

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081219\
 Data File : VV012207.D
 Acq On : 12 Aug 2019 16:02
 Operator : SY/MD
 Sample : VV0812WBL01
 Misc : 5mL/MSVOA V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 12 16:31:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081219WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Aug 12 15:58:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	461707	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	437342	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	197193	50.00	ug/L	0.00

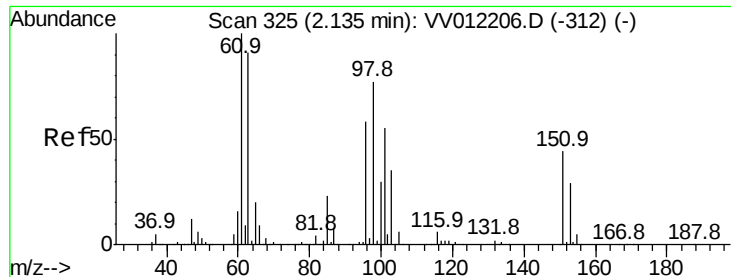
System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	149640	49.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.52%
7) Chloroethane-d5	1.58	69	134326	50.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.06%
11) 1,1-Dichloroethene-d2	2.13	63	213985	37.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.22%
21) 2-Butanone-d5	3.93	46	296185	110.27	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.27%
24) Chloroform-d	4.40	84	349257	50.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.30%
26) 1,2-Dichloroethane-d4	5.08	65	229273	52.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.52%
32) Benzene-d6	5.10	84	720793	52.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.54%
36) 1,2-Dichloropropane-d6	6.12	67	224309	52.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.88%
41) Toluene-d8	7.36	98	629633	50.41	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.82%
43) trans-1,3-Dichloropropene-	7.66	79	107684	49.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.72%
47) 2-Hexanone-d5	8.13	63	200631	107.34	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.34%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	314001	50.49	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.98%
64) 1,2-Dichlorobenzene-d4	11.67	152	256789	54.56	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.12%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	2395	0.855	ug/L #	30
12) 1,1-Dichloroethene	2.13	96	2149	0.808	ug/L #	1
13) Acetone	2.19	43	1064	0.501	ug/L	69
25) Chloroform	4.42	83	6155	1.037	ug/L	77
39) cis-1,3-Dichloropropene	7.03	75	6676	1.339	ug/L #	67
44) trans-1,3-Dichloropropene	7.66	75	5398	1.187	ug/L	93
48) 2-Hexanone	8.18	43	8585	2.394	ug/L #	51
59) 1,2,3-Trichloropropane	11.29	75	21797	5.464	ug/L	90
68) 1,2,4-trichlorobenzene	13.31	180	1843	0.467	ug/L	91
69) Naphthalene	13.56	128	3525	0.311	ug/L #	79

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



#10

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

Concen: 0.855 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV012207.D

Acq: 12 Aug 2019 16:02

Instrument :

MSVOA_U

ClientSampleId :

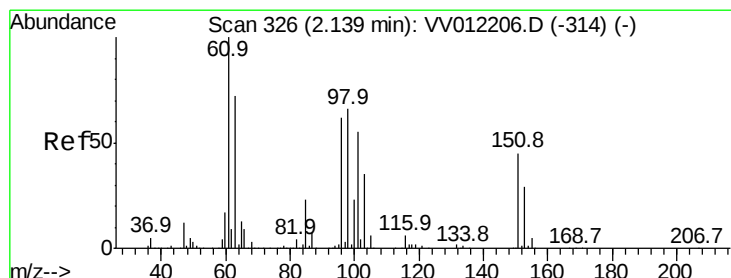
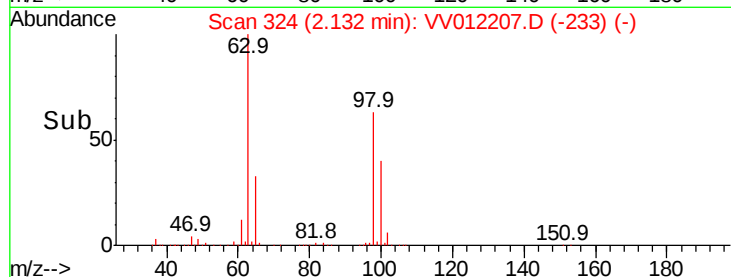
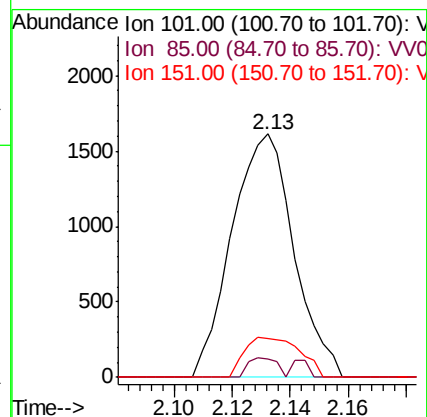
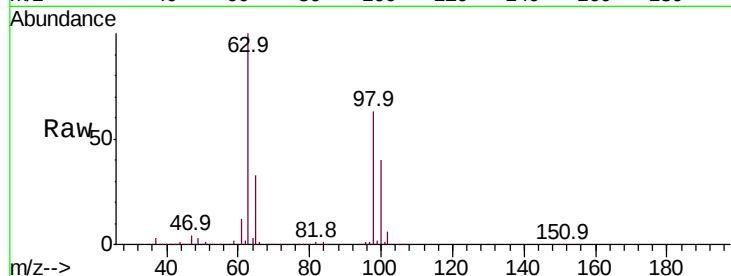
Tot Ion:101 Resp: 2395

