

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 :

Quant Time: Nov 21 00:55:35 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
8) Chloroethane	1.60	64	10411	0.834 ug/L	83
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	4654	0.286 ug/L #	24
12) 1,1-Dichloroethene	2.14	96	1159555	73.516 ug/L #	78
14) Carbon disulfide	2.32	76	3692	0.068 ug/L #	75
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	2425547	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
35) Methylcyclohexane	6.11	83	36066	1.167 ug/L #	17
37) 1,2-Dichloropropane	6.23	63	1504	0.083 ug/L #	93
48) 2-Hexanone	8.14	43	26255	3.509 ug/L #	85

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QLast Update : Thu Nov 21 00:51:34 2019
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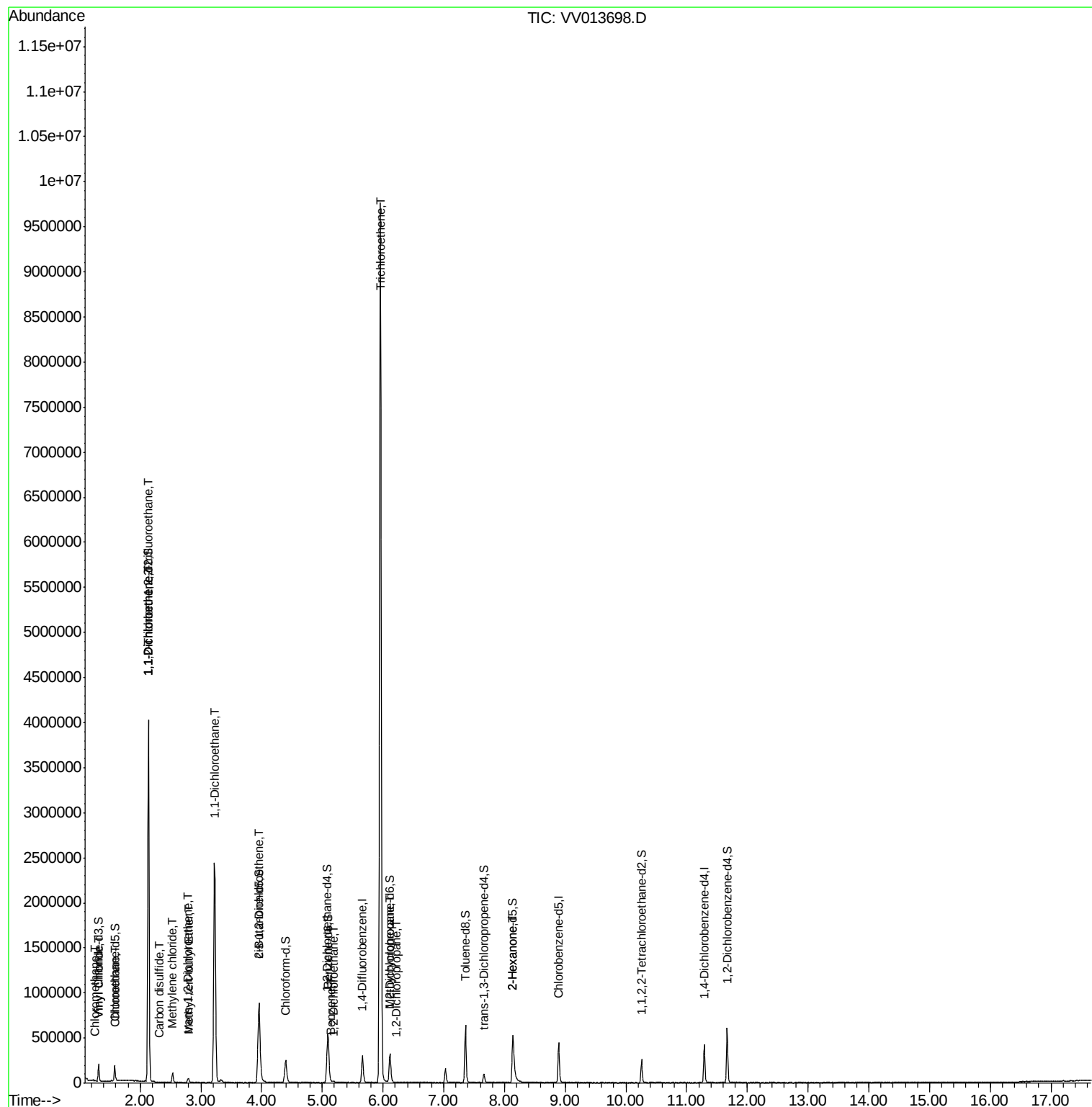
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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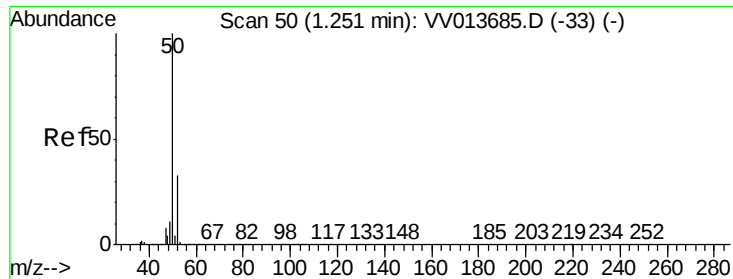
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#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

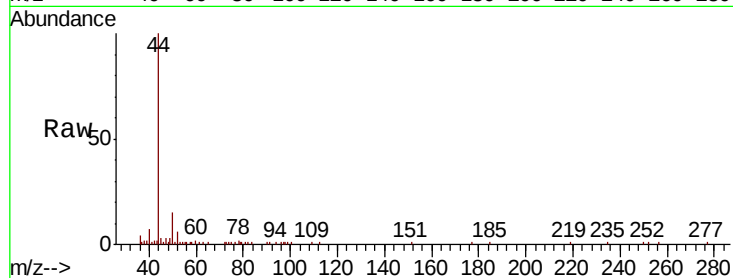
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 50 Resp: 2910

