

Data File : VV011958.D
Acq On : 22 Jul 2019 20:03
Operator : SY/MD
Sample : K3823-21 50X
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A52K2

Quant Time: Jul 23 07:22:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jul 23 07:18:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	141061	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	134505	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	66933	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	31777	4.33	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.60%
7) Chloroethane-d5	1.58	69	25864	4.48	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.60%
11) 1,1-Dichloroethene-d2	2.13	63	52248	3.58	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.60%
20) 2-Butanone-d5	3.96	46	103424	48.26	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.52%
24) Chloroform-d	4.40	84	86922	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.40%
26) 1,2-Dichloroethane-d4	5.08	65	47001	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.80%
32) Benzene-d6	5.10	84	173760	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.60%
36) 1,2-Dichloropropane-d6	6.12	67	50450	4.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.00%
41) Toluene-d8	7.36	98	154698	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.00%
43) trans-1,3-Dichloropropene-	7.67	79	19275	4.42	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.40%
46) 2-Hexanone-d5	8.14	63	83876	47.94	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.88%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	34951	4.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	61774	4.79	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.80%

Target Compounds

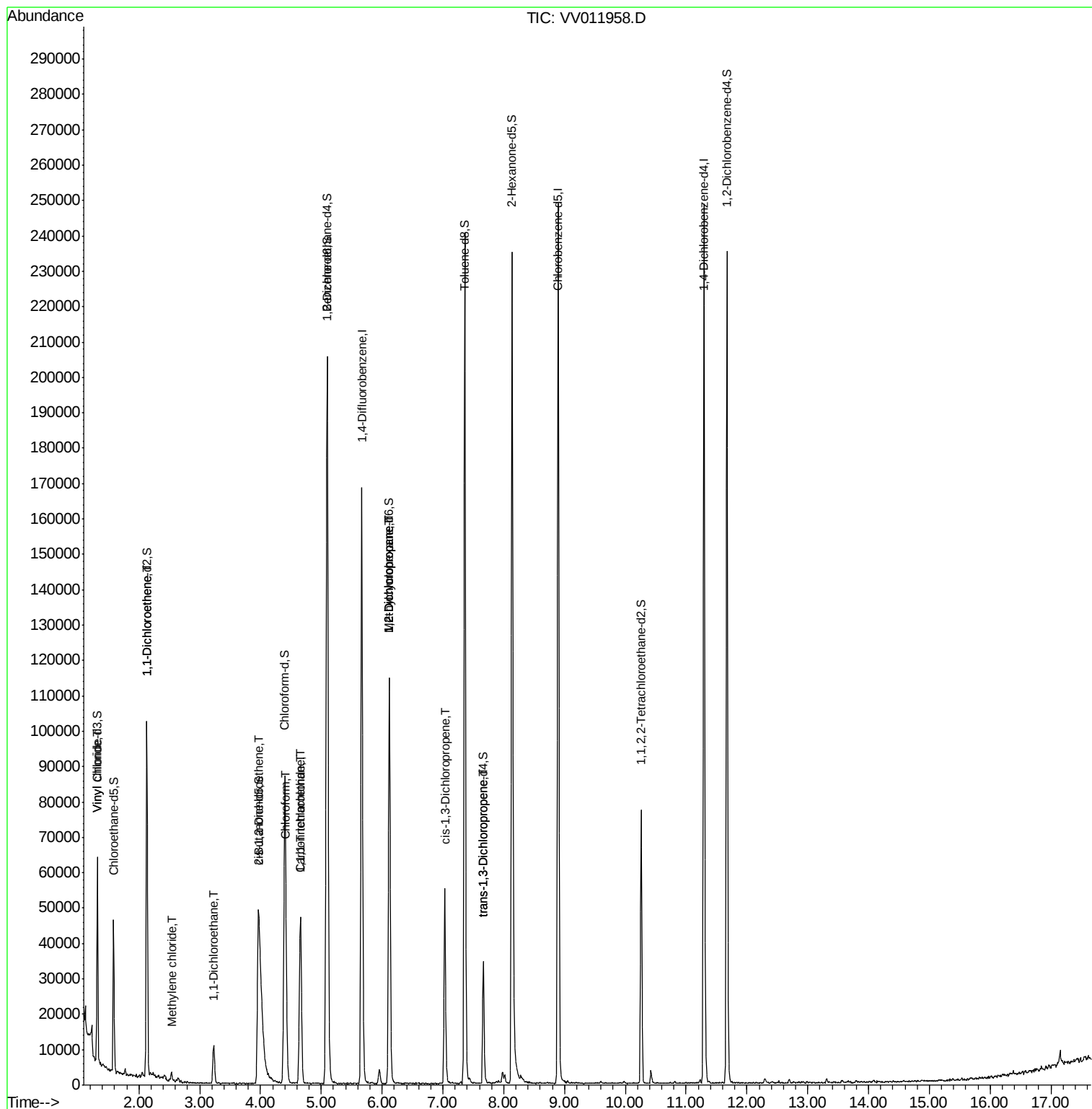
					Qvalue	
5) Vinyl chloride	1.32	62	708	0.082	ug/L #	1
12) 1,1-Dichloroethene	2.14	96	1465	0.228	ug/L #	1
16) Methylene chloride	2.53	84	813	0.113	ug/L	91
19) 1,1-Dichloroethane	3.23	63	10632	0.602	ug/L	94
22) cis-1,2-Dichloroethene	3.97	96	2980	0.277	ug/L	98
25) Chloroform	4.43	83	6378	0.299	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	36976	2.148	ug/L	99
31) Carbon tetrachloride	4.66	117	4873	0.314	ug/L	93
35) Methylcyclohexane	6.12	83	13258	0.775	ug/L #	17
37) 1,2-Dichloropropane	6.12	63	6053	0.636	ug/L #	84
39) cis-1,3-Dichloropropene	7.03	75	1655	0.117	ug/L #	60
44) trans-1,3-Dichloropropene	7.67	75	988	0.088	ug/L #	78

