

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102620\
 Data File : VV019123.D
 Acq On : 26 Oct 2020 16:44
 Operator : SY/MD
 Sample : L4502-15
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG454

Quant Time: Oct 27 07:17:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 27 07:08:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	266530	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	262205	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	124651	50.00	ug/L	0.00

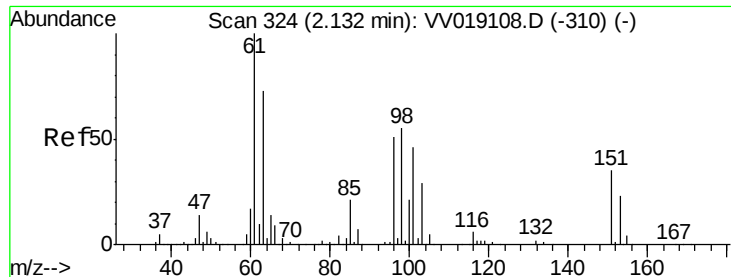
System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	87383	36.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	72.18%
7) Chloroethane-d5	1.58	69	73410	37.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	75.34%
11) 1,1-Dichloroethene-d2	2.12	63	142883	31.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.02%
21) 2-Butanone-d5	3.90	46	140774	86.45	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.45%
24) Chloroform-d	4.37	84	184186	43.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.98%
26) 1,2-Dichloroethane-d4	5.05	65	130470	45.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.66%
32) Benzene-d6	5.07	84	351819	43.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.74%
36) 1,2-Dichloropropane-d6	6.09	67	112912	43.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.92%
41) Toluene-d8	7.34	98	306951	42.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.60%
43) trans-1,3-Dichloropropene-	7.64	79	55471	41.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.34%
47) 2-Hexanone-d5	8.11	63	98185	86.92	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.92%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	147007	42.52	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.04%
64) 1,2-Dichlorobenzene-d4	11.65	152	127017	48.58	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.16%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1336	0.751	ug/L #	20
13) Acetone	2.19	43	7610	6.895	ug/L	98
35) Methylcyclohexane	6.09	83	26936	9.706	ug/L #	15
38) Bromodichloromethane	6.54	83	1837	0.657	ug/L #	84
39) cis-1,3-Dichloropropene	7.01	75	3564	1.091	ug/L #	74
46) Tetrachloroethene	8.00	164	25637	16.470	ug/L	99
48) 2-Hexanone	8.11	43	13228	5.750	ug/L #	66
49) Dibromochloromethane	8.27	129	3647	1.710	ug/L	98
59) 1,2,3-Trichloropropane	11.27	75	14688	5.684	ug/L	89
61) Bromoform	9.76	173	2849	2.030	ug/L	99

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



#10

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

Concen: 0.751 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV019123.D

Acq: 26 Oct 2020 16:44

Instrument :

MSVOA_V

ClientSampled :

