

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV021020\
 Data File : VV014551.D
 Acq On : 10 Feb 2020 14:56
 Operator : SY/MD
 Sample : MDL07
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Feb 11 04:47:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM020620W.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 11 04:43:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	324348	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	303747	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	151094	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	70446	40.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.10%
7) Chloroethane-d5	1.59	69	50835	41.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.88%
11) 1,1-Dichloroethene-d2	2.13	63	88749	33.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.44%
21) 2-Butanone-d5	3.92	46	130880	96.39	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.39%
24) Chloroform-d	4.40	84	194763	48.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.18%
26) 1,2-Dichloroethane-d4	5.08	65	126205	51.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.16%
32) Benzene-d6	5.10	84	409017	48.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.26%
36) 1,2-Dichloropropane-d6	6.11	67	126919	49.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.42%
41) Toluene-d8	7.36	98	388159	50.12	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.24%
43) trans-1,3-Dichloropropene-	7.66	79	67087	48.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.02%
47) 2-Hexanone-d5	8.13	63	106730	97.27	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.27%
56) 1,1,2,2-Tetrachloroethane-	10.25	84	170227	50.83	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.66%
66) 1,2-Dichlorobenzene-d4	11.67	152	150108	51.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	6873	2.645 ug/L	99
3) Chloromethane	1.26	50	6712	2.551 ug/L	96
5) Vinyl chloride	1.32	62	4948	2.456 ug/L #	68
6) Bromomethane	1.54	94	2262	2.441 ug/L	89
8) Chloroethane	1.60	64	2583	2.580 ug/L	98
9) Trichlorofluoromethane	1.77	101	7361	2.712 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	4314	3.310 ug/L #	79
12) 1,1-Dichloroethene	2.14	96	3834	3.076 ug/L #	1
13) Acetone	2.19	43	7371	6.484 ug/L	96
14) Carbon disulfide	2.32	76	14739	2.435 ug/L	98
15) Methyl Acetate	2.46	43	5244	2.399 ug/L	95
16) Methylene chloride	2.54	84	6706	2.832 ug/L	93
17) trans-1,2-Dichloroethene	2.79	96	5909	2.690 ug/L	96
18) Methyl tert-butyl Ether	2.80	73	17998	2.588 ug/L	99
19) 1,1-Dichloroethane	3.23	63	9302	2.368 ug/L	93
20) cis-1,2-Dichloroethene	3.96	96	6371	2.578 ug/L	91
22) 2-Butanone	4.03	43	6853	4.076 ug/L	88

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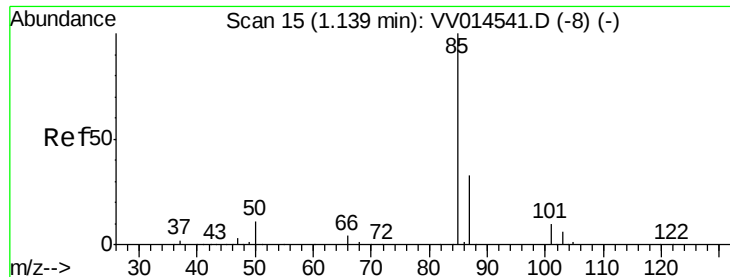
Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Feb 11 04:47:11 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.30	128	1629	1.392	ug/L	88
25) Chloroform	4.42	83	15093	3.779	ug/L	99
27) 1,2-Dichloroethane	5.18	62	8845	2.972	ug/L	97
29) Cyclohexane	4.73	56	9326	2.497	ug/L	95
30) 1,1,1-Trichloroethane	4.66	97	9577	2.763	ug/L	97
31) Carbon tetrachloride	4.87	117	8683	2.839	ug/L	92
33) Benzene	5.15	78	24378	2.730	ug/L	100
34) Trichloroethene	5.96	95	6426	2.715	ug/L	95
35) Methylcyclohexane	6.18	83	9837	2.543	ug/L	95
37) 1,2-Dichloropropane	6.22	63	5571	2.449	ug/L	98
38) Bromodichloromethane	6.56	83	8133	2.664	ug/L #	95
39) cis-1,3-Dichloropropene	7.07	75	9885	2.605	ug/L	95
40) 4-Methyl-2-pentanone	7.27	43	13458	4.579	ug/L	99
42) Toluene	7.43	91	26239	2.740	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	9586	2.818	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	5985	2.743	ug/L	98
46) Tetrachloroethene	8.02	164	5222	2.892	ug/L	96
48) 2-Hexanone	8.18	43	11222	4.959	ug/L #	94
49) Dibromochloromethane	8.29	129	6279	2.549	ug/L	93
50) 1,2-Dibromoethane	8.40	107	6343	2.684	ug/L #	96
51) Chlorobenzene	8.92	112	17630	2.819	ug/L	98
52) Ethylbenzene	9.05	91	28949	2.696	ug/L	99
53) m,p-Xylene	9.18	106	10333	2.498	ug/L	98
54) o-Xylene	9.59	106	10519	2.657	ug/L	98
55) Styrene	9.60	104	17351	2.565	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.28	83	10548	3.084	ug/L	95
59) Bromoform	9.77	173	4200	2.492	ug/L #	93
60) Isopropylbenzene	9.97	105	27676	2.709	ug/L	99
61) 1,2,3-Trichloropropane	10.31	75	7627	2.850	ug/L	96
62) 1,3,5-Trimethylbenzene	10.58	105	22189	2.537	ug/L	99
63) 1,2,4-Trimethylbenzene	10.95	105	21163	2.454	ug/L	99
64) 1,3-Dichlorobenzene	11.22	146	13133	2.725	ug/L	100
65) 1,4-Dichlorobenzene	11.31	146	14246	2.871	ug/L	98
67) 1,2-Dichlorobenzene	11.68	146	13414	2.871	ug/L	90
68) 1,2-Dibromo-3-chloropropan	12.47	75	2271	3.031	ug/L	88
69) 1,3,5-Trichlorobenzene	12.69	180	9139	2.692	ug/L	97
70) 1,2,4-trichlorobenzene	13.31	180	7688	2.466	ug/L	97
71) Naphthalene	13.55	128	25258	2.467	ug/L	98
72) 1,2,3-Trichlorobenzene	13.79	180	7221	2.384	ug/L	92

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



#2

Dichlorodifluoromethane

Concen: 2.645 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV014551.D

Acq: 10 Feb 2020 14:56

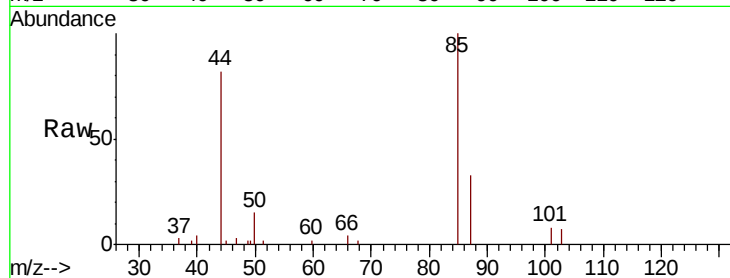
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 6873

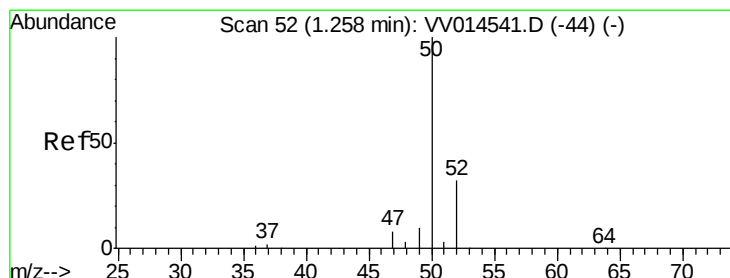
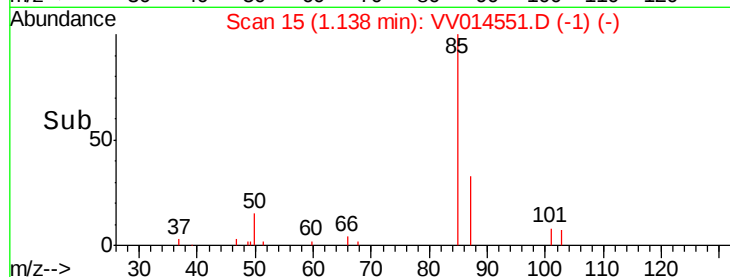
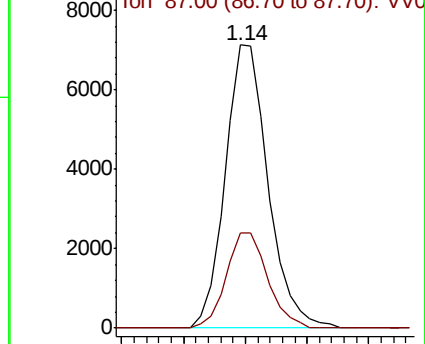
Ion Ratio Lower Upper

85 100

87 32.5 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV014551.D (-8) (-)



#3

Chloromethane

Concen: 2.551 ug/L

RT: 1.26 min Scan# 52

Delta R.T. -0.00 min

Lab File: VV014551.D

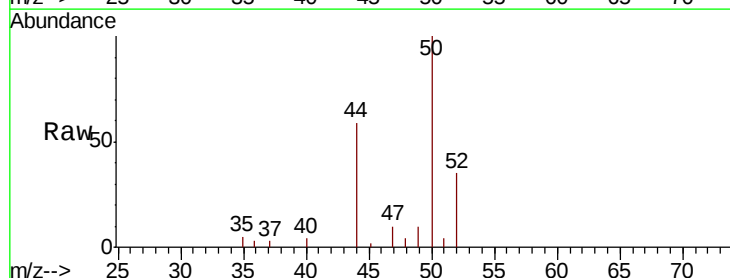
Acq: 10 Feb 2020 14:56

Tgt Ion: 50 Resp: 6712

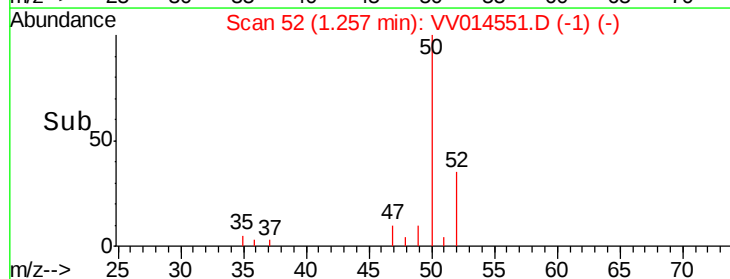
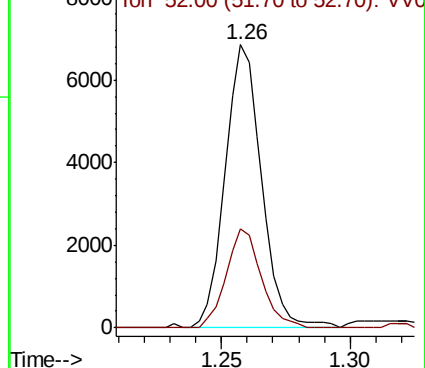
Ion Ratio Lower Upper

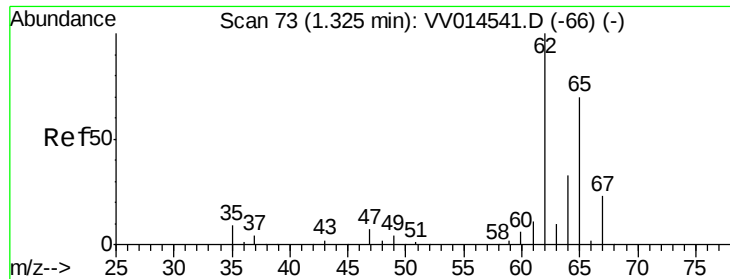
50 100

52 35.2 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VV014551.D (-44) (-)





#5

Vinyl chloride

Concen: 2.456 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV014551.D

Acq: 10 Feb 2020 14:56

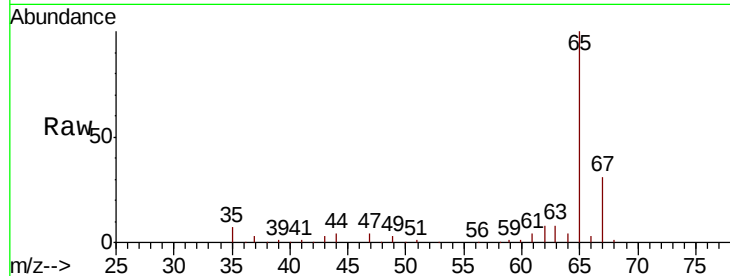
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 4948

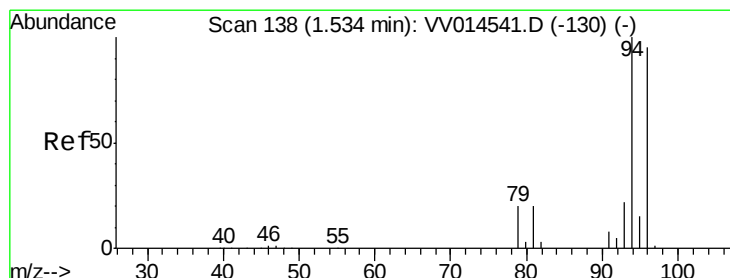
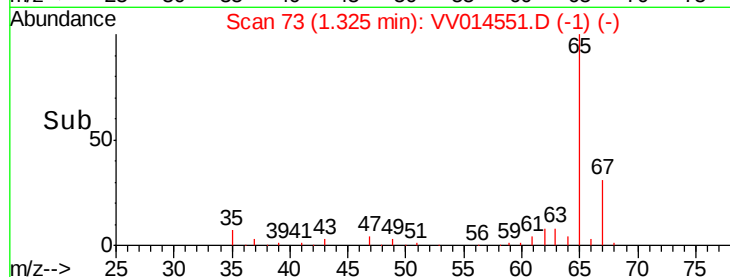
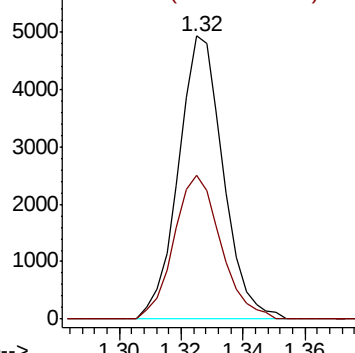
Ion Ratio Lower Upper

62 100

64 51.0 23.1 42.9#



Abundance Ion 62.00 (61.70 to 62.70): VV0
Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 2.441 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV014551.D

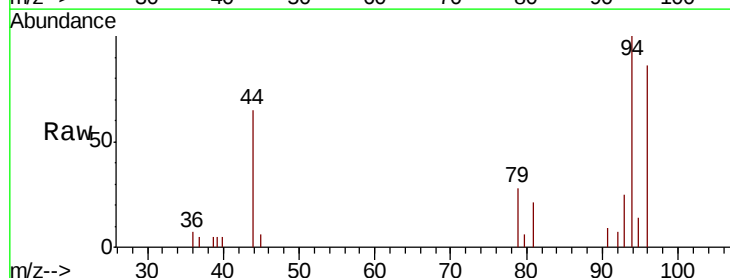
Acq: 10 Feb 2020 14:56

Tgt Ion: 94 Resp: 2262

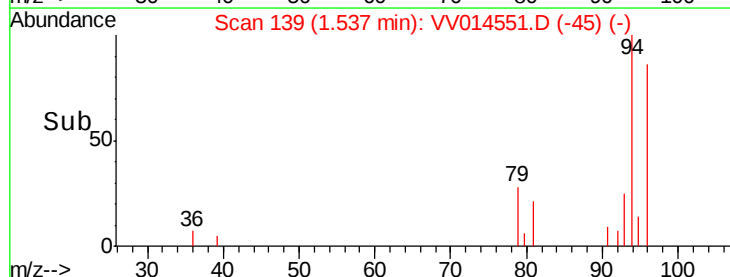
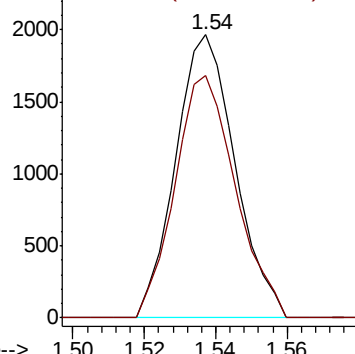
Ion Ratio Lower Upper

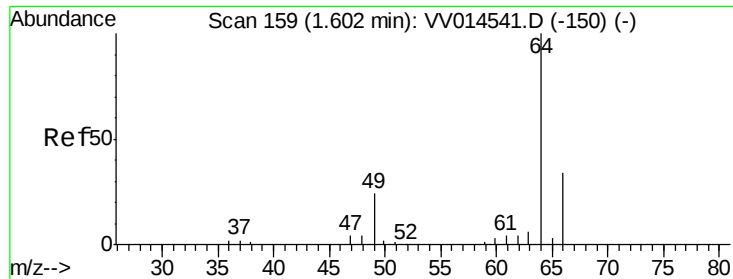
94 100

96 85.6 67.3 124.9



Abundance Ion 94.00 (93.70 to 94.70): VV0
Ion 96.00 (95.70 to 96.70): VV0

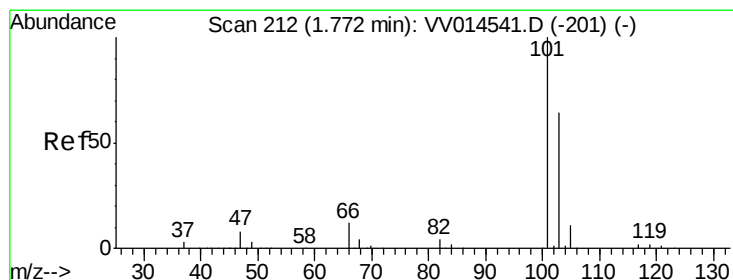
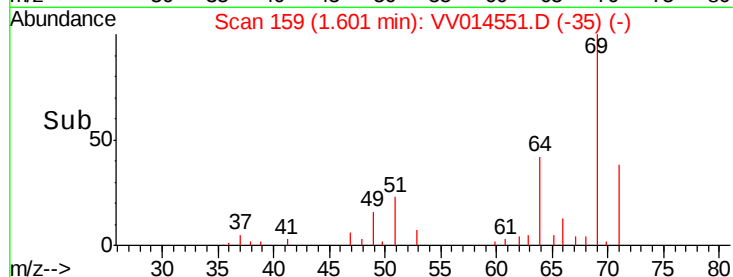
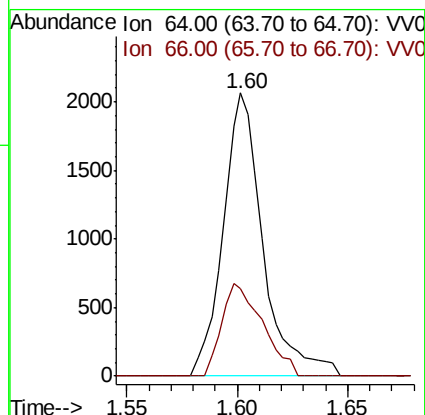
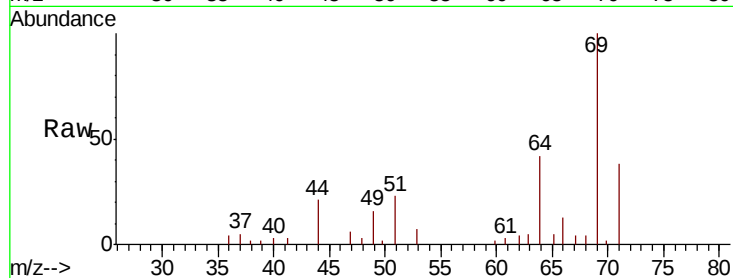




#8
Chloroethane
Concen: 2.580 ug/L
RT: 1.60 min Scan# 159
Delta R.T. -0.00 min
Lab File: VV014551.D
Acq: 10 Feb 2020 14:56