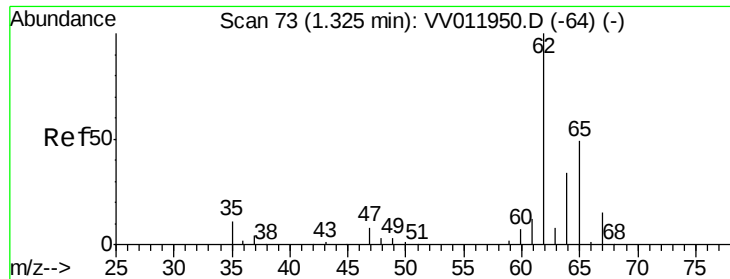
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.082 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV011958.D

Acq: 22 Jul 2019 20:03

Instrument :

MSVOA_V

ClientSampled :

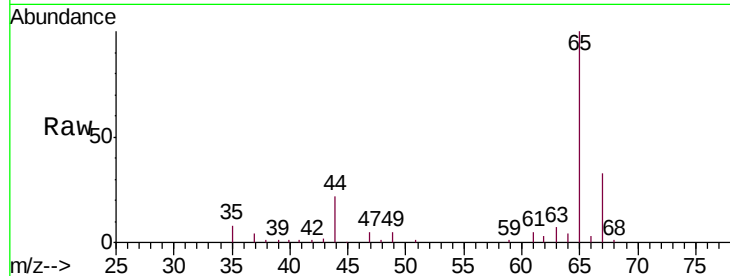
A52K2

Tgt Ion: 62 Resp: 708

Ion Ratio Lower Upper

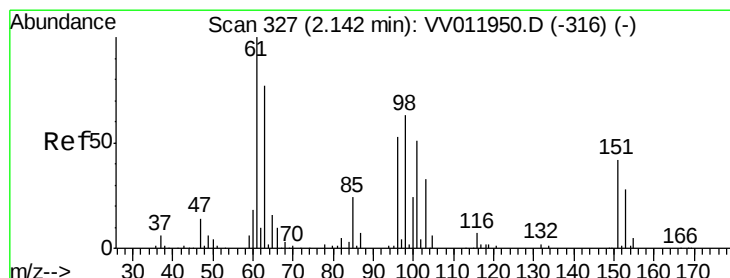
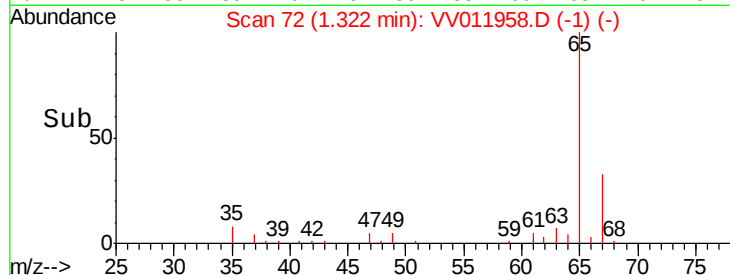
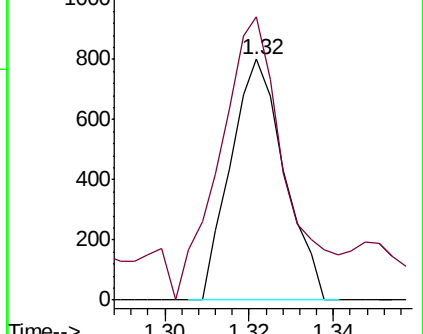
62 100