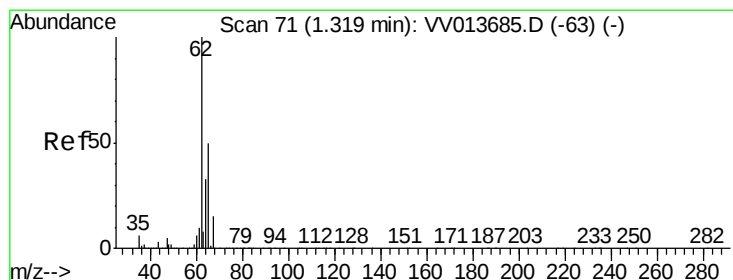
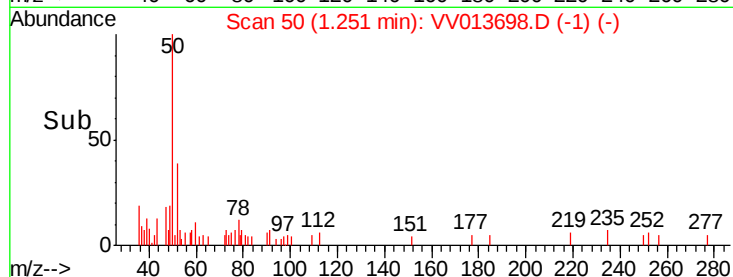
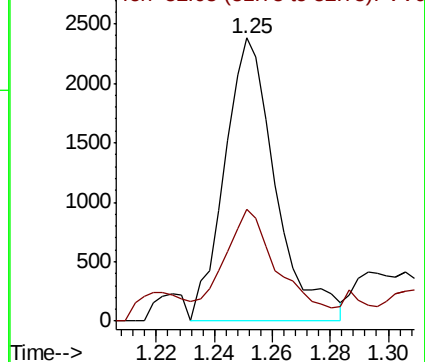
Ion Ratio Lower Upper

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

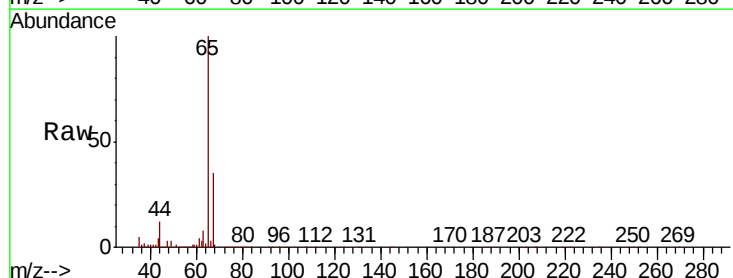
Acq: 20 Nov 2019 19:08

Tgt Ion: 62 Resp: 3906

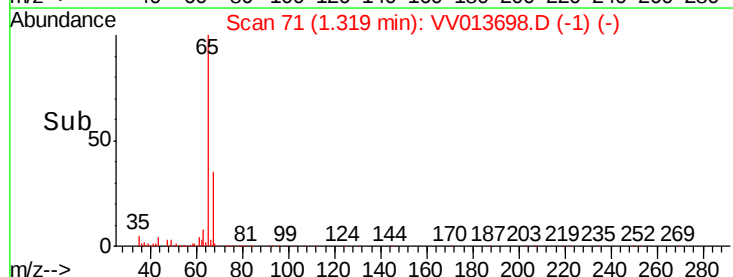
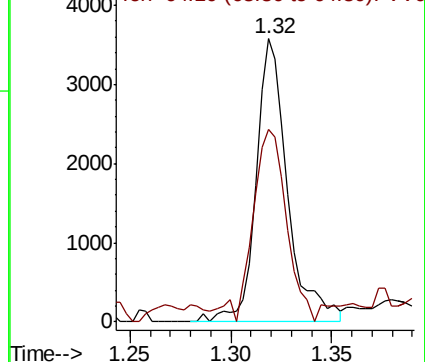
Ion Ratio Lower Upper

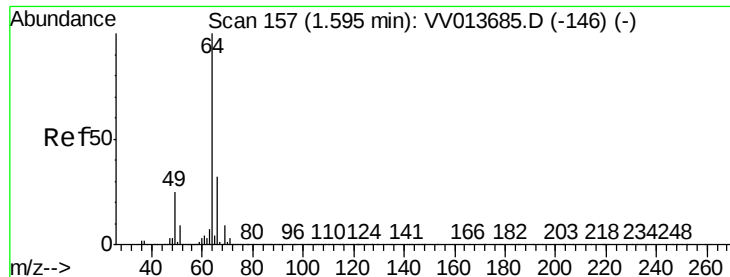
62 100

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





#8

Chloroethane

Concen: 0.834 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV013698.D

Acq: 20 Nov 2019 19:08

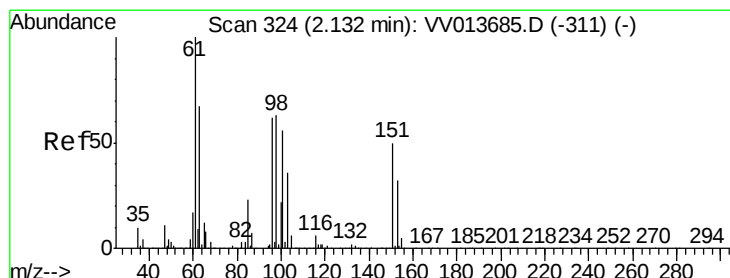
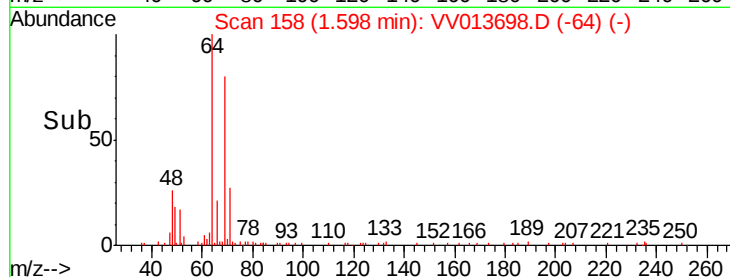
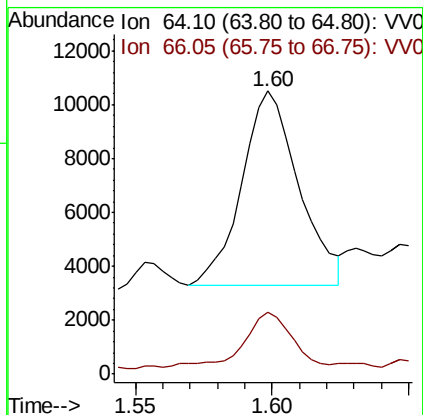
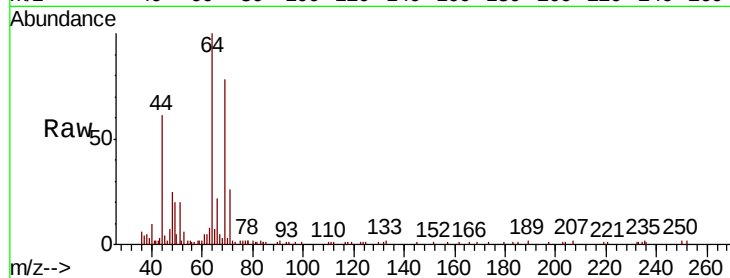
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 64 Resp: 10411

