

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112619\
 Data File : VV013793.D
 Acq On : 26 Nov 2019 18:04
 Operator : SY/MD
 Sample : K5993-04MS
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 27 03:12:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 27 03:09:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	339282	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	315799	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	136159	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	82356	3.92	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.40%
7) Chloroethane-d5	1.58	69	77501	4.35	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.00%
11) 1,1-Dichloroethene-d2	2.13	63	183763	5.20	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	104.00%
20) 2-Butanone-d5	3.96	46	248495	56.92	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.84%
24) Chloroform-d	4.40	84	166860	3.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.80%
26) 1,2-Dichloroethane-d4	5.08	65	101243	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.40%
32) Benzene-d6	5.09	84	367186	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.20%
36) 1,2-Dichloropropane-d6	6.11	67	117458	4.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.80%
41) Toluene-d8	7.36	98	301382	3.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.80%
43) trans-1,3-Dichloropropene-	7.66	79	42052	4.45	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.00%
46) 2-Hexanone-d5	8.14	63	186719	53.56	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.12%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	89480	5.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	122650	5.10	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.32	64	2545	0.208	ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1517	0.081	ug/L #	21
12) 1,1-Dichloroethene	2.14	96	134773	8.262	ug/L #	79
21) 2-Butanone	4.13	43	575767	124.778	ug/L #	51
25) Chloroform	4.42	83	30659	0.786	ug/L	100
27) 1,2-Dichloroethane	5.09	62	1849	0.083	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	23744	0.735	ug/L	98
33) Benzene	5.14	78	499970	6.454	ug/L	100
34) Trichloroethene	5.96	95	127448	5.964	ug/L	98
35) Methylcyclohexane	6.11	83	28680	1.006	ug/L #	20
37) 1,2-Dichloropropane	6.11	63	13447	0.675	ug/L #	85
42) Toluene	7.43	91	508884	6.124	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	1800	0.081	ug/L #	74
47) Tetrachloroethene	8.02	164	134467	7.247	ug/L	98
48) 2-Hexanone	8.19	43	8750	1.055	ug/L #	46
49) Dibromochloromethane	8.01	129	111617	6.134	ug/L #	10
51) Chlorobenzene	8.92	112	333432	5.767	ug/L	100

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Response via : Initial Calibration

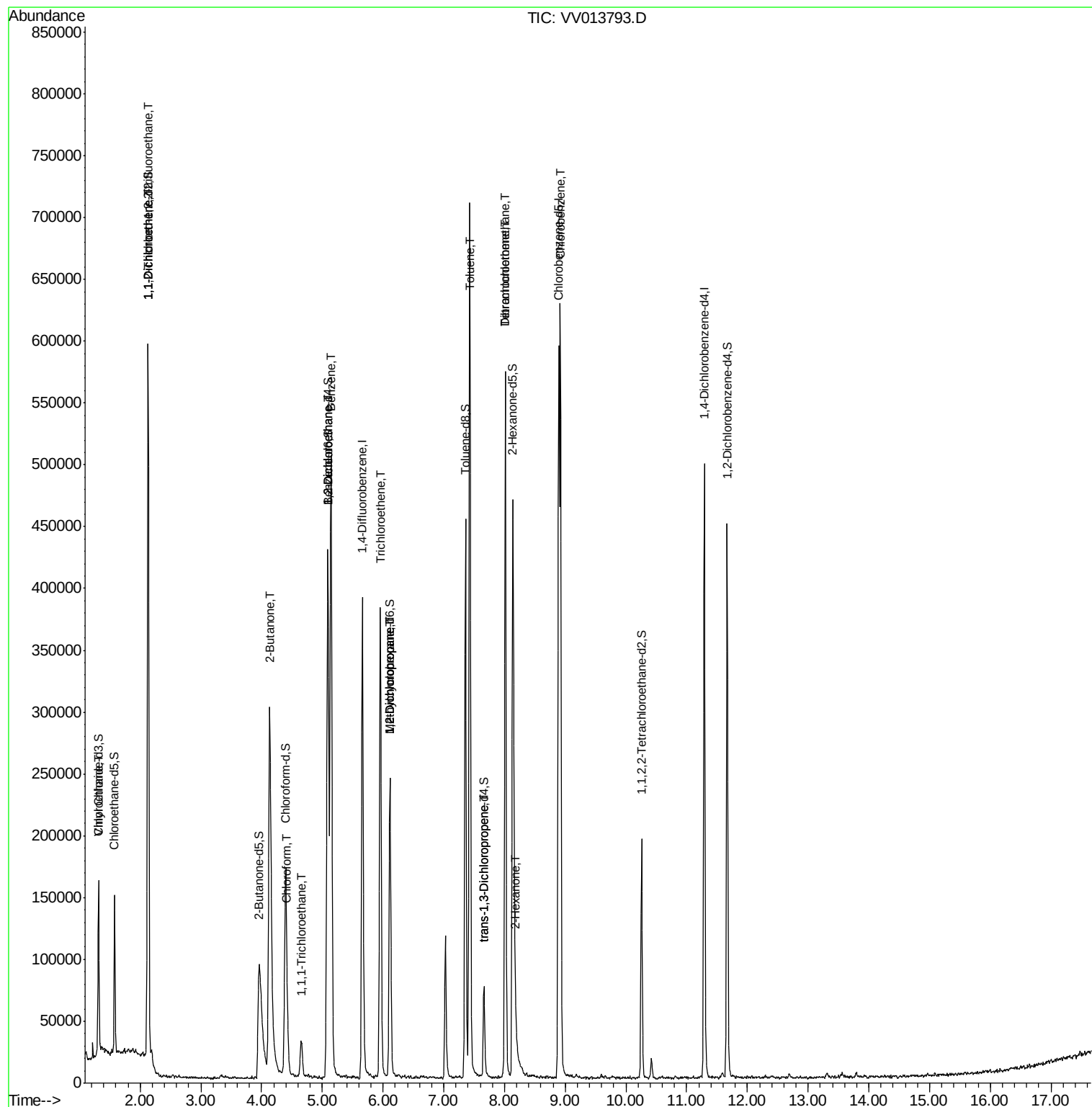
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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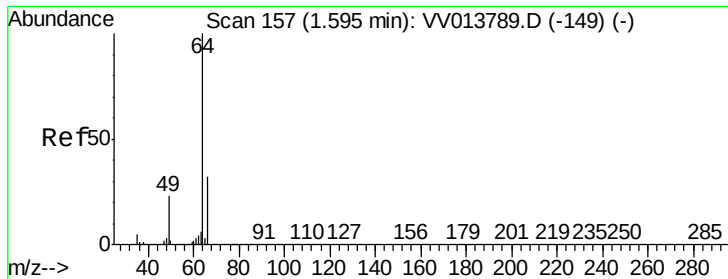
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 0.208 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.28 min