64 117.5 24.3 45.1#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#12

1,1-Dichloroethene

Concen: 0.228 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV011958.D

Acq: 22 Jul 2019 20:03

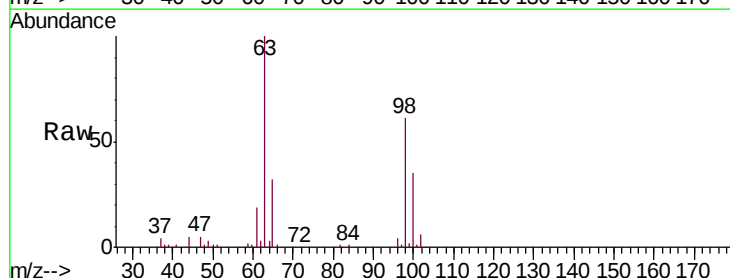
Tgt Ion: 96 Resp: 1465

Ion Ratio Lower Upper

96 100

61 525.0 132.7 246.5#

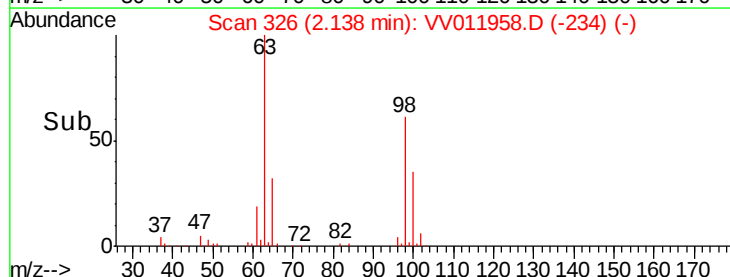
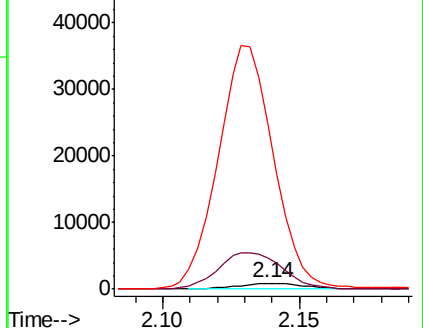
63 2757.7 104.0 193.1#

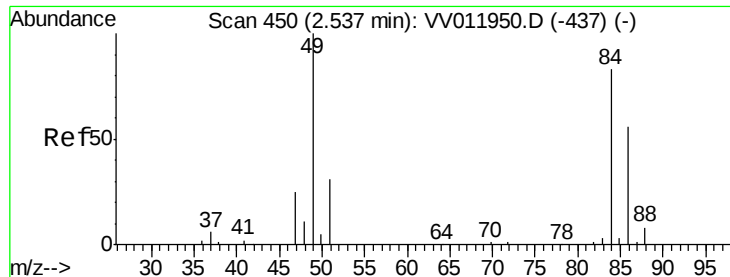


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0

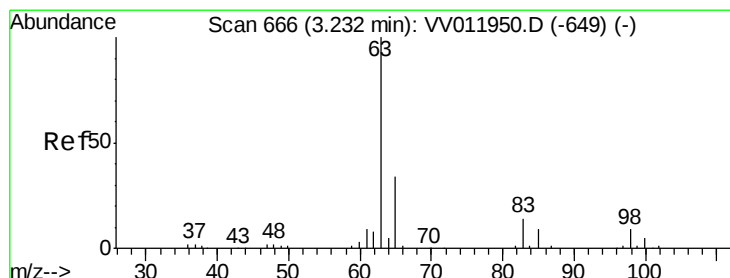
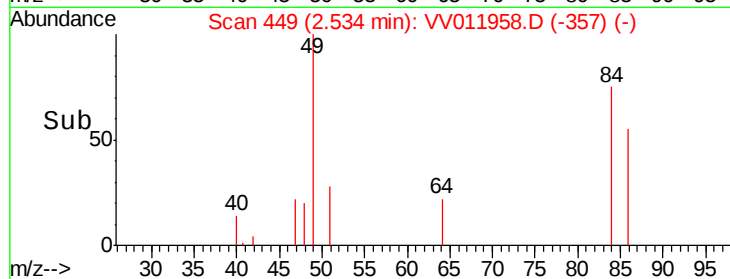
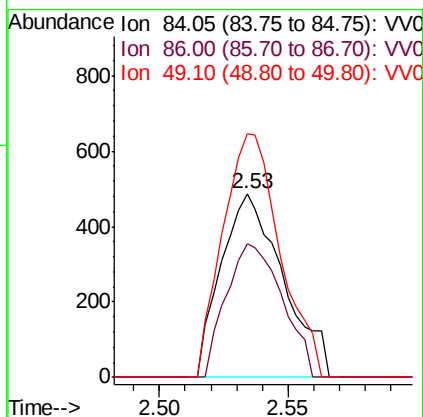
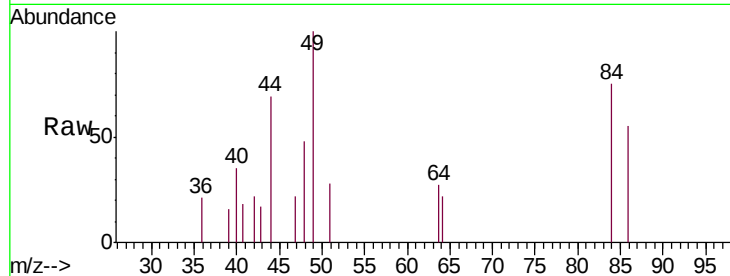




