

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112019\
 Data File : VV013698.D
 Acq On : 20 Nov 2019 19:08
 Operator : SY/MD
 Sample : K5941-04
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 B0AB3

Quant Time: Nov 21 02:51:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Nov 21 00:51:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	264000	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	250177	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	120461	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	113290	6.94	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	138.80%#
7) Chloroethane-d5	1.58	69	104826	7.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	144.00%#
11) 1,1-Dichloroethene-d2	2.14	63	746868	25.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	511.00%#
20) 2-Butanone-d5	3.95	46	321347	85.21	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	170.42%#
24) Chloroform-d	4.40	84	239503	6.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	132.80%#
26) 1,2-Dichloroethane-d4	5.08	65	128267	7.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	148.00%#
32) Benzene-d6	5.10	84	481018	6.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	138.00%#
36) 1,2-Dichloropropane-d6	6.11	67	151633	7.36	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	147.20%#
41) Toluene-d8	7.36	98	429592	6.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	132.60%#
43) trans-1,3-Dichloropropene-	7.66	79	53184	6.71	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	134.20%#
46) 2-Hexanone-d5	8.14	63	221820	73.91	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	147.82%#
57) 1,1,2,2-Tetrachloroethane-	10.26	84	116979	7.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	157.00%#
64) 1,2-Dichlorobenzene-d4	11.67	152	167247	7.21	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	144.20%#

Target Compounds

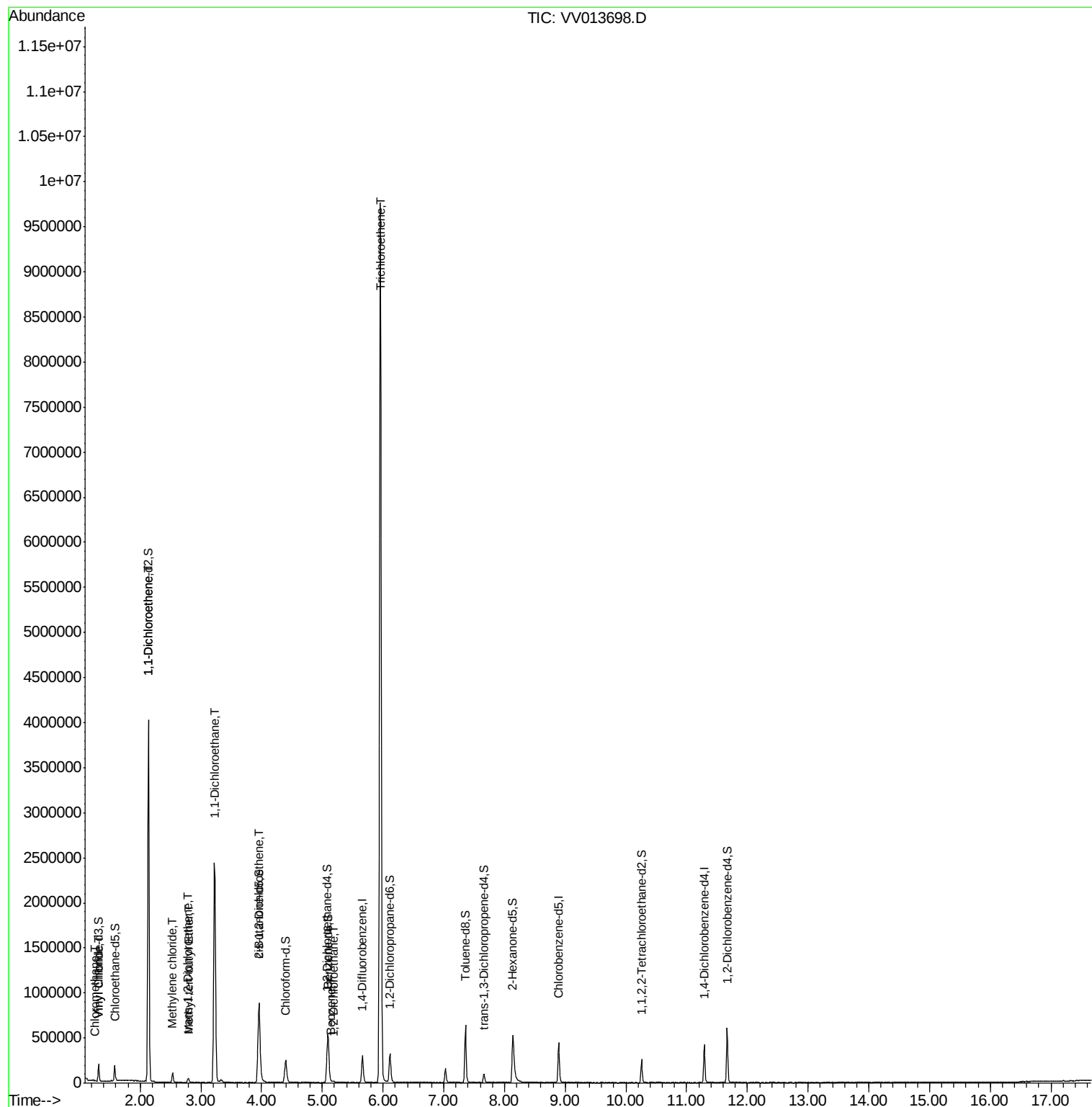
					Ovalue
3) Chloromethane	1.25	50	2910	0.125 ug/L	90
5) Vinyl chloride	1.32	62	3906	0.176 ug/L #	40
12) 1,1-Dichloroethene	2.14	96	1159555	73.516 ug/L #	78
16) Methylene chloride	2.53	84	43768	1.997 ug/L	97
17) Methyl tert-butyl Ether	2.81	73	6643	0.165 ug/L #	91
18) trans-1,2-Dichloroethene	2.79	96	17638	0.907 ug/L	97
19) 1,1-Dichloroethane	3.23	63	242547	69.830 ug/L	100
22) cis-1,2-Dichloroethene	3.96	96	416897	20.651 ug/L #	99
27) 1,2-Dichloroethane	5.18	62	12772	0.611 ug/L	96
33) Benzene	5.14	78	9923	0.131 ug/L	100
34) Trichloroethene	5.96	95	3195135	157.645 ug/L	98

