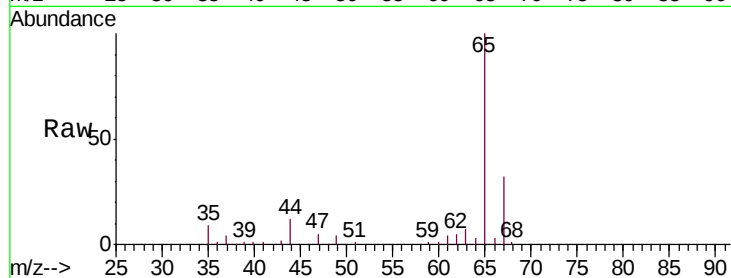
A52L8DL

Tgt Ion: 62 Resp: 1497

Ion Ratio Lower Upper

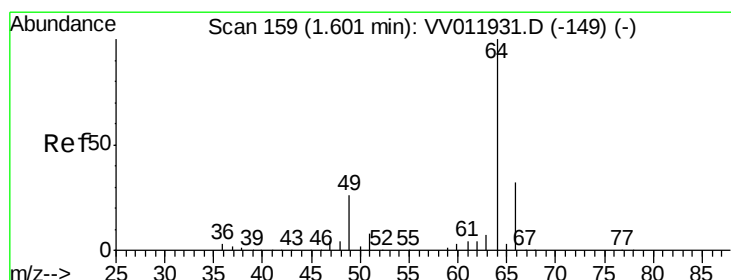
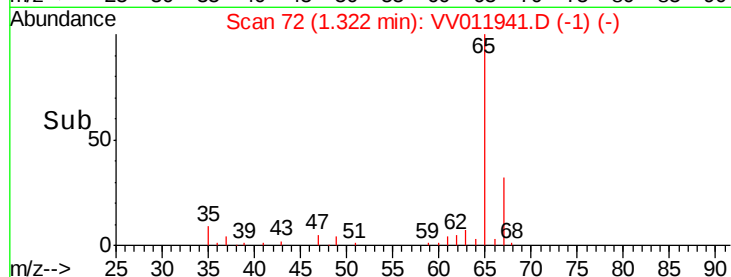
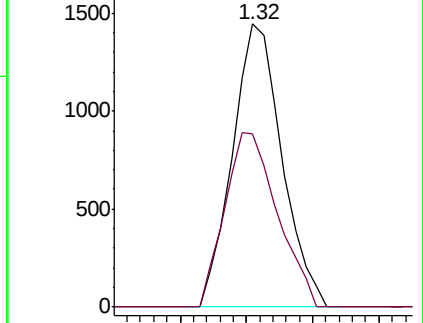
62 100

64 61.4 22.9 42.5#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#8

Chloroethane

Concen: 0.132 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.28 min

Lab File: VV011941.D

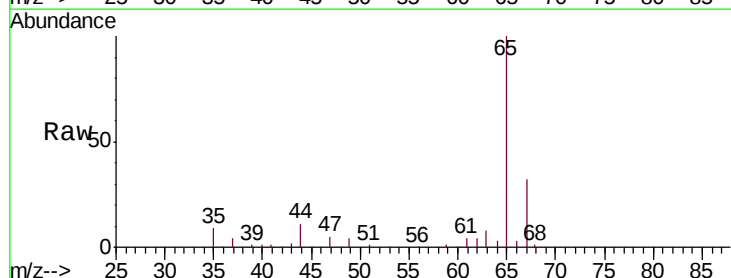
Acq: 18 Jul 2019 18:18

Tgt Ion: 64 Resp: 939

Ion Ratio Lower Upper

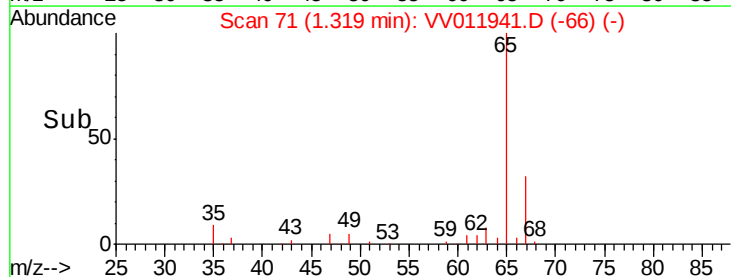
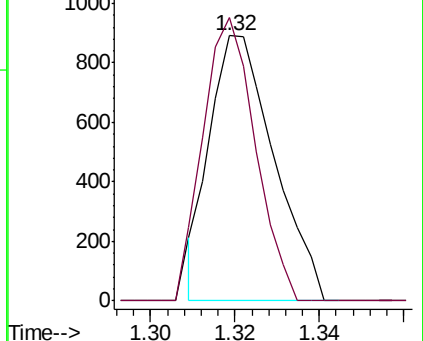
64 100

