

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV110119\
 Data File : VV013462.D
 Acq On : 01 Nov 2019 11:12
 Operator : SY/MD
 Sample : VSTD02564
 Misc : 5.00G/10.0ML/MSVOA V/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 02 03:16:28 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	727133	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	703200	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	383070	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	265060	23.83	ug/L	0.00
7) Chloroethane-d5	1.58	69	194707	22.06	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	443248	23.95	ug/L	0.00
20) 2-Butanone-d5	3.94	46	231955	58.82	ug/L	0.00
24) Chloroform-d	4.40	84	505151	25.11	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	287478	24.72	ug/L	0.00
29) Benzene-d6	5.09	84	1029585	25.97	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.11	67	314477	25.29	ug/L	0.00
37) Toluene-d8	7.36	98	939890	26.28	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.66	79	133504	25.51	ug/L	0.00
39) 2-Hexanone-d5	8.13	63	136052	55.04	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	276334	23.99	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	361231	24.22	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	272084	33.248	ug/L 100
3) Chloromethane	1.25	50	288295	27.791	ug/L 100
5) Vinyl chloride	1.32	62	285371	27.922	ug/L 100
6) Bromomethane	1.54	94	146162	23.706	ug/L 100
8) Chloroethane	1.60	64	156120	25.517	ug/L 100
9) Trichlorofluoromethane	1.77	101	381013	27.450	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	233686	26.427	ug/L 100
12) 1,1-Dichloroethene	2.14	96	221487	27.067	ug/L 100
13) Acetone	2.21	43	227572	56.455	ug/L 100
14) Carbon disulfide	2.32	76	869117	31.797	ug/L 100
15) Methyl Acetate	2.46	43	214279	32.473	ug/L 100
16) Methylene chloride	2.53	84	303456	27.475	ug/L 100
17) Methyl tert-butyl Ether	2.80	73	712211	29.041	ug/L 100
18) trans-1,2-Dichloroethene	2.79	96	293145	29.379	ug/L 100
19) 1,1-Dichloroethane	3.23	63	535240	29.399	ug/L 100
21) 2-Butanone	4.03	43	282923	59.227	ug/L 100
22) cis-1,2-Dichloroethene	3.96	96	306341	28.339	ug/L 100
23) Bromochloromethane	4.29	128	148113	27.863	ug/L 100
25) Chloroform	4.42	83	534394	28.185	ug/L 100
27) 1,2-Dichloroethane	5.17	62	380567	28.510	ug/L 100
30) Cyclohexane	4.72	56	505629	32.154	ug/L 100
31) 1,1,1-Trichloroethane	4.65	97	451943	31.120	ug/L 100
32) Carbon tetrachloride	4.87	117	407744	30.976	ug/L 100
34) Benzene	5.14	78	1183401	29.587	ug/L 100
35) Trichloroethene	5.96	95	315206	28.420	ug/L 100
36) Methylcyclohexane	6.17	83	520732	30.412	ug/L 100
40) 1,2-Dichloropropane	6.22	63	298228	28.811	ug/L 100
41) Bromodichloromethane	6.55	83	373209	28.192	ug/L 100
42) cis-1,3-Dichloropropene	7.07	75	432319	28.624	ug/L 100
43) 4-Methyl-2-pentanone	7.27	43	549807	64.218	ug/L 100

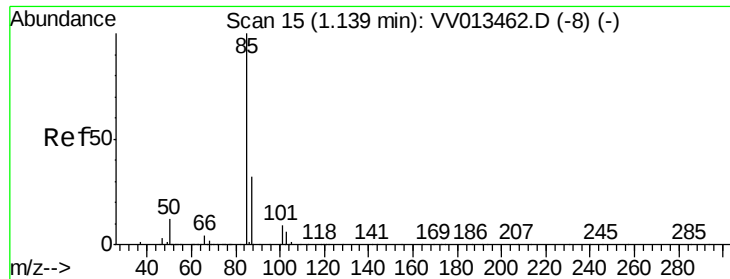
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV110119\
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 Quant Title : VOC Analysis
 QLast Update : Sat Nov 02 03:13:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	7.43	91	1237551	29.577	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	377550	29.381	ug/L	100
46) 1,1,2-Trichloroethane	7.88	97	234280	27.114	ug/L	100
47) Tetrachloroethene	8.02	164	270532	29.647	ug/L	100
49) 2-Hexanone	8.18	43	408880	64.328	ug/L	100
50) Dibromochloromethane	8.29	129	282684	28.156	ug/L	100
51) 1,2-Dibromoethane	8.39	107	243402	28.506	ug/L	100
52) Chlorobenzene	8.92	112	809038	27.994	ug/L	100
53) Ethylbenzene	9.05	91	1387162	29.887	ug/L	100
54) m,p-Xylene	9.18	106	527236	30.003	ug/L	100
55) o-xylene	9.58	106	481840	29.021	ug/L	100
56) Styrene	9.60	104	856315	29.359	ug/L	100
57) Isopropylbenzene	9.97	105	1356797	30.669	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	294223	27.574	ug/L	100
59) 1,2,3-Trichloropropane	10.31	75	251159	28.393	ug/L	100
62) Bromoform	9.77	173	193458	29.137	ug/L	100
63) 1,3-Dichlorobenzene	11.22	146	674155	28.190	ug/L	100
64) 1,4-Dichlorobenzene	11.31	146	668210	26.797	ug/L	100
65) 1,2-Dichlorobenzene	11.68	146	625455	27.603	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	55512	28.052	ug/L	100
67) 1,3,5-Trichlorobenzene	12.69	180	537286	28.540	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	435051	26.851	ug/L	100
69) Naphthalene	13.55	128	895975	27.919	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	429686	27.578	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 33.248 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV013462.D

Acq: 01 Nov 2019 11:12

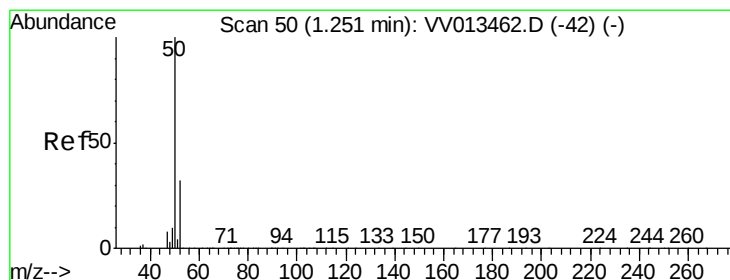
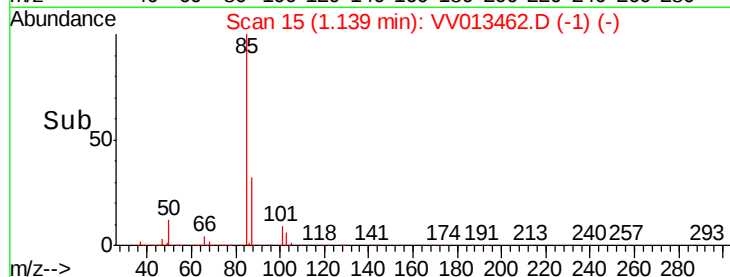
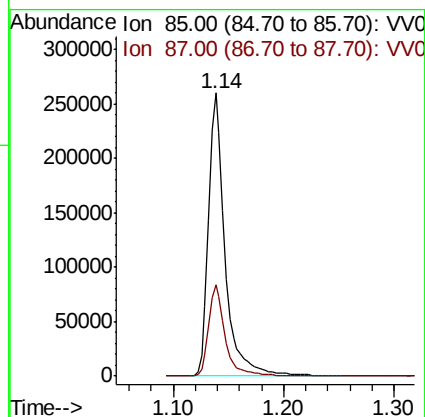
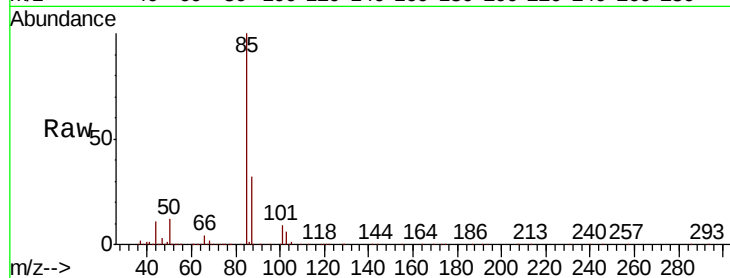
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 272084

Ion Ratio Lower Upper

85 100

87 31.7 22.2 41.2



#3

Chloromethane

Concen: 27.791 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV013462.D

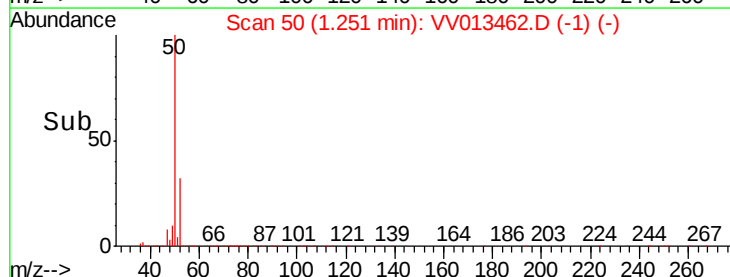
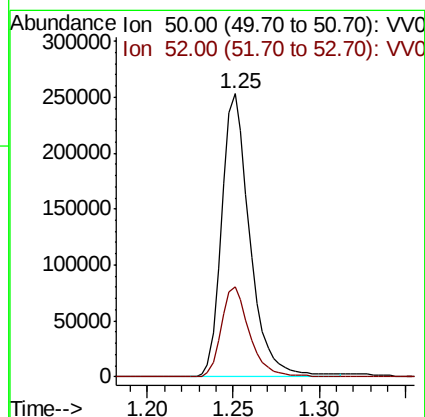
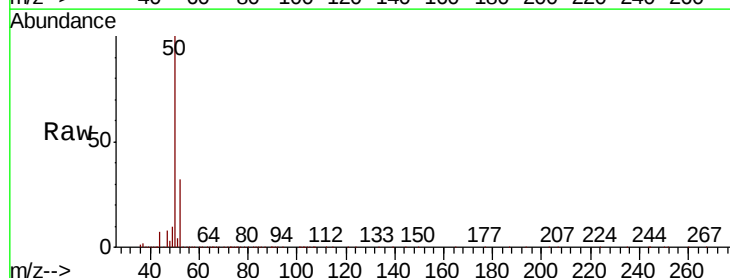
Acq: 01 Nov 2019 11:12

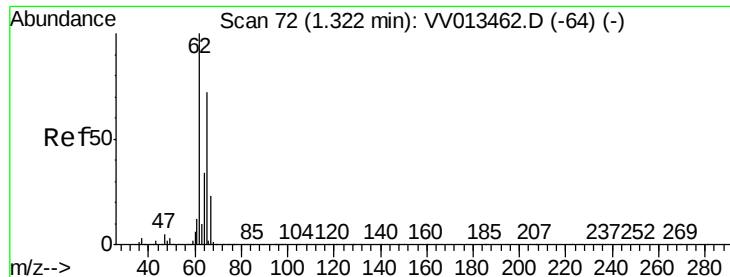
Tgt Ion: 50 Resp: 288295

Ion Ratio Lower Upper

50 100

52 31.7 22.2 41.2





#5

Vinyl chloride

Concen: 27.922 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV013462.D

Acq: 01 Nov 2019 11:12

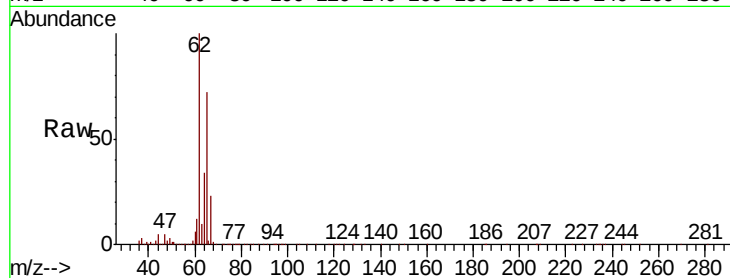
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 285371

Ion Ratio Lower Upper

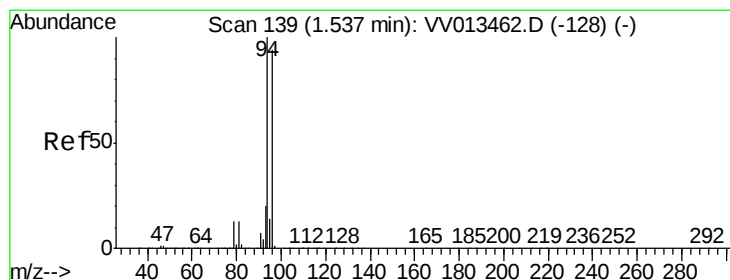
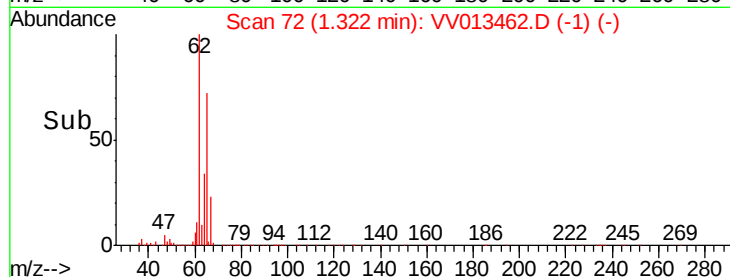
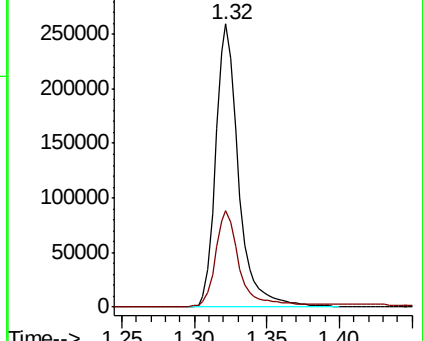
62 100

64 34.0 23.8 44.2



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 23.706 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV013462.D

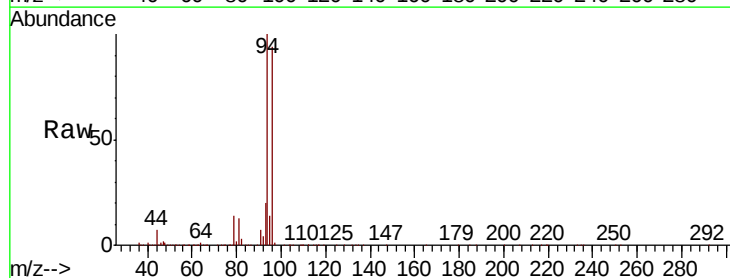
Acq: 01 Nov 2019 11:12

Tgt Ion: 94 Resp: 146162

Ion Ratio Lower Upper

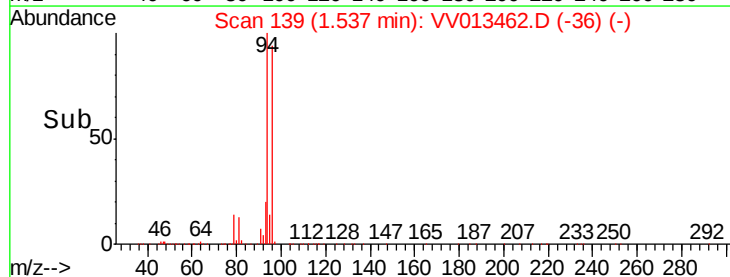
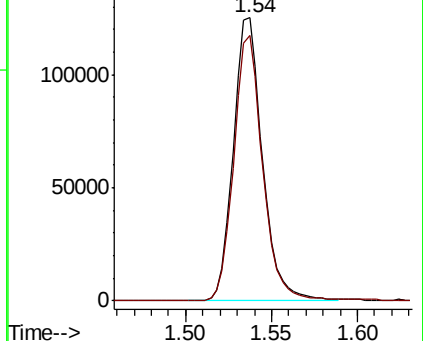
94 100

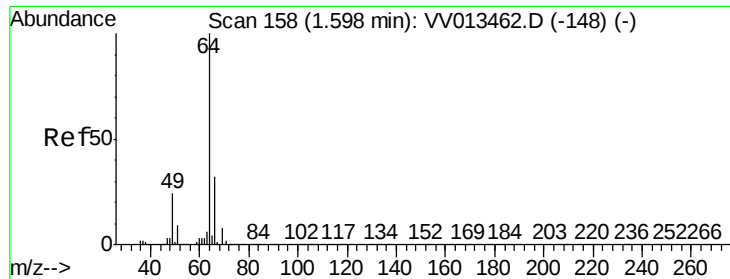
96 93.6 9.4 177.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

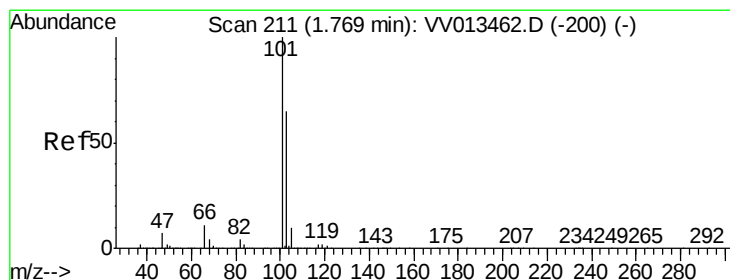
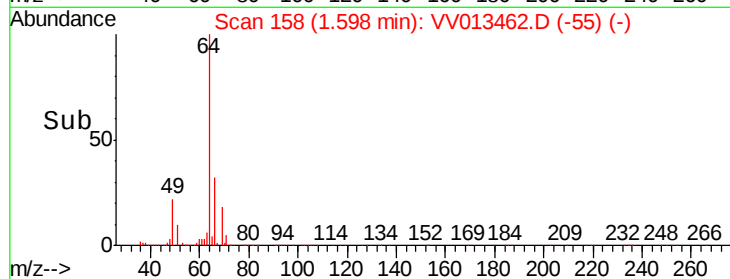
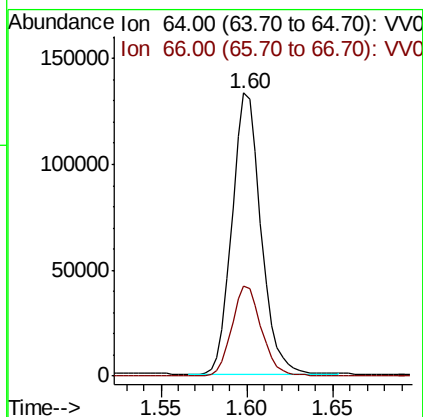
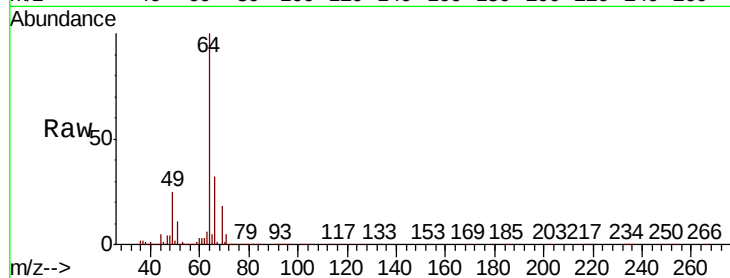




#8
Chloroethane
Concen: 25.517 ug/L
RT: 1.60 min Scan# 158
Delta R.T. 0.00 min
Lab File: VV013462.D
Acq: 01 Nov 2019 11:12