Ion Ratio Lower Upper

101 100

85 3.7 32.8 49.2#

151 14.6 65.0 97.6#



#12

1,1-Dichloroethene

Concen: 0.808 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV012207.D

Acq: 12 Aug 2019 16:02

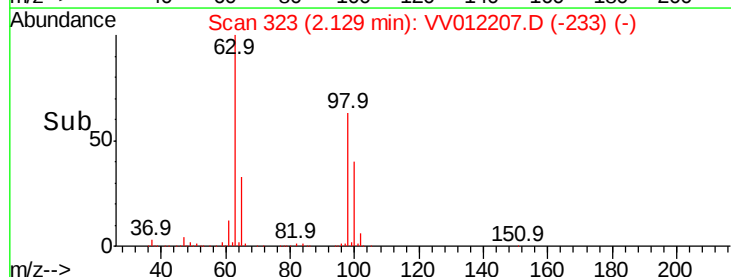
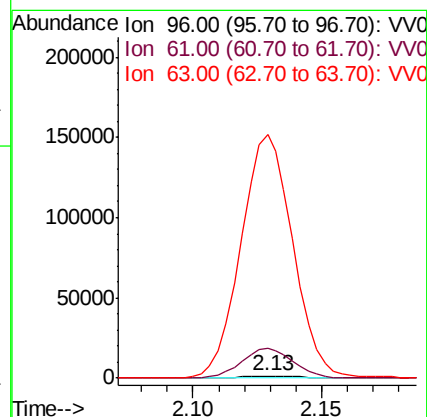
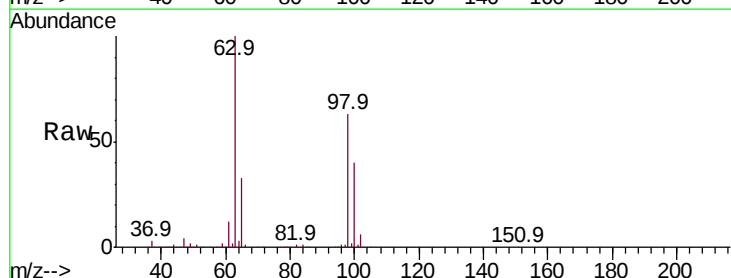
Tgt Ion: 96 Resp: 2149

