

Data File : VV014454.D
Acq On : 31 Jan 2020 15:23
Operator : SY/MD
Sample : VSTD10062
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD10062

Quant Time: Feb 01 01:42:09 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM020120WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Feb 01 01:38:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	419403	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	391819	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	189800	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	229885	95.09	ug/L	0.00
7) Chloroethane-d5	1.58	69	144347	62.23	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	307616	62.28	ug/L	0.00
21) 2-Butanone-d5	3.92	46	341327	204.84	ug/L	0.00
24) Chloroform-d	4.40	84	510908	100.48	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	302918	95.20	ug/L	0.00
32) Benzene-d6	5.10	84	1069118	104.81	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.11	67	335551	108.21	ug/L	0.00
41) Toluene-d8	7.36	98	979090	105.23	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	174741	115.22	ug/L	0.00
47) 2-Hexanone-d5	8.13	63	276960	237.58	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.25	84	426923	98.37	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	349899	93.72	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	336038	90.292 ug/L	98
3) Chloromethane	1.26	50	353139	100.637 ug/L	100
5) Vinyl chloride	1.33	62	284105	81.822 ug/L	99
6) Bromomethane	1.53	94	97317	50.247 ug/L	99
8) Chloroethane	1.60	64	122213	56.183 ug/L	99
9) Trichlorofluoromethane	1.77	101	327755	63.552 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	154220	53.663 ug/L	99
12) 1,1-Dichloroethene	2.14	96	149681	53.767 ug/L	96
13) Acetone	2.18	43	203926	89.904 ug/L	100
14) Carbon disulfide	2.32	76	760697	93.796 ug/L	100
15) Methyl Acetate	2.46	43	261158	86.469 ug/L	100
16) Methylene chloride	2.54	84	292408	92.132 ug/L	98
17) trans-1,2-Dichloroethene	2.79	96	271561	91.319 ug/L	99
18) Methyl tert-butyl Ether	2.80	73	842212	97.170 ug/L	100
19) 1,1-Dichloroethane	3.23	63	497425	92.357 ug/L	100
20) cis-1,2-Dichloroethene	3.96	96	308443	95.933 ug/L	97
22) 2-Butanone	4.00	43	401255	172.465 ug/L	99
23) Bromochloromethane	4.30	128	145099	83.455 ug/L	98
25) Chloroform	4.42	83	494509	86.970 ug/L	100
27) 1,2-Dichloroethane	5.18	62	364048	89.234 ug/L	99
29) Cyclohexane	4.73	56	478436	103.330 ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	419863	89.964 ug/L	99
31) Carbon tetrachloride	4.87	117	369370	89.263 ug/L	99
33) Benzene	5.15	78	1142910	97.811 ug/L	100
34) Trichloroethene	5.96	95	287940	92.783 ug/L	98
35) Methylcyclohexane	6.17	83	487776	102.931 ug/L	100
37) 1,2-Dichloropropane	6.22	63	289654	101.715 ug/L	100
38) Bromodichloromethane	6.55	83	384751	95.828 ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	495627	108.698 ug/L	99
40) 4-Methyl-2-pentanone	7.26	43	720996	196.244 ug/L	99

Data File : VV014454.D
Acq On : 31 Jan 2020 15:23
Operator : SY/MD
Sample : VSTD10062
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD10062

Quant Time: Feb 01 01:42:09 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM020120WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Feb 01 01:38:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	1202990	99.492	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	427092	104.403	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	271032	96.577	ug/L	99
46) Tetrachloroethene	8.02	164	208036	77.107	ug/L	99
48) 2-Hexanone	8.18	43	558321	188.304	ug/L	98
49) Dibromochloromethane	8.29	129	303455	89.897	ug/L	96
50) 1,2-Dibromoethane	8.39	107	289856	94.430	ug/L	100
51) Chlorobenzene	8.92	112	759395	91.911	ug/L	100
52) Ethylbenzene	9.05	91	1336328	99.924	ug/L	100
53) m,p-Xylene	9.18	106	504480	98.340	ug/L	99
54) o-xylene	9.58	106	491574	98.990	ug/L	100
55) Styrene	9.60	104	846772	99.611	ug/L	100
56) Isopropylbenzene	9.97	105	1268874	96.948	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	433120	96.216	ug/L	99
59) 1,2,3-Trichloropropane	10.31	75	333283	89.387	ug/L	99
61) Bromoform	9.77	173	202256	88.363	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	573143	92.074	ug/L	100
63) 1,4-Dichlorobenzene	11.31	146	578575	89.977	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	554674	89.161	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	90066	101.402	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	390044	79.160	ug/L	99
68) 1,2,4-trichlorobenzene	13.30	180	361075	80.462	ug/L	99
69) Naphthalene	13.54	128	1195352	98.584	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	347002	75.526	ug/L	99

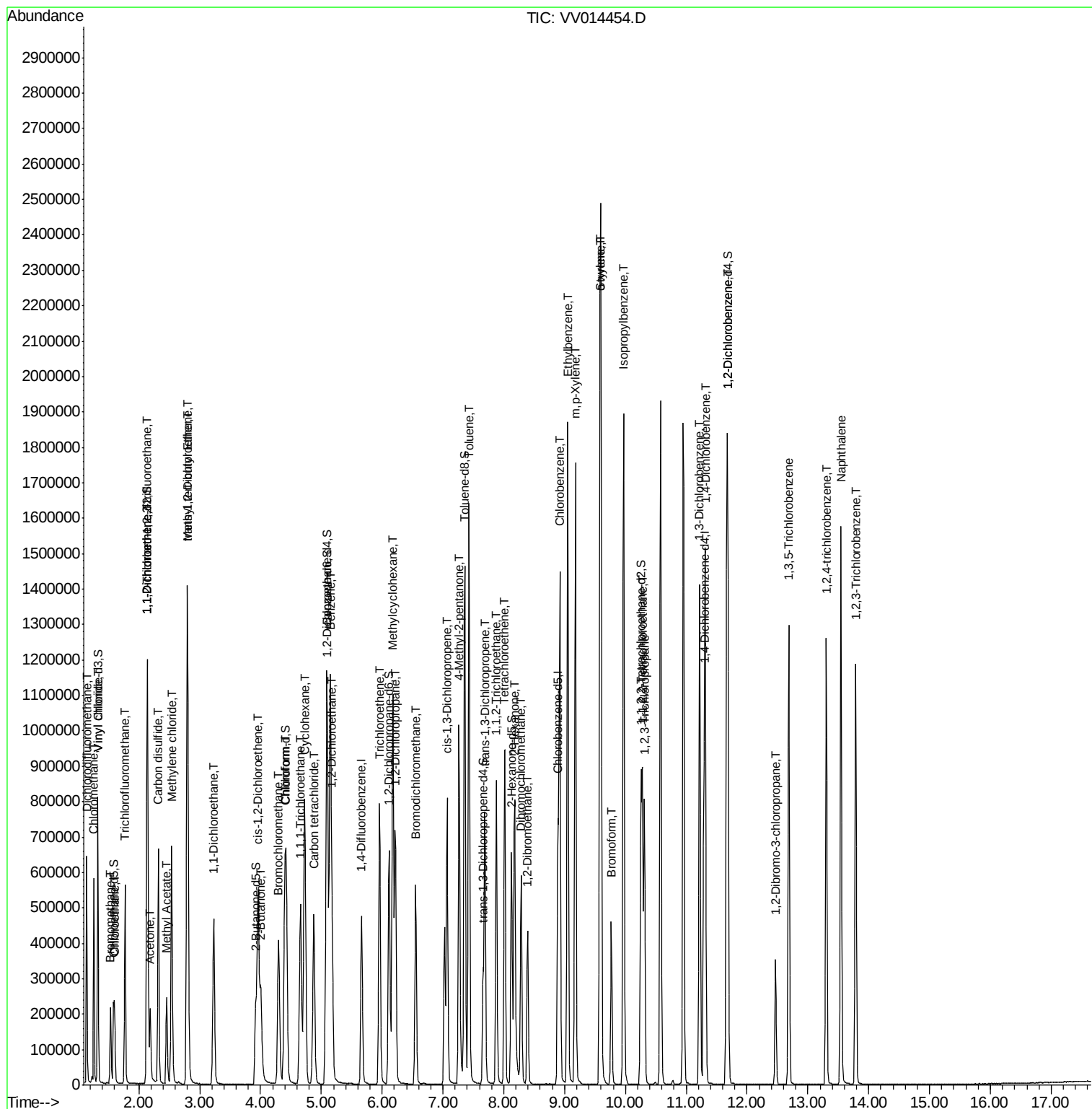
(#) = qualifier out of range (m) = manual integration (+) = signals summed

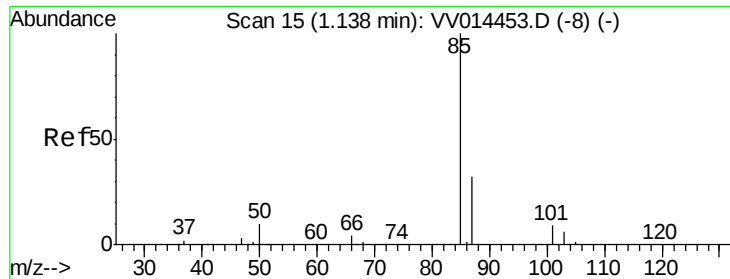
Data File : VV014454.D

```
Acq On       : 31 Jan 2020   15:23
Operator    : SY/MD
Sample      : VSTD10062
Misc        : 5.0mL/MSV0A_V/WATER
ALS Vial     : 5      Sample Multiplier: 1
```

Instrument :
MSVOA_V
ClientSampleId :
VSTD10062

Quant Time: Feb 01 01:42:09 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM020120WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Feb 01 01:38:53 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 90.292 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV014454.D

Acq: 31 Jan 2020 15:23

Instrument :

MSVOA_V

ClientSampleId :

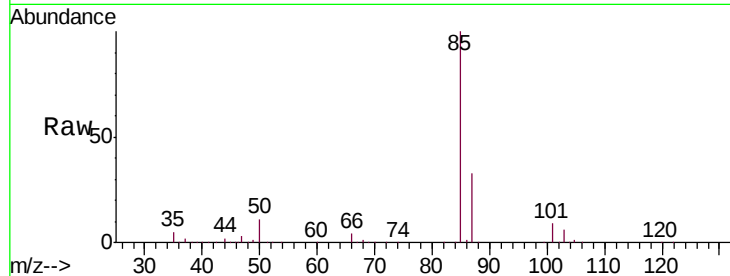
VSTD10062

Tgt Ion: 85 Resp: 336038

Ion Ratio Lower Upper

85 100

87 32.9 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV014453.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV014454.D (-1) (-)

1.14

400000

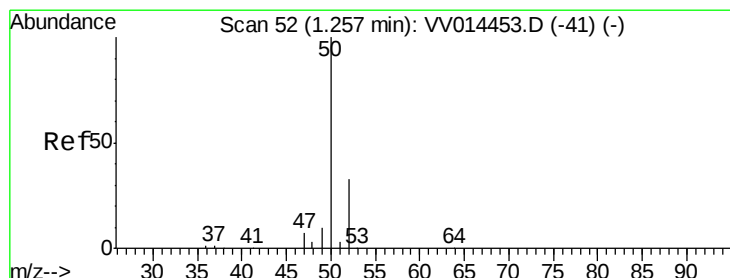
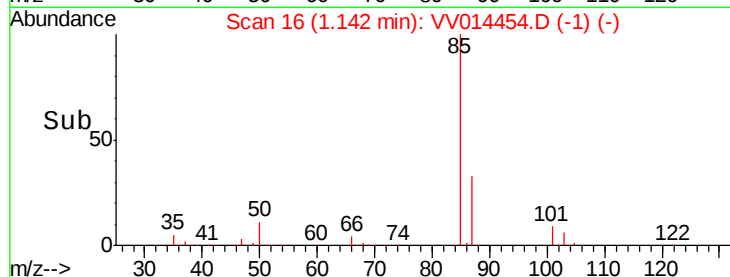
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 100.637 ug/L

RT: 1.26 min Scan# 52

Delta R.T. 0.00 min

Lab File: VV014454.D

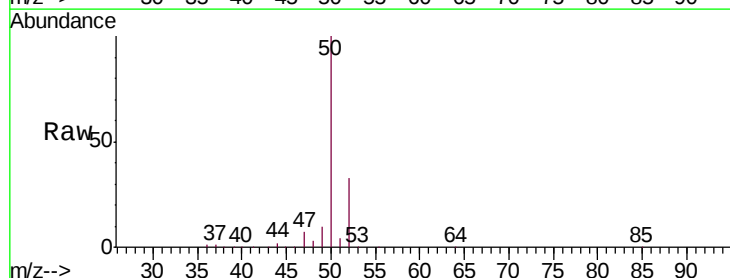
Acq: 31 Jan 2020 15:23

Tgt Ion: 50 Resp: 353139

Ion Ratio Lower Upper

50 100

52 32.6 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VV014453.D (-41) (-)

Ion 52.00 (51.70 to 52.70): VV014454.D (-1) (-)

1.26

400000

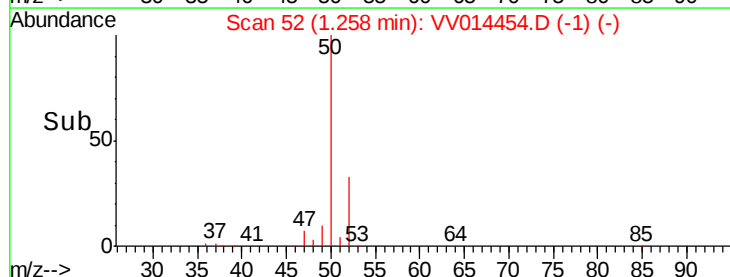
300000

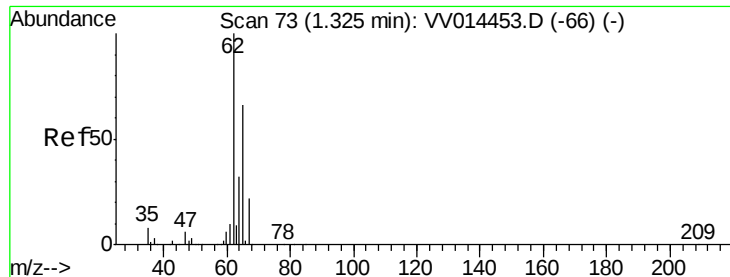
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 81.822 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VV014454.D

Acq: 31 Jan 2020 15:23

Instrument :

MSVOA_V

ClientSampleId :

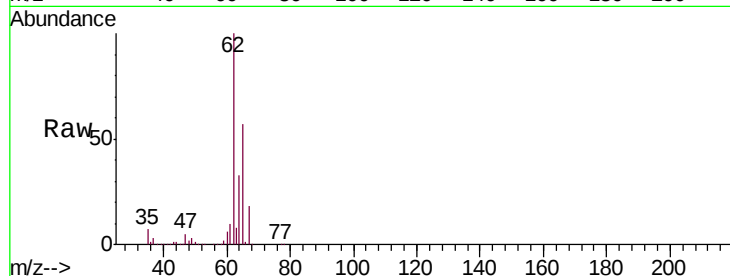
VSTD10062

Tgt Ion: 62 Resp: 284105

Ion Ratio Lower Upper

62 100

64 32.9 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.33

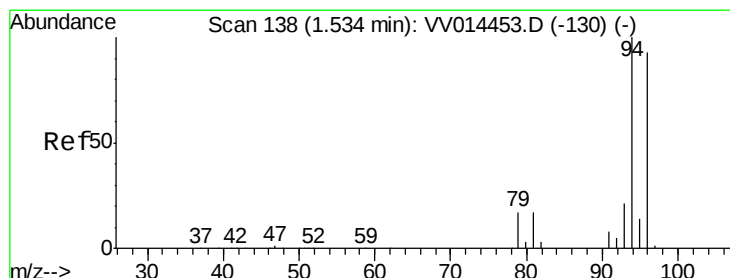
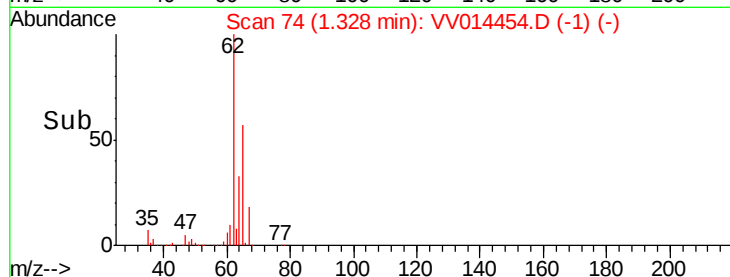
300000

200000

100000

0

Time--> 1.25 1.30 1.35 1.40



#6

Bromomethane

Concen: 50.247 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV014454.D

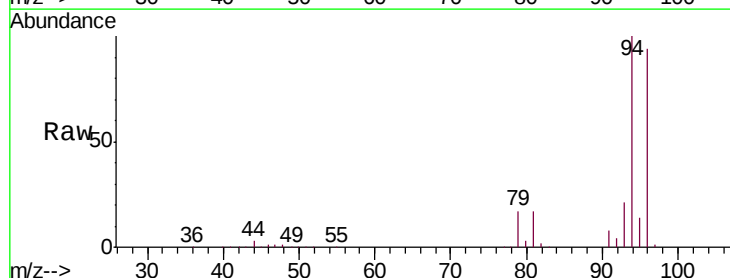
Acq: 31 Jan 2020 15:23

Tgt Ion: 94 Resp: 97317

Ion Ratio Lower Upper

94 100

96 94.0 65.0 120.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

80000

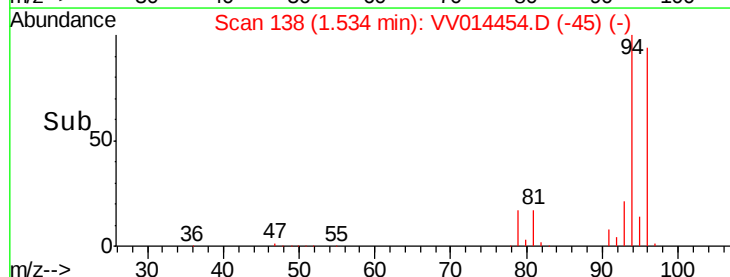
60000

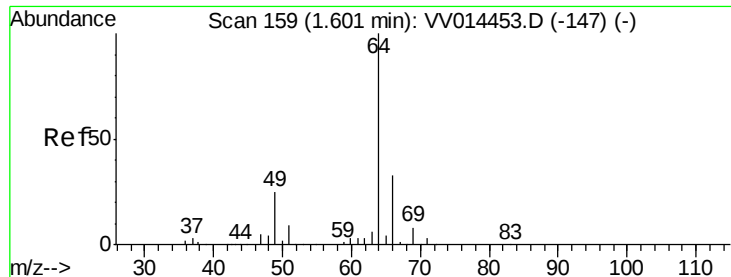
40000

20000

0

Time--> 1.45 1.50 1.55 1.60 1.65





#8

Chloroethane

Concen: 56.183 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV014454.D

Acq: 31 Jan 2020 15:23

Instrument :

MSVOA_V

ClientSampled :