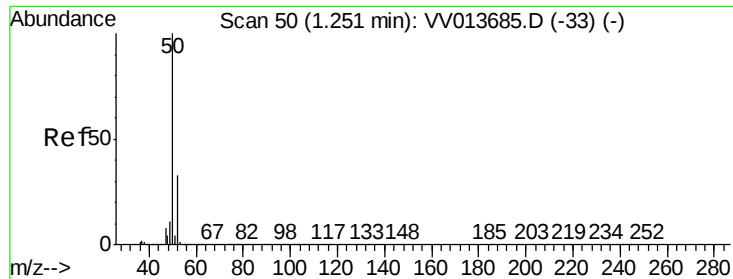
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV112019\
Data File : VV013698.D
Acq On : 20 Nov 2019 19:08
Operator : SY/MD
Sample : K5941-04
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
B0AB3

Quant Time: Nov 21 02:51:29 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Nov 21 00:51:34 2019
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.125 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV013698.D

Acq: 20 Nov 2019 19:08

Instrument :

MSVOA_V

ClientSampleId :

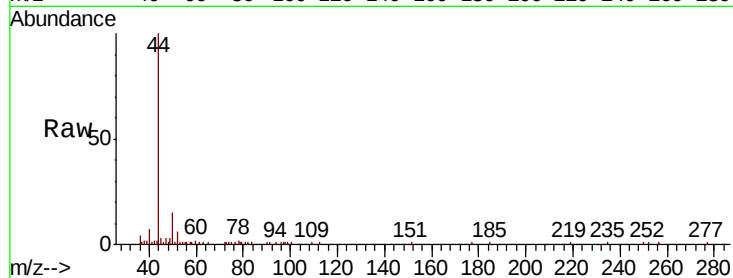
B0AB3

Tot Ion: 50 Resp: 2910

Ion Ratio Lower Upper

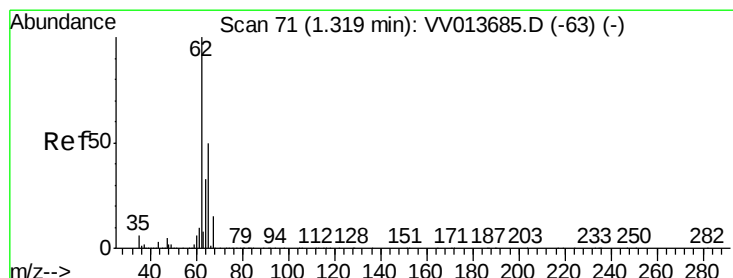
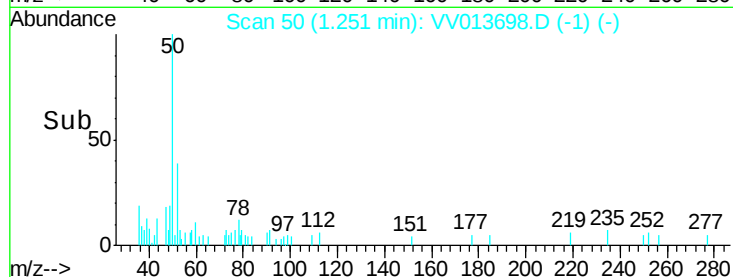
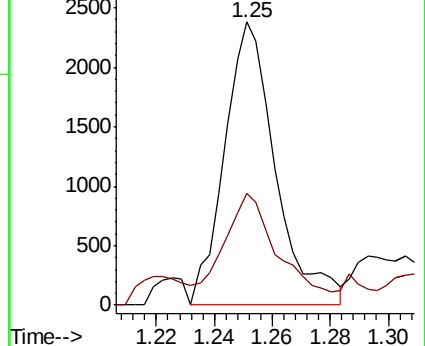
50 100

