

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101719\
 Data File : VV013193.D
 Acq On : 18 Oct 2019 02:09
 Operator : SY/MD
 Sample : K5321-05
 Misc : 25.00ML/MSVOA V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 18 03:43:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 18 03:32:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	470243	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	502445	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	234949	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	248406	4.98	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.60%
7) Chloroethane-d5	1.59	69	194540	5.18	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.60%
11) 1,1-Dichloroethene-d2	2.13	63	289111	4.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.60%
20) 2-Butanone-d5	3.96	46	350140	35.76	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	71.52%
24) Chloroform-d	4.40	84	418524	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
26) 1,2-Dichloroethane-d4	5.08	65	207397	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.80%
32) Benzene-d6	5.10	84	860655	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
36) 1,2-Dichloropropane-d6	6.12	67	262103	4.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.40%
41) Toluene-d8	7.36	98	698055	4.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.00%
43) trans-1,3-Dichloropropene-	7.66	79	80295	4.17	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.40%
46) 2-Hexanone-d5	8.14	63	285809	35.99	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	71.98%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	192504	4.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	289194	6.04	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	120.80%#

Target Compounds

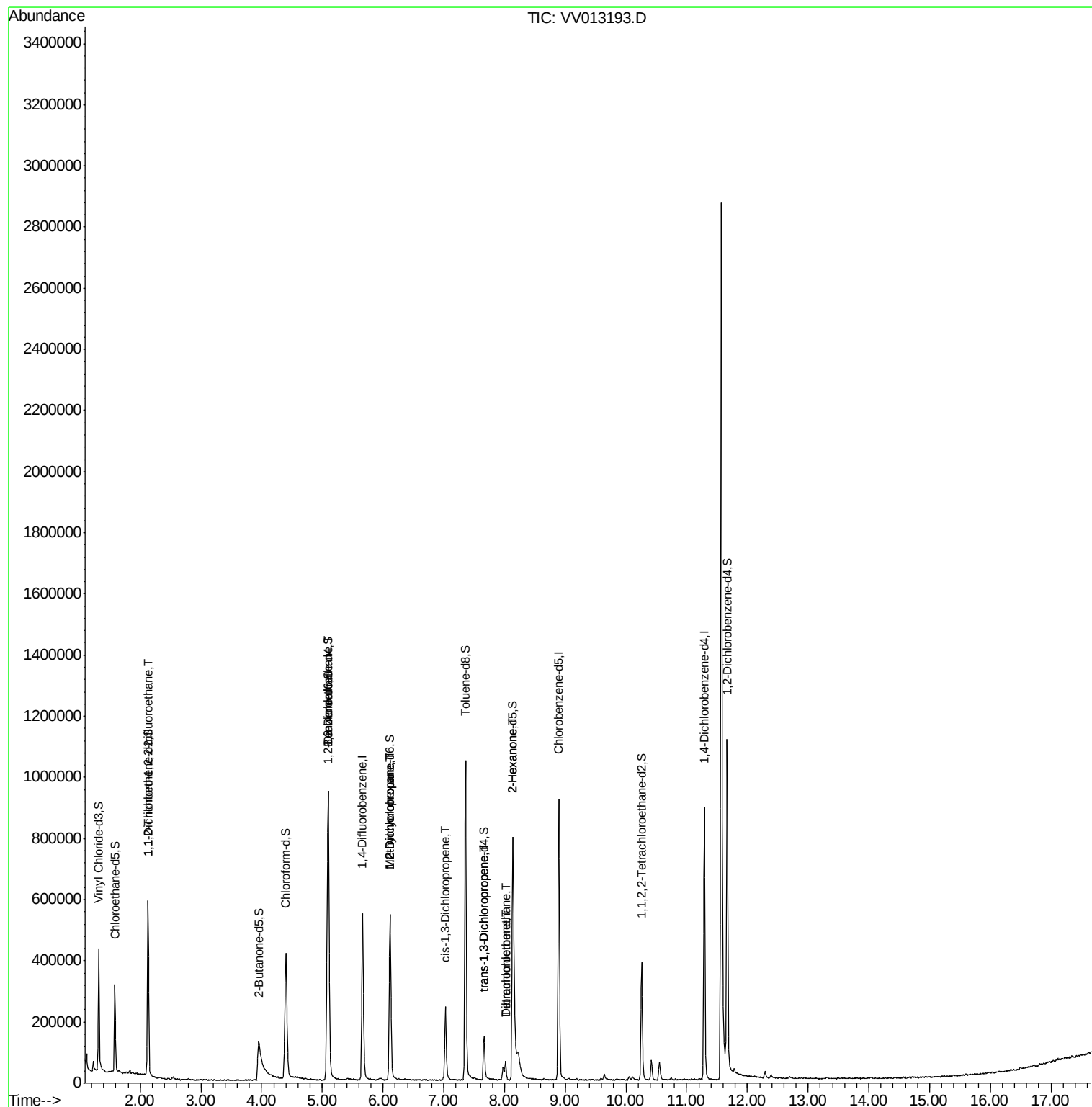
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	3276	0.080	ug/L #	17
27) 1,2-Dichloroethane	5.10	62	4995	0.097	ug/L	97
35) Methylcyclohexane	6.12	83	61797	0.752	ug/L #	19
37) 1,2-Dichloropropane	6.12	63	28942	0.595	ug/L #	88
39) cis-1,3-Dichloropropene	7.03	75	6460	0.097	ug/L #	1
44) trans-1,3-Dichloropropene	7.66	75	4442	0.088	ug/L	95
47) Tetrachloroethene	8.02	164	14401	0.314	ug/L	94
48) 2-Hexanone	8.14	43	47607	2.432	ug/L #	90
49) Dibromochloromethane	8.02	129	12249	0.301	ug/L #	11