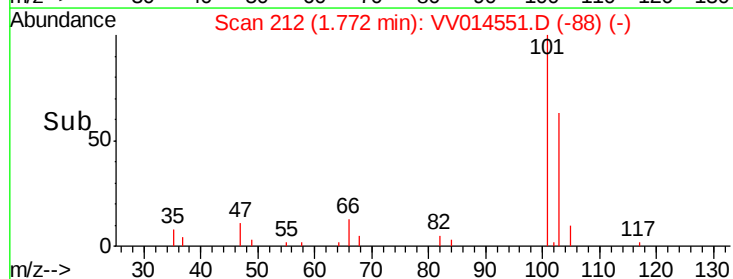
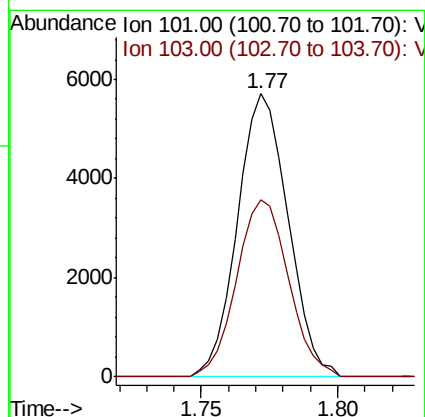
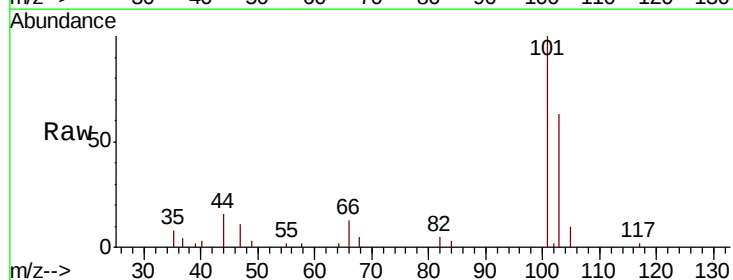
Instrument :
MSVOA_V
ClientSampled :

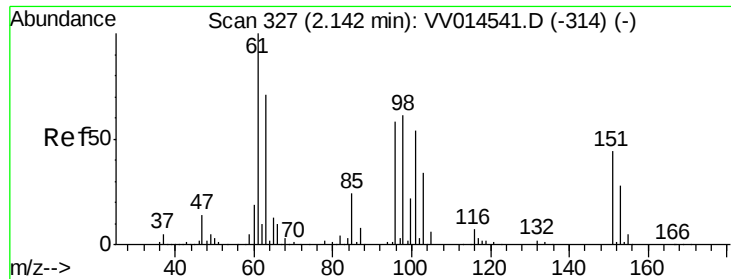
Tot Ion: 64 Resp: 2583
Ion Ratio Lower Upper
64 100
66 31.1 22.4 41.6



#9
Trichlorofluoromethane
Concen: 2.712 ug/L
RT: 1.77 min Scan# 212
Delta R.T. -0.00 min
Lab File: VV014551.D
Acq: 10 Feb 2020 14:56

Tgt Ion: 101 Resp: 7361
Ion Ratio Lower Upper
101 100
103 64.4 51.8 77.8





#10

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

Concen: 3.310 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV014551.D

Acq: 10 Feb 2020 14:56

Instrument :

MSVOA_V

ClientSampleId :

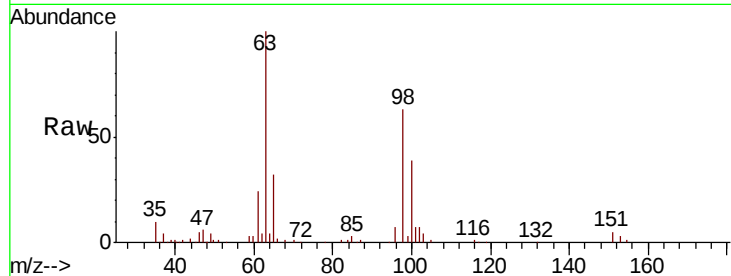
Tot Ion:101 Resp: 4314

Ion Ratio Lower Upper

101 100

85 31.8 35.0 52.6#

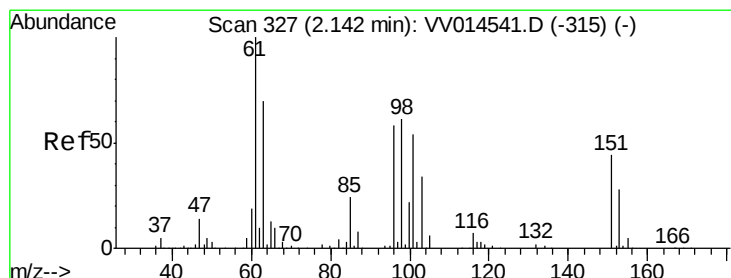
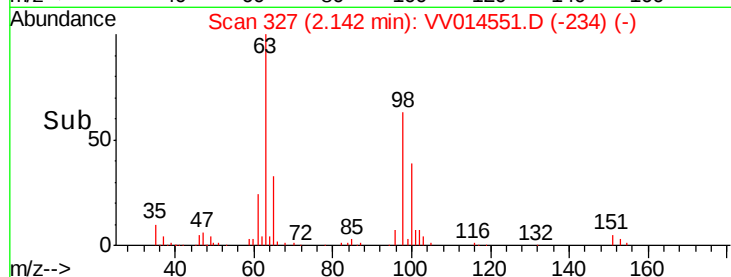
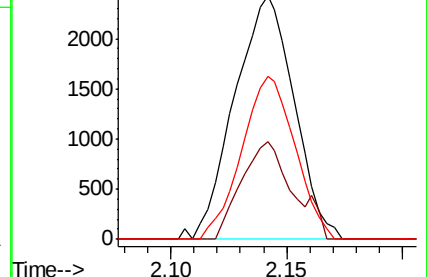
151 60.2 64.4 96.6#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 3.076 ug/L

RT: 2.14 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV014551.D

Acq: 10 Feb 2020 14:56

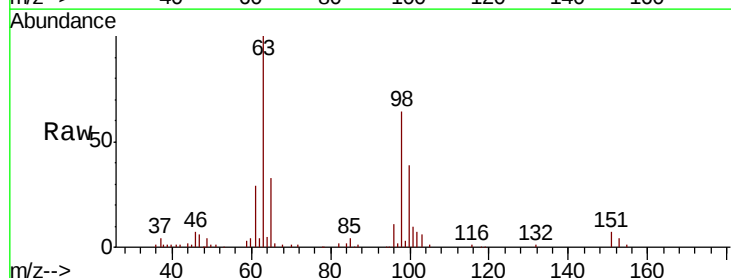
Tgt Ion: 96 Resp: 3834

Ion Ratio Lower Upper

96 100

61 254.5 125.0 232.2#

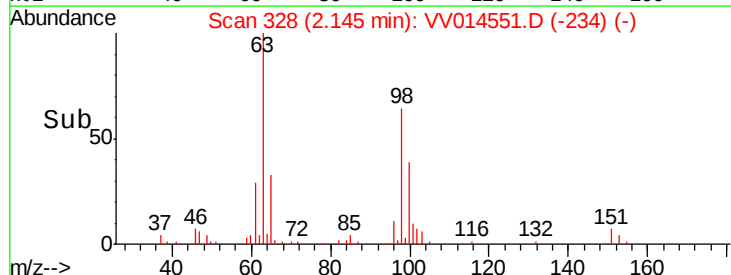
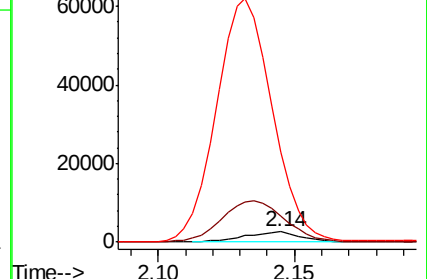
63 890.0 101.6 188.6#

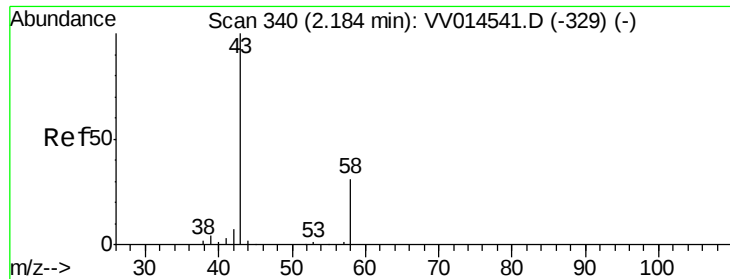


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 6.484 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV014551.D

Acq: 10 Feb 2020 14:56

Instrument :

MSVOA_V

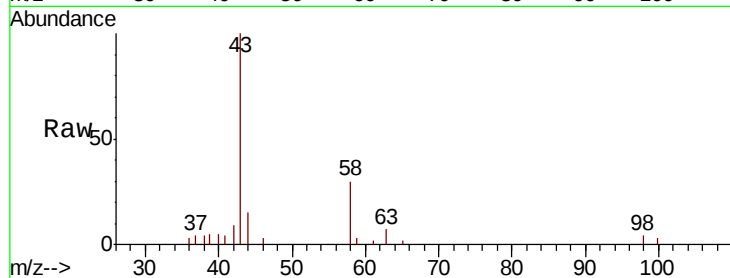
ClientSampled :

Tot Ion: 43 Resp: 7371

Ion Ratio Lower Upper

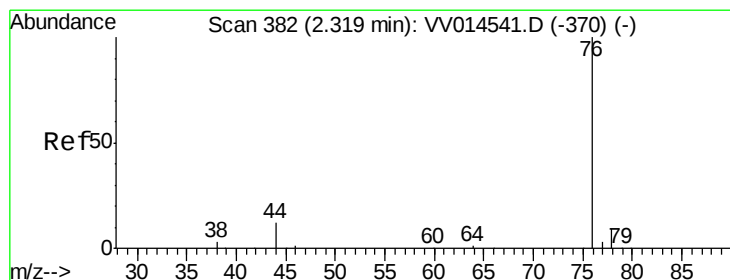
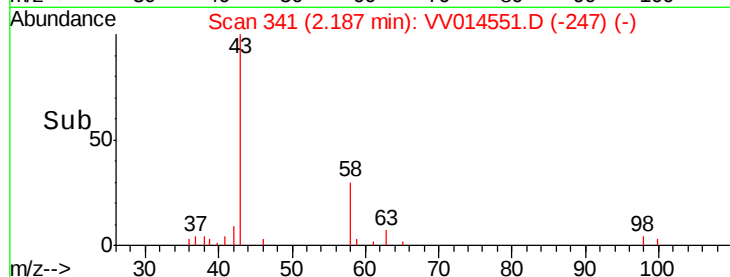
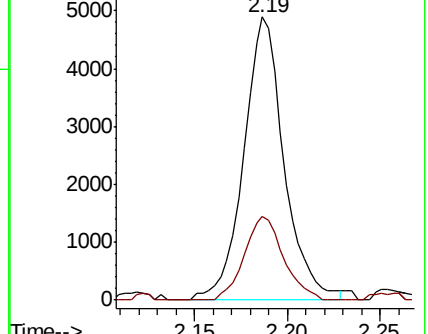
43 100

58 28.7 0.0 61.8



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



#14

Carbon disulfide

Concen: 2.435 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VV014551.D

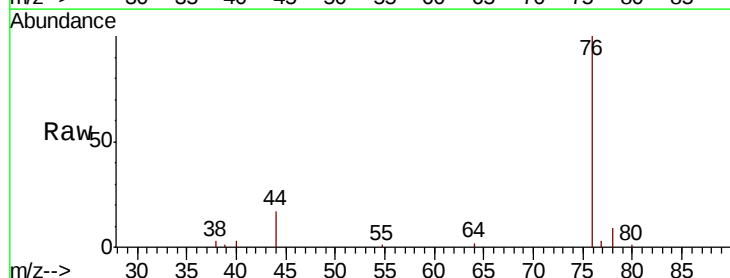
Acq: 10 Feb 2020 14:56

Tgt Ion: 76 Resp: 14739

Ion Ratio Lower Upper

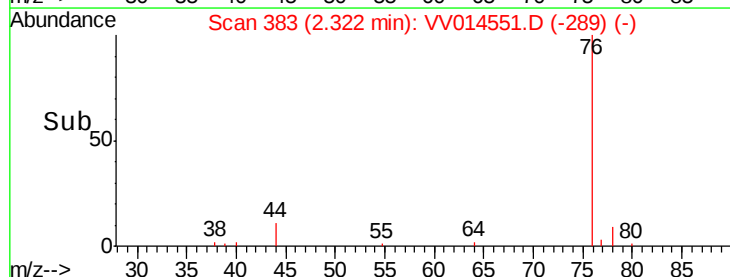
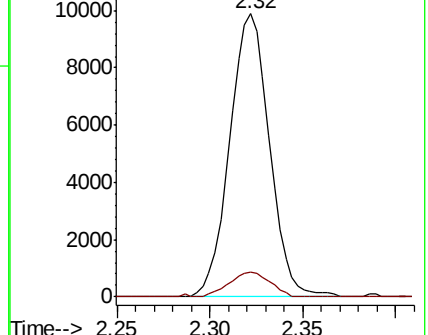
76 100

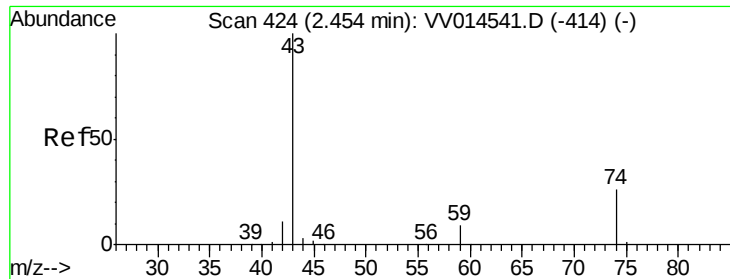
78 8.6 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0

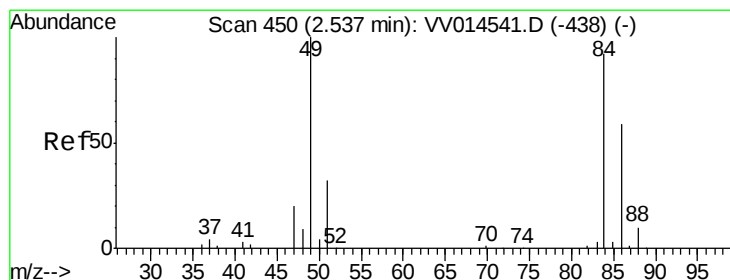
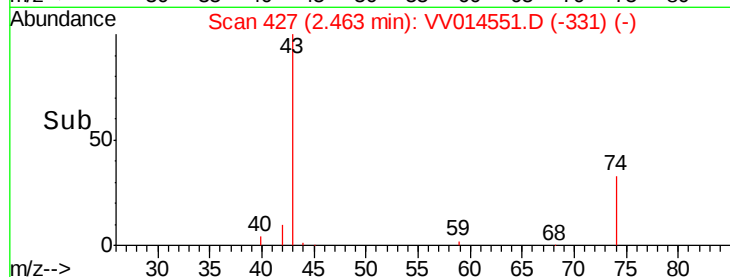
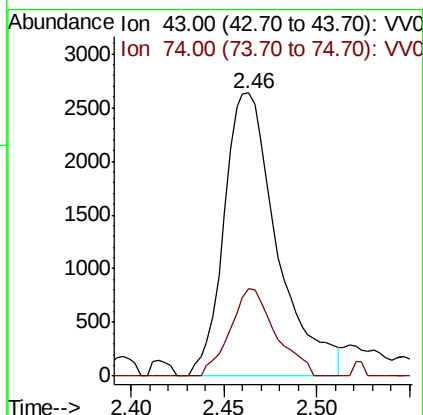
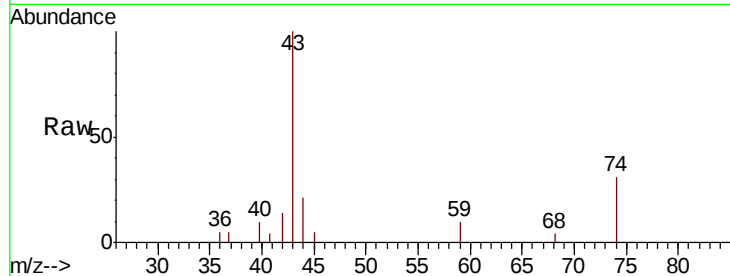




#15
Methvl Acetate
Concen: 2.399 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.01 min
Lab File: VV014551.D
Acq: 10 Feb 2020 14:56

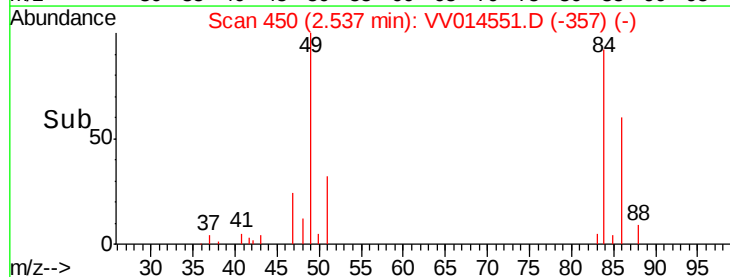
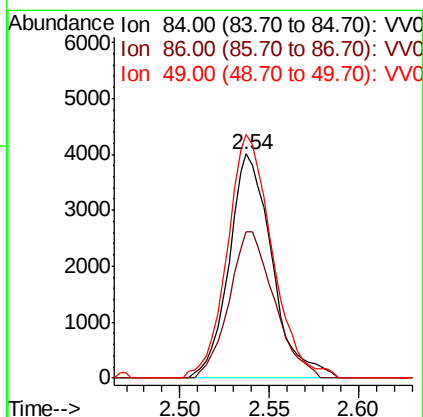
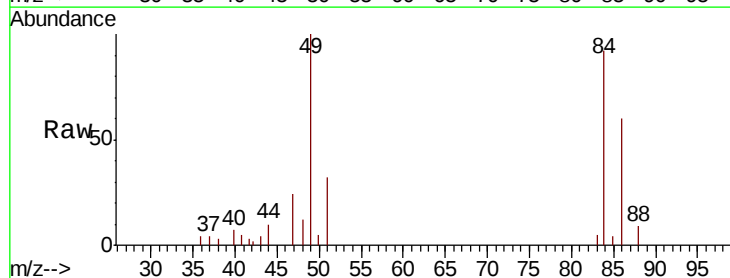
Instrument :
MSVOA_V
ClientSampleId :

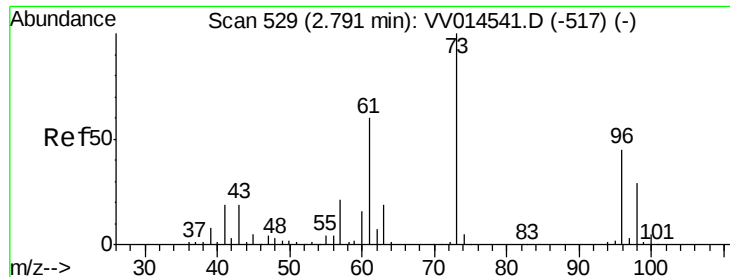
Tot Ion: 43 Resp: 5244
Ion Ratio Lower Upper
43 100
74 26.5 19.4 29.0



#16
Methylene chloride
Concen: 2.832 ug/L
RT: 2.54 min Scan# 450
Delta R.T. -0.00 min
Lab File: VV014551.D
Acq: 10 Feb 2020 14:56

Tgt Ion: 84 Resp: 6706
Ion Ratio Lower Upper
84 100
86 65.0 44.6 82.8
49 108.5 83.2 154.4

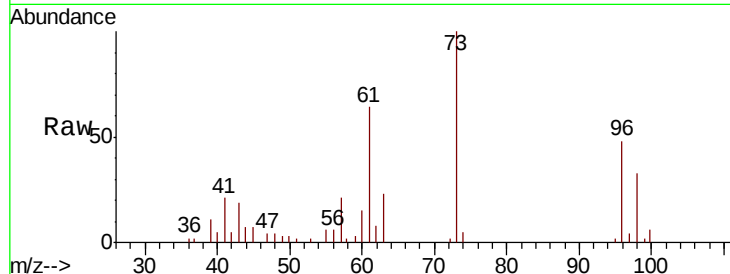




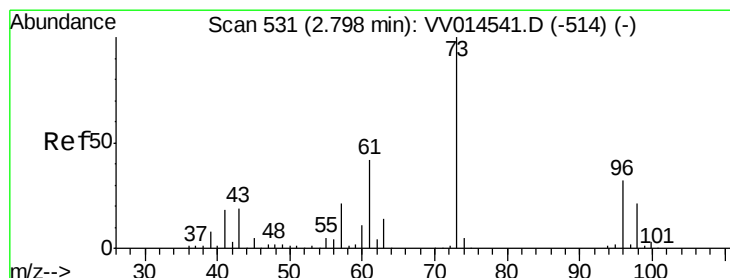
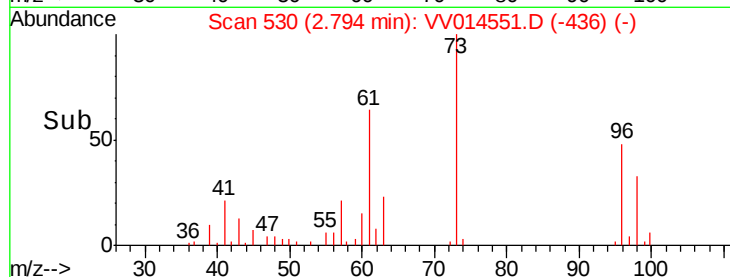
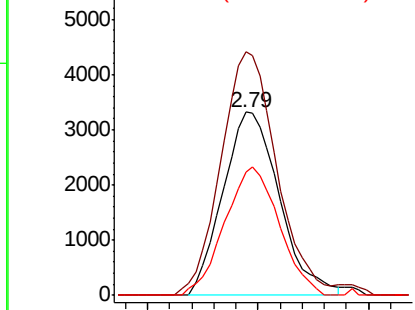
#17
trans-1,2-Dichloroethene
Concen: 2.690 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.00 min
Lab File: VV014551.D
Acq: 10 Feb 2020 14:56

