

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV090919\
 Data File : VV012636.D
 Acq On : 09 Sep 2019 21:21
 Operator : SY/MD
 Sample : K4724-13
 Misc : 25mL/MSVOA V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 10 09:34:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR090919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Sep 10 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	394147	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	386296	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	156598	5.00	ug/L	0.00

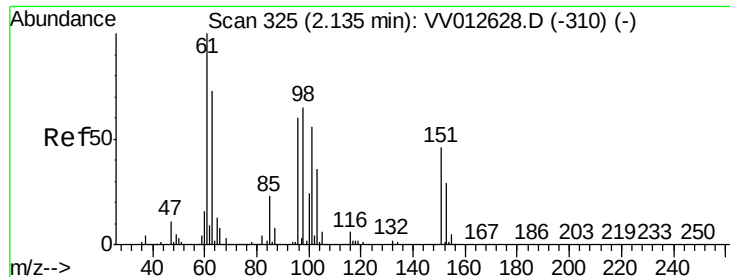
System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	126533	4.73	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.60%
7) Chloroethane-d5	1.58	69	111797	5.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.20%
11) 1,1-Dichloroethene-d2	2.13	63	151707	3.51	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.20%
20) 2-Butanone-d5	3.96	46	379289	58.95	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.90%
24) Chloroform-d	4.40	84	239680	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
26) 1,2-Dichloroethane-d4	5.08	65	124614	5.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.20%
32) Benzene-d6	5.10	84	467634	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.40%
36) 1,2-Dichloropropane-d6	6.12	67	153758	5.25	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.00%
41) Toluene-d8	7.36	98	372615	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.20%
43) trans-1,3-Dichloropropene-	7.66	79	48806	4.84	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.80%
46) 2-Hexanone-d5	8.14	63	206141	54.04	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.08%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	116597	5.54	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	153452	5.73	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	114.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1828	0.071	ug/L #	36
13) Acetone	2.22	43	15397	4.083	ug/L	88
25) Chloroform	4.42	83	14859	0.260	ug/L	97
35) Methylcyclohexane	6.12	83	37293	0.846	ug/L #	17
37) 1,2-Dichloropropane	6.12	63	16334	0.581	ug/L #	88
39) cis-1,3-Dichloropropene	7.03	75	3675	0.100	ug/L #	69
44) trans-1,3-Dichloropropene	7.67	75	2213	0.080	ug/L	86
47) Tetrachloroethene	8.02	164	50141	2.047	ug/L	96
48) 2-Hexanone	8.19	43	33566	3.009	ug/L #	84
49) Dibromochloromethane	8.02	129	43081	1.849	ug/L #	11

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



#10

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

Concen: 0.071 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

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Instrument :

MSVOA_V

ClientSampleId :

