

Data File : VV014452.D
Acq On : 31 Jan 2020 14:36
Operator : SY/MD
Sample : VSTD01066
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD01066

Quant Time: Feb 01 01:41:21 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	412340	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	387485	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	188715	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	23178	9.75	ug/L	0.00
7) Chloroethane-d5	1.59	69	14618	6.41	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.14	63	30547	6.29	ug/L	0.00
21) 2-Butanone-d5	3.94	46	25018	15.27	ug/L	0.01
24) Chloroform-d	4.40	84	46023	9.21	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	29042	9.28	ug/L	0.00
32) Benzene-d6	5.10	84	99409	9.85	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	31952	10.42	ug/L	0.00
41) Toluene-d8	7.36	98	91120	9.90	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	15080	10.05	ug/L	0.00
47) 2-Hexanone-d5	8.15	63	23551	20.43	ug/L	0.02
57) 1,1,2,2-Tetrachloroethane-	10.26	84	41185	9.60	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	34012	9.16	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	35975	9.832 ug/L	98
3) Chloromethane	1.26	50	37871	10.977 ug/L	100
5) Vinyl chloride	1.33	62	29551	8.656 ug/L	98
6) Bromomethane	1.54	94	9855	5.175 ug/L	99
8) Chloroethane	1.60	64	13473	6.300 ug/L	100
9) Trichlorofluoromethane	1.78	101	34729	6.849 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	15661	5.543 ug/L	98
12) 1,1-Dichloroethene	2.15	96	16499	6.028 ug/L	94
13) Acetone	2.19	43	32167	14.424 ug/L	95
14) Carbon disulfide	2.32	76	79083	9.918 ug/L	99
15) Methyl Acetate	2.46	43	24905	8.387 ug/L	100
16) Methylene chloride	2.54	84	31702	10.160 ug/L	99
17) trans-1,2-Dichloroethene	2.80	96	28371	9.704 ug/L	96
18) Methyl tert-butyl Ether	2.81	73	84092	9.868 ug/L	100
19) 1,1-Dichloroethane	3.23	63	51022	9.636 ug/L	99
20) cis-1,2-Dichloroethene	3.97	96	30657	9.698 ug/L	93
22) 2-Butanone	4.02	43	35622	15.573 ug/L	77
23) Bromochloromethane	4.30	128	14433	8.443 ug/L	95
25) Chloroform	4.43	83	51895	9.283 ug/L	99
27) 1,2-Dichloroethane	5.18	62	36499	9.100 ug/L	# 93
29) Cyclohexane	4.73	56	47107	10.288 ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	42049	9.111 ug/L	99
31) Carbon tetrachloride	4.87	117	35708	8.726 ug/L	99
33) Benzene	5.15	78	118376	10.244 ug/L	100
34) Trichloroethene	5.96	95	29071	9.472 ug/L	99
35) Methylcyclohexane	6.18	83	47611	10.159 ug/L	98
37) 1,2-Dichloropropane	6.22	63	28577	10.147 ug/L	100
38) Bromodichloromethane	6.55	83	38699	9.746 ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	45468	10.083 ug/L	97
40) 4-Methyl-2-pentanone	7.28	43	70169	19.313 ug/L	# 93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	122085	10.210	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	40983	10.130	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	27756	10.001	ug/L	98
46) Tetrachloroethene	8.02	164	21790	8.167	ug/L	95
48) 2-Hexanone	8.20	43	54723	18.663	ug/L	98
49) Dibromochloromethane	8.29	129	29645	8.880	ug/L	98
50) 1,2-Dibromoethane	8.39	107	29391	9.682	ug/L #	97
51) Chlorobenzene	8.92	112	77723	9.512	ug/L	97
52) Ethylbenzene	9.05	91	136732	10.339	ug/L	99
53) m,p-Xylene	9.18	106	50498	9.954	ug/L	98
54) o-xylene	9.58	106	50442	10.271	ug/L	96
55) Styrene	9.60	104	83681	9.954	ug/L	100
56) Isopropylbenzene	9.97	105	128547	9.932	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	45080	10.126	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	35490	9.625	ug/L	100
61) Bromoform	9.77	173	18839	8.278	ug/L	98
62) 1,3-Dichlorobenzene	11.22	146	58242	9.410	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	62302	9.745	ug/L	98
65) 1,2-Dichlorobenzene	11.68	146	57947	9.368	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	8897	10.074	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	38671	7.893	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	34406	7.711	ug/L	98
69) Naphthalene	13.55	128	109587	9.090	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	33880	7.416	ug/L	99

