

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091619\
 Data File : VV012826.D
 Acq On : 16 Sep 2019 09:32
 Operator : SY/MD
 Sample : VSTD00134
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 16 16:38:44 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	385726	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	385047	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	166952	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	29571	1.10	ug/L	0.00
7) Chloroethane-d5	1.58	69	23770	1.09	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	49112	1.13	ug/L	0.00
20) 2-Butanone-d5	3.96	46	18582	3.13	ug/L	0.00
24) Chloroform-d	4.40	84	46590	0.98	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	21511	0.96	ug/L	0.00
32) Benzene-d6	5.10	84	88349	0.96	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	27556	0.95	ug/L	0.00
41) Toluene-d8	7.36	98	73699	0.89	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	8234	0.83	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	17162	4.77	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	14336	0.72	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	25514	0.91	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	27930	0.856 ug/L	96
3) Chloromethane	1.25	50	28067	0.857 ug/L	96
5) Vinyl chloride	1.32	62	31281	0.920 ug/L	99
6) Bromomethane	1.54	94	16649	0.906 ug/L	98
8) Chloroethane	1.60	64	17901	0.908 ug/L	96
9) Trichlorofluoromethane	1.77	101	38841	0.916 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	23255	0.917 ug/L	98
12) 1,1-Dichloroethene	2.14	96	21371	0.891 ug/L	95
13) Acetone	2.21	43	19140	5.156 ug/L	94
14) Carbon disulfide	2.32	76	45175	0.726 ug/L	98
15) Methyl Acetate	2.46	43	6231	0.623 ug/L #	85
16) Methylene chloride	2.53	84	26801	0.907 ug/L	99
17) Methyl tert-butyl Ether	2.81	73	53494	0.930 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	24469	0.916 ug/L	94
19) 1,1-Dichloroethane	3.23	63	46806	0.914 ug/L	98
21) 2-Butanone	4.05	43	31142	4.918 ug/L	92
22) cis-1,2-Dichloroethene	3.96	96	24130	0.825 ug/L	95
23) Bromochloromethane	4.30	128	10559	0.843 ug/L	95
25) Chloroform	4.42	83	54958	0.971 ug/L	98
27) 1,2-Dichloroethane	5.18	62	25854	0.873 ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	38651	0.904 ug/L	98
30) Cyclohexane	4.72	56	28921	0.696 ug/L	99
31) Carbon tetrachloride	4.87	117	32615	0.871 ug/L	97
33) Benzene	5.14	78	89404	0.796 ug/L	100
34) Trichloroethene	5.96	95	26530	0.850 ug/L	98
35) Methylcyclohexane	6.17	83	27948	0.647 ug/L	97
37) 1,2-Dichloropropane	6.22	63	23006	0.813 ug/L #	97
38) Bromodichloromethane	6.55	83	32386	0.881 ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	28148	0.764 ug/L	97
40) 4-Methyl-2-pentanone	7.28	43	115497	7.310 ug/L	91

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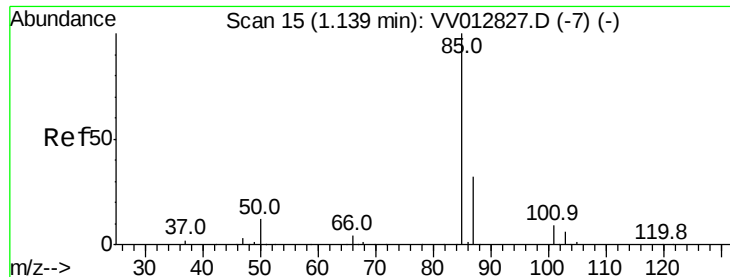
Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 16 16:38:44 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	86192	0.739	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	22711	0.809	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	17909	0.906	ug/L	95
47) Tetrachloroethene	8.02	164	18752	0.774	ug/L	98
48) 2-Hexanone	8.19	43	97544	8.550	ug/L #	90
49) Dibromochloromethane	8.29	129	19700	0.838	ug/L	99
50) 1,2-Dibromoethane	8.40	107	14554	0.837	ug/L	94
51) Chlorobenzene	8.92	112	62758	0.811	ug/L	97
52) Ethylbenzene	9.05	91	87481	0.697	ug/L	99
53) m,p-xylene	9.18	106	31554	0.667	ug/L	98
54) o-xylene	9.59	106	30759	0.677	ug/L	98
55) Styrene	9.60	104	49020	0.645	ug/L	96
56) Isopropylbenzene	9.97	105	81573	0.676	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	16320	0.836	ug/L #	95
59) 1,2,3-Trichloropropane	10.32	75	15100	0.900	ug/L	98
61) Bromoform	9.77	173	9982	0.885	ug/L	94
62) 1,3-Dichlorobenzene	11.23	146	43942	0.838	ug/L	96
63) 1,4-Dichlorobenzene	11.32	146	48266	0.911	ug/L	95
65) 1,2-Dichlorobenzene	11.69	146	44358	0.894	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.48	75	2217	0.876	ug/L	94
67) 1,3,5-Trichlorobenzene	12.69	180	34074	0.859	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	23862	0.762	ug/L	94
69) Naphthalene	13.55	128	30950	0.662	ug/L	97
70) 1,2,3-Trichlorobenzene	13.79	180	23421	0.791	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 0.856 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012826.D

Acq: 16 Sep 2019 09:32

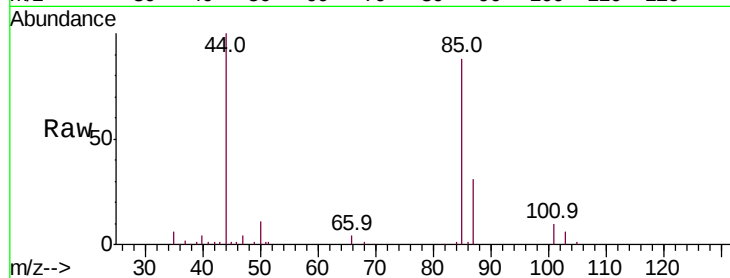
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 27930

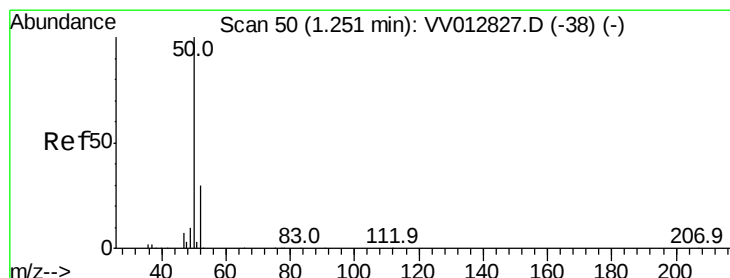
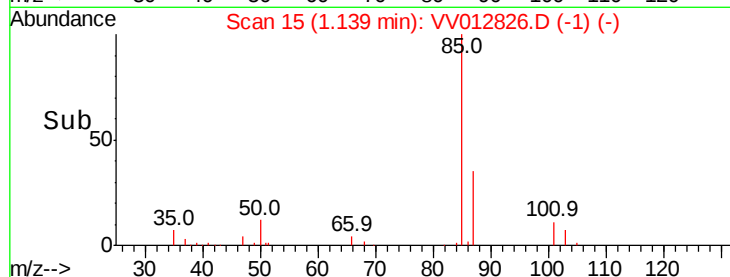
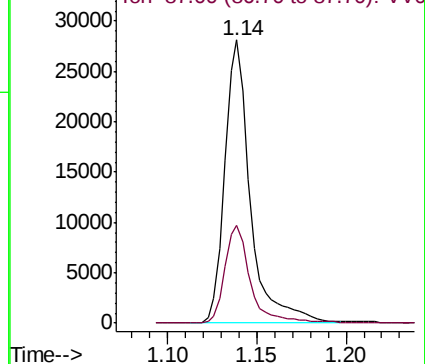
Ion Ratio Lower Upper

85 100

87 34.5 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VV0
Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 0.857 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV012826.D

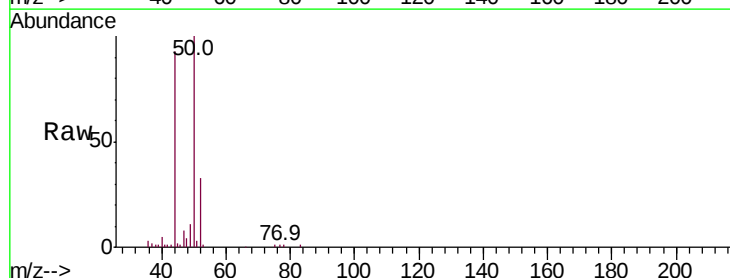
Acq: 16 Sep 2019 09:32

Tgt Ion: 50 Resp: 28067

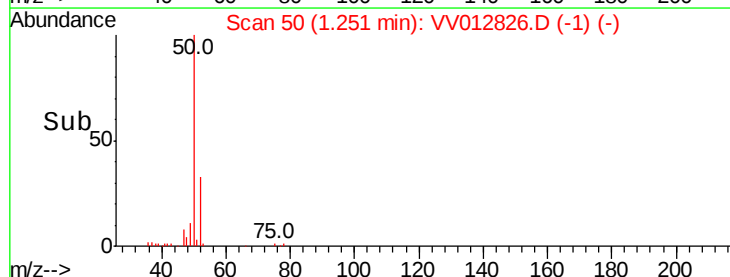
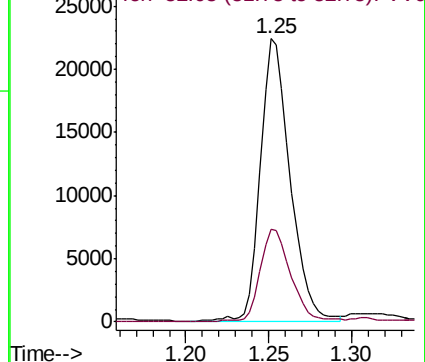
Ion Ratio Lower Upper

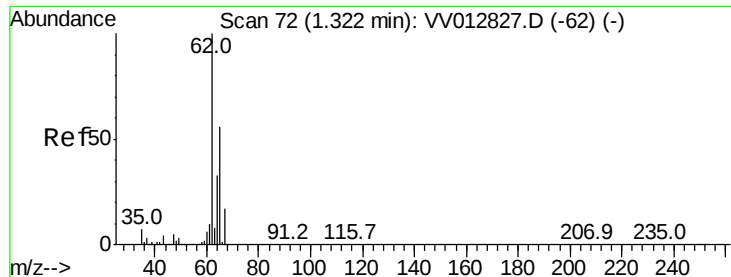
50 100

52 32.6 21.3 39.6



Abundance Ion 50.05 (49.75 to 50.75): VV0
Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 0.920 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012826.D

Acq: 16 Sep 2019 09:32

Instrument :

MSVOA_V

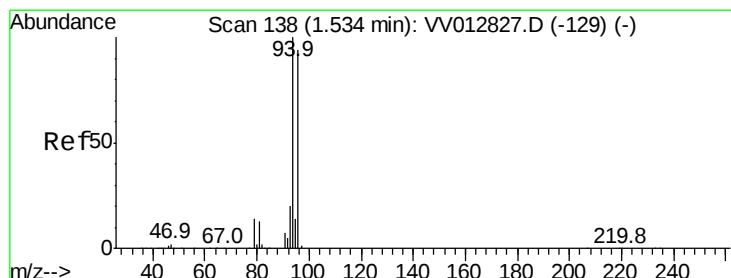
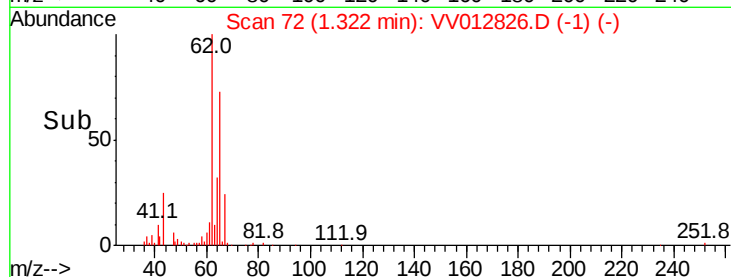
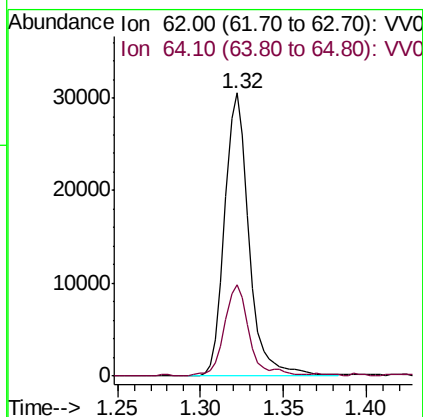
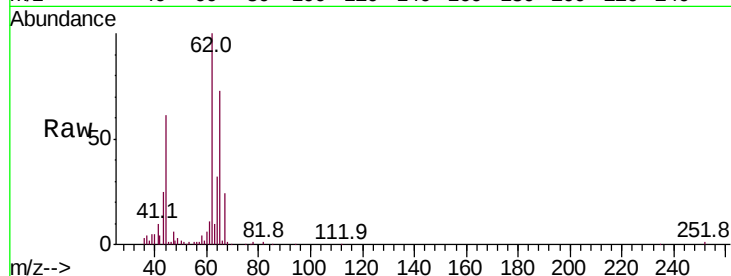
ClientSampleId :

Tot Ion: 62 Resp: 31281

Ion Ratio Lower Upper

62 100

64 32.4 23.2 43.0



#6

Bromomethane

Concen: 0.906 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV012826.D

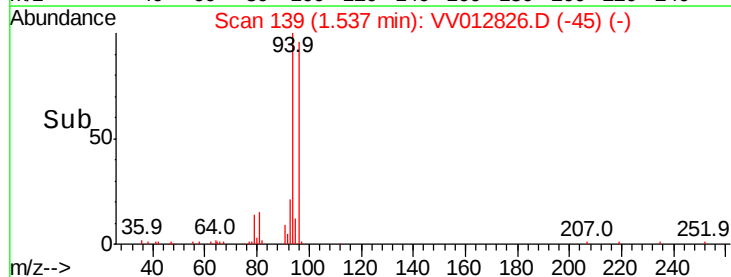
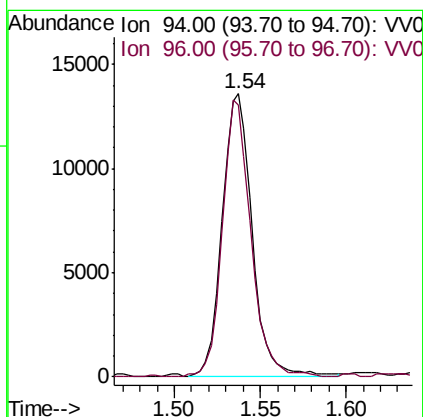
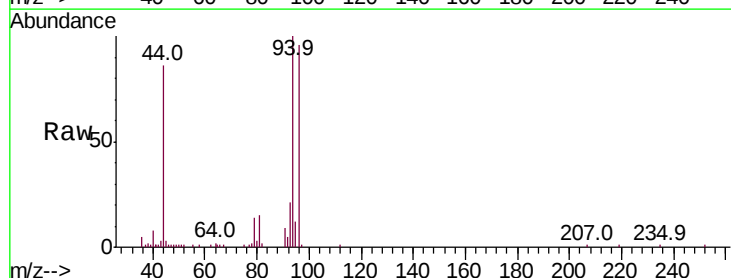
Acq: 16 Sep 2019 09:32

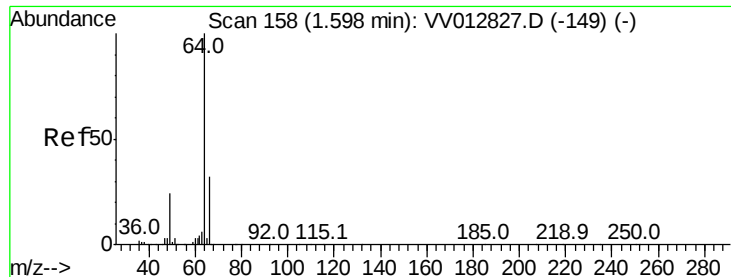
Tgt Ion: 94 Resp: 16649

Ion Ratio Lower Upper

94 100

96 95.9 66.1 122.7





#8

Chloroethane

Concen: 0.908 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV012826.D

Acq: 16 Sep 2019 09:32

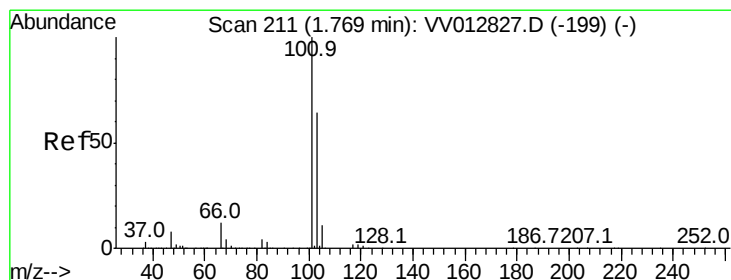
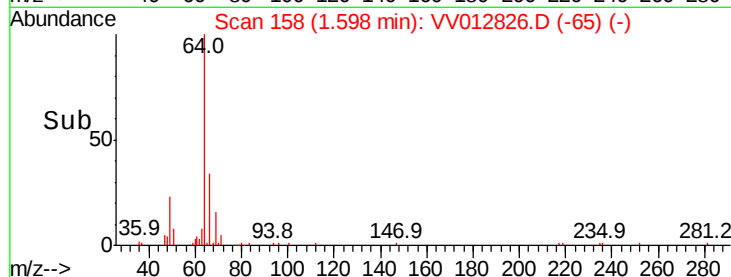
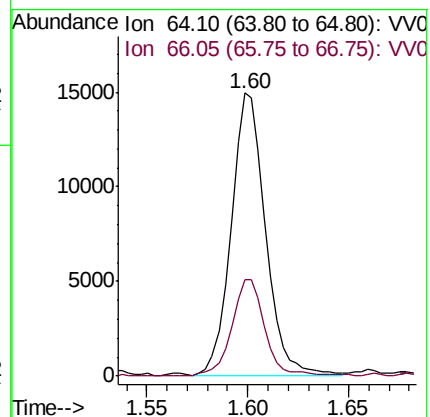
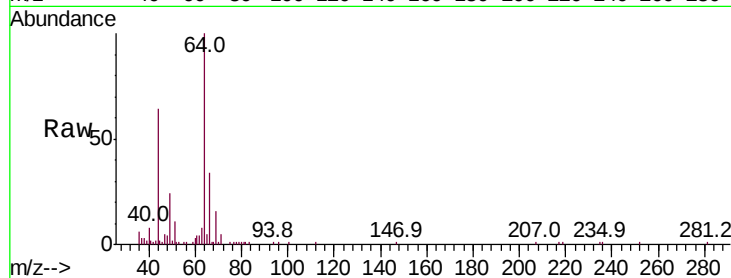
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 64 Resp: 17901