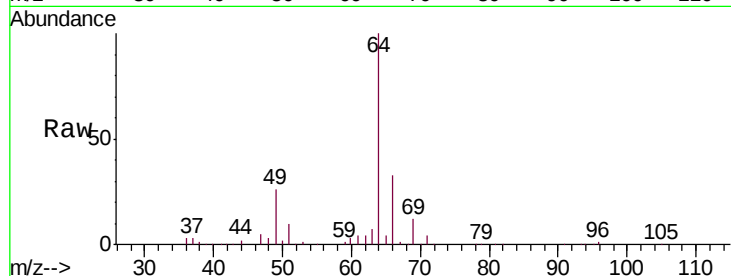
VSTD10062

Tgt Ion: 64 Resp: 122213

Ion Ratio Lower Upper

64 100

66 33.4 23.0 42.8



Abundance Ion 64.00 (63.70 to 64.70): VV014453.D (-147) (-)

Ion 66.00 (65.70 to 66.70): VV014453.D (-147) (-)

1.60

100000

80000

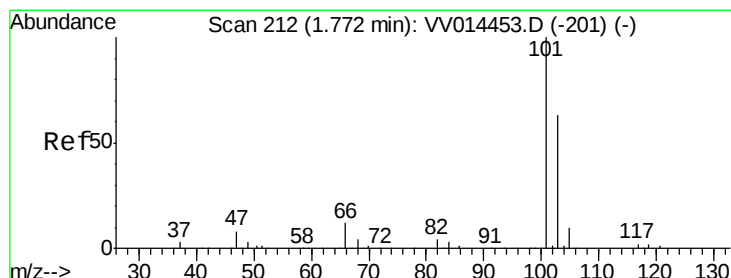
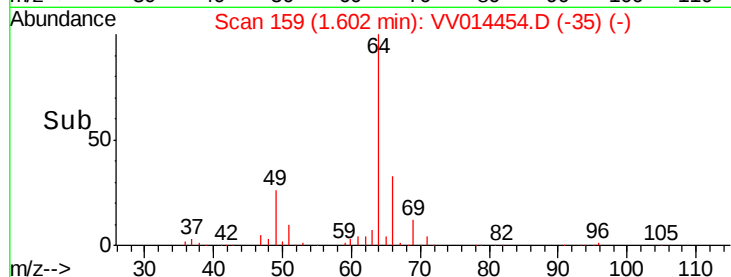
60000

40000

20000

0

Time-->



#9

Trichlorofluoromethane

Concen: 63.552 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV014454.D

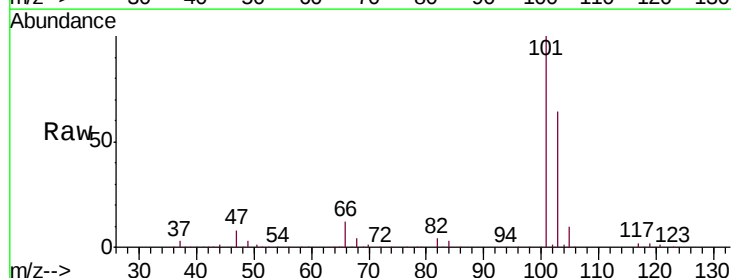
Acq: 31 Jan 2020 15:23

Tgt Ion: 101 Resp: 327755

Ion Ratio Lower Upper

101 100

103 64.9 50.6 75.8



Abundance Ion 101.00 (100.70 to 101.70): VV014453.D (-201) (-)

Ion 103.00 (102.70 to 103.70): VV014453.D (-201) (-)

1.77

300000

250000

200000

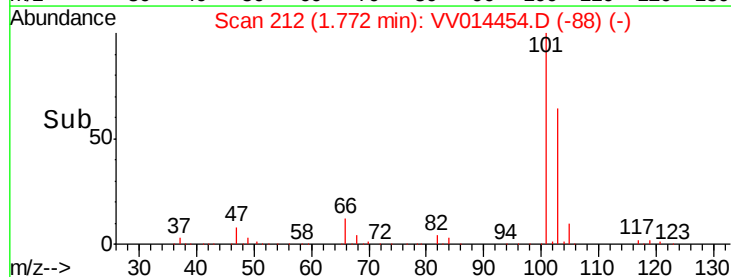
150000

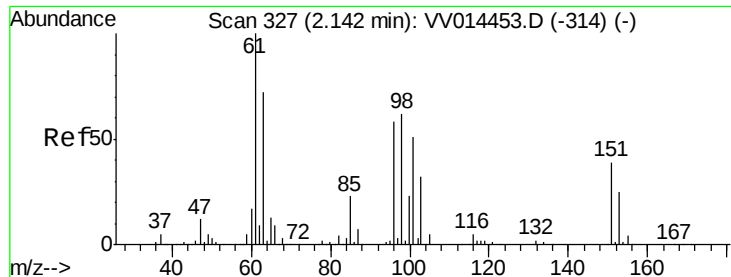
100000

50000

0

Time-->





#10

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

Concen: 53.663 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV014454.D

Acq: 31 Jan 2020 15:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD10062

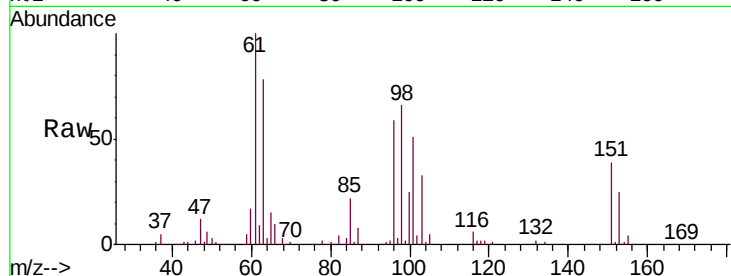
Tgt Ion: 101 Resp: 154220

Ion Ratio Lower Upper

101 100

85 43.5 34.6 51.8

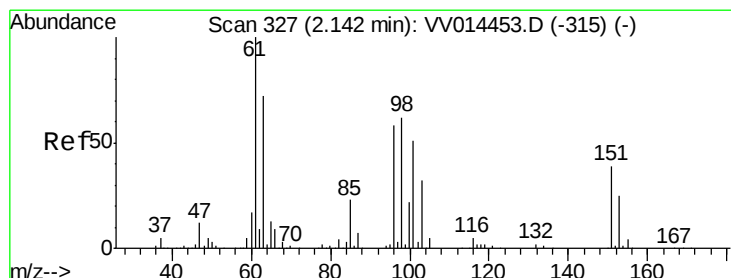
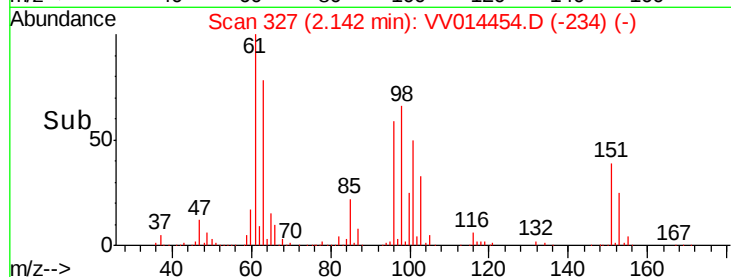
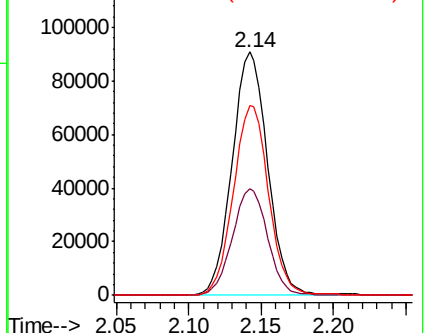
151 77.1 61.2 91.8



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: 53.767 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV014454.D

Acq: 31 Jan 2020 15:23

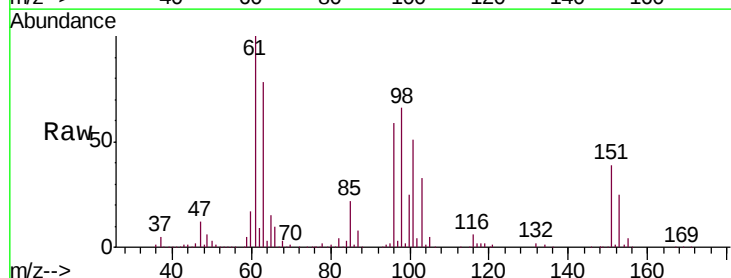
Tgt Ion: 96 Resp: 149681

Ion Ratio Lower Upper

96 100

61 170.3 120.5 223.7

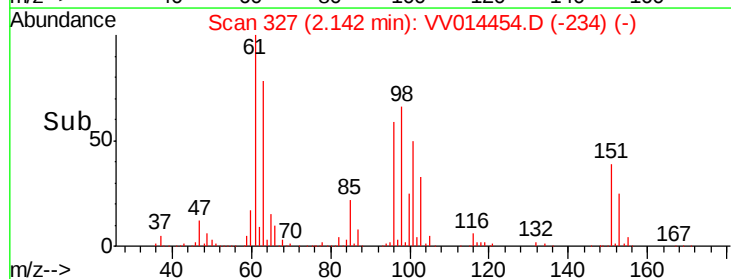
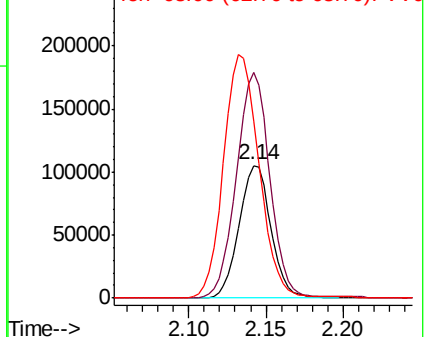
63 133.4 87.1 161.7

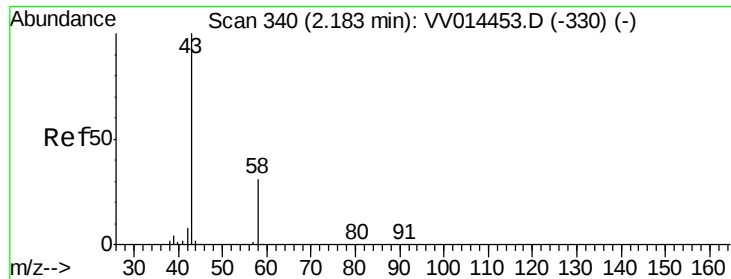


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 89.904 ug/L

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VV014454.D

Acq: 31 Jan 2020 15:23

Instrument :

MSVOA_V

ClientSampled :

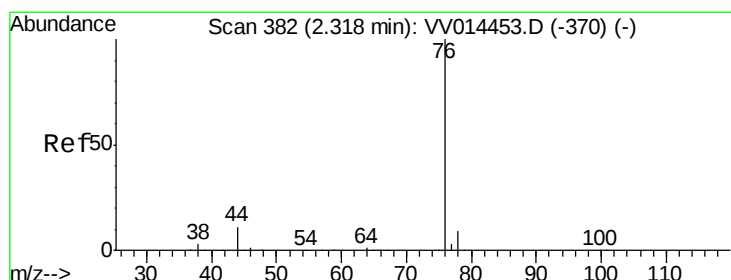
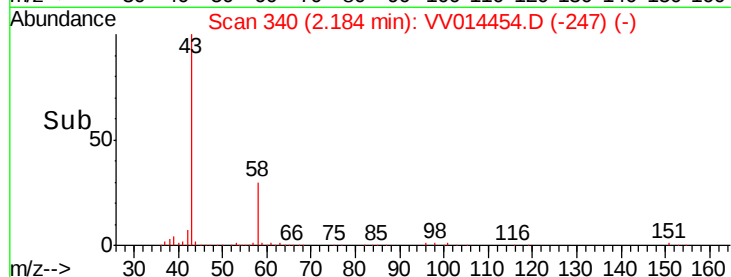
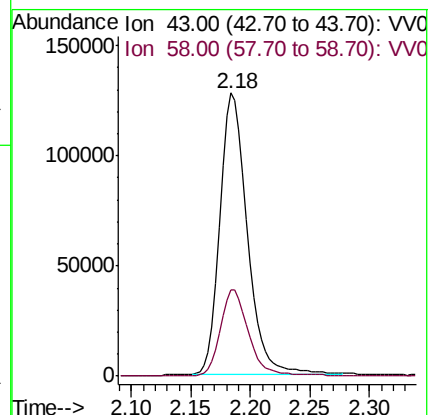
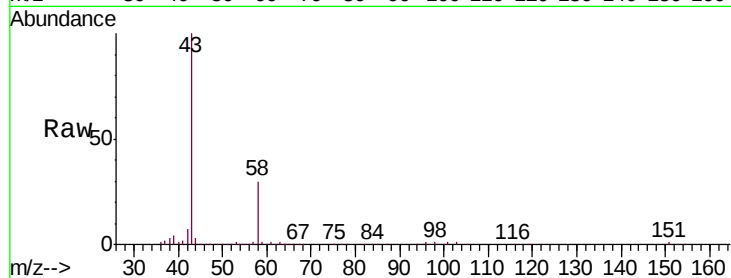
VSTD10062

Tgt Ion: 43 Resp: 203926

Ion Ratio Lower Upper

43 100

58 30.8 0.0 61.2



#14

Carbon disulfide

Concen: 93.796 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV014454.D

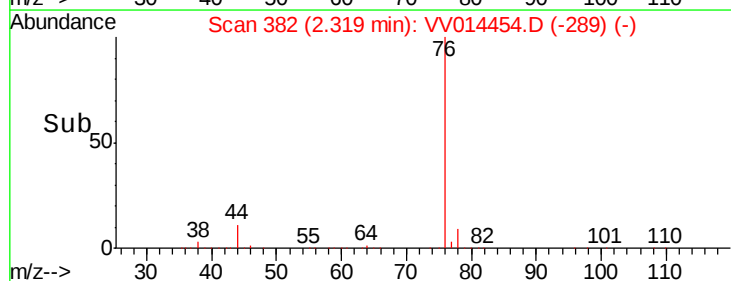
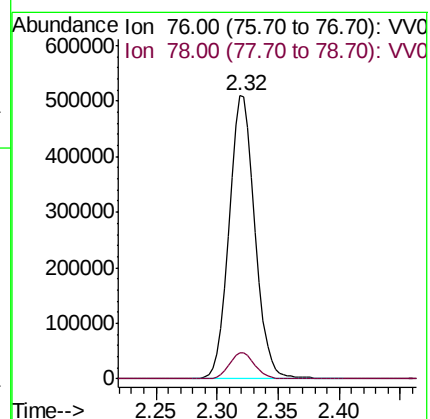
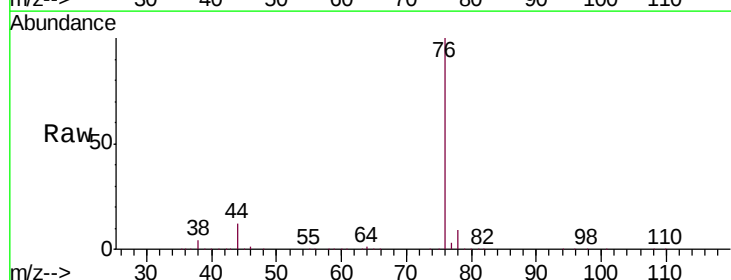
Acq: 31 Jan 2020 15:23

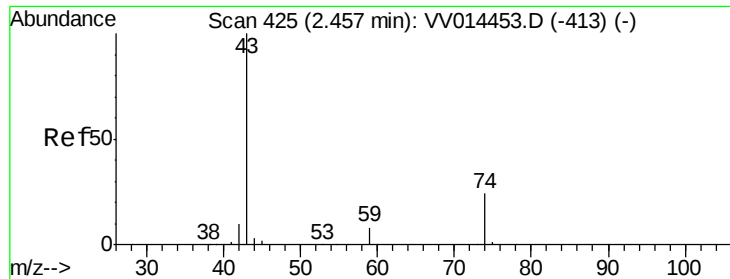
Tgt Ion: 76 Resp: 760697

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8

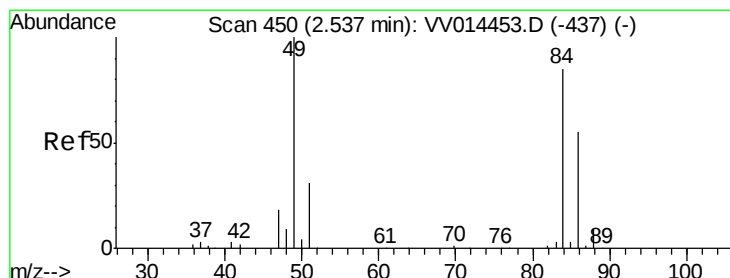
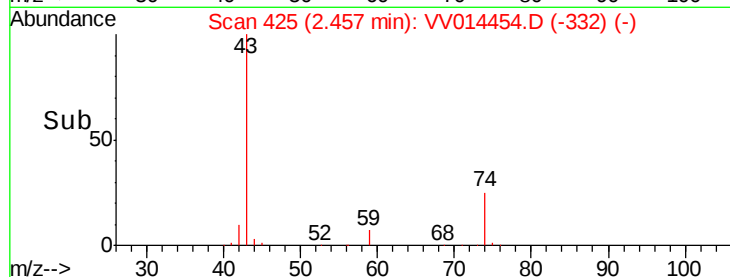
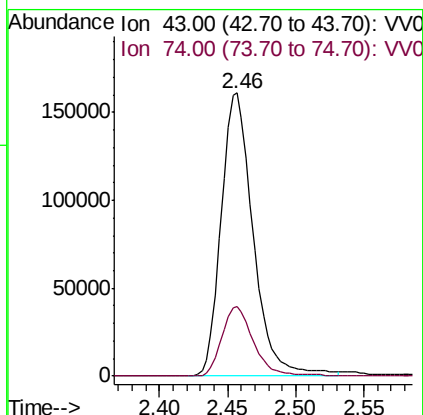
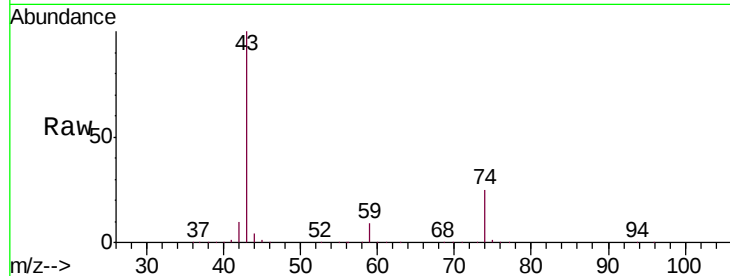




#15
Methyl Acetate
Concen: 86.469 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.00 min
Lab File: VV014454.D
Acq: 31 Jan 2020 15:23

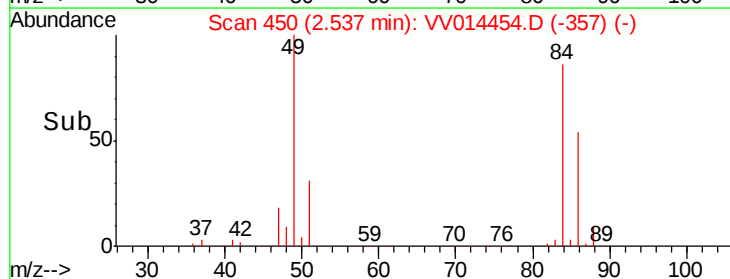
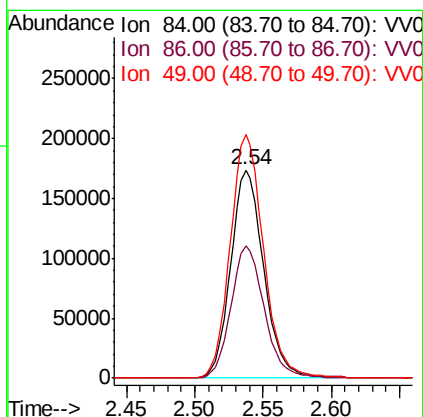
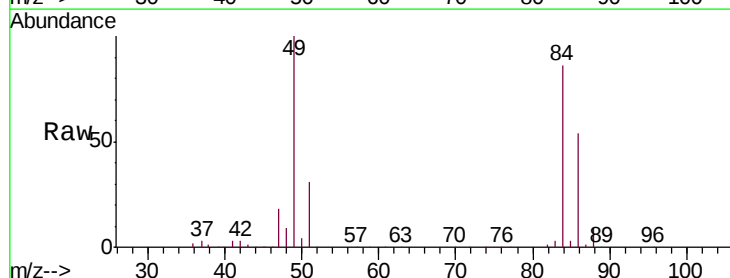
Instrument :
MSVOA_V
ClientSampleId :
VSTD10062