#16
Methylene chloride
Concen: 0.113 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV011958.D
Acq: 22 Jul 2019 20:03

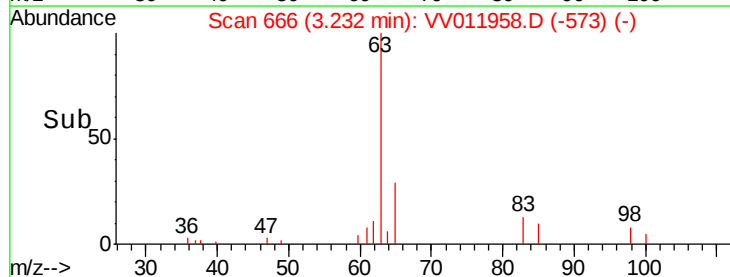
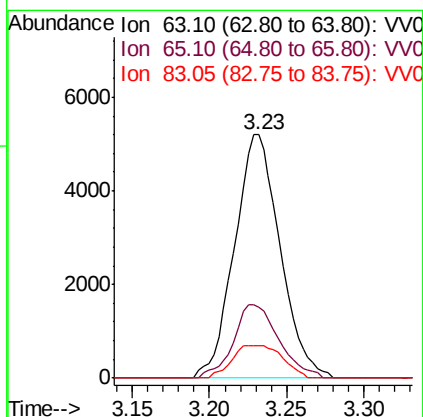
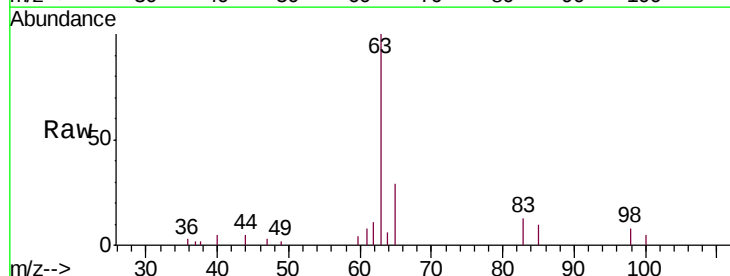
Instrument :
MSVOA_V
ClientSampleId :
A52K2

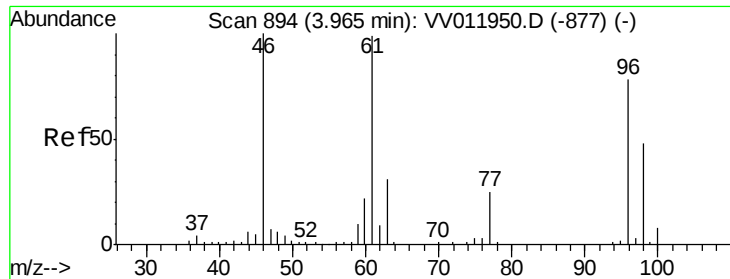
Tgt Ion: 84 Resp: 813
Ion Ratio Lower Upper
84 100
86 72.7 47.6 88.4
49 132.6 84.3 156.5



#19
1,1-Dichloroethane
Concen: 0.602 ug/L
RT: 3.23 min Scan# 666
Delta R.T. -0.00 min
Lab File: VV011958.D
Acq: 22 Jul 2019 20:03

Tgt Ion: 63 Resp: 10632
Ion Ratio Lower Upper
63 100
65 29.1 23.5 43.7
83 13.5 9.7 18.1