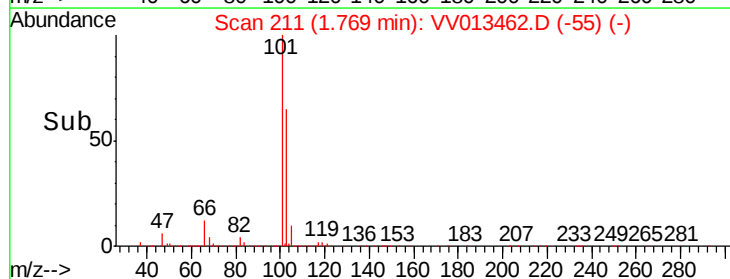
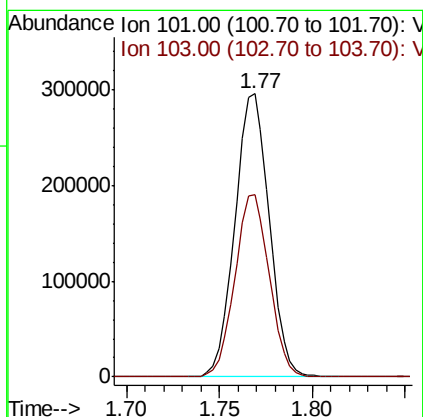
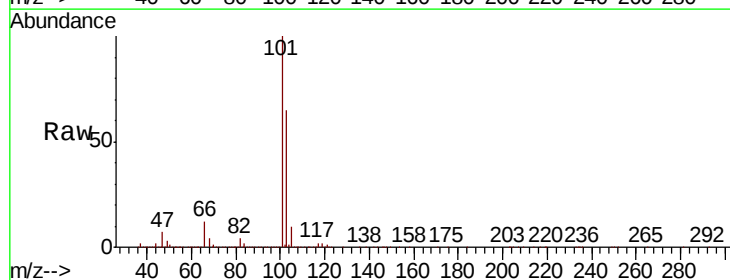
Instrument :
MSVOA_V
ClientSampleId :

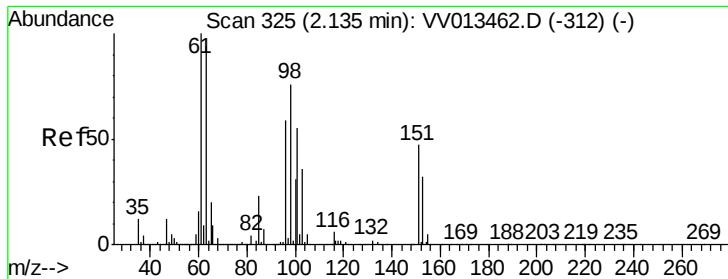
Tot Ion: 64 Resp: 156120
Ion Ratio Lower Upper
64 100
66 31.8 22.3 41.3



#9
Trichlorofluoromethane
Concen: 27.450 ug/L
RT: 1.77 min Scan# 211
Delta R.T. 0.00 min
Lab File: VV013462.D
Acq: 01 Nov 2019 11:12

Tgt Ion: 101 Resp: 381013
Ion Ratio Lower Upper
101 100
103 64.5 45.1 83.9





#11

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

Concen: 26.427 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV013462.D

Acq: 01 Nov 2019 11:12

Instrument :
MSVOA_V
ClientSampleId :

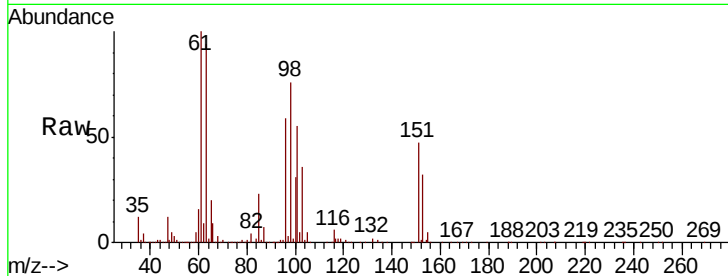
Tot Ion:101 Resp: 233686

Ion Ratio Lower Upper

101 100

85 41.4 33.1 49.7

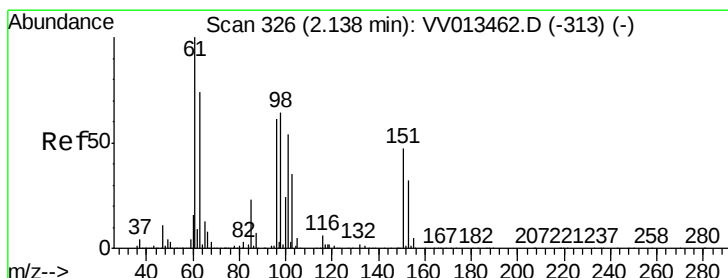
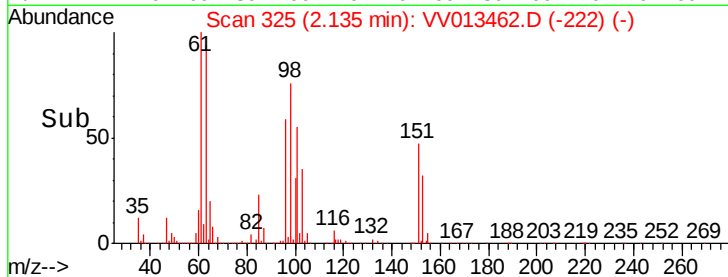
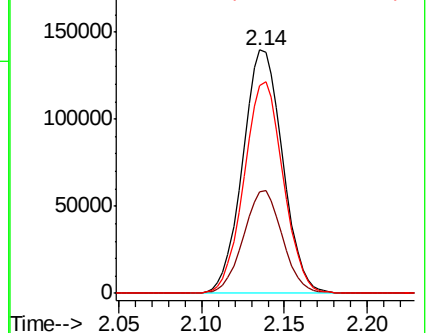
151 85.4 68.3 102.5



Abundance Ion 101.00 (100.70 to 101.70): VV013462.D (-312) (-)

Ion 85.00 (84.70 to 85.70): VV013462.D (-312) (-)

Ion 151.00 (150.70 to 151.70): VV013462.D (-312) (-)



#12

1,1-Dichloroethene

Concen: 27.067 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV013462.D

Acq: 01 Nov 2019 11:12

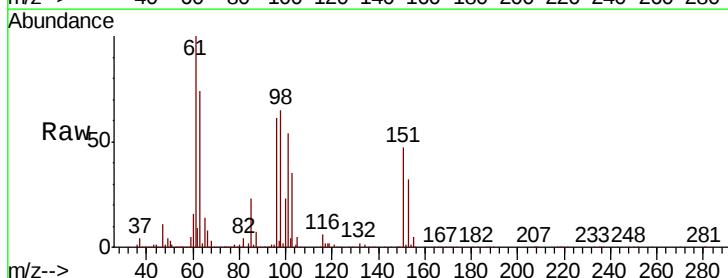
Tgt Ion: 96 Resp: 221487

Ion Ratio Lower Upper

96 100

61 163.8 114.7 212.9

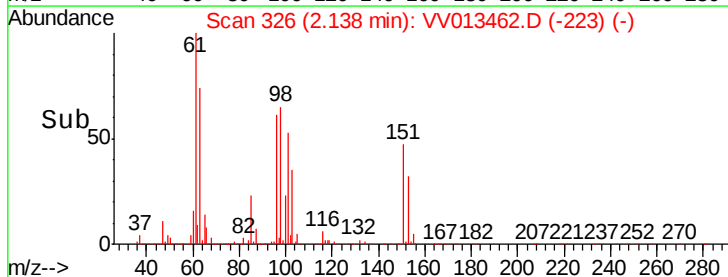
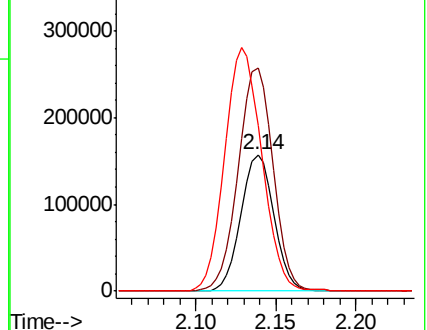
63 121.0 84.7 157.3

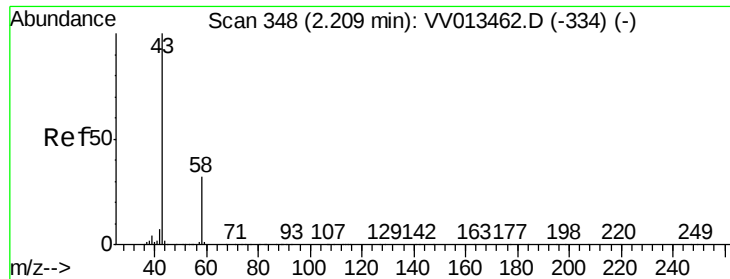


Abundance Ion 96.00 (95.70 to 96.70): VV013462.D (-313) (-)

Ion 61.00 (60.70 to 61.70): VV013462.D (-313) (-)

Ion 63.00 (62.70 to 63.70): VV013462.D (-313) (-)





#13

Acetone

Concen: 56.455 ug/L

RT: 2.21 min Scan# 348

Delta R.T. 0.00 min

Lab File: VV013462.D

Acq: 01 Nov 2019 11:12

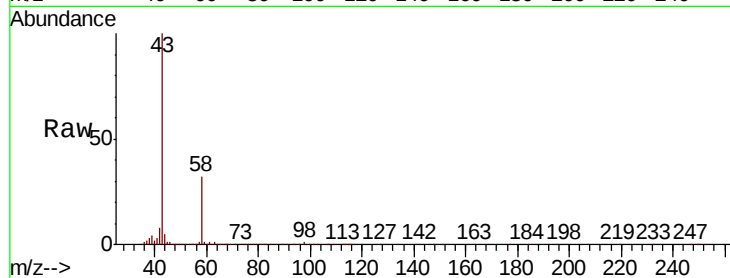
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 227572

Ion Ratio Lower Upper

43 100

58 31.6 0.0 63.2



Abundance Ion 43.00 (42.70 to 43.70): VV013462.D (-334) (-)

Ion 58.00 (57.70 to 58.70): VV013462.D (-334) (-)

2.21

100000

80000

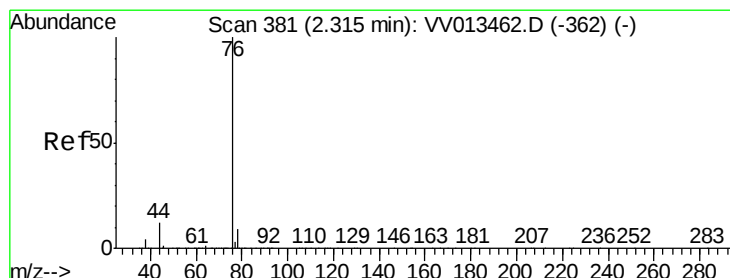
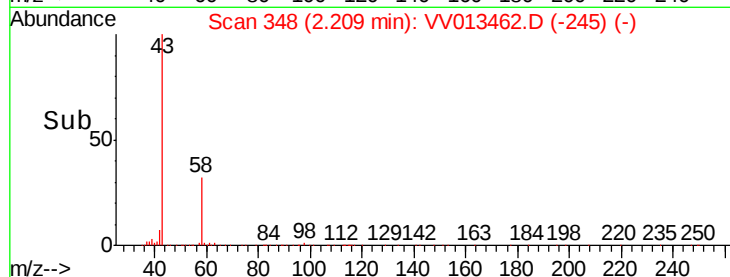
60000

40000

20000

0

Time--> 2.10 2.20 2.30



#14

Carbon disulfide

Concen: 31.797 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV013462.D

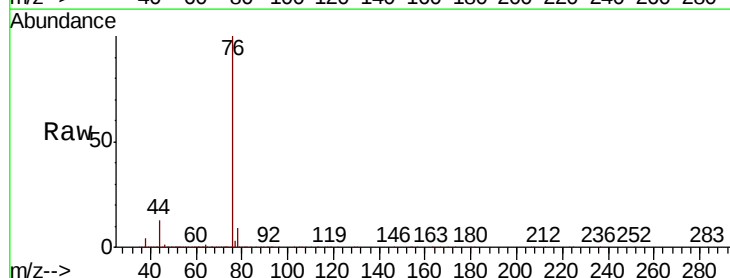
Acq: 01 Nov 2019 11:12

Tgt Ion: 76 Resp: 869117

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VV013462.D (-362) (-)

Ion 78.00 (77.70 to 78.70): VV013462.D (-362) (-)

2.32

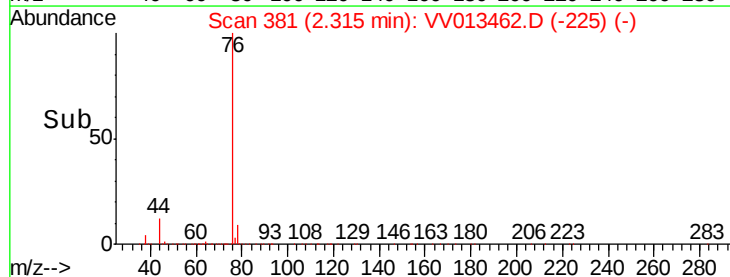
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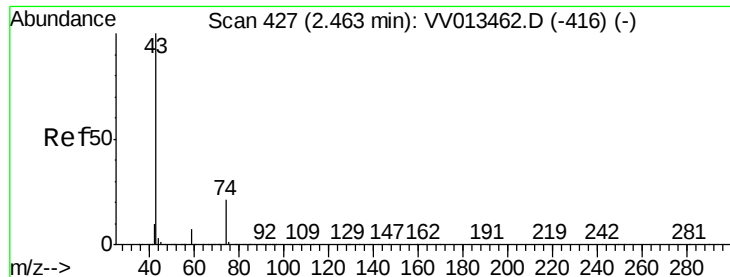
400000

200000

0

Time--> 2.20 2.30 2.40

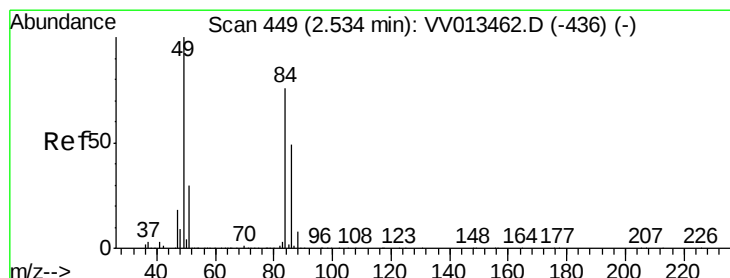
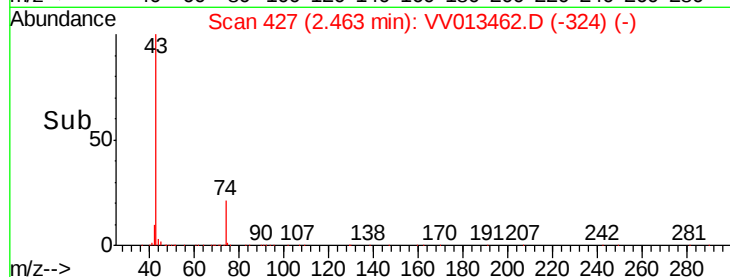
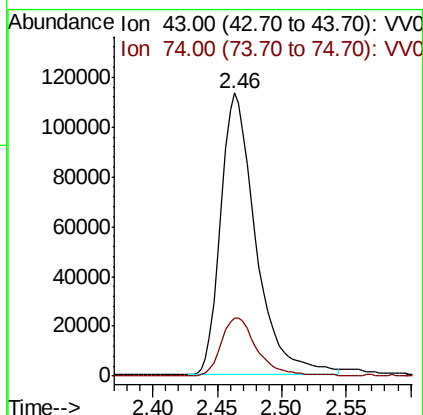
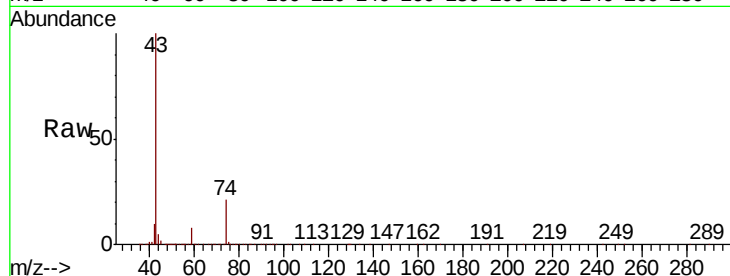




#15
Methyl Acetate
Concen: 32.473 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VV013462.D
Acq: 01 Nov 2019 11:12

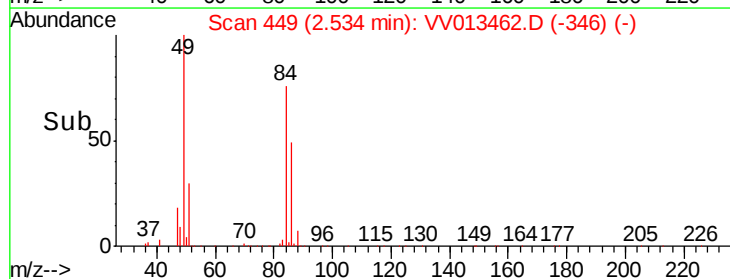
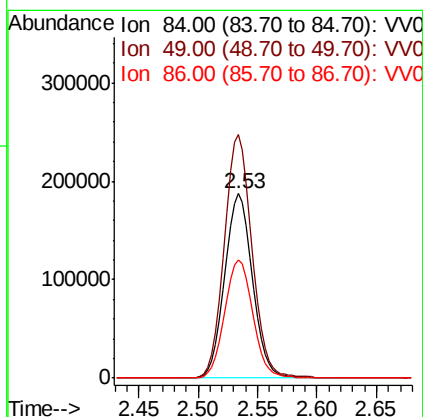
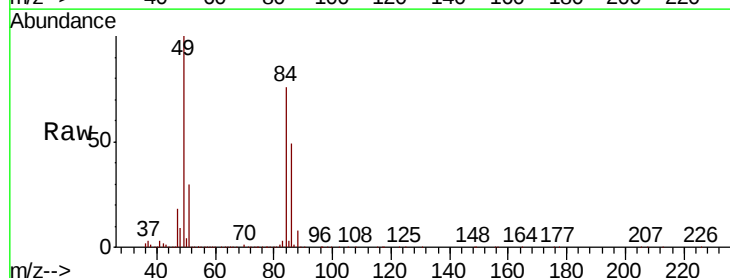
Instrument :
MSVOA_V
ClientSampled :

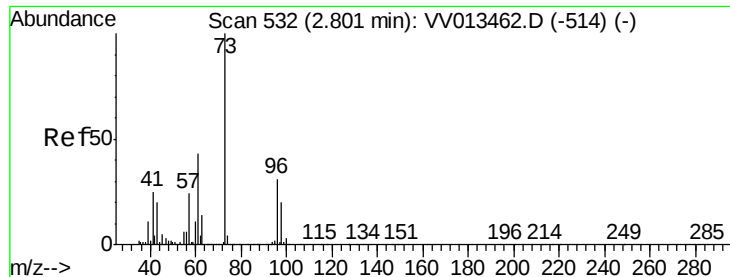
Tot Ion: 43 Resp: 214279
Ion Ratio Lower Upper
43 100
74 21.1 16.9 25.3



