

Data File : VV013769.D
Acq On : 25 Nov 2019 16:56
Operator : SY/MD
Sample : K6003-02 10X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
B0AE3

Quant Time: Nov 26 04:42:02 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	346535	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	339681	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	167999	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	93627	4.36	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.20%
7) Chloroethane-d5	1.58	69	87124	4.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.60%
11) 1,1-Dichloroethene-d2	2.13	63	152665	4.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.60%
20) 2-Butanone-d5	3.93	46	245230	55.00	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.00%
24) Chloroform-d	4.40	84	208255	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.40%
26) 1,2-Dichloroethane-d4	5.08	65	102304	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.40%
32) Benzene-d6	5.09	84	389554	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.00%
36) 1,2-Dichloropropane-d6	6.11	67	122927	4.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.20%
41) Toluene-d8	7.36	98	328581	4.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.00%
43) trans-1,3-Dichloropropene-	7.66	79	42778	4.21	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.20%
46) 2-Hexanone-d5	8.13	63	181647	48.44	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.88%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	95403	5.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	150725	5.08	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.60%

Target Compounds

					Qvalue
3) Chloromethane	1.25	50	4517	0.223 ug/L #	67
5) Vinyl chloride	1.32	62	32532	1.571 ug/L #	1
8) Chloroethane	1.71	64	8240	0.661 ug/L #	50
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	2034	0.106 ug/L #	55
12) 1,1-Dichloroethene	2.14	96	42650	2.560 ug/L #	78
13) Acetone	2.19	43	20352	6.527 ug/L #	48
15) Methyl Acetate	2.19	43	20277	2.905 ug/L #	51
16) Methylene chloride	2.53	84	4975	0.218 ug/L	87
19) 1,1-Dichloroethane	3.23	63	70967	1.889 ug/L	99
21) 2-Butanone	4.03	43	23095	4.900 ug/L	95
22) cis-1,2-Dichloroethene	3.96	96	568922	25.787 ug/L #	99
34) Trichloroethene	5.96	95	208576	9.074 ug/L	96
35) Methylcyclohexane	6.11	83	31477	1.026 ug/L #	20
37) 1,2-Dichloropropane	6.22	63	1943	0.091 ug/L #	86
48) 2-Hexanone	8.19	43	13526	1.517 ug/L #	86
63) 1,4-Dichlorobenzene	11.32	146	3053	0.061 ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	2961	0.072 ug/L #	95

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

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 26 04:36:55 2019
Response via : Initial Calibration

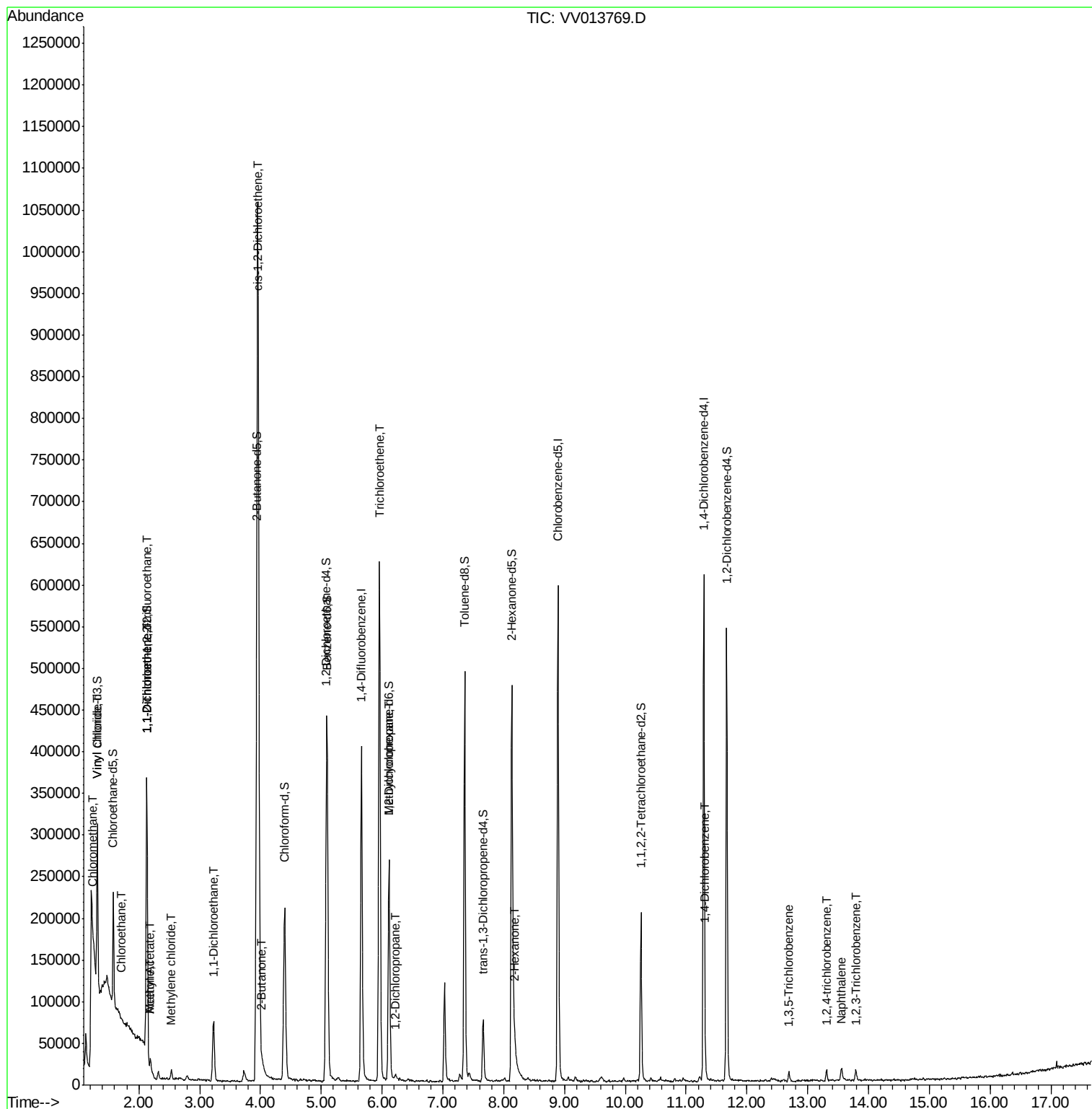
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1,2,4-trichlorobenzene	13.31	180	4053	0.120	ug/L	90
69) Naphthalene	13.55	128	11833	0.257	ug/L #	95
70) 1,2,3-Trichlorobenzene	13.79	180	4868	0.158	ug/L	91

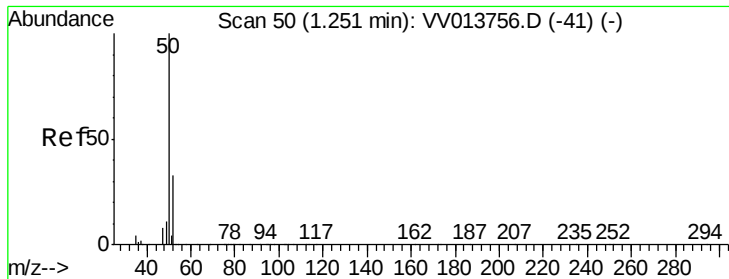
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.223 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV013769.D

Acq: 25 Nov 2019 16:56

Instrument :

MSVOA_V

ClientSampleId :