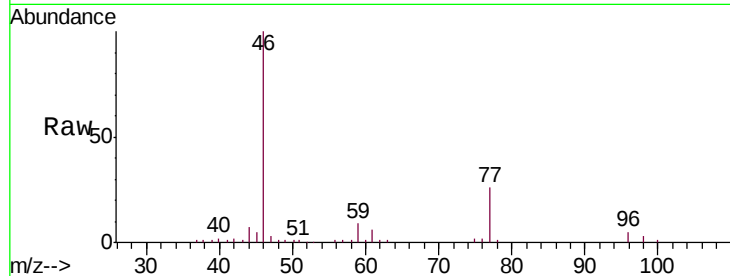




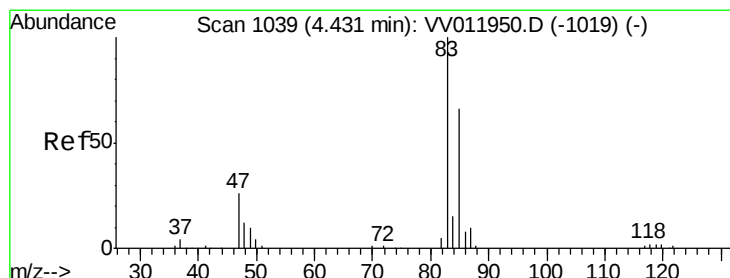
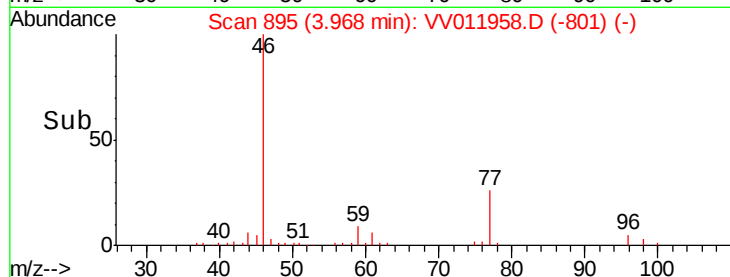
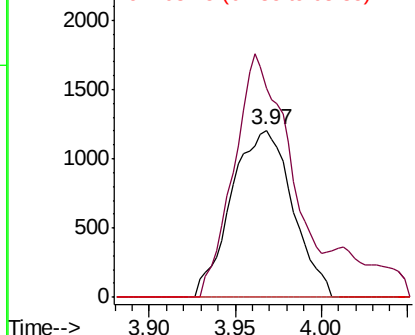
#22
 cis-1,2-Dichloroethene
 Concen: 0.277 ug/L
 RT: 3.97 min Scan# 895
 Delta R.T. 0.00 min
 Lab File: VV011958.D
 Acq: 22 Jul 2019 20:03

Instrument :
 MSVOA_V
 ClientSampleId :
 A52K2

Tgt Ion: 96 Resp: 2980
 Ion Ratio Lower Upper
 96 100
 61 125.0 89.0 165.2
 68 0.0 0.0 0.0

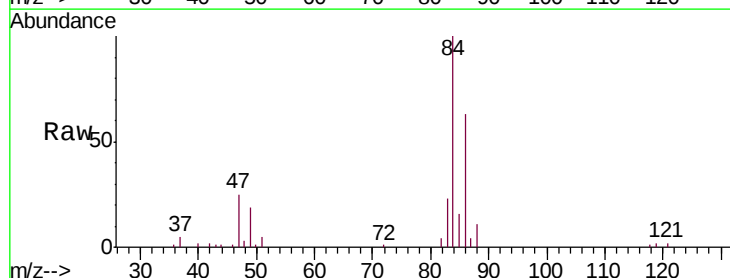


Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0

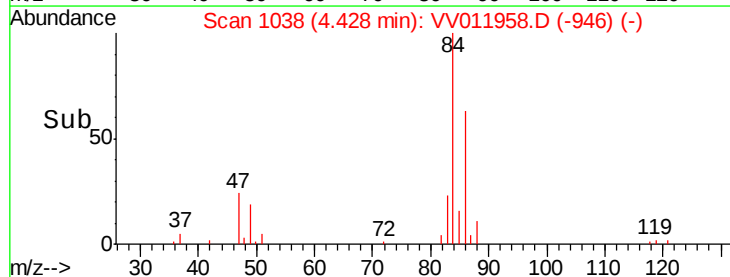
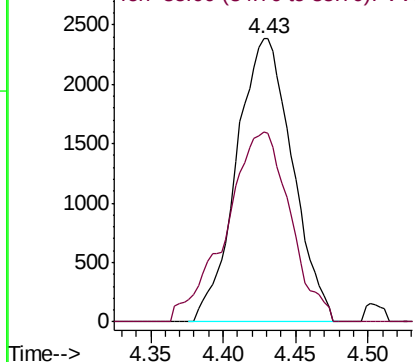


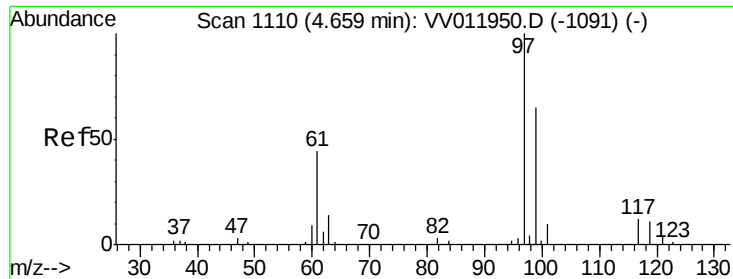
#25
 Chloroform
 Concen: 0.299 ug/L
 RT: 4.43 min Scan# 1038
 Delta R.T. -0.00 min
 Lab File: VV011958.D
 Acq: 22 Jul 2019 20:03

