

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV030920\
 Data File : VV014772.D
 Acq On : 09 Mar 2020 13:26
 Operator : SY/MD
 Sample : L1834-14
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DK7

Quant Time: Mar 10 14:47:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 10 14:44:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	422229	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	410506	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	212349	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	124105	43.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.86%
7) Chloroethane-d5	1.58	69	102115	45.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.40%
11) 1,1-Dichloroethene-d2	2.12	63	162476	34.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.44%
21) 2-Butanone-d5	3.93	46	199516	93.62	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.62%
24) Chloroform-d	4.38	84	240348	44.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.84%
26) 1,2-Dichloroethane-d4	5.06	65	174909	47.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.18%
32) Benzene-d6	5.08	84	541548	49.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.92%
36) 1,2-Dichloropropane-d6	6.10	67	172055	47.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.78%
41) Toluene-d8	7.34	98	513010	48.32	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.64%
43) trans-1,3-Dichloropropene-	7.64	79	84209	48.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.02%
47) 2-Hexanone-d5	8.12	63	159952	100.28	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.28%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	230428	46.63	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.26%
64) 1,2-Dichlorobenzene-d4	11.65	152	211954	50.36	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.72%

Target Compounds

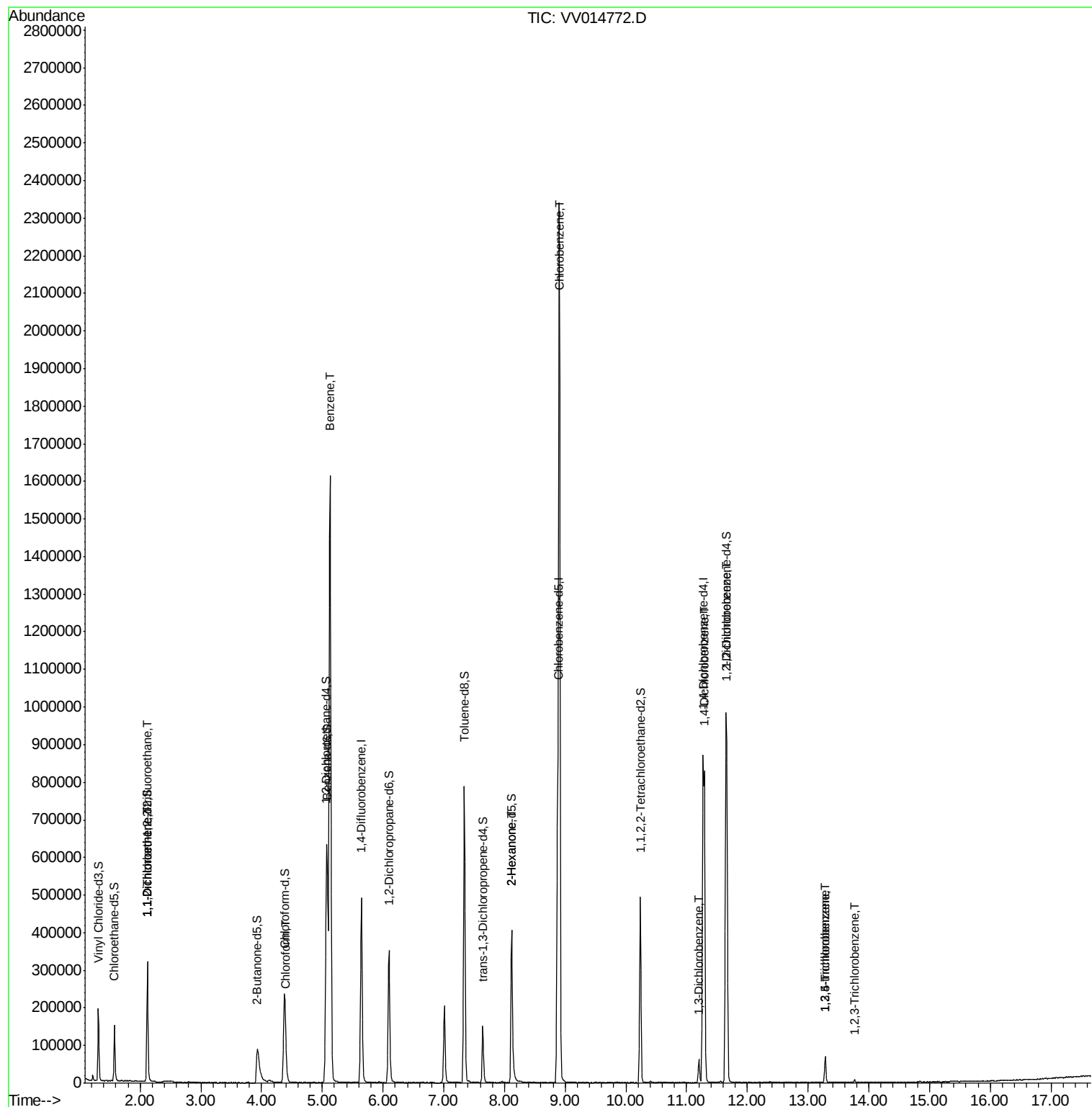
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1606	0.68	ug/L	# 18
12) 1,1-Dichloroethene	2.12	96	1690	0.74	ug/L	# 1
25) Chloroform	4.41	83	25878	4.51	ug/L	95
33) Benzene	5.13	78	1618132	136.06	ug/L	100
48) 2-Hexanone	8.12	43	18677	5.10	ug/L	# 73
51) Chlorobenzene	8.90	112	1233665	146.14	ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	24601	3.58	ug/L	95
63) 1,4-Dichlorobenzene	11.29	146	305134	44.11	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	260771	38.14	ug/L	98
67) 1,3,5-Trichlorobenzene	13.28	180	20542	3.87	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	20542	4.21	ug/L	100
70) 1,2,3-Trichlorobenzene	13.76	180	2107	0.43	ug/L	96