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 96 Resp: 5909
Ion Ratio Lower Upper
96 100
61 133.1 95.8 178.0
98 67.7 45.1 83.7

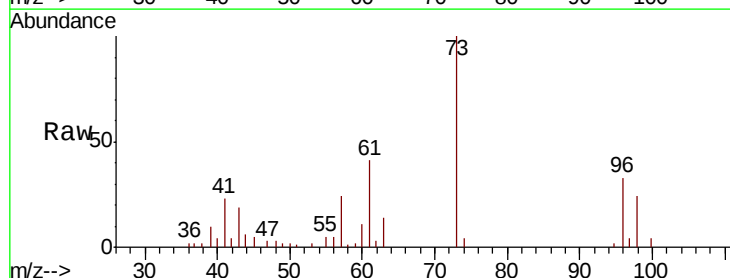


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

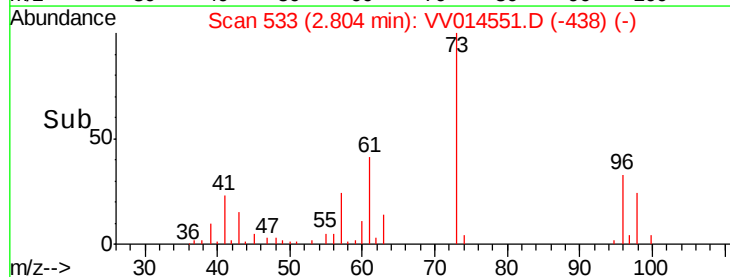
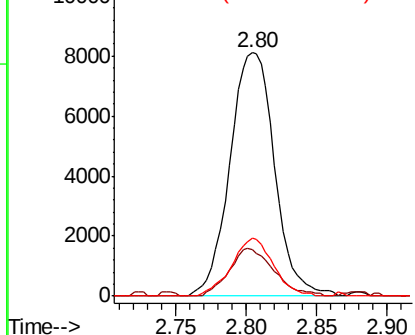


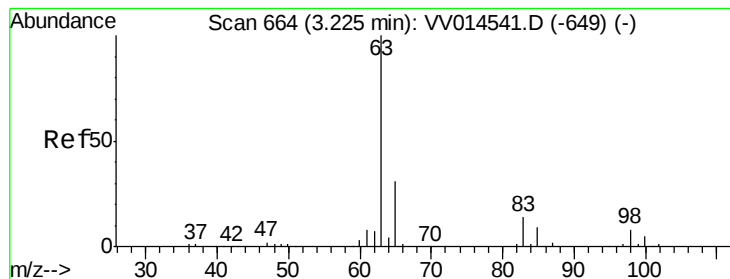
#18
Methyl tert-butyl Ether
Concen: 2.588 ug/L
RT: 2.80 min Scan# 533
Delta R.T. 0.01 min
Lab File: VV014551.D
Acq: 10 Feb 2020 14:56

Tgt Ion: 73 Resp: 17998
Ion Ratio Lower Upper
73 100
43 19.5 14.9 22.3
57 22.1 17.5 26.3



Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 2.368 ug/L

RT: 3.23 min Scan# 666

Delta R.T. 0.01 min

Lab File: VV014551.D

Acq: 10 Feb 2020 14:56

Instrument :
MSVOA_V
ClientSampleId :

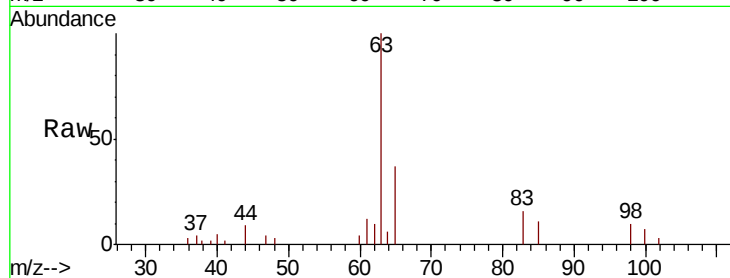
Tot Ion: 63 Resp: 9302

Ion Ratio Lower Upper

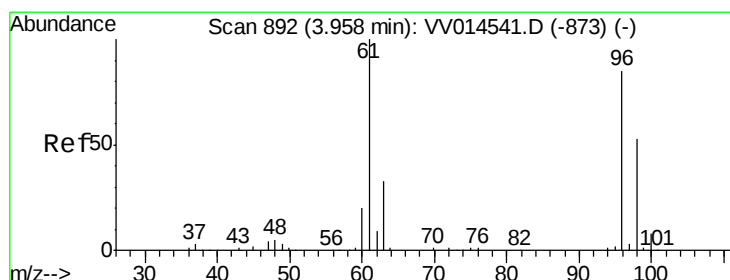
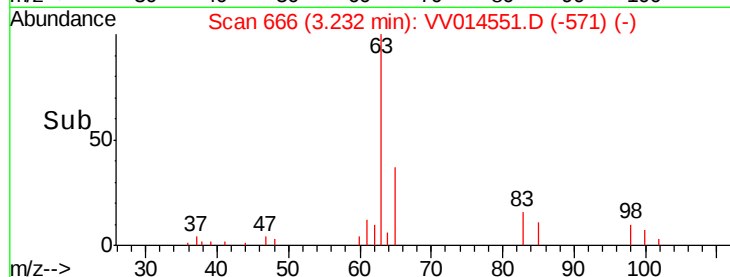
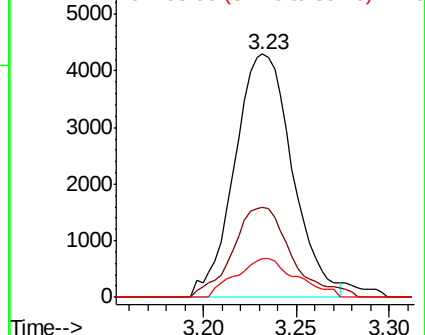
63 100

65 36.9 22.5 41.7

83 15.7 9.7 18.1



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 65.00 (64.70 to 65.70): VV0
Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 2.578 ug/L

RT: 3.96 min Scan# 893

Delta R.T. 0.00 min

Lab File: VV014551.D

Acq: 10 Feb 2020 14:56

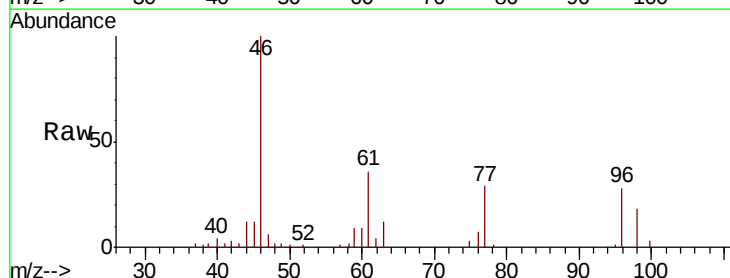
Tgt Ion: 96 Resp: 6371

Ion Ratio Lower Upper

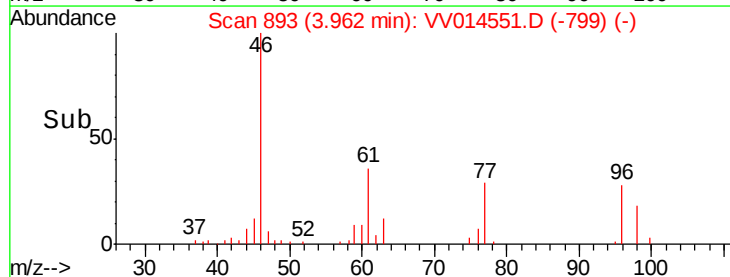
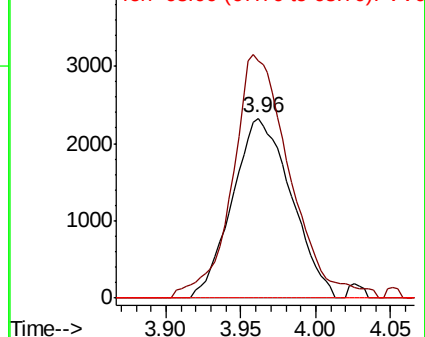
96 100

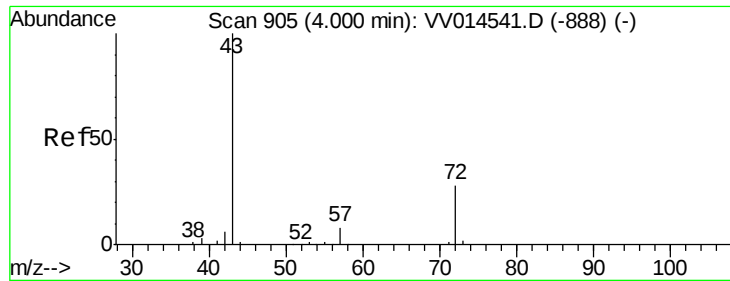
61 132.0 85.2 158.2

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 4.076 ug/L

RT: 4.03 min Scan# 914

Delta R.T. 0.03 min

Lab File: VV014551.D

Acq: 10 Feb 2020 14:56

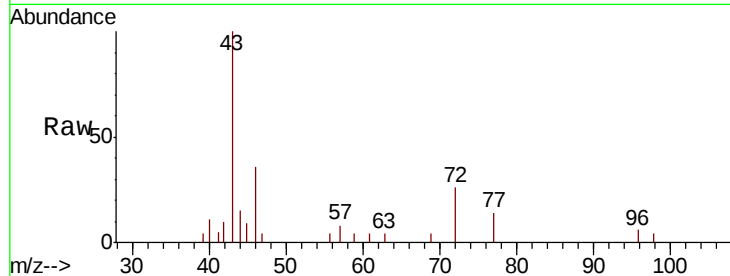
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 6853

Ion Ratio Lower Upper

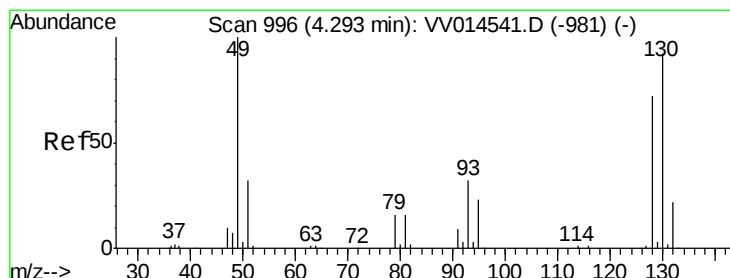
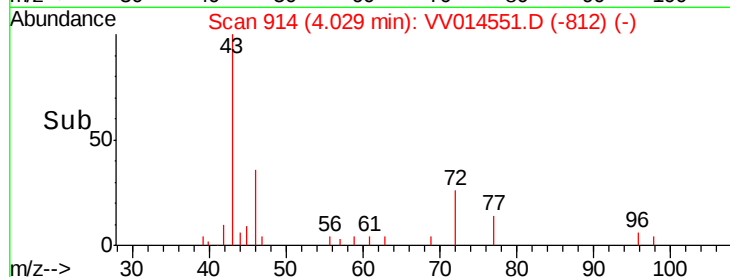
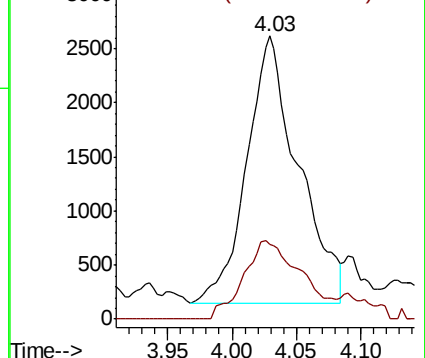
43 100

72 31.7 12.7 38.1



Abundance Ion 43.00 (42.70 to 43.70): VV014551.D (-912) (-)

Ion 72.00 (71.70 to 72.70): VV014551.D (-912) (-)



#23

Bromochloromethane

Concen: 1.392 ug/L

RT: 4.30 min Scan# 997

Delta R.T. 0.00 min

Lab File: VV014551.D

Acq: 10 Feb 2020 14:56

Tgt Ion: 128 Resp: 1629

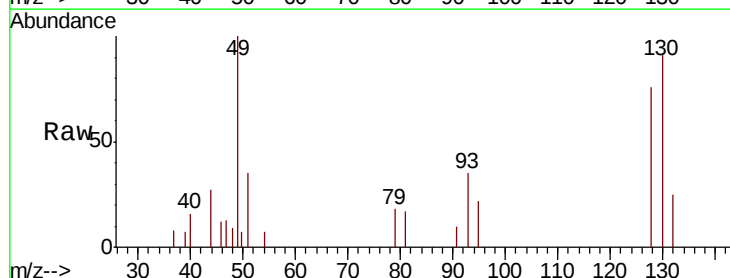
Ion Ratio Lower Upper

128 100

49 132.1 110.1 204.5

130 119.9 88.5 164.4

51 46.0 39.4 59.0

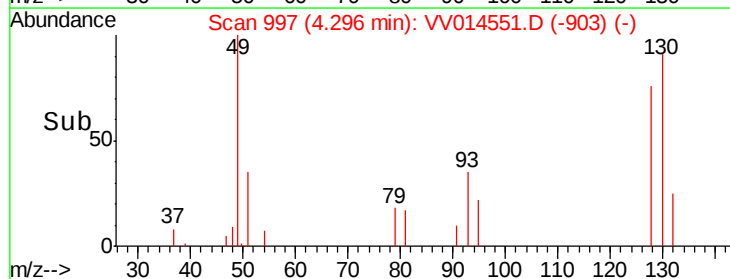
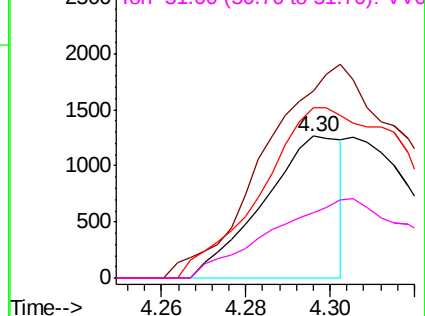


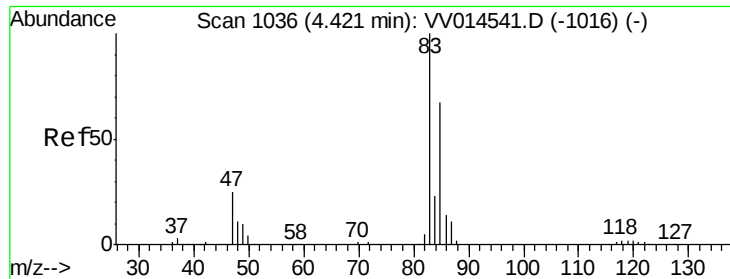
Abundance Ion 128.00 (127.70 to 128.70): VV014551.D (-903) (-)

Ion 49.00 (48.70 to 49.70): VV014551.D (-903) (-)

Ion 130.00 (129.70 to 130.70): VV014551.D (-903) (-)

Ion 51.00 (50.70 to 51.70): VV014551.D (-903) (-)

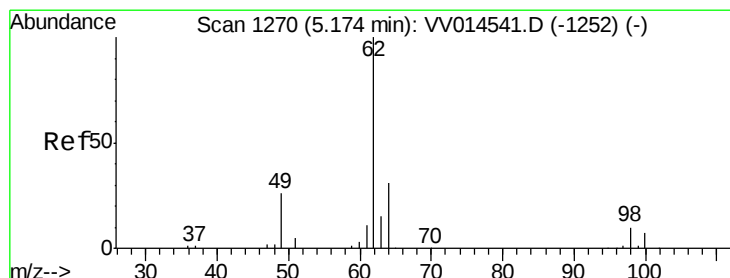
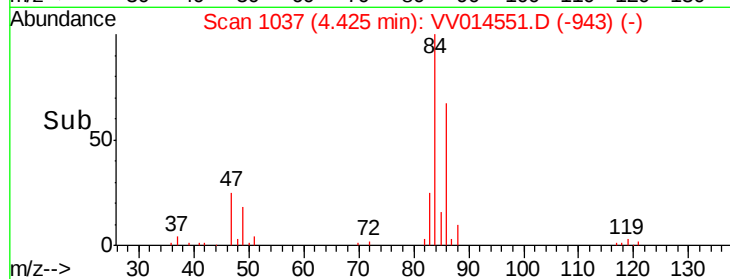
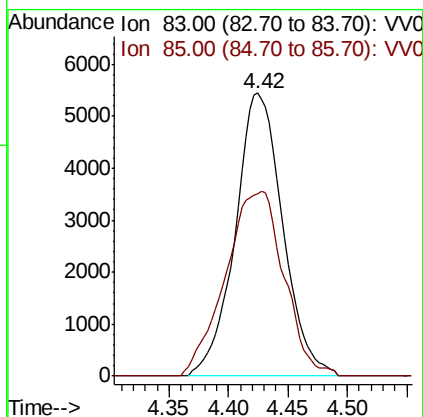
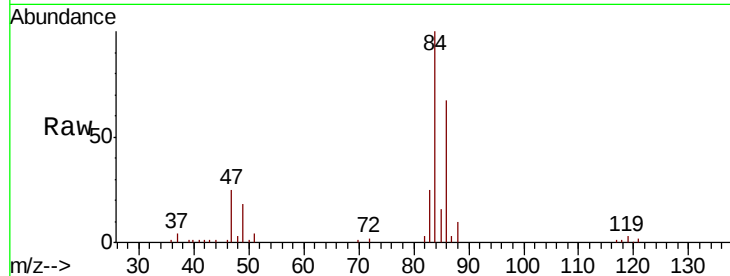




#25
Chloroform
Concen: 3.779 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV014551.D
Acq: 10 Feb 2020 14:56

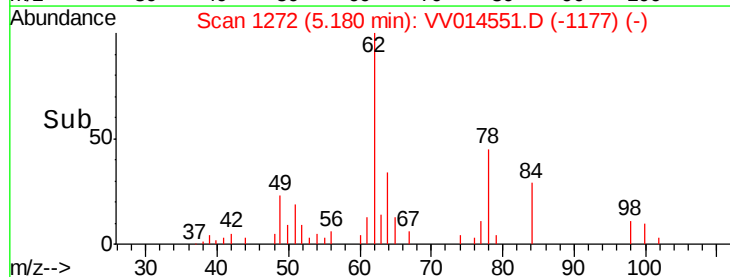
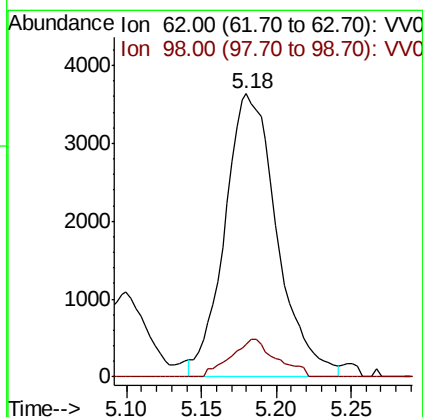
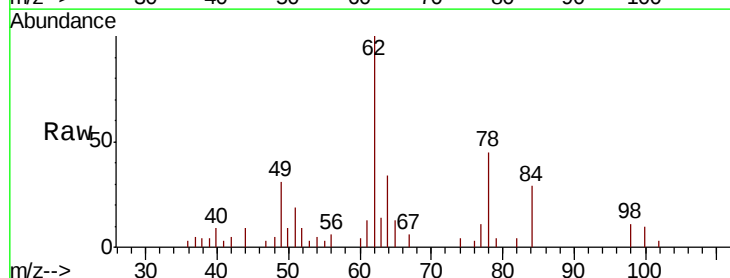
Instrument :
MSVOA_V
ClientSampled :