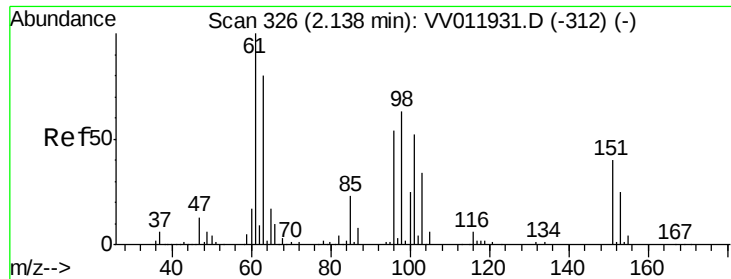
66 106.8 23.2 43.2#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.080 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV011941.D

Acq: 18 Jul 2019 18:18

Instrument :

MSVOA_V

ClientSampled :

A52L8DL

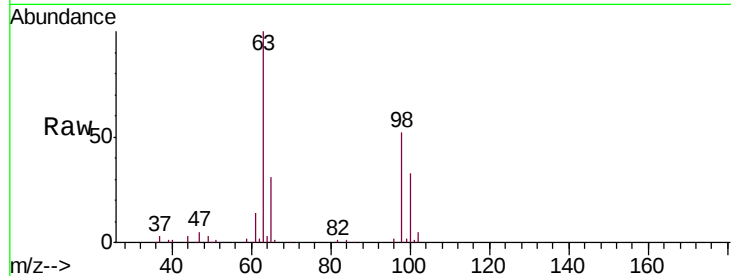
Tgt Ion: 101 Resp: 610

Ion Ratio Lower Upper

101 100

85 0.0 34.7 52.1#

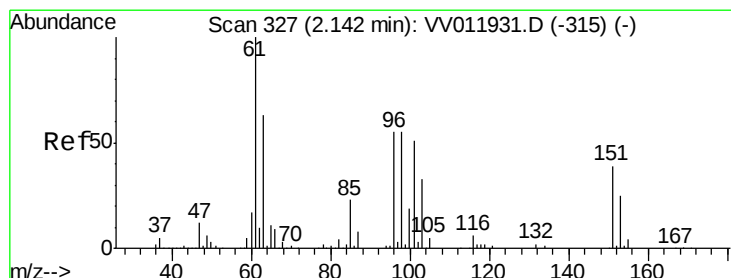
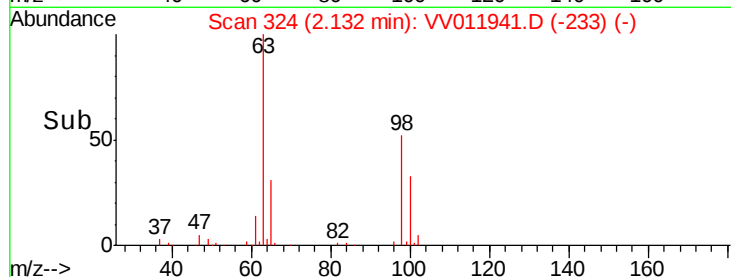
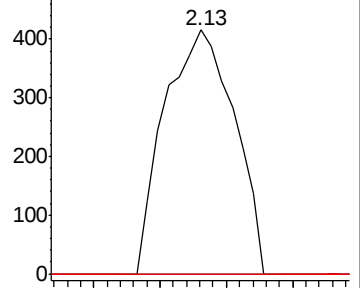
151 0.0 61.5 92.3#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.144 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.01 min

Lab File: VV011941.D

Acq: 18 Jul 2019 18:18

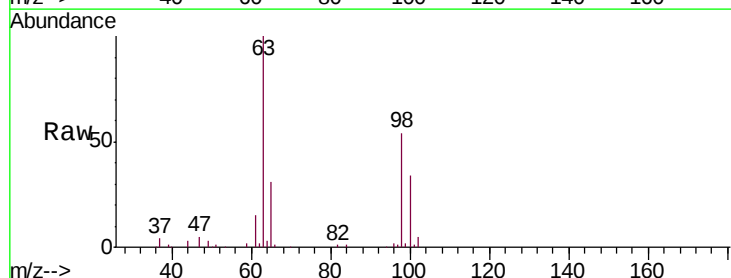
Tgt Ion: 96 Resp: 1011

Ion Ratio Lower Upper

96 100

61 776.1 128.9 239.3#

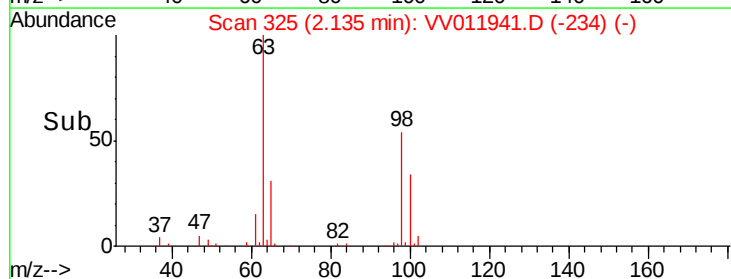
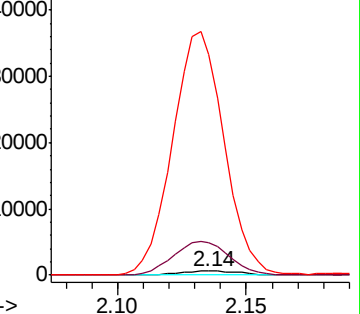
63 5244.9 85.5 158.9#