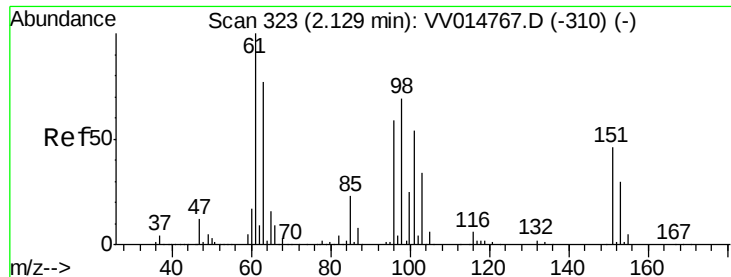
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.68 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV014772.D

Acq: 09 Mar 2020 13:26

Instrument :

MSVOA_V

ClientSampleId :

C0DK7

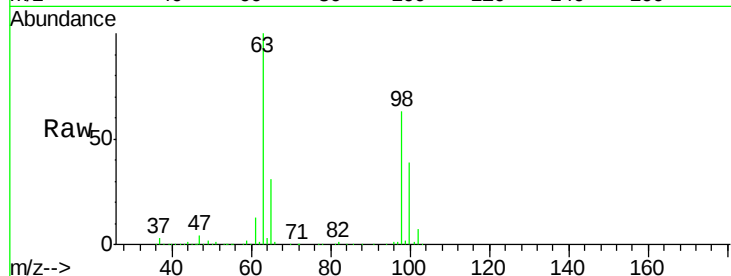
Tgt Ion: 101 Resp: 1606

Ion Ratio Lower Upper

101 100

85 2.7 35.0 52.6#

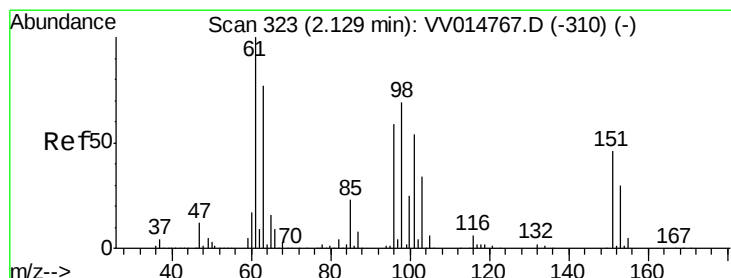
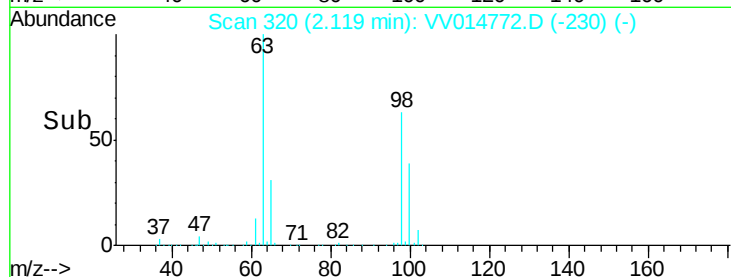
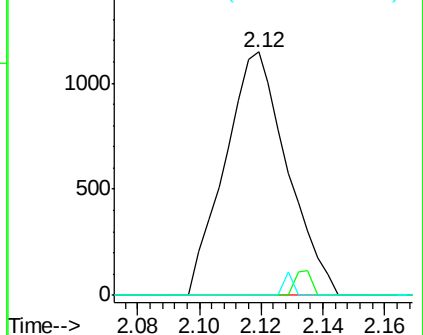
151 0.0 66.4 99.6#



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: 0.74 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV014772.D