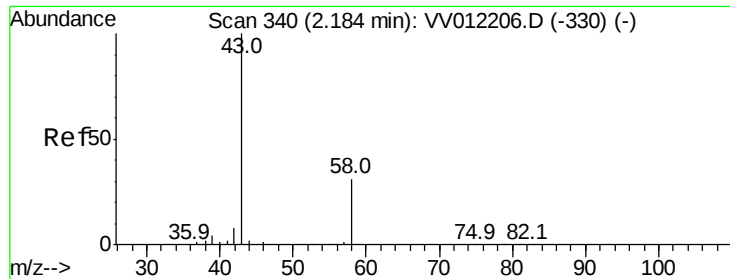
Ion Ratio Lower Upper

96 100

61 1376.3 115.9 215.3#

63 11113.3 90.0 167.2#





#13

Acetone

Concen: 0.501 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.01 min

Lab File: VV012207.D

Acq: 12 Aug 2019 16:02

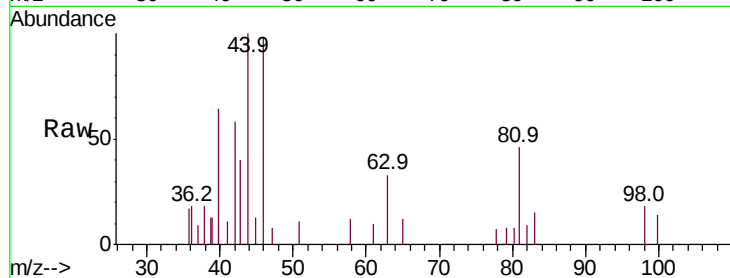
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 1064

Ion Ratio Lower Upper

43 100

58 14.7 0.0 63.2



Abundance Ion 43.00 (42.70 to 43.70): VV012206.D (-330) (-)

Ion 58.00 (57.70 to 58.70): VV012206.D (-330) (-)

2.19

600

400

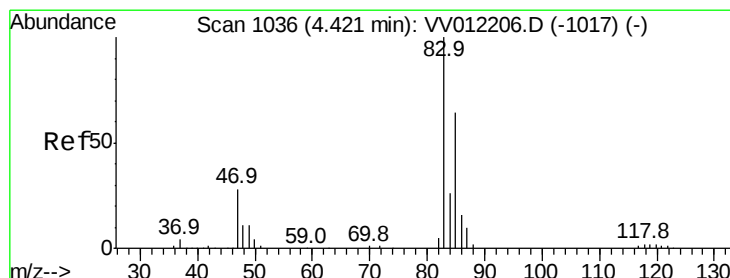
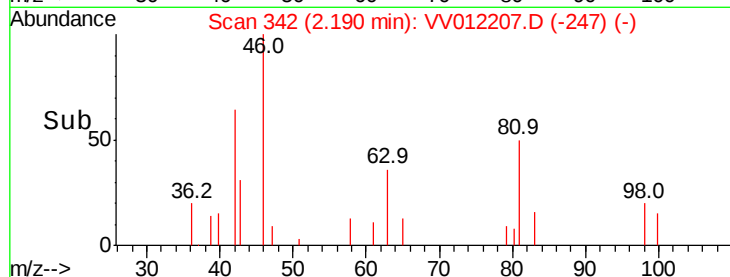
200

0

2.15

2.20

Time-->



#25

Chloroform

Concen: 1.037 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VV012207.D

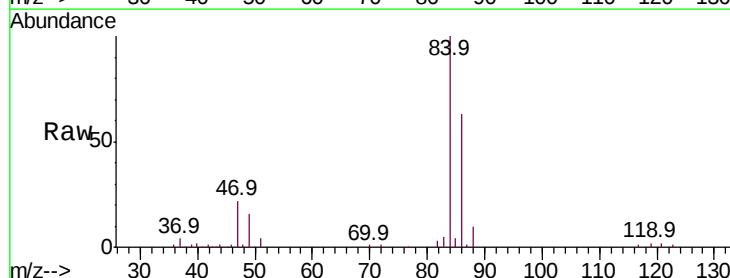
Acq: 12 Aug 2019 16:02

Tgt Ion: 83 Resp: 6155

Ion Ratio Lower Upper

83 100

85 83.2 45.4 84.2



Abundance Ion 83.00 (82.70 to 83.70): VV012206.D (-1017) (-)

Ion 85.00 (84.70 to 85.70): VV012206.D (-1017) (-)

