

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV110119\
 Data File : VV013461.D
 Acq On : 01 Nov 2019 10:44
 Operator : SY/MD
 Sample : VSTD00563
 Misc : 5.00G/10.0ML/MSVOA V/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 02 03:16:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM110119S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Nov 02 03:13:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	660602	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	632337	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	338948	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	46737	4.63	ug/L	0.00
7) Chloroethane-d5	1.57	69	31830	3.97	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	82874	4.93	ug/L	0.00
20) 2-Butanone-d5	3.80	46	201	0.06	ug/L	-0.14
24) Chloroform-d	4.40	84	93137	5.10	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	52852	5.00	ug/L	0.00
29) Benzene-d6	5.09	84	186967	5.24	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.11	67	56396	5.04	ug/L	0.00
37) Toluene-d8	7.36	98	164041	5.10	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.66	79	23524	5.00	ug/L	0.00
39) 2-Hexanone-d5	8.13	63	19033	8.56	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	51252	4.95	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	65257	4.94	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	60013	8.072	ug/L 100
3) Chloromethane	1.25	50	54936	5.829	ug/L 96
5) Vinyl chloride	1.32	62	54158	5.833	ug/L 91
6) Bromomethane	1.53	94	21071	3.762	ug/L 96
8) Chloroethane	1.59	64	30066	5.409	ug/L 98
9) Trichlorofluoromethane	1.76	101	76487	6.065	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	45036	5.606	ug/L 99
12) 1,1-Dichloroethene	2.14	96	42072	5.659	ug/L 98
13) Acetone	2.19	43	73142	19.972	ug/L 98
14) Carbon disulfide	2.31	76	156149	6.288	ug/L 98
15) Methyl Acetate	2.46	43	39067	6.517	ug/L 100
16) Methylene chloride	2.53	84	66705	6.648	ug/L 97
17) Methyl tert-butyl Ether	2.80	73	129617	5.817	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	53810	5.936	ug/L 95
19) 1,1-Dichloroethane	3.23	63	98233	5.939	ug/L 96
21) 2-Butanone	4.03	43	56313	12.976	ug/L 94
22) cis-1,2-Dichloroethene	3.96	96	55197	5.620	ug/L 92
23) Bromochloromethane	4.29	128	26611	5.510	ug/L 92
25) Chloroform	4.42	83	103665	6.018	ug/L 98
27) 1,2-Dichloroethane	5.18	62	70308	5.798	ug/L 99
30) Cyclohexane	4.72	56	84565	5.980	ug/L 99
31) 1,1,1-Trichloroethane	4.65	97	83429	6.388	ug/L 99
32) Carbon tetrachloride	4.87	117	75095	6.344	ug/L 98
34) Benzene	5.14	78	210569	5.855	ug/L 100
35) Trichloroethene	5.96	95	59205	5.936	ug/L 98
36) Methylcyclohexane	6.17	83	87470	5.681	ug/L 98
40) 1,2-Dichloropropane	6.22	63	54147	5.817	ug/L 99
41) Bromodichloromethane	6.55	83	68544	5.758	ug/L 93
42) cis-1,3-Dichloropropene	7.07	75	74923	5.517	ug/L 97
43) 4-Methyl-2-pentanone	7.27	43	95223	12.368	ug/L 97

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 Misc : 5.00G/10.0ML/MSVOA V/SOIL
 ALS Vial : 4 Sample Multiplier: 1

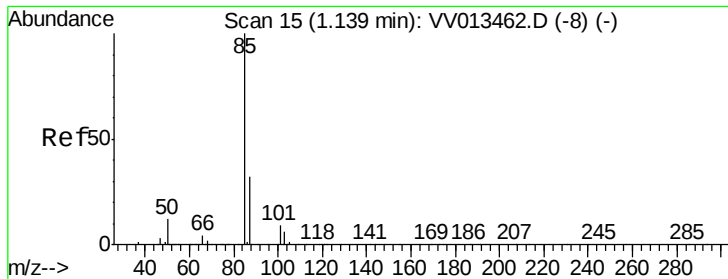
Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 02 03:16:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM110119S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Nov 02 03:13:10 2019
 Response via : Initial Calibration

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

44) Toluene	7.43	91	213956	5.686	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	62889	5.442	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	42379	5.454	ug/L	96
47) Tetrachloroethene	8.02	164	50764	6.186	ug/L	96
49) 2-Hexanone	8.18	43	67906	11.881	ug/L	95
50) Dibromochloromethane	8.29	129	50421	5.585	ug/L	94
51) 1,2-Dibromoethane	8.39	107	44300	5.770	ug/L	97
52) Chlorobenzene	8.92	112	149131	5.739	ug/L	99
53) Ethylbenzene	9.05	91	228679	5.479	ug/L	100
54) m,p-Xylene	9.18	106	84223	5.330	ug/L	97
55) o-xylene	9.58	106	79924	5.353	ug/L	97
56) Styrene	9.60	104	134630	5.133	ug/L	95
57) Isopropylbenzene	9.97	105	213086	5.356	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	53289	5.554	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	46345	5.826	ug/L	100
62) Bromoform	9.77	173	32355	5.507	ug/L	97
63) 1,3-Dichlorobenzene	11.22	146	120978	5.717	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	125366	5.682	ug/L	97
65) 1,2-Dichlorobenzene	11.68	146	109996	5.486	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	9824	5.611	ug/L	91
67) 1,3,5-Trichlorobenzene	12.69	180	87284	5.240	ug/L	96
68) 1,2,4-trichlorobenzene	13.31	180	75491	5.266	ug/L	97
69) Naphthalene	13.55	128	129070	4.545	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	70550	5.117	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 8.072 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV013461.D

Acq: 01 Nov 2019 10:44

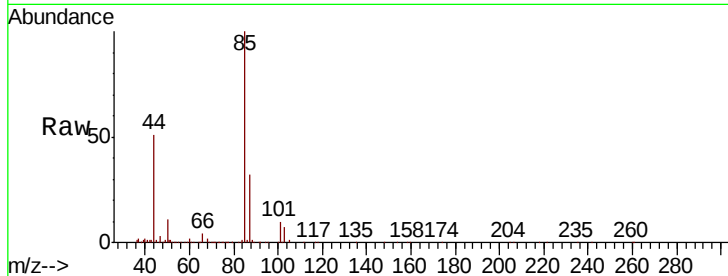
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 60013

Ion Ratio Lower Upper

85 100

87 31.7 22.2 41.2



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

60000

50000

40000

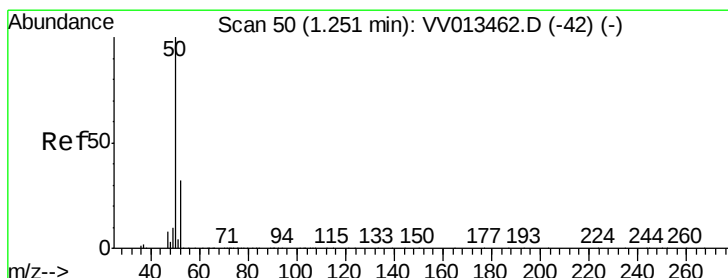
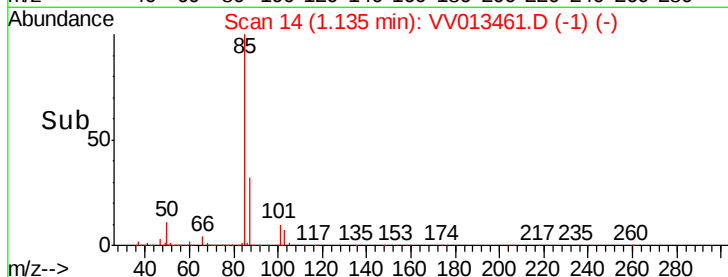
30000

20000

10000

0

Time-->



#3

Chloromethane

Concen: 5.829 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV013461.D

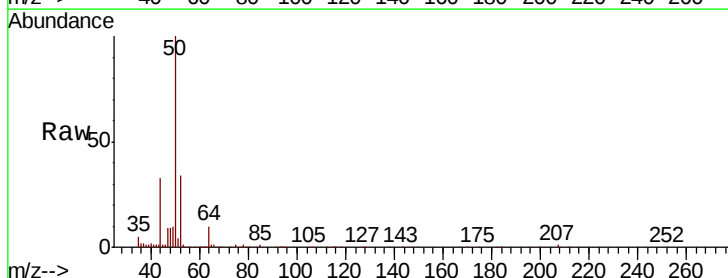
Acq: 01 Nov 2019 10:44

Tgt Ion: 50 Resp: 54936

Ion Ratio Lower Upper

50 100

52 34.2 22.2 41.2



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

1.25

50000

40000

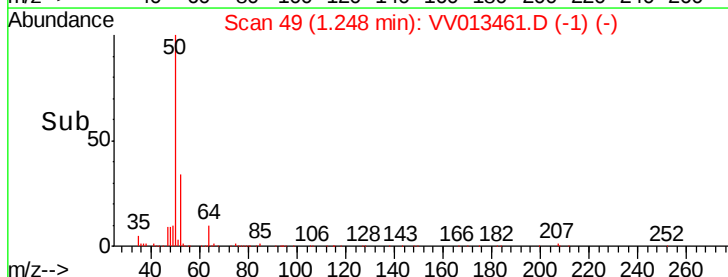
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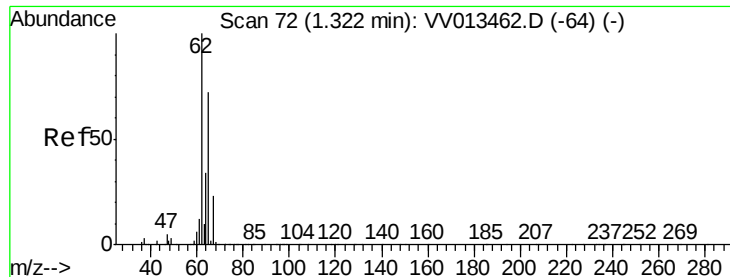
20000

10000

0

Time-->





#5

Vinyl chloride

Concen: 5.833 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV013461.D

Acq: 01 Nov 2019 10:44

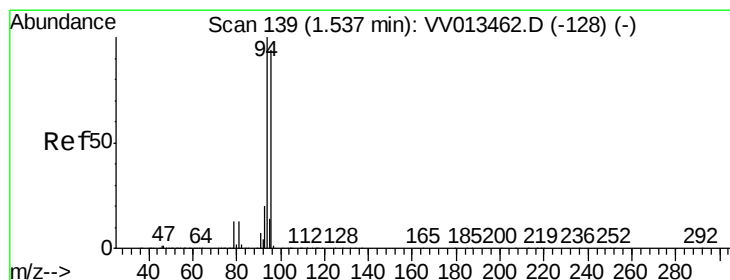
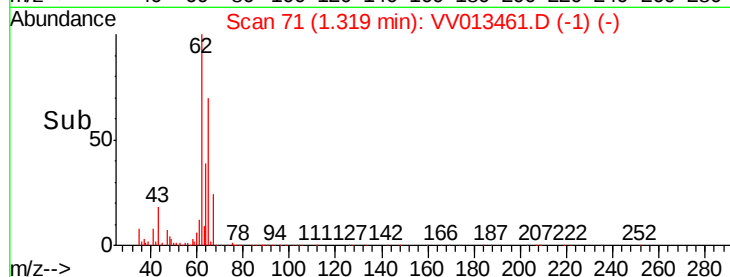
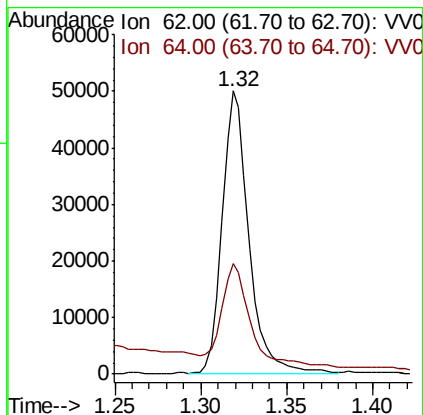
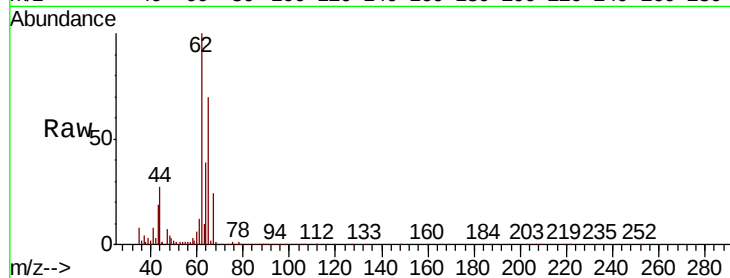
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 54158

Ion Ratio Lower Upper

62 100

64 38.9 23.8 44.2



#6

Bromomethane

Concen: 3.762 ug/L

RT: 1.53 min Scan# 136

Delta R.T. -0.01 min

Lab File: VV013461.D

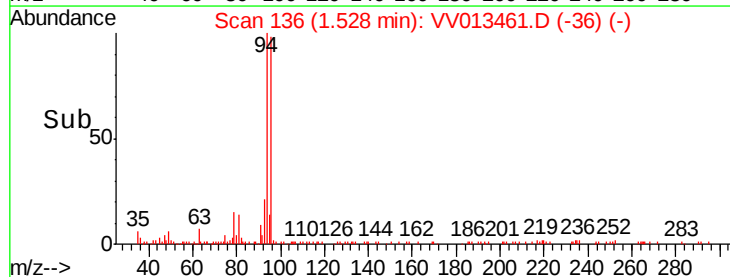
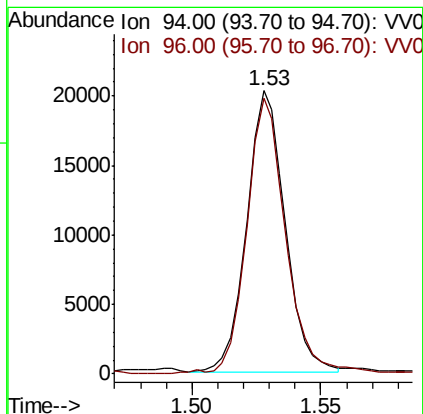
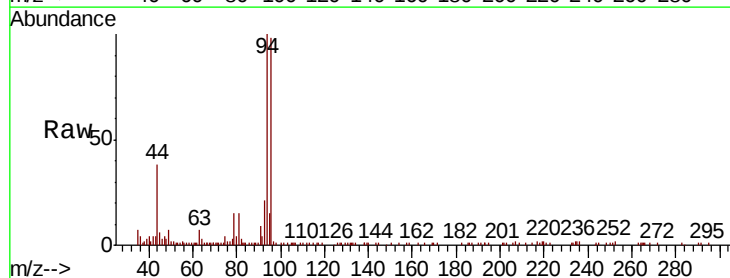
Acq: 01 Nov 2019 10:44

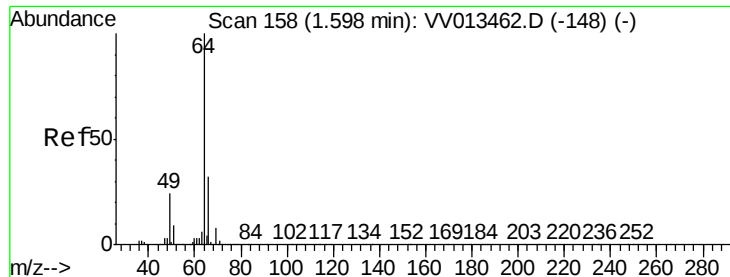
Tgt Ion: 94 Resp: 21071

Ion Ratio Lower Upper

94 100

96 97.8 9.4 177.8





#8

Chloroethane

Concen: 5.409 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.01 min

Lab File: VV013461.D

Acq: 01 Nov 2019 10:44

Instrument :

MSVOA_V

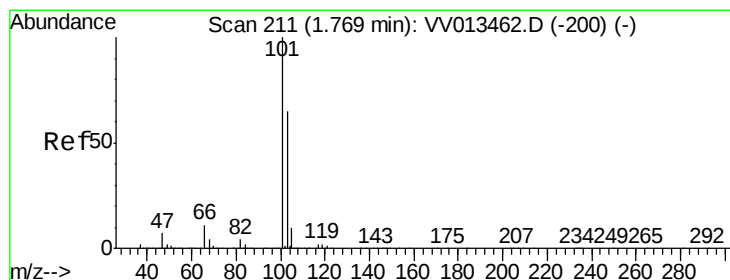
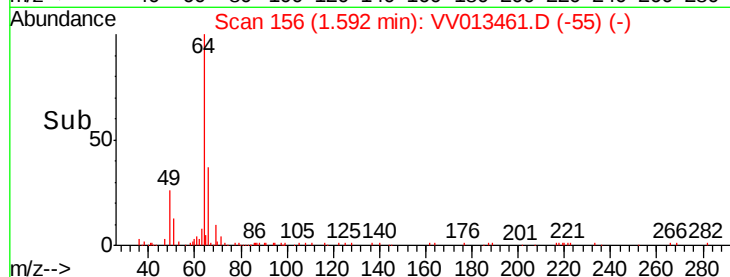
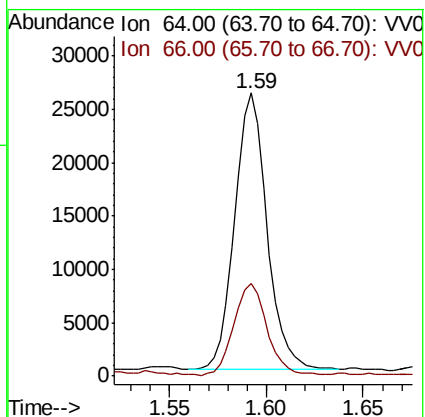
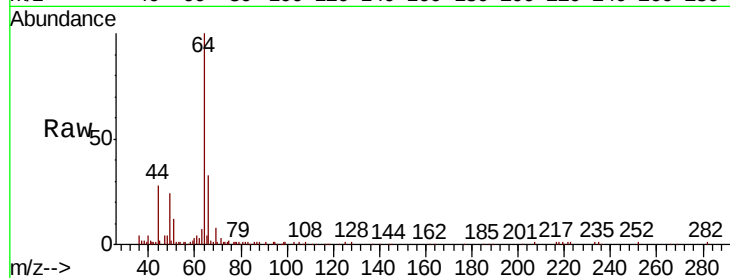
ClientSampleId :

Tot Ion: 64 Resp: 30066

Ion Ratio Lower Upper

64 100

66 32.8 22.3 41.3



#9

Trichlorofluoromethane

Concen: 6.065 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.01 min

Lab File: VV013461.D

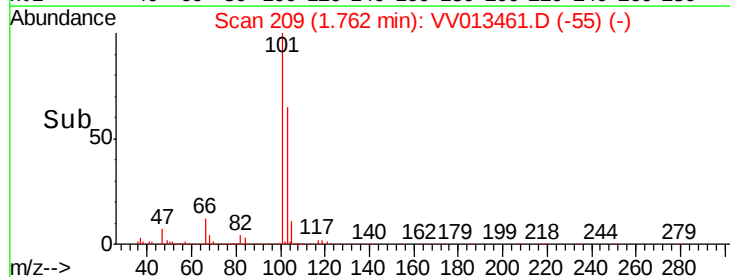
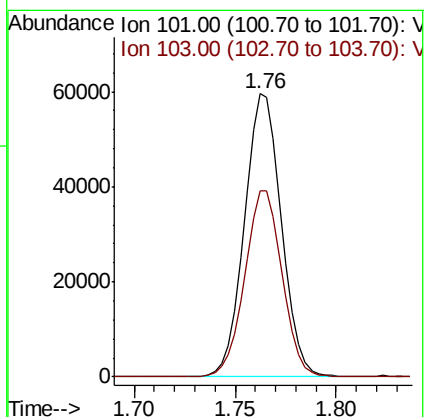
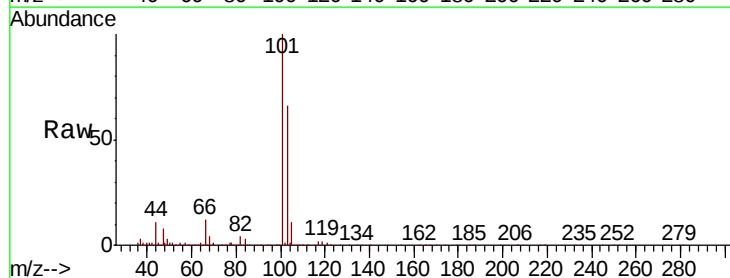
Acq: 01 Nov 2019 10:44

