

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV021020\
 Data File : VV014550.D
 Acq On : 10 Feb 2020 14:33
 Operator : SY/MD
 Sample : MDL06
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Feb 11 04:46:49 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	325521	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	303865	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	151640	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	68774	38.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.92%
7) Chloroethane-d5	1.58	69	50295	41.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.68%
11) 1,1-Dichloroethene-d2	2.13	63	87083	32.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.96%
21) 2-Butanone-d5	3.92	46	126246	92.65	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.65%
24) Chloroform-d	4.40	84	190552	47.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.74%
26) 1,2-Dichloroethane-d4	5.08	65	121980	49.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.36%
32) Benzene-d6	5.10	84	405956	48.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.50%
36) 1,2-Dichloropropane-d6	6.11	67	122745	47.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.14%
41) Toluene-d8	7.36	98	377845	48.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.54%
43) trans-1,3-Dichloropropene-	7.66	79	64361	46.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.04%
47) 2-Hexanone-d5	8.13	63	101943	92.87	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.87%
56) 1,1,2,2-Tetrachloroethane-	10.25	84	167284	49.93	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.86%
66) 1,2-Dichlorobenzene-d4	11.67	152	146320	50.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.62%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	6618	2.538 ug/L	96
3) Chloromethane	1.25	50	6013	2.277 ug/L	97
5) Vinyl chloride	1.33	62	4603	2.276 ug/L #	82
6) Bromomethane	1.53	94	1930	2.075 ug/L	97
8) Chloroethane	1.60	64	2203	2.192 ug/L	91
9) Trichlorofluoromethane	1.77	101	6539	2.400 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	3881	2.967 ug/L #	79
12) 1,1-Dichloroethene	2.14	96	3311	2.646 ug/L #	1
13) Acetone	2.18	43	7588	6.651 ug/L	97
14) Carbon disulfide	2.32	76	13319	2.193 ug/L	99
15) Methyl Acetate	2.46	43	4394	2.003 ug/L	91
16) Methylene chloride	2.53	84	6482	2.728 ug/L	90
17) trans-1,2-Dichloroethene	2.79	96	5113	2.320 ug/L	93
18) Methyl tert-butyl Ether	2.80	73	15654	2.243 ug/L	94
19) 1,1-Dichloroethane	3.23	63	9288	2.356 ug/L	97
20) cis-1,2-Dichloroethene	3.96	96	6169	2.487 ug/L	98
22) 2-Butanone	4.03	43	6889	4.083 ug/L	82

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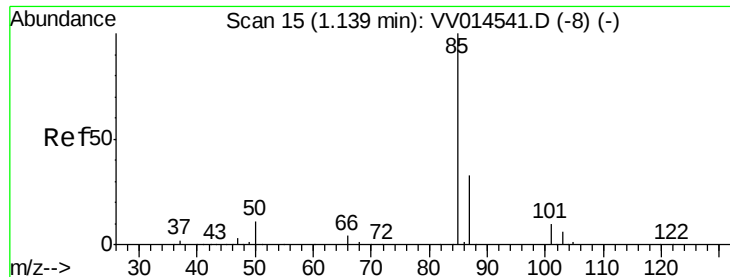
Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Feb 11 04:46:49 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.30	128	2945	2.507	ug/L #	73
25) Chloroform	4.42	83	14350	3.580	ug/L	99
27) 1,2-Dichloroethane	5.18	62	7136	2.390	ug/L	96
29) Cyclohexane	4.72	56	8095	2.167	ug/L	93
30) 1,1,1-Trichloroethane	4.66	97	8646	2.493	ug/L	98
31) Carbon tetrachloride	4.87	117	7424	2.427	ug/L	94
33) Benzene	5.15	78	21431	2.399	ug/L	100
34) Trichloroethene	5.96	95	5587	2.359	ug/L	97
35) Methylcyclohexane	6.17	83	9523	2.461	ug/L	95
37) 1,2-Dichloropropane	6.22	63	5044	2.217	ug/L	99
38) Bromodichloromethane	6.56	83	7286	2.386	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	8242	2.171	ug/L	98
40) 4-Methyl-2-pentanone	7.27	43	12415	4.222	ug/L	97
42) Toluene	7.43	91	23701	2.474	ug/L	97
44) trans-1,3-Dichloropropene	7.69	75	8081	2.374	ug/L	95
45) 1,1,2-Trichloroethane	7.88	97	5120	2.345	ug/L	94
46) Tetrachloroethene	8.02	164	4210	2.331	ug/L	91
48) 2-Hexanone	8.18	43	10441	4.612	ug/L #	98
49) Dibromochloromethane	8.29	129	5975	2.424	ug/L	97
50) 1,2-Dibromoethane	8.39	107	5830	2.466	ug/L	95
51) Chlorobenzene	8.92	112	15344	2.452	ug/L	97
52) Ethylbenzene	9.05	91	25019	2.329	ug/L	99
53) m,p-Xylene	9.18	106	9871	2.386	ug/L	95
54) o-Xylene	9.58	106	9267	2.340	ug/L	97
55) Styrene	9.60	104	15506	2.291	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.28	83	8653	2.529	ug/L #	91
59) Bromoform	9.77	173	3927	2.322	ug/L #	95
60) Isopropylbenzene	9.97	105	24886	2.427	ug/L	99
61) 1,2,3-Trichloropropane	10.32	75	6733	2.507	ug/L	97
62) 1,3,5-Trimethylbenzene	10.58	105	19562	2.228	ug/L	96
63) 1,2,4-Trimethylbenzene	10.95	105	18486	2.136	ug/L	97
64) 1,3-Dichlorobenzene	11.22	146	12264	2.535	ug/L	98
65) 1,4-Dichlorobenzene	11.31	146	12741	2.559	ug/L	97
67) 1,2-Dichlorobenzene	11.68	146	12333	2.630	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.47	75	2029	2.698	ug/L #	83
69) 1,3,5-Trichlorobenzene	12.69	180	8101	2.377	ug/L	97
70) 1,2,4-trichlorobenzene	13.31	180	7285	2.328	ug/L	98
71) Naphthalene	13.55	128	21724	2.114	ug/L	99
72) 1,2,3-Trichlorobenzene	13.79	180	6476	2.130	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 2.538 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV014550.D

Acq: 10 Feb 2020 14:33

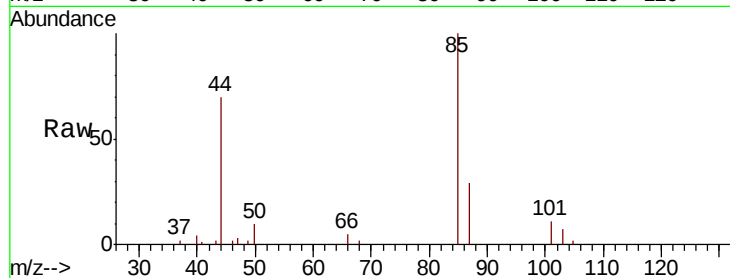
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 6618

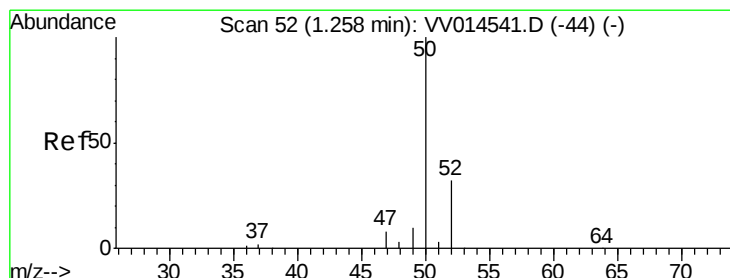
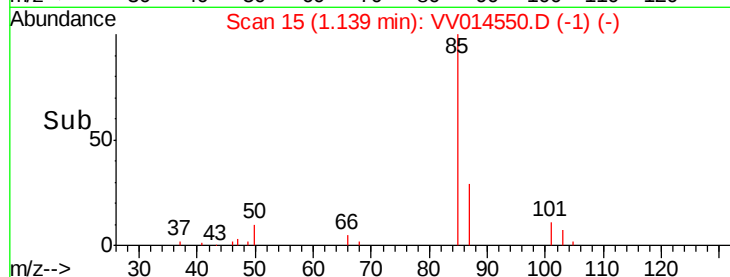
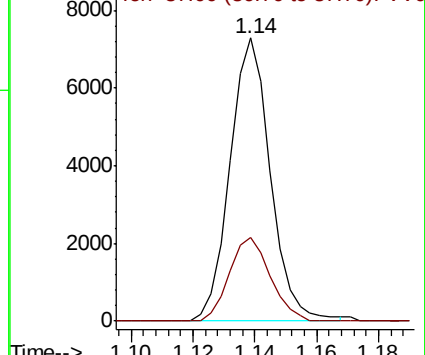
Ion Ratio Lower Upper

85 100

87 29.9 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV014550.D (-1) (-)



#3

Chloromethane

Concen: 2.277 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV014550.D

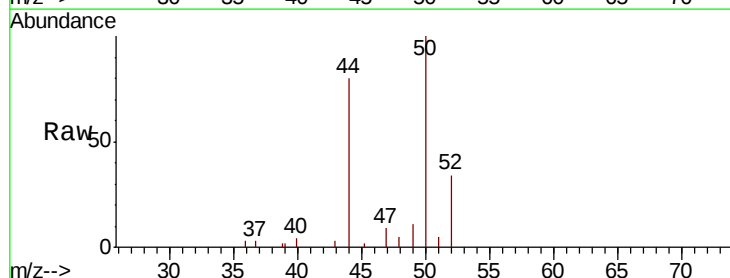
Acq: 10 Feb 2020 14:33

Tgt Ion: 50 Resp: 6013

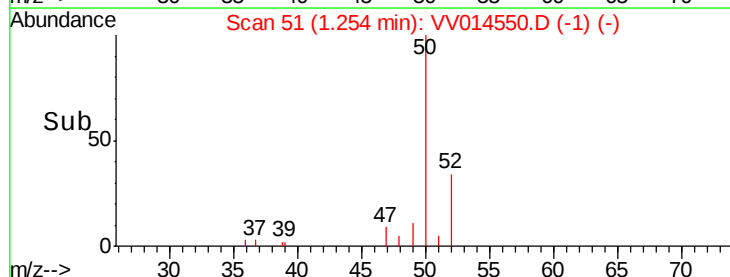
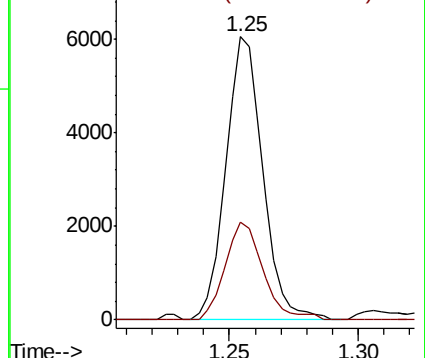
Ion Ratio Lower Upper

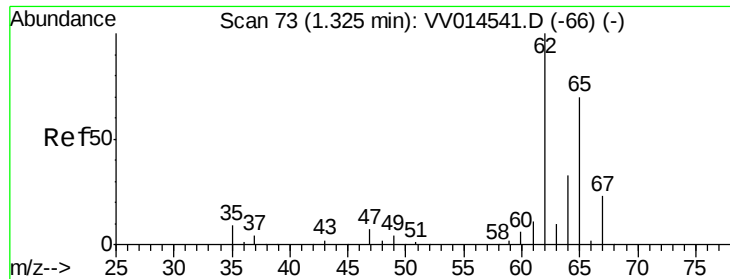
50 100

52 34.4 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VV014550.D (-1) (-)





#5

Vinyl chloride

Concen: 2.276 ug/L

RT: 1.33 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV014550.D

Acq: 10 Feb 2020 14:33

Instrument :

MSVOA_V

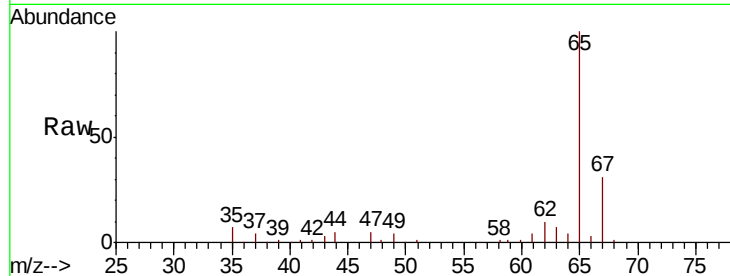
ClientSampled :

Tot Ion: 62 Resp: 4603

Ion Ratio Lower Upper

62 100

64 43.3 23.1 42.9#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.33

5000

4000

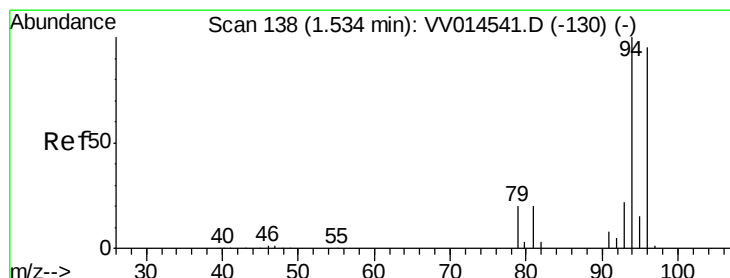
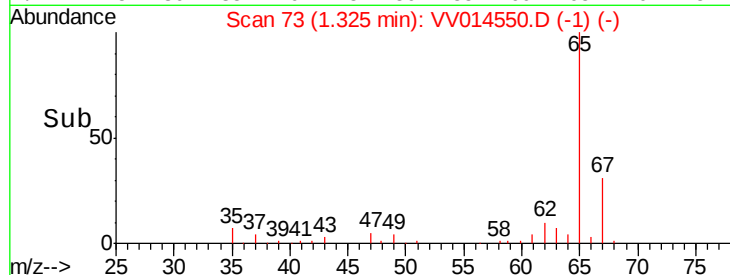
3000

2000

1000

0

Time-->



#6

Bromomethane

Concen: 2.075 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV014550.D

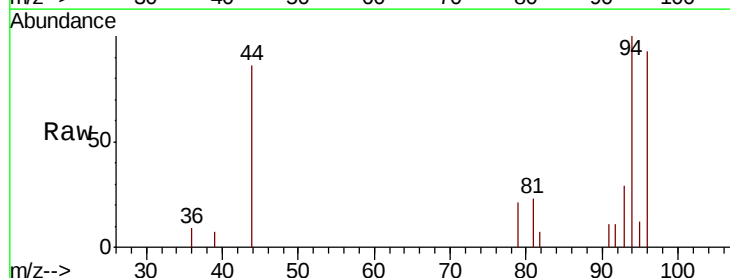
Acq: 10 Feb 2020 14:33

Tgt Ion: 94 Resp: 1930

Ion Ratio Lower Upper

94 100

96 93.2 67.3 124.9



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

2000

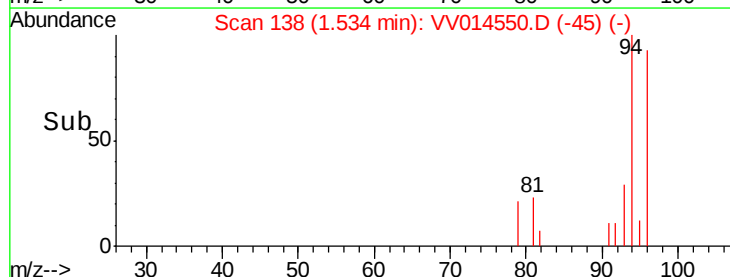
1500

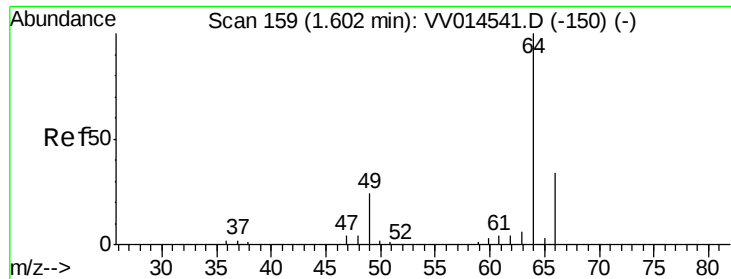
1000

500

0

Time-->





#8

Chloroethane

Concen: 2.192 ug/L

RT: 1.60 min Scan# 158

Delta R.T. -0.00 min

Lab File: VV014550.D

Acq: 10 Feb 2020 14:33

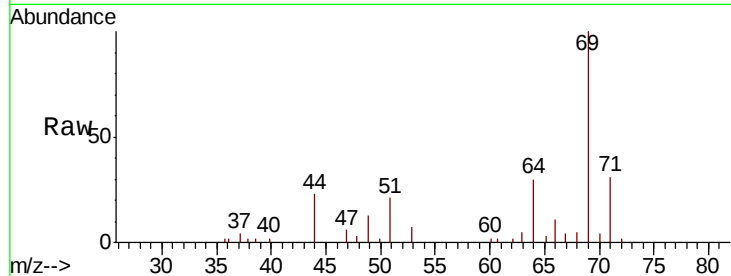
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 2203

Ion Ratio Lower Upper

64 100

66 37.0 22.4 41.6



Abundance Ion 64.00 (63.70 to 64.70): VV014541.D (-150) (-)

Ion 66.00 (65.70 to 66.70): VV014541.D (-150) (-)

1.60

1500

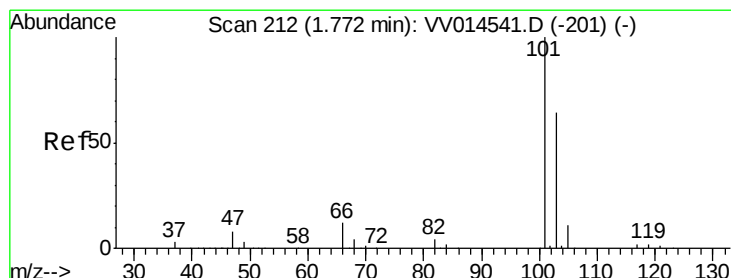
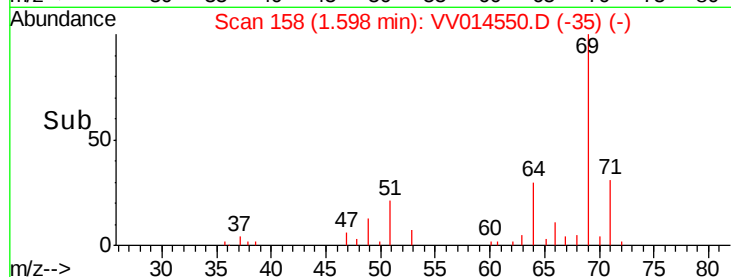
1000

500

0

1.56 1.58 1.60 1.62 1.64

Time-->



#9

Trichlorofluoromethane

Concen: 2.400 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV014550.D

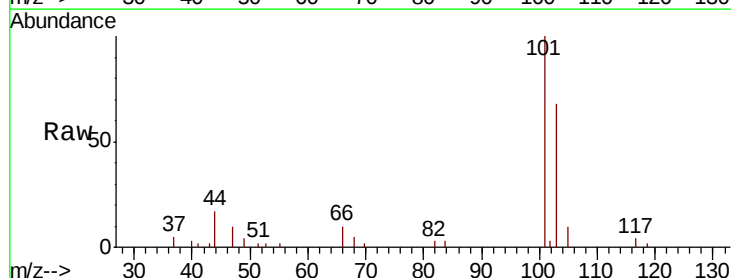
Acq: 10 Feb 2020 14:33

Tgt Ion: 101 Resp: 6539

Ion Ratio Lower Upper

101 100

103 67.2 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): VV014541.D (-201) (-)

Ion 103.00 (102.70 to 103.70): VV014541.D (-201) (-)