Ion Ratio Lower Upper

64 100

66 22.1 21.9 40.7



#10

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

Concen: 0.286 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.01 min

Lab File: VV013698.D

Acq: 20 Nov 2019 19:08

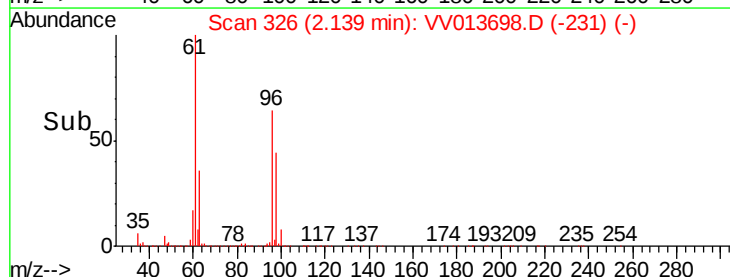
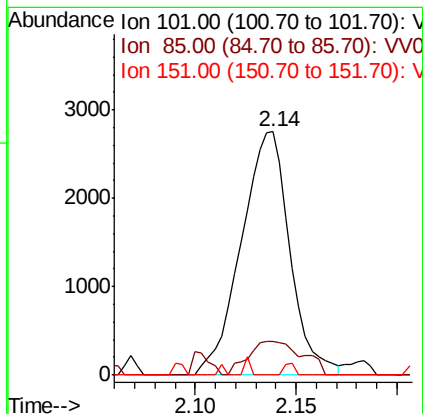
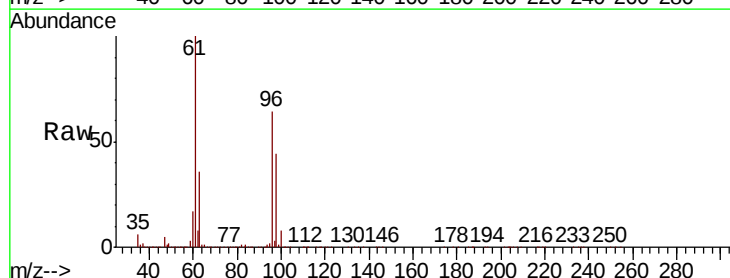
Tgt Ion: 101 Resp: 4654

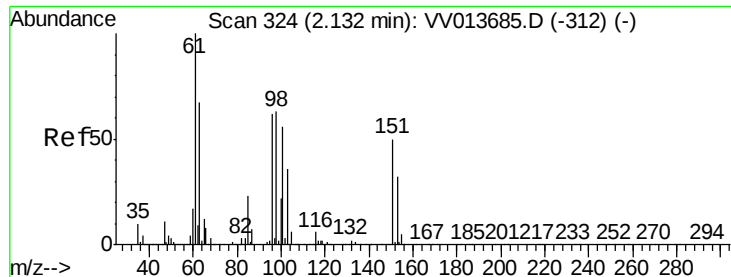
Ion Ratio Lower Upper

101 100

85 15.4 32.0 48.0#

151 1.0 69.0 103.6#



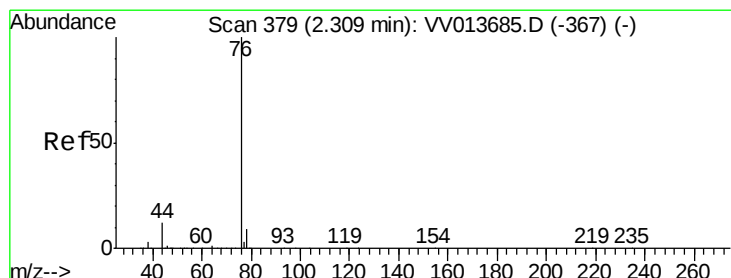
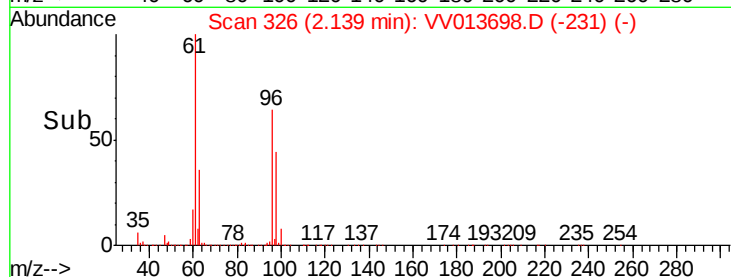
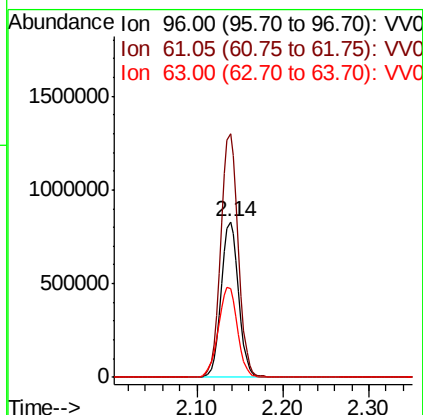
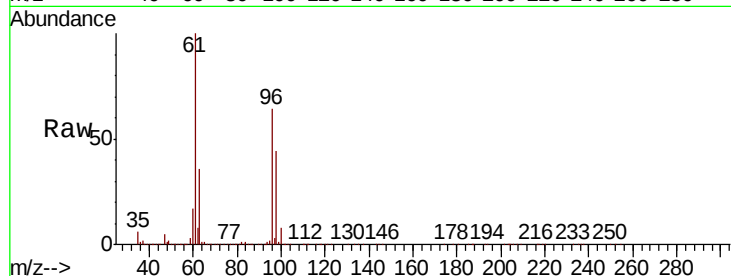


#12
 1,1-Dichloroethene
 Concen: 73.516 ug/L
 RT: 2.14 min Scan# 326
 Delta R.T. 0.01 min
 Lab File: VV013698.D
 Acq: 20 Nov 2019 19:08

