

Data File : VV013711.D
Acq On : 21 Nov 2019 14:19
Operator : SY/MD
Sample : K5941-04 10X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
B0AB3

Quant Time: Nov 22 03:59:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 22 03:55:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	328680	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	328565	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	161856	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	126379	6.22	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	124.40%
7) Chloroethane-d5	1.55	69	82550	4.55	ug/L	-0.03
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.00%
11) 1,1-Dichloroethene-d2	2.12	63	234300	6.44	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	128.80%#
20) 2-Butanone-d5	3.92	46	321967	68.57	ug/L	-0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	137.14%#
24) Chloroform-d	4.39	84	247301	5.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.20%
26) 1,2-Dichloroethane-d4	5.07	65	133223	6.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	123.60%
32) Benzene-d6	5.09	84	516255	5.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.80%
36) 1,2-Dichloropropane-d6	6.11	67	159982	5.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	118.20%
41) Toluene-d8	7.35	98	460868	5.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.20%
43) trans-1,3-Dichloropropene-	7.66	79	53937	5.18	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.60%
46) 2-Hexanone-d5	8.13	63	247483	62.79	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	125.58%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	115362	5.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	117.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	198983	6.39	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	127.80%#

Target Compounds

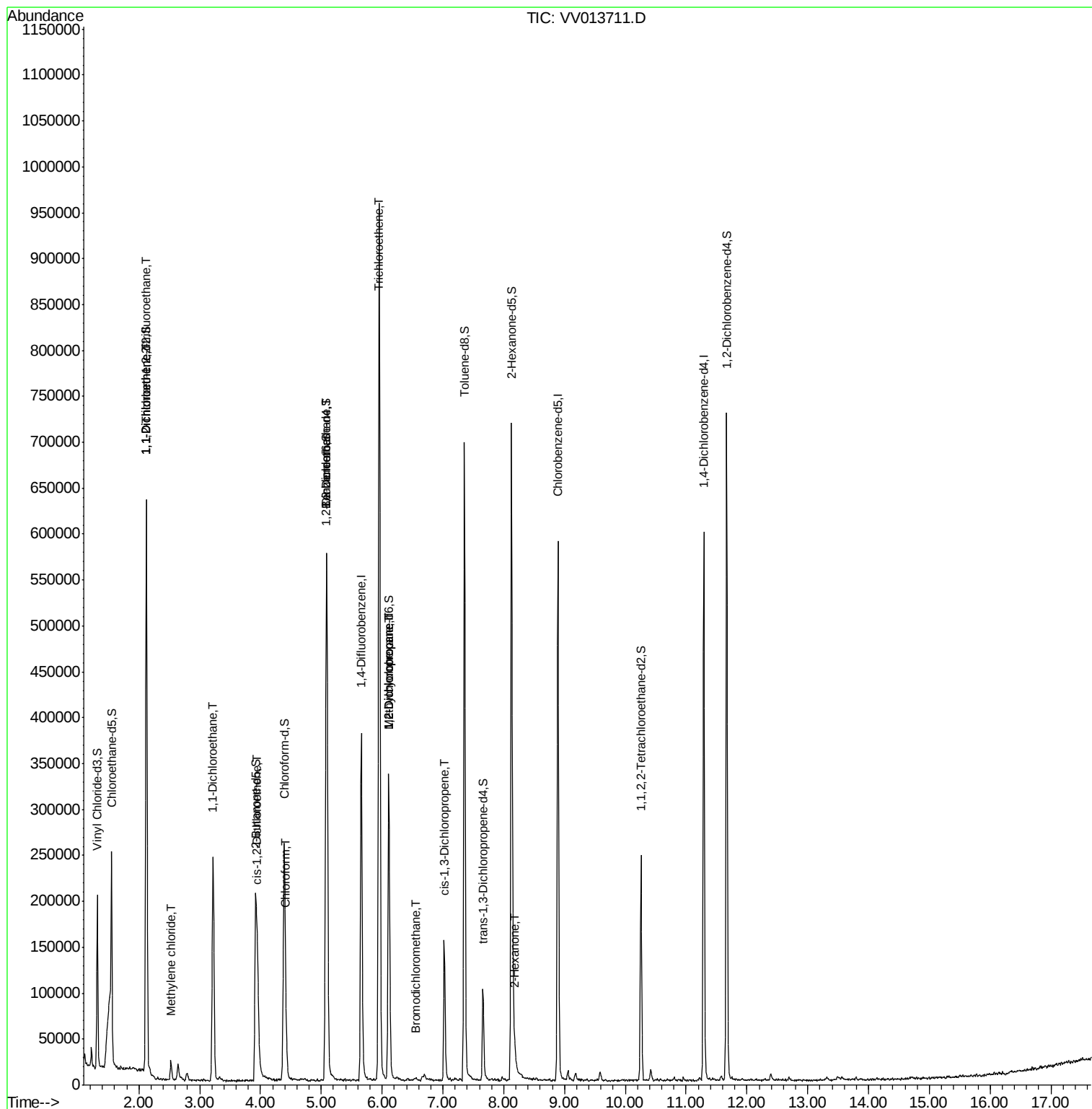
					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	2227	0.110 ug/L #	28
12) 1,1-Dichloroethene	2.13	96	124874	6.359 ug/L	99
16) Methylene chloride	2.53	84	8970	0.329 ug/L	92
19) 1,1-Dichloroethane	3.22	63	245434	5.675 ug/L	98
22) cis-1,2-Dichloroethene	3.95	96	42729	1.700 ug/L #	98
25) Chloroform	4.42	83	32733	0.559 ug/L	98
27) 1,2-Dichloroethane	5.09	62	2860	0.110 ug/L	99
34) Trichloroethene	5.95	95	315563	11.855 ug/L	96
35) Methylcyclohexane	6.11	83	38307	0.943 ug/L #	18
37) 1,2-Dichloropropane	6.11	63	17873	0.750 ug/L #	87
38) Bromodichloromethane	6.55	83	2235	0.067 ug/L #	88
39) cis-1,3-Dichloropropene	7.03	75	4065	0.119 ug/L #	59
48) 2-Hexanone	8.18	43	13824	1.407 ug/L #	88