Acq: 09 Mar 2020 13:26

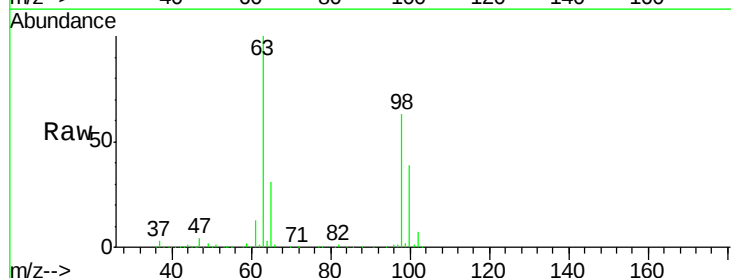
Tgt Ion: 96 Resp: 1690

Ion Ratio Lower Upper

96 100

61 1223.9 118.4 220.0#

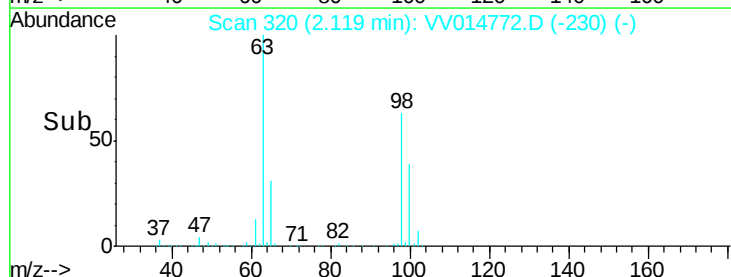
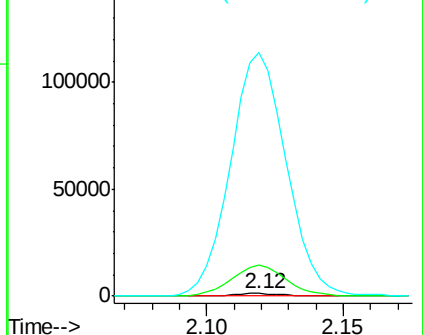
63 9706.3 88.4 164.2#

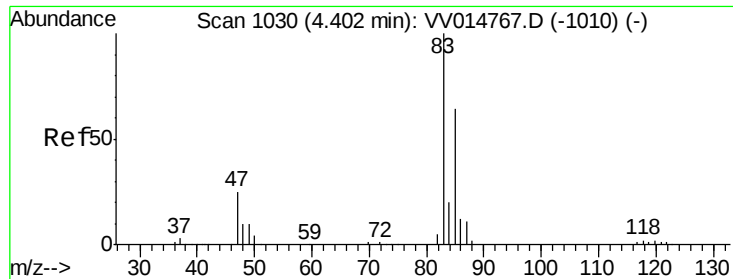


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0

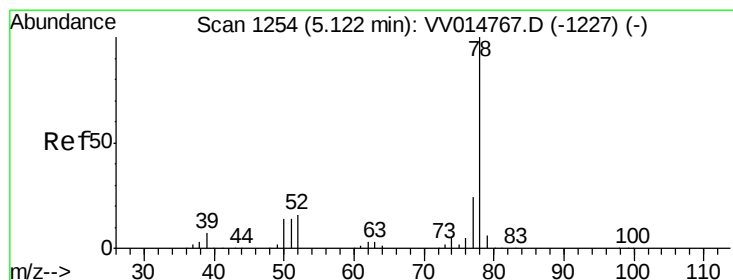
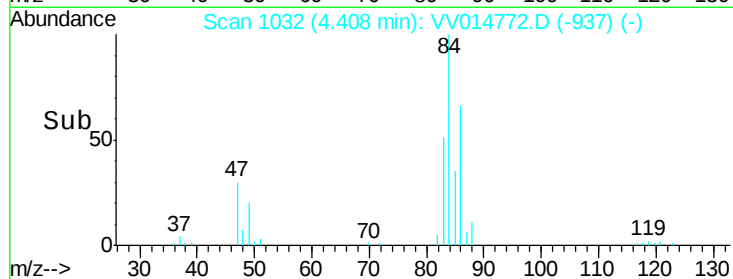
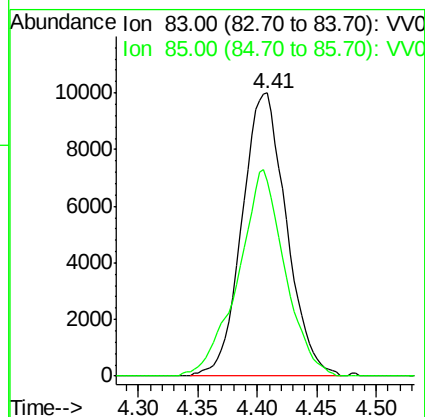
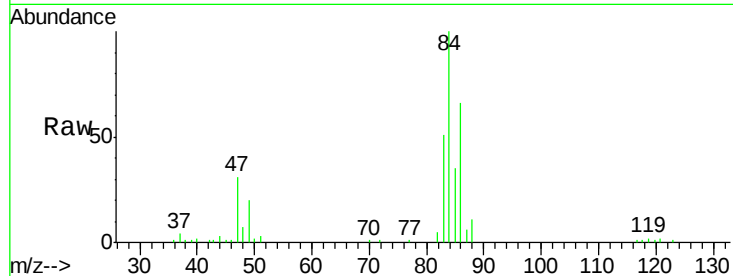