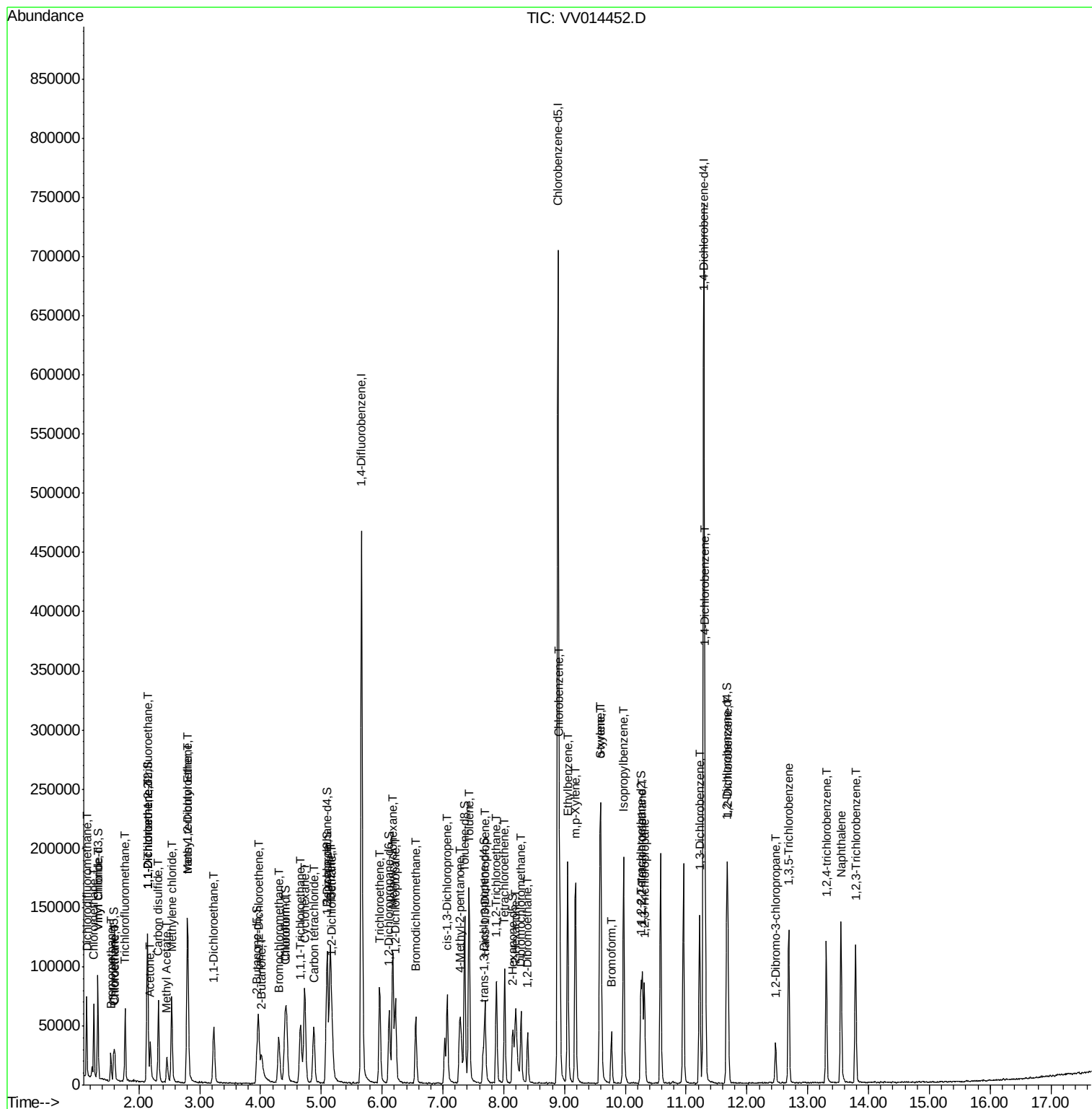
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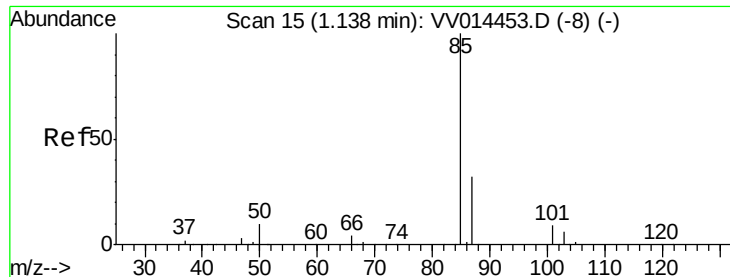
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#2