Lab File: VV013793.D

Acq: 26 Nov 2019 18:04

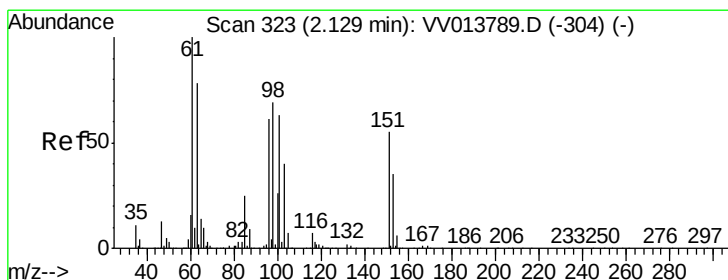
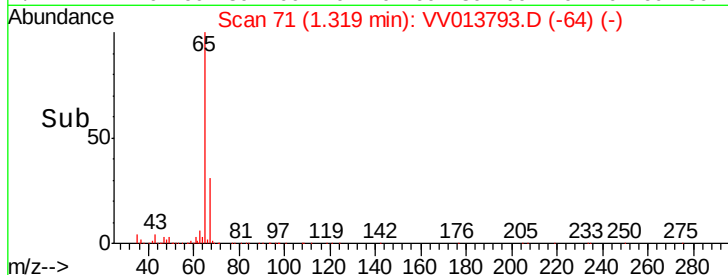
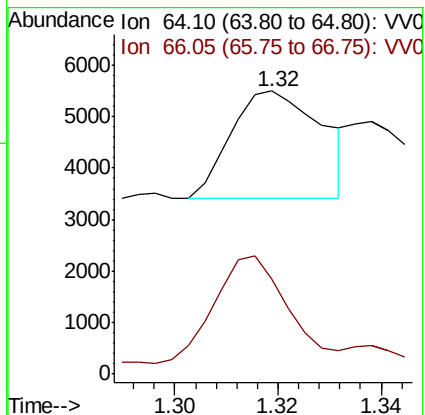
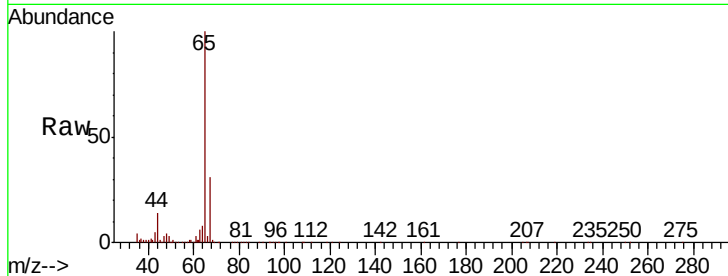
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 2545

Ion Ratio Lower Upper

64 100

66 33.8 22.6 42.0



#10

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

Concen: 0.081 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV013793.D

Acq: 26 Nov 2019 18:04

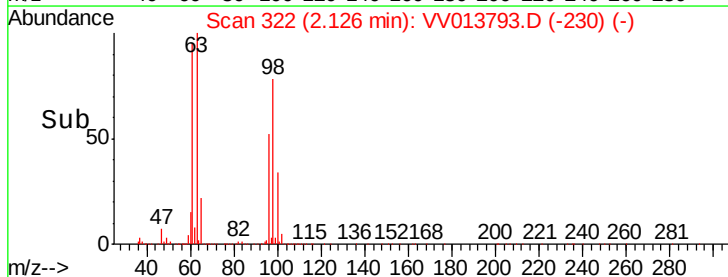
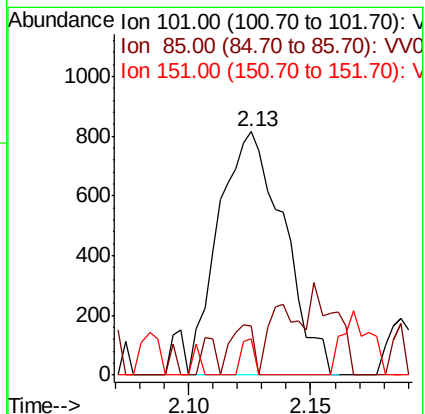
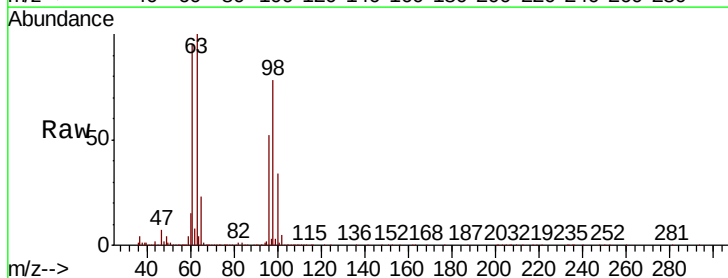
Tgt Ion: 101 Resp: 1517