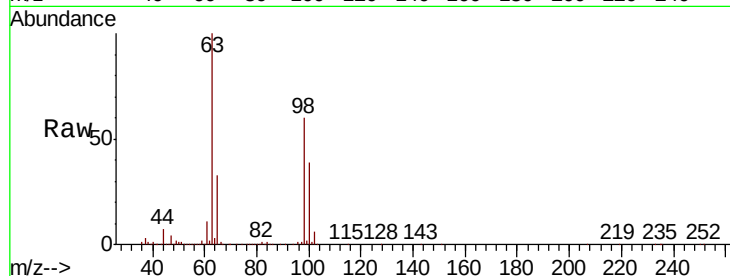
Tot Ion:101 Resp: 1828

Ion Ratio Lower Upper

101 100

85 16.7 33.0 49.6#

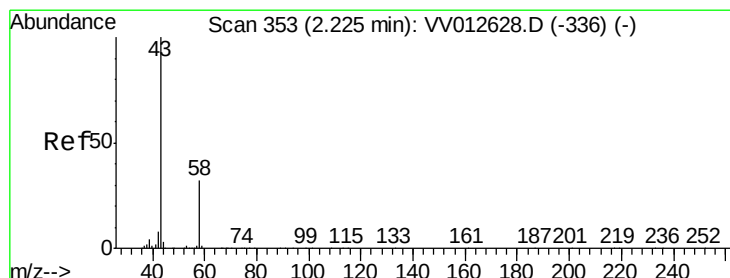
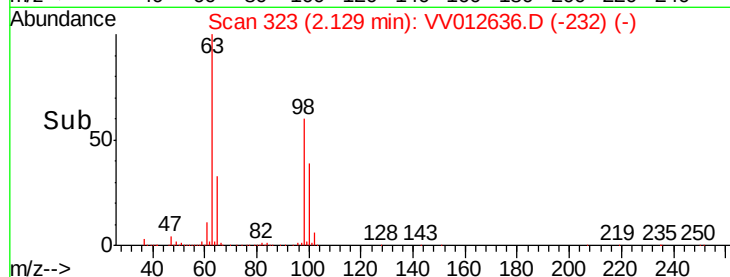
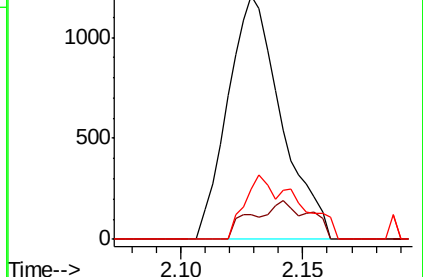
151 13.8 65.8 98.8#



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



#13

Acetone

Concen: 4.083 ug/L

RT: 2.22 min Scan# 350

Delta R.T. -0.01 min

Lab File: VV012636.D

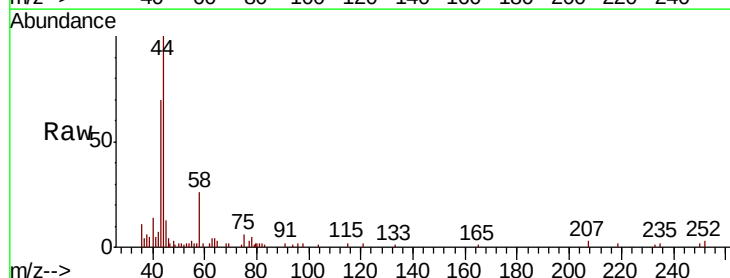
Acq: 09 Sep 2019 21:21

Tgt Ion: 43 Resp: 15397

Ion Ratio Lower Upper

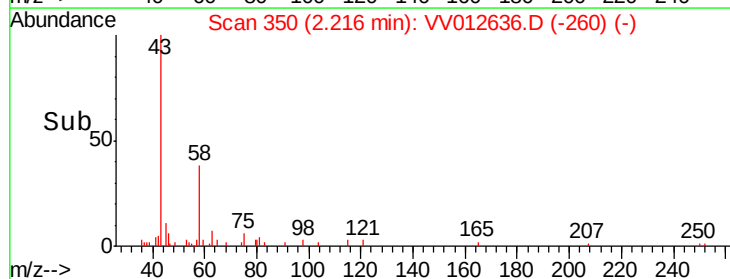
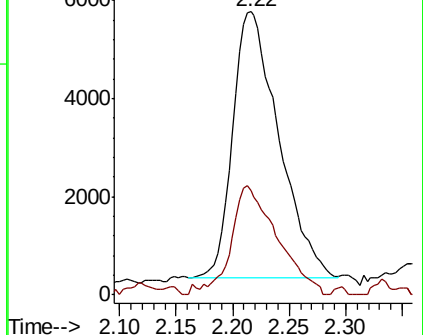
43 100