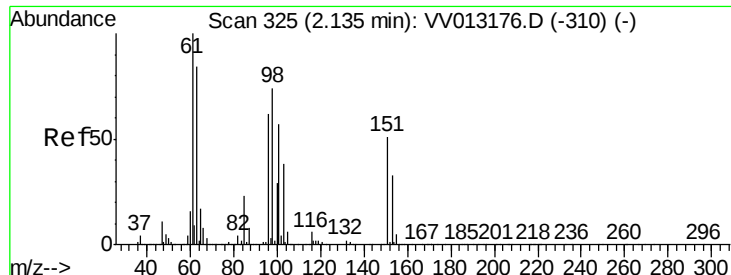
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.080 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV013193.D

Acq: 18 Oct 2019 02:09

Instrument :

MSVOA_V

ClientSampled :

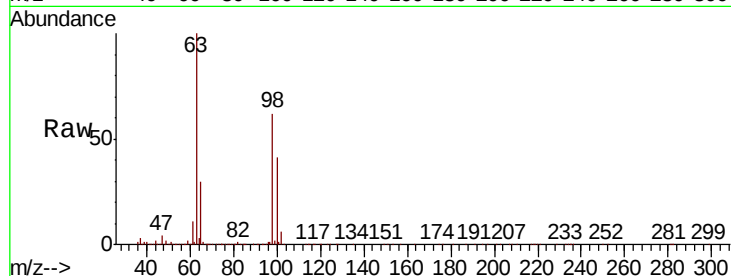
Tot Ion:101 Resp: 3276

Ion Ratio Lower Upper

101 100

85 6.9 32.4 48.6#

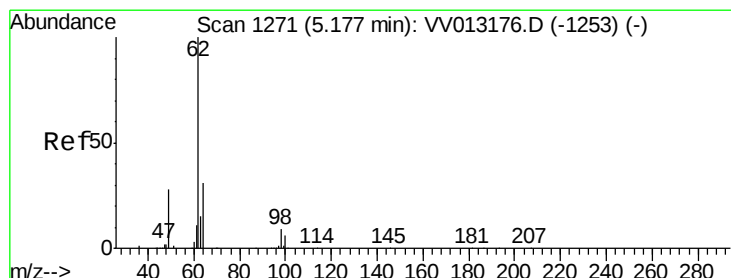
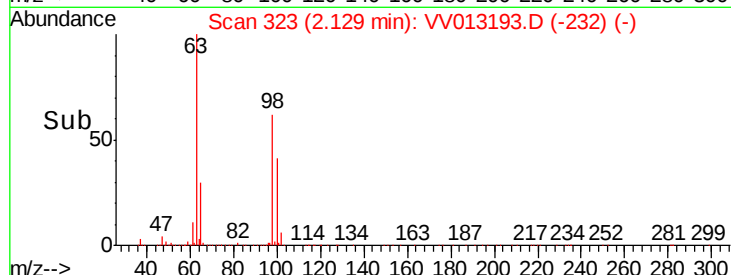
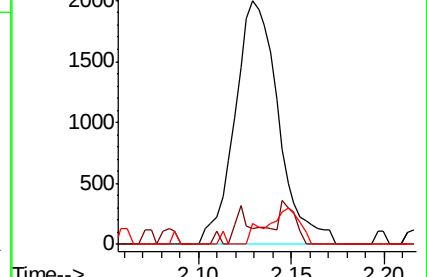
151 0.0 71.9 107.9#