52 39.3 23.4 43.4



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



#5

Vinyl chloride

Concen: 0.176 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV013698.D

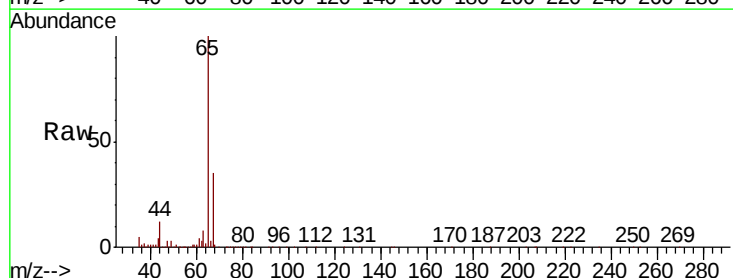
Acq: 20 Nov 2019 19:08

Tgt Ion: 62 Resp: 3906

Ion Ratio Lower Upper

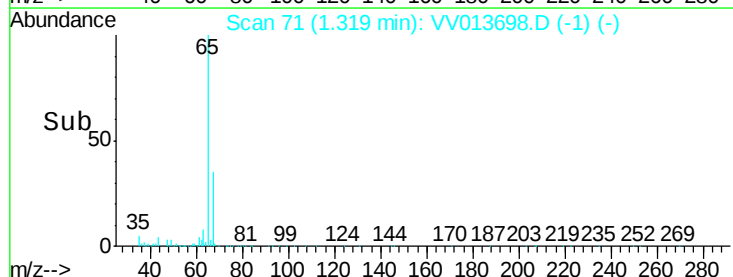
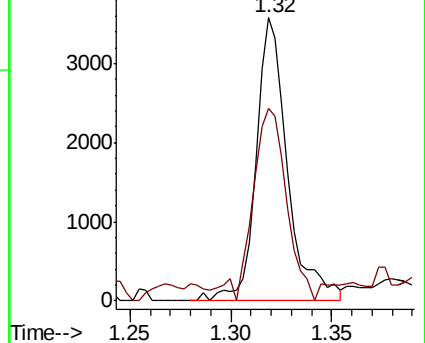
62 100

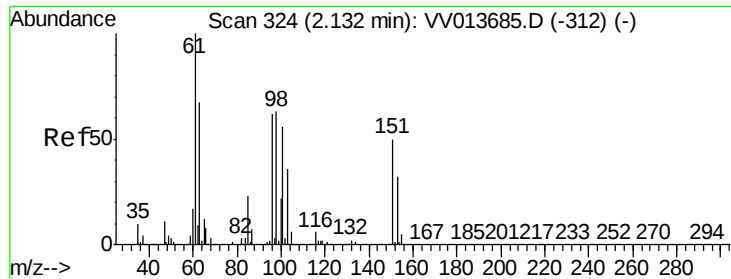
64 67.9 23.4 43.6#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0





#12

1,1-Dichloroethene

Concen: 73.516 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.01 min

Lab File: VV013698.D

Acq: 20 Nov 2019 19:08

Instrument :

MSVOA_V

ClientSampleId :

