

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091619\
 Data File : VV012828.D
 Acq On : 16 Sep 2019 10:25
 Operator : SY/MD
 Sample : VSTD01036
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 16 16:39:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091619WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Sep 16 16:35:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	428922	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	422550	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	214458	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	273394	9.14	ug/L	0.00
7) Chloroethane-d5	1.58	69	211353	8.68	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	459652	9.50	ug/L	0.00
20) 2-Butanone-d5	3.97	46	433104	65.60	ug/L	0.00
24) Chloroform-d	4.40	84	436101	8.29	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	200186	8.01	ug/L	0.00
32) Benzene-d6	5.09	84	904894	8.95	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	260067	8.19	ug/L	0.00
41) Toluene-d8	7.36	98	865402	9.52	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	87519	8.07	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	301595	76.43	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	153076	6.97	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	276675	7.71	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	298669	8.232	ug/L 99
3) Chloromethane	1.25	50	285359	7.837	ug/L 96
5) Vinyl chloride	1.32	62	322712	8.537	ug/L 99
6) Bromomethane	1.53	94	166226	8.134	ug/L 99
8) Chloroethane	1.60	64	172193	7.851	ug/L 99
9) Trichlorofluoromethane	1.77	101	396051	8.396	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	231053	8.190	ug/L 99
12) 1,1-Dichloroethene	2.14	96	212521	7.966	ug/L 99
13) Acetone	2.23	43	326329	79.050	ug/L 96
14) Carbon disulfide	2.31	76	466193	6.736	ug/L 99
15) Methyl Acetate	2.47	43	96526	8.675	ug/L 96
16) Methylene chloride	2.53	84	236353	7.190	ug/L 98
17) Methyl tert-butyl Ether	2.81	73	562507	8.798	ug/L 98
18) trans-1,2-Dichloroethene	2.78	96	228621	7.696	ug/L 98
19) 1,1-Dichloroethane	3.22	63	485180	8.519	ug/L 99
21) 2-Butanone	4.06	43	645189	91.629	ug/L 97
22) cis-1,2-Dichloroethene	3.96	96	269643	8.295	ug/L 98
23) Bromochloromethane	4.29	128	113508	8.150	ug/L 99
25) Chloroform	4.42	83	511984	8.137	ug/L 98
27) 1,2-Dichloroethane	5.18	62	284041	8.627	ug/L 100
29) 1,1,1-Trichloroethane	4.65	97	403952	8.609	ug/L 99
30) Cyclohexane	4.72	56	373003	8.184	ug/L 98
31) Carbon tetrachloride	4.87	117	344210	8.381	ug/L 100
33) Benzene	5.14	78	1044007	8.472	ug/L 100
34) Trichloroethene	5.95	95	288402	8.420	ug/L 99
35) Methylcyclohexane	6.17	83	391140	8.255	ug/L 99
37) 1,2-Dichloropropane	6.22	63	282758	9.111	ug/L 98
38) Bromodichloromethane	6.55	83	346763	8.597	ug/L 98
39) cis-1,3-Dichloropropene	7.07	75	360378	8.915	ug/L 99
40) 4-Methyl-2-pentanone	7.28	43	1735421	100.096	ug/L 97

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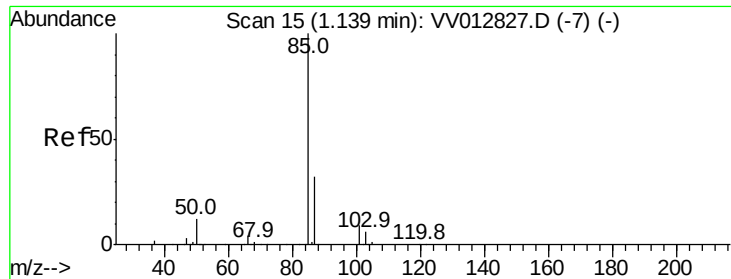
Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 16 16:39:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091619WMA.M
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.43	91	1130728	8.831	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	283398	9.198	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	196072	9.034	ug/L	96
47) Tetrachloroethene	8.02	164	212465	7.988	ug/L	98
48) 2-Hexanone	8.19	43	1270052	101.445	ug/L	99
49) Dibromochloromethane	8.29	129	227278	8.813	ug/L	99
50) 1,2-Dibromoethane	8.40	107	166054	8.703	ug/L	99
51) Chlorobenzene	8.92	112	726793	8.555	ug/L	98
52) Ethylbenzene	9.05	91	1231184	8.943	ug/L	100
53) m,p-xylene	9.18	106	467404	9.008	ug/L	98
54) o-xylene	9.59	106	458366	9.187	ug/L	99
55) Styrene	9.60	104	814864	9.778	ug/L	99
56) Isopropylbenzene	9.97	105	1243885	9.387	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	186018	8.685	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	160694	8.729	ug/L	98
61) Bromoform	9.77	173	120651	8.326	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	595431	8.844	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	588867	8.651	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	558575	8.767	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	25995	7.997	ug/L	85
67) 1,3,5-Trichlorobenzene	12.69	180	446365	8.759	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	352793	8.775	ug/L	98
69) Naphthalene	13.55	128	548523	9.136	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	354090	9.306	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 8.232 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV012828.D

Acq: 16 Sep 2019 10:25

Instrument :

MSVOA_V

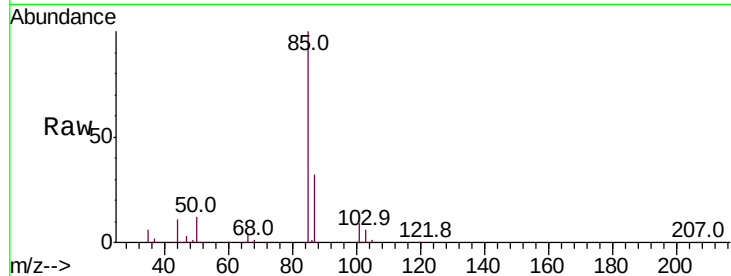
ClientSampleId :

Tot Ion: 85 Resp: 298669

Ion Ratio Lower Upper

85 100

87 31.9 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

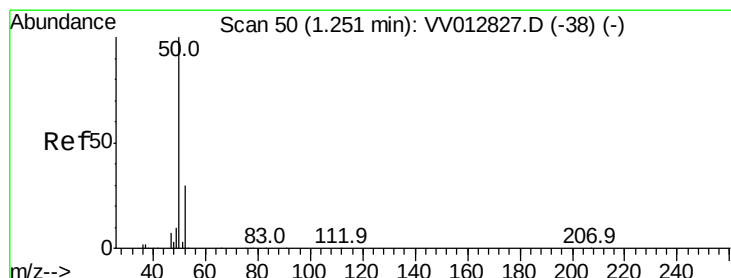
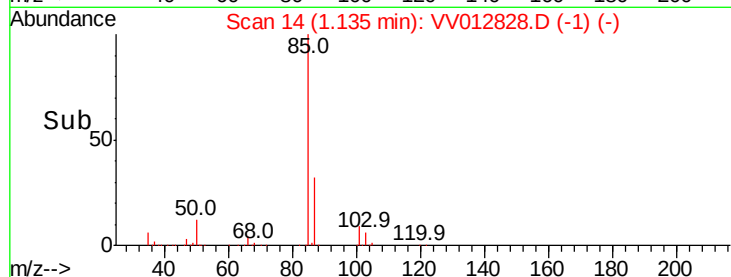
300000

200000

100000

0

Time--> 1.05 1.10 1.15 1.20 1.25



#3

Chloromethane

Concen: 7.837 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV012828.D

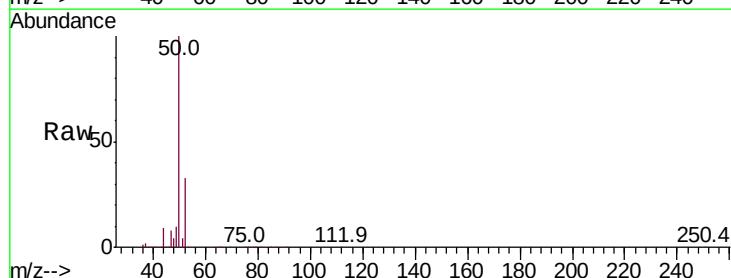
Acq: 16 Sep 2019 10:25

Tgt Ion: 50 Resp: 285359

Ion Ratio Lower Upper

50 100

52 32.8 21.3 39.6



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0

1.25

250000

200000

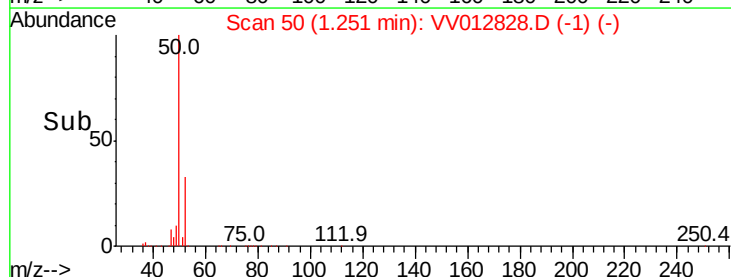
150000

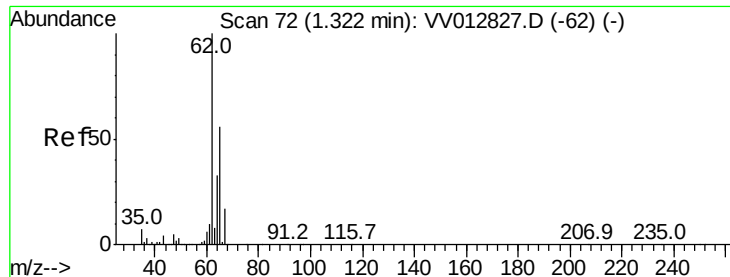
100000

50000

0

Time--> 1.20 1.25 1.30





#5

Vinyl chloride

Concen: 8.537 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV012828.D

Acq: 16 Sep 2019 10:25

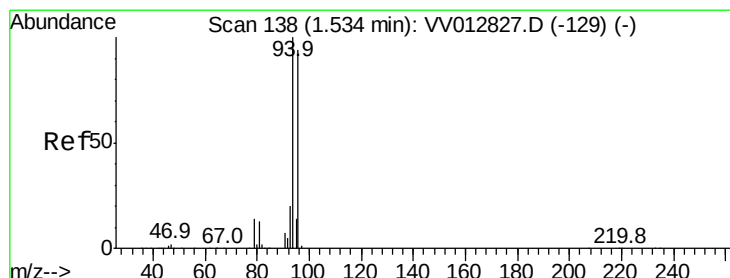
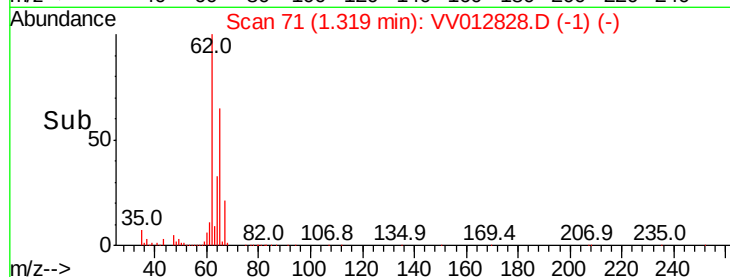
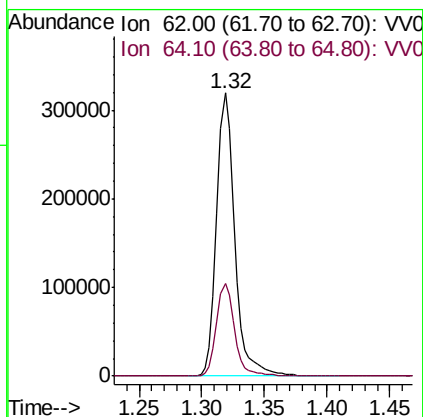
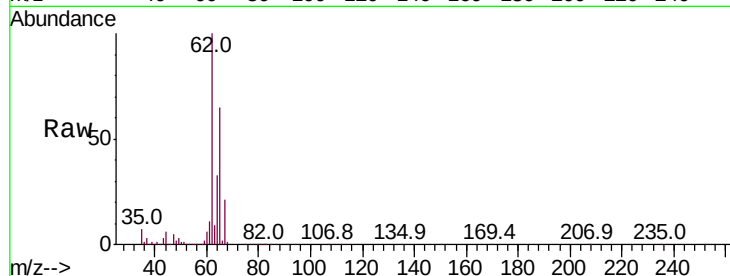
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 322712

Ion Ratio Lower Upper

62 100

64 32.8 23.2 43.0



#6

Bromomethane

Concen: 8.134 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV012828.D

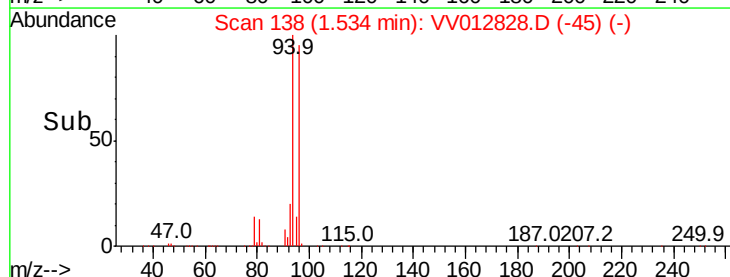
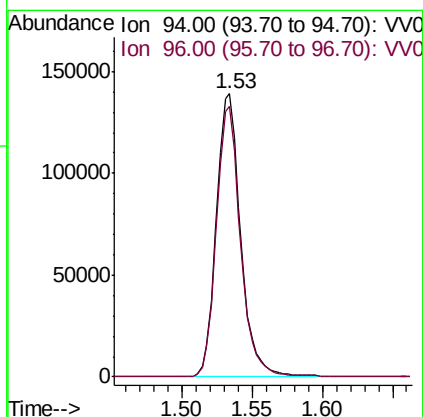
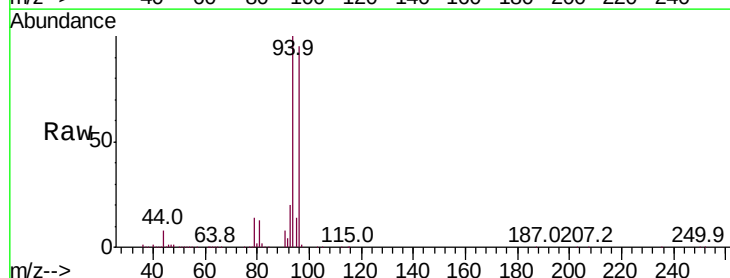
Acq: 16 Sep 2019 10:25

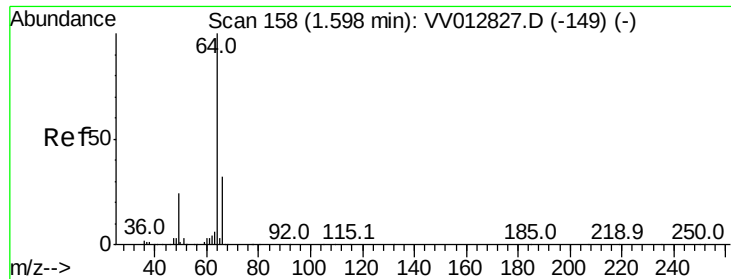
Tgt Ion: 94 Resp: 166226

Ion Ratio Lower Upper

94 100

96 95.5 66.1 122.7





#8

Chloroethane

Concen: 7.851 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV012828.D

Acq: 16 Sep 2019 10:25

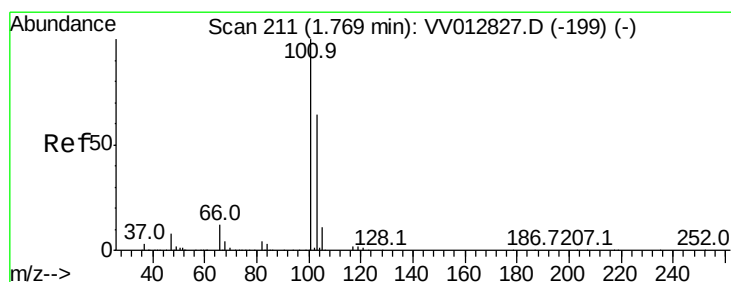
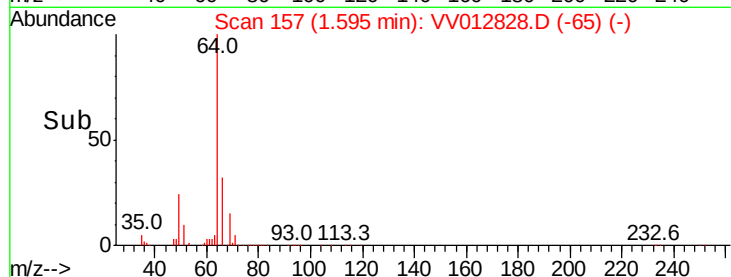
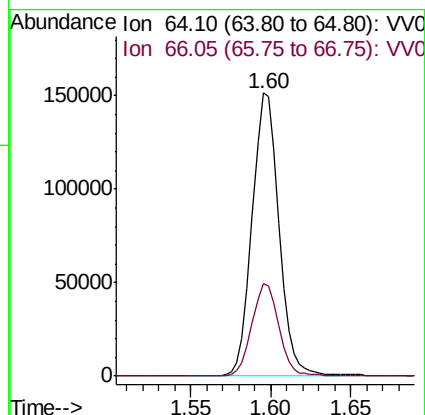
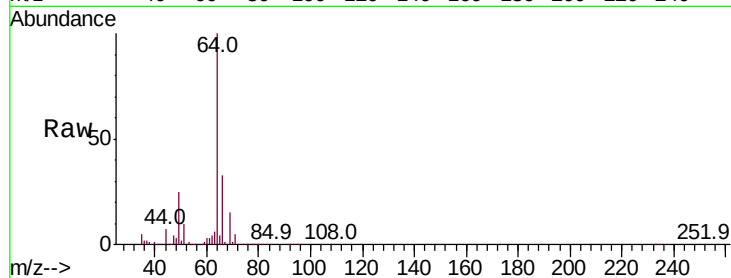
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 172193

Ion Ratio Lower Upper

64 100

66 32.6 22.3 41.5



#9

Trichlorofluoromethane

Concen: 8.396 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV012828.D

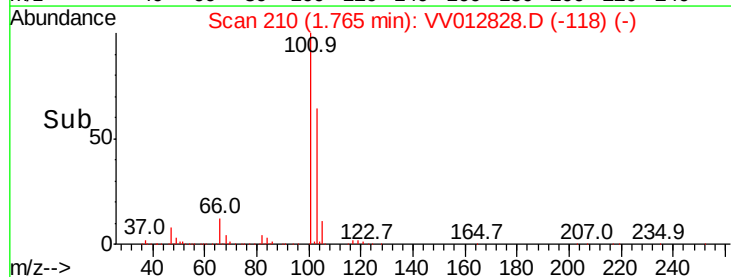
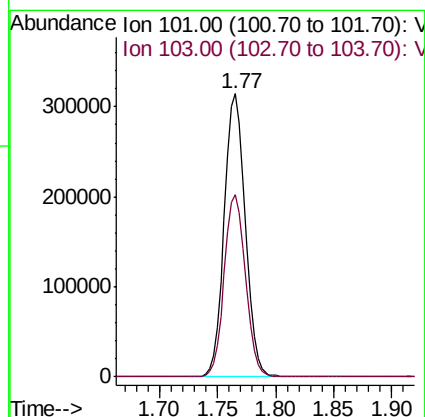
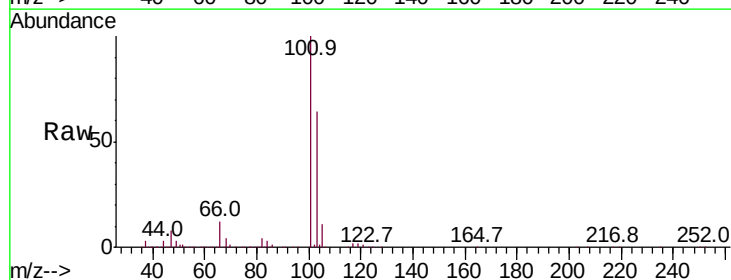
Acq: 16 Sep 2019 10:25