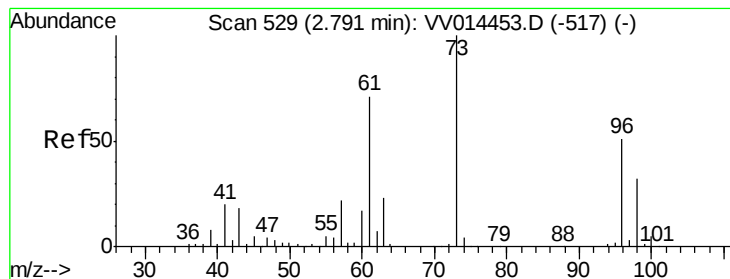
Tgt Ion: 43 Resp: 261158
Ion Ratio Lower Upper
43 100
74 24.6 19.6 29.4



#16
Methylene chloride
Concen: 92.132 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV014454.D
Acq: 31 Jan 2020 15:23

Tgt Ion: 84 Resp: 292408
Ion Ratio Lower Upper
84 100
86 63.2 45.6 84.8
49 116.9 82.7 153.7





#17

trans-1,2-Dichloroethene

Concen: 91.319 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV014454.D

Acq: 31 Jan 2020 15:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD10062

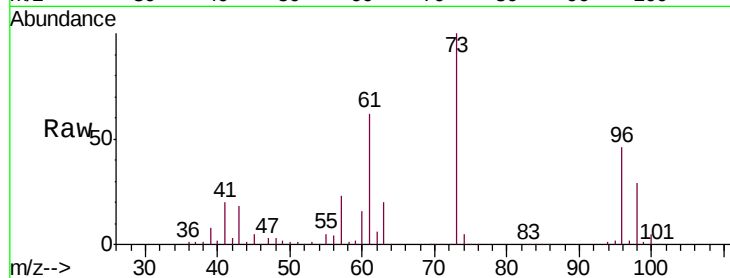
Tgt Ion: 96 Resp: 271561

Ion Ratio Lower Upper

96 100

61 136.2 96.7 179.7

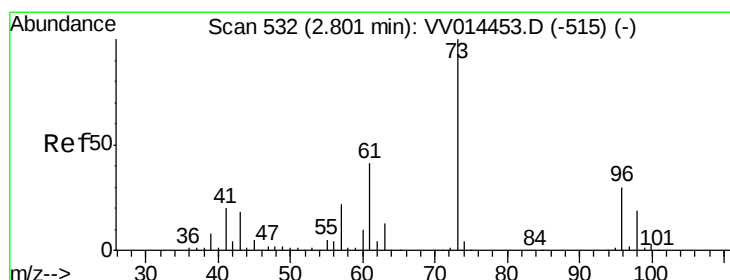
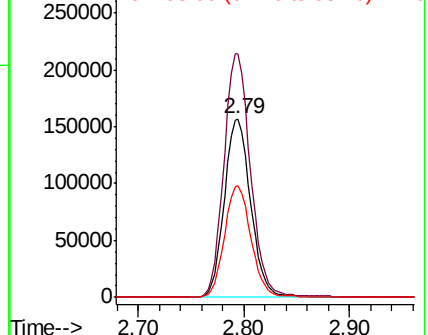
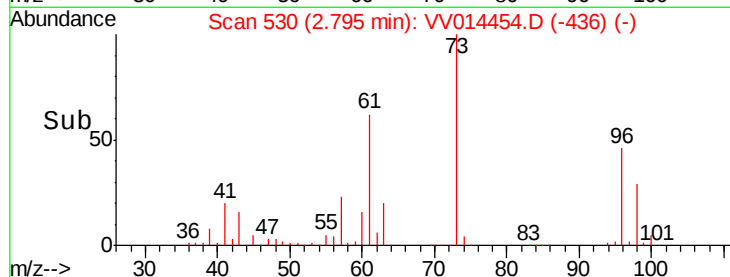
98 62.7 44.1 81.9



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: 97.170 ug/L

RT: 2.80 min Scan# 532

Delta R.T. 0.00 min

Lab File: VV014454.D

Acq: 31 Jan 2020 15:23

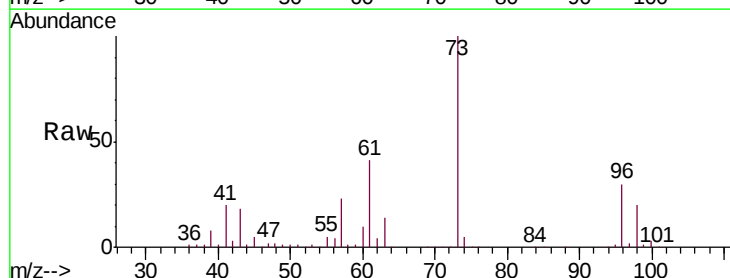
Tgt Ion: 73 Resp: 842212

Ion Ratio Lower Upper

73 100

43 17.7 14.1 21.1

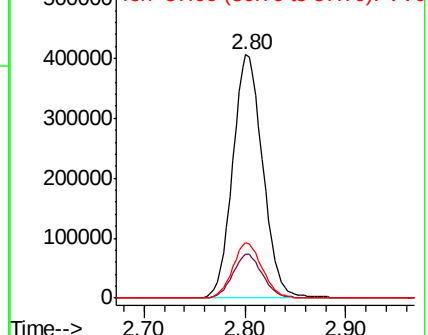
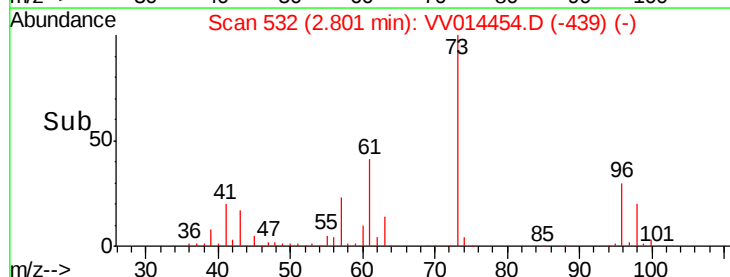
57 22.4 17.9 26.9

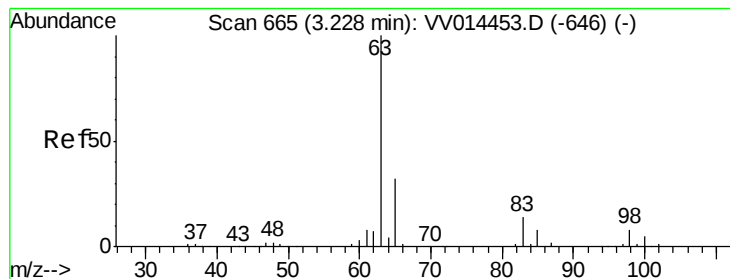


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 92.357 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV014454.D

Acq: 31 Jan 2020 15:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD10062

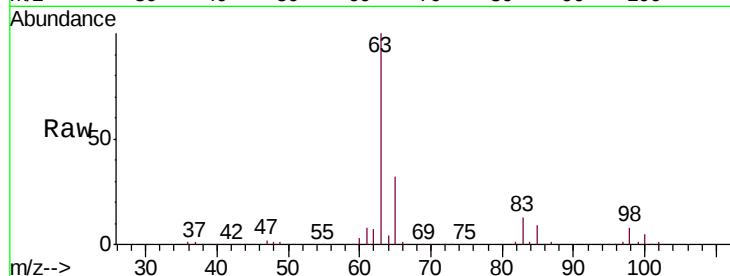
Tgt Ion: 63 Resp: 497425

Ion Ratio Lower Upper

63 100

65 31.8 22.1 41.1

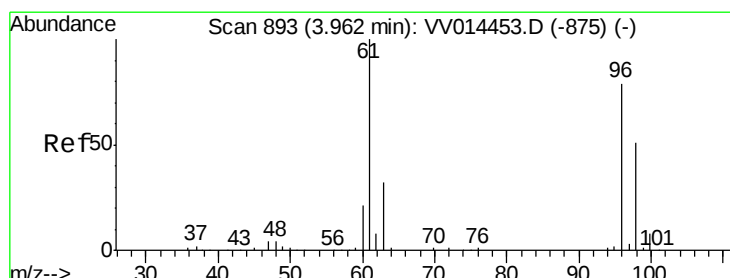
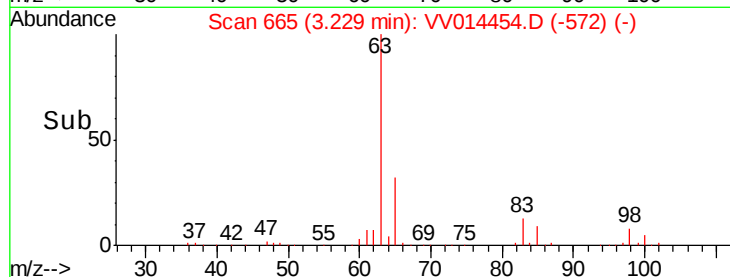
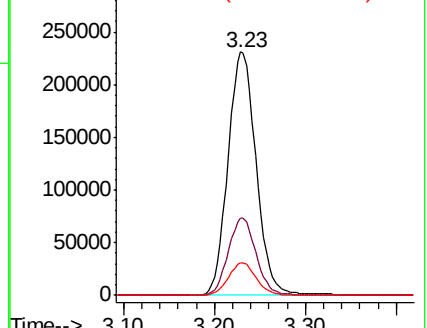
83 13.4 9.4 17.6



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: 95.933 ug/L

RT: 3.96 min Scan# 893

Delta R.T. 0.00 min

Lab File: VV014454.D

Acq: 31 Jan 2020 15:23

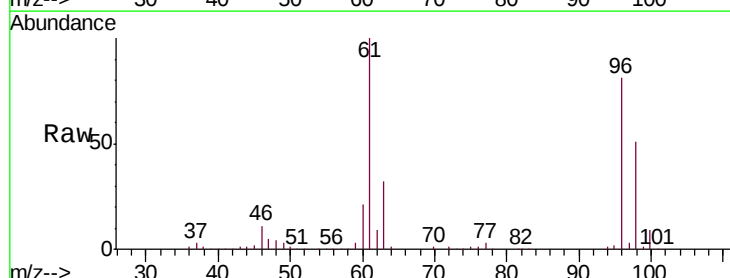
Tgt Ion: 96 Resp: 308443

Ion Ratio Lower Upper

96 100

61 124.1 88.9 165.1

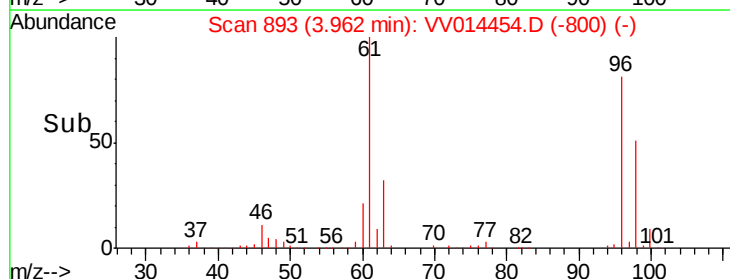
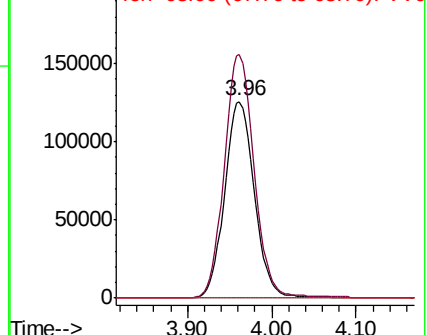
68 0.0 0.0 0.0

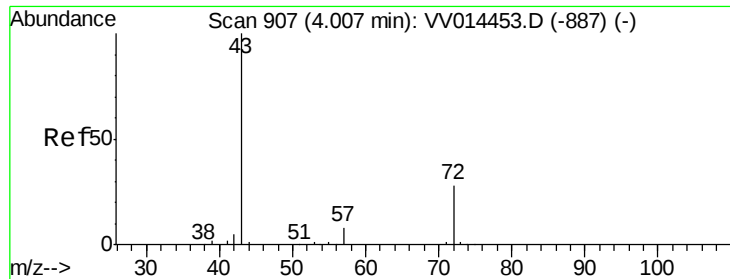


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 172.465 ug/L

RT: 4.00 min Scan# 906

Delta R.T. -0.00 min

Lab File: VV014454.D

Acq: 31 Jan 2020 15:23

Instrument :

MSVOA_V

ClientSampleId :

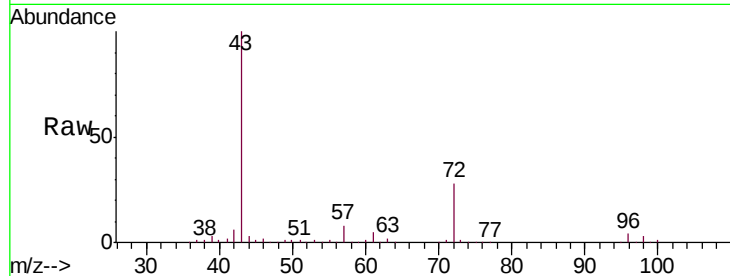
VSTD10062

Tgt Ion: 43 Resp: 401255

Ion Ratio Lower Upper

43 100

72 28.1 13.8 41.3



Abundance Ion 43.00 (42.70 to 43.70): VV014453.D (-887) (-)

Ion 72.00 (71.70 to 72.70): VV014453.D (-887) (-)

4.00

150000

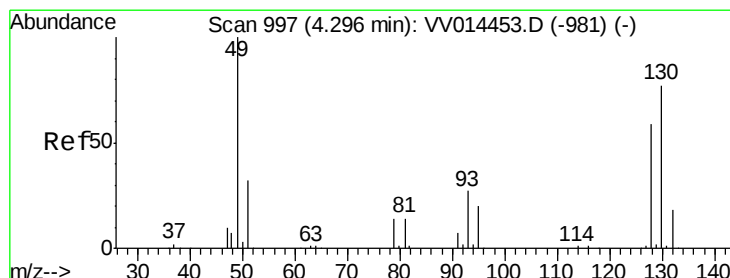
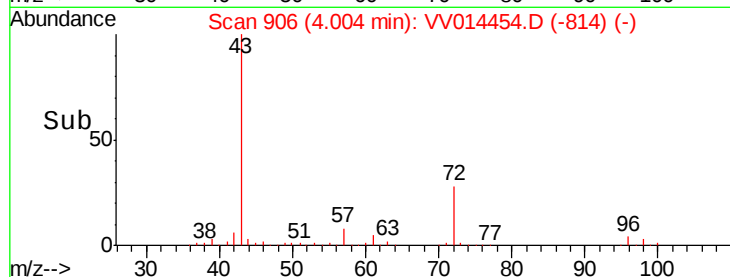
100000

50000

0

3.90 4.00 4.10

Time-->



#23

Bromochloromethane

Concen: 83.455 ug/L

RT: 4.30 min Scan# 997

Delta R.T. 0.00 min

Lab File: VV014454.D

Acq: 31 Jan 2020 15:23

Tgt Ion: 128 Resp: 145099

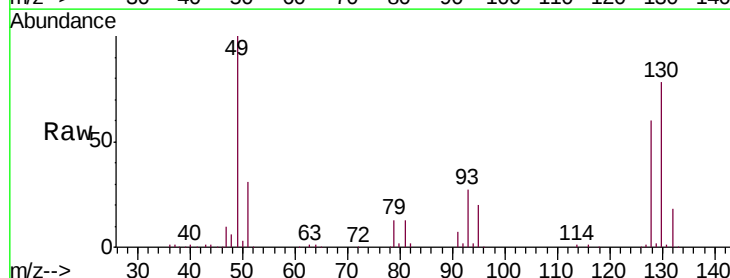
Ion Ratio Lower Upper

128 100

49 165.5 118.8 220.6

130 128.4 90.7 168.5

51 51.3 42.8 64.2



Abundance Ion 128.00 (127.70 to 128.70): VV014453.D (-981) (-)

Ion 49.00 (48.70 to 49.70): VV014453.D (-981) (-)

Ion 130.00 (129.70 to 130.70): VV014453.D (-981) (-)

Ion 51.00 (50.70 to 51.70): VV014453.D (-981) (-)

150000

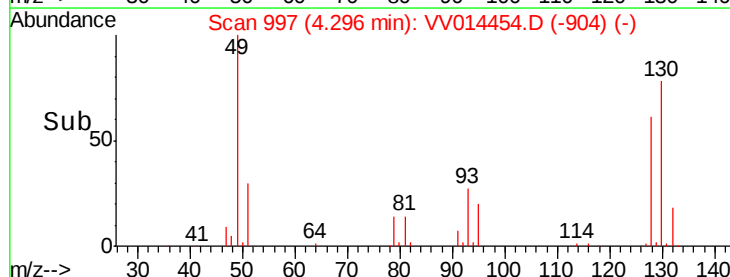
100000

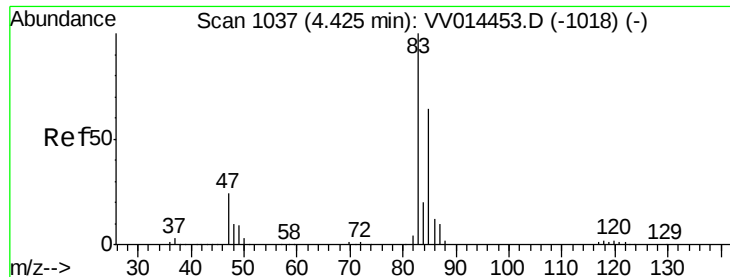
50000

0

4.20 4.25 4.30 4.35 4.40

Time-->





#25

Chloroform

Concen: 86.970 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VV014454.D

Acq: 31 Jan 2020 15:23

Instrument :

MSVOA_V

ClientSampleId :

