

Data File : VV013766.D
Acq On : 25 Nov 2019 15:23
Operator : SY/MD
Sample : K5941-21DL 5X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
B0AD8DL

Quant Time: Nov 26 04:41:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 26 04:36:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	365318	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	350367	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	170898	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	98623	4.36	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.20%
7) Chloroethane-d5	1.58	69	92580	4.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.40%
11) 1,1-Dichloroethene-d2	2.13	63	239051	6.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	125.60%#
20) 2-Butanone-d5	3.95	46	279101	59.38	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.76%
24) Chloroform-d	4.40	84	221221	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
26) 1,2-Dichloroethane-d4	5.08	65	111931	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.20%
32) Benzene-d6	5.10	84	423083	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.60%
36) 1,2-Dichloropropane-d6	6.11	67	135805	5.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.80%
41) Toluene-d8	7.36	98	362623	4.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.60%
43) trans-1,3-Dichloropropene-	7.66	79	46317	4.42	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.40%
46) 2-Hexanone-d5	8.14	63	208748	53.97	ug/L	0.01
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.94%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	102693	5.50	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	159102	5.27	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.40%

Target Compounds

					Qvalue	
5) Vinyl chloride	1.32	62	61964	2.839	ug/L #	1
8) Chloroethane	1.60	64	23147	1.760	ug/L #	68
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	2053	0.102	ug/L #	27
12) 1,1-Dichloroethene	2.14	96	196735	11.201	ug/L #	73
14) Carbon disulfide	2.32	76	4087	0.101	ug/L #	94
16) Methylene chloride	2.54	84	3453	0.144	ug/L	96
18) trans-1,2-Dichloroethene	2.79	96	41556	2.095	ug/L	99
19) 1,1-Dichloroethane	3.23	63	75295	1.902	ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	13261	0.570	ug/L	98
25) Chloroform	4.43	83	12212	0.291	ug/L	93
27) 1,2-Dichloroethane	5.10	62	2976	0.124	ug/L	98
34) Trichloroethene	5.96	95	47446	2.001	ug/L	96
35) Methylcyclohexane	6.12	83	32798	1.037	ug/L #	19
44) trans-1,3-Dichloropropene	7.66	75	2313	0.094	ug/L	89
45) 1,1,2-Trichloroethane	7.88	97	2228	0.142	ug/L	89
48) 2-Hexanone	8.14	43	35708	3.882	ug/L #	70

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112519\
Quantitation Report (Not Reviewed)

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QLast Update : Tue Nov 26 04:36:55 2019
Response via : Initial Calibration

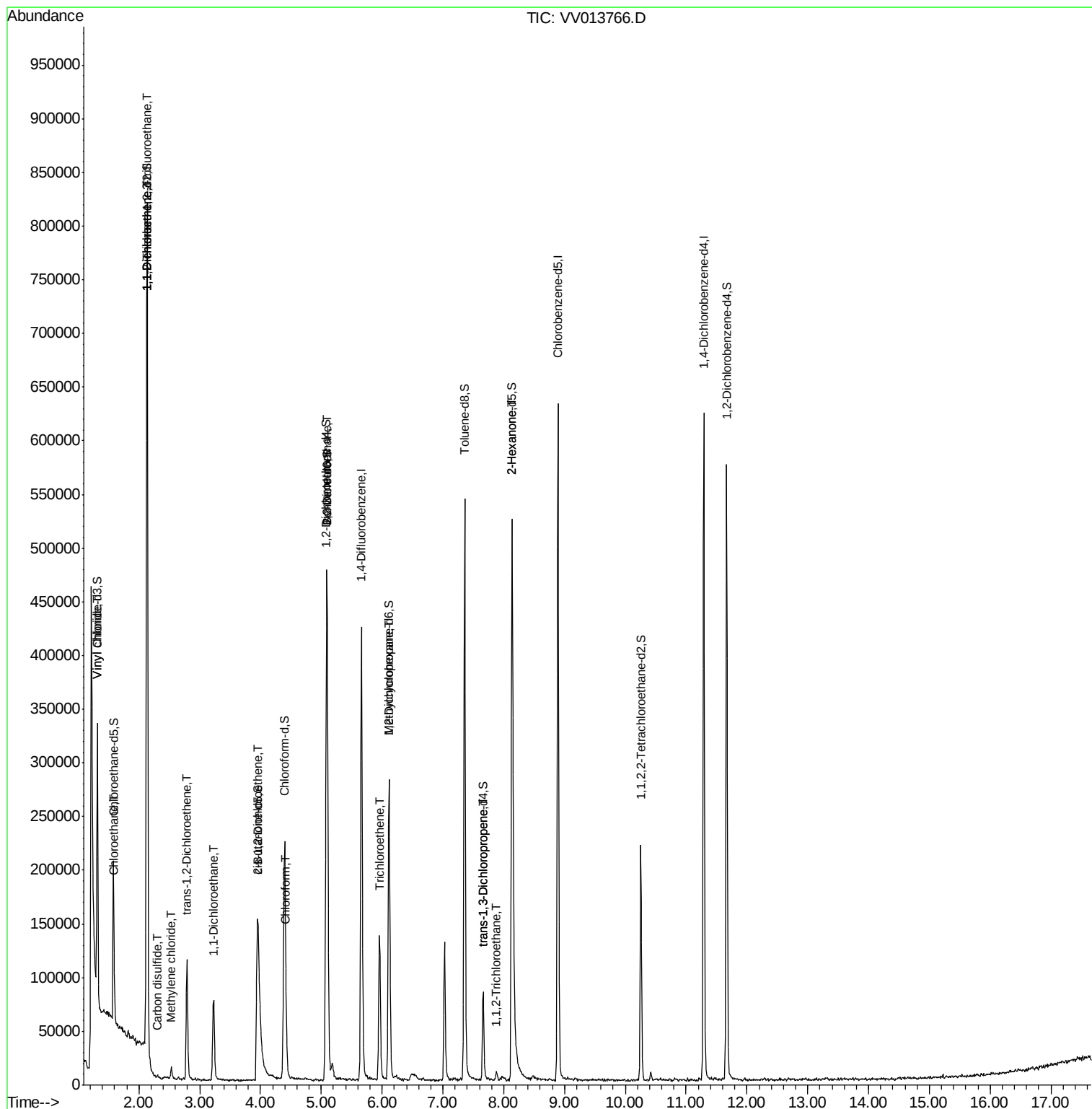
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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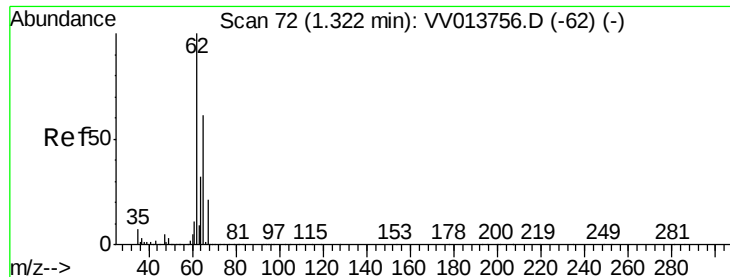
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 2.839 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV013766.D

