

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072319\
 Data File : VV011976.D
 Acq On : 23 Jul 2019 20:25
 Operator : SY/MD
 Sample : K3823-21
 Misc : 25ML/MSVOA V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A52K2

Quant Time: Jul 24 07:34:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 24 05:52:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	134919	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	127757	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	63762	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	38002	5.42	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	108.40%
7) Chloroethane-d5	1.59	69	29411	5.33	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.60%
11) 1,1-Dichloroethene-d2	2.14	63	87552	6.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	125.40%#
20) 2-Butanone-d5	3.94	46	108338	52.86	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.72%
24) Chloroform-d	4.40	84	89106	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
26) 1,2-Dichloroethane-d4	5.08	65	51401	5.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.40%
32) Benzene-d6	5.10	84	194880	5.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.40%
36) 1,2-Dichloropropane-d6	6.12	67	54459	5.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.80%
41) Toluene-d8	7.36	98	172856	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.60%
43) trans-1,3-Dichloropropene-	7.67	79	20857	5.04	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.80%
46) 2-Hexanone-d5	8.13	63	88136	53.04	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.08%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	37838	5.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	68051	5.54	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.80%

Target Compounds

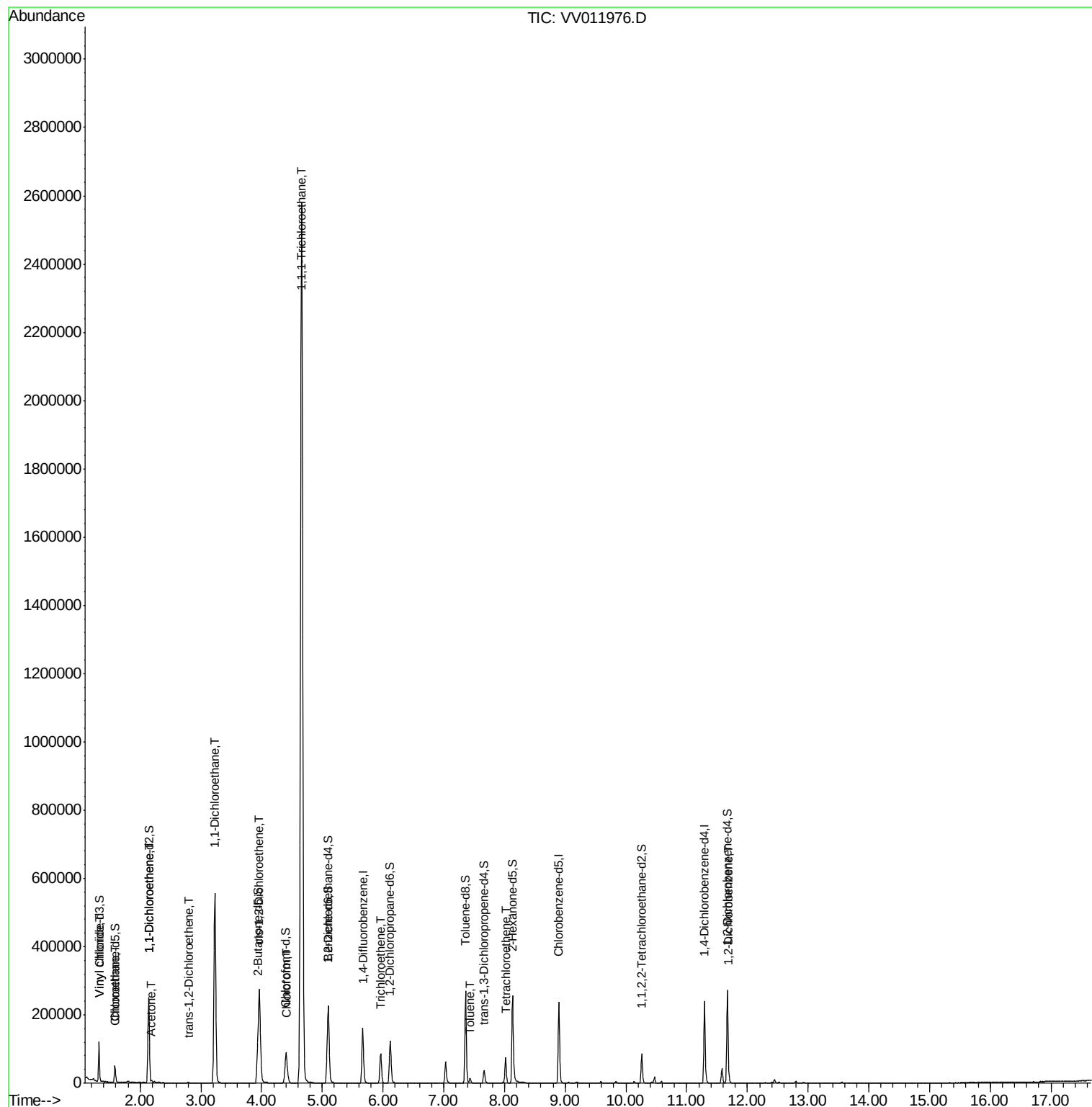
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	33634	4.059	ug/L	100
8) Chloroethane	1.60	64	2214	0.452	ug/L	98
12) 1,1-Dichloroethene	2.14	96	50651	8.249	ug/L	83
13) Acetone	2.19	43	3585	3.245	ug/L	97
18) trans-1,2-Dichloroethene	2.79	96	944	0.099	ug/L	82
19) 1,1-Dichloroethane	3.23	63	548761	32.491	ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	139649	13.589	ug/L	99
25) Chloroform	4.43	83	10160	0.498	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	2080953	127.262	ug/L	99
34) Trichloroethene	5.96	95	28055	2.688	ug/L	97
42) Toluene	7.43	91	8463	0.210	ug/L	91
47) Tetrachloroethene	8.02	164	16388	1.820	ug/L	89
65) 1,2-Dichlorobenzene	11.69	146	5164	0.269	ug/L #	82