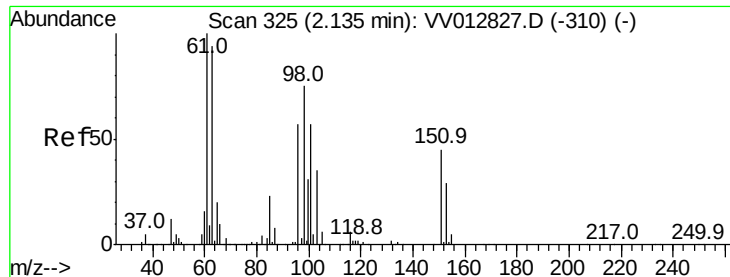
Tgt Ion: 101 Resp: 396051

Ion Ratio Lower Upper

101 100

103 65.1 51.2 76.8





#10

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

Concen: 8.190 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV012828.D

Acq: 16 Sep 2019 10:25

Instrument :

MSVOA_V

ClientSampleId :

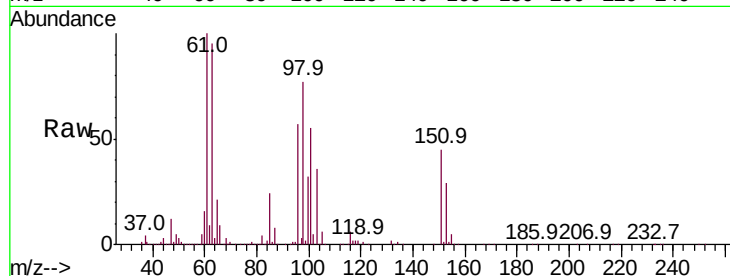
Tot Ion:101 Resp: 231053

Ion Ratio Lower Upper

101 100

85 42.0 32.9 49.3

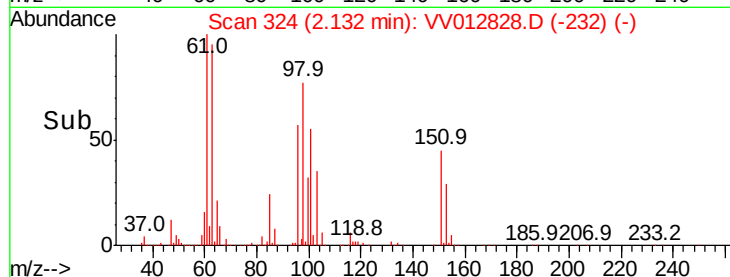
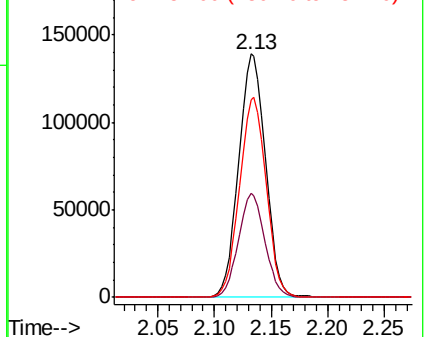
151 81.5 65.0 97.6



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



#12

1,1-Dichloroethene

Concen: 7.966 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV012828.D

Acq: 16 Sep 2019 10:25

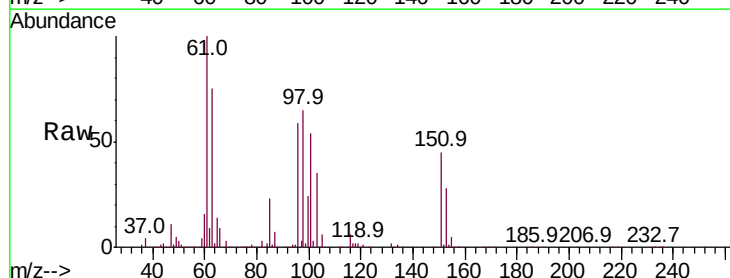
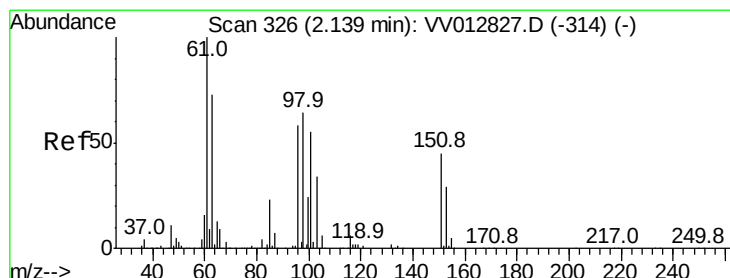
Tgt Ion: 96 Resp: 212521

Ion Ratio Lower Upper

96 100

61 169.3 120.1 223.1

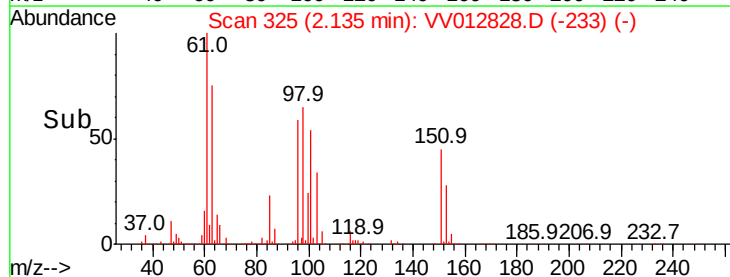
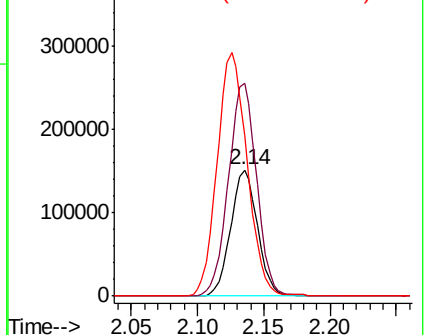
63 127.1 88.3 164.1

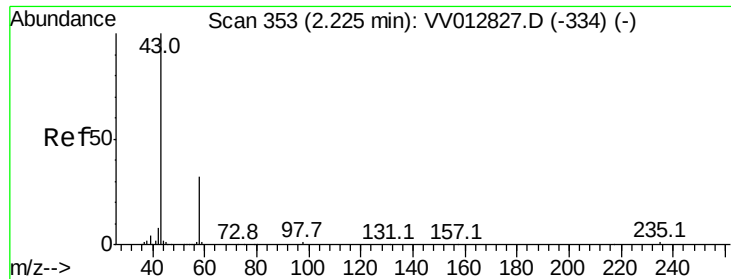


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 79.050 ug/L

RT: 2.23 min Scan# 354

Delta R.T. 0.00 min

Lab File: VV012828.D

Acq: 16 Sep 2019 10:25

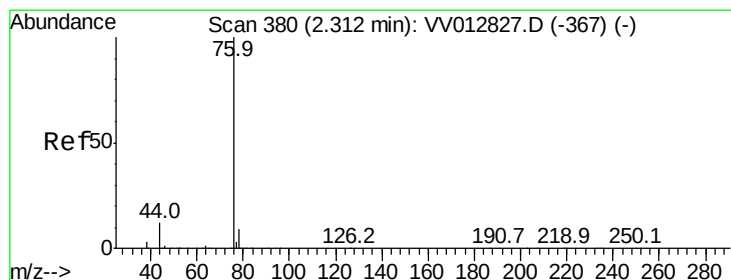
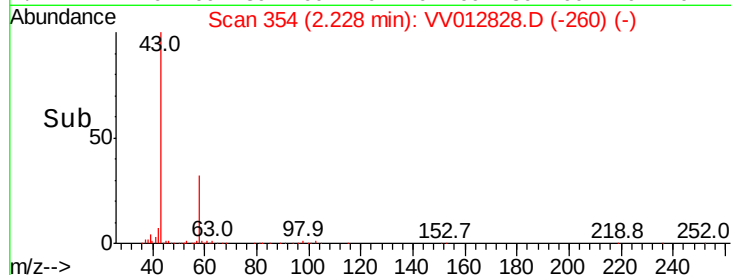
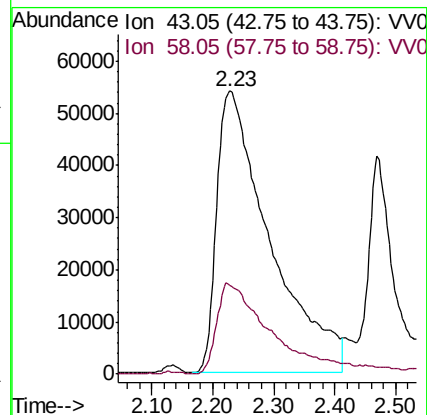
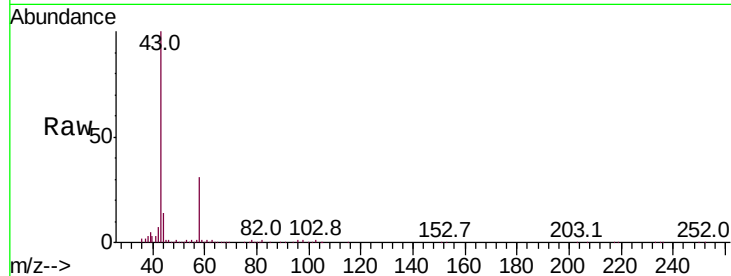
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 326329

Ion Ratio Lower Upper

43 100

58 30.6 0.0 56.6



#14

Carbon disulfide

Concen: 6.736 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV012828.D

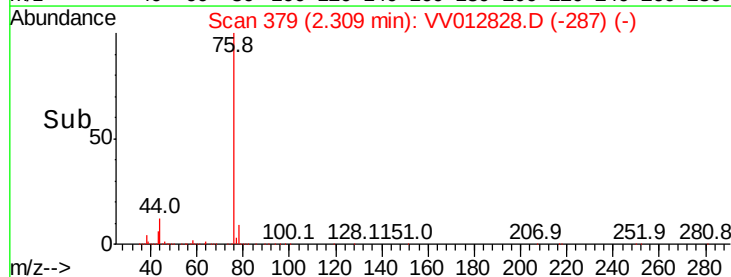
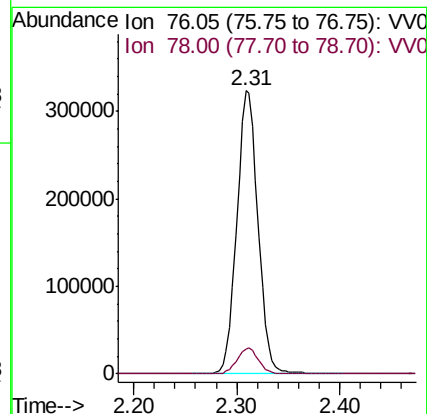
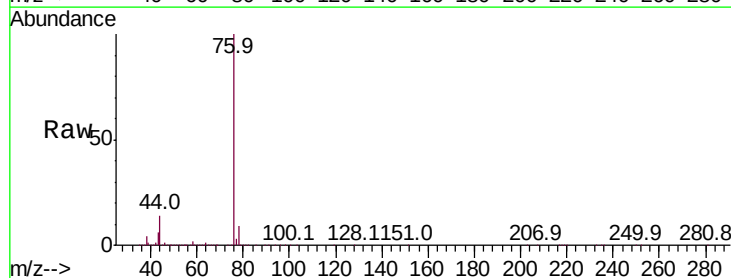
Acq: 16 Sep 2019 10:25

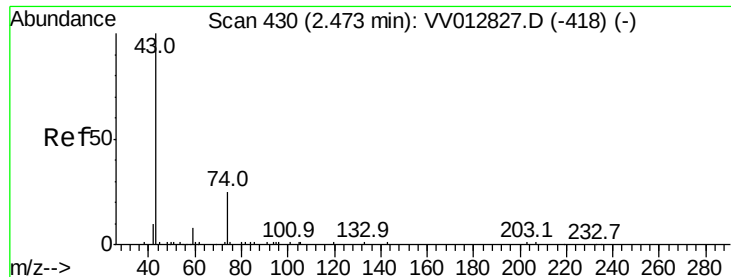
Tgt Ion: 76 Resp: 466193

Ion Ratio Lower Upper

76 100

78 9.0 7.6 11.4

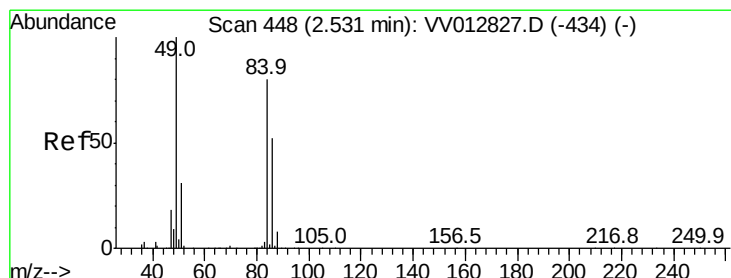
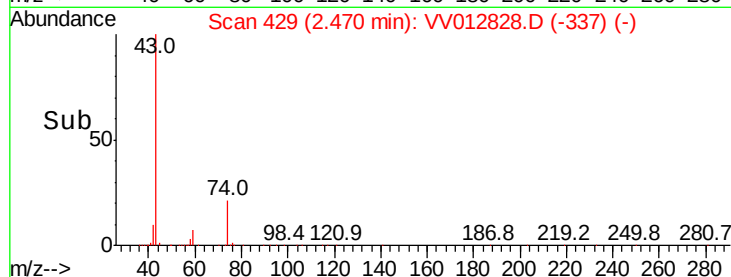
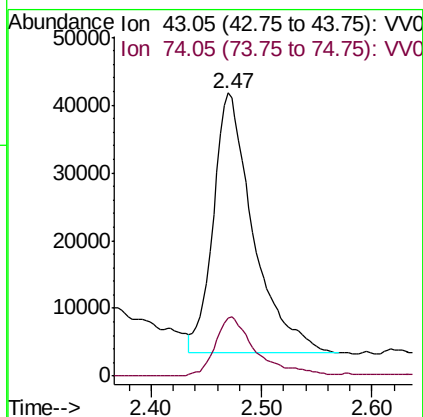
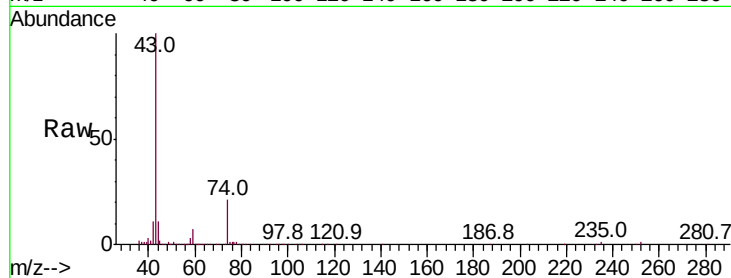




#15
Methvl Acetate
Concen: 8.675 ug/L
RT: 2.47 min Scan# 429
Delta R.T. -0.00 min
Lab File: VV012828.D
Acq: 16 Sep 2019 10:25

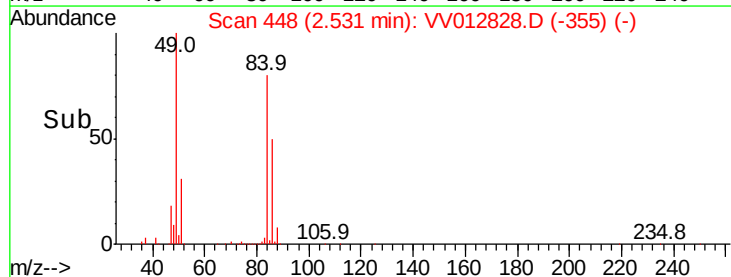
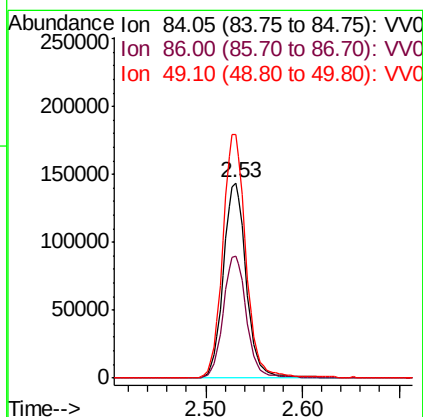
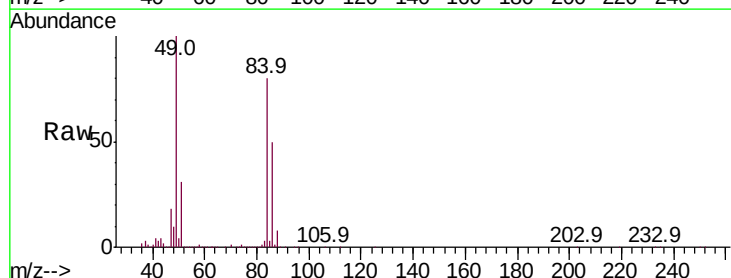
Instrument :
MSVOA_V
ClientSampleId :

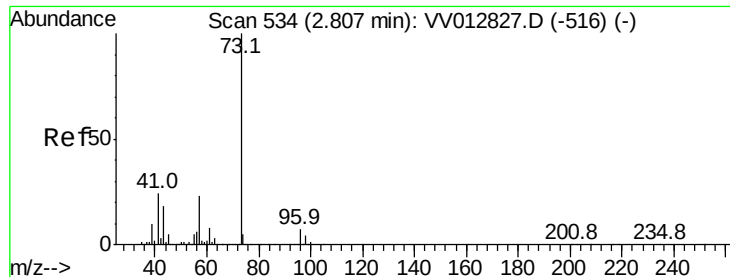
Tot Ion: 43 Resp: 96526
Ion Ratio Lower Upper
43 100
74 23.6 20.7 31.1



#16
Methylene chloride
Concen: 7.190 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV012828.D
Acq: 16 Sep 2019 10:25

Tgt Ion: 84 Resp: 236353
Ion Ratio Lower Upper
84 100
86 62.4 45.4 84.4
49 124.5 88.0 163.4