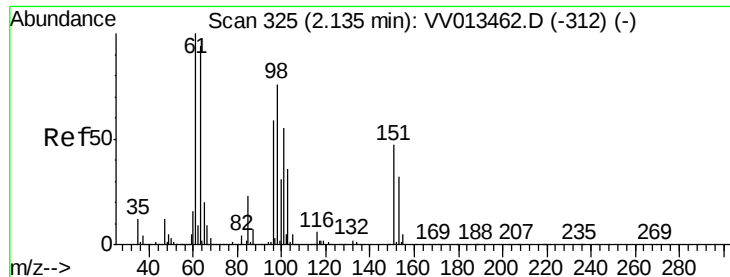
Tgt Ion: 101 Resp: 76487

Ion Ratio Lower Upper

101 100

103 66.2 45.1 83.9





#11

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

Concen: 5.606 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV013461.D

Acq: 01 Nov 2019 10:44

Instrument :

MSVOA_V

ClientSampleId :

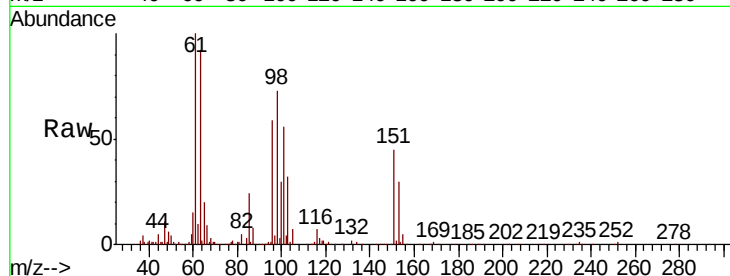
Tot Ion:101 Resp: 45036

Ion Ratio Lower Upper

101 100

85 42.2 33.1 49.7

151 86.4 68.3 102.5

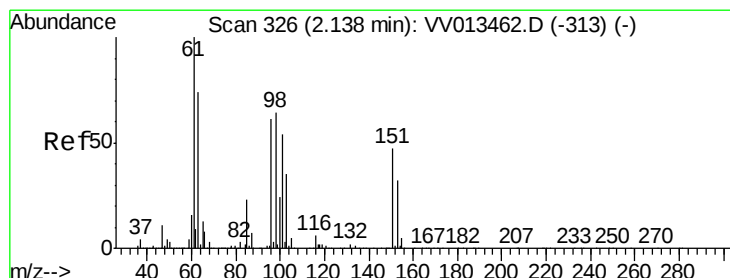
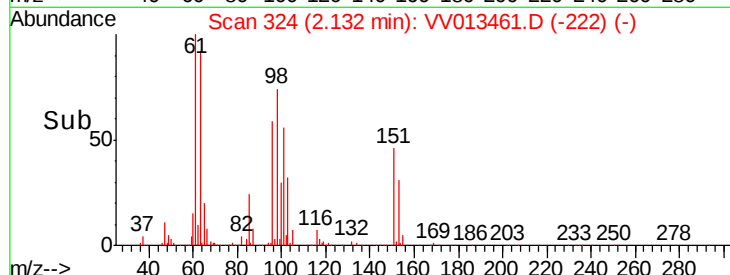
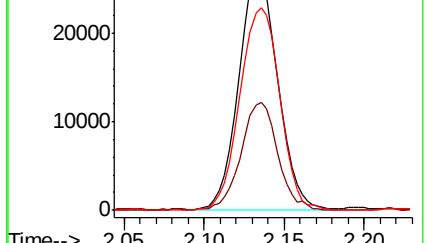


Abundance Ion 101.00 (100.70 to 101.70): VV013461.D (-222) (-)

Ion 85.00 (84.70 to 85.70): VV013461.D (-222) (-)

Ion 151.00 (150.70 to 151.70): VV013461.D (-222) (-)

Time-->



#12

1,1-Dichloroethene

Concen: 5.659 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV013461.D

Acq: 01 Nov 2019 10:44

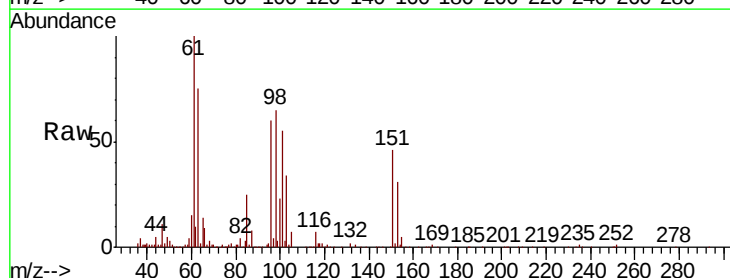
Tgt Ion: 96 Resp: 42072

Ion Ratio Lower Upper

96 100

61 165.7 114.7 212.9

63 123.8 84.7 157.3

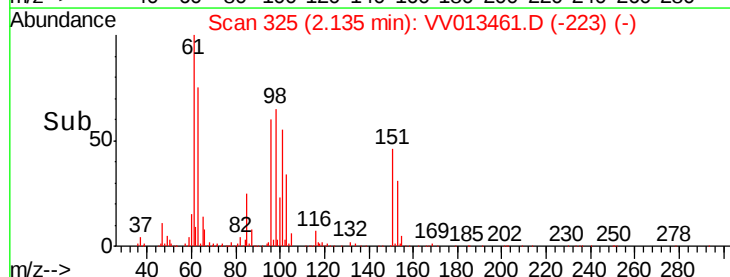
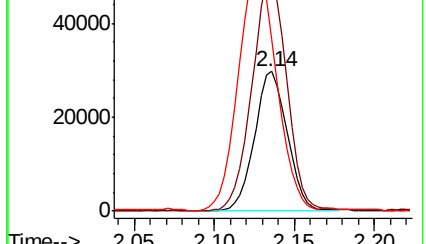


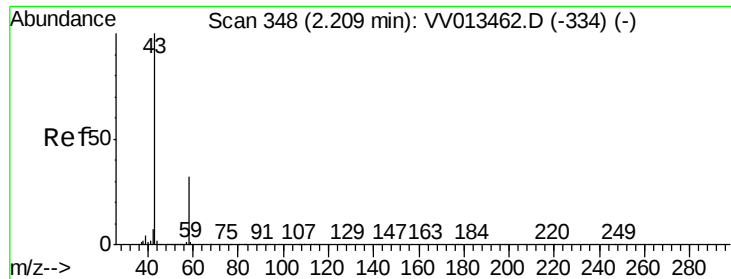
Abundance Ion 96.00 (95.70 to 96.70): VV013461.D (-223) (-)

Ion 61.00 (60.70 to 61.70): VV013461.D (-223) (-)

Ion 63.00 (62.70 to 63.70): VV013461.D (-223) (-)

Time-->





#13

Acetone

Concen: 19.972 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.02 min

Lab File: VV013461.D

Acq: 01 Nov 2019 10:44

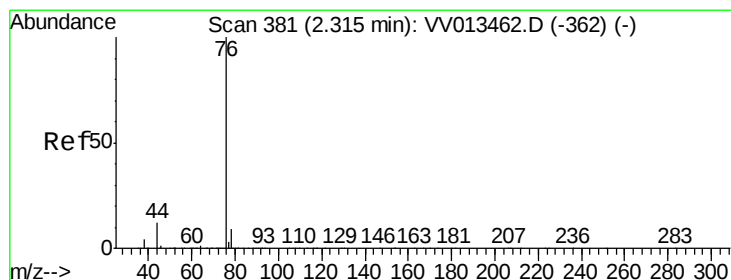
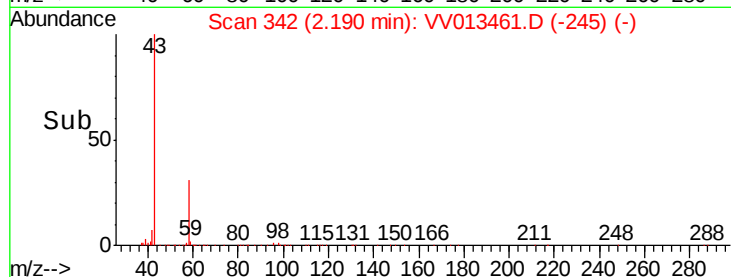
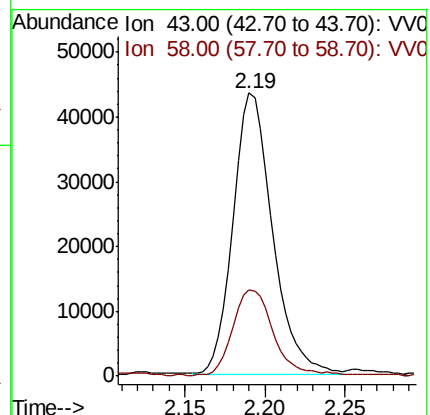
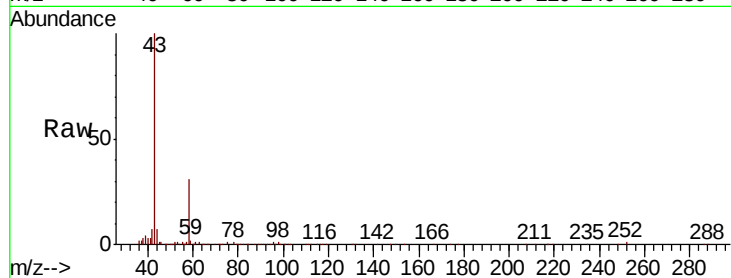
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 73142

Ion Ratio Lower Upper

43 100

58 30.4 0.0 63.2



#14

Carbon disulfide

Concen: 6.288 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV013461.D

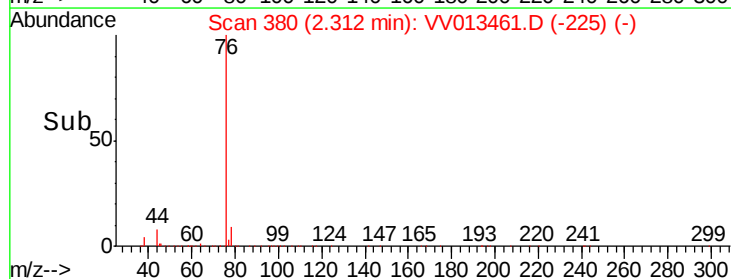
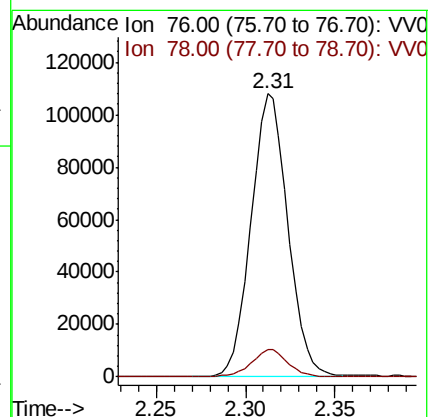
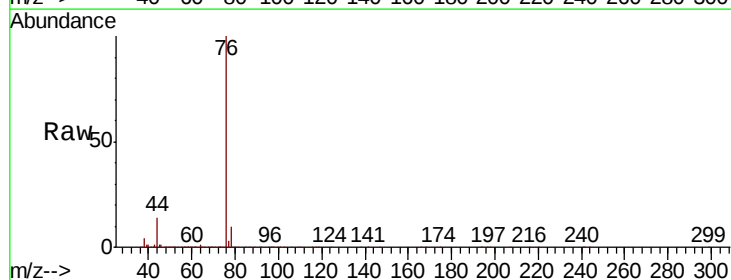
Acq: 01 Nov 2019 10:44

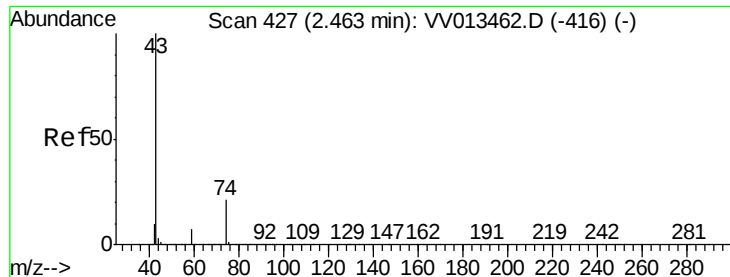
Tgt Ion: 76 Resp: 156149

Ion Ratio Lower Upper

76 100

78 9.7 7.1 10.7

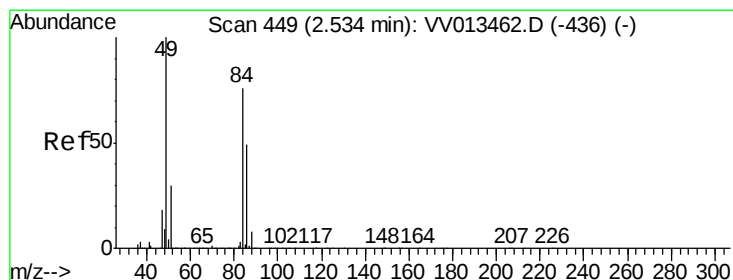
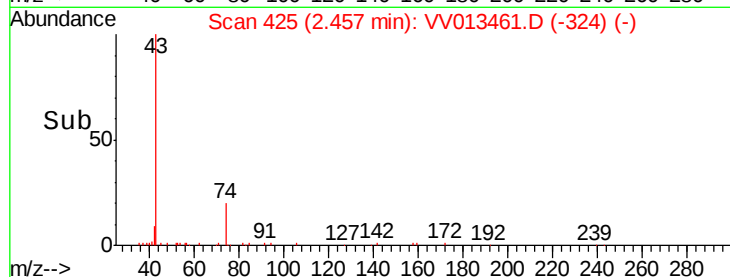
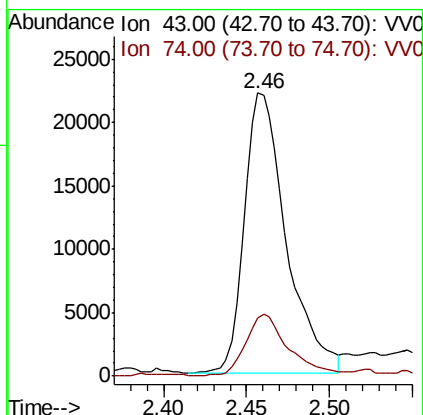
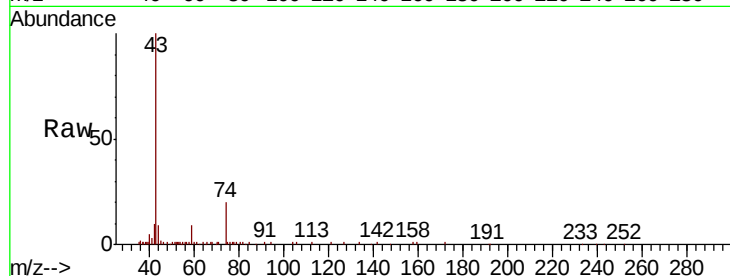




#15
Methvl Acetate
Concen: 6.517 ug/L
RT: 2.46 min Scan# 425
Delta R.T. -0.01 min
Lab File: VV013461.D
Acq: 01 Nov 2019 10:44

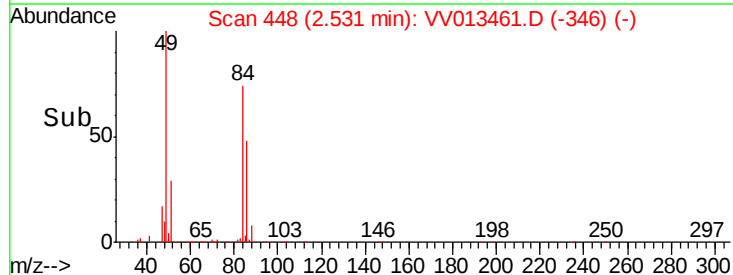
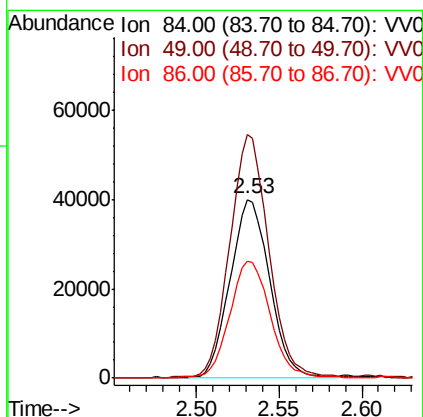
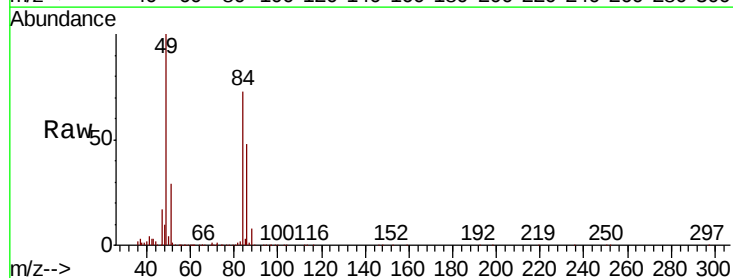
Instrument :
MSVOA_V
ClientSampleId :

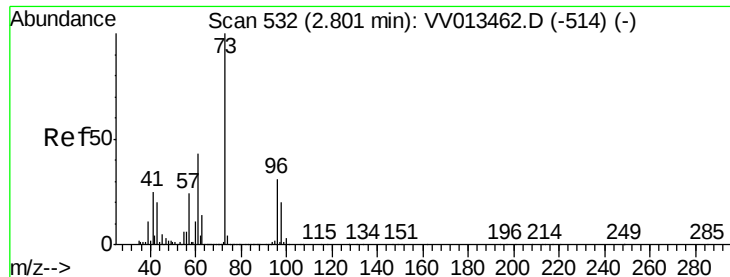
Tot Ion: 43 Resp: 39067
Ion Ratio Lower Upper
43 100
74 21.2 16.9 25.3



#16
Methylene chloride
Concen: 6.648 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV013461.D
Acq: 01 Nov 2019 10:44

Tgt Ion: 84 Resp: 66705
Ion Ratio Lower Upper
84 100
49 136.4 92.4 171.6
86 65.8 45.1 83.7