Ion Ratio Lower Upper

64 100

66 34.0 22.3 41.5



#9

Trichlorofluoromethane

Concen: 0.916 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV012826.D

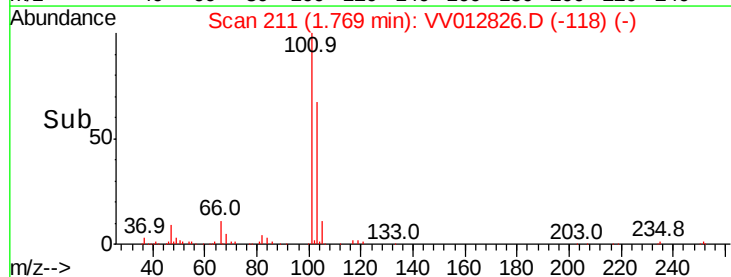
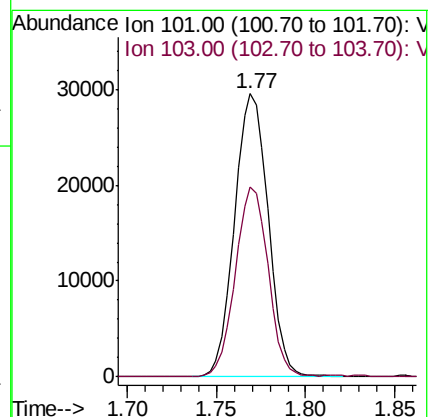
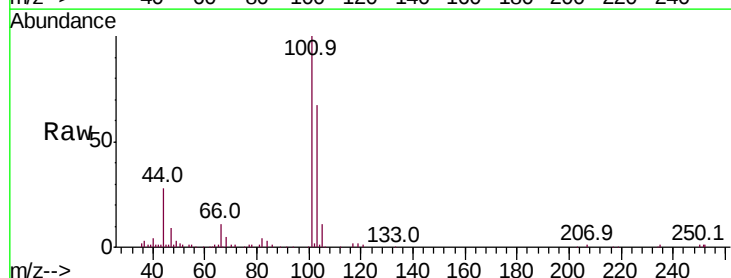
Acq: 16 Sep 2019 09:32

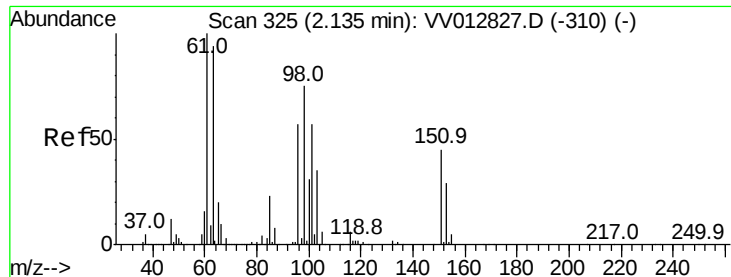
Tgt Ion: 101 Resp: 38841

Ion Ratio Lower Upper

101 100

103 65.3 51.2 76.8





#10

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

Concen: 0.917 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012826.D

Acq: 16 Sep 2019 09:32

Instrument :

MSVOA_V

ClientSampleId :

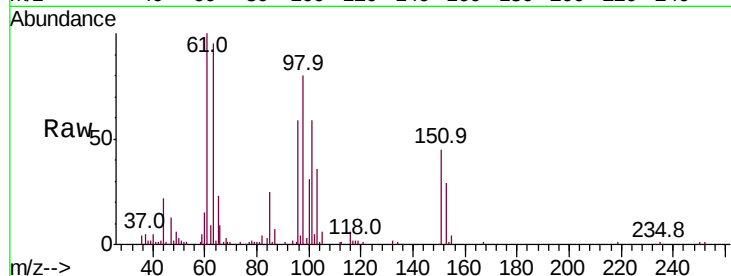
Tot Ion:101 Resp: 23255

Ion Ratio Lower Upper

101 100

85 41.8 32.9 49.3

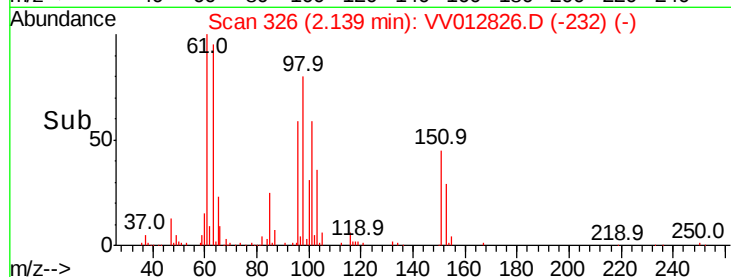
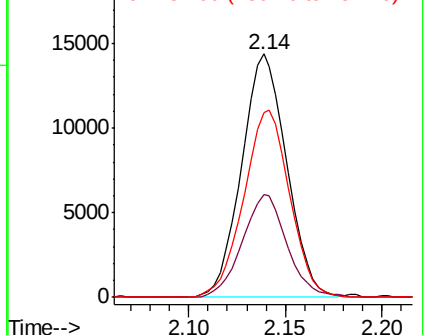
151 78.5 65.0 97.6



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: 0.891 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV012826.D

Acq: 16 Sep 2019 09:32

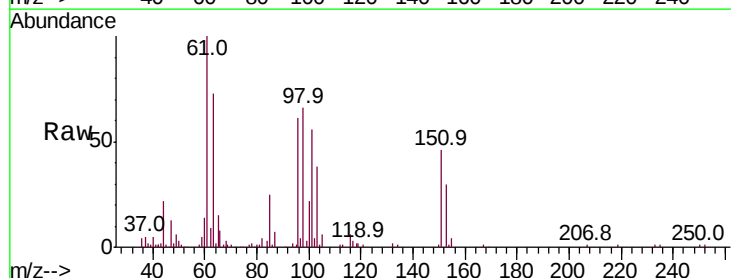
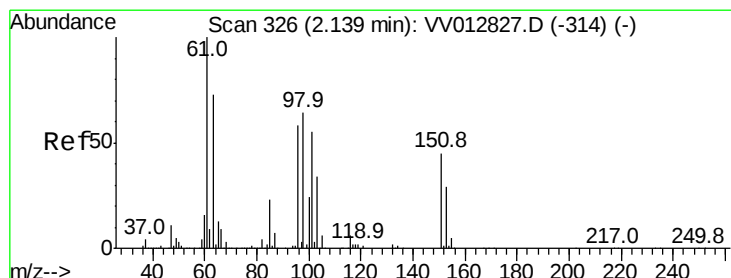
Tgt Ion: 96 Resp: 21371

Ion Ratio Lower Upper

96 100

61 164.8 120.1 223.1

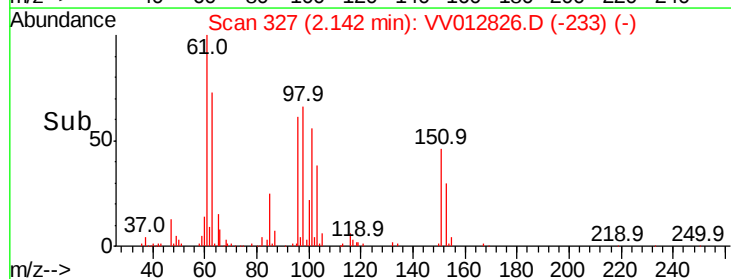
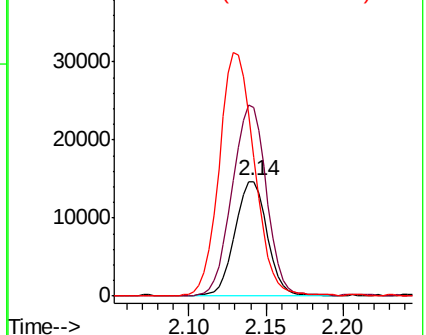
63 121.1 88.3 164.1

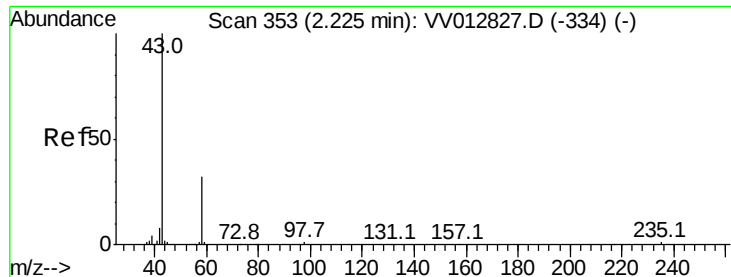


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 5.156 ug/L

RT: 2.21 min Scan# 348

Delta R.T. -0.02 min

Lab File: VV012826.D

Acq: 16 Sep 2019 09:32

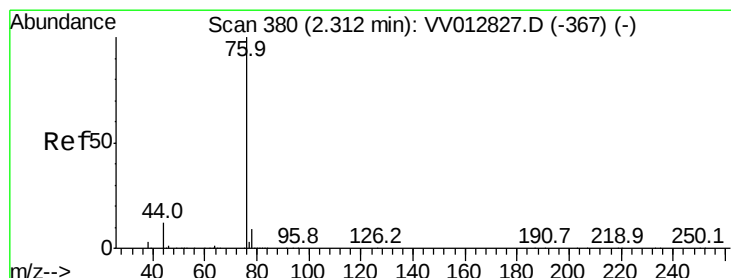
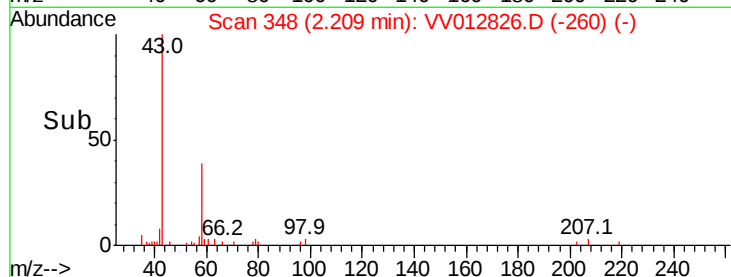
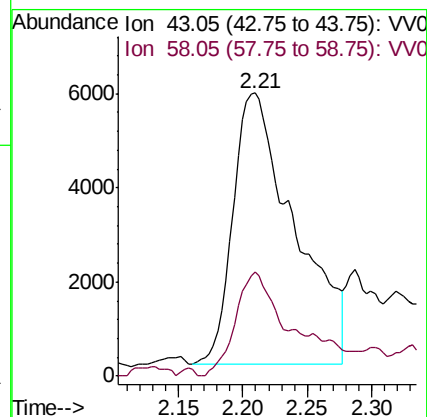
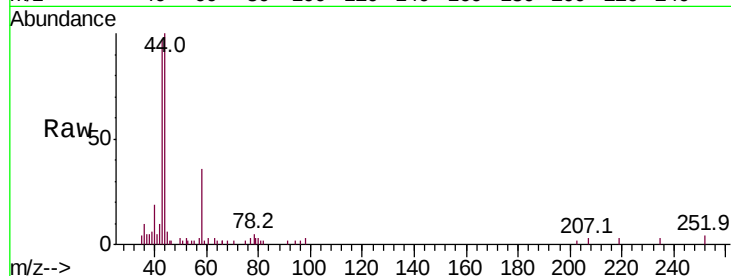
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 19140

Ion Ratio Lower Upper

43 100

58 25.0 0.0 56.6



#14

Carbon disulfide

Concen: 0.726 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV012826.D

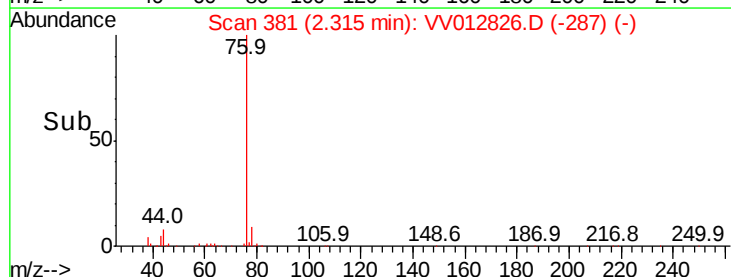
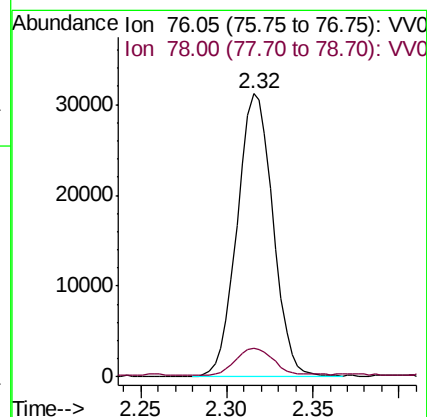
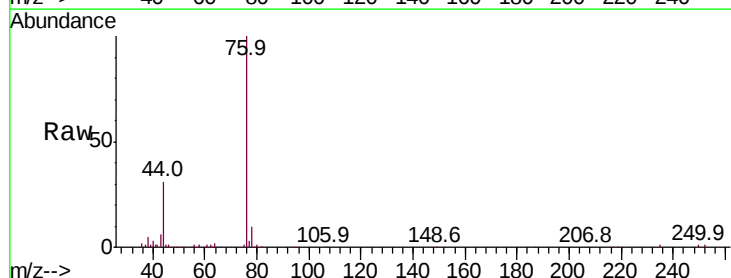
Acq: 16 Sep 2019 09:32

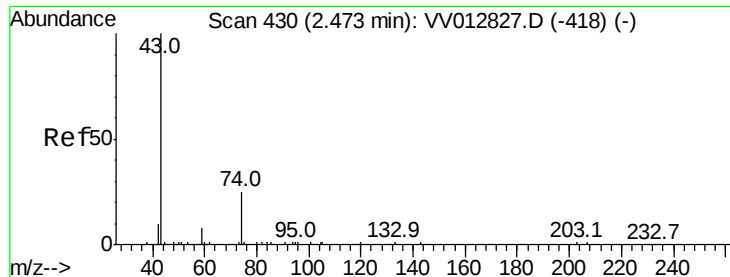
Tgt Ion: 76 Resp: 45175

Ion Ratio Lower Upper

76 100

78 10.3 7.6 11.4





#15

Methyl Acetate

Concen: 0.623 ug/L

RT: 2.46 min Scan# 427

Delta R.T. -0.01 min

Lab File: VV012826.D

Acq: 16 Sep 2019 09:32

Instrument :

MSVOA_V

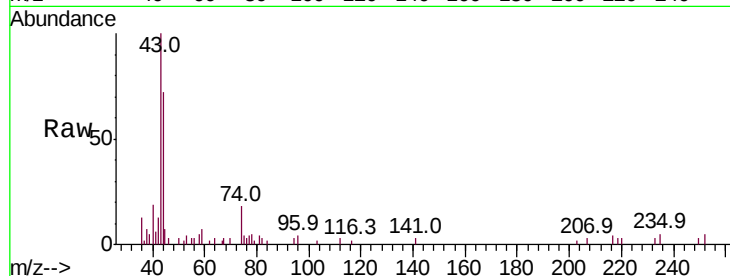
ClientSampleId :

Tot Ion: 43 Resp: 6231

Ion Ratio Lower Upper

43 100

74 33.4 20.7 31.1#

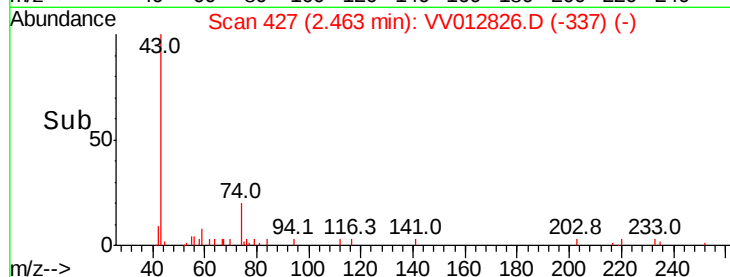


Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

2.46

Time-->



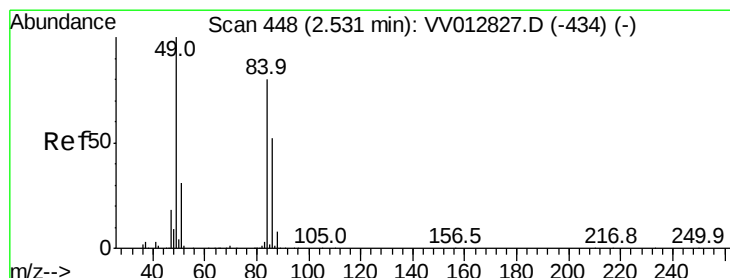
Abundance

Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

2.46

Time-->



#16

Methylene chloride

Concen: 0.907 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV012826.D

Acq: 16 Sep 2019 09:32

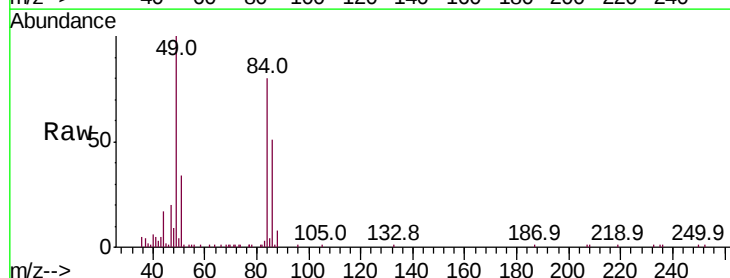
Tgt Ion: 84 Resp: 26801

Ion Ratio Lower Upper

84 100

86 63.6 45.4 84.4

49 124.7 88.0 163.4



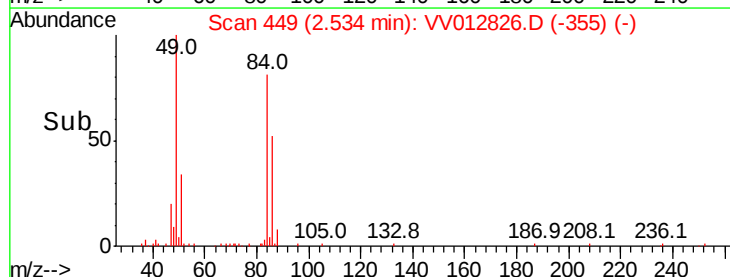
Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

2.53

Time-->



Abundance

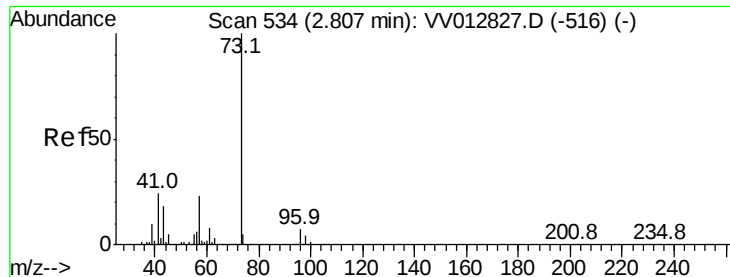
Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