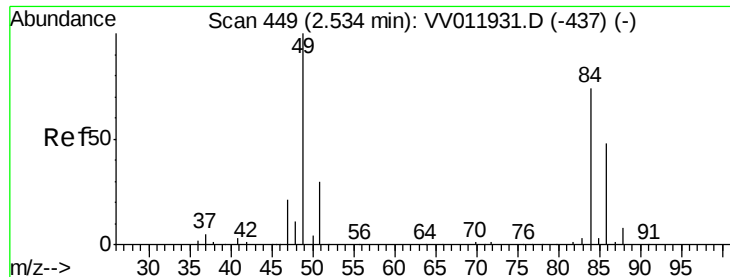


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0

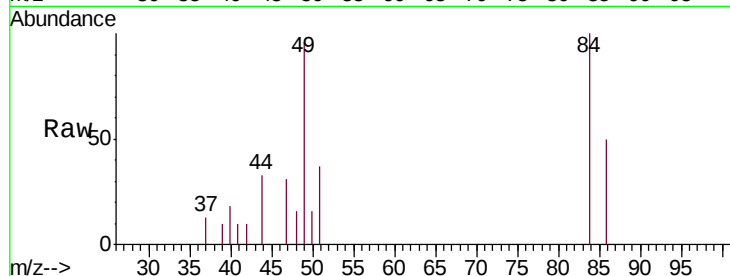




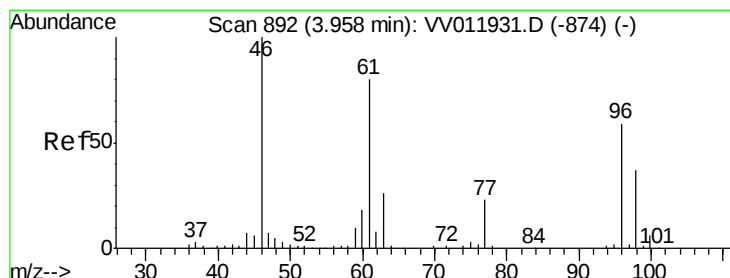
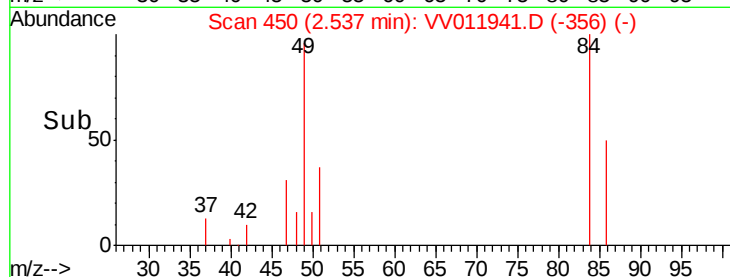
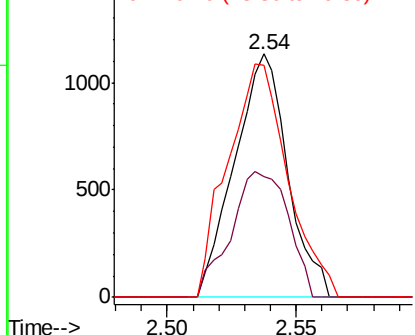
#16
Methylene chloride
Concen: 0.221 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV011941.D
Acq: 18 Jul 2019 18:18

Instrument :
MSVOA_V
ClientSampled :
A52L8DL

Tgt Ion: 84 Resp: 1623
Ion Ratio Lower Upper
84 100
86 49.6 44.8 83.2
49 95.6 90.4 168.0

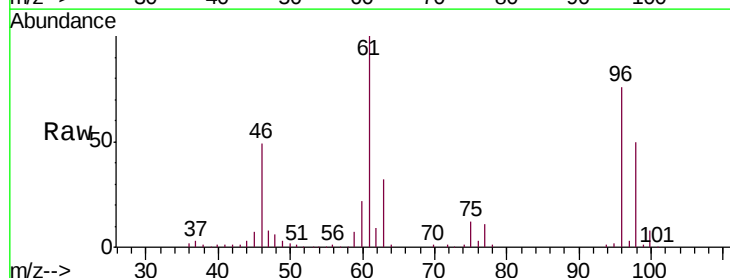


Abundance Ion 84.05 (83.75 to 84.75): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.10 (48.80 to 49.80): VV0

