

Data File : VV013768.D
Acq On : 25 Nov 2019 16:10
Operator : SY/MD
Sample : K6003-01
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
B0AE1

Quant Time: Nov 26 04:41:51 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	351247	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	346791	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	165491	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	95801	4.41	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.20%
7) Chloroethane-d5	1.58	69	91840	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.40%
11) 1,1-Dichloroethene-d2	2.13	63	155795	4.26	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.20%
20) 2-Butanone-d5	3.92	46	265857	58.83	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.66%
24) Chloroform-d	4.40	84	203225	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.80%
26) 1,2-Dichloroethane-d4	5.08	65	111953	5.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.40%
32) Benzene-d6	5.10	84	414496	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.60%
36) 1,2-Dichloropropane-d6	6.11	67	132429	4.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.40%
41) Toluene-d8	7.36	98	351361	4.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.80%
43) trans-1,3-Dichloropropene-	7.66	79	46614	4.49	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.80%
46) 2-Hexanone-d5	8.13	63	192949	50.40	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.80%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	104586	5.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	113.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	156791	5.37	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.40%

Target Compounds

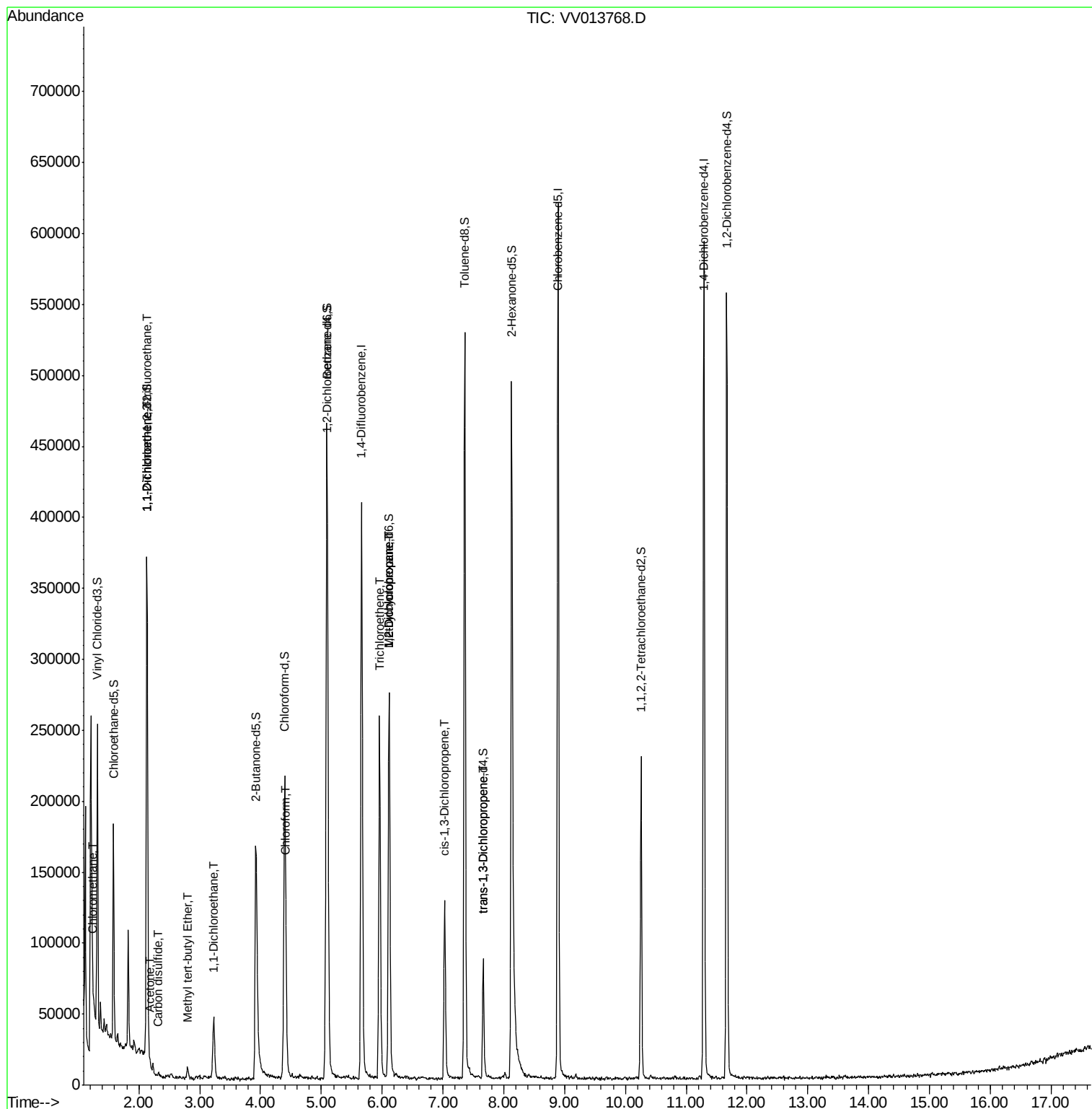
					Qvalue	
3) Chloromethane	1.25	50	1542	0.075	ug/L #	70
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1675	0.087	ug/L #	19
12) 1,1-Dichloroethene	2.14	96	42338	2.507	ug/L #	78
13) Acetone	2.19	43	3813	1.206	ug/L #	35
14) Carbon disulfide	2.32	76	3214	0.082	ug/L #	89
17) Methyl tert-butyl Ether	2.80	73	5595	0.121	ug/L #	77
19) 1,1-Dichloroethane	3.23	63	44683	1.174	ug/L	98
25) Chloroform	4.42	83	13138	0.326	ug/L	97
34) Trichloroethene	5.96	95	87042	3.709	ug/L	97
35) Methylcyclohexane	6.12	83	32679	1.044	ug/L #	19
37) 1,2-Dichloropropane	6.11	63	14998	0.686	ug/L #	89
39) cis-1,3-Dichloropropene	7.03	75	3462	0.112	ug/L #	67
44) trans-1,3-Dichloropropene	7.66	75	2340	0.096	ug/L #	82

