

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112619\
 Data File : VV013783.D
 Acq On : 26 Nov 2019 13:28
 Operator : SY/MD
 Sample : K5993-03 50X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 27 01:21:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 27 01:18:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	349159	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	349295	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	159660	5.00	ug/L	0.00

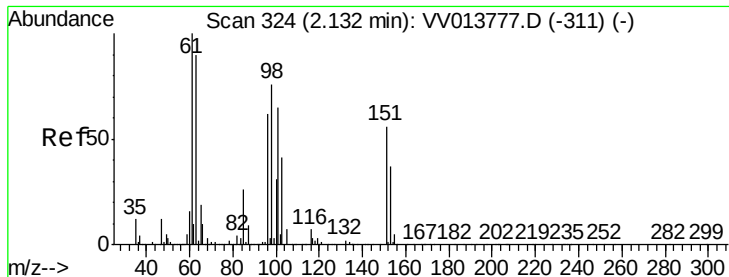
System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	86044	3.98	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.60%
7) Chloroethane-d5	1.58	69	85165	4.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.80%
11) 1,1-Dichloroethene-d2	2.13	63	121974	3.35	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.00%
20) 2-Butanone-d5	3.96	46	229722	51.13	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.26%
24) Chloroform-d	4.40	84	191864	4.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.00%
26) 1,2-Dichloroethane-d4	5.08	65	102955	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.20%
32) Benzene-d6	5.09	84	385523	4.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.60%
36) 1,2-Dichloropropane-d6	6.12	67	121919	4.54	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.80%
41) Toluene-d8	7.36	98	327227	3.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.40%
43) trans-1,3-Dichloropropene-	7.66	79	40536	3.88	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.60%
46) 2-Hexanone-d5	8.14	63	169320	43.91	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.82%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	90150	4.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	141576	5.02	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1432	0.074	ug/L #	33
12) 1,1-Dichloroethene	2.13	96	2106	0.125	ug/L #	1
25) Chloroform	4.43	83	10521	0.262	ug/L	98
35) Methylcyclohexane	6.12	83	29582	0.938	ug/L #	20
37) 1,2-Dichloropropane	6.11	63	14037	0.637	ug/L #	85
39) cis-1,3-Dichloropropene	7.03	75	2919	0.093	ug/L #	46
44) trans-1,3-Dichloropropene	7.66	75	1912	0.078	ug/L #	53
47) Tetrachloroethene	8.02	164	3469	0.169	ug/L	93
48) 2-Hexanone	8.19	43	10022	1.093	ug/L #	77
49) Dibromochloromethane	8.02	129	2743	0.136	ug/L #	10

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



#10

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

Concen: 0.074 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV013783.D

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Instrument :

MSVOA_V

ClientSampleId :