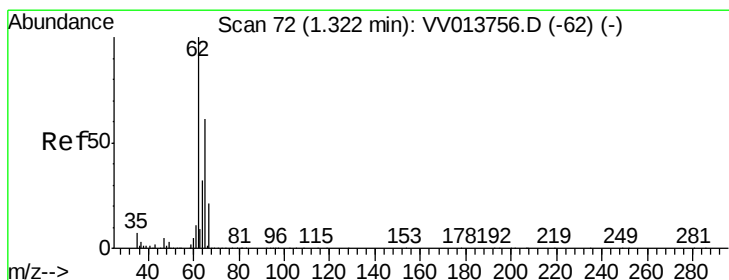
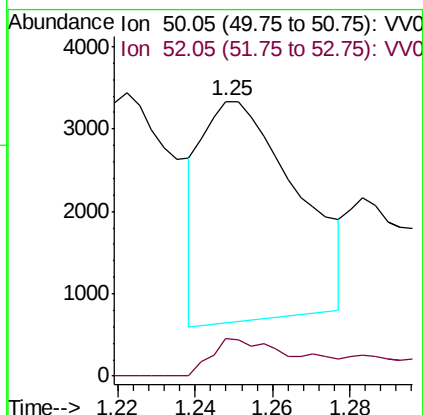
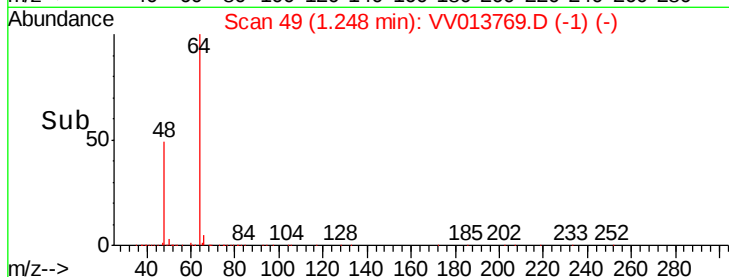
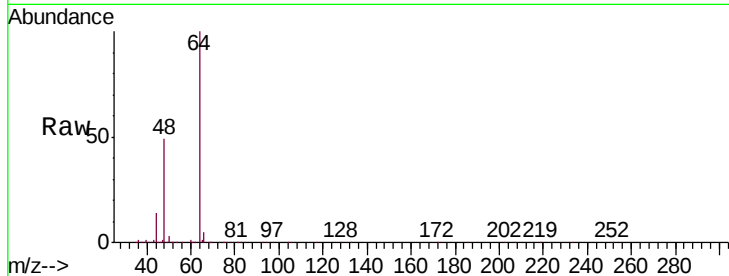
B0AE3

Tgt Ion: 50 Resp: 4517

Ion Ratio Lower Upper

50 100

52 13.5 22.5 41.7#



#5

Vinyl chloride

Concen: 1.571 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV013769.D

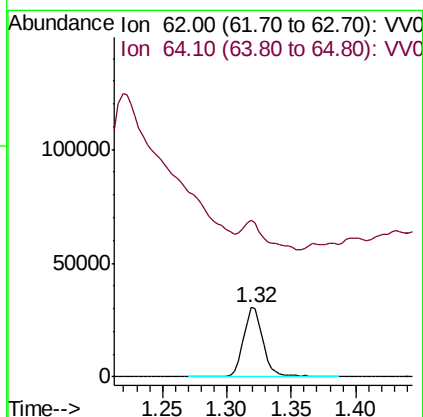
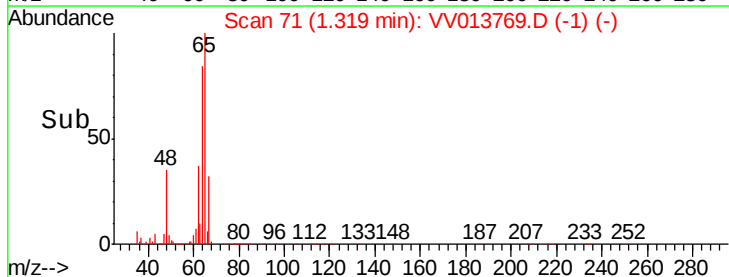
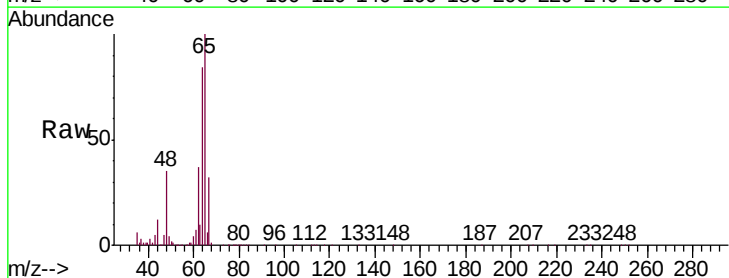
Acq: 25 Nov 2019 16:56

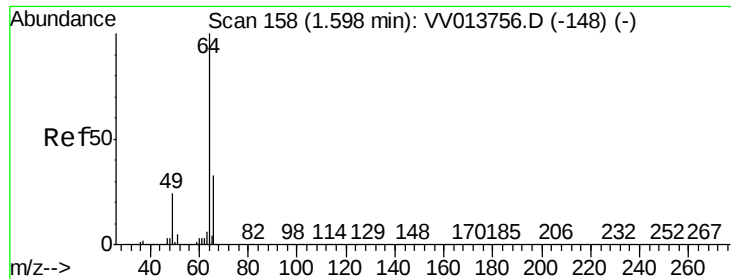
Tgt Ion: 62 Resp: 32532

Ion Ratio Lower Upper

62 100

64 227.3 23.3 43.3#

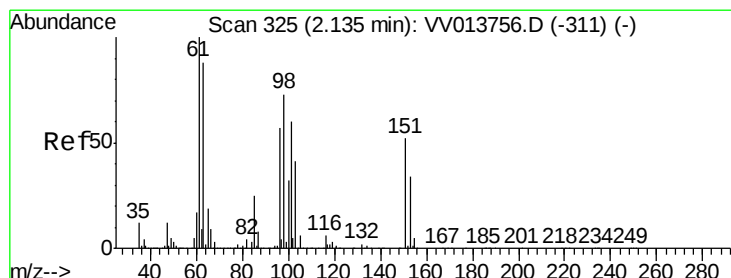
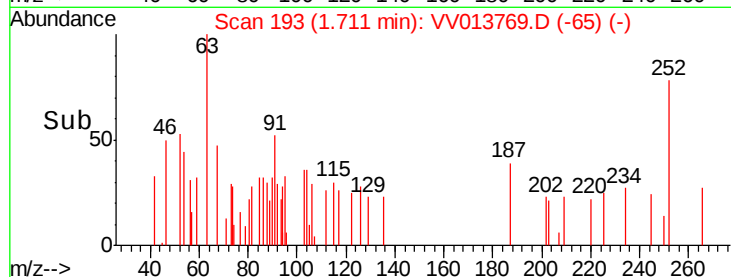
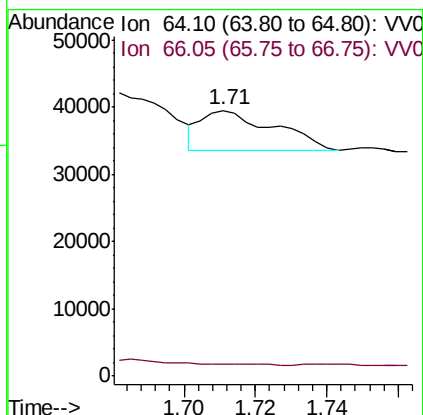
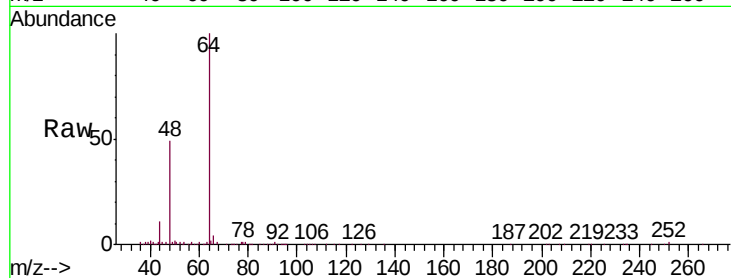




#8
Chloroethane
Concen: 0.661 ug/L
RT: 1.71 min Scan# 193
Delta R.T. 0.11 min
Lab File: VV013769.D
Acq: 25 Nov 2019 16:56