1.77

6000

5000

4000

3000

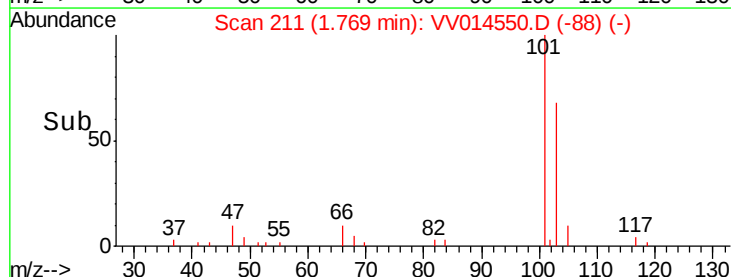
2000

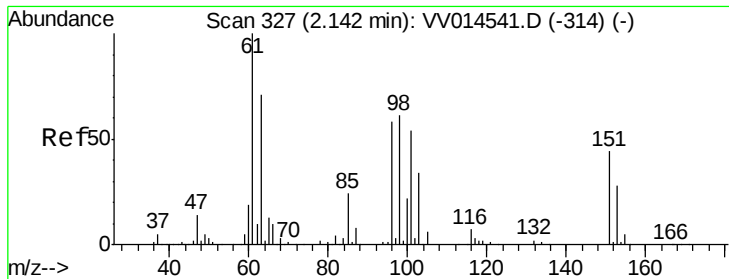
1000

0

1.75 1.77 1.79

Time-->





#10

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

Concen: 2.967 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.01 min

Lab File: VV014550.D

Acq: 10 Feb 2020 14:33

Instrument :

MSVOA_V

ClientSampled :

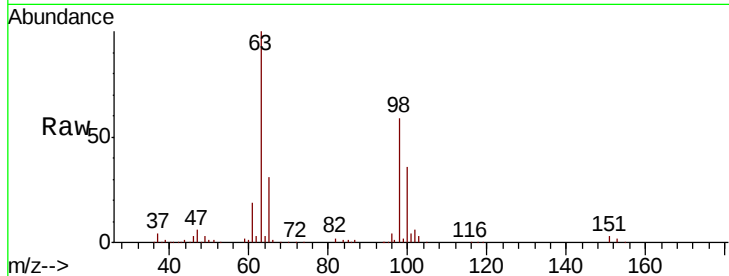
Tot Ion:101 Resp: 3881

Ion Ratio Lower Upper

101 100

85 28.9 35.0 52.6#

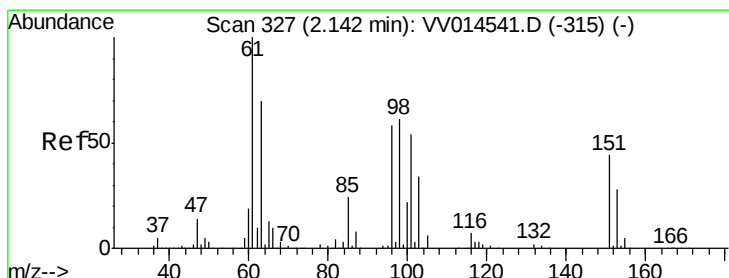
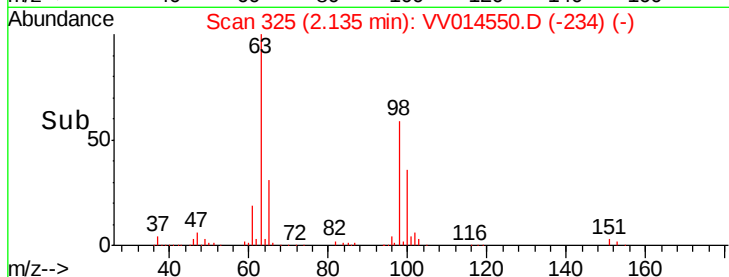
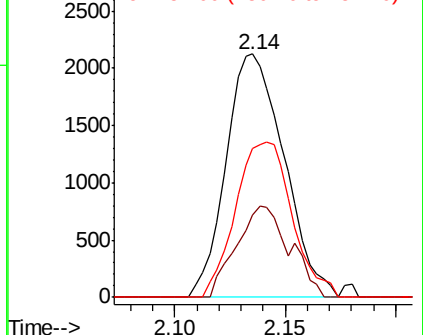
151 62.3 64.4 96.6#



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: 2.646 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV014550.D

Acq: 10 Feb 2020 14:33

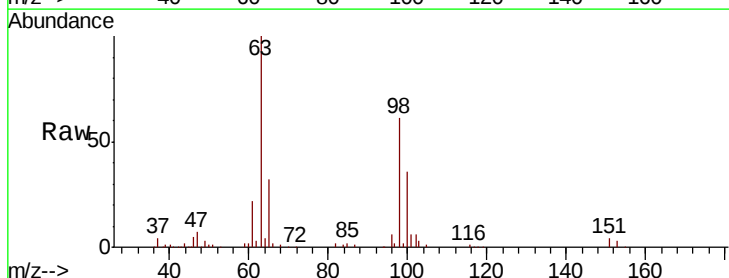
Tgt Ion: 96 Resp: 3311

Ion Ratio Lower Upper

96 100

61 382.9 125.0 232.2#

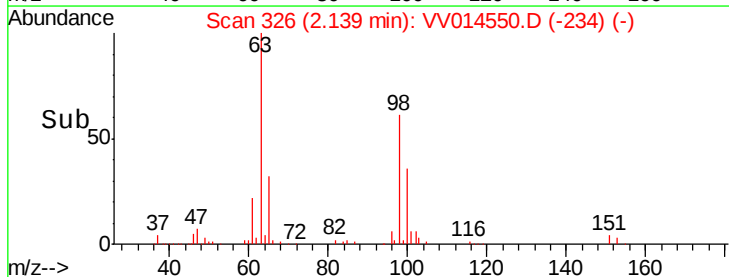
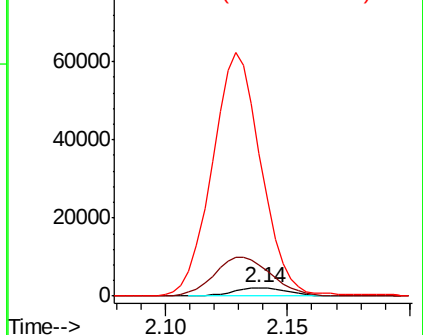
63 1761.9 101.6 188.6#

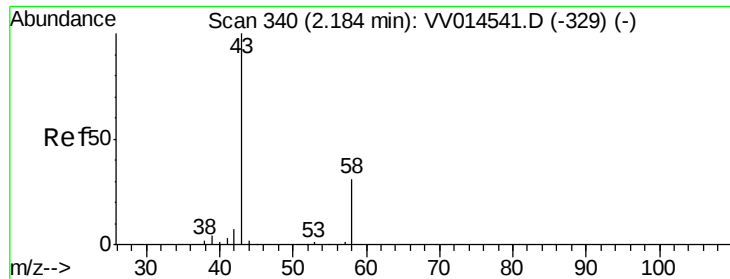


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 6.651 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

Lab File: VV014550.D

Acq: 10 Feb 2020 14:33

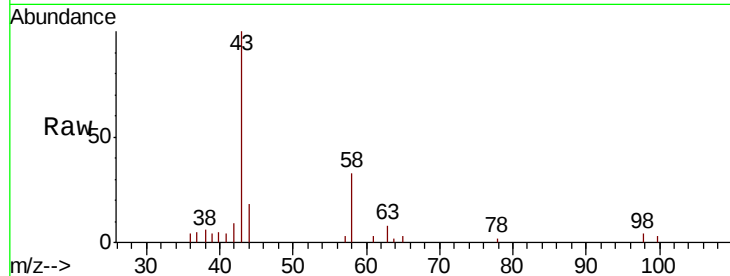
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 7588

Ion Ratio Lower Upper

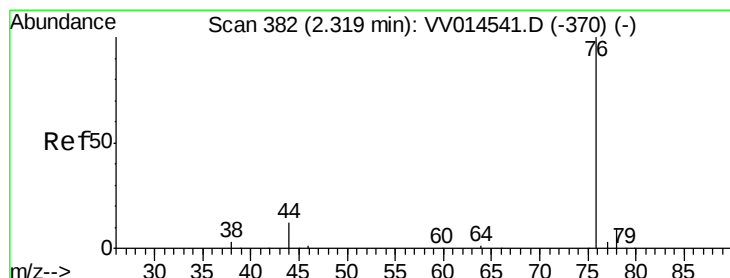
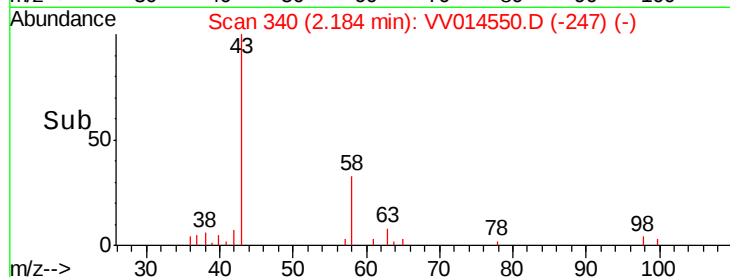
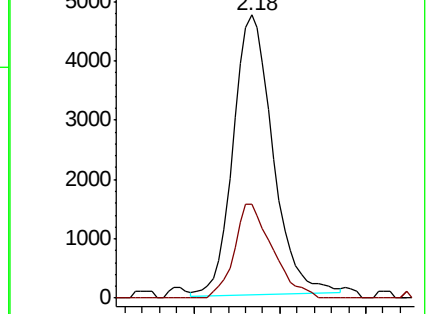
43 100

58 32.4 0.0 61.8



Abundance Ion 43.00 (42.70 to 43.70): VV014550.D (-247) (-)

Ion 58.00 (57.70 to 58.70): VV014550.D (-247) (-)



#14

Carbon disulfide

Concen: 2.193 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV014550.D

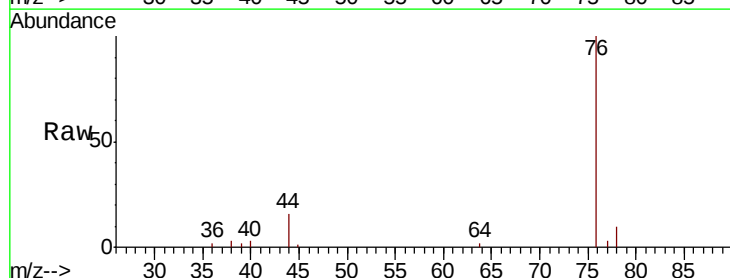
Acq: 10 Feb 2020 14:33

Tgt Ion: 76 Resp: 13319

Ion Ratio Lower Upper

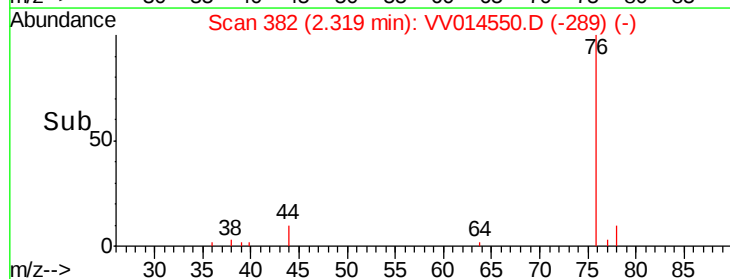
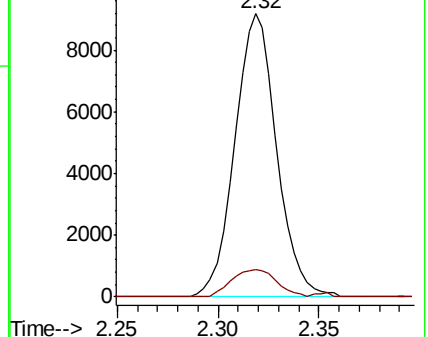
76 100

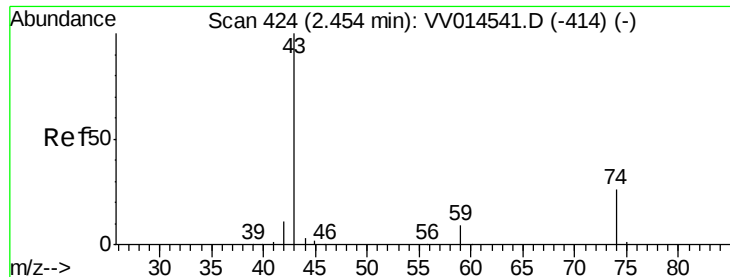
78 9.6 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VV014550.D (-289) (-)

Ion 78.00 (77.70 to 78.70): VV014550.D (-289) (-)

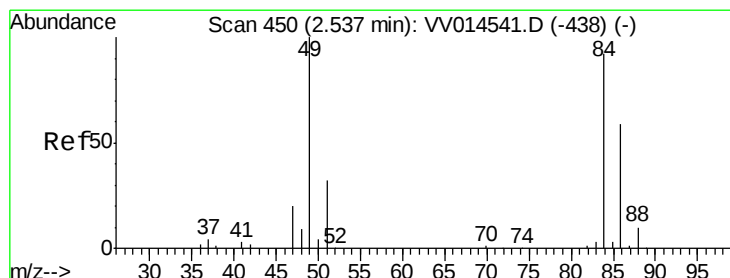
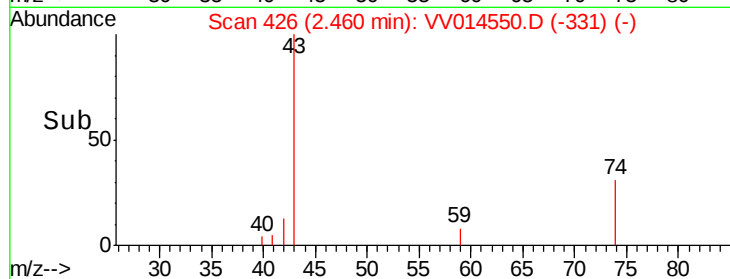
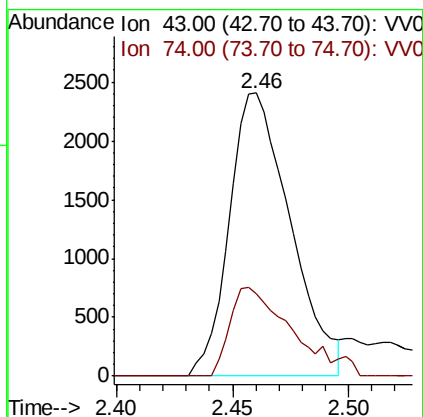
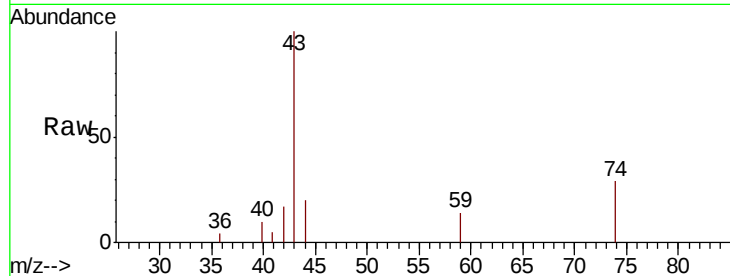




#15
Methvl Acetate
Concen: 2.003 ug/L
RT: 2.46 min Scan# 426
Delta R.T. 0.01 min
Lab File: VV014550.D
Acq: 10 Feb 2020 14:33

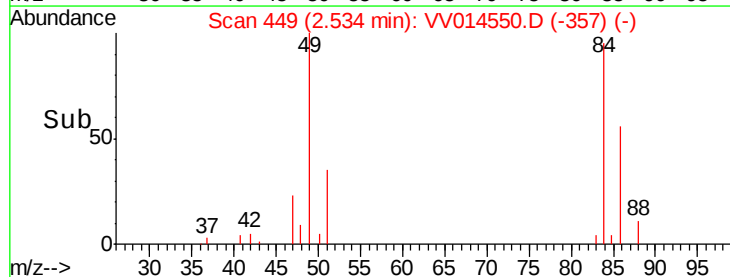
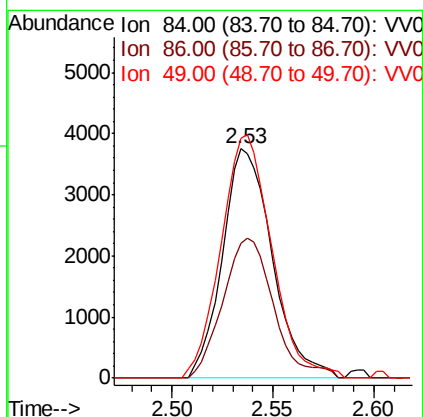
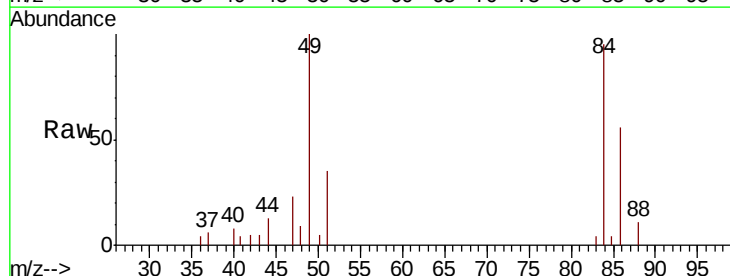
Instrument :
MSVOA_V
ClientSampleId :

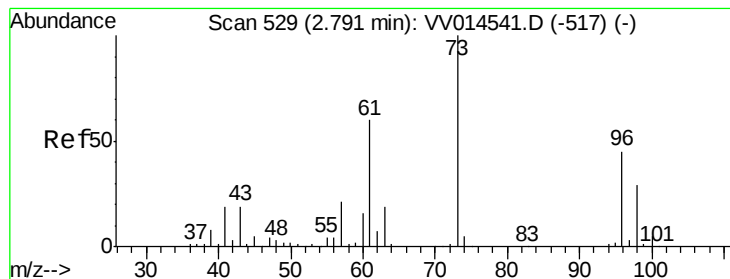
Tot Ion: 43 Resp: 4394
Ion Ratio Lower Upper
43 100
74 28.5 19.4 29.0



#16
Methylene chloride
Concen: 2.728 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV014550.D
Acq: 10 Feb 2020 14:33

Tgt Ion: 84 Resp: 6482
Ion Ratio Lower Upper
84 100
86 59.0 44.6 82.8
49 104.8 83.2 154.4





#17

trans-1,2-Dichloroethene

Concen: 2.320 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV014550.D

Acq: 10 Feb 2020 14:33

Instrument :
MSVOA_V
ClientSampleId :

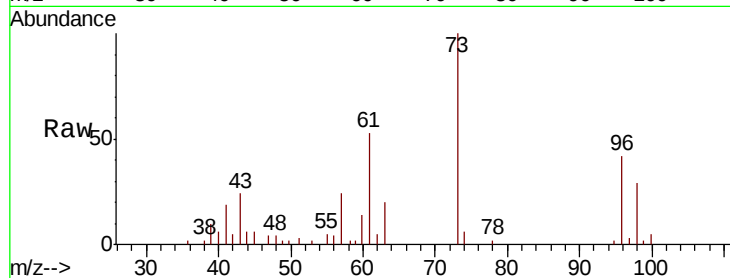
Tot Ion: 96 Resp: 5113

Ion Ratio Lower Upper

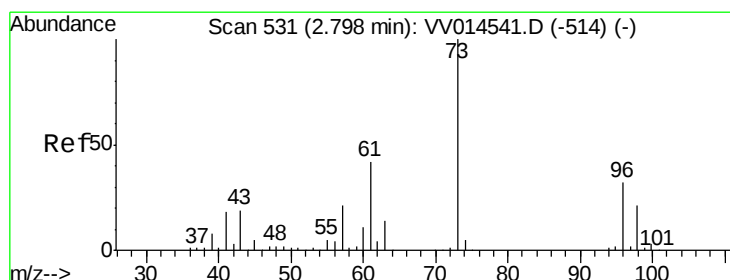
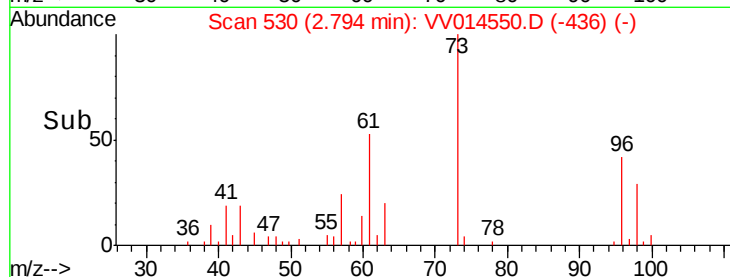
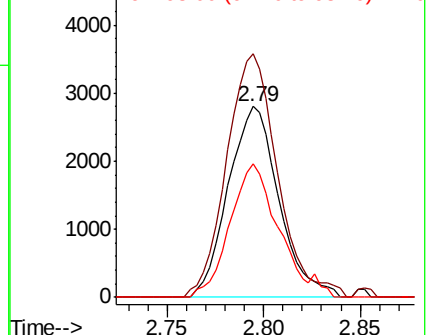
96 100