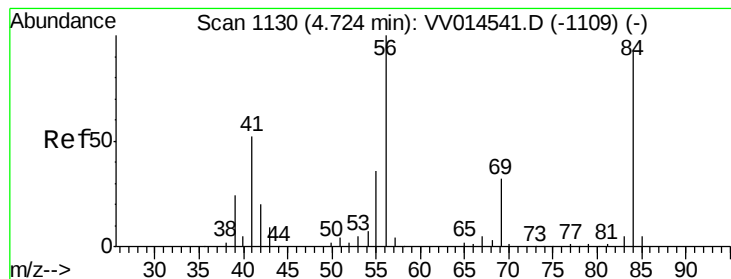
Tot Ion: 83 Resp: 15093
Ion Ratio Lower Upper
83 100
85 64.5 45.8 85.0



#27
1,2-Dichloroethane
Concen: 2.972 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.01 min
Lab File: VV014551.D
Acq: 10 Feb 2020 14:56

Tgt Ion: 62 Resp: 8845
Ion Ratio Lower Upper
62 100
98 11.5 8.2 12.4





#29

Cyclohexane

Concen: 2.497 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VV014551.D

Acq: 10 Feb 2020 14:56

Instrument :
MSVOA_V
ClientSampled :

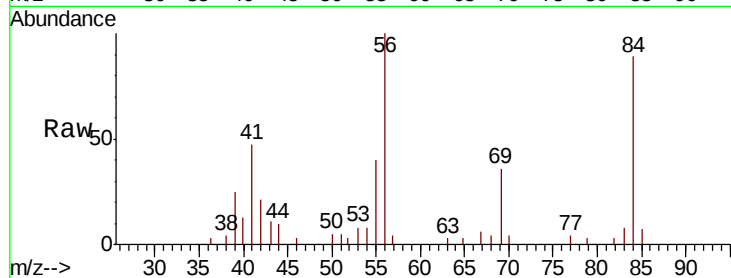
Tot Ion: 56 Resp: 9326

Ion Ratio Lower Upper

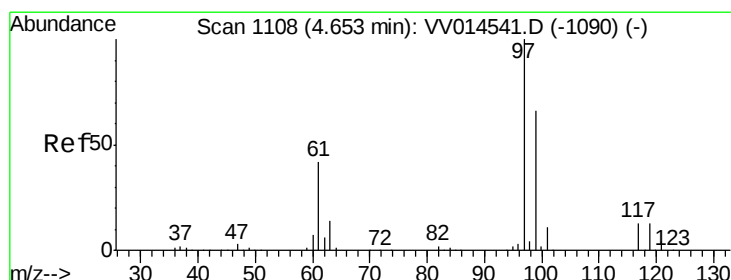
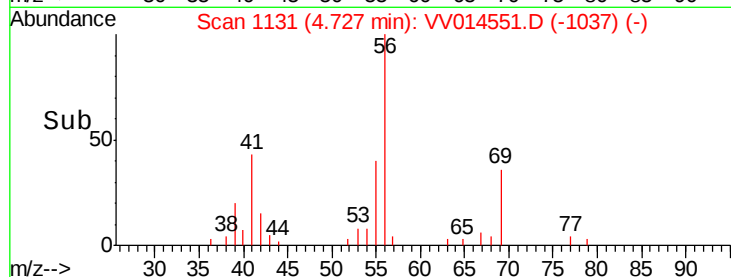
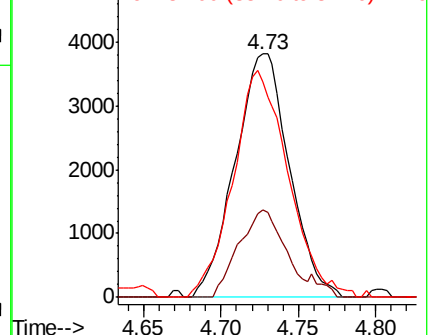
56 100

69 30.4 25.2 37.8

84 93.1 69.8 104.8



Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 2.763 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. 0.01 min

Lab File: VV014551.D

Acq: 10 Feb 2020 14:56

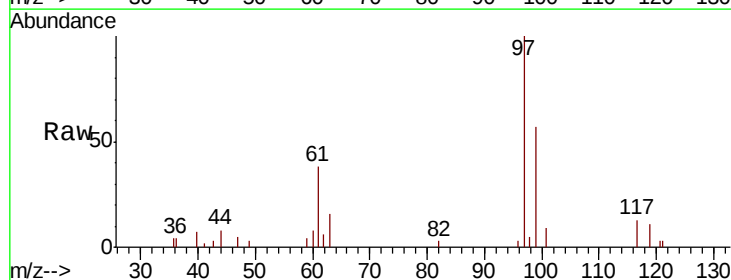
Tgt Ion: 97 Resp: 9577

Ion Ratio Lower Upper

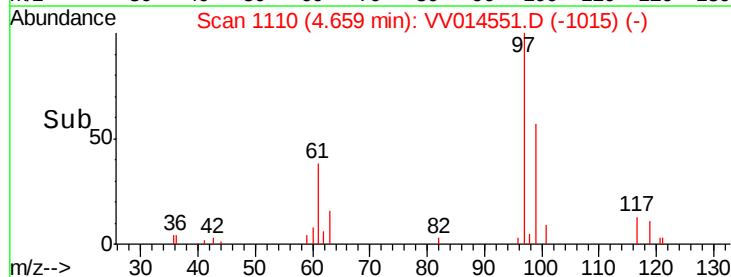
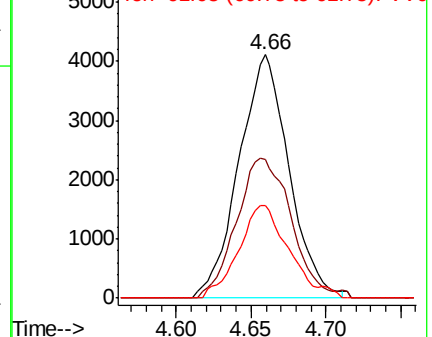
97 100

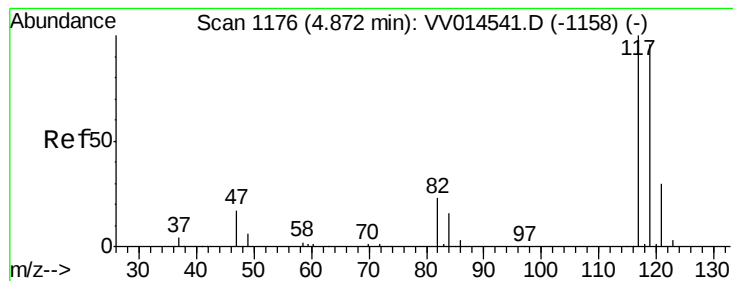
99 62.5 50.6 76.0

61 37.2 33.0 49.4



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0



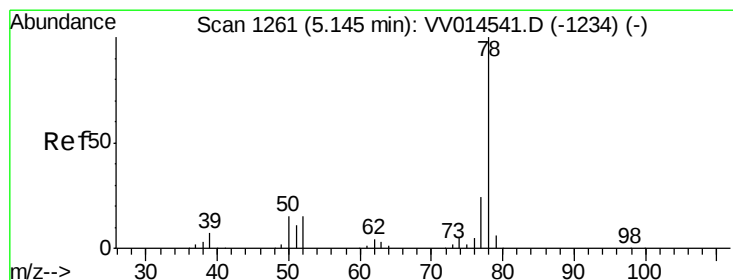
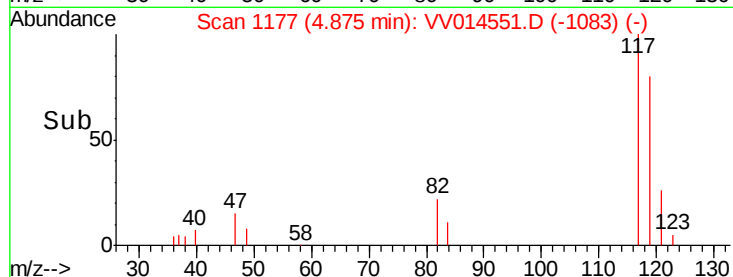
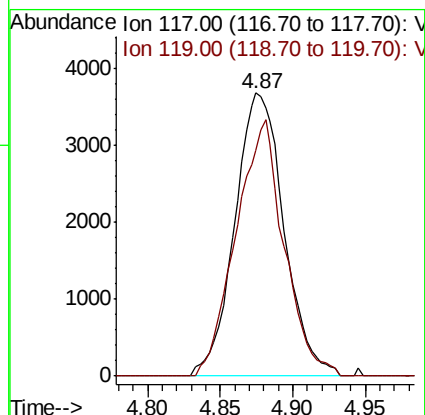
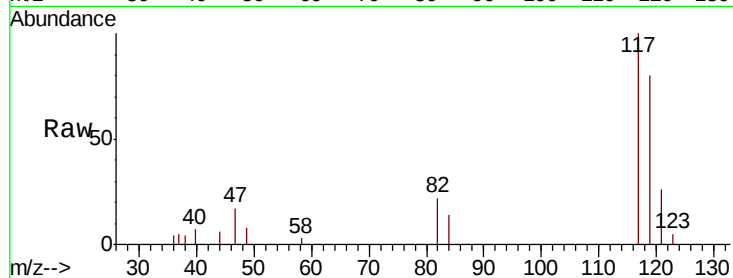


#31

Carbon tetrachloride
 Concen: 2.839 ug/L
 RT: 4.87 min Scan# 1177
 Delta R.T. 0.00 min
 Lab File: VV014551.D
 Acq: 10 Feb 2020 14:56

Instrument :
 MSVOA_V
 ClientSampleId :

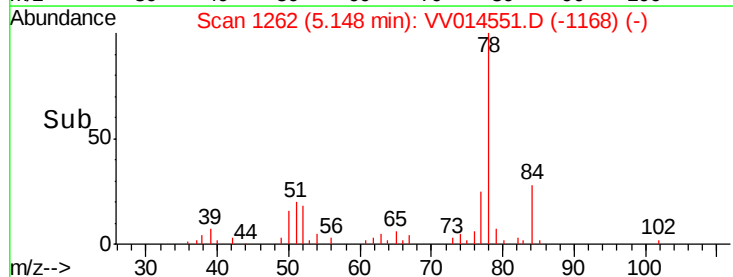
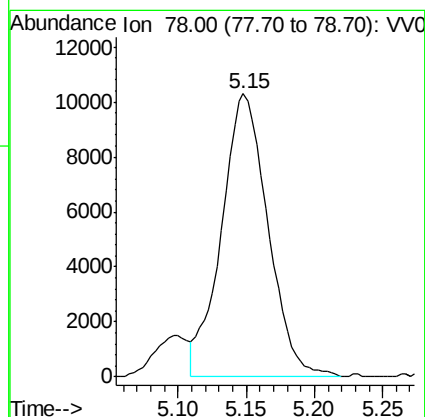
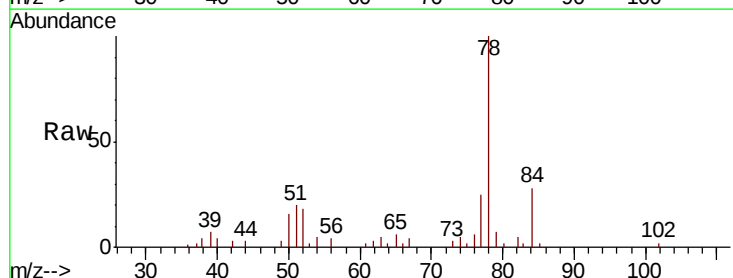
Tot Ion:117 Resp: 8683
 Ion Ratio Lower Upper
 117 100
 119 88.3 76.7 115.1

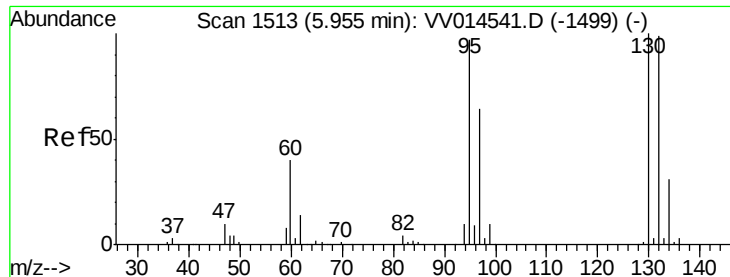


#33

Benzene
 Concen: 2.730 ug/L
 RT: 5.15 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VV014551.D
 Acq: 10 Feb 2020 14:56

Tgt Ion: 78 Resp: 24378

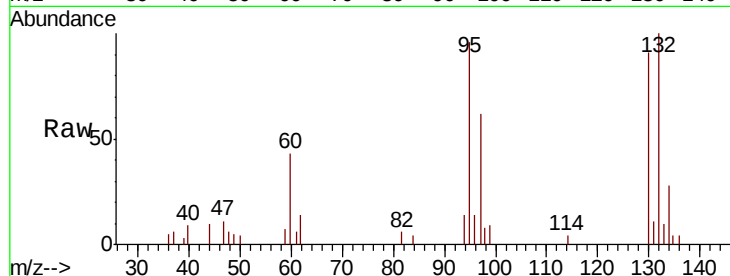




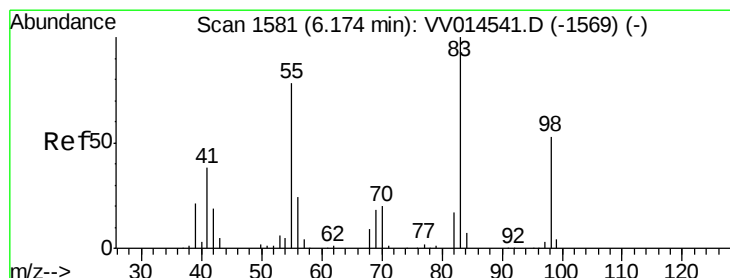
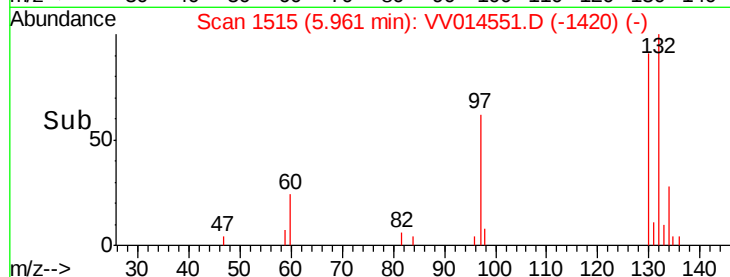
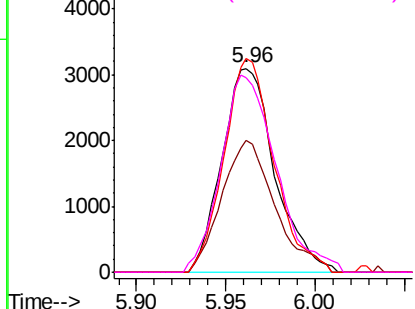
#34
 Trichloroethene
 Concen: 2.715 ug/L
 RT: 5.96 min Scan# 1515
 Delta R.T. 0.01 min
 Lab File: VV014551.D
 Acq: 10 Feb 2020 14:56

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 6426
 Ion Ratio Lower Upper
 95 100
 97 64.7 45.1 83.7
 132 104.6 67.7 125.7
 130 95.6 70.5 130.9

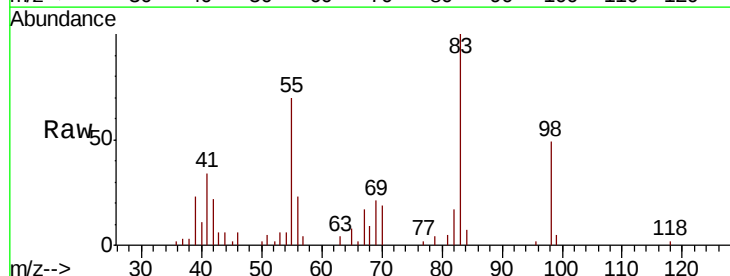


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

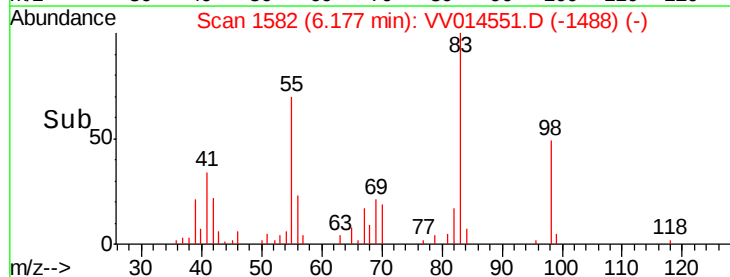
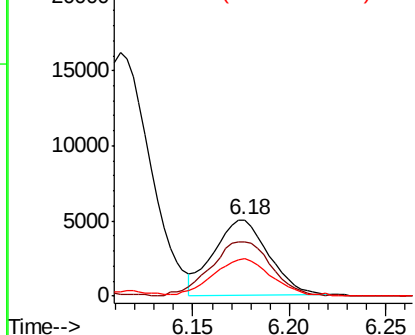


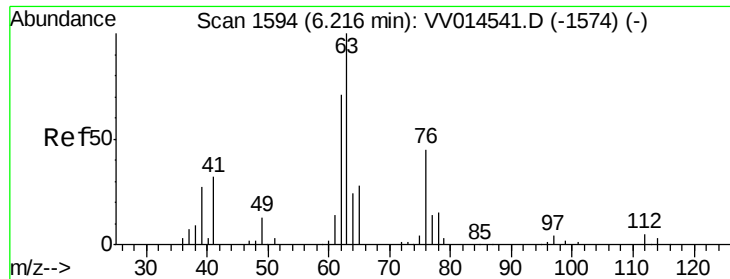
#35
 Methylcyclohexane
 Concen: 2.543 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: VV014551.D
 Acq: 10 Feb 2020 14:56

Tgt Ion: 83 Resp: 9837
 Ion Ratio Lower Upper
 83 100
 55 79.7 60.7 91.1
 98 52.7 39.4 59.0



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

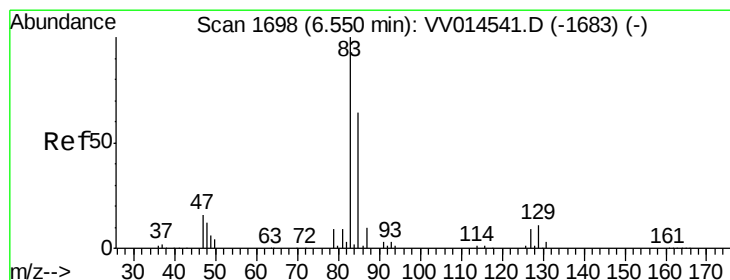
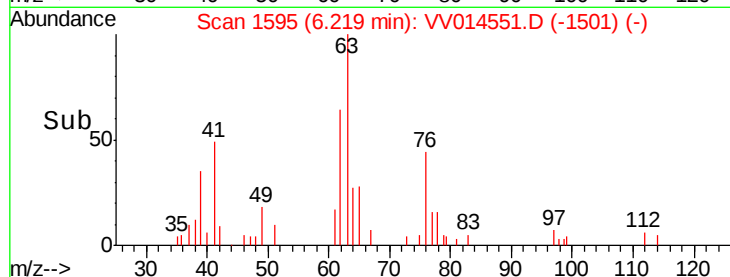
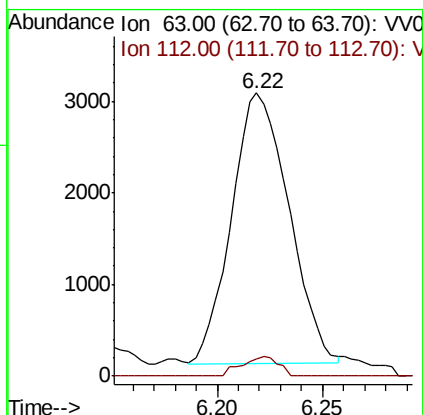
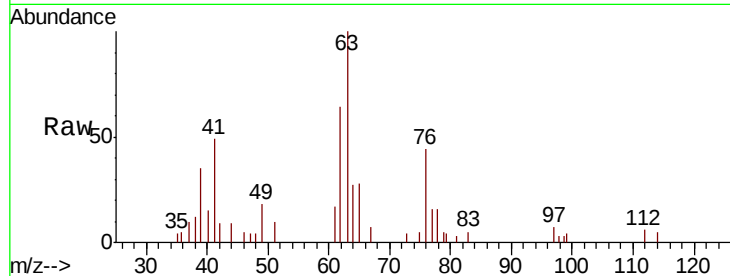