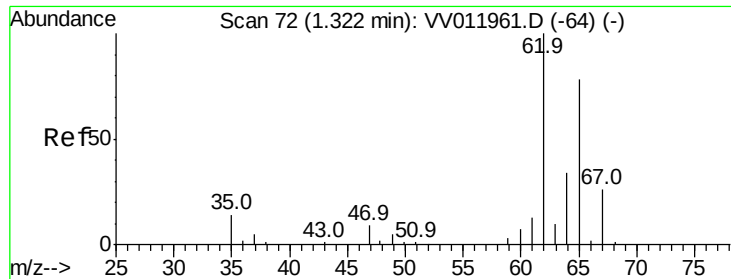
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jul 24 05:52:52 2019
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#5

Vinyl chloride

Concen: 4.059 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV011976.D

Acq: 23 Jul 2019 20:25

Instrument :

MSVOA_V

ClientSampleId :

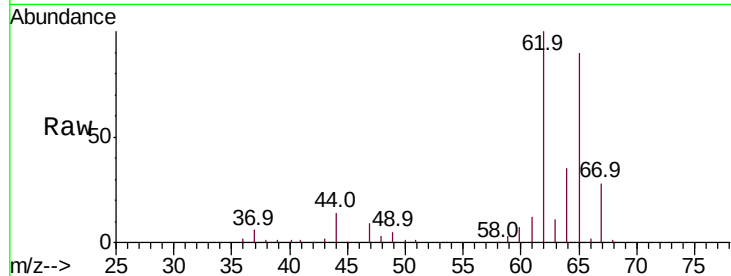
A52K2

Tot Ion: 62 Resp: 33634

Ion Ratio Lower Upper

62 100

64 34.7 24.3 45.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

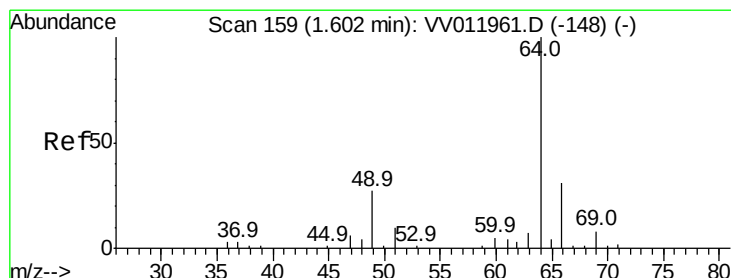
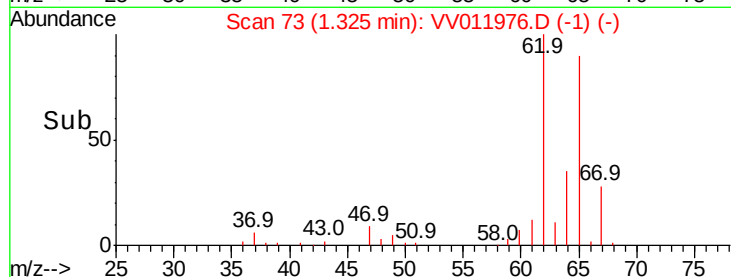
30000