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 96 Resp: 1159555

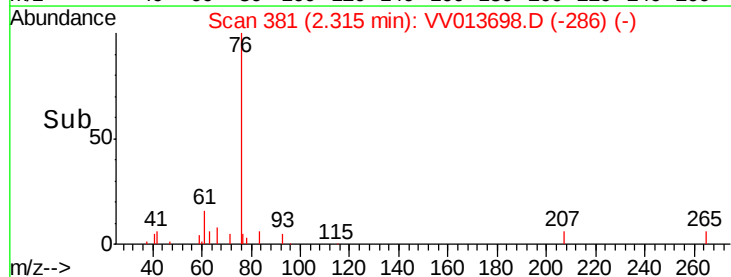
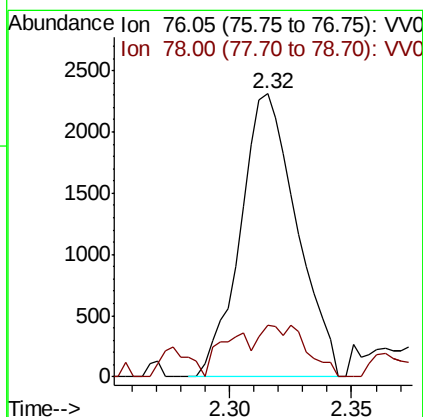
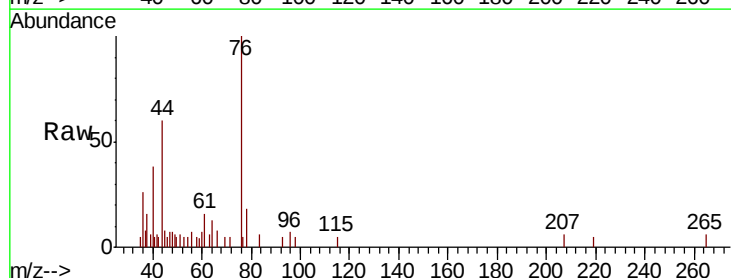
Ion	Ratio	Lower	Upper
96	100		
61	156.4	112.5	208.9
63	56.8	76.9	142.7#

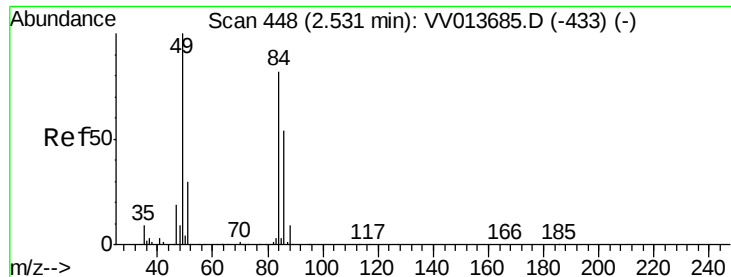


#14
 Carbon disulfide
 Concen: 0.068 ug/L
 RT: 2.32 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VV013698.D
 Acq: 20 Nov 2019 19:08

Tgt Ion: 76 Resp: 3692

Ion	Ratio	Lower	Upper
76	100		
78	18.3	7.4	11.2#

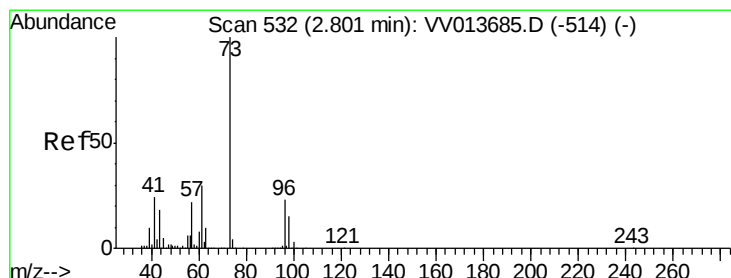
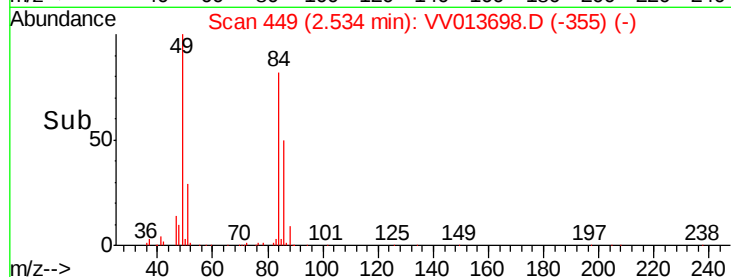
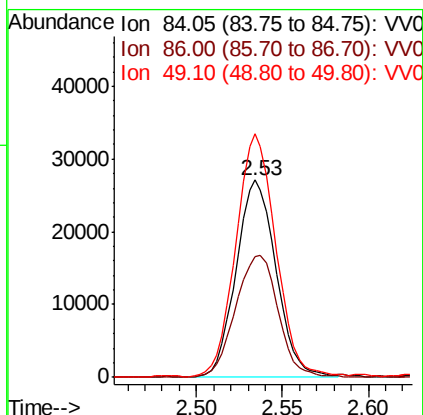
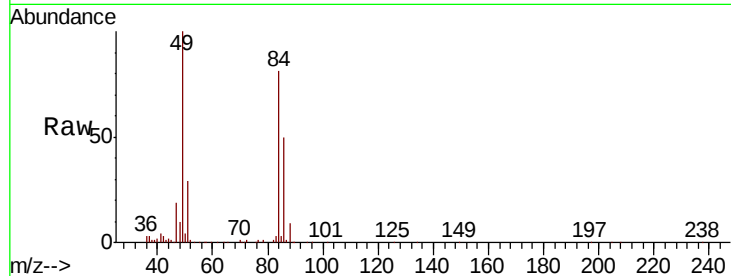




#16
Methylene chloride
Concen: 1.997 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV013698.D
Acq: 20 Nov 2019 19:08