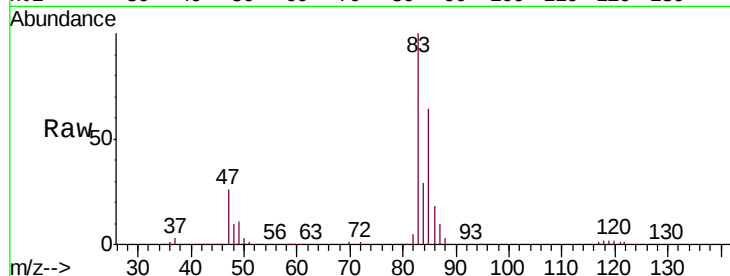
VSTD10062

Tgt Ion: 83 Resp: 494509

Ion Ratio Lower Upper

83 100

85 64.4 45.1 83.7



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

4.42

200000

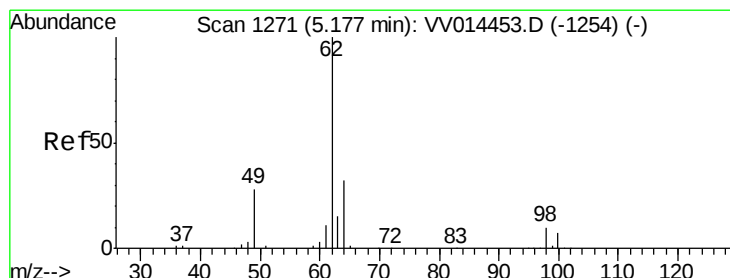
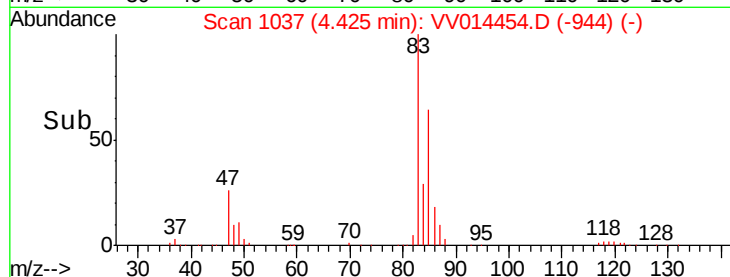
150000

100000

50000

0

Time-->



#27

1,2-Dichloroethane

Concen: 89.234 ug/L

RT: 5.18 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VV014454.D

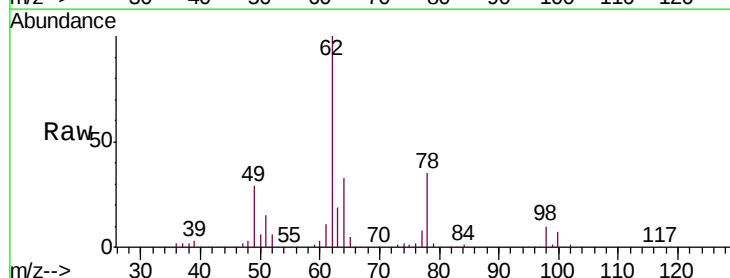
Acq: 31 Jan 2020 15:23

Tgt Ion: 62 Resp: 364048

Ion Ratio Lower Upper

62 100

98 10.4 8.0 12.0



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

5.18

200000

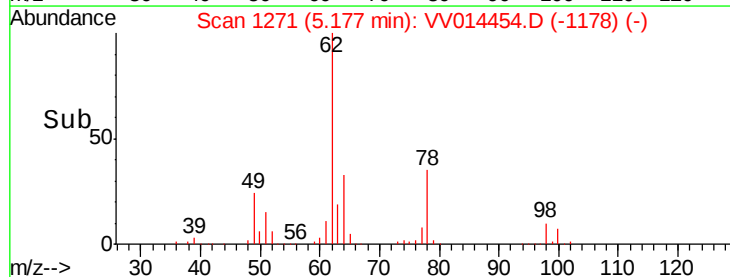
150000

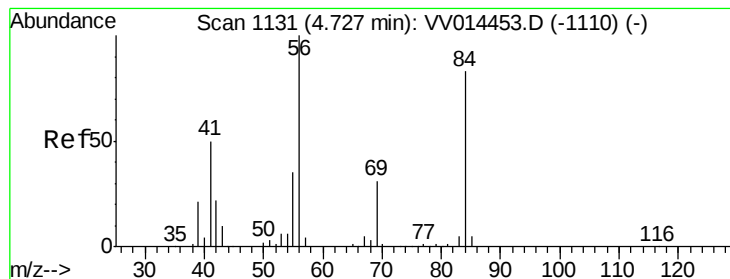
100000

50000

0

Time-->





#29

Cyclohexane

Concen: 103.330 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VV014454.D

Acq: 31 Jan 2020 15:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD10062

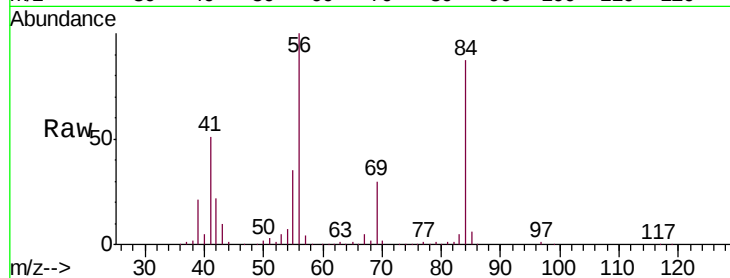
Tgt Ion: 56 Resp: 478436

Ion Ratio Lower Upper

56 100

69 31.2 24.9 37.3

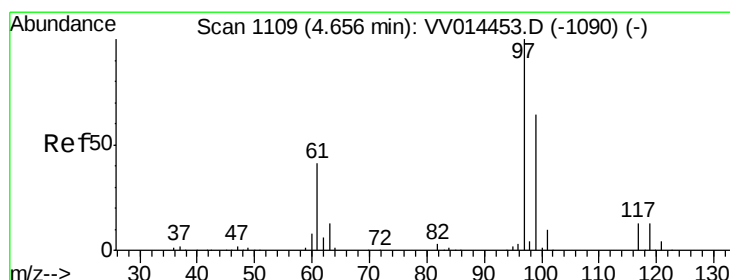
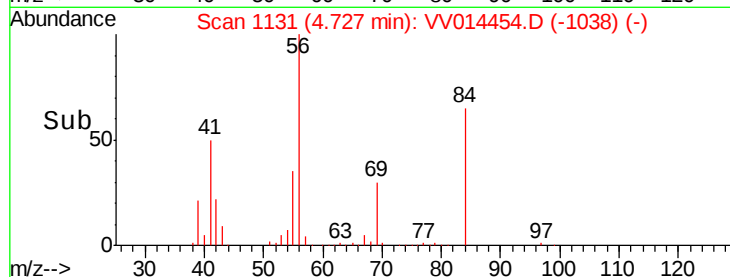
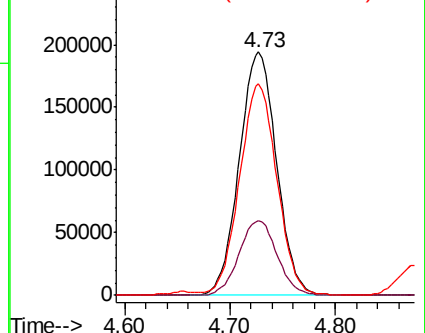
84 86.5 68.6 103.0



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: 89.964 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV014454.D

Acq: 31 Jan 2020 15:23

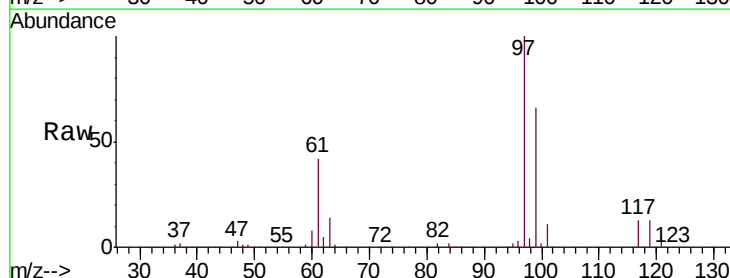
Tgt Ion: 97 Resp: 419863

Ion Ratio Lower Upper

97 100

99 64.0 50.6 76.0

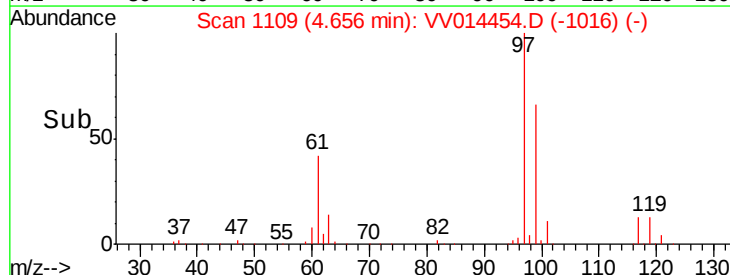
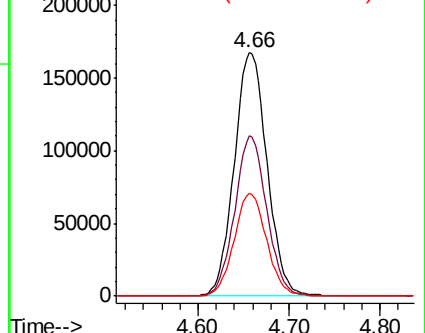
61 41.9 33.0 49.4

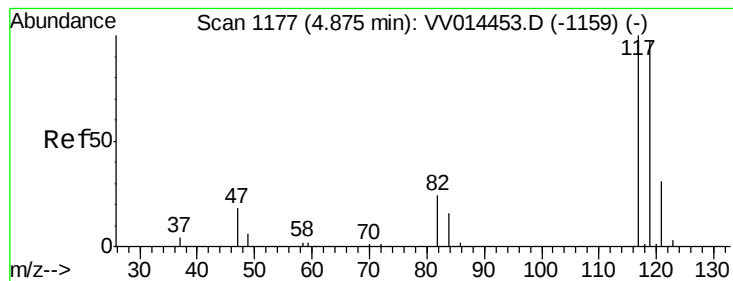


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 89.263 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV014454.D

Acq: 31 Jan 2020 15:23

Instrument :

MSVOA_V

ClientSampleId :

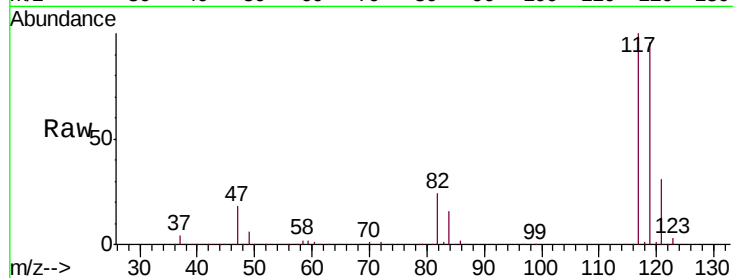
VSTD10062

Tgt Ion:117 Resp: 369370

Ion Ratio Lower Upper

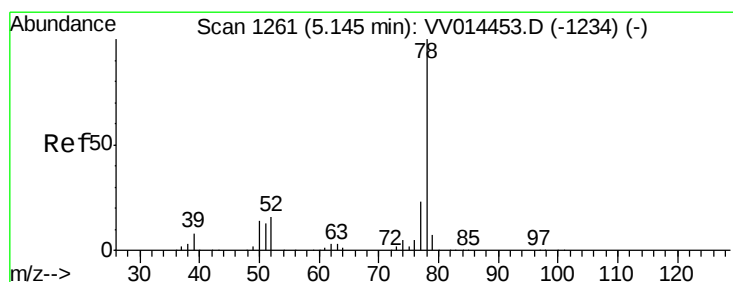
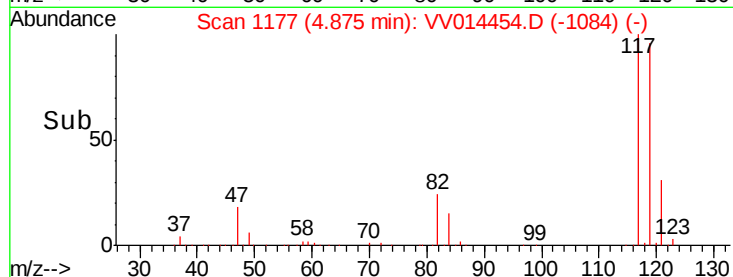
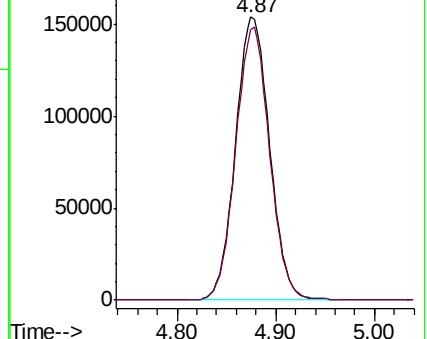
117 100

119 95.9 77.8 116.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 97.811 ug/L

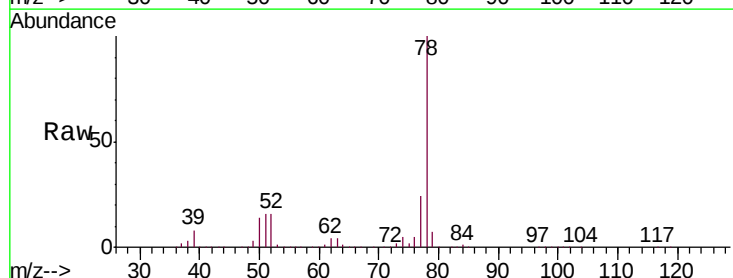
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

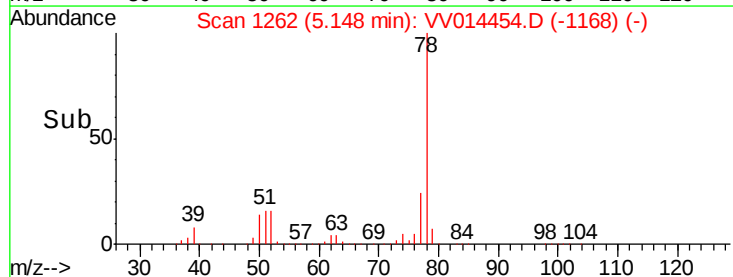
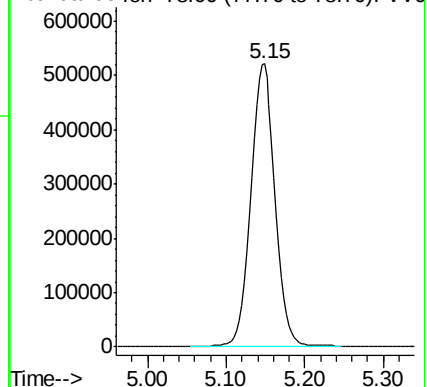
Lab File: VV014454.D

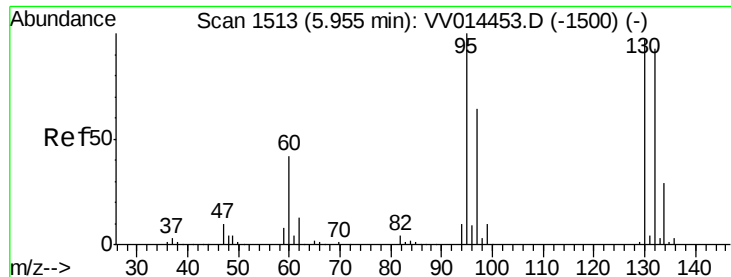
Acq: 31 Jan 2020 15:23

Tgt Ion: 78 Resp: 1142910



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 92.783 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV014454.D

Acq: 31 Jan 2020 15:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD10062

Tgt Ion: 95 Resp: 287940

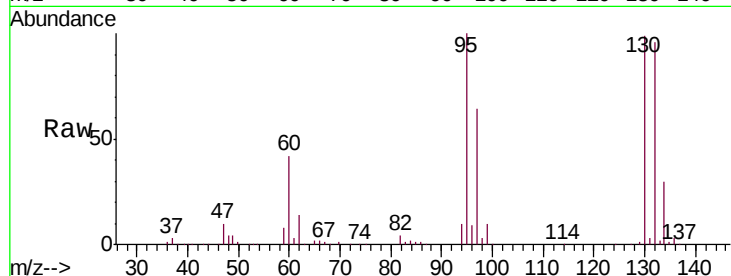
Ion Ratio Lower Upper

95 100

97 64.2 44.7 83.1

132 96.2 65.4 121.4

130 99.5 67.7 125.7

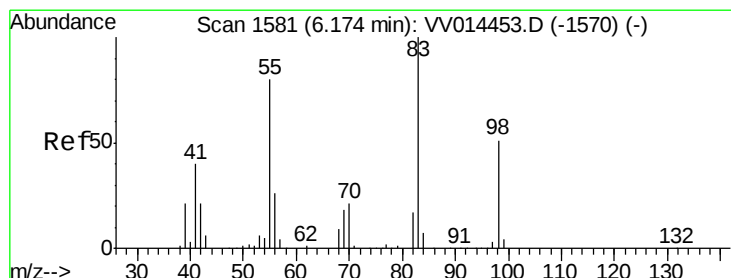
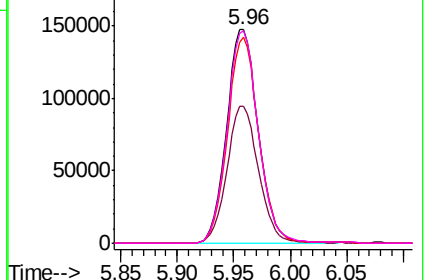
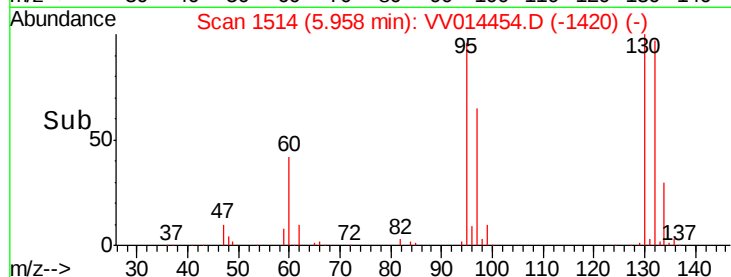


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 102.931 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV014454.D

Acq: 31 Jan 2020 15:23

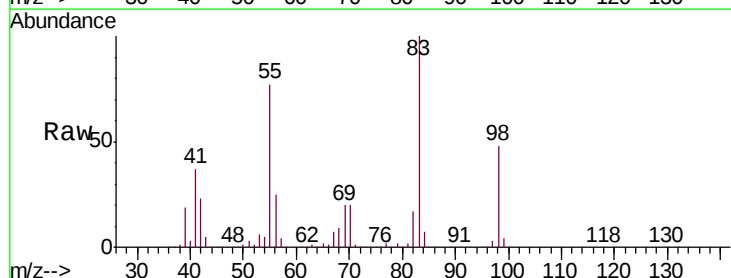
Tgt Ion: 83 Resp: 487776

Ion Ratio Lower Upper

83 100

55 75.8 60.4 90.6

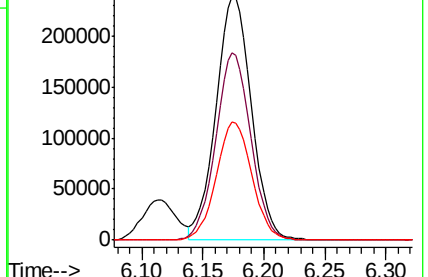
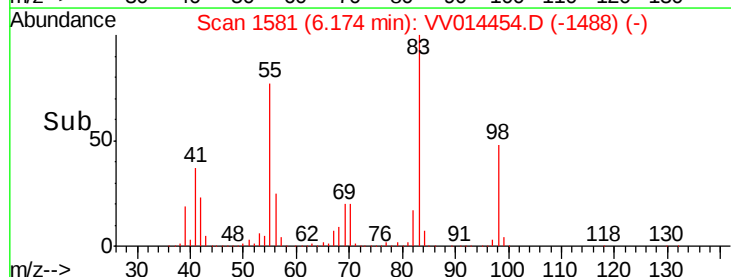
98 48.7 39.2 58.8