#25
Chloroform
Concen: 4.51 ug/L
RT: 4.41 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VV014772.D
Acq: 09 Mar 2020 13:26

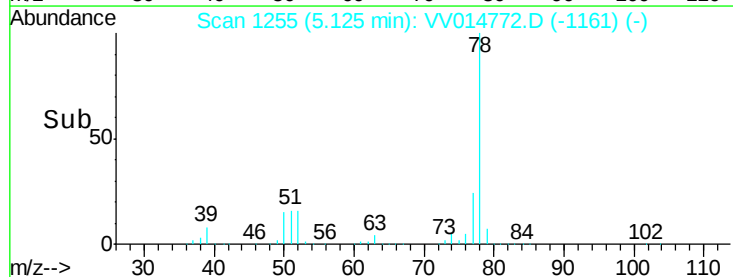
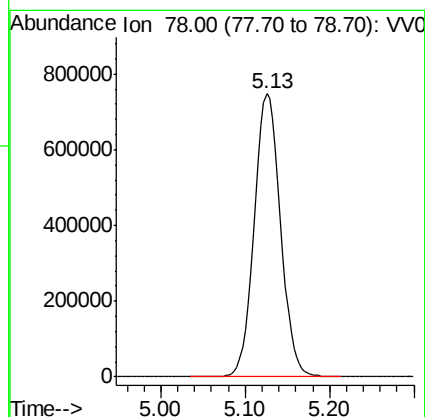
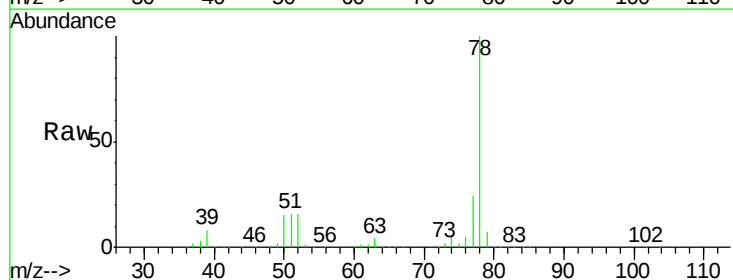
Instrument :
MSVOA_V
ClientSampled :
C0DK7

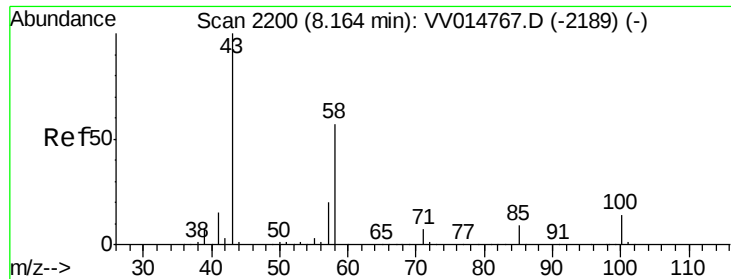
Tgt Ion: 83 Resp: 25878
Ion Ratio Lower Upper
83 100
85 68.8 45.1 83.9



#33
Benzene
Concen: 136.06 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VV014772.D
Acq: 09 Mar 2020 13:26

Tgt Ion: 78 Resp: 1618132

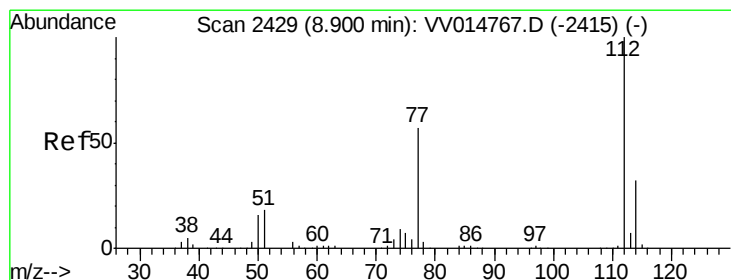
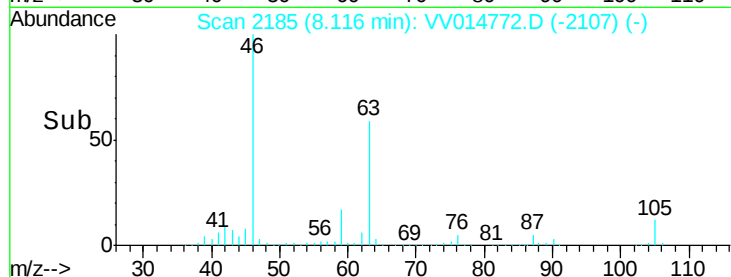
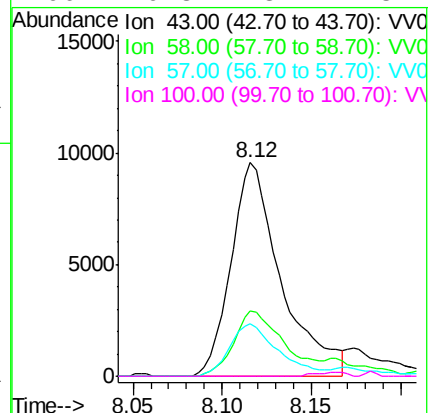
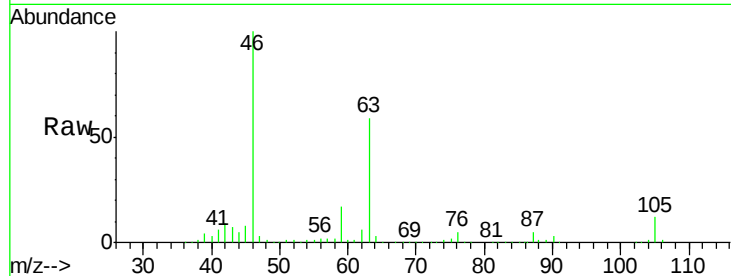