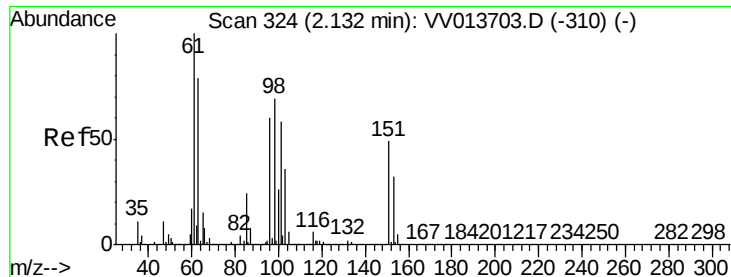
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.110 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV013711.D

Acq: 21 Nov 2019 14:19

Instrument :

MSVOA_V

ClientSampleId :

B0AB3

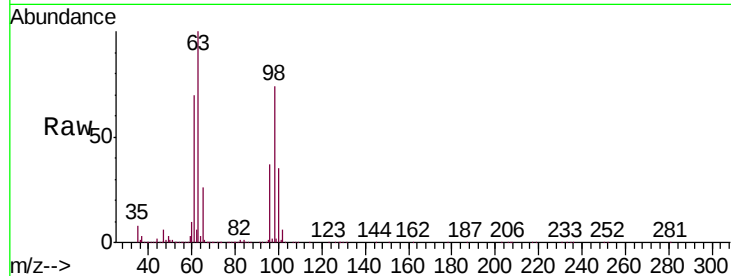
Tgt Ion: 101 Resp: 2227

Ion Ratio Lower Upper

101 100

85 14.6 32.0 48.0#

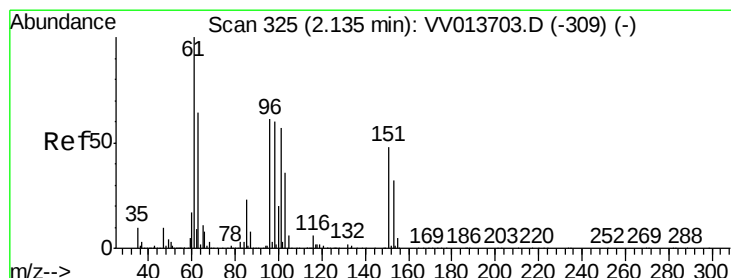
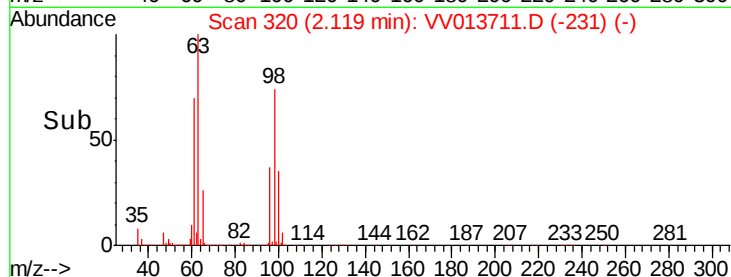
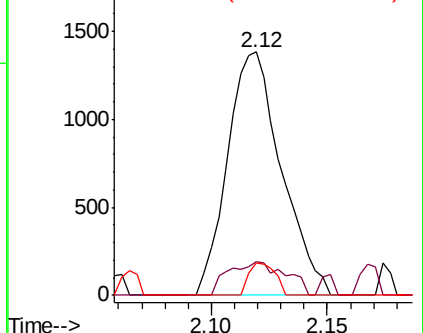
151 6.5 69.0 103.6#



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: 6.359 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV013711.D