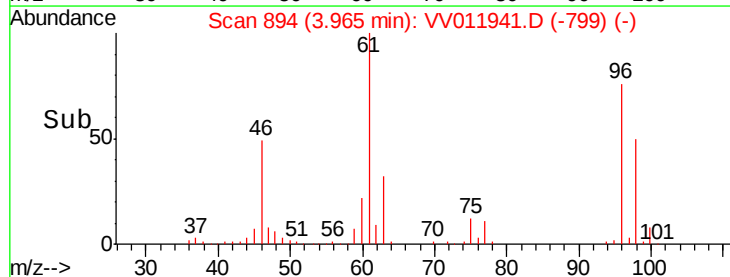
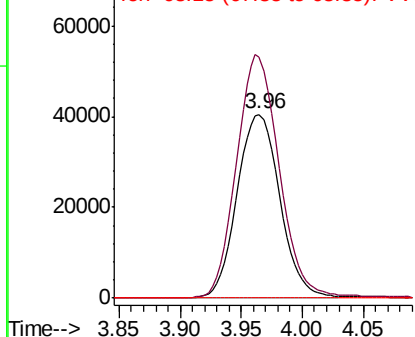


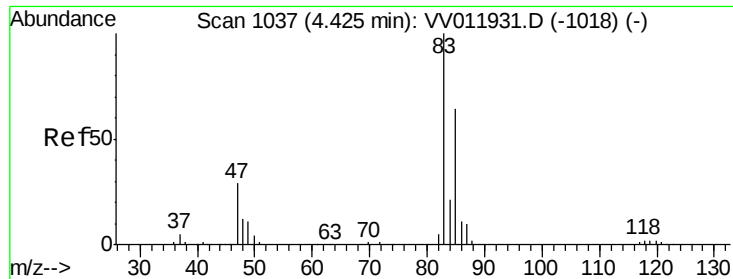
#22
cis-1,2-Dichloroethene
Concen: 9.707 ug/L
RT: 3.96 min Scan# 894
Delta R.T. 0.01 min
Lab File: VV011941.D
Acq: 18 Jul 2019 18:18

Tgt Ion: 96 Resp: 98303
Ion Ratio Lower Upper
96 100
61 131.4 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

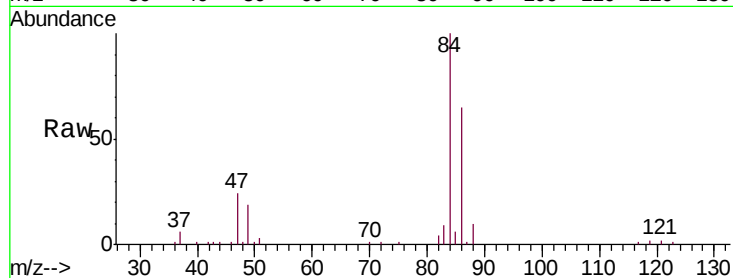




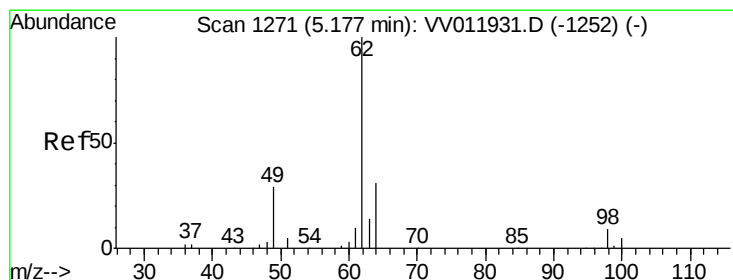
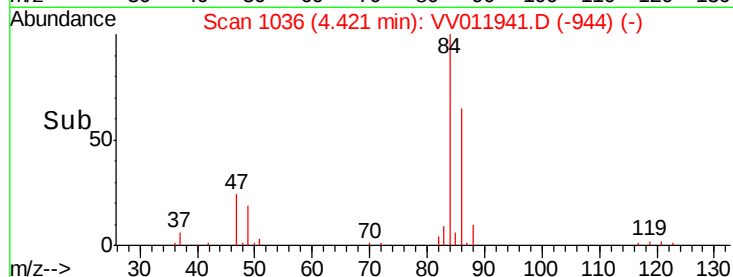
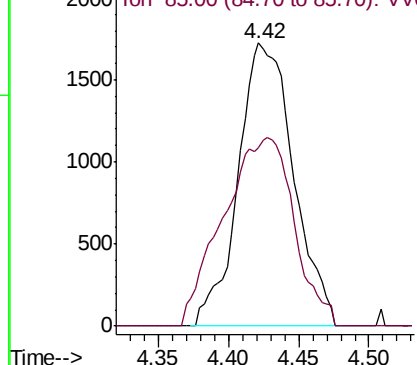
#25
Chloroform
Concen: 0.237 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV011941.D
Acq: 18 Jul 2019 18:18