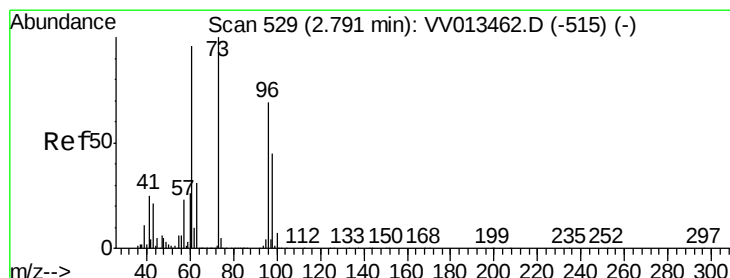
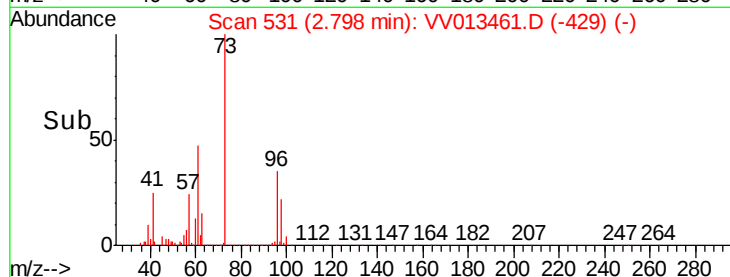
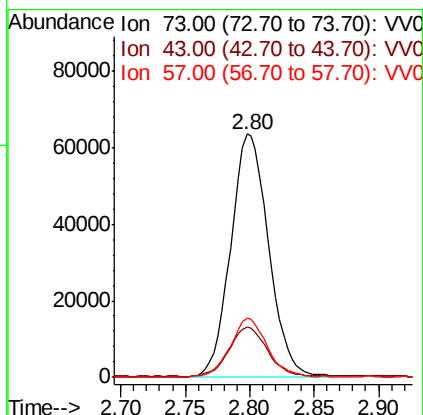
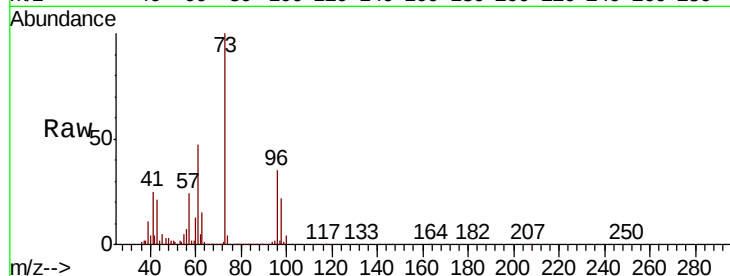




#17
Methvl tert-butvl Ether
Concen: 5.817 ug/L
RT: 2.80 min Scan# 531
Delta R.T. -0.00 min
Lab File: VV013461.D
Acq: 01 Nov 2019 10:44

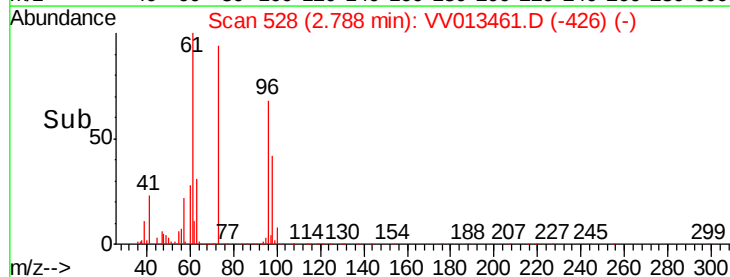
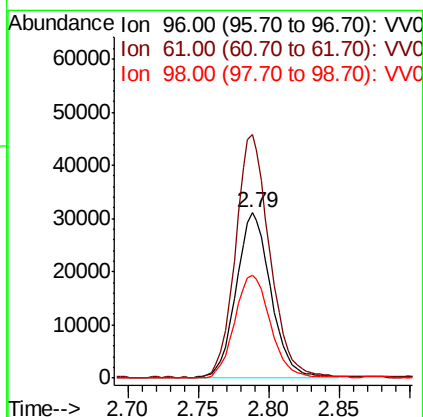
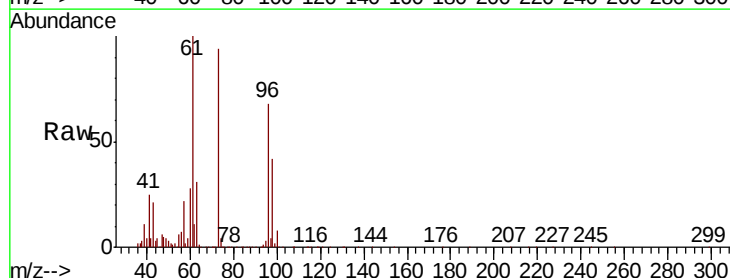
Instrument :
MSVOA_V
ClientSampleId :

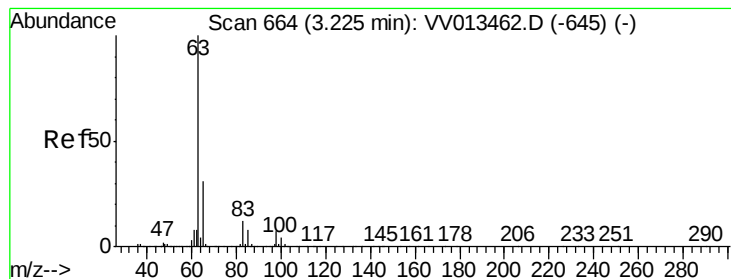
Tot Ion: 73 Resp: 129617
Ion Ratio Lower Upper
73 100
43 20.6 16.2 24.2
57 23.7 18.6 27.8



#18
trans-1,2-Dichloroethene
Concen: 5.936 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV013461.D
Acq: 01 Nov 2019 10:44

Tgt Ion: 96 Resp: 53810
Ion Ratio Lower Upper
96 100
61 147.3 98.0 182.0
98 62.3 45.6 84.8





#19

1,1-Dichloroethane

Concen: 5.939 ug/L

RT: 3.23 min Scan# 664

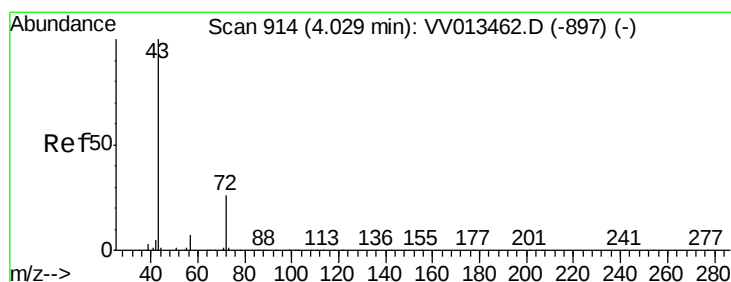
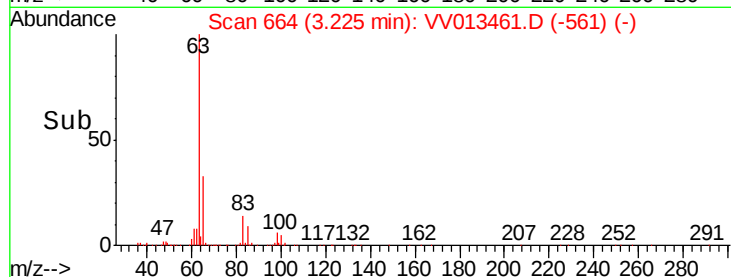
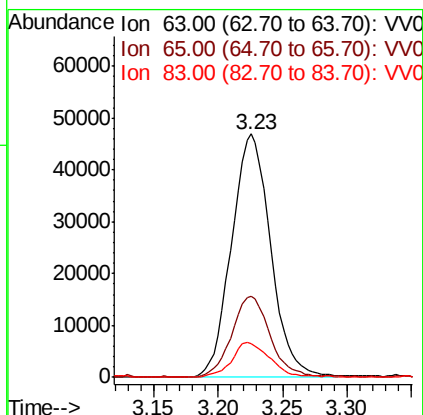
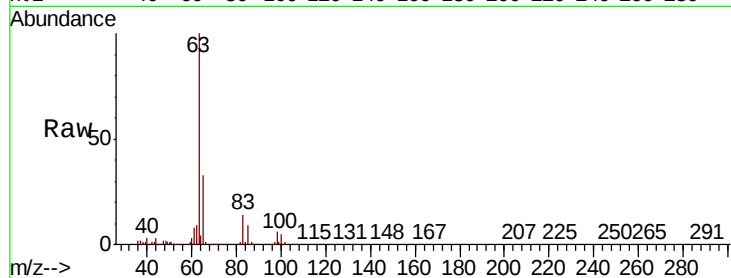
Delta R.T. 0.00 min

Lab File: VV013461.D

Acq: 01 Nov 2019 10:44

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	63	Resp:	98233
Ion	Ratio	Lower	Upper
63	100		
65	33.2	21.7	40.3
83	13.6	8.8	16.3



#21

2-Butanone

Concen: 12.976 ug/L

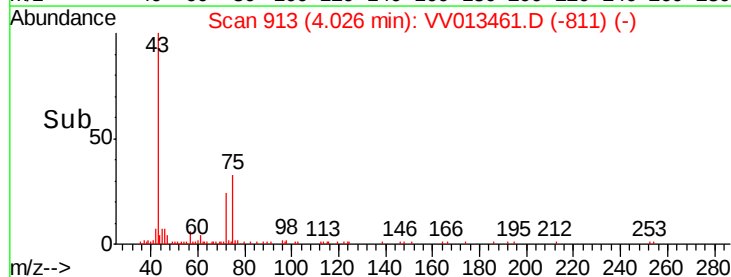
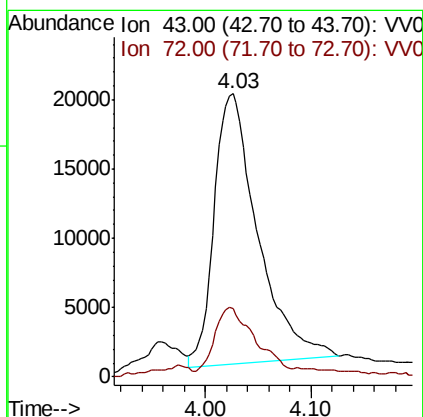
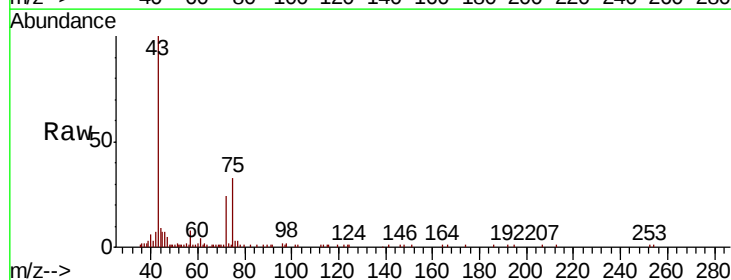
RT: 4.03 min Scan# 913

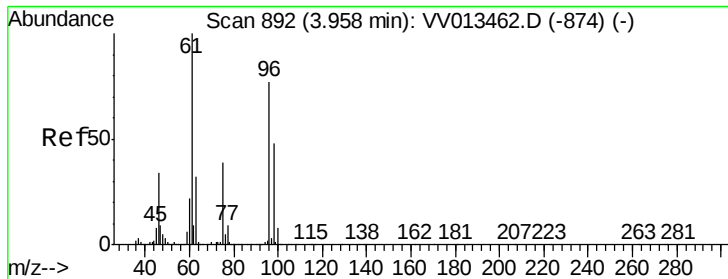
Delta R.T. -0.00 min

Lab File: VV013461.D

Acq: 01 Nov 2019 10:44

Tgt Ion:	43	Resp:	56313
Ion	Ratio	Lower	Upper
43	100		
72	21.4	12.1	36.3



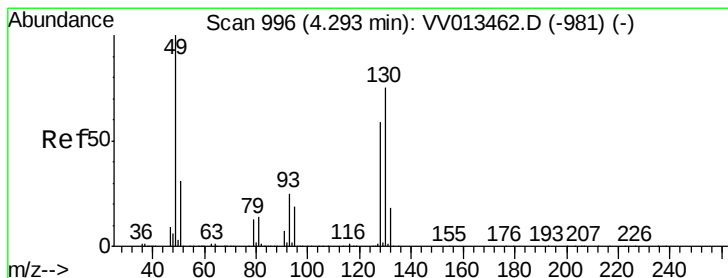
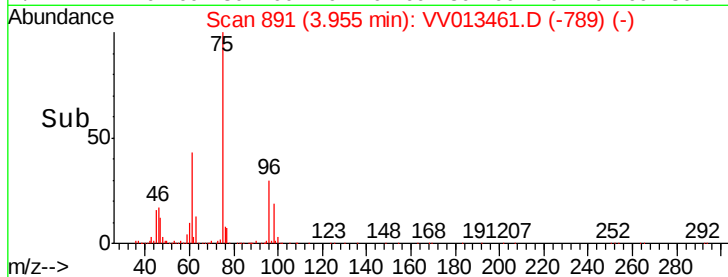
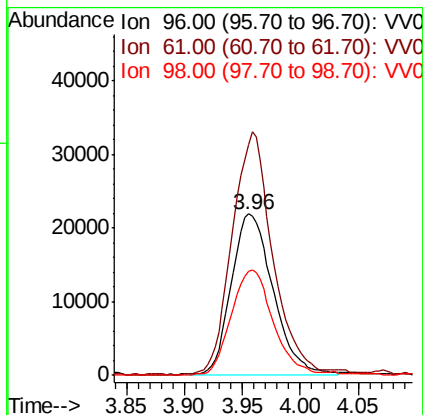
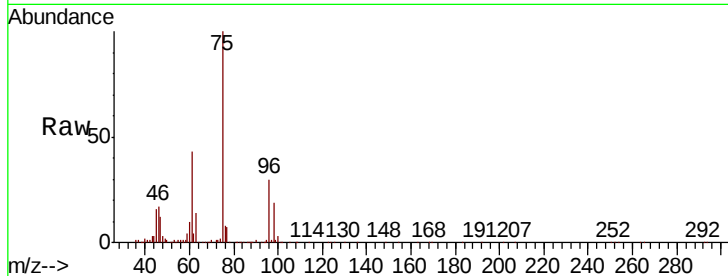


#22

cis-1,2-Dichloroethene
Concen: 5.620 ug/L
RT: 3.96 min Scan# 891
Delta R.T. -0.00 min
Lab File: VV013461.D
Acq: 01 Nov 2019 10:44

Instrument :
MSVOA_V
ClientSampleId :

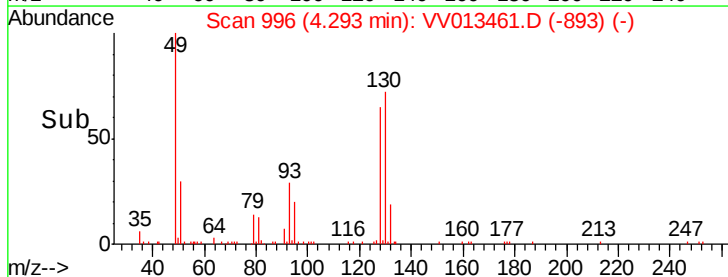
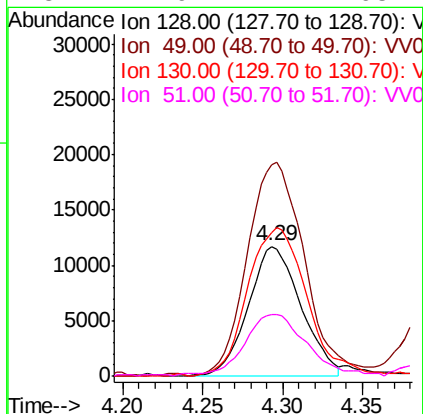
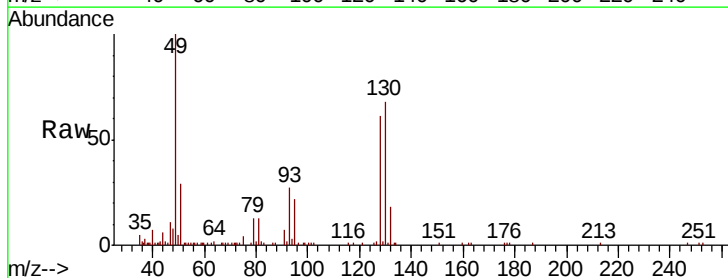
Tot Ion	Ratio	Lower	Upper
96	100		
61	143.0	91.5	169.9
98	64.2	43.8	81.3

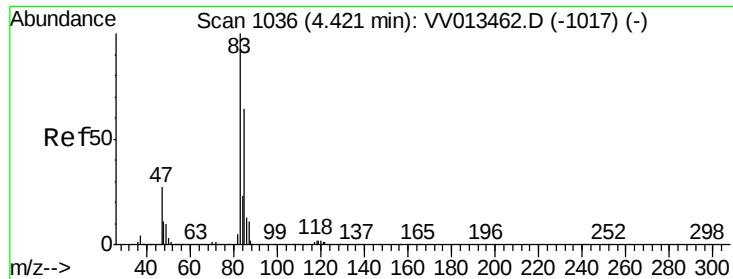


#23

Bromochloromethane
Concen: 5.510 ug/L
RT: 4.29 min Scan# 996
Delta R.T. 0.00 min
Lab File: VV013461.D
Acq: 01 Nov 2019 10:44

Tgt Ion	Ratio	Lower	Upper
128	100		
49	162.8	118.2	219.4
130	110.9	89.0	165.4
51	47.9	42.2	63.4

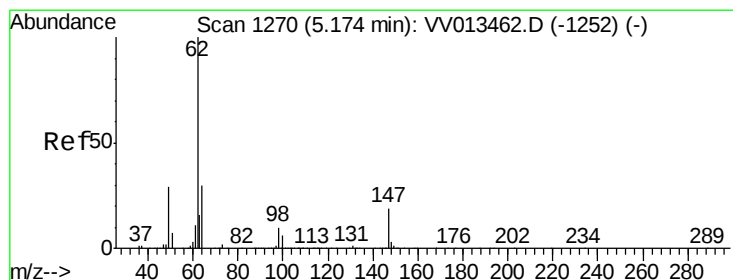
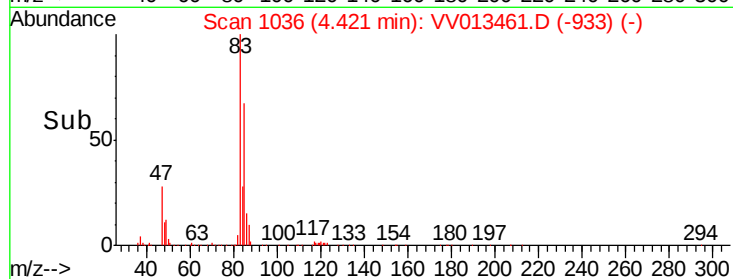
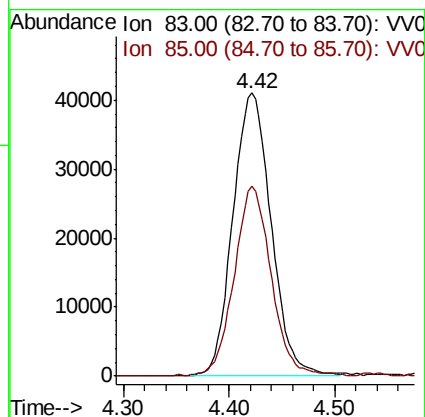
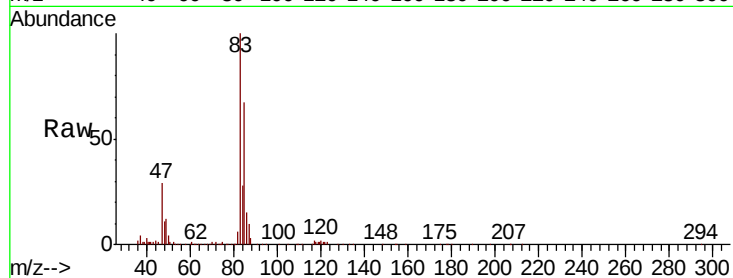