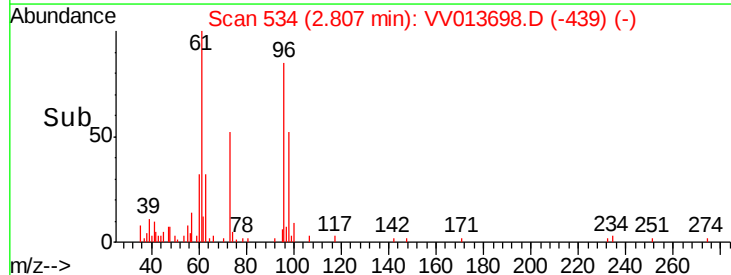
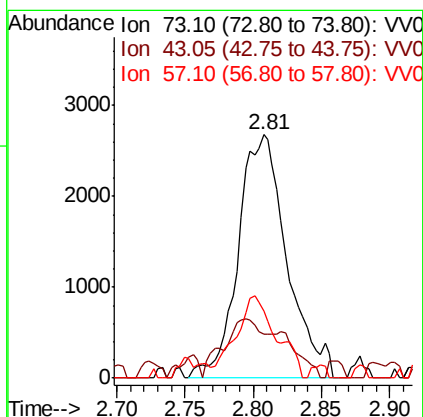
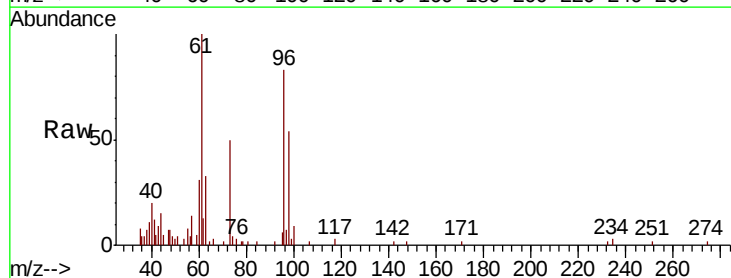
Instrument :
MSVOA_V
ClientSampleId :

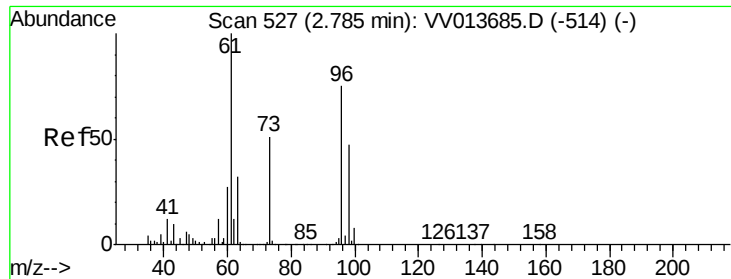
Tot Ion: 84 Resp: 43768
Ion Ratio Lower Upper
84 100
86 61.4 44.1 81.9
49 123.4 83.4 155.0



#17
Methyl tert-butyl 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

Tgt Ion: 73 Resp: 6643
Ion Ratio Lower Upper
73 100
43 21.5 15.4 23.0
57 28.3 18.1 27.1#





#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

Instrument :
MSVOA_V
ClientSampleId :

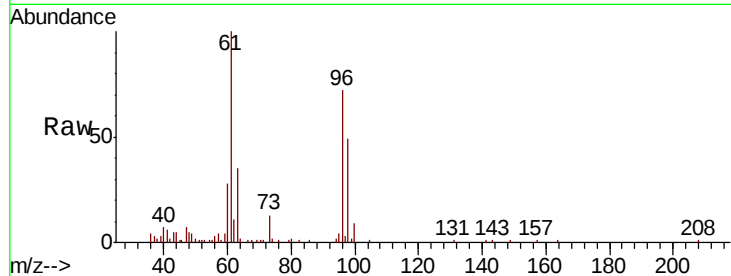
Tot Ion: 96 Resp: 17638

Ion Ratio Lower Upper

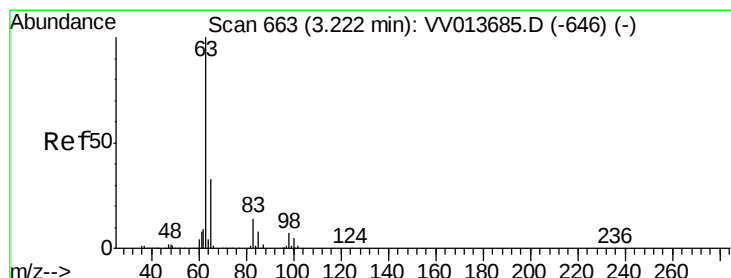
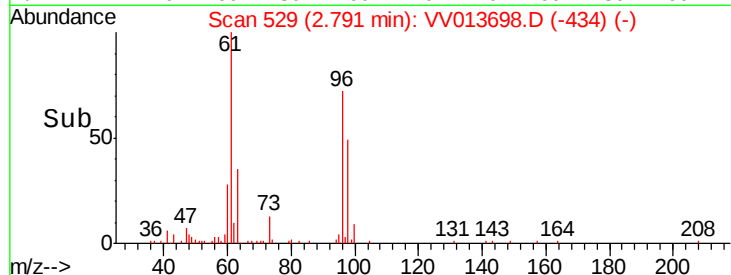
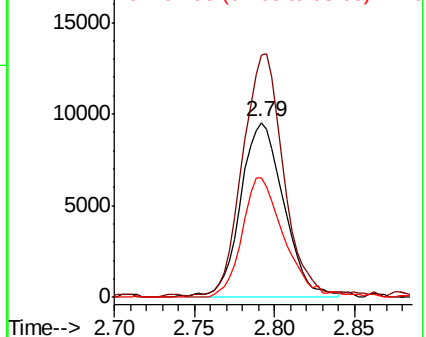
96 100

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

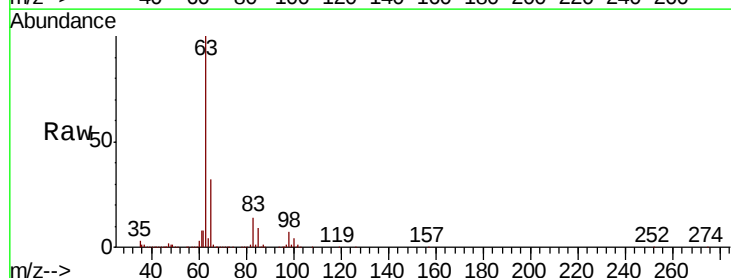
Tgt Ion: 63 Resp: 2425547

Ion Ratio Lower Upper

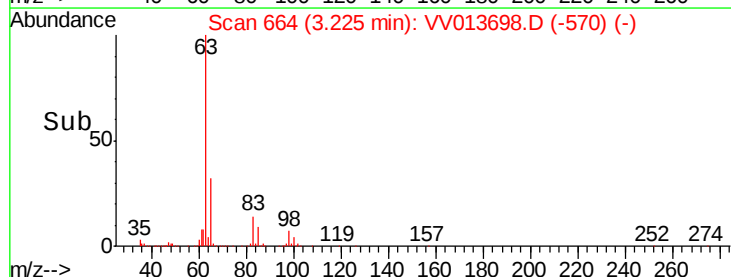
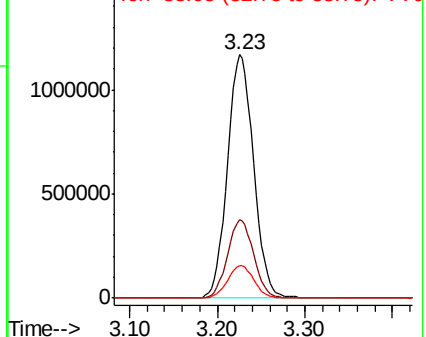
63 100