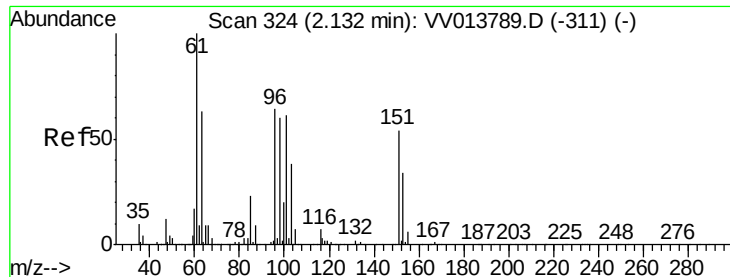
Ion Ratio Lower Upper

101 100

85 7.4 33.4 50.0#

151 3.0 69.4 104.0#

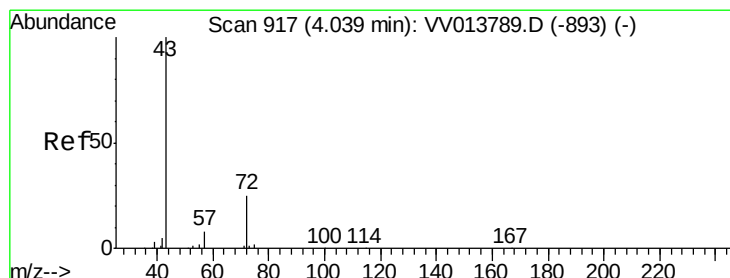
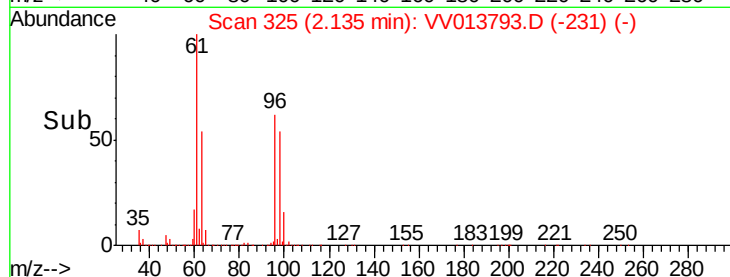
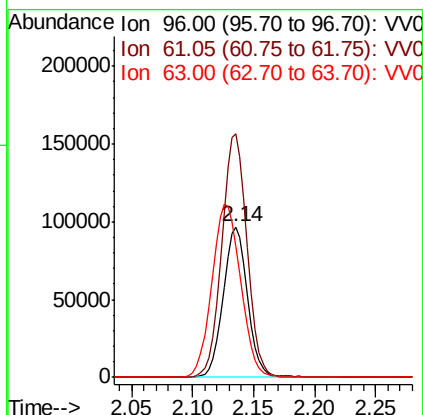
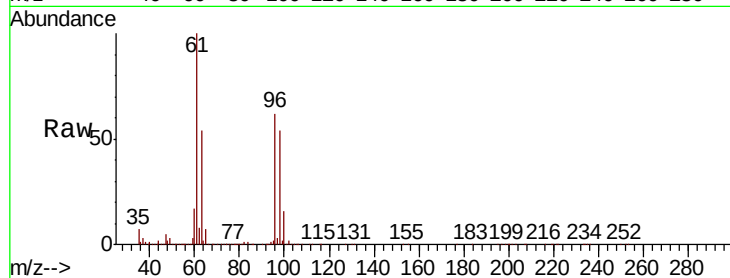




#12
 1,1-Dichloroethene
 Concen: 8.262 ug/L
 RT: 2.14 min Scan# 325
 Delta R.T. 0.00 min
 Lab File: VV013793.D
 Acq: 26 Nov 2019 18:04

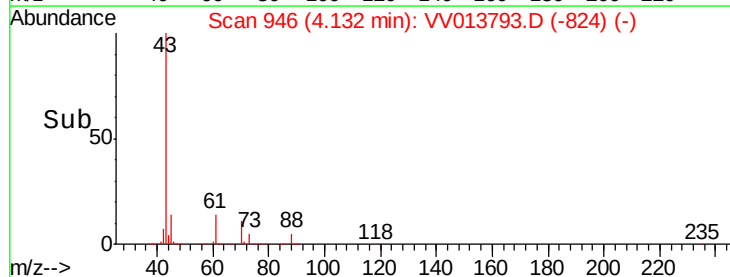
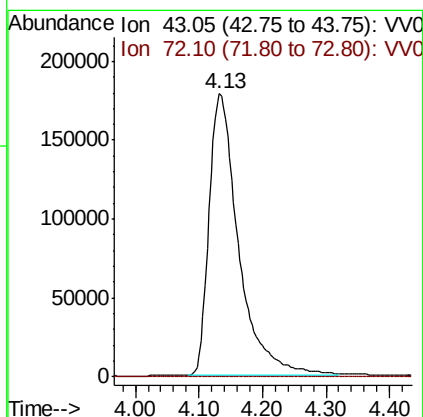
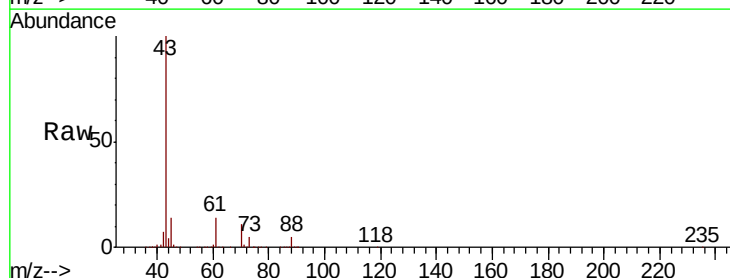
Instrument :
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 ClientSampleId :

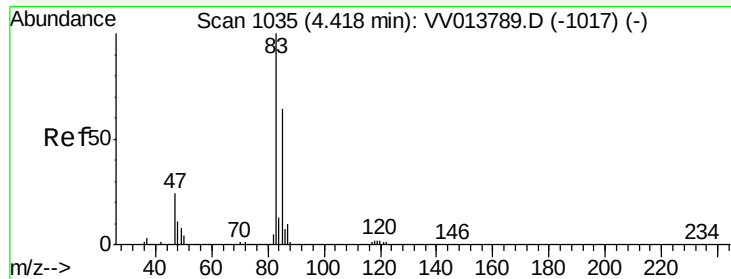
Tot Ion: 96 Resp: 134773
 Ion Ratio Lower Upper
 96 100
 61 161.5 116.3 215.9
 63 86.7 96.7 179.7#



#21
 2-Butanone
 Concen: 124.778 ug/L
 RT: 4.13 min Scan# 946
 Delta R.T. 0.09 min
 Lab File: VV013793.D
 Acq: 26 Nov 2019 18:04

Tgt Ion: 43 Resp: 575767
 Ion Ratio Lower Upper
 43 100
 72 0.1 12.3 36.9#

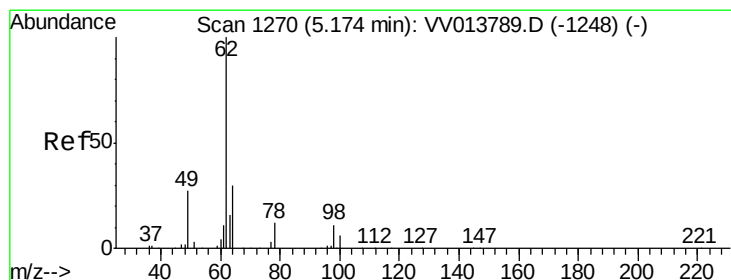
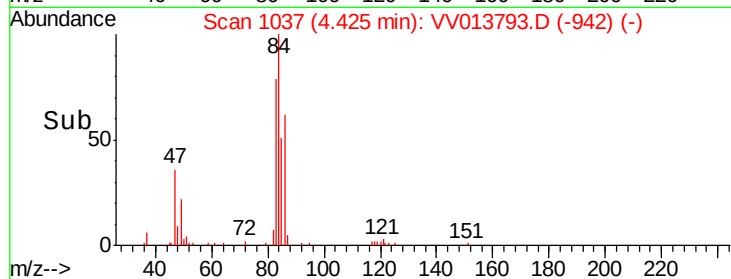
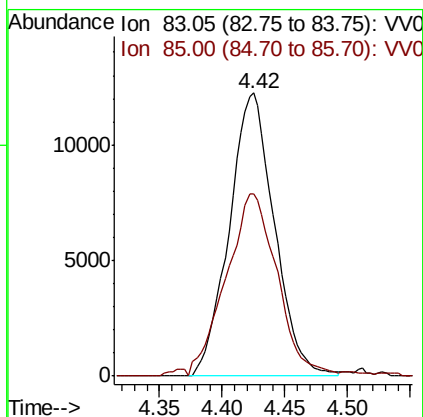
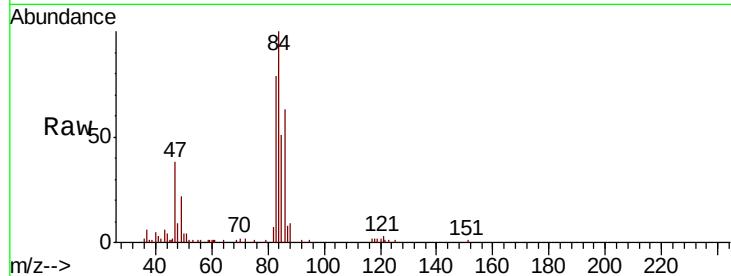