#25
Chloroform
Concen: 6.018 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VV013461.D
Acq: 01 Nov 2019 10:44

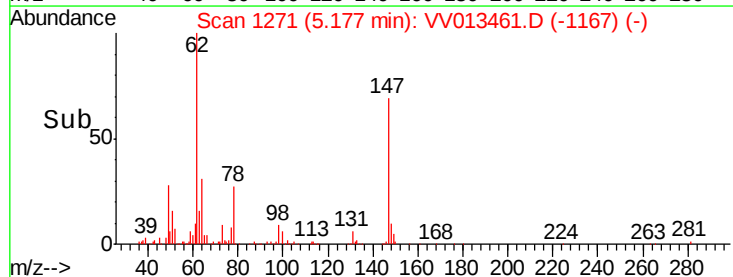
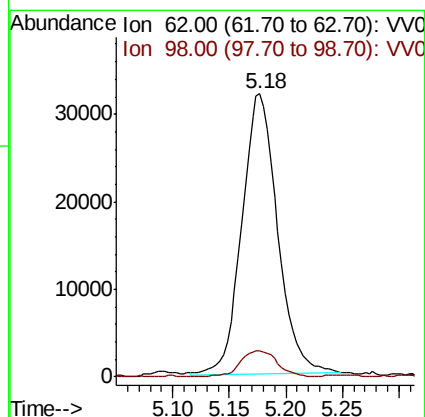
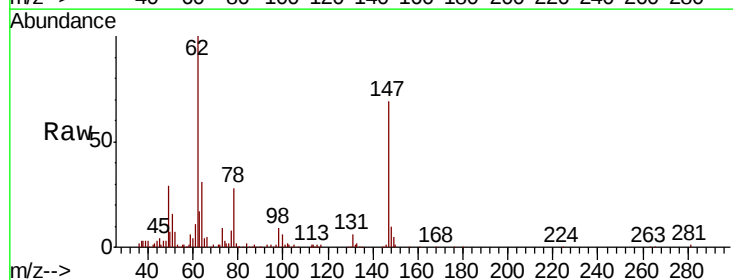
Instrument :
MSVOA_V
ClientSampleId :

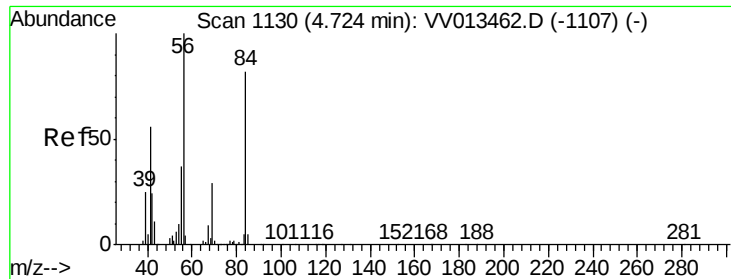
Tot Ion: 83 Resp: 103665
Ion Ratio Lower Upper
83 100
85 64.1 45.8 85.0



#27
1,2-Dichloroethane
Concen: 5.798 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VV013461.D
Acq: 01 Nov 2019 10:44

Tgt Ion: 62 Resp: 70308
Ion Ratio Lower Upper
62 100
98 9.3 7.8 11.6

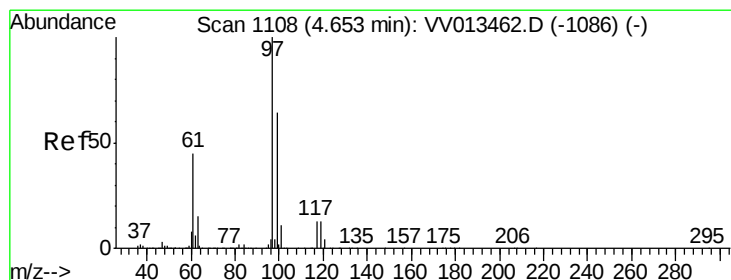
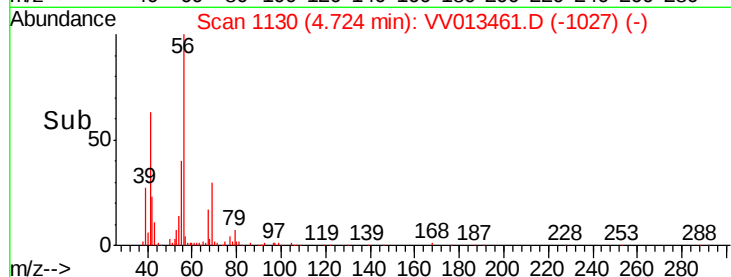
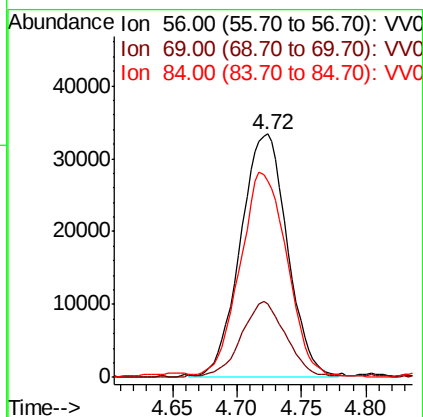
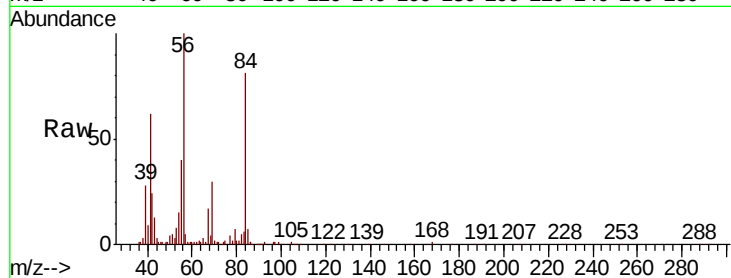




#30
Cyclohexane
Concen: 5.980 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. 0.00 min
Lab File: VV013461.D
Acq: 01 Nov 2019 10:44

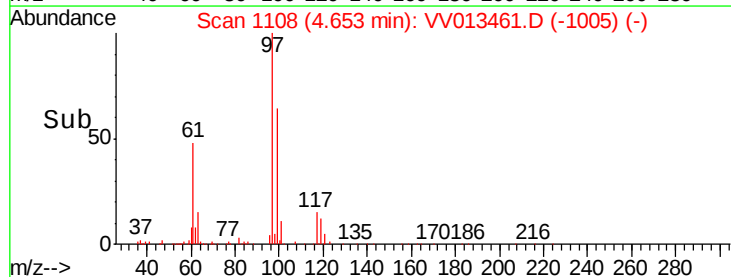
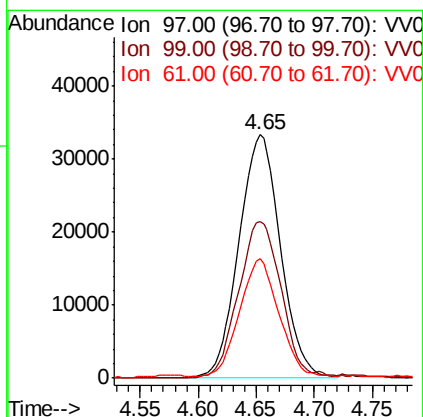
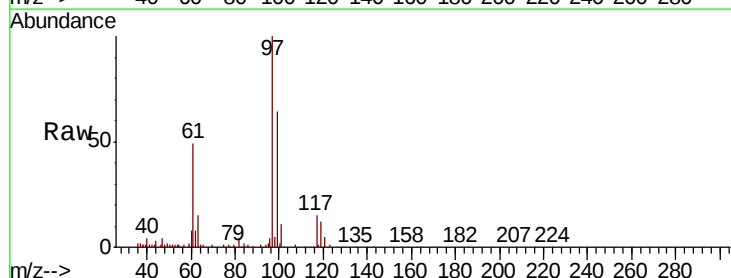
Instrument :
MSVOA_V
ClientSampleId :

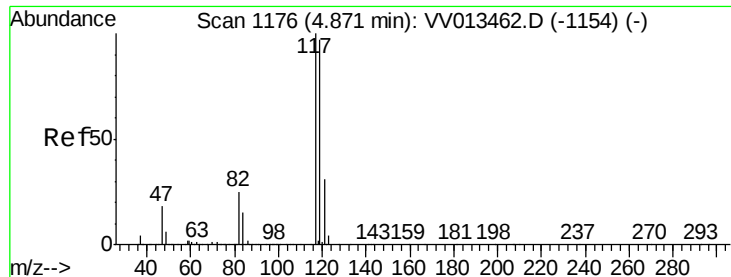
Tot Ion	56	Resp	84565
Ion Ratio	Lower	Upper	
56	100		
69	28.5	23.0	34.6
84	83.6	66.2	99.4



#31
1,1,1-Trichloroethane
Concen: 6.388 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VV013461.D
Acq: 01 Nov 2019 10:44

Tgt Ion	97	Resp	83429
Ion Ratio	Lower	Upper	
97	100		
99	65.2	51.1	76.7
61	45.5	36.3	54.5





#32

Carbon tetrachloride

Concen: 6.344 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VV013461.D

Acq: 01 Nov 2019 10:44

Instrument :

MSVOA_V

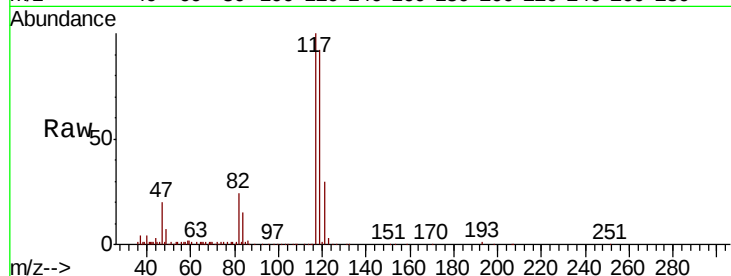
ClientSampleId :

Tot Ion:117 Resp: 75095

Ion Ratio Lower Upper

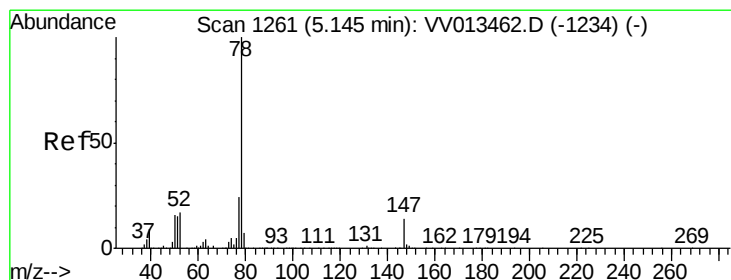
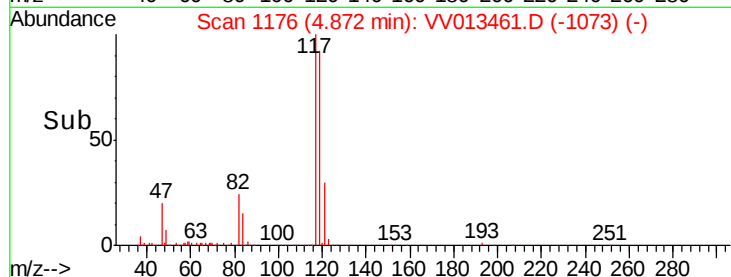
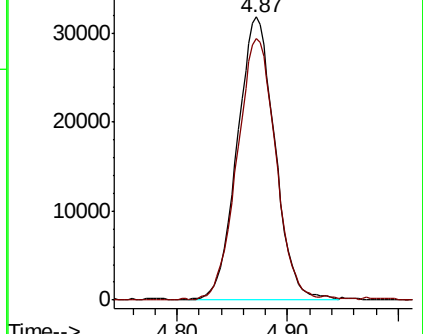
117 100

119 94.4 77.4 116.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 5.855 ug/L

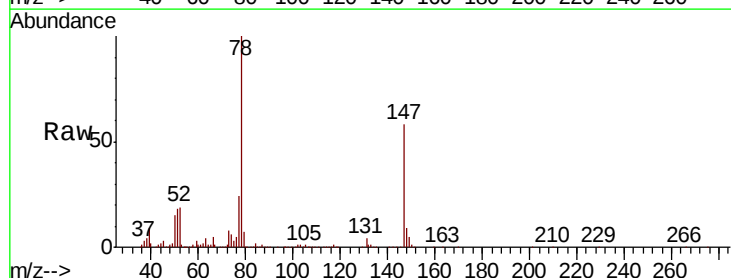
RT: 5.14 min Scan# 1260

Delta R.T. -0.00 min

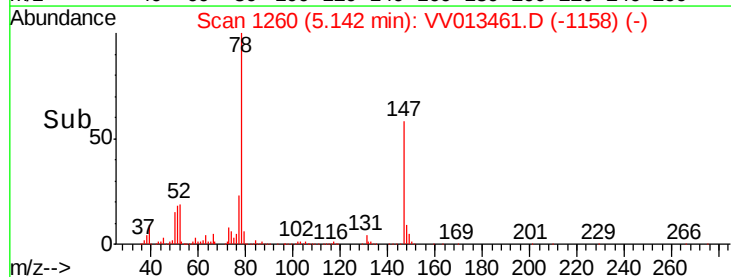
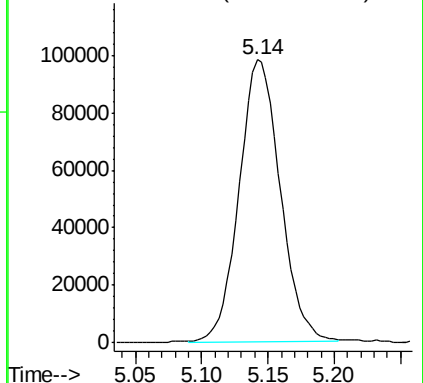
Lab File: VV013461.D

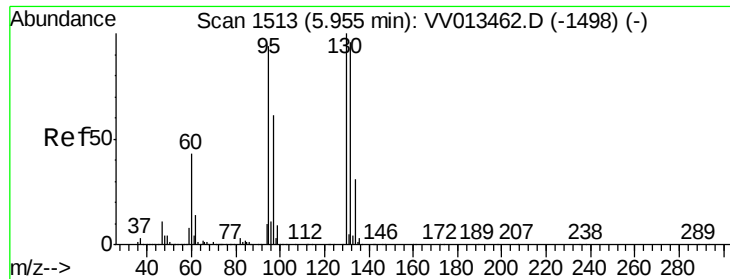
Acq: 01 Nov 2019 10:44

Tgt Ion: 78 Resp: 210569



Abundance Ion 78.00 (77.70 to 78.70): VV0





#35

Trichloroethene

Concen: 5.936 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV013461.D

Acq: 01 Nov 2019 10:44

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 59205

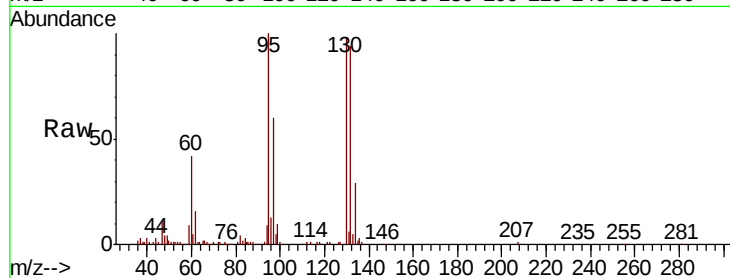
Ion Ratio Lower Upper

95 100

97 64.9 44.7 83.1

132 100.4 71.0 131.8

130 102.5 74.1 137.7

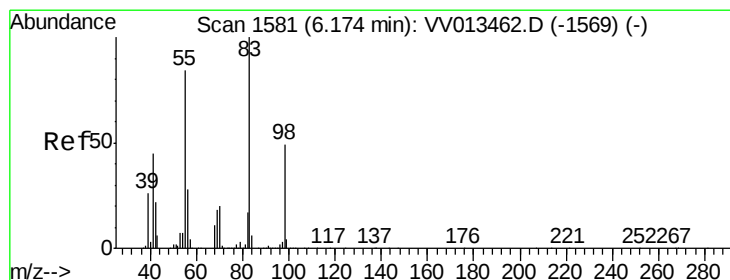
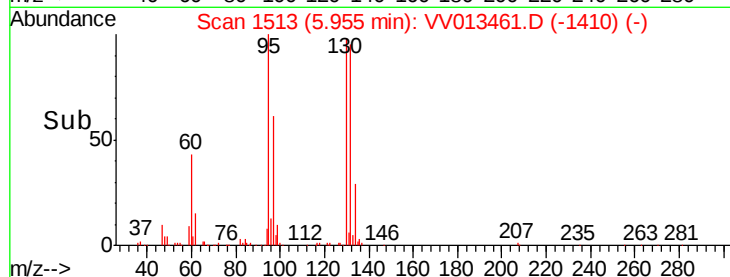
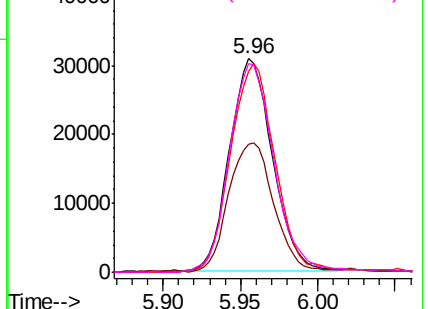


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#36

Methylcyclohexane

Concen: 5.681 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV013461.D

Acq: 01 Nov 2019 10:44

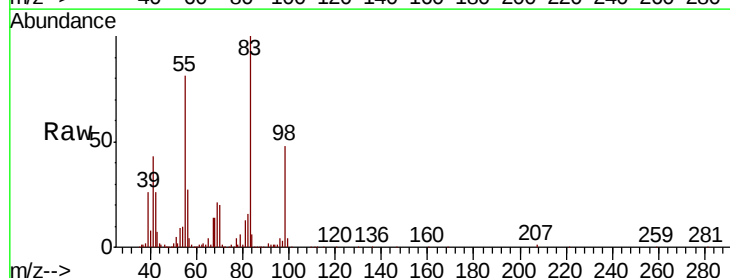
Tgt Ion: 83 Resp: 87470

Ion Ratio Lower Upper

83 100

55 82.5 64.2 96.4

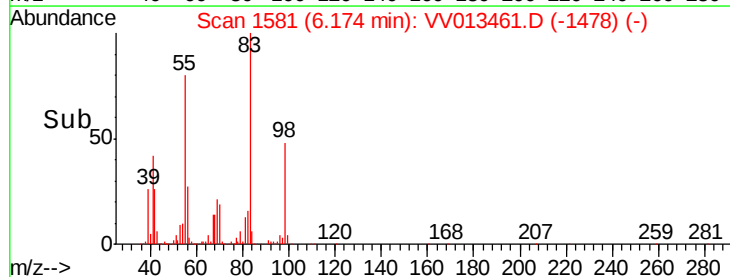
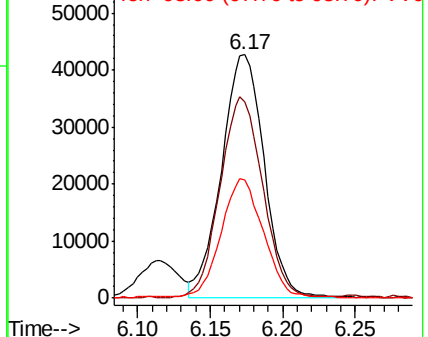
98 47.1 38.4 57.6