Dichlorodifluoromethane

Concen: 9.832 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV014452.D

Acq: 31 Jan 2020 14:36

Instrument :

MSVOA_V

ClientSampleId :

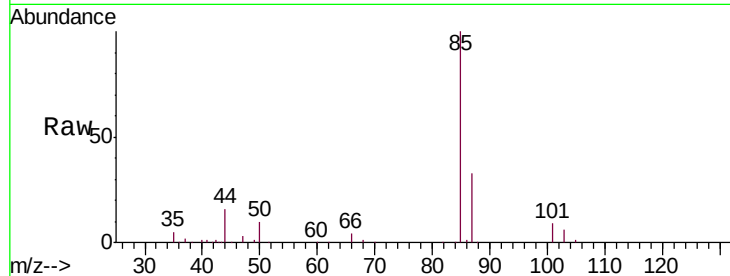
VSTD01066

Tgt Ion: 85 Resp: 35975

Ion Ratio Lower Upper

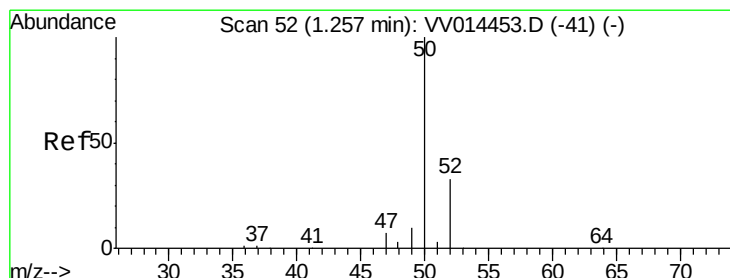
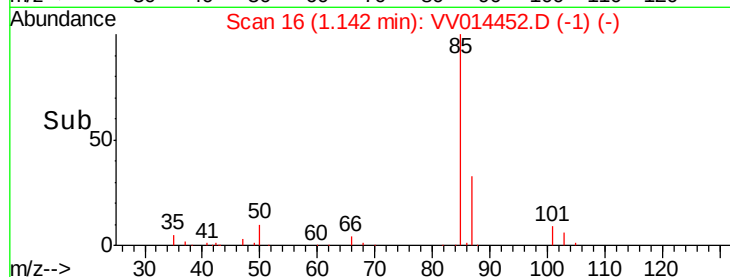
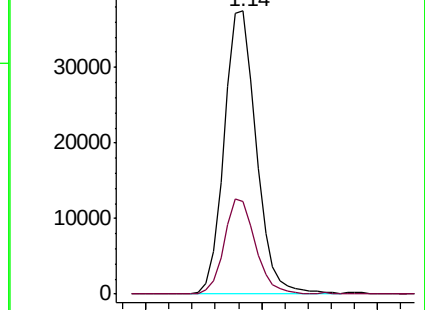
85 100

87 32.8 25.6 38.4



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

Ion 87.00 (86.70 to 87.70): VV014453.D (-8) (-)