61 127.7 95.8 178.0

98 69.7 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: 2.243 ug/L

RT: 2.80 min Scan# 532

Delta R.T. 0.00 min

Lab File: VV014550.D

Acq: 10 Feb 2020 14:33

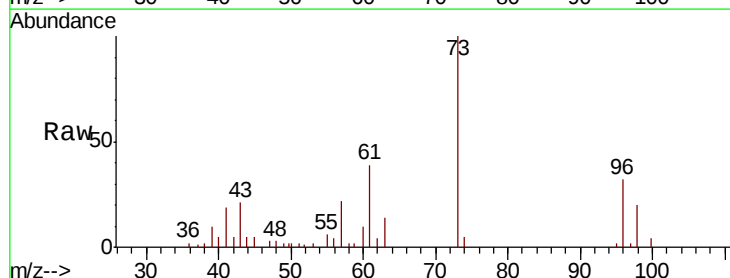
Tgt Ion: 73 Resp: 15654

Ion Ratio Lower Upper

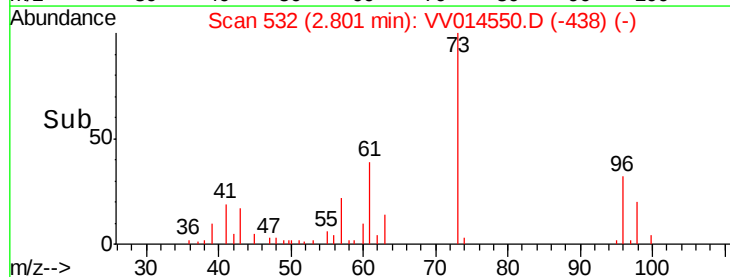
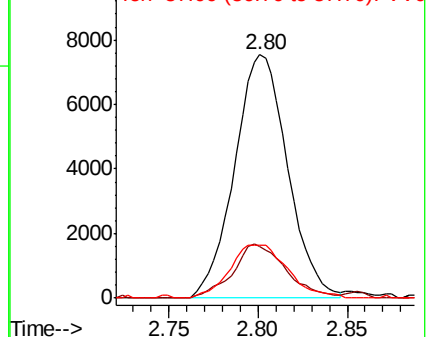
73 100

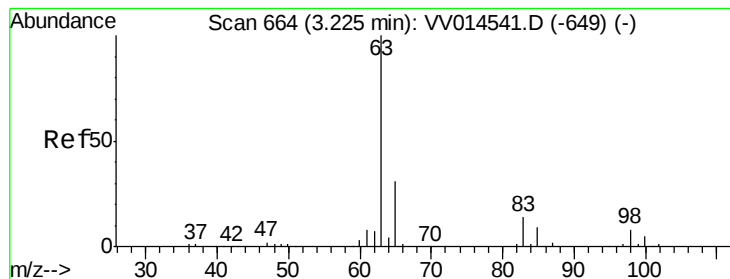
43 22.3 14.9 22.3

57 24.0 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: 2.356 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV014550.D

Acq: 10 Feb 2020 14:33

Instrument :

MSVOA_V

ClientSampled :

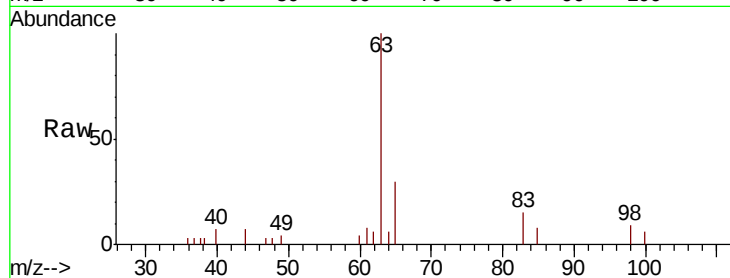
Tot Ion: 63 Resp: 9288

Ion Ratio Lower Upper

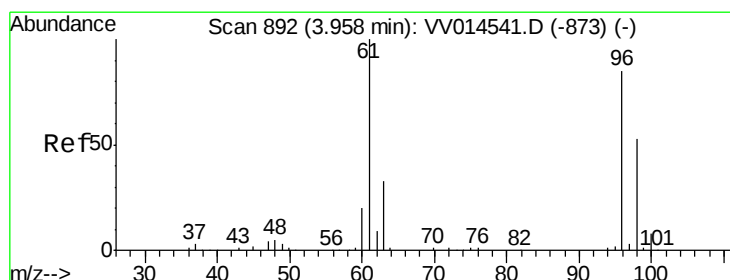
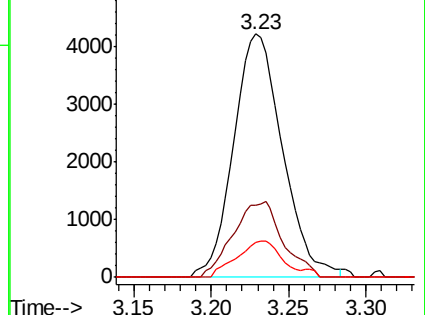
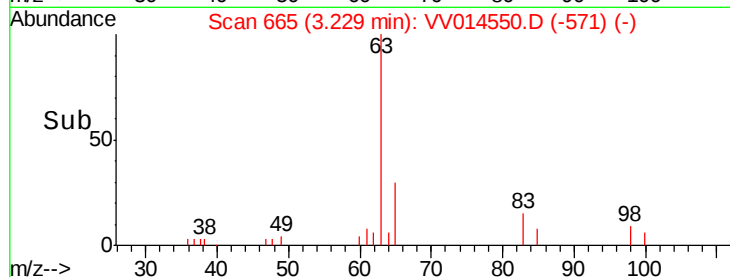
63 100

65 29.9 22.5 41.7

83 14.5 9.7 18.1



Abundance Ion 63.00 (62.70 to 63.70): VV014550.D (-571) (-)



#20

cis-1,2-Dichloroethene

Concen: 2.487 ug/L

RT: 3.96 min Scan# 893

Delta R.T. 0.00 min

Lab File: VV014550.D

Acq: 10 Feb 2020 14:33

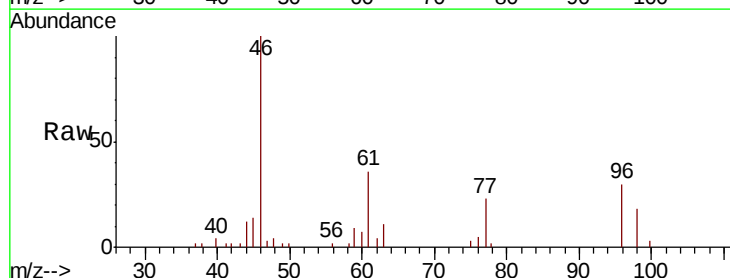
Tgt Ion: 96 Resp: 6169

Ion Ratio Lower Upper

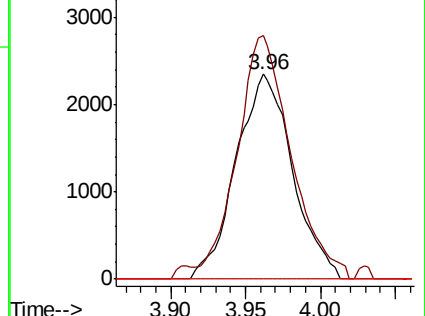
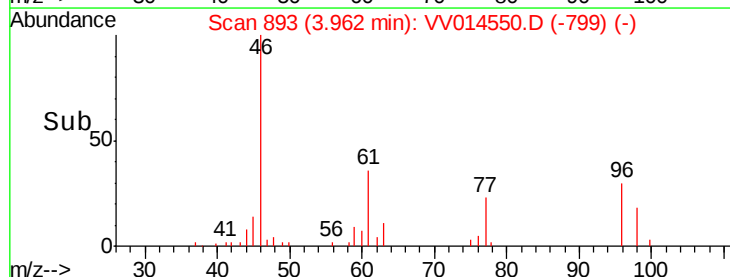
96 100

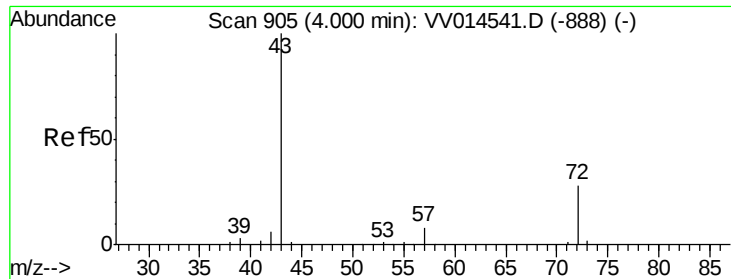
61 119.0 85.2 158.2

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV014550.D (-799) (-)





#22

2-Butanone

Concen: 4.083 ug/L

RT: 4.03 min Scan# 914

Delta R.T. 0.03 min

Lab File: VV014550.D

Acq: 10 Feb 2020 14:33

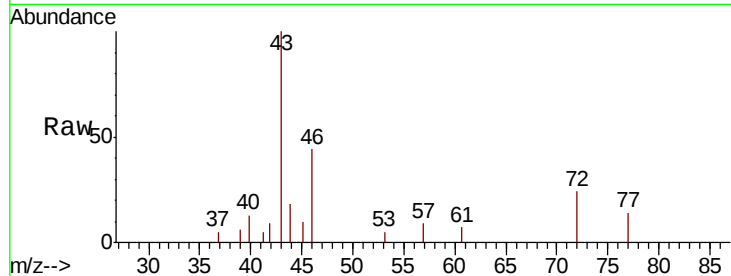
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 6889

Ion Ratio Lower Upper

43 100

72 16.3 12.7 38.1



Abundance Ion 43.00 (42.70 to 43.70): VV014550.D (-914) (-)

Ion 72.00 (71.70 to 72.70): VV014550.D (-914) (-)

4.03

2500

2000

1500

1000

500

0

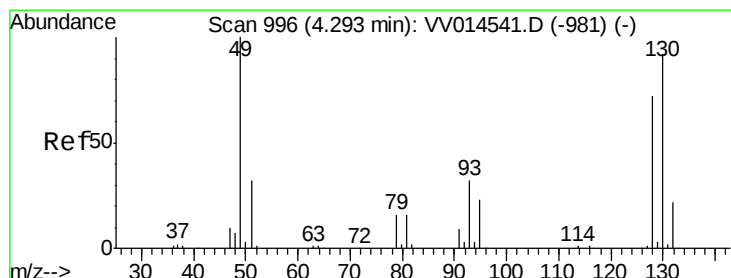
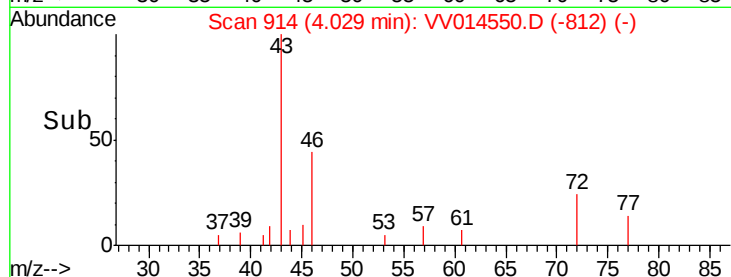
3.95

4.00

4.05

4.10

Time-->



#23

Bromochloromethane

Concen: 2.507 ug/L

RT: 4.30 min Scan# 997

Delta R.T. 0.00 min

Lab File: VV014550.D

Acq: 10 Feb 2020 14:33

Tgt Ion: 128 Resp: 2945

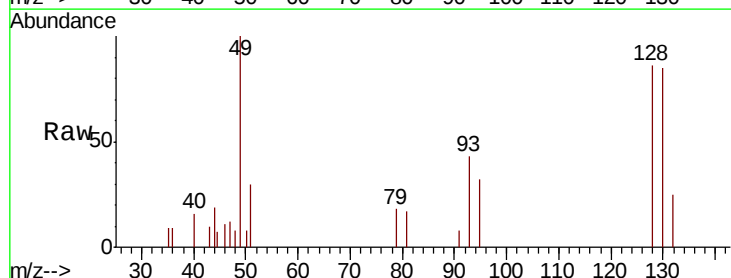
Ion Ratio Lower Upper

128 100

49 115.9 110.1 204.5

130 99.0 88.5 164.4

51 34.4 39.4 59.0#



Abundance Ion 128.00 (127.70 to 128.70): VV014550.D (-997) (-)

Ion 49.00 (48.70 to 49.70): VV014550.D (-997) (-)

Ion 130.00 (129.70 to 130.70): VV014550.D (-997) (-)

Ion 51.00 (50.70 to 51.70): VV014550.D (-997) (-)

15000

10000

5000

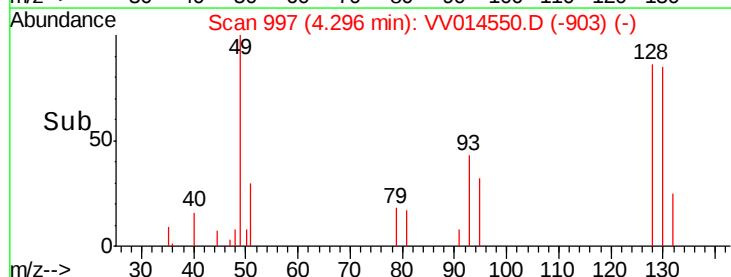
0

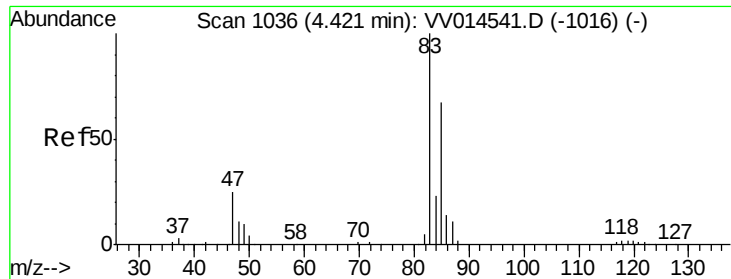
4.25

4.30

4.35

Time-->

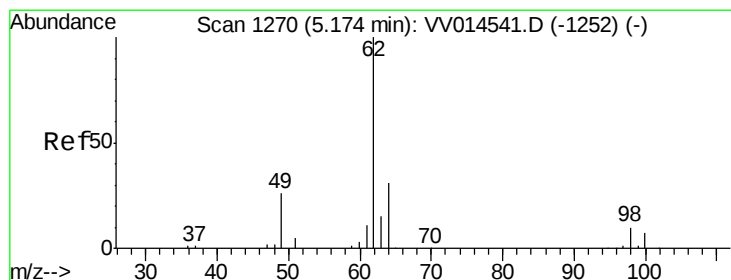
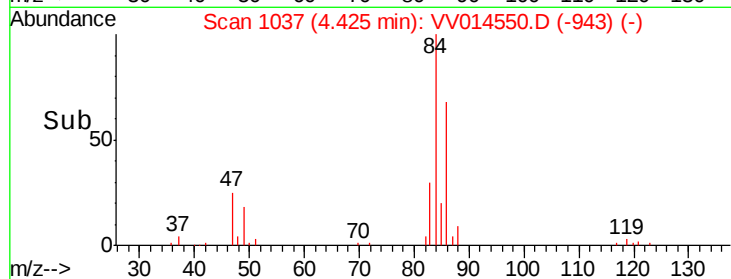
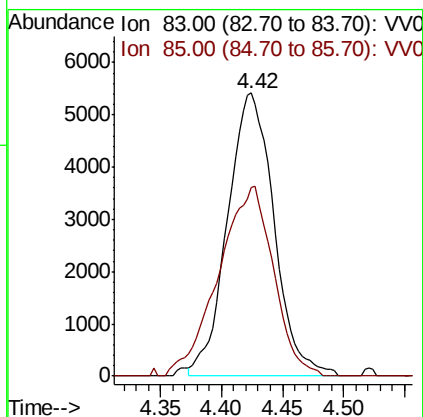
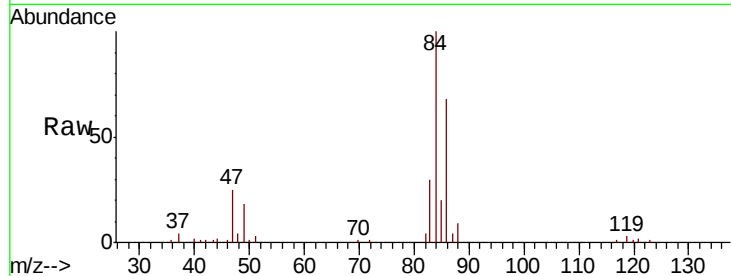




#25
Chloroform
Concen: 3.580 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV014550.D
Acq: 10 Feb 2020 14:33

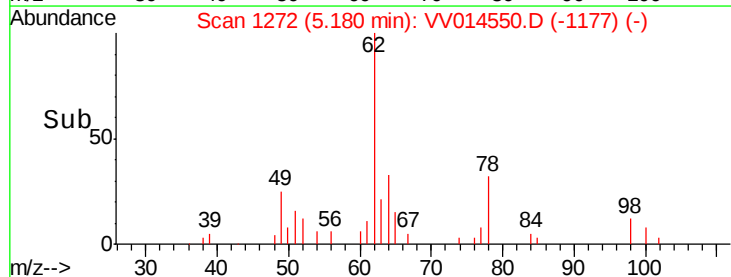
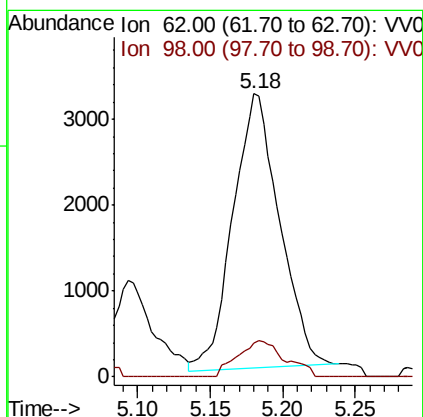
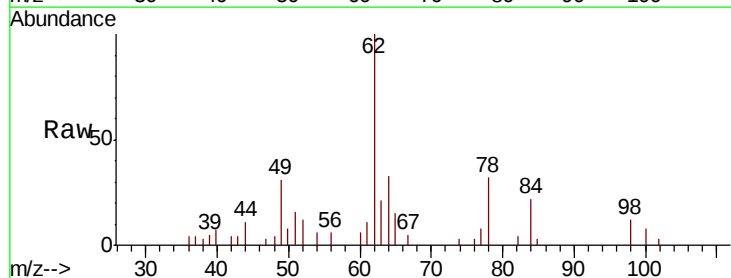
Instrument :
MSVOA_V
ClientSampled :

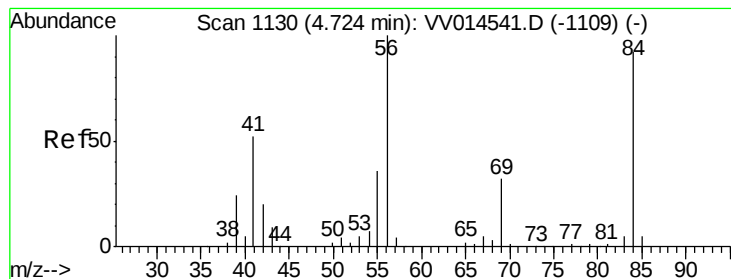
Tot Ion: 83 Resp: 14350
Ion Ratio Lower Upper
83 100
85 66.5 45.8 85.0



#27
1,2-Dichloroethane
Concen: 2.390 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.01 min
Lab File: VV014550.D
Acq: 10 Feb 2020 14:33

Tgt Ion: 62 Resp: 7136
Ion Ratio Lower Upper
62 100
98 11.7 8.2 12.4





#29

Cyclohexane

Concen: 2.167 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VV014550.D

Acq: 10 Feb 2020 14:33

Instrument :
MSVOA_V
ClientSampleId :