#25
Chloroform
Concen: 0.786 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.01 min
Lab File: VV013793.D
Acq: 26 Nov 2019 18:04

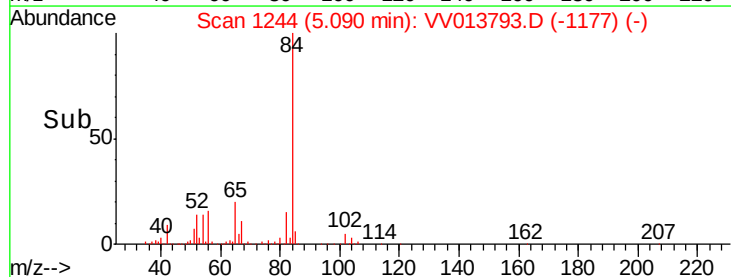
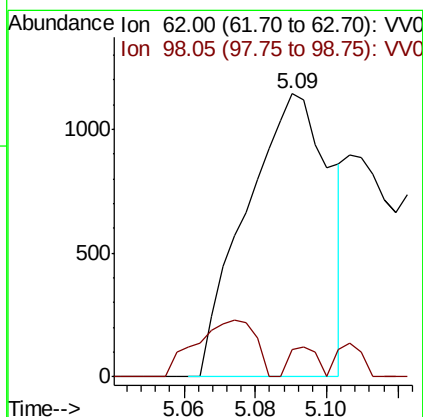
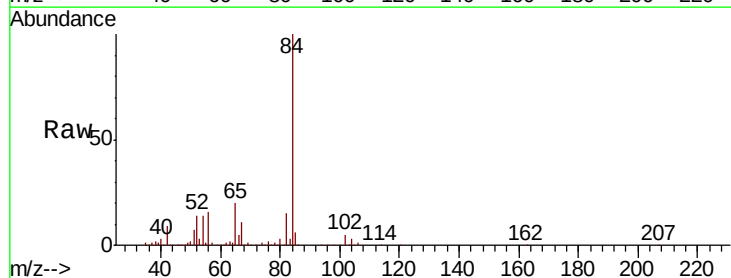
Instrument :
MSVOA_V
ClientSampled :

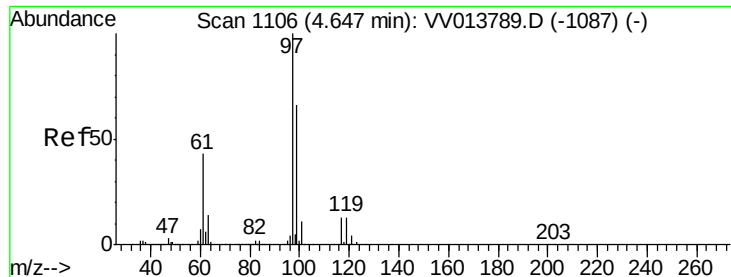
Tot Ion: 83 Resp: 30659
Ion Ratio Lower Upper
83 100
85 64.4 45.1 83.7



#27
1,2-Dichloroethane
Concen: 0.083 ug/L
RT: 5.09 min Scan# 1244
Delta R.T. -0.08 min
Lab File: VV013793.D
Acq: 26 Nov 2019 18:04

Tgt Ion: 62 Resp: 1849
Ion Ratio Lower Upper
62 100
98 9.8 8.2 12.2

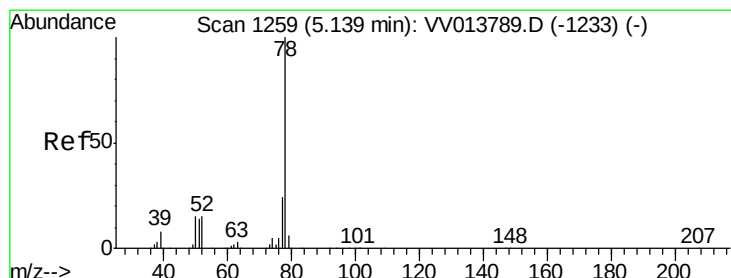
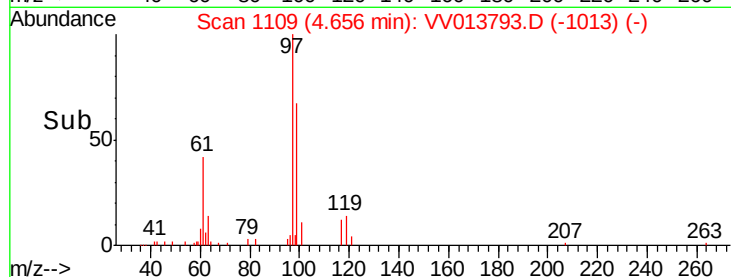
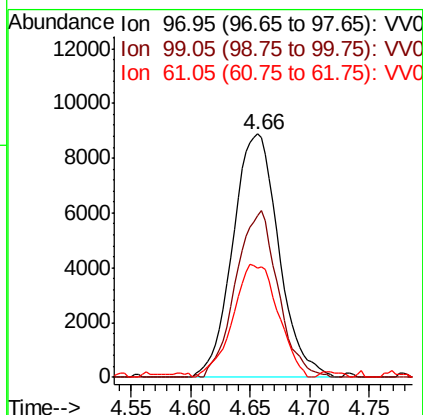
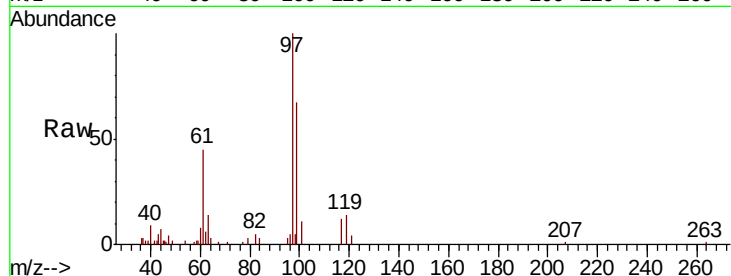




#29
 1,1,1-Trichloroethane
 Concen: 0.735 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. 0.01 min
 Lab File: VV013793.D
 Acq: 26 Nov 2019 18:04