20000

10000

0

Time--> 1.30 1.35 1.40



#8

Chloroethane

Concen: 0.452 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV011976.D

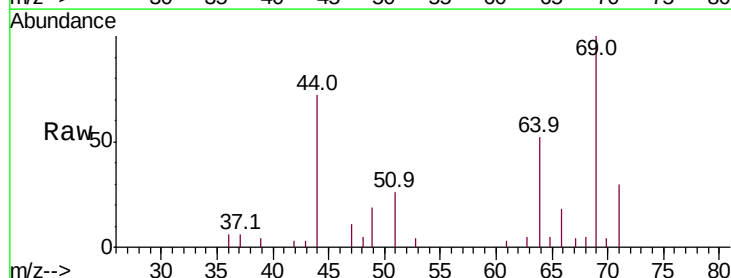
Acq: 23 Jul 2019 20:25

Tgt Ion: 64 Resp: 2214

Ion Ratio Lower Upper

64 100

66 32.1 21.8 40.6



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0

2000

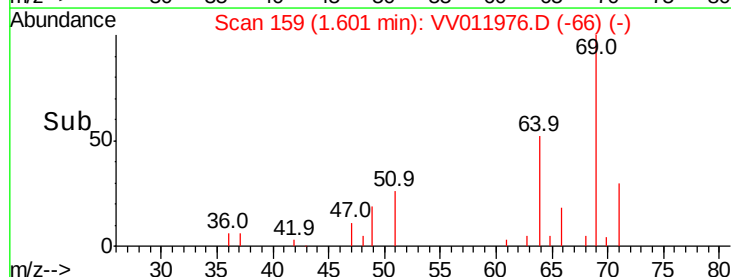
1500

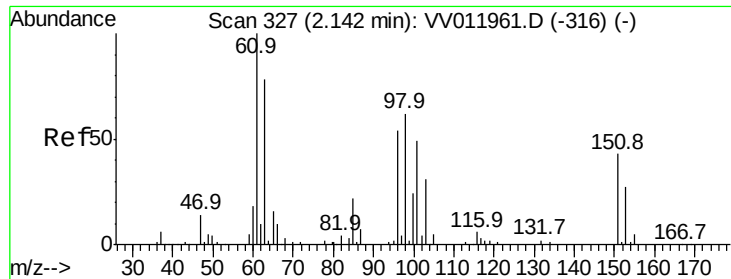
1000

500

0

Time--> 1.55 1.60 1.65

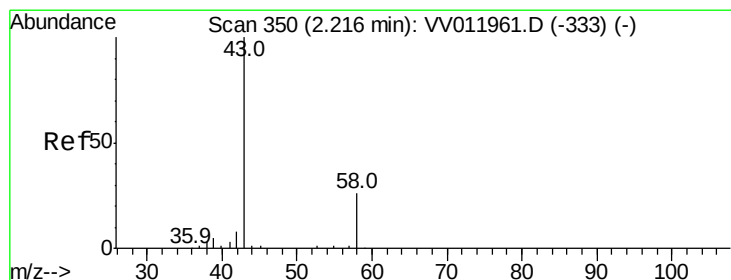
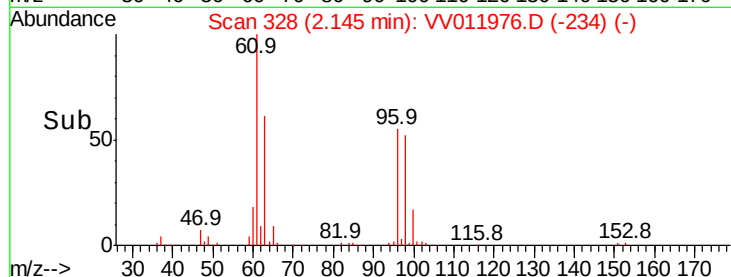
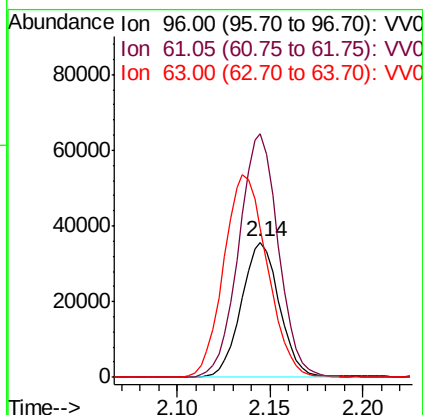
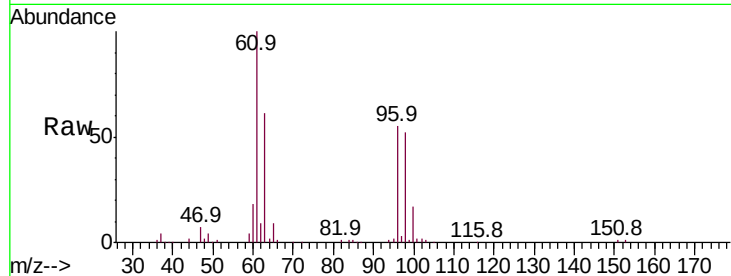




#12
1,1-Dichloroethene
Concen: 8.249 ug/L
RT: 2.14 min Scan# 328
Delta R.T. 0.00 min
Lab File: VV011976.D
Acq: 23 Jul 2019 20:25

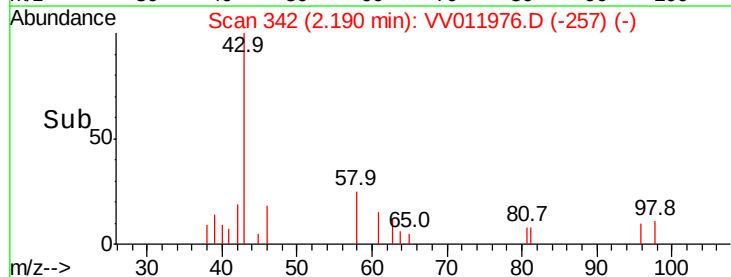
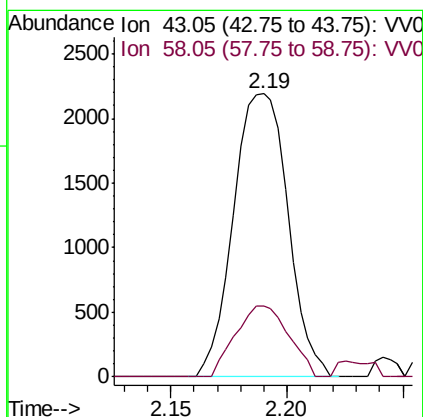
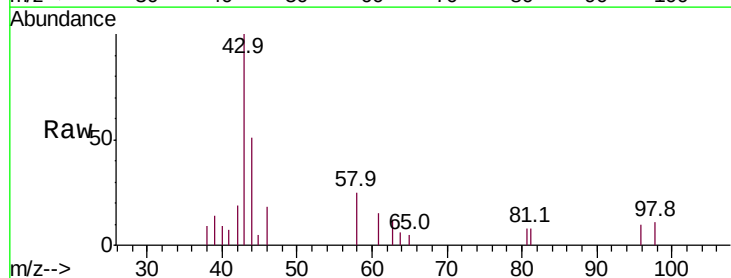
Instrument :
MSVOA_V
ClientSampled :
A52K2