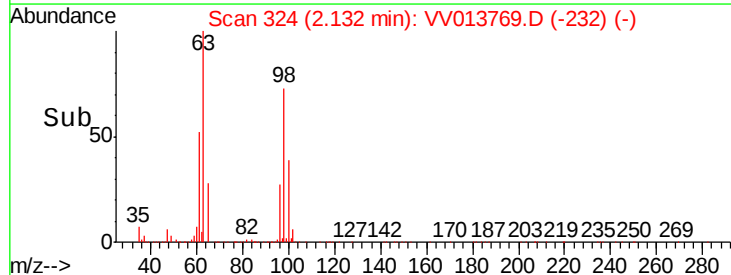
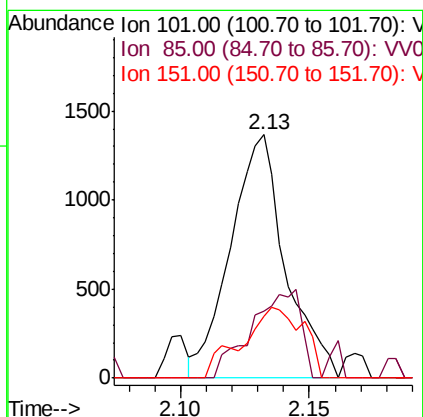
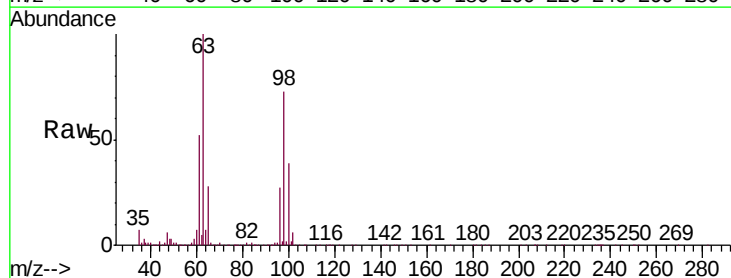
Instrument :
MSVOA_V
ClientSampleId :
B0AE3

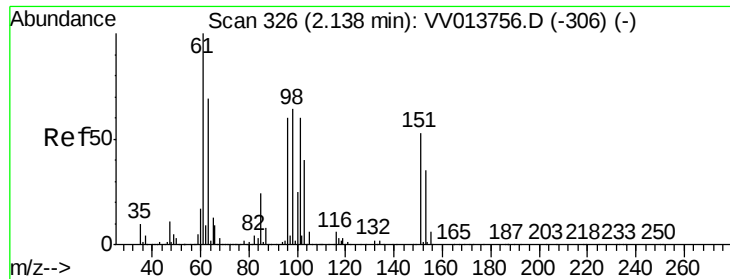
Tgt Ion: 64 Resp: 8240
Ion Ratio Lower Upper
64 100
66 4.5 22.6 42.0#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.106 ug/L
RT: 2.13 min Scan# 324
Delta R.T. -0.00 min
Lab File: VV013769.D
Acq: 25 Nov 2019 16:56

Tgt Ion: 101 Resp: 2034
Ion Ratio Lower Upper
101 100
85 32.5 33.4 50.0#
151 32.2 69.4 104.0#

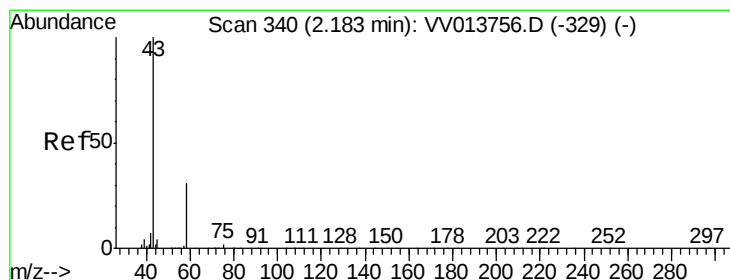
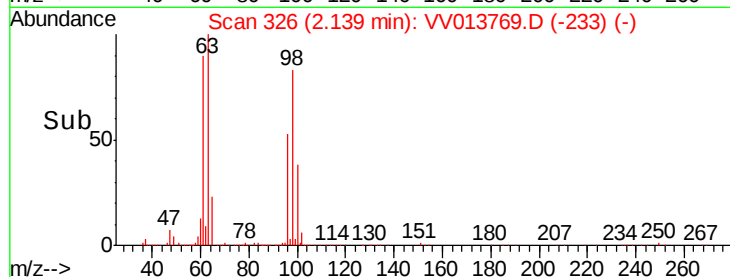
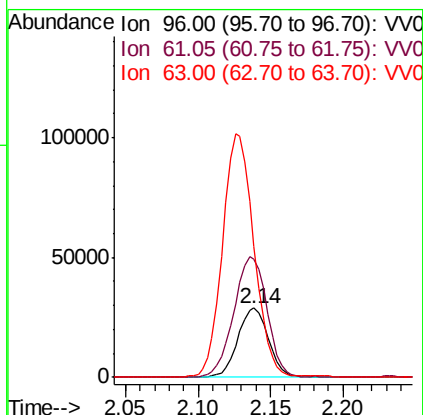
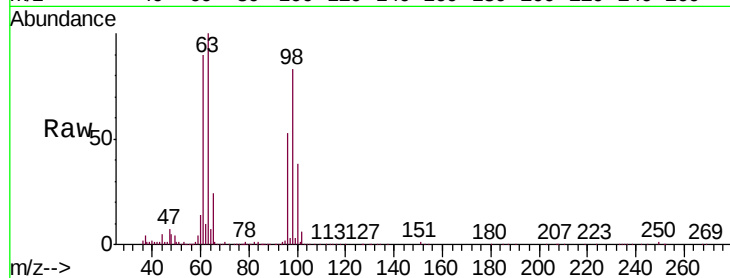




#12
 1,1-Dichloroethene
 Concen: 2.560 ug/L
 RT: 2.14 min Scan# 326
 Delta R.T. 0.00 min
 Lab File: VV013769.D
 Acq: 25 Nov 2019 16:56

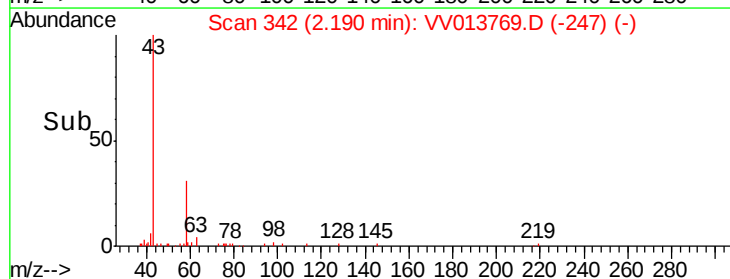
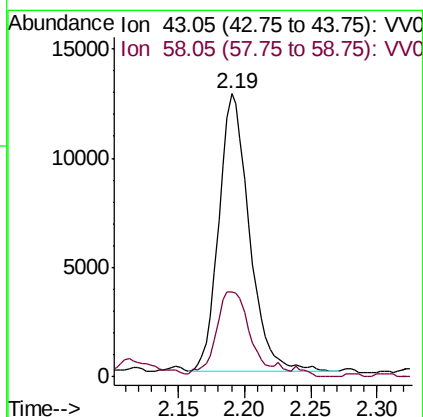
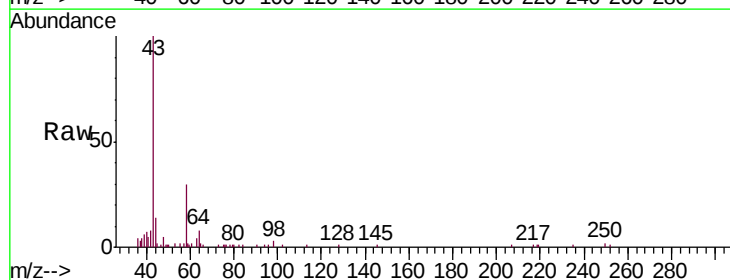
Instrument :
 MSVOA_V
 ClientSampleId :
 B0AE3