Instrument :
MSVOA_V
ClientSampled :
A52L8DL

Tgt Ion: 83 Resp: 4733
Ion Ratio Lower Upper
83 100
85 62.9 42.5 78.9

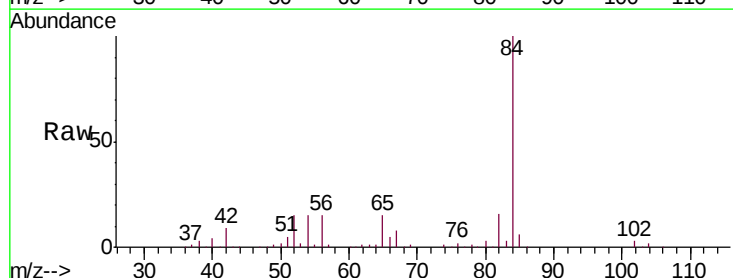


Abundance Ion 83.05 (82.75 to 83.75): VV0
Ion 85.00 (84.70 to 85.70): VV0

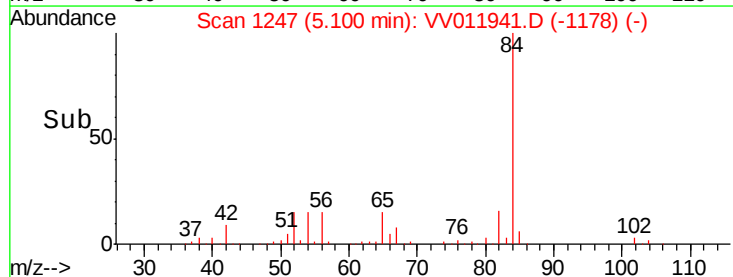
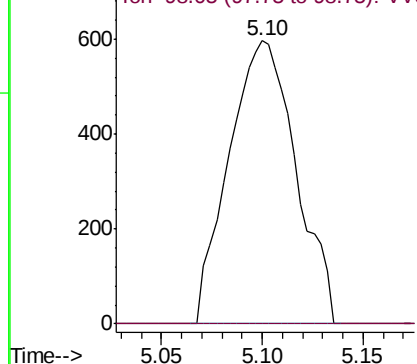


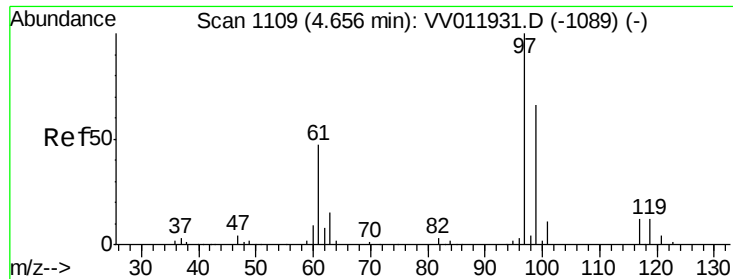
#27
1,2-Dichloroethane
Concen: 0.117 ug/L
RT: 5.10 min Scan# 1247
Delta R.T. -0.08 min
Lab File: VV011941.D
Acq: 18 Jul 2019 18:18

Tgt Ion: 62 Resp: 1379
Ion Ratio Lower Upper
62 100
98 0.0 7.2 10.8#



Abundance Ion 62.00 (61.70 to 62.70): VV0
Ion 98.05 (97.75 to 98.75): VV0

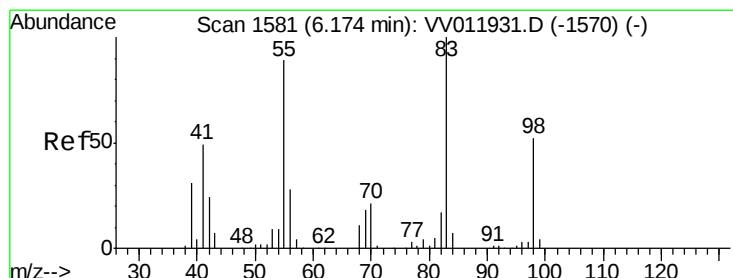
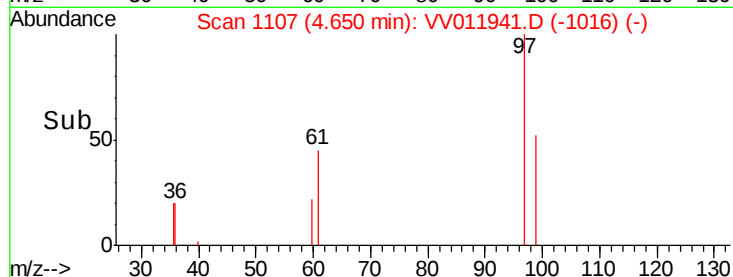
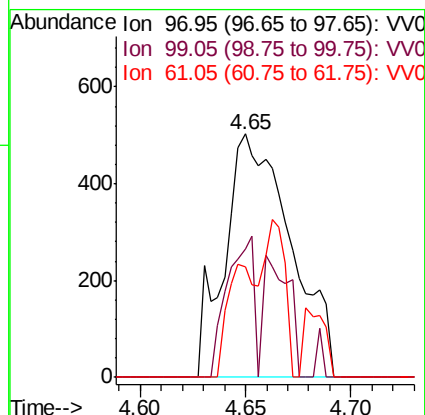
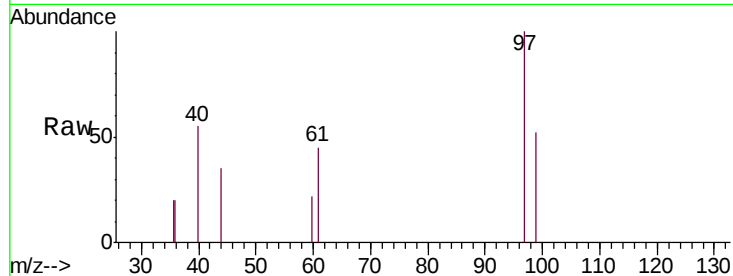