Acq: 21 Nov 2019 14:19

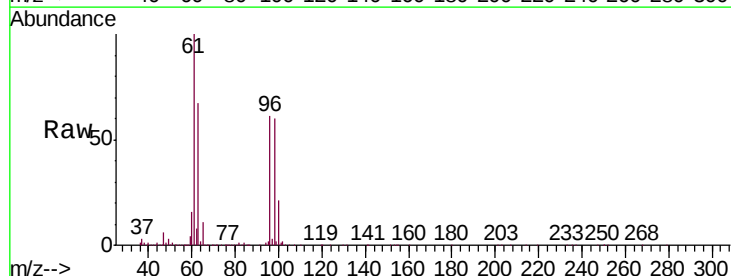
Tgt Ion: 96 Resp: 124874

Ion Ratio Lower Upper

96 100

61 163.1 112.5 208.9

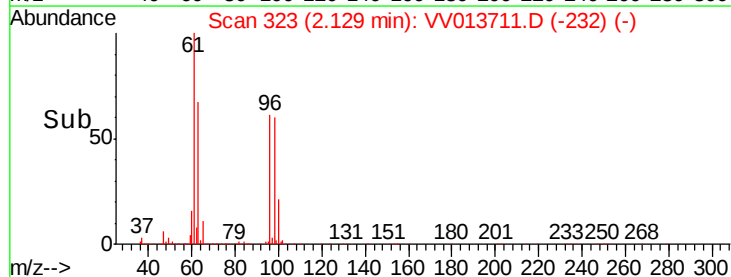
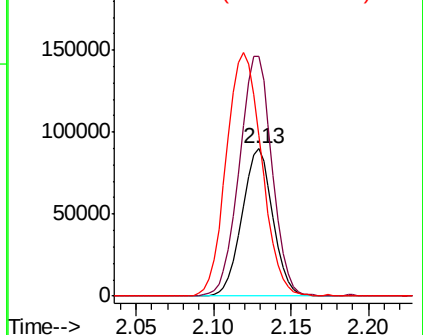
63 108.9 76.9 142.7

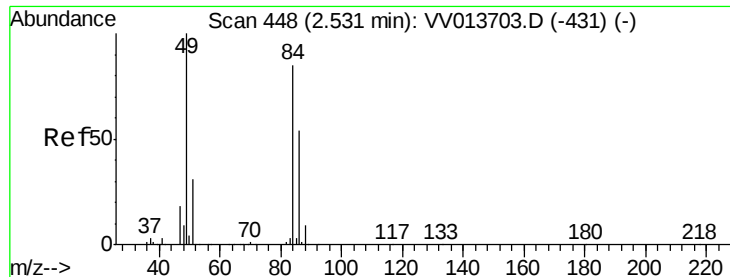


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0

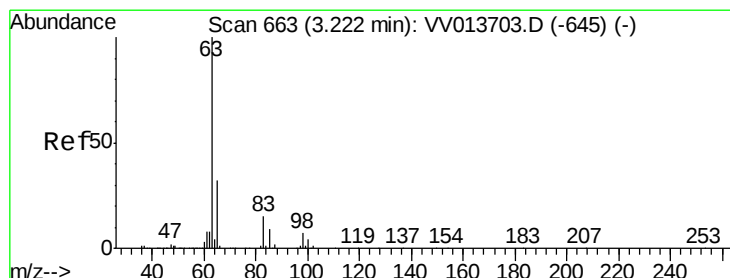
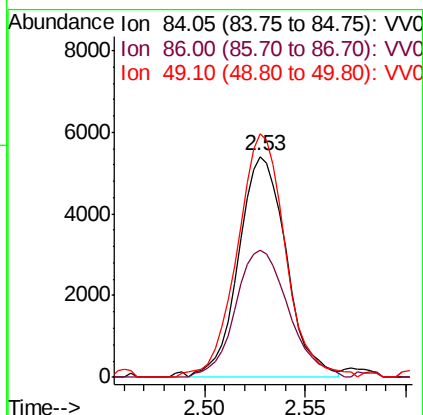
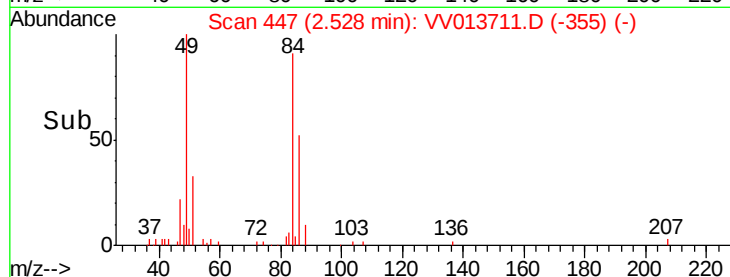
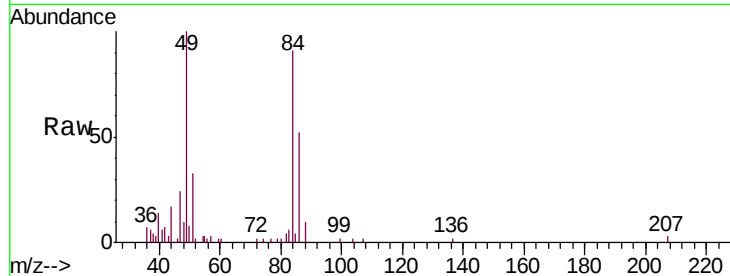




#16
Methylene chloride
Concen: 0.329 ug/L
RT: 2.53 min Scan# 447
Delta R.T. -0.00 min
Lab File: VV013711.D
Acq: 21 Nov 2019 14:19