2.53

Time-->



#17

Methvl tert-butvl Ether

Concen: 0.930 ug/L

RT: 2.81 min Scan# 534

Delta R.T. 0.00 min

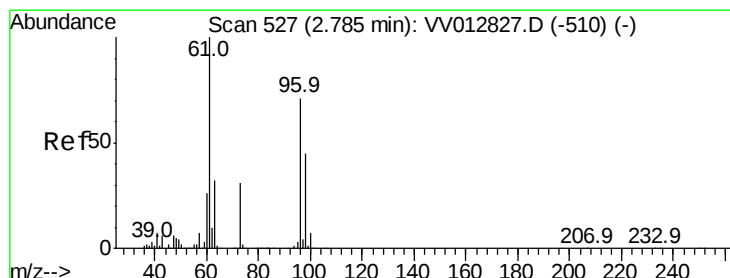
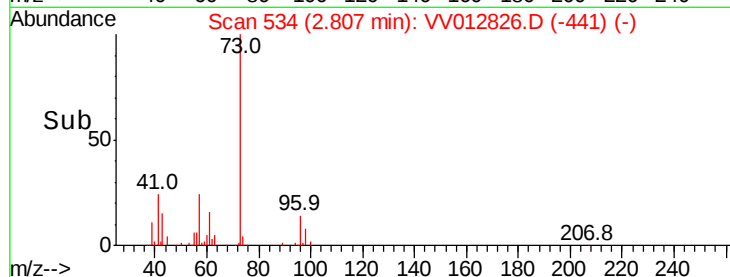
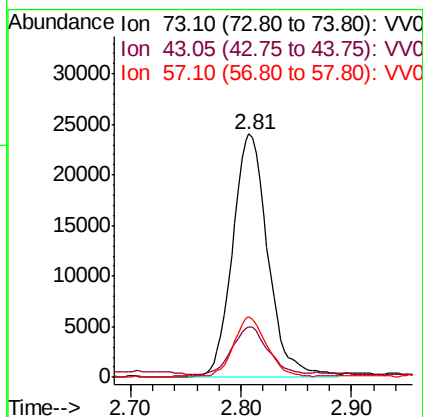
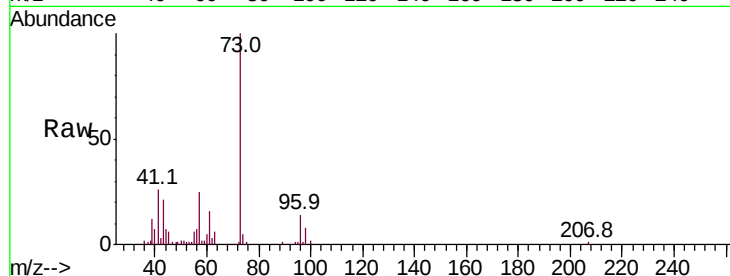
Lab File: VV012826.D

Acq: 16 Sep 2019 09:32

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 73 Resp: 53494

Ion	Ratio	Lower	Upper
73	100		
43	19.7	14.5	21.7
57	23.5	18.2	27.4



#18

trans-1,2-Dichloroethene

Concen: 0.916 ug/L

RT: 2.79 min Scan# 528

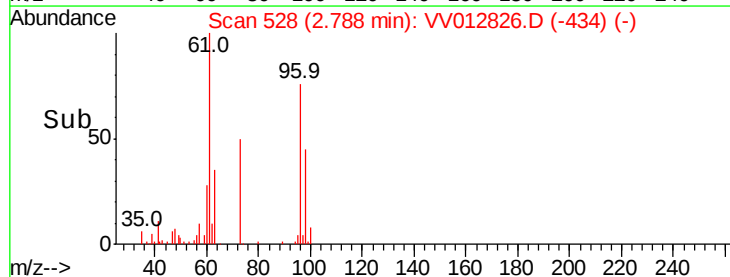
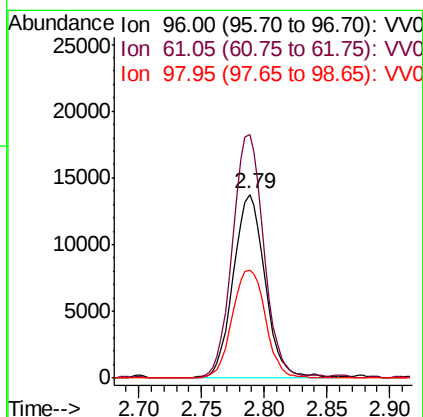
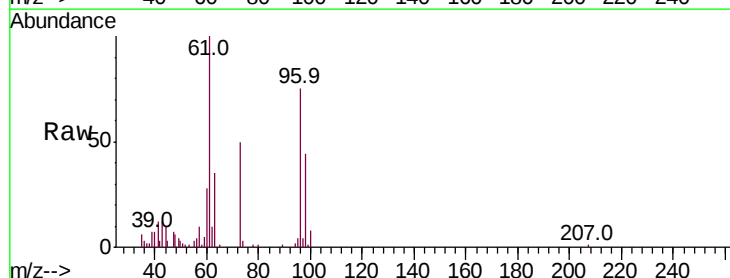
Delta R.T. 0.00 min

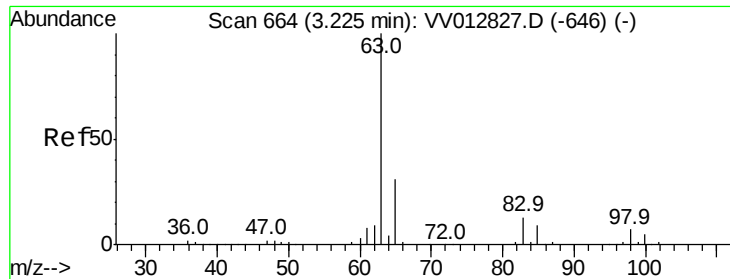
Lab File: VV012826.D

Acq: 16 Sep 2019 09:32

Tgt Ion: 96 Resp: 24469

Ion	Ratio	Lower	Upper
96	100		
61	132.6	98.2	182.4
98	58.9	44.6	82.8

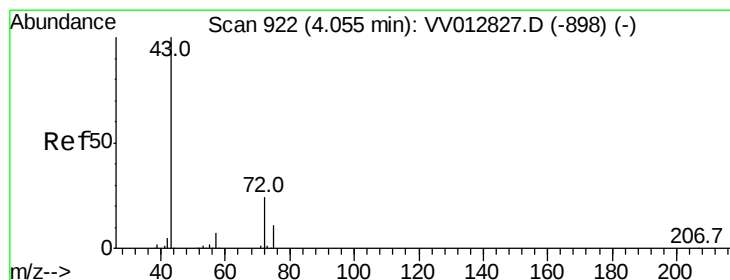
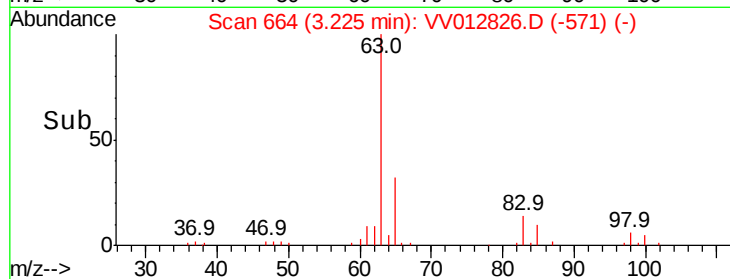
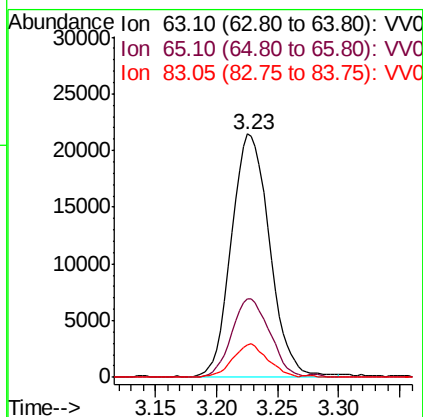
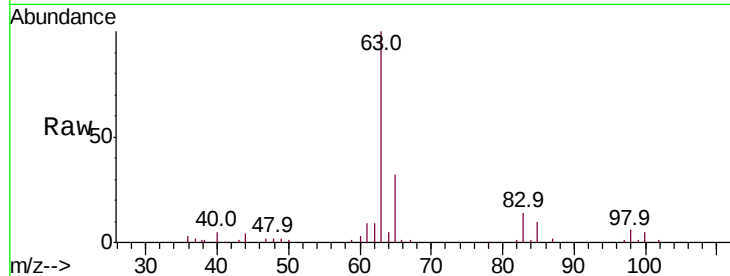




#19
 1,1-Dichloroethane
 Concen: 0.914 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. 0.00 min
 Lab File: VV012826.D
 Acq: 16 Sep 2019 09:32

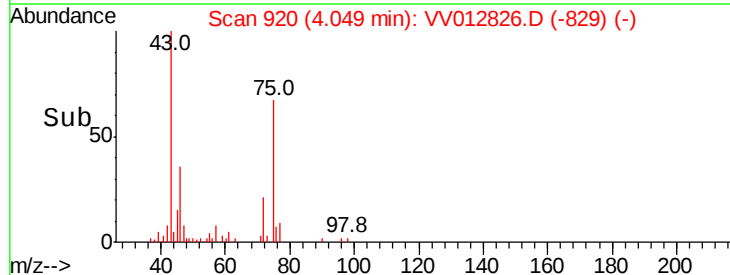
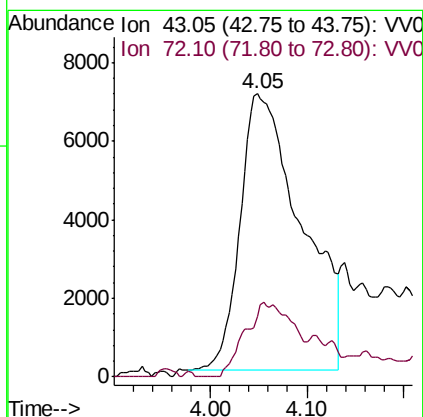
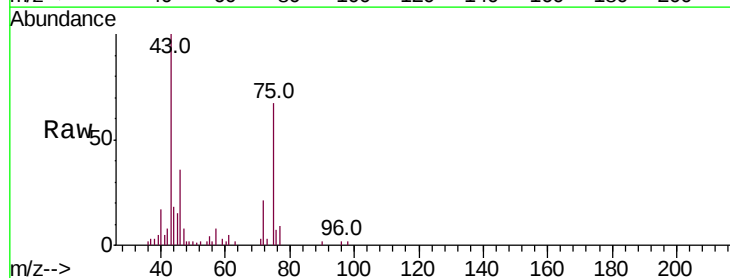
Instrument :
 MSVOA_V
 ClientSampled :

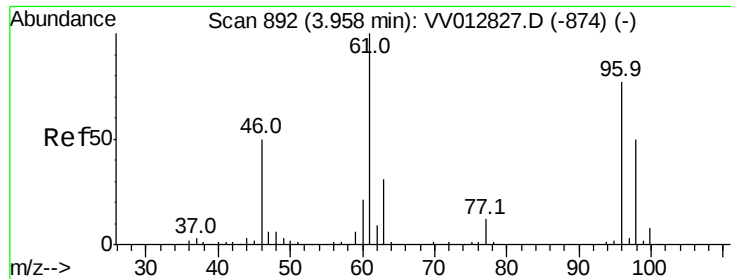
Tot Ion: 63 Resp: 46806
 Ion Ratio Lower Upper
 63 100
 65 32.4 21.8 40.4
 83 13.5 9.2 17.0



#21
 2-Butanone
 Concen: 4.918 ug/L
 RT: 4.05 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VV012826.D
 Acq: 16 Sep 2019 09:32

Tgt Ion: 43 Resp: 31142
 Ion Ratio Lower Upper
 43 100
 72 21.3 12.6 37.6



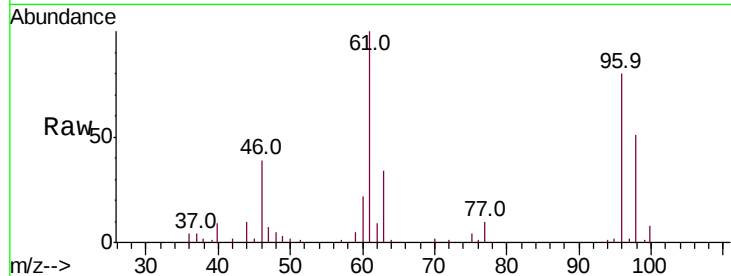


#22

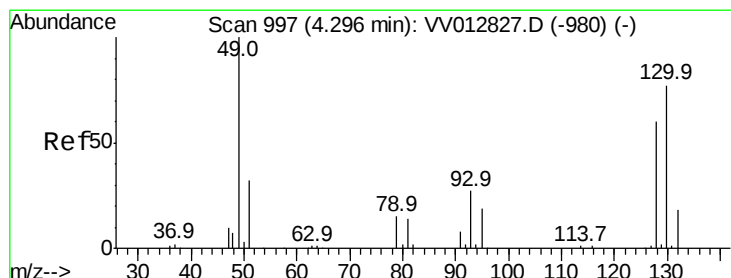
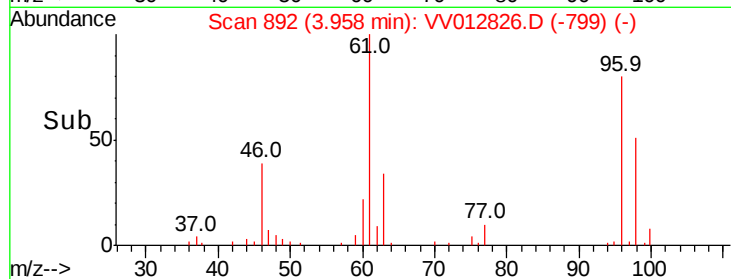
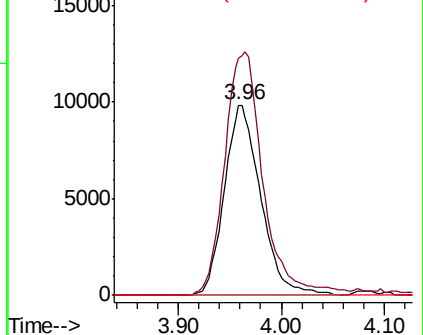
cis-1,2-Dichloroethene
Concen: 0.825 ug/L
RT: 3.96 min Scan# 892
Delta R.T. 0.00 min
Lab File: VV012826.D
Acq: 16 Sep 2019 09:32

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 24130
Ion Ratio Lower Upper
96 100
61 124.3 91.2 169.4
68 0.0 0.0 0.0



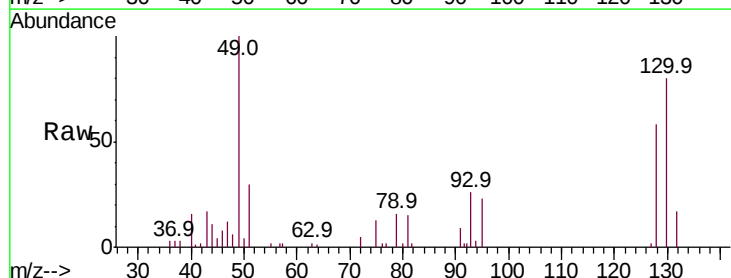
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



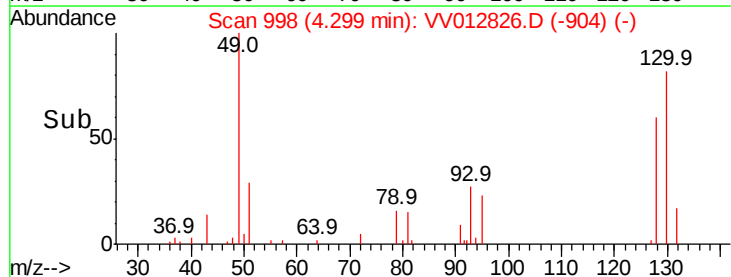
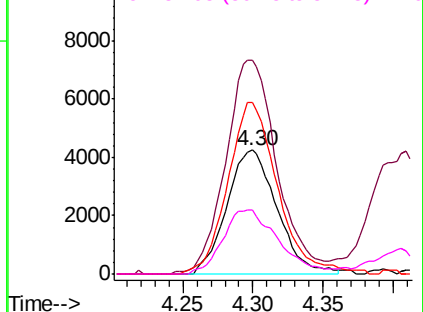
#23

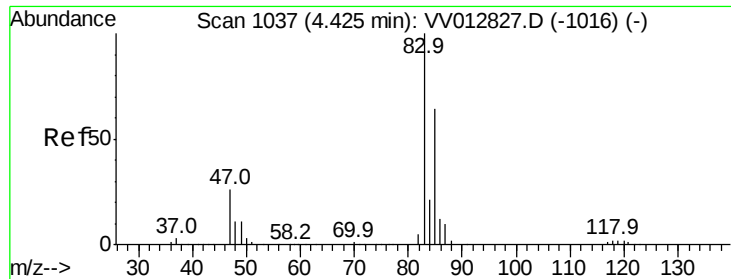
Bromochloromethane
Concen: 0.843 ug/L
RT: 4.30 min Scan# 998
Delta R.T. 0.00 min
Lab File: VV012826.D
Acq: 16 Sep 2019 09:32

Tgt Ion: 128 Resp: 10559
Ion Ratio Lower Upper
128 100
49 172.2 117.5 218.3
130 138.3 89.9 167.0
51 52.0 42.7 64.1



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VV0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VV0

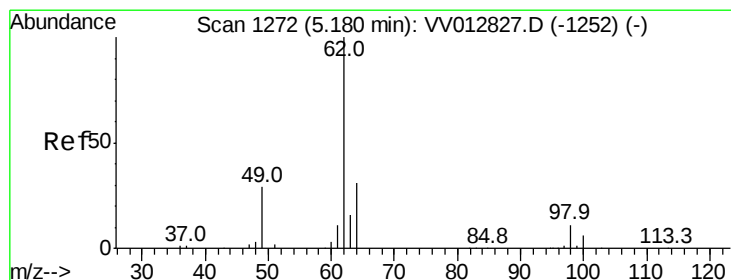
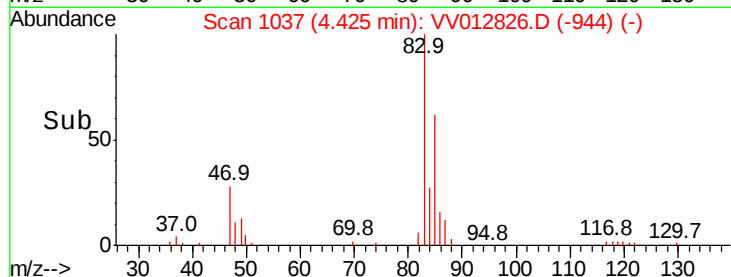
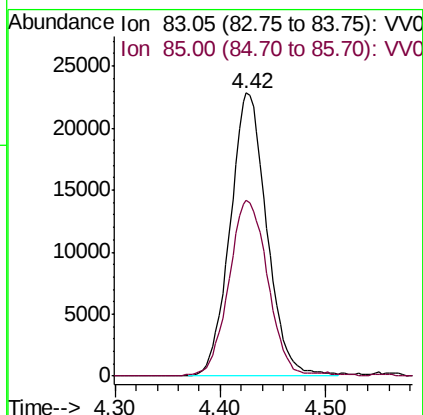
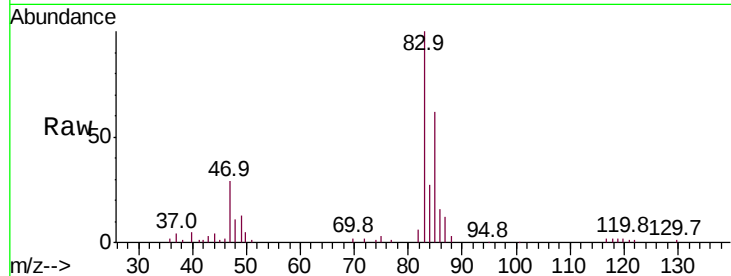