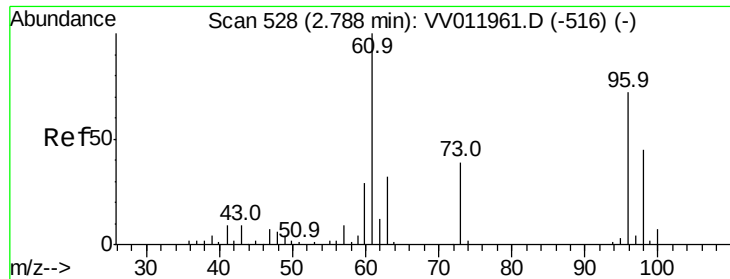
Tot Ion: 96 Resp: 50651
Ion Ratio Lower Upper
96 100
61 180.5 132.7 246.5
63 110.6 104.0 193.1



#13
Acetone
Concen: 3.245 ug/L
RT: 2.19 min Scan# 342
Delta R.T. -0.03 min
Lab File: VV011976.D
Acq: 23 Jul 2019 20:25

Tgt Ion: 43 Resp: 3585
Ion Ratio Lower Upper
43 100
58 24.5 0.0 51.8

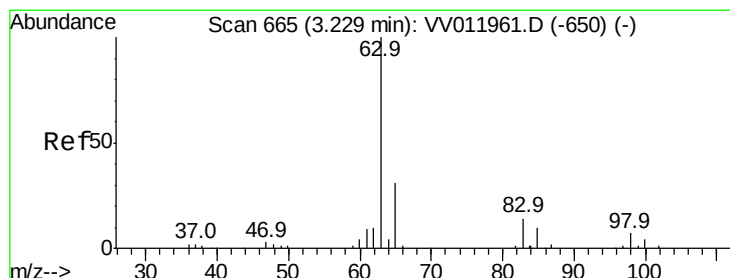
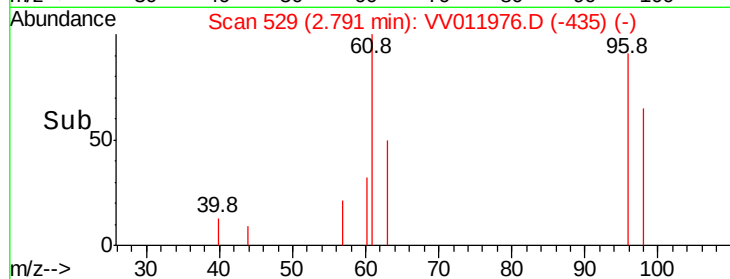
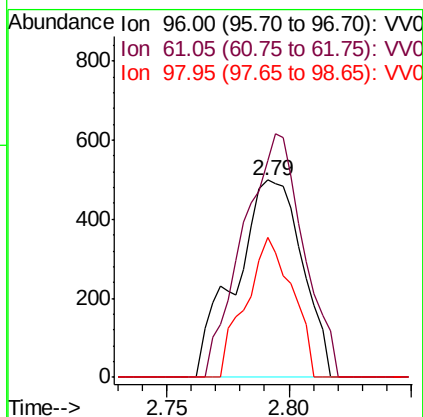
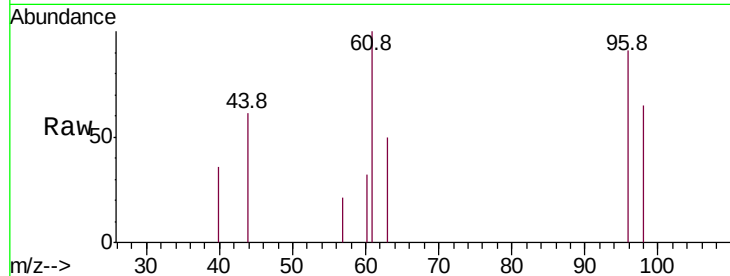




#18
trans-1,2-Dichloroethene
Concen: 0.099 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV011976.D
Acq: 23 Jul 2019 20:25