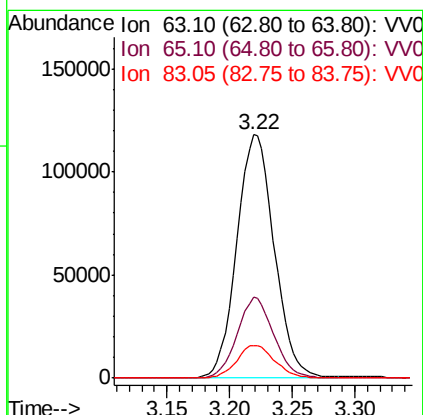
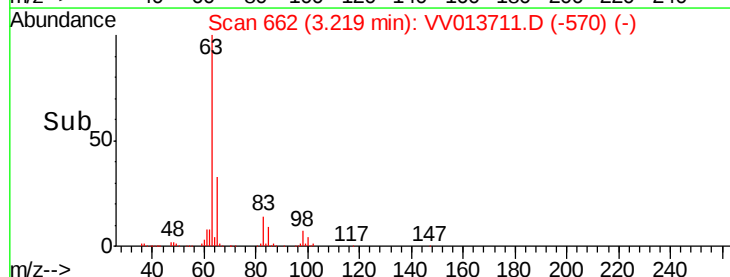
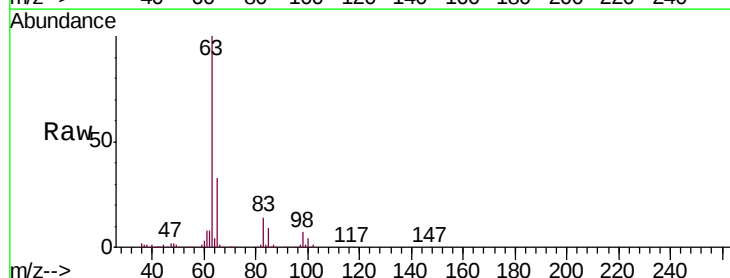
Instrument :
MSVOA_V
ClientSampleId :
B0AB3

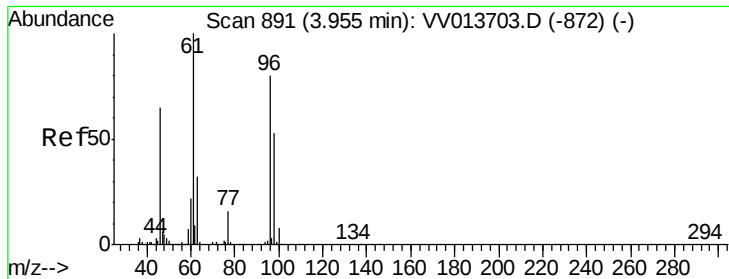
Tgt Ion: 84 Resp: 8970
Ion Ratio Lower Upper
84 100
86 57.4 44.1 81.9
49 110.1 83.4 155.0



#19
1,1-Dichloroethane
Concen: 5.675 ug/L
RT: 3.22 min Scan# 662
Delta R.T. -0.00 min
Lab File: VV013711.D
Acq: 21 Nov 2019 14:19

Tgt Ion: 63 Resp: 245434
Ion Ratio Lower Upper
63 100
65 33.2 22.5 41.7
83 13.6 9.7 17.9



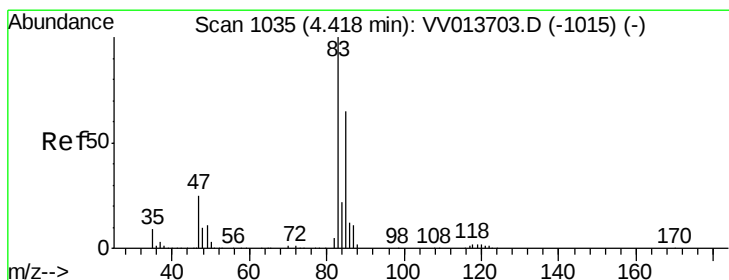
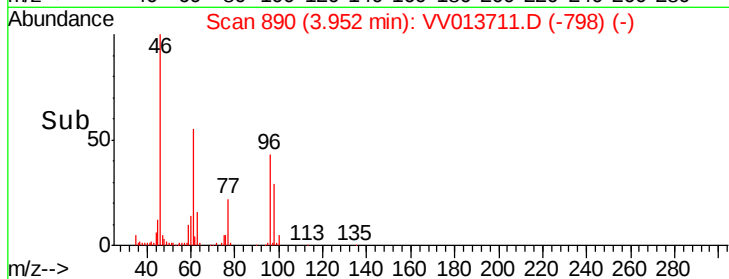
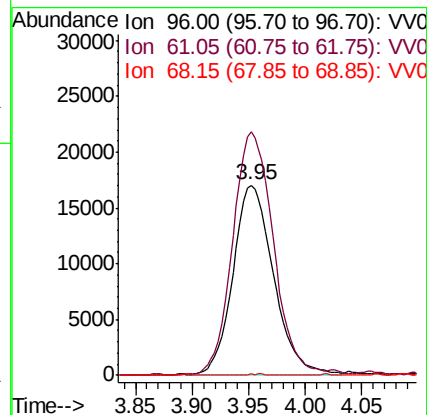
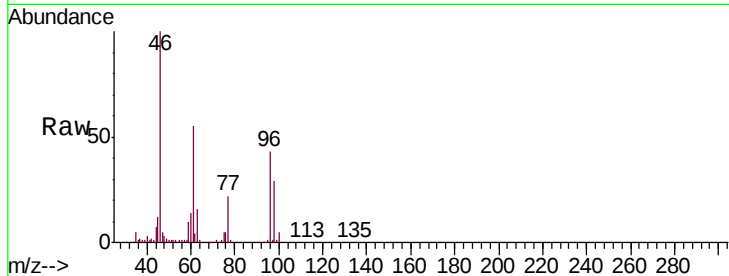