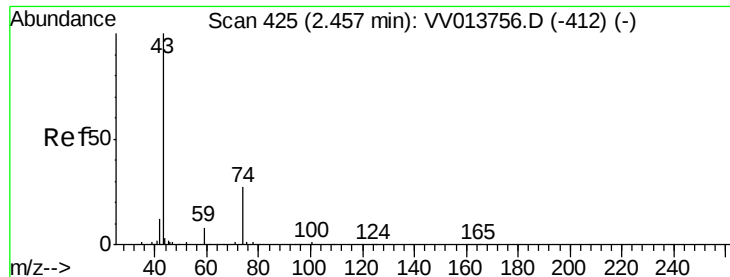
Tgt Ion: 96 Resp: 42650
 Ion Ratio Lower Upper
 96 100
 61 171.5 116.3 215.9
 63 189.8 96.7 179.7#



#13
 Acetone
 Concen: 6.527 ug/L
 RT: 2.19 min Scan# 342
 Delta R.T. 0.01 min
 Lab File: VV013769.D
 Acq: 25 Nov 2019 16:56

Tgt Ion: 43 Resp: 20352
 Ion Ratio Lower Upper
 43 100
 58 34.5 0.0 27.2#

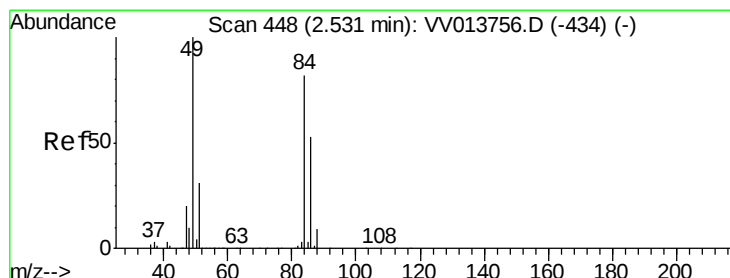
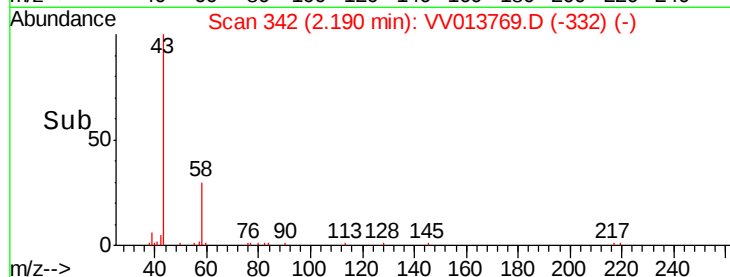
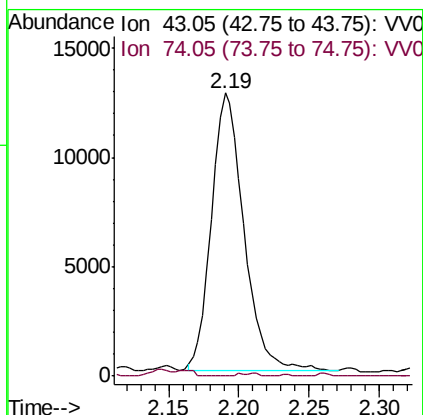
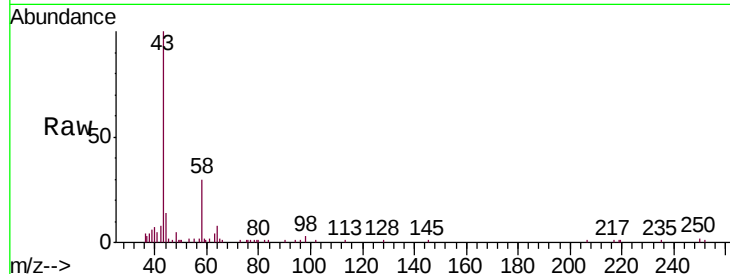




#15
Methyl Acetate
Concen: 2.905 ug/L
RT: 2.19 min Scan# 342
Delta R.T. -0.27 min
Lab File: VV013769.D
Acq: 25 Nov 2019 16:56

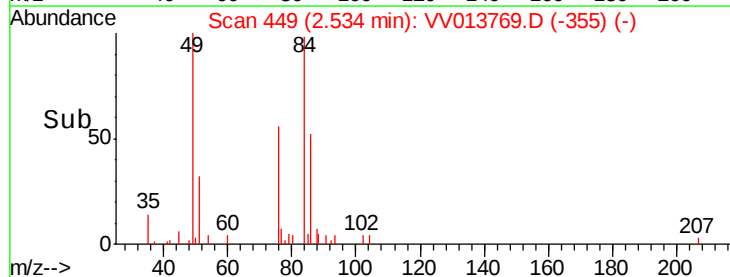
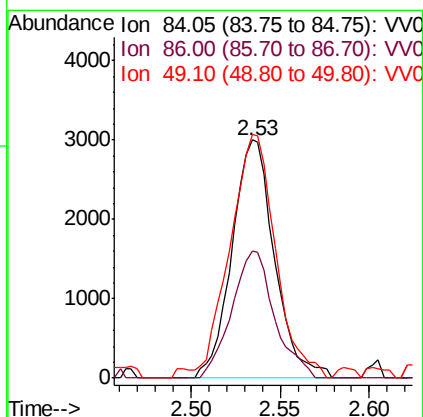
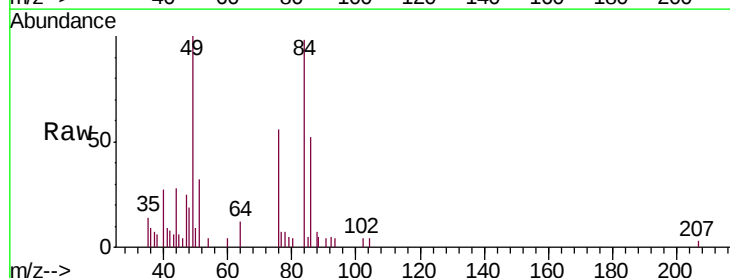
Instrument :
MSVOA_V
ClientSampleId :
B0AE3

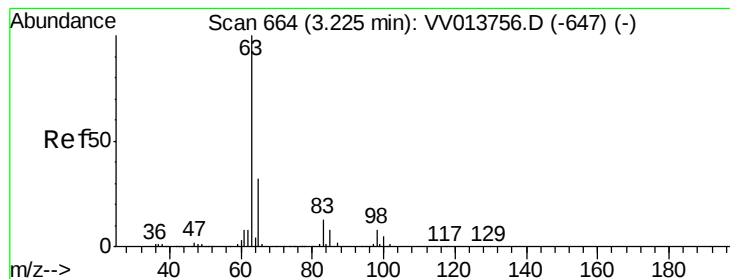
Tgt Ion: 43 Resp: 20277
Ion Ratio Lower Upper
43 100
74 0.5 20.5 30.7#



#16
Methylene chloride
Concen: 0.218 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV013769.D
Acq: 25 Nov 2019 16:56

Tgt Ion: 84 Resp: 4975
Ion Ratio Lower Upper
84 100
86 53.4 44.0 81.6
49 102.3 81.5 151.5





#19

1,1-Dichloroethane

Concen: 1.889 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV013769.D

Acq: 25 Nov 2019 16:56

Instrument :

MSVOA_V

ClientSampleId :