Acq: 25 Nov 2019 15:23

Instrument :

MSVOA_V

ClientSampleId :

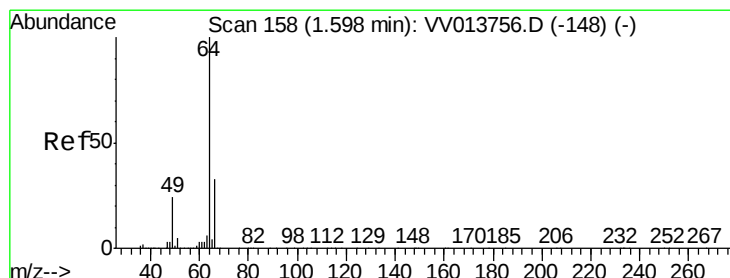
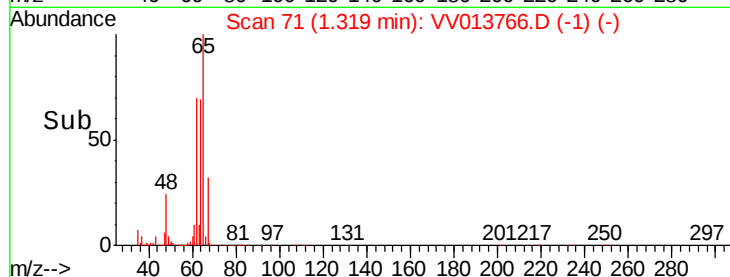
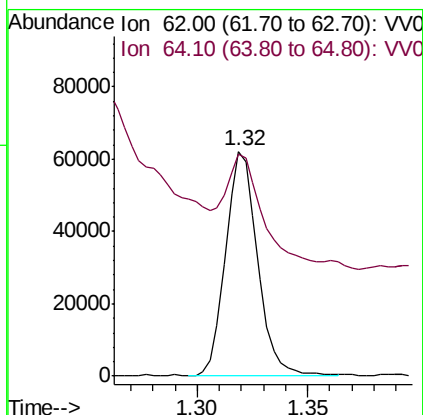
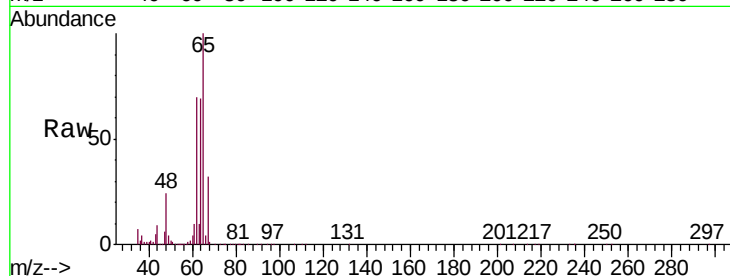
B0AD8DL

Tgt Ion: 62 Resp: 61964

Ion Ratio Lower Upper

62 100

64 98.4 23.3 43.3#



#8

Chloroethane

Concen: 1.760 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV013766.D

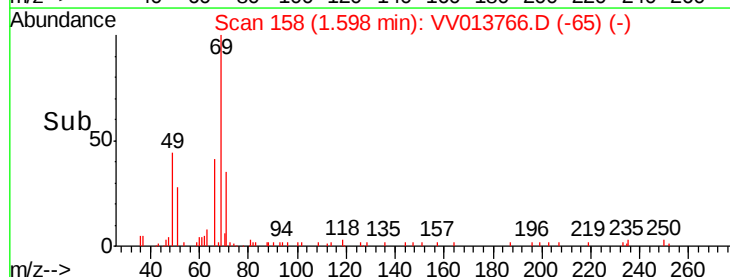
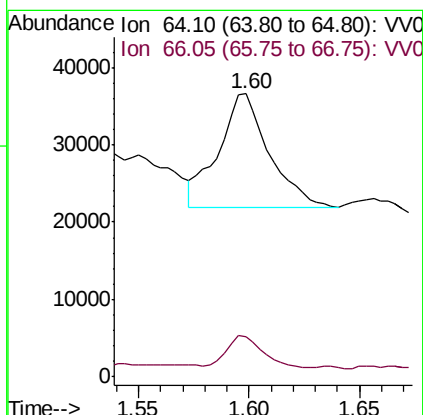
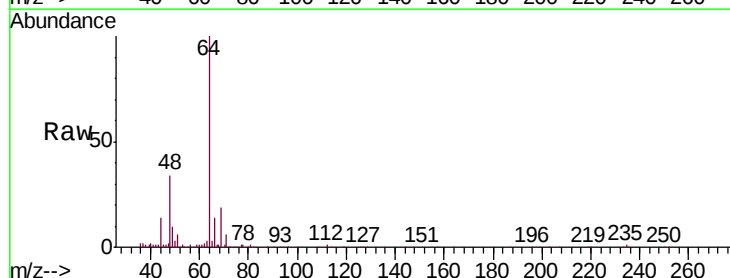
Acq: 25 Nov 2019 15:23

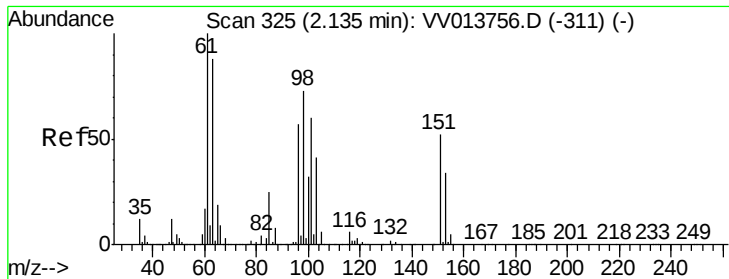
Tgt Ion: 64 Resp: 23147

Ion Ratio Lower Upper

64 100

66 14.3 22.6 42.0#





#10

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

Concen: 0.102 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV013766.D

Acq: 25 Nov 2019 15:23

Instrument :

MSVOA_V

ClientSampleId :