#16
Methylene chloride
Concen: 27.475 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV013462.D
Acq: 01 Nov 2019 11:12

Tgt Ion: 84 Resp: 303456
Ion Ratio Lower Upper
84 100
49 132.0 92.4 171.6
86 64.4 45.1 83.7

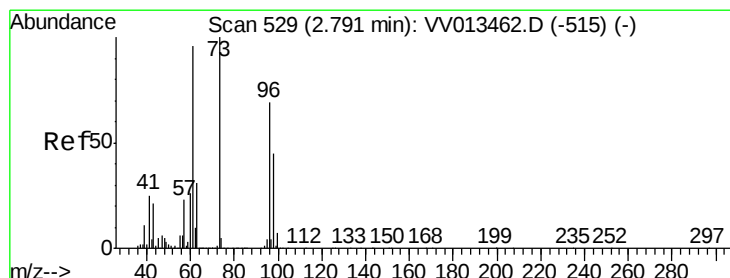
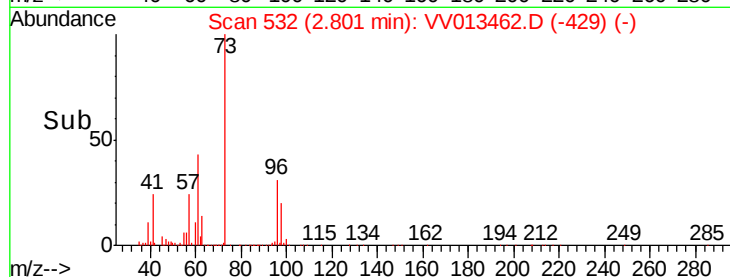
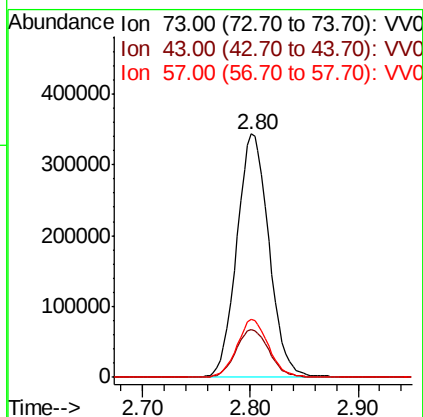
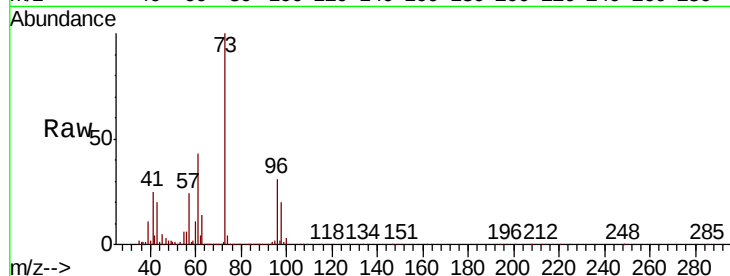




#17
Methvl tert-butvl Ether
Concen: 29.041 ug/L
RT: 2.80 min Scan# 532
Delta R.T. 0.00 min
Lab File: VV013462.D
Acq: 01 Nov 2019 11:12

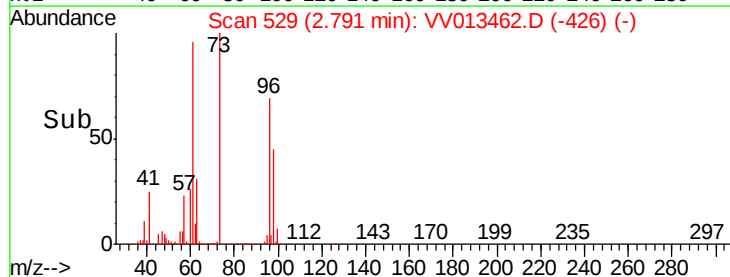
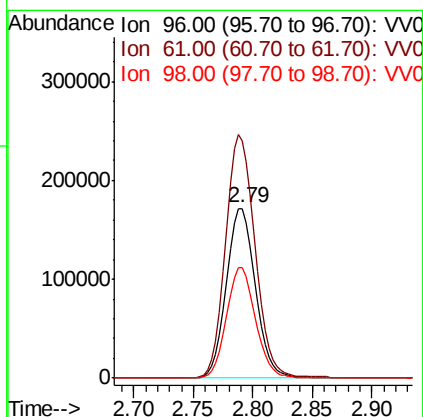
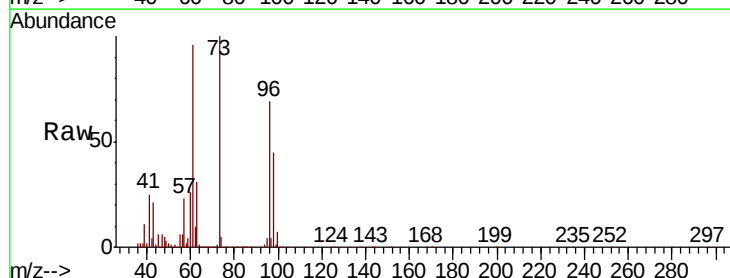
Instrument :
MSVOA_V
ClientSampleId :

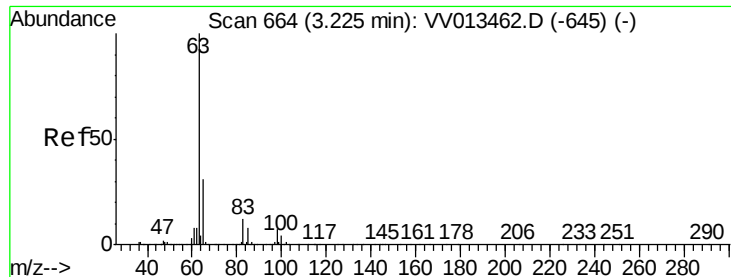
Tot Ion: 73 Resp: 712211
Ion Ratio Lower Upper
73 100
43 20.2 16.2 24.2
57 23.2 18.6 27.8



#18
trans-1,2-Dichloroethene
Concen: 29.379 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV013462.D
Acq: 01 Nov 2019 11:12

Tgt Ion: 96 Resp: 293145
Ion Ratio Lower Upper
96 100
61 140.0 98.0 182.0
98 65.2 45.6 84.8

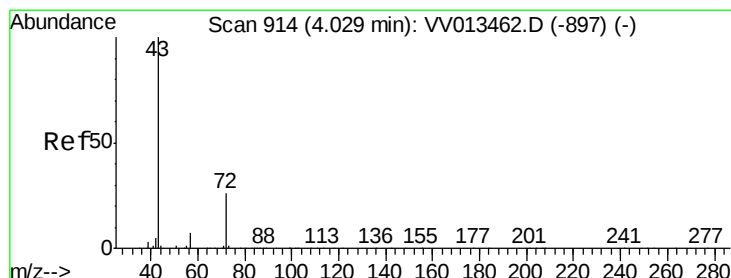
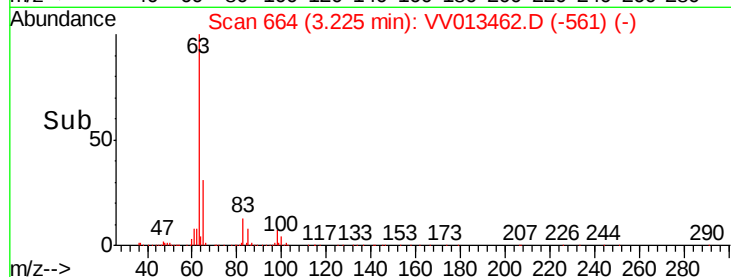
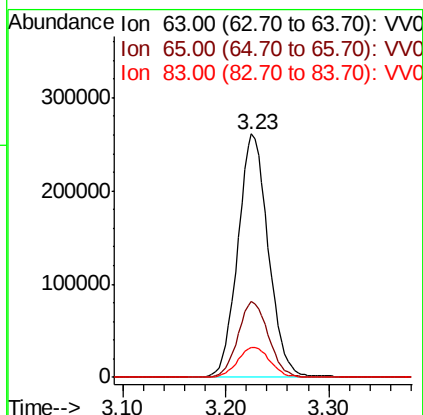
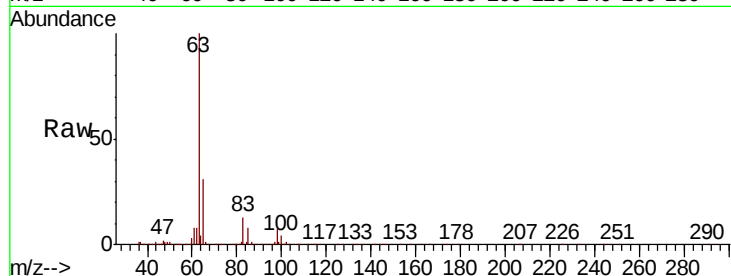




#19
 1,1-Dichloroethane
 Concen: 29.399 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. 0.00 min
 Lab File: VV013462.D
 Acq: 01 Nov 2019 11:12

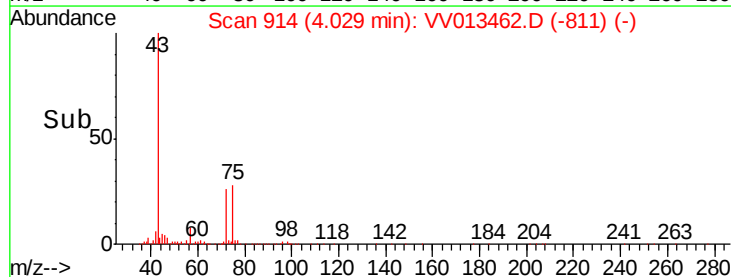
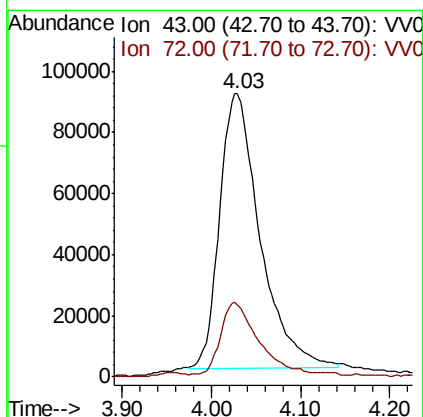
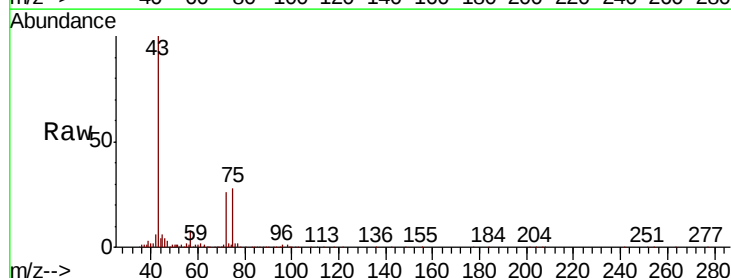
Instrument :
 MSVOA_V
 ClientSampleId :

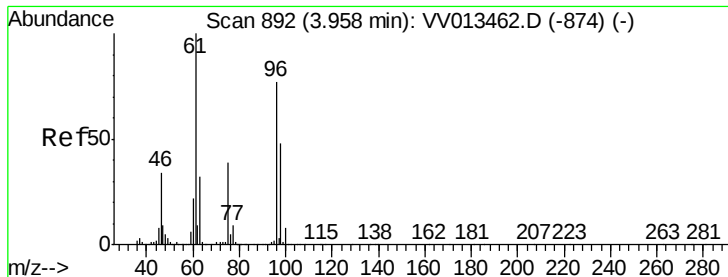
Tot Ion: 63 Resp: 535240
 Ion Ratio Lower Upper
 63 100
 65 31.0 21.7 40.3
 83 12.5 8.8 16.3



#21
 2-Butanone
 Concen: 59.227 ug/L
 RT: 4.03 min Scan# 914
 Delta R.T. 0.00 min
 Lab File: VV013462.D
 Acq: 01 Nov 2019 11:12

Tgt Ion: 43 Resp: 282923
 Ion Ratio Lower Upper
 43 100
 72 24.2 12.1 36.3



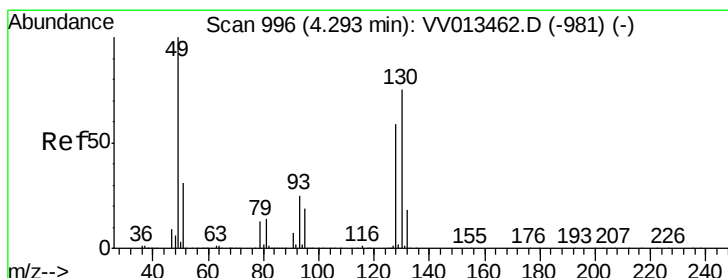
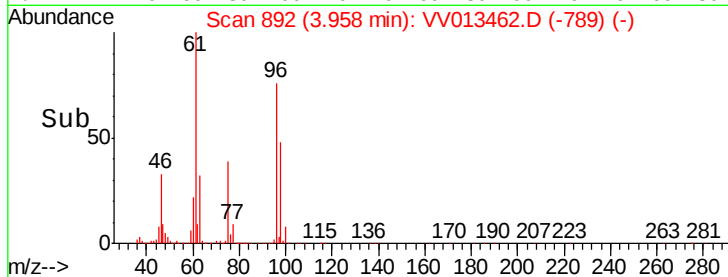
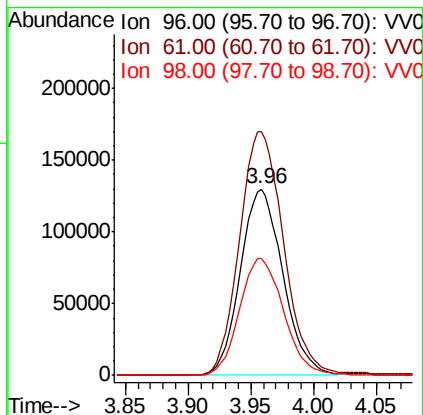
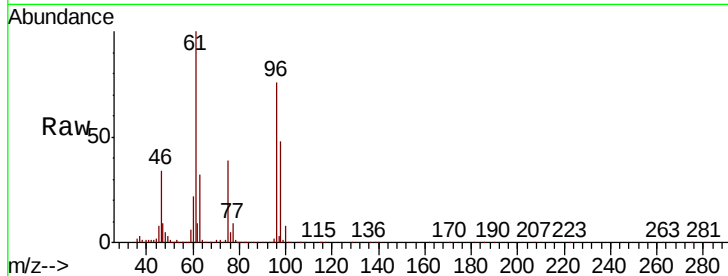


#22

cis-1,2-Dichloroethene
Concen: 28.339 ug/L
RT: 3.96 min Scan# 892
Delta R.T. 0.00 min
Lab File: VV013462.D
Acq: 01 Nov 2019 11:12

Instrument :
MSVOA_V
ClientSampled :

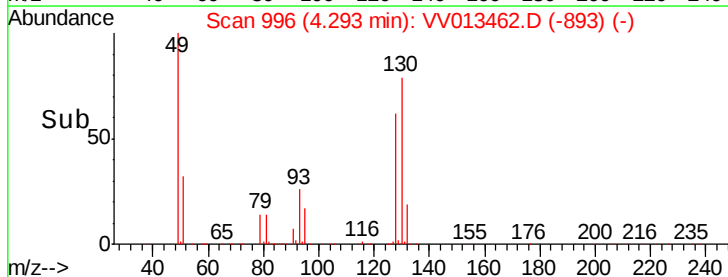
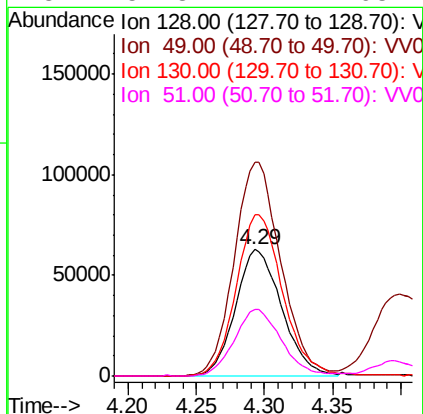
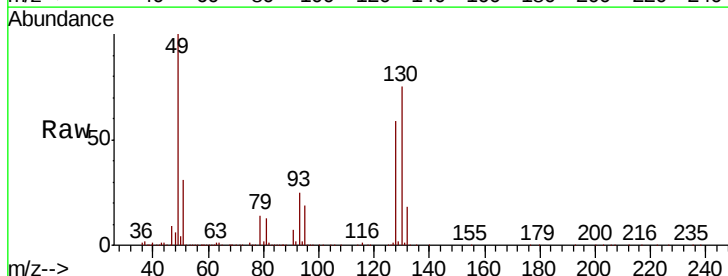
Tot Ion	Ratio	Lower	Upper
96	100		
61	130.7	91.5	169.9
98	62.5	43.8	81.3

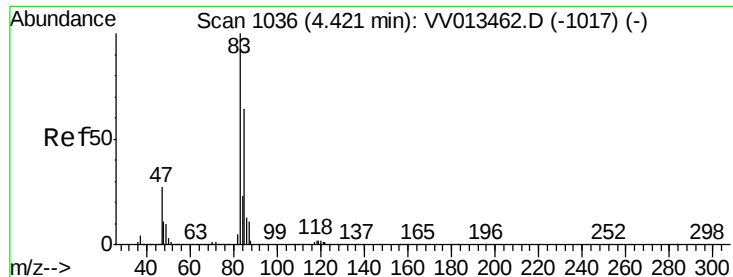


#23

Bromochloromethane
Concen: 27.863 ug/L
RT: 4.29 min Scan# 996
Delta R.T. 0.00 min
Lab File: VV013462.D
Acq: 01 Nov 2019 11:12

Tgt Ion	Ratio	Lower	Upper
128	100		
49	168.8	118.2	219.4
130	127.2	89.0	165.4
51	52.8	42.2	63.4

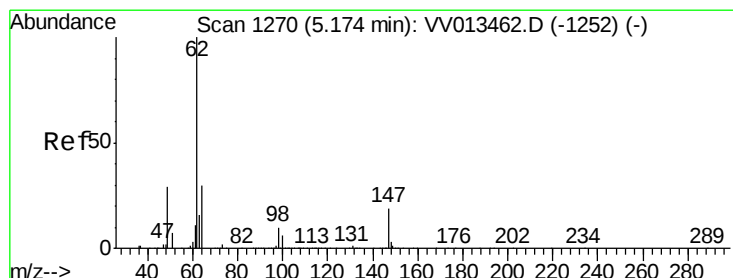
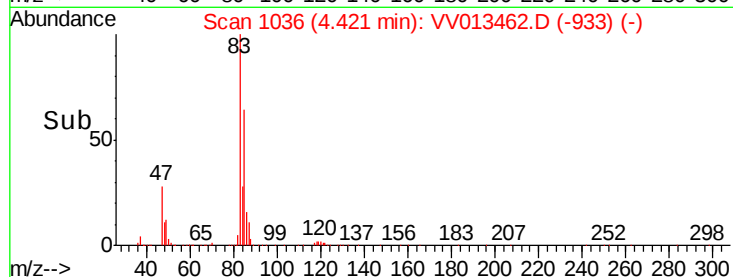
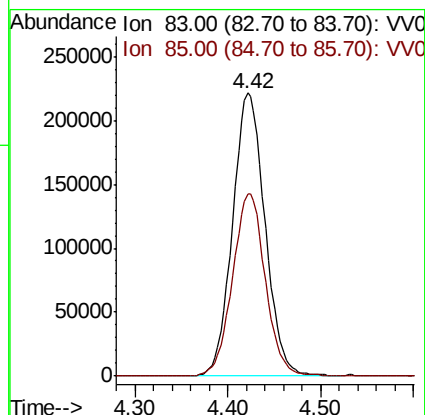
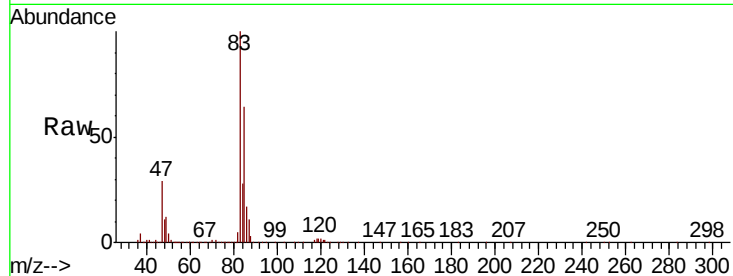