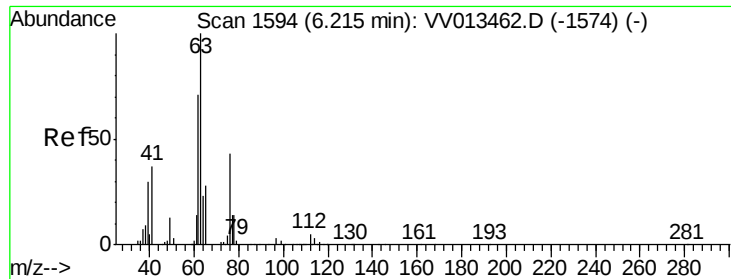


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

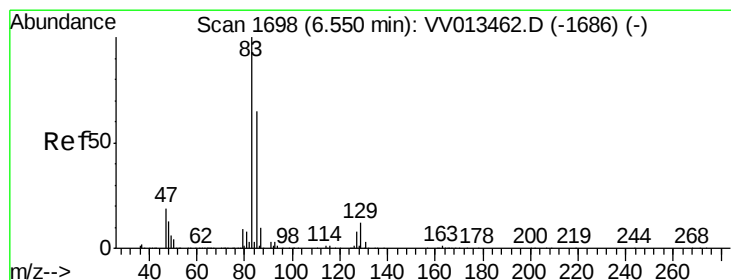
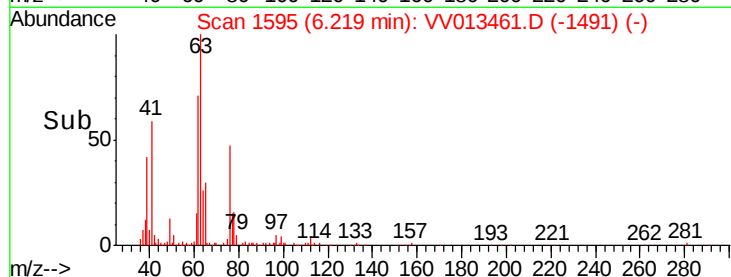
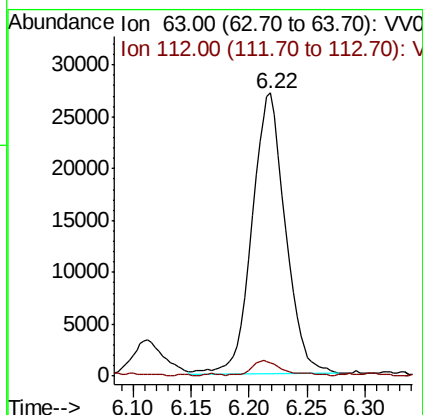
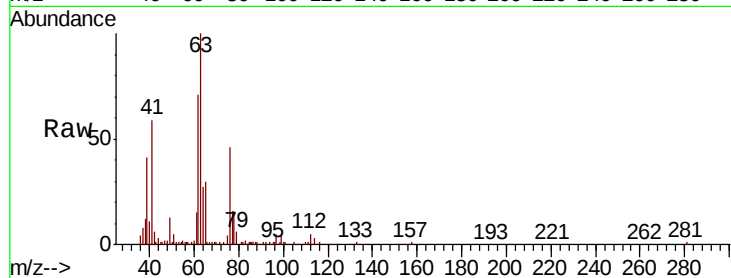




#40
 1,2-Dichloropropane
 Concen: 5.817 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV013461.D
 Acq: 01 Nov 2019 10:44

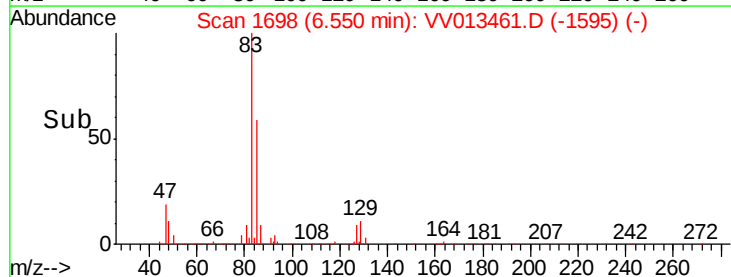
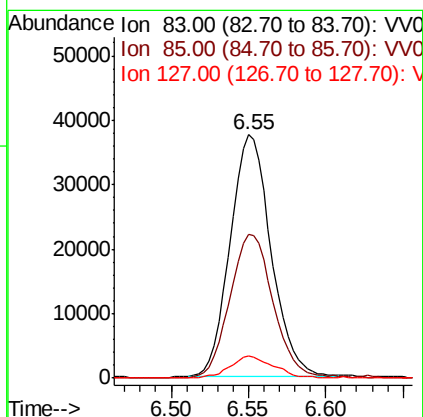
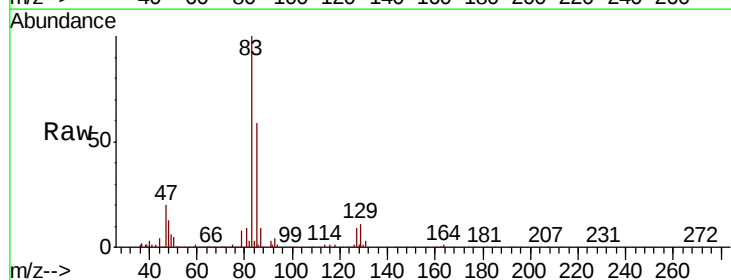
Instrument :
 MSVOA_V
 ClientSampleId :

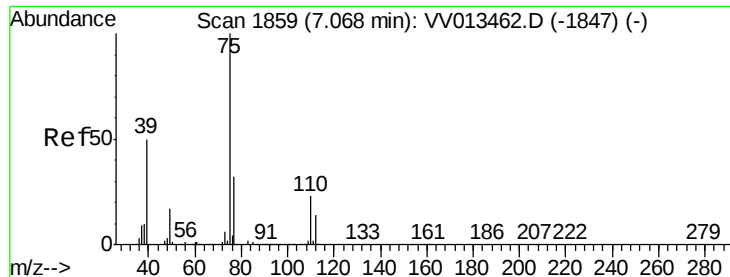
Tot Ion: 63 Resp: 54147
 Ion Ratio Lower Upper
 63 100
 112 5.0 3.8 5.6



#41
 Bromodichloromethane
 Concen: 5.758 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VV013461.D
 Acq: 01 Nov 2019 10:44

Tgt Ion: 83 Resp: 68544
 Ion Ratio Lower Upper
 83 100
 85 58.8 45.4 84.4
 127 9.2 6.7 10.1



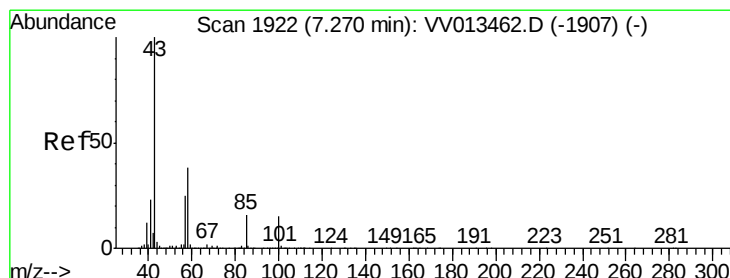
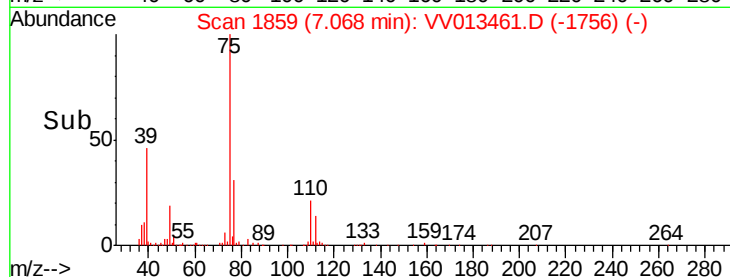
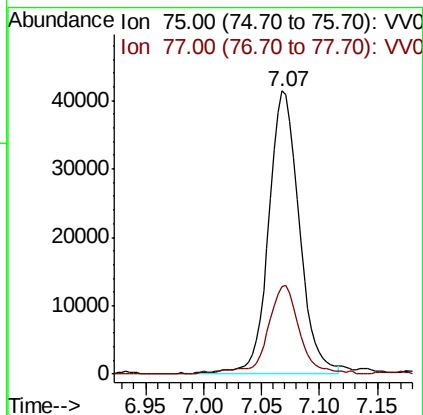
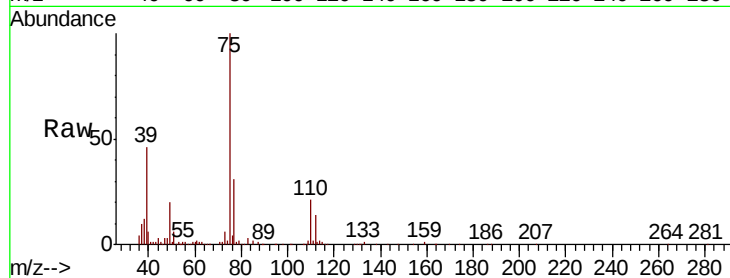


#42

cis-1,3-Dichloropropene
Concen: 5.517 ug/L
RT: 7.07 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VV013461.D
Acq: 01 Nov 2019 10:44

Instrument :
MSVOA_V
ClientSampleId :

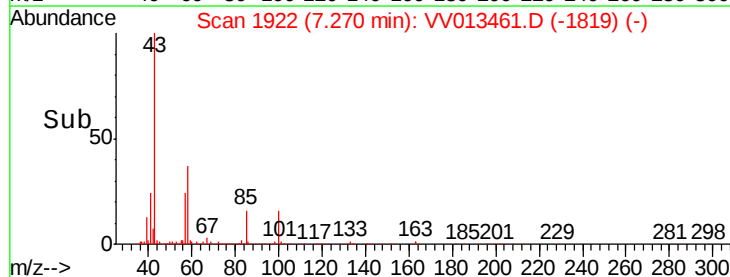
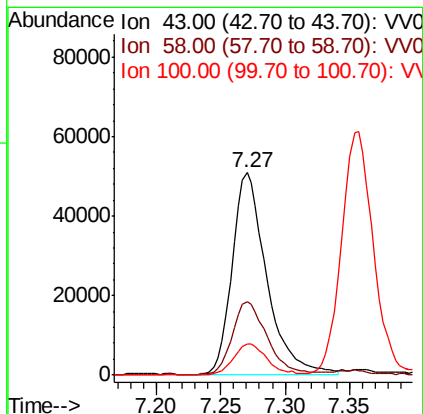
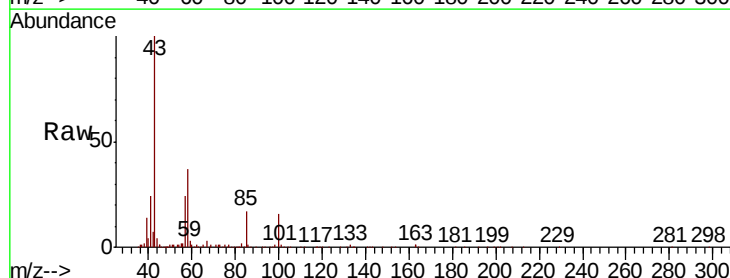
Tot Ion: 75 Resp: 74923
Ion Ratio Lower Upper
75 100
77 30.9 22.7 42.1

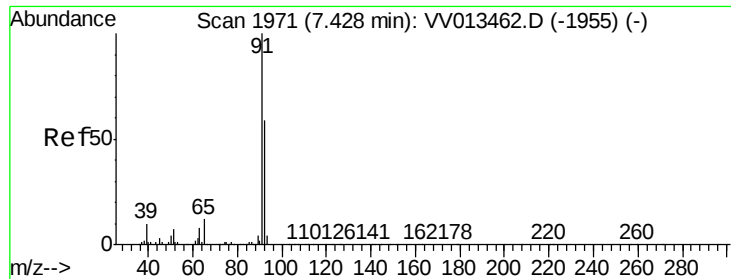


#43

4-Methyl-2-pentanone
Concen: 12.368 ug/L
RT: 7.27 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VV013461.D
Acq: 01 Nov 2019 10:44

Tgt Ion: 43 Resp: 95223
Ion Ratio Lower Upper
43 100
58 34.9 29.9 44.9
100 14.5 11.5 17.3





#44

Toluene

Concen: 5.686 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV013461.D

Acq: 01 Nov 2019 10:44

Instrument :

MSVOA_V

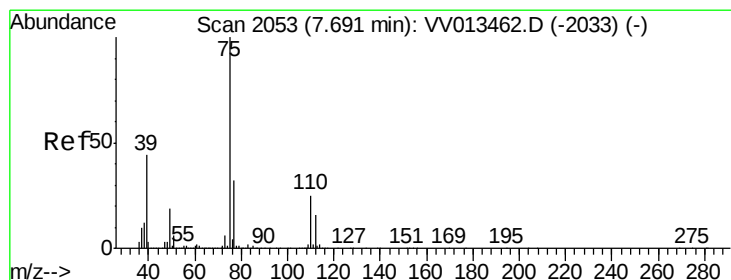
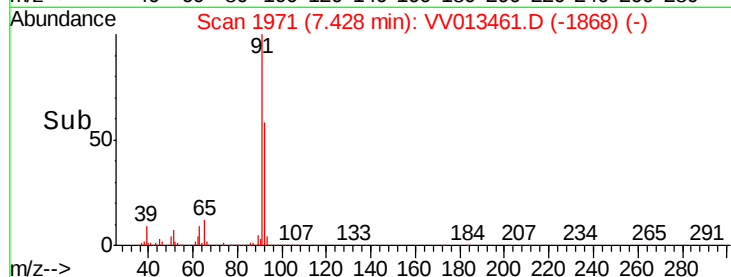
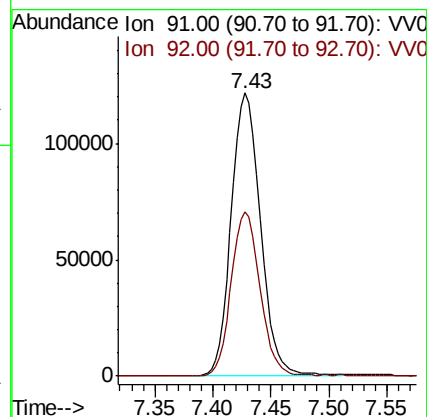
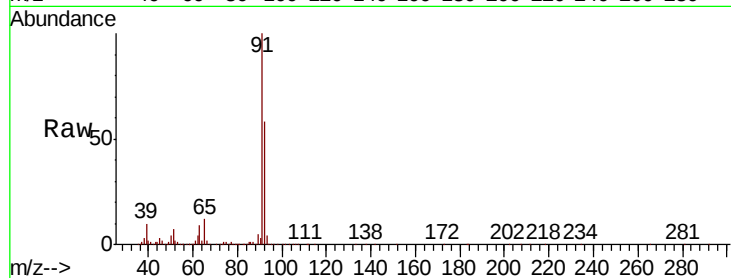
ClientSampleId :

Tot Ion: 91 Resp: 213956

Ion Ratio Lower Upper

91 100

92 58.3 41.4 76.8



#45

trans-1,3-Dichloropropene

Concen: 5.442 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV013461.D

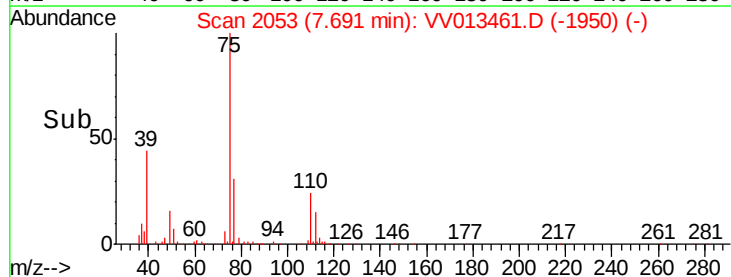
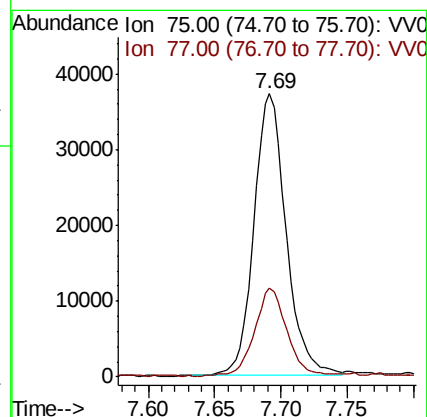
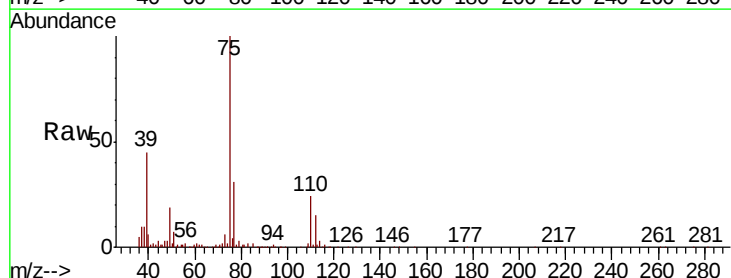
Acq: 01 Nov 2019 10:44

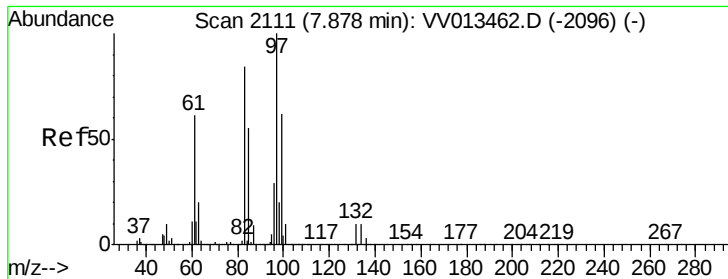
Tgt Ion: 75 Resp: 62889

Ion Ratio Lower Upper

75 100

77 31.3 22.5 41.7

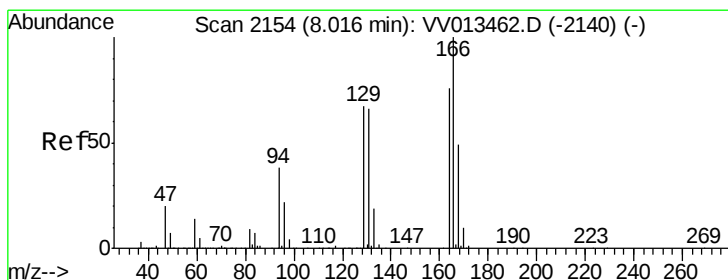
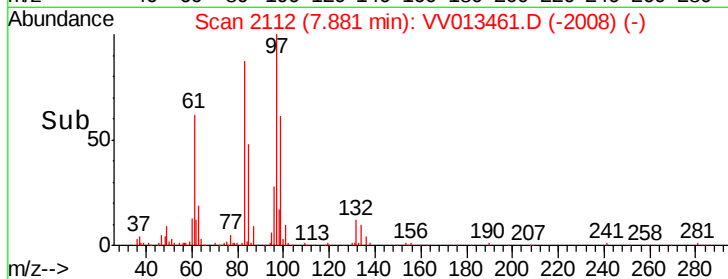
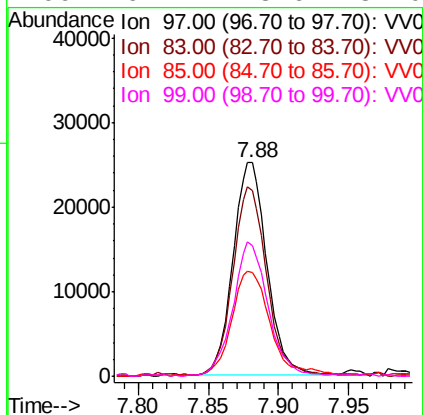
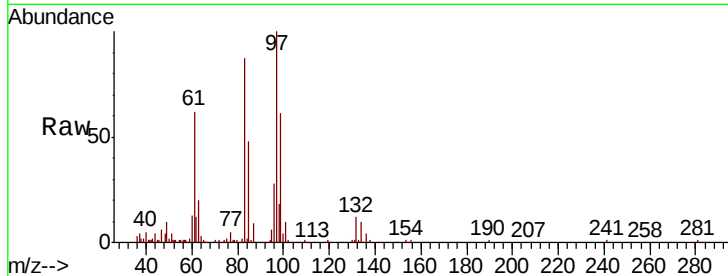