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



#27

1,2-Dichloroethane

Concen: 0.097 ug/L

RT: 5.10 min Scan# 1247

Delta R.T. -0.08 min

Lab File: VV013193.D

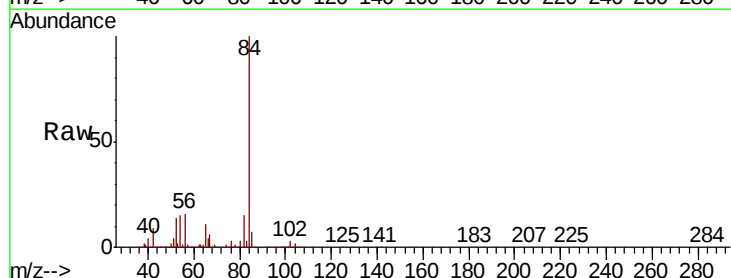
Acq: 18 Oct 2019 02:09

Tgt Ion: 62 Resp: 4995

Ion Ratio Lower Upper

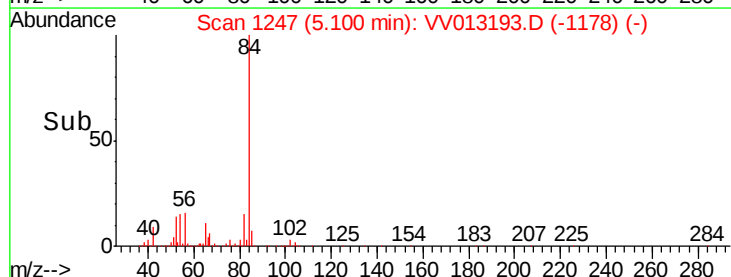
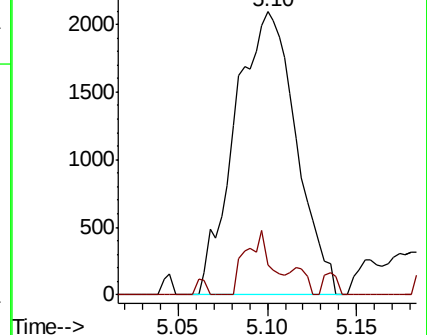
62 100