Tgt Ion: 83 Resp: 6378
 Ion Ratio Lower Upper
 83 100
 85 67.1 46.5 86.3



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

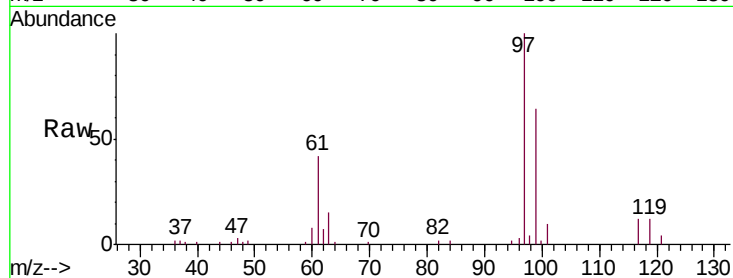




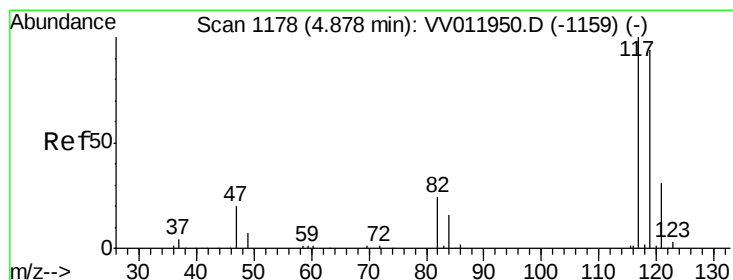
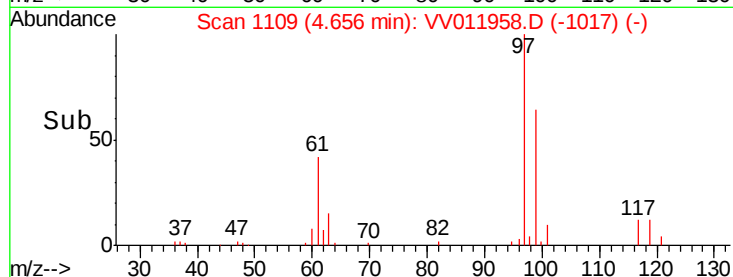
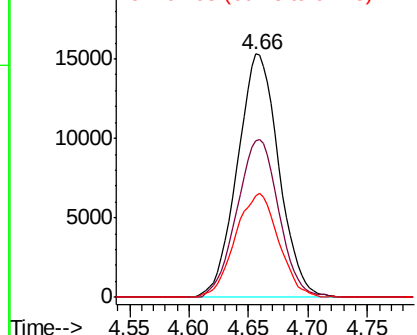
#29
 1,1,1-Trichloroethane
 Concen: 2.148 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. -0.00 min
 Lab File: VV011958.D
 Acq: 22 Jul 2019 20:03

Instrument :
 MSVOA_V
 ClientSampleId :
 A52K2

Tgt Ion: 97 Resp: 36976
 Ion Ratio Lower Upper
 97 100
 99 65.5 51.7 77.5
 61 44.5 35.1 52.7

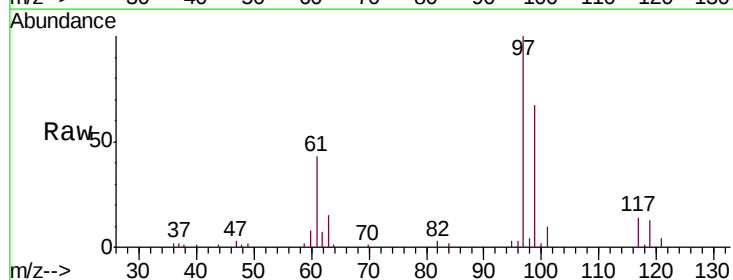


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

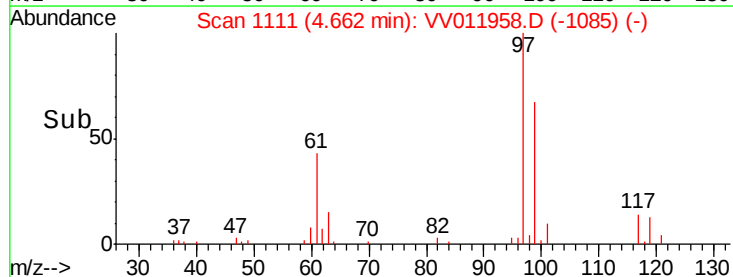
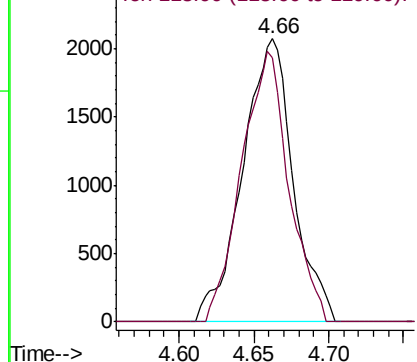


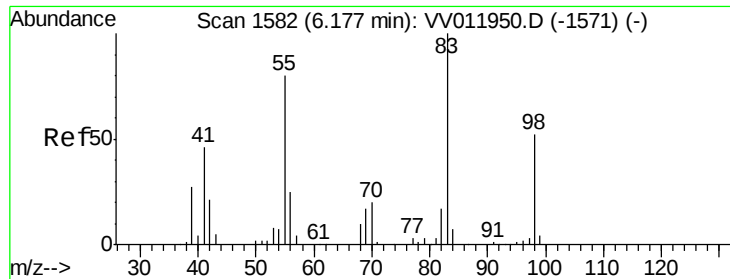
#31
 Carbon tetrachloride
 Concen: 0.314 ug/L
 RT: 4.66 min Scan# 1111
 Delta R.T. -0.22 min
 Lab File: VV011958.D
 Acq: 22 Jul 2019 20:03