#29
 1,1,1-Trichloroethane
 Concen: 0.072 ug/L
 RT: 4.65 min Scan# 1107
 Delta R.T. -0.01 min
 Lab File: VV011941.D
 Acq: 18 Jul 2019 18:18

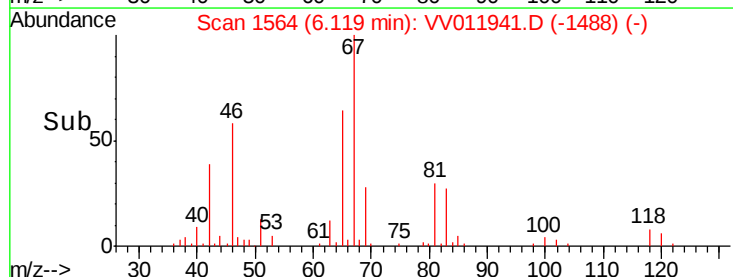
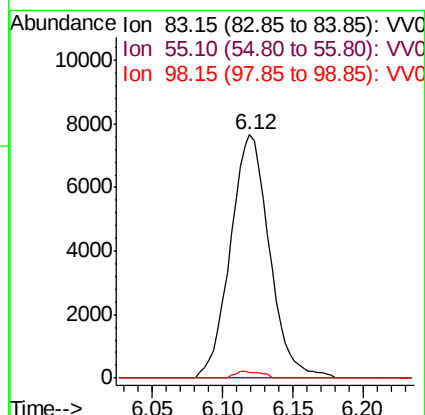
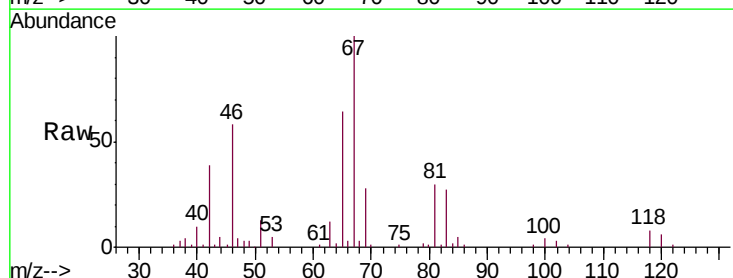
Instrument :
 MSVOA_V
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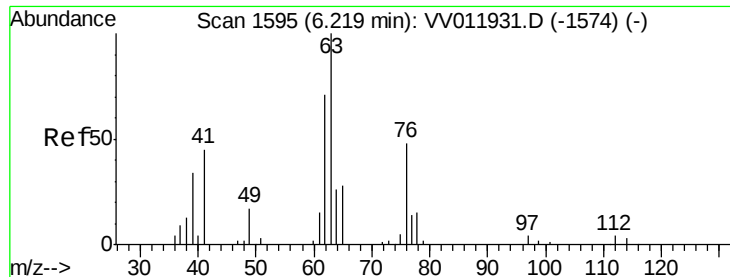
Tgt Ion: 97 Resp: 1099
 Ion Ratio Lower Upper
 97 100
 99 23.1 51.1 76.7#
 61 20.6 38.6 57.8#



#35
 Methylcyclohexane
 Concen: 0.910 ug/L
 RT: 6.12 min Scan# 1564
 Delta R.T. -0.05 min
 Lab File: VV011941.D
 Acq: 18 Jul 2019 18:18

Tgt Ion: 83 Resp: 14836
 Ion Ratio Lower Upper
 83 100
 55 0.0 66.7 100.1#
 98 1.8 39.0 58.4#