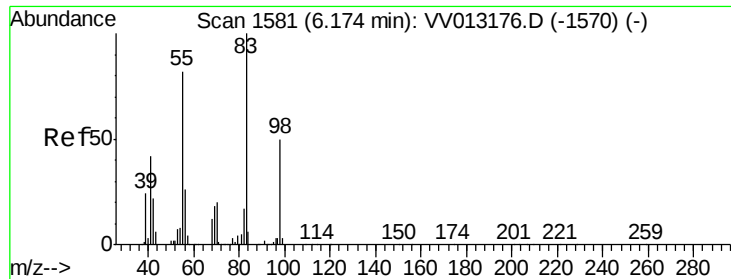
98 10.4 7.4 11.2



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.05 (97.75 to 98.75): VV0

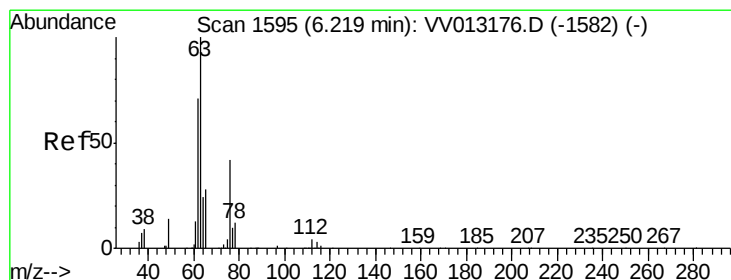
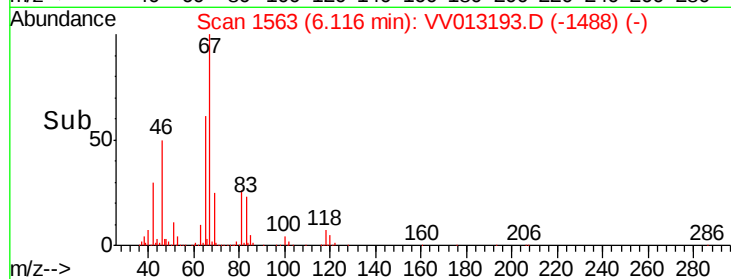
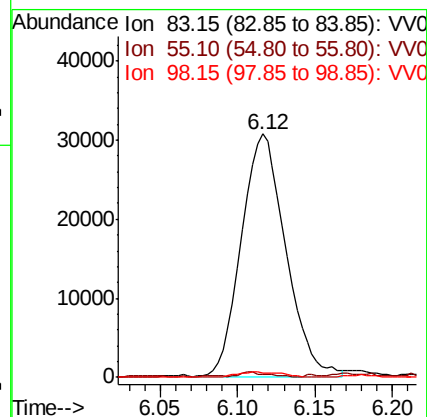
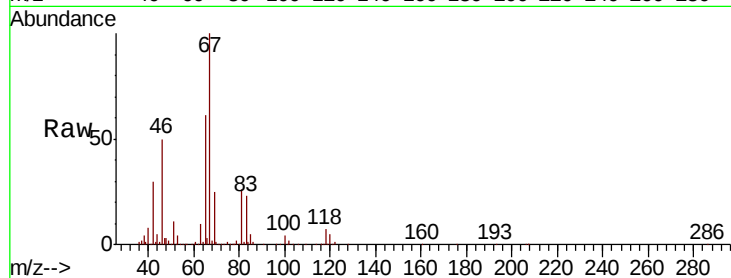




#35
Methvlcvclohexane
Concen: 0.752 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.06 min
Lab File: VV013193.D
Acq: 18 Oct 2019 02:09

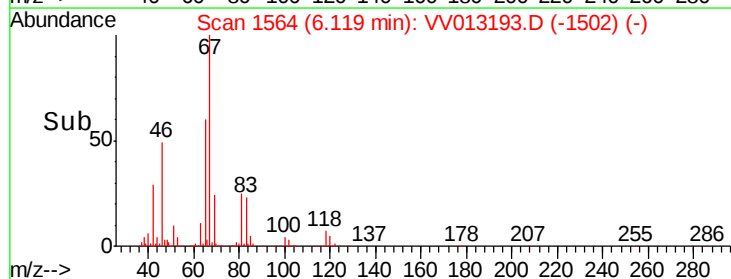
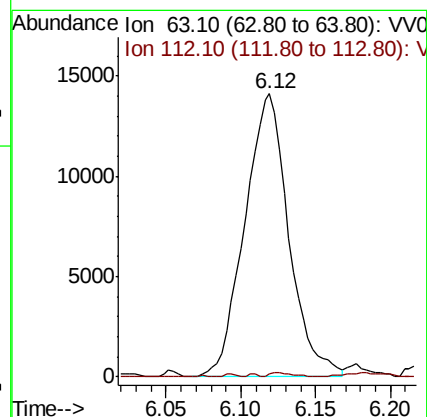
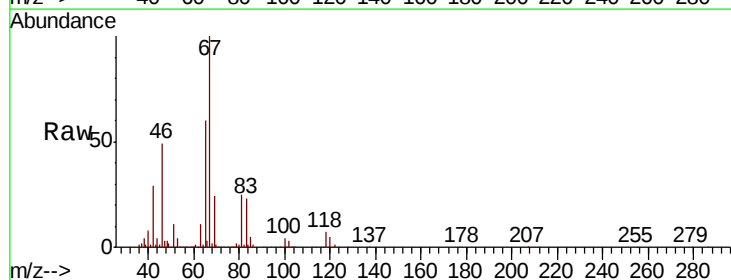
Instrument :
MSVOA_V
ClientSampleId :