#48
2-Hexanone
Concen: 5.10 ug/L
RT: 8.12 min Scan# 2185
Delta R.T. -0.05 min
Lab File: VV014772.D
Acq: 09 Mar 2020 13:26

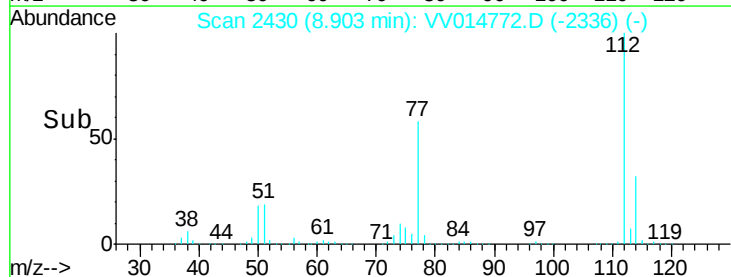
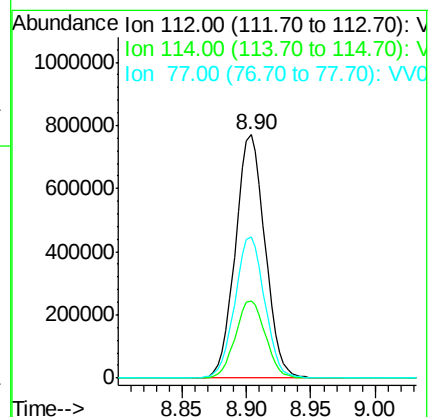
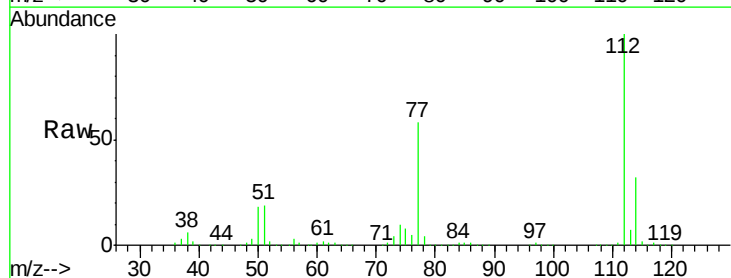
Instrument :
MSVOA_V
ClientSampleId :
C0DK7

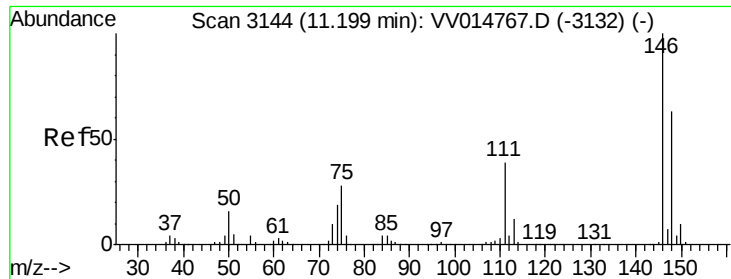
Tgt Ion:	43	Resp:	18677
Ion	Ratio	Lower	Upper
43	100		
58	30.5	43.3	64.9#
57	23.7	15.6	23.4#
100	0.3	8.7	13.1#



#51
Chlorobenzene
Concen: 146.14 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV014772.D
Acq: 09 Mar 2020 13:26

Tgt Ion:	112	Resp:	1233665
Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.1	41.1
77	57.9	47.8	71.8