#25
Chloroform
Concen: 0.971 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV012826.D
Acq: 16 Sep 2019 09:32

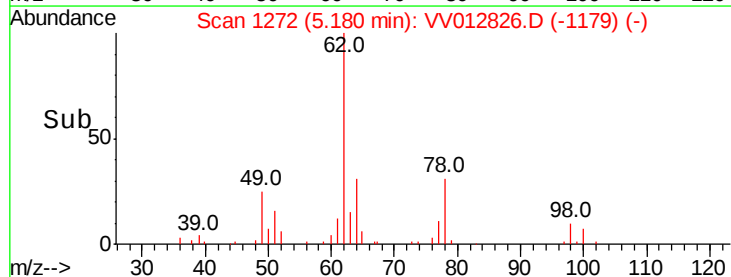
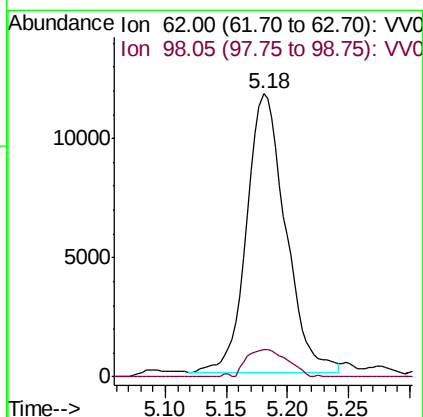
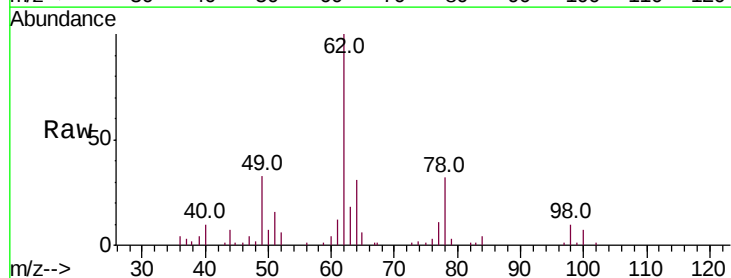
Instrument :
MSVOA_V
ClientSampled :

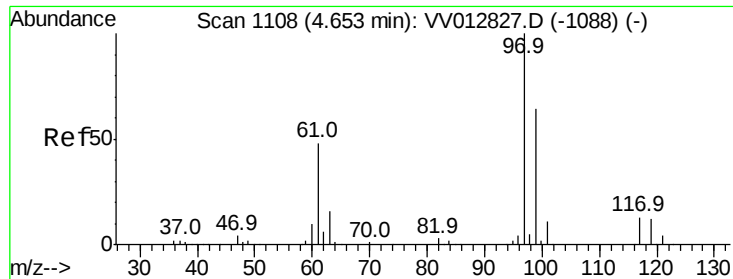
Tot Ion: 83 Resp: 54958
Ion Ratio Lower Upper
83 100
85 62.3 44.4 82.5



#27
1,2-Dichloroethane
Concen: 0.873 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV012826.D
Acq: 16 Sep 2019 09:32

Tgt Ion: 62 Resp: 25854
Ion Ratio Lower Upper
62 100
98 9.7 8.3 12.5





#29

1,1,1-Trichloroethane

Concen: 0.904 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV012826.D

Acq: 16 Sep 2019 09:32

Instrument :
MSVOA_V
ClientSampled :

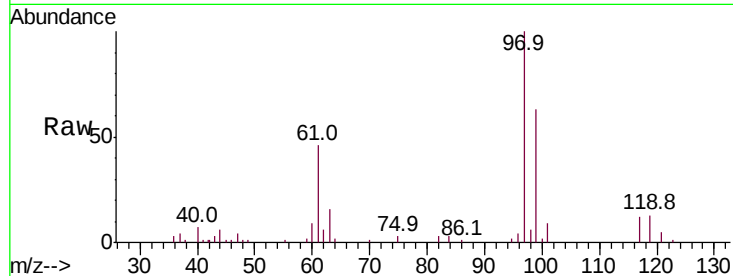
Tot Ion: 97 Resp: 38651

Ion Ratio Lower Upper

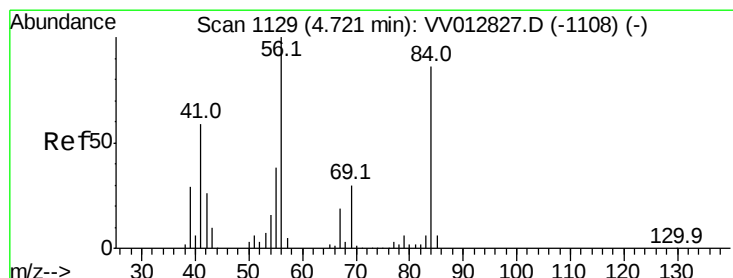
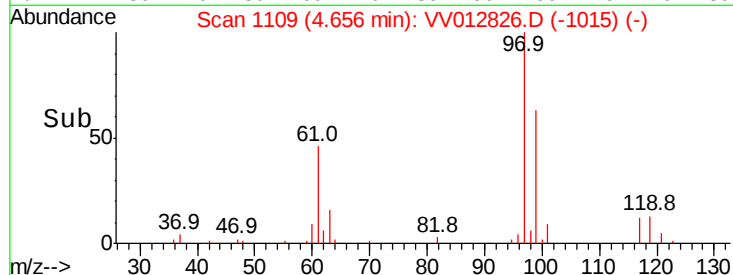
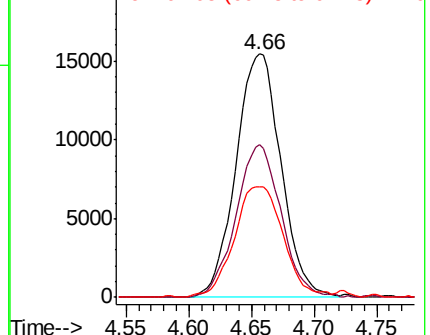
97 100

99 62.5 50.9 76.3

61 49.5 38.2 57.4



Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 0.696 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. 0.00 min

Lab File: VV012826.D

Acq: 16 Sep 2019 09:32

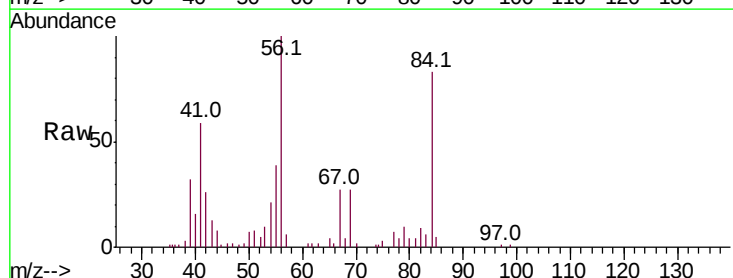
Tgt Ion: 56 Resp: 28921

Ion Ratio Lower Upper

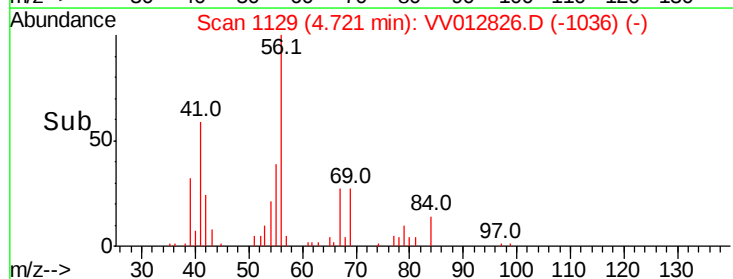
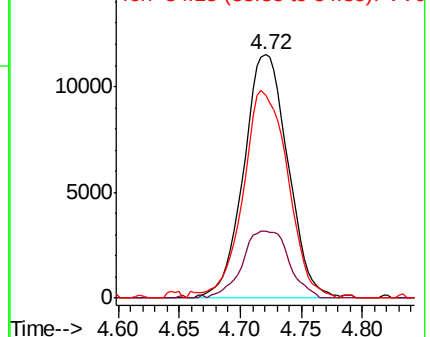
56 100

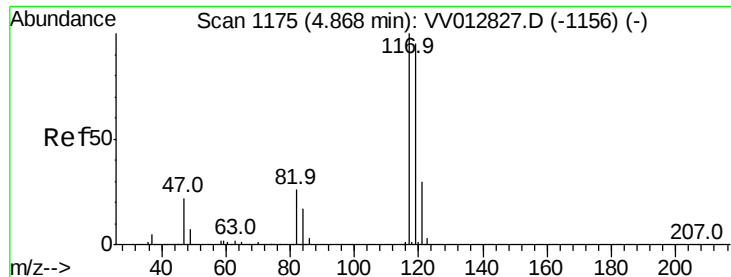
69 29.1 23.9 35.9

84 86.0 67.9 101.9



Abundance Ion 56.10 (55.80 to 56.80): VV0
Ion 69.15 (68.85 to 69.85): VV0
Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 0.871 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VV012826.D

Acq: 16 Sep 2019 09:32

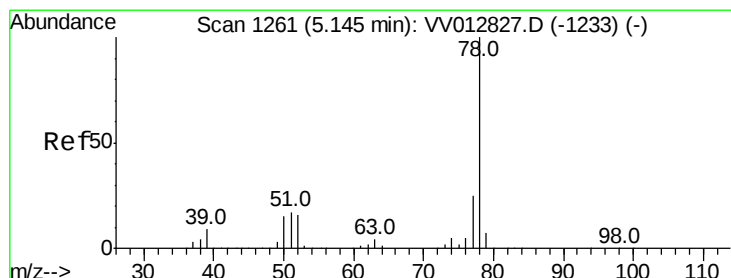
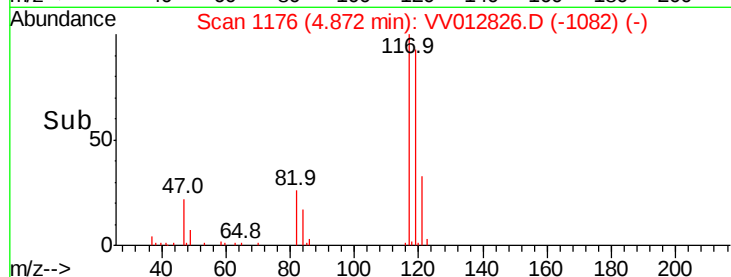
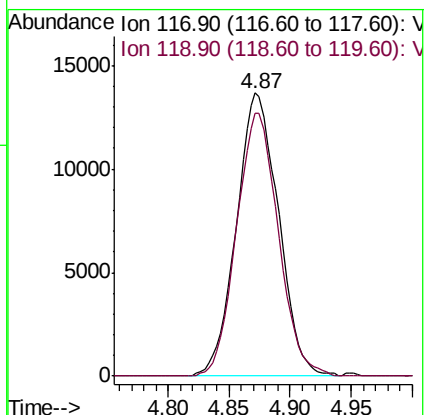
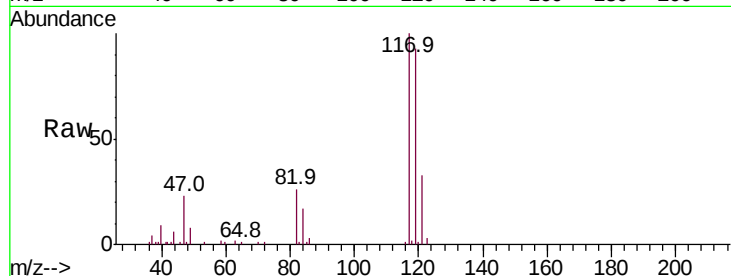
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:117 Resp: 32615

Ion Ratio Lower Upper

117 100

119 92.3 76.4 114.6



#33

Benzene

Concen: 0.796 ug/L

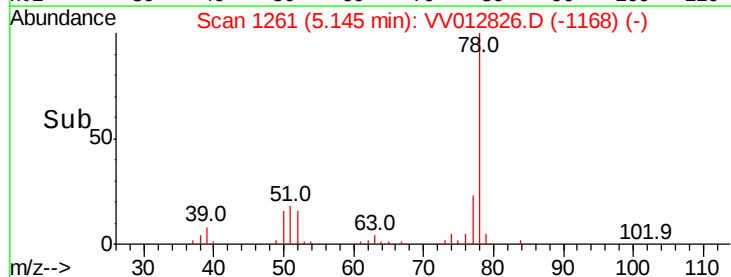
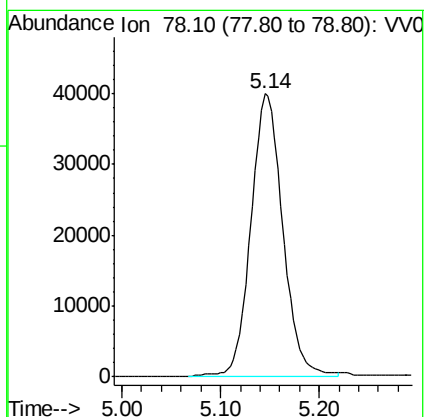
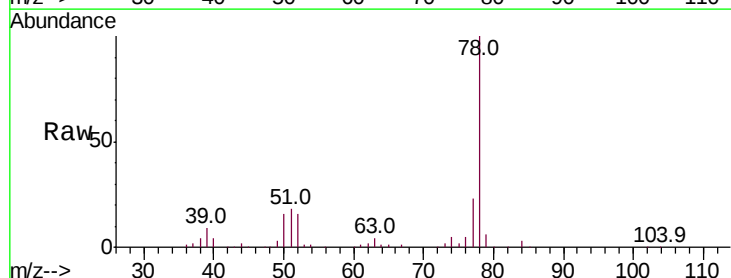
RT: 5.14 min Scan# 1261

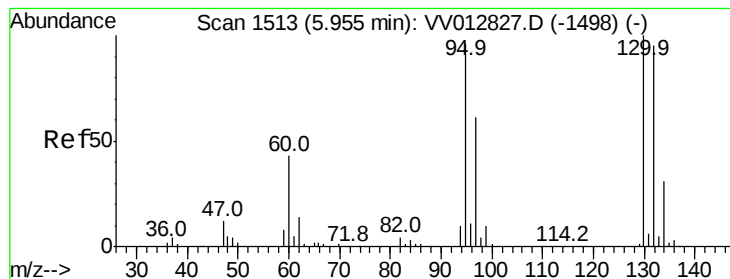
Delta R.T. 0.00 min

Lab File: VV012826.D

Acq: 16 Sep 2019 09:32

Tgt Ion: 78 Resp: 89404





#34

Trichloroethene

Concen: 0.850 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV012826.D

Acq: 16 Sep 2019 09:32

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 95 Resp: 26530

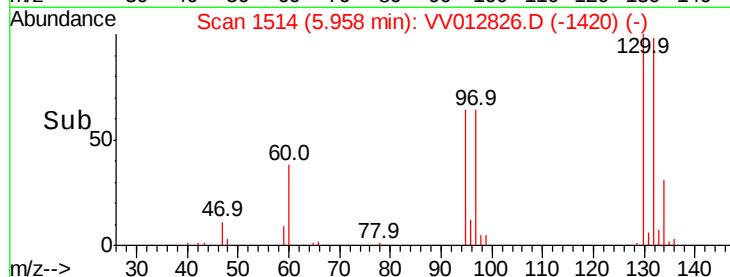
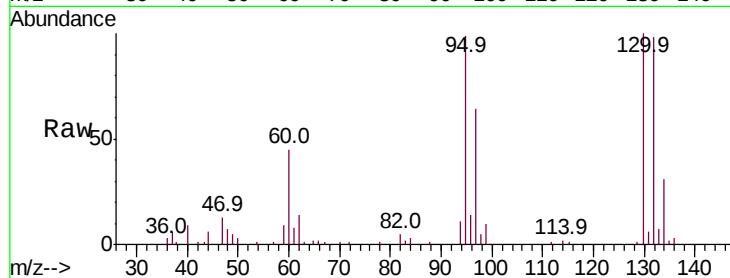
Ion Ratio Lower Upper

95 100

97 64.7 44.4 82.4

132 99.6 69.0 128.1

130 101.3 72.8 135.2



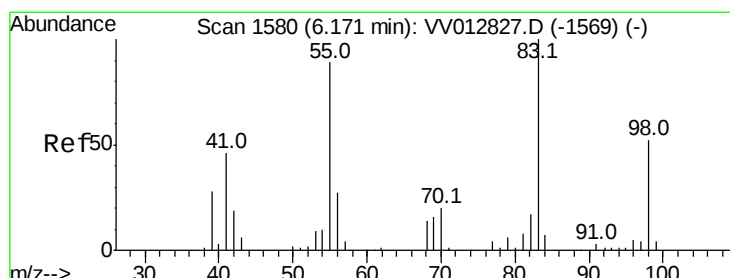
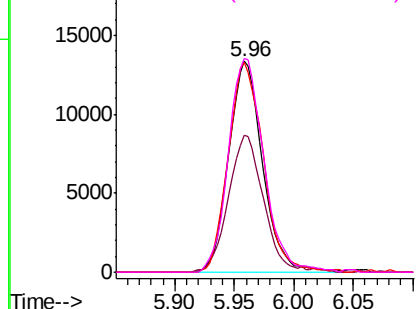
Abundance

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: 0.647 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV012826.D

Acq: 16 Sep 2019 09:32

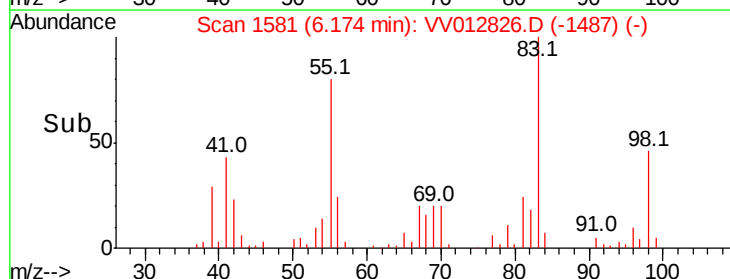
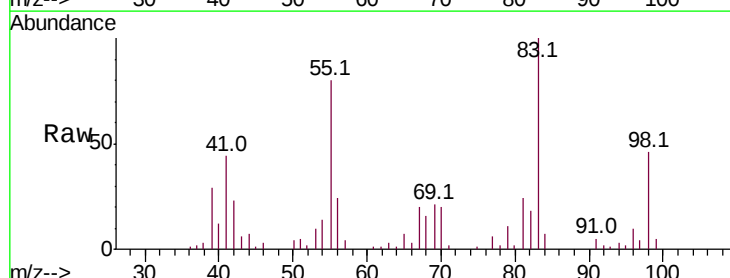
Tgt Ion: 83 Resp: 27948