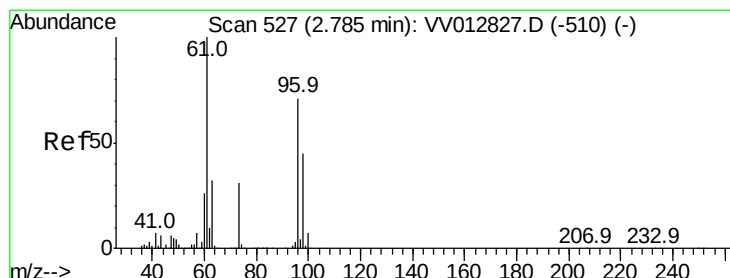
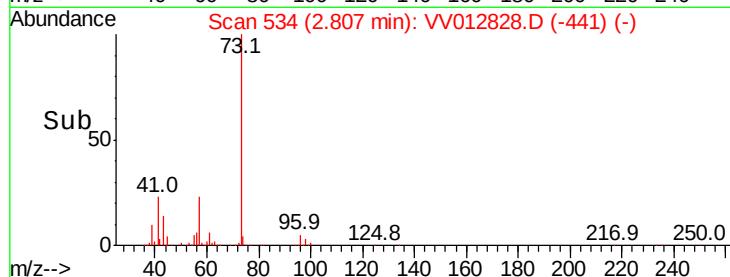
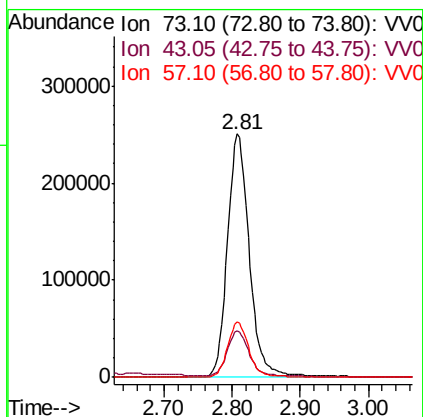
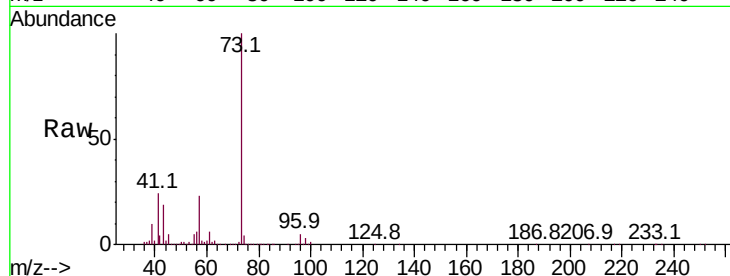




#17
Methyl tert-butyl Ether
Concen: 8.798 ug/L
RT: 2.81 min Scan# 534
Delta R.T. -0.00 min
Lab File: VV012828.D
Acq: 16 Sep 2019 10:25

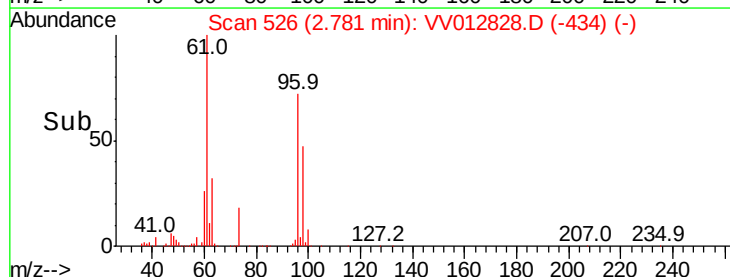
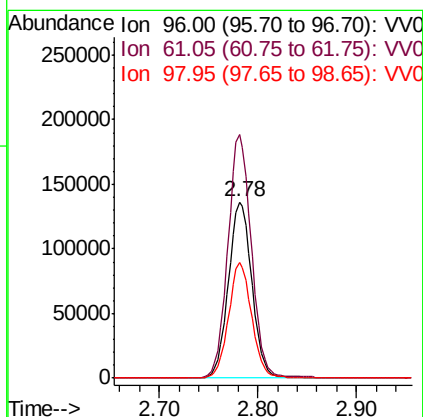
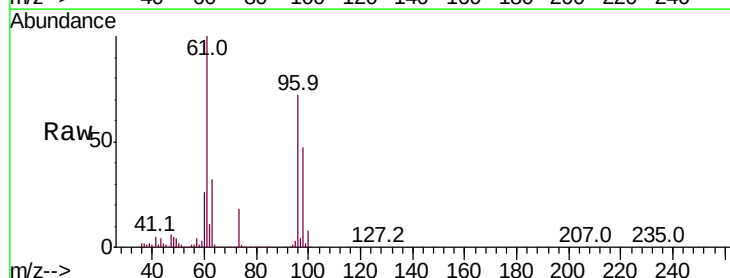
Instrument :
MSVOA_V
ClientSampleId :

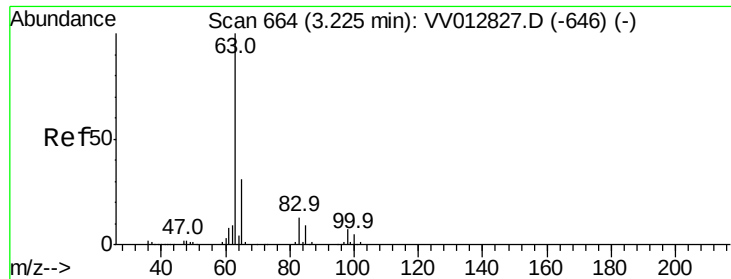
Tot Ion	Ratio	Lower	Upper
73	100		
43	18.7	14.5	21.7
57	21.9	18.2	27.4



#18
trans-1,2-Dichloroethene
Concen: 7.696 ug/L
RT: 2.78 min Scan# 526
Delta R.T. -0.00 min
Lab File: VV012828.D
Acq: 16 Sep 2019 10:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	138.4	98.2	182.4
98	65.4	44.6	82.8

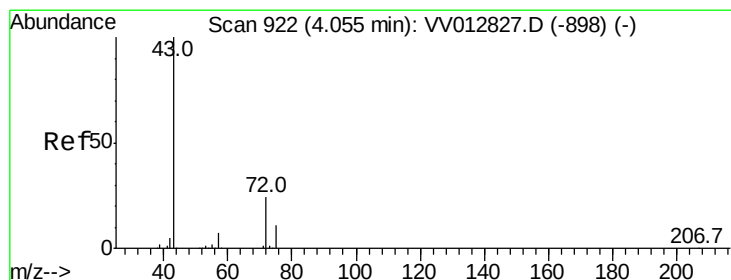
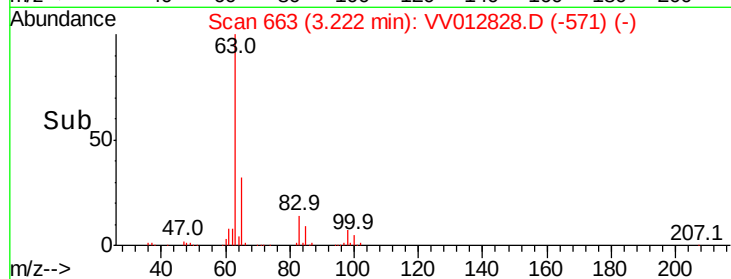
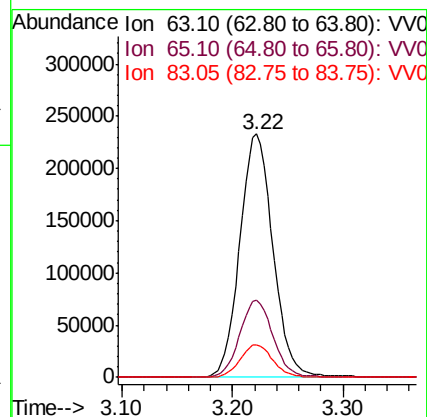
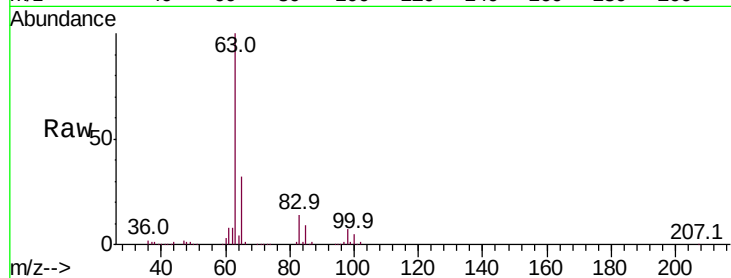




#19
 1,1-Dichloroethane
 Concen: 8.519 ug/L
 RT: 3.22 min Scan# 663
 Delta R.T. -0.00 min
 Lab File: VV012828.D
 Acq: 16 Sep 2019 10:25

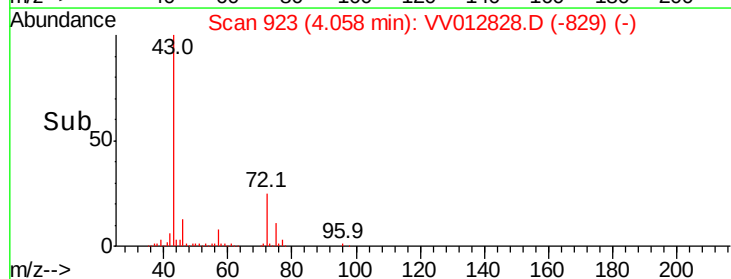
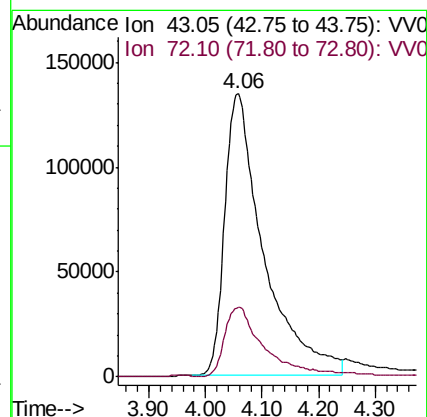
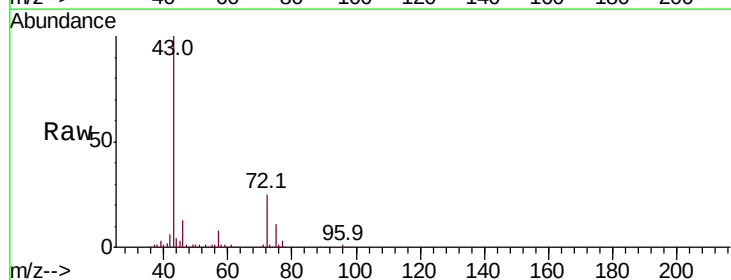
Instrument :
 MSVOA_V
 ClientSampleId :

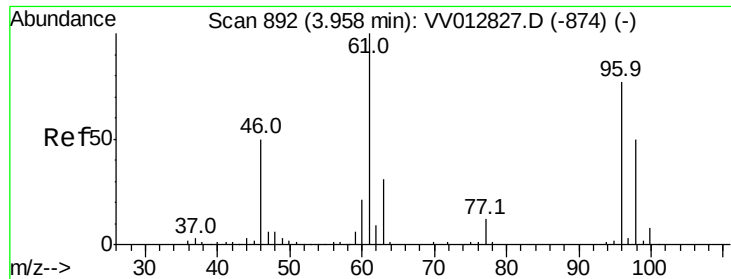
Tot Ion: 63 Resp: 485180
 Ion Ratio Lower Upper
 63 100
 65 31.6 21.8 40.4
 83 13.5 9.2 17.0



#21
 2-Butanone
 Concen: 91.629 ug/L
 RT: 4.06 min Scan# 923
 Delta R.T. 0.00 min
 Lab File: VV012828.D
 Acq: 16 Sep 2019 10:25

Tgt Ion: 43 Resp: 645189
 Ion Ratio Lower Upper
 43 100
 72 23.6 12.6 37.6



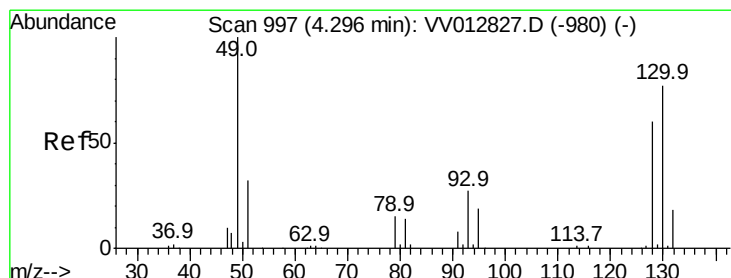
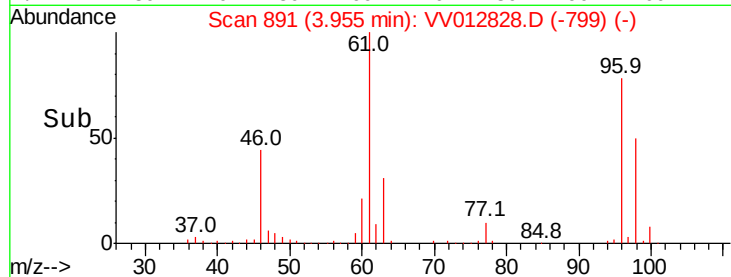
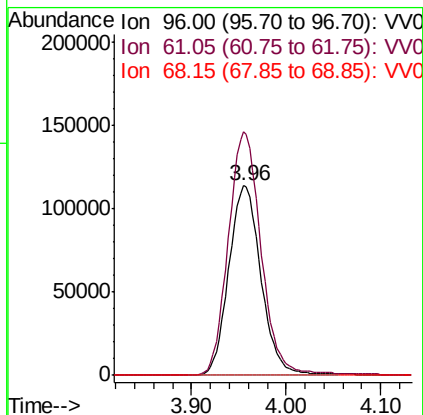
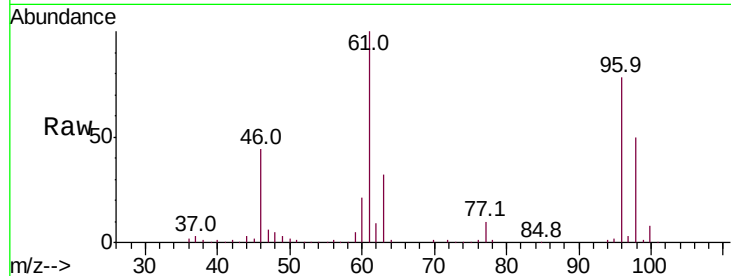


#22

cis-1,2-Dichloroethene
 Concen: 8.295 ug/L
 RT: 3.96 min Scan# 891
 Delta R.T. -0.00 min
 Lab File: VV012828.D
 Acq: 16 Sep 2019 10:25

Instrument :
 MSVOA_V
 ClientSampleId :

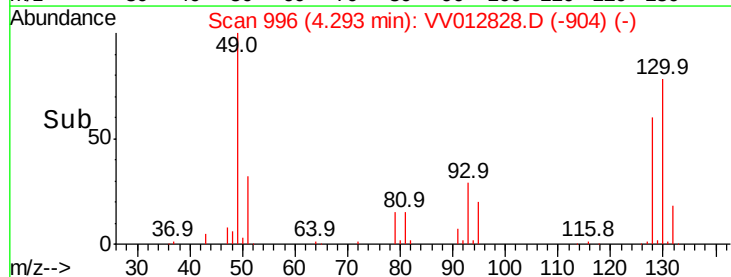
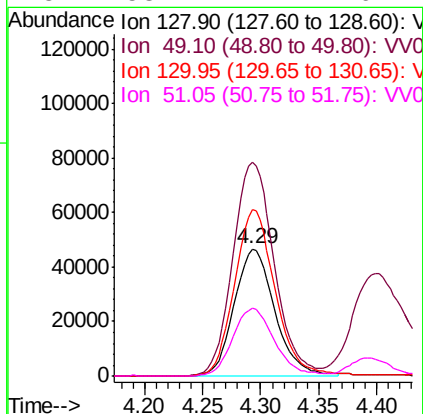
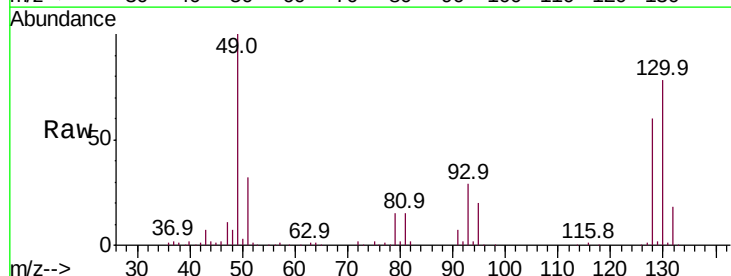
Tot Ion	Ratio	Lower	Upper
96	100		
61	128.4	91.2	169.4
68	0.0	0.0	0.0

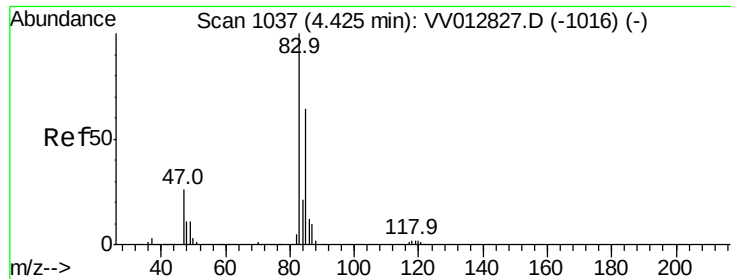


#23

Bromochloromethane
 Concen: 8.150 ug/L
 RT: 4.29 min Scan# 996
 Delta R.T. -0.00 min
 Lab File: VV012828.D
 Acq: 16 Sep 2019 10:25

Tgt Ion	Ratio	Lower	Upper
128	100		
49	168.0	117.5	218.3
130	130.8	89.9	167.0
51	53.4	42.7	64.1

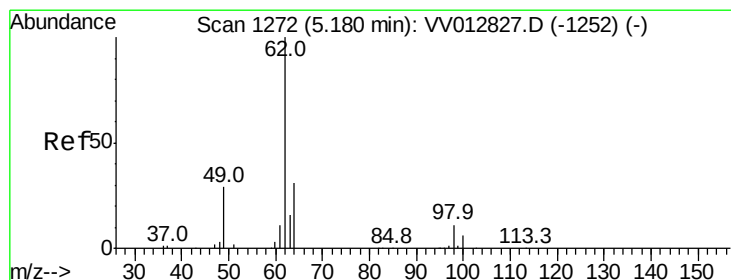
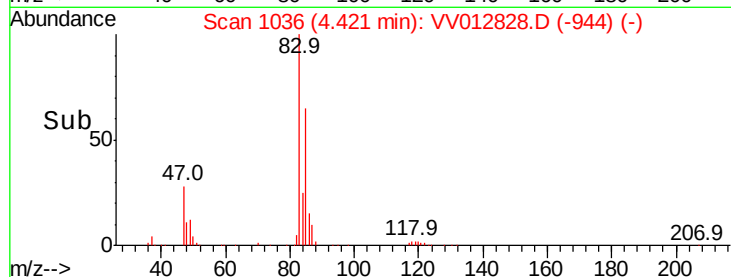
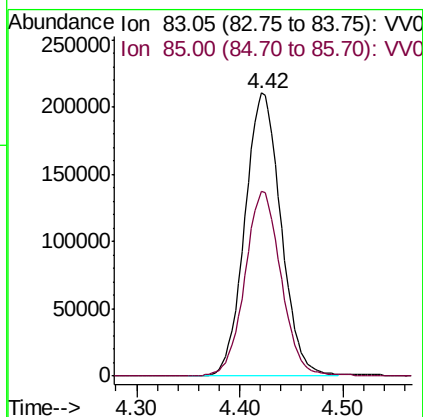
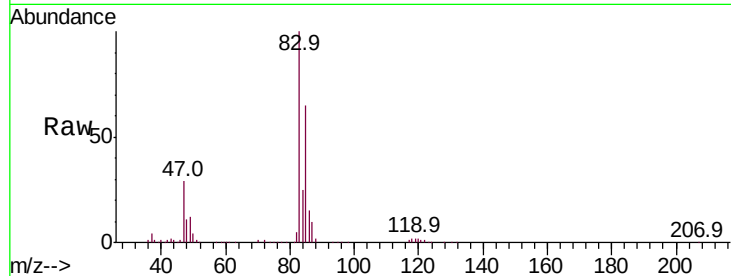