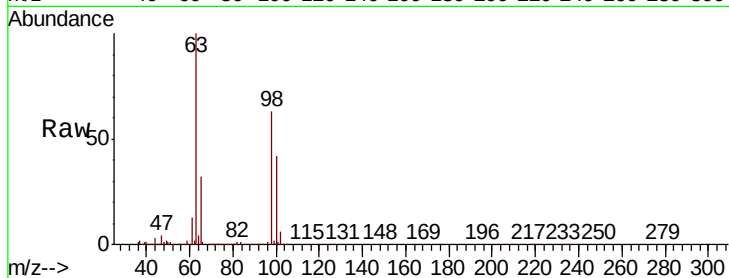
Tot Ion:101 Resp: 1432

Ion Ratio Lower Upper

101 100

85 18.6 33.4 50.0#

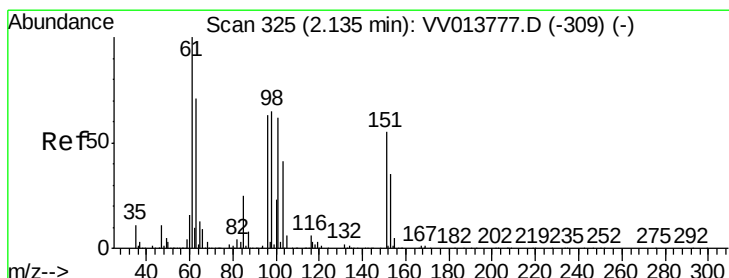
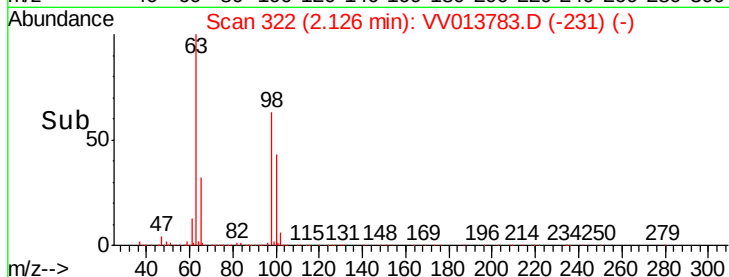
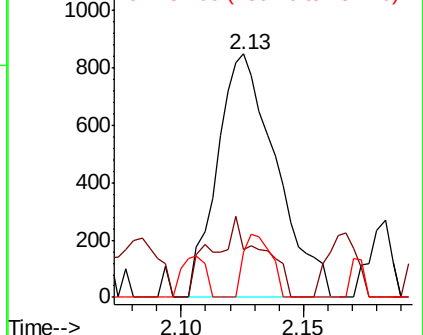
151 11.9 69.4 104.0#



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: 0.125 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV013783.D

Acq: 26 Nov 2019 13:28

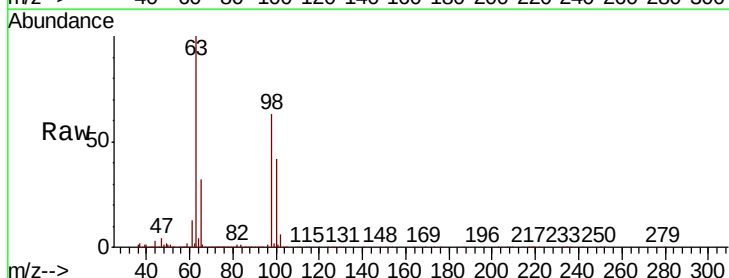
Tgt Ion: 96 Resp: 2106

Ion Ratio Lower Upper

96 100

61 1205.6 116.3 215.9#

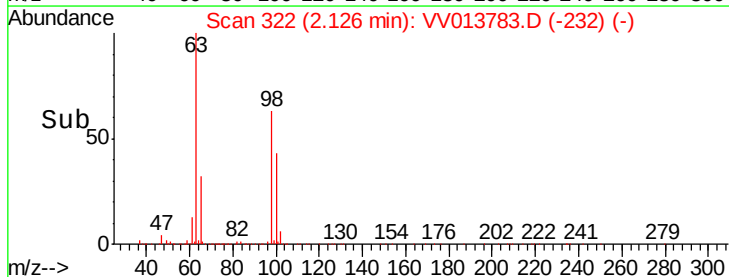
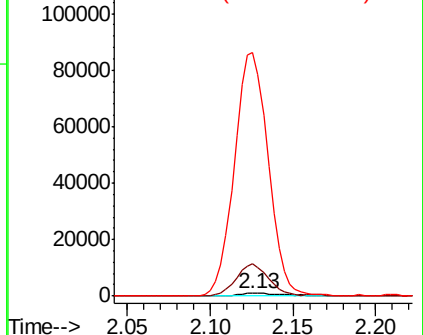
63 9226.6 96.7 179.7#