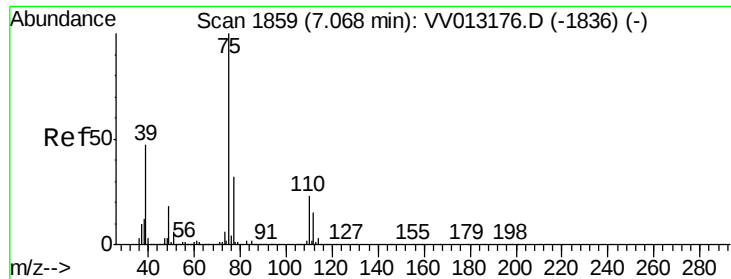
Tot Ion	Ratio	Lower	Upper
83	100		
55	1.4	64.0	96.0#
98	1.6	38.6	57.8#



#37
1,2-Dichloropropane
Concen: 0.595 ug/L
RT: 6.12 min Scan# 1564
Delta R.T. -0.10 min
Lab File: VV013193.D
Acq: 18 Oct 2019 02:09

Tgt Ion	Ratio	Lower	Upper
63	100		
112	0.8	3.8	5.8#





#39

cis-1,3-Dichloropropene

Concen: 0.097 ug/L

RT: 7.03 min Scan# 1846

Delta R.T. -0.04 min

Lab File: VV013193.D

Acq: 18 Oct 2019 02:09

Instrument :

MSVOA_V

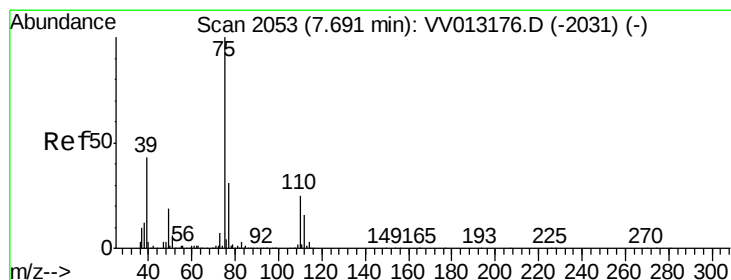
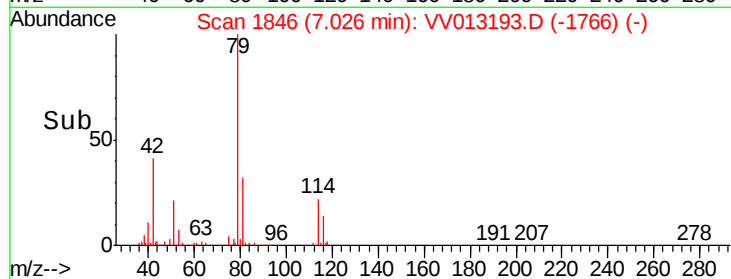
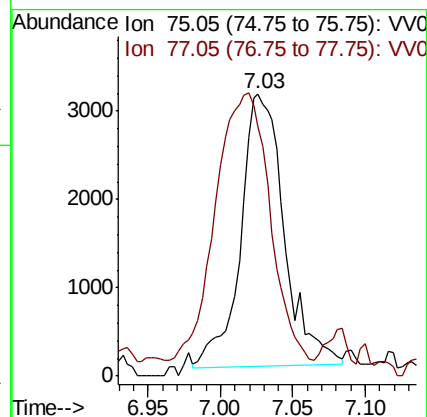
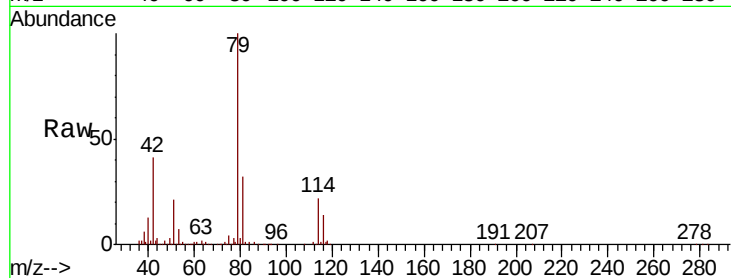
ClientSampleId :