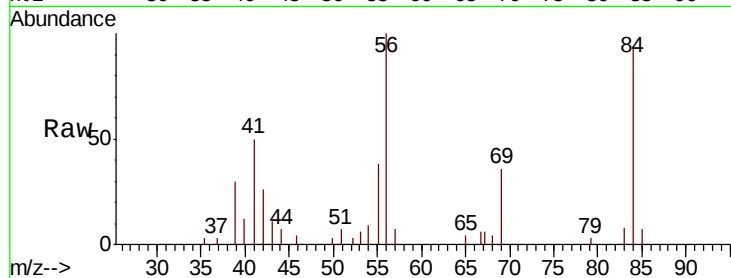
Tot Ion: 56 Resp: 8095

Ion Ratio Lower Upper

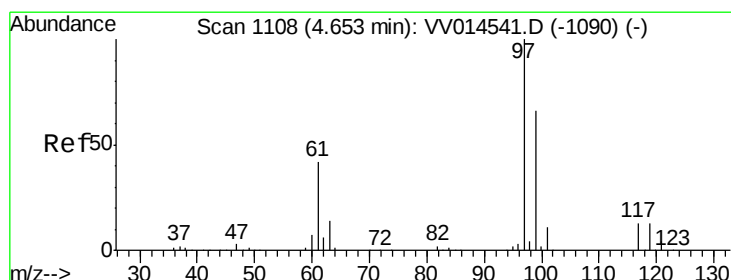
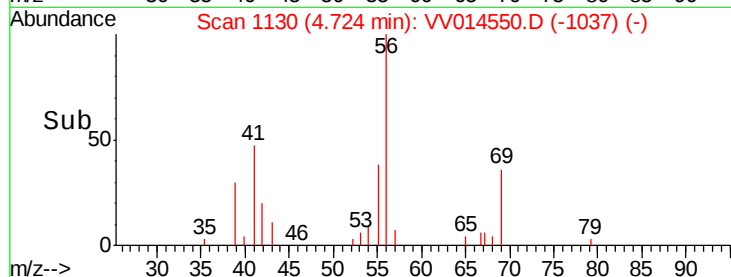
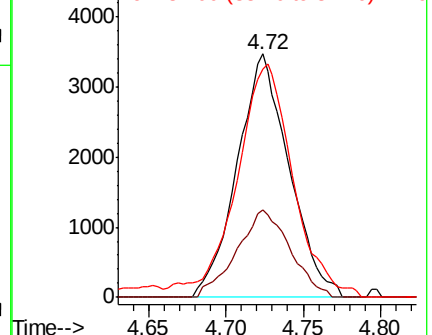
56 100

69 36.8 25.2 37.8

84 92.4 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: 2.493 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV014550.D

Acq: 10 Feb 2020 14:33

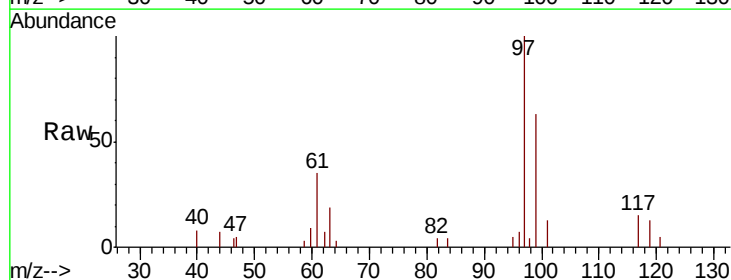
Tgt Ion: 97 Resp: 8646

Ion Ratio Lower Upper

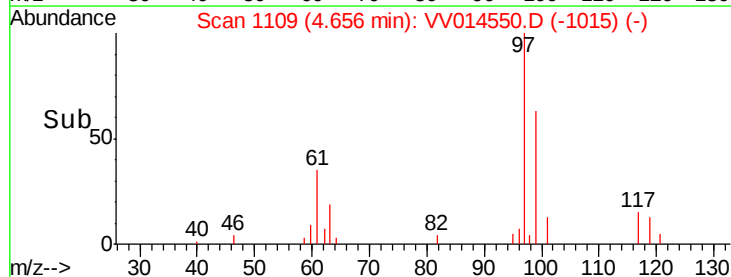
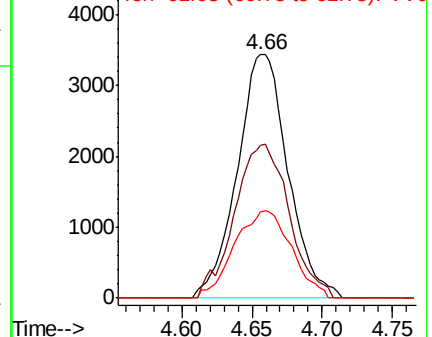
97 100

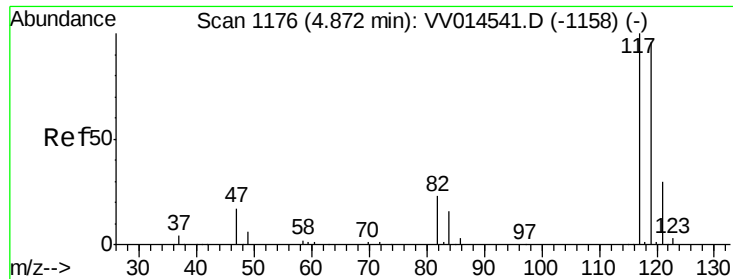
99 65.2 50.6 76.0

61 40.1 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: 2.427 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV014550.D

Acq: 10 Feb 2020 14:33

Instrument :

MSVOA_V

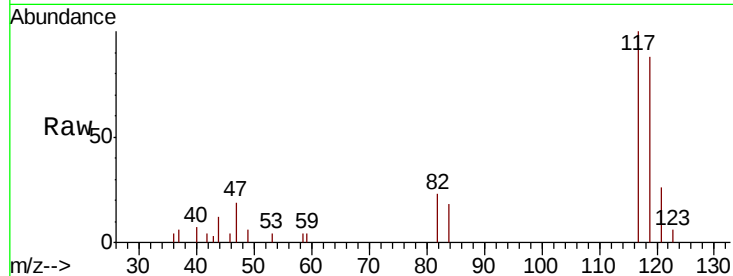
ClientSampleId :

Tot Ion:117 Resp: 7424

Ion Ratio Lower Upper

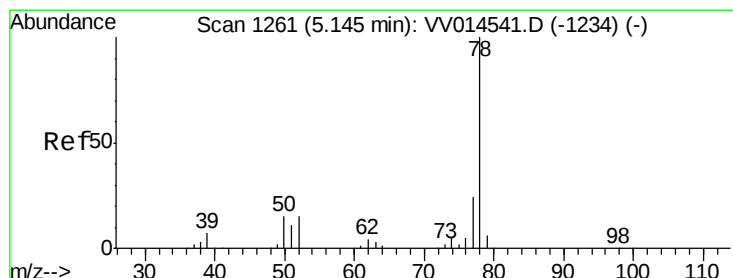
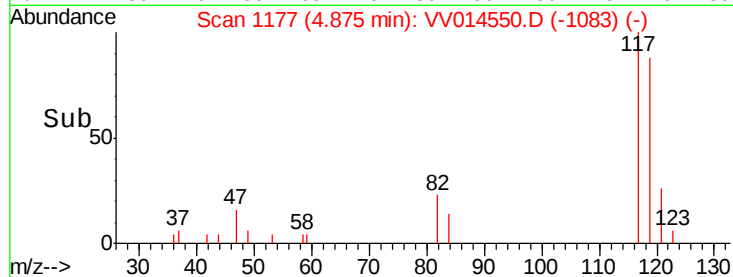
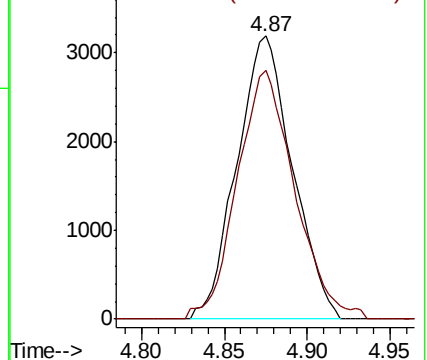
117 100

119 89.9 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 2.399 ug/L

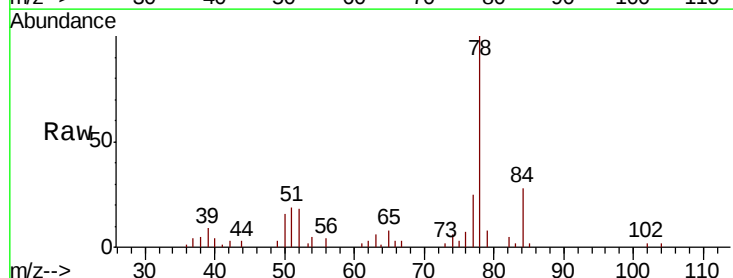
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

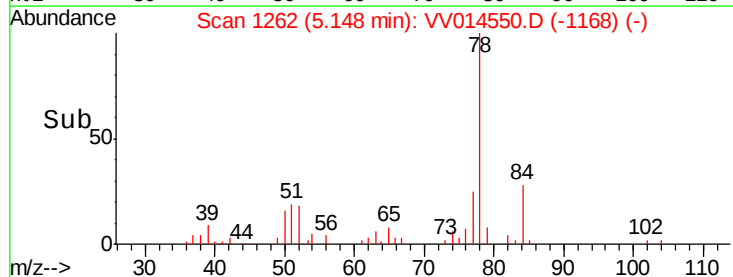
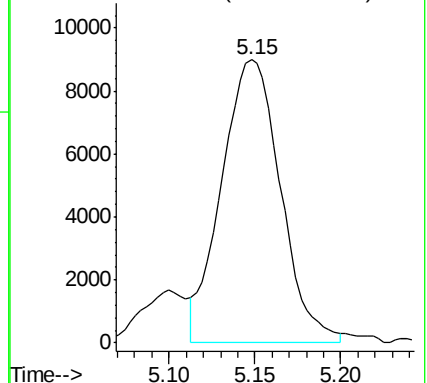
Lab File: VV014550.D

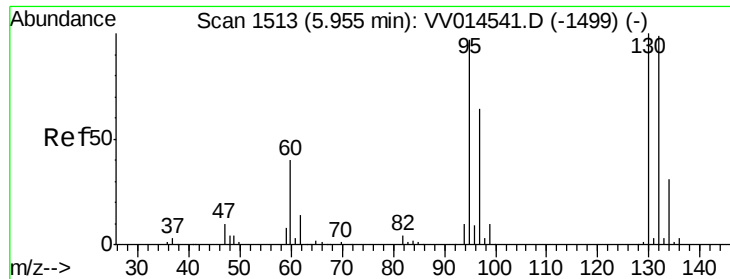
Acq: 10 Feb 2020 14:33

Tgt Ion: 78 Resp: 21431



Abundance Ion 78.00 (77.70 to 78.70): VV0

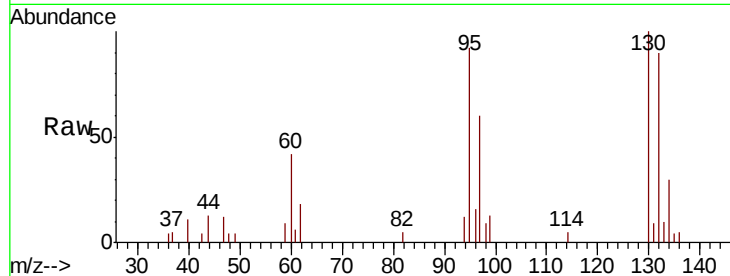




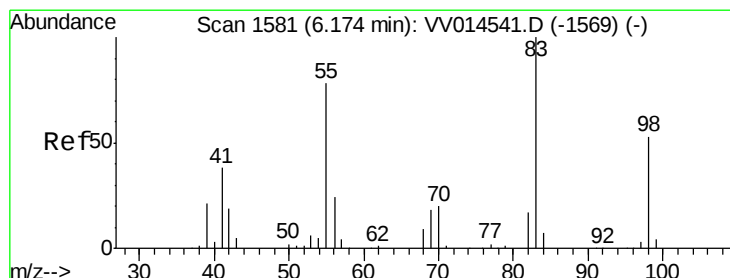
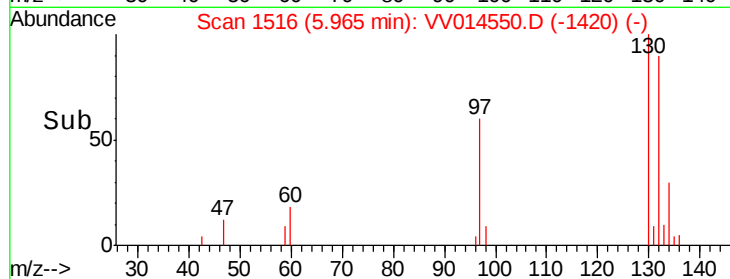
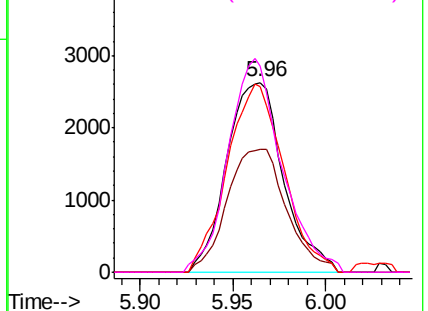
#34
 Trichloroethene
 Concen: 2.359 ug/L
 RT: 5.96 min Scan# 1516
 Delta R.T. 0.01 min
 Lab File: VV014550.D
 Acq: 10 Feb 2020 14:33

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 5587
 Ion Ratio Lower Upper
 95 100
 97 65.0 45.1 83.7
 132 97.5 67.7 125.7
 130 108.2 70.5 130.9

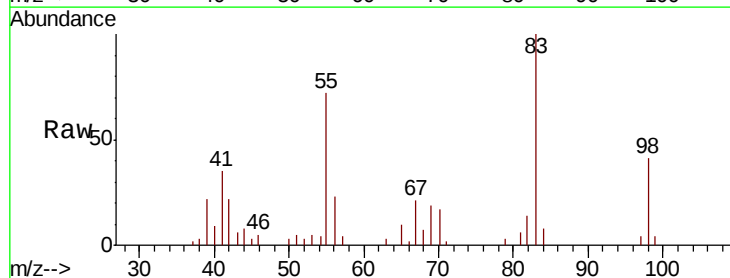


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

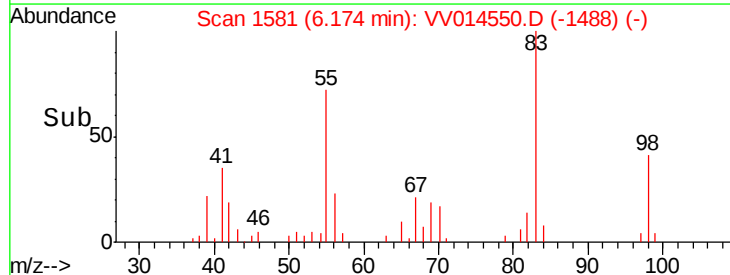
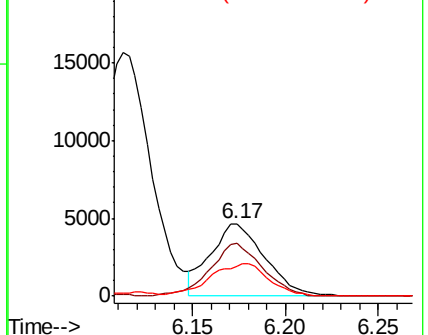


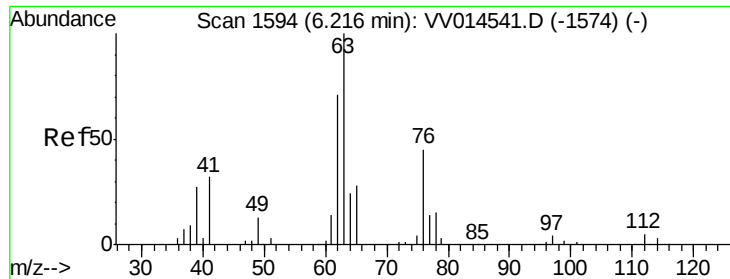
#35
 Methylcyclohexane
 Concen: 2.461 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VV014550.D
 Acq: 10 Feb 2020 14:33

Tgt Ion: 83 Resp: 9523
 Ion Ratio Lower Upper
 83 100
 55 69.3 60.7 91.1
 98 48.1 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

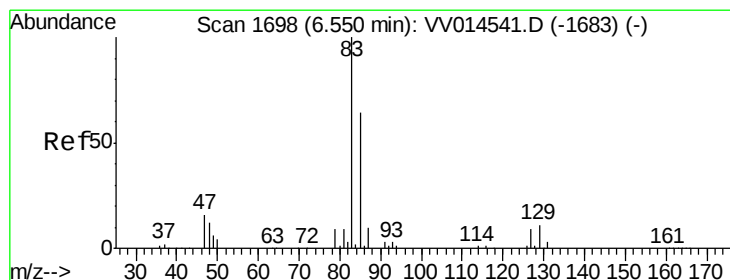
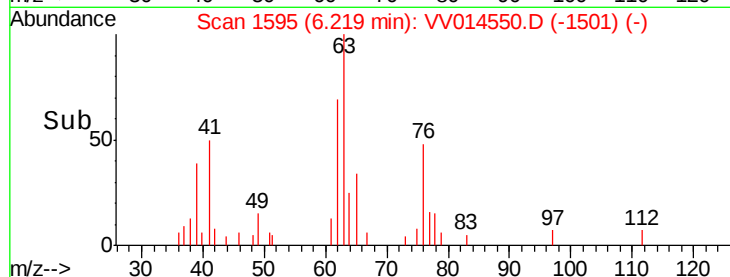
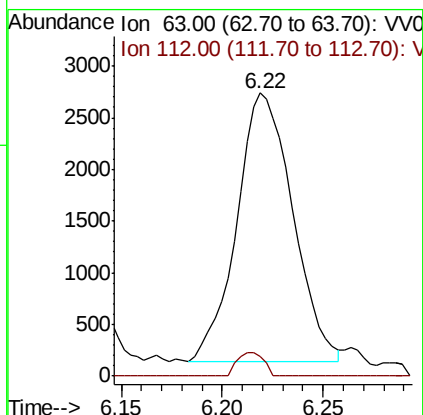
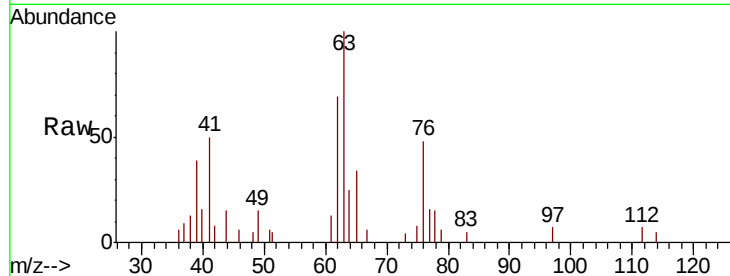




#37
 1,2-Dichloropropane
 Concen: 2.217 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV014550.D
 Acq: 10 Feb 2020 14:33