BG454

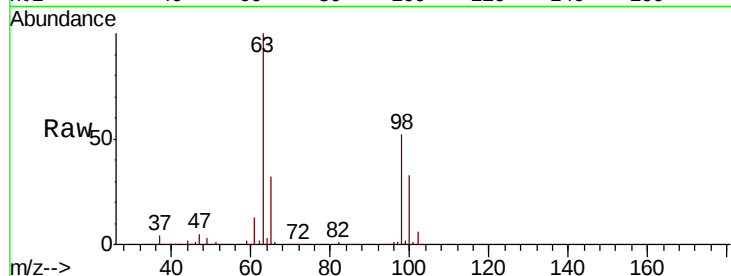
Tot Ion:101 Resp: 1336

Ion Ratio Lower Upper

101 100

85 0.0 36.9 55.3#

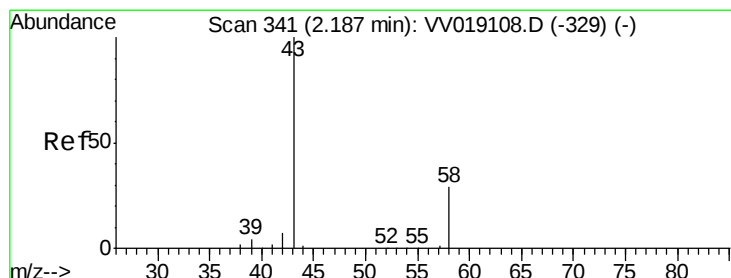
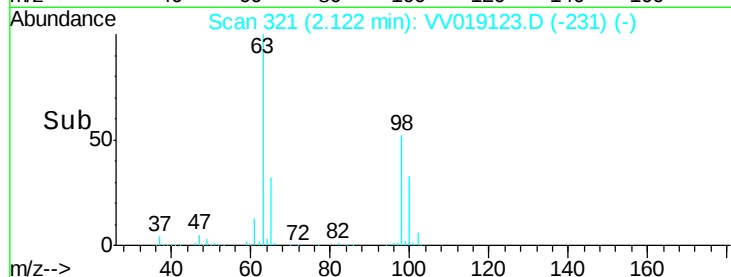
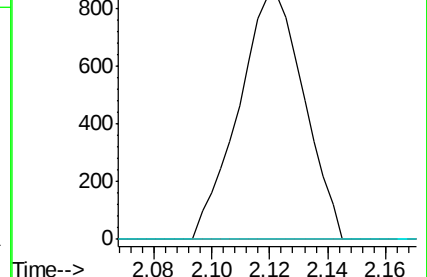
151 0.0 58.2 87.2#



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: 6.895 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.00 min

Lab File: VV019123.D

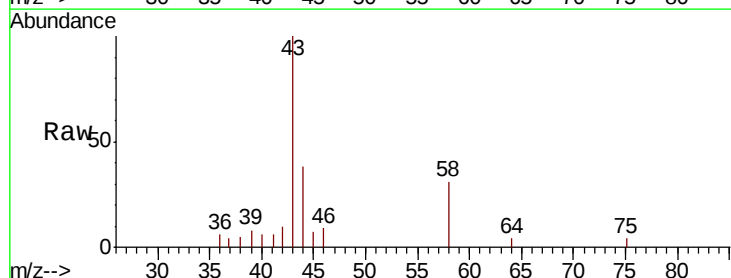
Acq: 26 Oct 2020 16:44

Tgt Ion: 43 Resp: 7610

Ion Ratio Lower Upper

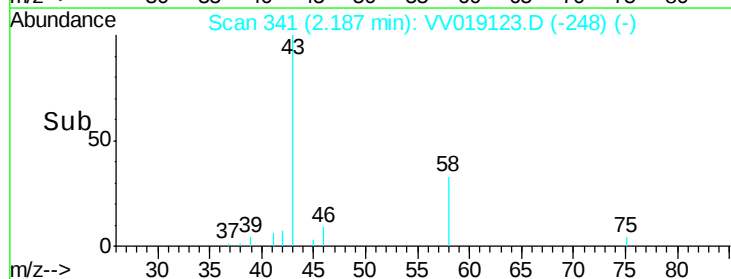
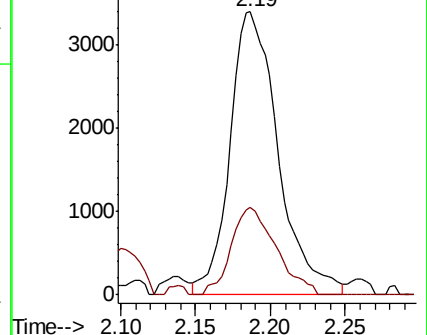
43 100