#25
Chloroform
Concen: 28.185 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VV013462.D
Acq: 01 Nov 2019 11:12

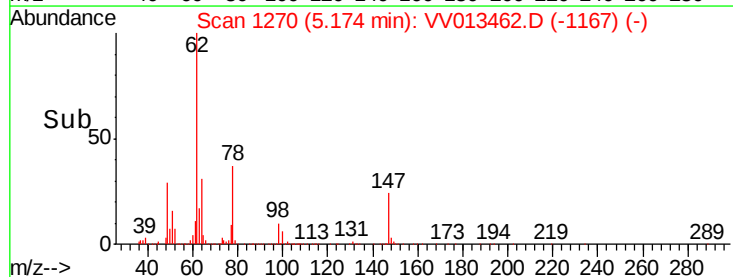
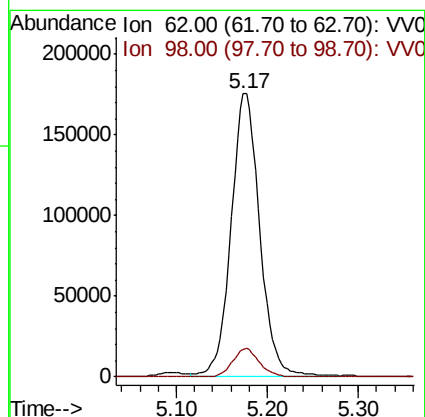
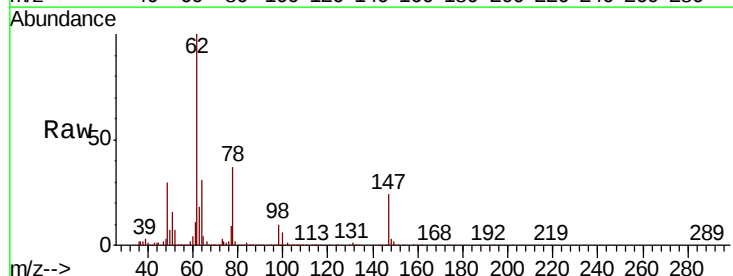
Instrument :
MSVOA_V
ClientSampleId :

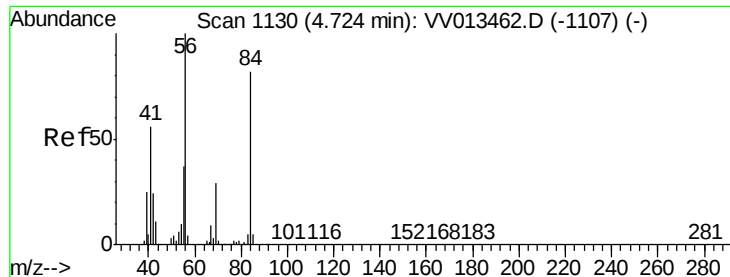
Tot Ion: 83 Resp: 534394
Ion Ratio Lower Upper
83 100
85 65.4 45.8 85.0



#27
1,2-Dichloroethane
Concen: 28.510 ug/L
RT: 5.17 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VV013462.D
Acq: 01 Nov 2019 11:12

Tgt Ion: 62 Resp: 380567
Ion Ratio Lower Upper
62 100
98 9.7 7.8 11.6

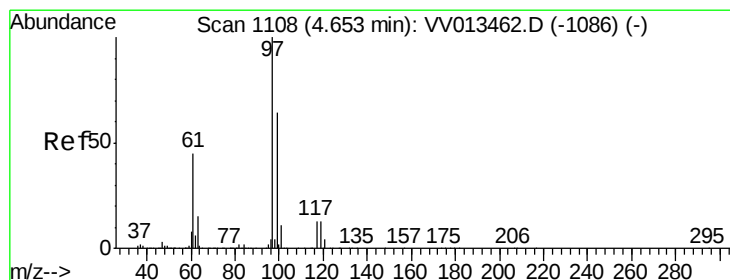
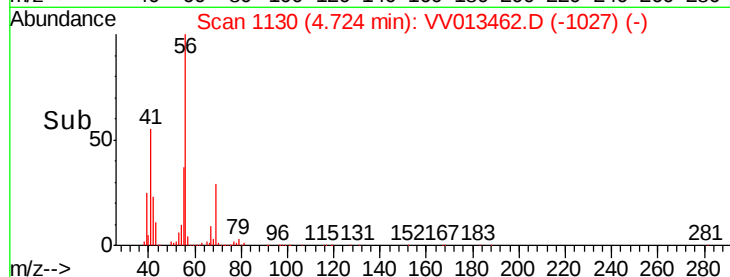
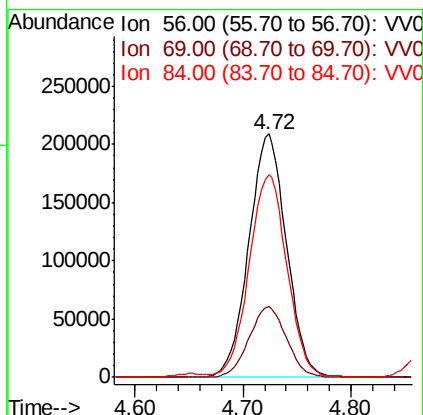
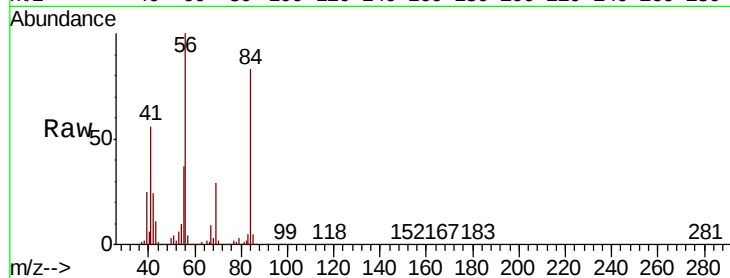




#30
Cyclohexane
Concen: 32.154 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. 0.00 min
Lab File: VV013462.D
Acq: 01 Nov 2019 11:12

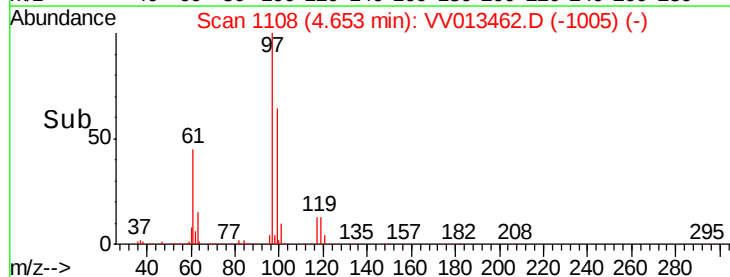
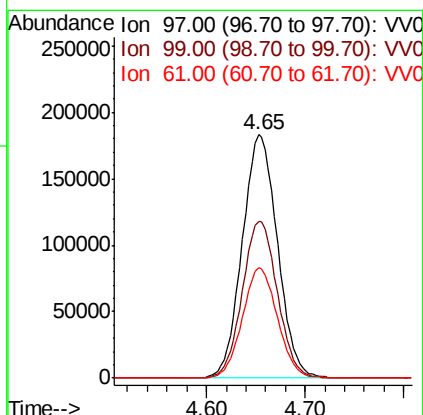
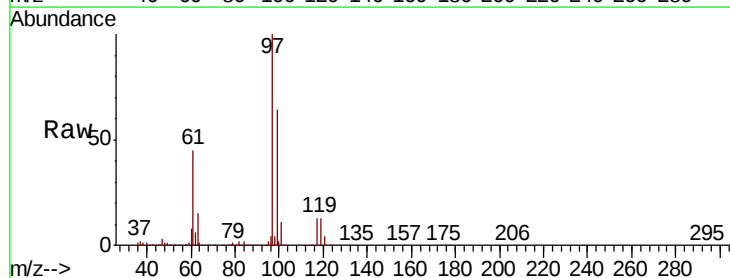
Instrument :
MSVOA_V
ClientSampled :

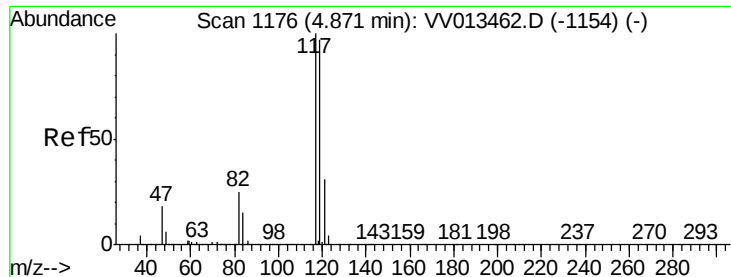
Tot Ion	Ratio	Lower	Upper
56	100		
69	28.8	23.0	34.6
84	82.8	66.2	99.4



#31
1,1,1-Trichloroethane
Concen: 31.120 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VV013462.D
Acq: 01 Nov 2019 11:12

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.1	76.7
61	45.4	36.3	54.5





#32

Carbon tetrachloride

Concen: 30.976 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VV013462.D

Acq: 01 Nov 2019 11:12

Instrument :

MSVOA_V

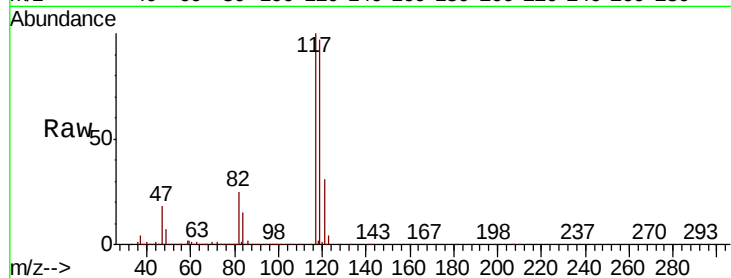
ClientSampleId :

Tot Ion:117 Resp: 407744

Ion Ratio Lower Upper

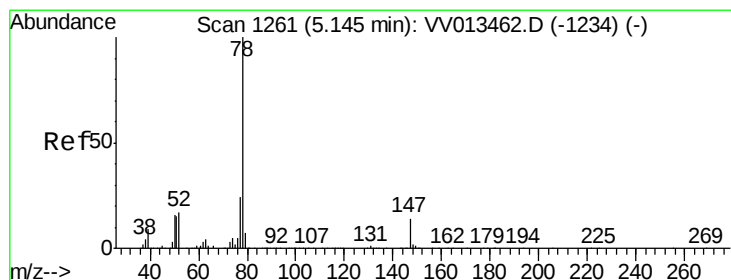
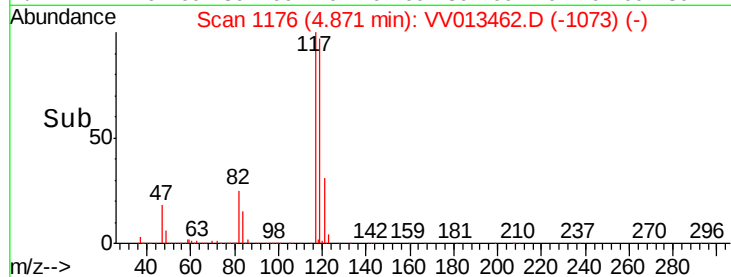
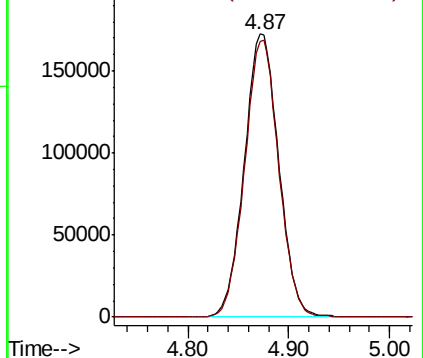
117 100

119 96.7 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: 29.587 ug/L

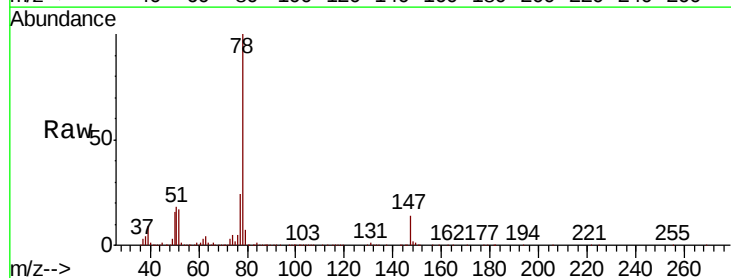
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

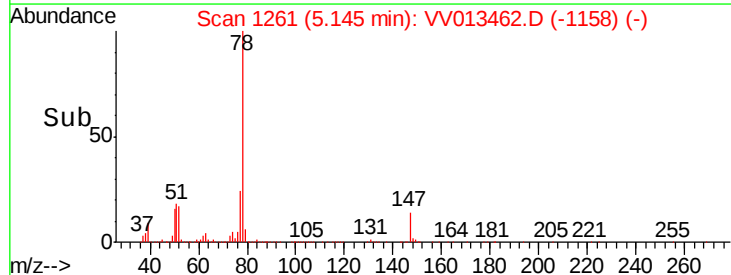
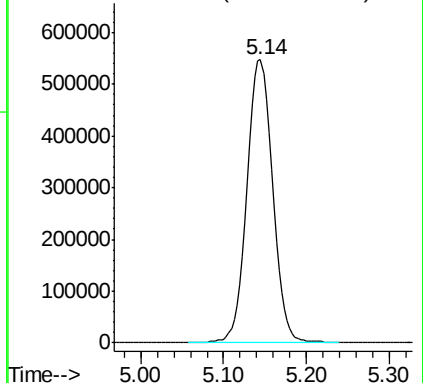
Lab File: VV013462.D

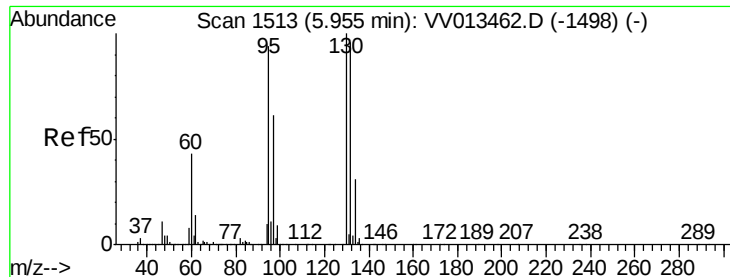
Acq: 01 Nov 2019 11:12

Tgt Ion: 78 Resp: 1183401



Abundance Ion 78.00 (77.70 to 78.70): VV0

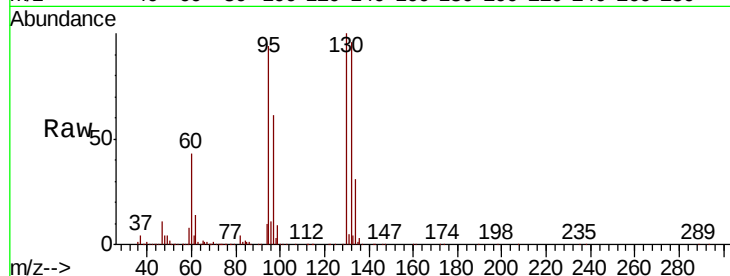




#35
 Trichloroethene
 Concen: 28.420 ug/L
 RT: 5.96 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VV013462.D
 Acq: 01 Nov 2019 11:12

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
95	100		
97	63.9	44.7	83.1
132	101.4	71.0	131.8
130	105.9	74.1	137.7



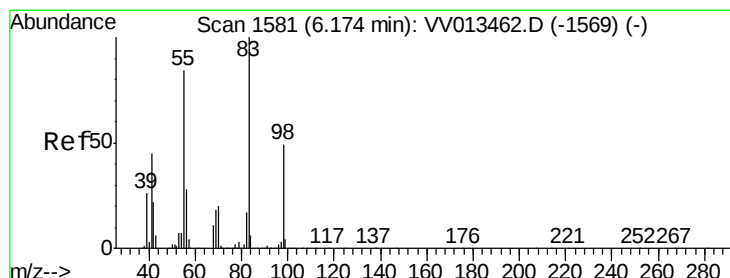
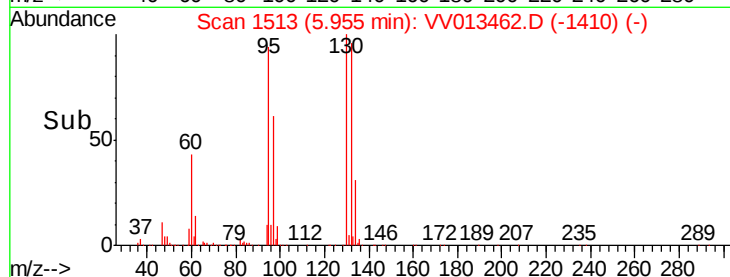
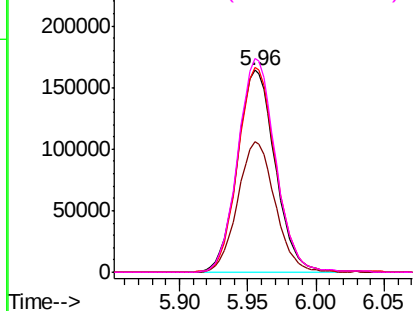
Abundance

Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

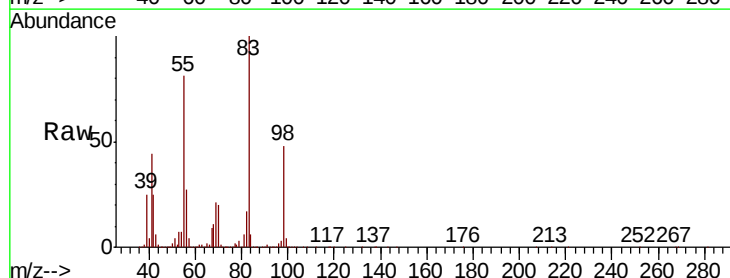
Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#36
 Methylcyclohexane
 Concen: 30.412 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VV013462.D
 Acq: 01 Nov 2019 11:12