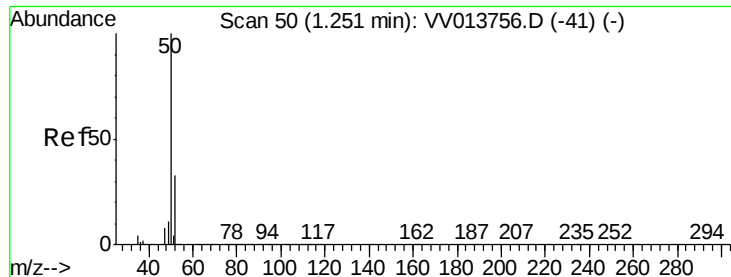
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.075 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV013768.D

Acq: 25 Nov 2019 16:10

Instrument :

MSVOA_V

ClientSampleId :

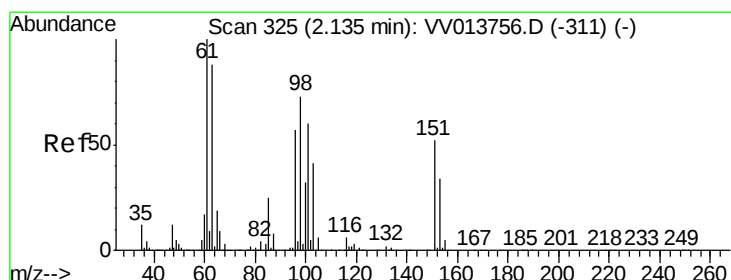
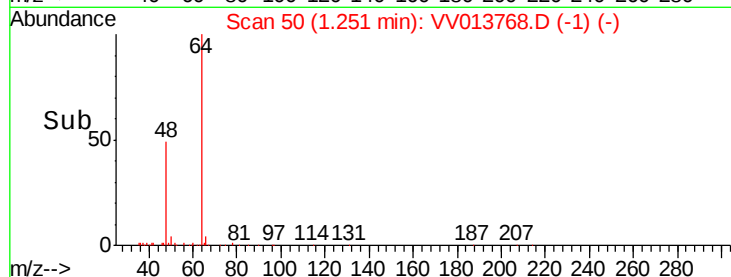
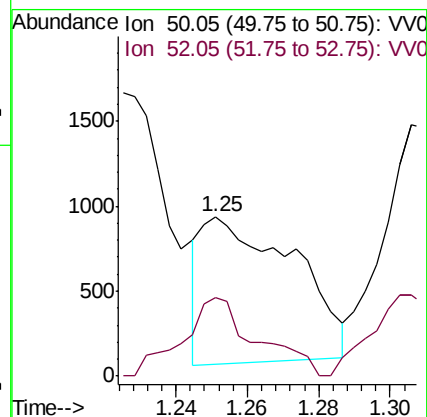
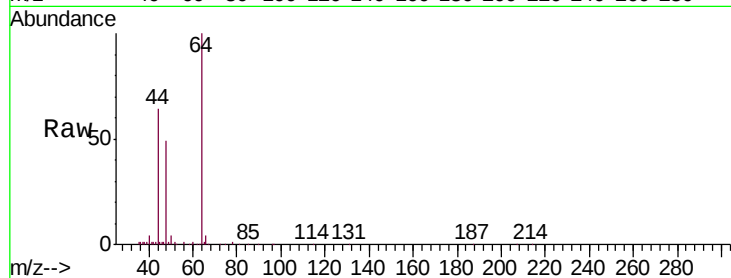
B0AE1