B0AE3

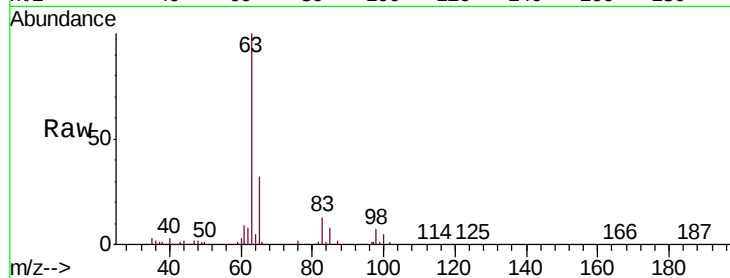
Tgt Ion: 63 Resp: 70967

Ion Ratio Lower Upper

63 100

65 32.0 22.7 42.1

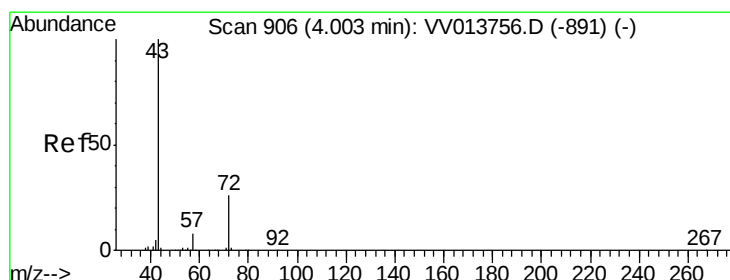
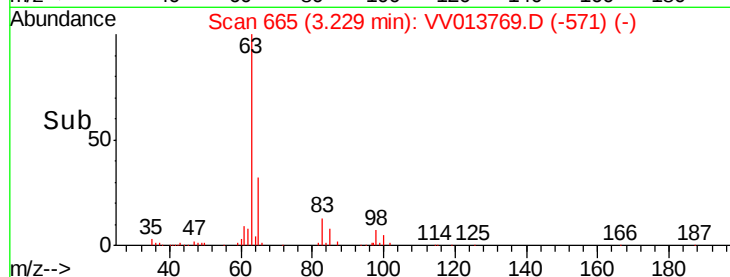
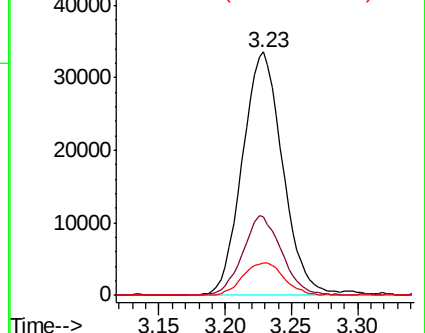
83 13.4 9.2 17.2



Abundance Ion 63.10 (62.80 to 63.80): VV013756.D (-647) (-)

Ion 65.10 (64.80 to 65.80): VV013756.D (-647) (-)

Ion 83.05 (82.75 to 83.75): VV013756.D (-647) (-)



#21

2-Butanone

Concen: 4.900 ug/L

RT: 4.03 min Scan# 913

Delta R.T. 0.02 min

Lab File: VV013769.D

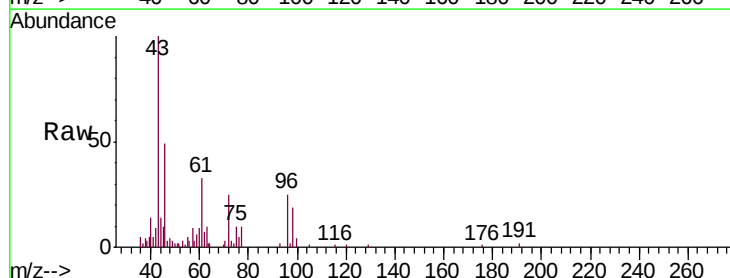
Acq: 25 Nov 2019 16:56

Tgt Ion: 43 Resp: 23095

Ion Ratio Lower Upper

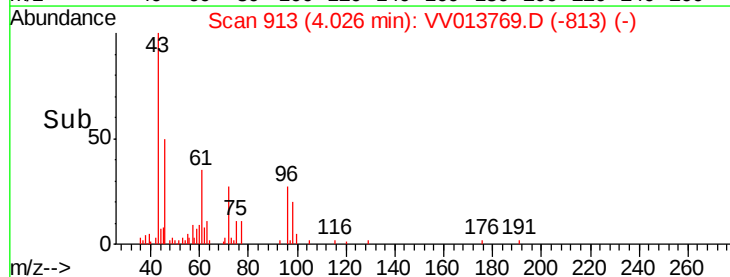
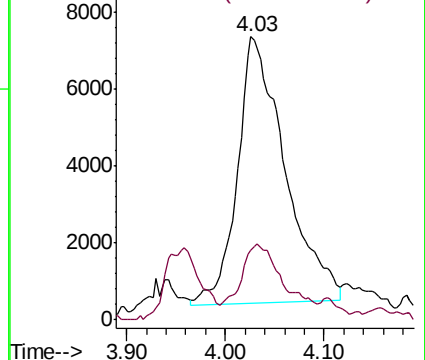
43 100

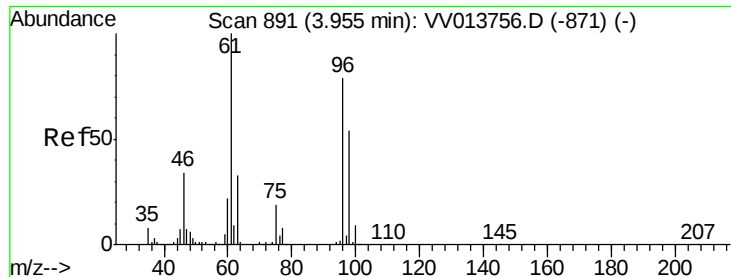
72 26.9 12.3 36.9



Abundance Ion 43.05 (42.75 to 43.75): VV013756.D (-891) (-)

Ion 72.10 (71.80 to 72.80): VV013756.D (-891) (-)



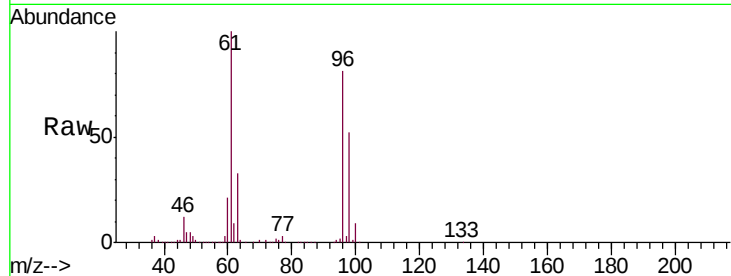


#22

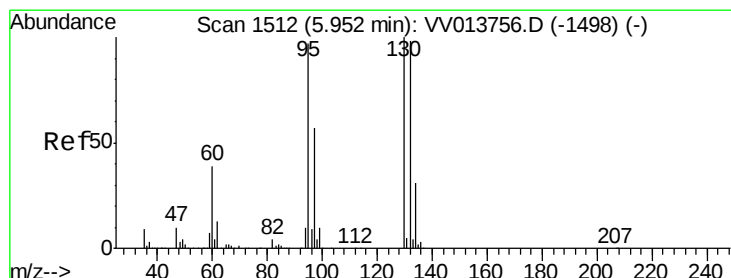
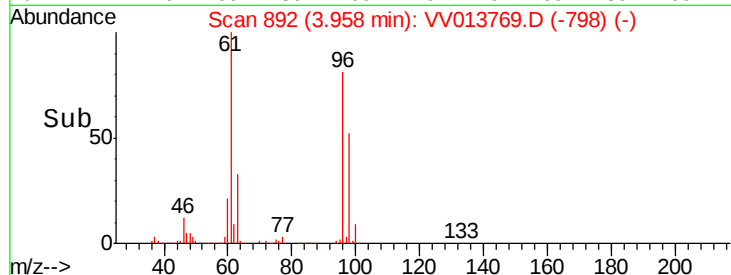
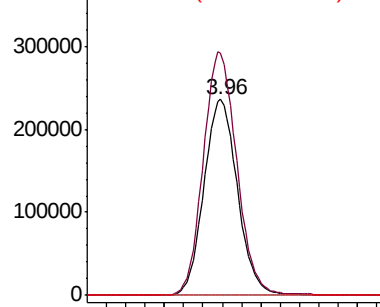
cis-1,2-Dichloroethene
Concen: 25.787 ug/L
RT: 3.96 min Scan# 892
Delta R.T. 0.00 min
Lab File: VV013769.D
Acq: 25 Nov 2019 16:56

Instrument :
MSVOA_V
ClientSampleId :
B0AE3

Tgt Ion: 96 Resp: 568922
Ion Ratio Lower Upper
96 100
61 123.8 86.1 159.9
68 0.1 0.0 0.0#