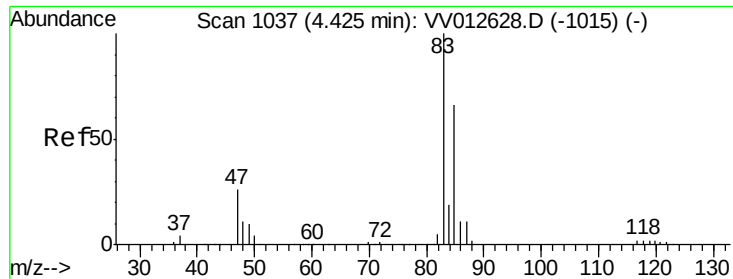
58 40.7 0.0 67.4



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

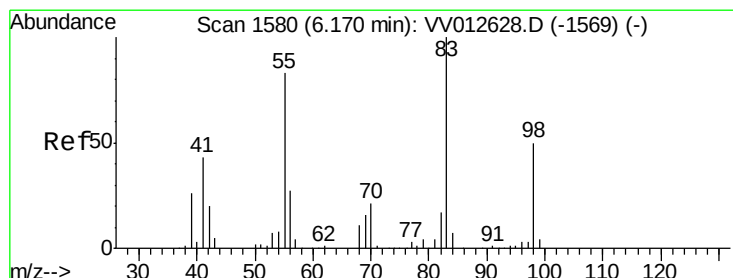
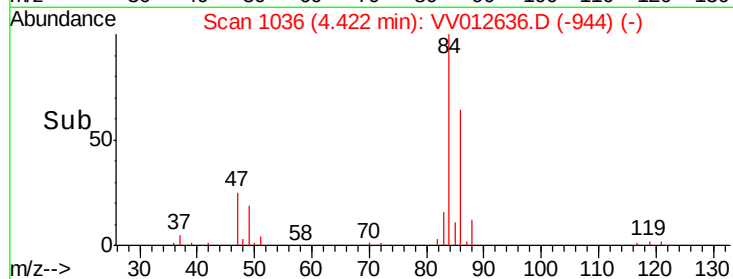
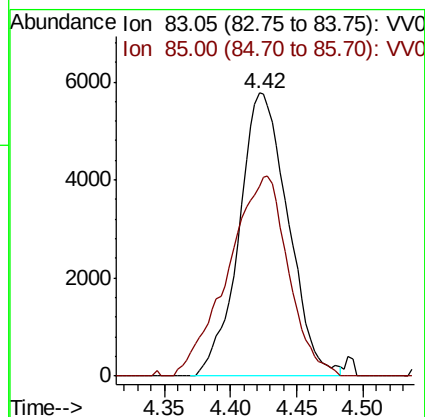
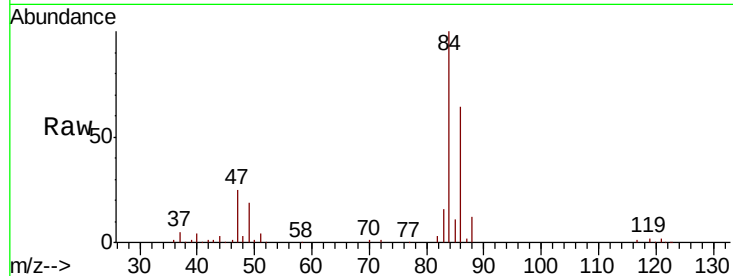




#25
Chloroform
Concen: 0.260 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV012636.D
Acq: 09 Sep 2019 21:21

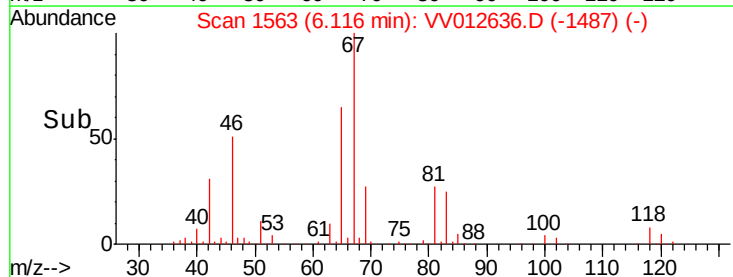
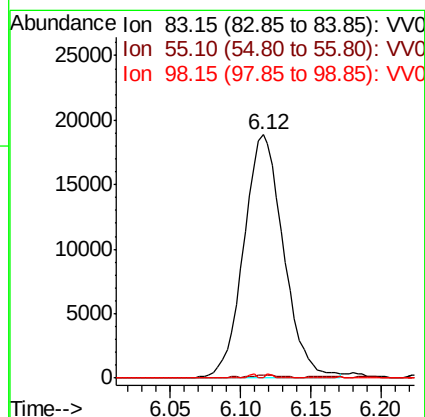
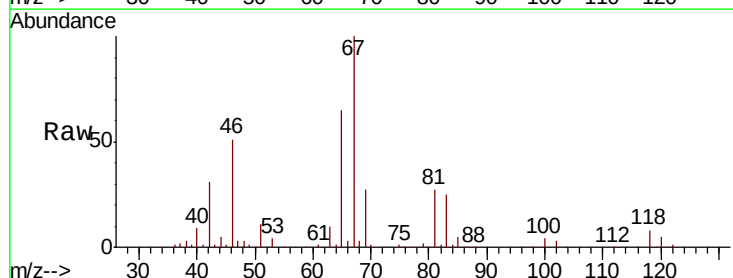
Instrument :
MSVOA_V
ClientSampleId :