#37
 1,2-Dichloropropane
 Concen: 2.449 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV014551.D
 Acq: 10 Feb 2020 14:56

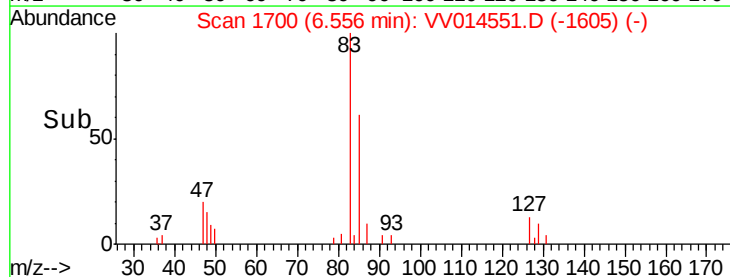
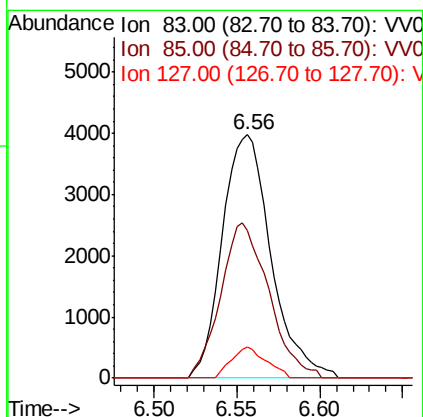
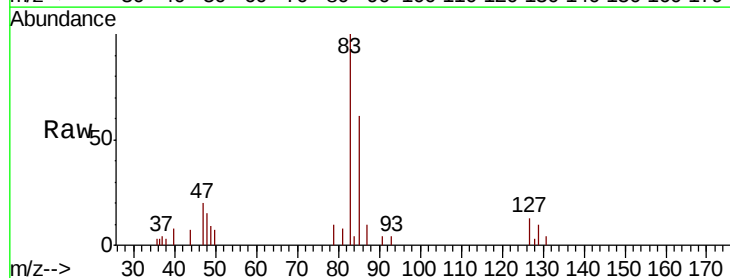
Instrument :
 MSVOA_V
 ClientSampleId :

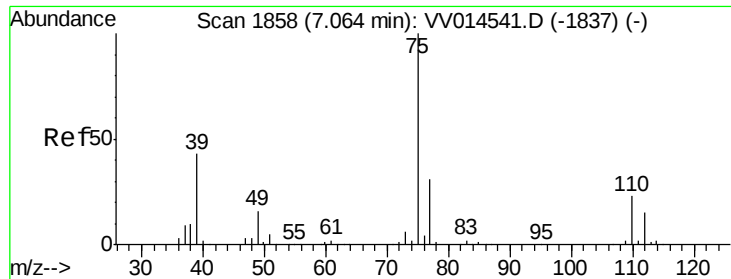
Tot Ion: 63 Resp: 5571
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.7 5.5



#38
 Bromodichloromethane
 Concen: 2.664 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.01 min
 Lab File: VV014551.D
 Acq: 10 Feb 2020 14:56

Tgt Ion: 83 Resp: 8133
 Ion Ratio Lower Upper
 83 100
 85 60.5 44.4 82.4
 127 12.8 6.7 10.1#

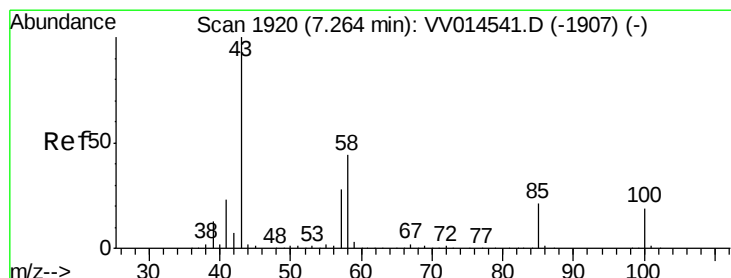
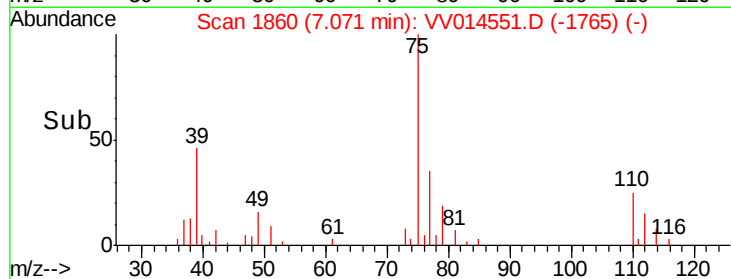
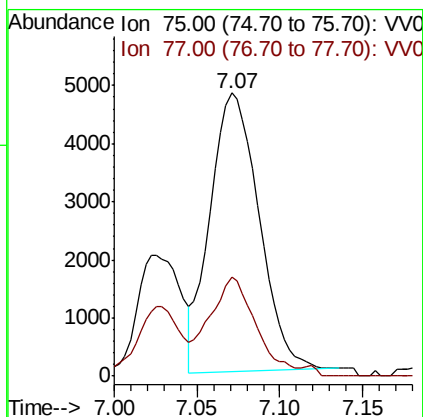
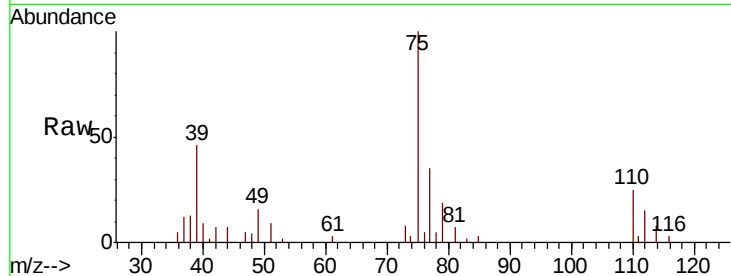




#39
 cis-1,3-Dichloropropene
 Concen: 2.605 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.01 min
 Lab File: VV014551.D
 Acq: 10 Feb 2020 14:56

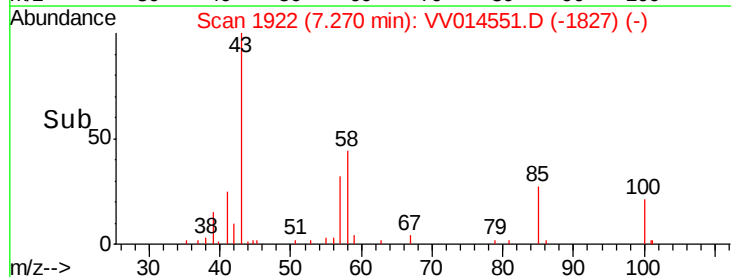
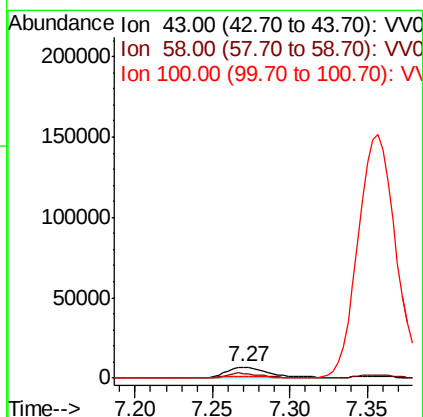
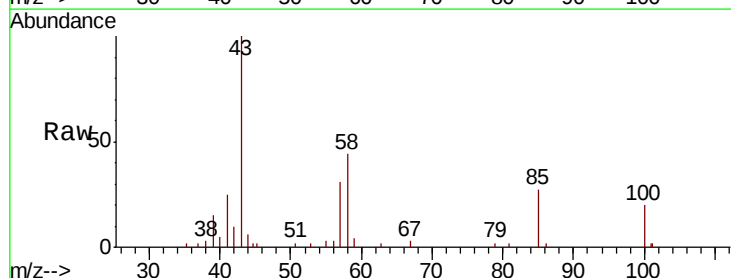
Instrument :
 MSVOA_V
 ClientSampled :

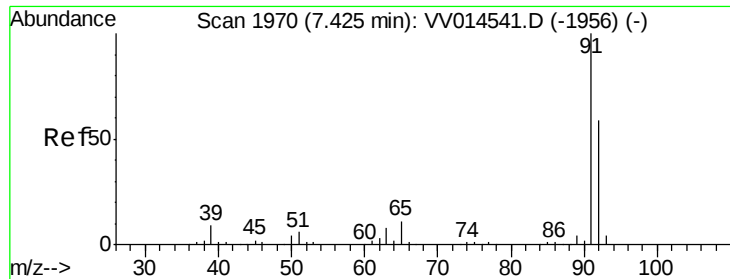
Tot Ion: 75 Resp: 9885
 Ion Ratio Lower Upper
 75 100
 77 35.1 22.7 42.1



#40
 4-Methyl-2-pentanone
 Concen: 4.579 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.01 min
 Lab File: VV014551.D
 Acq: 10 Feb 2020 14:56

Tgt Ion: 43 Resp: 13458
 Ion Ratio Lower Upper
 43 100
 58 41.4 33.2 49.8
 100 19.0 13.9 20.9





#42

Toluene

Concen: 2.740 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VV014551.D

Acq: 10 Feb 2020 14:56

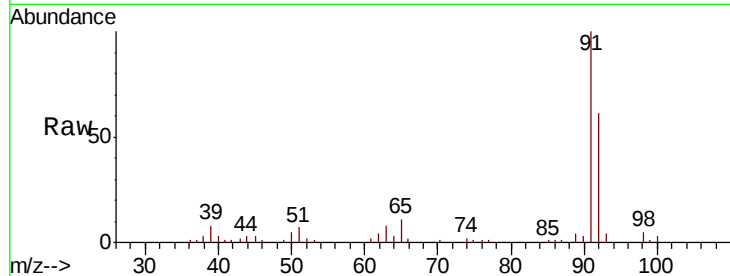
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 26239

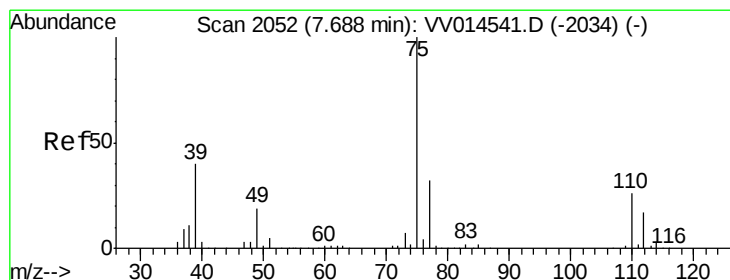
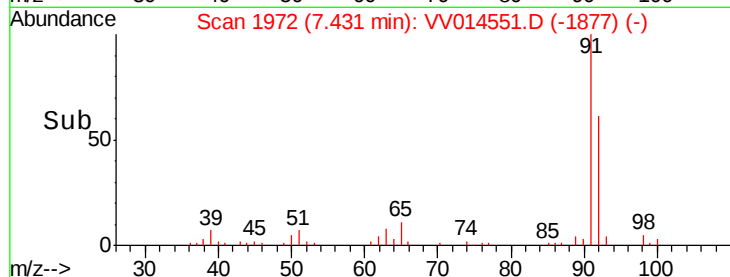
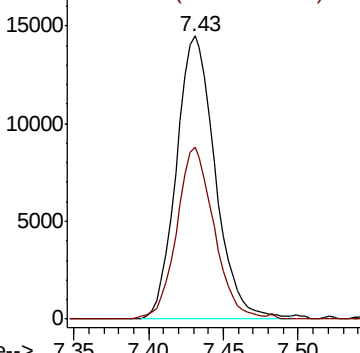
Ion Ratio Lower Upper

91 100

92 60.9 41.6 77.2



Abundance Ion 91.00 (90.70 to 91.70): VV0
Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 2.818 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.01 min

Lab File: VV014551.D

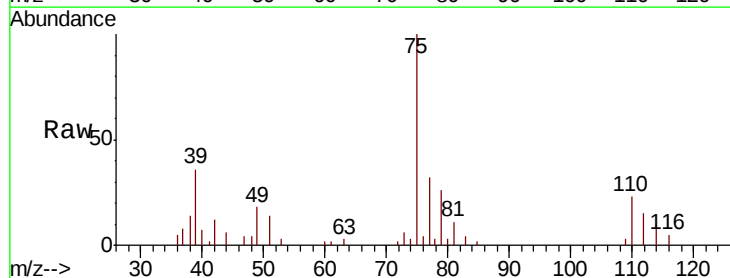
Acq: 10 Feb 2020 14:56

Tgt Ion: 75 Resp: 9586

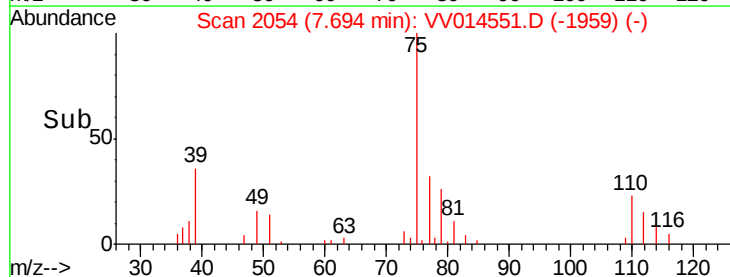
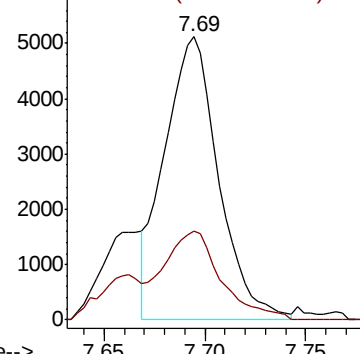
Ion Ratio Lower Upper

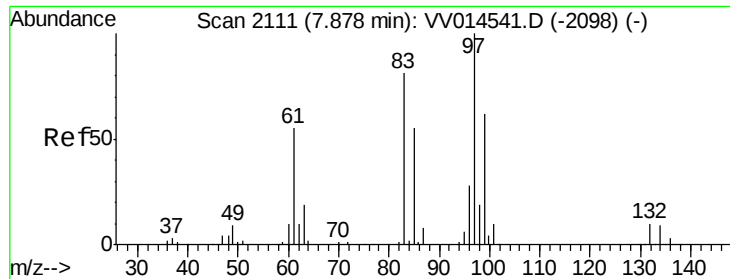
75 100

77 31.6 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VV0
Ion 77.00 (76.70 to 77.70): VV0

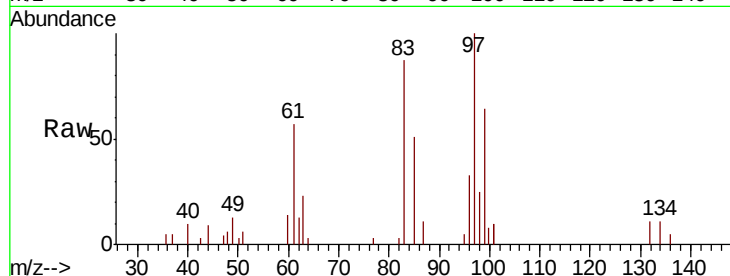




#45
1,1,2-Trichloroethane
Concen: 2.743 ug/L
RT: 7.88 min Scan# 2112
Delta R.T. 0.00 min
Lab File: VV014551.D
Acq: 10 Feb 2020 14:56

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	97	Resp:	5985
Ion	Ratio	Lower	Upper
97	100		
99	63.8	44.5	82.7
83	86.8	60.1	111.5
85	51.2	38.1	70.9



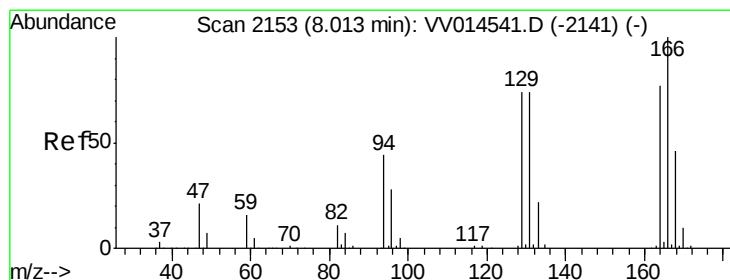
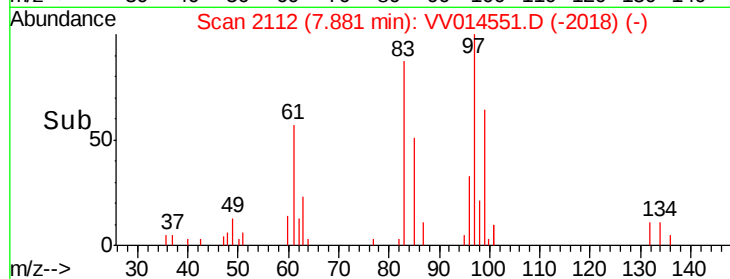
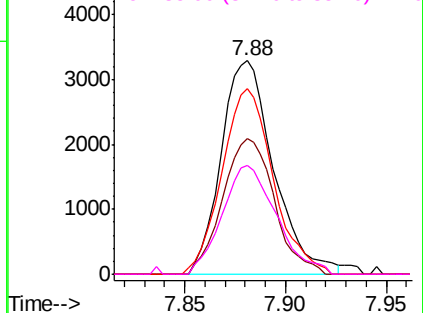
Abundance

Ion 97.00 (96.70 to 97.70): VV014551.D (-2098) (-)

Ion 99.00 (98.70 to 99.70): VV014551.D (-2098) (-)

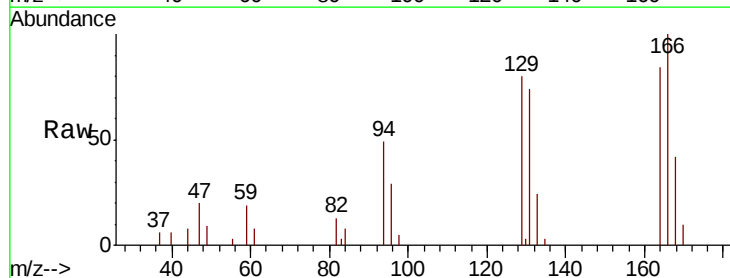
Ion 83.00 (82.70 to 83.70): VV014551.D (-2098) (-)

Ion 85.00 (84.70 to 85.70): VV014551.D (-2098) (-)



#46
Tetrachloroethene
Concen: 2.892 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV014551.D
Acq: 10 Feb 2020 14:56

Tgt Ion:	164	Resp:	5222
Ion	Ratio	Lower	Upper
164	100		
129	95.0	68.0	126.4
131	87.6	63.4	117.8
166	118.4	86.9	161.3



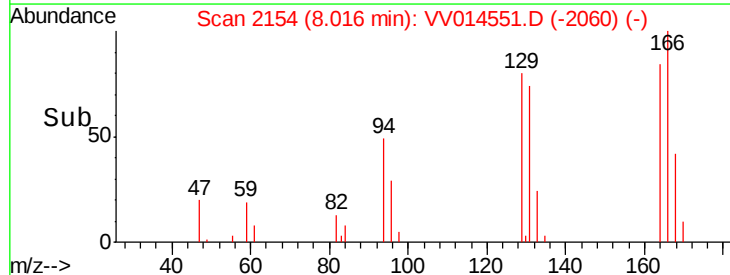
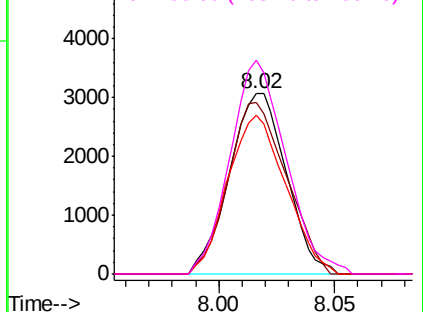
Abundance

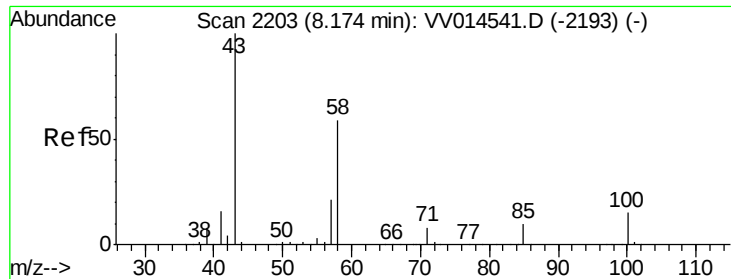
Ion 164.00 (163.70 to 164.70): VV014551.D (-2060) (-)