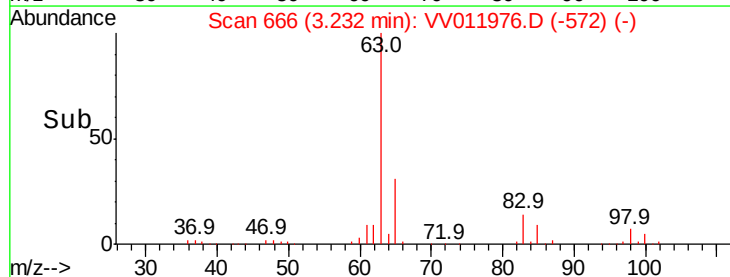
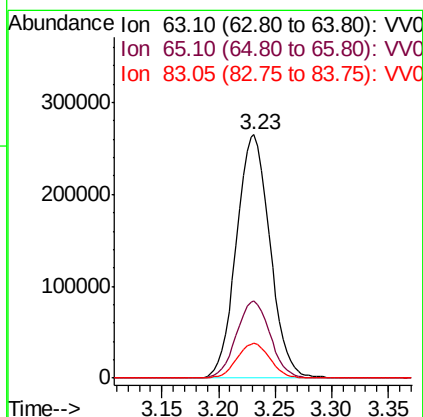
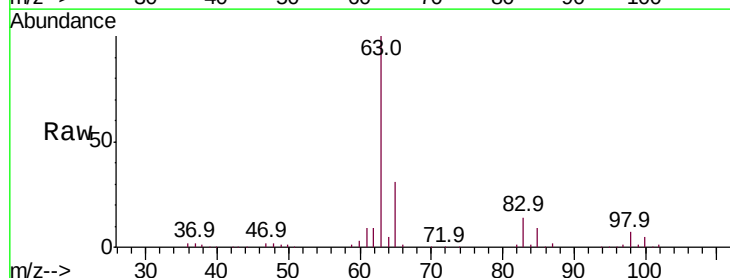
Instrument :
MSVOA_V
ClientSampleId :
A52K2

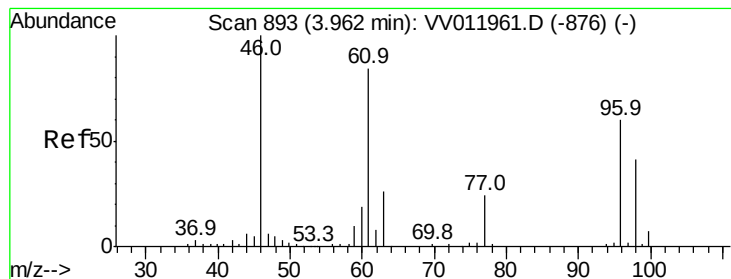
Tot Ion: 96 Resp: 944
Ion Ratio Lower Upper
96 100
61 109.8 95.4 177.2
98 71.1 44.4 82.5



#19
1,1-Dichloroethane
Concen: 32.491 ug/L
RT: 3.23 min Scan# 666
Delta R.T. 0.00 min
Lab File: VV011976.D
Acq: 23 Jul 2019 20:25

Tgt Ion: 63 Resp: 548761
Ion Ratio Lower Upper
63 100
65 31.5 23.5 43.7
83 14.2 9.7 18.1



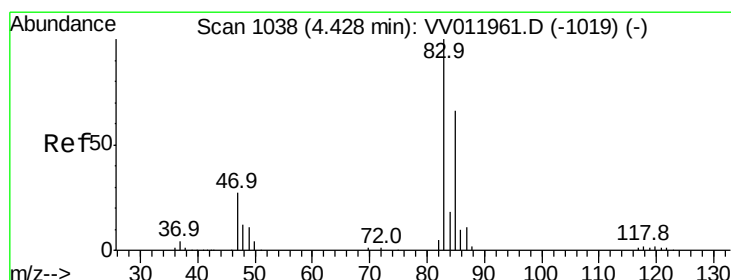
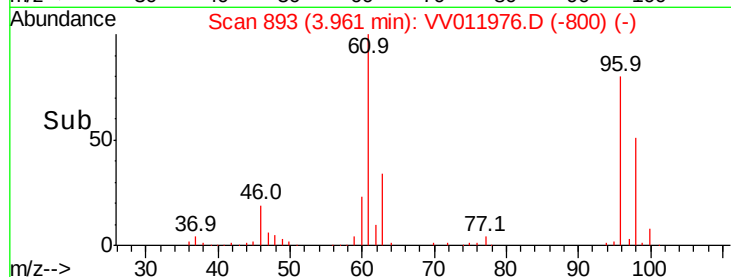
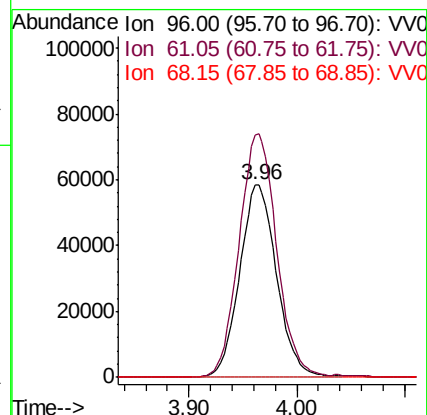
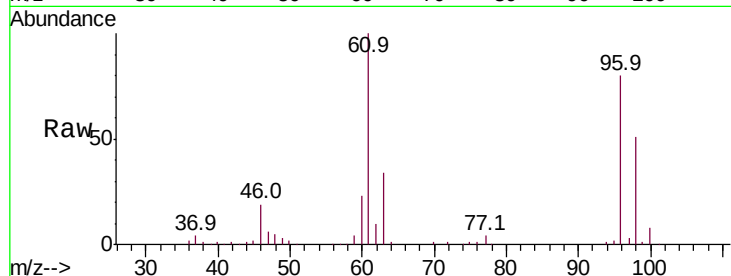


#22

cis-1,2-Dichloroethene
 Concen: 13.589 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. -0.00 min
 Lab File: VV011976.D
 Acq: 23 Jul 2019 20:25