Ion Ratio Lower Upper

83 100

55 85.2 65.4 98.2

98 50.5 39.0 58.4

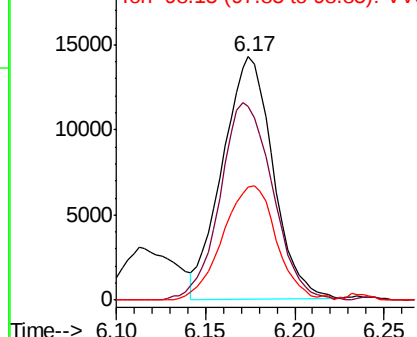


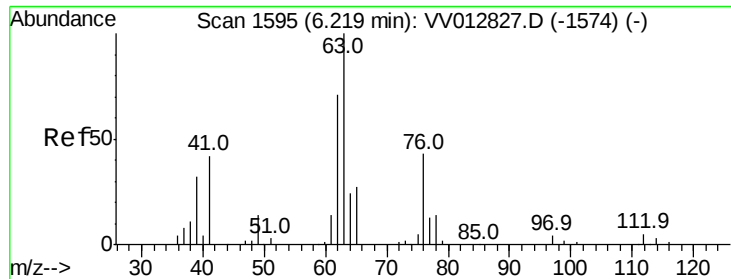
Abundance

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

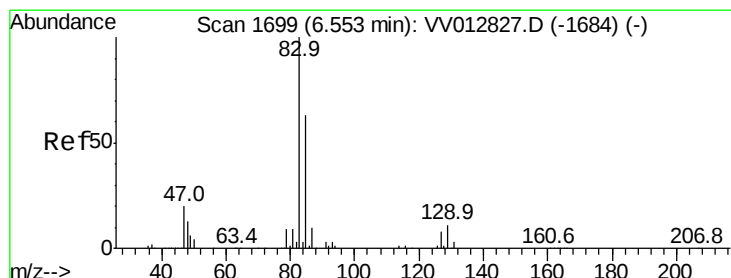
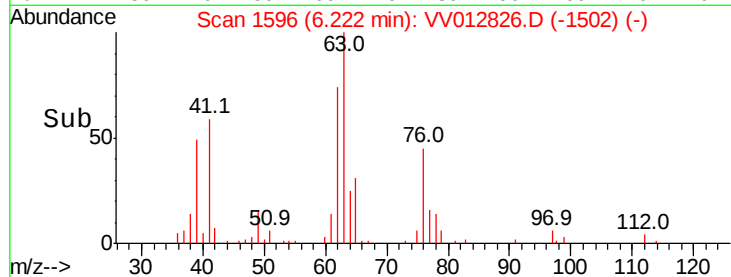
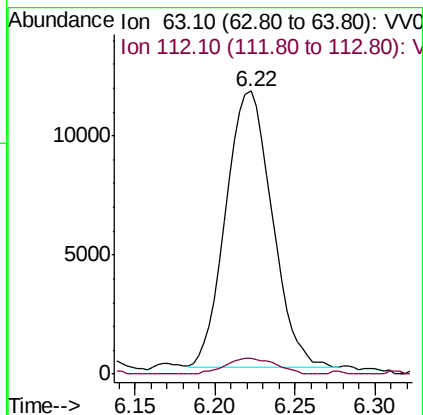
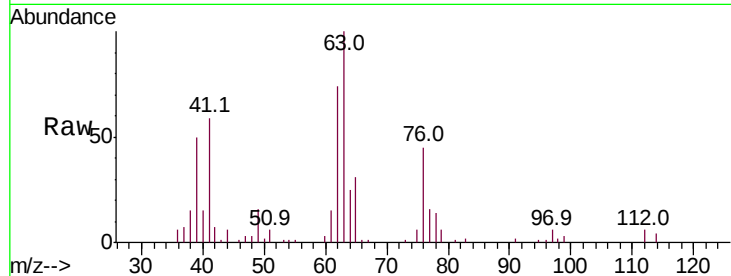




#37
 1,2-Dichloropropane
 Concen: 0.813 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: VV012826.D
 Acq: 16 Sep 2019 09:32

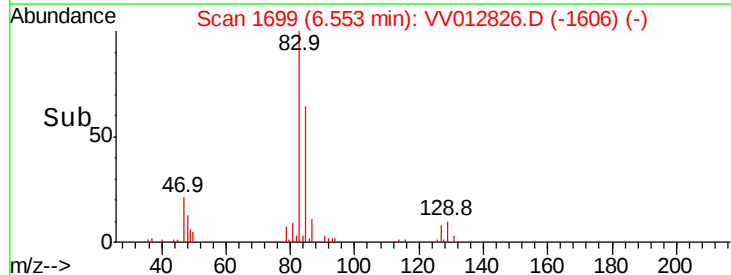
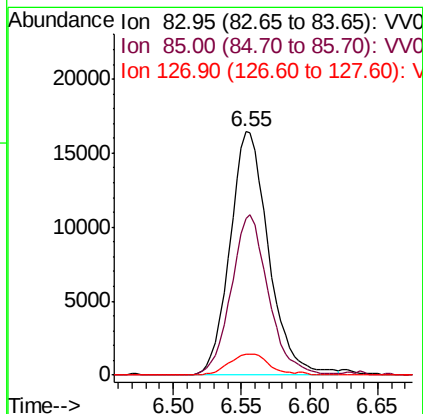
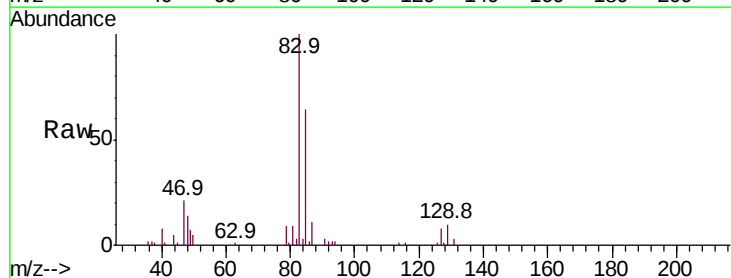
Instrument :
 MSVOA_V
 ClientSampleId :

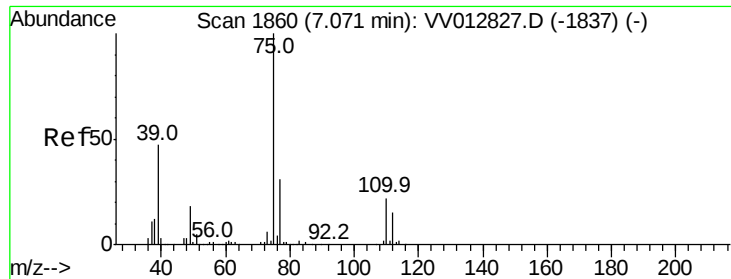
Tot Ion: 63 Resp: 23006
 Ion Ratio Lower Upper
 63 100
 112 6.3 4.2 6.2#



#38
 Bromodichloromethane
 Concen: 0.881 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV012826.D
 Acq: 16 Sep 2019 09:32

Tgt Ion: 83 Resp: 32386
 Ion Ratio Lower Upper
 83 100
 85 64.2 44.2 82.0
 127 8.4 6.7 10.1

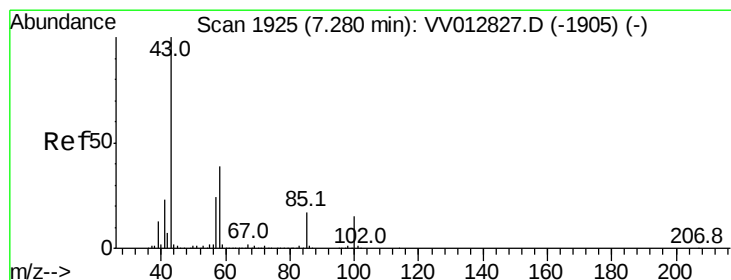
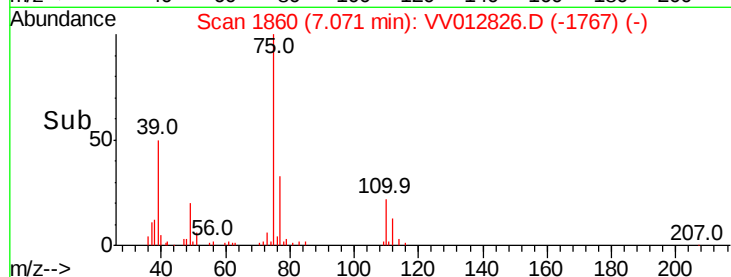
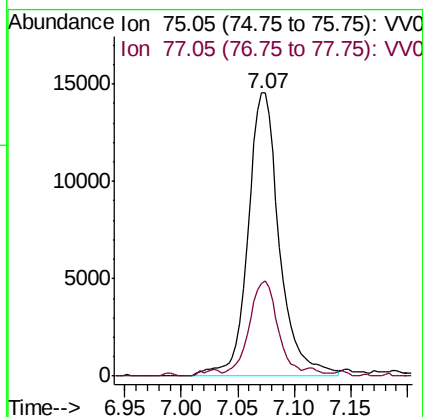
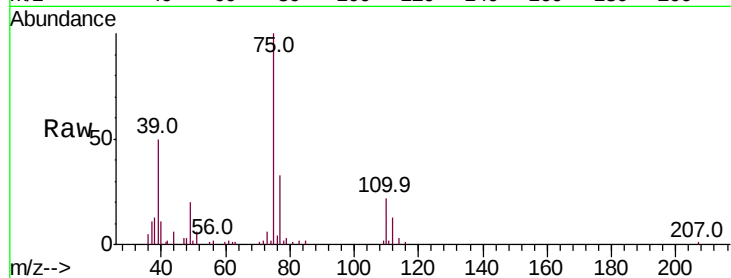




#39
 cis-1,3-Dichloropropene
 Concen: 0.764 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV012826.D
 Acq: 16 Sep 2019 09:32

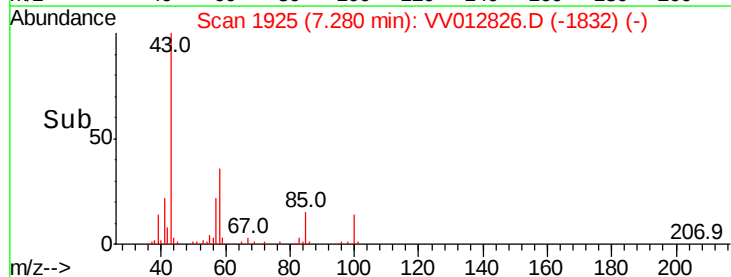
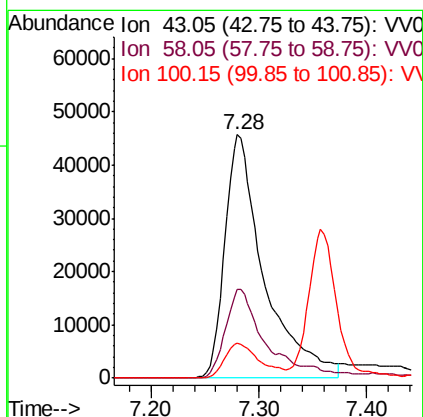
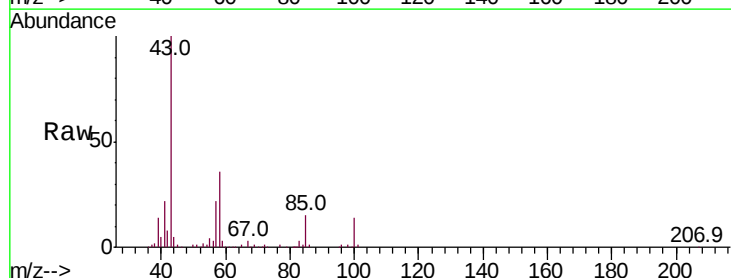
Instrument :
 MSVOA_V
 ClientSampleId :

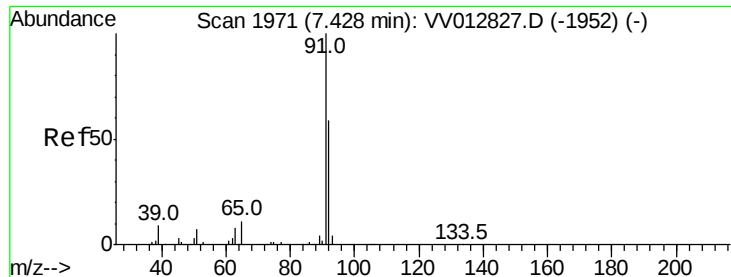
Tot Ion: 75 Resp: 28148
 Ion Ratio Lower Upper
 75 100
 77 33.0 21.8 40.6



#40
 4-Methyl-2-pentanone
 Concen: 7.310 ug/L
 RT: 7.28 min Scan# 1925
 Delta R.T. 0.00 min
 Lab File: VV012826.D
 Acq: 16 Sep 2019 09:32

Tgt Ion: 43 Resp: 115497
 Ion Ratio Lower Upper
 43 100
 58 34.7 32.9 49.3
 100 13.0 11.6 17.4





#42

Toluene

Concen: 0.739 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012826.D

Acq: 16 Sep 2019 09:32

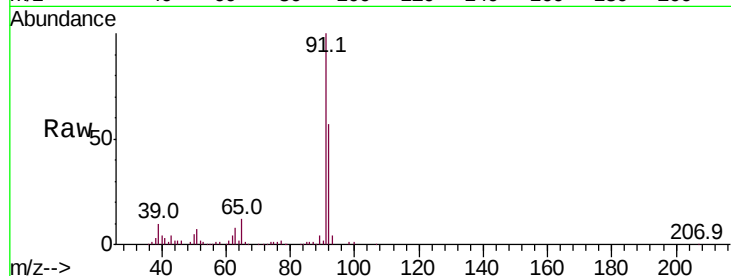
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 86192

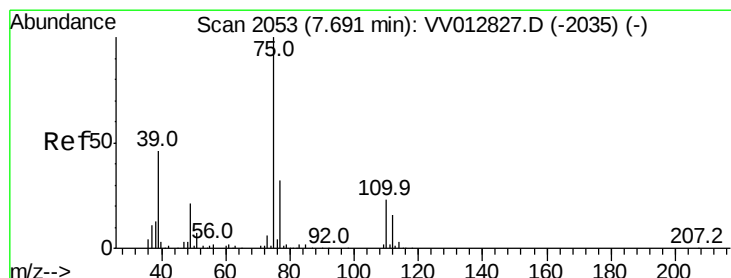
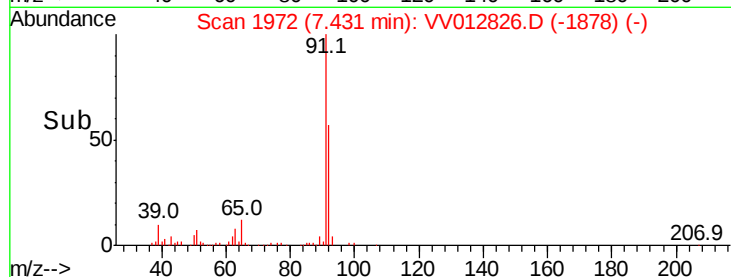
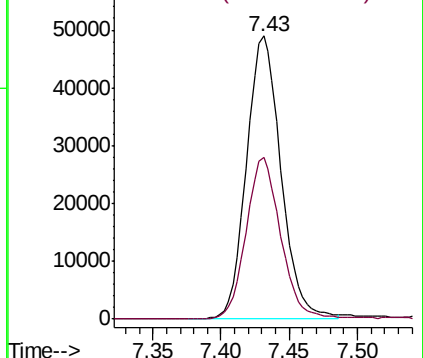
Ion Ratio Lower Upper

91 100

92 57.3 41.0 76.2



Abundance Ion 91.15 (90.85 to 91.85): VV0
Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.809 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV012826.D

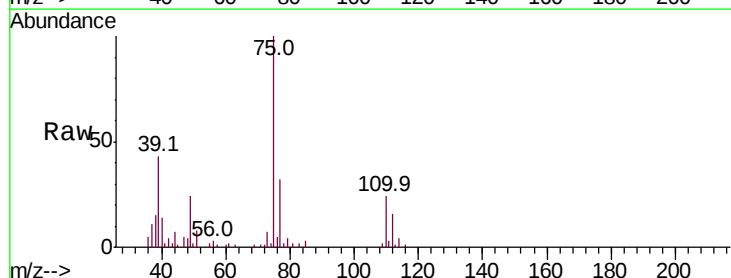
Acq: 16 Sep 2019 09:32

Tgt Ion: 75 Resp: 22711

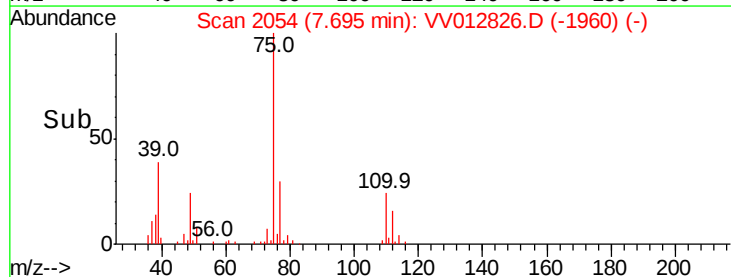
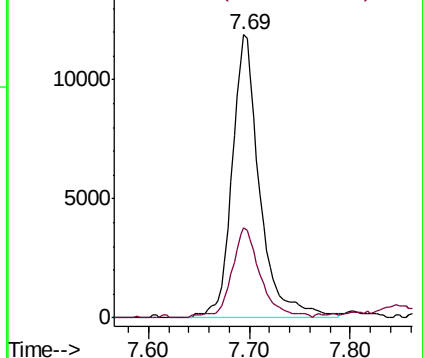
Ion Ratio Lower Upper

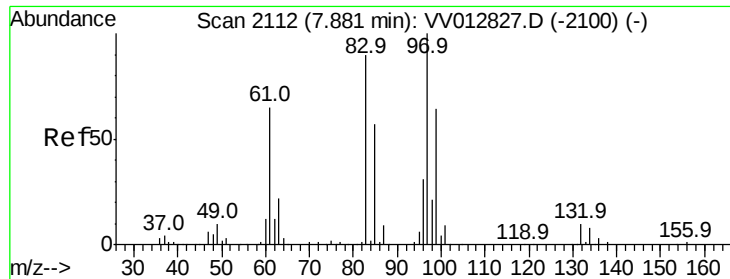
75 100

77 31.8 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VV0
Ion 77.05 (76.75 to 77.75): VV0