B0AD8DL

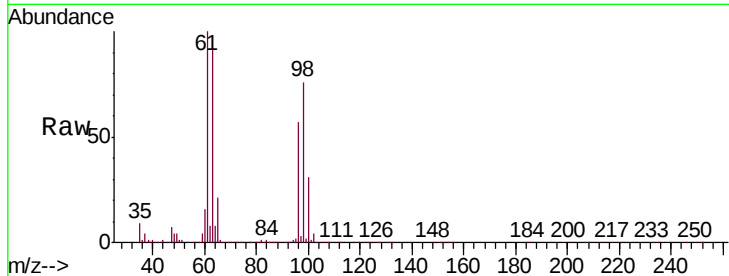
Tgt Ion:101 Resp: 2053

Ion Ratio Lower Upper

101 100

85 9.5 33.4 50.0#

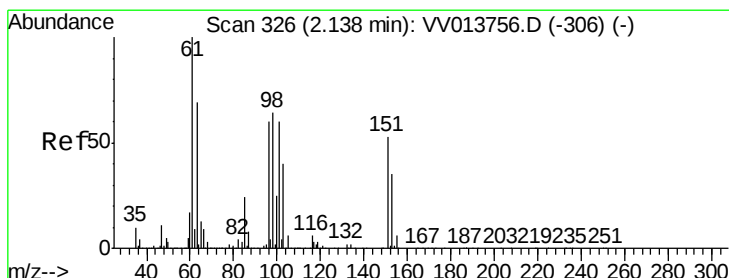
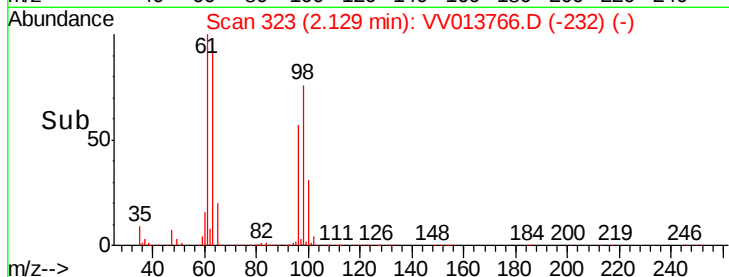
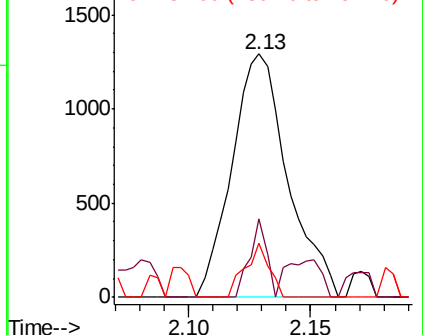
151 9.4 69.4 104.0#



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: 11.201 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV013766.D

Acq: 25 Nov 2019 15:23

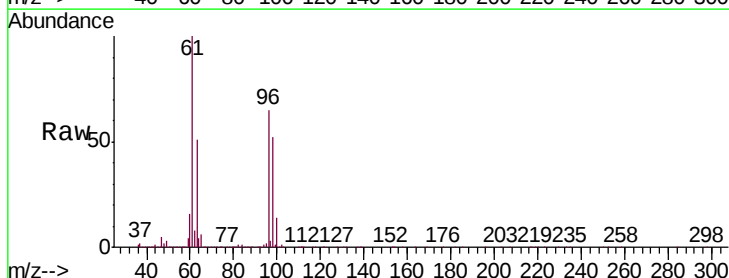
Tgt Ion: 96 Resp: 196735

Ion Ratio Lower Upper

96 100

61 155.0 116.3 215.9

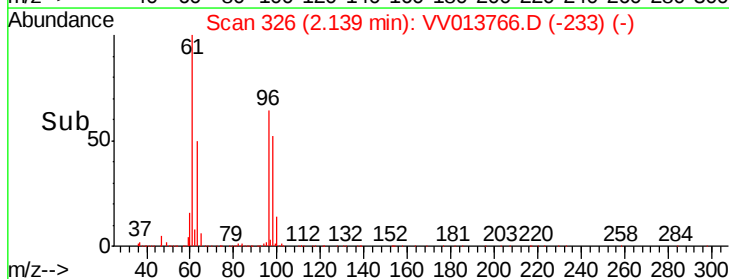
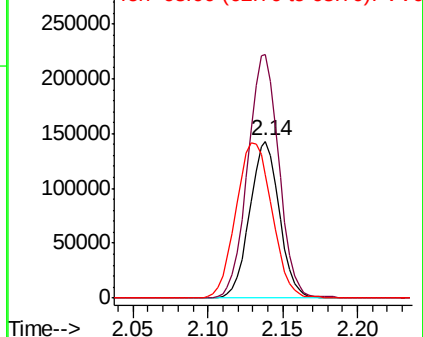
63 78.4 96.7 179.7#

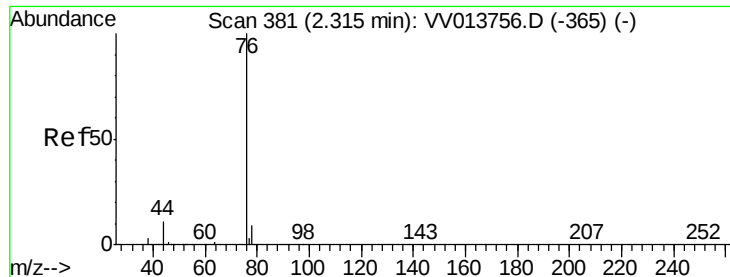


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#14

Carbon disulfide

Concen: 0.101 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV013766.D

Acq: 25 Nov 2019 15:23

Instrument :

MSVOA_V

ClientSampleId :