Tgt Ion	Ratio	Lower	Upper
83	100		
55	80.3	64.2	96.4
98	48.0	38.4	57.6

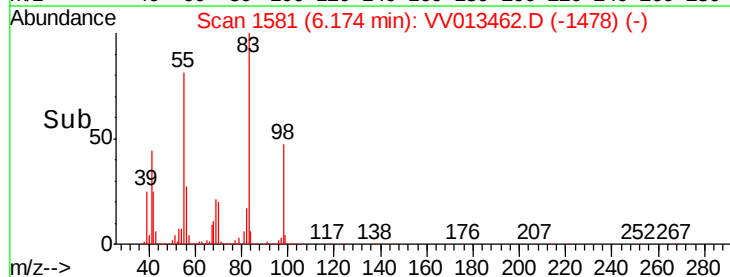
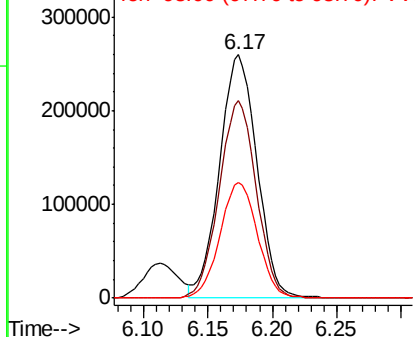


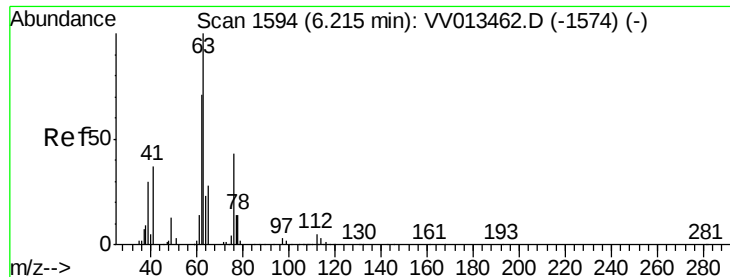
Abundance

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

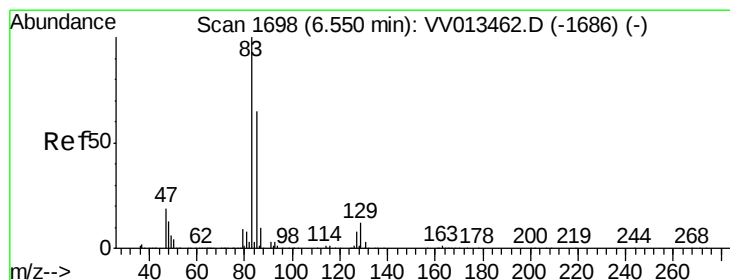
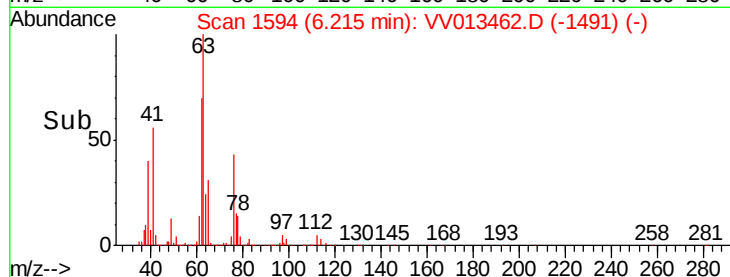
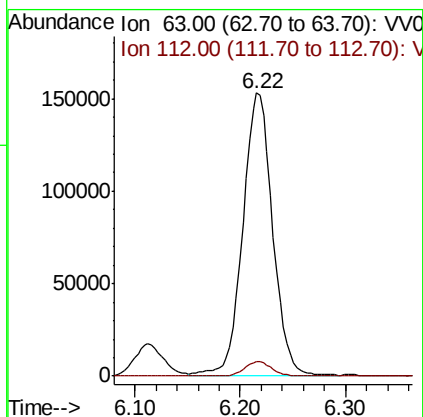
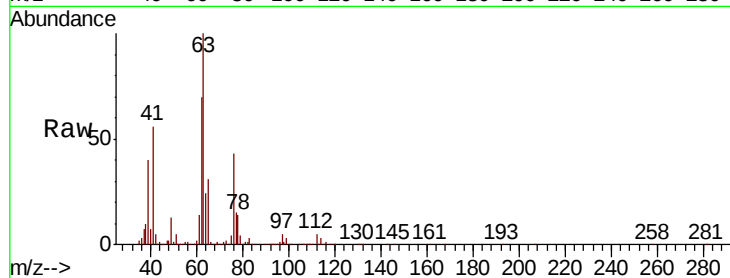




#40
 1,2-Dichloropropane
 Concen: 28.811 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. 0.00 min
 Lab File: VV013462.D
 Acq: 01 Nov 2019 11:12

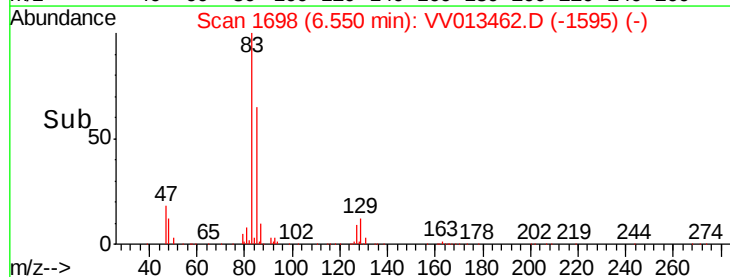
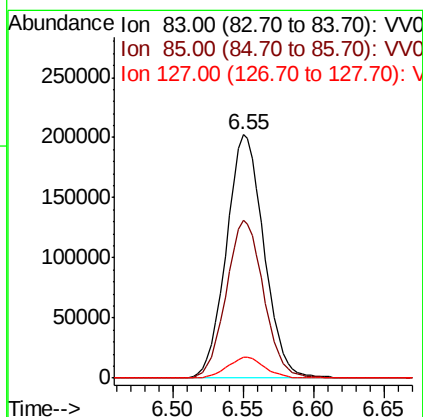
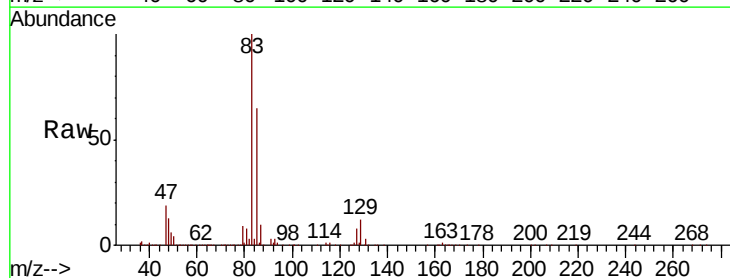
Instrument :
 MSVOA_V
 ClientSampleId :

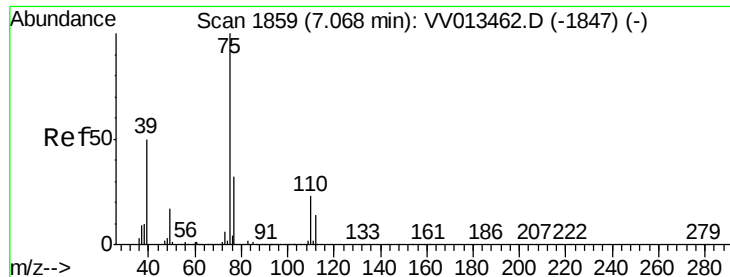
Tot Ion: 63 Resp: 298228
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.8 5.6



#41
 Bromodichloromethane
 Concen: 28.192 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VV013462.D
 Acq: 01 Nov 2019 11:12

Tgt Ion: 83 Resp: 373209
 Ion Ratio Lower Upper
 83 100
 85 64.9 45.4 84.4
 127 8.4 6.7 10.1



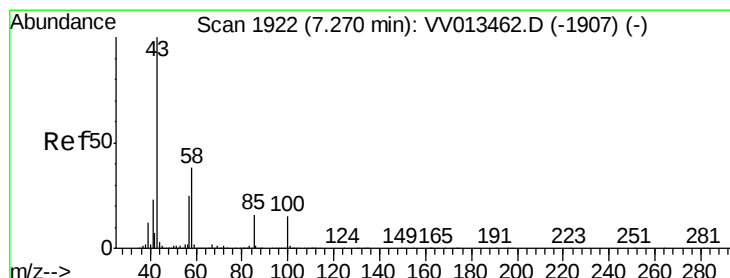
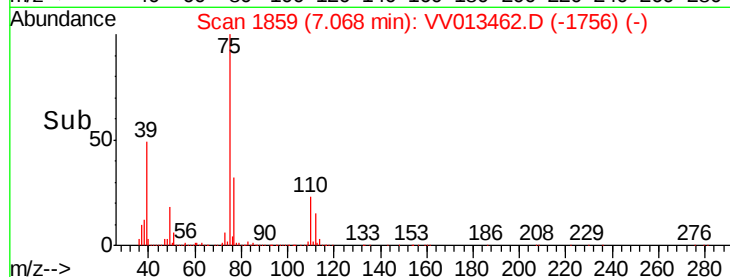
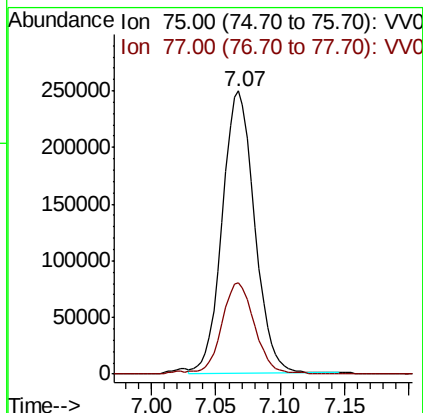
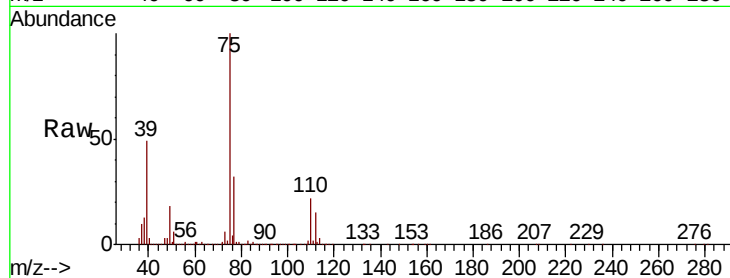


#42

cis-1,3-Dichloropropene
Concen: 28.624 ug/L
RT: 7.07 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VV013462.D
Acq: 01 Nov 2019 11:12

Instrument :
MSVOA_V
ClientSampled :

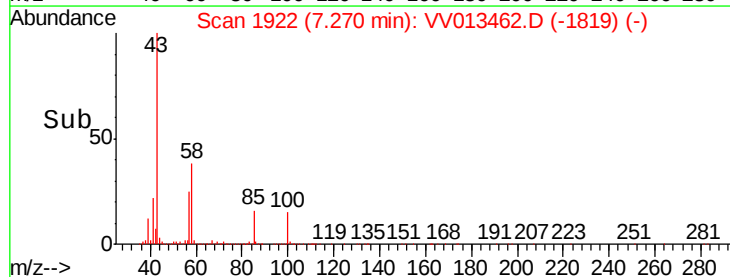
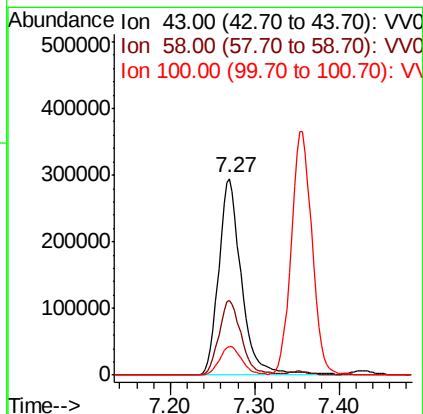
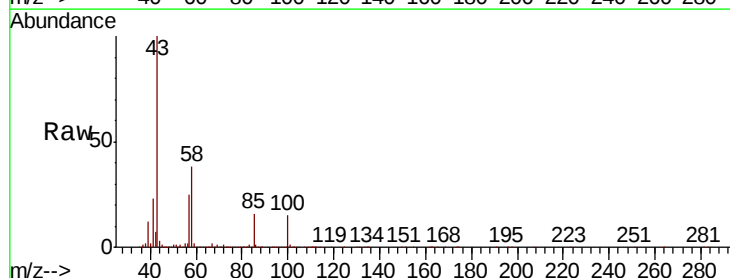
Tot Ion: 75 Resp: 432319
Ion Ratio Lower Upper
75 100
77 32.4 22.7 42.1

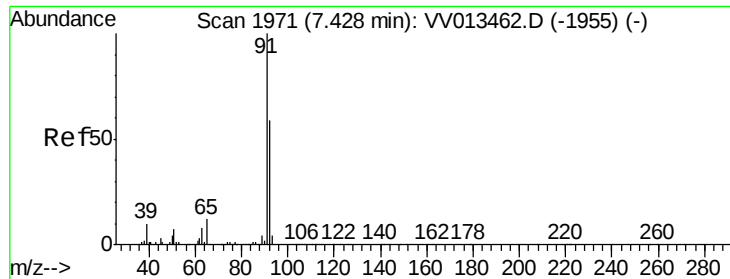


#43

4-Methyl-2-pentanone
Concen: 64.218 ug/L
RT: 7.27 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VV013462.D
Acq: 01 Nov 2019 11:12

Tgt Ion: 43 Resp: 549807
Ion Ratio Lower Upper
43 100
58 37.4 29.9 44.9
100 14.4 11.5 17.3





#44

Toluene

Concen: 29.577 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV013462.D

Acq: 01 Nov 2019 11:12

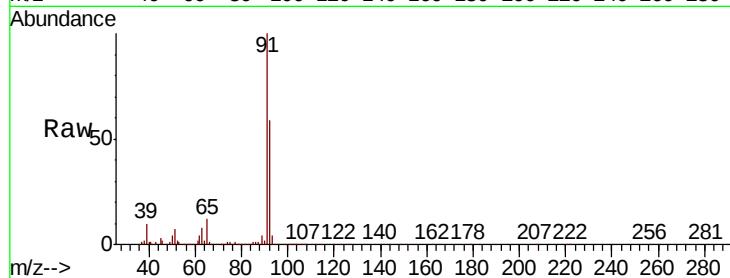
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 1237551

Ion Ratio Lower Upper

91 100

92 59.1 41.4 76.8



Abundance Ion 91.00 (90.70 to 91.70): VV013462.D (-1955) (-)

Ion 92.00 (91.70 to 92.70): VV013462.D (-1955) (-)

7.43

800000

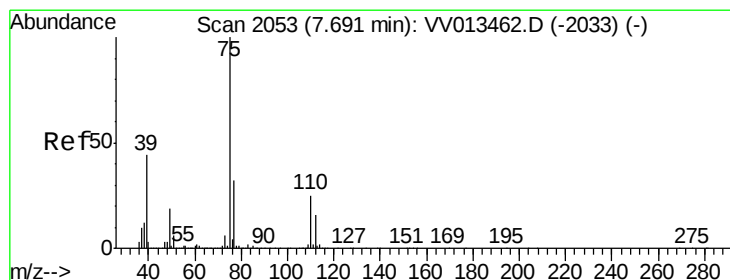
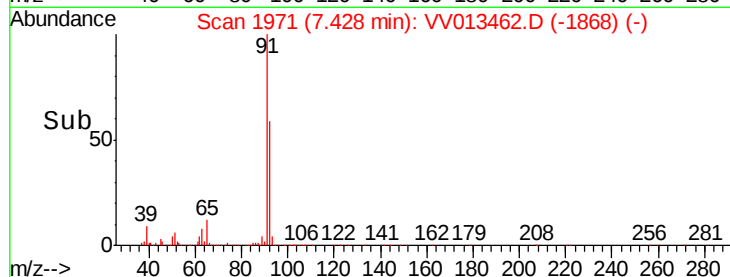
600000

400000

200000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 29.381 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV013462.D

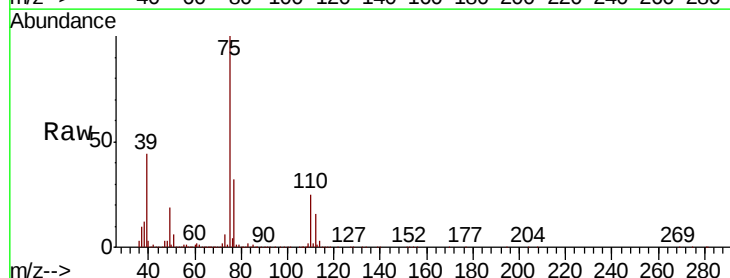
Acq: 01 Nov 2019 11:12

Tgt Ion: 75 Resp: 377550

Ion Ratio Lower Upper

75 100

77 32.1 22.5 41.7



Abundance Ion 75.00 (74.70 to 75.70): VV013462.D (-2033) (-)

Ion 77.00 (76.70 to 77.70): VV013462.D (-2033) (-)

7.69

250000

200000

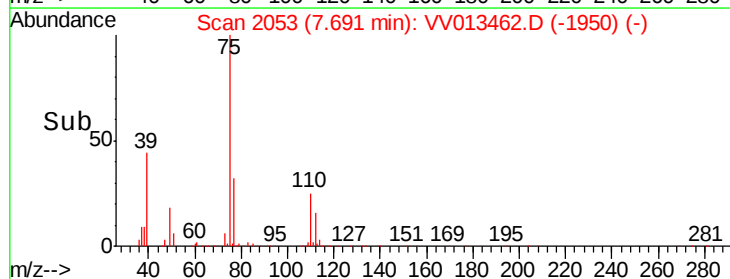
150000

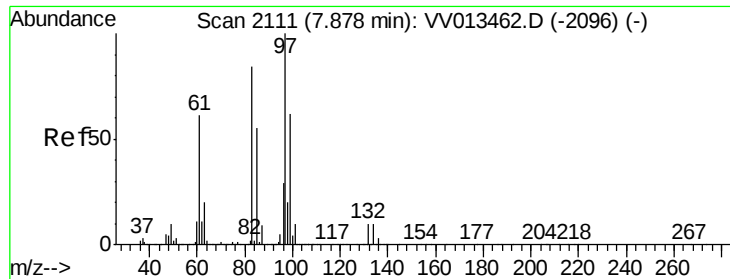
100000

50000

0

Time-->

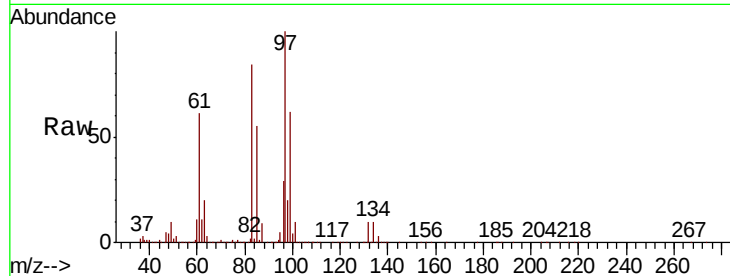




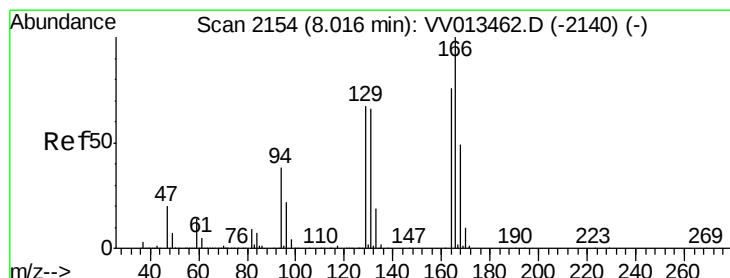
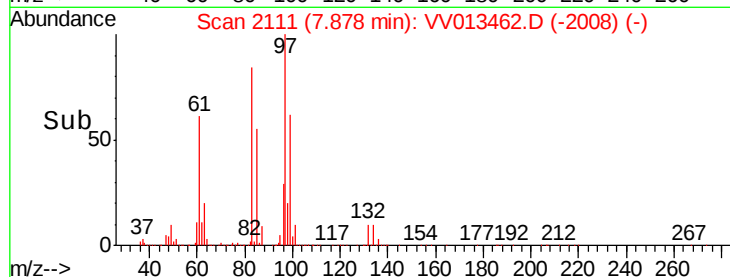
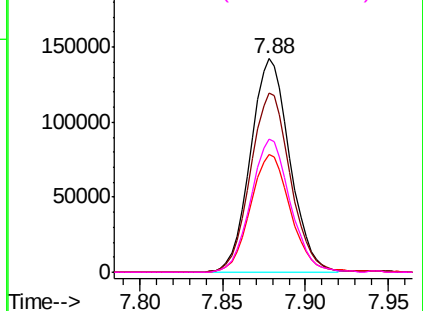
#46
 1,1,2-Trichloroethane
 Concen: 27.114 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. 0.00 min
 Lab File: VV013462.D
 Acq: 01 Nov 2019 11:12