Tgt Ion: 50 Resp: 1542

Ion Ratio Lower Upper

50 100

52 48.9 22.5 41.7#



#10

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

Concen: 0.087 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV013768.D

Acq: 25 Nov 2019 16:10

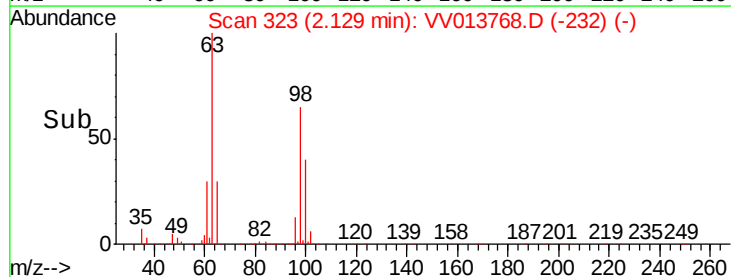
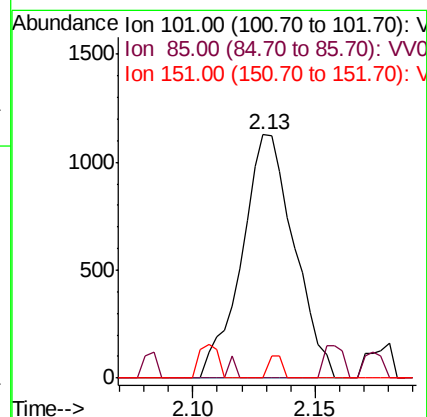
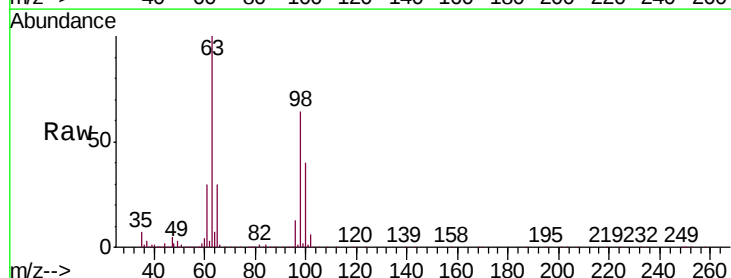
Tgt Ion: 101 Resp: 1675

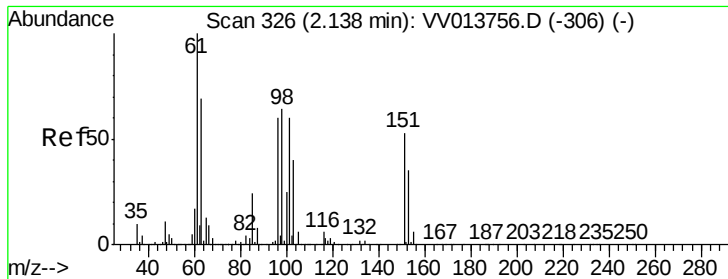
Ion Ratio Lower Upper

101 100

85 4.9 33.4 50.0#

151 2.4 69.4 104.0#





#12

1,1-Dichloroethene

Concen: 2.507 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV013768.D

Acq: 25 Nov 2019 16:10

Instrument :

MSVOA_V

ClientSampleId :

B0AE1

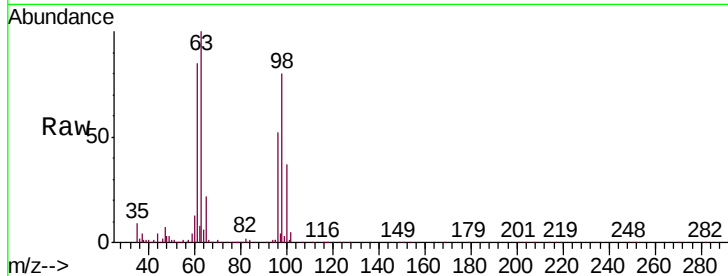
Tgt Ion: 96 Resp: 42338

Ion Ratio Lower Upper

96 100

61 163.6 116.3 215.9

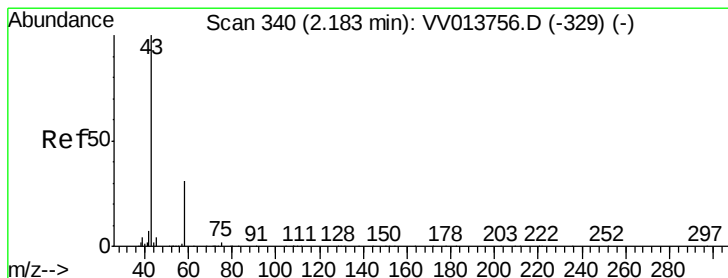
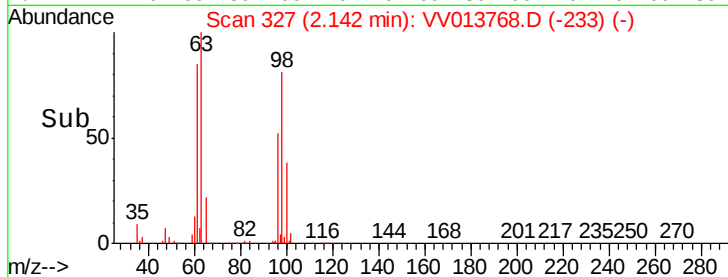
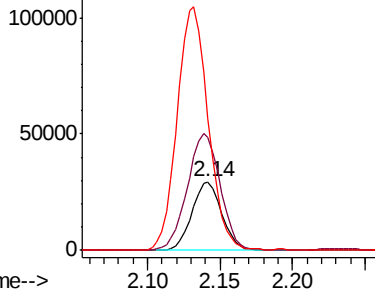
63 192.9 96.7 179.7#