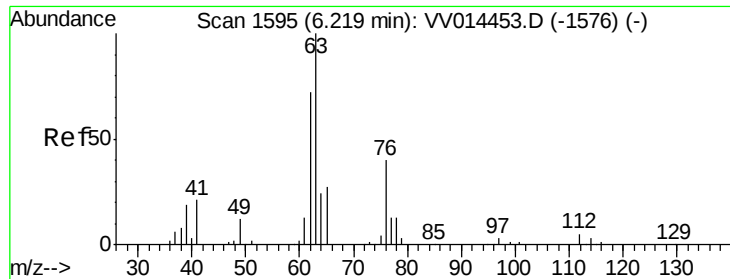


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

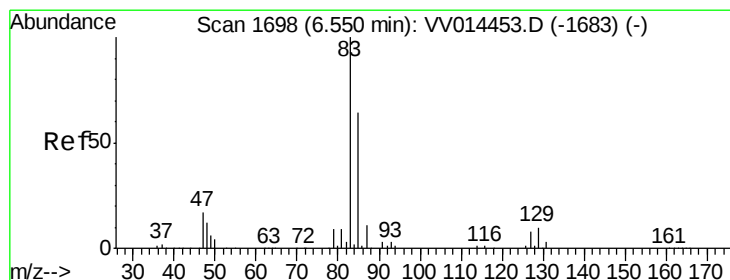
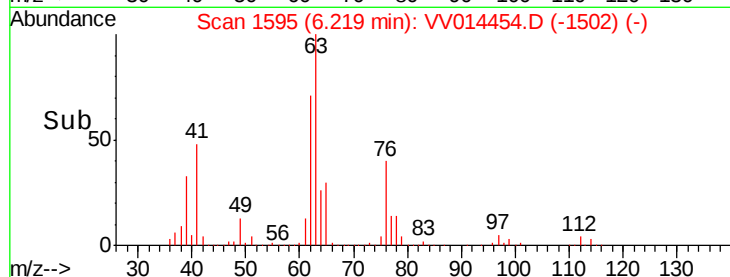
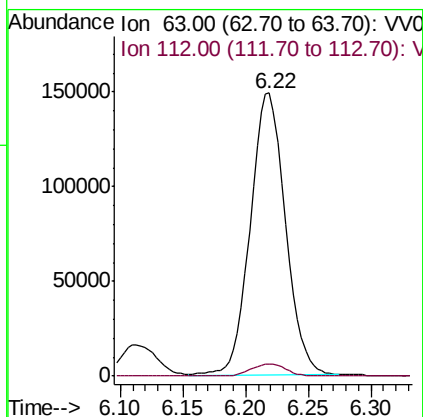
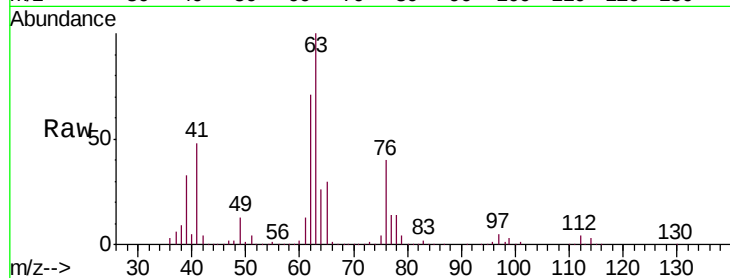




#37
 1,2-Dichloropropane
 Concen: 101.715 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV014454.D
 Acq: 31 Jan 2020 15:23

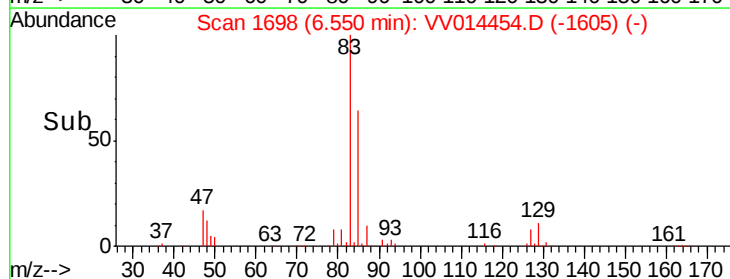
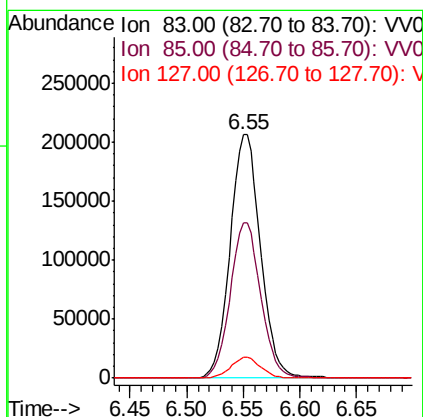
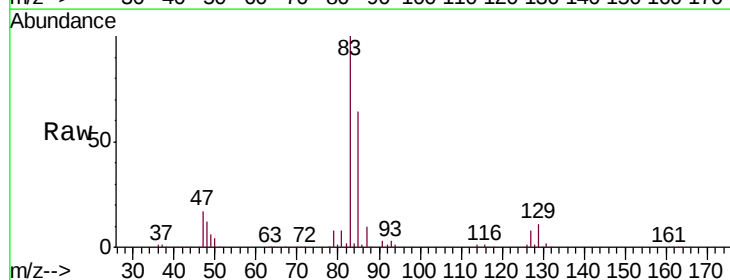
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10062

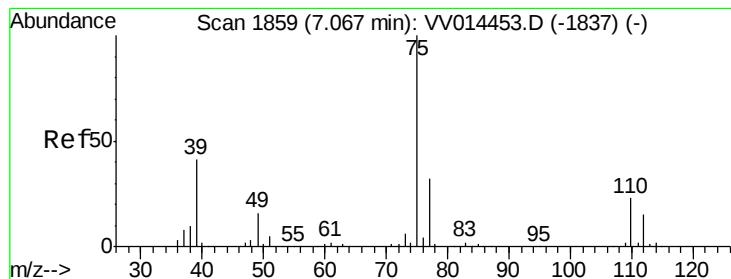
Tgt Ion: 63 Resp: 289654
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.8 5.6



#38
 Bromodichloromethane
 Concen: 95.828 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VV014454.D
 Acq: 31 Jan 2020 15:23

Tgt Ion: 83 Resp: 384751
 Ion Ratio Lower Upper
 83 100
 85 63.9 44.9 83.3
 127 8.3 6.3 9.5



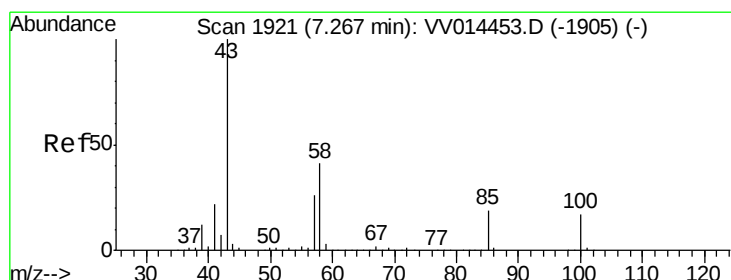
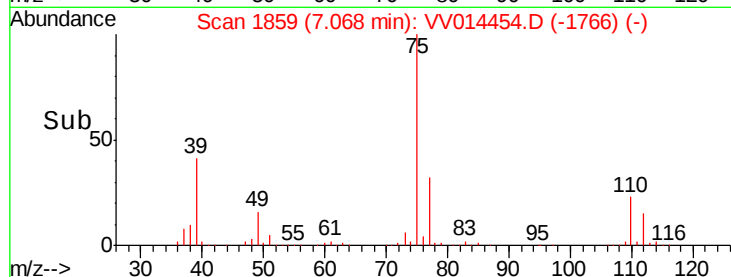
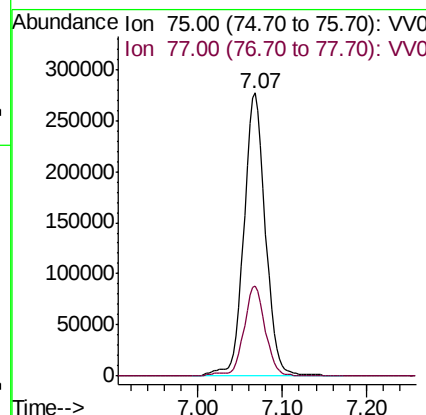
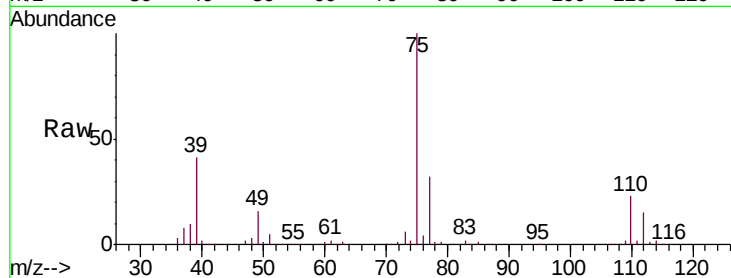


#39

cis-1,3-Dichloropropene
 Concen: 108.698 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VV014454.D
 Acq: 31 Jan 2020 15:23

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10062

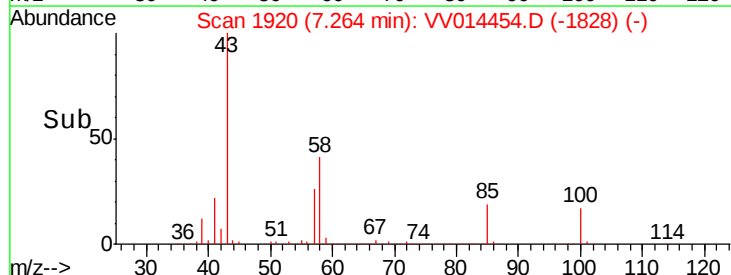
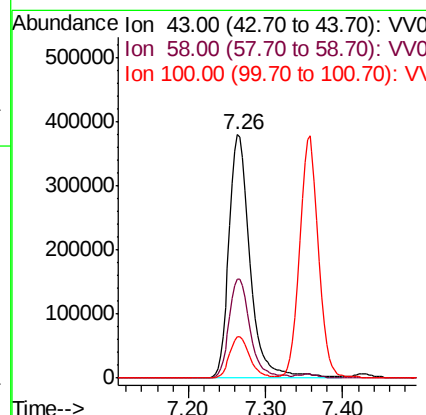
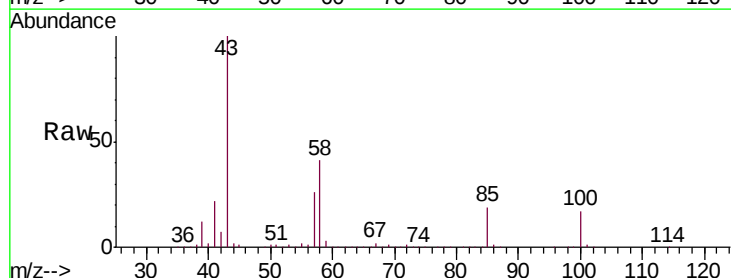
Tgt Ion: 75 Resp: 495627
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.7 42.3

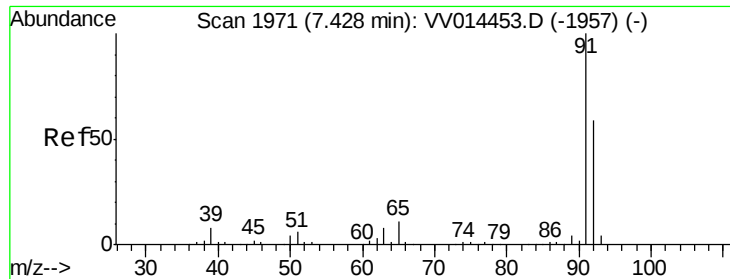


#40

4-Methyl-2-pentanone
 Concen: 196.244 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VV014454.D
 Acq: 31 Jan 2020 15:23

Tgt Ion: 43 Resp: 720996
 Ion Ratio Lower Upper
 43 100
 58 40.5 31.9 47.9
 100 16.2 12.2 18.4





#42

Toluene

Concen: 99.492 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV014454.D

Acq: 31 Jan 2020 15:23

Instrument :

MSVOA_V

ClientSampleId :

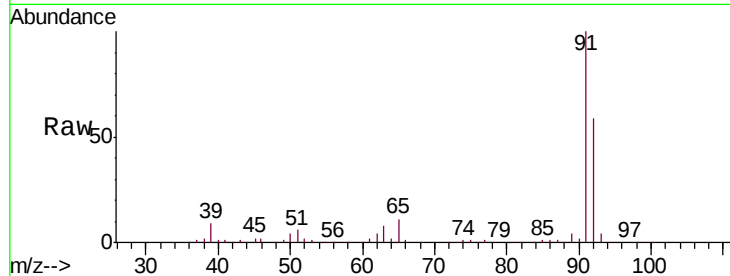
VSTD10062

Tgt Ion: 91 Resp: 1202990

Ion Ratio Lower Upper

91 100

92 58.8 41.0 76.2



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

800000

600000

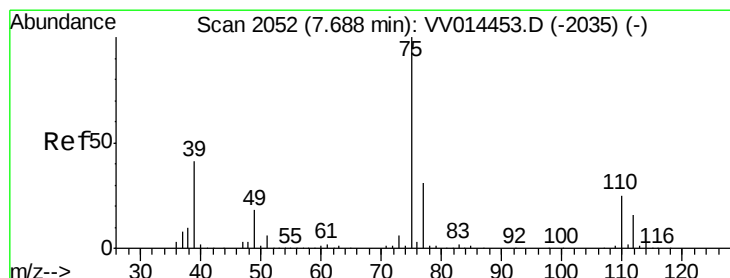
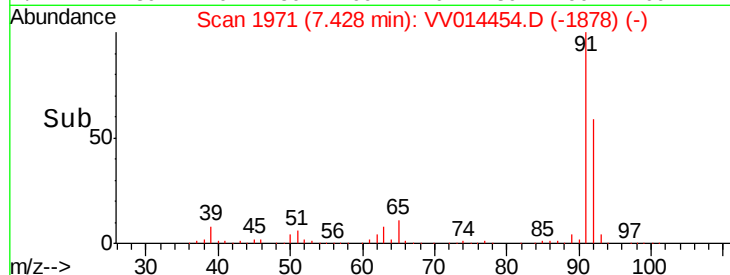
400000

200000

0

7.35 7.40 7.45 7.50 7.55

Time-->



#44

trans-1,3-Dichloropropene

Concen: 104.403 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. 0.00 min

Lab File: VV014454.D

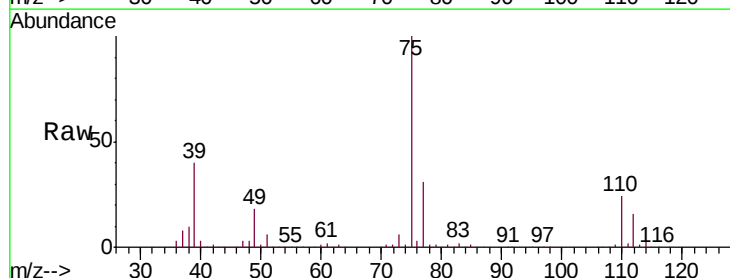
Acq: 31 Jan 2020 15:23

Tgt Ion: 75 Resp: 427092

Ion Ratio Lower Upper

75 100

77 31.0 22.0 40.8



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

300000

250000

200000

150000

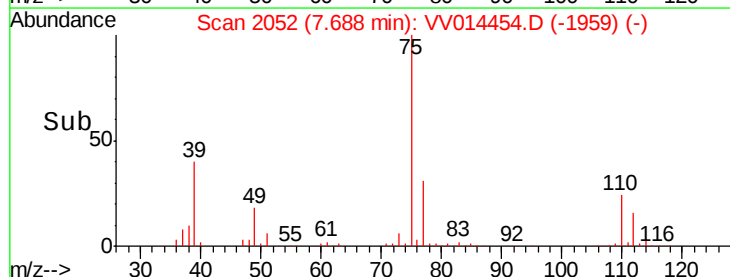
100000

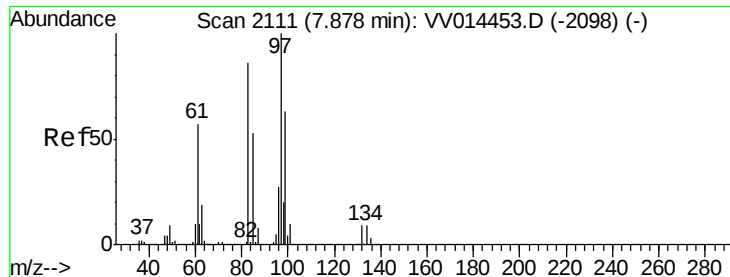
50000

0

7.60 7.70 7.80

Time-->

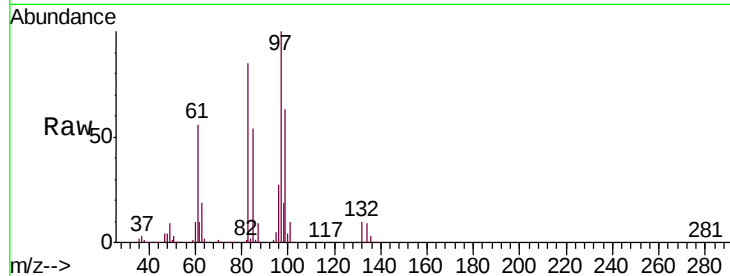




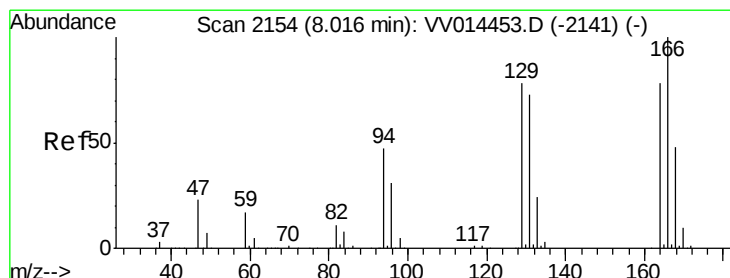
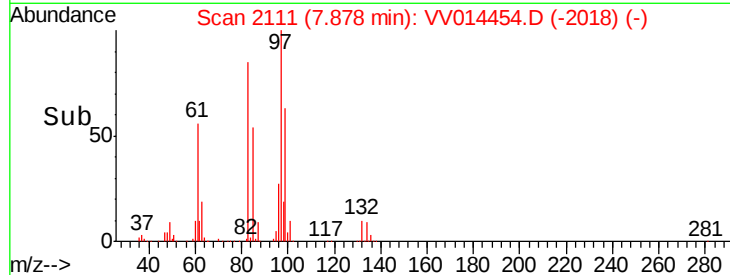
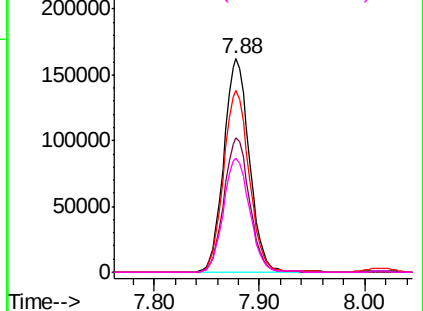
#45
 1,1,2-Trichloroethane
 Concen: 96.577 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. 0.00 min
 Lab File: VV014454.D
 Acq: 31 Jan 2020 15:23