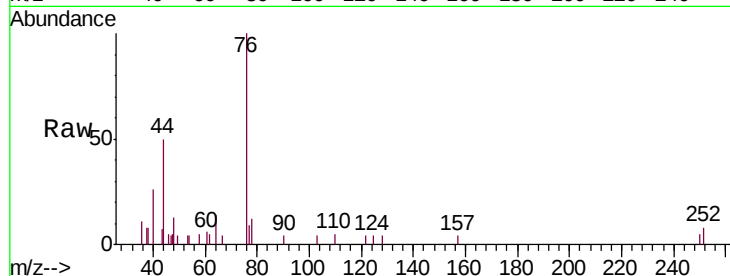
B0AD8DL

Tgt Ion: 76 Resp: 4087

Ion Ratio Lower Upper

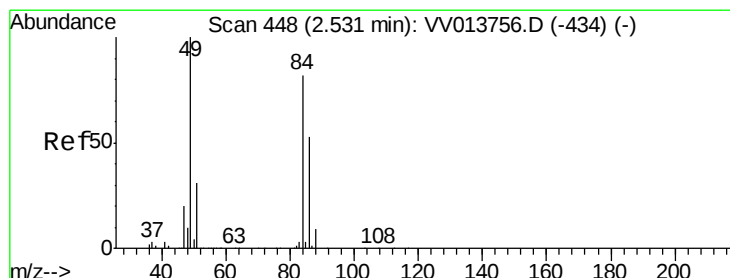
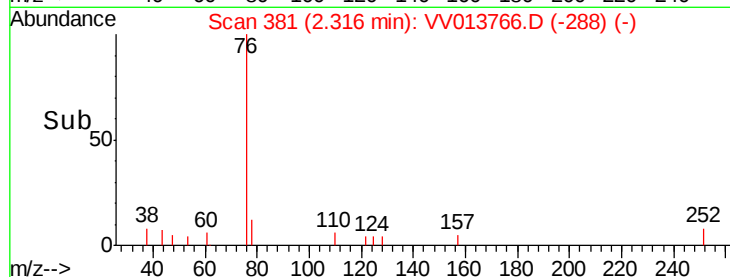
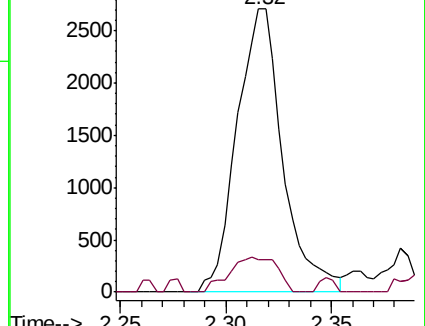
76 100

78 11.6 7.5 11.3#



Abundance Ion 76.05 (75.75 to 76.75): VV013756.D (-365) (-)

Ion 78.00 (77.70 to 78.70): VV013756.D (-365) (-)



#16

Methylene chloride

Concen: 0.144 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.01 min

Lab File: VV013766.D

Acq: 25 Nov 2019 15:23

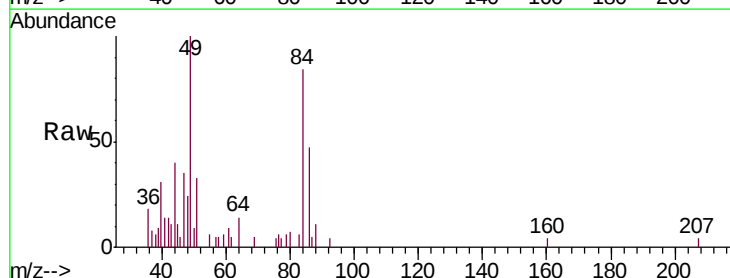
Tgt Ion: 84 Resp: 3453

Ion Ratio Lower Upper

84 100

86 56.2 44.0 81.6

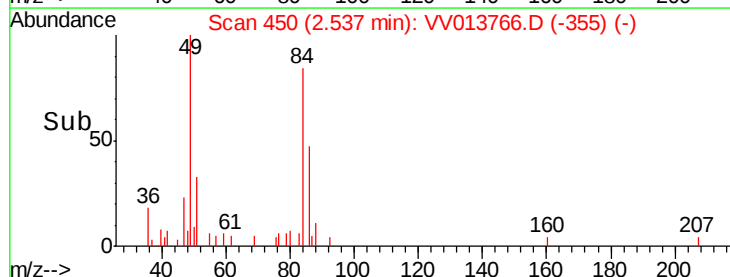
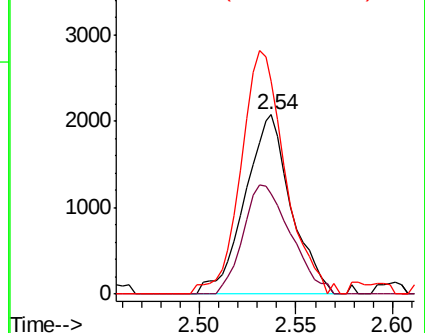
49 118.5 81.5 151.5

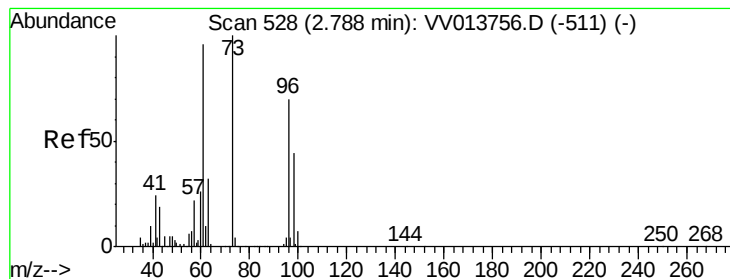


Abundance Ion 84.05 (83.75 to 84.75): VV013756.D (-434) (-)

Ion 86.00 (85.70 to 86.70): VV013756.D (-434) (-)

Ion 49.10 (48.80 to 49.80): VV013756.D (-434) (-)





#18

trans-1,2-Dichloroethene

Concen: 2.095 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV013766.D

Acq: 25 Nov 2019 15:23

Instrument :

MSVOA_V

ClientSampleId :