Ion 129.00 (128.70 to 129.70): VV014551.D (-2060) (-)

Ion 131.00 (130.70 to 131.70): VV014551.D (-2060) (-)

Ion 166.00 (165.70 to 166.70): VV014551.D (-2060) (-)

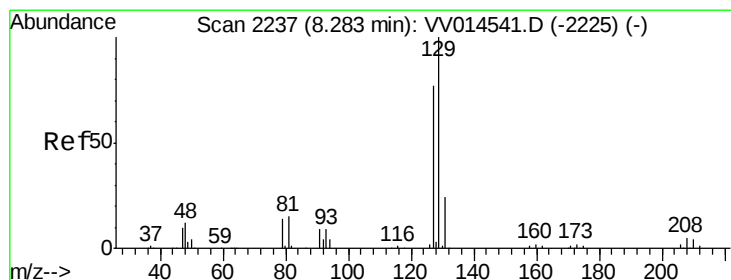
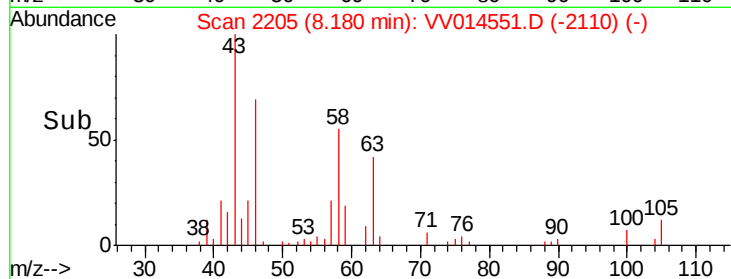
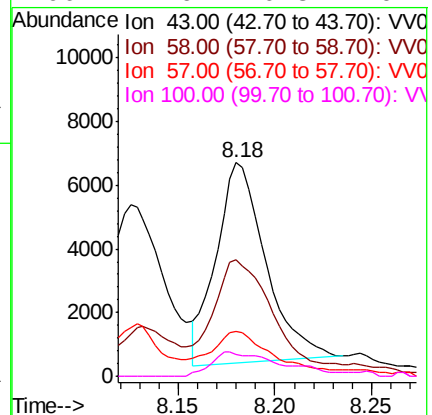
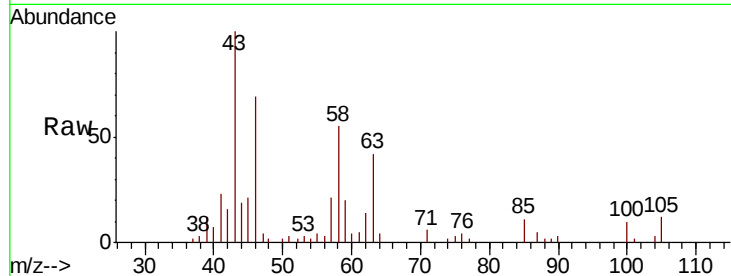




#48
2-Hexanone
Concen: 4.959 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. 0.01 min
Lab File: VV014551.D
Acq: 10 Feb 2020 14:56

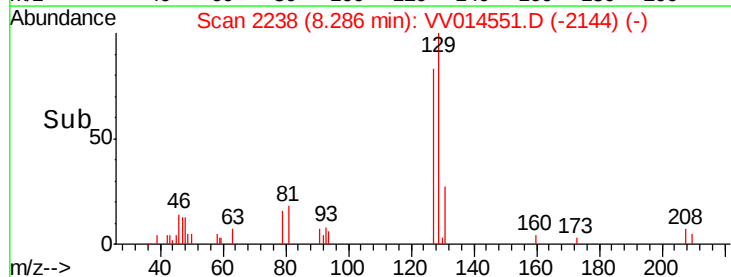
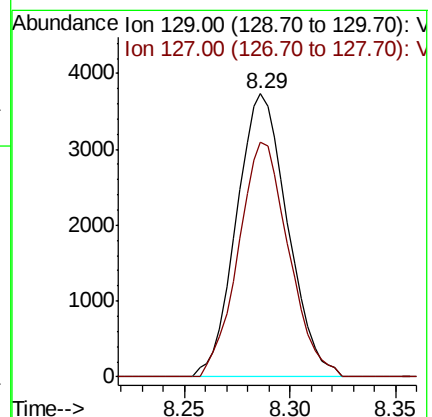
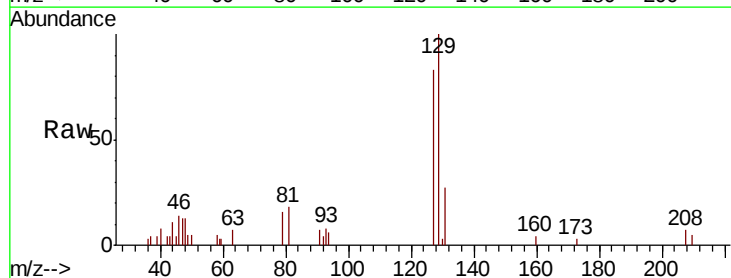
Instrument :
MSVOA_V
ClientSampled :

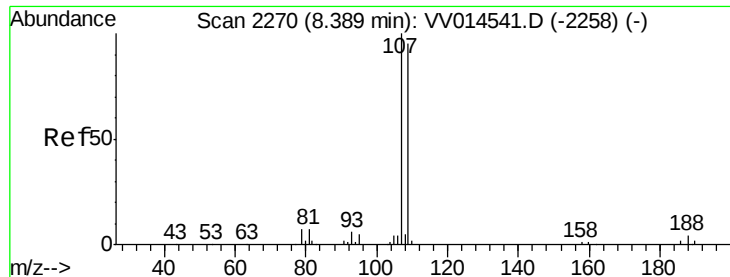
Tot Ion: 43 Resp: 11222
Ion Ratio Lower Upper
43 100
58 60.5 45.5 68.3
57 20.9 15.8 23.6
100 7.6 10.8 16.2#



#49
Dibromochloromethane
Concen: 2.549 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV014551.D
Acq: 10 Feb 2020 14:56

Tgt Ion: 129 Resp: 6279
Ion Ratio Lower Upper
129 100
127 83.0 54.1 100.5

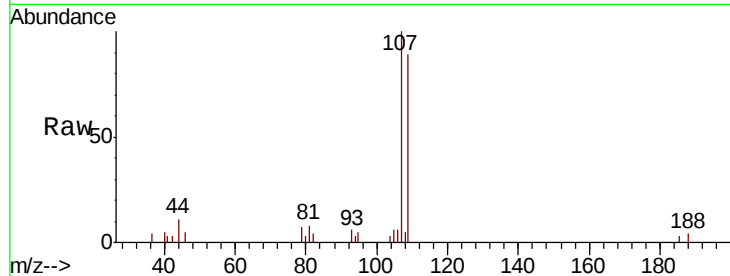




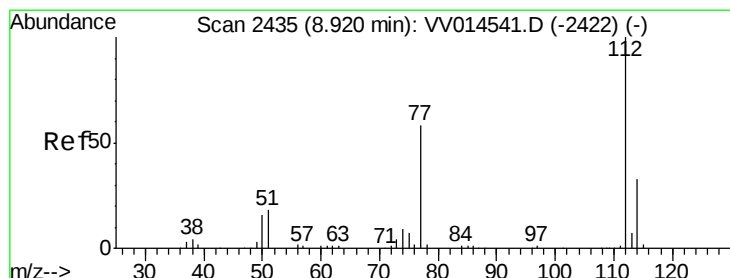
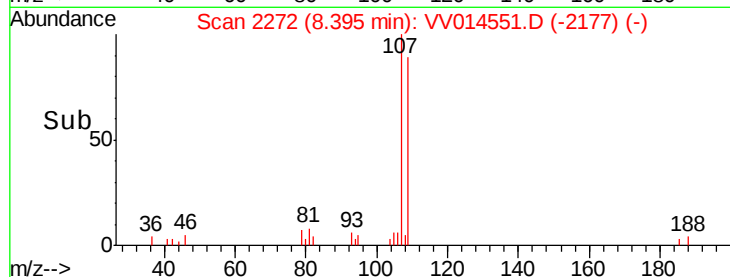
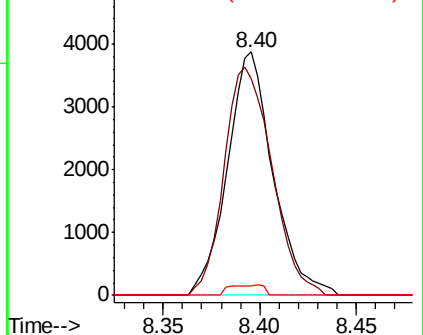
#50
1,2-Dibromoethane
Concen: 2.684 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.01 min
Lab File: VV014551.D
Acq: 10 Feb 2020 14:56

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:107 Resp: 6343
Ion Ratio Lower Upper
107 100
109 88.9 65.2 121.2
188 4.1 2.6 4.0#

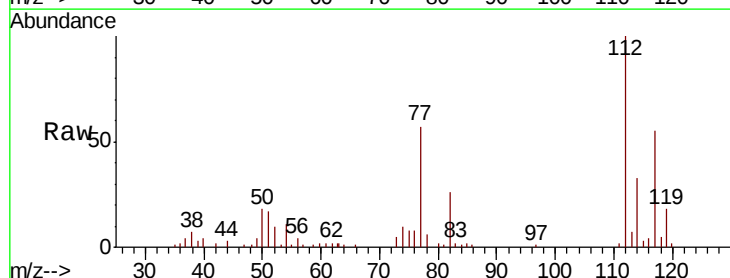


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

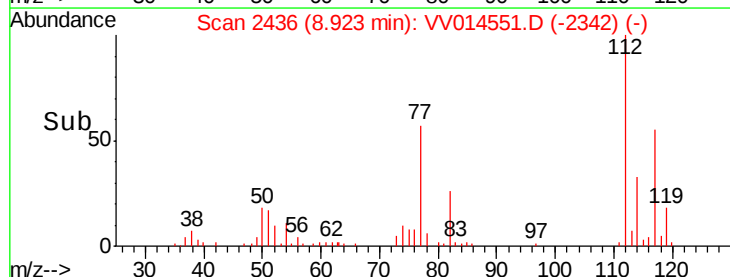
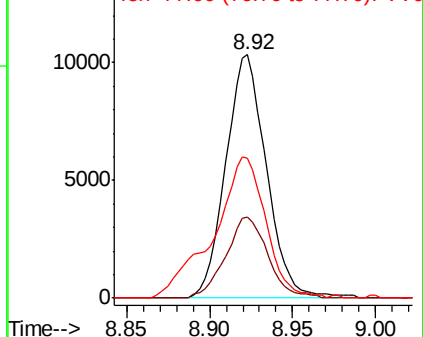


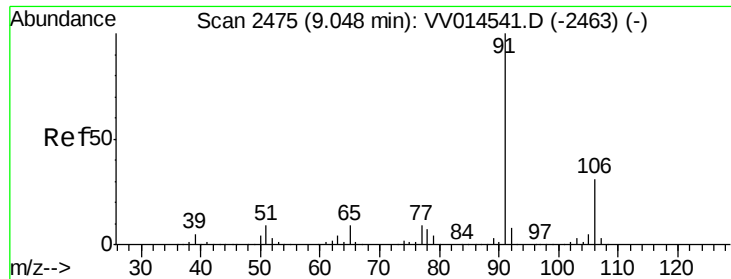
#51
Chlorobenzene
Concen: 2.819 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV014551.D
Acq: 10 Feb 2020 14:56

Tgt Ion:112 Resp: 17630
Ion Ratio Lower Upper
112 100
114 33.1 22.3 41.5
77 57.4 47.3 70.9



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 2.696 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.01 min

Lab File: VV014551.D

Acq: 10 Feb 2020 14:56

Instrument :

MSVOA_V

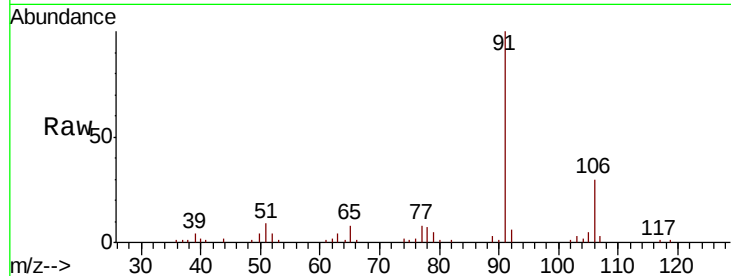
ClientSampleId :

Tot Ion: 91 Resp: 28949

Ion Ratio Lower Upper

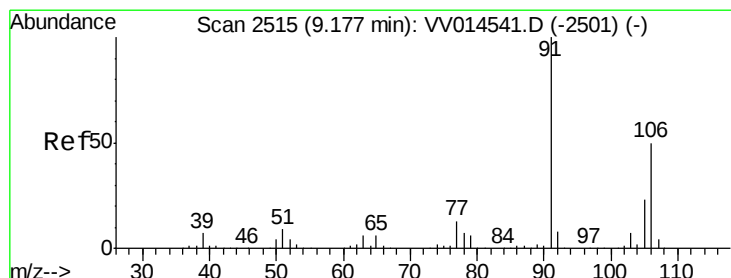
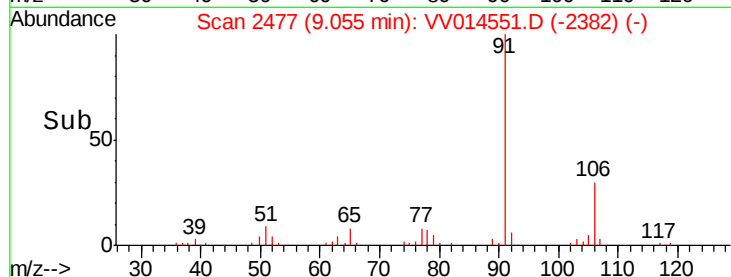
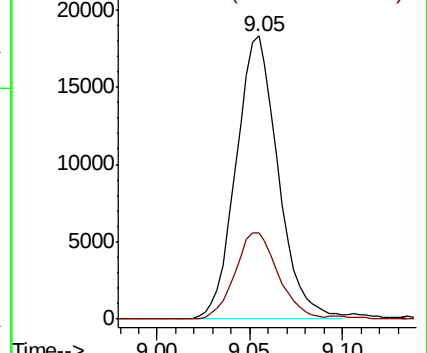
91 100

106 30.4 21.5 39.9



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 106.00 (105.70 to 106.70): V



#53

m,p-Xylene

Concen: 2.498 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV014551.D

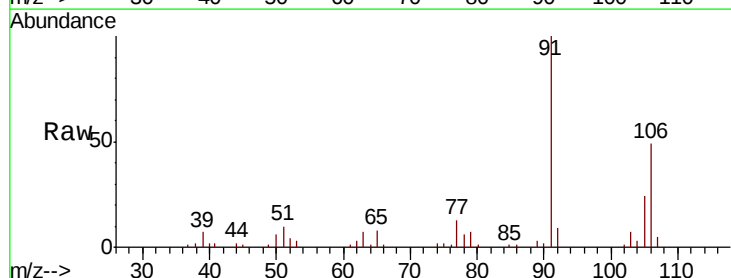
Acq: 10 Feb 2020 14:56

Tgt Ion: 106 Resp: 10333

Ion Ratio Lower Upper

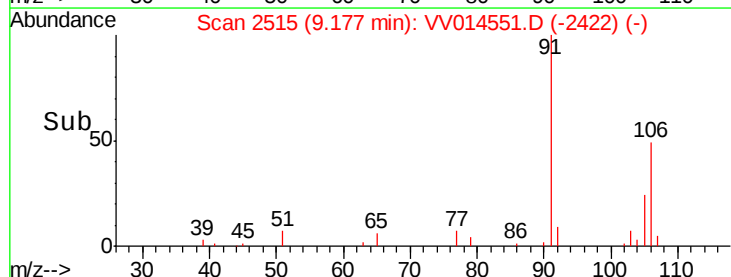
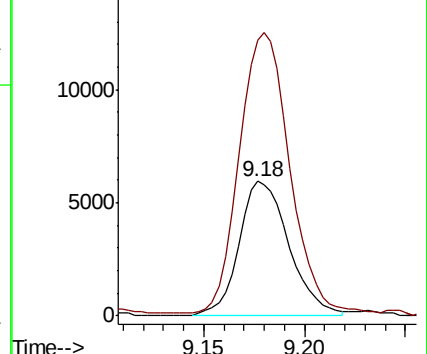
106 100

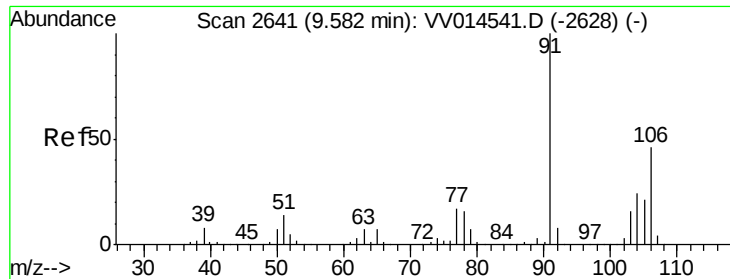
91 204.8 141.4 262.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0

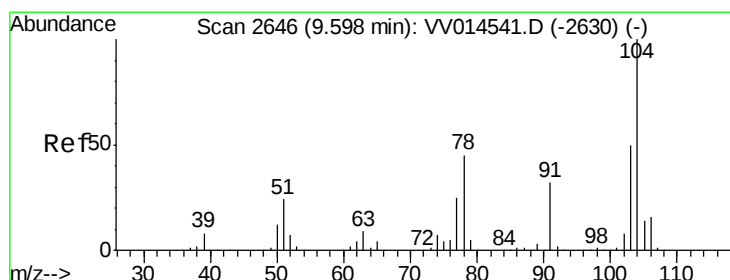
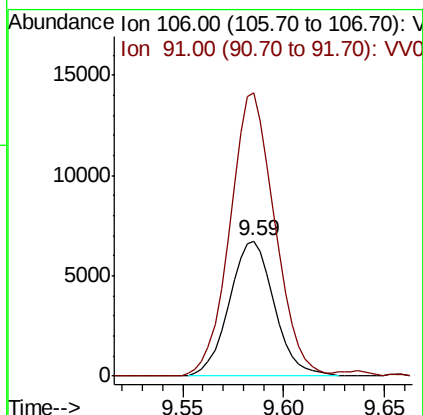
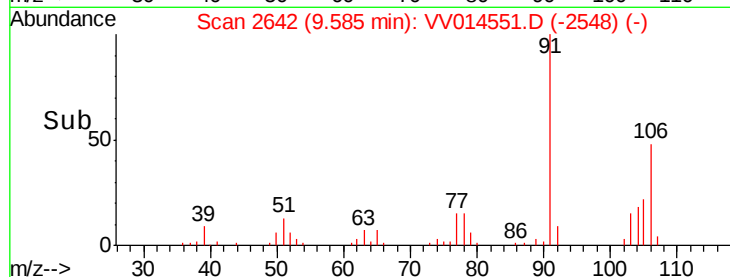
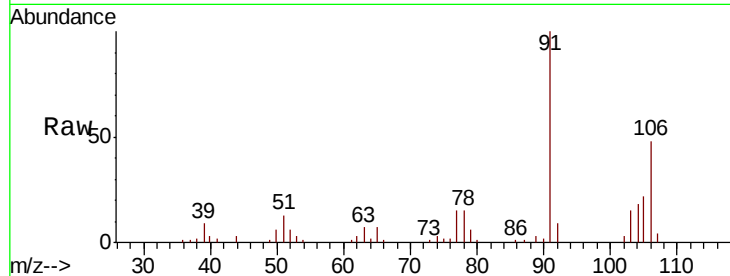




#54
o-Xylene
Concen: 2.657 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.00 min
Lab File: VV014551.D
Acq: 10 Feb 2020 14:56