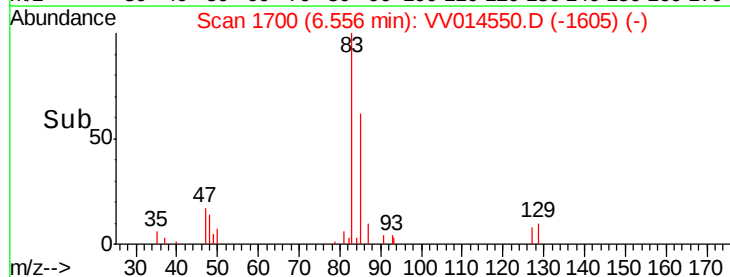
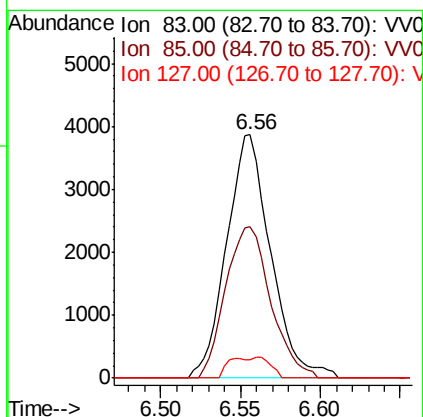
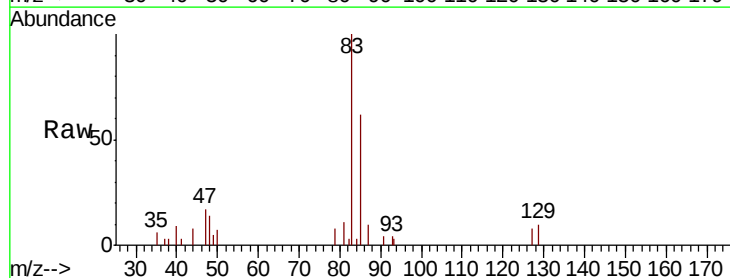
Instrument :
 MSVOA_V
 ClientSampleId :

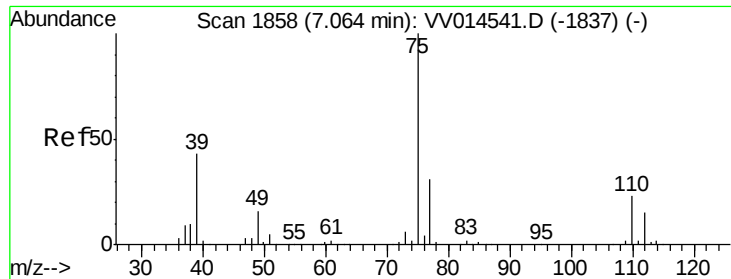
Tot Ion: 63 Resp: 5044
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.7 5.5



#38
 Bromodichloromethane
 Concen: 2.386 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.01 min
 Lab File: VV014550.D
 Acq: 10 Feb 2020 14:33

Tgt Ion: 83 Resp: 7286
 Ion Ratio Lower Upper
 83 100
 85 62.1 44.4 82.4
 127 7.7 6.7 10.1

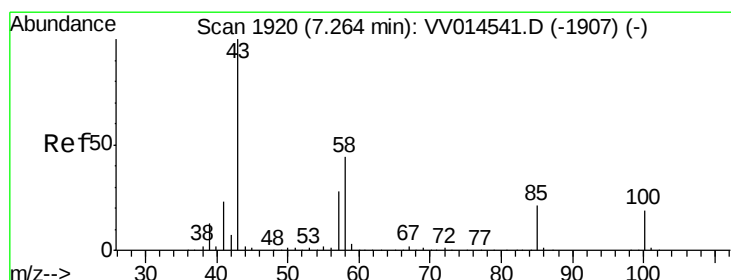
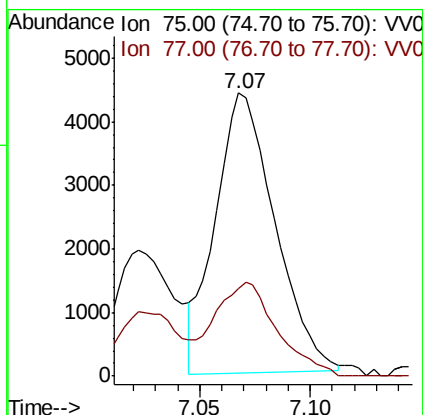
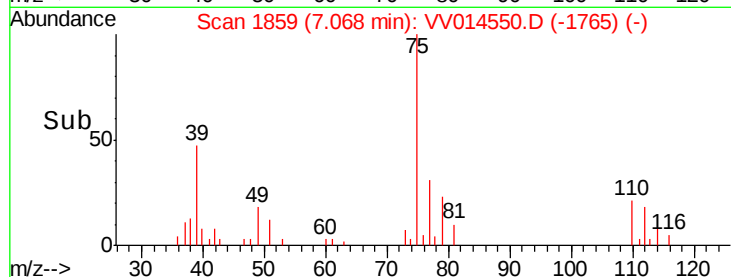
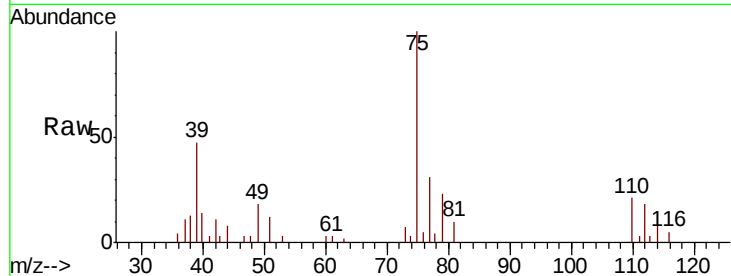




#39
 cis-1,3-Dichloropropene
 Concen: 2.171 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VV014550.D
 Acq: 10 Feb 2020 14:33

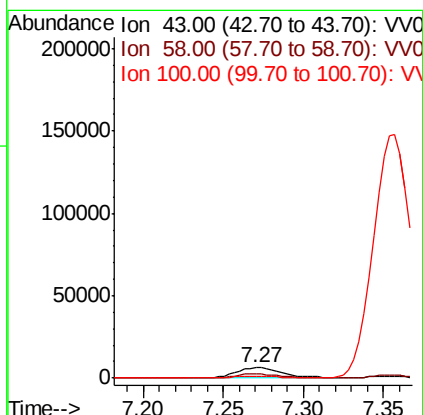
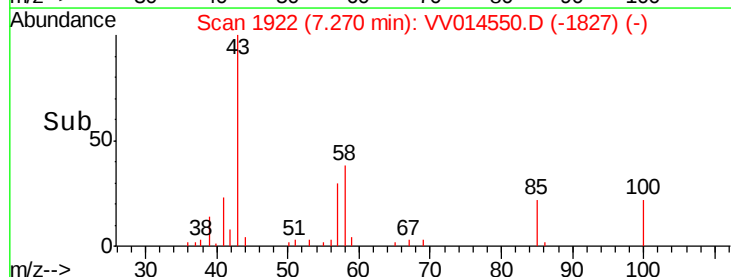
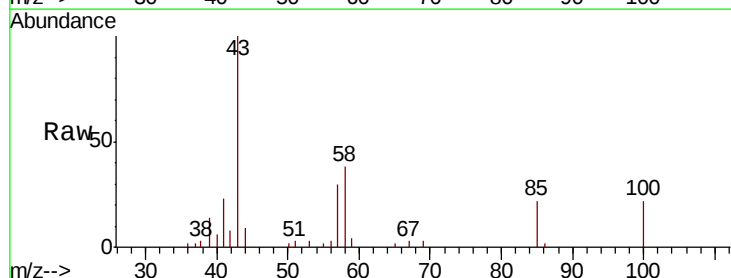
Instrument :
 MSVOA_V
 ClientSampled :

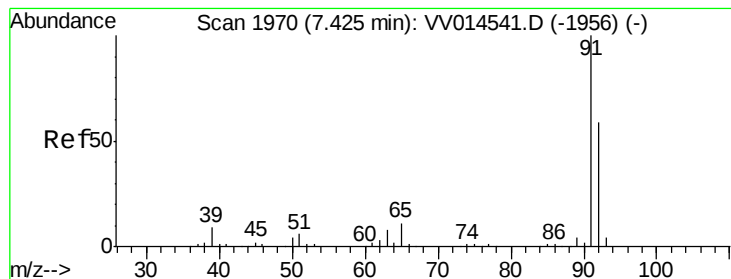
Tot Ion: 75 Resp: 8242
 Ion Ratio Lower Upper
 75 100
 77 31.0 22.7 42.1



#40
 4-Methyl-2-pentanone
 Concen: 4.222 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.01 min
 Lab File: VV014550.D
 Acq: 10 Feb 2020 14:33

Tgt Ion: 43 Resp: 12415
 Ion Ratio Lower Upper
 43 100
 58 40.0 33.2 49.8
 100 19.8 13.9 20.9





#42

Toluene

Concen: 2.474 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VV014550.D

Acq: 10 Feb 2020 14:33

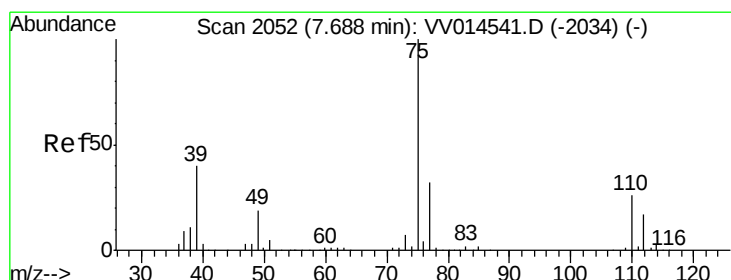
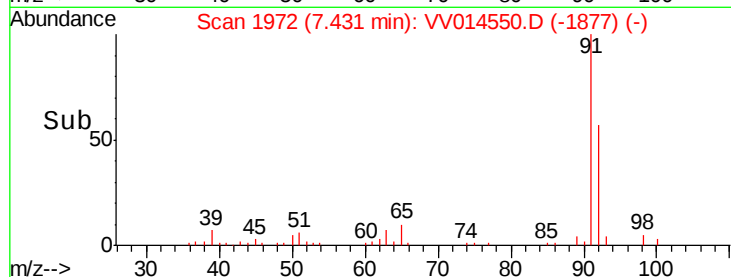
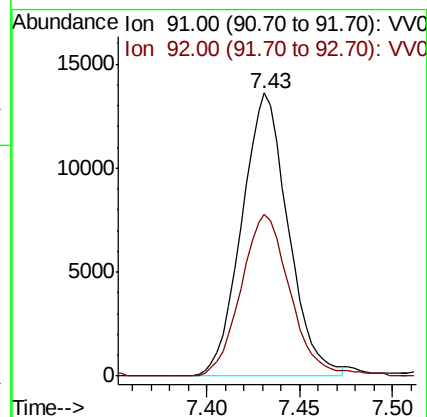
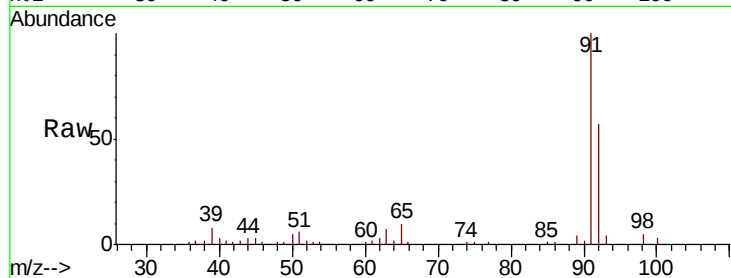
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 23701

Ion Ratio Lower Upper

91 100

92 57.3 41.6 77.2



#44

trans-1,3-Dichloropropene

Concen: 2.374 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV014550.D

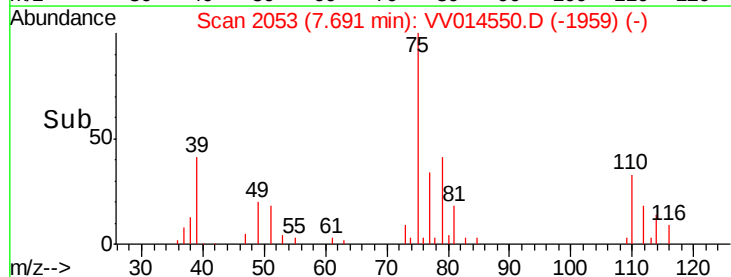
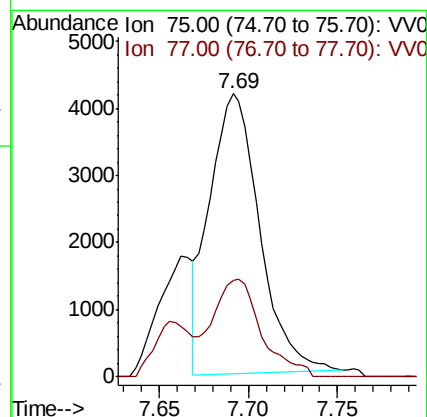
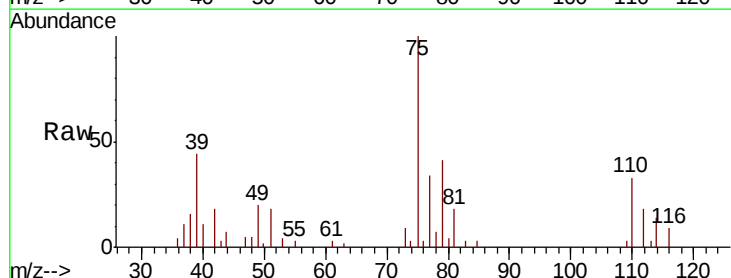
Acq: 10 Feb 2020 14:33

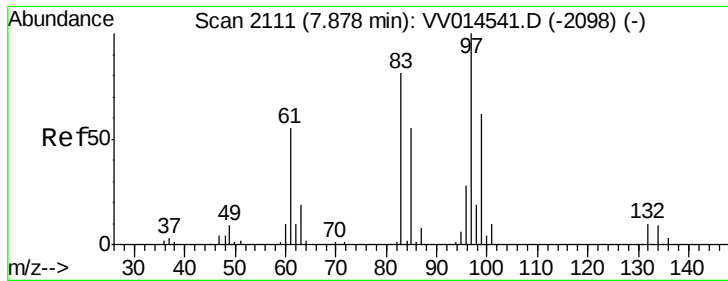
Tgt Ion: 75 Resp: 8081

Ion Ratio Lower Upper

75 100

77 34.2 22.2 41.2





#45

1,1,2-Trichloroethane

Concen: 2.345 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VV014550.D

Acq: 10 Feb 2020 14:33

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 97 Resp: 5120

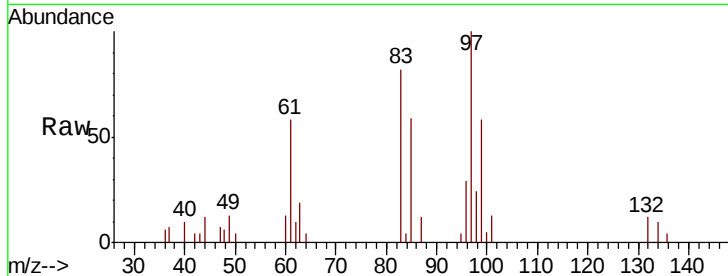
Ion Ratio Lower Upper

97 100

99 57.7 44.5 82.7

83 82.3 60.1 111.5

85 59.4 38.1 70.9



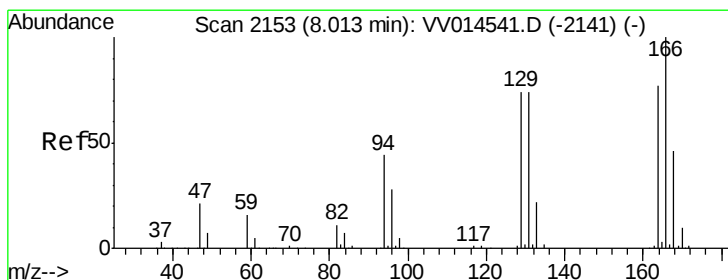
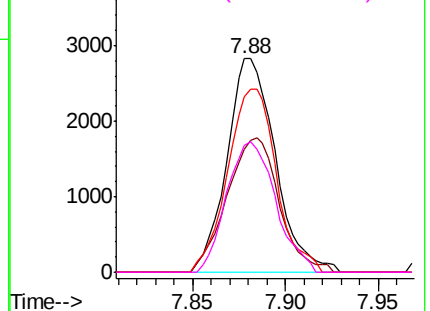
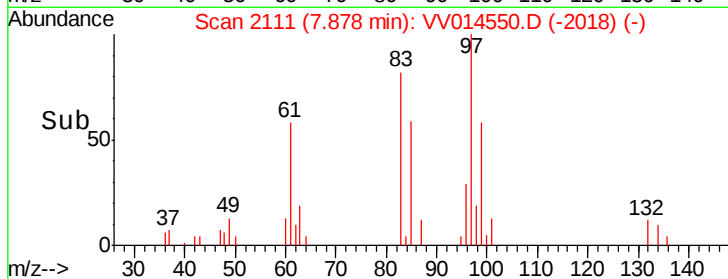
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 2.331 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV014550.D

Acq: 10 Feb 2020 14:33

Tgt Ion: 164 Resp: 4210

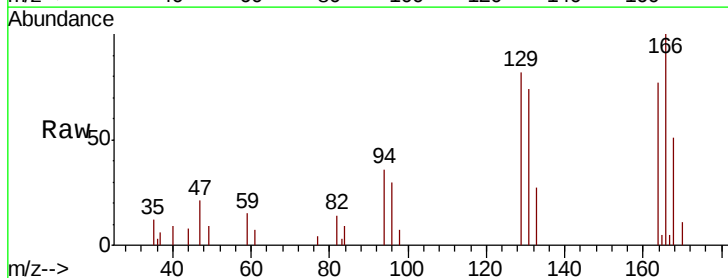
Ion Ratio Lower Upper

164 100

129 106.5 68.0 126.4

131 95.9 63.4 117.8

166 135.9 86.9 161.3



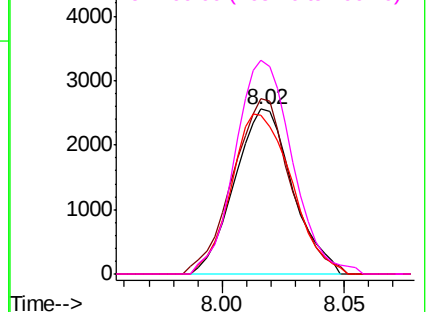
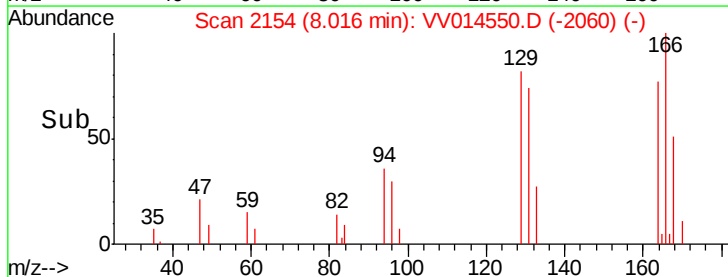
Abundance

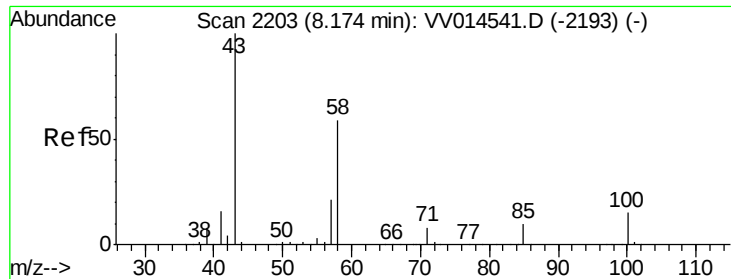
Ion 164.00 (163.70 to 164.70): V

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

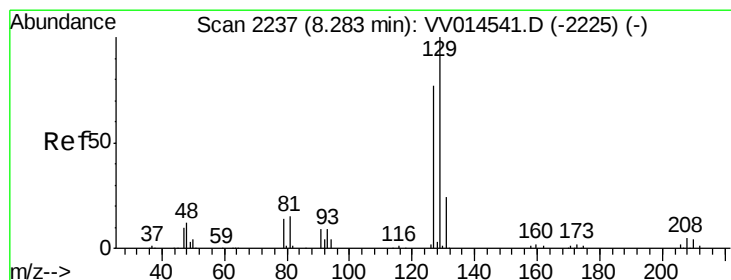
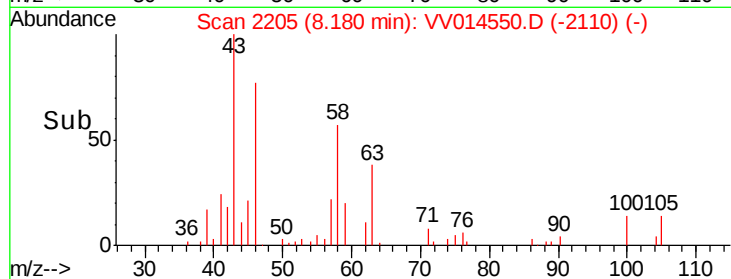
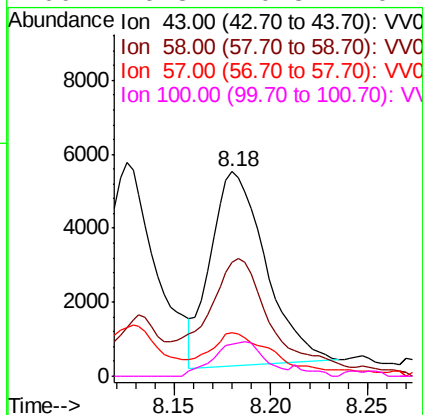
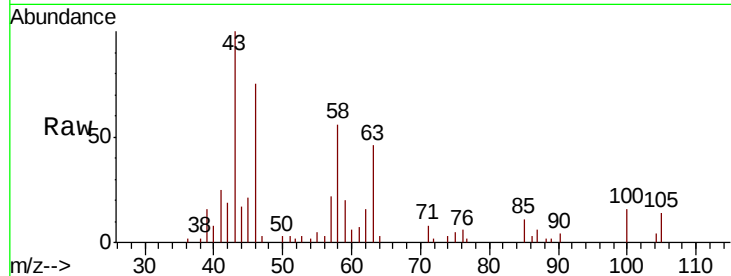