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



#13

Acetone

Concen: 1.206 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV013768.D

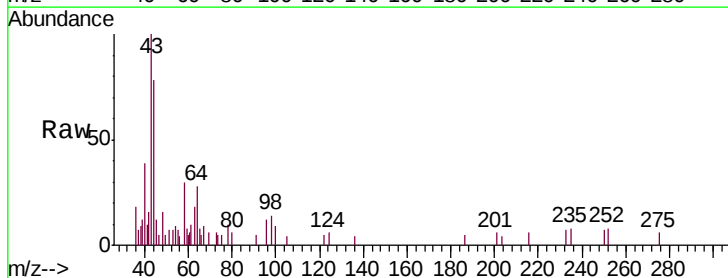
Acq: 25 Nov 2019 16:10

Tgt Ion: 43 Resp: 3813

Ion Ratio Lower Upper

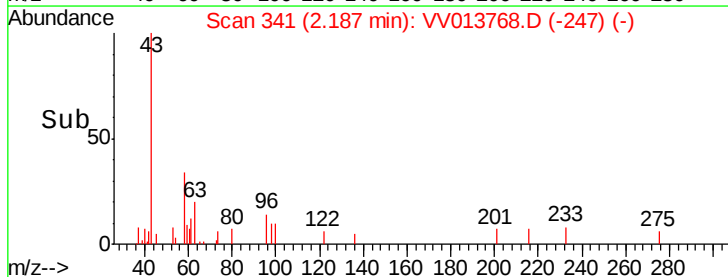
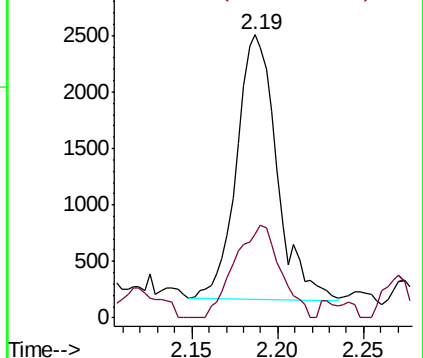
43 100

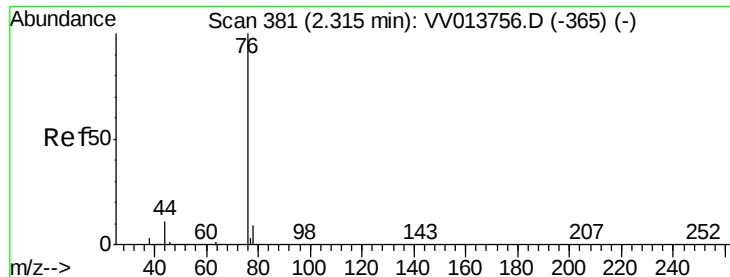
58 39.9 0.0 27.2#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0





#14

Carbon disulfide

Concen: 0.082 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV013768.D

Acq: 25 Nov 2019 16:10

Instrument :

MSVOA_V

ClientSampleId :

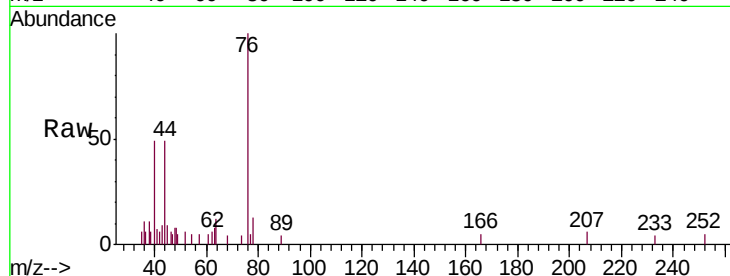
B0AE1

Tgt Ion: 76 Resp: 3214

Ion Ratio Lower Upper

76 100

78 13.4 7.5 11.3#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

2500

2000

1500

1000

500

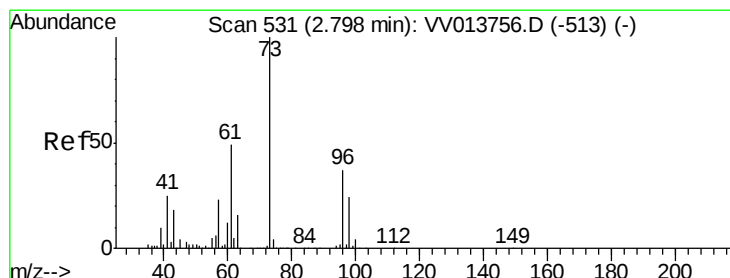
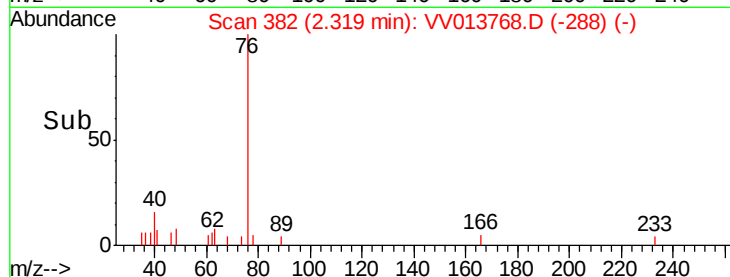
0