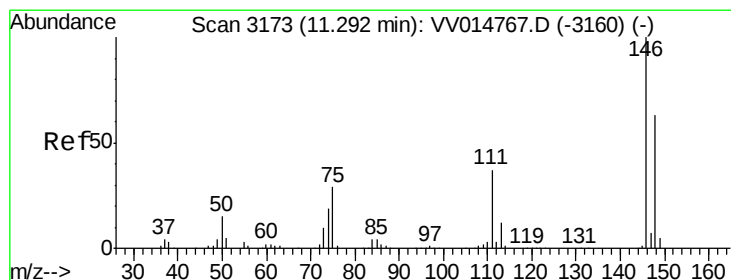
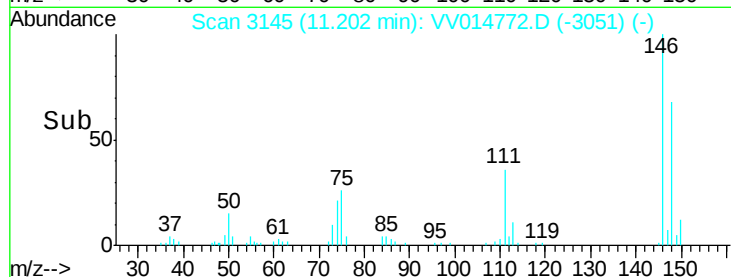
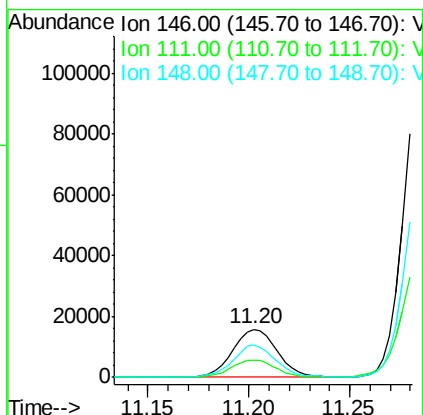
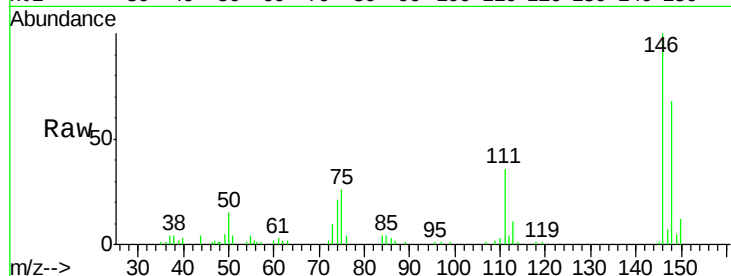




#62
 1,3-Dichlorobenzene
 Concen: 3.58 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV014772.D
 Acq: 09 Mar 2020 13:26

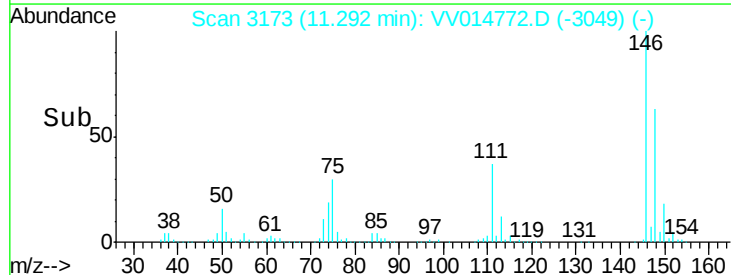
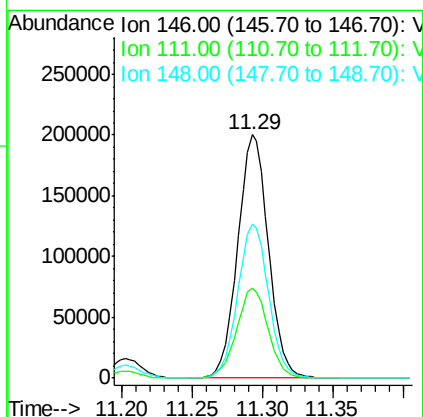
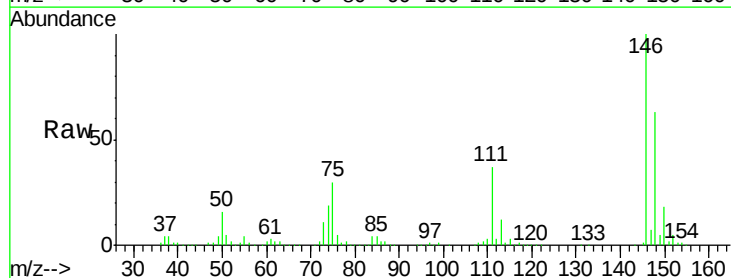
Instrument :
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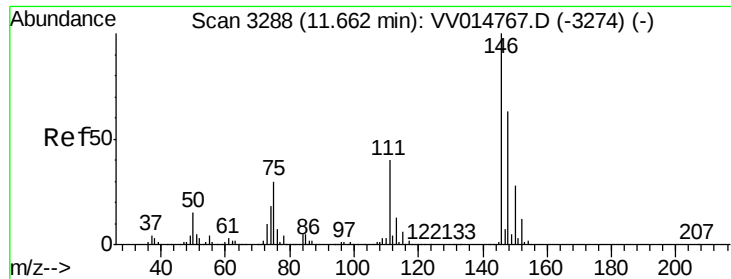
Tgt Ion:146 Resp: 24601
 Ion Ratio Lower Upper
 146 100
 111 35.9 27.2 50.4
 148 67.6 44.2 82.2