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10062

Tgt Ion:	97	Resp:	271032
Ion	Ratio	Lower	Upper
97	100		
99	63.0	43.8	81.3
83	84.8	60.0	111.4
85	53.5	37.2	69.0

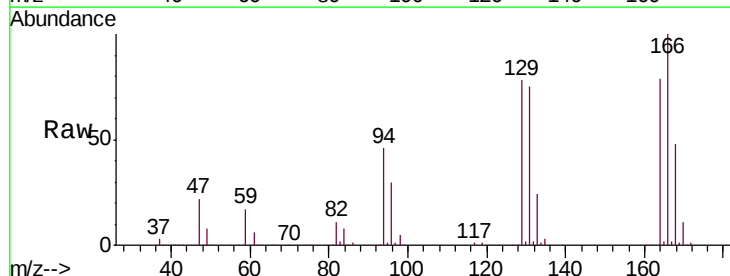


Abundance Ion 97.00 (96.70 to 97.70): VV014454.D (-2098) (-)
 Ion 99.00 (98.70 to 99.70): VV014454.D (-2098) (-)
 Ion 83.00 (82.70 to 83.70): VV014454.D (-2098) (-)
 Ion 85.00 (84.70 to 85.70): VV014454.D (-2098) (-)

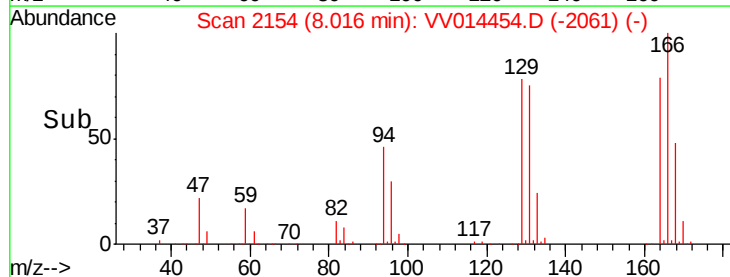
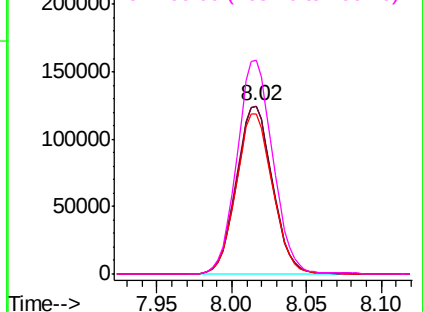


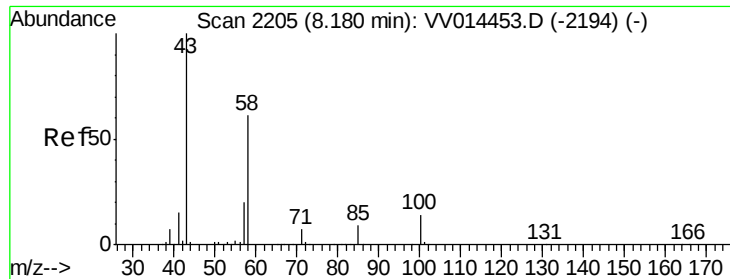
#46
 Tetrachloroethene
 Concen: 77.107 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV014454.D
 Acq: 31 Jan 2020 15:23

Tgt Ion:	164	Resp:	208036
Ion	Ratio	Lower	Upper
164	100		
129	99.6	70.4	130.8
131	94.9	65.5	121.7
166	127.2	89.9	166.9



Abundance Ion 164.00 (163.70 to 164.70): VV014454.D (-2141) (-)
 Ion 129.00 (128.70 to 129.70): VV014454.D (-2141) (-)
 Ion 131.00 (130.70 to 131.70): VV014454.D (-2141) (-)
 Ion 166.00 (165.70 to 166.70): VV014454.D (-2141) (-)

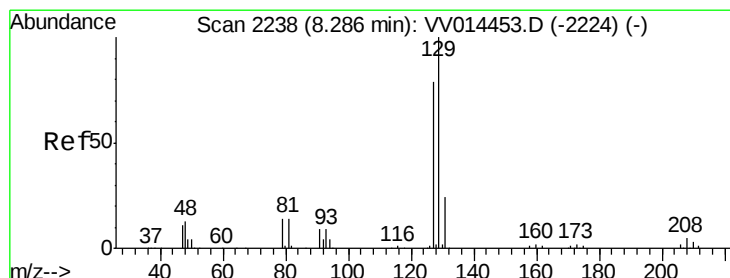
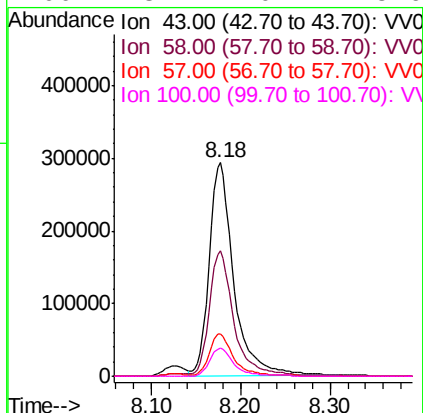
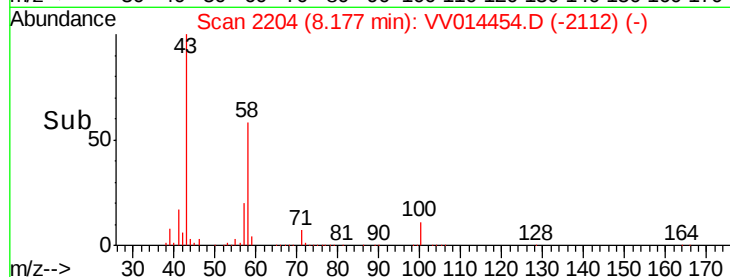
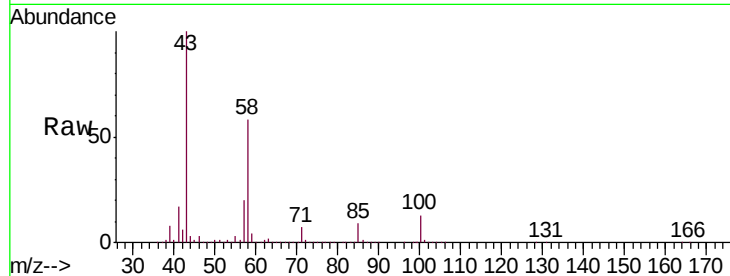




#48
2-Hexanone
Concen: 188.304 ug/L
RT: 8.18 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VV014454.D
Acq: 31 Jan 2020 15:23

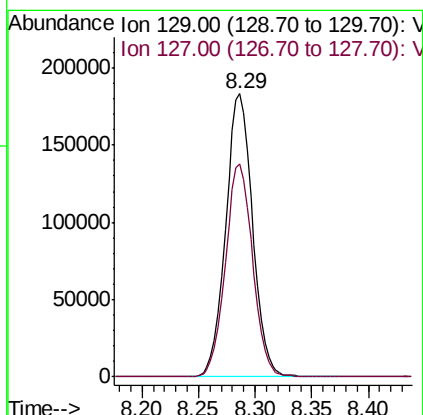
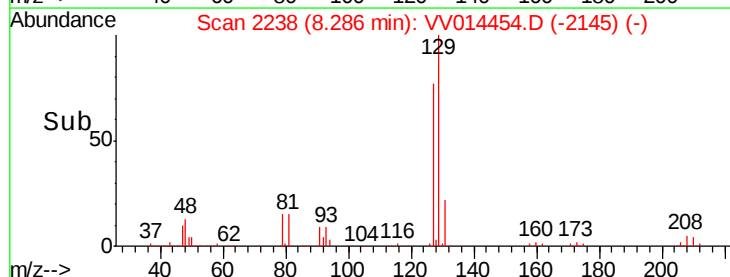
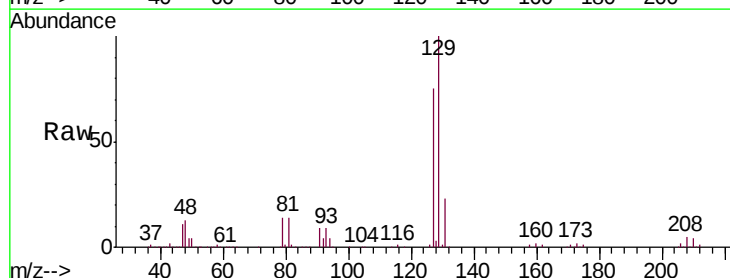
Instrument :
MSVOA_V
ClientSampleId :
VSTD10062

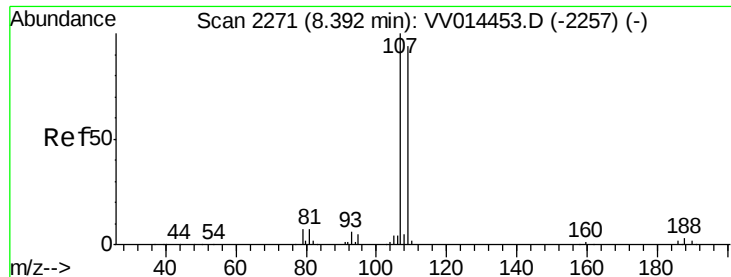
Tgt Ion: 43 Resp: 558321
Ion Ratio Lower Upper
43 100
58 58.3 48.0 72.0
57 19.1 15.0 22.6
100 13.4 10.4 15.6



#49
Dibromochloromethane
Concen: 89.897 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV014454.D
Acq: 31 Jan 2020 15:23

Tgt Ion: 129 Resp: 303455
Ion Ratio Lower Upper
129 100
127 75.2 55.1 102.3

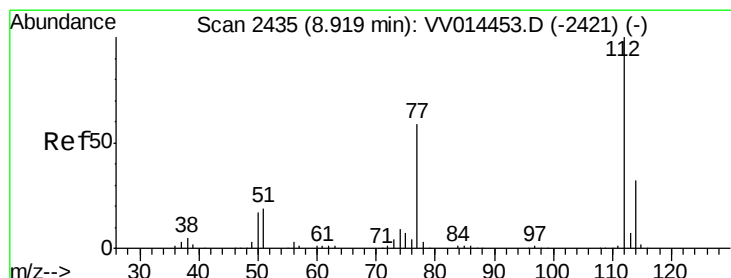
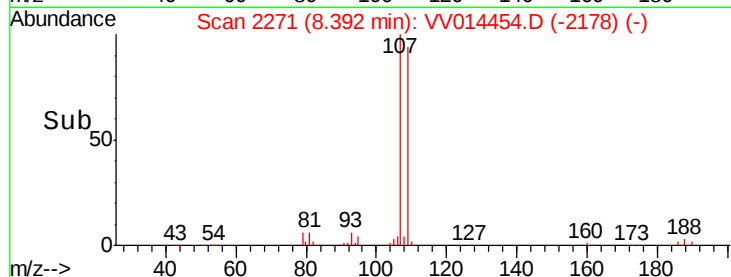
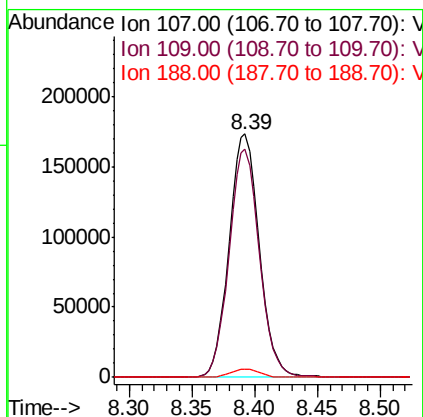
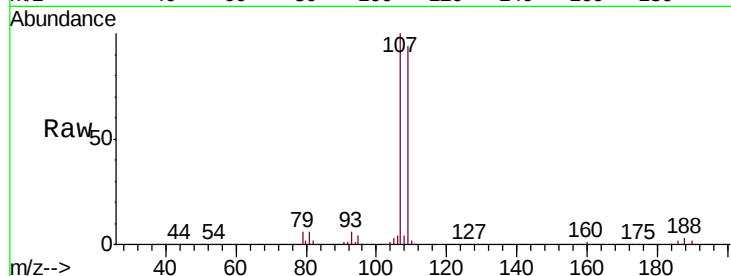




#50
1,2-Dibromoethane
Concen: 94.430 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV014454.D
Acq: 31 Jan 2020 15:23

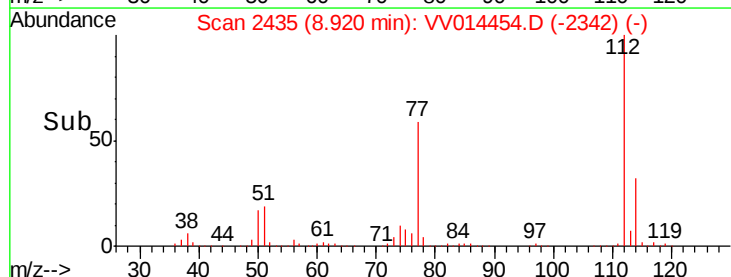
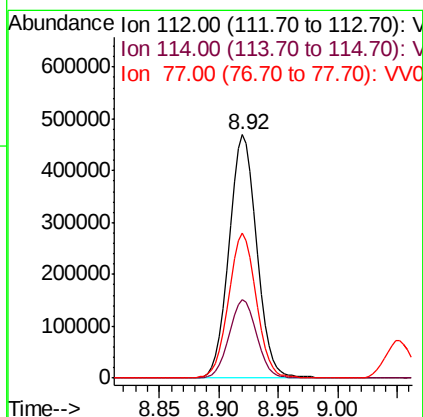
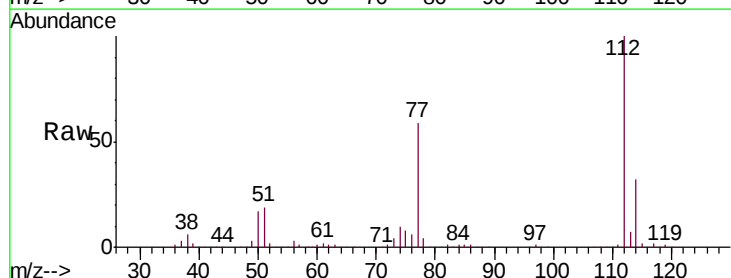
Instrument :
MSVOA_V
ClientSampleId :
VSTD10062

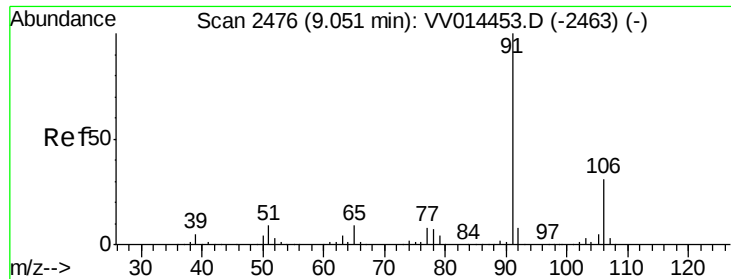
Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.5	65.5	121.7
188	3.4	2.6	3.8



#51
Chlorobenzene
Concen: 91.911 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. 0.00 min
Lab File: VV014454.D
Acq: 31 Jan 2020 15:23

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.3	22.5	41.9
77	59.3	47.5	71.3





#52

Ethylbenzene

Concen: 99.924 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV014454.D

Acq: 31 Jan 2020 15:23

Instrument :

MSVOA_V

ClientSampleId :

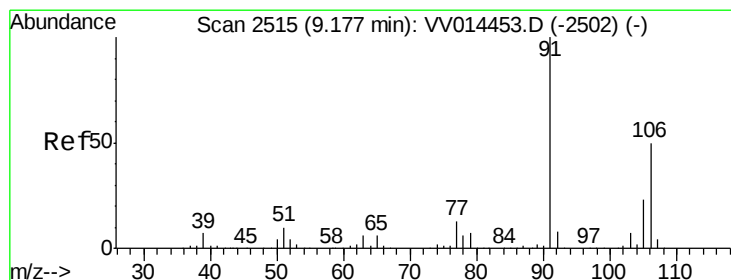
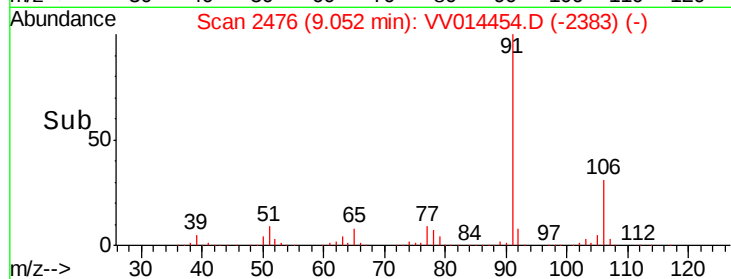
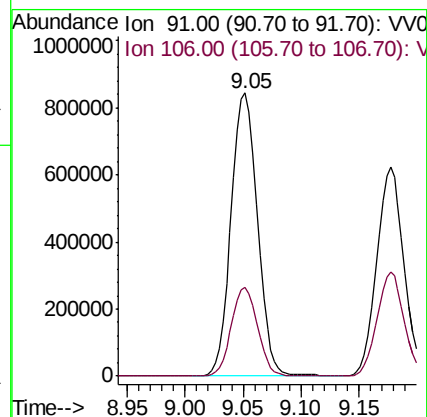
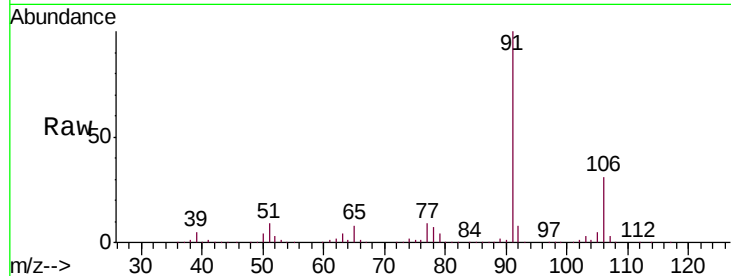
VSTD10062

Tgt Ion: 91 Resp: 1336328

Ion Ratio Lower Upper

91 100

106 31.3 21.8 40.6



#53

m,p-Xylene

Concen: 98.340 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV014454.D

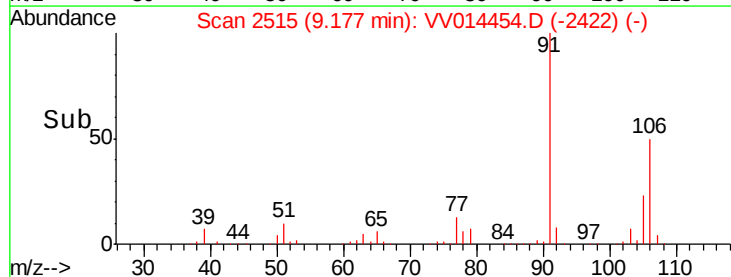
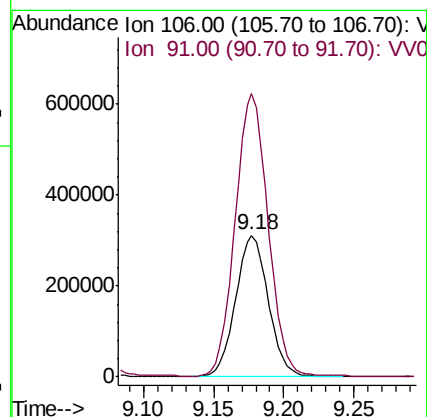
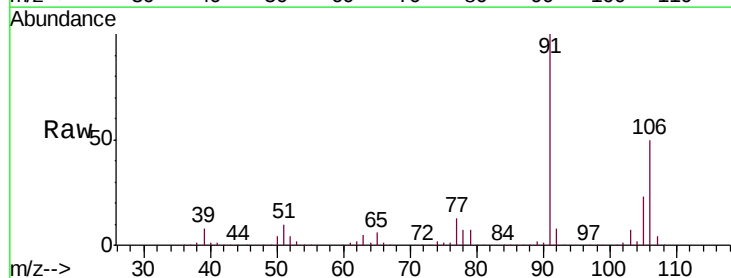
Acq: 31 Jan 2020 15:23