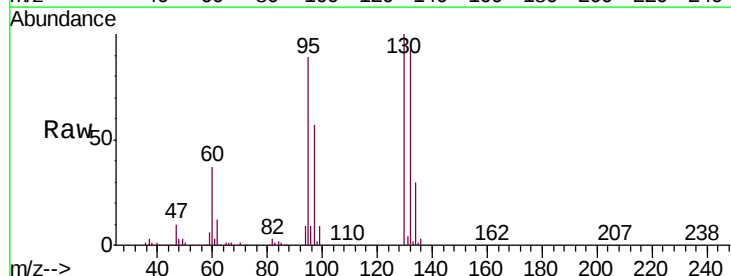
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



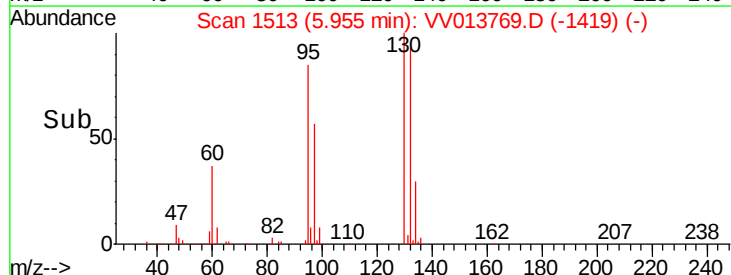
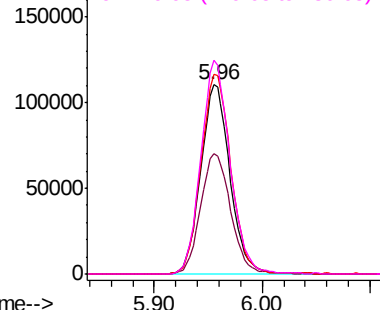
#34

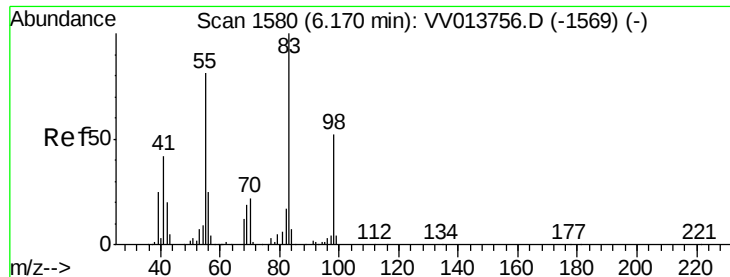
Trichloroethene
Concen: 9.074 ug/L
RT: 5.96 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VV013769.D
Acq: 25 Nov 2019 16:56

Tgt Ion: 95 Resp: 208576
Ion Ratio Lower Upper
95 100
97 63.9 45.6 84.8
132 105.3 70.5 130.9
130 112.9 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

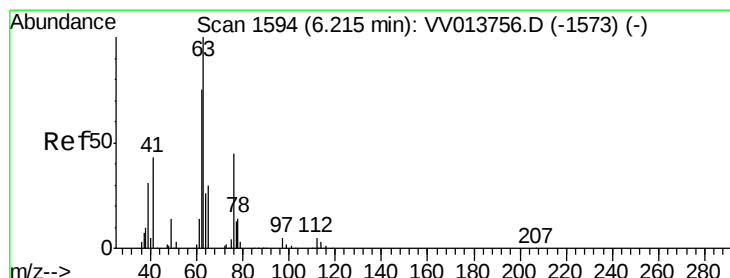
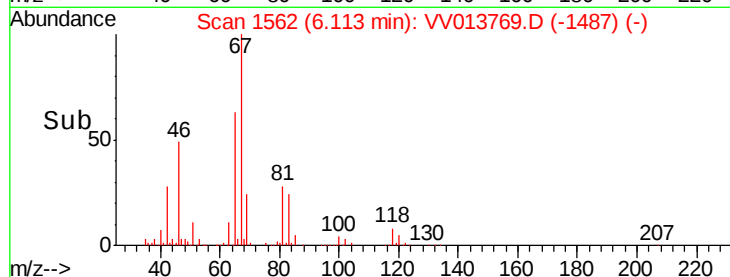
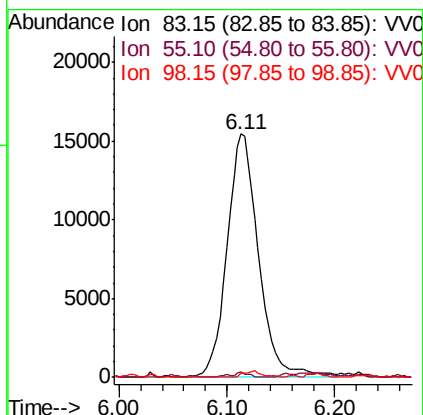
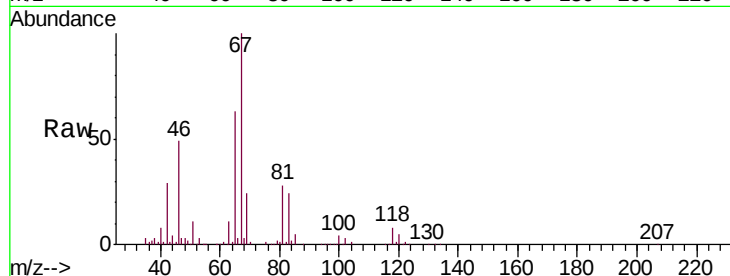




#35
Methylcyclohexane
Concen: 1.026 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.06 min
Lab File: VV013769.D
Acq: 25 Nov 2019 16:56

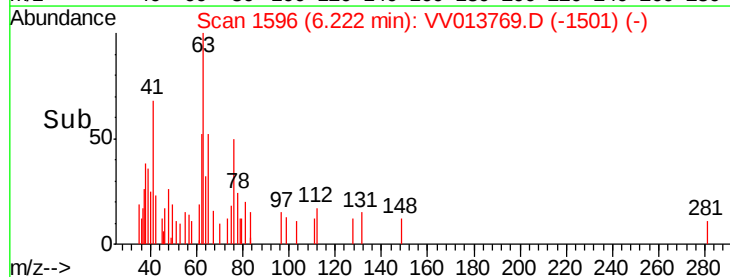
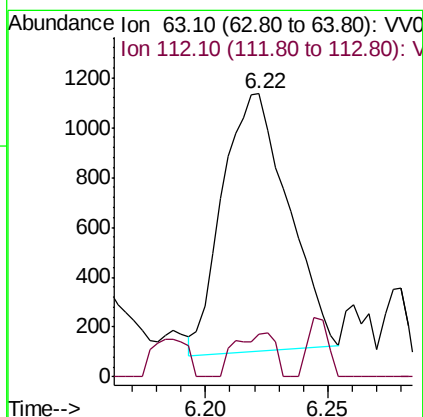
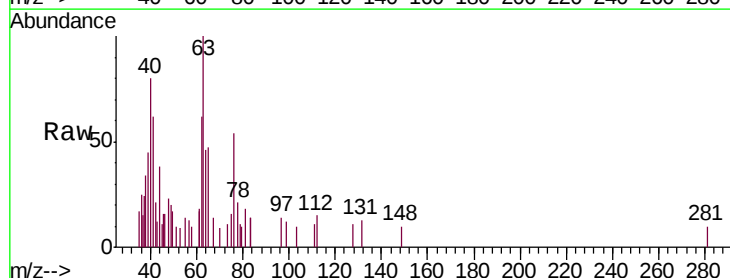
Instrument :
MSVOA_V
ClientSampleId :
B0AE3

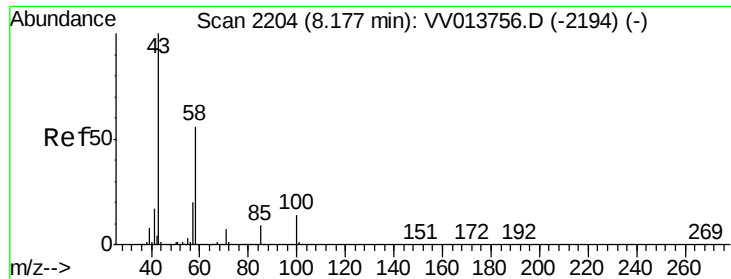
Tgt Ion: 83 Resp: 31477
Ion Ratio Lower Upper
83 100
55 1.2 60.3 90.5#
98 1.6 38.1 57.1#