4.42

2500

2000

1500

1000

500

0

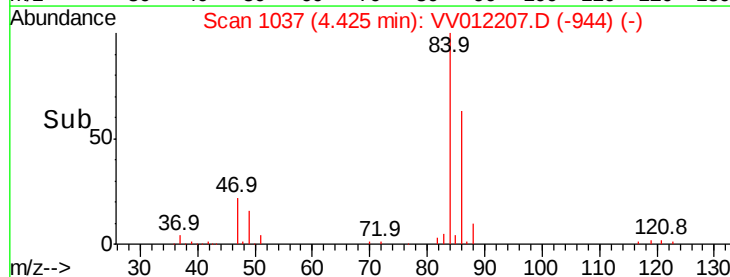
4.35

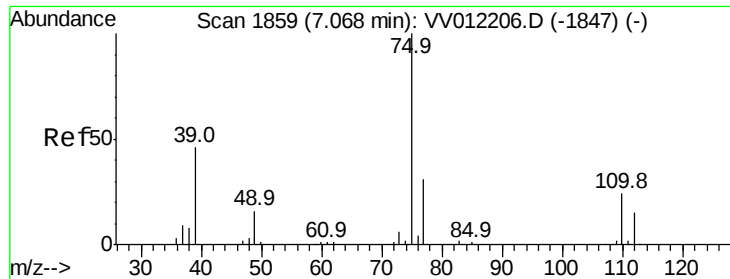
4.40

4.45

4.50

Time-->

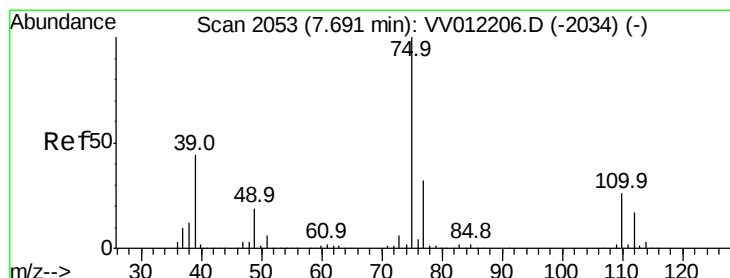
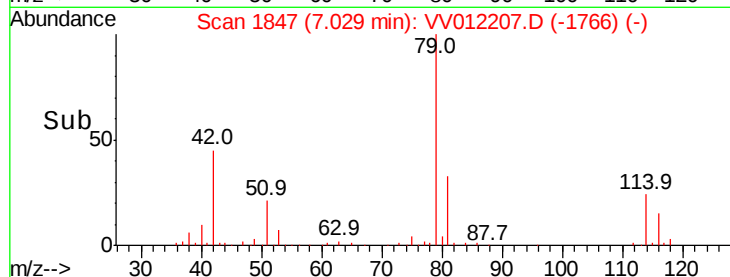
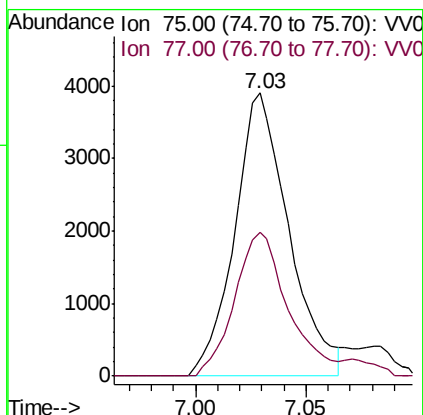
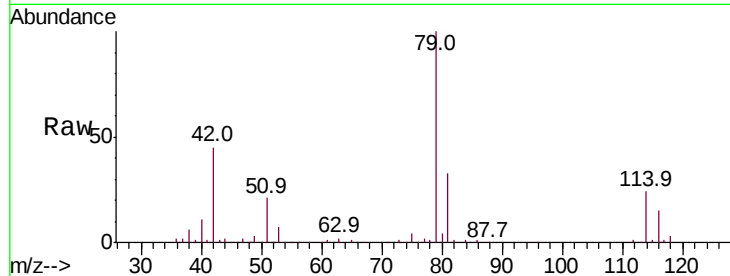




#39
 cis-1,3-Dichloropropene
 Concen: 1.339 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.04 min
 Lab File: VV012207.D
 Acq: 12 Aug 2019 16:02