#63
 1,4-Dichlorobenzene
 Concen: 44.11 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV014772.D
 Acq: 09 Mar 2020 13:26

Tgt Ion:146 Resp: 305134
 Ion Ratio Lower Upper
 146 100
 111 37.2 26.3 48.9
 148 63.5 44.0 81.8

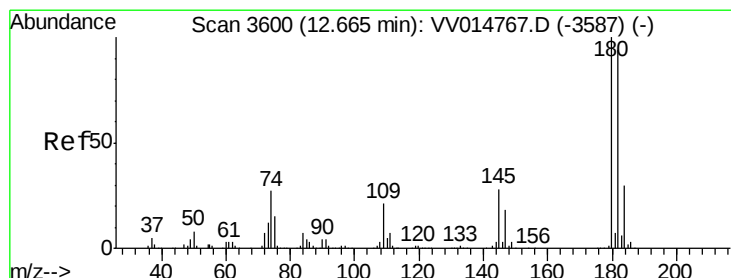
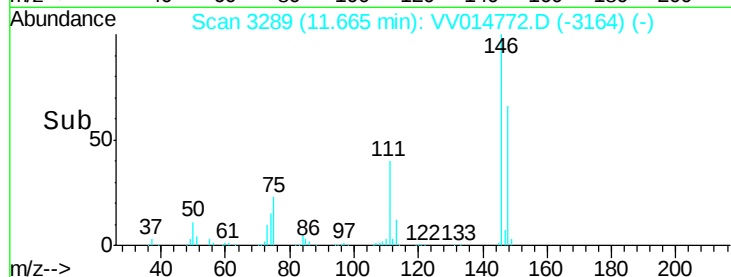
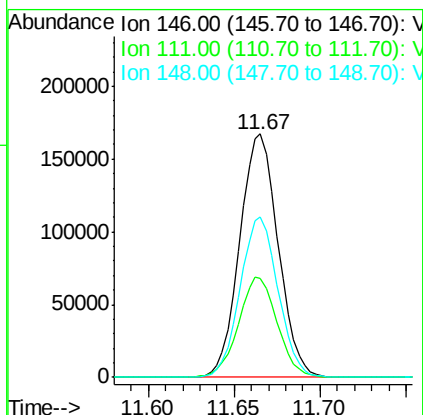
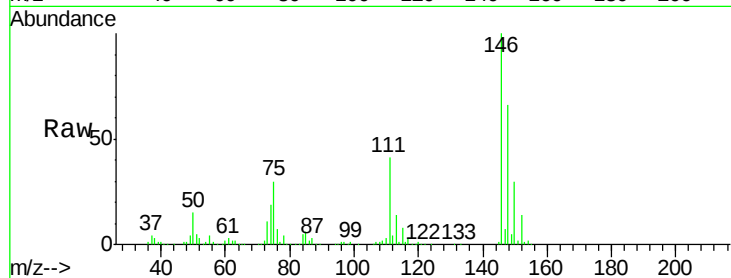




#65
 1,2-Dichlorobenzene
 Concen: 38.14 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV014772.D
 Acq: 09 Mar 2020 13:26

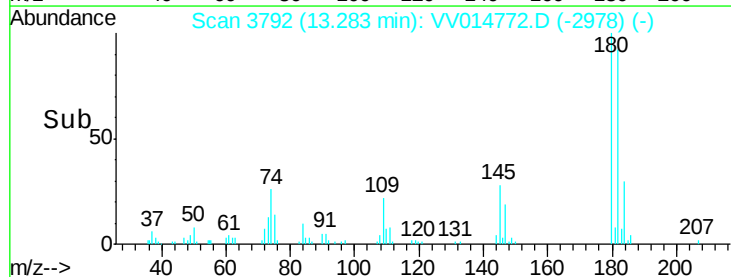
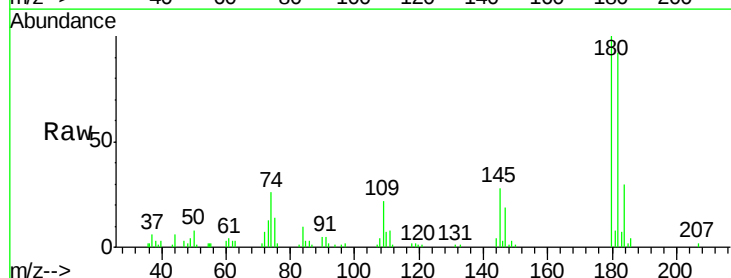
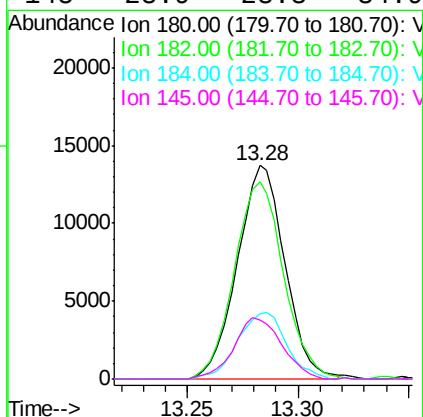
Instrument :
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 ClientSampled :
 C0DK7