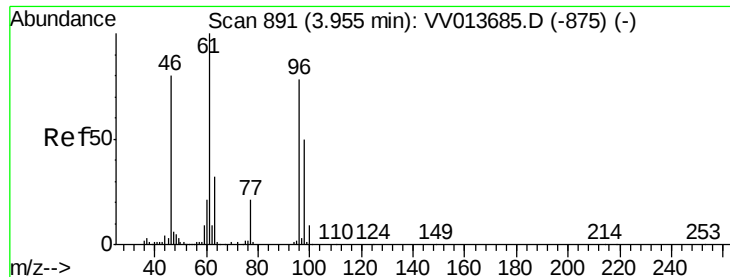
65 32.3 22.5 41.7

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

Instrument :
MSVOA_V
ClientSampleId :

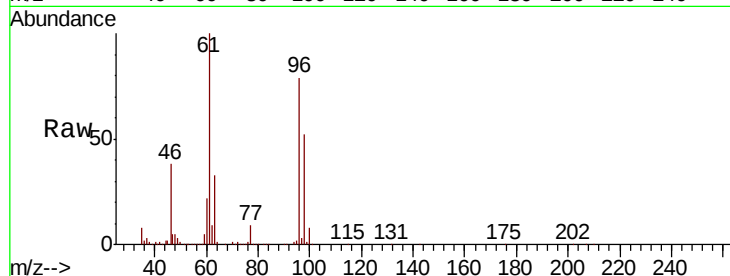
Tot Ion: 96 Resp: 416897

Ion Ratio Lower Upper

96 100

61 126.6 87.7 162.9

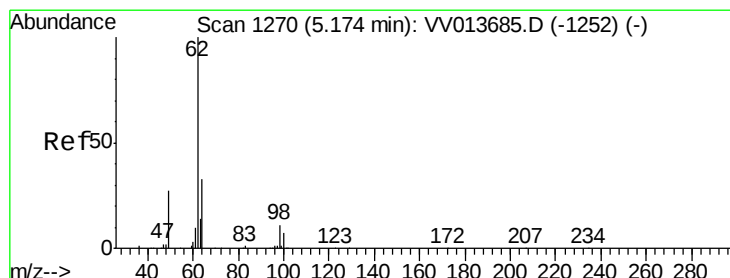
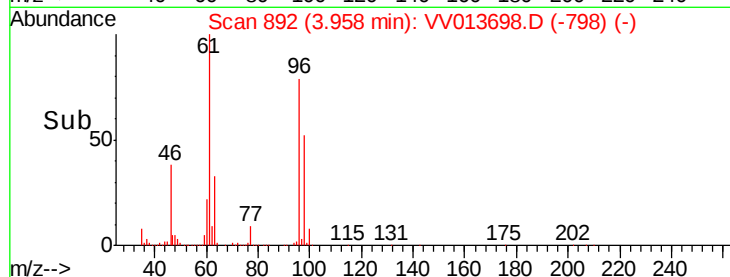
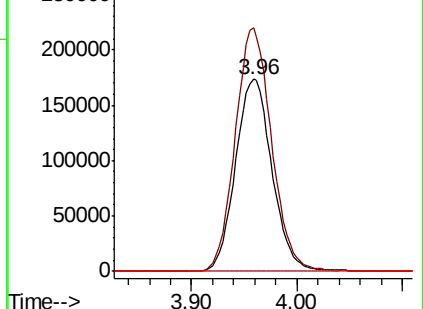
68 0.0 0.1 0.3#



Abundance Ion 96.00 (95.70 to 96.70): VV013685.D (-875) (-)

Ion 61.05 (60.75 to 61.75): VV013685.D (-875) (-)

Ion 68.15 (67.85 to 68.85): VV013685.D (-875) (-)



#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

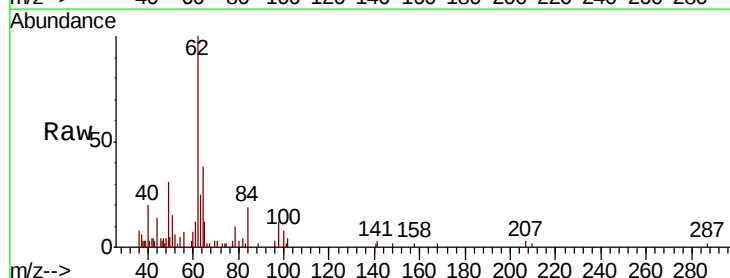
Acq: 20 Nov 2019 19:08

Tgt Ion: 62 Resp: 12772

Ion Ratio Lower Upper

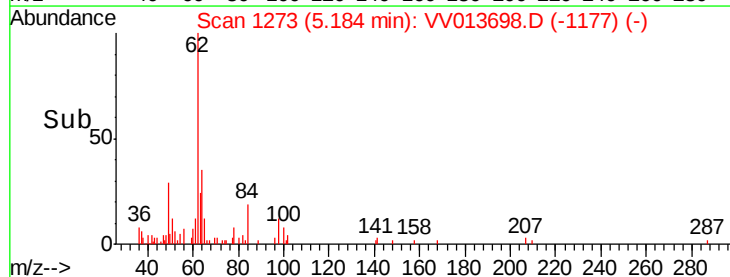
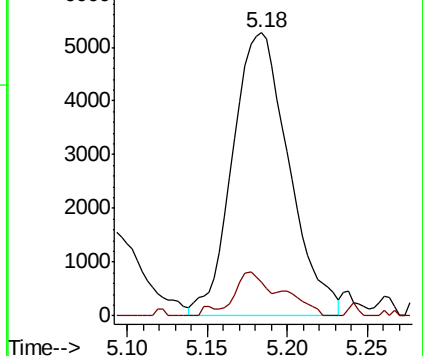
62 100