Tot Ion: 75 Resp: 6460

Ion Ratio Lower Upper

75 100

77 88.6 22.6 42.0#



#44

trans-1,3-Dichloropropene

Concen: 0.088 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV013193.D

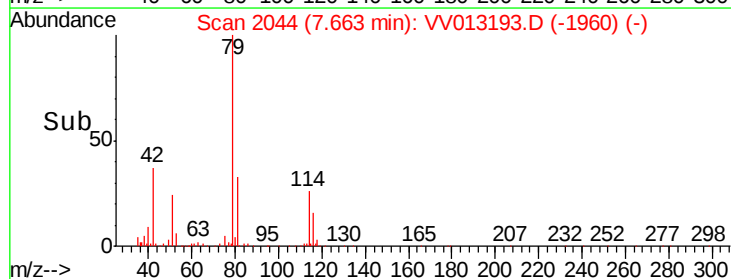
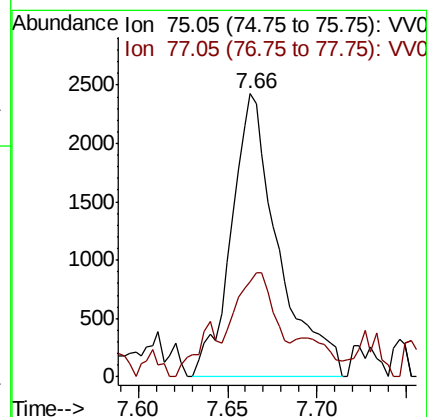
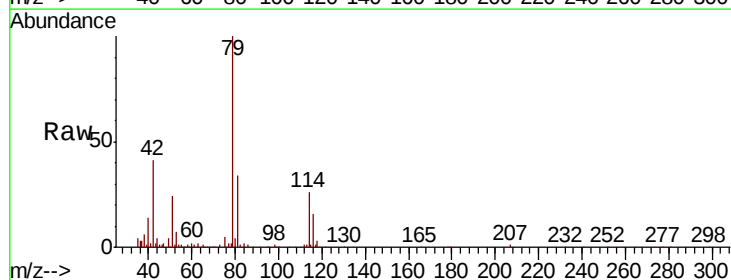
Acq: 18 Oct 2019 02:09