B0AD8DL

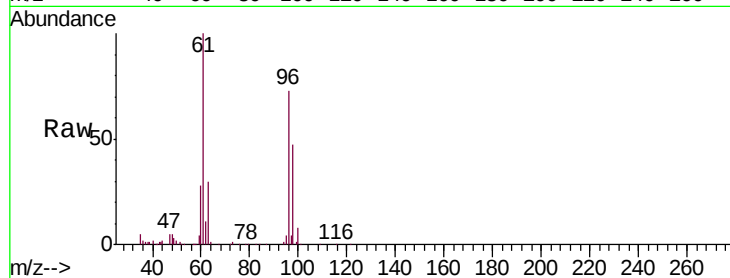
Tgt Ion: 96 Resp: 41556

Ion Ratio Lower Upper

96 100

61 136.3 95.1 176.7

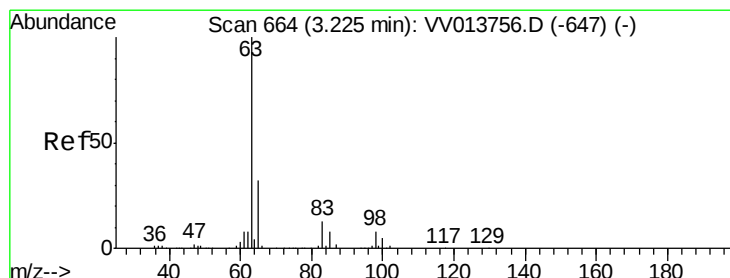
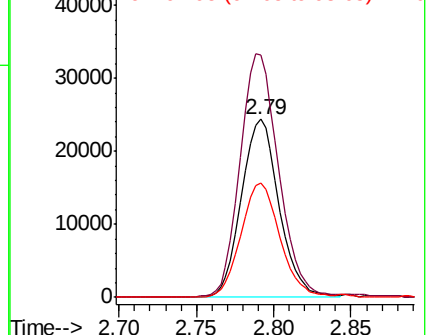
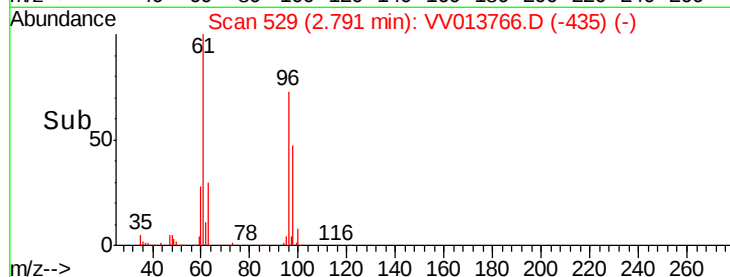
98 64.4 46.5 86.3



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: 1.902 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV013766.D

Acq: 25 Nov 2019 15:23

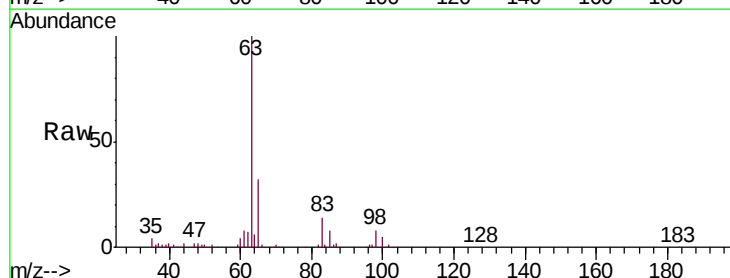
Tgt Ion: 63 Resp: 75295

Ion Ratio Lower Upper

63 100

65 32.2 22.7 42.1

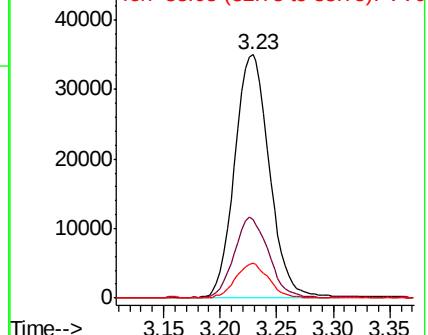
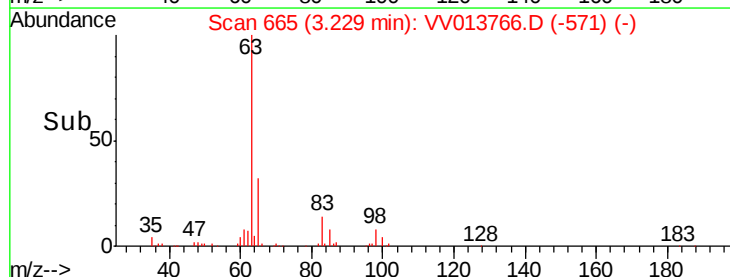
83 14.2 9.2 17.2

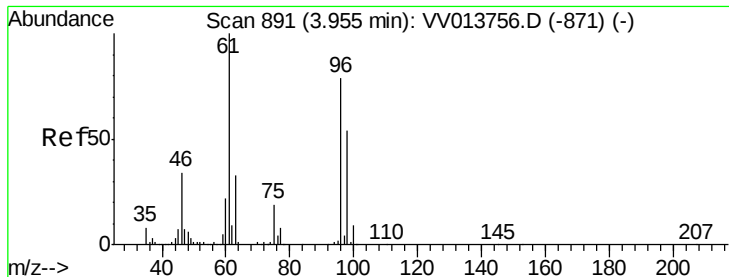


Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0





#22

cis-1,2-Dichloroethene

Concen: 0.570 ug/L

RT: 3.96 min Scan# 893

Delta R.T. 0.01 min

Lab File: VV013766.D

Acq: 25 Nov 2019 15:23

Instrument :

MSVOA_V

ClientSampleId :

B0AD8DL

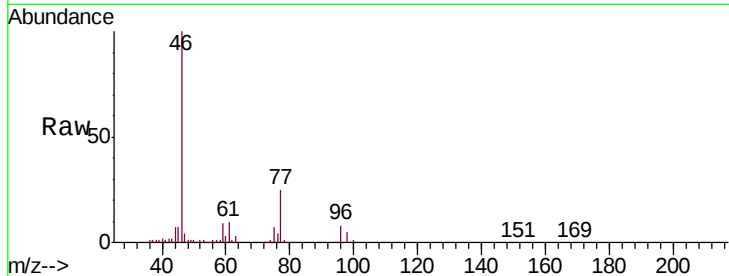
Tgt Ion: 96 Resp: 13261

Ion Ratio Lower Upper

96 100

61 125.7 86.1 159.9

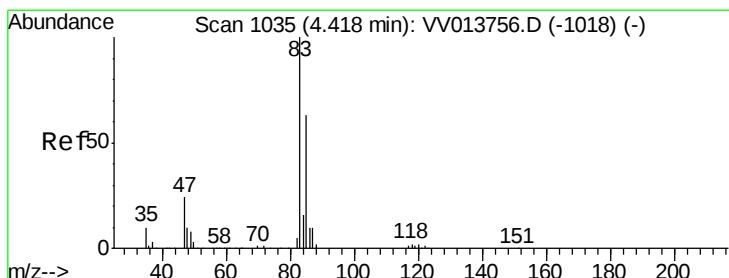
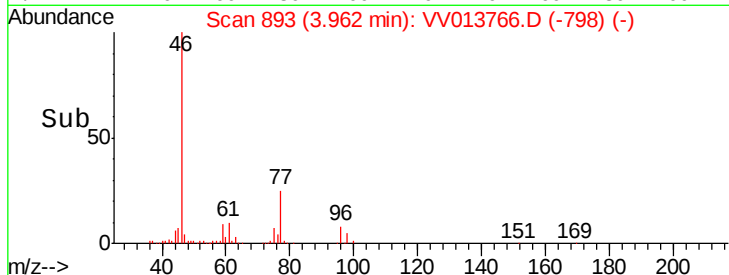
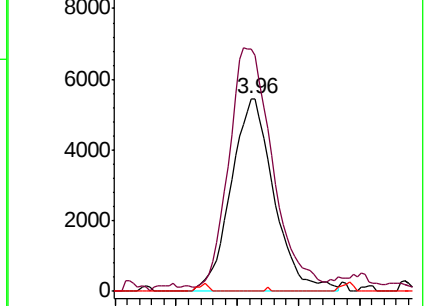
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV013756.D (-871) (-)