2.30

2.32

2.35

Time-->



#17

Methyl tert-butyl Ether

Concen: 0.121 ug/L

RT: 2.80 min Scan# 533

Delta R.T. 0.01 min

Lab File: VV013768.D

Acq: 25 Nov 2019 16:10

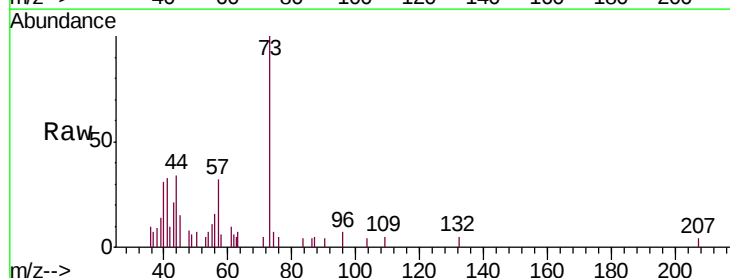
Tgt Ion: 73 Resp: 5595

Ion Ratio Lower Upper

73 100

43 26.1 15.5 23.3#

57 36.6 17.5 26.3#



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

3000

2000

1000

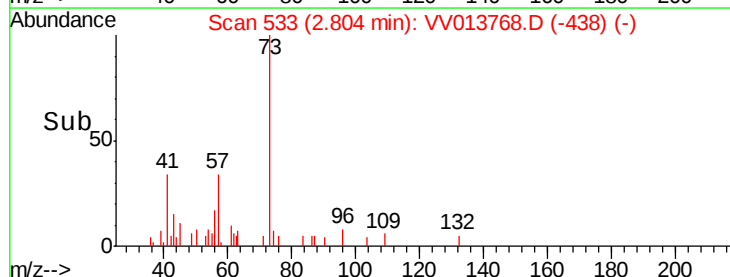
0

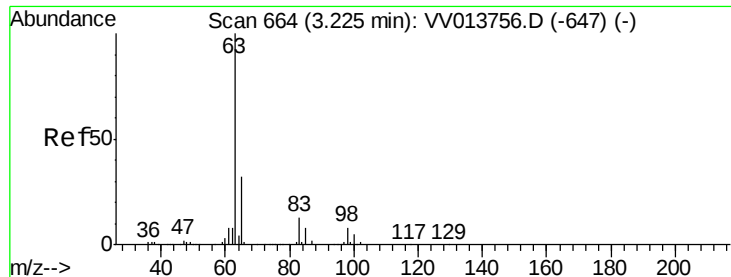
2.75

2.80

2.85

Time-->

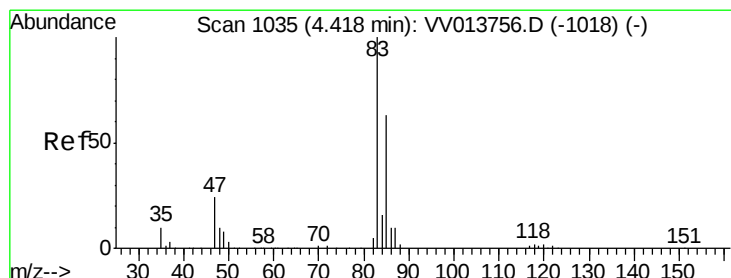
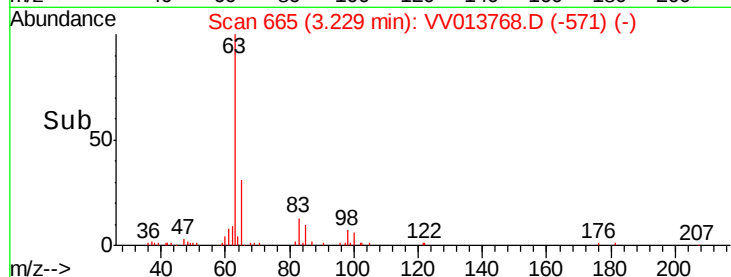
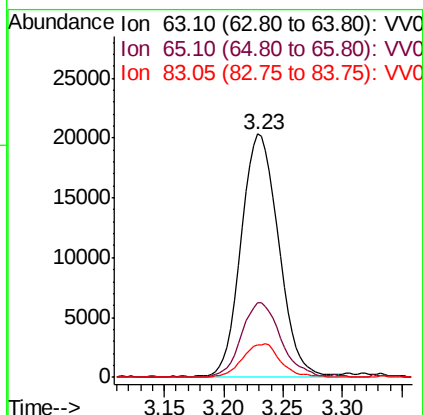
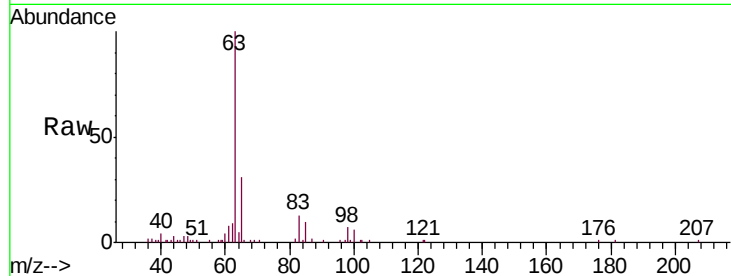




#19
 1,1-Dichloroethane
 Concen: 1.174 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV013768.D
 Acq: 25 Nov 2019 16:10