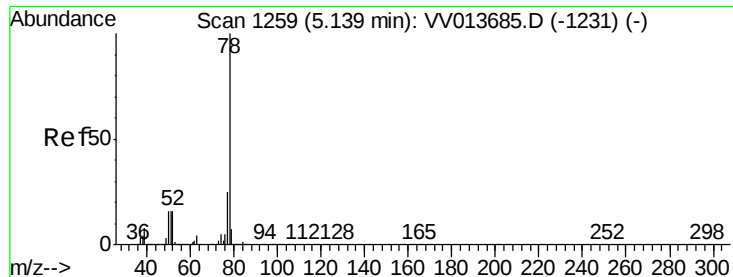
98 11.7 8.2 12.2



Abundance Ion 62.00 (61.70 to 62.70): VV013685.D (-1252) (-)

Ion 98.05 (97.75 to 98.75): VV013685.D (-1252) (-)

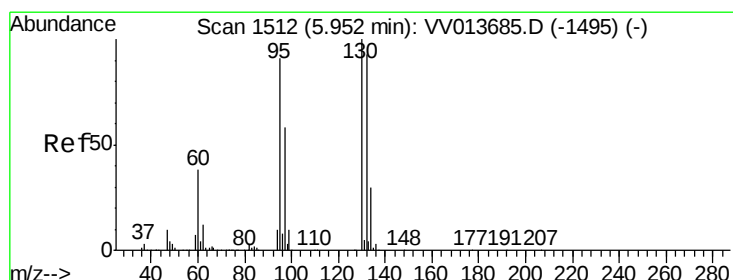
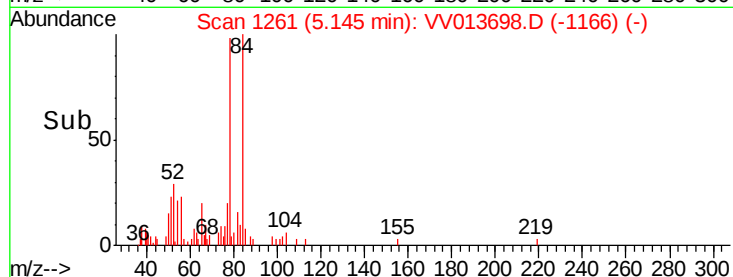
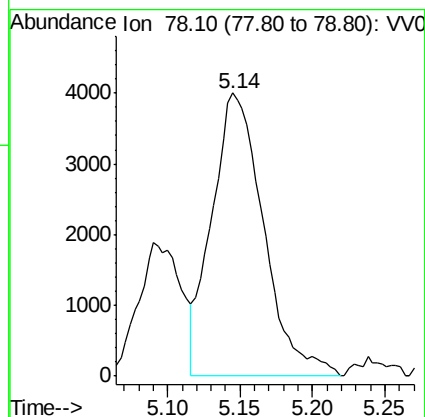
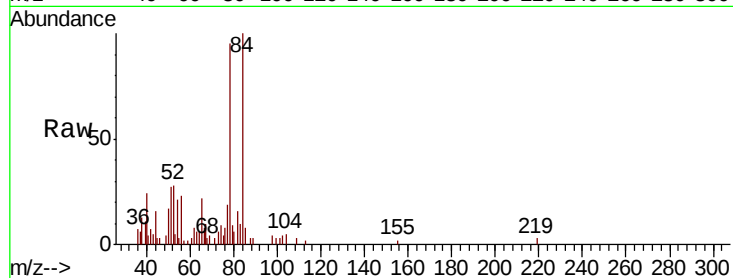




#33
Benzene
Concen: 0.131 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. 0.01 min
Lab File: VV013698.D
Acq: 20 Nov 2019 19:08

Tgt Ion: 78 Resp: 9923

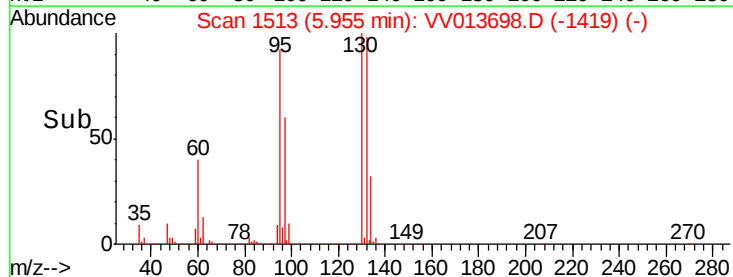
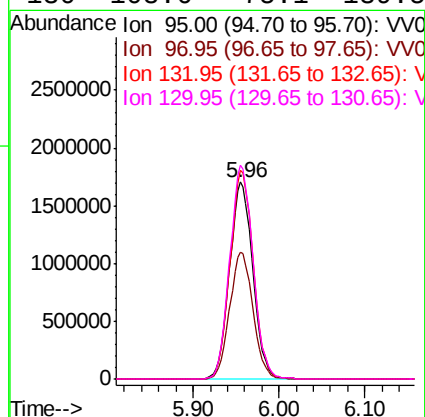
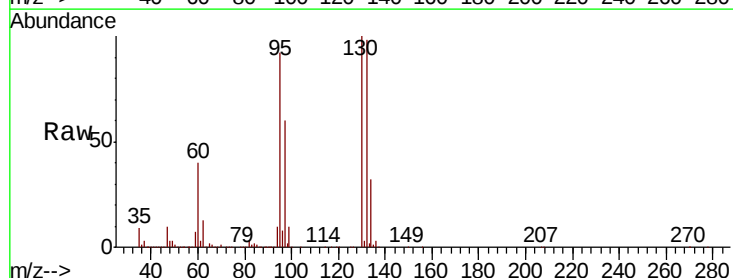
Instrument :
MSVOA_V
ClientSampleId :

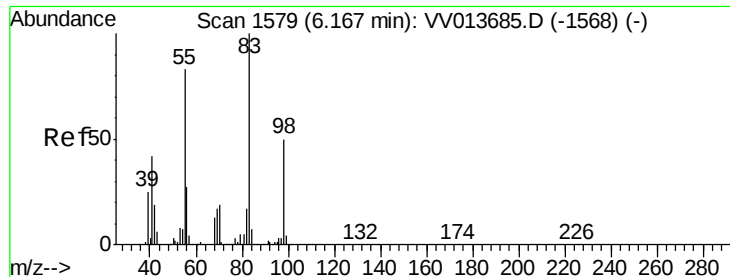


#34
Trichloroethene
Concen: 157.645 ug/L
RT: 5.96 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VV013698.D
Acq: 20 Nov 2019 19:08