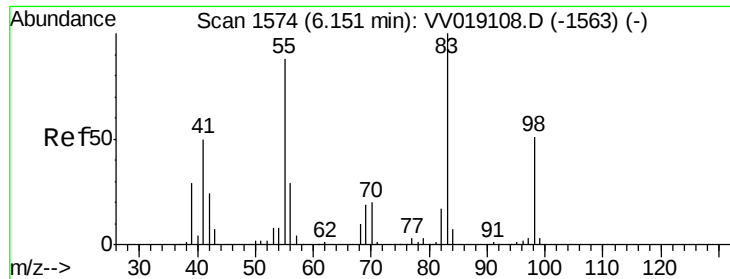
58 28.8 0.0 60.2



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

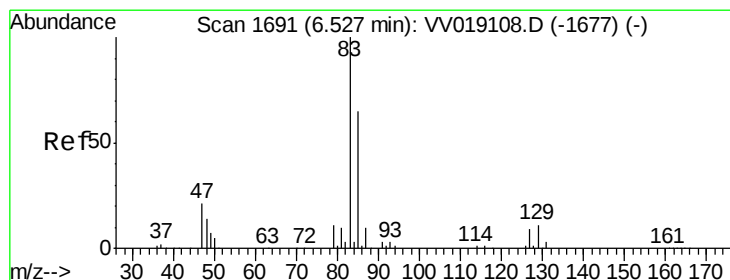
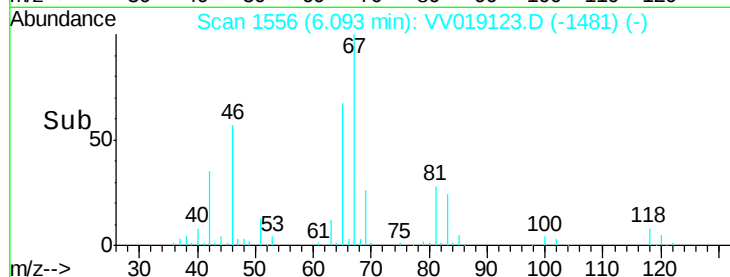
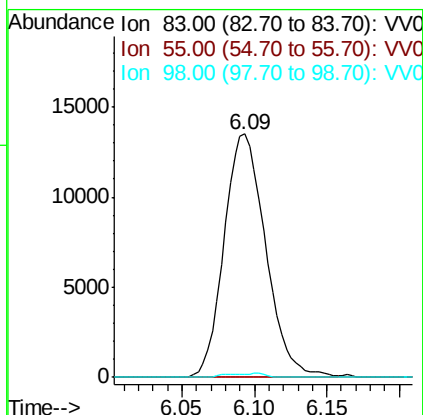
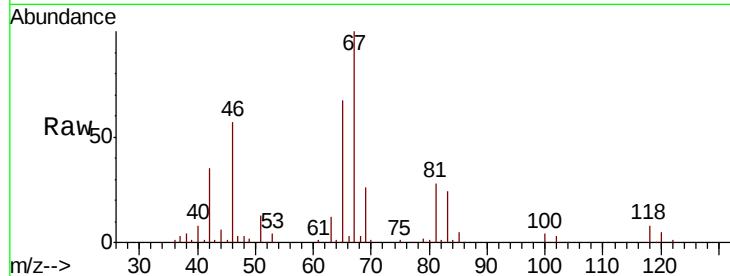




#35
Methvlcvclohexane
Concen: 9.706 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV019123.D
Acq: 26 Oct 2020 16:44

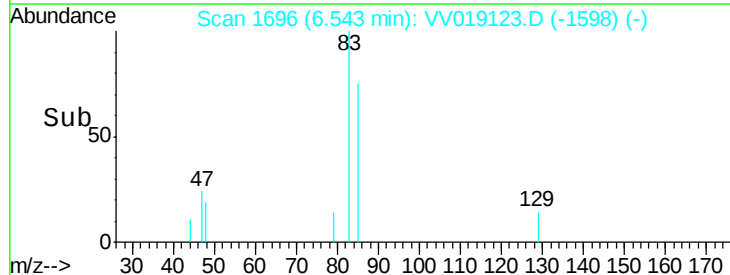
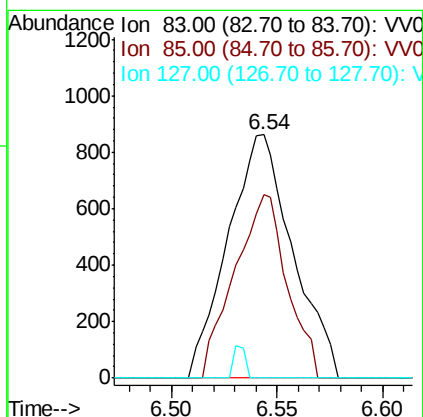
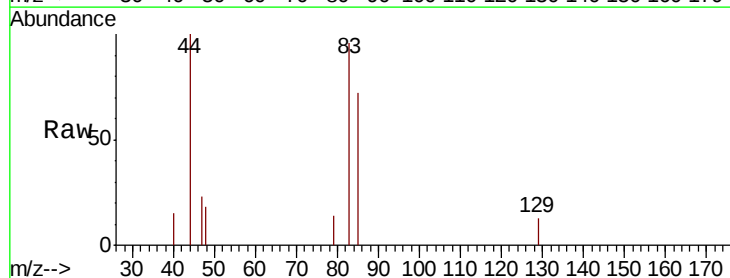
Instrument :
MSVOA_V
ClientSampleId :
BG454