Instrument :
 MSVOA_V
 ClientSampleId :
 A52K2

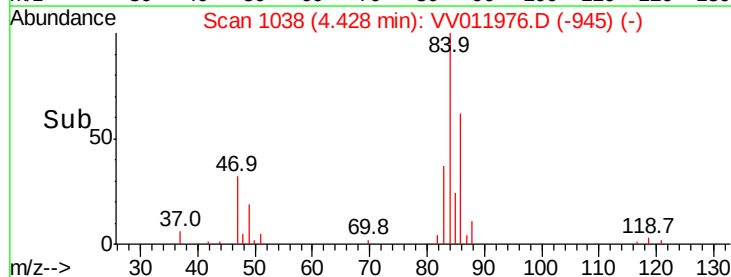
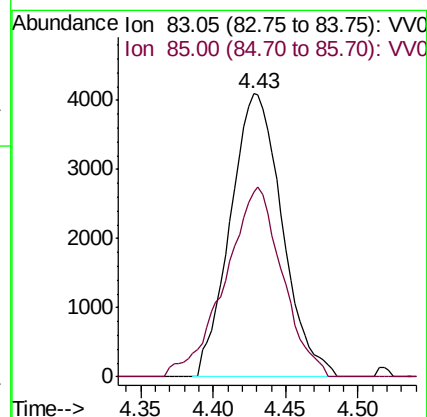
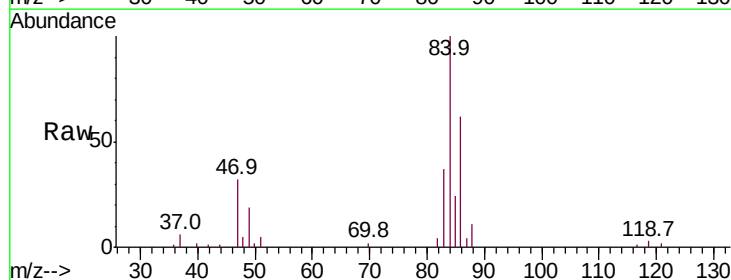
Tot Ion: 96 Resp: 139649
 Ion Ratio Lower Upper
 96 100
 61 125.6 89.0 165.2
 68 0.0 0.0 0.0

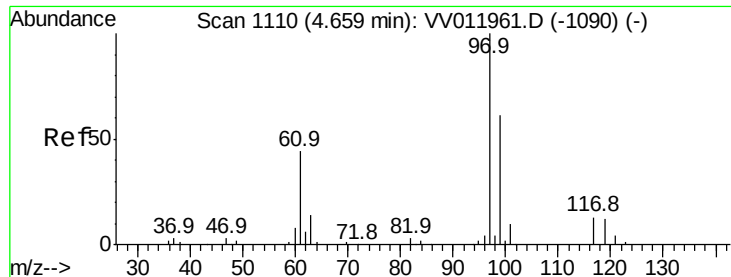


#25

Chloroform
 Concen: 0.498 ug/L
 RT: 4.43 min Scan# 1038
 Delta R.T. -0.00 min
 Lab File: VV011976.D
 Acq: 23 Jul 2019 20:25

Tgt Ion: 83 Resp: 10160
 Ion Ratio Lower Upper
 83 100
 85 65.2 46.5 86.3

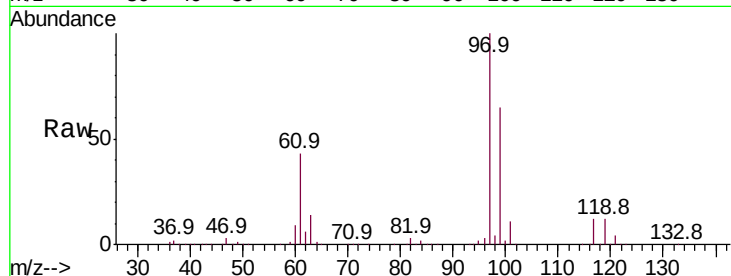




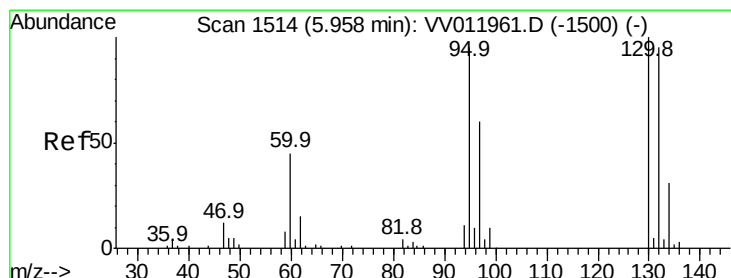
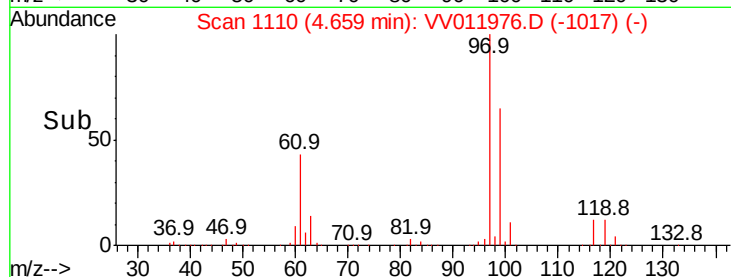
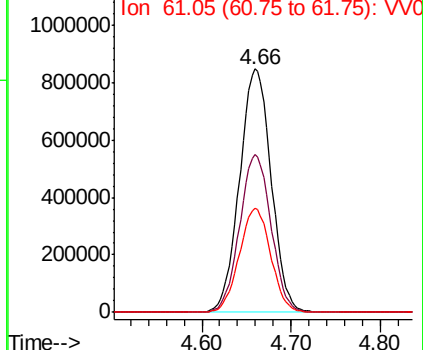
#29
1,1,1-Trichloroethane
Concen: 127.262 ug/L
RT: 4.66 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VV011976.D
Acq: 23 Jul 2019 20:25