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	234280
Ion	Ratio	Lower	Upper
97	100		
83	84.1	58.9	109.3
85	55.1	38.6	71.6
99	62.3	43.6	81.0

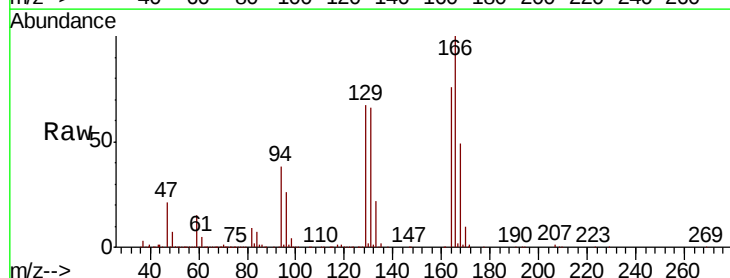


Abundance Ion 97.00 (96.70 to 97.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0
 Ion 85.00 (84.70 to 85.70): VV0
 Ion 99.00 (98.70 to 99.70): VV0

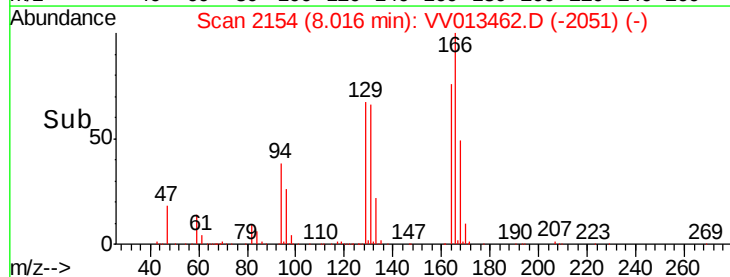
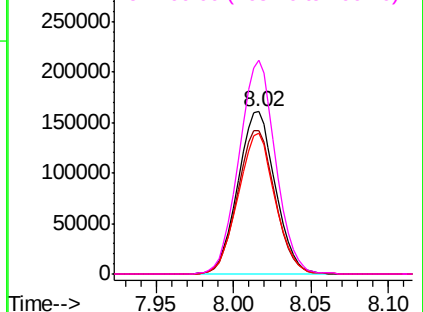


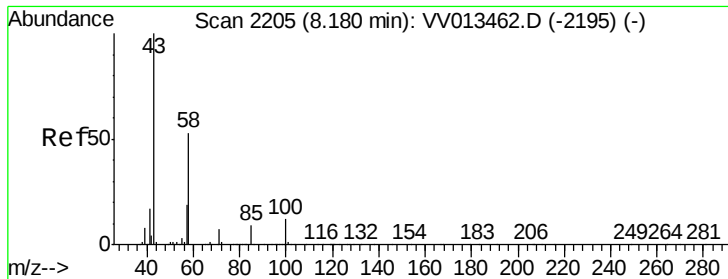
#47
 Tetrachloroethene
 Concen: 29.647 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV013462.D
 Acq: 01 Nov 2019 11:12

Tgt Ion:	164	Resp:	270532
Ion	Ratio	Lower	Upper
164	100		
129	88.3	61.8	114.8
131	87.1	61.0	113.2
166	131.6	92.1	171.1



Abundance Ion 164.00 (163.70 to 164.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 131.00 (130.70 to 131.70): V
 Ion 166.00 (165.70 to 166.70): V

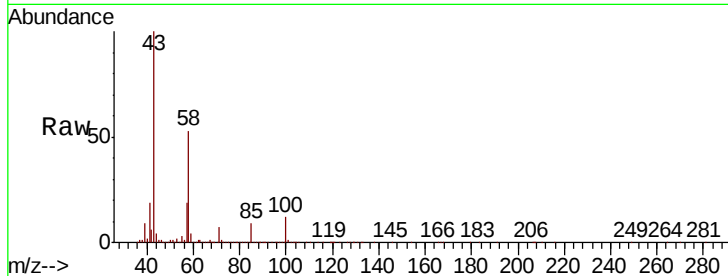




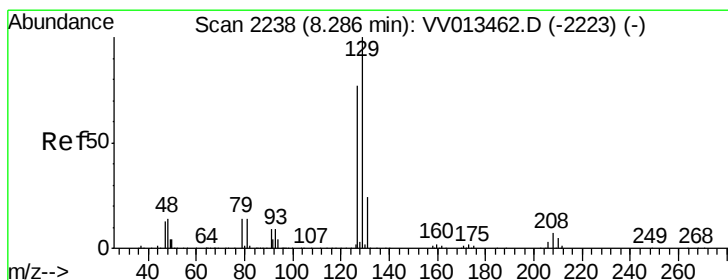
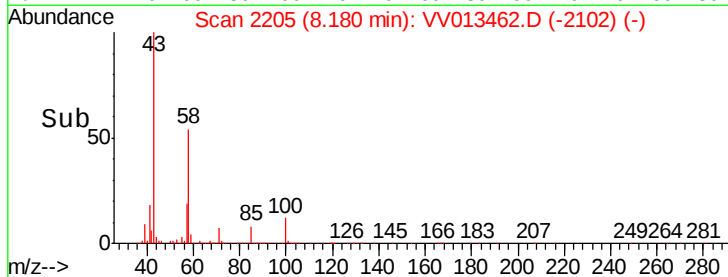
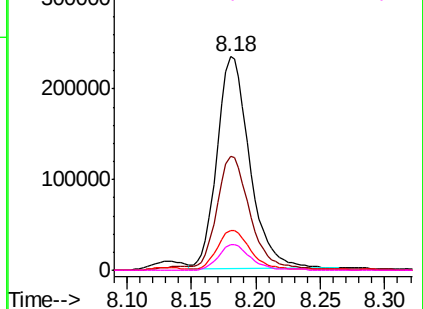
#49
2-Hexanone
Concen: 64.328 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. 0.00 min
Lab File: VV013462.D
Acq: 01 Nov 2019 11:12

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:	43	Resp:	408880
Ion	Ratio	Lower	Upper
43	100		
58	54.8	43.8	65.8
57	18.7	15.0	22.4
100	11.8	9.4	14.2

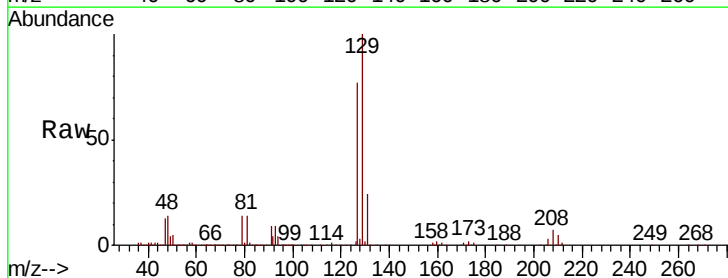


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

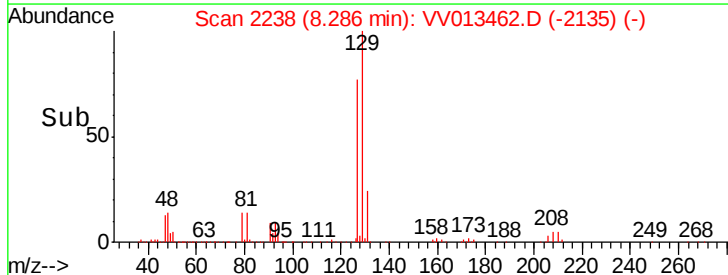
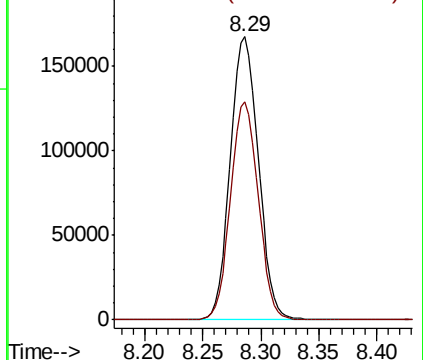


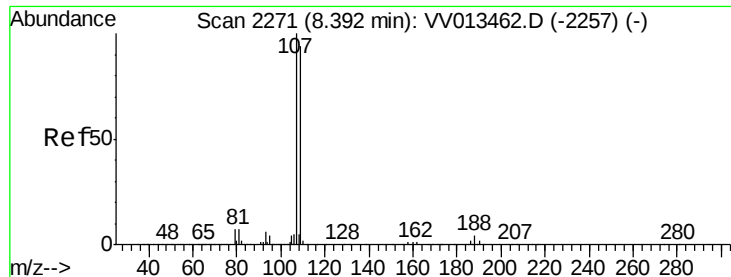
#50
Dibromochloromethane
Concen: 28.156 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV013462.D
Acq: 01 Nov 2019 11:12

Tgt Ion:	129	Resp:	282684
Ion	Ratio	Lower	Upper
129	100		
127	77.0	53.9	100.1



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V





#51

1,2-Dibromoethane

Concen: 28.506 ug/L

RT: 8.39 min Scan# 2271

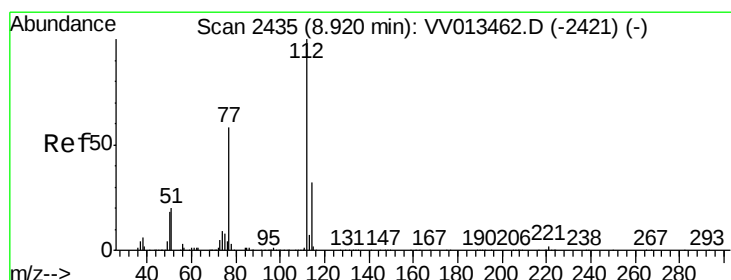
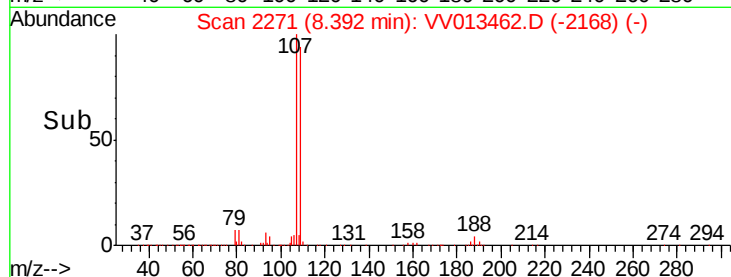
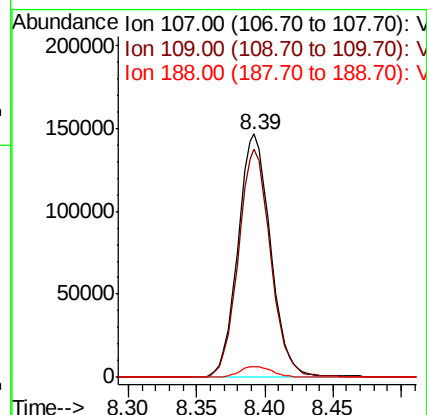
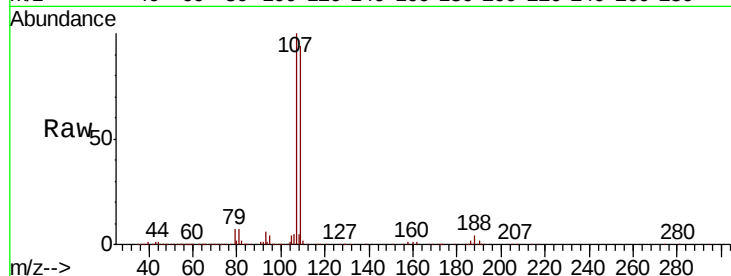
Delta R.T. 0.00 min

Lab File: VV013462.D

Acq: 01 Nov 2019 11:12

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	107	Resp:	243402
Ion	Ratio	Lower	Upper
107	100		
109	93.7	65.6	121.8
188	4.4	3.5	5.3



#52

Chlorobenzene

Concen: 27.994 ug/L

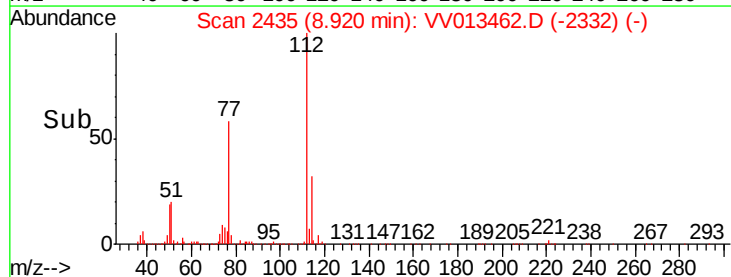
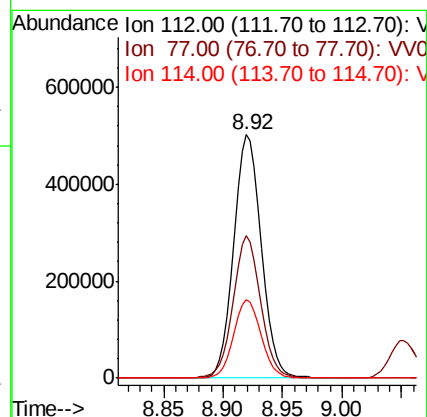
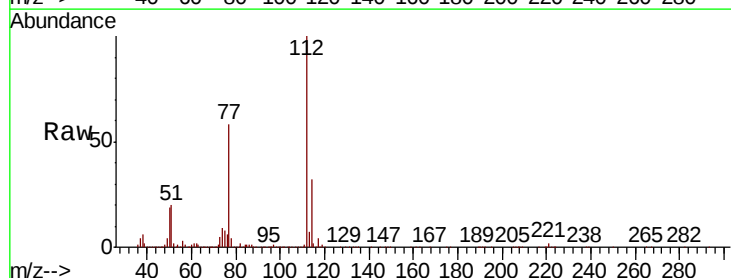
RT: 8.92 min Scan# 2435

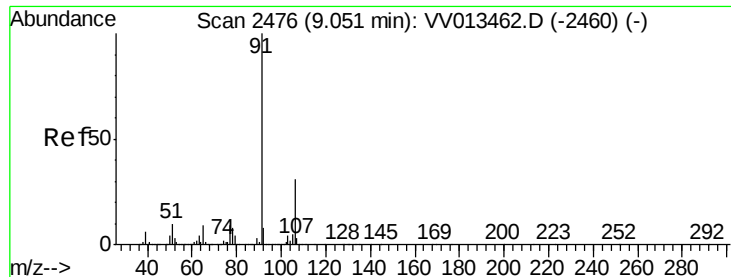
Delta R.T. 0.00 min

Lab File: VV013462.D

Acq: 01 Nov 2019 11:12

Tgt Ion:	112	Resp:	809038
Ion	Ratio	Lower	Upper
112	100		
77	58.3	46.6	70.0
114	32.2	22.5	41.9

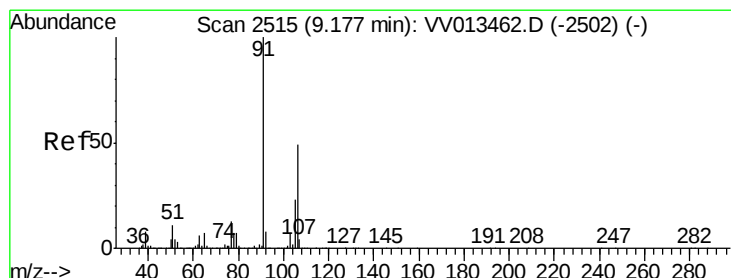
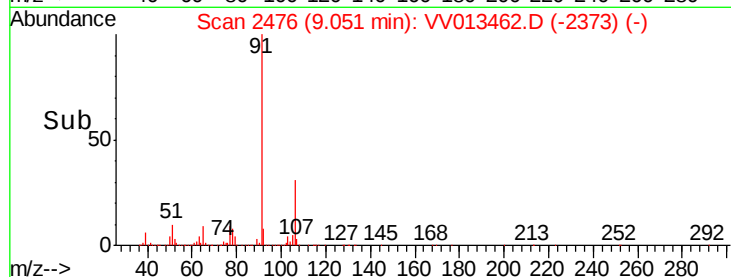
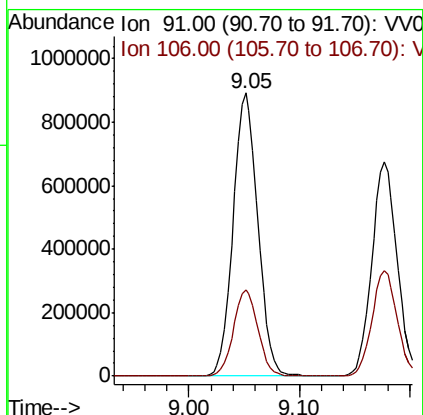
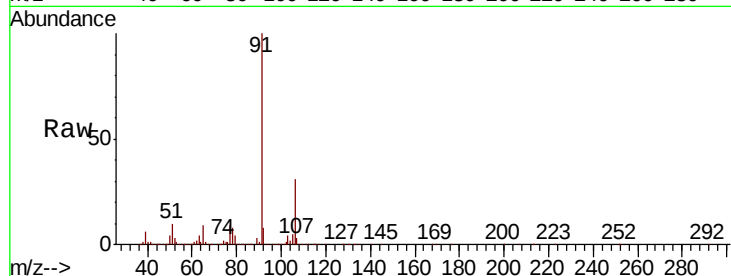




#53
Ethylbenzene
Concen: 29.887 ug/L
RT: 9.05 min Scan# 2476
Delta R.T. 0.00 min
Lab File: VV013462.D
Acq: 01 Nov 2019 11:12