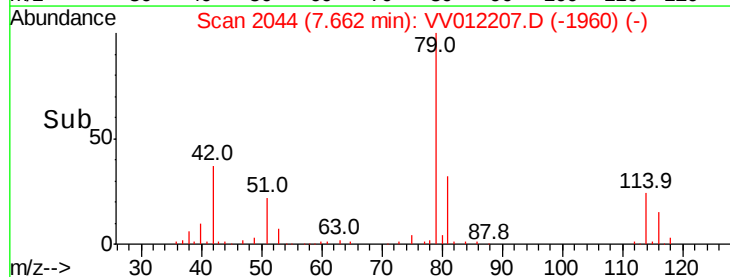
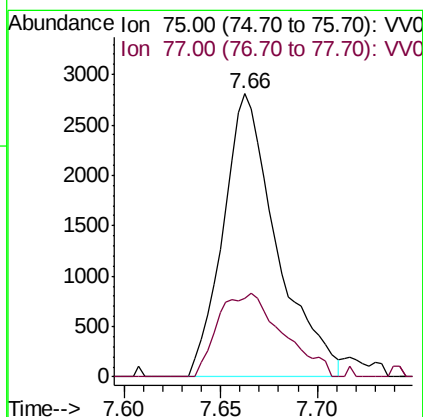
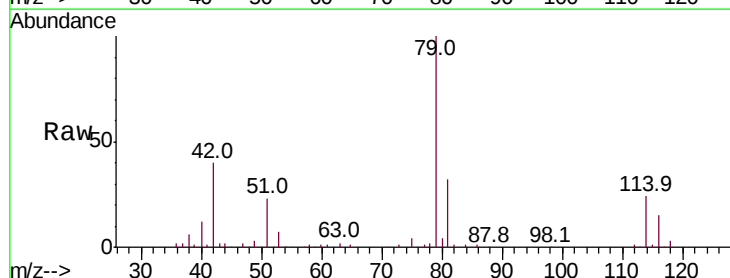
Instrument :
 MSVOA_U
 ClientSampled :

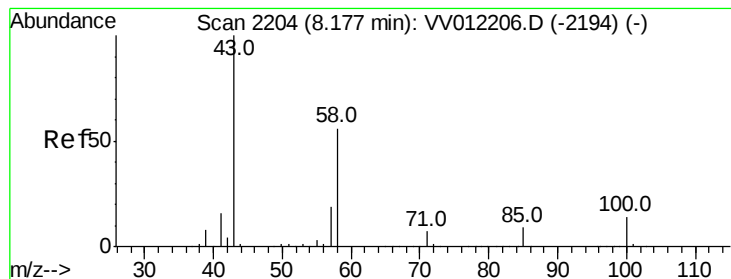
Tot Ion: 75 Resp: 6676
 Ion Ratio Lower Upper
 75 100
 77 50.9 22.6 42.0#



#44
 trans-1,3-Dichloropropene
 Concen: 1.187 ug/L
 RT: 7.66 min Scan# 2044
 Delta R.T. -0.03 min
 Lab File: VV012207.D
 Acq: 12 Aug 2019 16:02