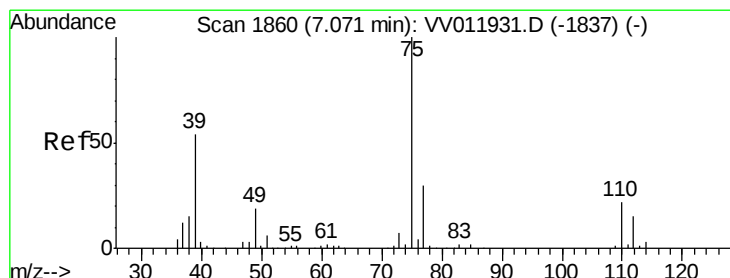
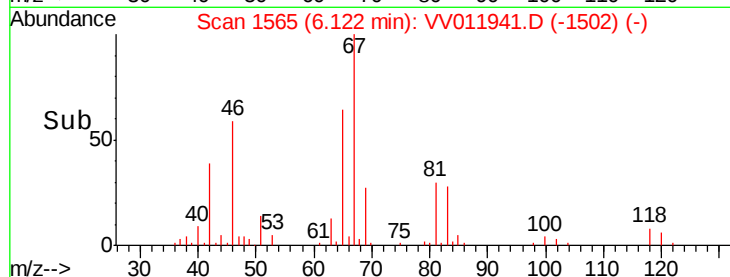
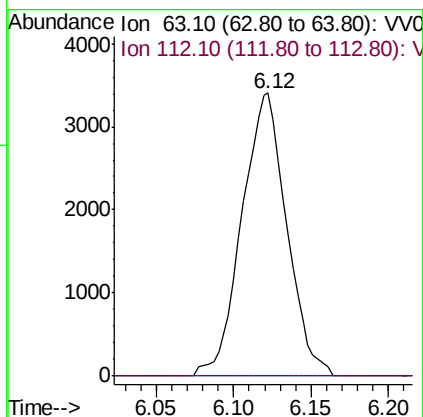
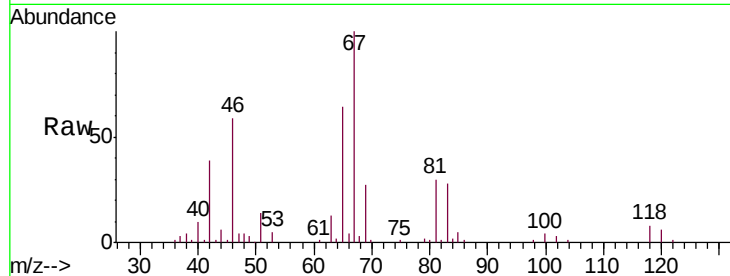




#37
 1,2-Dichloropropane
 Concen: 0.726 ug/L
 RT: 6.12 min Scan# 1565
 Delta R.T. -0.10 min
 Lab File: VV011941.D
 Acq: 18 Jul 2019 18:18

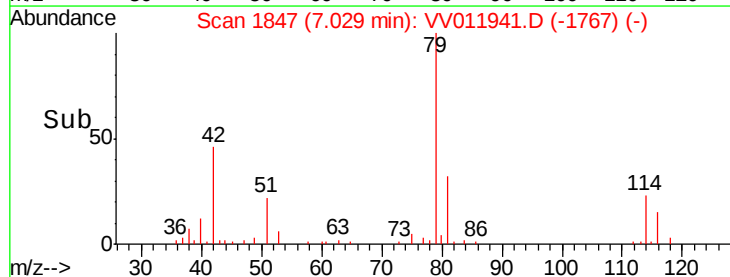
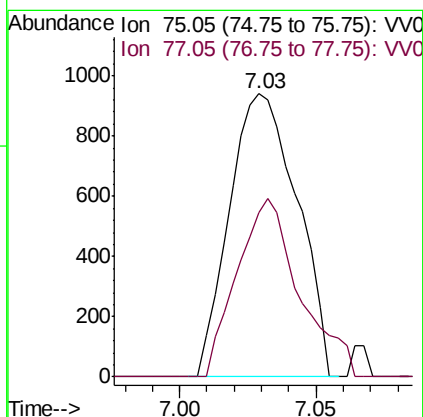
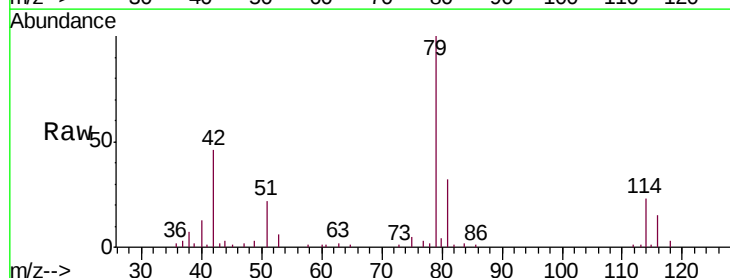
Instrument :
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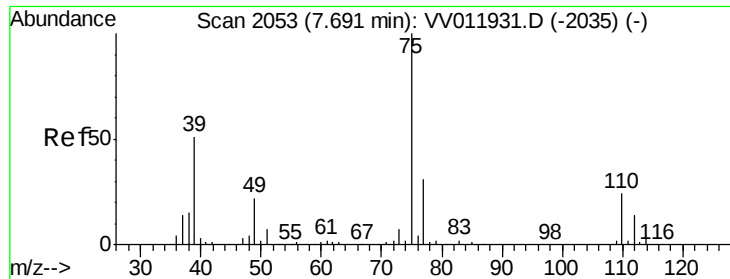
Tgt Ion: 63 Resp: 6857
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.2#