#46
1,1,2-Trichloroethane
Concen: 5.454 ug/L
RT: 7.88 min Scan# 2112
Delta R.T. 0.00 min
Lab File: VV013461.D
Acq: 01 Nov 2019 10:44

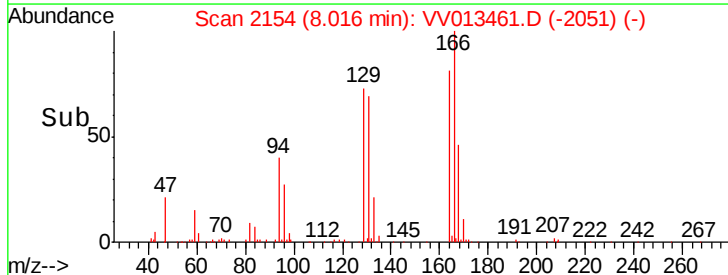
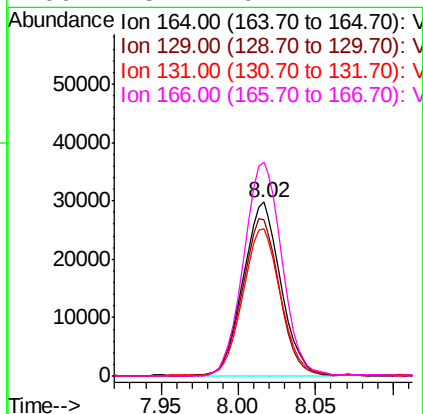
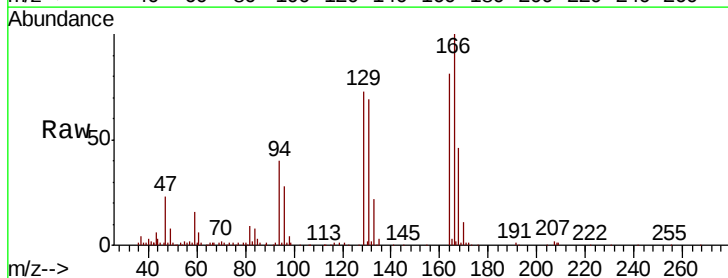
Instrument :
MSVOA_V
ClientSampleId :

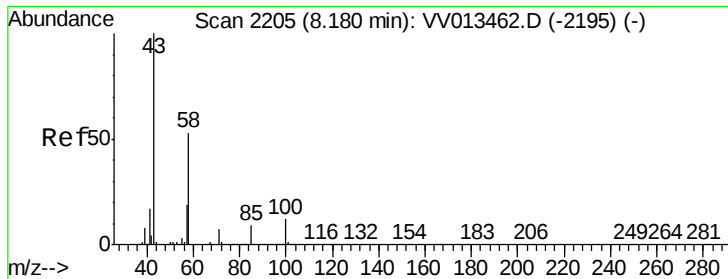
Tot Ion:	97	Resp:	42379
Ion	Ratio	Lower	Upper
97	100		
83	87.1	58.9	109.3
85	48.4	38.6	71.6
99	61.4	43.6	81.0



#47
Tetrachloroethene
Concen: 6.186 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV013461.D
Acq: 01 Nov 2019 10:44

Tgt Ion:	164	Resp:	50764
Ion	Ratio	Lower	Upper
164	100		
129	90.3	61.8	114.8
131	84.8	61.0	113.2
166	123.1	92.1	171.1

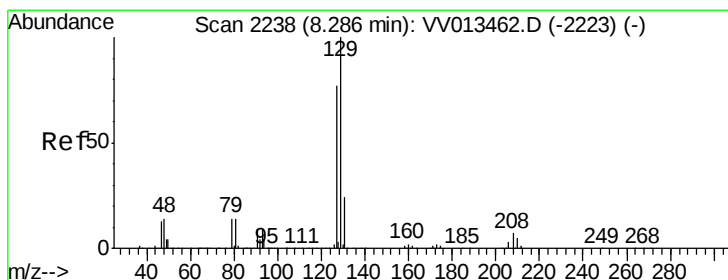
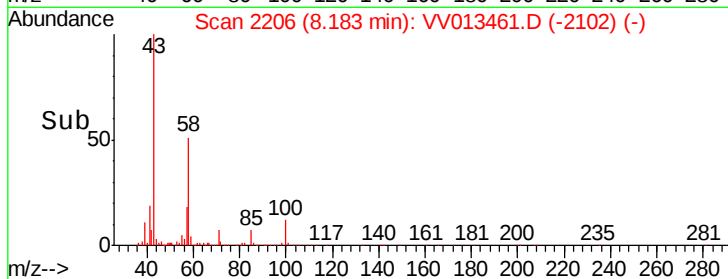
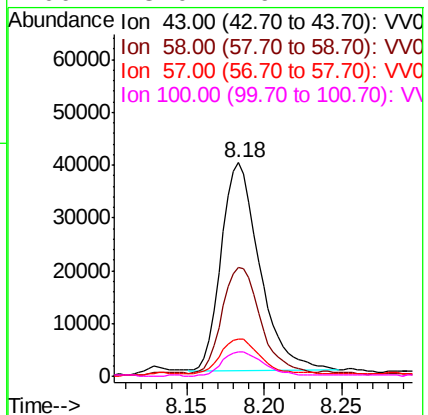
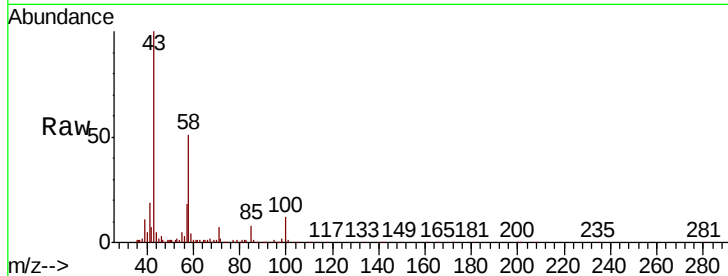




#49
2-Hexanone
Concen: 11.881 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV013461.D
Acq: 01 Nov 2019 10:44

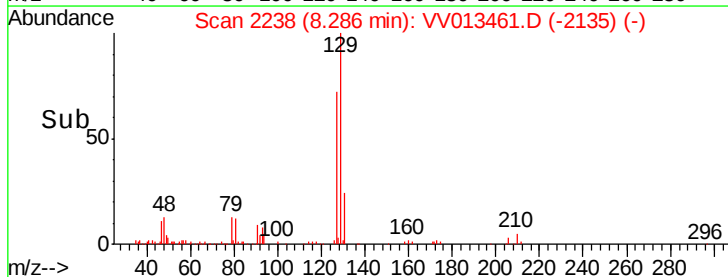
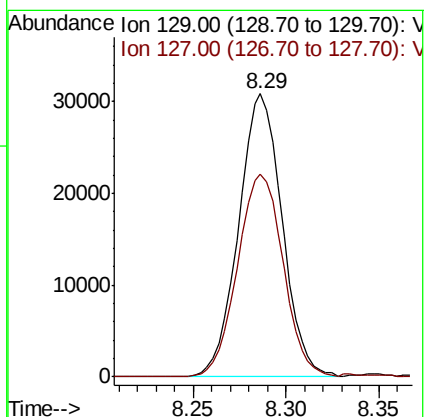
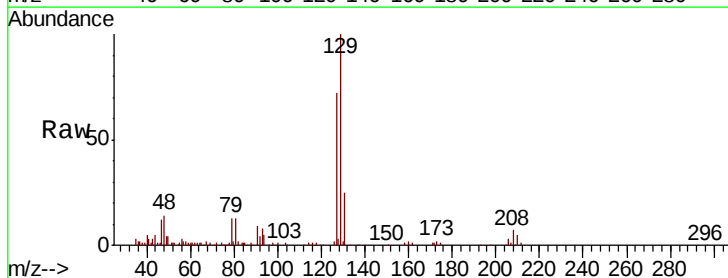
Instrument :
MSVOA_V
ClientSampleId :

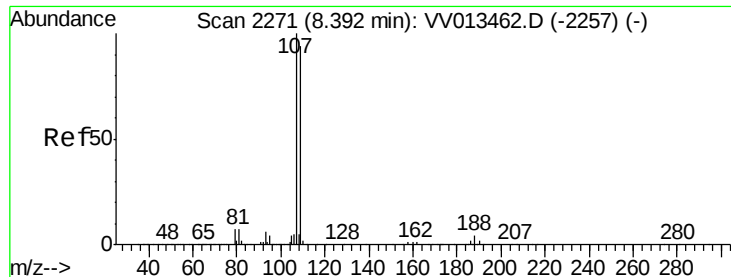
Tot Ion: 43 Resp: 67906
Ion Ratio Lower Upper
43 100
58 50.7 43.8 65.8
57 17.5 15.0 22.4
100 13.0 9.4 14.2



#50
Dibromochloromethane
Concen: 5.585 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV013461.D
Acq: 01 Nov 2019 10:44

Tgt Ion: 129 Resp: 50421
Ion Ratio Lower Upper
129 100
127 71.6 53.9 100.1





#51

1,2-Dibromoethane

Concen: 5.770 ug/L

RT: 8.39 min Scan# 2271

Delta R.T. 0.00 min

Lab File: VV013461.D

Acq: 01 Nov 2019 10:44

Instrument :

MSVOA_V

ClientSampleId :

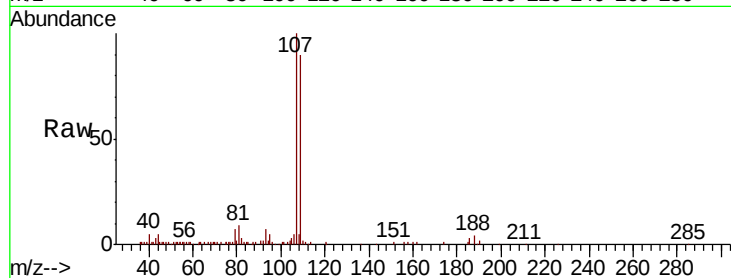
Tot Ion:107 Resp: 44300

Ion Ratio Lower Upper

107 100

109 90.4 65.6 121.8

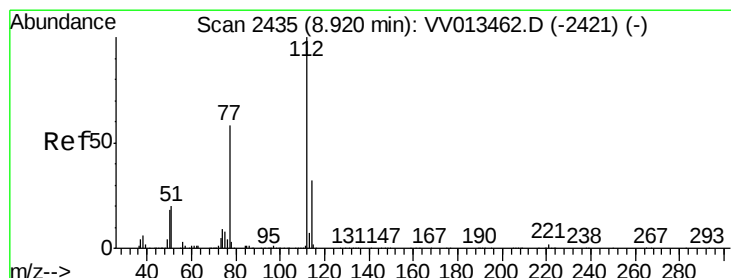
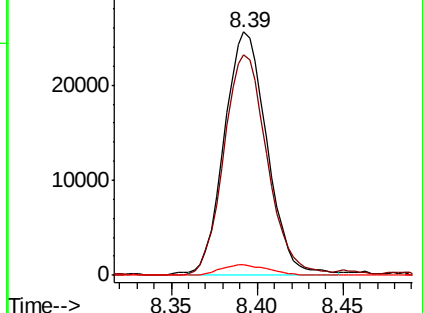
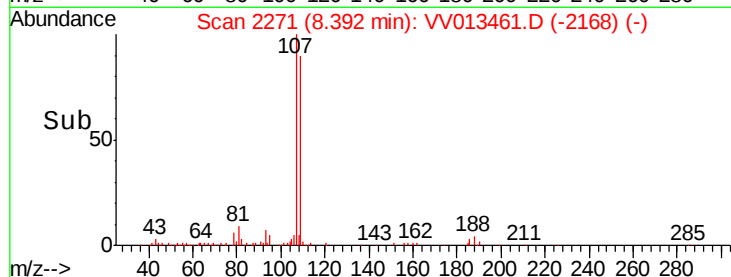
188 4.2 3.5 5.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 5.739 ug/L

RT: 8.92 min Scan# 2435

Delta R.T. 0.00 min

Lab File: VV013461.D

Acq: 01 Nov 2019 10:44

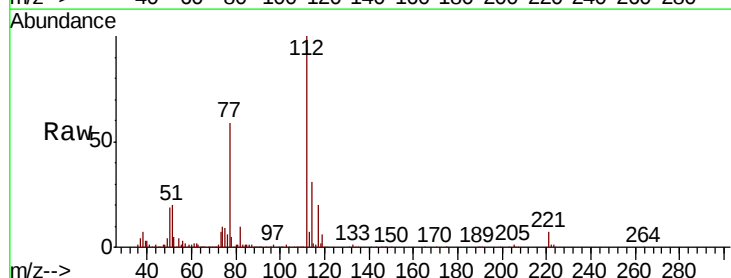
Tgt Ion:112 Resp: 149131

Ion Ratio Lower Upper

112 100

77 58.9 46.6 70.0

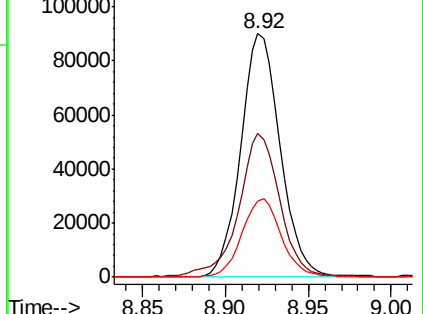
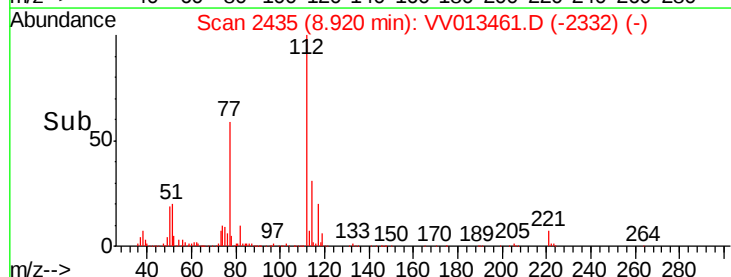
114 31.3 22.5 41.9

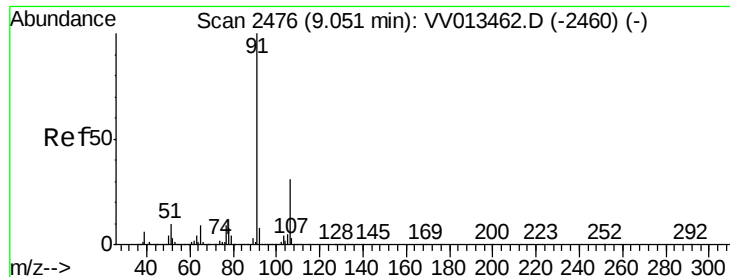


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 5.479 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV013461.D

Acq: 01 Nov 2019 10:44

Instrument :

MSVOA_V

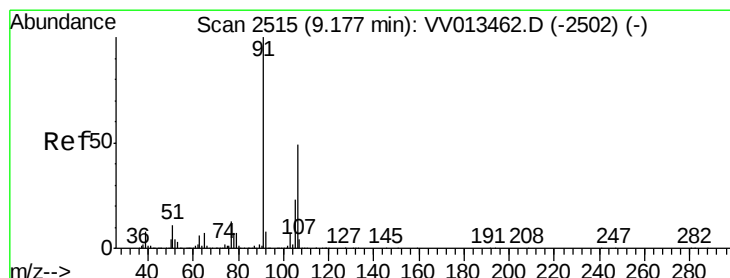
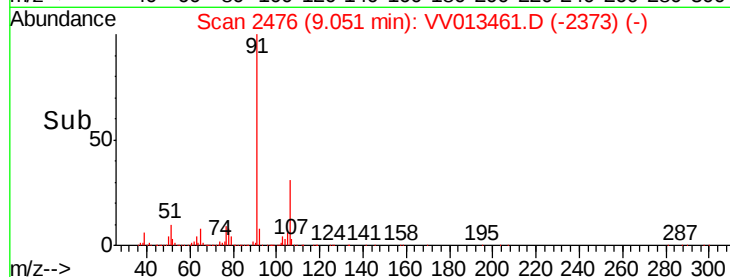
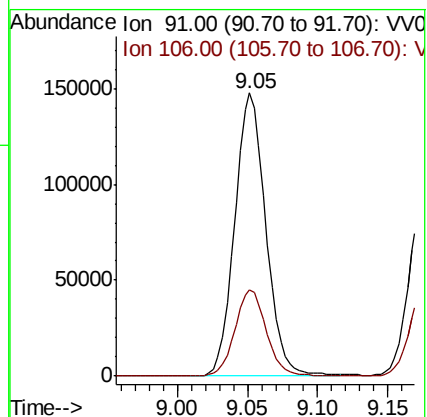
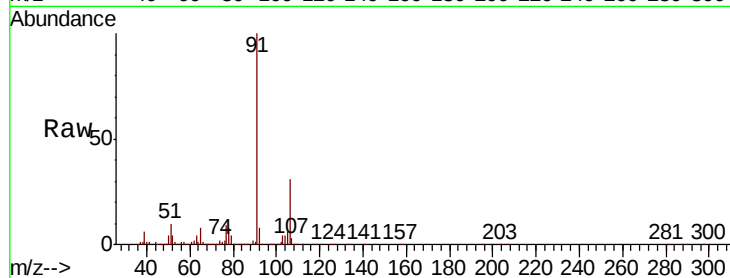
ClientSampleId :