B0AB3

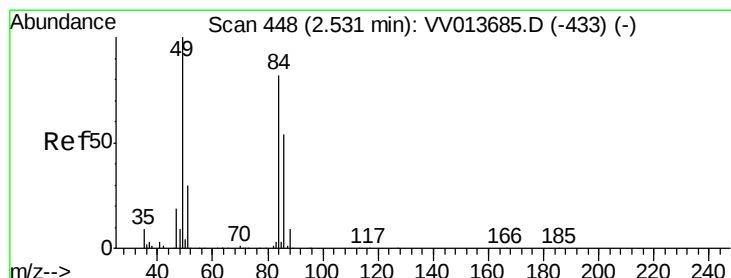
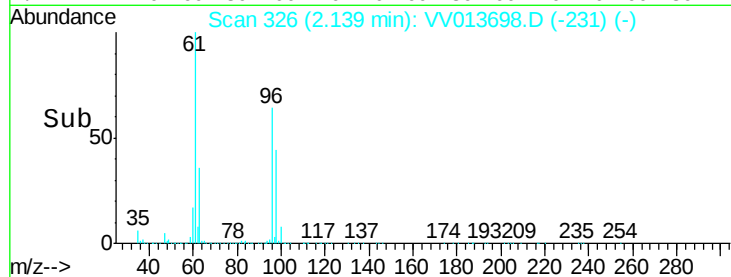
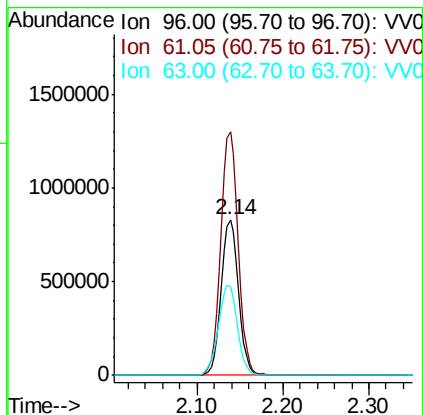
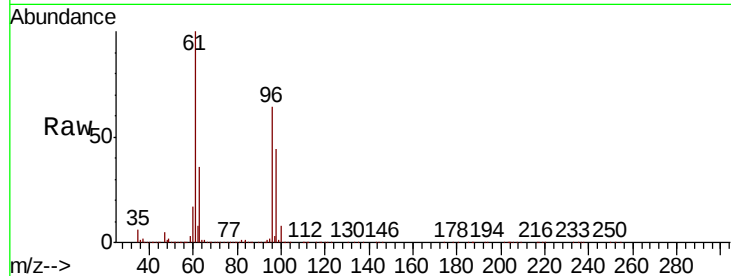
Tot Ion: 96 Resp: 1159555

Ion Ratio Lower Upper

96 100

61 156.4 112.5 208.9

63 56.8 76.9 142.7#



#16

Methylene chloride

Concen: 1.997 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV013698.D

Acq: 20 Nov 2019 19:08

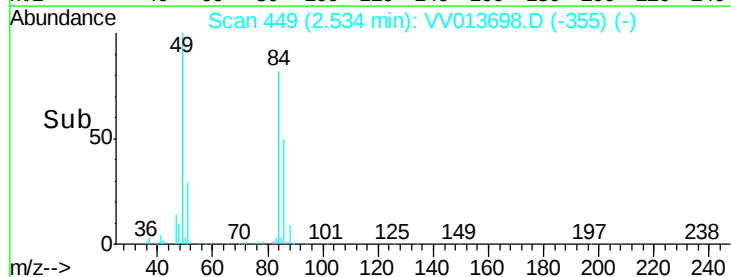
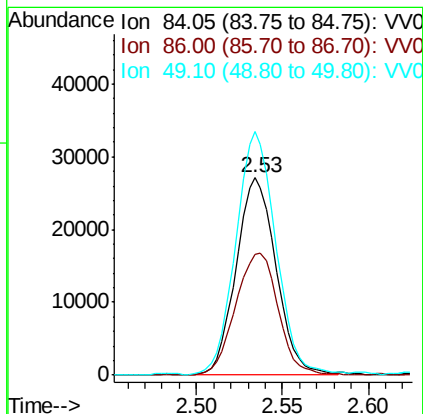
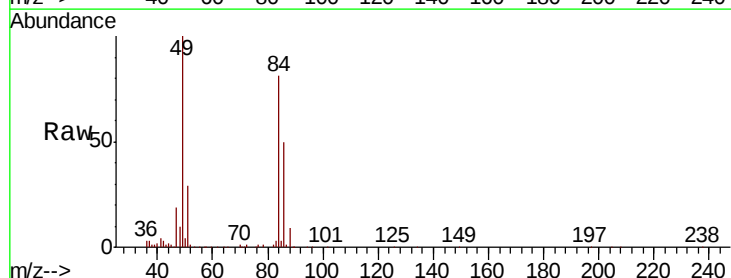
Tgt Ion: 84 Resp: 43768

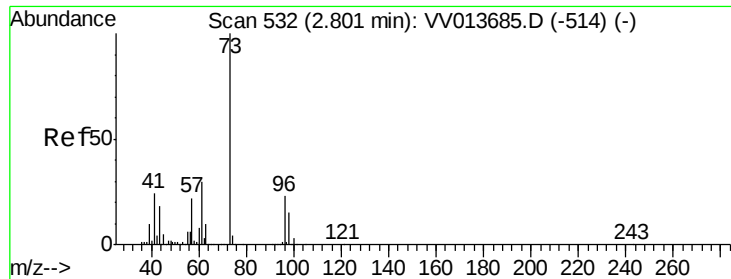
Ion Ratio Lower Upper

84 100

86 61.4 44.1 81.9

49 123.4 83.4 155.0





#17

Methvl tert-butvl Ether

Concen: 0.165 ug/L

RT: 2.81 min Scan# 534

Delta R.T. 0.01 min

Lab File: VV013698.D

Acq: 20 Nov 2019 19:08

Instrument :