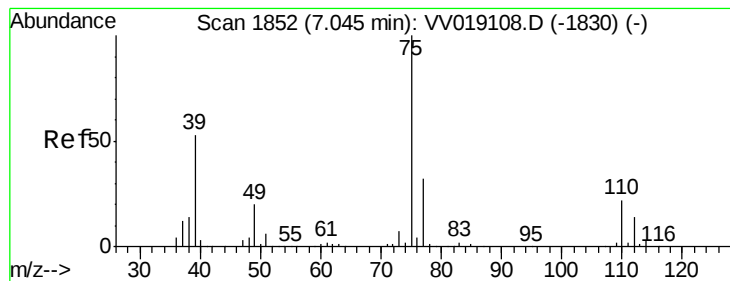
Tot Ion: 83 Resp: 26936
Ion Ratio Lower Upper
83 100
55 0.0 68.1 102.1#
98 0.8 37.9 56.9#



#38
Bromodichloromethane
Concen: 0.657 ug/L
RT: 6.54 min Scan# 1696
Delta R.T. 0.02 min
Lab File: VV019123.D
Acq: 26 Oct 2020 16:44

Tgt Ion: 83 Resp: 1837
Ion Ratio Lower Upper
83 100
85 75.4 44.9 83.3
127 0.0 7.0 10.4#



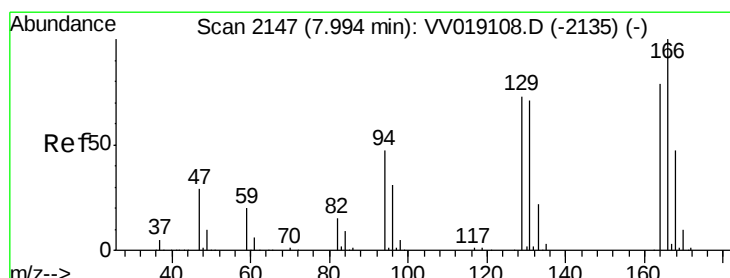
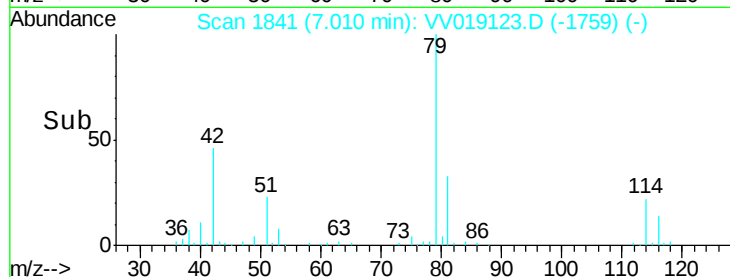
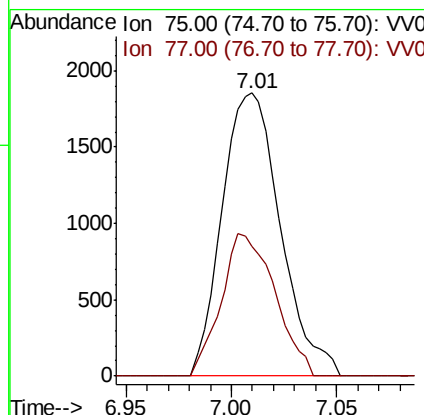
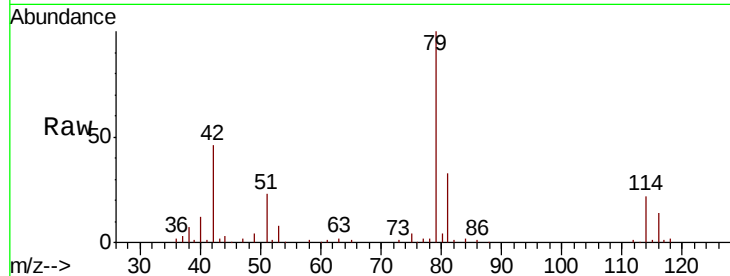


#39

cis-1,3-Dichloropropene
 Concen: 1.091 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV019123.D
 Acq: 26 Oct 2020 16:44