#39
 cis-1,3-Dichloropropene
 Concen: 0.125 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.04 min
 Lab File: VV011941.D
 Acq: 18 Jul 2019 18:18

Tgt Ion: 75 Resp: 1622
 Ion Ratio Lower Upper
 75 100
 77 58.1 21.6 40.2#





#44

trans-1,3-Dichloropropene

Concen: 0.094 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV011941.D

Acq: 18 Jul 2019 18:18

Instrument :

MSVOA_V

ClientSampleId :

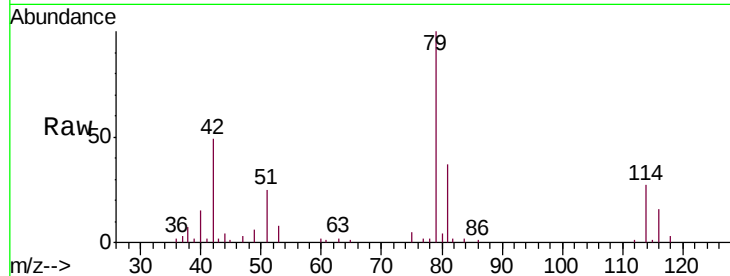
A52L8DL

Tgt Ion: 75 Resp: 961

Ion Ratio Lower Upper

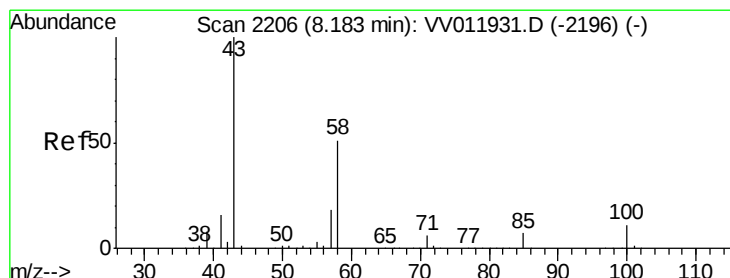
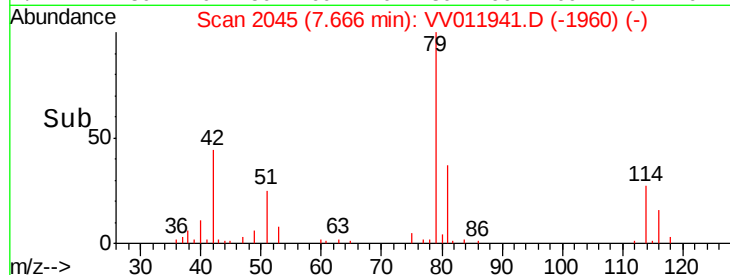
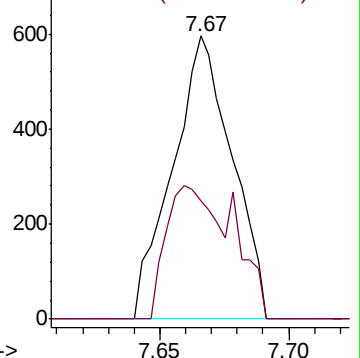
75 100

77 41.9 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: 1.922 ug/L

RT: 8.18 min Scan# 2206

Delta R.T. 0.00 min

Lab File: VV011941.D

Acq: 18 Jul 2019 18:18

Tgt Ion: 43 Resp: 7806

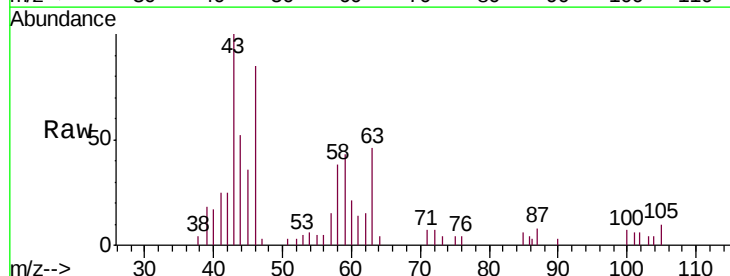
Ion Ratio Lower Upper

43 100

58 42.3 41.1 61.7

57 16.1 14.3 21.5

100 6.7 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