MSVOA_V

ClientSampleId :

B0AB3

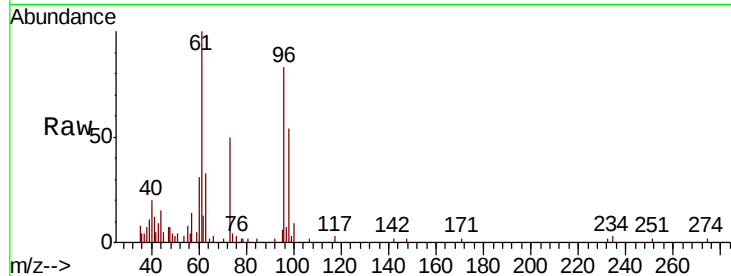
Tot Ion: 73 Resp: 6643

Ion Ratio Lower Upper

73 100

43 21.5 15.4 23.0

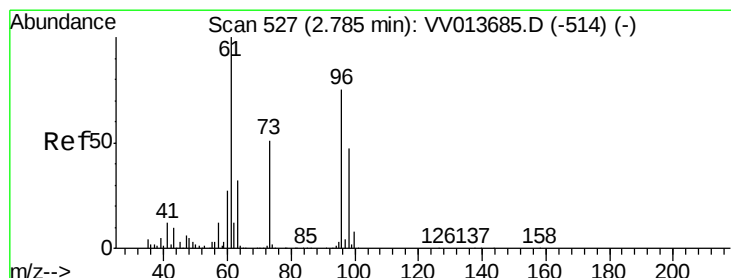
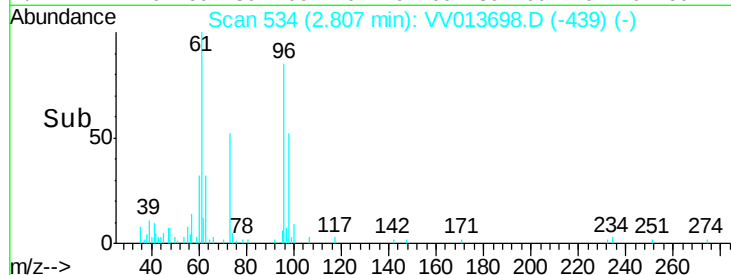
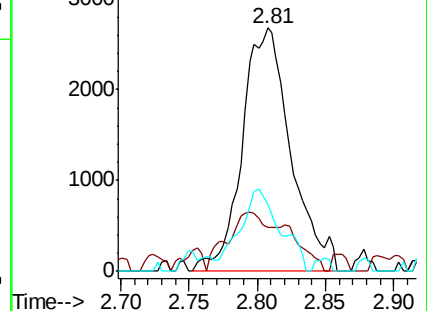
57 28.3 18.1 27.1#



Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0



#18

trans-1,2-Dichloroethene

Concen: 0.907 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.01 min

Lab File: VV013698.D

Acq: 20 Nov 2019 19:08

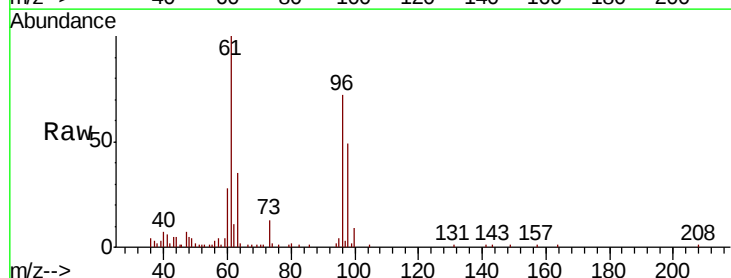
Tgt Ion: 96 Resp: 17638

Ion Ratio Lower Upper

96 100

61 139.2 101.0 187.6

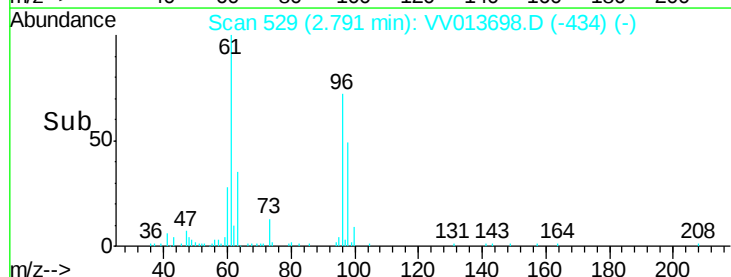
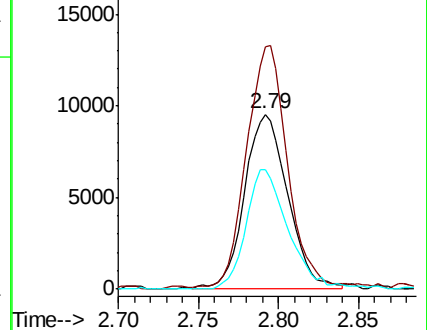
98 68.2 47.0 87.2