#37
1,2-Dichloropropane
Concen: 0.091 ug/L
RT: 6.22 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VV013769.D
Acq: 25 Nov 2019 16:56

Tgt Ion: 63 Resp: 1943
Ion Ratio Lower Upper
63 100
112 10.3 4.4 6.6#

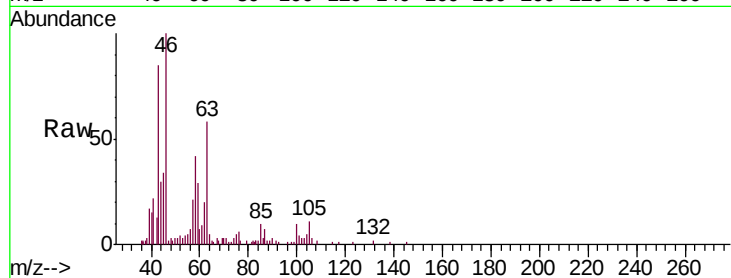




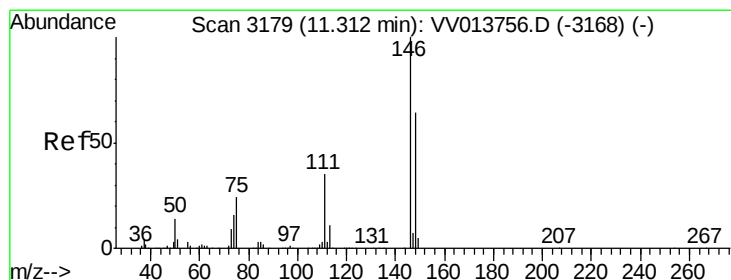
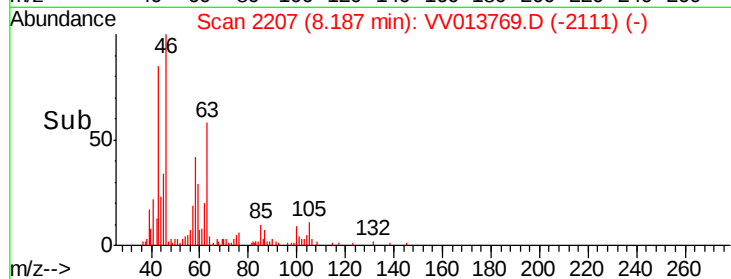
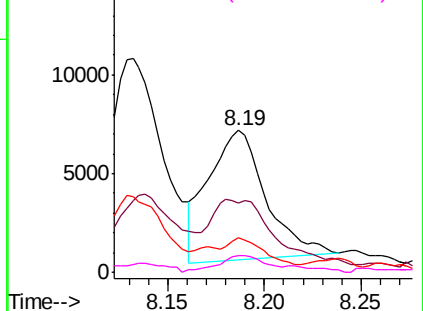
#48
2-Hexanone
Concen: 1.517 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.01 min
Lab File: VV013769.D
Acq: 25 Nov 2019 16:56

Instrument :
MSVOA_V
ClientSampleId :
B0AE3

Tgt Ion: 43 Resp: 13526
Ion Ratio Lower Upper
43 100
58 68.0 43.2 64.8#
57 17.5 15.4 23.2
100 10.6 10.4 15.6

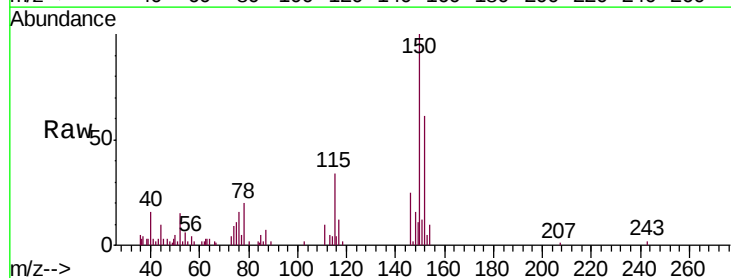


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

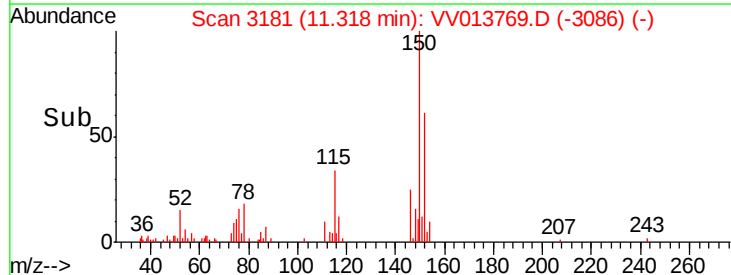
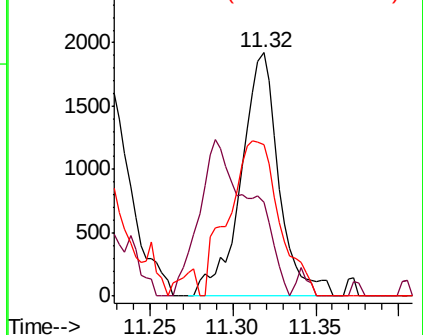


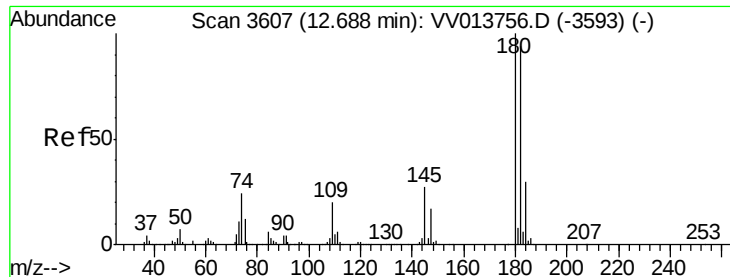
#63
1,4-Dichlorobenzene
Concen: 0.061 ug/L
RT: 11.32 min Scan# 3181
Delta R.T. 0.01 min
Lab File: VV013769.D
Acq: 25 Nov 2019 16:56

Tgt Ion: 146 Resp: 3053
Ion Ratio Lower Upper
146 100
111 38.5 25.0 46.4
148 62.1 45.4 84.2



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

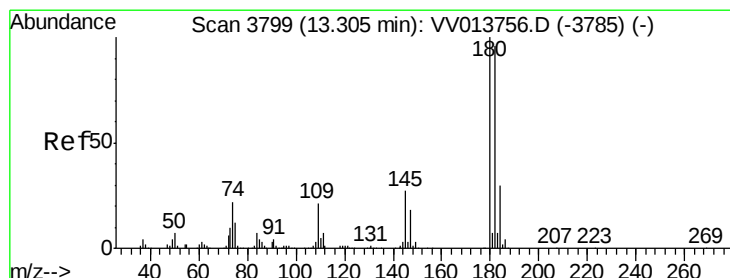
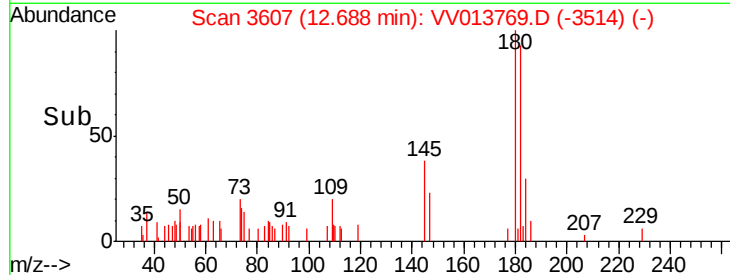
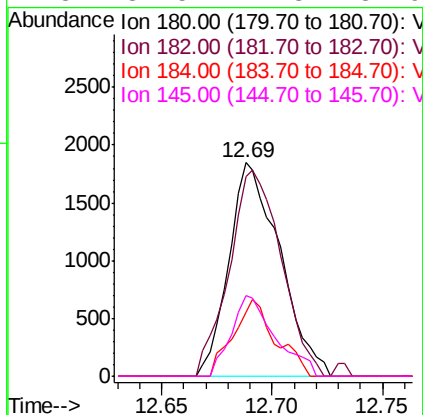
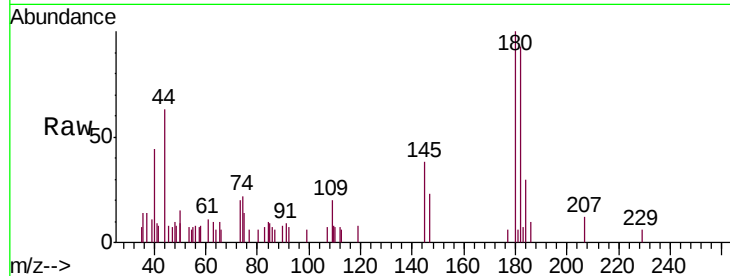