#45

1,1,2-Trichloroethane

Concen: 0.906 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VV012826.D

Acq: 16 Sep 2019 09:32

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 97 Resp: 17909

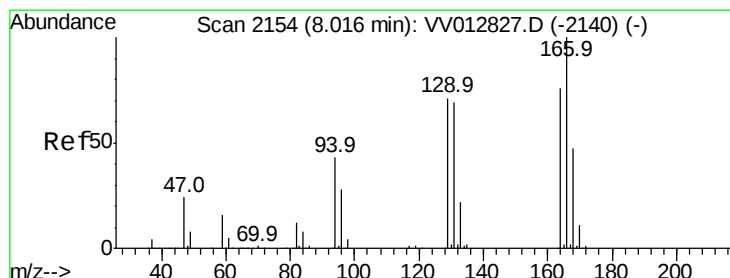
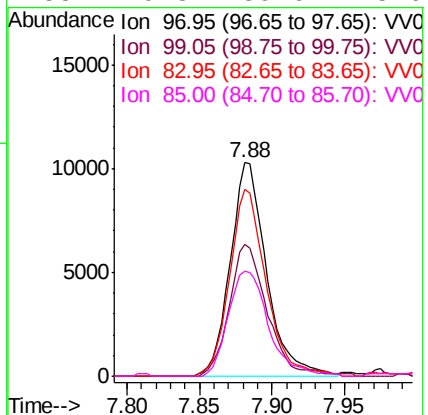
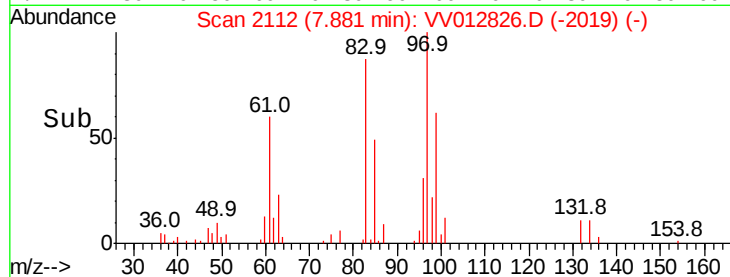
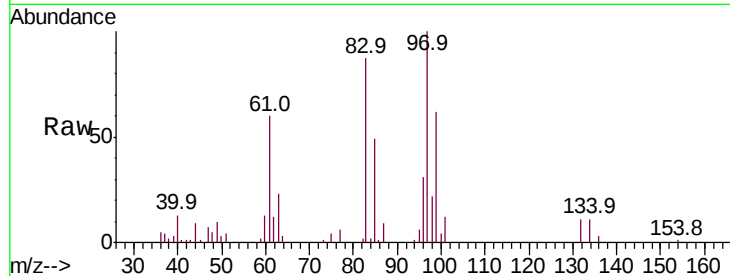
Ion	Ratio	Lower	Upper
97	100		
99	61.9	45.2	84.0
83	87.3	63.0	117.0
85	49.3	39.6	73.6

97 100

99 61.9 45.2 84.0

83 87.3 63.0 117.0

85 49.3 39.6 73.6



#47

Tetrachloroethene

Concen: 0.774 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV012826.D

Acq: 16 Sep 2019 09:32

Tgt Ion: 164 Resp: 18752

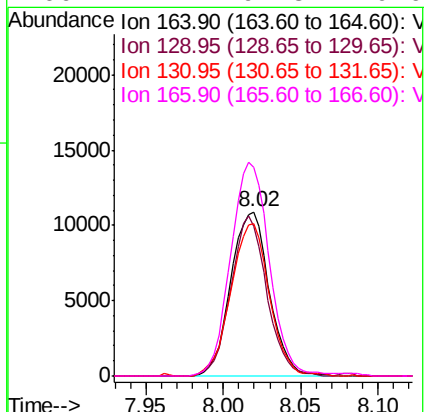
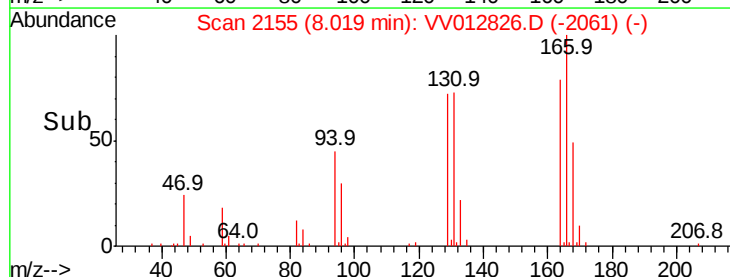
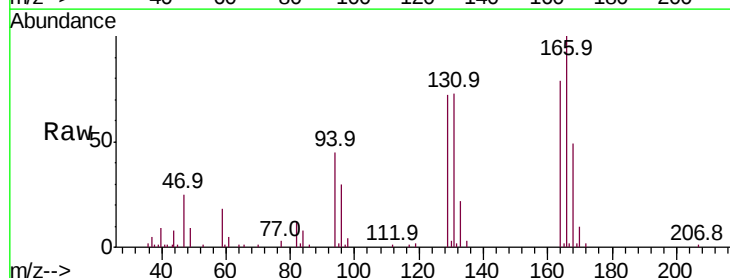
Ion	Ratio	Lower	Upper
164	100		
129	91.2	65.0	120.8
131	92.4	63.6	118.0
166	127.2	91.8	170.6

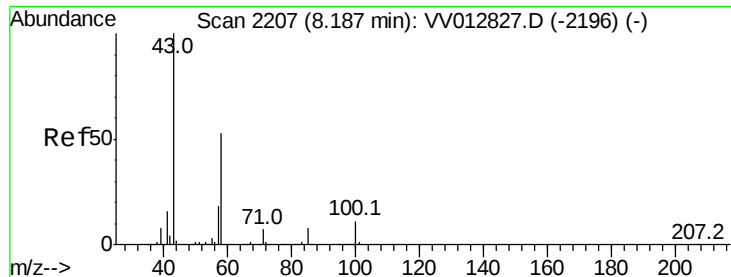
164 100

129 91.2 65.0 120.8

131 92.4 63.6 118.0

166 127.2 91.8 170.6

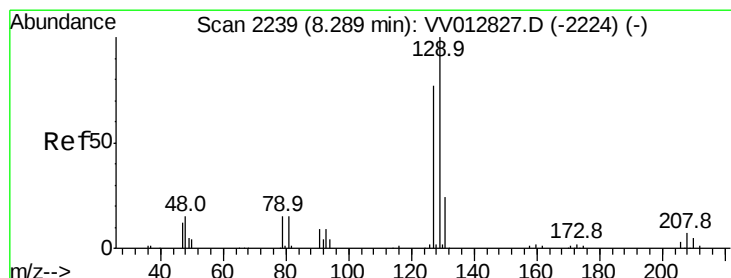
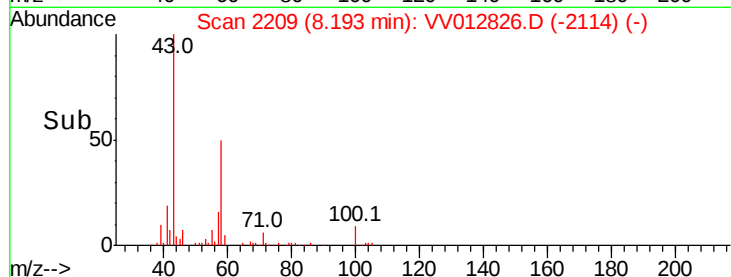
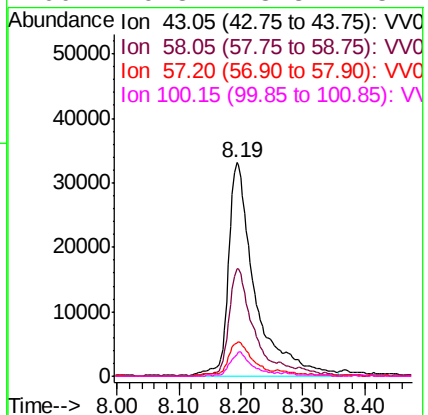
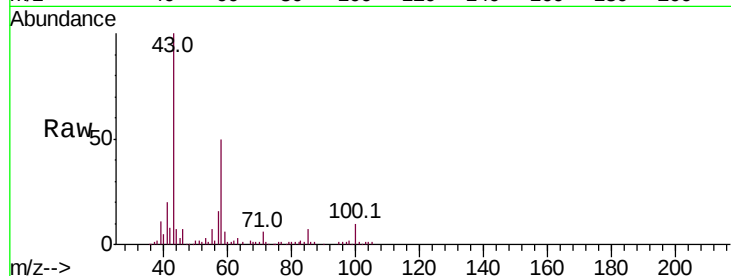




#48
2-Hexanone
Concen: 8.550 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VV012826.D
Acq: 16 Sep 2019 09:32

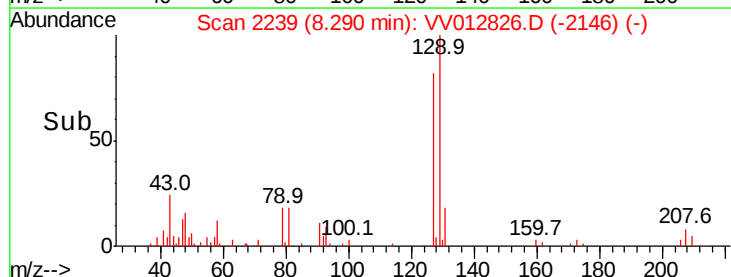
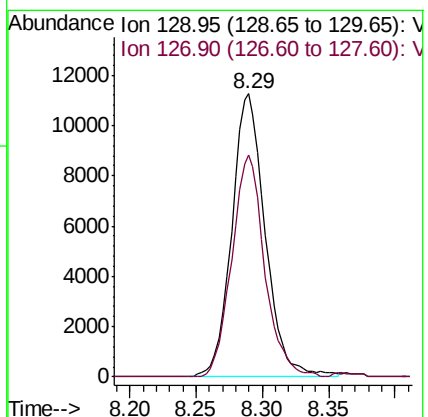
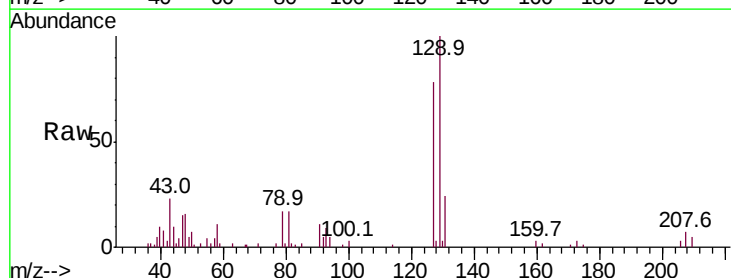
Instrument :
MSVOA_V
ClientSampleId :

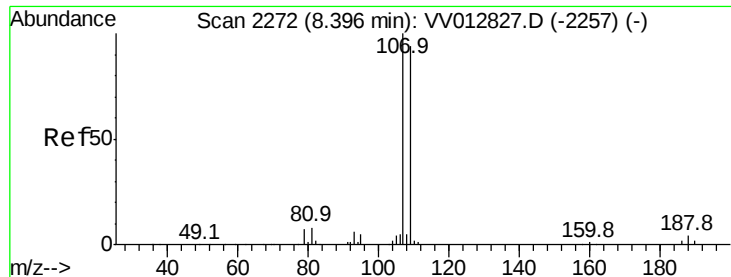
Tot Ion: 43 Resp: 97544
Ion Ratio Lower Upper
43 100
58 48.0 44.8 67.2
57 13.6 15.0 22.6#
100 9.8 8.8 13.2



#49
Dibromochloromethane
Concen: 0.838 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV012826.D
Acq: 16 Sep 2019 09:32

Tgt Ion: 129 Resp: 19700
Ion Ratio Lower Upper
129 100
127 78.2 53.9 100.1

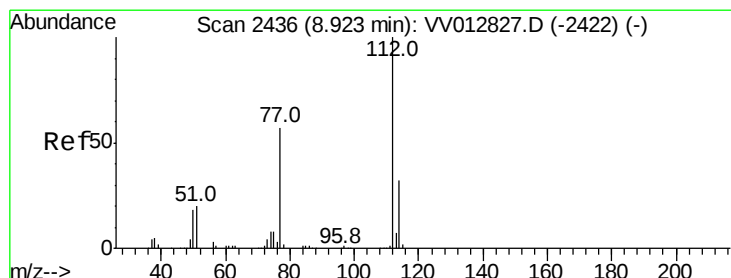
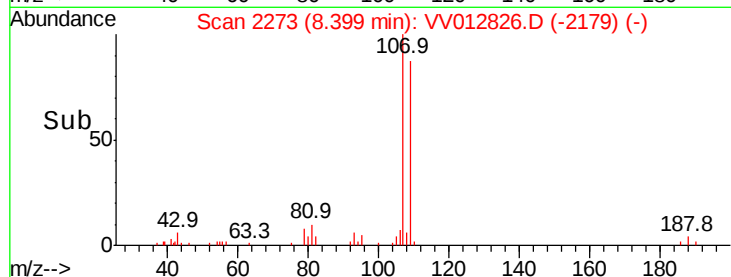
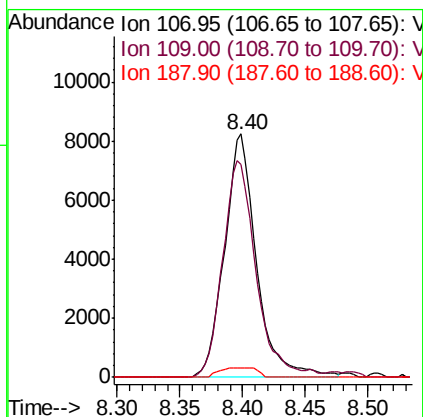
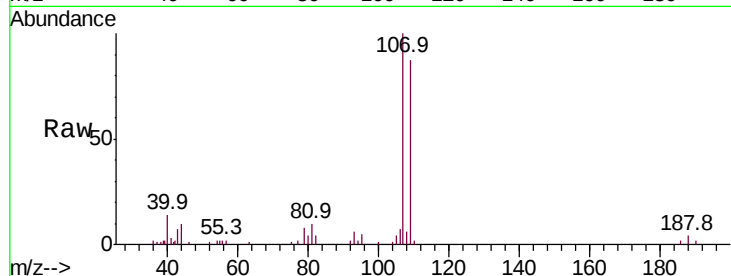




#50
 1,2-Dibromoethane
 Concen: 0.837 ug/L
 RT: 8.40 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VV012826.D
 Acq: 16 Sep 2019 09:32

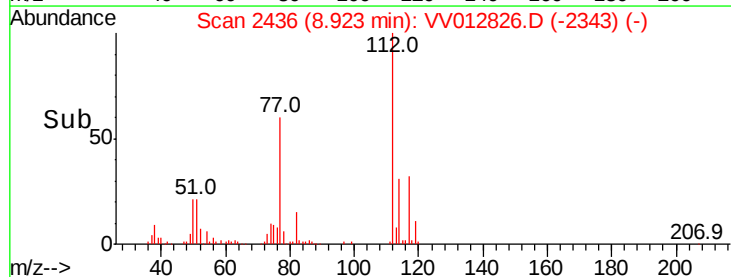
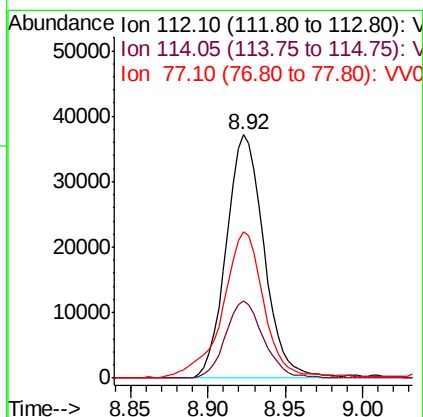
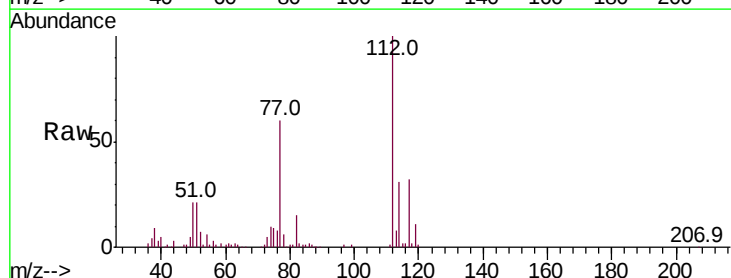
Instrument :
 MSVOA_V
 ClientSampled :

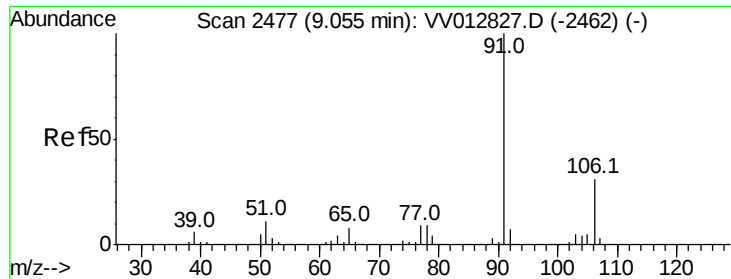
Tot Ion:107 Resp: 14554
 Ion Ratio Lower Upper
 107 100
 109 87.3 65.5 121.6
 188 3.7 3.0 4.4



#51
 Chlorobenzene
 Concen: 0.811 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. 0.00 min
 Lab File: VV012826.D
 Acq: 16 Sep 2019 09:32

Tgt Ion:112 Resp: 62758
 Ion Ratio Lower Upper
 112 100
 114 31.5 22.0 41.0
 77 60.2 45.7 68.5





#52

Ethylbenzene

Concen: 0.697 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV012826.D

Acq: 16 Sep 2019 09:32

Instrument :

MSVOA_V

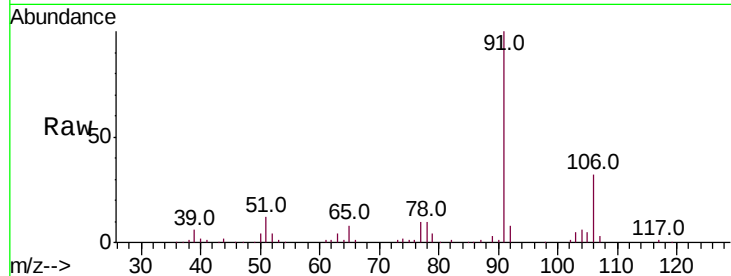
ClientSampled :

Tot Ion: 91 Resp: 87481

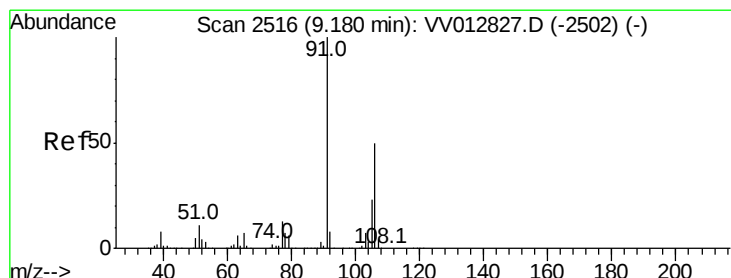
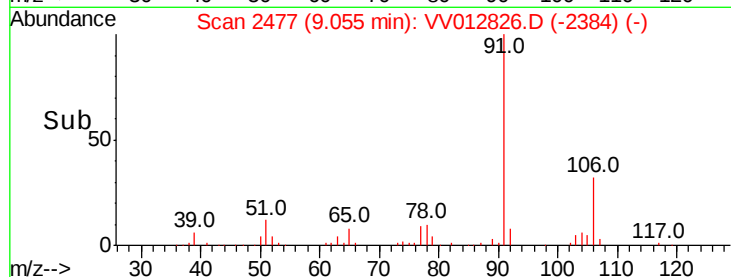
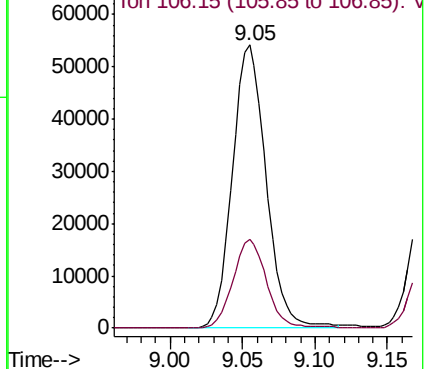
Ion Ratio Lower Upper

91 100

106 31.5 21.7 40.3



Abundance Ion 91.15 (90.85 to 91.85): VV012827.D (-2462) (-)