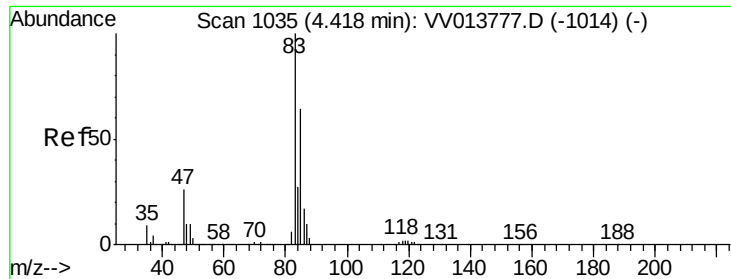


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0

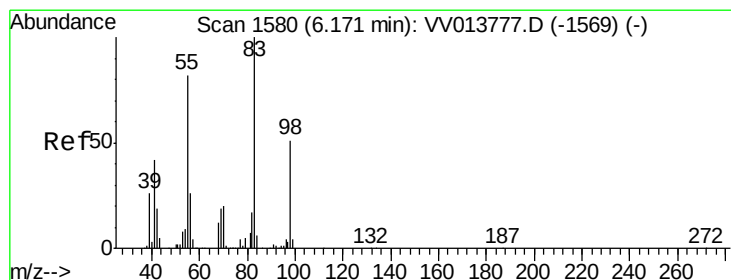
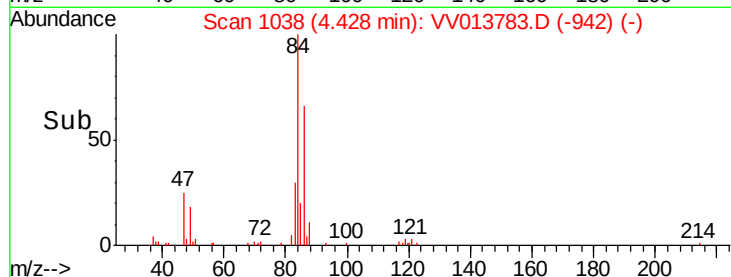
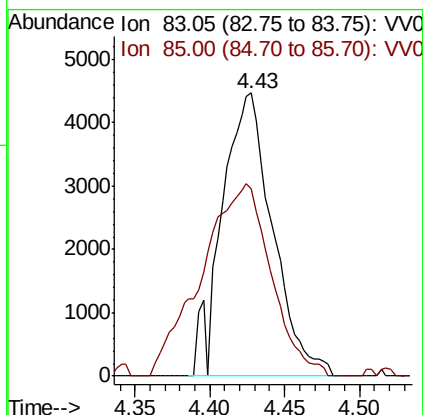
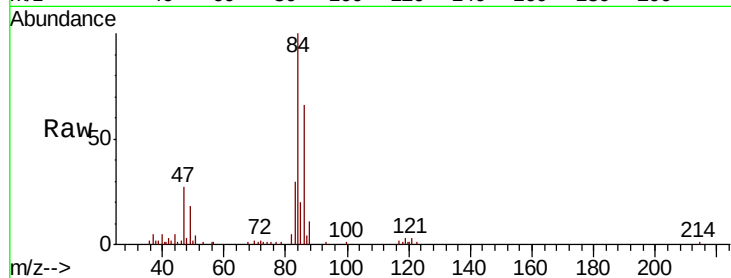




#25
Chloroform
Concen: 0.262 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.01 min
Lab File: VV013783.D
Acq: 26 Nov 2019 13:28

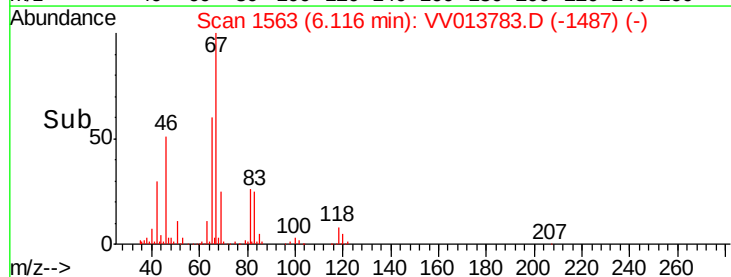
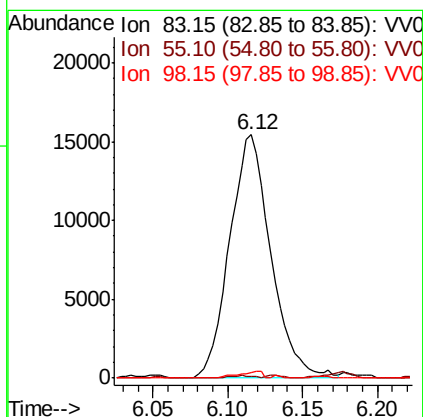
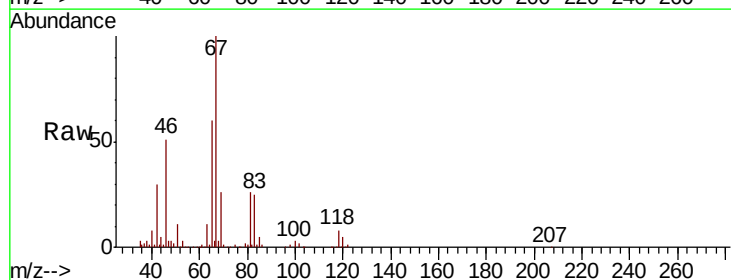
Instrument :
MSVOA_V
ClientSampleId :