#22

cis-1,2-Dichloroethene
 Concen: 1.700 ug/L
 RT: 3.95 min Scan# 890
 Delta R.T. -0.00 min
 Lab File: VV013711.D
 Acq: 21 Nov 2019 14:19

Instrument :
 MSVOA_V
 ClientSampleId :
 B0AB3

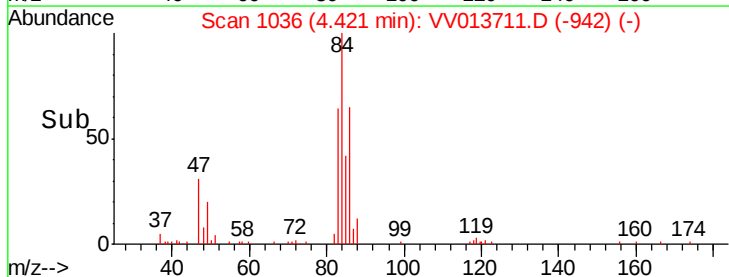
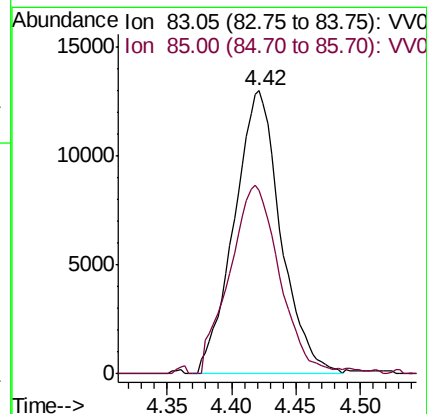
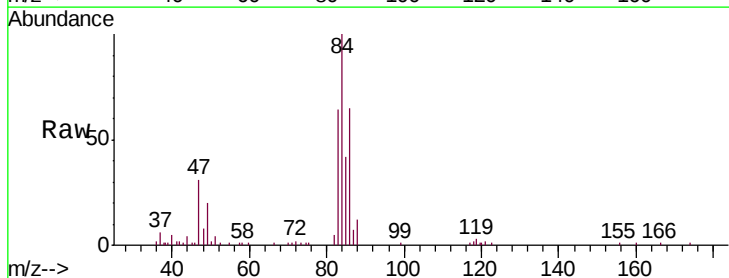
Tgt Ion: 96 Resp: 42729
 Ion Ratio Lower Upper
 96 100
 61 127.9 87.7 162.9
 68 0.6 0.1 0.3#

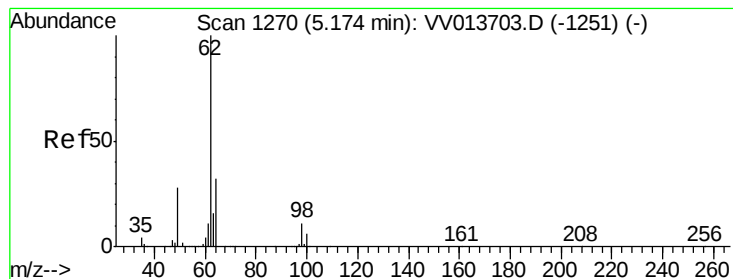


#25

Chloroform
 Concen: 0.559 ug/L
 RT: 4.42 min Scan# 1036
 Delta R.T. 0.00 min
 Lab File: VV013711.D
 Acq: 21 Nov 2019 14:19

Tgt Ion: 83 Resp: 32733
 Ion Ratio Lower Upper
 83 100
 85 64.8 44.4 82.5





#27

1,2-Dichloroethane

Concen: 0.110 ug/L

RT: 5.09 min Scan# 1244

Delta R.T. -0.08 min

Lab File: VV013711.D

Acq: 21 Nov 2019 14:19

Instrument :

MSVOA_V

ClientSampleId :

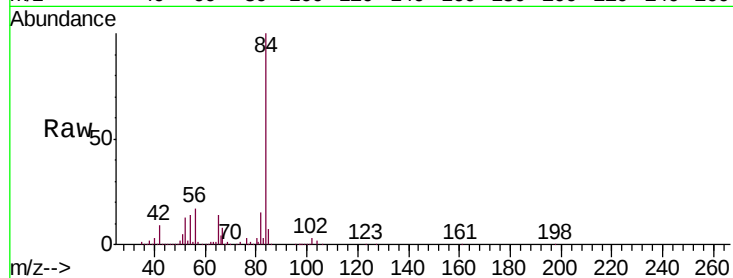
B0AB3

Tgt Ion: 62 Resp: 2860

Ion Ratio Lower Upper

62 100

98 10.0 8.2 12.2



Abundance Ion 62.00 (61.70 to 62.70): VV013703.D (-1251) (-)

Ion 98.05 (97.75 to 98.75): VV013703.D (-1251) (-)