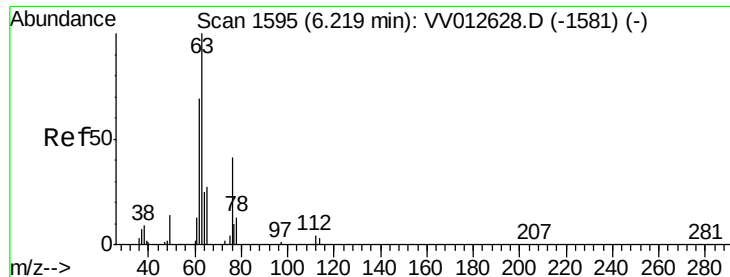
Tot Ion: 83 Resp: 14859
Ion Ratio Lower Upper
83 100
85 67.3 45.3 84.1



#35
Methylcyclohexane
Concen: 0.846 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.05 min
Lab File: VV012636.D
Acq: 09 Sep 2019 21:21

Tgt Ion: 83 Resp: 37293
Ion Ratio Lower Upper
83 100
55 0.9 63.0 94.4#
98 0.0 39.8 59.8#

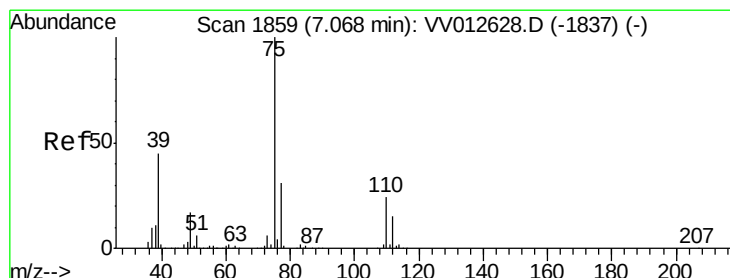
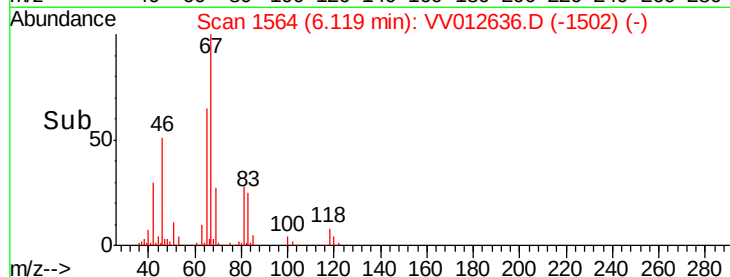
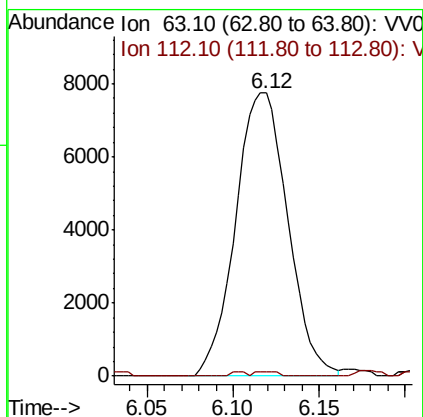
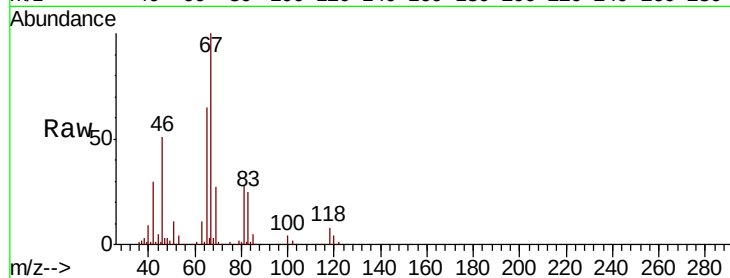




#37
 1,2-Dichloropropane
 Concen: 0.581 ug/L
 RT: 6.12 min Scan# 1564
 Delta R.T. -0.10 min
 Lab File: VV012636.D
 Acq: 09 Sep 2019 21:21