#25
Chloroform
Concen: 8.137 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV012828.D
Acq: 16 Sep 2019 10:25

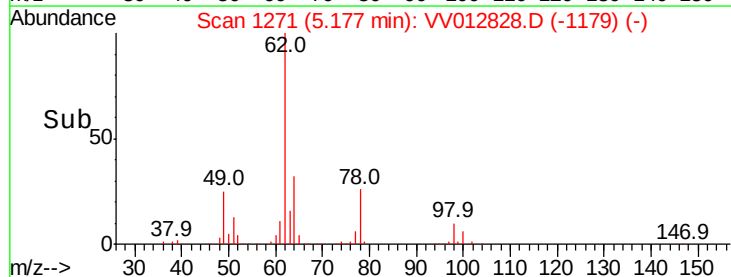
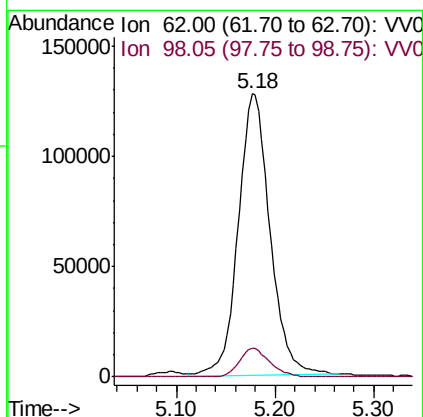
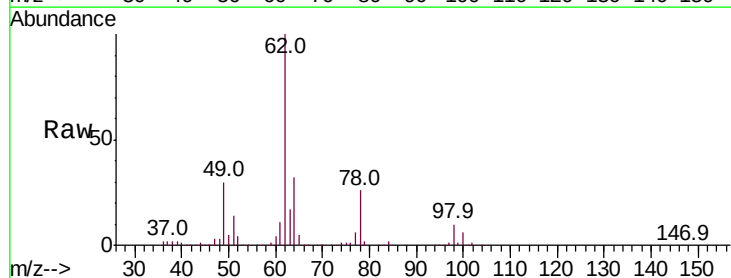
Instrument :
MSVOA_V
ClientSampleId :

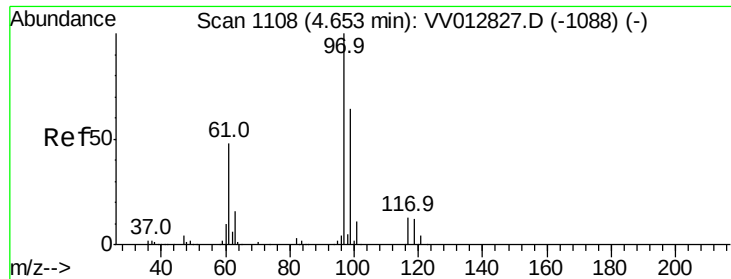
Tot Ion: 83 Resp: 511984
Ion Ratio Lower Upper
83 100
85 65.1 44.4 82.5



#27
1,2-Dichloroethane
Concen: 8.627 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV012828.D
Acq: 16 Sep 2019 10:25

Tgt Ion: 62 Resp: 284041
Ion Ratio Lower Upper
62 100
98 10.4 8.3 12.5

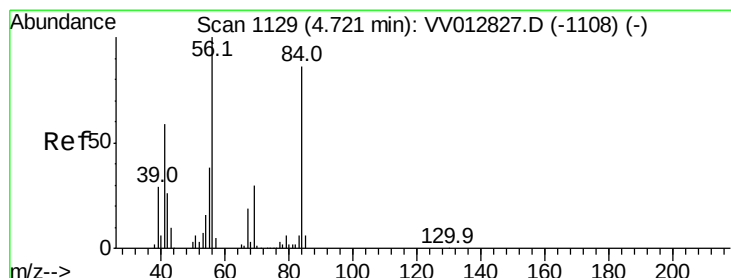
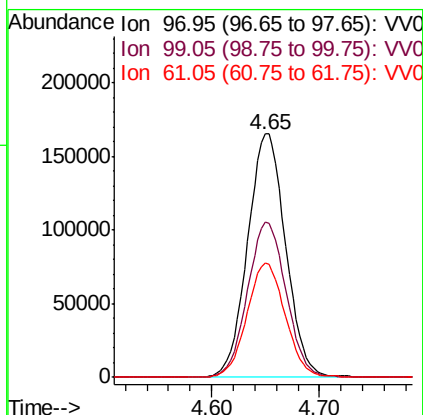
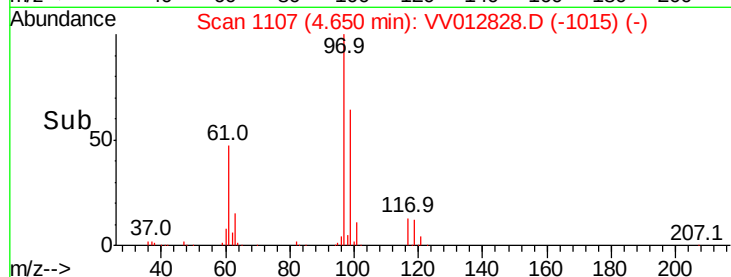
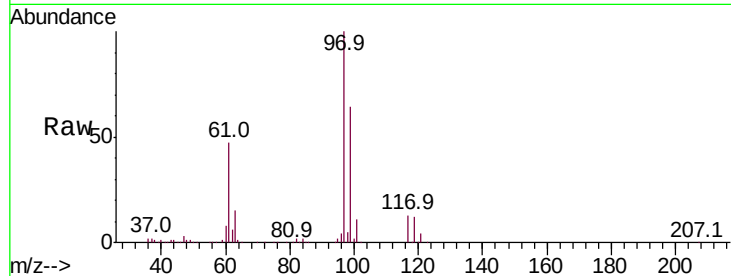




#29
 1,1,1-Trichloroethane
 Concen: 8.609 ug/L
 RT: 4.65 min Scan# 1107
 Delta R.T. -0.00 min
 Lab File: VV012828.D
 Acq: 16 Sep 2019 10:25

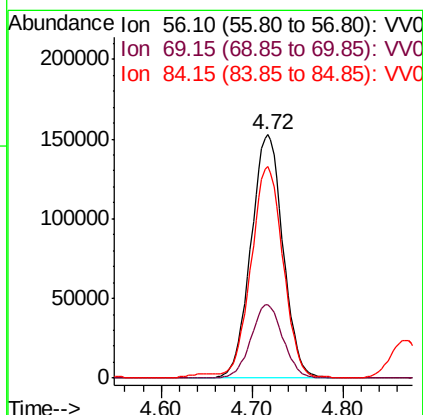
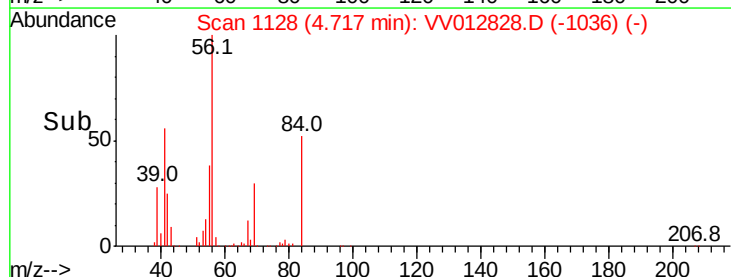
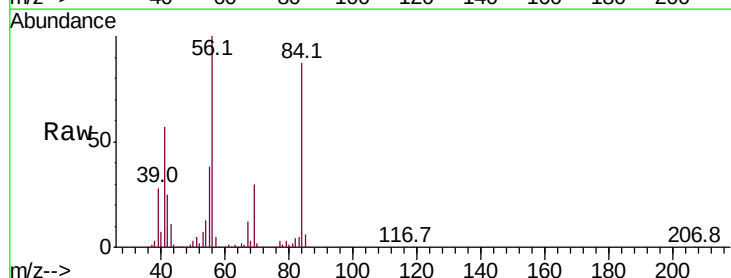
Instrument :
 MSVOA_V
 ClientSampleId :

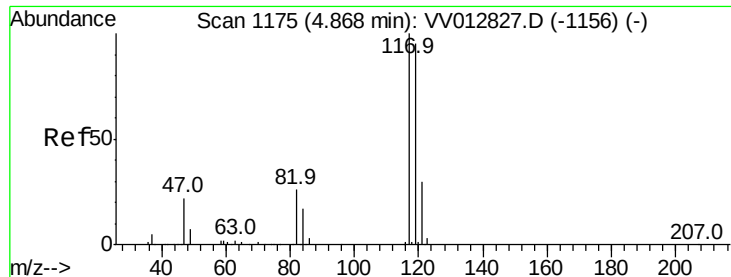
Tot Ion: 97 Resp: 403952
 Ion Ratio Lower Upper
 97 100
 99 64.9 50.9 76.3
 61 47.5 38.2 57.4



#30
 Cyclohexane
 Concen: 8.184 ug/L
 RT: 4.72 min Scan# 1128
 Delta R.T. -0.00 min
 Lab File: VV012828.D
 Acq: 16 Sep 2019 10:25

Tgt Ion: 56 Resp: 373003
 Ion Ratio Lower Upper
 56 100
 69 30.2 23.9 35.9
 84 87.4 67.9 101.9





#31

Carbon tetrachloride

Concen: 8.381 ug/L

RT: 4.87 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VV012828.D

Acq: 16 Sep 2019 10:25

Instrument :

MSVOA_V

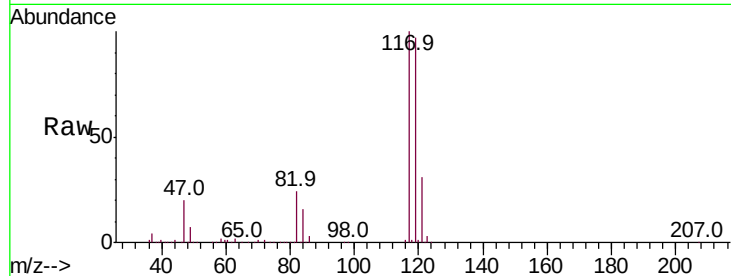
ClientSampleId :

Tot Ion:117 Resp: 344210

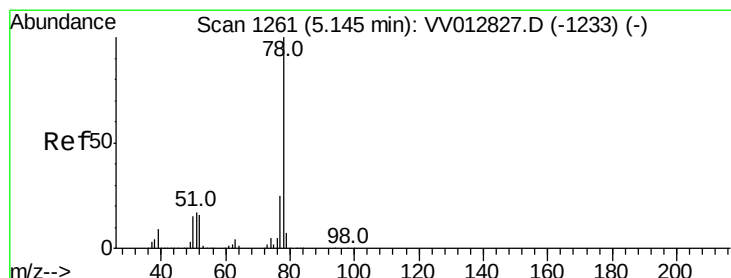
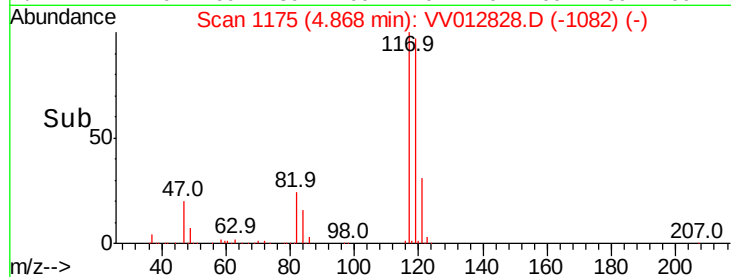
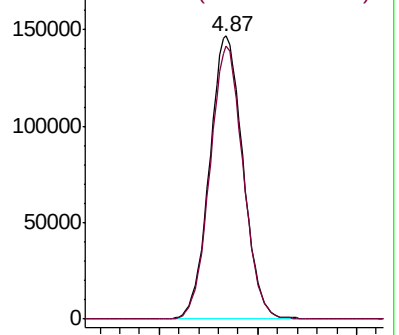
Ion Ratio Lower Upper

117 100

119 95.8 76.4 114.6



Abundance Ion 116.90 (116.60 to 117.60): V



#33

Benzene

Concen: 8.472 ug/L

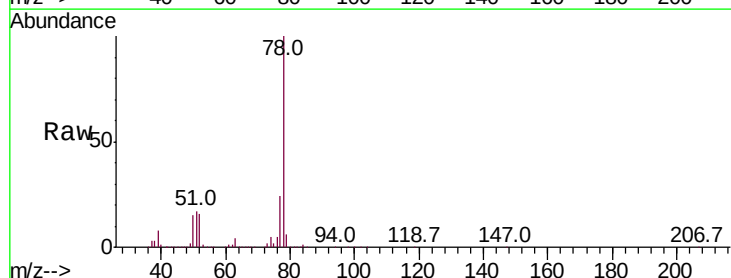
RT: 5.14 min Scan# 1260

Delta R.T. -0.00 min

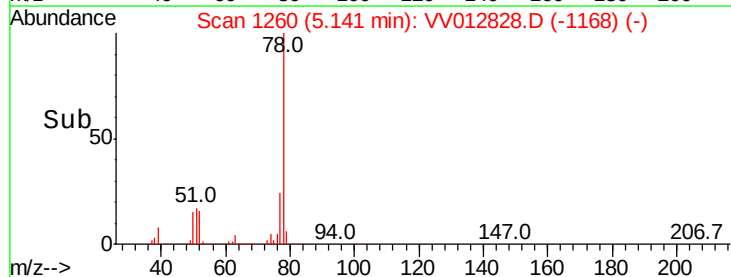
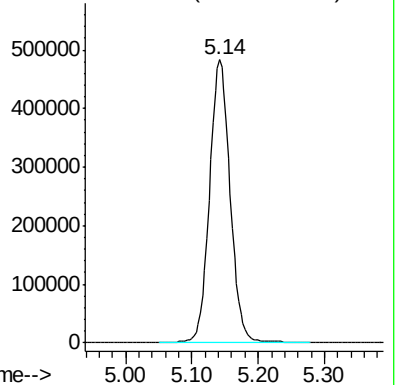
Lab File: VV012828.D

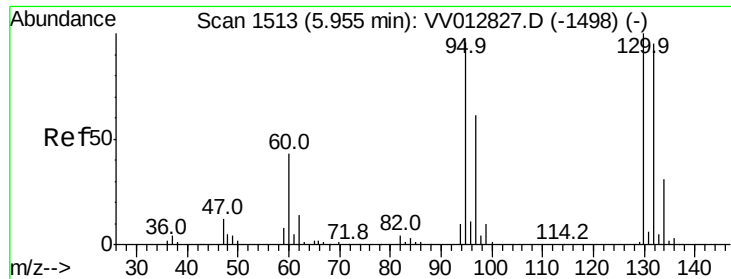
Acq: 16 Sep 2019 10:25

Tgt Ion: 78 Resp: 1044007



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 8.420 ug/L

RT: 5.95 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV012828.D

Acq: 16 Sep 2019 10:25

Instrument :

MSVOA_V

ClientSampled :

Tot Ion: 95 Resp: 288402

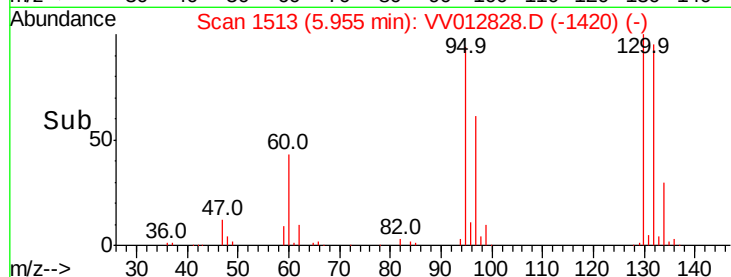
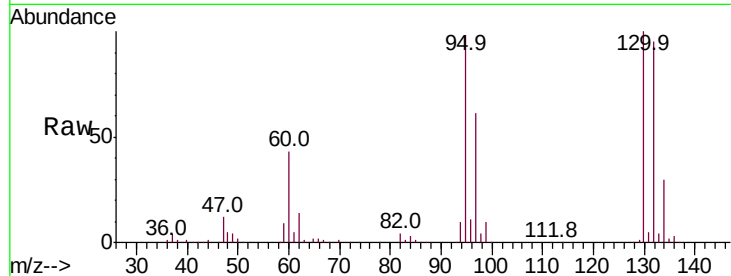
Ion Ratio Lower Upper

95 100

97 62.8 44.4 82.4

132 97.7 69.0 128.1

130 102.5 72.8 135.2

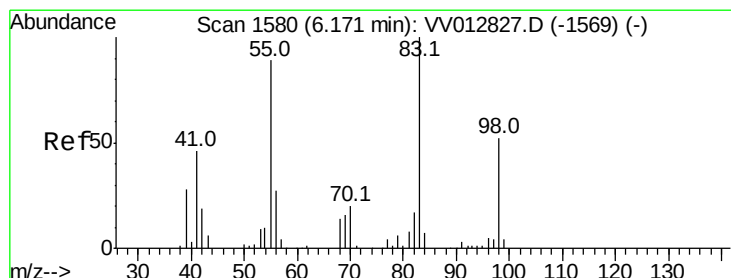
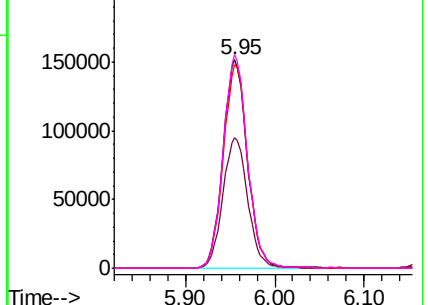


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 8.255 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. -0.00 min

Lab File: VV012828.D

Acq: 16 Sep 2019 10:25

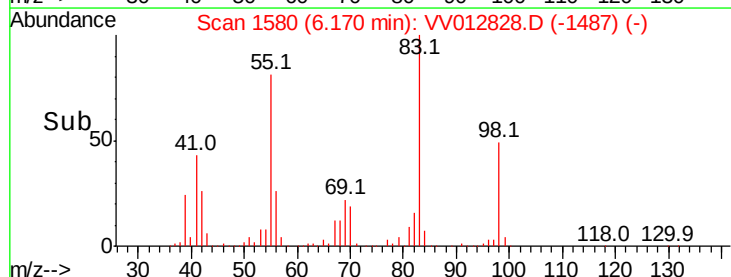
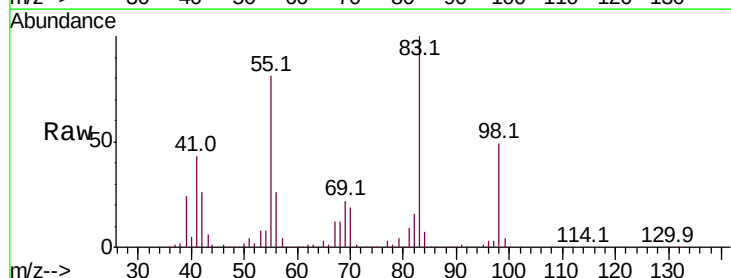
Tgt Ion: 83 Resp: 391140