Tgt Ion: 75 Resp: 5398
 Ion Ratio Lower Upper
 75 100
 77 27.7 22.0 40.8





#48

2-Hexanone

Concen: 2.394 ug/L

RT: 8.18 min Scan# 2206

Delta R.T. 0.01 min

Lab File: VV012207.D

Acq: 12 Aug 2019 16:02

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 8585

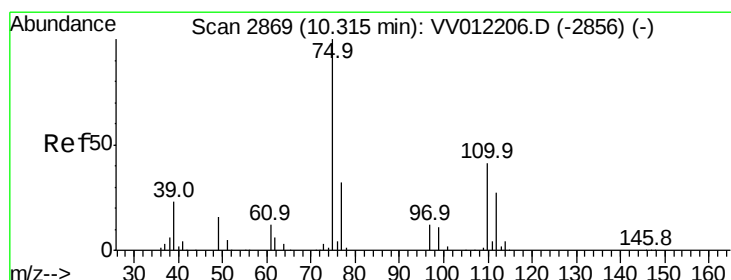
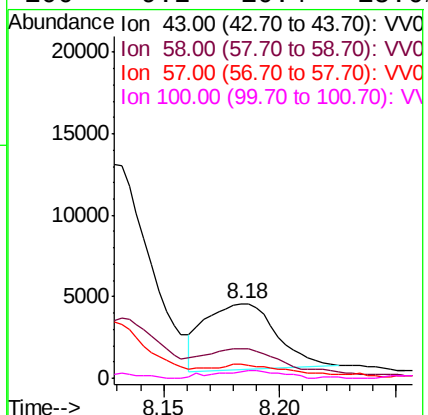
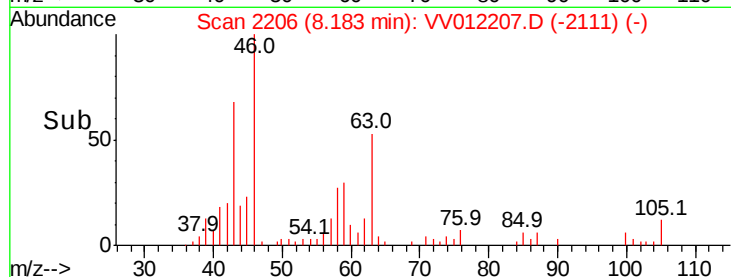
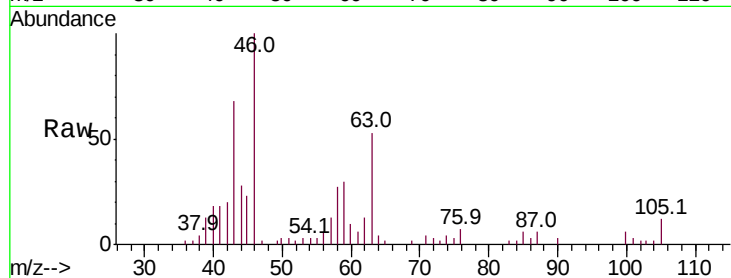
Ion Ratio Lower Upper

43 100

58 0.0 43.5 65.3#

57 18.7 15.1 22.7

100 9.2 10.4 15.6#



#59

1,2,3-Trichloropropane

Concen: 5.464 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.98 min

Lab File: VV012207.D

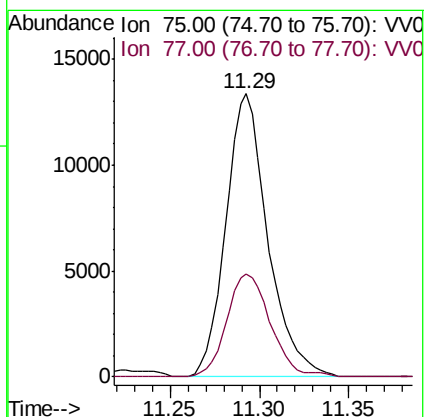
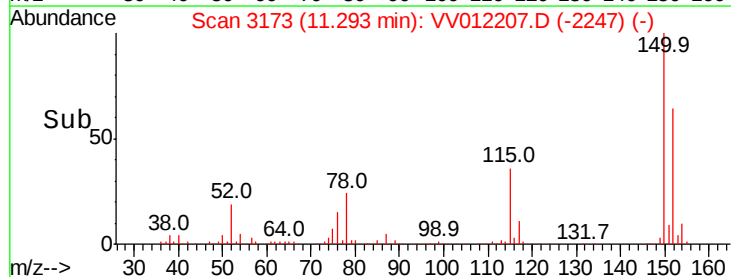
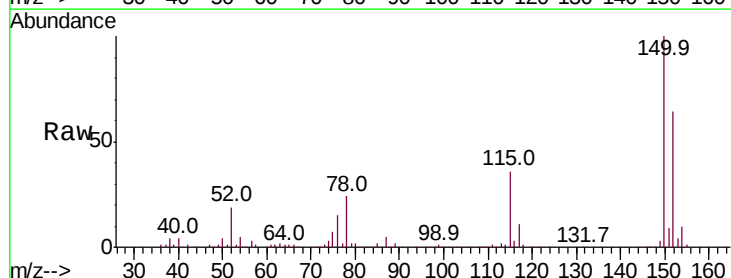
Acq: 12 Aug 2019 16:02