Tgt Ion: 117 Resp: 4873
 Ion Ratio Lower Upper
 117 100
 119 89.1 76.4 114.6



Abundance Ion 116.90 (116.60 to 117.60): V
 Ion 118.90 (118.60 to 119.60): V

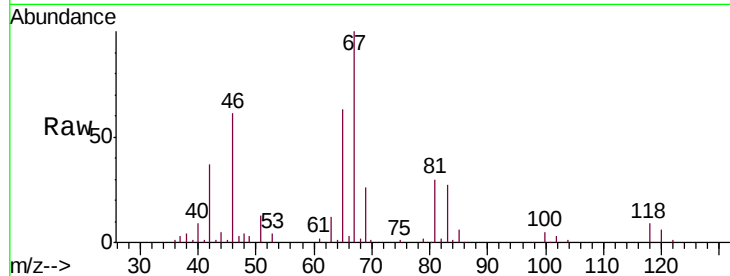




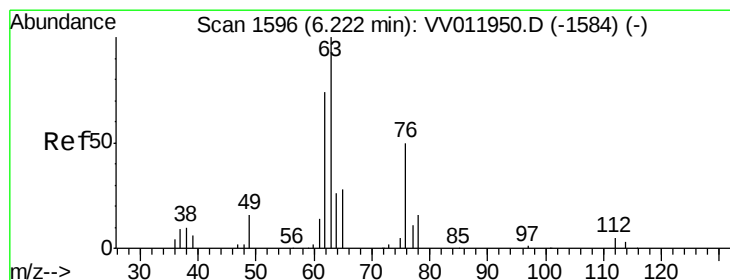
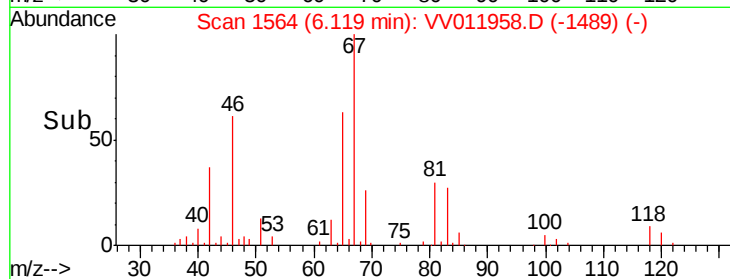
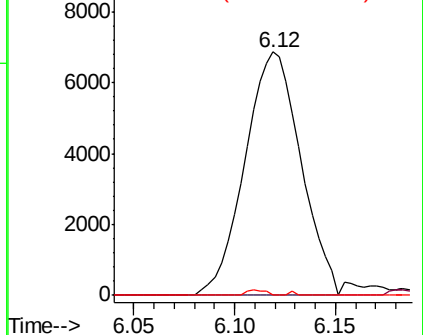
#35
Methylcyclohexane
Concen: 0.775 ug/L
RT: 6.12 min Scan# 1564
Delta R.T. -0.06 min
Lab File: VV011958.D
Acq: 22 Jul 2019 20:03

Instrument :
MSVOA_V
ClientSampled :
A52K2

Tgt Ion: 83 Resp: 13258
Ion Ratio Lower Upper
83 100
55 0.8 63.0 94.4#
98 0.2 41.4 62.0#

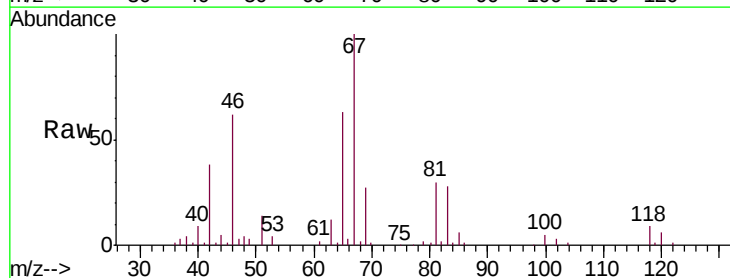


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

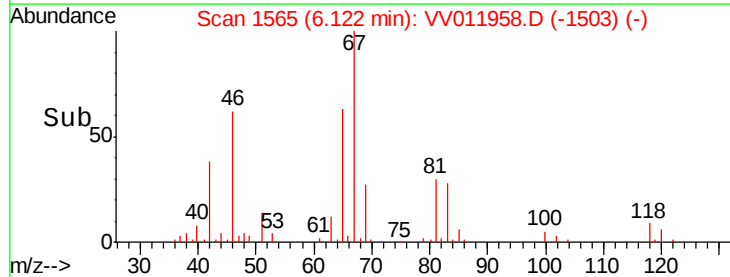
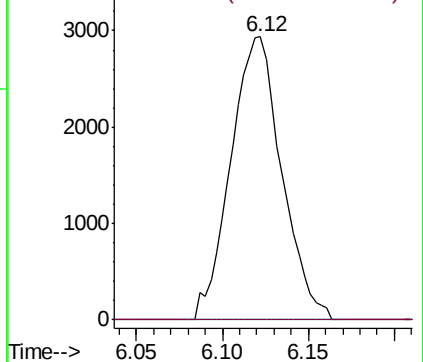