5.09

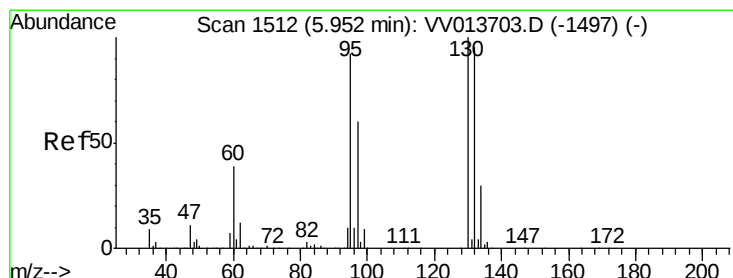
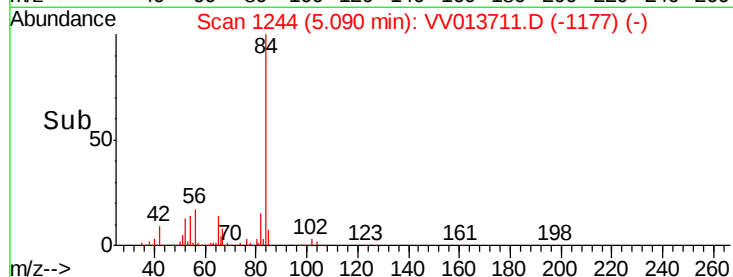
1500

1000

500

0

Time-->



#34

Trichloroethene

Concen: 11.855 ug/L

RT: 5.95 min Scan# 1512

Delta R.T. -0.00 min

Lab File: VV013711.D

Acq: 21 Nov 2019 14:19

Tgt Ion: 95 Resp: 315563

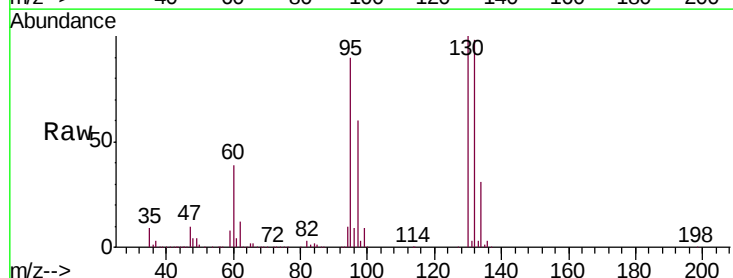
Ion Ratio Lower Upper

95 100

97 66.1 44.8 83.2

132 108.6 72.9 135.3

130 110.6 75.1 139.5



Abundance Ion 95.00 (94.70 to 95.70): VV013703.D (-1497) (-)

Ion 96.95 (96.65 to 97.65): VV013703.D (-1497) (-)

Ion 131.95 (131.65 to 132.65): VV013703.D (-1497) (-)

Ion 129.95 (129.65 to 130.65): VV013703.D (-1497) (-)

250000

200000

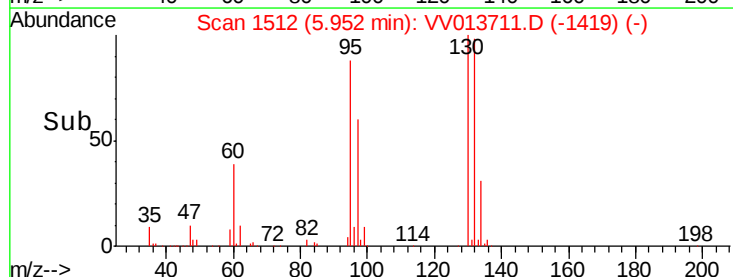
150000

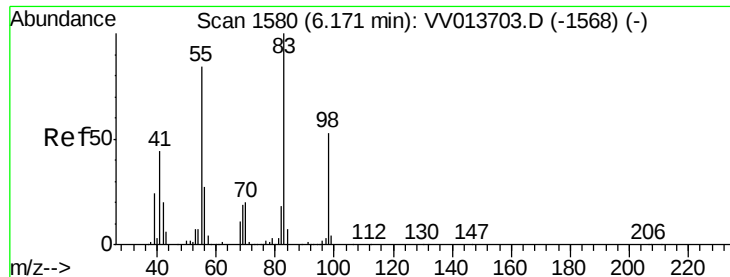
100000

50000

0

Time-->





#35

Methylcyclohexane

Concen: 0.943 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.06 min

Lab File: VV013711.D

Acq: 21 Nov 2019 14:19

Instrument :

MSVOA_V

ClientSampleId :