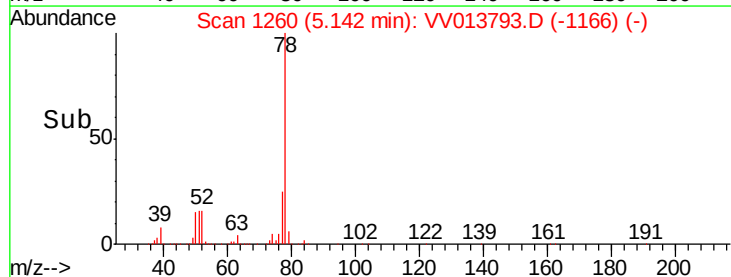
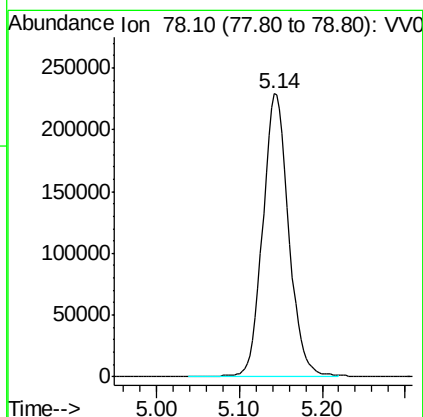
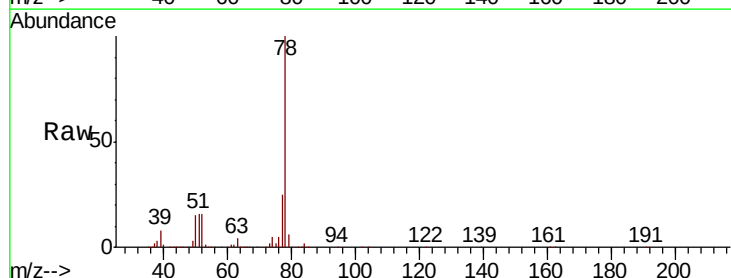
Instrument :
 MSVOA_V
 ClientSampleId :

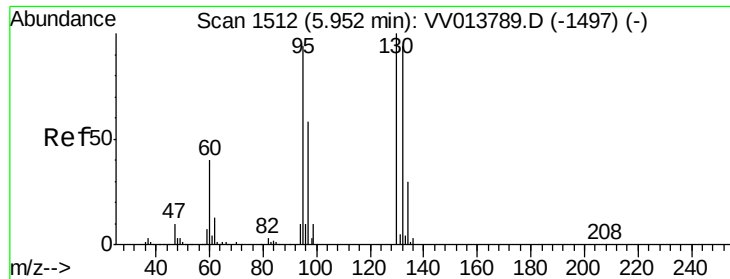
Tot Ion: 97 Resp: 23744
 Ion Ratio Lower Upper
 97 100
 99 63.1 51.7 77.5
 61 45.7 35.0 52.6



#33
 Benzene
 Concen: 6.454 ug/L
 RT: 5.14 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VV013793.D
 Acq: 26 Nov 2019 18:04

Tgt Ion: 78 Resp: 499970

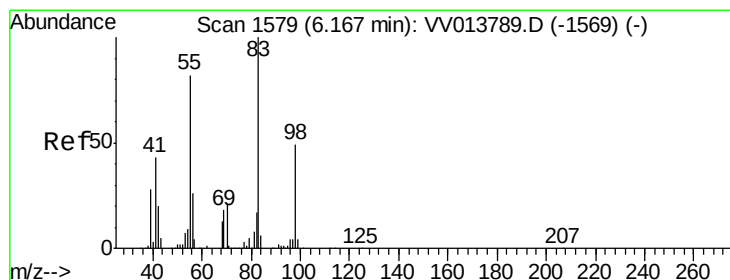
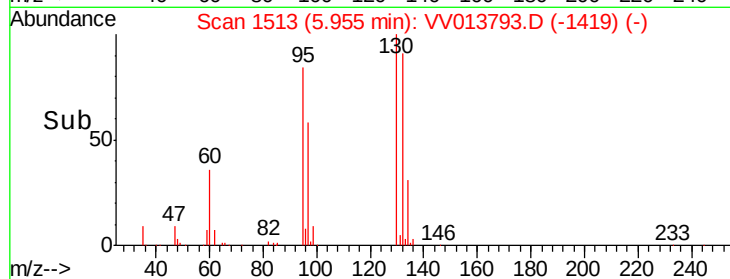
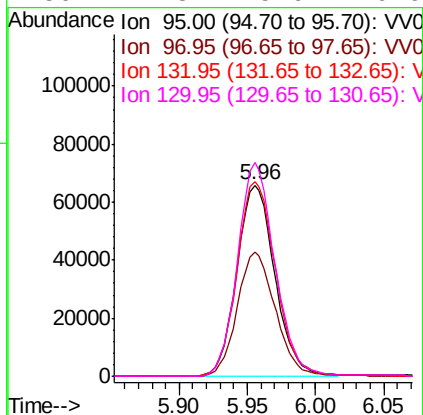
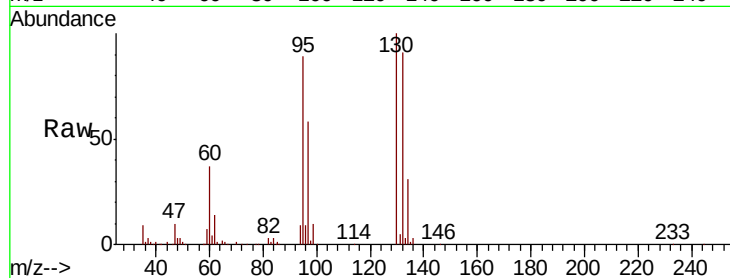




#34
 Trichloroethene
 Concen: 5.964 ug/L
 RT: 5.96 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VV013793.D
 Acq: 26 Nov 2019 18:04