Instrument :
 MSVOA_V
 ClientSampleId :
 BG454

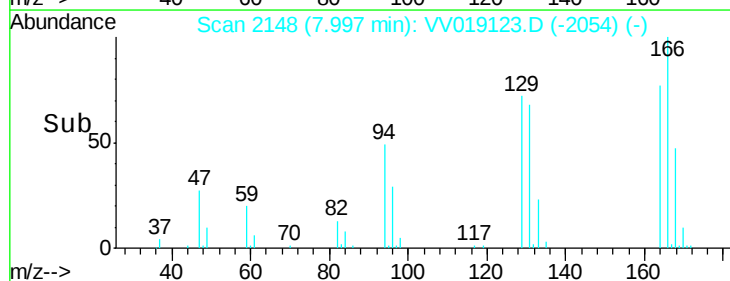
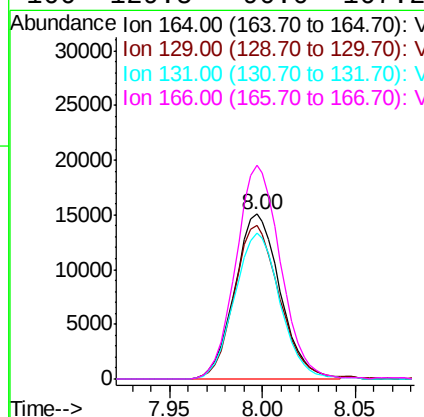
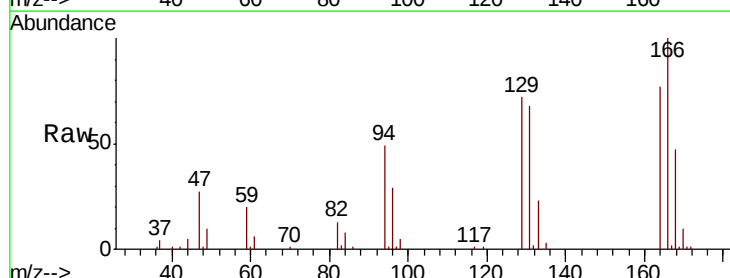
Tot Ion: 75 Resp: 3564
 Ion Ratio Lower Upper
 75 100
 77 46.0 22.1 41.1#

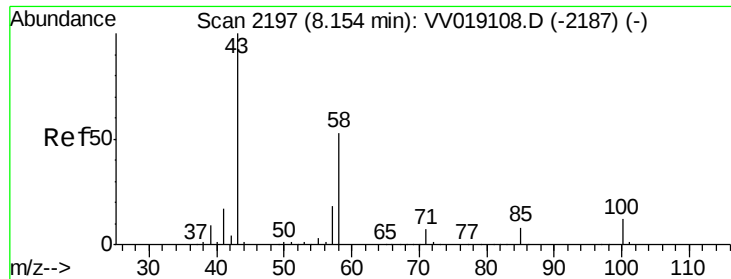


#46

Tetrachloroethene
 Concen: 16.470 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV019123.D
 Acq: 26 Oct 2020 16:44

Tgt Ion: 164 Resp: 25637
 Ion Ratio Lower Upper
 164 100
 129 93.3 65.5 121.6
 131 88.6 62.4 115.8
 166 129.5 90.0 167.2

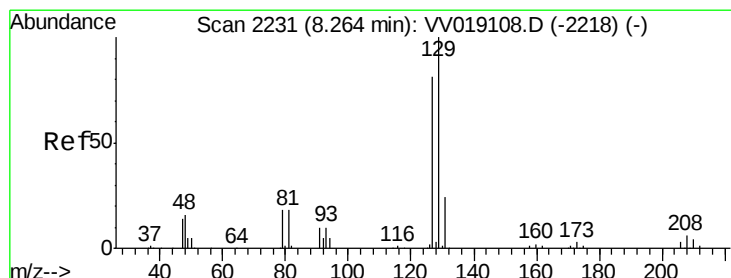
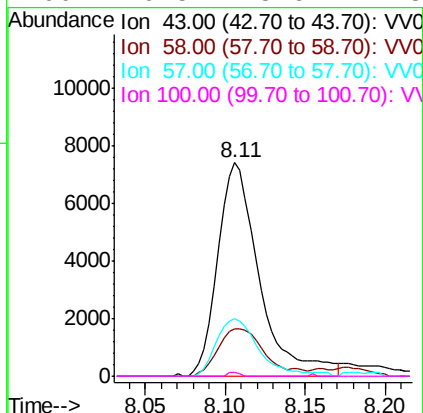
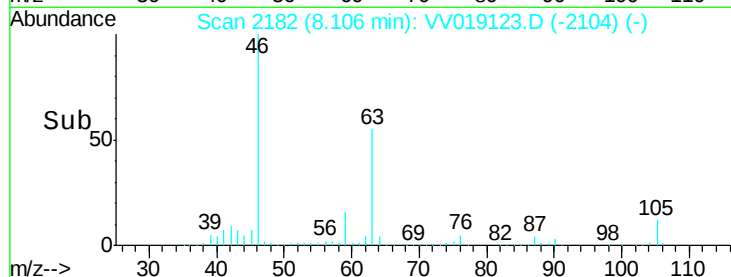
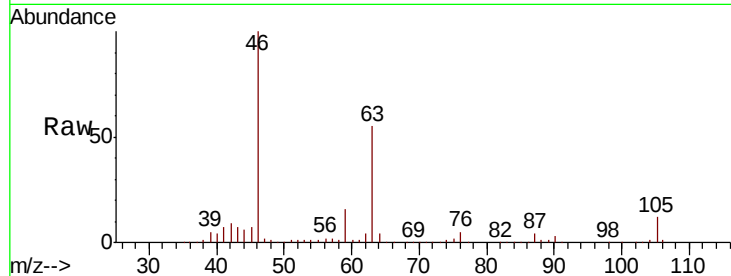