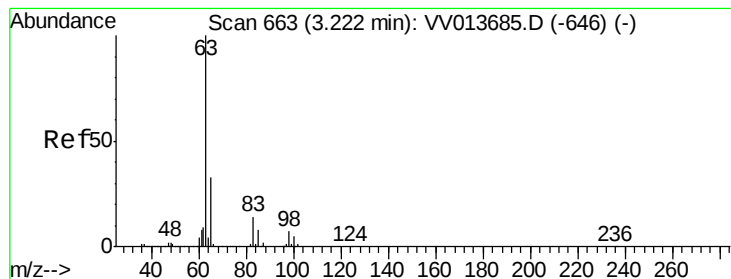


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0





#19

1,1-Dichloroethane

Concen: 69.830 ug/L

RT: 3.23 min Scan# 664

Delta R.T. 0.00 min

Lab File: VV013698.D

Acq: 20 Nov 2019 19:08

Instrument :

MSVOA_V

ClientSampleId :

B0AB3

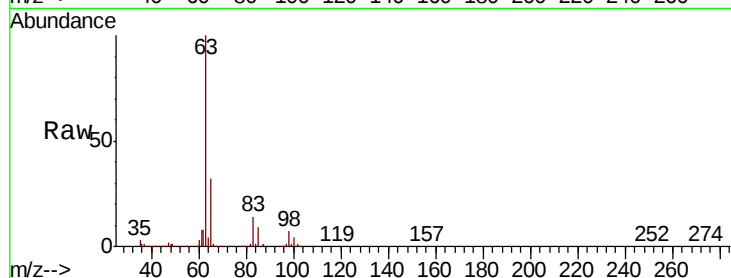
Tot Ion: 63 Resp: 2425547

Ion	Ratio	Lower	Upper
63	100		
65	32.3	22.5	41.7
83	13.6	9.7	17.9

63 100

65 32.3 22.5 41.7

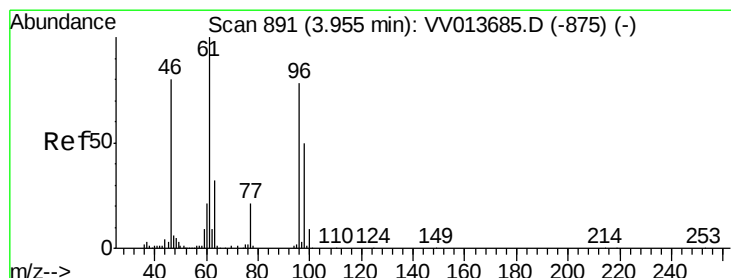
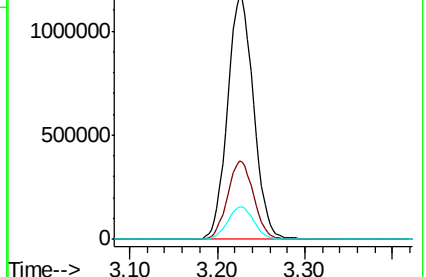
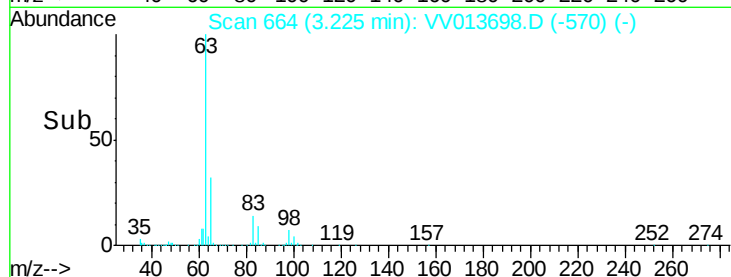
83 13.6 9.7 17.9