Ion Ratio Lower Upper

83 100

55 79.9 65.4 98.2

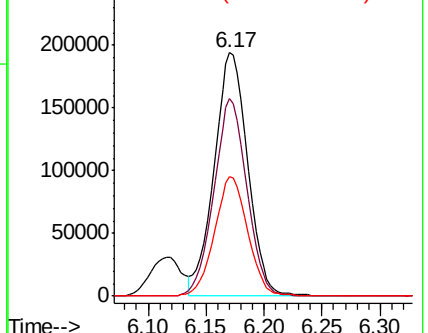
98 48.9 39.0 58.4

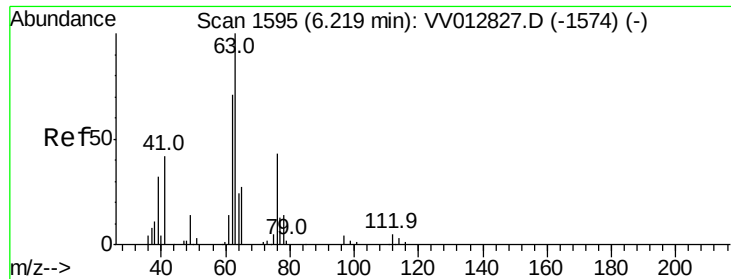


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

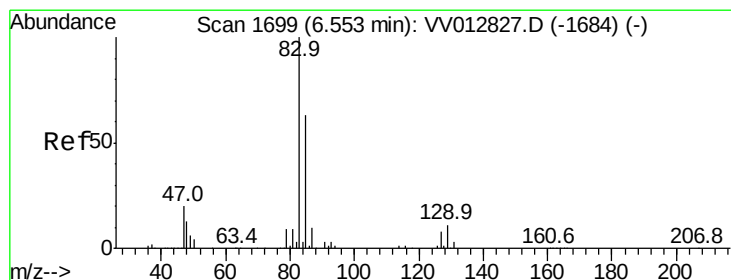
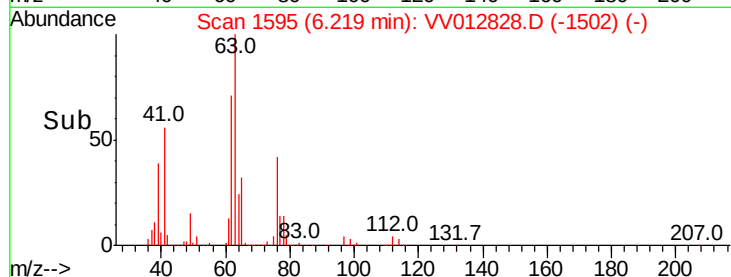
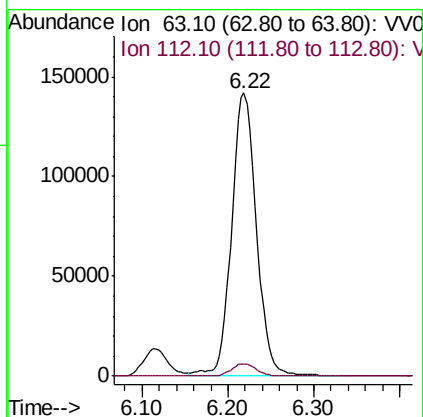
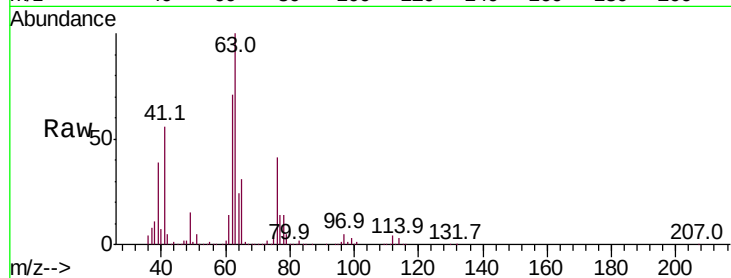




#37
 1,2-Dichloropropane
 Concen: 9.111 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VV012828.D
 Acq: 16 Sep 2019 10:25

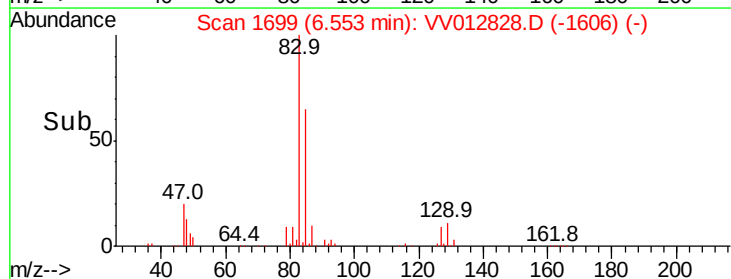
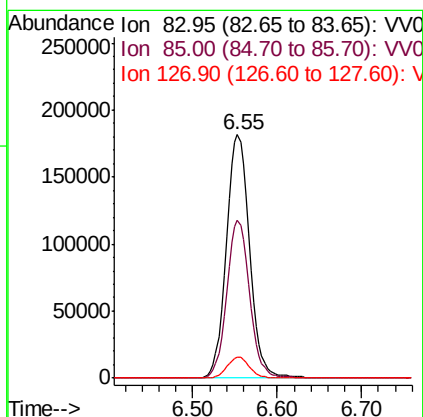
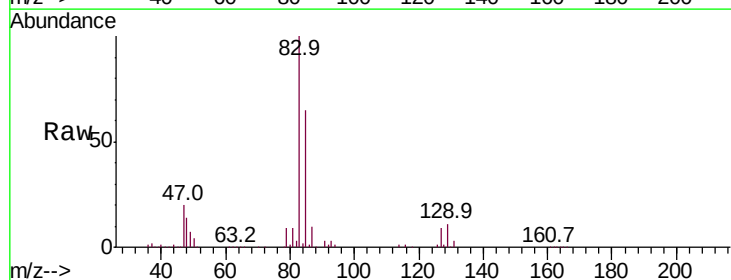
Instrument :
 MSVOA_V
 ClientSampleId :

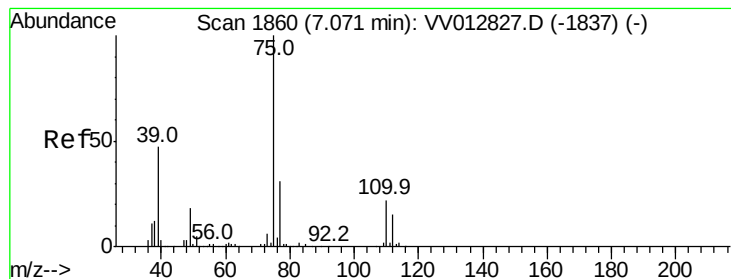
Tot Ion: 63 Resp: 282758
 Ion Ratio Lower Upper
 63 100
 112 4.6 4.2 6.2



#38
 Bromodichloromethane
 Concen: 8.597 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV012828.D
 Acq: 16 Sep 2019 10:25

Tgt Ion: 83 Resp: 346763
 Ion Ratio Lower Upper
 83 100
 85 64.9 44.2 82.0
 127 8.7 6.7 10.1



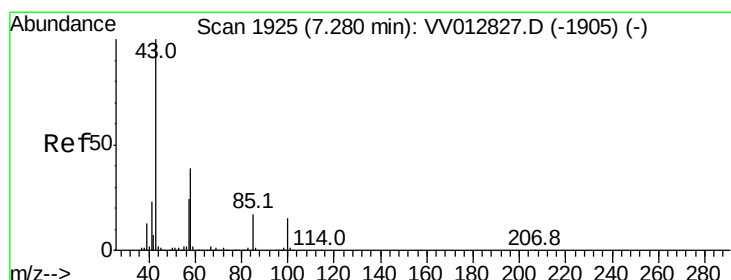
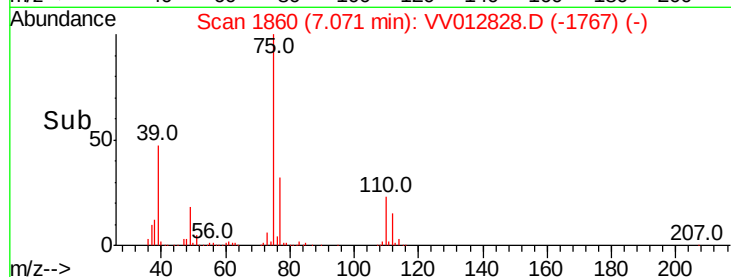
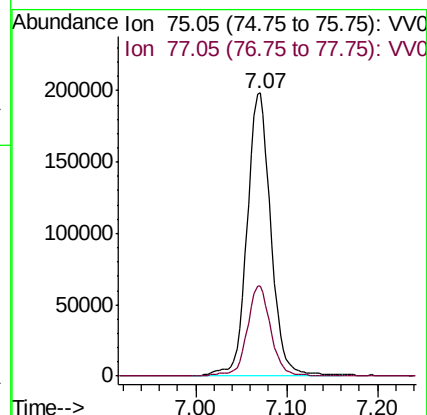
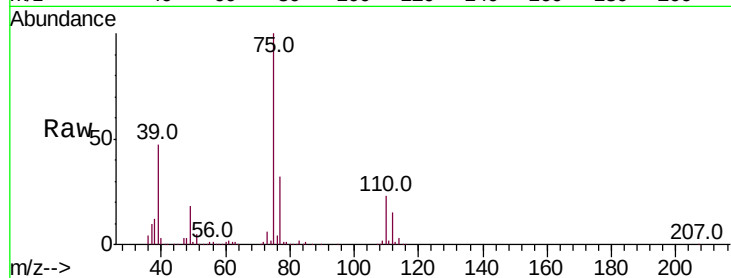


#39

cis-1,3-Dichloropropene
 Concen: 8.915 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VV012828.D
 Acq: 16 Sep 2019 10:25

Instrument :
 MSVOA_V
 ClientSampleId :

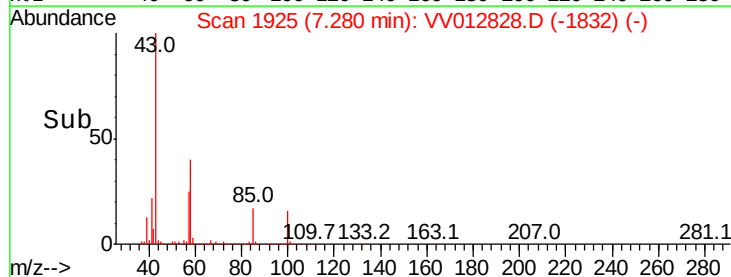
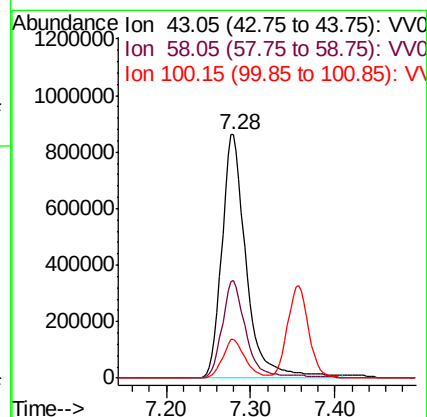
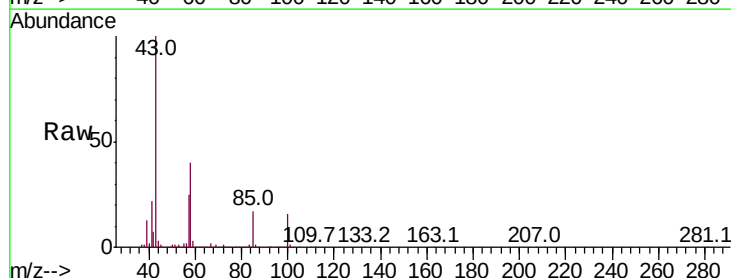
Tot Ion: 75 Resp: 360378
 Ion Ratio Lower Upper
 75 100
 77 31.9 21.8 40.6

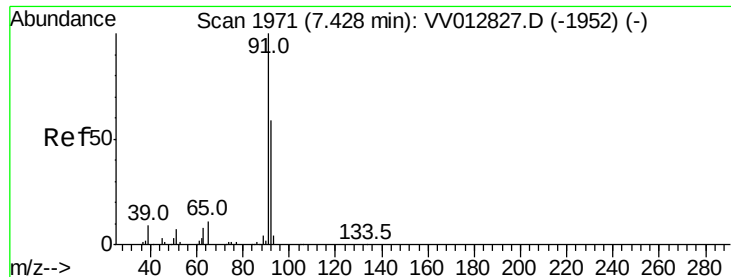


#40

4-Methyl-2-pentanone
 Concen: 100.096 ug/L
 RT: 7.28 min Scan# 1925
 Delta R.T. -0.00 min
 Lab File: VV012828.D
 Acq: 16 Sep 2019 10:25

Tgt Ion: 43 Resp: 1735421
 Ion Ratio Lower Upper
 43 100
 58 38.4 32.9 49.3
 100 14.4 11.6 17.4





#42

Toluene

Concen: 8.831 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV012828.D

Acq: 16 Sep 2019 10:25

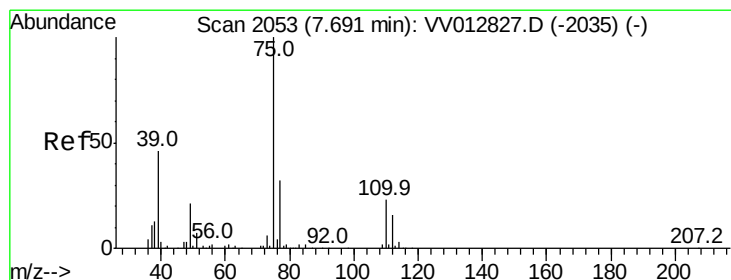
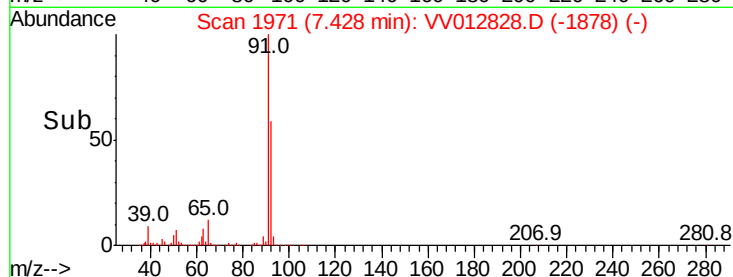
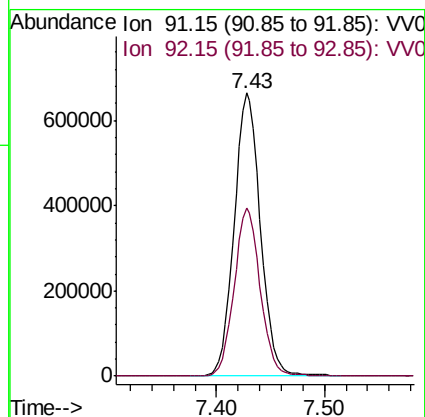
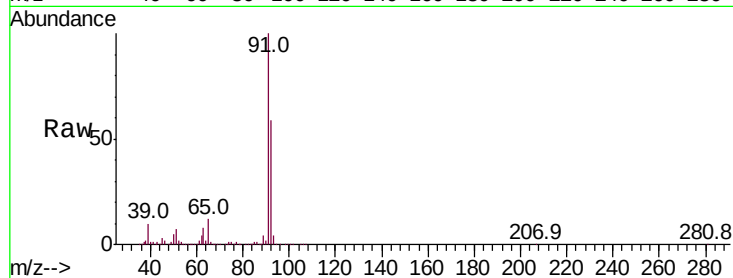
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 1130728

Ion Ratio Lower Upper

91 100

92 59.3 41.0 76.2



#44

trans-1,3-Dichloropropene

Concen: 9.198 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV012828.D

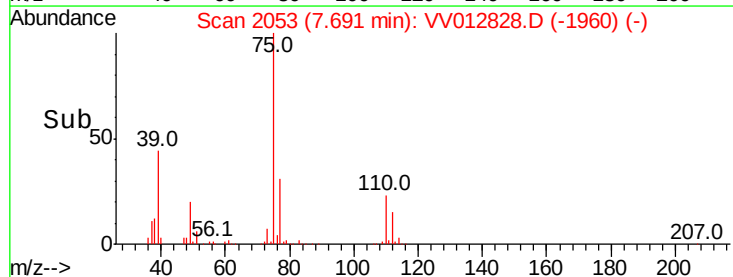
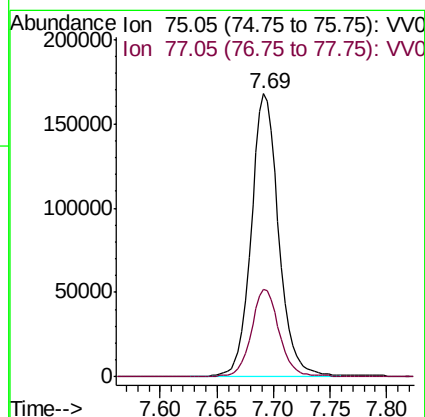
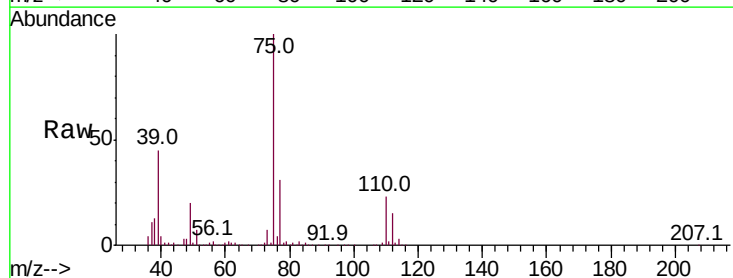
Acq: 16 Sep 2019 10:25