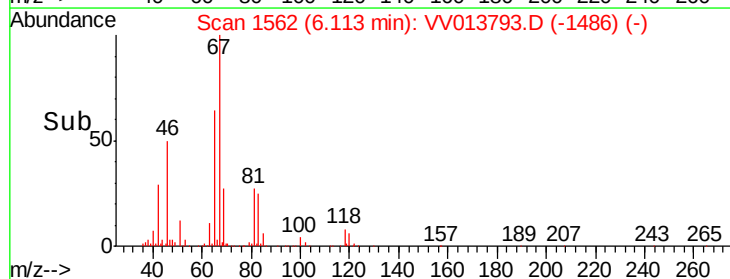
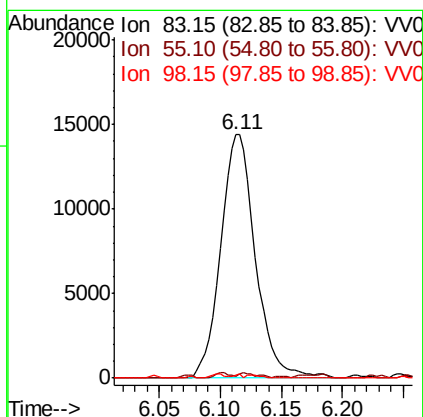
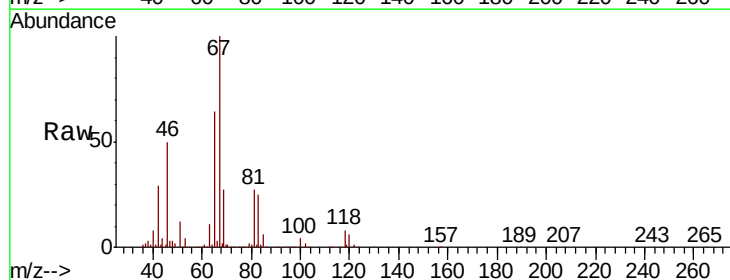
Instrument :
 MSVOA_V
 ClientSampled :

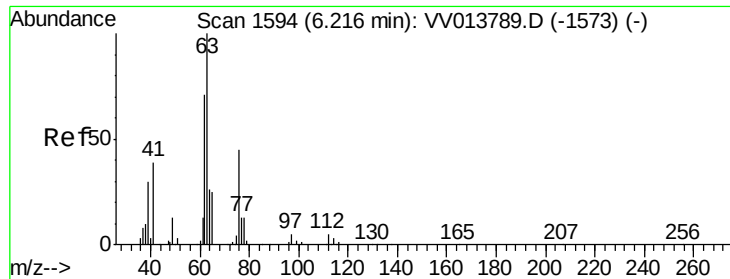
Tot Ion: 95 Resp: 127448
 Ion Ratio Lower Upper
 95 100
 97 65.1 45.6 84.8
 132 101.9 70.5 130.9
 130 111.8 75.9 140.9



#35
 Methylcyclohexane
 Concen: 1.006 ug/L
 RT: 6.11 min Scan# 1562
 Delta R.T. -0.05 min
 Lab File: VV013793.D
 Acq: 26 Nov 2019 18:04

Tgt Ion: 83 Resp: 28680
 Ion Ratio Lower Upper
 83 100
 55 1.1 60.3 90.5#
 98 0.5 38.1 57.1#





#37

1,2-Dichloropropane

Concen: 0.675 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.10 min

Lab File: VV013793.D

Acq: 26 Nov 2019 18:04

Instrument :

MSVOA_V

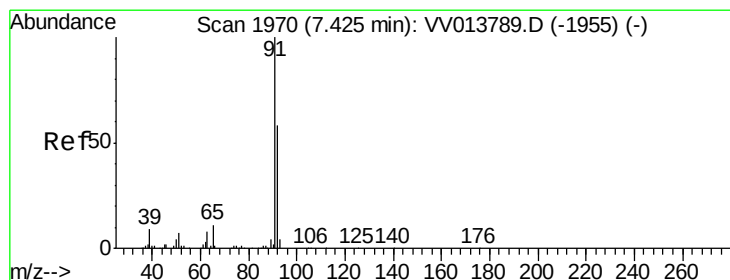
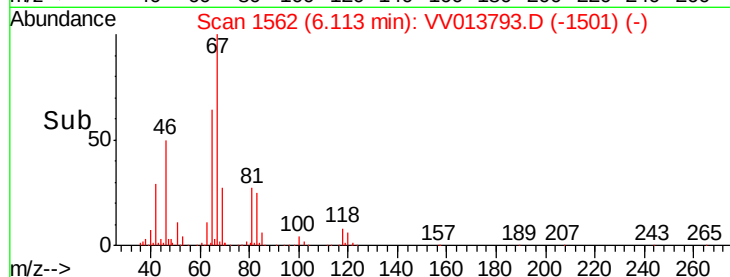
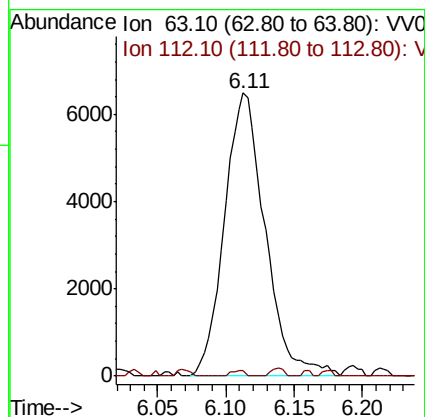
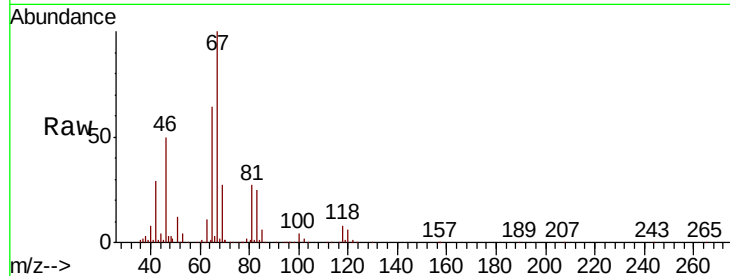
ClientSampleId :

Tot Ion: 63 Resp: 13447

Ion Ratio Lower Upper

63 100

112 0.6 4.4 6.6#



#42

Toluene

Concen: 6.124 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV013793.D

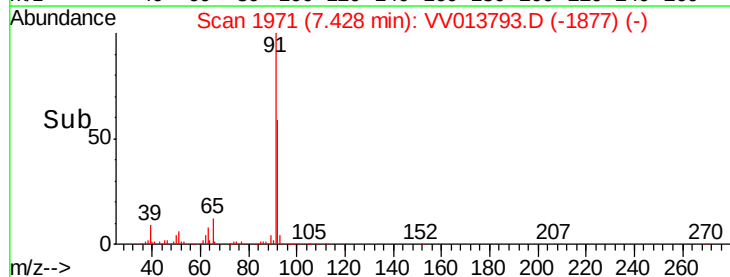
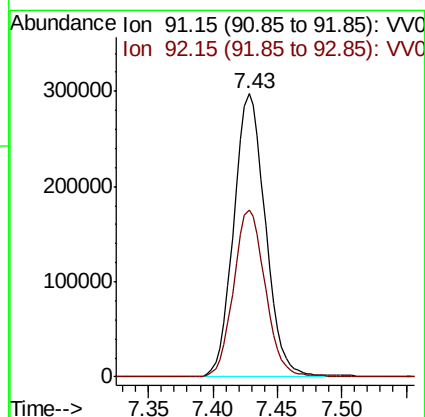
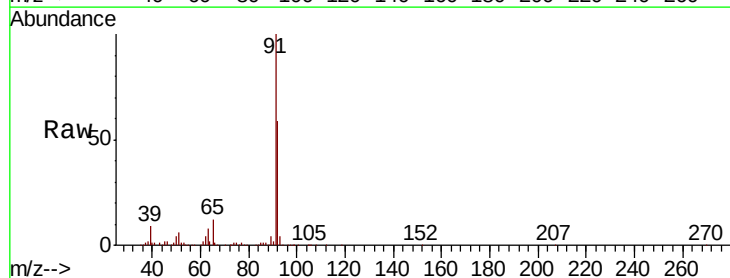
Acq: 26 Nov 2019 18:04