B0AB3

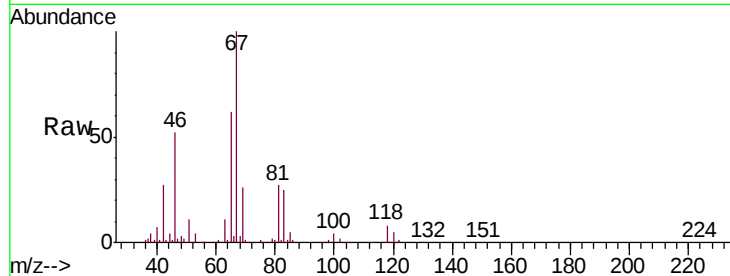
Tgt Ion: 83 Resp: 38307

Ion Ratio Lower Upper

83 100

55 1.0 64.1 96.1#

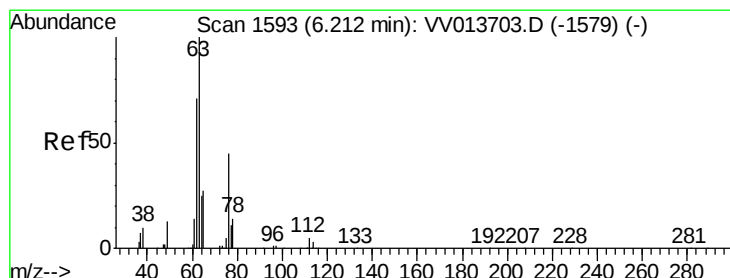
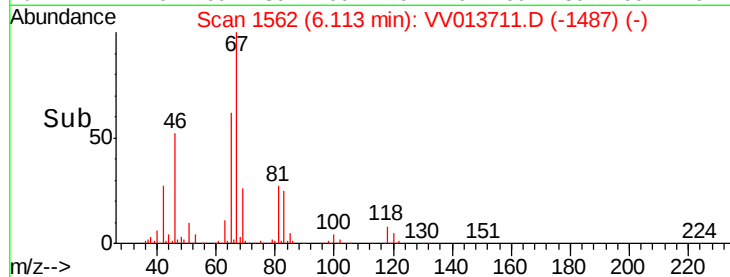
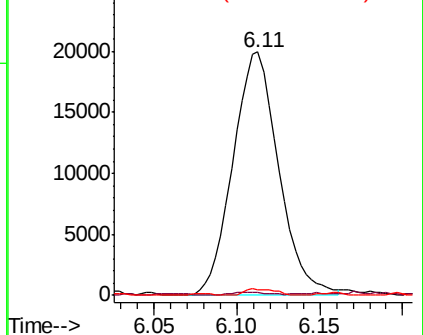
98 1.7 38.2 57.2#



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: 0.750 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.10 min

Lab File: VV013711.D

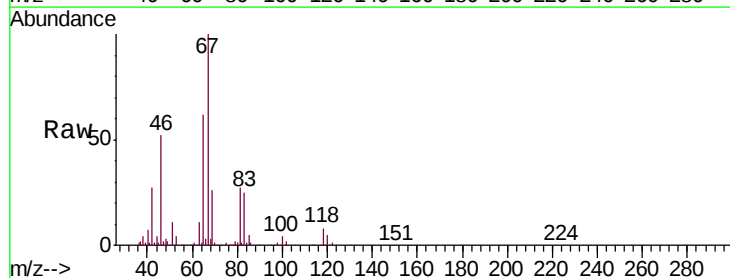
Acq: 21 Nov 2019 14:19

Tgt Ion: 63 Resp: 17873

Ion Ratio Lower Upper

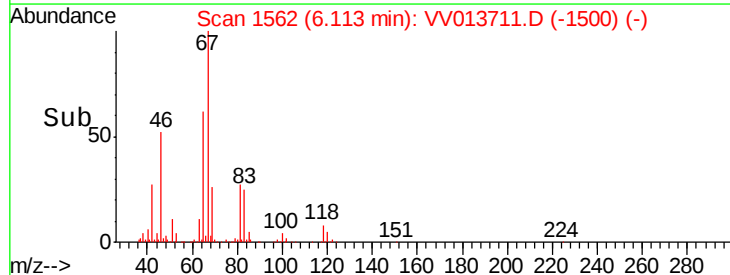
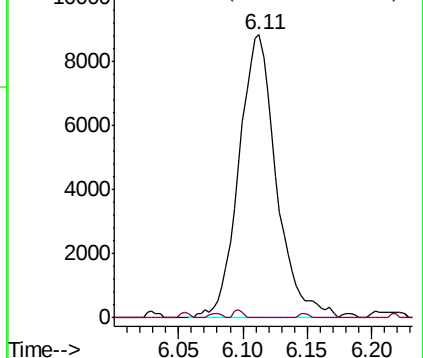
63 100

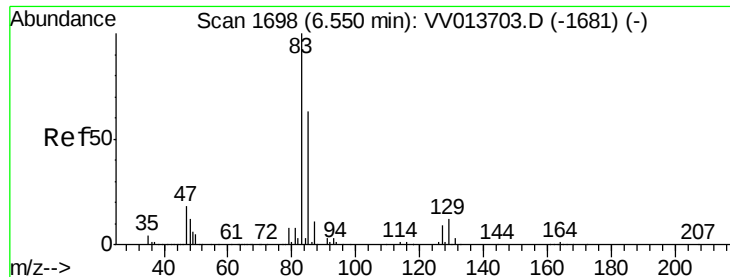
112 0.6 4.1 6.1#



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 112.10 (111.80 to 112.80): V