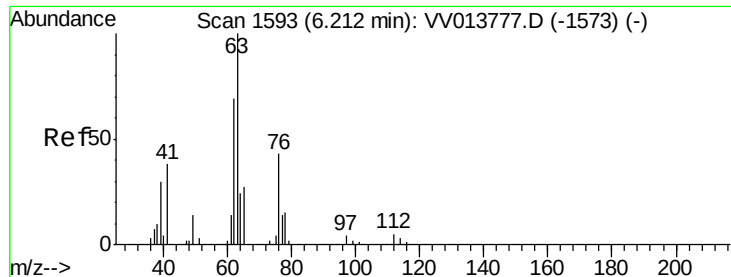
Tot Ion: 83 Resp: 10521
Ion Ratio Lower Upper
83 100
85 66.1 45.1 83.7



#35
Methylcyclohexane
Concen: 0.938 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.05 min
Lab File: VV013783.D
Acq: 26 Nov 2019 13:28

Tgt Ion: 83 Resp: 29582
Ion Ratio Lower Upper
83 100
55 0.6 60.3 90.5#
98 1.6 38.1 57.1#

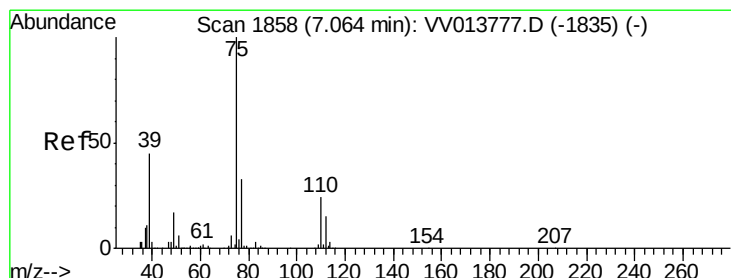
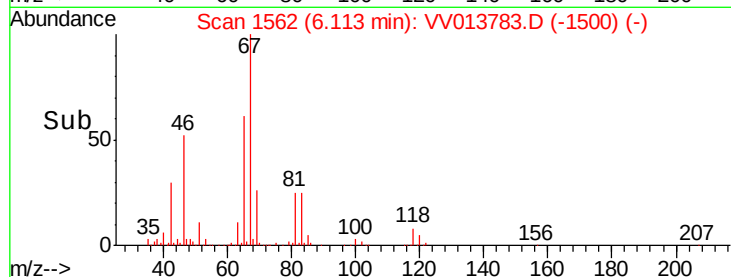
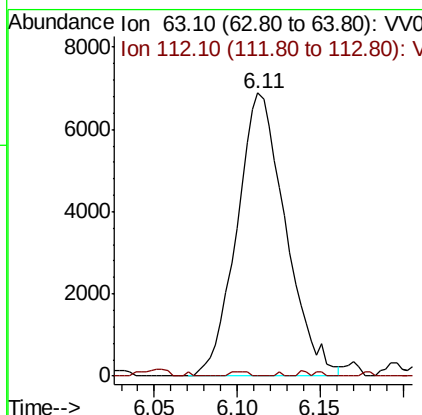
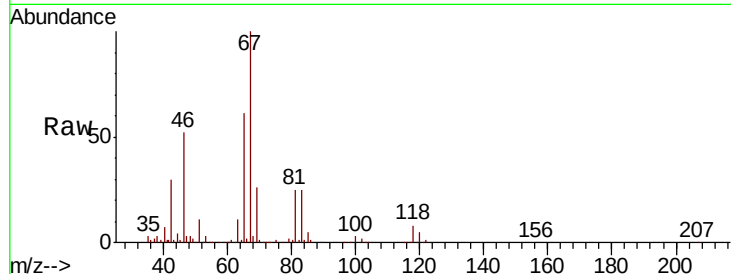