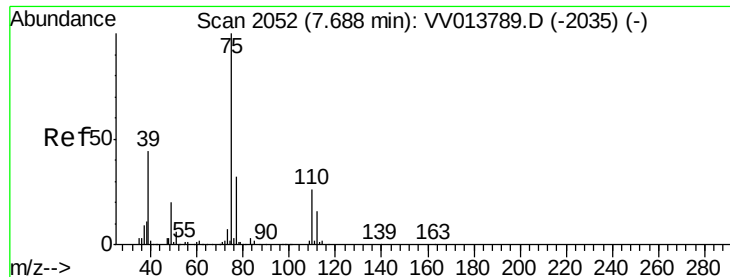
Tgt Ion: 91 Resp: 508884

Ion Ratio Lower Upper

91 100

92 59.0 41.1 76.3





#44

trans-1,3-Dichloropropene

Concen: 0.081 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.02 min

Lab File: VV013793.D

Acq: 26 Nov 2019 18:04

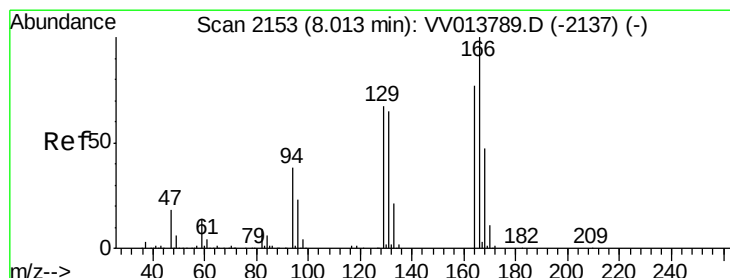
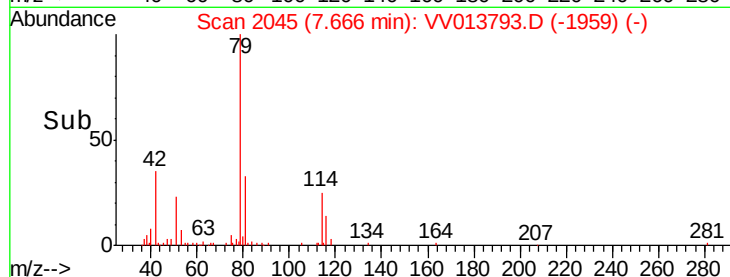
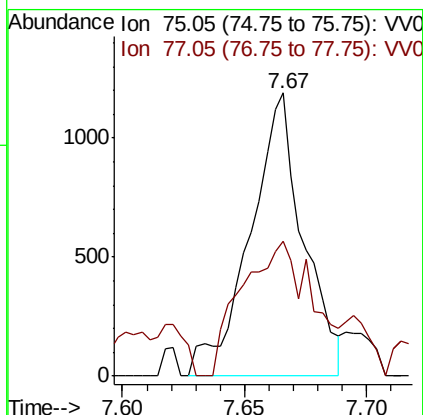
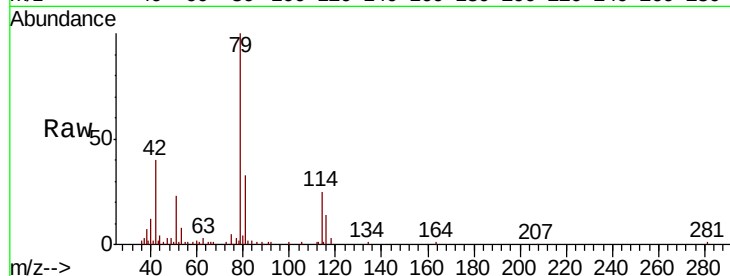
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 75 Resp: 1800

Ion Ratio Lower Upper

75 100

77 47.5 23.0 42.8#



#47

Tetrachloroethene

Concen: 7.247 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV013793.D

Acq: 26 Nov 2019 18:04

Tgt Ion:164 Resp: 134467

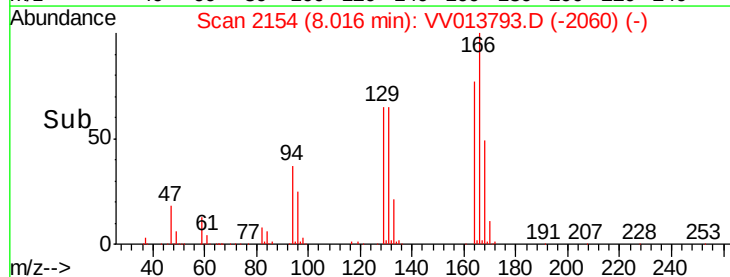
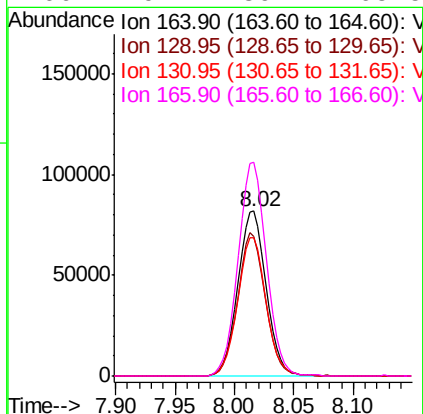
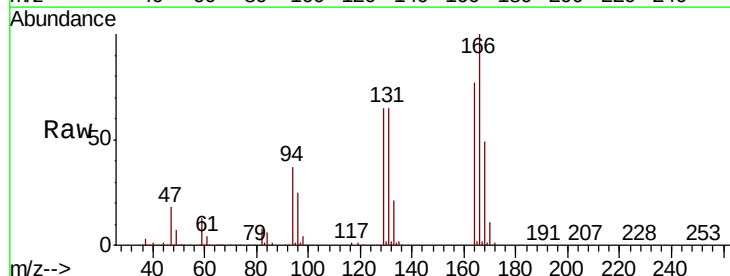
Ion Ratio Lower Upper