Ion 61.05 (60.75 to 61.75): VV013756.D (-871) (-)

Ion 68.15 (67.85 to 68.85): VV013756.D (-871) (-)



#25

Chloroform

Concen: 0.291 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. 0.01 min

Lab File: VV013766.D

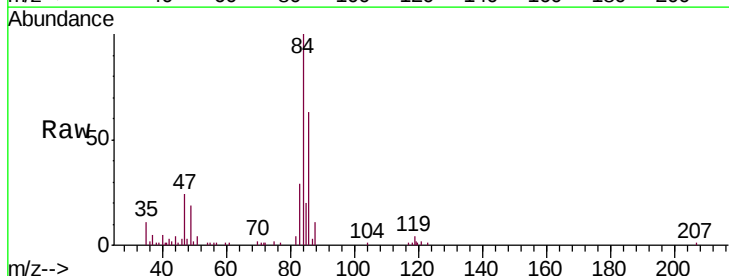
Acq: 25 Nov 2019 15:23

Tgt Ion: 83 Resp: 12212

Ion Ratio Lower Upper

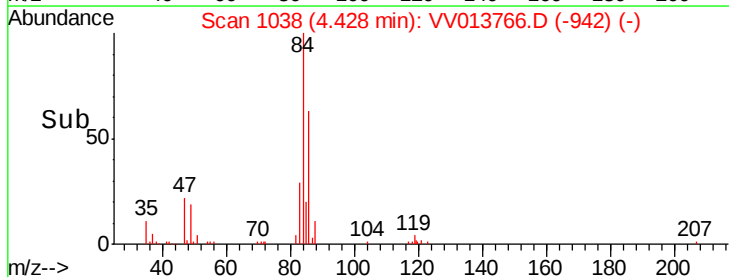
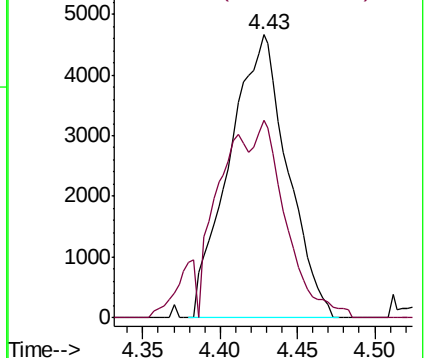
83 100

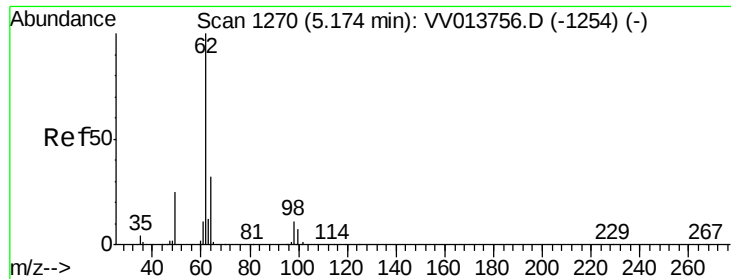
85 69.6 45.1 83.7



Abundance Ion 83.05 (82.75 to 83.75): VV013756.D (-1018) (-)

Ion 85.00 (84.70 to 85.70): VV013756.D (-1018) (-)





#27

1,2-Dichloroethane

Concen: 0.124 ug/L

RT: 5.10 min Scan# 1247

Delta R.T. -0.07 min

Lab File: VV013766.D

Acq: 25 Nov 2019 15:23

Instrument :

MSVOA_V

ClientSampleId :

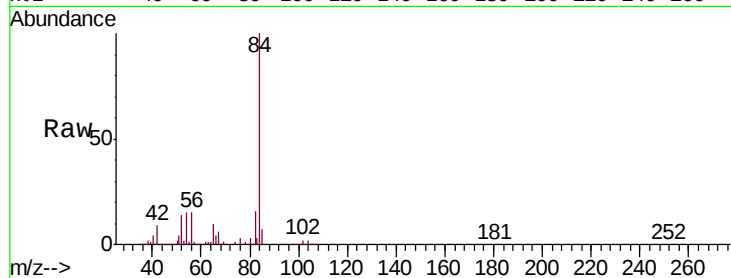
B0AD8DL

Tgt Ion: 62 Resp: 2976

Ion Ratio Lower Upper

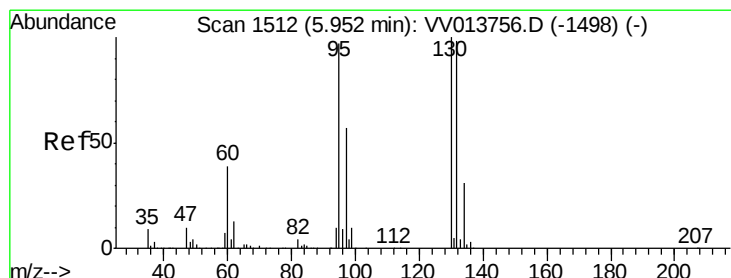
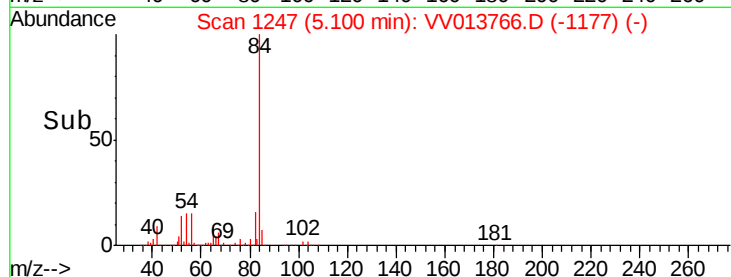
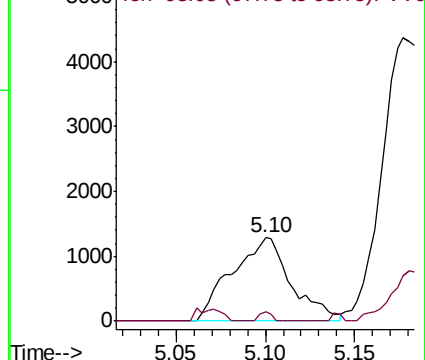
62 100

98 10.8 8.2 12.2



Abundance Ion 62.00 (61.70 to 62.70): VV013756.D (-1254) (-)

Ion 98.05 (97.75 to 98.75): VV013756.D (-1254) (-)