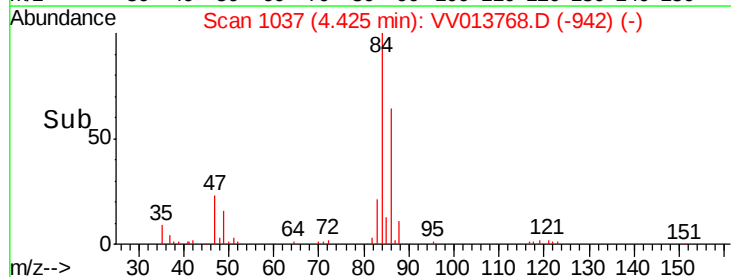
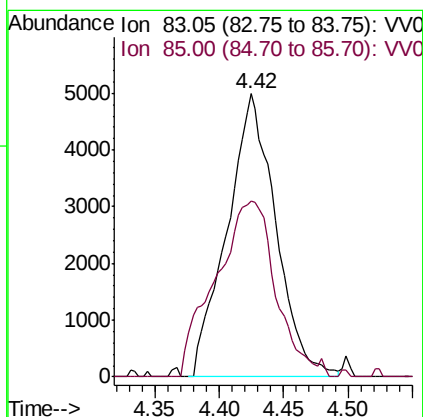
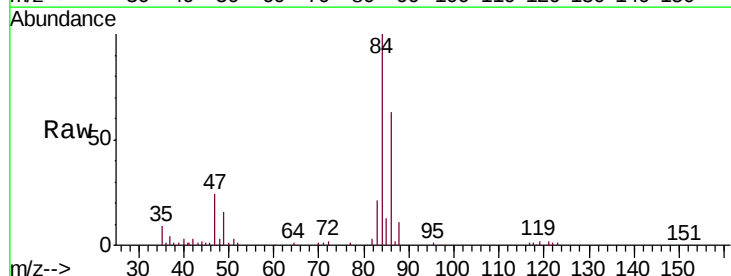
Instrument :
 MSVOA_V
 ClientSampled :
 B0AE1

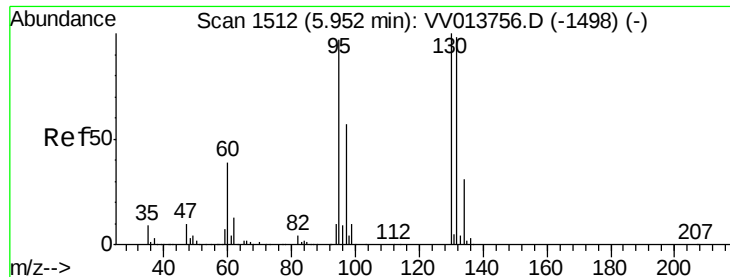
Tgt Ion: 63 Resp: 44683
 Ion Ratio Lower Upper
 63 100
 65 30.7 22.7 42.1
 83 13.1 9.2 17.2



#25
 Chloroform
 Concen: 0.326 ug/L
 RT: 4.42 min Scan# 1037
 Delta R.T. 0.01 min
 Lab File: VV013768.D
 Acq: 25 Nov 2019 16:10

Tgt Ion: 83 Resp: 13138
 Ion Ratio Lower Upper
 83 100
 85 62.1 45.1 83.7





#34

Trichloroethene

Concen: 3.709 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.01 min

Lab File: VV013768.D

Acq: 25 Nov 2019 16:10

Instrument :

MSVOA_V

ClientSampleId :