#37
 1,2-Dichloropropane
 Concen: 0.637 ug/L
 RT: 6.11 min Scan# 1562
 Delta R.T. -0.10 min
 Lab File: VV013783.D
 Acq: 26 Nov 2019 13:28

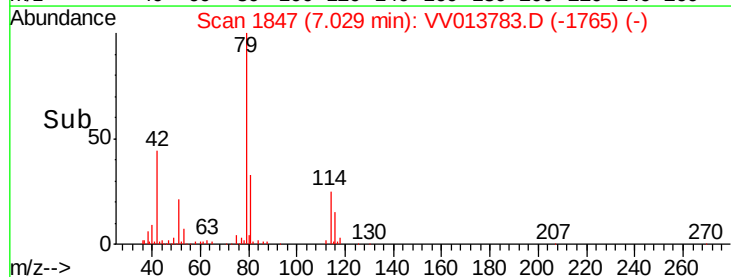
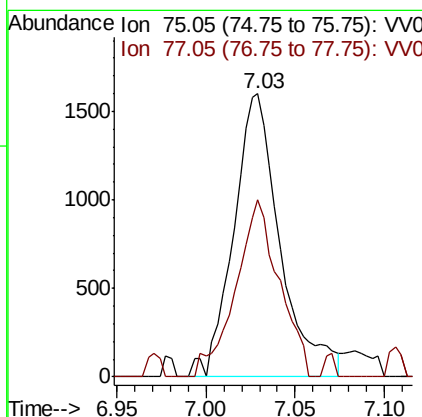
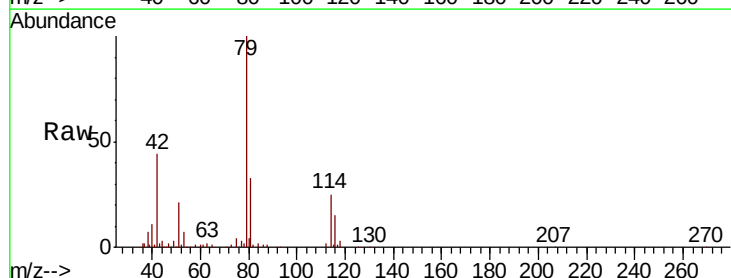
Instrument :
 MSVOA_V
 ClientSampleId :

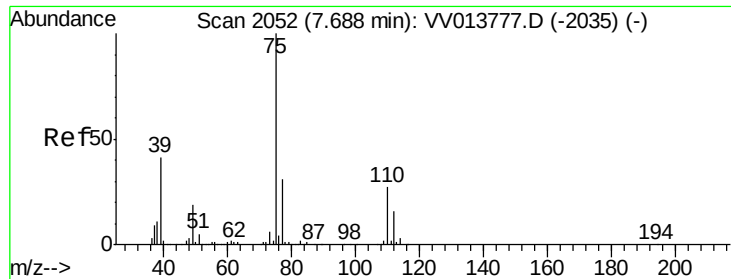
Tot Ion: 63 Resp: 14037
 Ion Ratio Lower Upper
 63 100
 112 0.6 4.4 6.6#



#39
 cis-1,3-Dichloropropene
 Concen: 0.093 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.04 min
 Lab File: VV013783.D
 Acq: 26 Nov 2019 13:28

Tgt Ion: 75 Resp: 2919
 Ion Ratio Lower Upper
 75 100
 77 62.5 22.5 41.9#





#44

trans-1,3-Dichloropropene

Concen: 0.078 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV013783.D

Acq: 26 Nov 2019 13:28

Instrument :