Instrument :
MSVOA_V
ClientSampled :
A52K2

Tot Ion: 97 Resp: 2080953
Ion Ratio Lower Upper
97 100
99 64.6 51.7 77.5
61 42.6 35.1 52.7

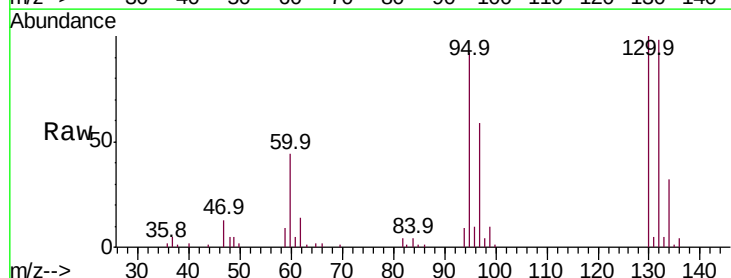


Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 61.05 (60.75 to 61.75): VV0

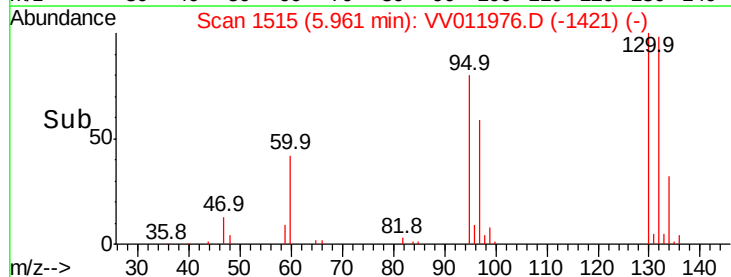
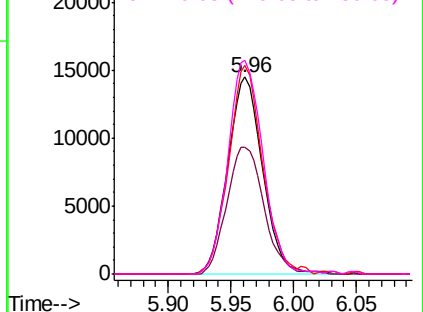


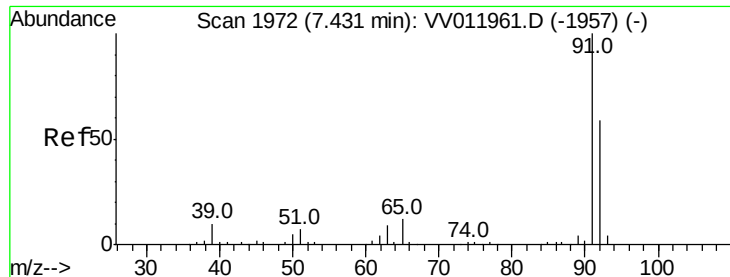
#34
Trichloroethene
Concen: 2.688 ug/L
RT: 5.96 min Scan# 1515
Delta R.T. 0.00 min
Lab File: VV011976.D
Acq: 23 Jul 2019 20:25

Tgt Ion: 95 Resp: 28055
Ion Ratio Lower Upper
95 100
97 64.2 45.6 84.6
132 105.8 71.3 132.3
130 108.4 72.8 135.2



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





#42

Toluene

Concen: 0.210 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV011976.D

Acq: 23 Jul 2019 20:25

Instrument :

MSVOA_V

ClientSampled :