#48
2-Hexanone
Concen: 4.612 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. 0.01 min
Lab File: VV014550.D
Acq: 10 Feb 2020 14:33

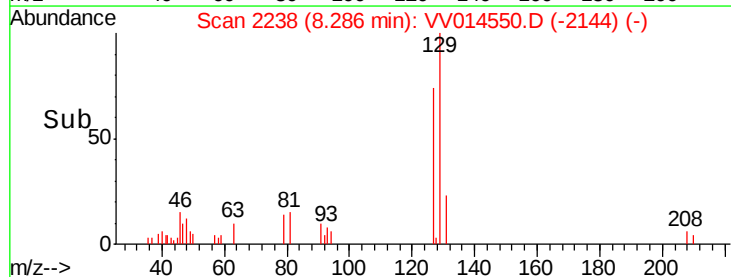
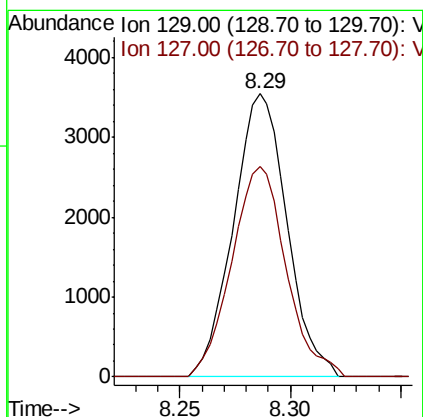
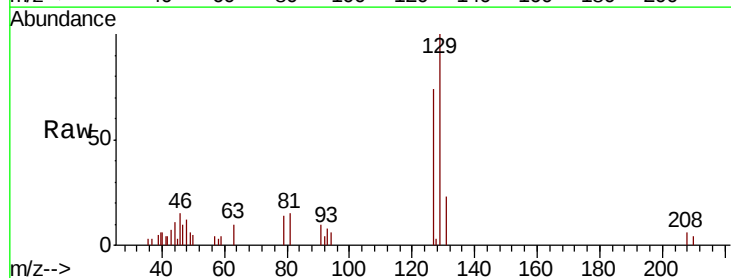
Instrument :
MSVOA_V
ClientSampleId :

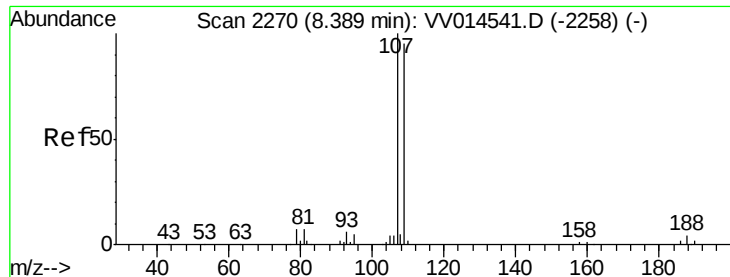
Tot Ion: 43 Resp: 10441
Ion Ratio Lower Upper
43 100
58 57.3 45.5 68.3
57 21.3 15.8 23.6
100 16.3 10.8 16.2#



#49
Dibromochloromethane
Concen: 2.424 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV014550.D
Acq: 10 Feb 2020 14:33

Tgt Ion: 129 Resp: 5975
Ion Ratio Lower Upper
129 100
127 74.4 54.1 100.5

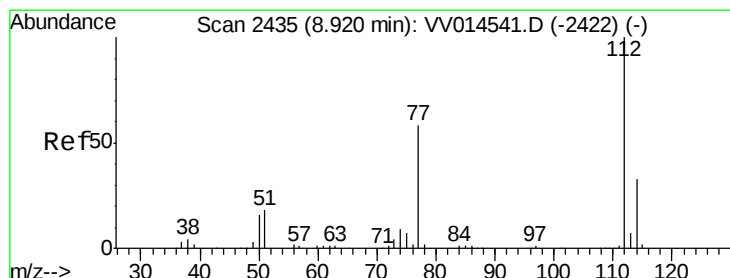
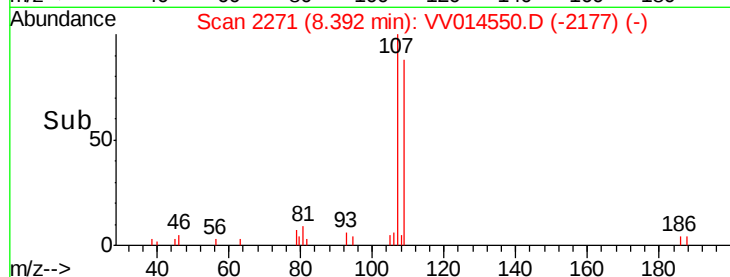
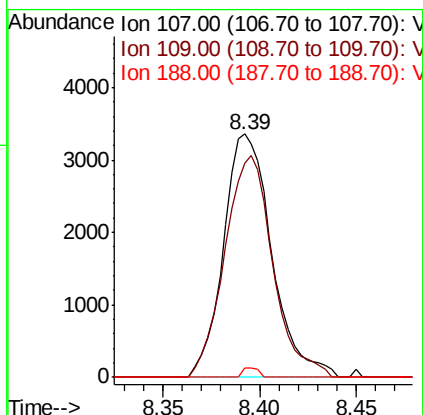
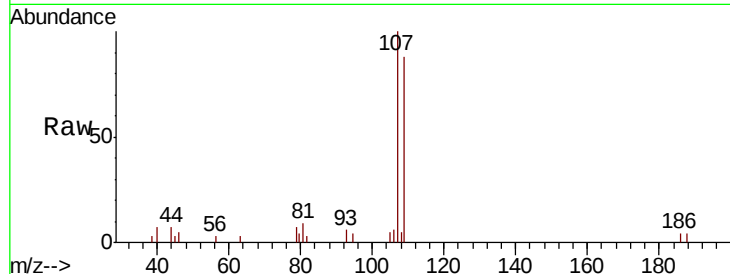




#50
 1,2-Dibromoethane
 Concen: 2.466 ug/L
 RT: 8.39 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VV014550.D
 Acq: 10 Feb 2020 14:33

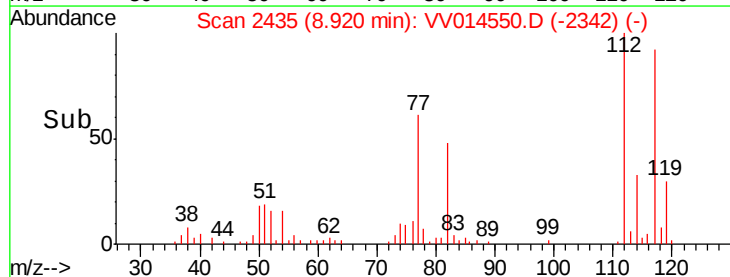
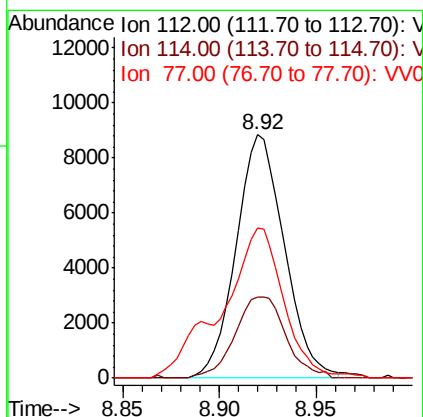
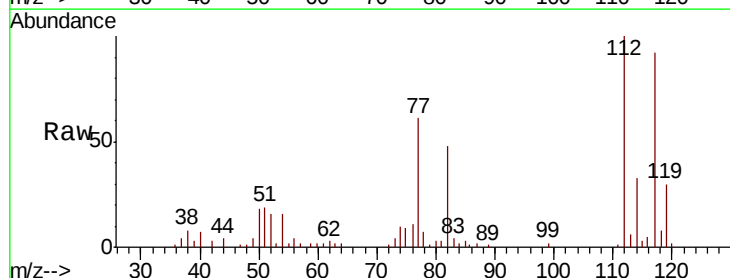
Instrument :
 MSVOA_V
 ClientSampleId :

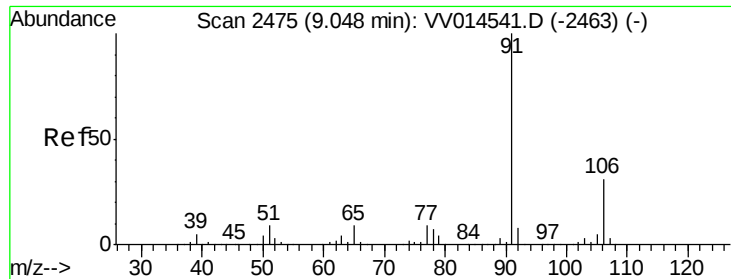
Tot Ion:107 Resp: 5830
 Ion Ratio Lower Upper
 107 100
 109 88.1 65.2 121.2
 188 3.6 2.6 4.0



#51
 Chlorobenzene
 Concen: 2.452 ug/L
 RT: 8.92 min Scan# 2435
 Delta R.T. -0.00 min
 Lab File: VV014550.D
 Acq: 10 Feb 2020 14:33

Tgt Ion:112 Resp: 15344
 Ion Ratio Lower Upper
 112 100
 114 33.4 22.3 41.5
 77 61.5 47.3 70.9





#52

Ethylbenzene

Concen: 2.329 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV014550.D

Acq: 10 Feb 2020 14:33

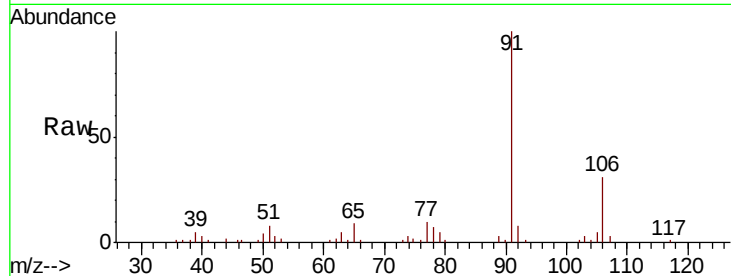
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 25019

Ion Ratio Lower Upper

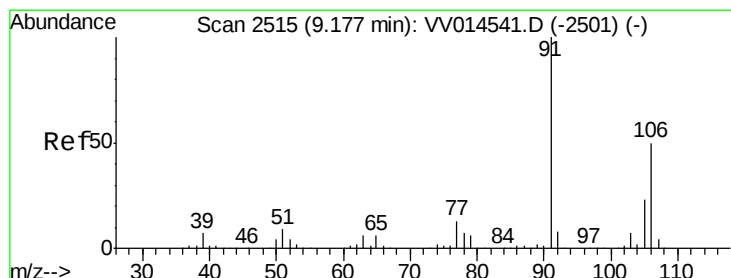
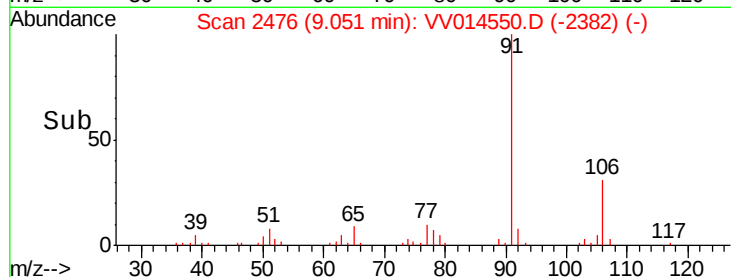
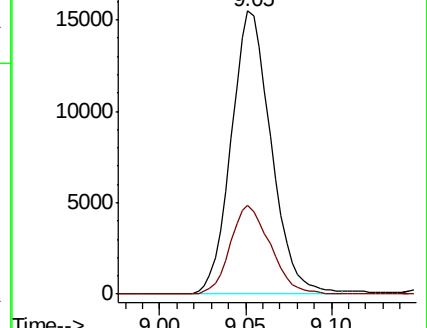
91 100

106 31.3 21.5 39.9



Abundance Ion 91.00 (90.70 to 91.70): VV014550.D (-2382) (-)

Ion 106.00 (105.70 to 106.70): VV014550.D (-2382) (-)



#53

m,p-Xylene

Concen: 2.386 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV014550.D

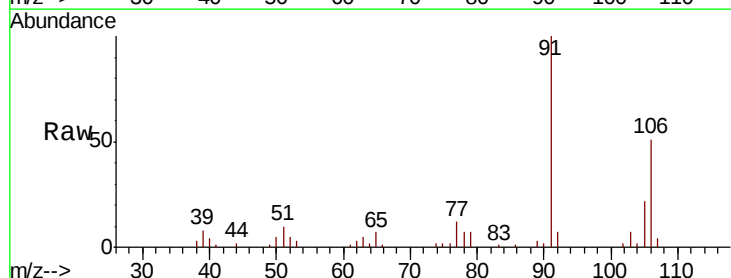
Acq: 10 Feb 2020 14:33

Tgt Ion: 106 Resp: 9871

Ion Ratio Lower Upper

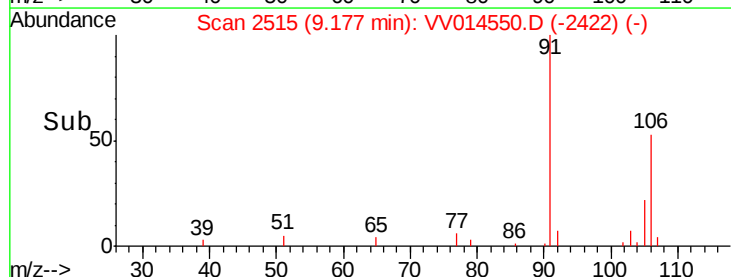
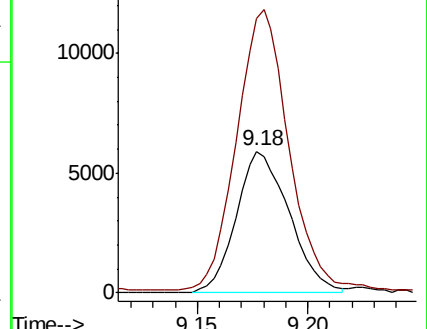
106 100

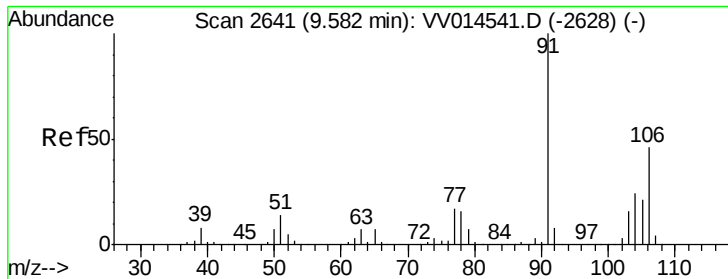
91 194.4 141.4 262.6



Abundance Ion 106.00 (105.70 to 106.70): VV014550.D (-2422) (-)

Ion 91.00 (90.70 to 91.70): VV014550.D (-2422) (-)

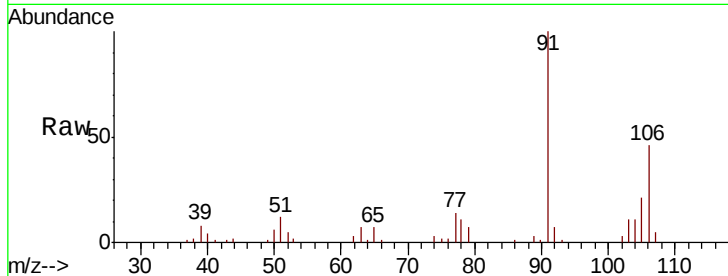




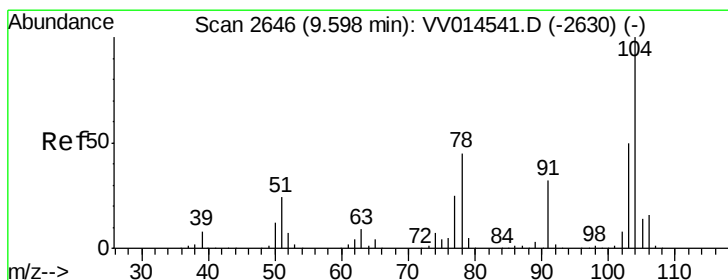
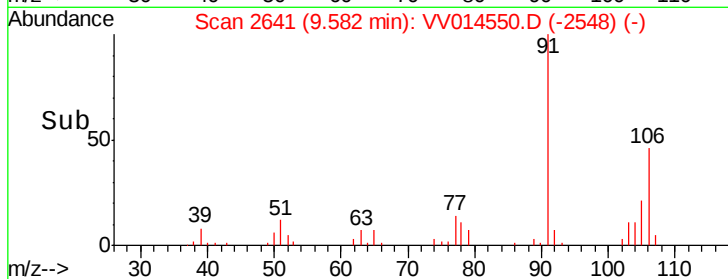
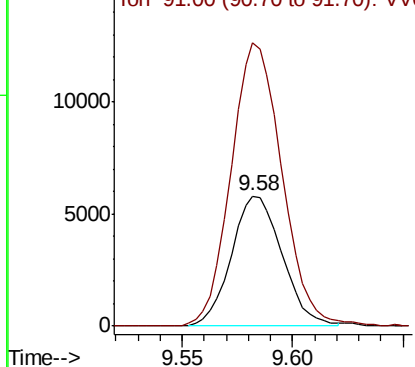
#54
o-Xylene
Concen: 2.340 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. -0.00 min
Lab File: VV014550.D
Acq: 10 Feb 2020 14:33

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 9267
Ion Ratio Lower Upper
106 100
91 218.1 149.4 277.4

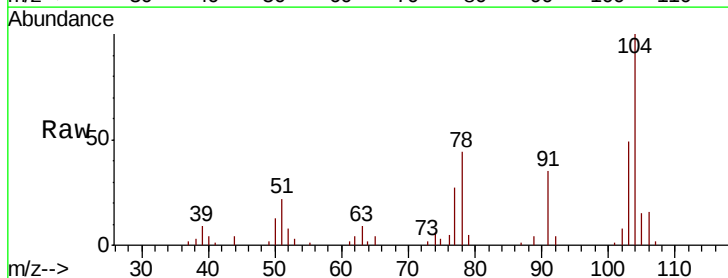


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

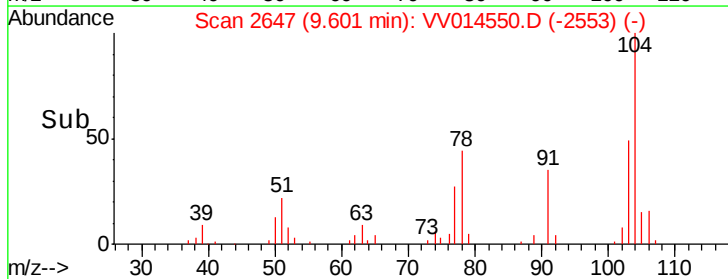
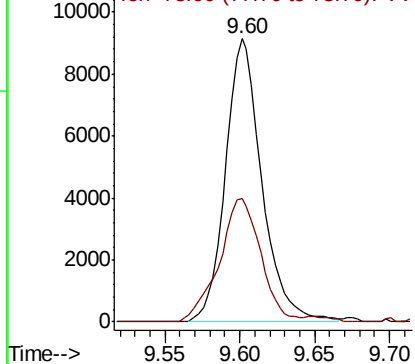