MSVOA_V

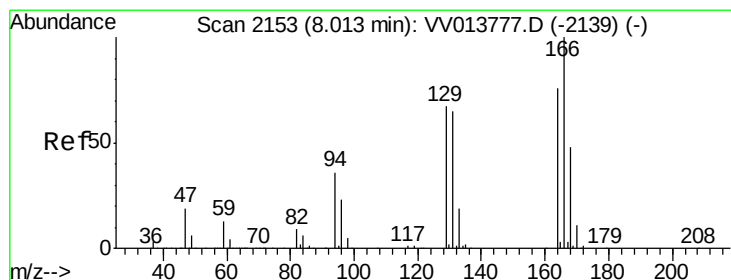
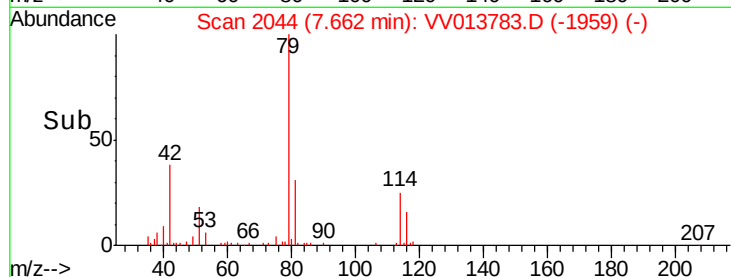
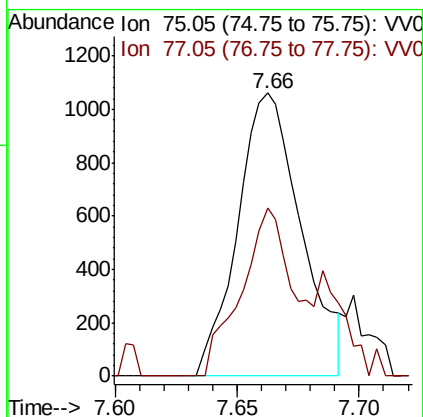
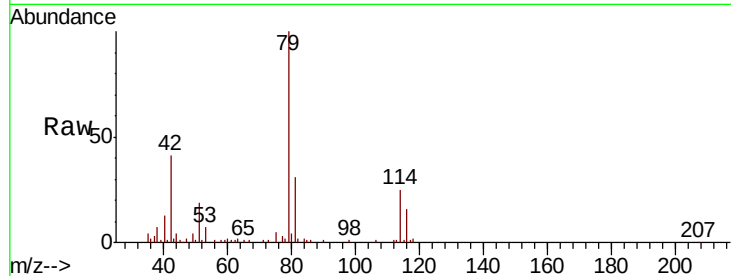
ClientSampleId :

Tot Ion: 75 Resp: 1912

Ion Ratio Lower Upper

75 100

77 59.4 23.0 42.8#



#47

Tetrachloroethene

Concen: 0.169 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.01 min

Lab File: VV013783.D

Acq: 26 Nov 2019 13:28

Tgt Ion: 164 Resp: 3469

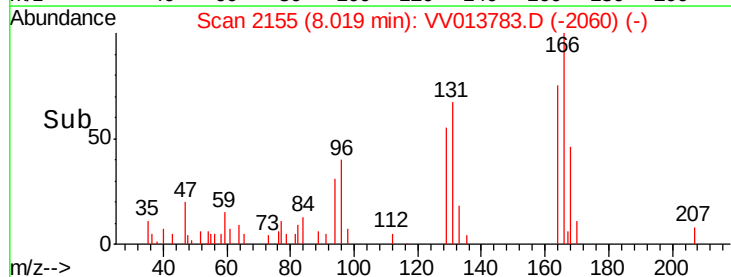
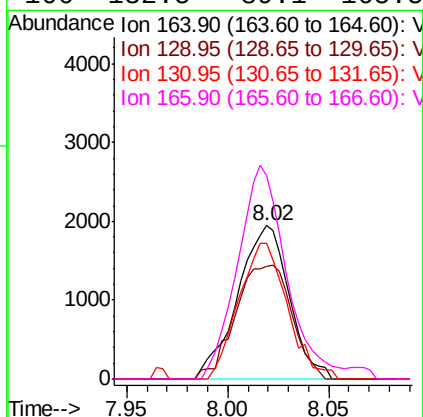
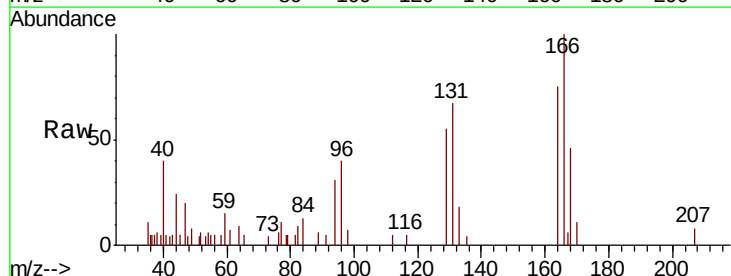
Ion Ratio Lower Upper