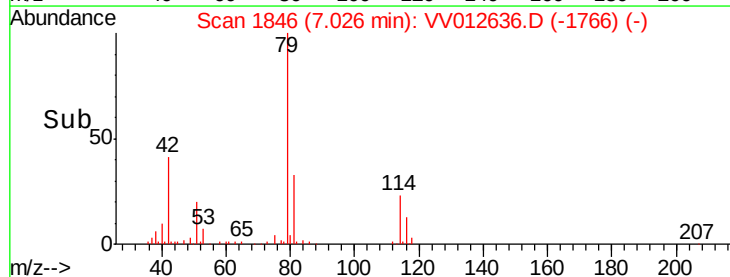
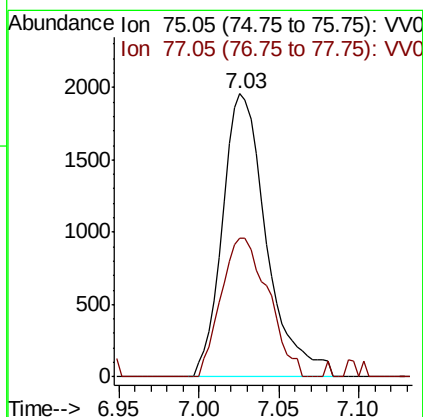
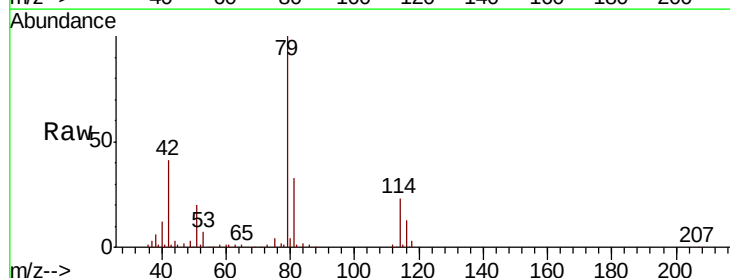
Instrument :
 MSVOA_V
 ClientSampleId :

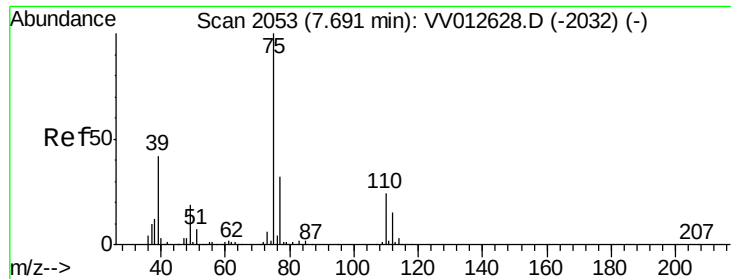
Tot Ion: 63 Resp: 16334
 Ion Ratio Lower Upper
 63 100
 112 0.7 3.8 5.6#



#39
 cis-1,3-Dichloropropene
 Concen: 0.100 ug/L
 RT: 7.03 min Scan# 1846
 Delta R.T. -0.04 min
 Lab File: VV012636.D
 Acq: 09 Sep 2019 21:21

Tgt Ion: 75 Resp: 3675
 Ion Ratio Lower Upper
 75 100
 77 49.2 22.3 41.3#





#44

trans-1,3-Dichloropropene

Concen: 0.080 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV012636.D

Acq: 09 Sep 2019 21:21

Instrument :

MSVOA_V

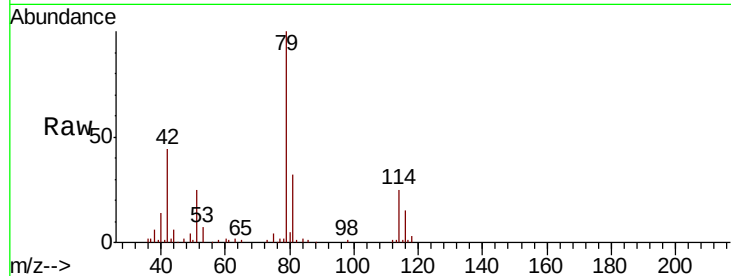
ClientSampleId :