B0AE1

Tgt Ion: 95 Resp: 87042

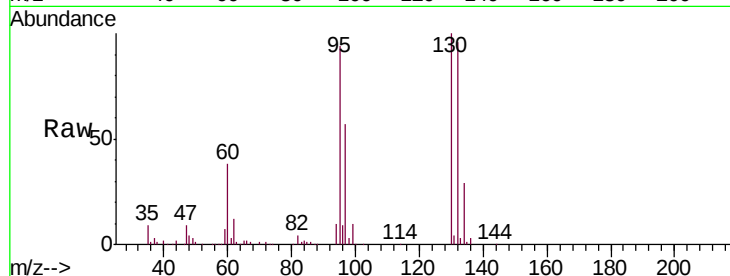
Ion Ratio Lower Upper

95 100

97 60.9 45.6 84.8

132 102.9 70.5 130.9

130 106.6 75.9 140.9

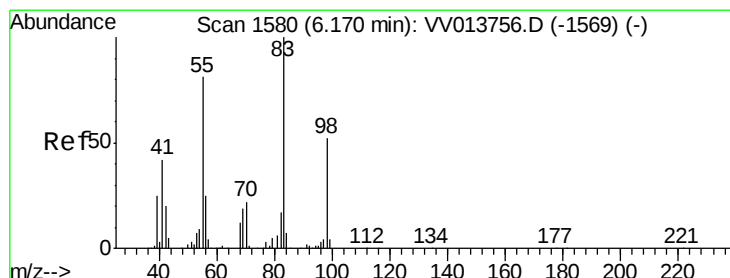
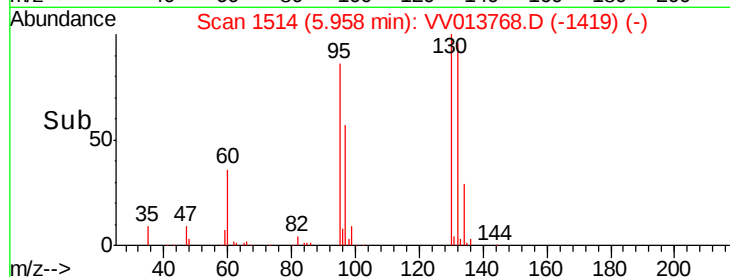
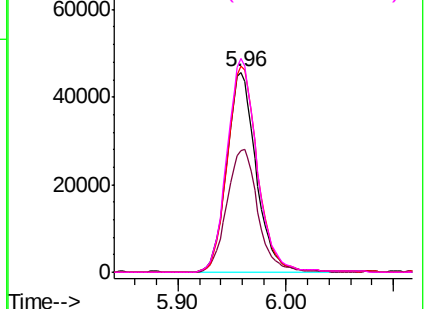


Abundance Ion 95.00 (94.70 to 95.70): VV0

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



#35

Methylcyclohexane

Concen: 1.044 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.05 min

Lab File: VV013768.D

Acq: 25 Nov 2019 16:10

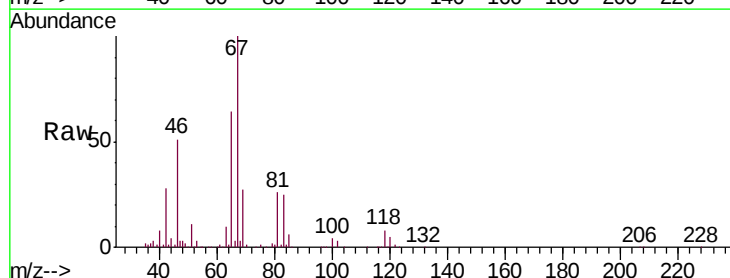
Tgt Ion: 83 Resp: 32679

Ion Ratio Lower Upper

83 100

55 0.8 60.3 90.5#

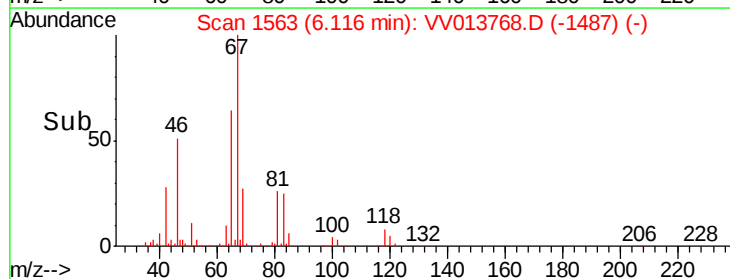
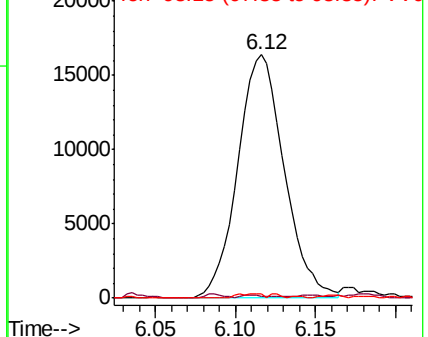
98 0.4 38.1 57.1#

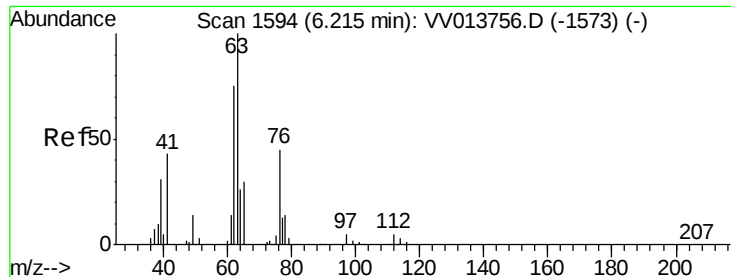


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 0.686 ug/L

RT: 6.11 min Scan# 1561

Delta R.T. -0.11 min

Lab File: VV013768.D

Acq: 25 Nov 2019 16:10

Instrument :

MSVOA_V

ClientSampleId :