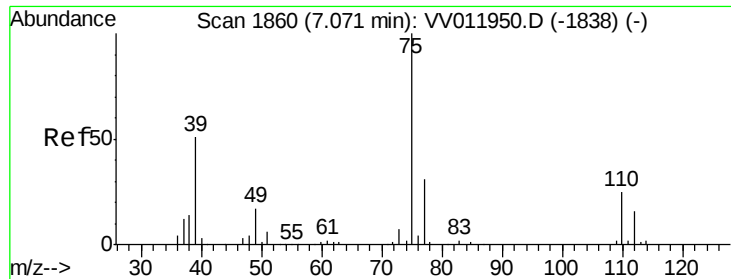
#37
1,2-Dichloropropane
Concen: 0.636 ug/L
RT: 6.12 min Scan# 1565
Delta R.T. -0.10 min
Lab File: VV011958.D
Acq: 22 Jul 2019 20:03

Tgt Ion: 63 Resp: 6053
Ion Ratio Lower Upper
63 100
112 0.0 4.2 6.4#



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

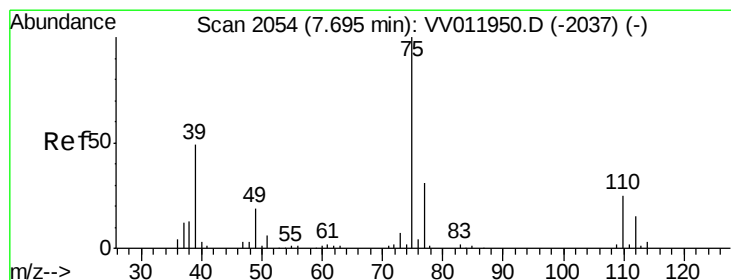
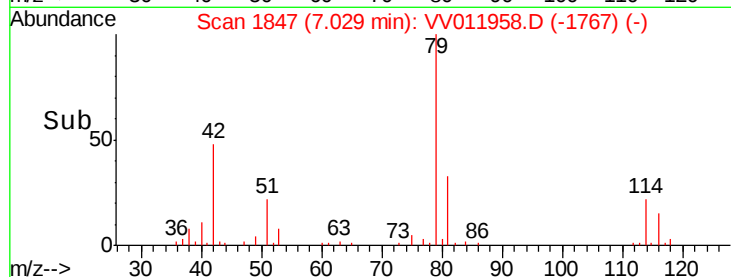
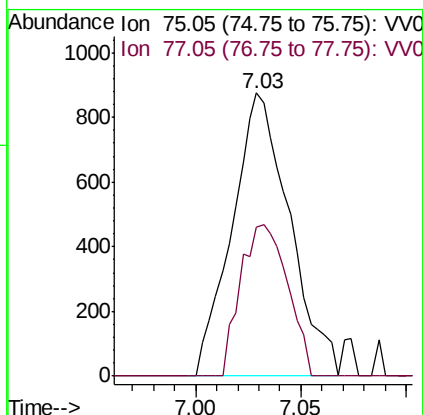
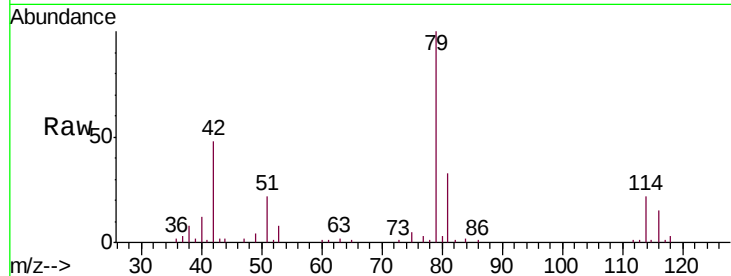




#39
 cis-1,3-Dichloropropene
 Concen: 0.117 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.04 min
 Lab File: VV011958.D
 Acq: 22 Jul 2019 20:03

Instrument :
 MSVOA_V
 ClientSampleId :
 A52K2

Tgt Ion: 75 Resp: 1655
 Ion Ratio Lower Upper
 75 100
 77 52.5 21.3 39.6#



#44
 trans-1,3-Dichloropropene
 Concen: 0.088 ug/L
 RT: 7.67 min Scan# 2045
 Delta R.T. -0.03 min
 Lab File: VV011958.D
 Acq: 22 Jul 2019 20:03

Tgt Ion: 75 Resp: 988
 Ion Ratio Lower Upper
 75 100
 77 43.4 22.0 40.8#