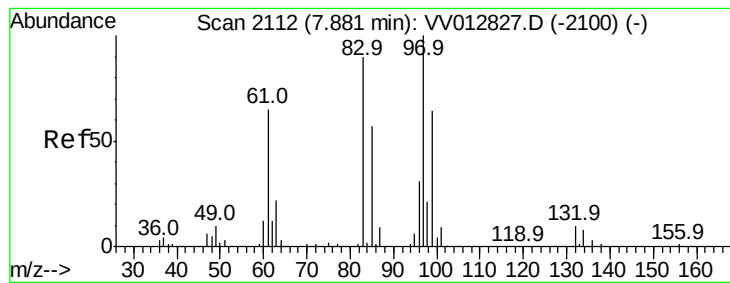
Tgt Ion: 75 Resp: 283398

Ion Ratio Lower Upper

75 100

77 30.8 22.3 41.3





#45

1,1,2-Trichloroethane

Concen: 9.034 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VV012828.D

Acq: 16 Sep 2019 10:25

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 97 Resp: 196072

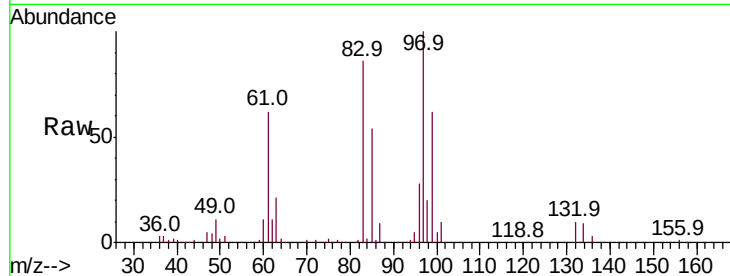
Ion Ratio Lower Upper

97 100

99 61.9 45.2 84.0

83 85.6 63.0 117.0

85 54.3 39.6 73.6

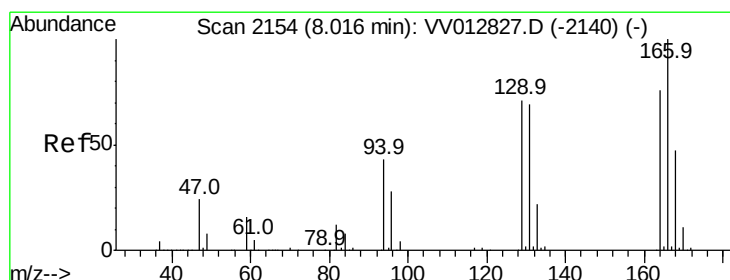
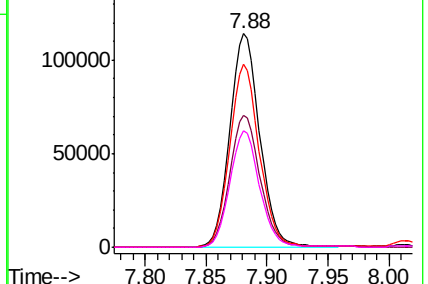
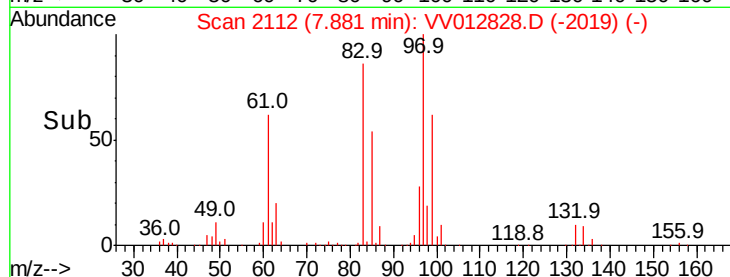


Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47

Tetrachloroethene

Concen: 7.988 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV012828.D

Acq: 16 Sep 2019 10:25

Tgt Ion: 164 Resp: 212465

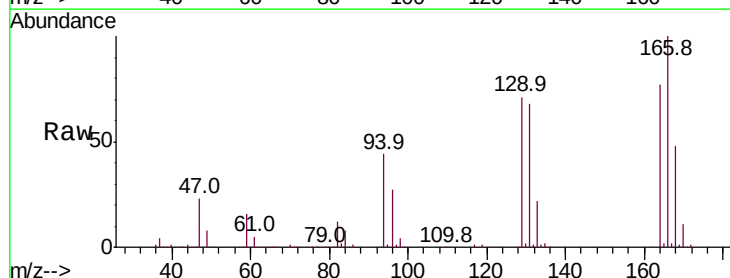
Ion Ratio Lower Upper

164 100

129 91.9 65.0 120.8

131 88.4 63.6 118.0

166 129.5 91.8 170.6

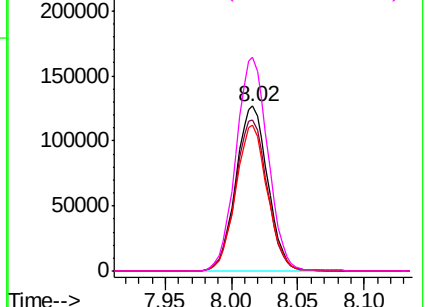
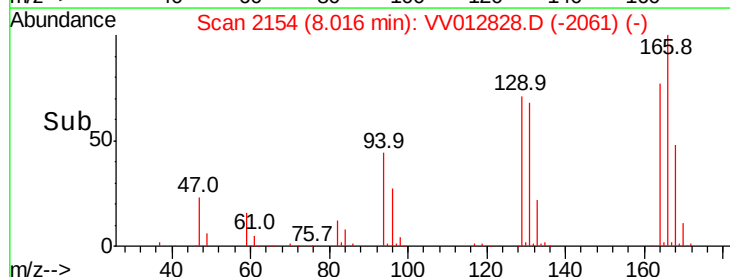


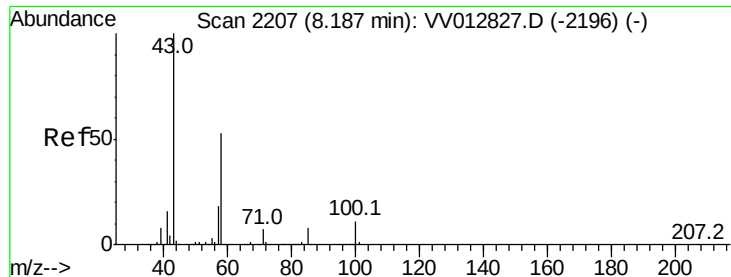
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



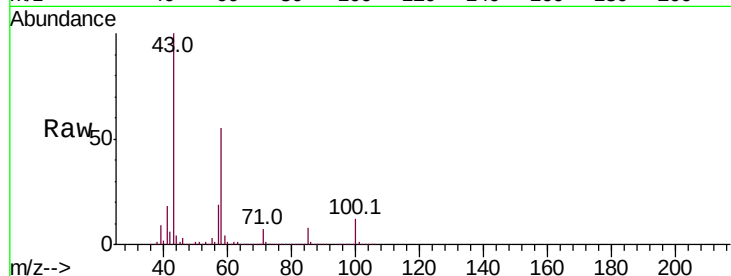


#48
2-Hexanone
Concen: 101.445 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. -0.00 min
Lab File: VV012828.D
Acq: 16 Sep 2019 10:25

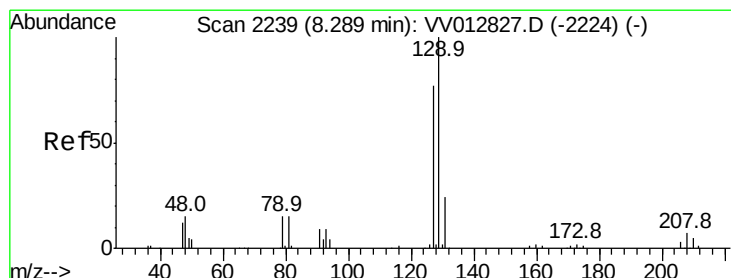
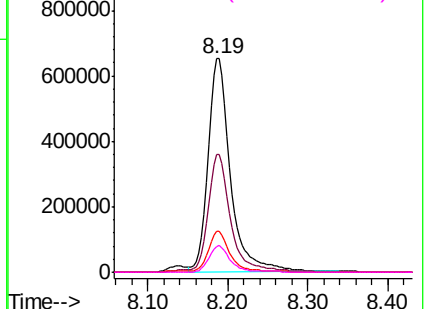
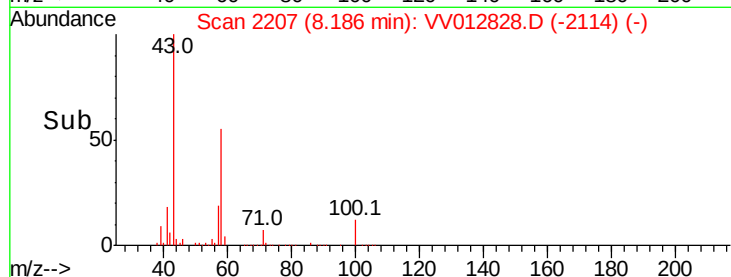
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 1270052

Ion	Ratio	Lower	Upper
43	100		
58	56.4	44.8	67.2
57	17.2	15.0	22.6
100	11.7	8.8	13.2



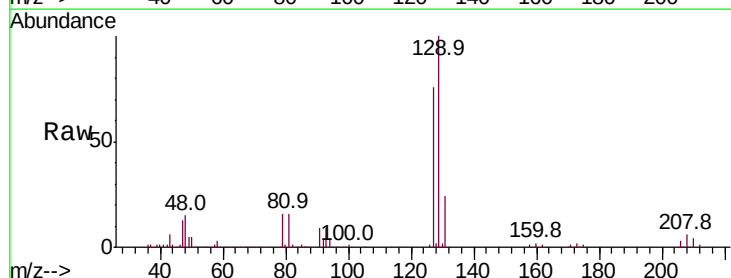
Abundance Ion 43.05 (42.75 to 43.75): VV012827.D (-2196) (-)
Ion 58.05 (57.75 to 58.75): VV012827.D (-2196) (-)
Ion 57.20 (56.90 to 57.90): VV012827.D (-2196) (-)
Ion 100.15 (99.85 to 100.85): VV012827.D (-2196) (-)



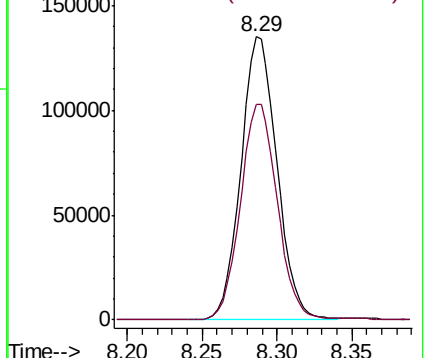
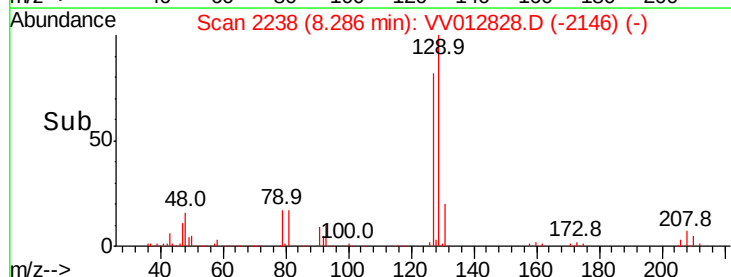
#49
Dibromochloromethane
Concen: 8.813 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. -0.00 min
Lab File: VV012828.D
Acq: 16 Sep 2019 10:25

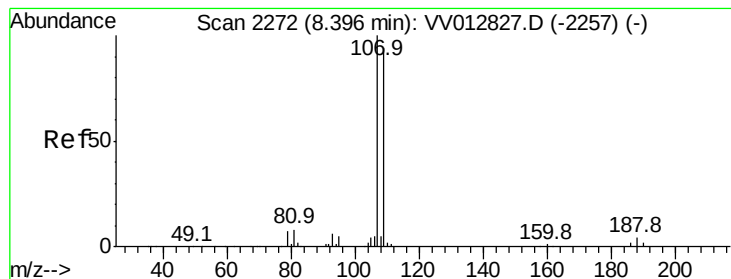
Tgt Ion: 129 Resp: 227278

Ion	Ratio	Lower	Upper
129	100		
127	76.0	53.9	100.1



Abundance Ion 128.95 (128.65 to 129.65): VV012827.D (-2224) (-)
Ion 126.90 (126.60 to 127.60): VV012827.D (-2224) (-)





#50

1,2-Dibromoethane

Concen: 8.703 ug/L

RT: 8.40 min Scan# 2272

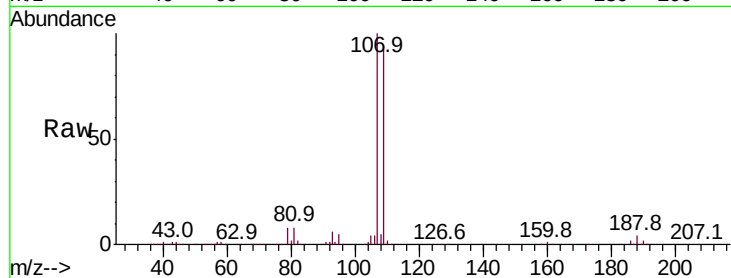
Delta R.T. -0.00 min

Lab File: VV012828.D

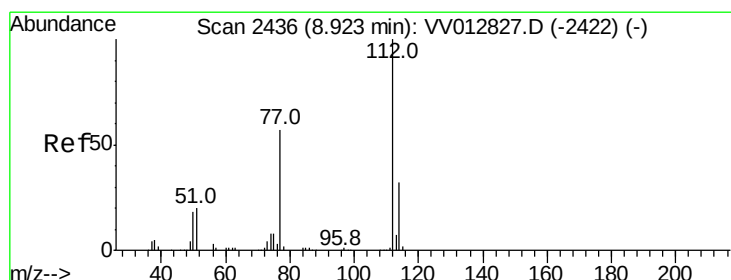
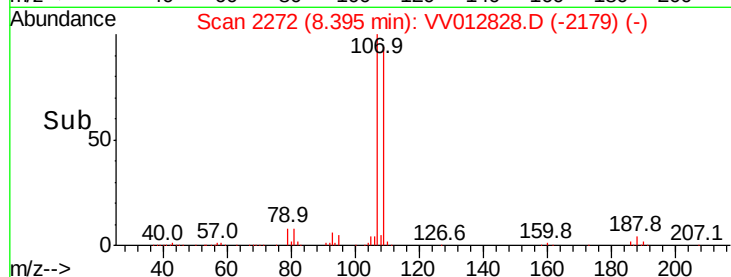
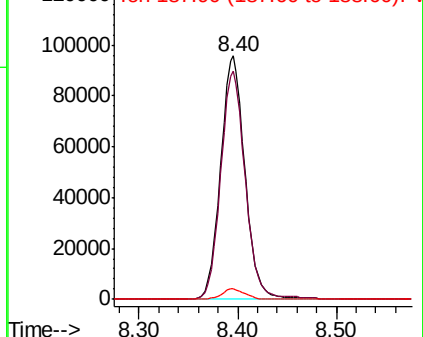
Acq: 16 Sep 2019 10:25

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	107	Resp:	166054
Ion	Ratio	Lower	Upper
107	100		
109	94.0	65.5	121.6
188	4.4	3.0	4.4



Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 8.555 ug/L

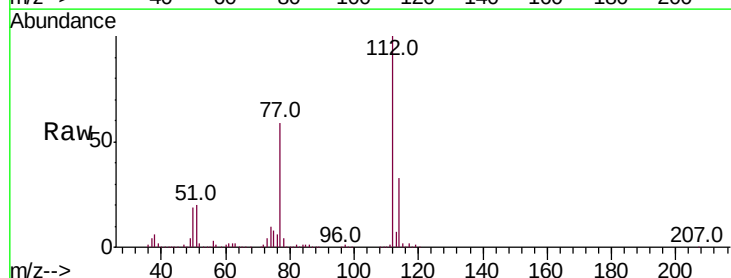
RT: 8.92 min Scan# 2436

Delta R.T. -0.00 min

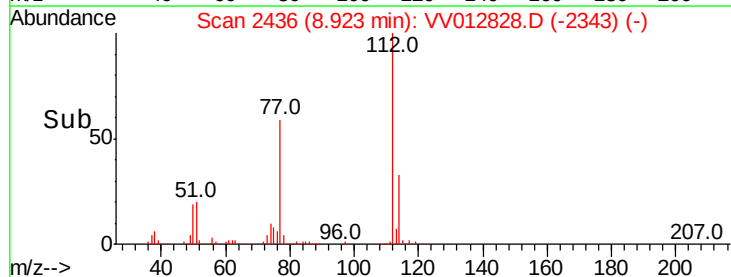
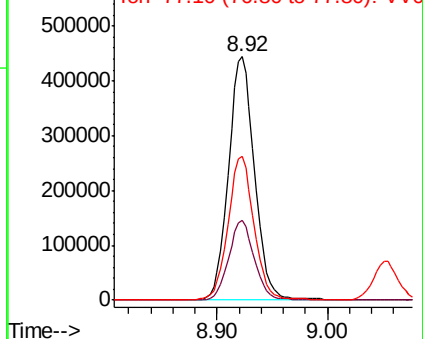
Lab File: VV012828.D

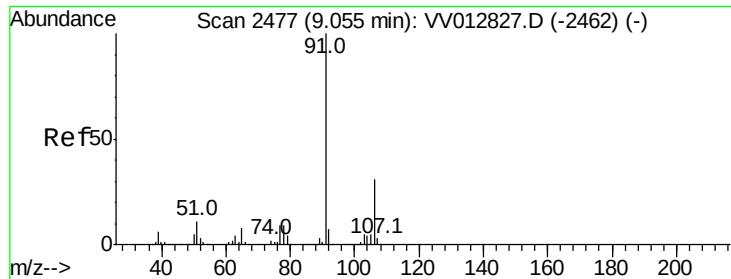
Acq: 16 Sep 2019 10:25

Tgt Ion:	112	Resp:	726793
Ion	Ratio	Lower	Upper
112	100		
114	32.7	22.0	41.0
77	58.8	45.7	68.5



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 8.943 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV012828.D

Acq: 16 Sep 2019 10:25

Instrument :

MSVOA_V

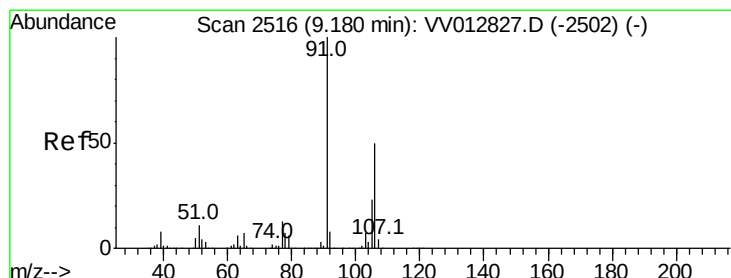
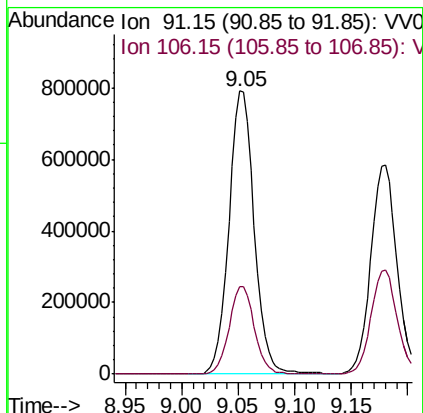
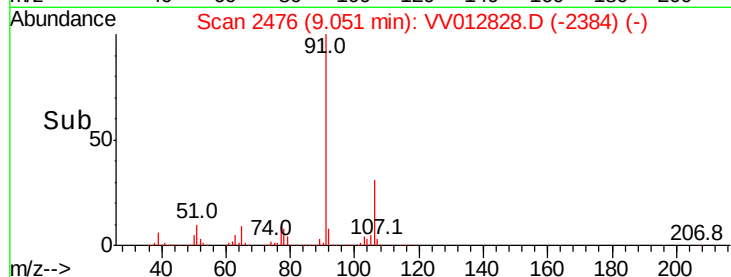
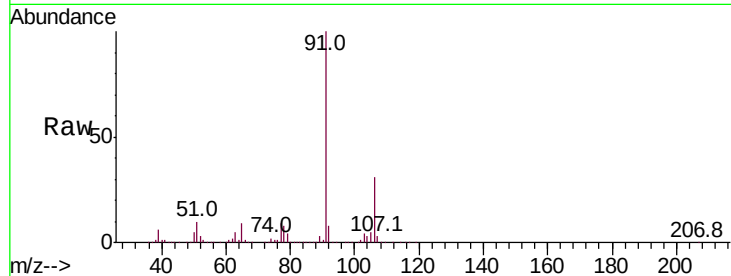
ClientSampleId :