#34

Trichloroethene

Concen: 2.001 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.01 min

Lab File: VV013766.D

Acq: 25 Nov 2019 15:23

Tgt Ion: 95 Resp: 47446

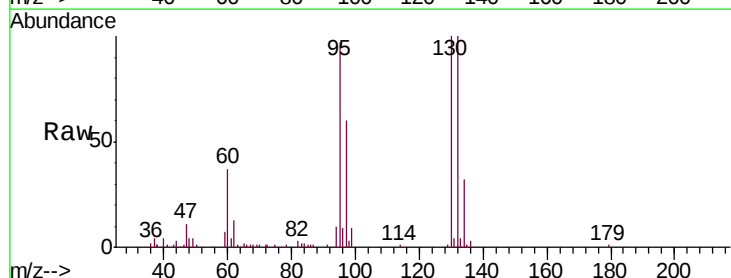
Ion Ratio Lower Upper

95 100

97 62.2 45.6 84.8

132 103.3 70.5 130.9

130 103.3 75.9 140.9

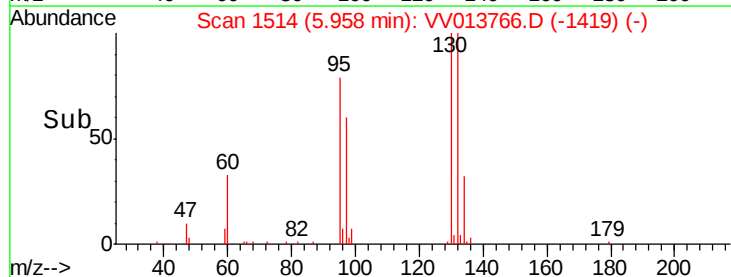
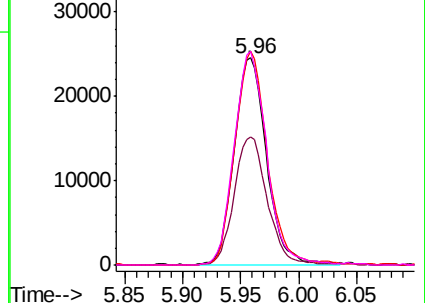


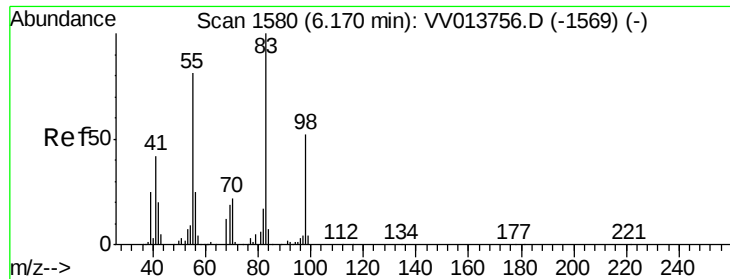
Abundance Ion 95.00 (94.70 to 95.70): VV013756.D (-1498) (-)

Ion 96.95 (96.65 to 97.65): VV013756.D (-1498) (-)

Ion 131.95 (131.65 to 132.65): VV013756.D (-1498) (-)

Ion 129.95 (129.65 to 130.65): VV013756.D (-1498) (-)

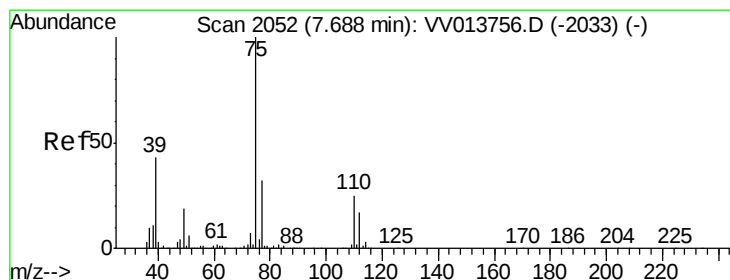
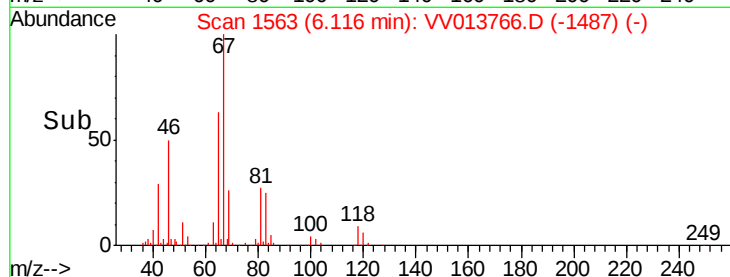
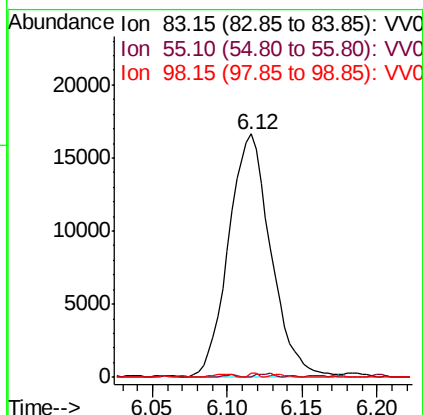
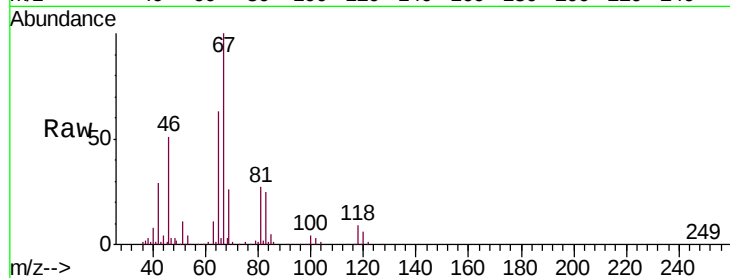




#35
Methylcyclohexane
Concen: 1.037 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.05 min
Lab File: VV013766.D
Acq: 25 Nov 2019 15:23