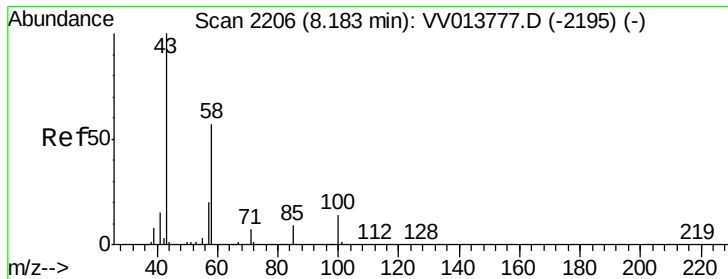
164 100

129 73.5 60.3 112.1

131 88.4 59.9 111.3

166 132.5 89.1 165.5

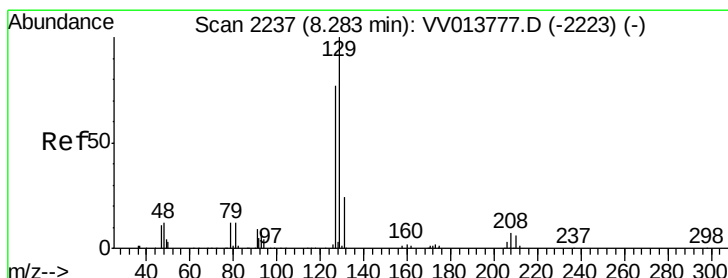
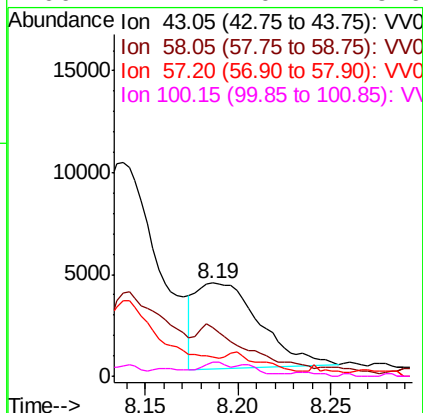
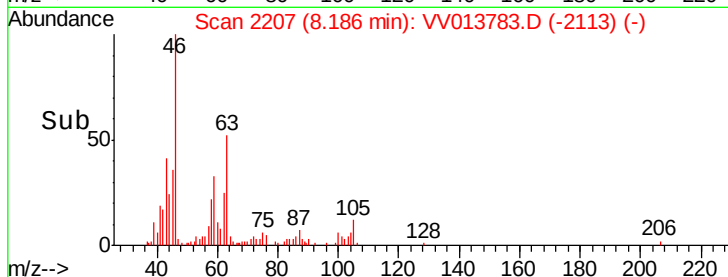
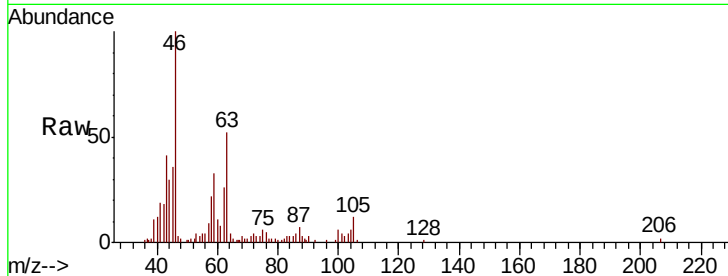




#48
2-Hexanone
Concen: 1.093 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV013783.D
Acq: 26 Nov 2019 13:28

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 10022
Ion Ratio Lower Upper
43 100
58 41.0 43.2 64.8#
57 0.0 15.4 23.2#
100 7.7 10.4 15.6#



#49
Dibromochloromethane
Concen: 0.136 ug/L
RT: 8.02 min Scan# 2156
Delta R.T. -0.26 min
Lab File: VV013783.D
Acq: 26 Nov 2019 13:28

Tgt Ion: 129 Resp: 2743
Ion Ratio Lower Upper
129 100
127 0.0 55.7 103.5#