Tot Ion: 91 Resp: 1231184

Ion Ratio Lower Upper

91 100

106 31.0 21.7 40.3



#53

m,p-xylene

Concen: 9.008 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV012828.D

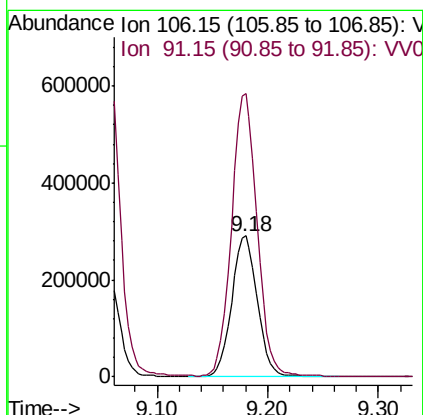
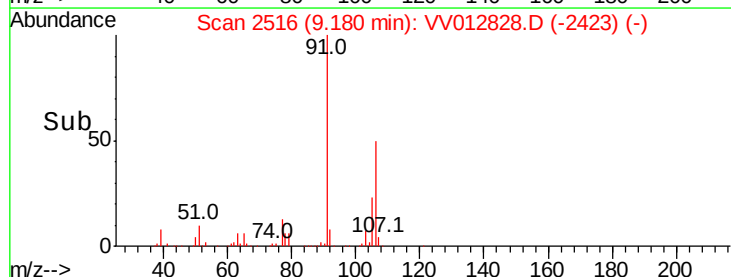
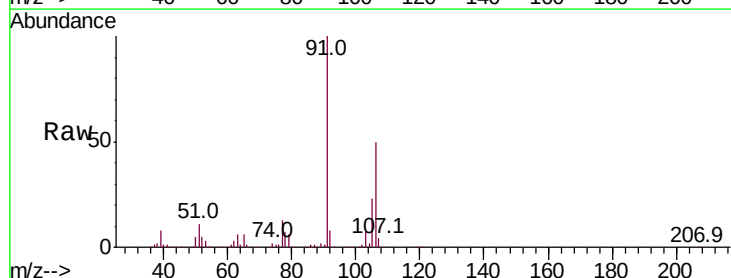
Acq: 16 Sep 2019 10:25

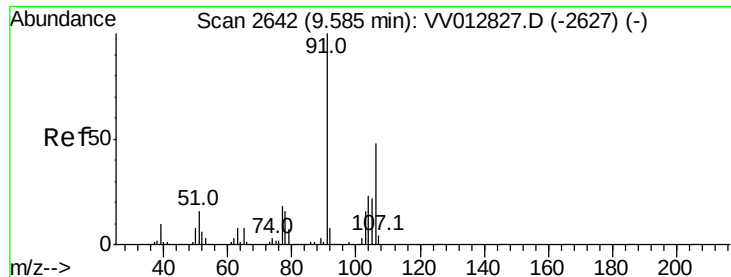
Tgt Ion: 106 Resp: 467404

Ion Ratio Lower Upper

106 100

91 200.9 138.9 258.1





#54

o-xylene

Concen: 9.187 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VV012828.D

Acq: 16 Sep 2019 10:25

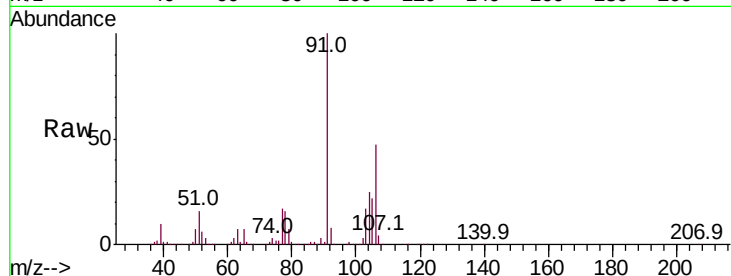
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 458366

Ion Ratio Lower Upper

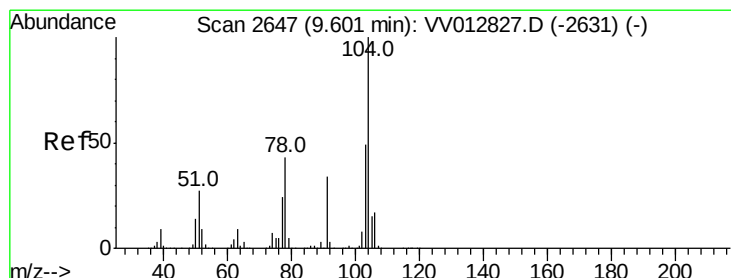
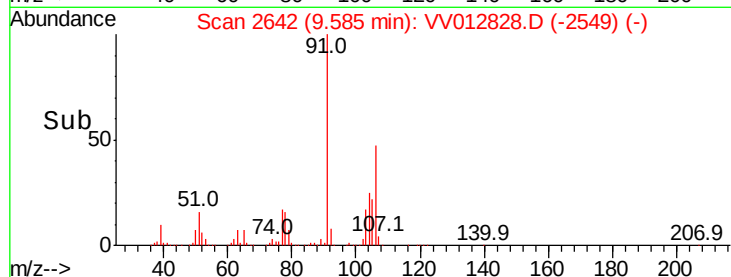
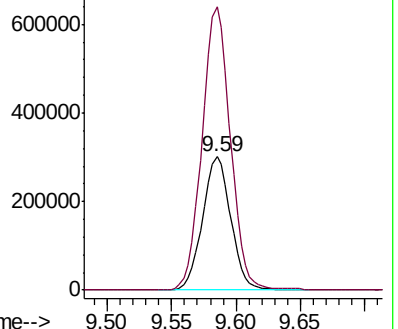
106 100

91 212.1 147.4 273.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 9.778 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. -0.00 min

Lab File: VV012828.D

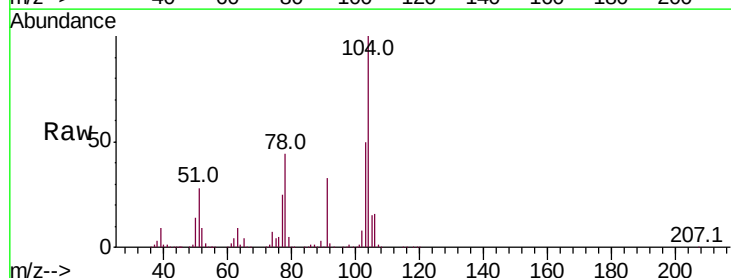
Acq: 16 Sep 2019 10:25

Tgt Ion:104 Resp: 814864

Ion Ratio Lower Upper

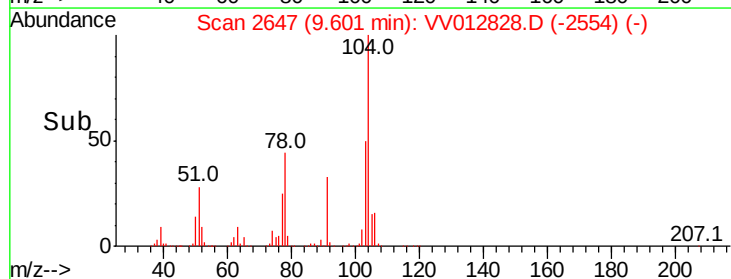
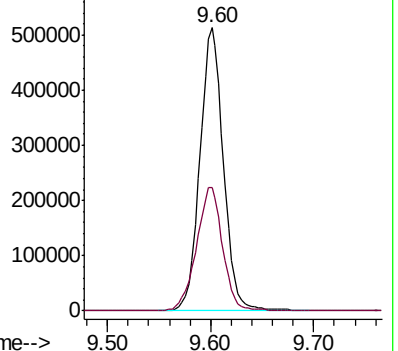
104 100

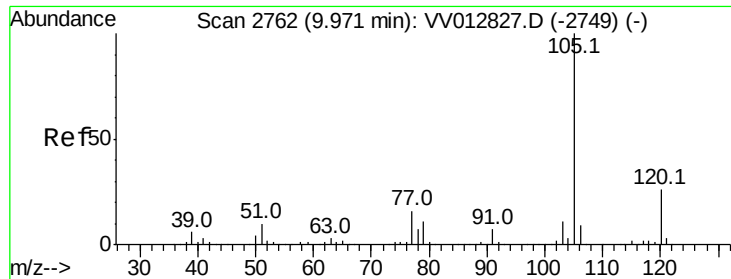
78 43.8 30.2 56.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 9.387 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. -0.00 min

Lab File: VV012828.D

Acq: 16 Sep 2019 10:25

Instrument :

MSVOA_V

ClientSampleId :

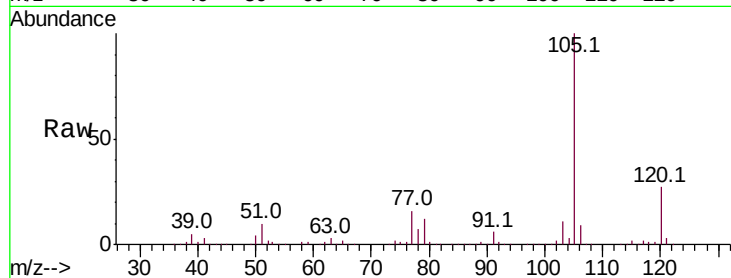
Tot Ion:105 Resp: 1243885

Ion Ratio Lower Upper

105 100

120 26.9 21.0 31.4

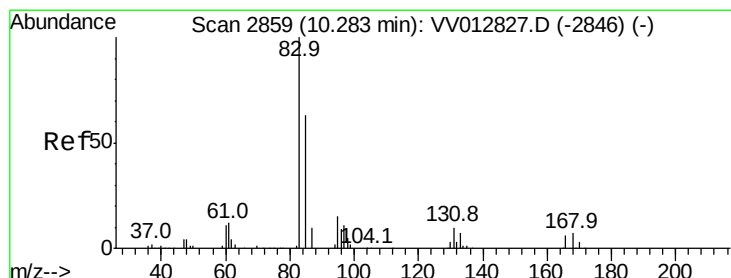
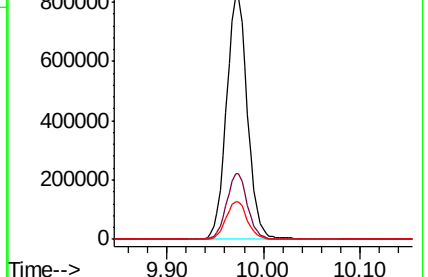
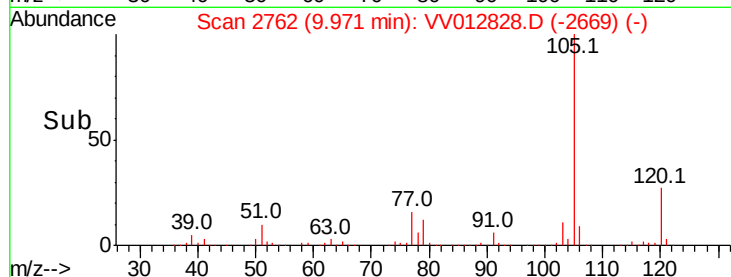
77 15.7 12.8 19.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 8.685 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VV012828.D

Acq: 16 Sep 2019 10:25

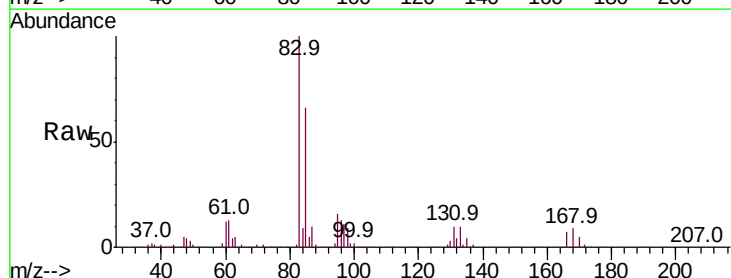
Tgt Ion: 83 Resp: 186018

Ion Ratio Lower Upper

83 100

85 65.7 44.1 81.9

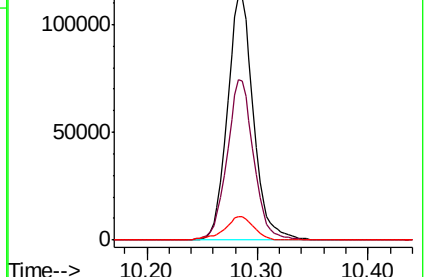
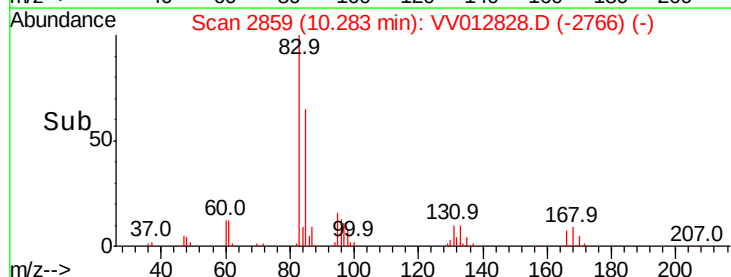
131 9.8 8.2 12.2

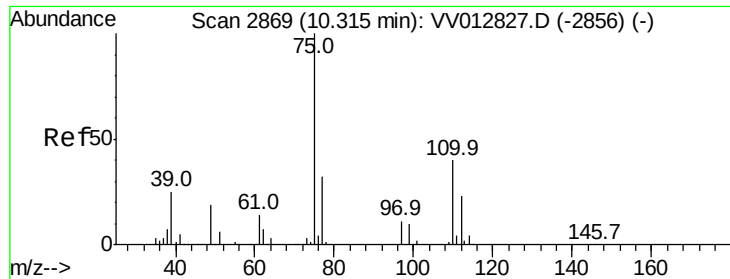


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 8.729 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV012828.D

Acq: 16 Sep 2019 10:25

Instrument :

MSVOA_V

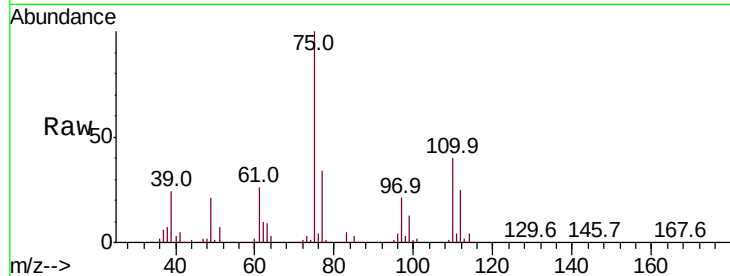
ClientSampleId :

Tot Ion: 75 Resp: 160694

Ion Ratio Lower Upper

75 100

77 33.0 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VV012827.D (-2856) (-)

Ion 77.00 (76.70 to 77.70): VV012827.D (-2856) (-)

10.32

100000

80000

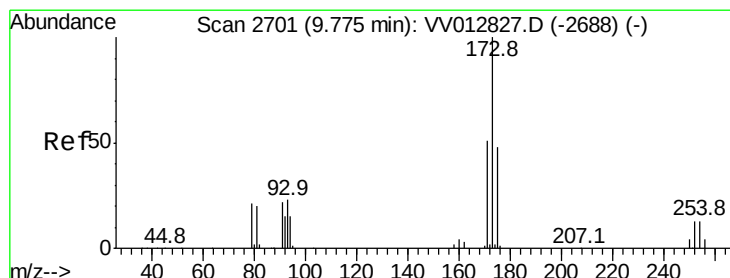
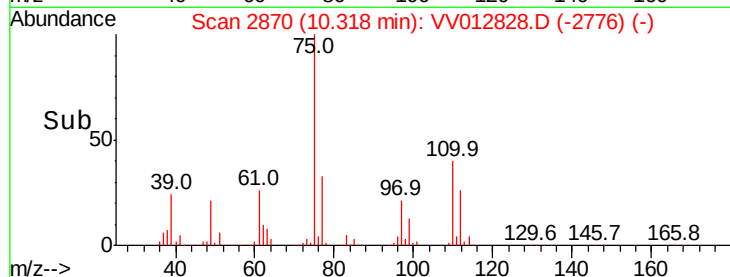
60000

40000

20000

0

Time--> 10.20 10.30 10.40



#61

Bromoform

Concen: 8.326 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VV012828.D

Acq: 16 Sep 2019 10:25

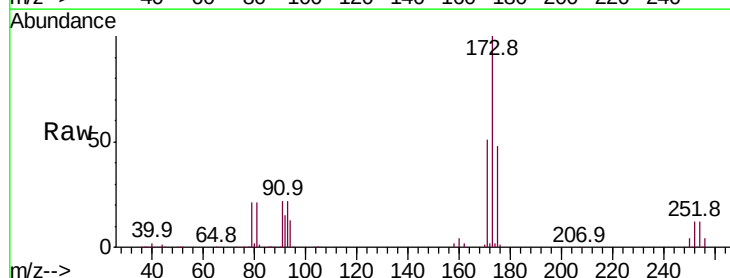
Tgt Ion:173 Resp: 120651

Ion Ratio Lower Upper

173 100

175 49.3 39.4 59.0

254 11.5 9.9 14.9



Abundance Ion 172.90 (172.60 to 173.60): VV012827.D (-2688) (-)

Ion 174.90 (174.60 to 175.60): VV012827.D (-2688) (-)

Ion 253.75 (253.45 to 254.45): VV012827.D (-2688) (-)

9.77

100000

80000

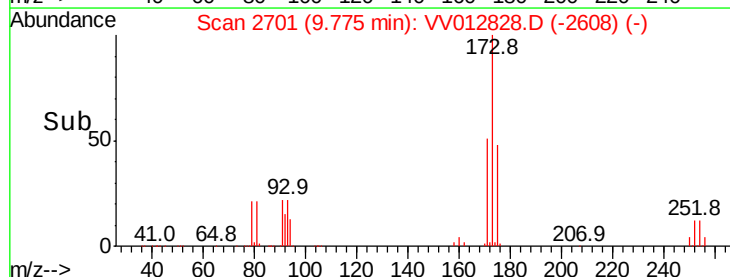
60000

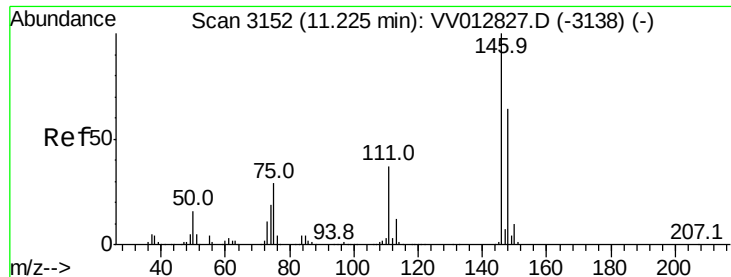
40000

20000

0

Time--> 9.70 9.75 9.80 9.85 9.90





#62

1,3-Dichlorobenzene

Concen: 8.844 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. -0.00 min

Lab File: VV012828.D

Acq: 16 Sep 2019 10:25

Instrument :

MSVOA_V

ClientSampled :