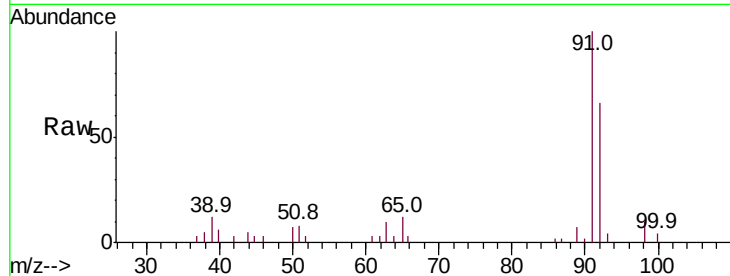
A52K2

Tot Ion: 91 Resp: 8463

Ion Ratio Lower Upper

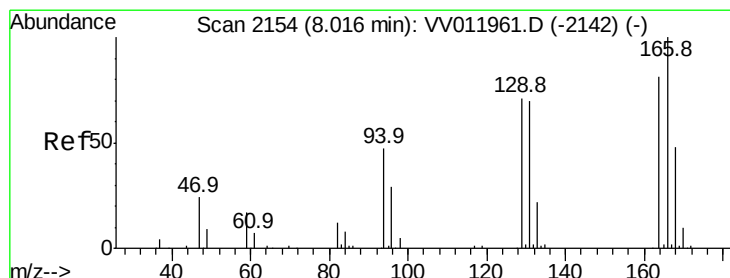
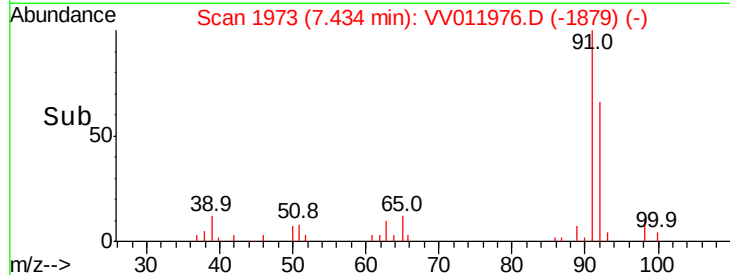
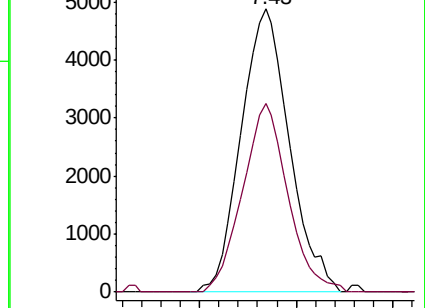
91 100

92 66.5 41.9 77.9



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#47

Tetrachloroethene

Concen: 1.820 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV011976.D

Acq: 23 Jul 2019 20:25

Tgt Ion: 164 Resp: 16388

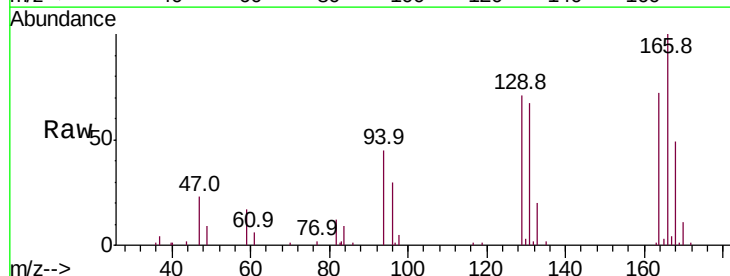
Ion Ratio Lower Upper

164 100

129 99.3 62.5 116.1

131 93.1 58.6 108.8

166 139.7 88.2 163.8

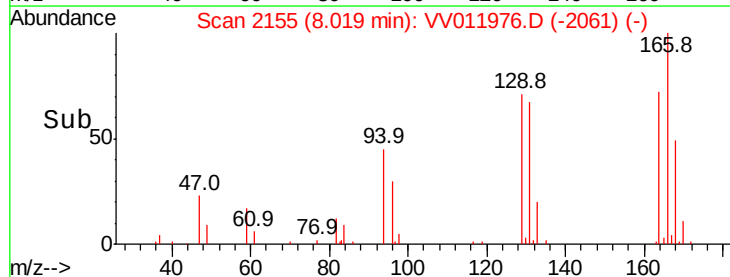
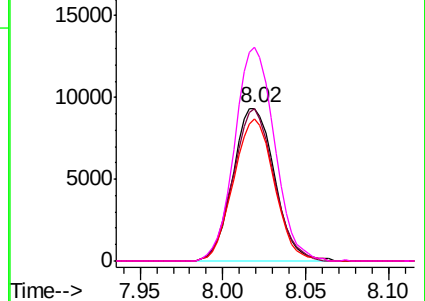


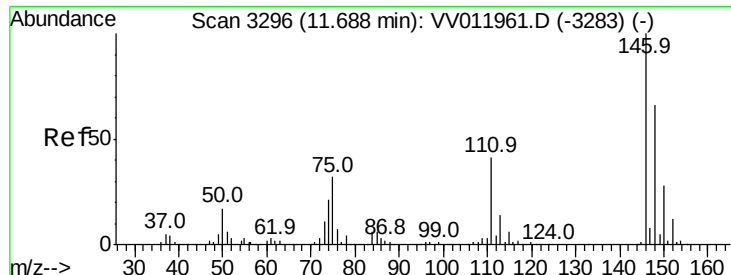
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

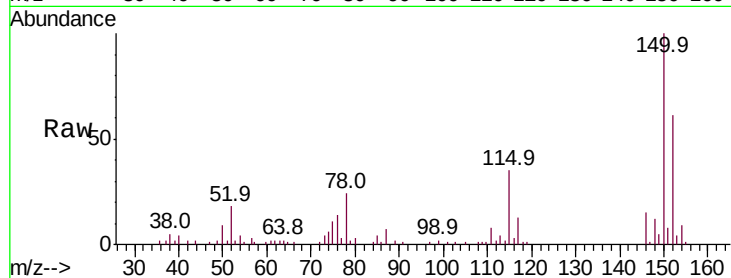




#65
 1,2-Dichlorobenzene
 Concen: 0.269 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. -0.00 min
 Lab File: VV011976.D
 Acq: 23 Jul 2019 20:25

Instrument :
 MSVOA_V
 ClientSampleId :
 A52K2

Tot Ion	Ratio	Lower	Upper
146	100		
111	55.0	32.5	48.7#
148	75.2	51.4	77.0



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