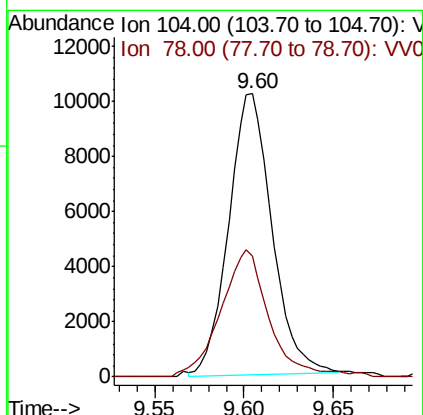
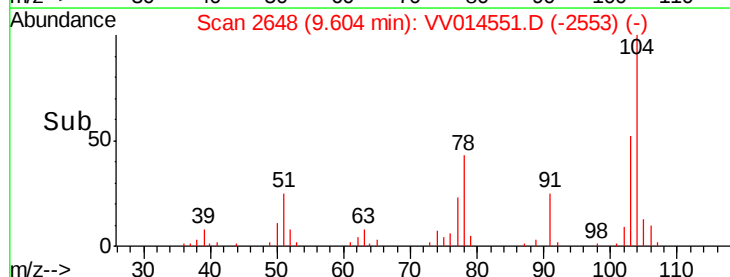
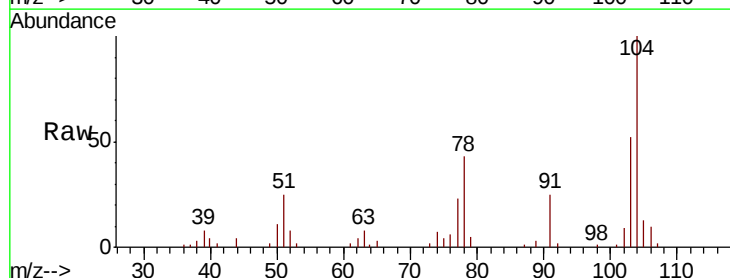
Instrument :
MSVOA_V
ClientSampleId :

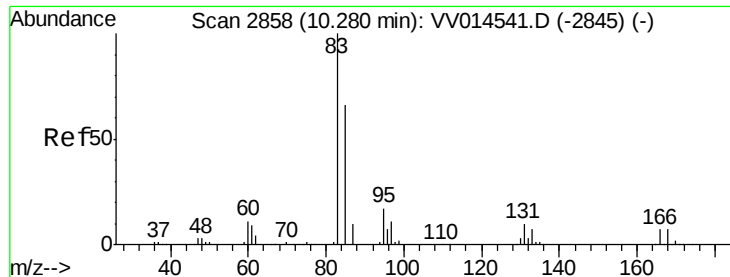
Tot Ion:106 Resp: 10519
Ion Ratio Lower Upper
106 100
91 209.6 149.4 277.4



#55
Styrene
Concen: 2.565 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.01 min
Lab File: VV014551.D
Acq: 10 Feb 2020 14:56

Tgt Ion:104 Resp: 17351
Ion Ratio Lower Upper
104 100
78 42.6 31.6 58.8





#57

1,1,2,2-Tetrachloroethane

Concen: 3.084 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. -0.00 min

Lab File: VV014551.D

Acq: 10 Feb 2020 14:56

Instrument :

MSVOA_V

ClientSampleId :

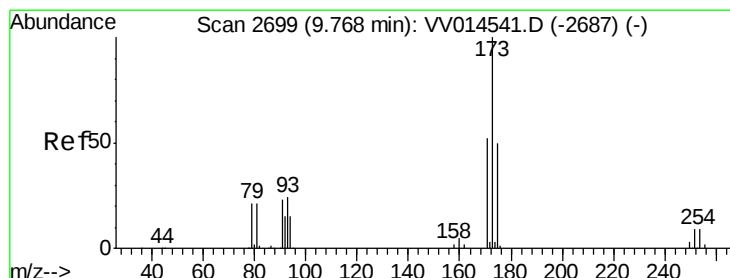
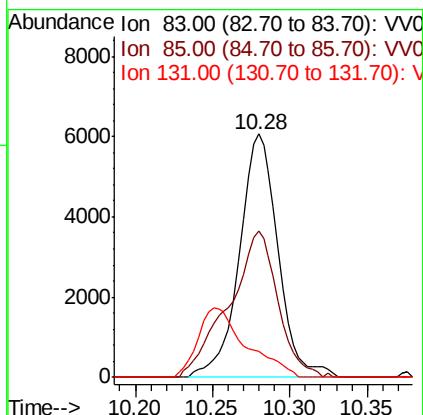
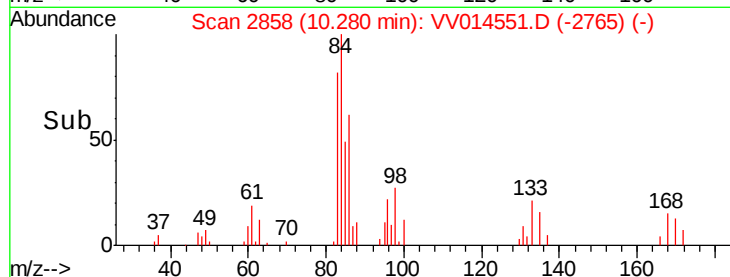
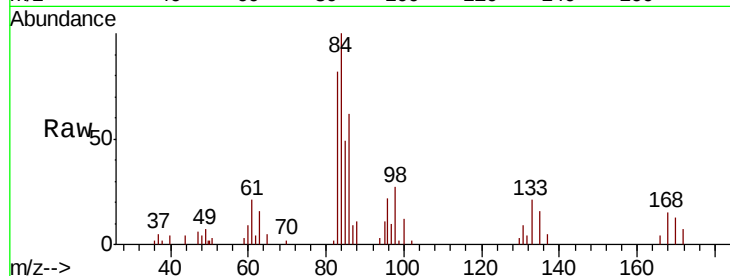
Tot Ion: 83 Resp: 10548

Ion Ratio Lower Upper

83 100

85 59.9 45.2 84.0

131 10.4 7.8 11.8



#59

Bromoform

Concen: 2.492 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV014551.D

Acq: 10 Feb 2020 14:56

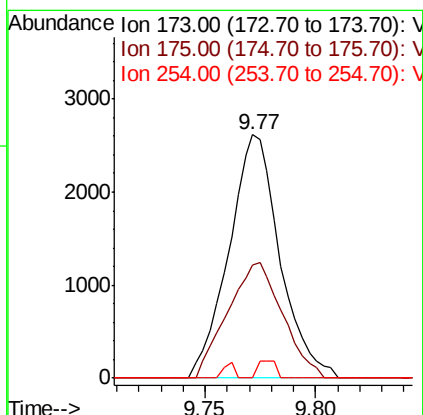
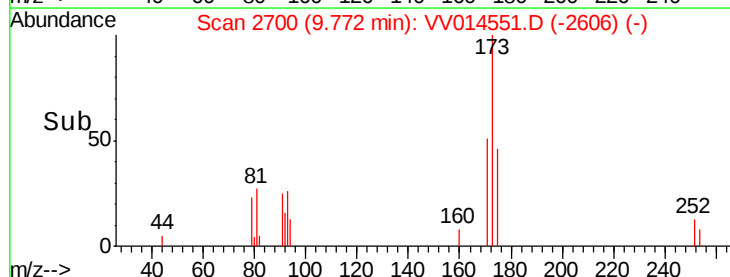
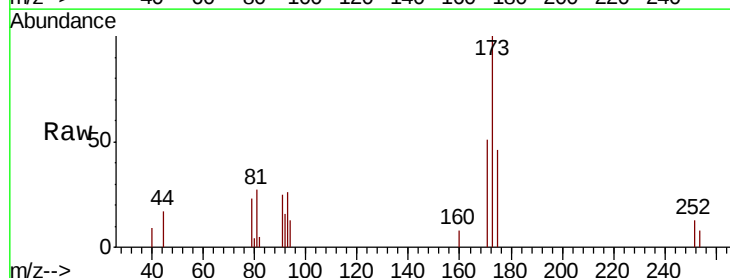
Tgt Ion: 173 Resp: 4200

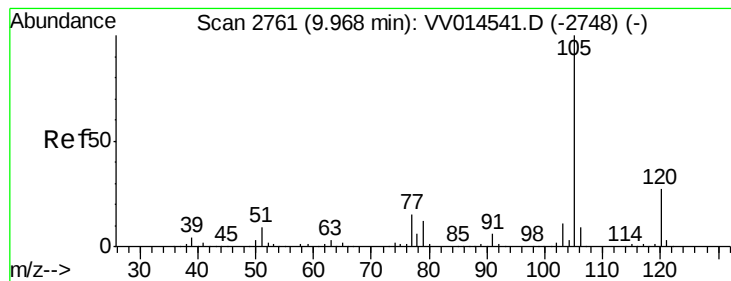
Ion Ratio Lower Upper

173 100

175 51.0 37.8 56.8

254 2.5 7.0 10.6#





#60

Isopropylbenzene

Concen: 2.709 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV014551.D

Acq: 10 Feb 2020 14:56

Instrument :

MSVOA_V

ClientSampleId :

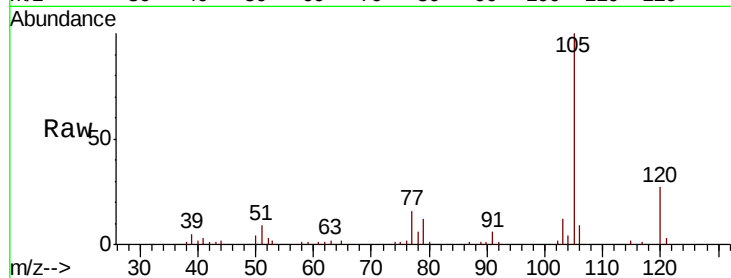
Tot Ion:105 Resp: 27676

Ion Ratio Lower Upper

105 100

120 26.3 21.5 32.3

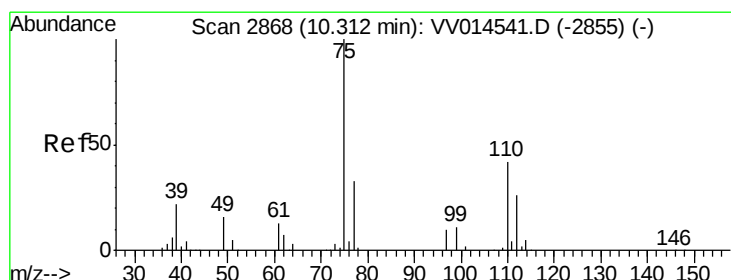
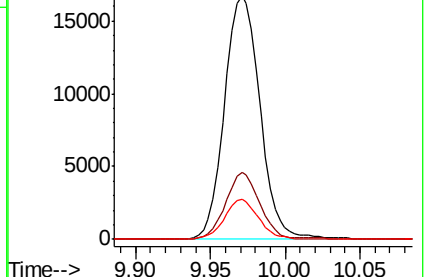
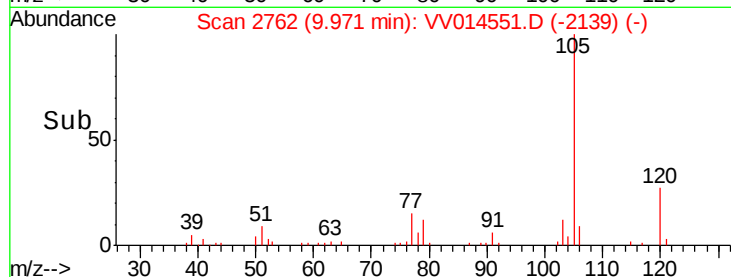
77 15.7 12.2 18.4



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



#61

1,2,3-Trichloropropane

Concen: 2.850 ug/L

RT: 10.31 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV014551.D

Acq: 10 Feb 2020 14:56

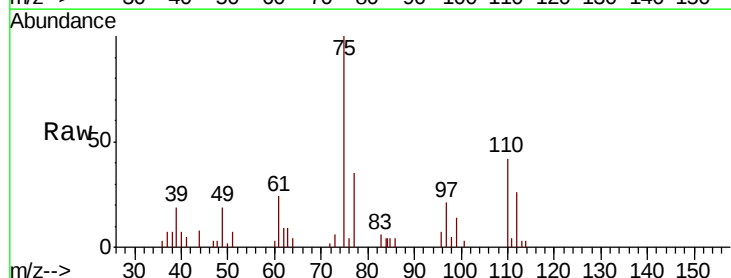
Tgt Ion: 75 Resp: 7627

Ion Ratio Lower Upper

75 100

77 36.2 25.8 38.8

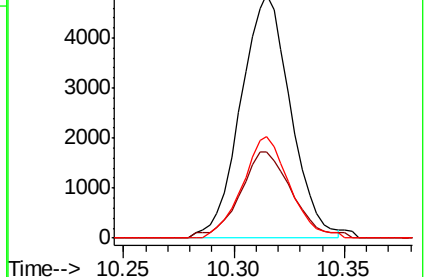
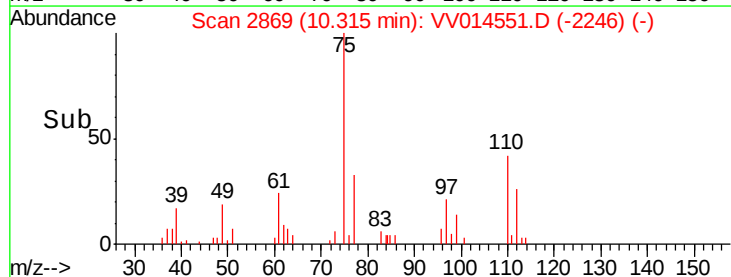
110 39.3 32.4 48.6

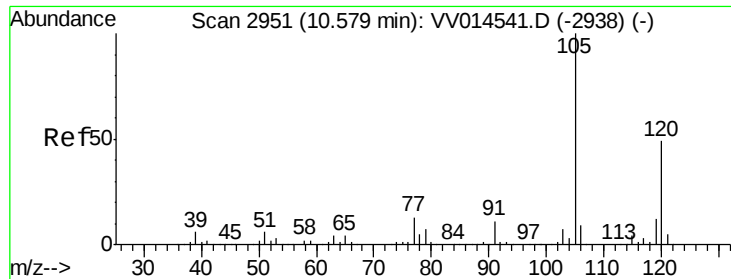


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

Ion 110.00 (109.70 to 110.70): V

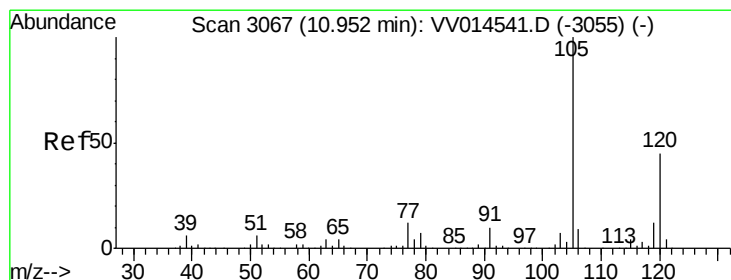
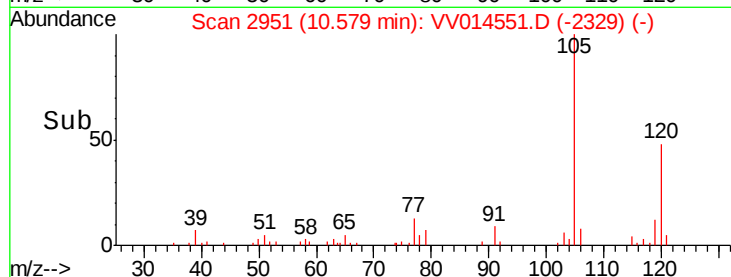
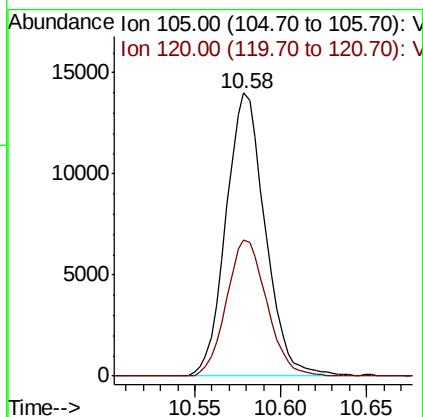
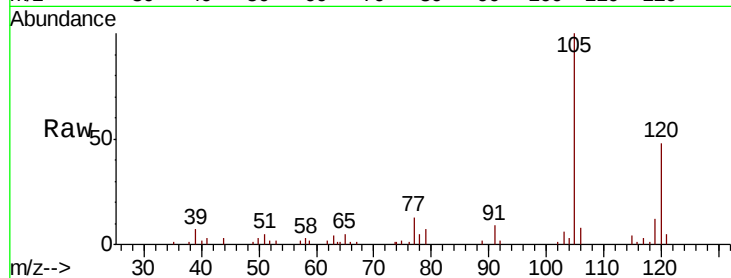




#62
 1,3,5-Trimethylbenzene
 Concen: 2.537 ug/L
 RT: 10.58 min Scan# 2951
 Delta R.T. -0.00 min
 Lab File: VV014551.D
 Acq: 10 Feb 2020 14:56

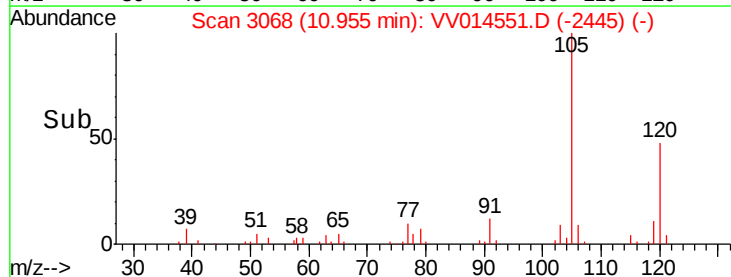
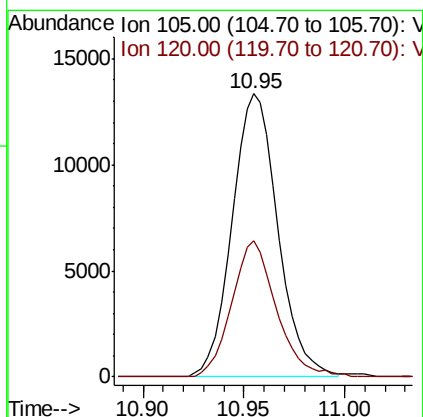
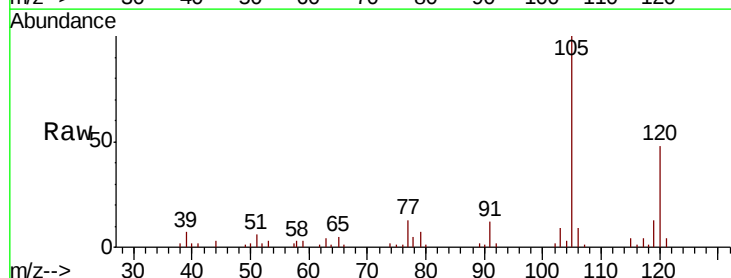
Instrument :
 MSVOA_V
 ClientSampleId :

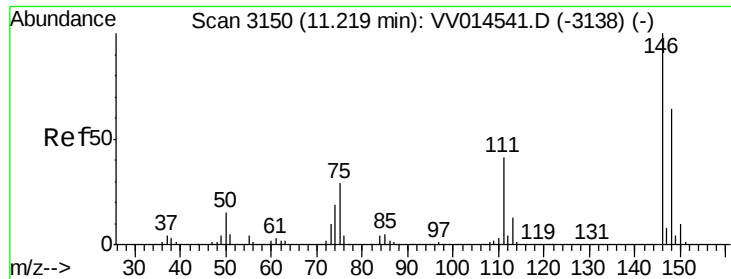
Tot Ion:105 Resp: 22189
 Ion Ratio Lower Upper
 105 100
 120 49.6 39.0 58.6



#63
 1,2,4-Trimethylbenzene
 Concen: 2.454 ug/L
 RT: 10.95 min Scan# 3068
 Delta R.T. 0.00 min
 Lab File: VV014551.D
 Acq: 10 Feb 2020 14:56