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



#22

cis-1,2-Dichloroethene

Concen: 20.651 ug/L

RT: 3.96 min Scan# 892

Delta R.T. 0.00 min

Lab File: VV013698.D

Acq: 20 Nov 2019 19:08

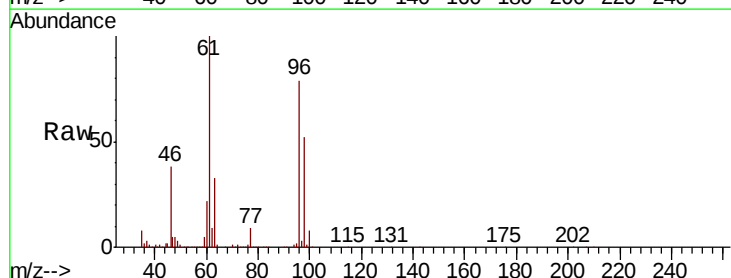
Tgt Ion: 96 Resp: 416897

Ion	Ratio	Lower	Upper
96	100		
61	126.6	87.7	162.9
68	0.0	0.1	0.3

96 100

61 126.6 87.7 162.9

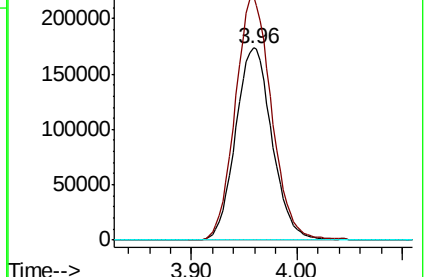
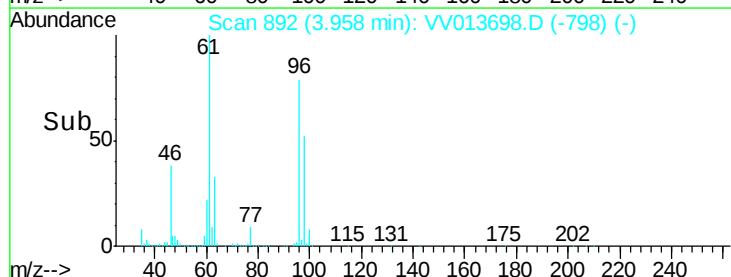
68 0.0 0.1 0.3

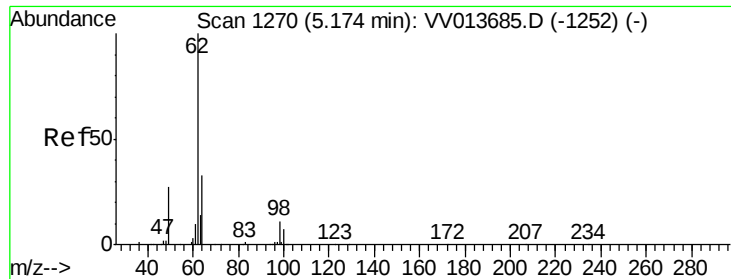


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0





#27

1,2-Dichloroethane

Concen: 0.611 ug/L

RT: 5.18 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VV013698.D

Acq: 20 Nov 2019 19:08

Instrument :

MSVOA_V

ClientSampleId :

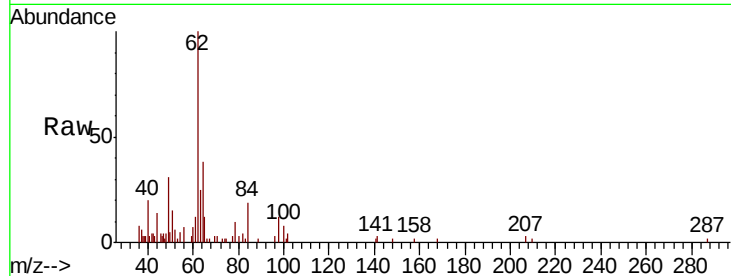
B0AB3

Tot Ion: 62 Resp: 12772

Ion Ratio Lower Upper

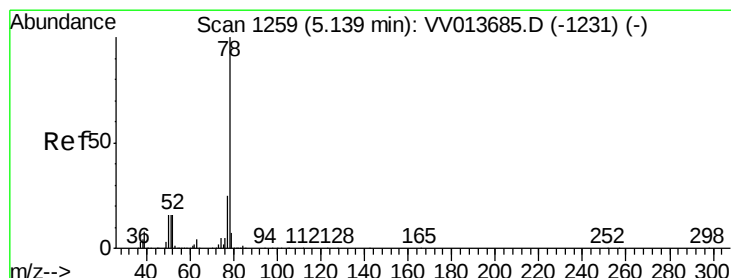
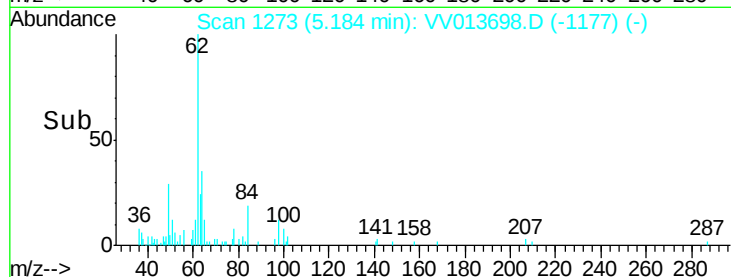
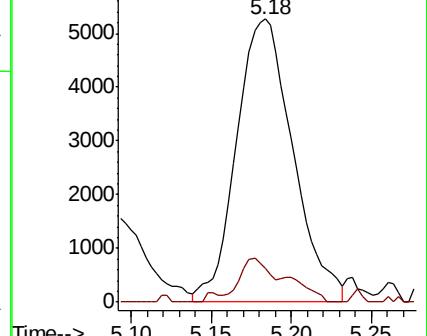
62 100