#48
2-Hexanone
Concen: 5.750 ug/L
RT: 8.11 min Scan# 2182
Delta R.T. -0.05 min
Lab File: VV019123.D
Acq: 26 Oct 2020 16:44

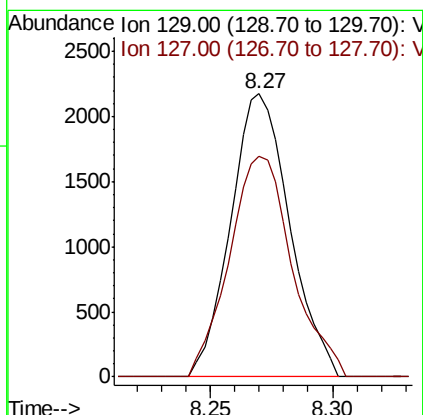
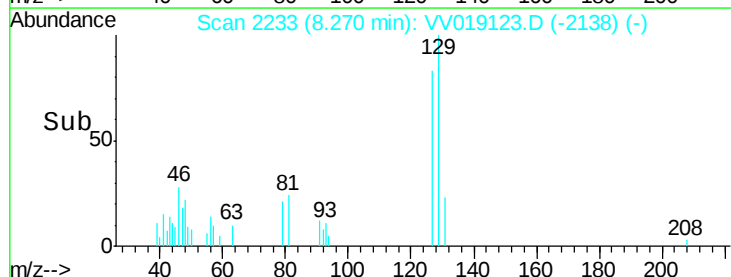
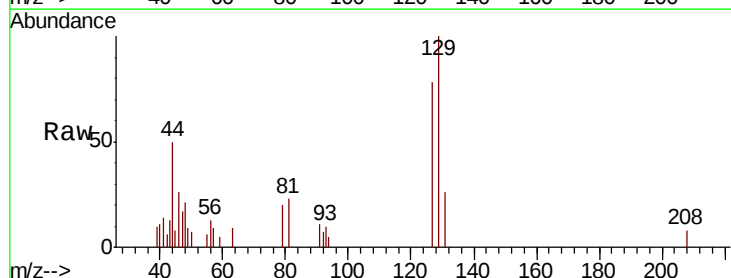
Instrument :
MSVOA_V
ClientSampleId :
BG454

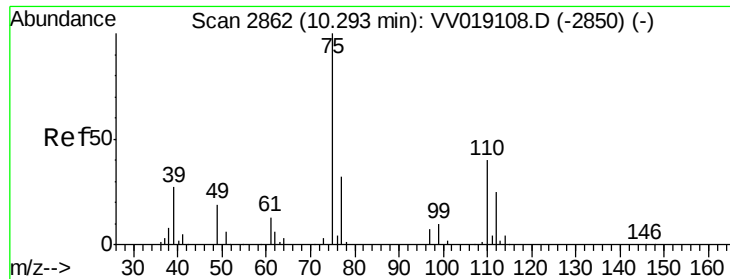
Tot Ion: 43 Resp: 13228
Ion Ratio Lower Upper
43 100
58 23.6 41.1 61.7#
57 27.3 14.7 22.1#
100 0.5 8.6 12.8#



#49
Dibromochloromethane
Concen: 1.710 ug/L
RT: 8.27 min Scan# 2233
Delta R.T. 0.01 min
Lab File: VV019123.D
Acq: 26 Oct 2020 16:44