Tgt 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

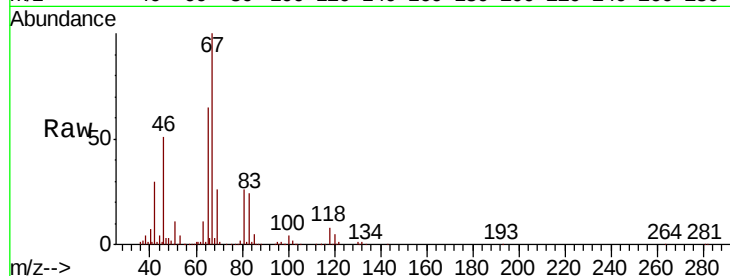




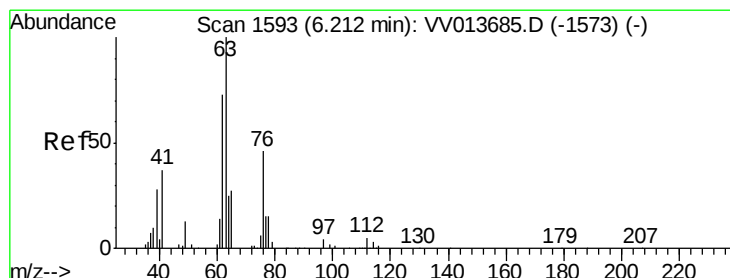
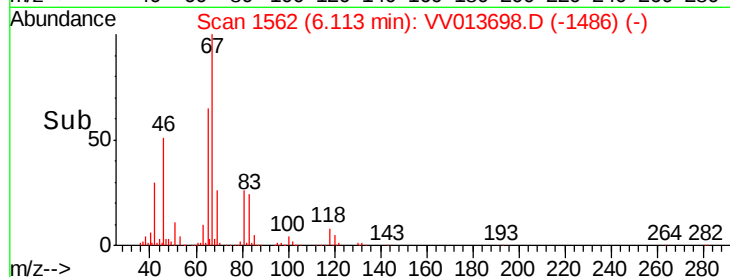
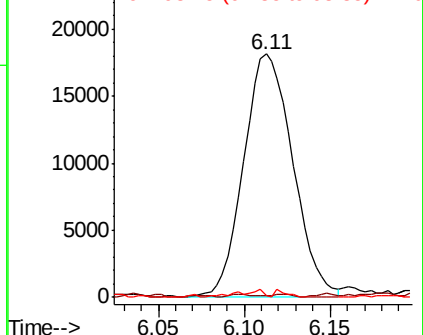
#35
Methvlcvclohexane
Concen: 1.167 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.05 min
Lab File: VV013698.D
Acq: 20 Nov 2019 19:08

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 36066
Ion Ratio Lower Upper
83 100
55 0.5 64.1 96.1#
98 0.0 38.2 57.2#

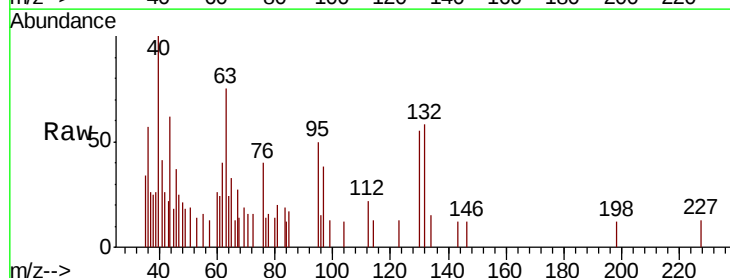


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

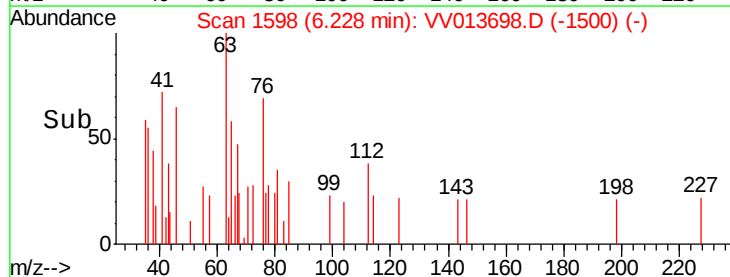
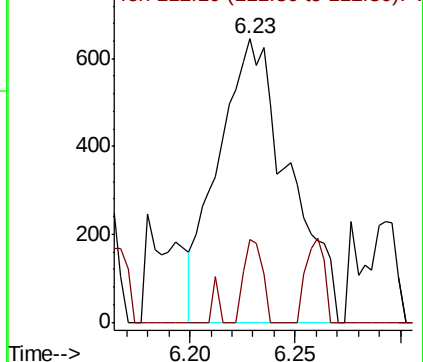


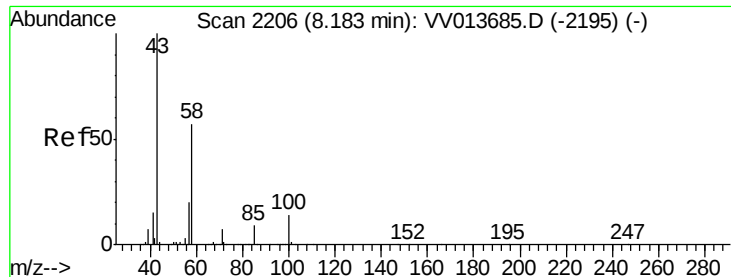
#37
1,2-Dichloropropane
Concen: 0.083 ug/L
RT: 6.23 min Scan# 1598
Delta R.T. 0.02 min
Lab File: VV013698.D
Acq: 20 Nov 2019 19:08

Tgt Ion: 63 Resp: 1504
Ion Ratio Lower Upper
63 100
112 7.6 4.1 6.1#



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





#48

2-Hexanone

Concen: 3.509 ug/L

RT: 8.14 min Scan# 2192

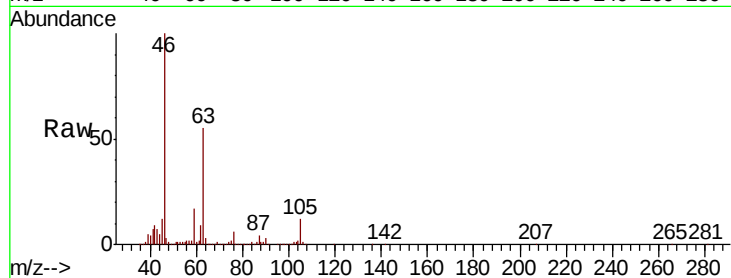
Delta R.T. -0.05 min

Lab File: VV013698.D

Acq: 20 Nov 2019 19:08

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	43	Resp:	26255
Ion	Ratio	Lower	Upper
43	100		
58	50.8	43.0	64.6
57	35.8	15.4	23.2#
100	2.4	10.1	15.1#



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