98 11.7 8.2 12.2



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.05 (97.75 to 98.75): VV0



#33

Benzene

Concen: 0.131 ug/L

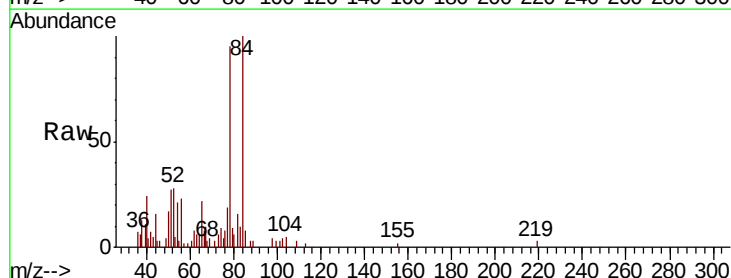
RT: 5.14 min Scan# 1261

Delta R.T. 0.01 min

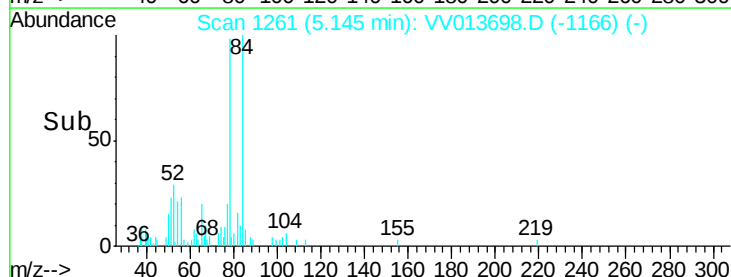
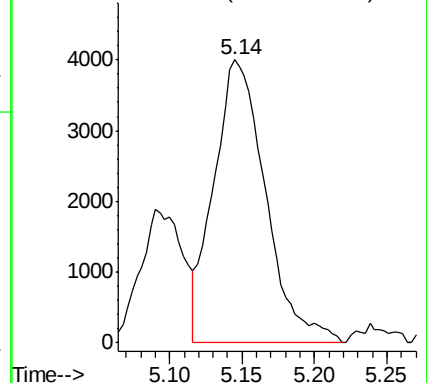
Lab File: VV013698.D

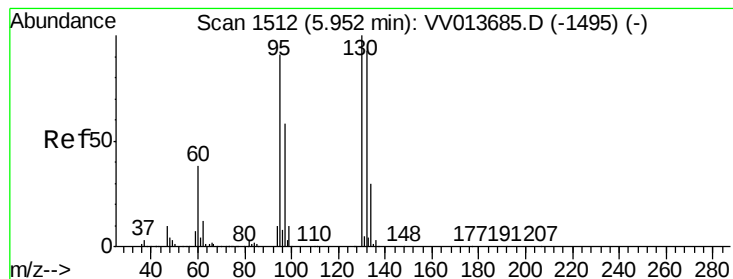
Acq: 20 Nov 2019 19:08

Tgt Ion: 78 Resp: 9923



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 157.645 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV013698.D

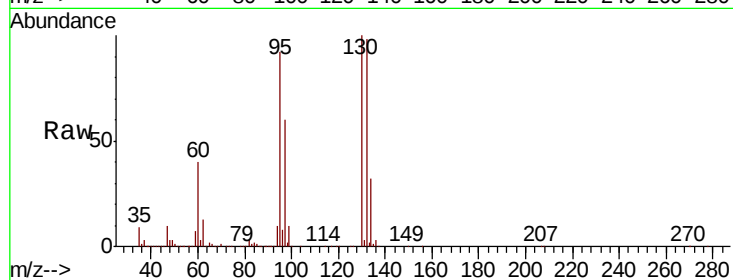
Acq: 20 Nov 2019 19:08

Instrument :

MSVOA_V

ClientSampleId :

B0AB3



Tot Ion: 95 Resp: 3195135

Ion Ratio Lower Upper

95 100

97 64.8 44.8 83.2

132 106.3 72.9 135.3

130 108.6 75.1 139.5