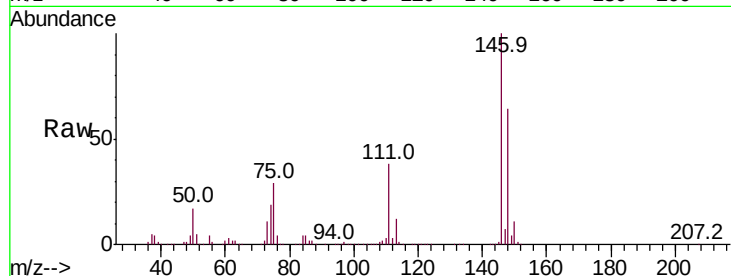
Tot Ion:146 Resp: 595431

Ion Ratio Lower Upper

146 100

111 38.2 26.0 48.4

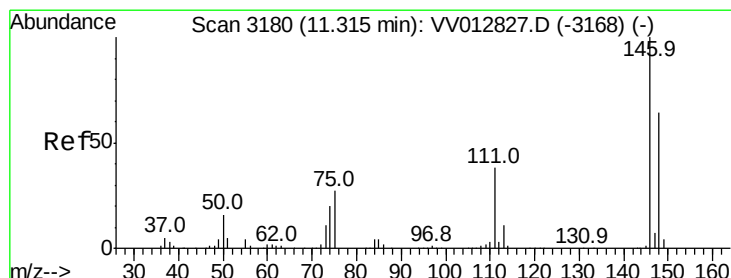
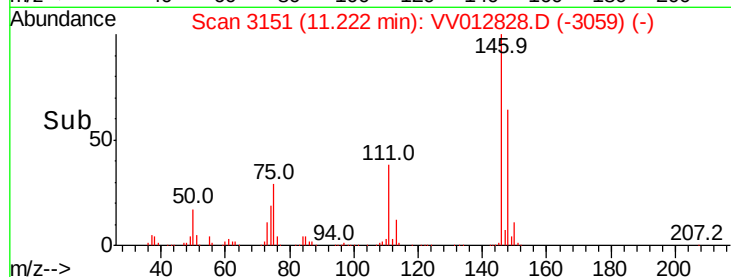
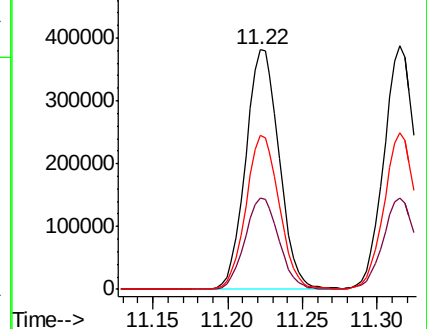
148 64.1 45.0 83.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 8.651 ug/L

RT: 11.31 min Scan# 3180

Delta R.T. -0.00 min

Lab File: VV012828.D

Acq: 16 Sep 2019 10:25

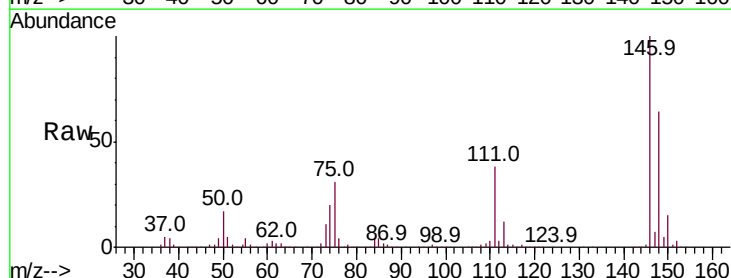
Tgt Ion:146 Resp: 588867

Ion Ratio Lower Upper

146 100

111 37.7 26.6 49.4

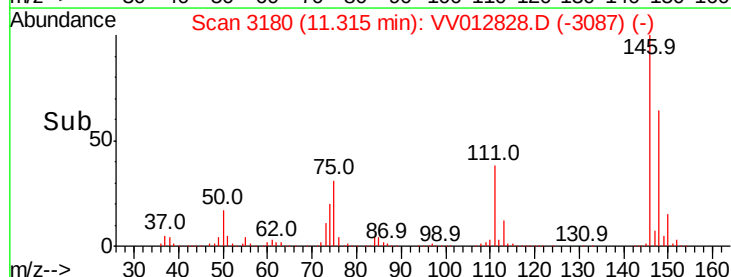
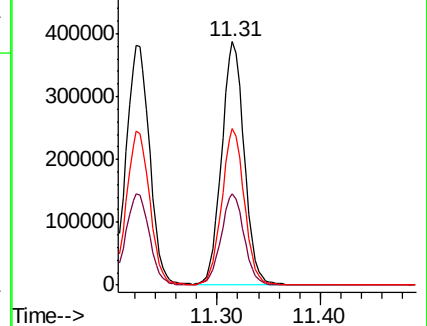
148 64.2 45.0 83.6

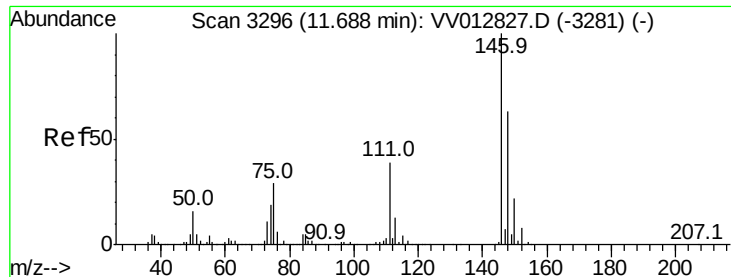


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

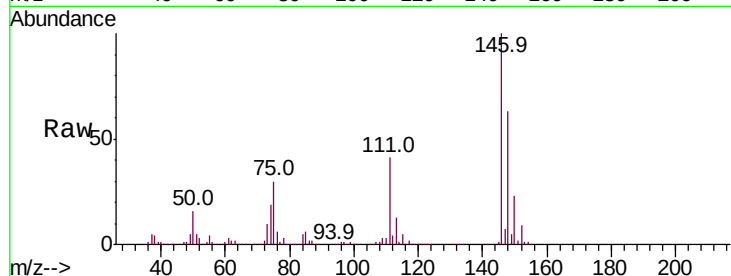




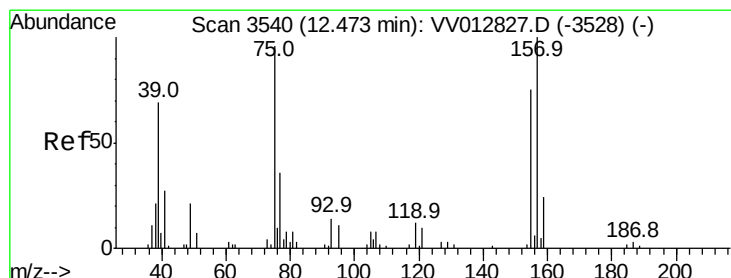
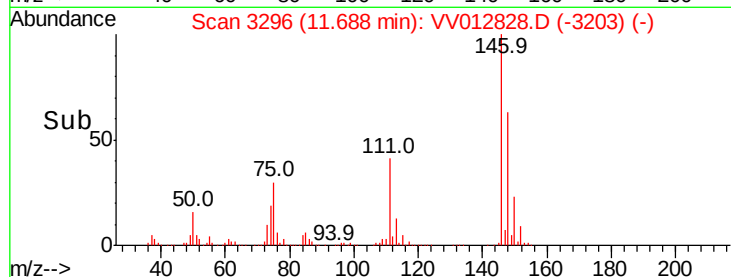
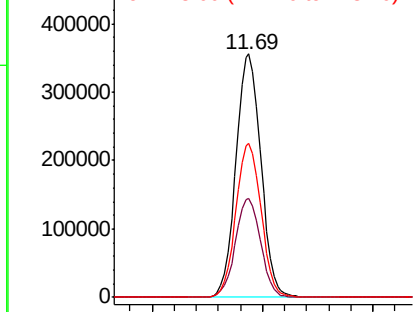
#65
 1,2-Dichlorobenzene
 Concen: 8.767 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. -0.00 min
 Lab File: VV012828.D
 Acq: 16 Sep 2019 10:25

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:146 Resp: 558575
 Ion Ratio Lower Upper
 146 100
 111 40.8 31.4 47.2
 148 63.5 50.6 75.8

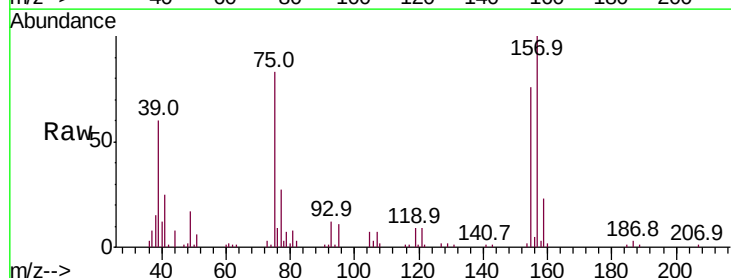


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

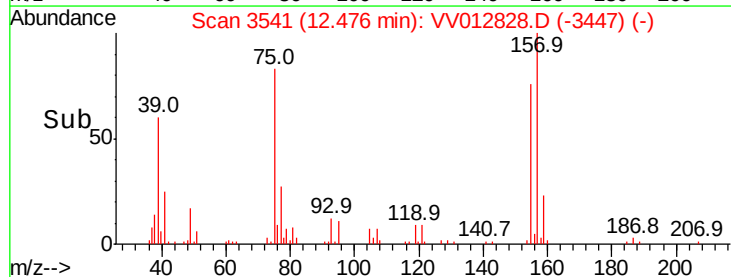
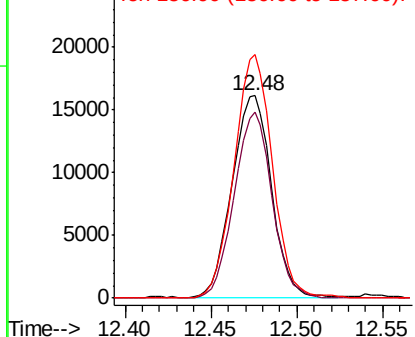


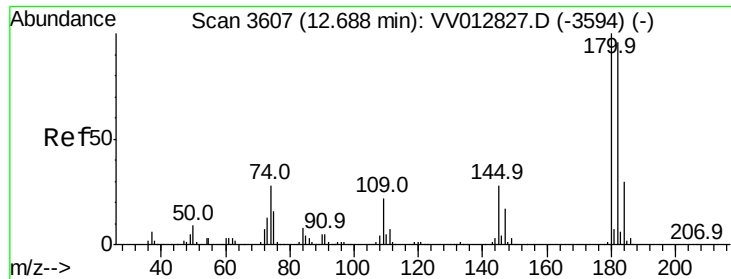
#66
 1,2-Dibromo-3-chloropropane
 Concen: 7.997 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. 0.00 min
 Lab File: VV012828.D
 Acq: 16 Sep 2019 10:25

Tgt Ion: 75 Resp: 25995
 Ion Ratio Lower Upper
 75 100
 155 91.9 63.0 94.4
 157 120.3 83.7 125.5



Abundance Ion 75.05 (74.75 to 75.75): VV0
 Ion 154.95 (154.65 to 155.65): V
 Ion 156.90 (156.60 to 157.60): V

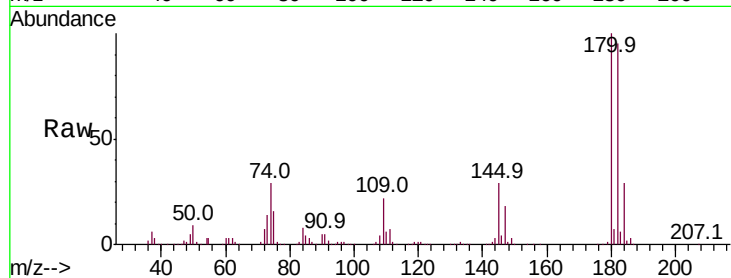




#67
 1,3,5-Trichlorobenzene
 Concen: 8.759 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VV012828.D
 Acq: 16 Sep 2019 10:25

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.7	115.1
184	30.0	24.4	36.6
145	28.4	22.3	33.5



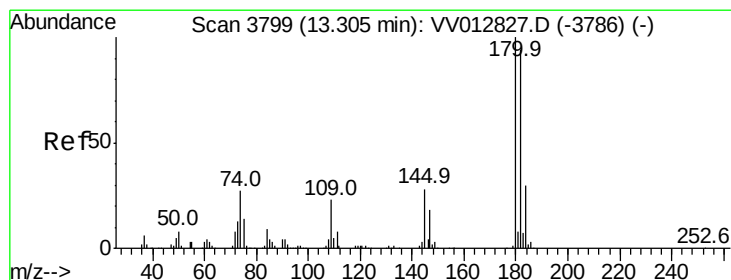
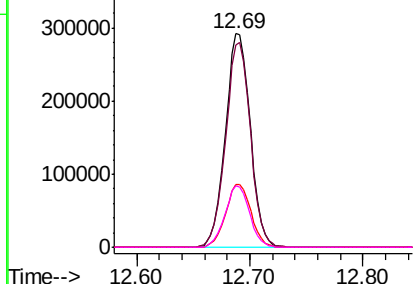
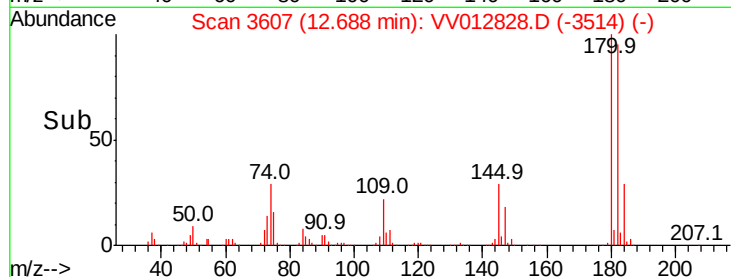
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

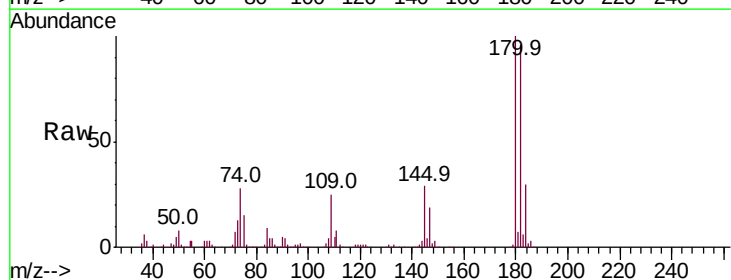
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 8.775 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. -0.00 min
 Lab File: VV012828.D
 Acq: 16 Sep 2019 10:25

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	76.2	114.4
145	29.0	22.2	33.4

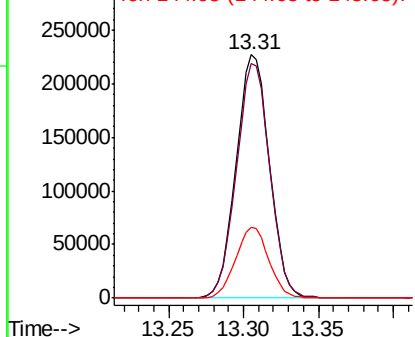
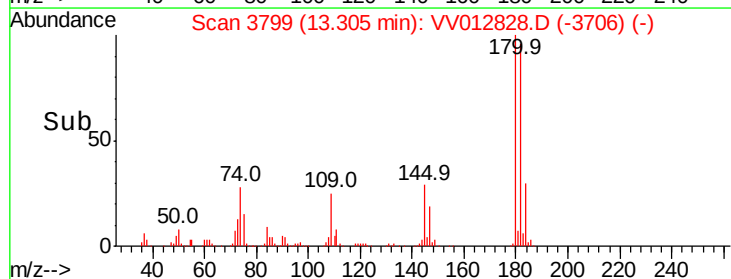


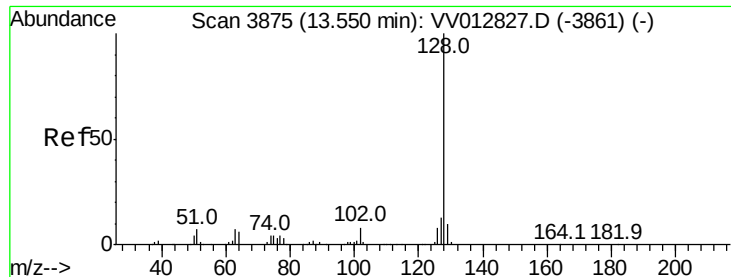
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 9.136 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. -0.00 min

Lab File: VV012828.D

Acq: 16 Sep 2019 10:25

Instrument :

MSVOA_V

ClientSampleId :

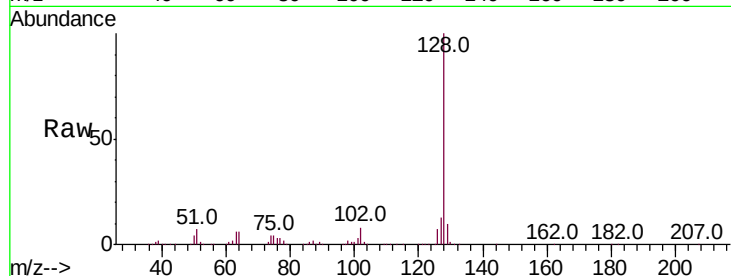
Tot Ion:128 Resp: 548523

Ion Ratio Lower Upper

128 100

129 10.8 8.3 12.5

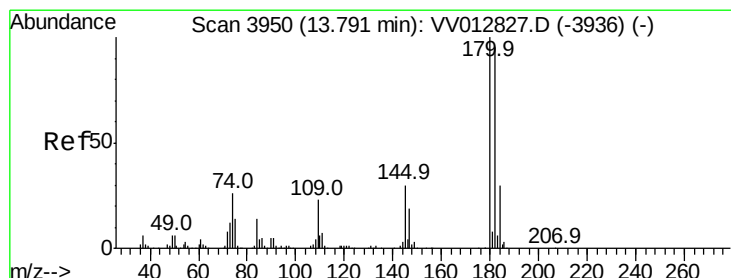
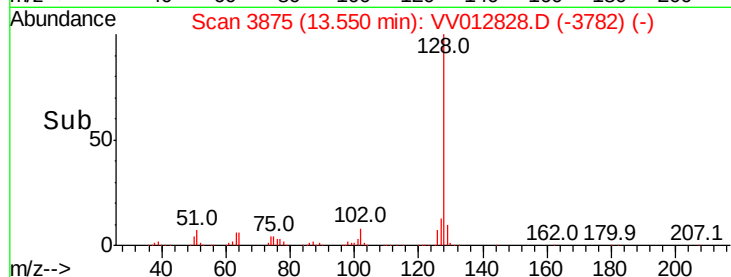
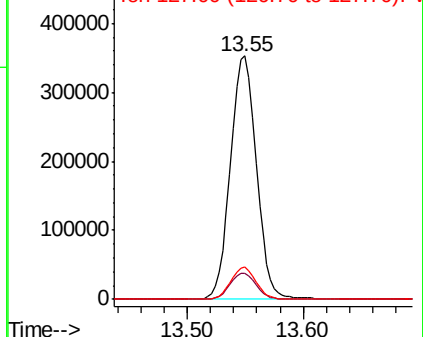
127 13.0 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 9.306 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV012828.D

Acq: 16 Sep 2019 10:25

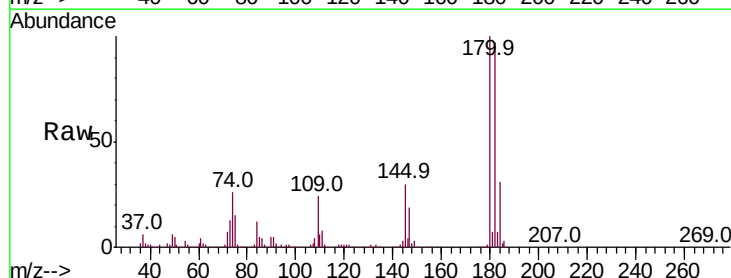
Tgt Ion:180 Resp: 354090

Ion Ratio Lower Upper

180 100

182 96.0 76.2 114.4

145 29.7 24.9 37.3



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