Tot Ion: 75 Resp: 2213

Ion Ratio Lower Upper

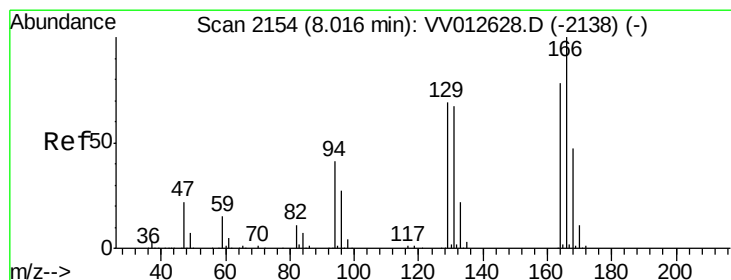
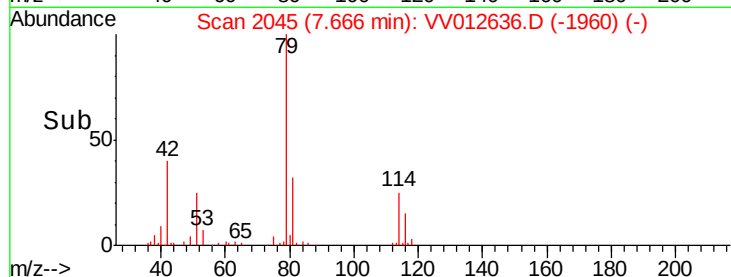
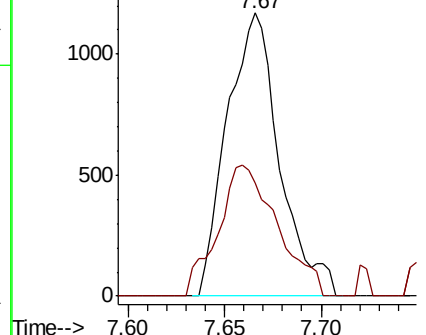
75 100

77 40.0 22.4 41.6



Abundance Ion 75.05 (74.75 to 75.75): VV012628.D (-2032) (-)

Ion 77.05 (76.75 to 77.75): VV012628.D (-2032) (-)



#47

Tetrachloroethene

Concen: 2.047 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV012636.D

Acq: 09 Sep 2019 21:21

Tgt Ion: 164 Resp: 50141

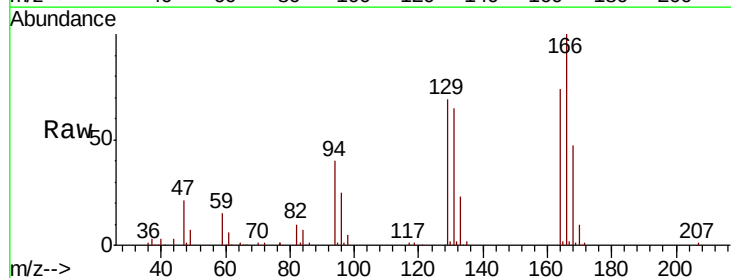
Ion Ratio Lower Upper

164 100

129 92.2 61.9 114.9

131 87.7 59.7 110.9

166 134.3 90.4 167.8

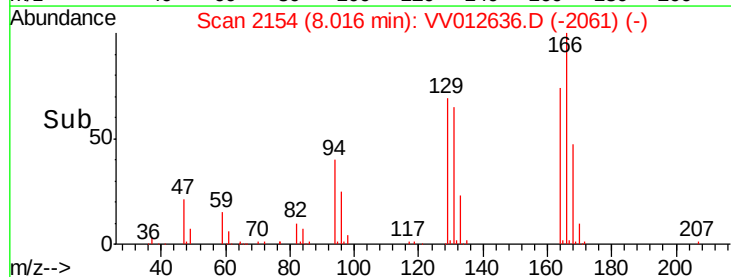
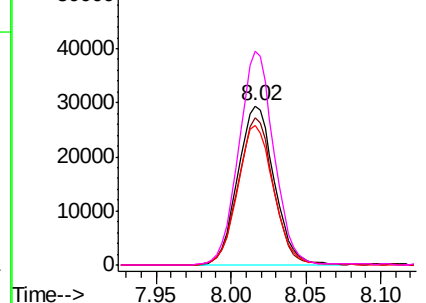