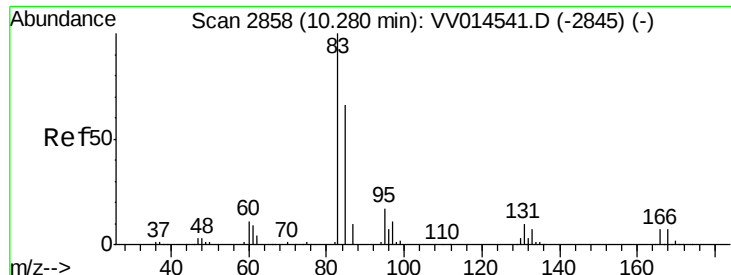
#55
Styrene
Concen: 2.291 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. 0.00 min
Lab File: VV014550.D
Acq: 10 Feb 2020 14:33

Tgt Ion:104 Resp: 15506
Ion Ratio Lower Upper
104 100
78 43.7 31.6 58.8



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0

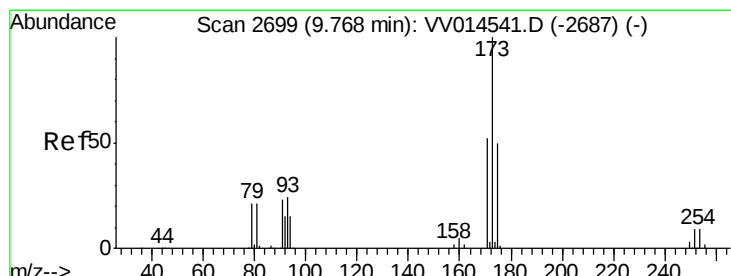
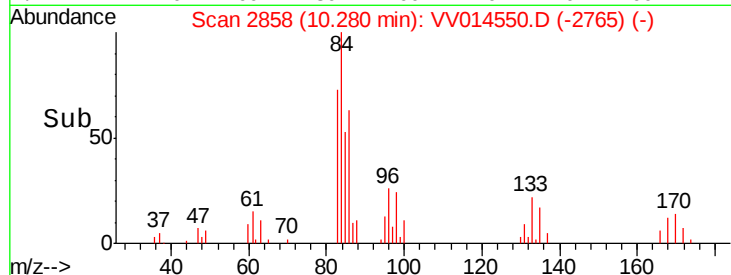
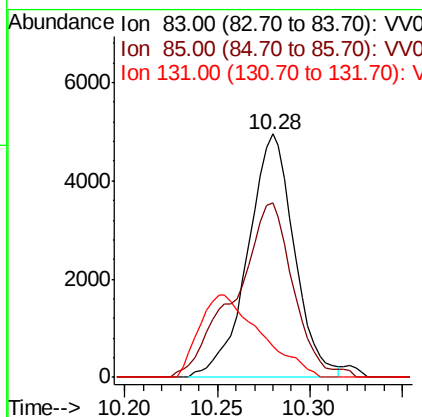
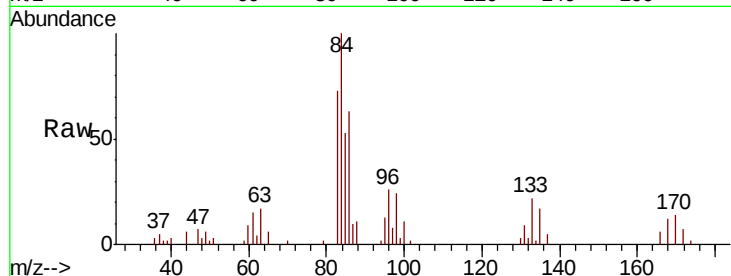




#57
 1,1,2,2-Tetrachloroethane
 Concen: 2.529 ug/L
 RT: 10.28 min Scan# 2858
 Delta R.T. -0.00 min
 Lab File: VV014550.D
 Acq: 10 Feb 2020 14:33

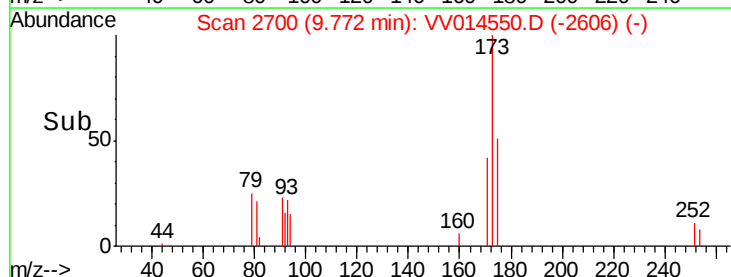
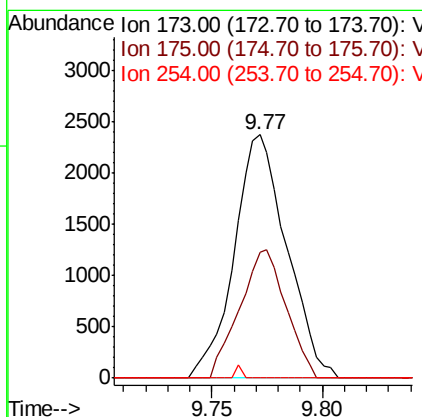
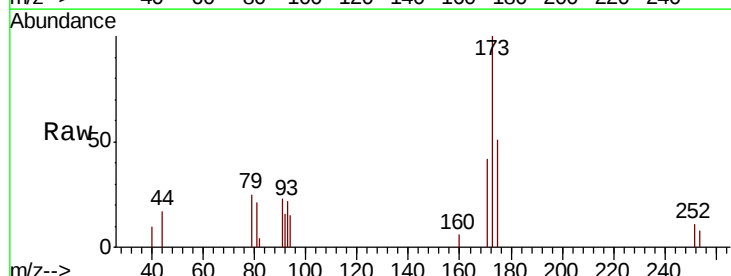
Instrument :
 MSVOA_V
 ClientSampleId :

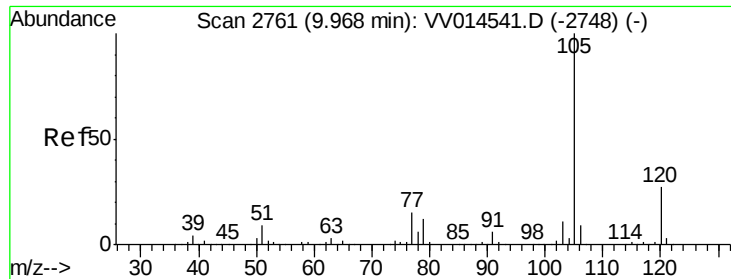
Tot Ion: 83 Resp: 8653
 Ion Ratio Lower Upper
 83 100
 85 71.8 45.2 84.0
 131 12.9 7.8 11.8#



#59
 Bromoform
 Concen: 2.322 ug/L
 RT: 9.77 min Scan# 2700
 Delta R.T. 0.00 min
 Lab File: VV014550.D
 Acq: 10 Feb 2020 14:33

Tgt Ion: 173 Resp: 3927
 Ion Ratio Lower Upper
 173 100
 175 46.5 37.8 56.8
 254 0.0 7.0 10.6#

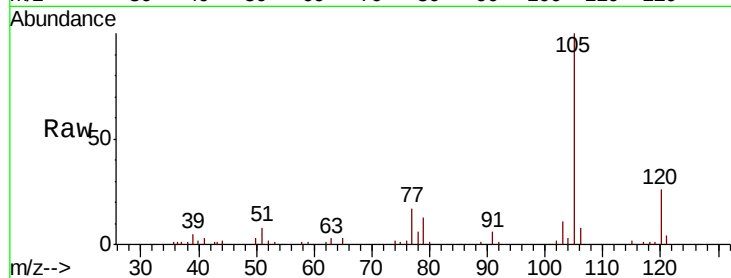




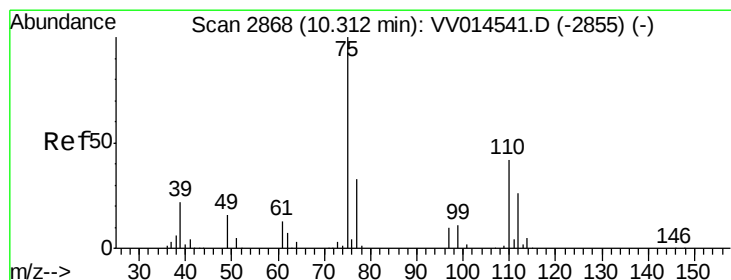
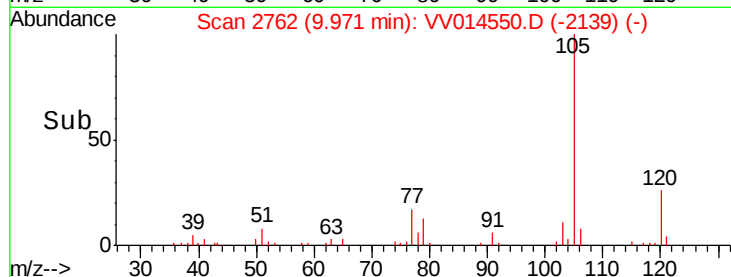
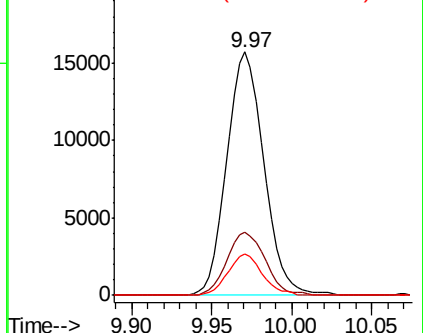
#60
Isopropylbenzene
Concen: 2.427 ug/L
RT: 9.97 min Scan# 2762
Delta R.T. 0.00 min
Lab File: VV014550.D
Acq: 10 Feb 2020 14:33

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.7	21.5	32.3
77	15.7	12.2	18.4

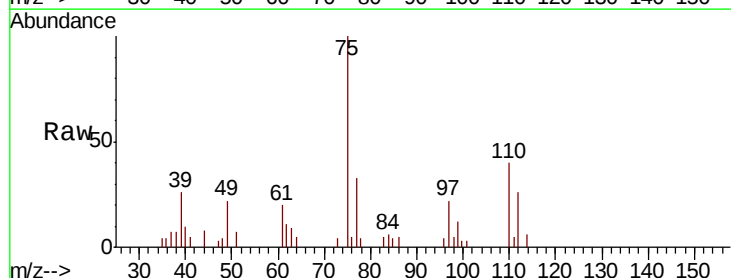


Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V
Ion 77.00 (76.70 to 77.70): V

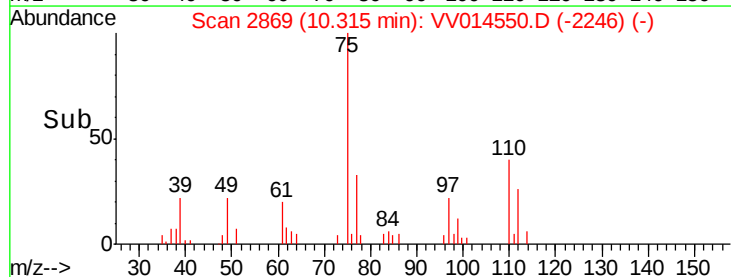
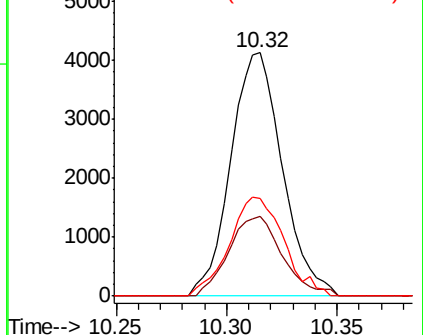


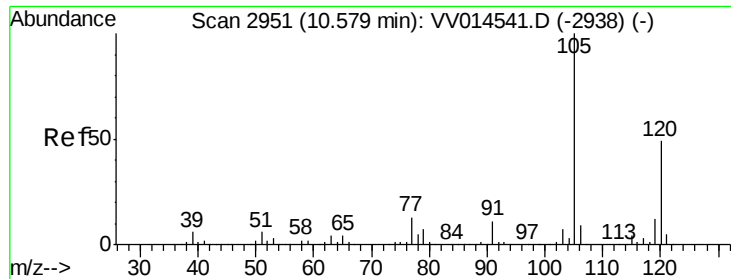
#61
1,2,3-Trichloropropane
Concen: 2.507 ug/L
RT: 10.32 min Scan# 2869
Delta R.T. 0.00 min
Lab File: VV014550.D
Acq: 10 Feb 2020 14:33

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.6	25.8	38.8
110	42.8	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

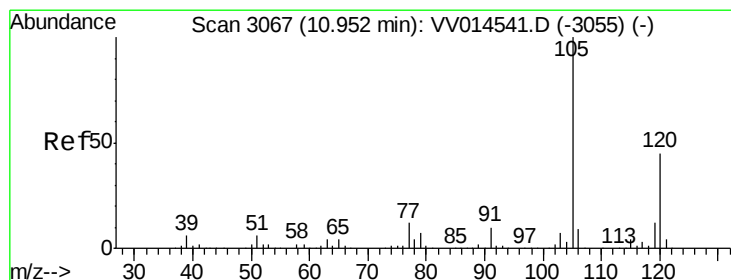
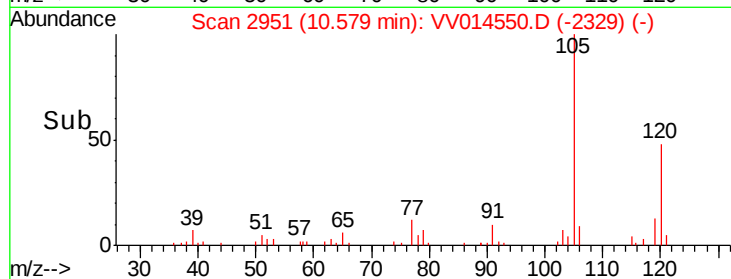
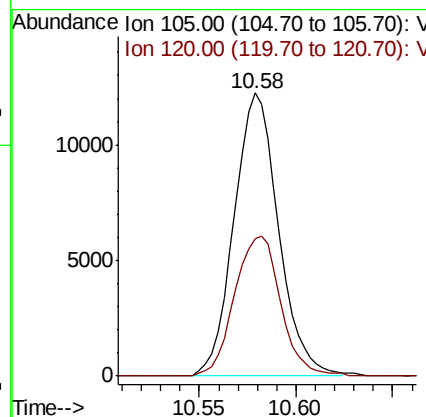
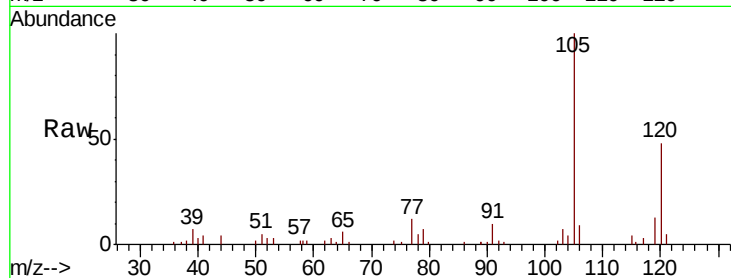




#62
 1,3,5-Trimethylbenzene
 Concen: 2.228 ug/L
 RT: 10.58 min Scan# 2951
 Delta R.T. -0.00 min
 Lab File: VV014550.D
 Acq: 10 Feb 2020 14:33

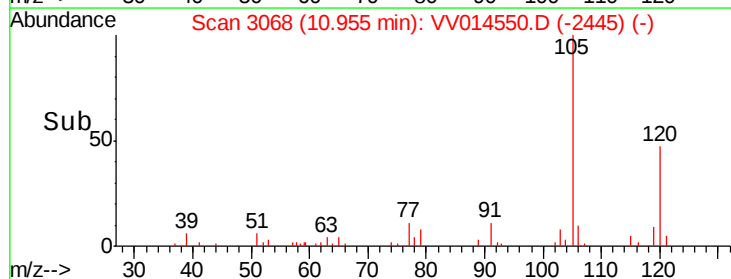
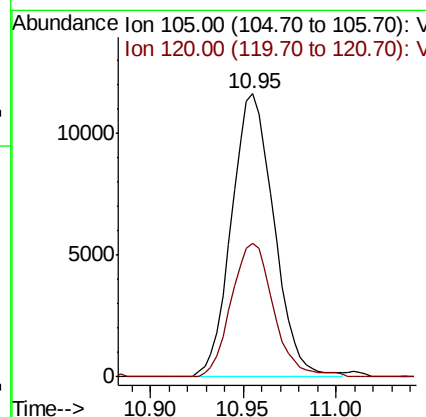
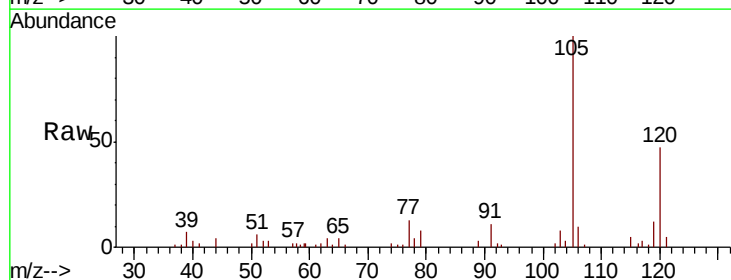
Instrument :
 MSVOA_V
 ClientSampleId :

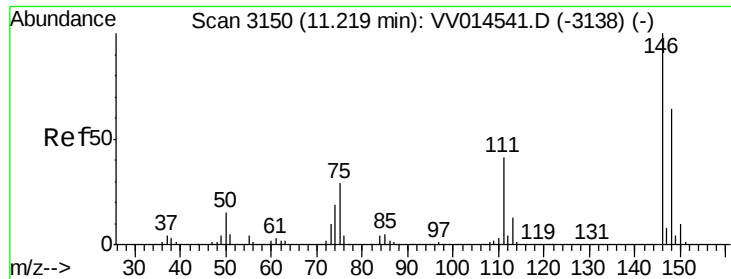
Tot Ion:105 Resp: 19562
 Ion Ratio Lower Upper
 105 100
 120 51.3 39.0 58.6



#63
 1,2,4-Trimethylbenzene
 Concen: 2.136 ug/L
 RT: 10.95 min Scan# 3068
 Delta R.T. 0.00 min
 Lab File: VV014550.D
 Acq: 10 Feb 2020 14:33