Tot Ion: 91 Resp: 228679

Ion Ratio Lower Upper

91 100

106 30.5 21.5 39.9



#54

m,p-Xylene

Concen: 5.330 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV013461.D

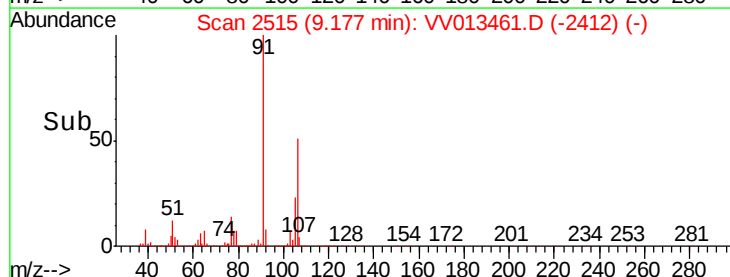
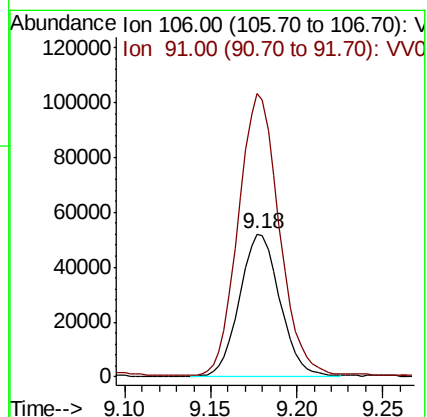
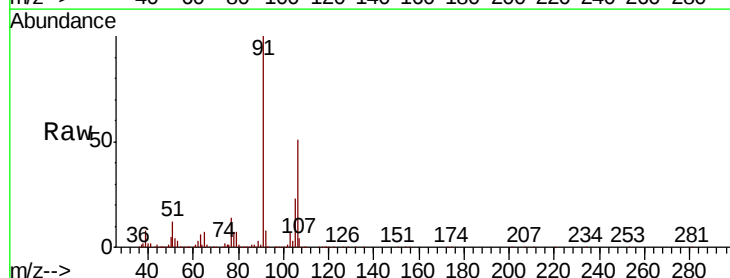
Acq: 01 Nov 2019 10:44

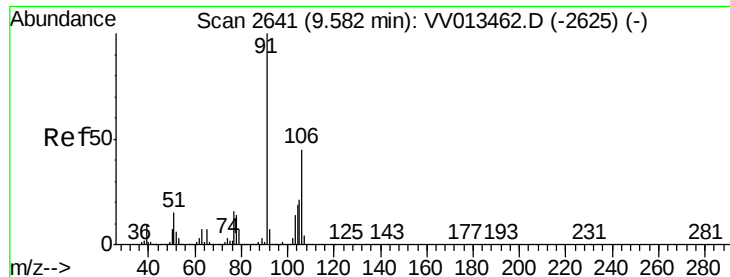
Tgt Ion: 106 Resp: 84223

Ion Ratio Lower Upper

106 100

91 197.7 141.7 263.1





#55

o-xylene

Concen: 5.353 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV013461.D

Acq: 01 Nov 2019 10:44

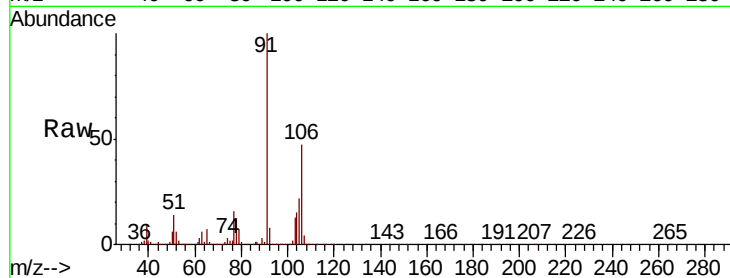
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 79924

Ion Ratio Lower Upper

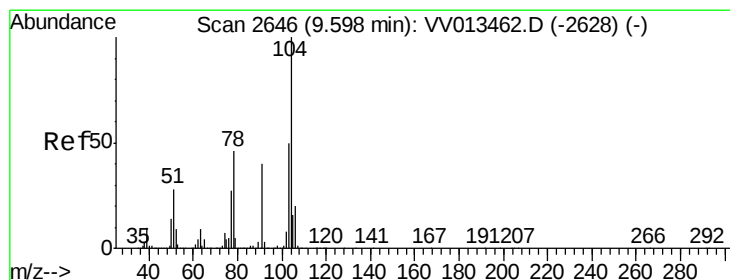
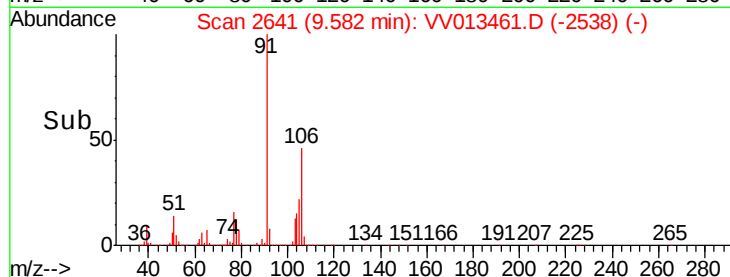
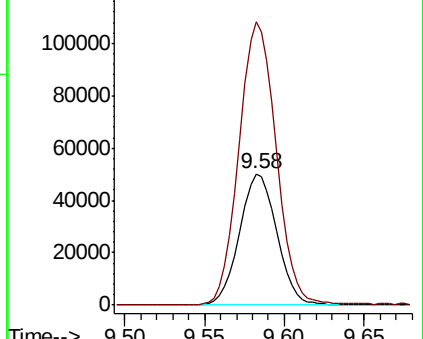
106 100

91 214.9 154.2 286.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 5.133 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV013461.D

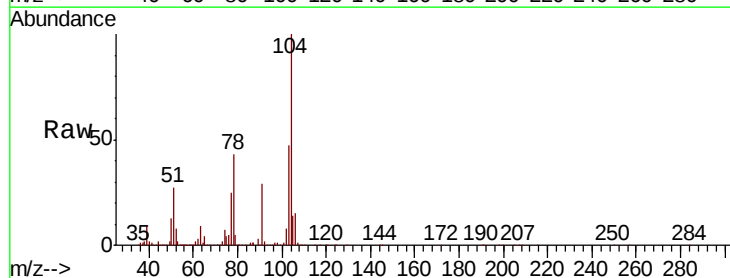
Acq: 01 Nov 2019 10:44

Tgt Ion:104 Resp: 134630

Ion Ratio Lower Upper

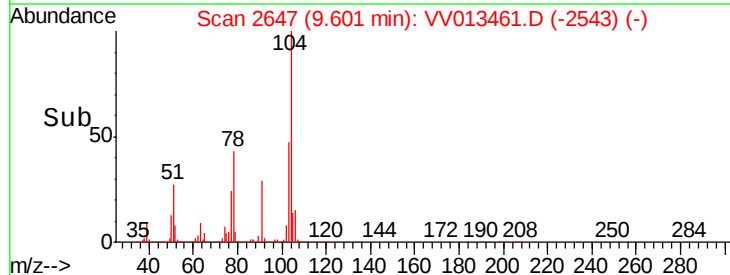
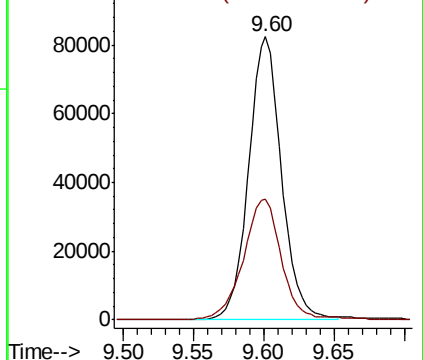
104 100

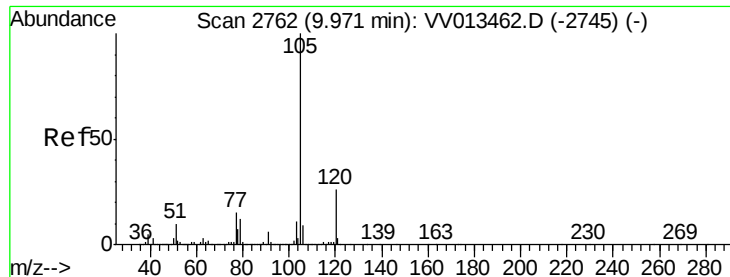
78 42.5 32.1 59.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 5.356 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013461.D

Acq: 01 Nov 2019 10:44

Instrument :

MSVOA_V

ClientSampleId :

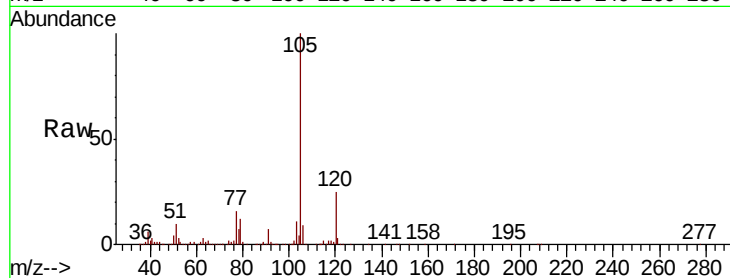
Tot Ion:105 Resp: 213086

Ion Ratio Lower Upper

105 100

120 26.2 21.1 31.7

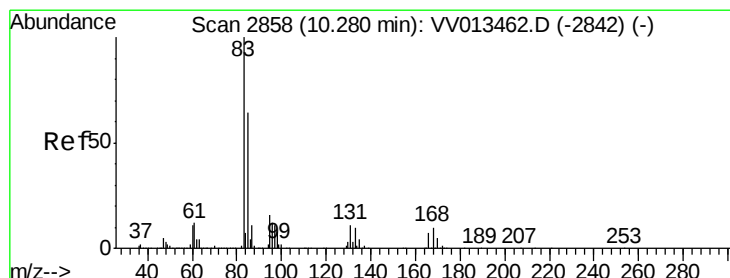
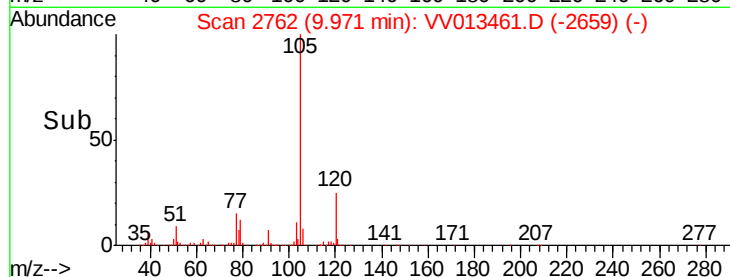
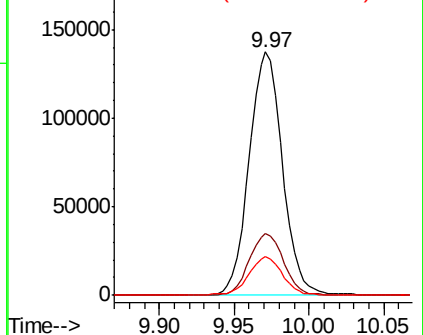
77 15.6 12.3 18.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.554 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV013461.D

Acq: 01 Nov 2019 10:44

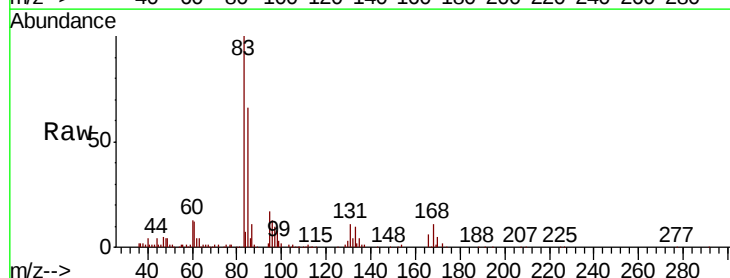
Tgt Ion: 83 Resp: 53289

Ion Ratio Lower Upper

83 100

85 65.8 45.1 83.7

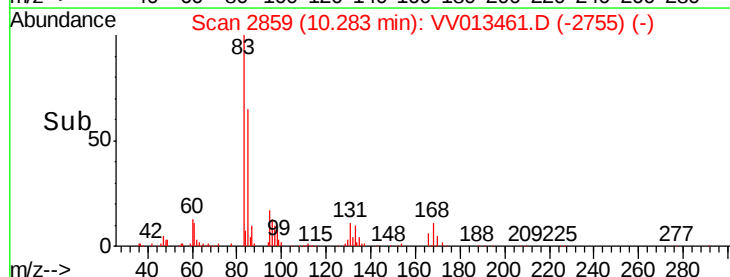
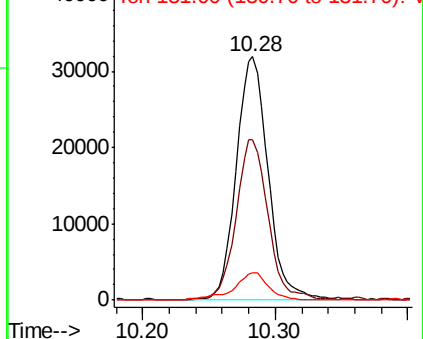
131 11.4 8.5 12.7

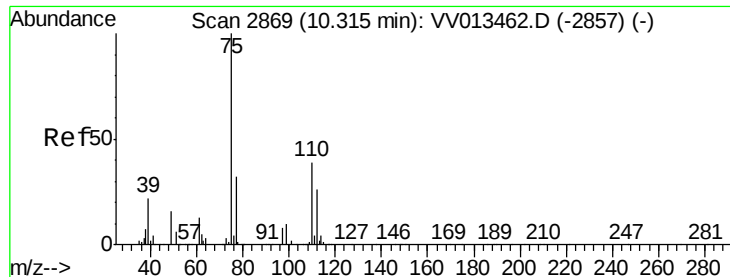


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 5.826 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV013461.D

Acq: 01 Nov 2019 10:44

Instrument :

MSVOA_V

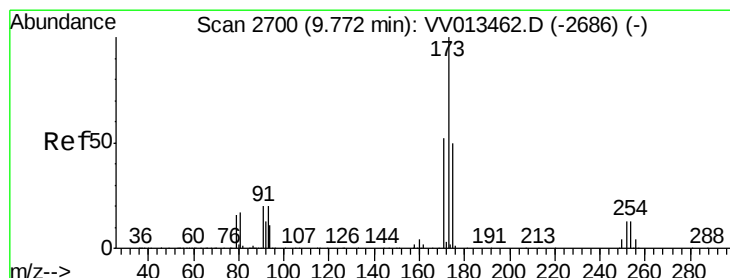
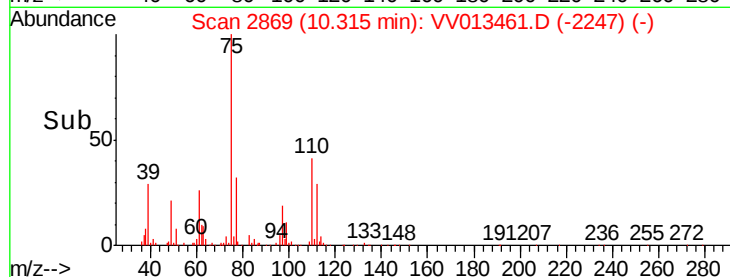
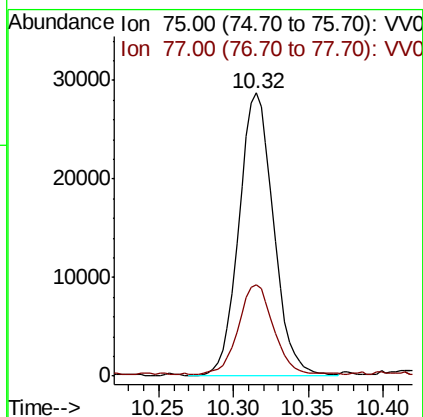
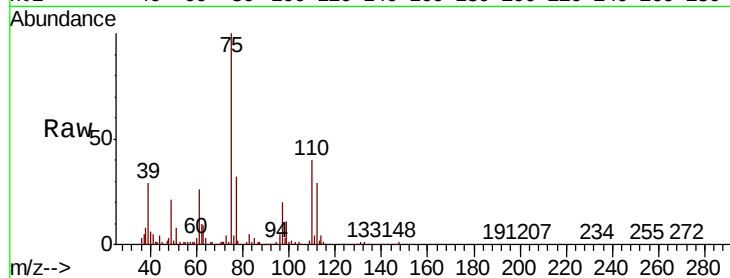
ClientSampleId :

Tot Ion: 75 Resp: 46345

Ion Ratio Lower Upper

75 100

77 32.3 25.7 38.5



#62

Bromoform

Concen: 5.507 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV013461.D

Acq: 01 Nov 2019 10:44

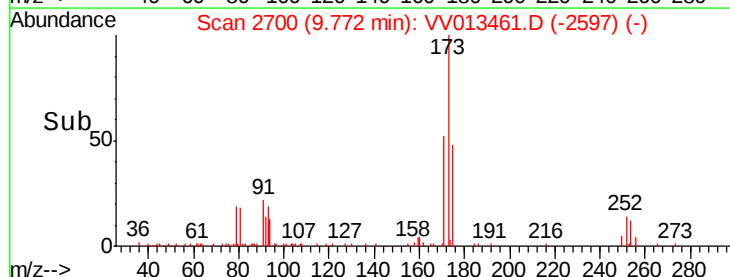
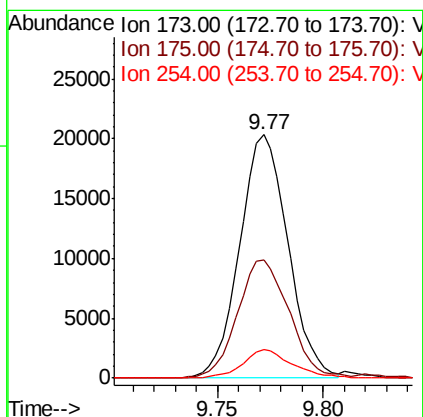
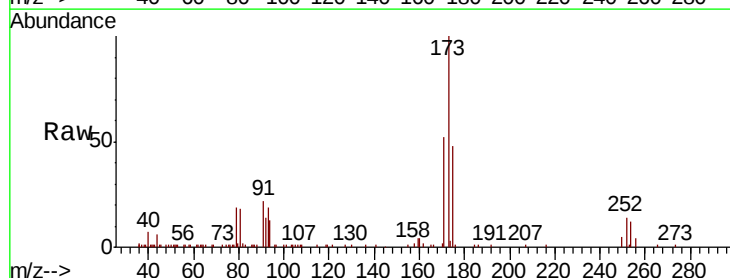
Tgt Ion: 173 Resp: 32355