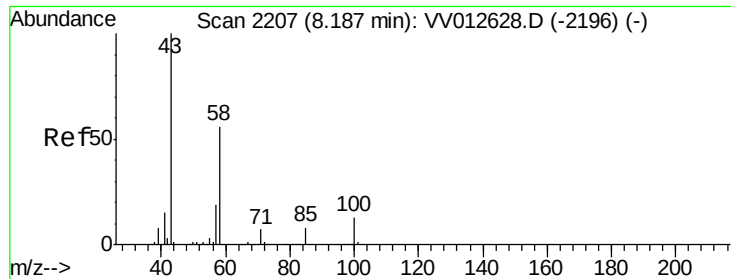
Abundance Ion 163.90 (163.60 to 164.60): VV012628.D (-2138) (-)

Ion 128.95 (128.65 to 129.65): VV012628.D (-2138) (-)

Ion 130.95 (130.65 to 131.65): VV012628.D (-2138) (-)

Ion 165.90 (165.60 to 166.60): VV012628.D (-2138) (-)

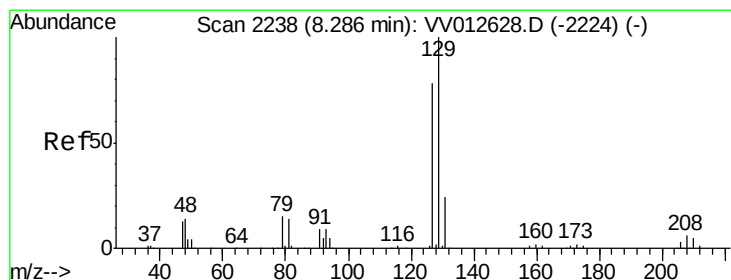
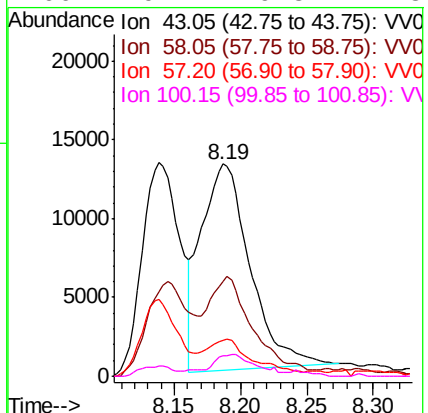
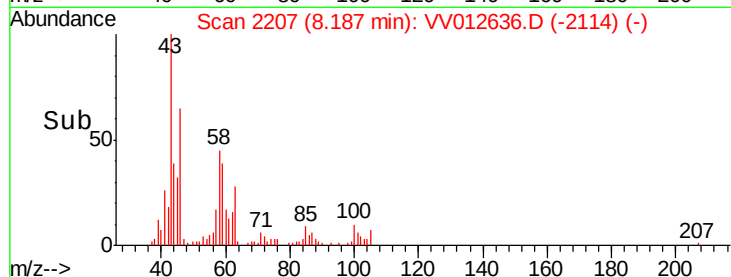
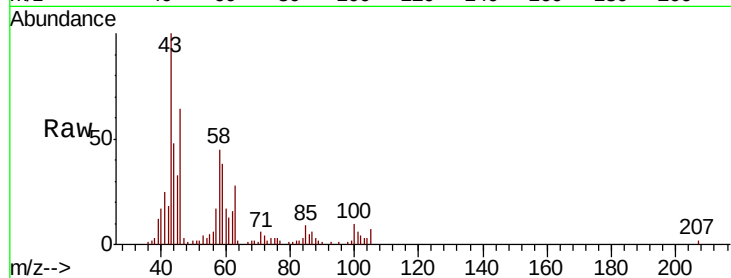




#48
2-Hexanone
Concen: 3.009 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV012636.D
Acq: 09 Sep 2019 21:21

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 33566
Ion Ratio Lower Upper
43 100
58 41.3 44.8 67.2#
57 14.3 14.9 22.3#
100 9.1 9.8 14.8#



#49
Dibromochloromethane
Concen: 1.849 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.27 min
Lab File: VV012636.D
Acq: 09 Sep 2019 21:21

Tgt Ion: 129 Resp: 43081
Ion Ratio Lower Upper
129 100
127 0.0 53.5 99.5#