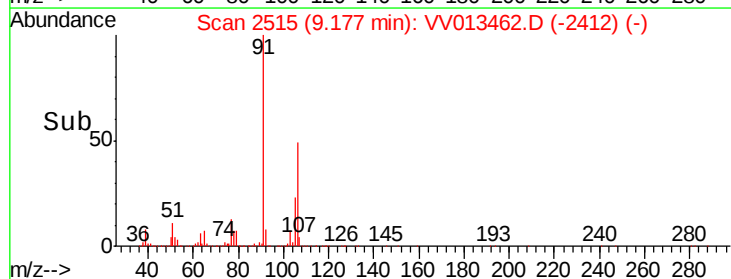
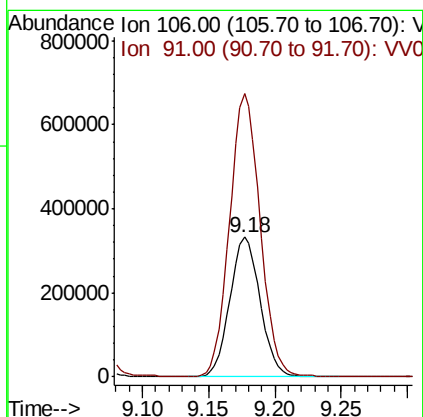
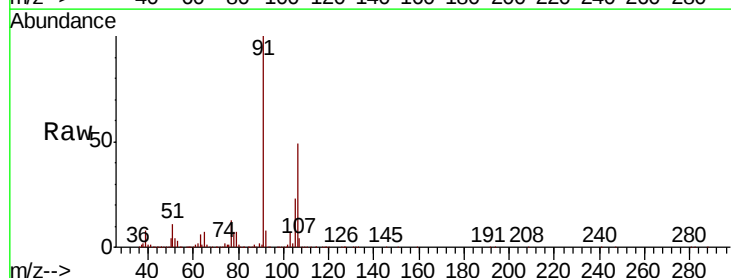
Instrument :
MSVOA_V
ClientSampleId :

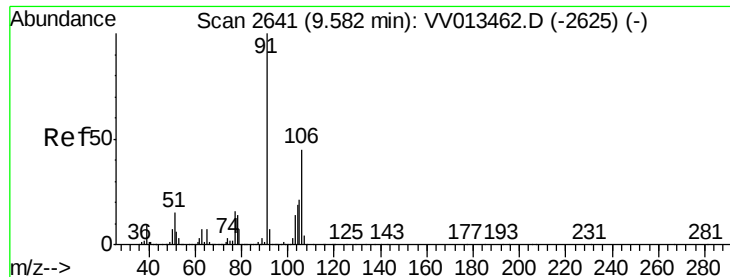
Tot Ion: 91 Resp: 1387162
Ion Ratio Lower Upper
91 100
106 30.7 21.5 39.9



#54
m,p-Xylene
Concen: 30.003 ug/L
RT: 9.18 min Scan# 2515
Delta R.T. 0.00 min
Lab File: VV013462.D
Acq: 01 Nov 2019 11:12

Tgt Ion: 106 Resp: 527236
Ion Ratio Lower Upper
106 100
91 202.4 141.7 263.1





#55

o-xylene

Concen: 29.021 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV013462.D

Acq: 01 Nov 2019 11:12

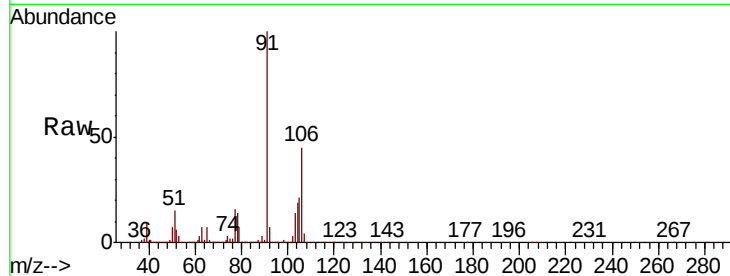
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 481840

Ion Ratio Lower Upper

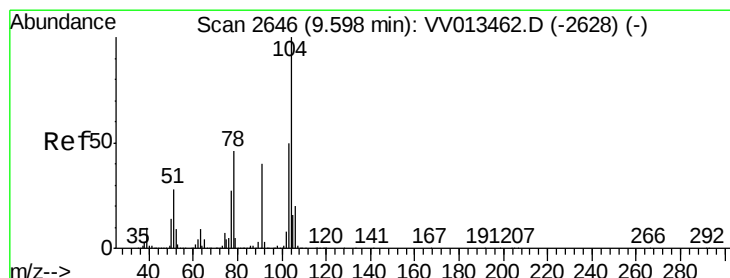
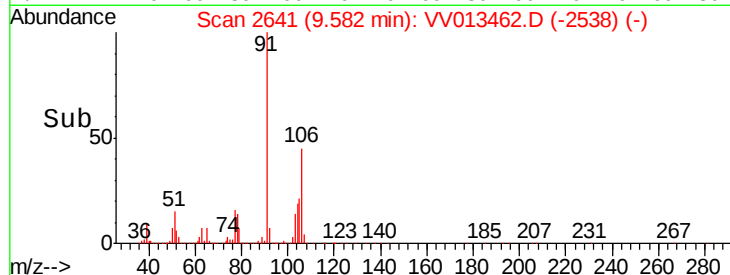
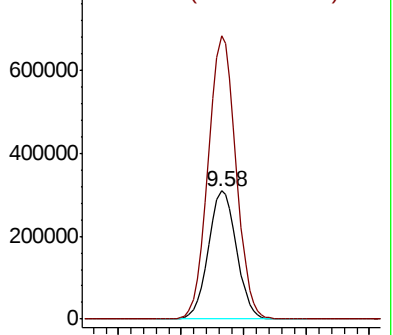
106 100

91 220.3 154.2 286.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 29.359 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. 0.00 min

Lab File: VV013462.D

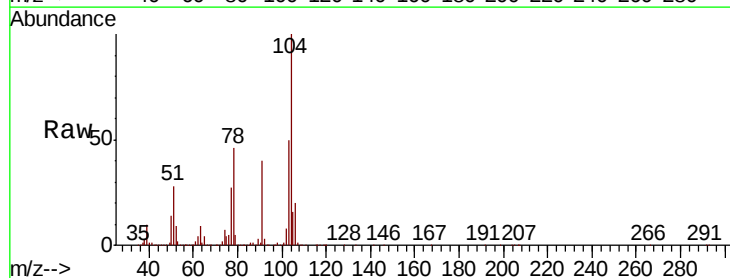
Acq: 01 Nov 2019 11:12

Tgt Ion:104 Resp: 856315

Ion Ratio Lower Upper

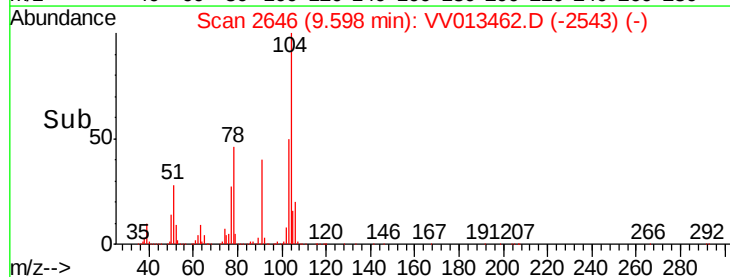
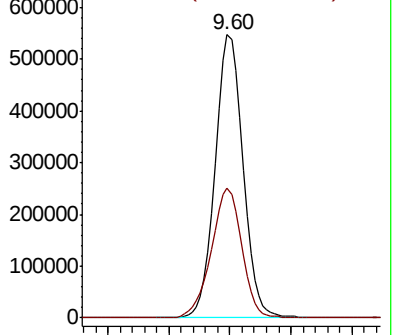
104 100

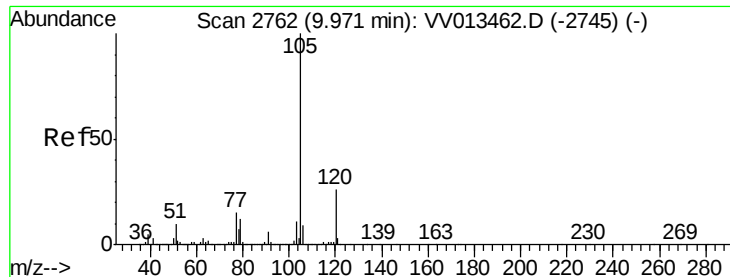
78 45.8 32.1 59.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 30.669 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

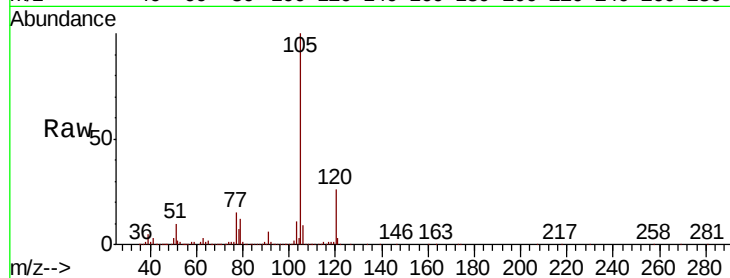
Lab File: VV013462.D

Acq: 01 Nov 2019 11:12

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:105 Resp: 1356797

Ion	Ratio	Lower	Upper
105	100		
120	26.4	21.1	31.7
77	15.4	12.3	18.5

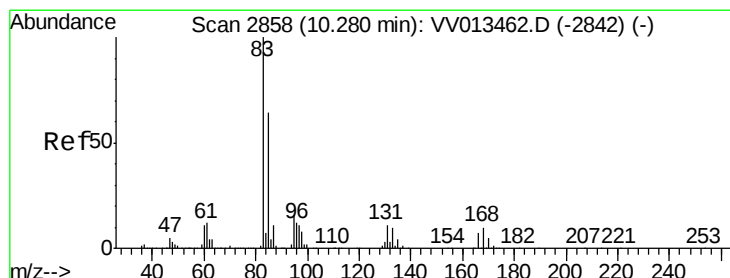
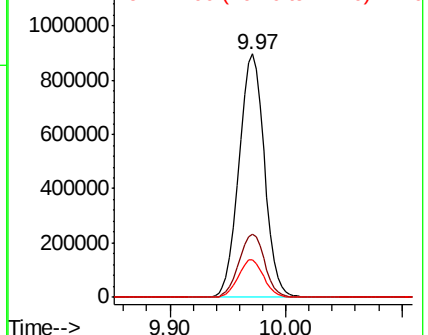
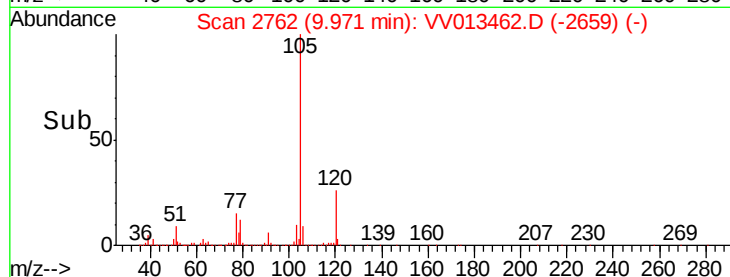


Abundance

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: 27.574 ug/L

RT: 10.28 min Scan# 2858

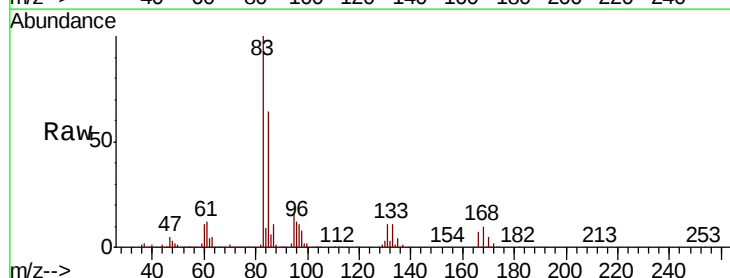
Delta R.T. 0.00 min

Lab File: VV013462.D

Acq: 01 Nov 2019 11:12

Tgt Ion: 83 Resp: 294223

Ion	Ratio	Lower	Upper
83	100		
85	64.4	45.1	83.7
131	10.6	8.5	12.7

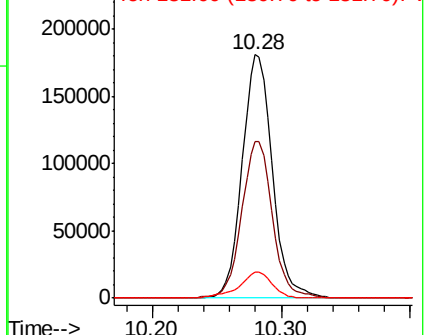
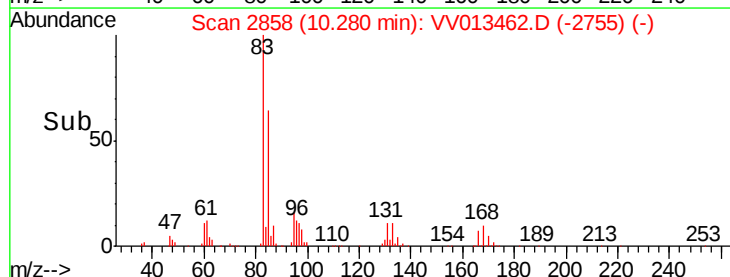


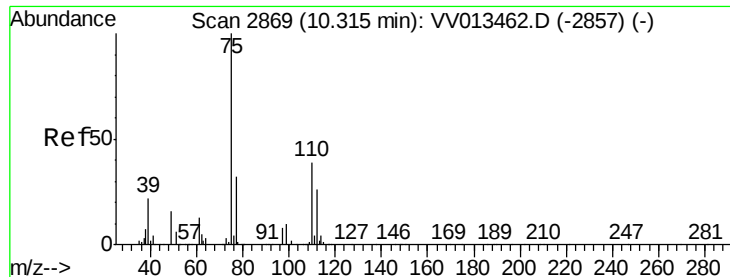
Abundance

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: 28.393 ug/L

RT: 10.31 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV013462.D

Acq: 01 Nov 2019 11:12

Instrument :

MSVOA_V

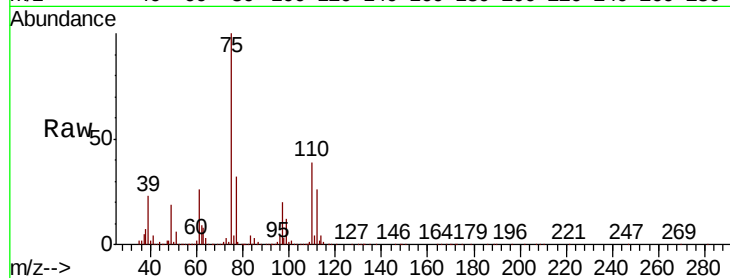
ClientSampleId :

Tot Ion: 75 Resp: 251159

Ion Ratio Lower Upper

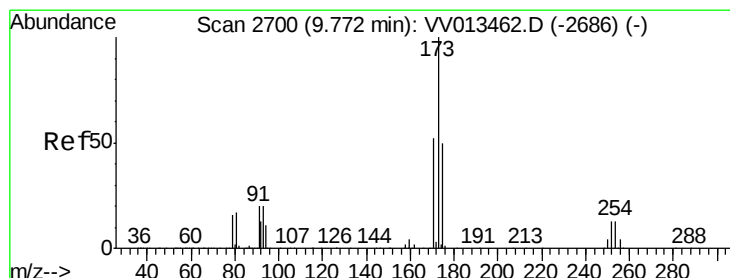
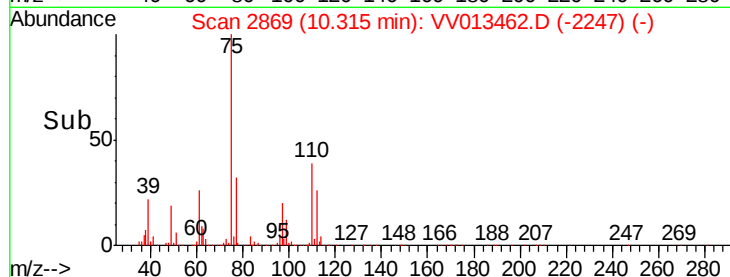
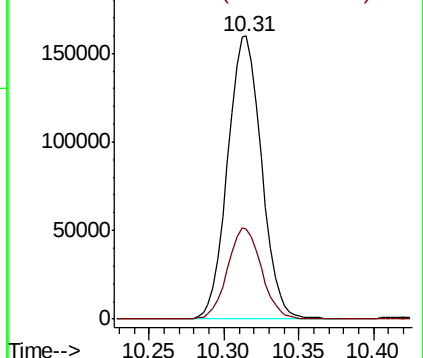
75 100

77 32.1 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#62

Bromoform

Concen: 29.137 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV013462.D

Acq: 01 Nov 2019 11:12

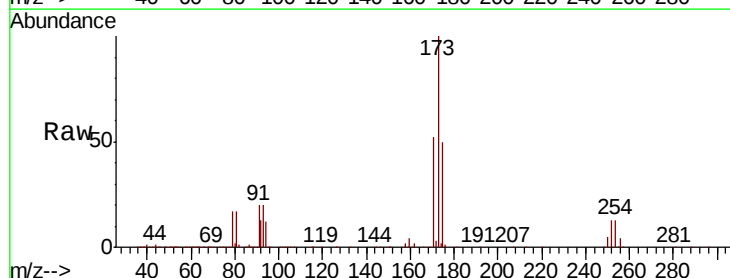
Tgt Ion: 173 Resp: 193458

Ion Ratio Lower Upper

173 100

175 49.2 39.4 59.0

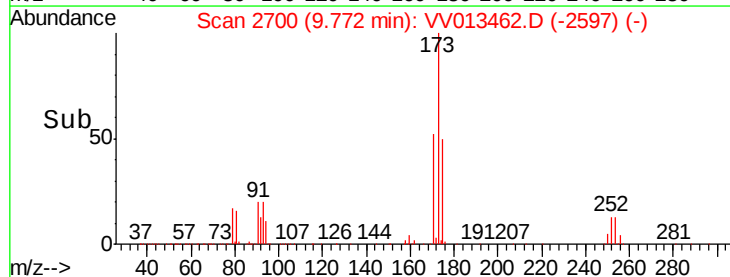
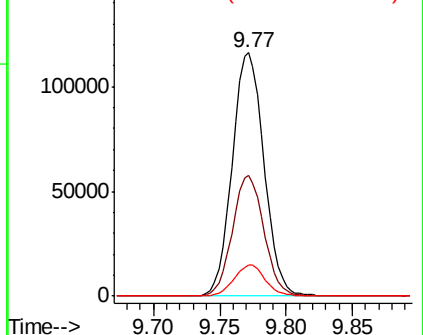
254 12.6 10.1 15.1