Tgt Ion:105 Resp: 21163
 Ion Ratio Lower Upper
 105 100
 120 46.2 36.2 54.4

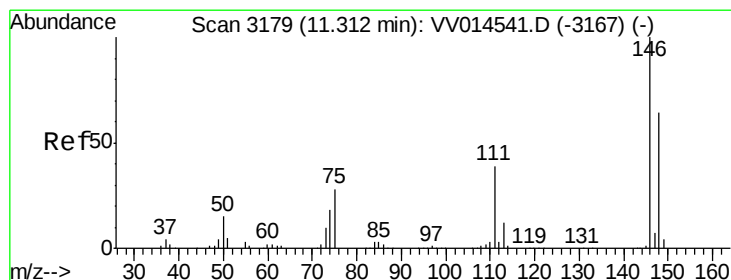
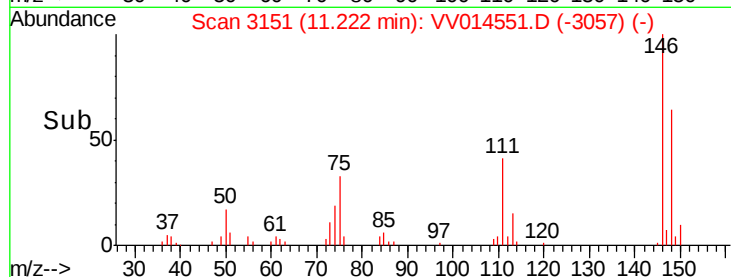
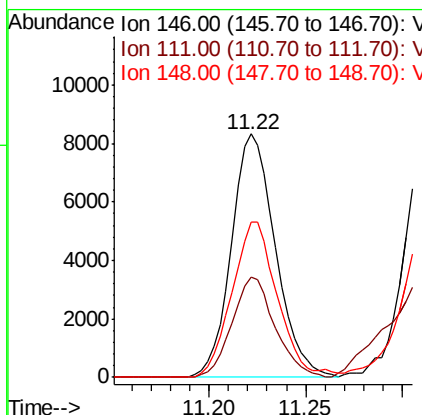
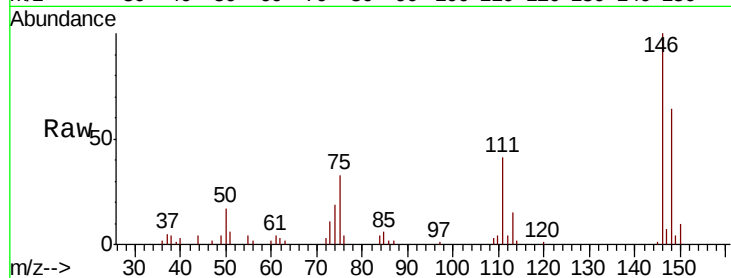




#64
 1,3-Dichlorobenzene
 Concen: 2.725 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. 0.00 min
 Lab File: VV014551.D
 Acq: 10 Feb 2020 14:56

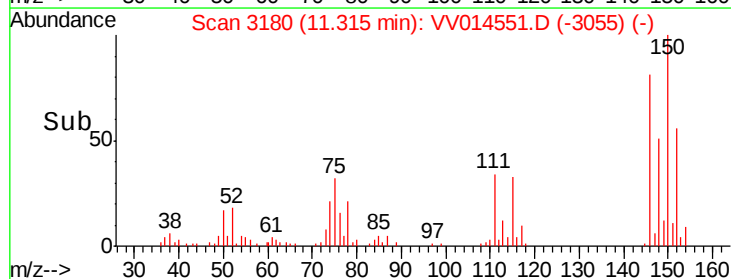
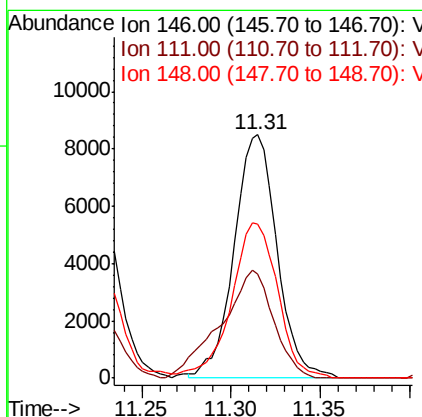
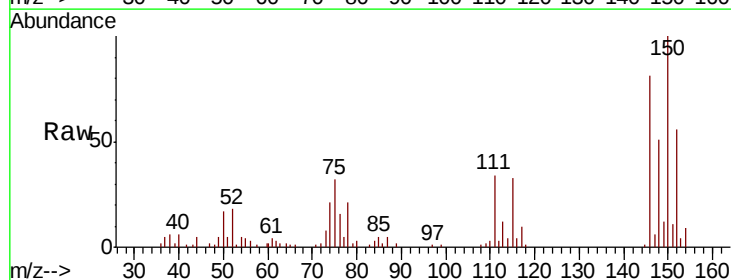
Instrument :
 MSVOA_V
 ClientSampleId :

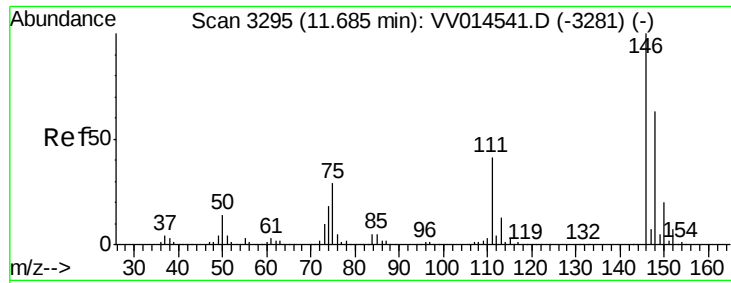
Tot Ion:146 Resp: 13133
 Ion Ratio Lower Upper
 146 100
 111 41.2 28.9 53.7
 148 63.7 44.4 82.5



#65
 1,4-Dichlorobenzene
 Concen: 2.871 ug/L
 RT: 11.31 min Scan# 3180
 Delta R.T. 0.00 min
 Lab File: VV014551.D
 Acq: 10 Feb 2020 14:56

Tgt Ion:146 Resp: 14246
 Ion Ratio Lower Upper
 146 100
 111 42.5 28.1 52.3
 148 63.1 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 2.871 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. -0.00 min

Lab File: VV014551.D

Acq: 10 Feb 2020 14:56

Instrument :

MSVOA_V

ClientSampled :

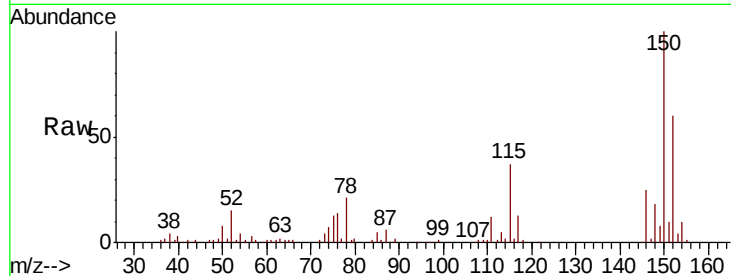
Tot Ion:146 Resp: 13414

Ion Ratio Lower Upper

146 100

111 49.7 34.6 51.8

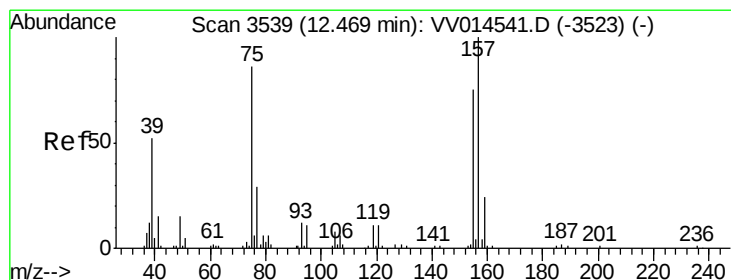
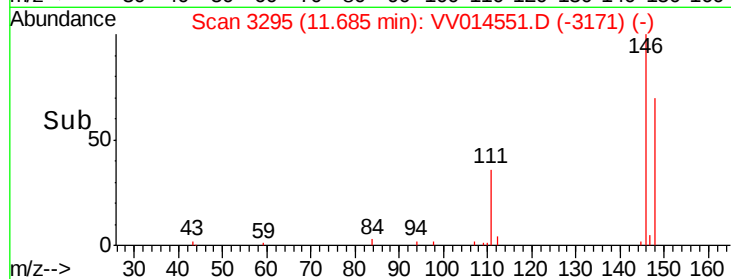
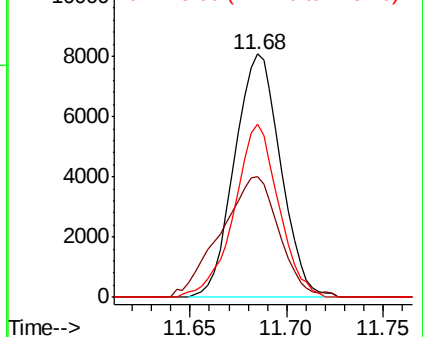
148 70.9 50.2 75.4



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



#68

1,2-Dibromo-3-chloropropane

Concen: 3.031 ug/L

RT: 12.47 min Scan# 3540

Delta R.T. 0.00 min

Lab File: VV014551.D

Acq: 10 Feb 2020 14:56

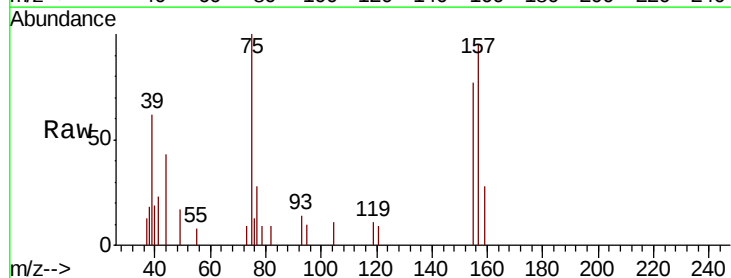
Tgt Ion: 75 Resp: 2271

Ion Ratio Lower Upper

75 100

155 77.0 68.3 102.5

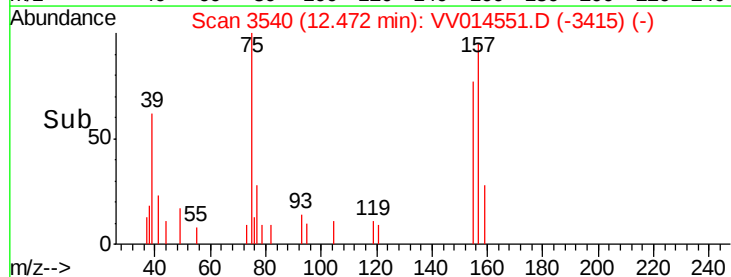
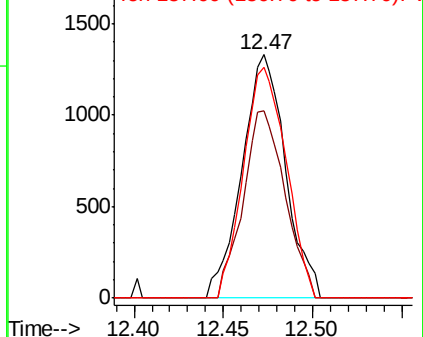
157 94.9 87.1 130.7

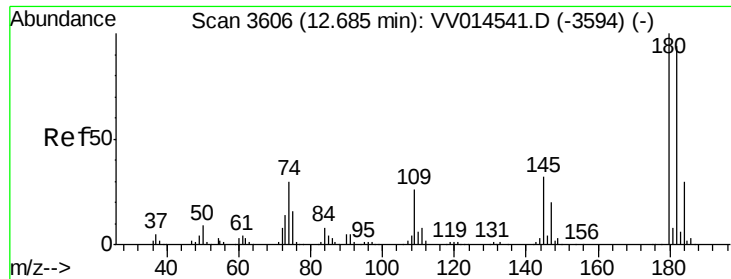


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

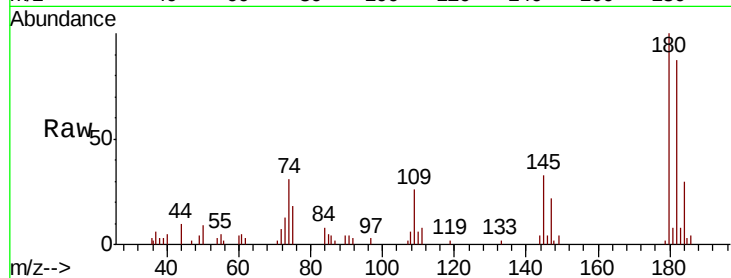




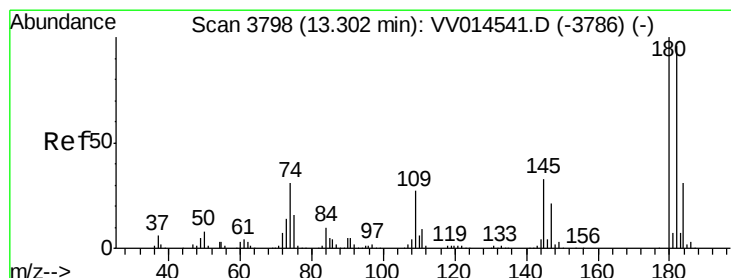
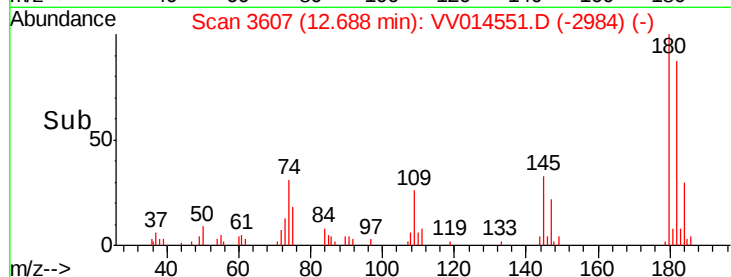
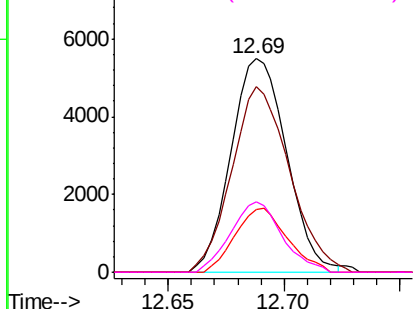
#69
 1,3,5-Trichlorobenzene
 Concen: 2.692 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV014551.D
 Acq: 10 Feb 2020 14:56

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 9139
 Ion Ratio Lower Upper
 180 100
 182 90.4 75.0 112.4
 184 28.2 24.2 36.2
 145 30.6 24.3 36.5

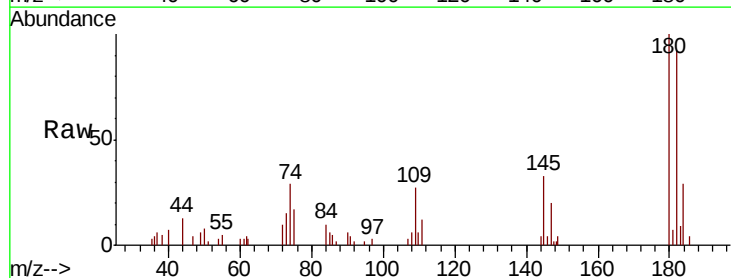


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

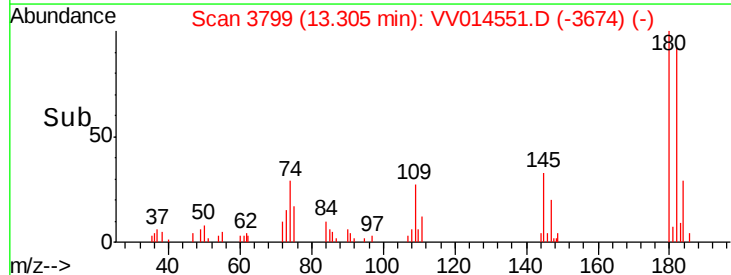
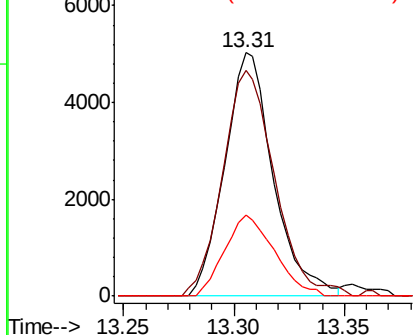


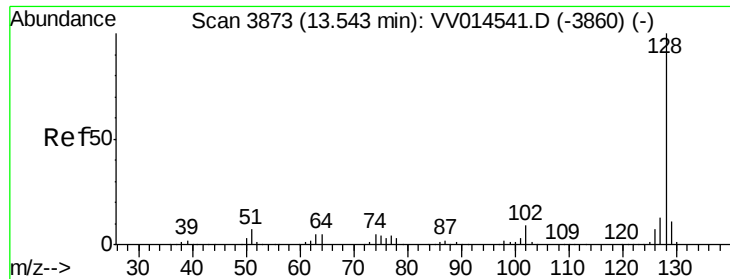
#70
 1,2,4-trichlorobenzene
 Concen: 2.466 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV014551.D
 Acq: 10 Feb 2020 14:56

Tgt Ion:180 Resp: 7688
 Ion Ratio Lower Upper
 180 100
 182 97.4 76.0 114.0
 145 34.1 25.3 37.9



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





#71

Naphthalene

Concen: 2.467 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.01 min

Lab File: VV014551.D

Acq: 10 Feb 2020 14:56

Instrument :

MSVOA_V

ClientSampleId :

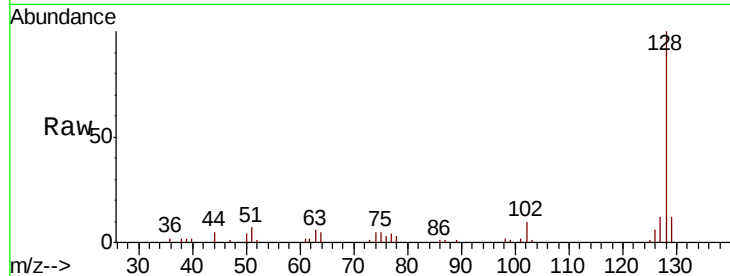
Tot Ion:128 Resp: 25258

Ion Ratio Lower Upper

128 100

127 11.7 10.3 15.5

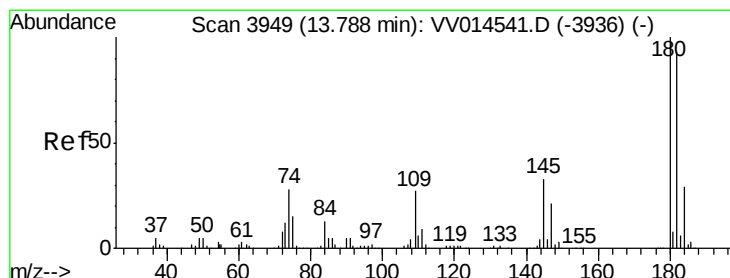
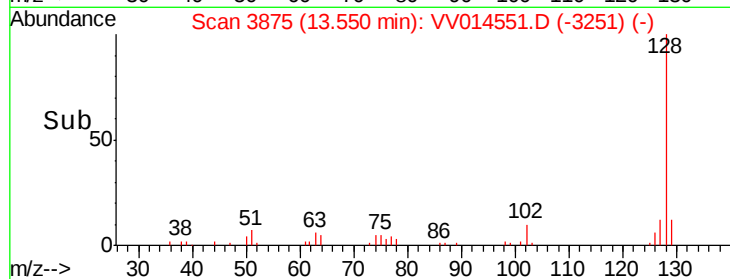
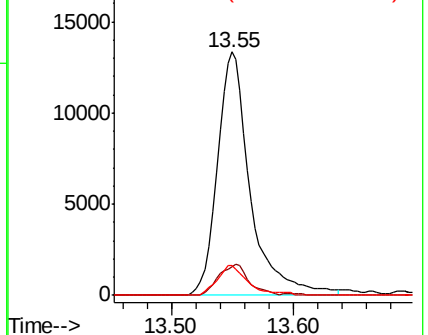
129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#72

1,2,3-Trichlorobenzene

Concen: 2.384 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VV014551.D

Acq: 10 Feb 2020 14:56

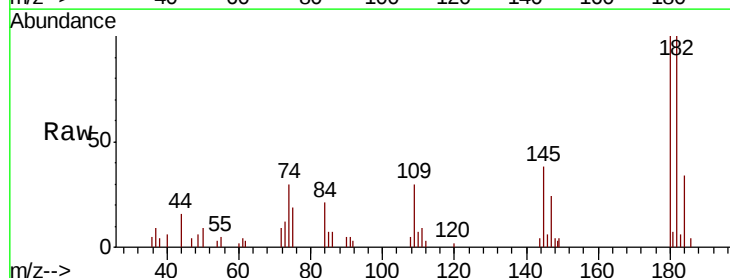
Tgt Ion:180 Resp: 7221

Ion Ratio Lower Upper

180 100

182 101.6 75.2 112.8

145 37.8 27.1 40.7



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