#53

m,p-xylene

Concen: 0.667 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV012826.D

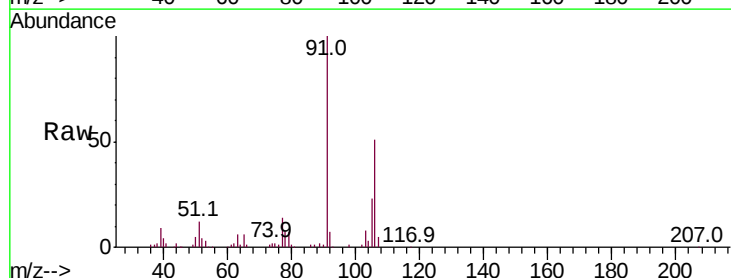
Acq: 16 Sep 2019 09:32

Tgt Ion: 106 Resp: 31554

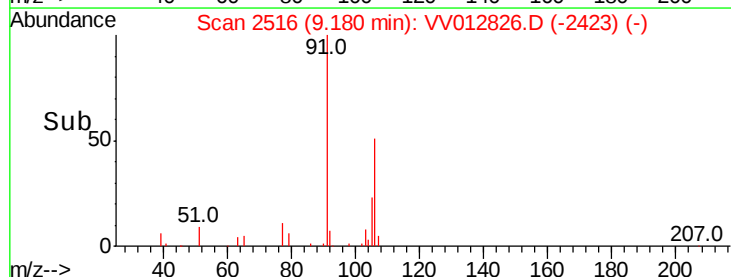
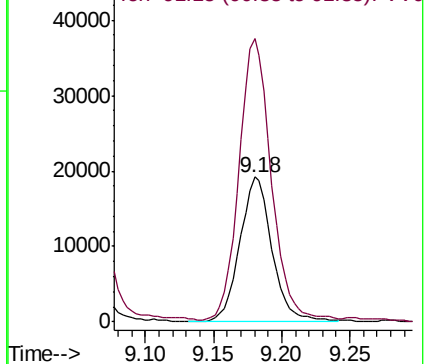
Ion Ratio Lower Upper

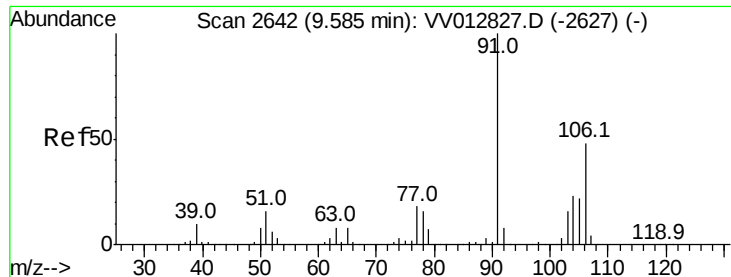
106 100

91 195.7 138.9 258.1



Abundance Ion 106.15 (105.85 to 106.85): VV012827.D (-2502) (-)





#54

o-xylene

Concen: 0.677 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV012826.D

Acq: 16 Sep 2019 09:32

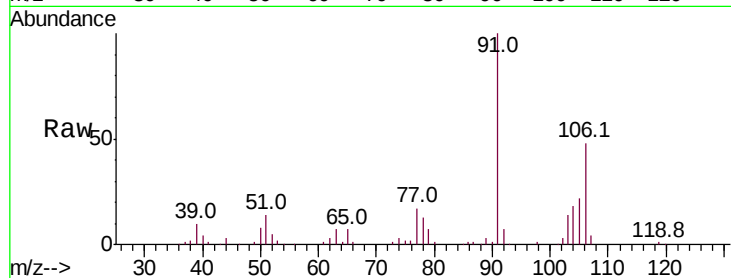
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 30759

Ion Ratio Lower Upper

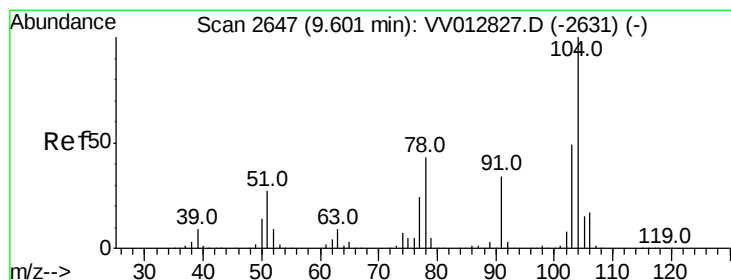
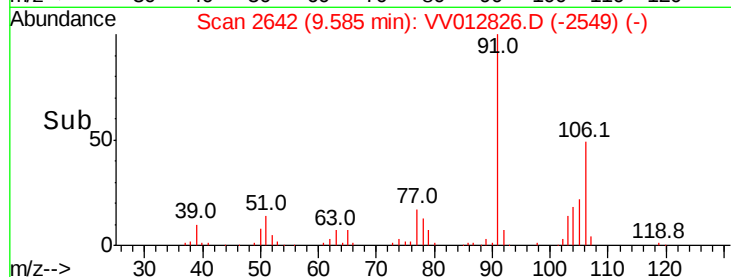
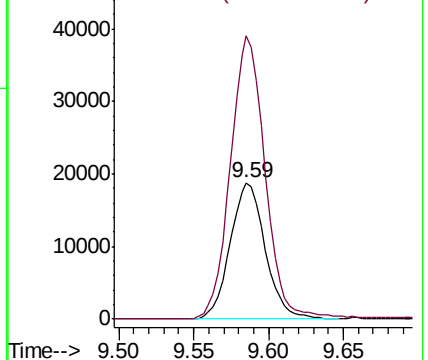
106 100

91 207.1 147.4 273.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.645 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV012826.D

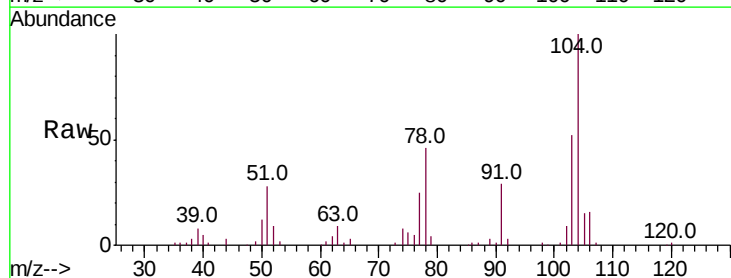
Acq: 16 Sep 2019 09:32

Tgt Ion:104 Resp: 49020

Ion Ratio Lower Upper

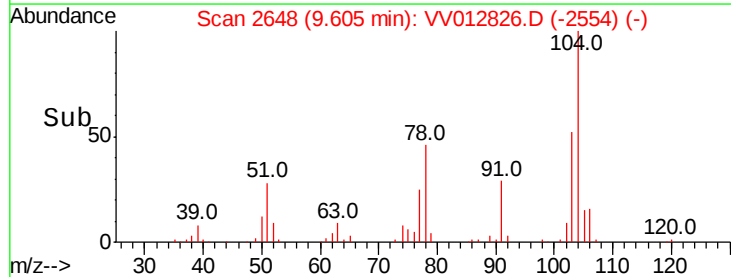
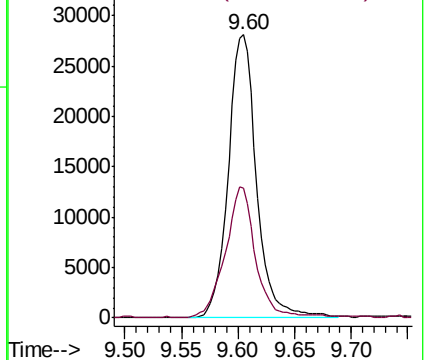
104 100

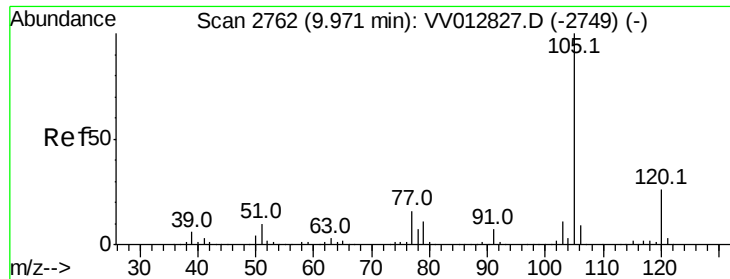
78 46.0 30.2 56.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 0.676 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV012826.D

Acq: 16 Sep 2019 09:32

Instrument :
MSVOA_V
ClientSampleId :

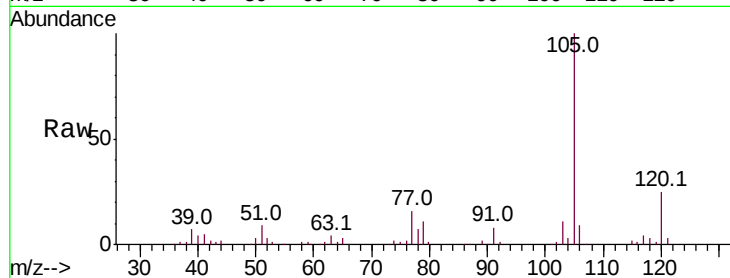
Tot Ion:105 Resp: 81573

Ion Ratio Lower Upper

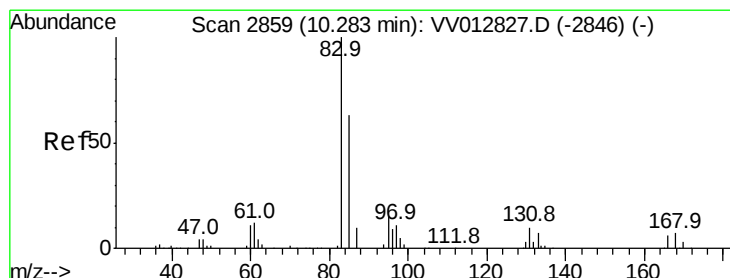
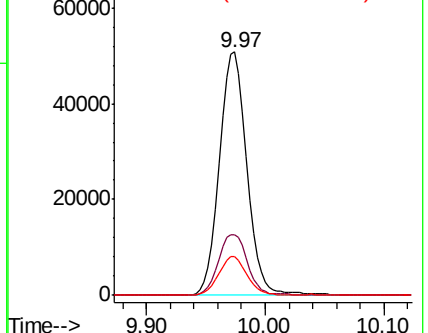
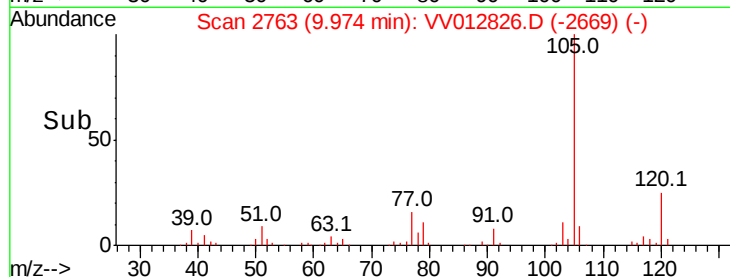
105 100

120 26.5 21.0 31.4

77 16.4 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: 0.836 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV012826.D

Acq: 16 Sep 2019 09:32

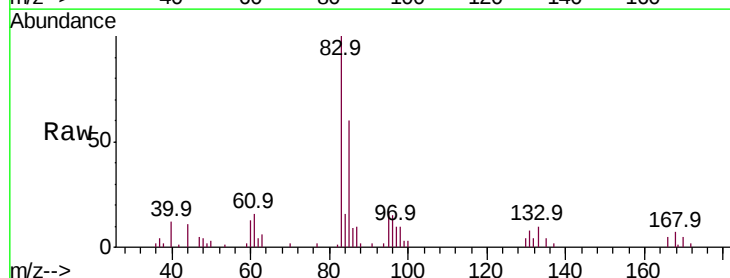
Tgt Ion: 83 Resp: 16320

Ion Ratio Lower Upper

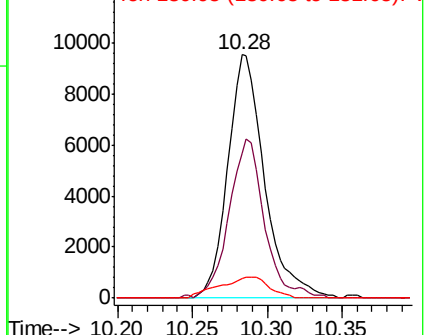
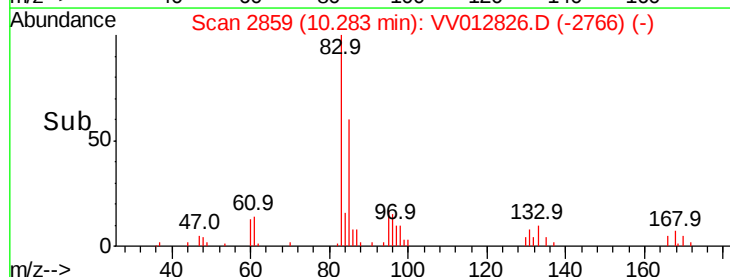
83 100

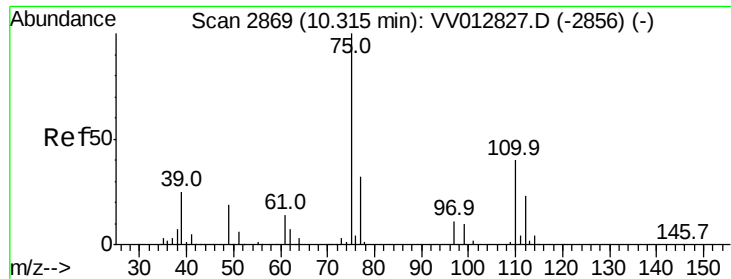
85 59.6 44.1 81.9

131 7.8 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: 0.900 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV012826.D

Acq: 16 Sep 2019 09:32

Instrument :

MSVOA_V

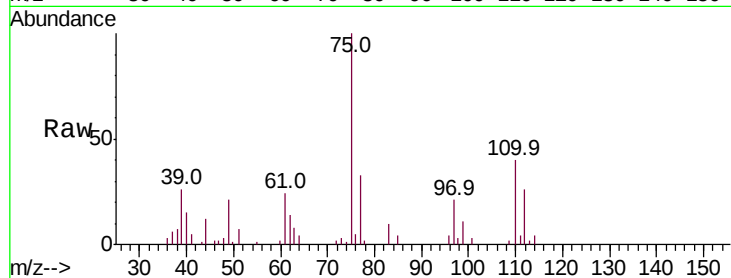
ClientSampled :

Tot Ion: 75 Resp: 15100

Ion Ratio Lower Upper

75 100

77 32.9 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

8000

6000

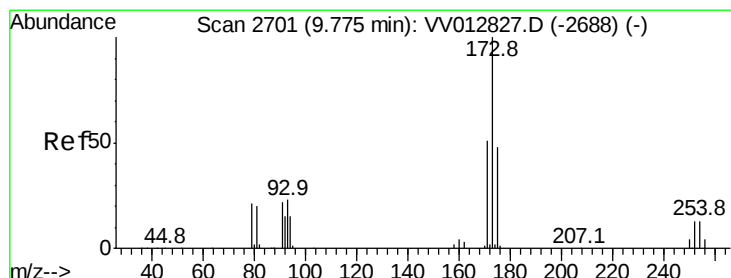
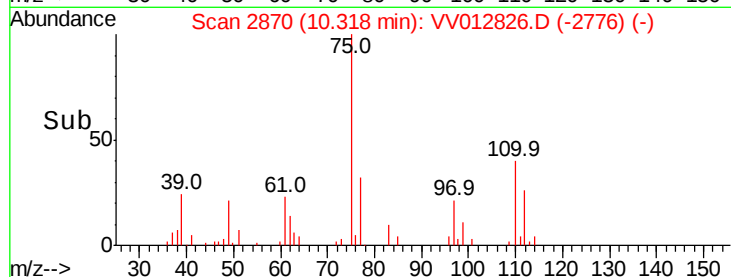
4000

2000

0

10.25 10.30 10.35 10.40

Time-->



#61

Bromoform

Concen: 0.885 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV012826.D

Acq: 16 Sep 2019 09:32

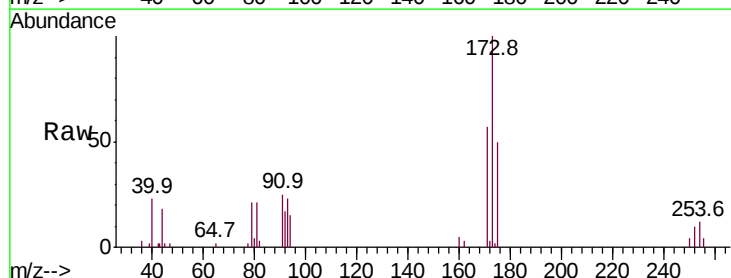
Tgt Ion: 173 Resp: 9982

Ion Ratio Lower Upper

173 100

175 53.2 39.4 59.0

254 10.6 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

6000

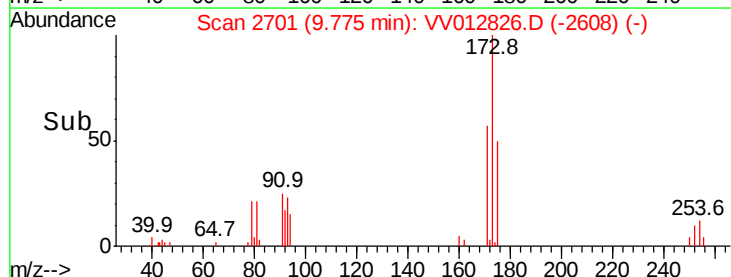
4000

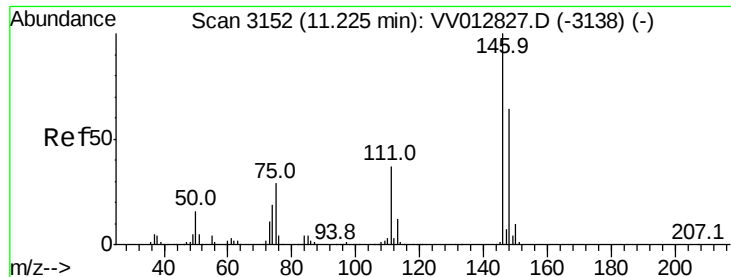
2000

0

9.75 9.80

Time-->





#62

1,3-Dichlorobenzene

Concen: 0.838 ug/L

RT: 11.23 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV012826.D

Acq: 16 Sep 2019 09:32

Instrument :

MSVOA_V

ClientSampleId :