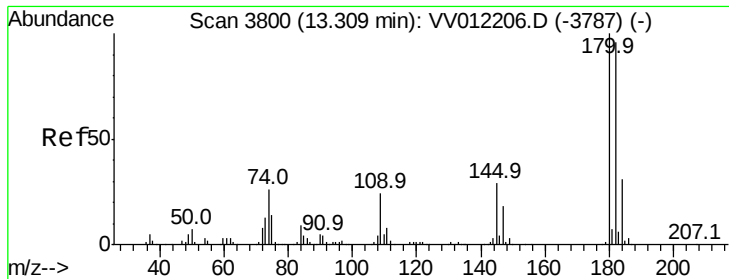
Tgt Ion: 75 Resp: 21797

Ion Ratio Lower Upper

75 100

77 37.4 25.4 38.2





#68

1,2,4-trichlorobenzene

Concen: 0.467 ug/L

RT: 13.31 min Scan# 3801

Delta R.T. 0.00 min

Lab File: VV012207.D

Acq: 12 Aug 2019 16:02

Instrument :

MSVOA_U

ClientSampleId :

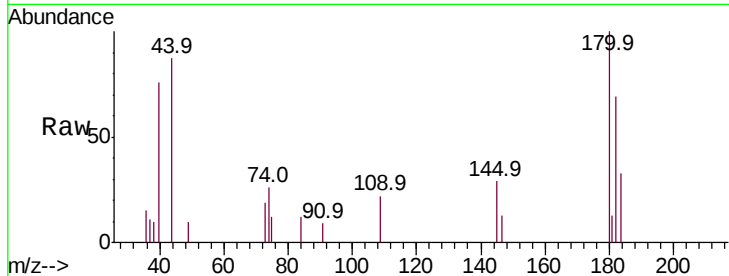
Tot Ion:180 Resp: 1843

Ion Ratio Lower Upper

180 100

182 83.7 76.6 115.0

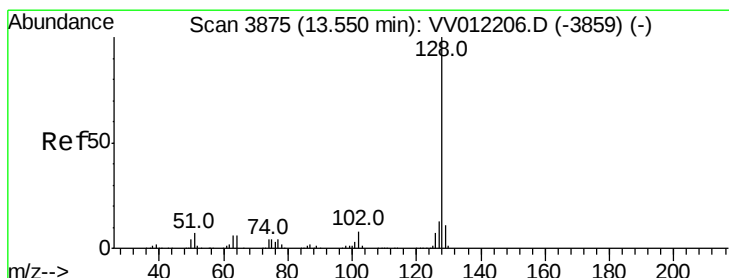
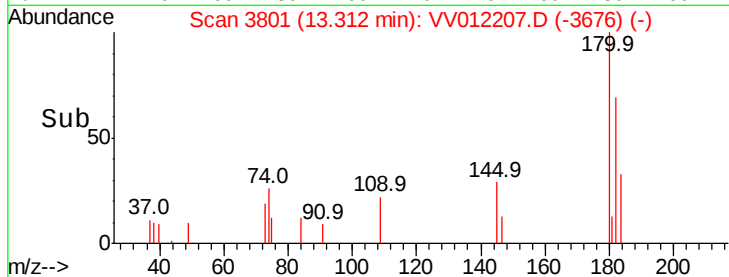
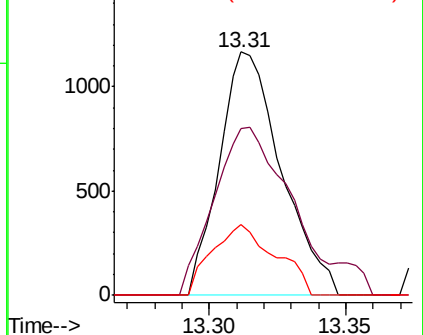
145 29.7 23.8 35.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#69

Naphthalene

Concen: 0.311 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.01 min

Lab File: VV012207.D

Acq: 12 Aug 2019 16:02

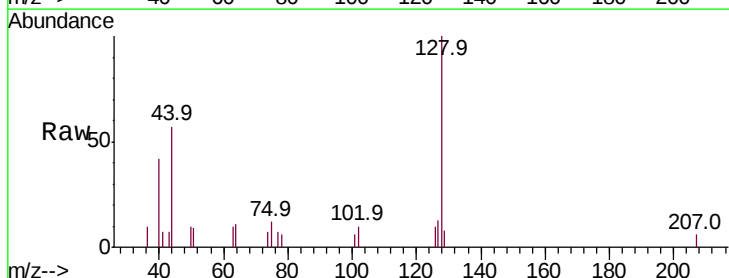
Tgt Ion:128 Resp: 3525

Ion Ratio Lower Upper

128 100

127 3.4 10.4 15.6#

129 4.7 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