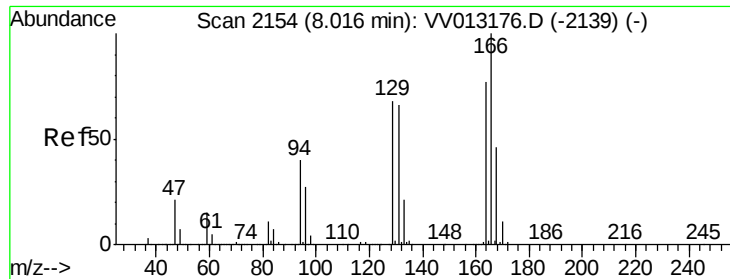
Tgt Ion: 75 Resp: 4442

Ion Ratio Lower Upper

75 100

77 33.8 21.8 40.4





#47

Tetrachloroethene

Concen: 0.314 ug/L

RT: 8.02 min Scan# 2155

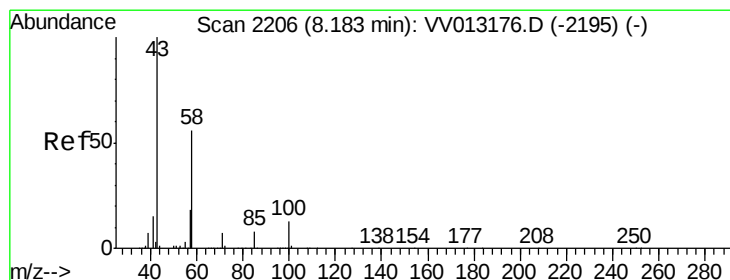
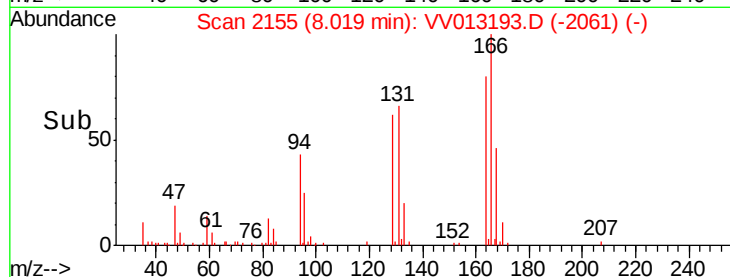
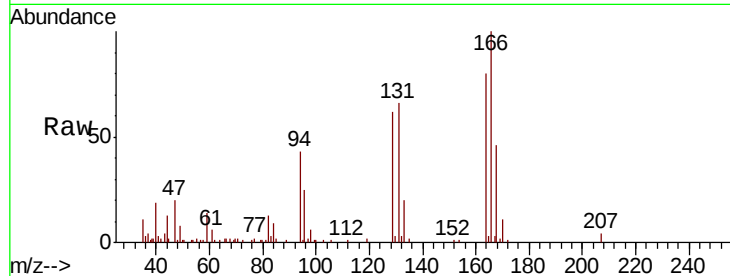
Delta R.T. 0.00 min

Lab File: VV013193.D

Acq: 18 Oct 2019 02:09

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:164	Resp:	14401
Ion	Ratio	Lower Upper
164	100	
129	77.6	62.2 115.4
131	83.2	59.9 111.3
166	125.7	91.1 169.1



#48

2-Hexanone

Concen: 2.432 ug/L

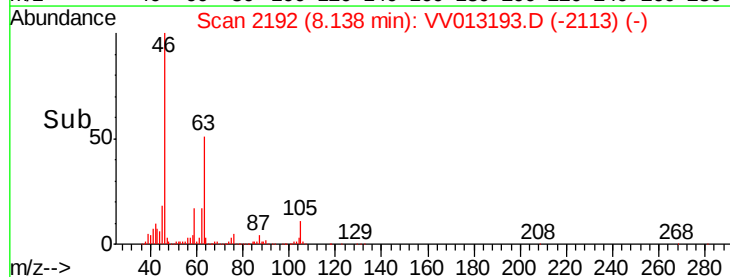
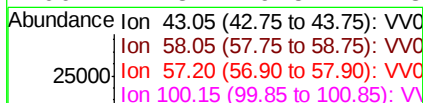
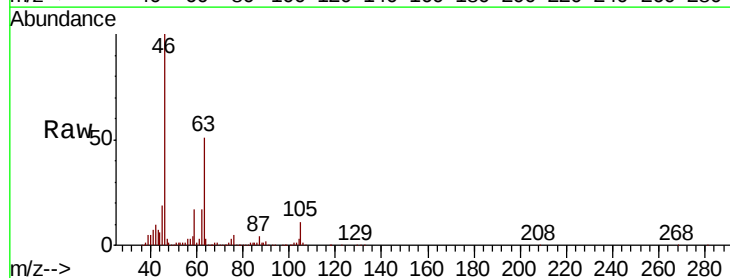
RT: 8.14 min Scan# 2192

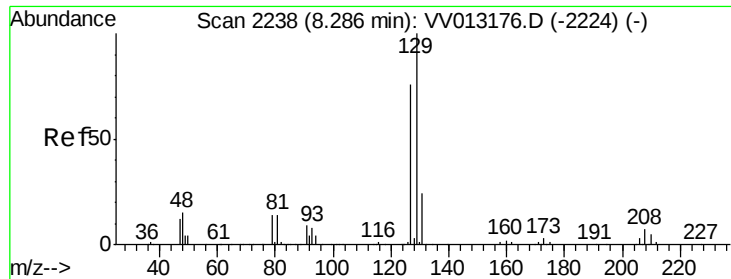
Delta R.T. -0.04 min

Lab File: VV013193.D

Acq: 18 Oct 2019 02:09

Tgt Ion: 43	Resp:	47607
Ion	Ratio	Lower Upper
43	100	
58	57.5	44.2 66.2
57	27.9	14.5 21.7#
100	1.8	9.5 14.3#





#49

Dibromochloromethane

Concen: 0.301 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.27 min

Lab File: VV013193.D

Acq: 18 Oct 2019 02:09

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:129 Resp: 12249

Ion Ratio Lower Upper

129 100

127 0.0 53.2 98.8#