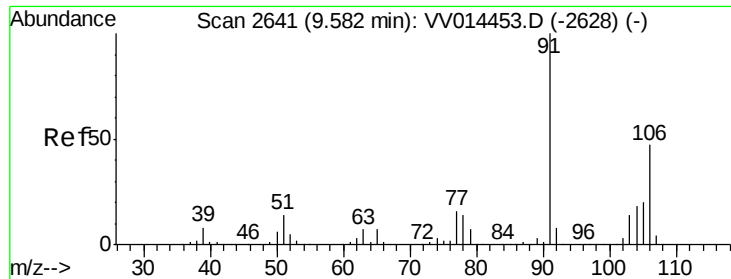
Tgt Ion: 106 Resp: 504480

Ion Ratio Lower Upper

106 100

91 200.1 140.9 261.7

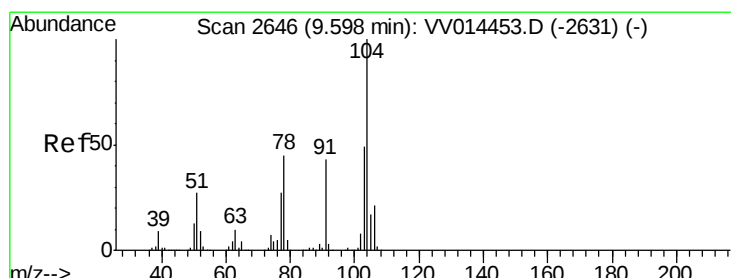
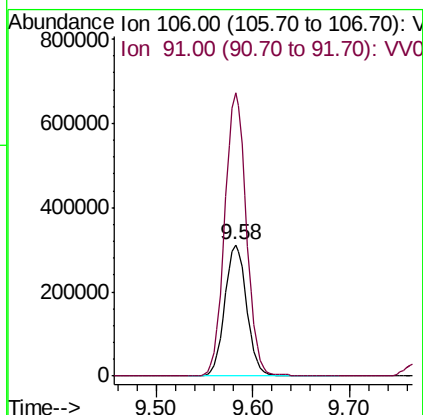
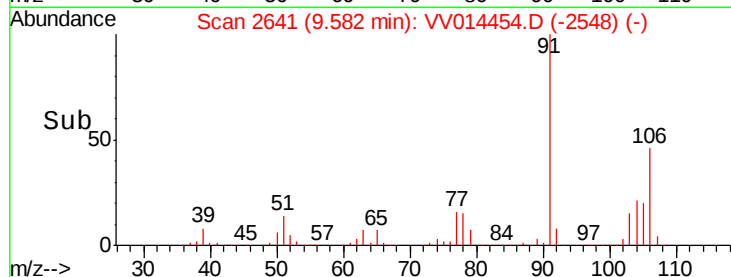
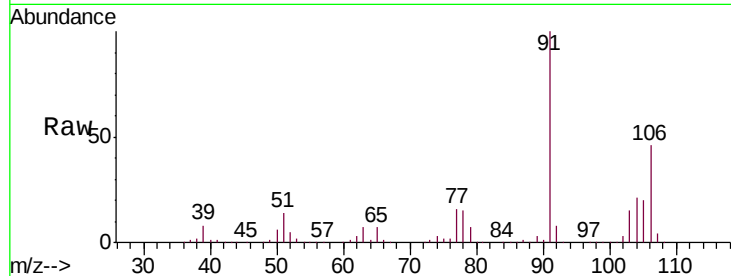




#54
o-xylene
Concen: 98.990 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV014454.D
Acq: 31 Jan 2020 15:23

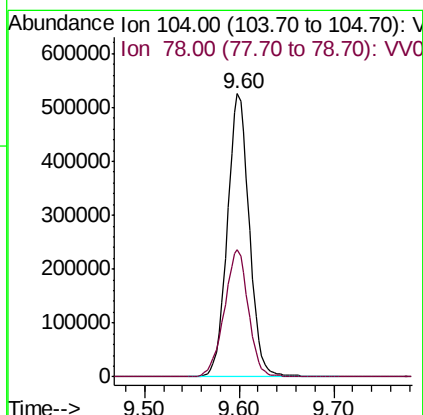
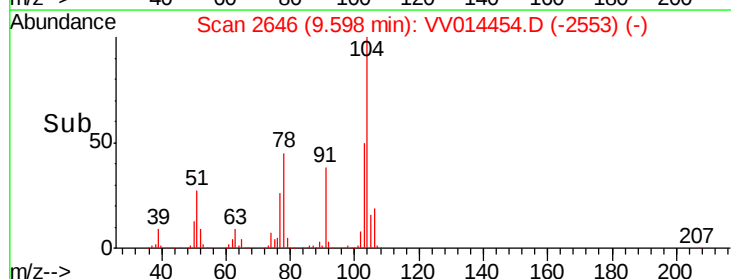
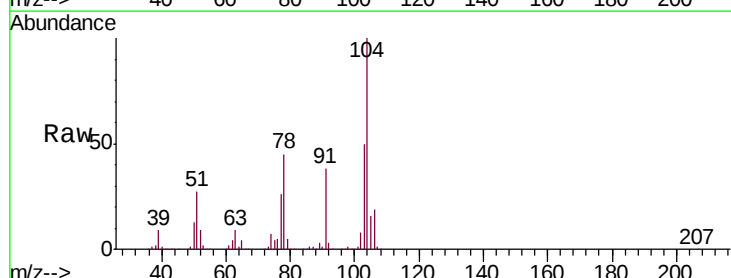
Instrument :
MSVOA_V
ClientSampleId :
VSTD10062

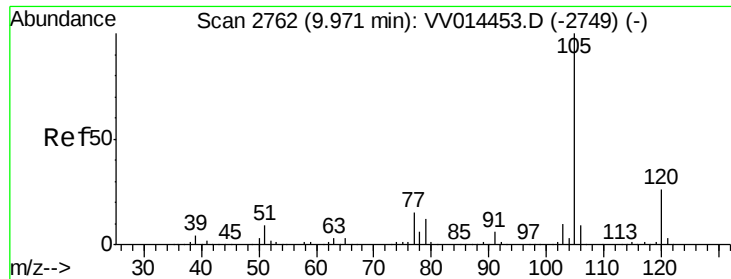
Tgt Ion:106 Resp: 491574
Ion Ratio Lower Upper
106 100
91 215.6 150.4 279.2



#55
Styrene
Concen: 99.611 ug/L
RT: 9.60 min Scan# 2646
Delta R.T. 0.00 min
Lab File: VV014454.D
Acq: 31 Jan 2020 15:23

Tgt Ion:104 Resp: 846772
Ion Ratio Lower Upper
104 100
78 44.9 31.3 58.1





#56

Isopropylbenzene

Concen: 96.948 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV014454.D

Acq: 31 Jan 2020 15:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD10062

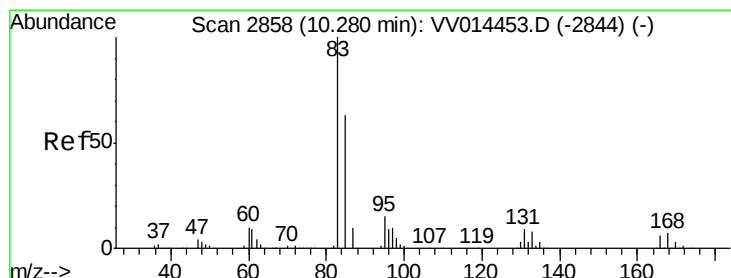
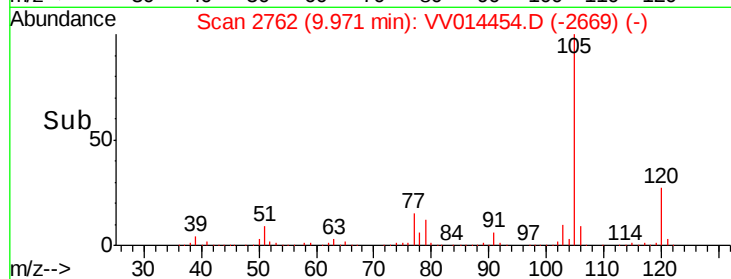
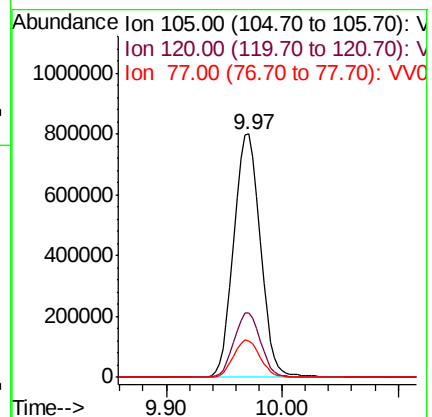
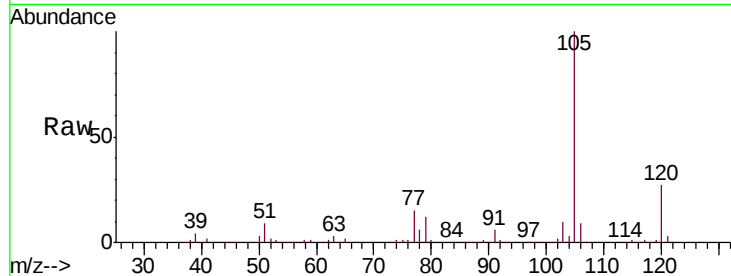
Tgt Ion: 105 Resp: 1268874

Ion Ratio Lower Upper

105 100

120 26.5 21.0 31.6

77 15.3 12.5 18.7



#58

1,1,2,2-Tetrachloroethane

Concen: 96.216 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV014454.D

Acq: 31 Jan 2020 15:23

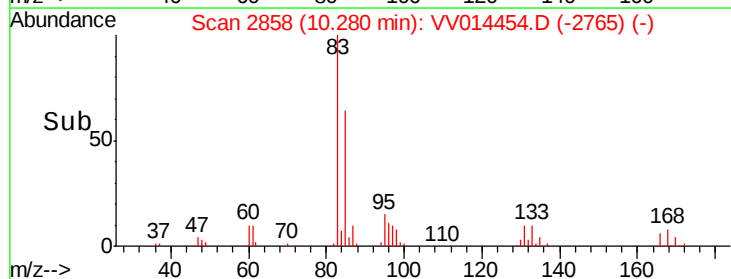
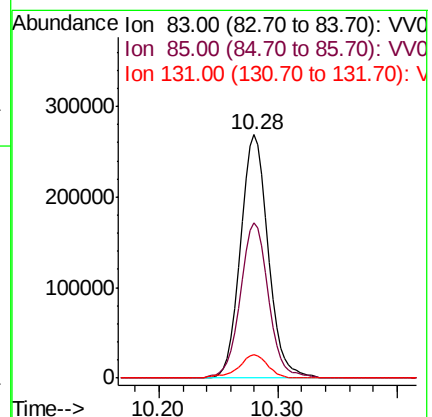
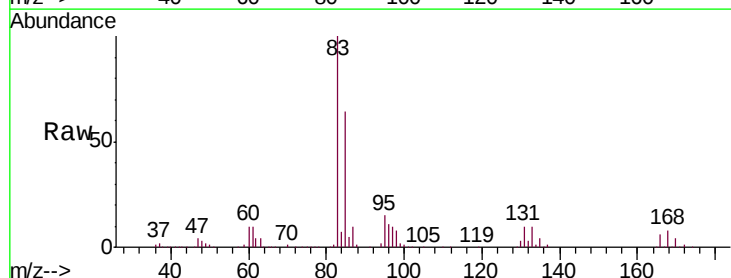
Tgt Ion: 83 Resp: 433120

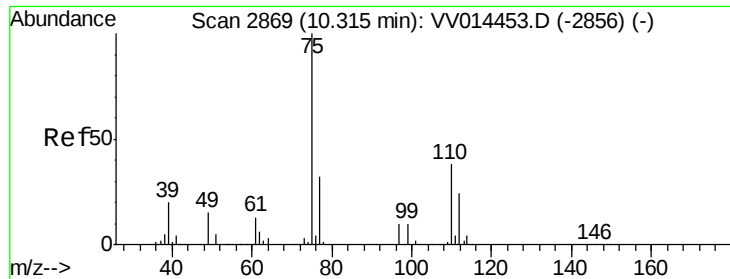
Ion Ratio Lower Upper

83 100

85 64.0 44.2 82.2

131 9.6 7.6 11.4





#59

1,2,3-Trichloropropane

Concen: 89.387 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VV014454.D

Acq: 31 Jan 2020 15:23

Instrument :

MSVOA_V

ClientSampleId :

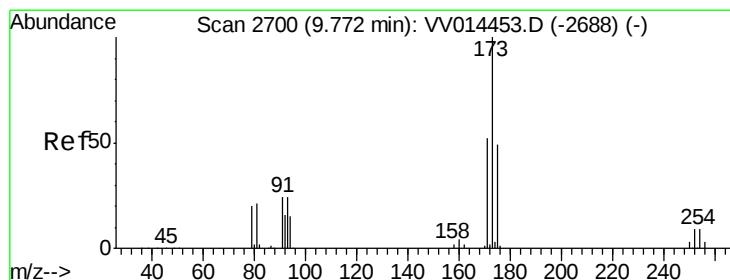
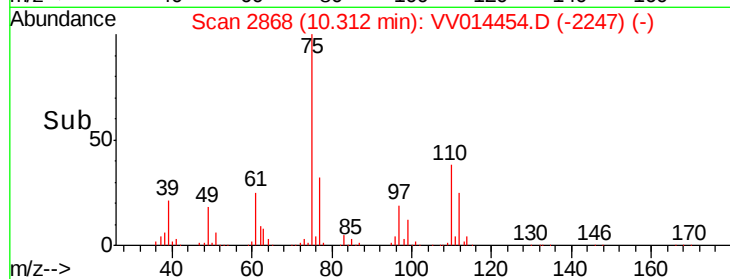
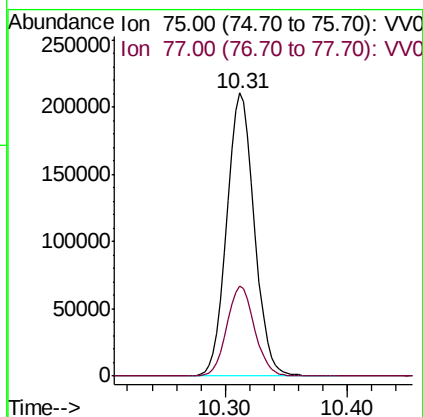
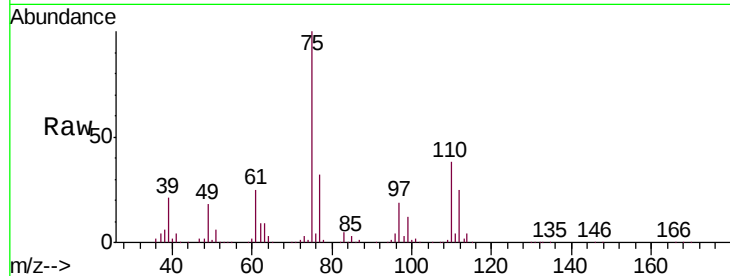
VSTD10062

Tgt Ion: 75 Resp: 333283

Ion Ratio Lower Upper

75 100

77 31.9 25.9 38.9



#61

Bromoform

Concen: 88.363 ug/L

RT: 9.77 min Scan# 2699

Delta R.T. -0.00 min

Lab File: VV014454.D

Acq: 31 Jan 2020 15:23

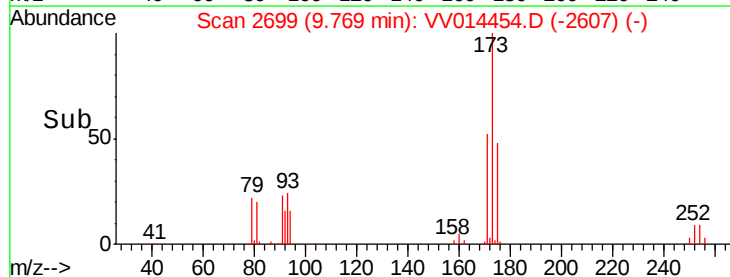
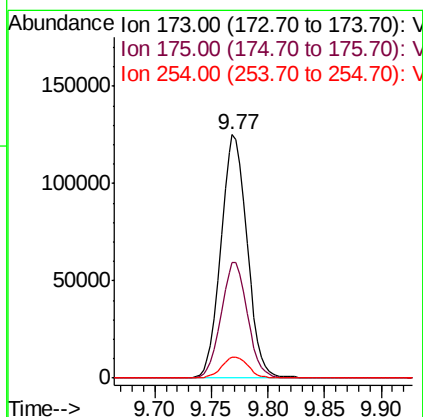
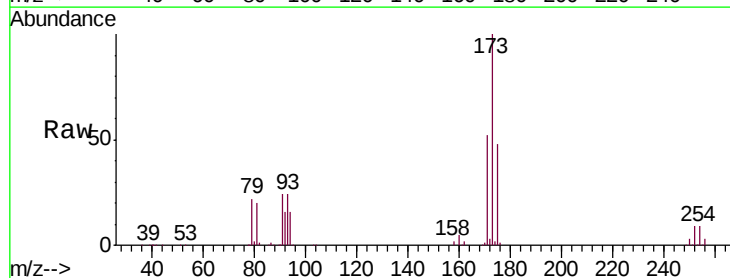
Tgt Ion: 173 Resp: 202256