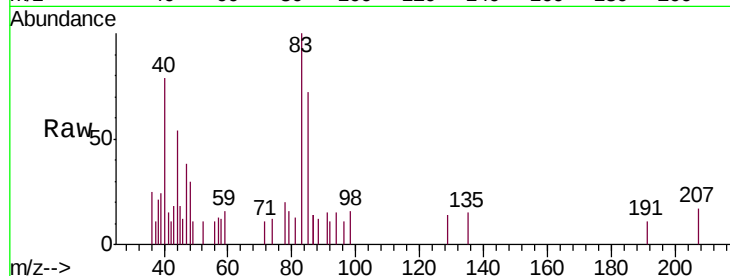




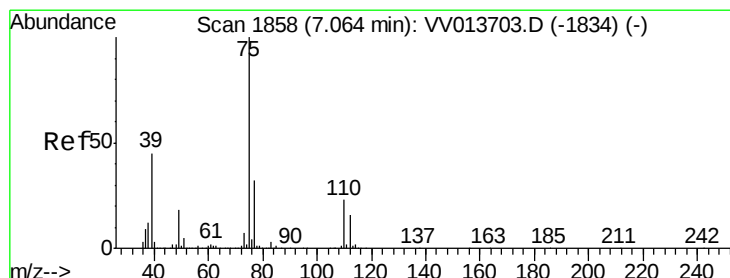
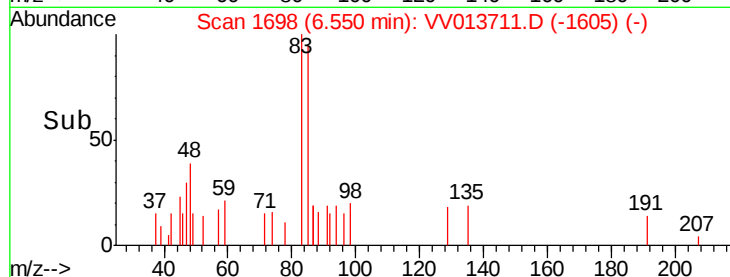
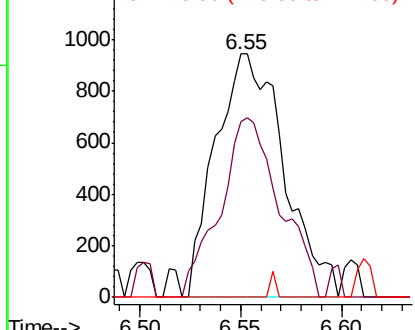
#38
 Bromodichloromethane
 Concen: 0.067 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VV013711.D
 Acq: 21 Nov 2019 14:19

Instrument :
 MSVOA_V
 ClientSampleId :
 B0AB3

Tgt Ion: 83 Resp: 2235
 Ion Ratio Lower Upper
 83 100
 85 72.4 44.9 83.5
 127 0.0 7.0 10.6#

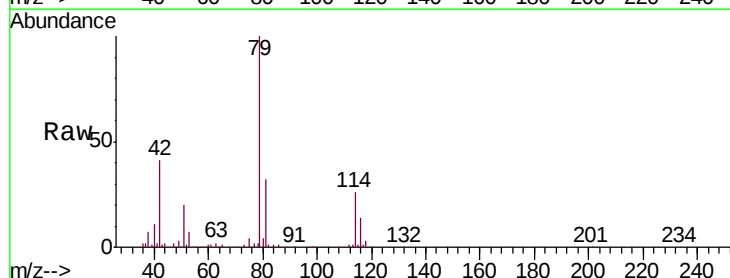


Abundance Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0
 Ion 126.90 (126.60 to 127.60): V

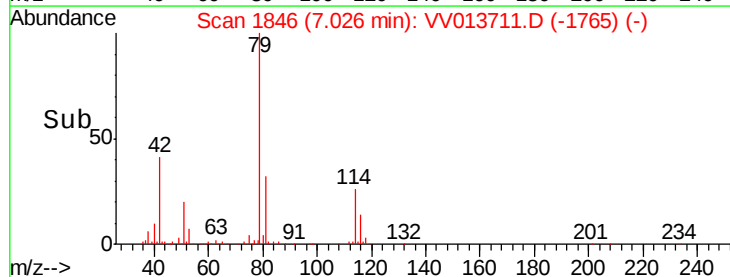
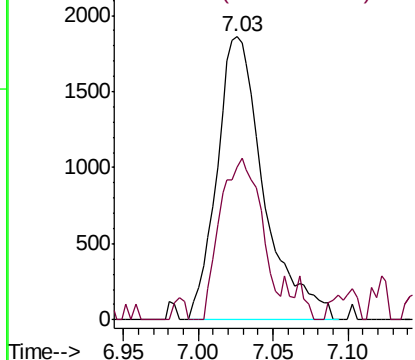


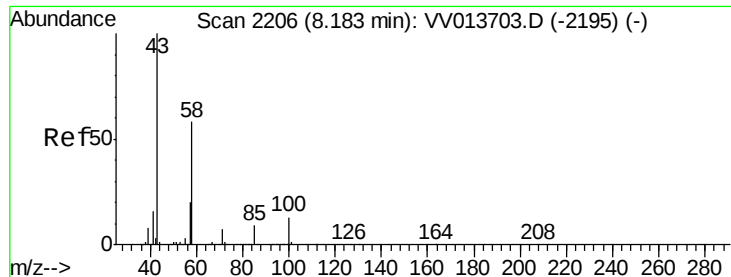
#39
 cis-1,3-Dichloropropene
 Concen: 0.119 ug/L
 RT: 7.03 min Scan# 1846
 Delta R.T. -0.04 min
 Lab File: VV013711.D
 Acq: 21 Nov 2019 14:19

Tgt Ion: 75 Resp: 4065
 Ion Ratio Lower Upper
 75 100
 77 53.8 22.0 40.8#



Abundance Ion 75.05 (74.75 to 75.75): VV0
 Ion 77.05 (76.75 to 77.75): VV0





#48

2-Hexanone

Concen: 1.407 ug/L

RT: 8.18 min Scan# 2206

Delta R.T. -0.00 min

Lab File: VV013711.D

Acq: 21 Nov 2019 14:19

Instrument :

MSVOA_V

ClientSampleId :

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Tgt Ion: 43 Resp: 13824

Ion Ratio Lower Upper

43 100

58 58.9 43.0 64.6

57 12.0 15.4 23.2#

100 2.9 10.1 15.1#