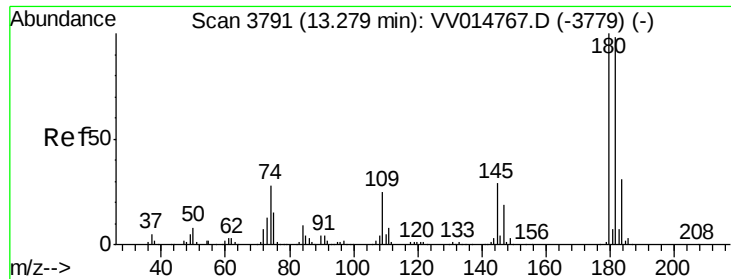
Tgt Ion:146 Resp: 260771
 Ion Ratio Lower Upper
 146 100
 111 40.7 33.9 50.9
 148 65.9 51.4 77.0



#67
 1,3,5-Trichlorobenzene
 Concen: 3.87 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.62 min
 Lab File: VV014772.D
 Acq: 09 Mar 2020 13:26

Tgt Ion:180 Resp: 20542
 Ion Ratio Lower Upper
 180 100
 182 95.7 75.6 113.4
 184 31.9 24.8 37.2
 145 28.9 23.3 34.9

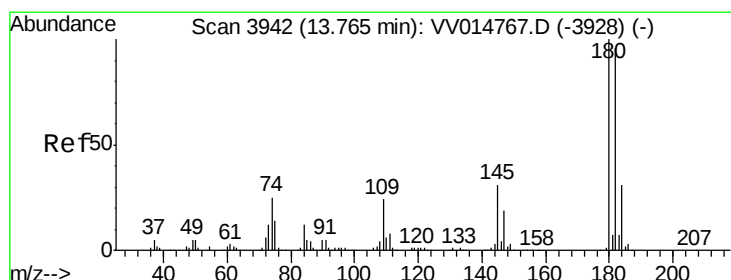
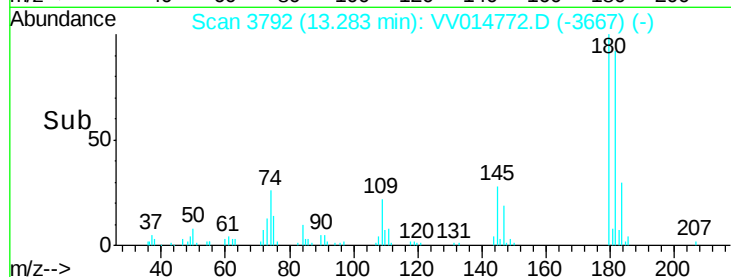
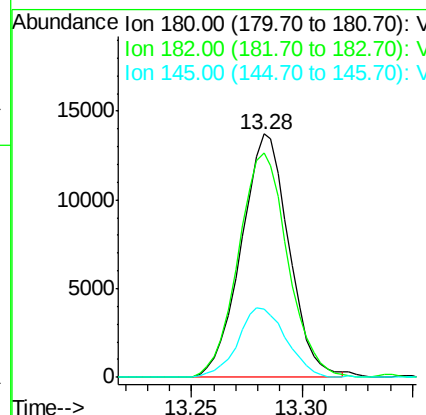
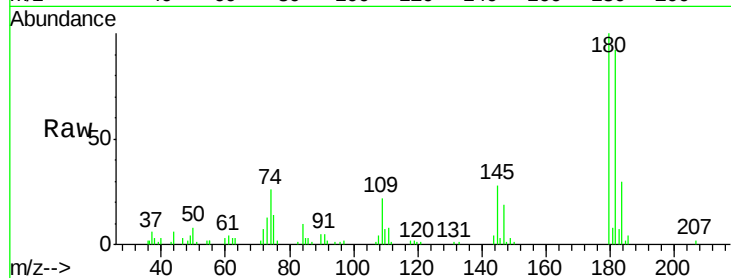




#68
 1,2,4-trichlorobenzene
 Concen: 4.21 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV014772.D
 Acq: 09 Mar 2020 13:26

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DK7

Tgt Ion:180 Resp: 20542
 Ion Ratio Lower Upper
 180 100
 182 95.7 76.6 114.8
 145 28.9 23.4 35.0



#70
 1,2,3-Trichlorobenzene
 Concen: 0.43 ug/L
 RT: 13.76 min Scan# 3942
 Delta R.T. 0.00 min
 Lab File: VV014772.D
 Acq: 09 Mar 2020 13:26

Tgt Ion:180 Resp: 2107
 Ion Ratio Lower Upper
 180 100
 182 100.9 76.5 114.7
 145 30.6 25.0 37.4