Tgt Ion: 129 Resp: 3647
Ion Ratio Lower Upper
129 100
127 78.1 53.7 99.7





#59

1,2,3-Trichloropropane

Concen: 5.684 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV019123.D

Acq: 26 Oct 2020 16:44

Instrument :

MSVOA_V

ClientSampled :

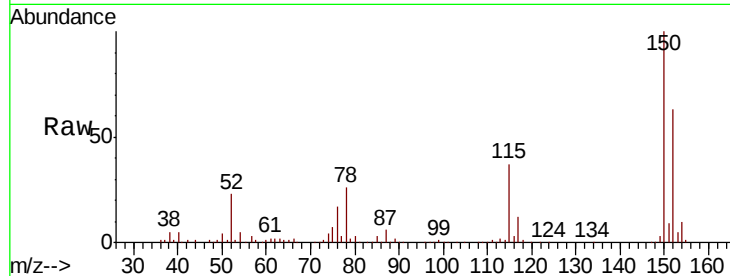
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Tot Ion: 75 Resp: 14688

Ion Ratio Lower Upper

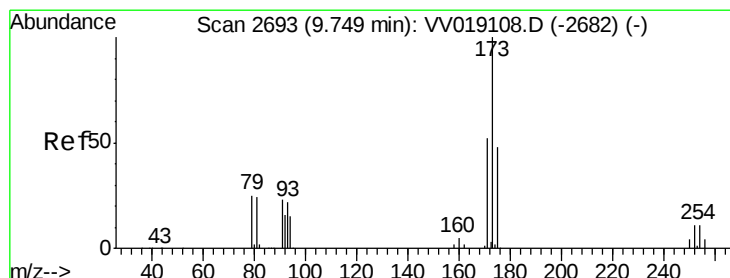
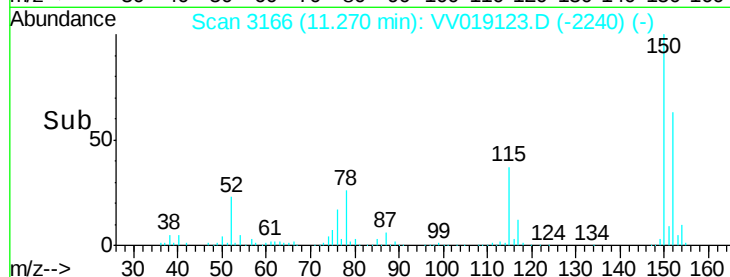
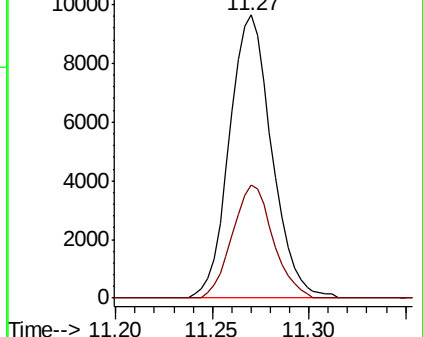
75 100

77 38.5 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VV019108.D (-2850) (-)

Ion 77.00 (76.70 to 77.70): VV019108.D (-2850) (-)



#61

Bromoform

Concen: 2.030 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.01 min

Lab File: VV019123.D

Acq: 26 Oct 2020 16:44

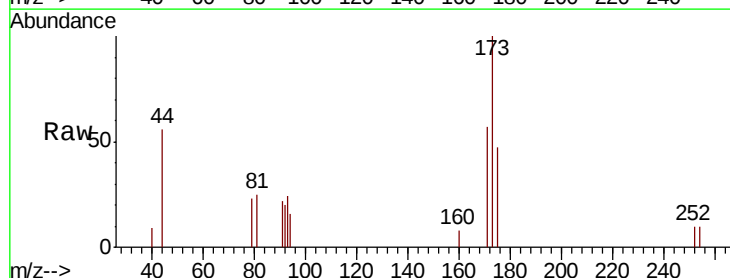
Tgt Ion: 173 Resp: 2849

Ion Ratio Lower Upper

173 100

175 47.3 38.3 57.5

254 9.5 8.3 12.5



Abundance Ion 173.00 (172.70 to 173.70): VV019108.D (-2682) (-)

Ion 175.00 (174.70 to 175.70): VV019108.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV019108.D (-2682) (-)