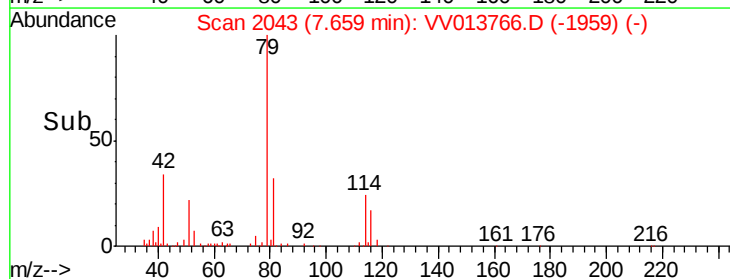
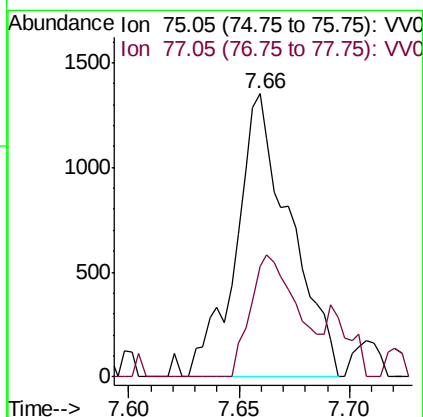
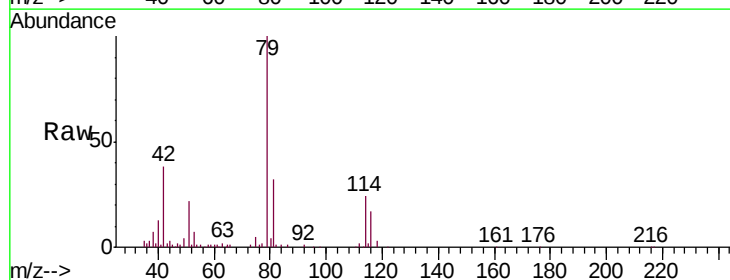
Instrument :
MSVOA_V
ClientSampleId :
B0AD8DL

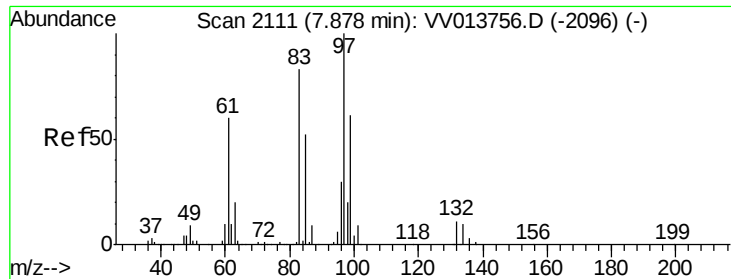
Tgt Ion: 83 Resp: 32798
Ion Ratio Lower Upper
83 100
55 0.0 60.3 90.5#
98 0.3 38.1 57.1#



#44
trans-1,3-Dichloropropene
Concen: 0.094 ug/L
RT: 7.66 min Scan# 2043
Delta R.T. -0.03 min
Lab File: VV013766.D
Acq: 25 Nov 2019 15:23

Tgt Ion: 75 Resp: 2313
Ion Ratio Lower Upper
75 100
77 38.8 23.0 42.8

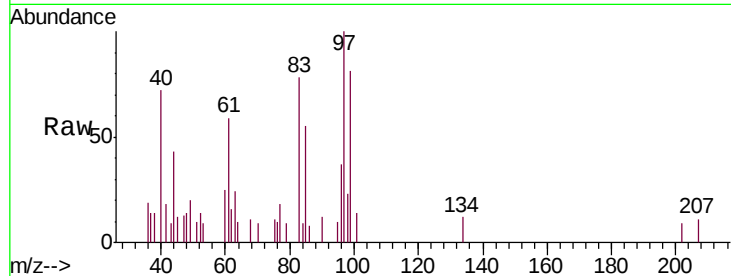




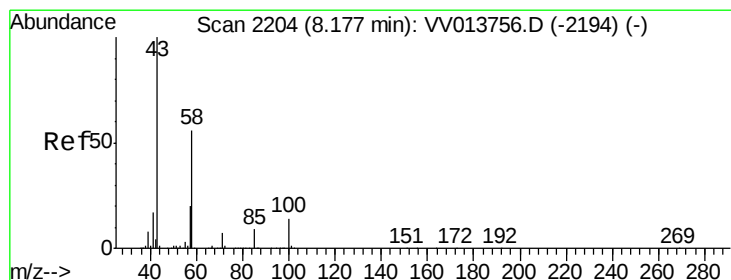
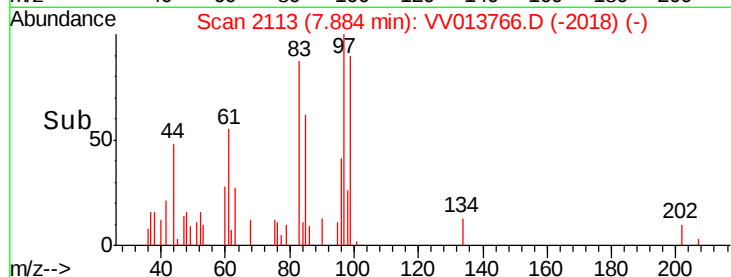
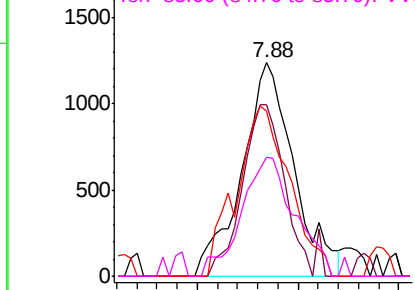
#45
 1,1,2-Trichloroethane
 Concen: 0.142 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.01 min
 Lab File: VV013766.D
 Acq: 25 Nov 2019 15:23

Instrument :
 MSVOA_V
 ClientSampleId :
 B0AD8DL

Tgt Ion:	97	Resp:	2228
Ion	Ratio	Lower	Upper
97	100		
99	80.5	44.2	82.0
83	77.5	59.7	110.9
85	55.5	38.3	71.1

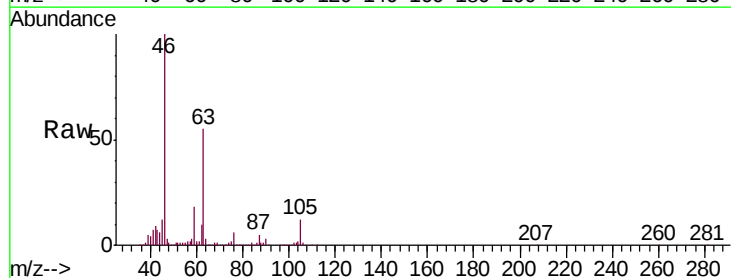


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0



#48
 2-Hexanone
 Concen: 3.882 ug/L
 RT: 8.14 min Scan# 2192
 Delta R.T. -0.04 min
 Lab File: VV013766.D
 Acq: 25 Nov 2019 15:23

Tgt Ion:	43	Resp:	35708
Ion	Ratio	Lower	Upper
43	100		
58	31.4	43.2	64.8#
57	31.4	15.4	23.2#
100	2.5	10.4	15.6#



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