#67
 1,3,5-Trichlorobenzene
 Concen: 0.072 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV013769.D
 Acq: 25 Nov 2019 16:56

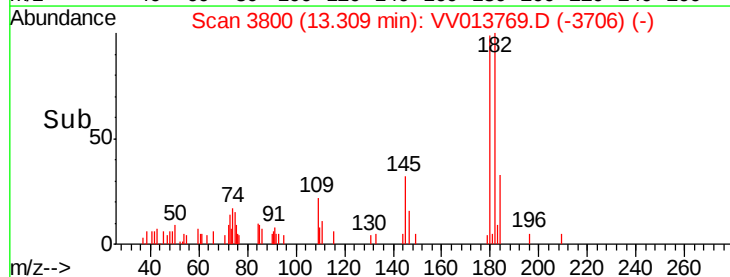
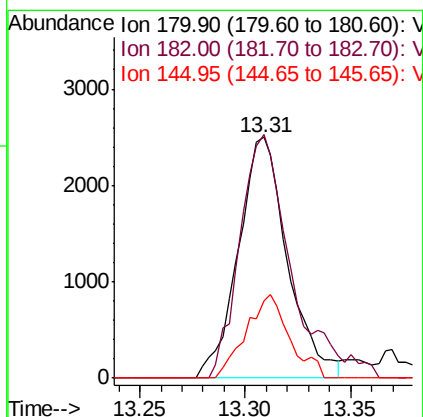
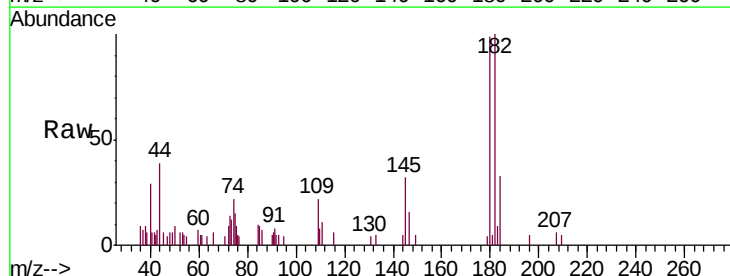
Instrument :
 MSVOA_V
 ClientSampled :
 B0AE3

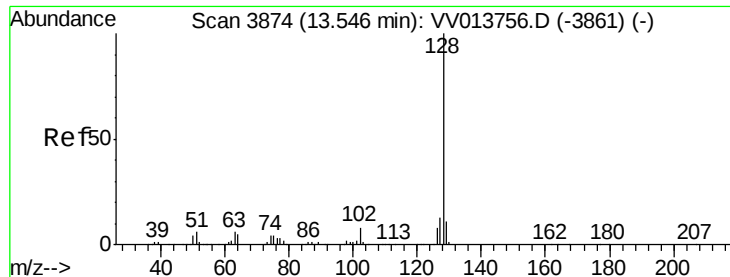
Tgt Ion:	180	Resp:	2961
Ion	Ratio	Lower	Upper
180	100		
182	98.3	74.8	112.2
184	29.7	23.2	34.8
145	32.5	21.3	31.9#



#68
 1,2,4-trichlorobenzene
 Concen: 0.120 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV013769.D
 Acq: 25 Nov 2019 16:56

Tgt Ion:	180	Resp:	4053
Ion	Ratio	Lower	Upper
180	100		
182	105.8	76.2	114.4
145	30.7	21.0	31.6





#69

Naphthalene

Concen: 0.257 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.01 min

Lab File: VV013769.D

Acq: 25 Nov 2019 16:56

Instrument :

MSVOA_V

ClientSampleId :

B0AE3

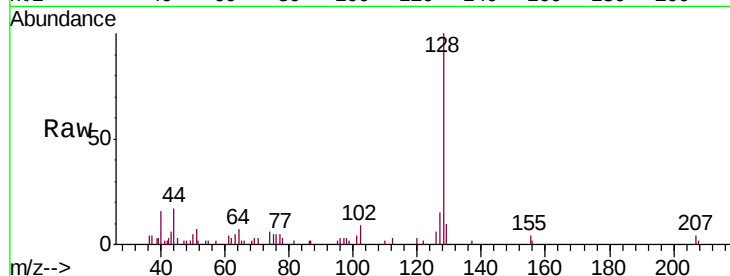
Tgt Ion:128 Resp: 11833

Ion Ratio Lower Upper

128 100

129 10.5 8.6 12.8

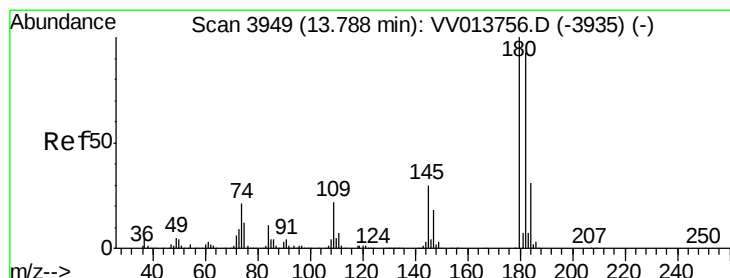
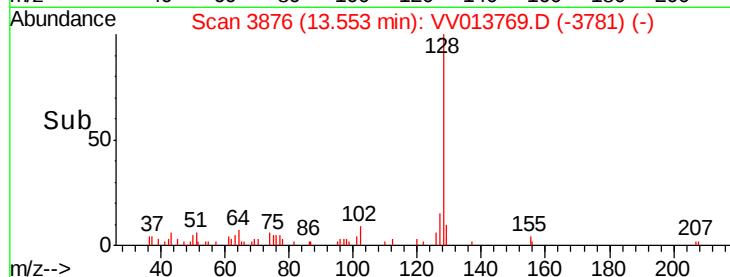
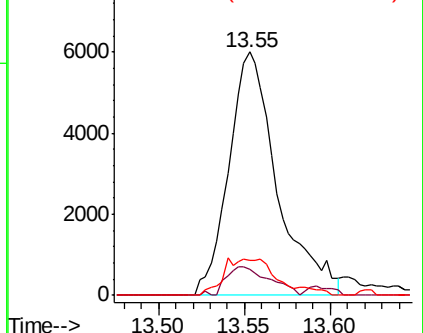
127 16.8 10.6 16.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.158 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.01 min

Lab File: VV013769.D

Acq: 25 Nov 2019 16:56

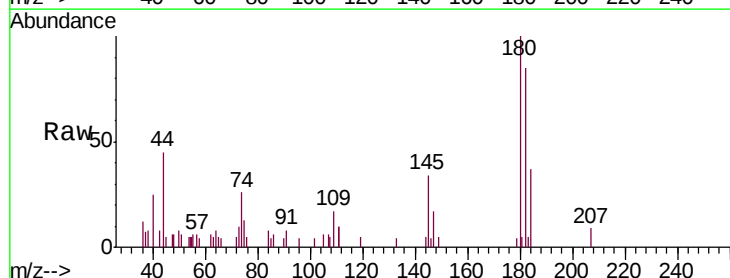
Tgt Ion:180 Resp: 4868

Ion Ratio Lower Upper

180 100

182 87.4 78.5 117.7

145 30.9 23.8 35.8



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