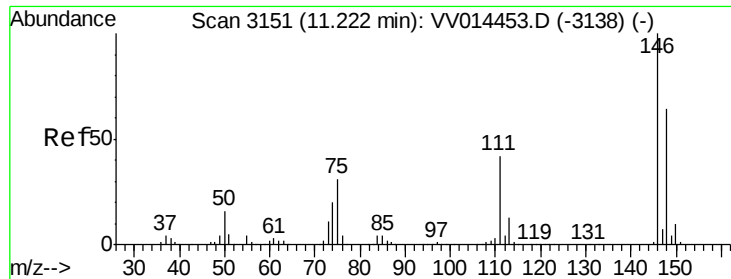
Ion Ratio Lower Upper

173 100

175 48.0 38.8 58.2

254 8.8 7.0 10.6





#62

1,3-Dichlorobenzene

Concen: 92.074 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. 0.00 min

Lab File: VV014454.D

Acq: 31 Jan 2020 15:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD10062

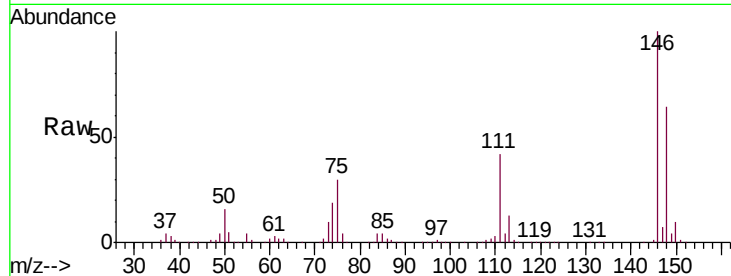
Tgt Ion:146 Resp: 573143

Ion Ratio Lower Upper

146 100

111 41.7 29.3 54.3

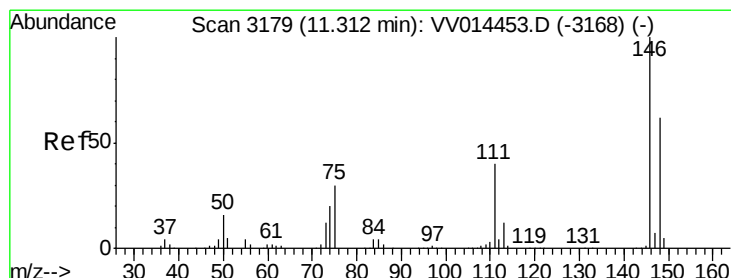
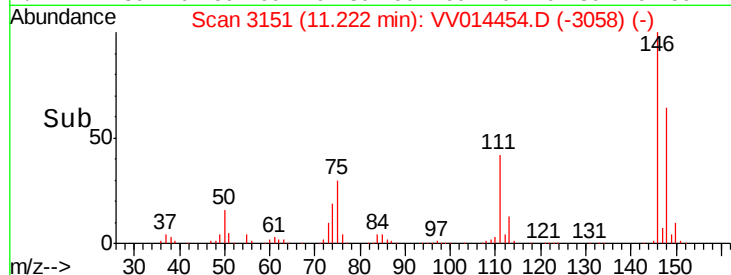
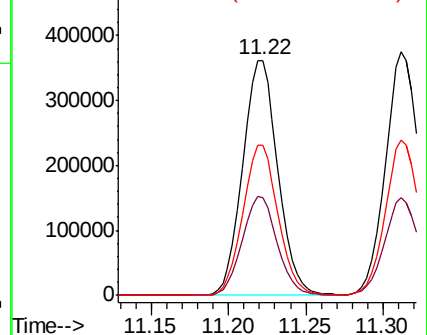
148 63.8 44.9 83.3



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



#63

1,4-Dichlorobenzene

Concen: 89.977 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. 0.00 min

Lab File: VV014454.D

Acq: 31 Jan 2020 15:23

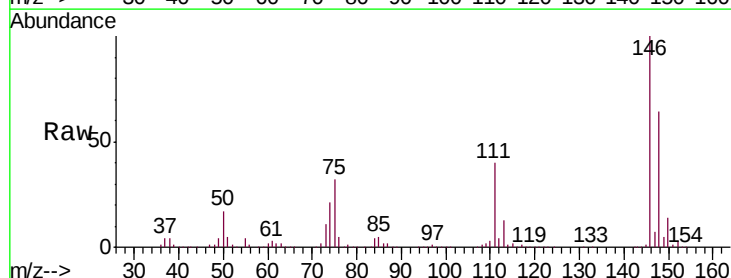
Tgt Ion:146 Resp: 578575

Ion Ratio Lower Upper

146 100

111 40.1 28.1 52.1

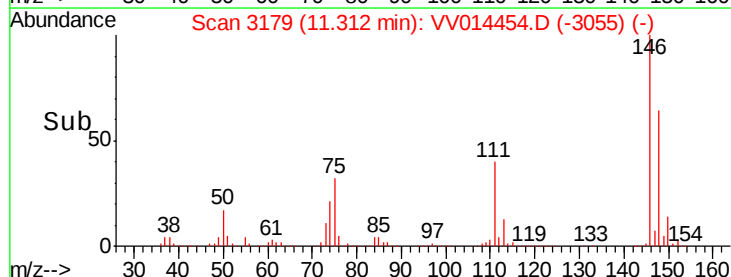
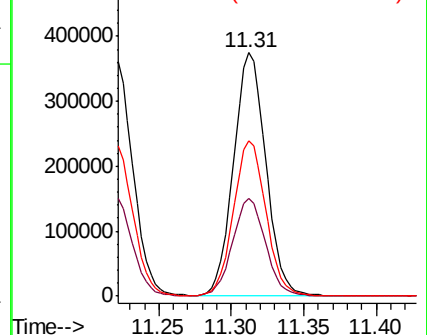
148 64.0 43.5 80.9

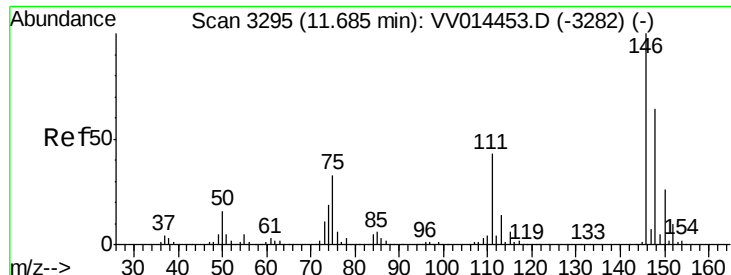


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 89.161 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. 0.00 min

Lab File: VV014454.D

Acq: 31 Jan 2020 15:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD10062

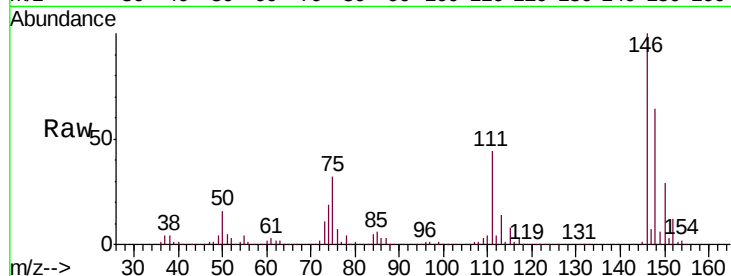
Tgt Ion:146 Resp: 554674

Ion Ratio Lower Upper

146 100

111 43.9 34.6 51.8

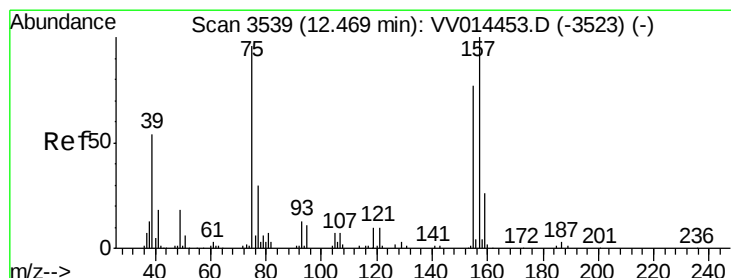
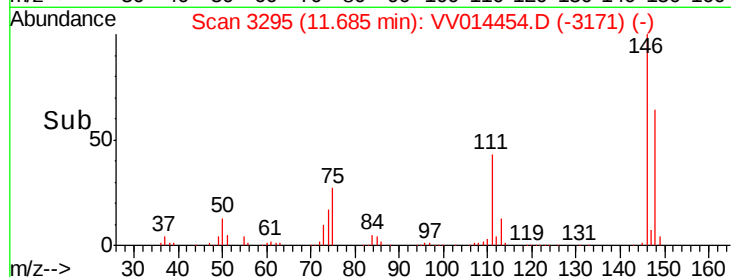
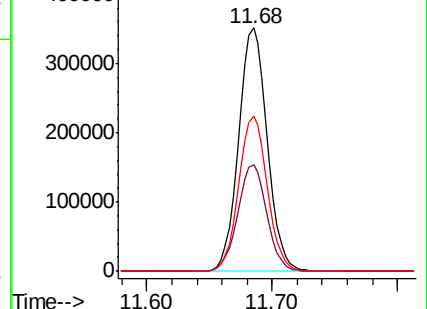
148 63.7 51.2 76.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 101.402 ug/L

RT: 12.47 min Scan# 3539

Delta R.T. 0.00 min

Lab File: VV014454.D

Acq: 31 Jan 2020 15:23

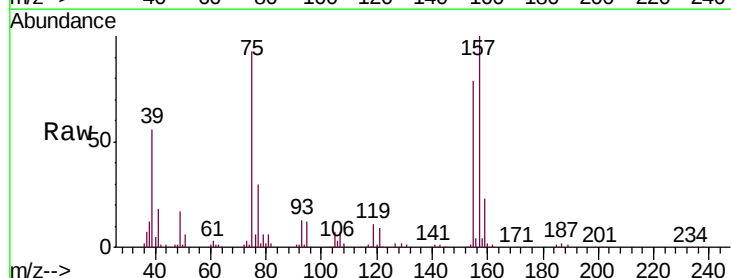
Tgt Ion: 75 Resp: 90066

Ion Ratio Lower Upper

75 100

155 84.9 64.2 96.2

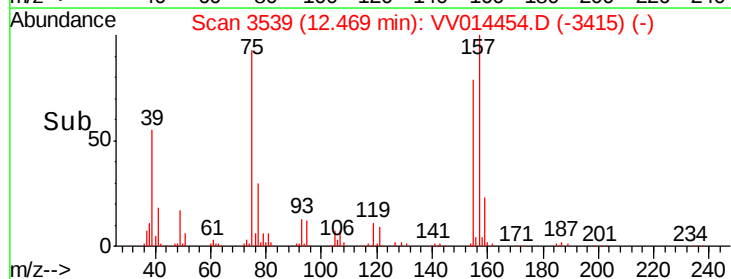
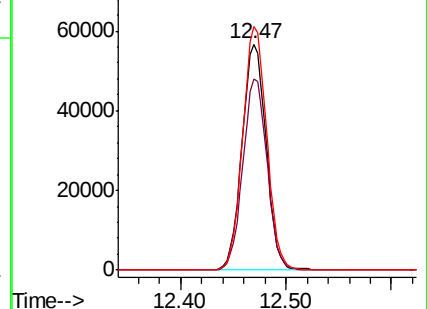
157 107.8 83.4 125.2

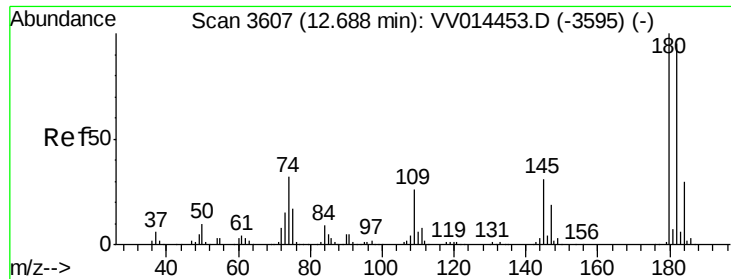


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

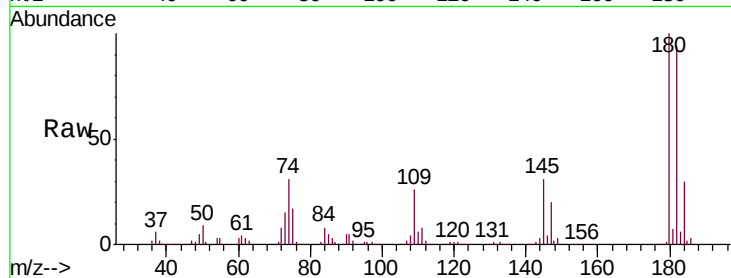




#67
 1,3,5-Trichlorobenzene
 Concen: 79.160 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV014454.D
 Acq: 31 Jan 2020 15:23

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10062

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.7	76.3	114.5
184	29.9	24.2	36.2
145	31.6	25.4	38.2



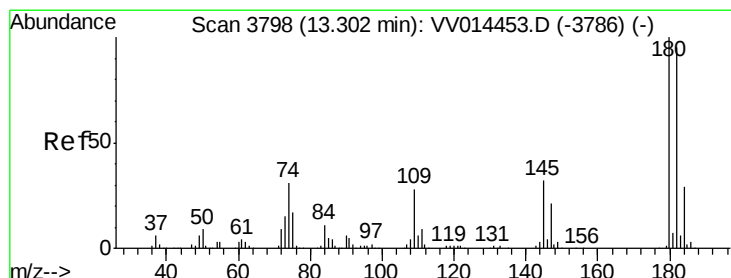
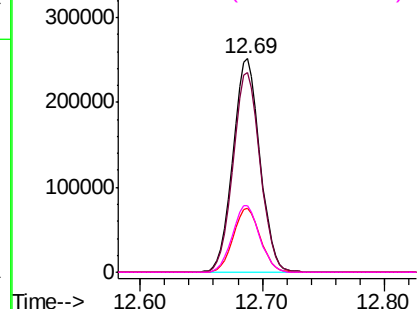
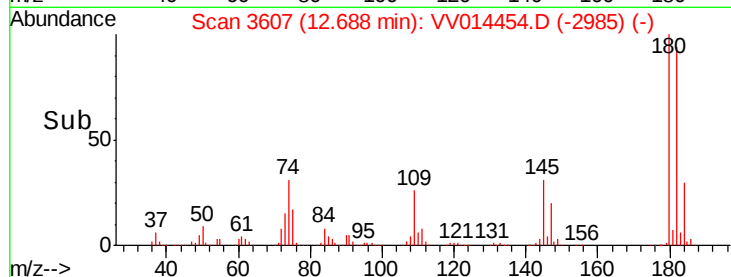
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

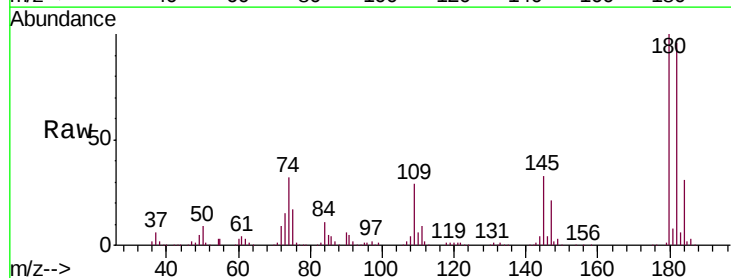
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 80.462 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. 0.00 min
 Lab File: VV014454.D
 Acq: 31 Jan 2020 15:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	76.0	114.0
145	32.1	26.2	39.2

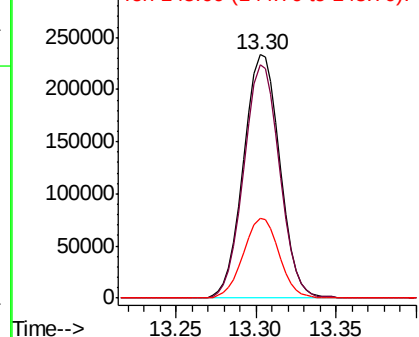
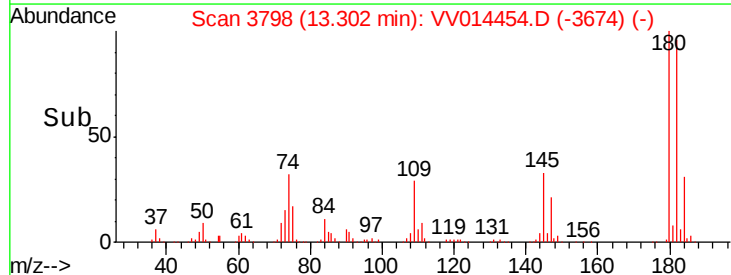


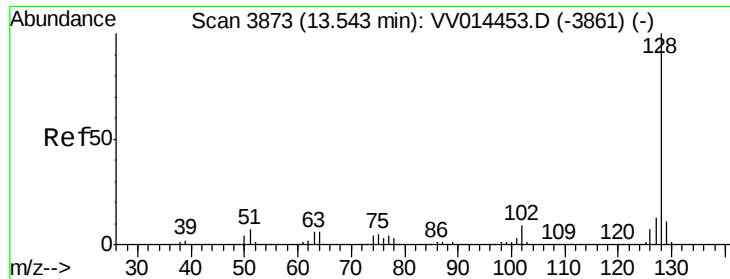
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 98.584 ug/L

RT: 13.54 min Scan# 3873

Delta R.T. 0.00 min

Lab File: VV014454.D

Acq: 31 Jan 2020 15:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD10062

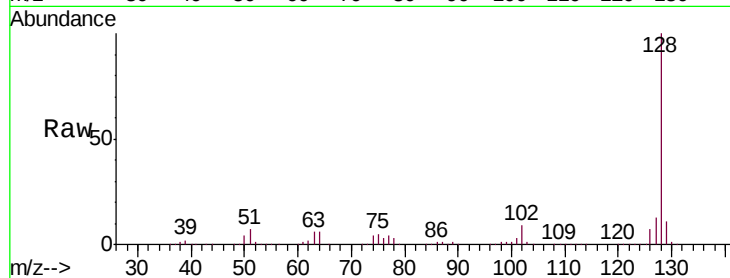
Tgt Ion:128 Resp: 1195352

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

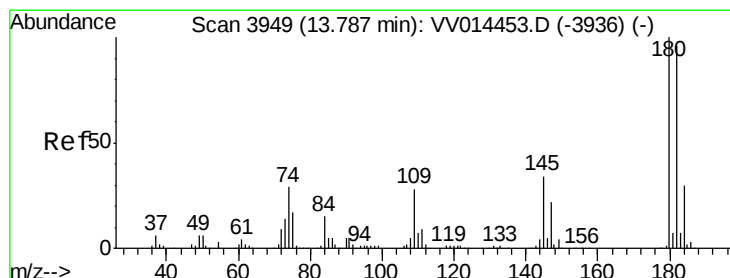
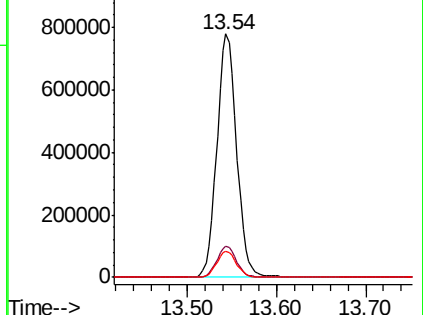
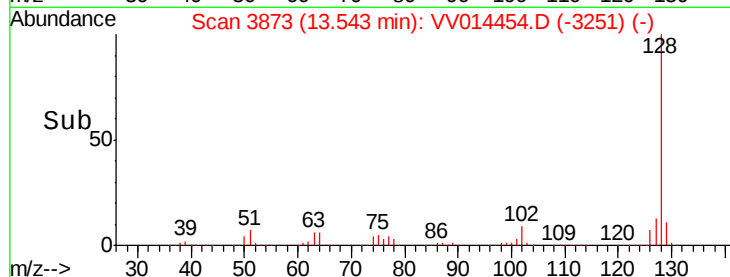
129 10.8 8.6 13.0



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



#70

1,2,3-Trichlorobenzene

Concen: 75.526 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV014454.D

Acq: 31 Jan 2020 15:23

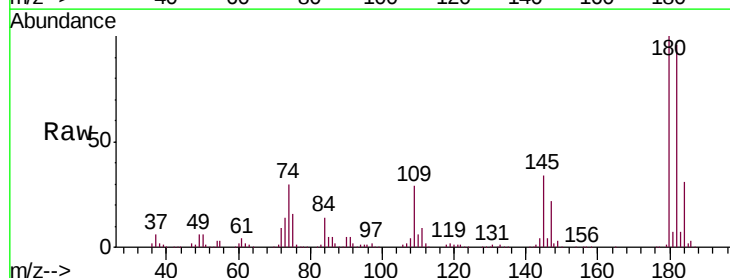
Tgt Ion:180 Resp: 347002

Ion Ratio Lower Upper

180 100

182 95.9 77.5 116.3

145 34.6 27.8 41.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