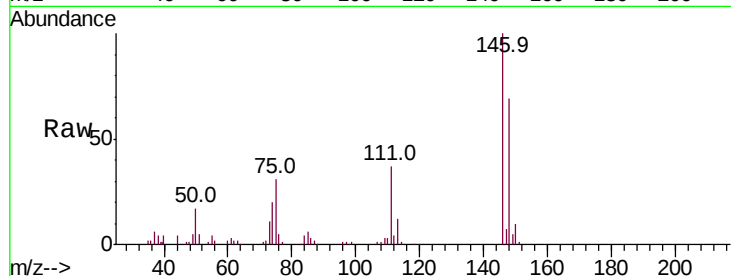
Tot Ion:146 Resp: 43942

Ion Ratio Lower Upper

146 100

111 37.2 26.0 48.4

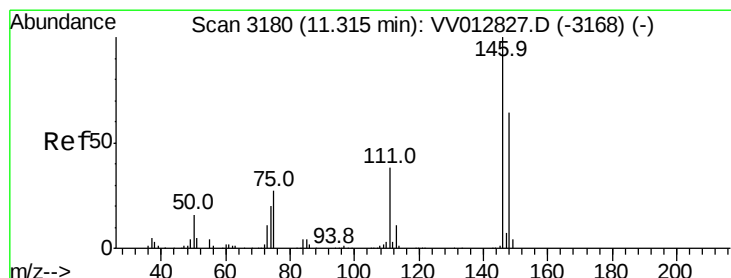
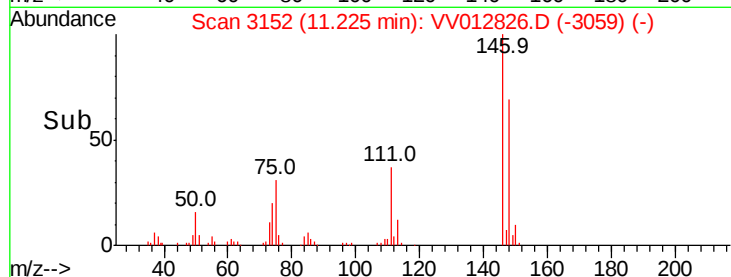
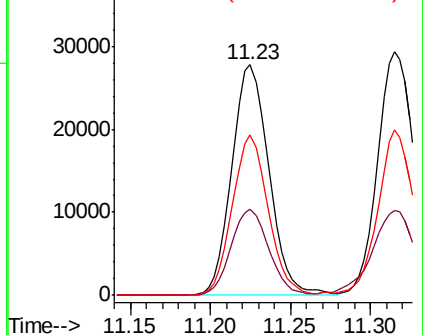
148 69.3 45.0 83.6



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: 0.911 ug/L

RT: 11.32 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV012826.D

Acq: 16 Sep 2019 09:32

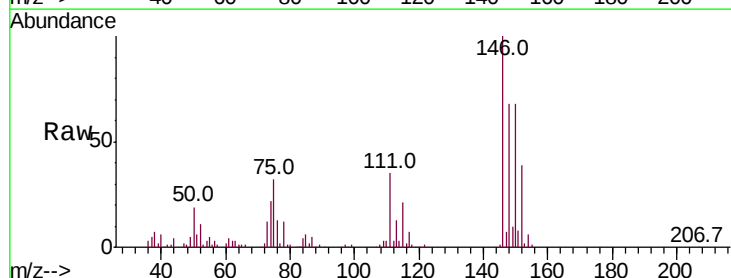
Tgt Ion:146 Resp: 48266

Ion Ratio Lower Upper

146 100

111 35.0 26.6 49.4

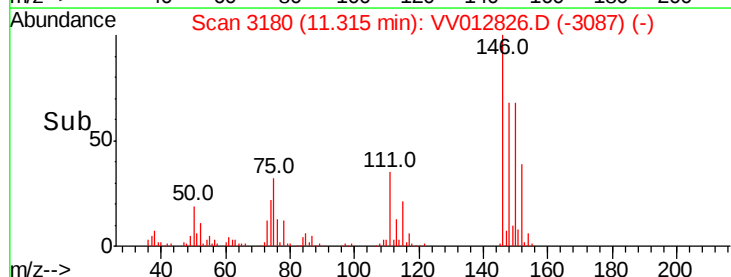
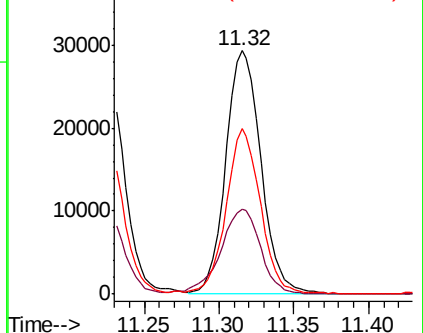
148 68.1 45.0 83.6

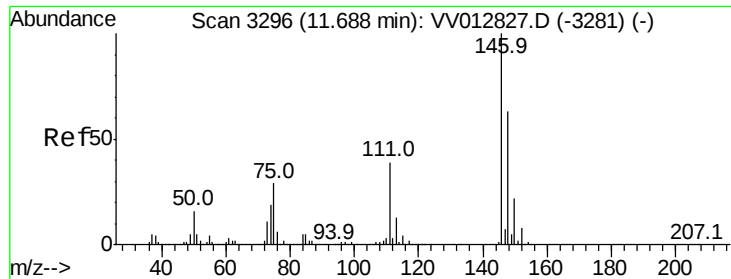


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.894 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. 0.00 min

Lab File: VV012826.D

Acq: 16 Sep 2019 09:32

Instrument :

MSVOA_V

ClientSampled :

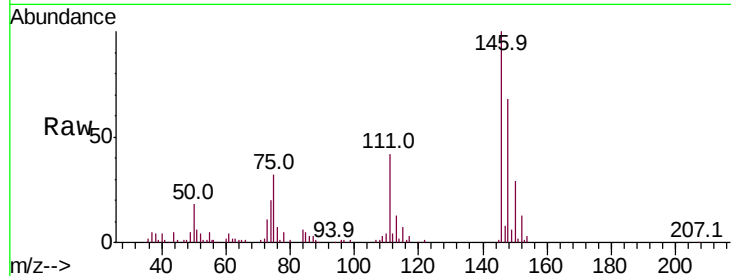
Tot Ion:146 Resp: 44358

Ion Ratio Lower Upper

146 100

111 41.7 31.4 47.2

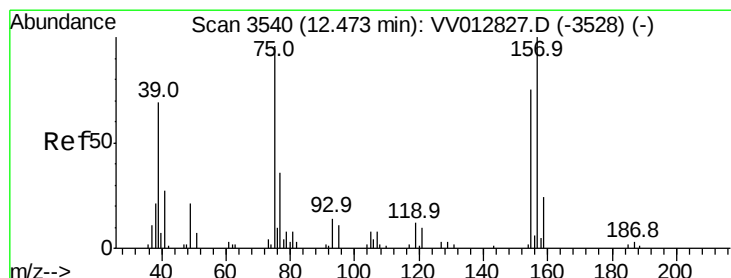
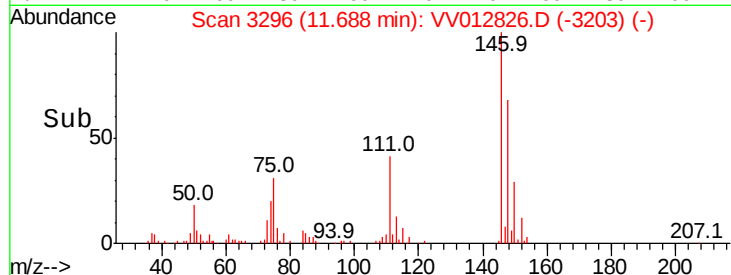
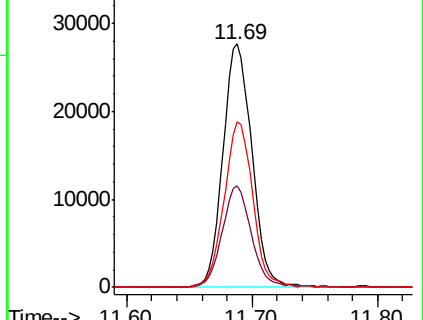
148 68.2 50.6 75.8



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: 0.876 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. 0.00 min

Lab File: VV012826.D

Acq: 16 Sep 2019 09:32

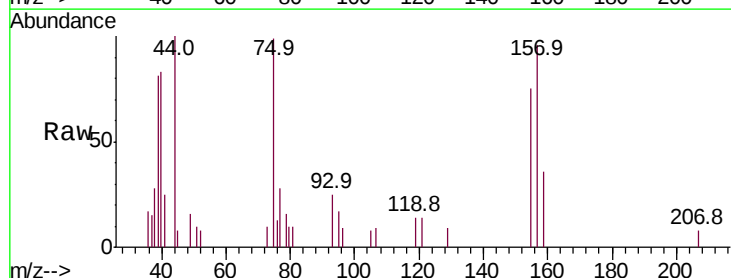
Tgt Ion: 75 Resp: 2217

Ion Ratio Lower Upper

75 100

155 75.8 63.0 94.4

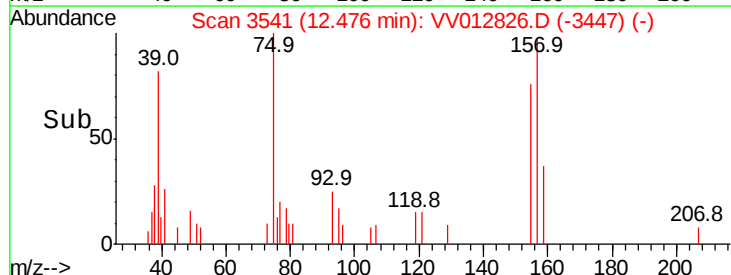
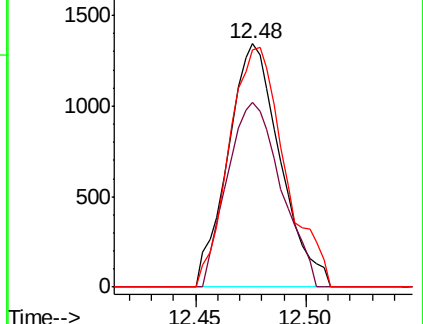
157 97.2 83.7 125.5

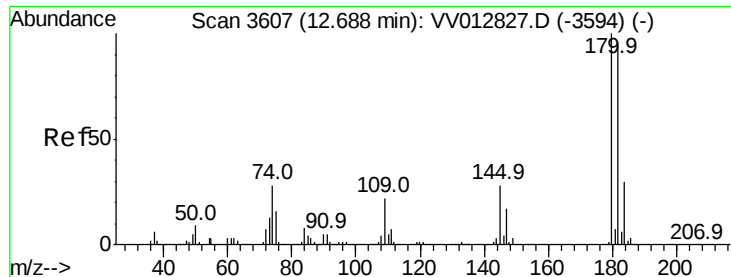


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

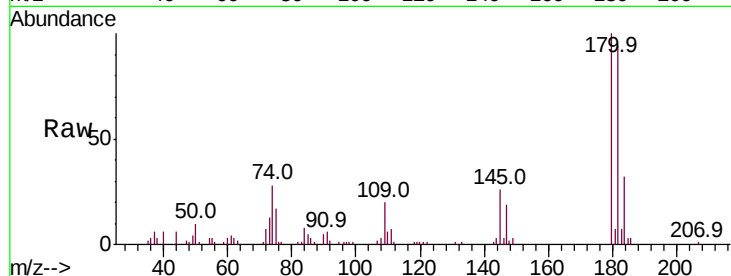




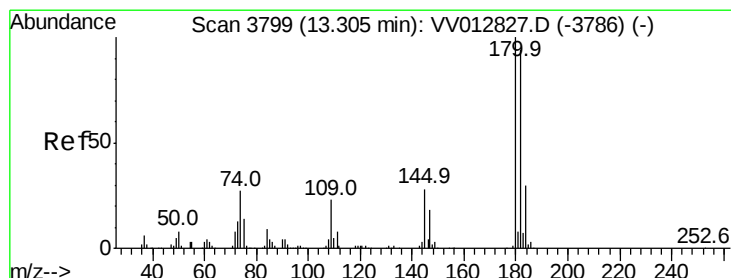
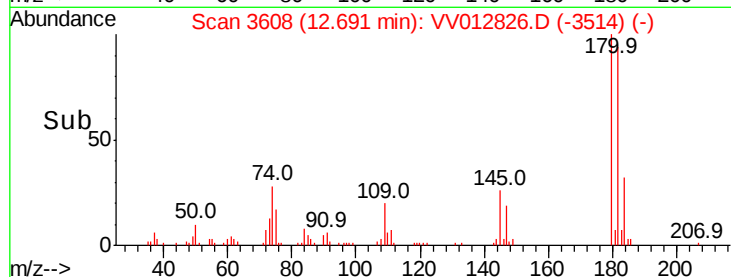
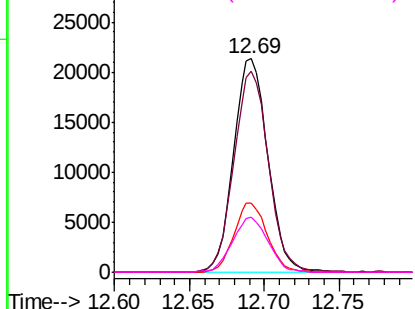
#67
 1,3,5-Trichlorobenzene
 Concen: 0.859 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV012826.D
 Acq: 16 Sep 2019 09:32

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 34074
 Ion Ratio Lower Upper
 180 100
 182 95.1 76.7 115.1
 184 31.6 24.4 36.6
 145 26.8 22.3 33.5

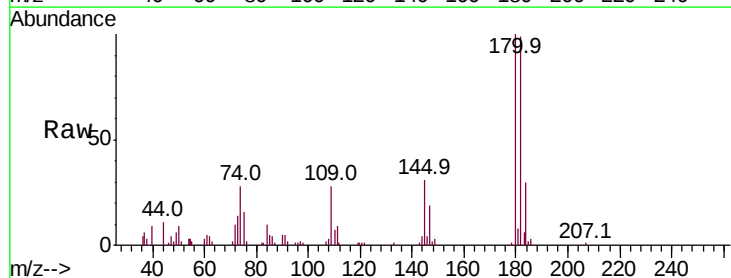


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

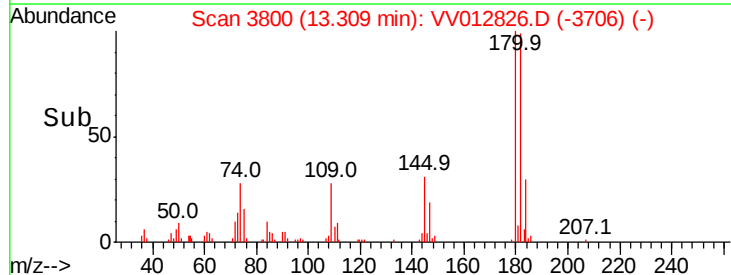
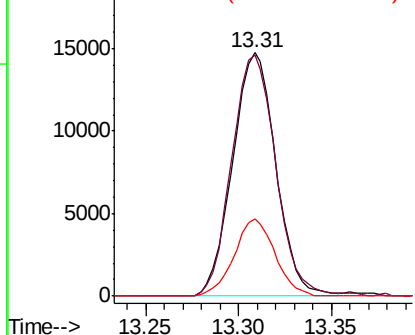


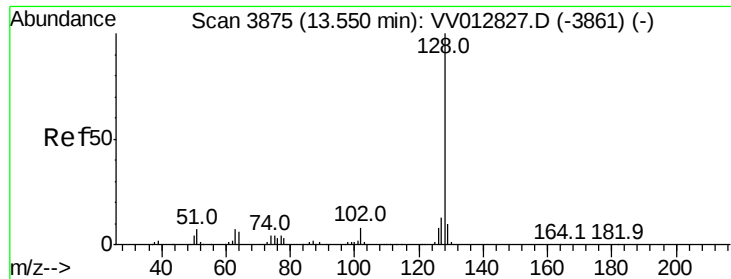
#68
 1,2,4-trichlorobenzene
 Concen: 0.762 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV012826.D
 Acq: 16 Sep 2019 09:32

Tgt Ion:180 Resp: 23862
 Ion Ratio Lower Upper
 180 100
 182 101.3 76.2 114.4
 145 29.9 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: 0.662 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV012826.D

Acq: 16 Sep 2019 09:32

Instrument :

MSVOA_V

ClientSampleId :

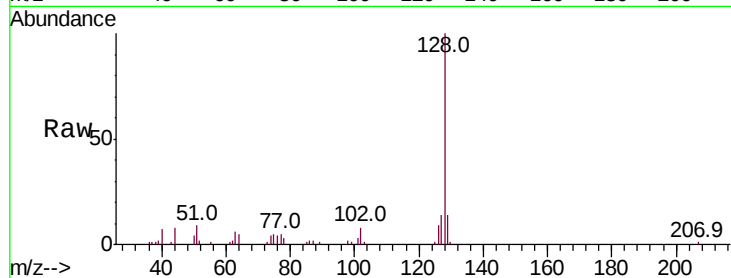
Tot Ion:128 Resp: 30950

Ion Ratio Lower Upper

128 100

129 12.2 8.3 12.5

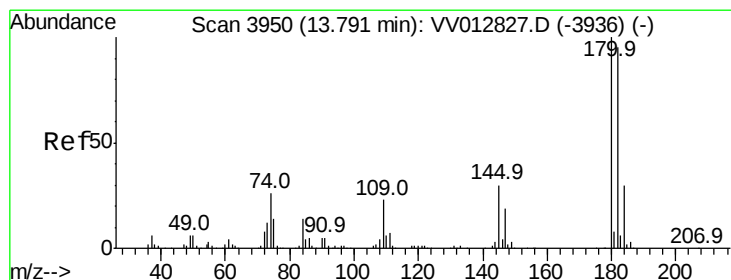
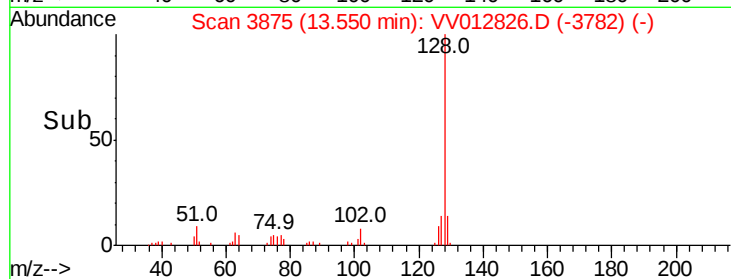
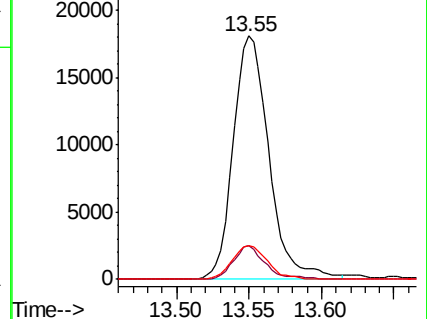
127 13.7 10.5 15.7



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: 0.791 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV012826.D

Acq: 16 Sep 2019 09:32

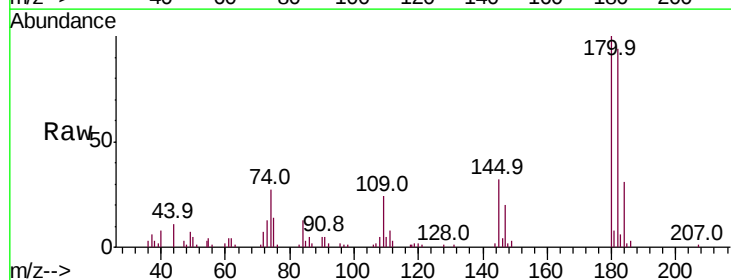
Tgt Ion:180 Resp: 23421

Ion Ratio Lower Upper

180 100

182 96.6 76.2 114.4

145 32.2 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