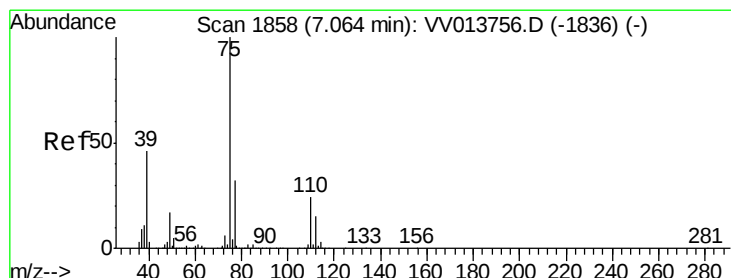
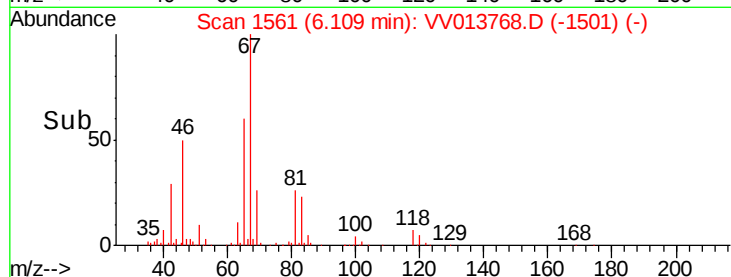
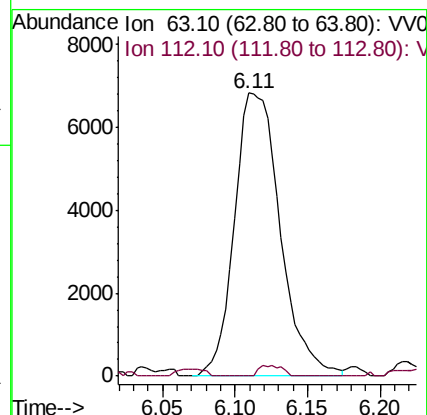
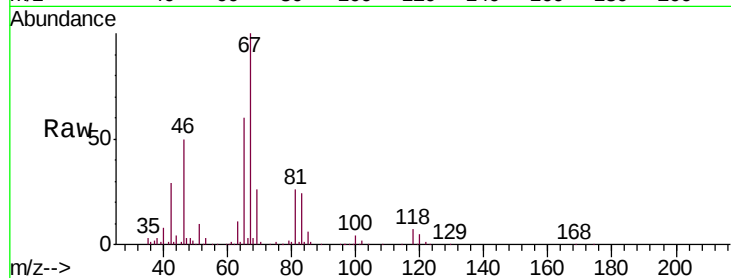
B0AE1

Tgt Ion: 63 Resp: 14998

Ion Ratio Lower Upper

63 100

112 1.9 4.4 6.6#



#39

cis-1,3-Dichloropropene

Concen: 0.112 ug/L

RT: 7.03 min Scan# 1846

Delta R.T. -0.04 min

Lab File: VV013768.D

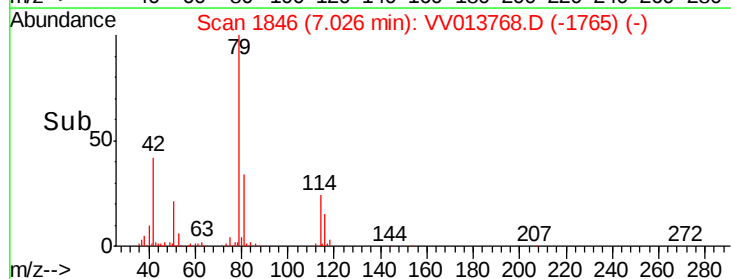
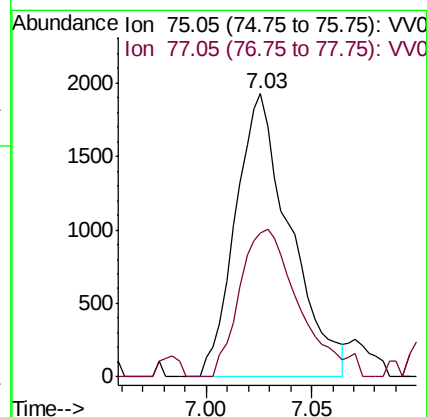
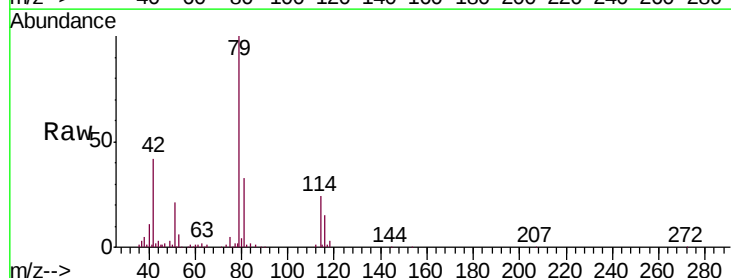
Acq: 25 Nov 2019 16:10

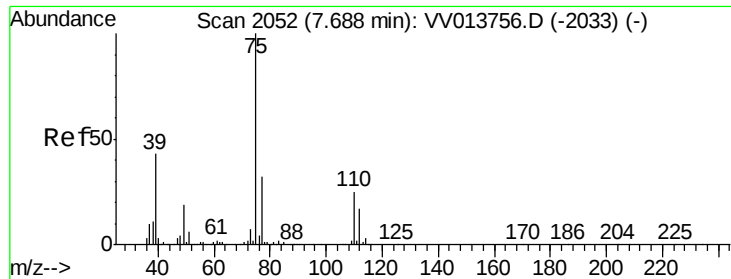
Tgt Ion: 75 Resp: 3462

Ion Ratio Lower Upper

75 100

77 50.8 22.5 41.9#





#44

trans-1,3-Dichloropropene

Concen: 0.096 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV013768.D

Acq: 25 Nov 2019 16:10

Instrument :

MSVOA_V

ClientSampleId :

B0AE1

Tgt Ion: 75 Resp: 2340

Ion Ratio Lower Upper

75 100

77 43.1 23.0 42.8#