Tgt Ion:105 Resp: 18486
 Ion Ratio Lower Upper
 105 100
 120 46.9 36.2 54.4

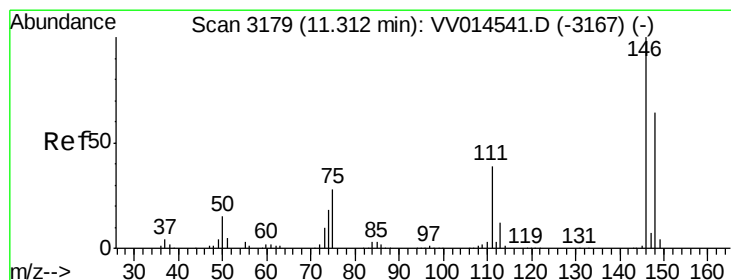
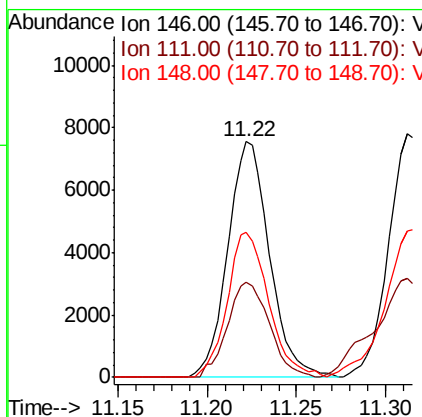
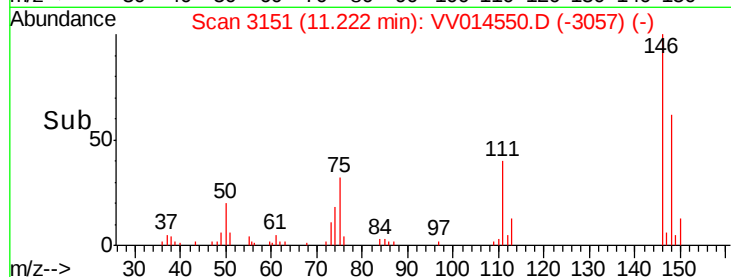
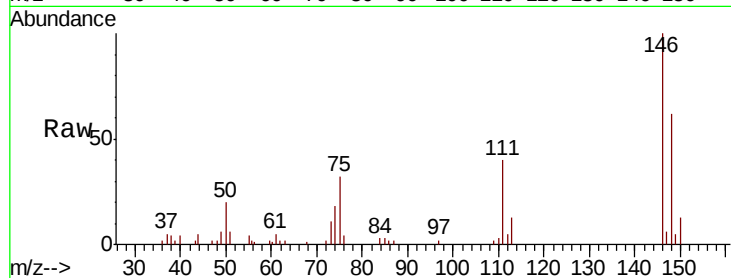




#64
 1,3-Dichlorobenzene
 Concen: 2.535 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. 0.00 min
 Lab File: VV014550.D
 Acq: 10 Feb 2020 14:33

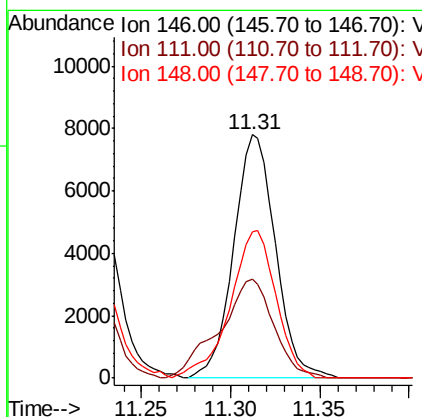
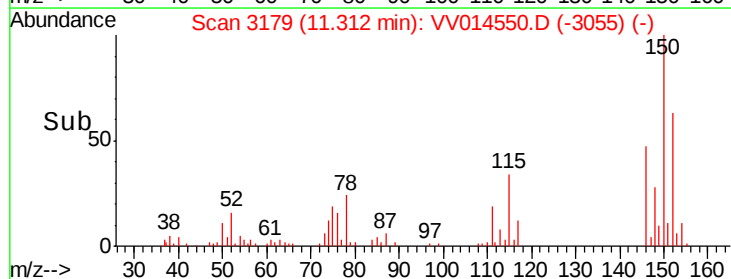
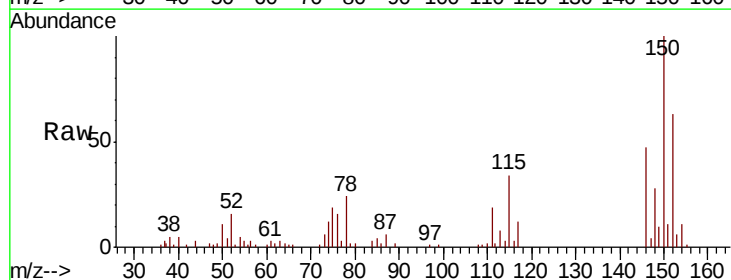
Instrument :
 MSVOA_V
 ClientSampled :

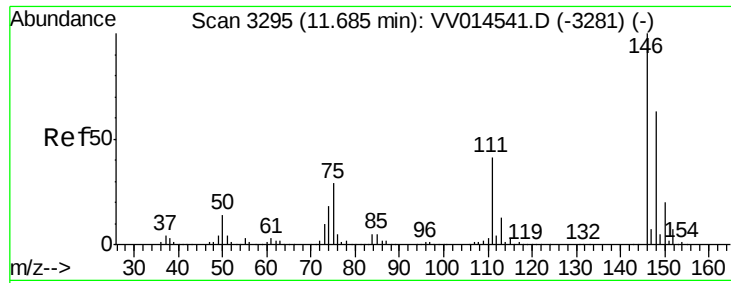
Tot Ion:146 Resp: 12264
 Ion Ratio Lower Upper
 146 100
 111 40.5 28.9 53.7
 148 61.8 44.4 82.5



#65
 1,4-Dichlorobenzene
 Concen: 2.559 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. -0.00 min
 Lab File: VV014550.D
 Acq: 10 Feb 2020 14:33

Tgt Ion:146 Resp: 12741
 Ion Ratio Lower Upper
 146 100
 111 40.5 28.1 52.3
 148 60.3 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 2.630 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. -0.00 min

Lab File: VV014550.D

Acq: 10 Feb 2020 14:33

Instrument :

MSVOA_V

ClientSampled :

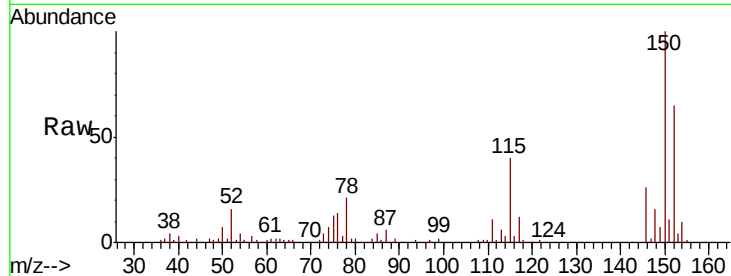
Tot Ion:146 Resp: 12333

Ion Ratio Lower Upper

146 100

111 43.9 34.6 51.8

148 60.8 50.2 75.4

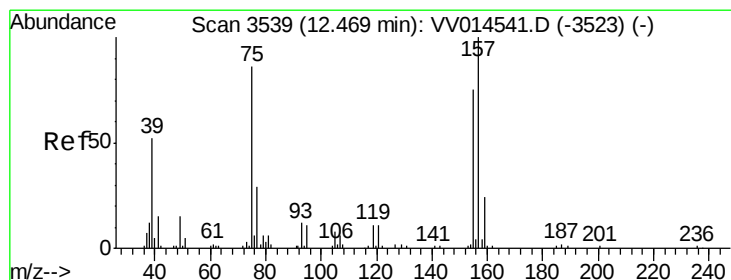
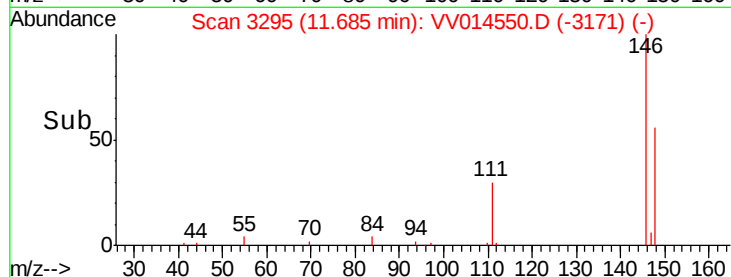
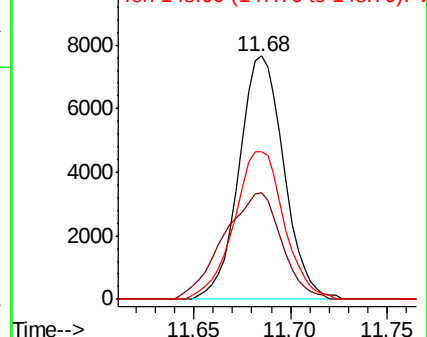


Abundance

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: 2.698 ug/L

RT: 12.47 min Scan# 3540

Delta R.T. 0.00 min

Lab File: VV014550.D

Acq: 10 Feb 2020 14:33

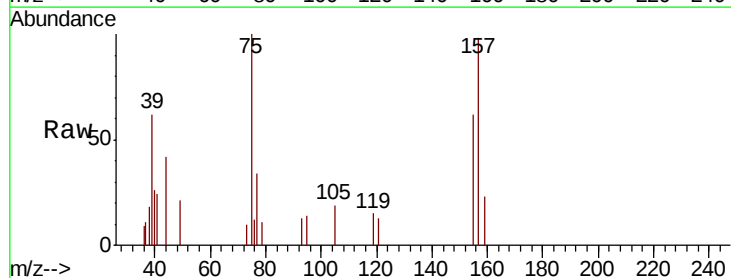
Tgt Ion: 75 Resp: 2029

Ion Ratio Lower Upper

75 100

155 62.3 68.3 102.5#

157 98.3 87.1 130.7

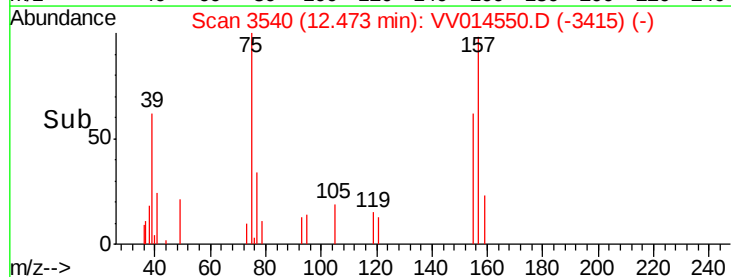
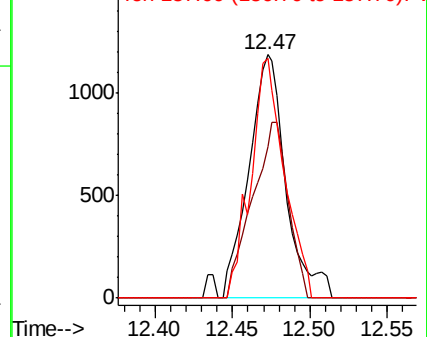


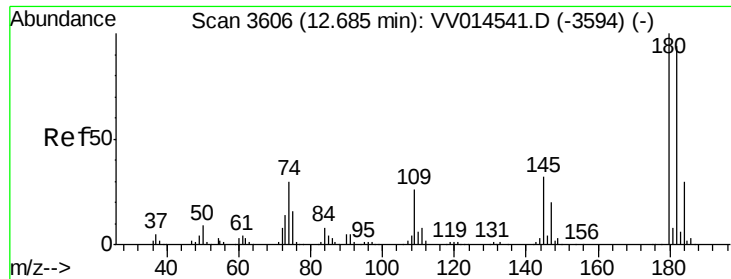
Abundance

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

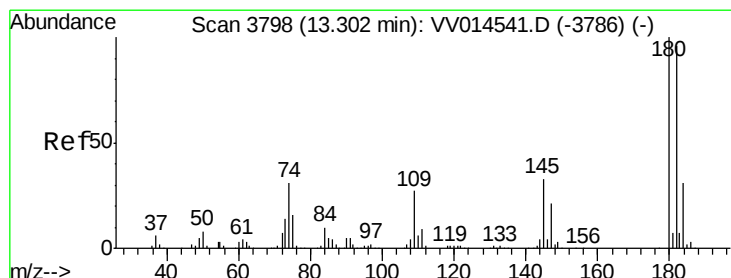
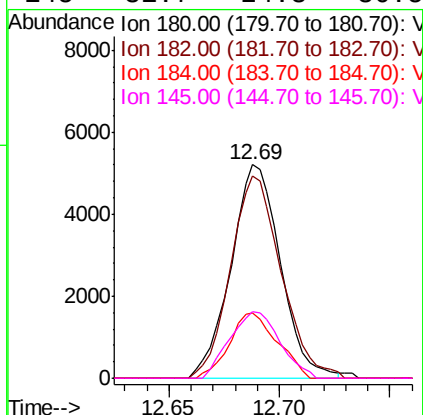
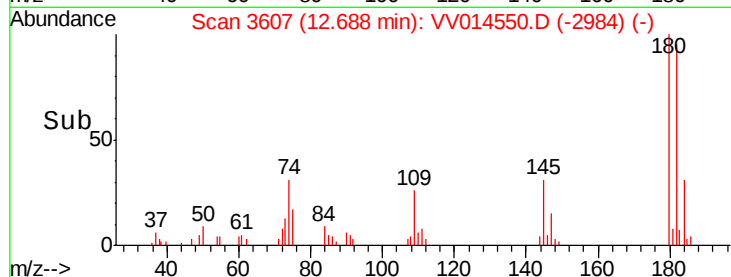
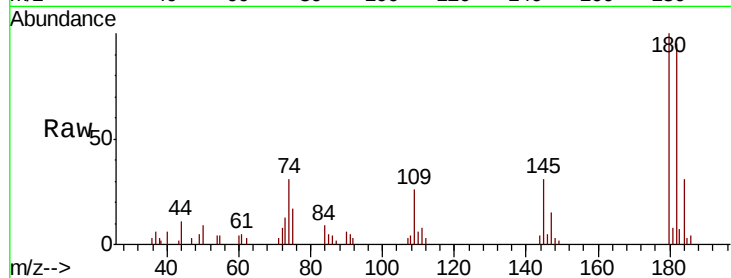




#69
 1,3,5-Trichlorobenzene
 Concen: 2.377 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV014550.D
 Acq: 10 Feb 2020 14:33

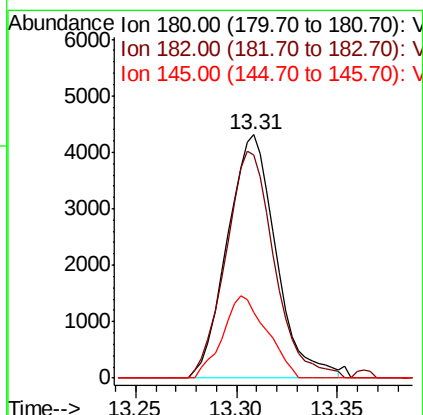
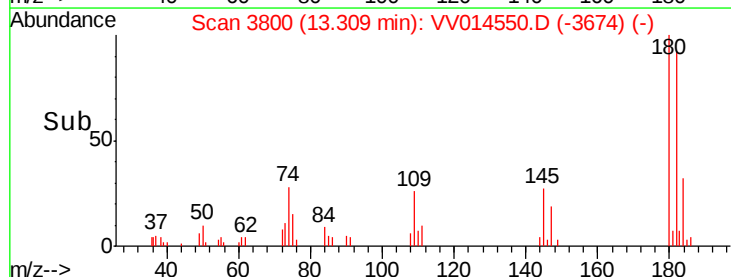
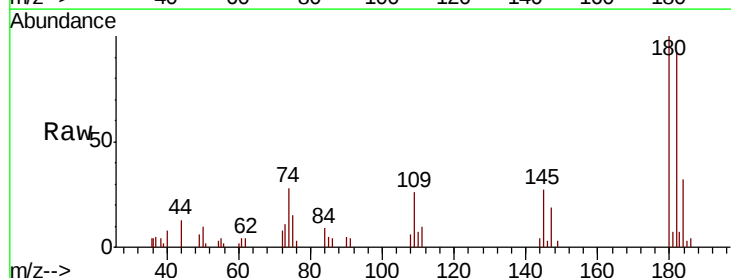
Instrument :
 MSVOA_V
 ClientSampleId :

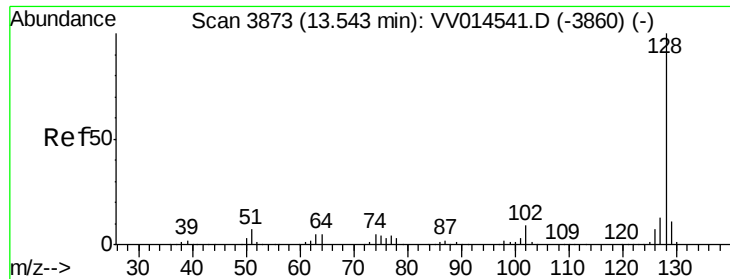
Tot Ion:180	Resp:	8101
Ion Ratio	Lower	Upper
180	100	
182	97.0	75.0 112.4
184	29.5	24.2 36.2
145	31.7	24.3 36.5



#70
 1,2,4-trichlorobenzene
 Concen: 2.328 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.01 min
 Lab File: VV014550.D
 Acq: 10 Feb 2020 14:33

Tgt Ion:180	Resp:	7285
Ion Ratio	Lower	Upper
180	100	
182	92.6	76.0 114.0
145	30.4	25.3 37.9

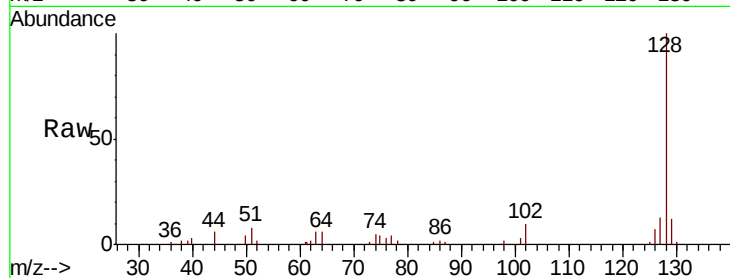




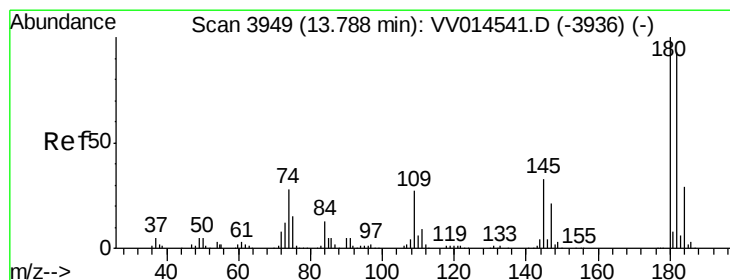
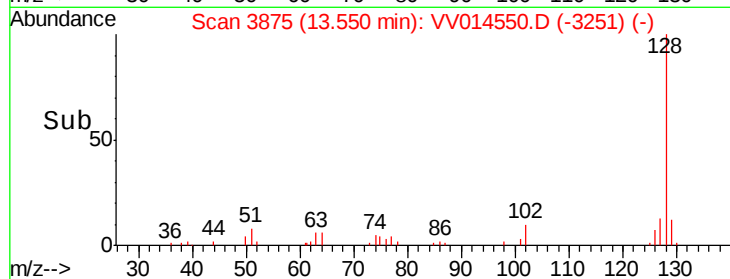
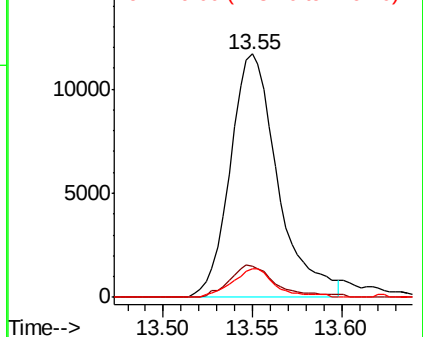
#71
Naphthalene
Concen: 2.114 ug/L
RT: 13.55 min Scan# 3875
Delta R.T. 0.01 min
Lab File: VV014550.D
Acq: 10 Feb 2020 14:33

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:128 Resp: 21724
Ion Ratio Lower Upper
128 100
127 12.6 10.3 15.5
129 10.5 8.7 13.1

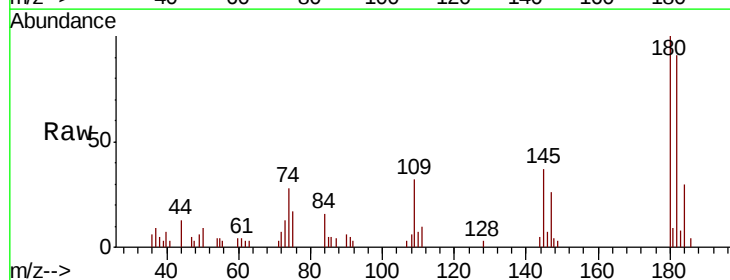


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#72
1,2,3-Trichlorobenzene
Concen: 2.130 ug/L
RT: 13.79 min Scan# 3949
Delta R.T. -0.00 min
Lab File: VV014550.D
Acq: 10 Feb 2020 14:33

Tgt Ion:180 Resp: 6476
Ion Ratio Lower Upper
180 100
182 96.9 75.2 112.8
145 34.9 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