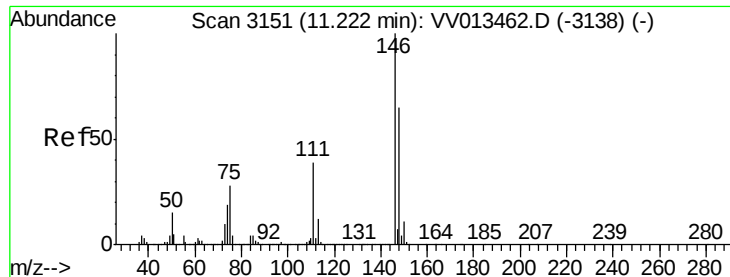


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

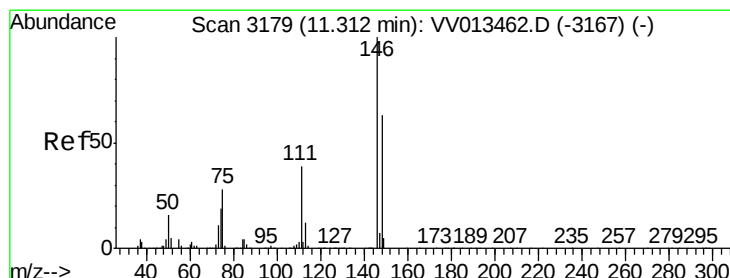
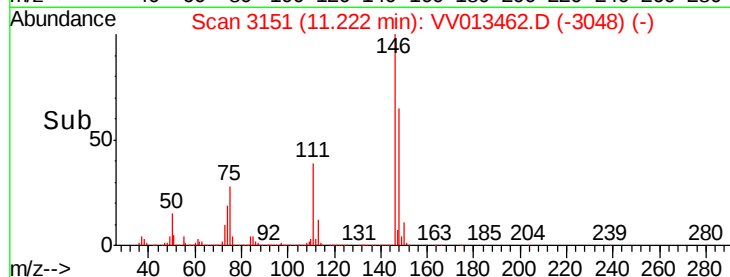
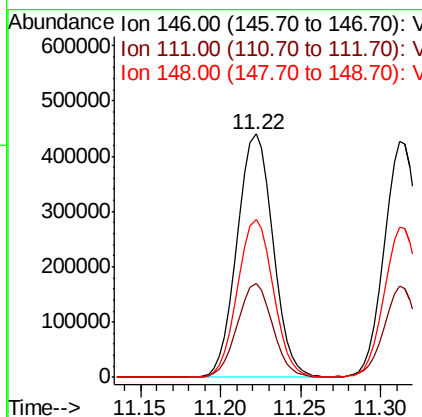
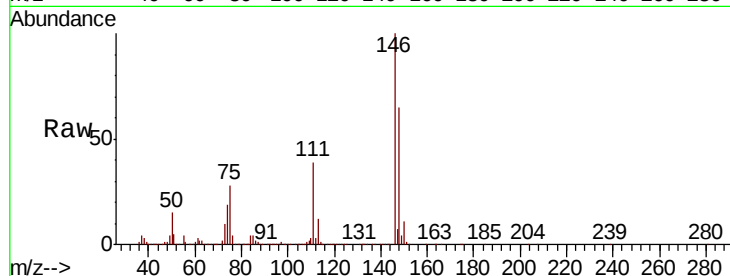




#63
 1,3-Dichlorobenzene
 Concen: 28.190 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. 0.00 min
 Lab File: VV013462.D
 Acq: 01 Nov 2019 11:12

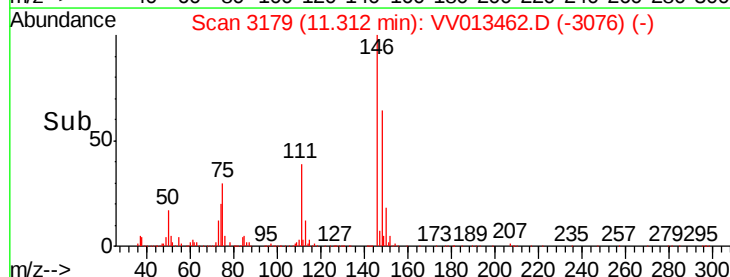
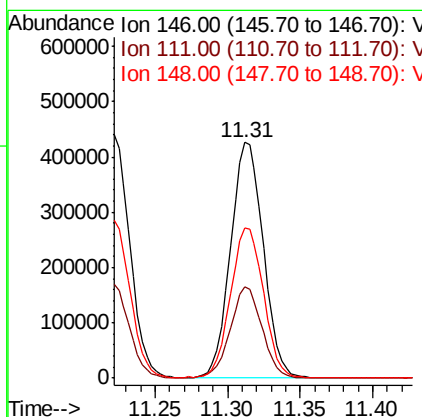
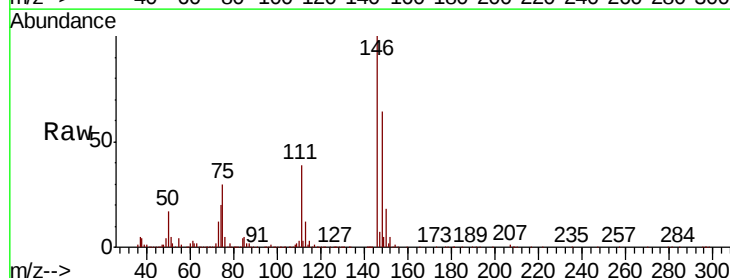
Instrument :
 MSVOA_V
 ClientSampled :

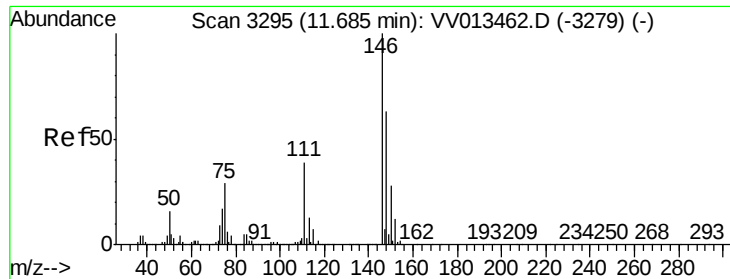
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	27.1	50.3
148	64.8	45.4	84.2



#64
 1,4-Dichlorobenzene
 Concen: 26.797 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. 0.00 min
 Lab File: VV013462.D
 Acq: 01 Nov 2019 11:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	27.2	50.6
148	63.5	44.4	82.5

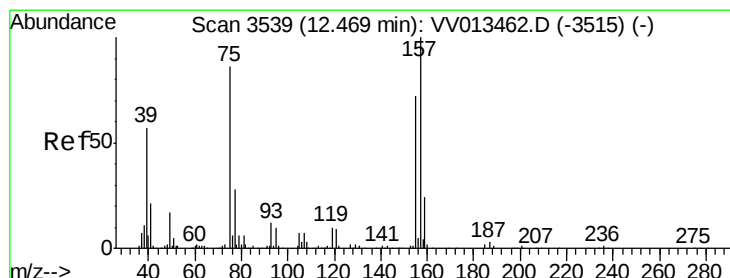
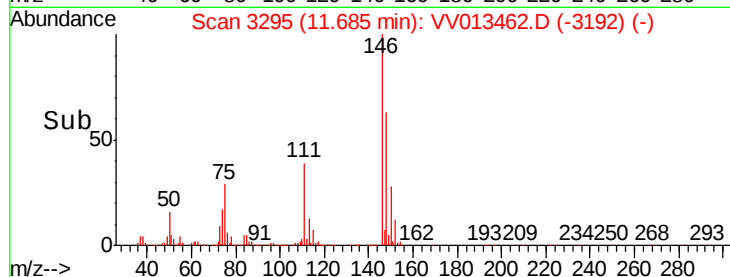
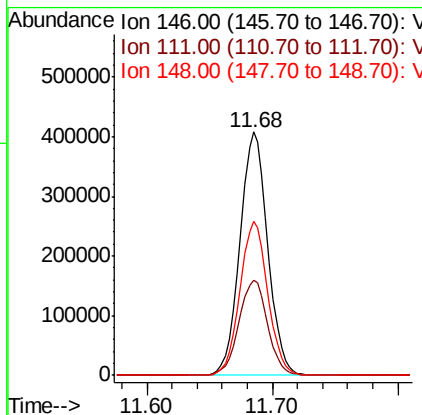
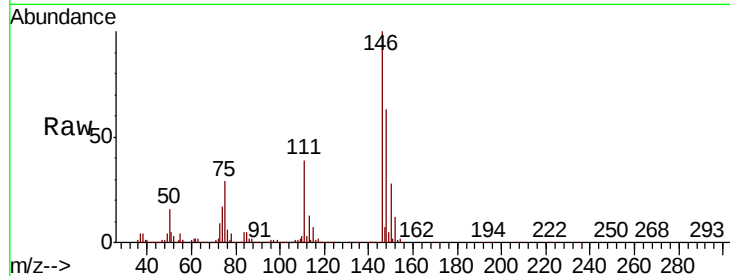




#65
 1,2-Dichlorobenzene
 Concen: 27.603 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV013462.D
 Acq: 01 Nov 2019 11:12

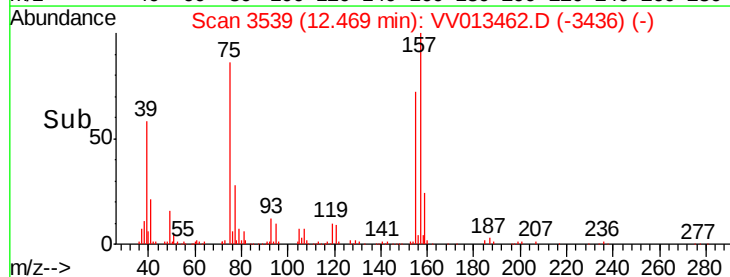
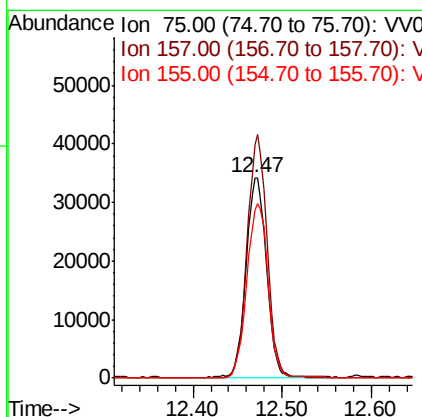
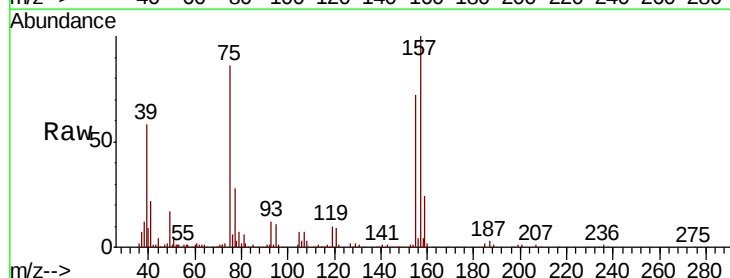
Instrument :
 MSVOA_V
 ClientSampleId :

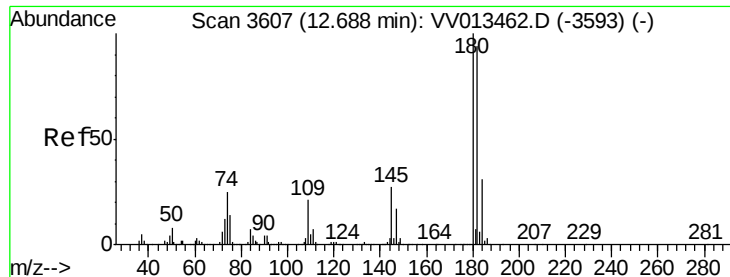
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	31.4	47.2
148	63.1	50.5	75.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 28.052 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VV013462.D
 Acq: 01 Nov 2019 11:12

Tgt Ion	Ratio	Lower	Upper
75	100		
157	116.5	93.2	139.8
155	83.6	66.9	100.3

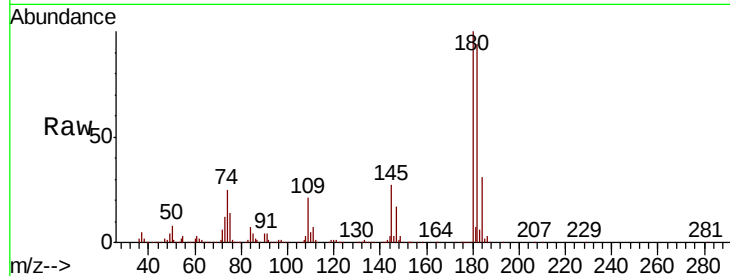




#67
 1,3,5-Trichlorobenzene
 Concen: 28.540 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV013462.D
 Acq: 01 Nov 2019 11:12

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion	180	Resp	537286
Ion Ratio	100	Lower	Upper
180	100		
182	93.5	74.8	112.2
184	30.4	24.3	36.5
145	26.4	21.1	31.7



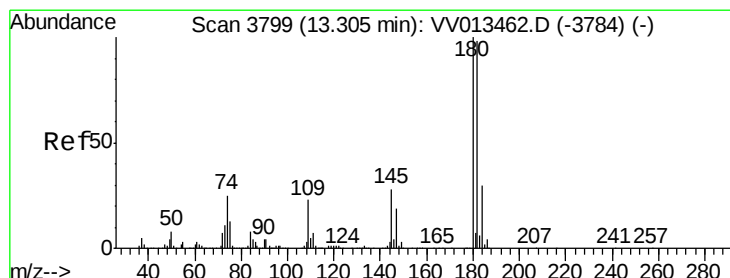
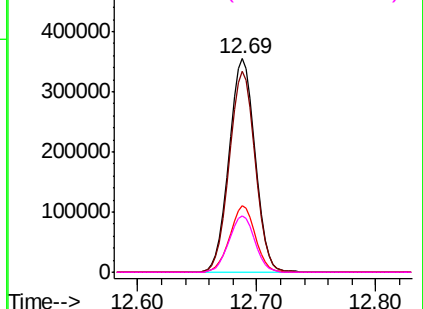
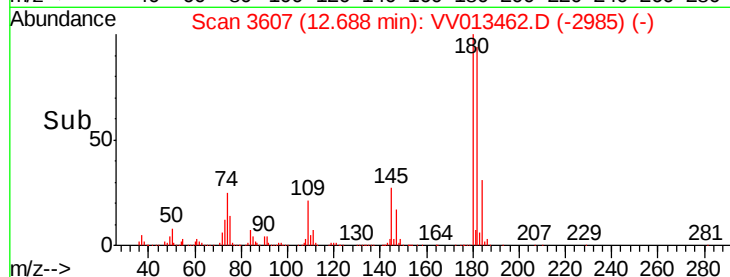
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

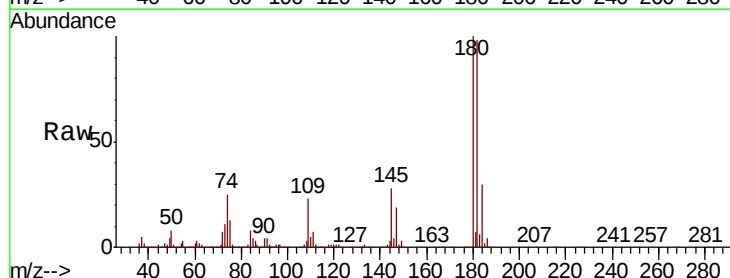
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 26.851 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV013462.D
 Acq: 01 Nov 2019 11:12

Tgt Ion	180	Resp	435051
Ion Ratio	100	Lower	Upper
180	100		
182	96.7	77.4	116.0
145	27.9	22.3	33.5

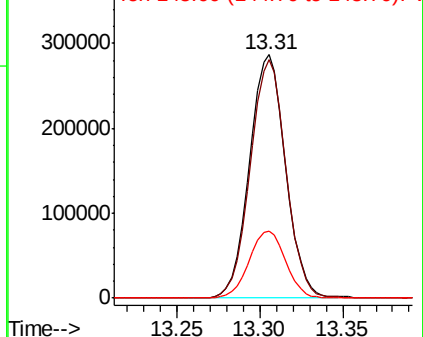
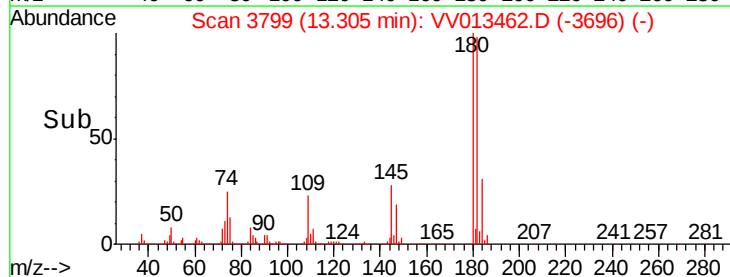


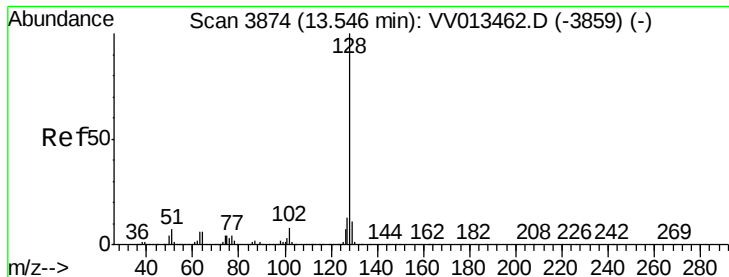
Abundance

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: 27.919 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV013462.D

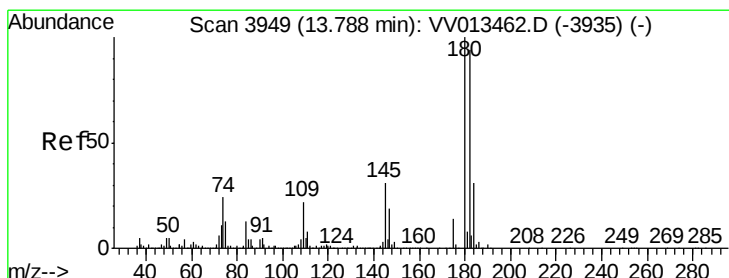
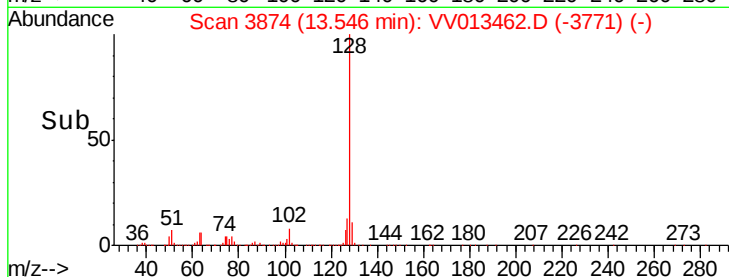
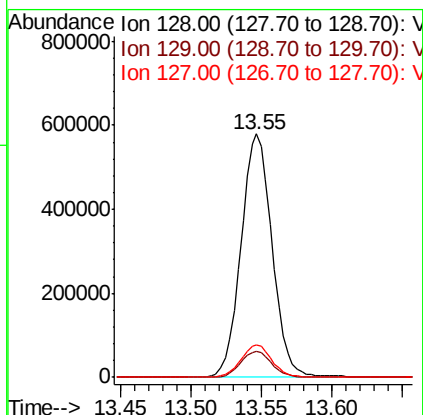
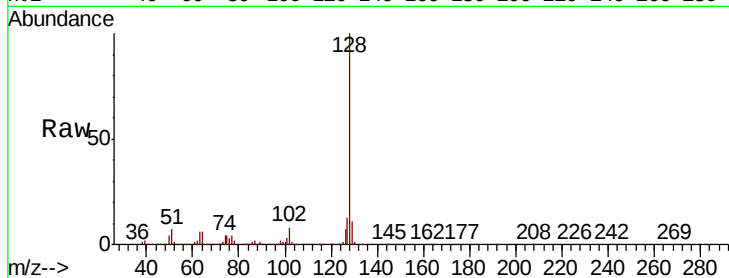
Acq: 01 Nov 2019 11:12

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:128	Resp:	895975
Ion	Ratio	Lower Upper
128	100	
129	10.8	8.6 13.0
127	13.1	10.5 15.7



#70

1,2,3-Trichlorobenzene

Concen: 27.578 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV013462.D

Acq: 01 Nov 2019 11:12

Tgt Ion:180	Resp:	429686
Ion	Ratio	Lower Upper
180	100	
182	94.0	75.2 112.8
145	29.7	23.8 35.6