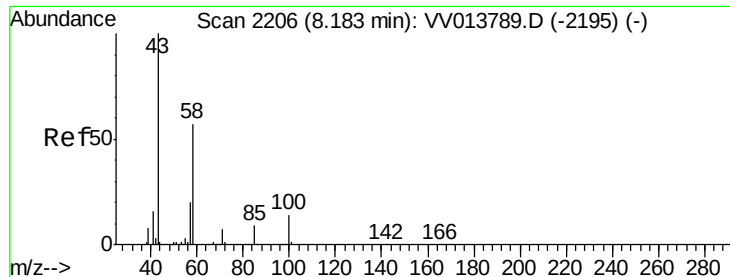
164 100

129 84.9 60.3 112.1

131 84.2 59.9 111.3

166 129.7 89.1 165.5

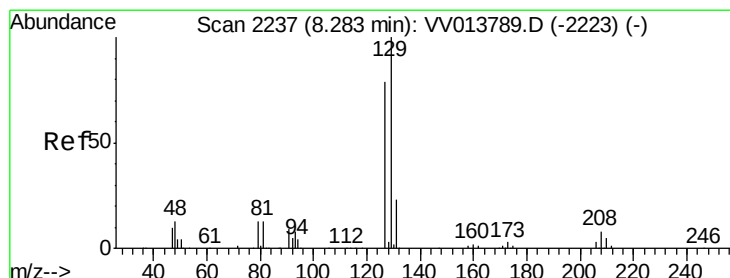
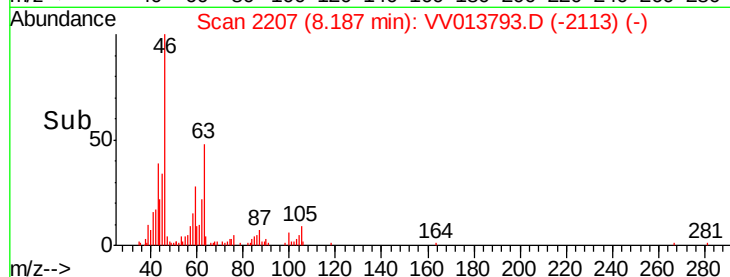
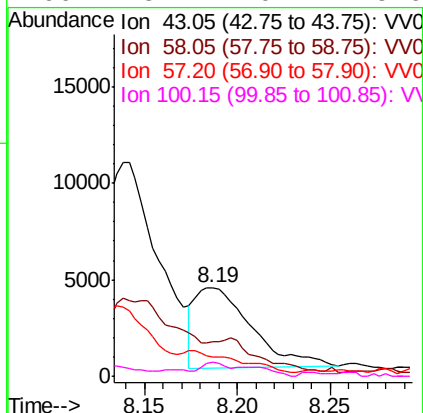
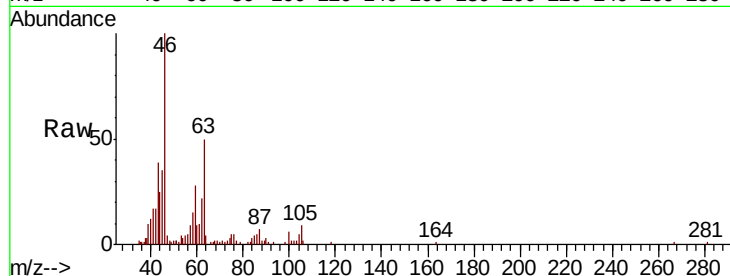




#48
2-Hexanone
Concen: 1.055 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV013793.D
Acq: 26 Nov 2019 18:04

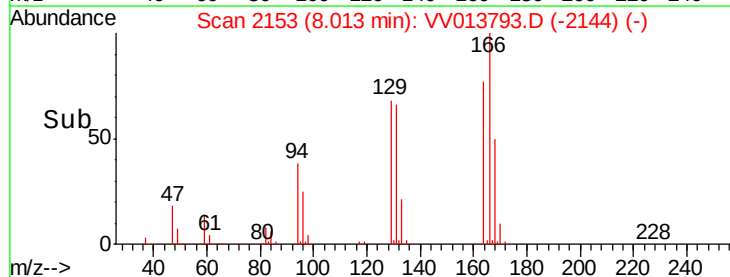
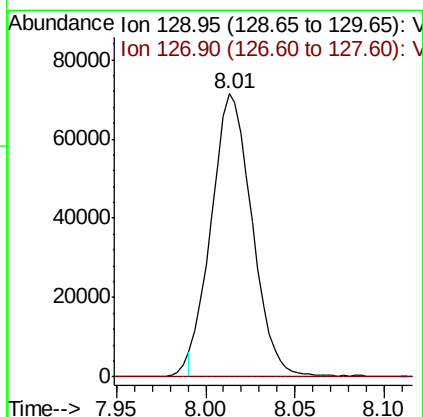
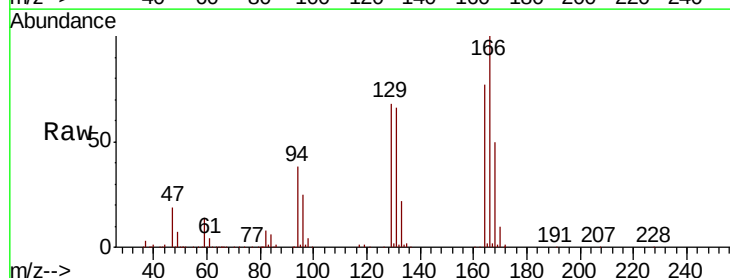
Instrument :
MSVOA_V
ClientSampleId :

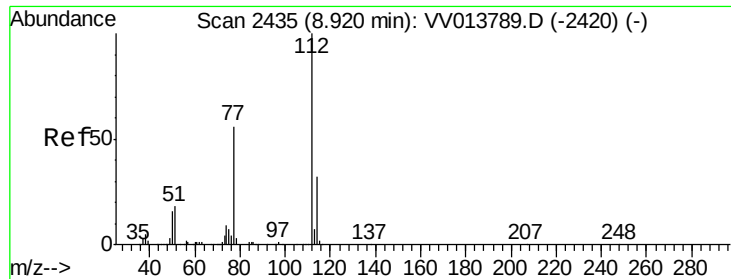
Tot Ion: 43 Resp: 8750
Ion Ratio Lower Upper
43 100
58 0.0 43.2 64.8#
57 27.2 15.4 23.2#
100 5.1 10.4 15.6#



#49
Dibromochloromethane
Concen: 6.134 ug/L
RT: 8.01 min Scan# 2153
Delta R.T. -0.27 min
Lab File: VV013793.D
Acq: 26 Nov 2019 18:04

Tgt Ion: 129 Resp: 111617
Ion Ratio Lower Upper
129 100
127 0.0 55.7 103.5#





#51
 Chlorobenzene
 Concen: 5.767 ug/L
 RT: 8.92 min Scan# 2435
 Delta R.T. -0.00 min
 Lab File: VV013793.D
 Acq: 26 Nov 2019 18:04

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.1	21.8	40.6
77	55.8	44.2	66.4