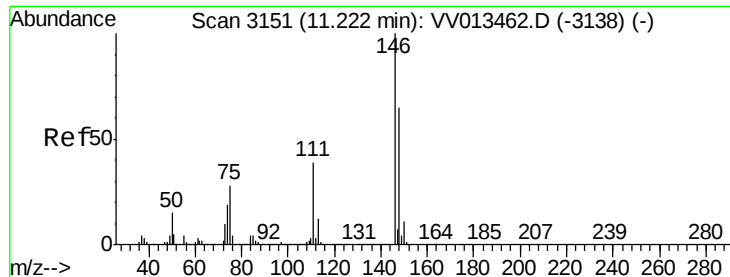
Ion Ratio Lower Upper

173 100

175 51.7 39.4 59.0

254 11.8 10.1 15.1

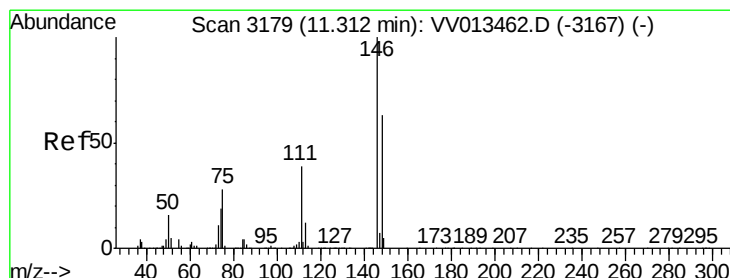
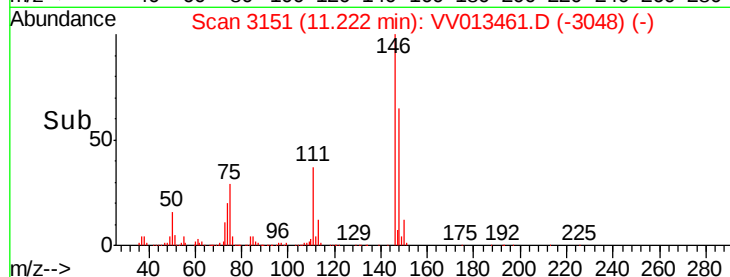
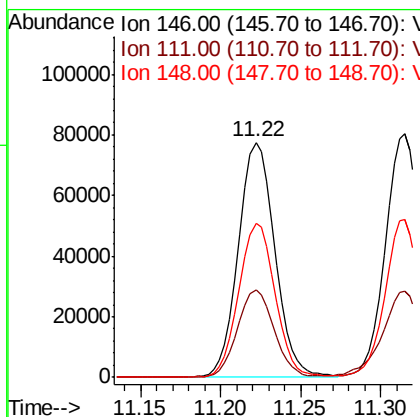
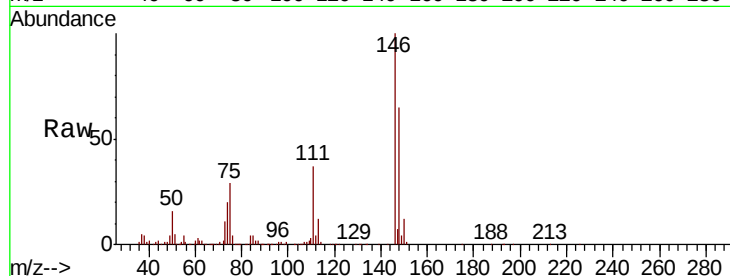




#63
 1,3-Dichlorobenzene
 Concen: 5.717 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. 0.00 min
 Lab File: VV013461.D
 Acq: 01 Nov 2019 10:44

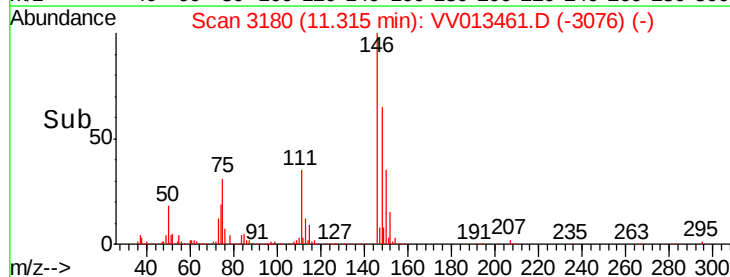
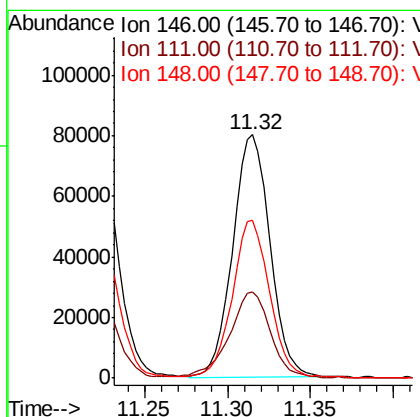
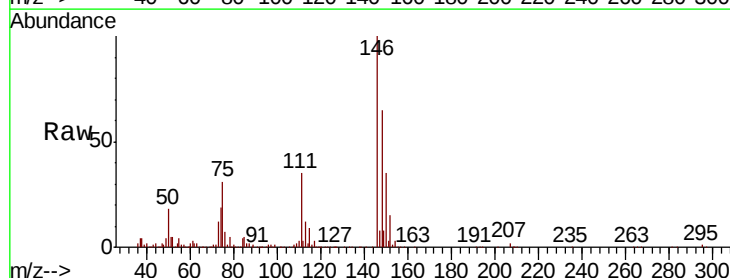
Instrument :
 MSVOA_V
 ClientSampled :

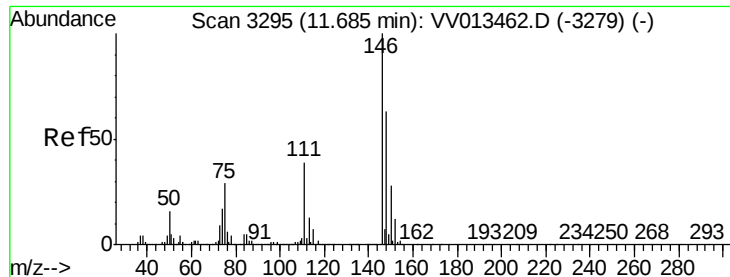
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	27.1	50.3
148	65.4	45.4	84.2



#64
 1,4-Dichlorobenzene
 Concen: 5.682 ug/L
 RT: 11.32 min Scan# 3180
 Delta R.T. 0.00 min
 Lab File: VV013461.D
 Acq: 01 Nov 2019 10:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.5	27.2	50.6
148	64.8	44.4	82.5

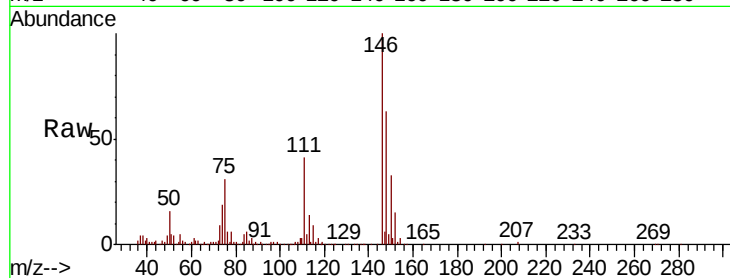




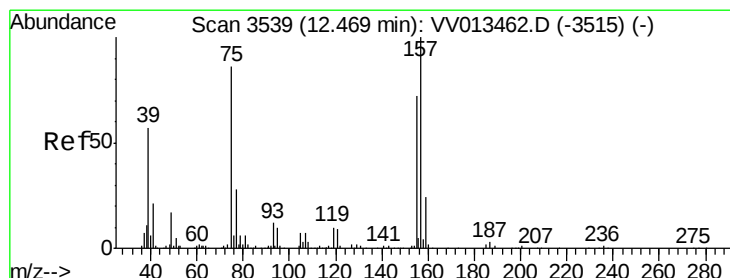
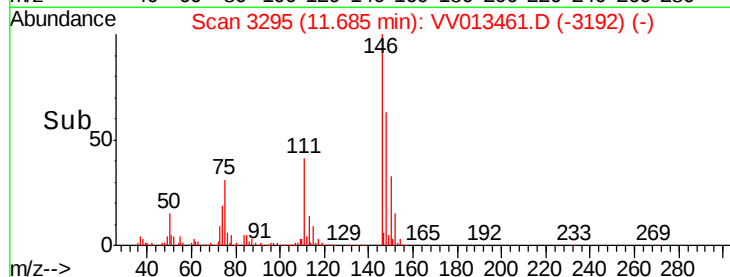
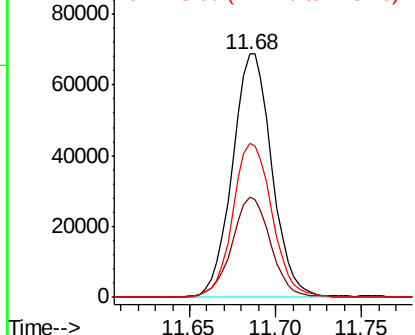
#65
 1,2-Dichlorobenzene
 Concen: 5.486 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV013461.D
 Acq: 01 Nov 2019 10:44

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	31.4	47.2
148	63.0	50.5	75.7

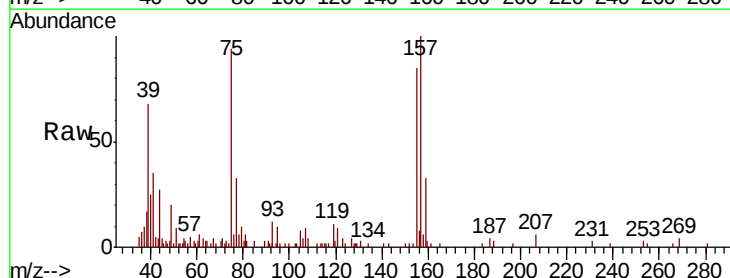


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

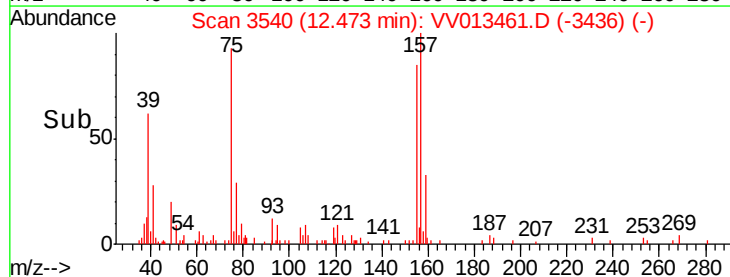
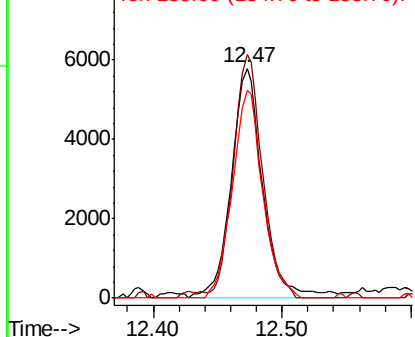


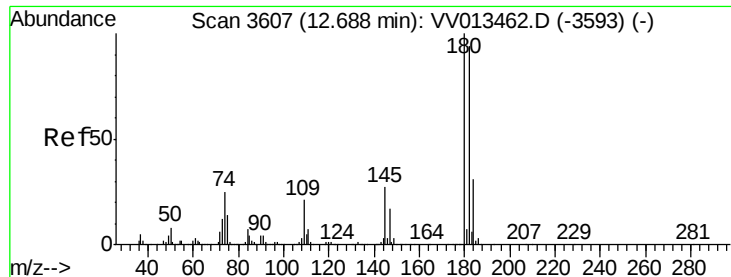
#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.611 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. 0.00 min
 Lab File: VV013461.D
 Acq: 01 Nov 2019 10:44

Tgt Ion	Ratio	Lower	Upper
75	100		
157	106.0	93.2	139.8
155	90.5	66.9	100.3



Abundance Ion 75.00 (74.70 to 75.70): VV0
 Ion 157.00 (156.70 to 157.70): V
 Ion 155.00 (154.70 to 155.70): V

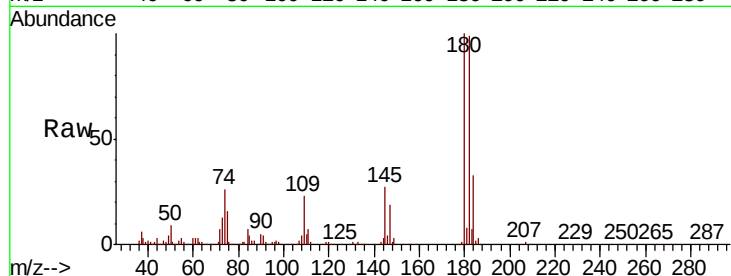




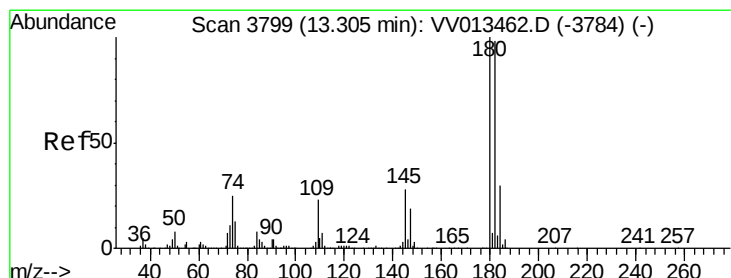
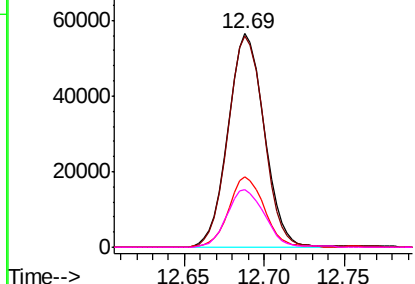
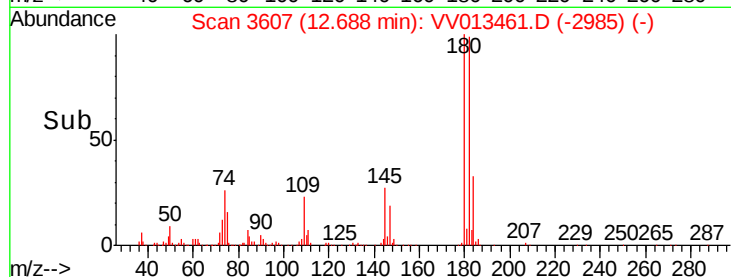
#67
 1,3,5-Trichlorobenzene
 Concen: 5.240 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV013461.D
 Acq: 01 Nov 2019 10:44

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180	Resp:	87284
Ion	Ratio	Lower Upper
180	100	
182	97.8	74.8 112.2
184	32.2	24.3 36.5
145	27.8	21.1 31.7

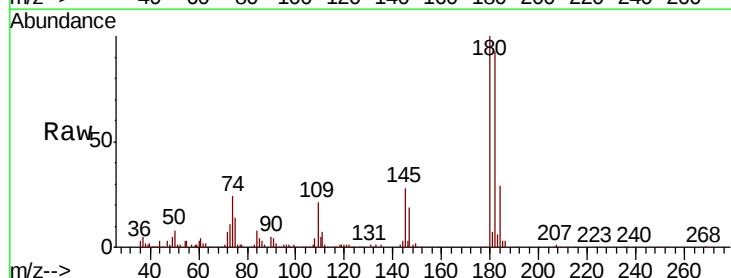


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

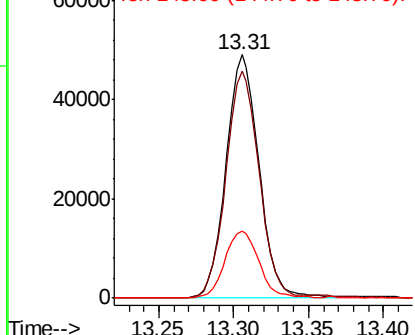
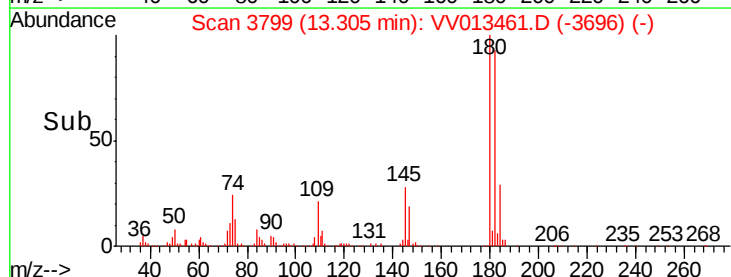


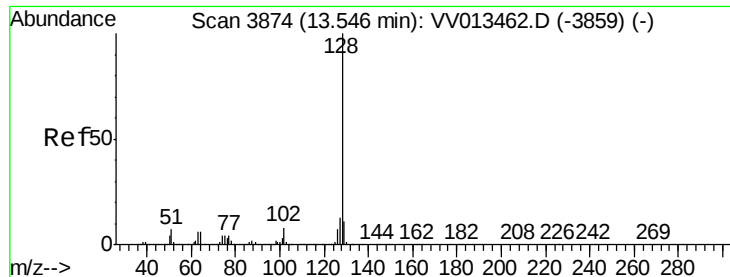
#68
 1,2,4-trichlorobenzene
 Concen: 5.266 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV013461.D
 Acq: 01 Nov 2019 10:44

Tgt Ion:180	Resp:	75491
Ion	Ratio	Lower Upper
180	100	
182	93.6	77.4 116.0
145	28.6	22.3 33.5



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





#69

Naphthalene

Concen: 4.545 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV013461.D

Acq: 01 Nov 2019 10:44

Instrument :

MSVOA_V

ClientSampleId :

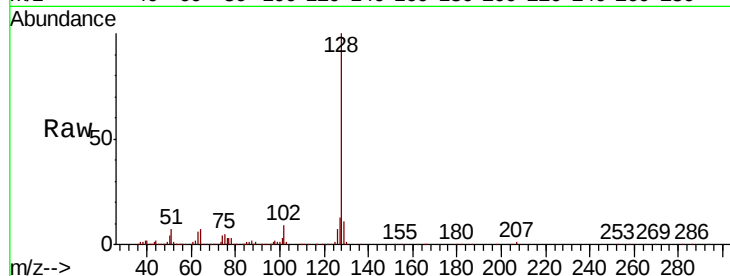
Tot Ion:128 Resp: 129070

Ion Ratio Lower Upper

128 100

129 11.5 8.6 13.0

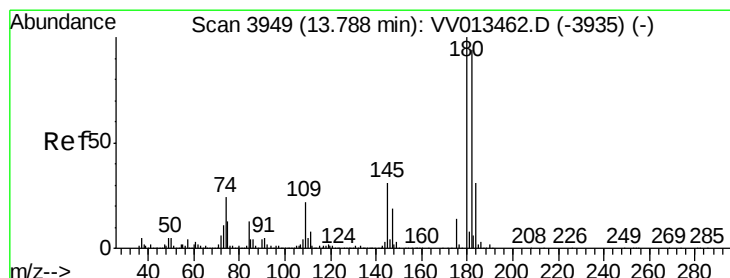
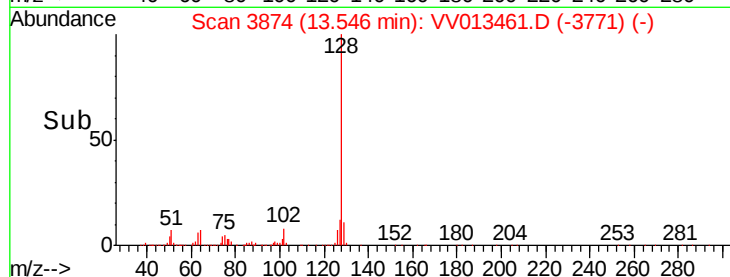
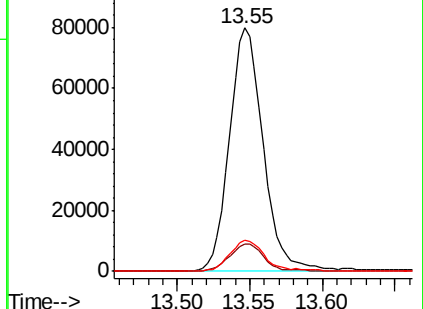
127 12.8 10.5 15.7



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: 5.117 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV013461.D

Acq: 01 Nov 2019 10:44

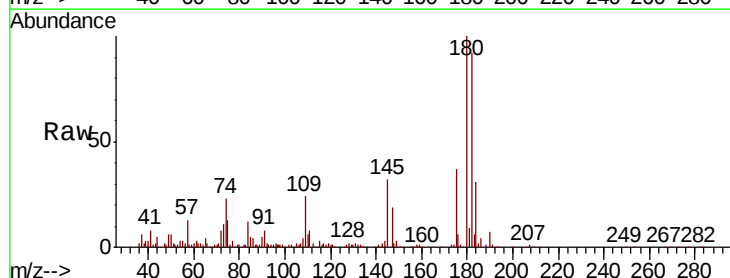
Tgt Ion:180 Resp: 70550

Ion Ratio Lower Upper

180 100

182 94.5 75.2 112.8

145 30.5 23.8 35.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