#3

Chloromethane

Concen: 10.977 ug/L

RT: 1.26 min Scan# 52

Delta R.T. 0.00 min

Lab File: VV014452.D

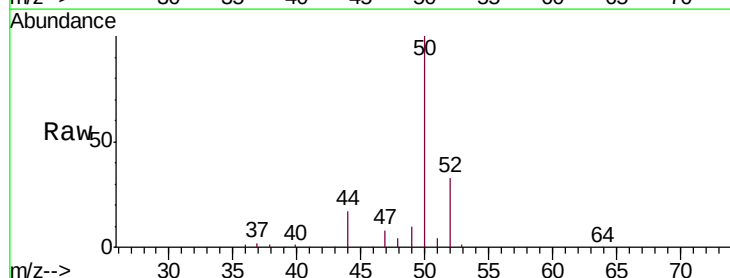
Acq: 31 Jan 2020 14:36

Tgt Ion: 50 Resp: 37871

Ion Ratio Lower Upper

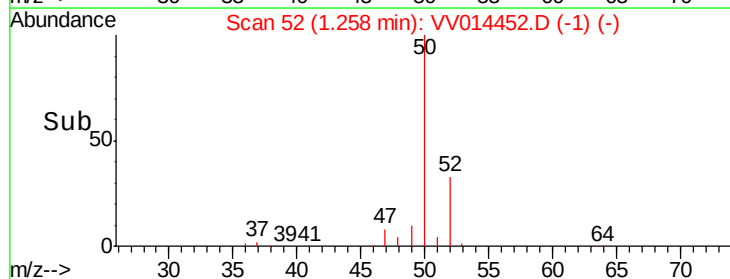
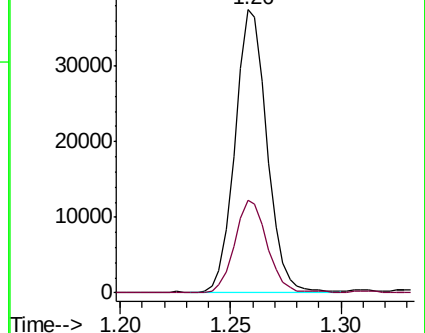
50 100

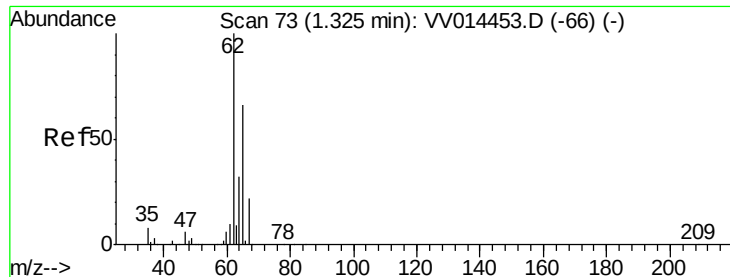
52 32.6 22.8 42.4



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

Ion 52.00 (51.70 to 52.70): VV014453.D (-41) (-)





#5

Vinyl chloride

Concen: 8.656 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VV014452.D

Acq: 31 Jan 2020 14:36

Instrument :

MSVOA_V

ClientSampleId :

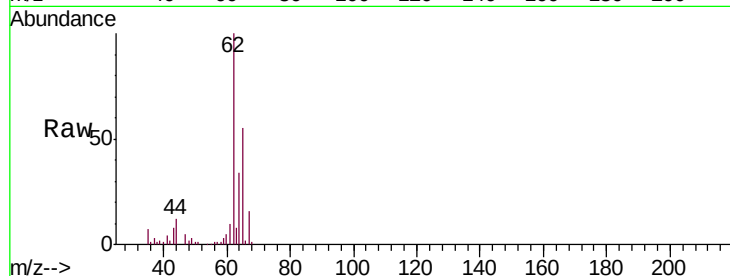
VSTD01066

Tgt Ion: 62 Resp: 29551

Ion Ratio Lower Upper

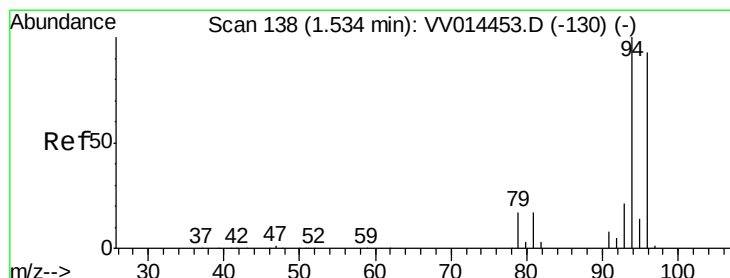
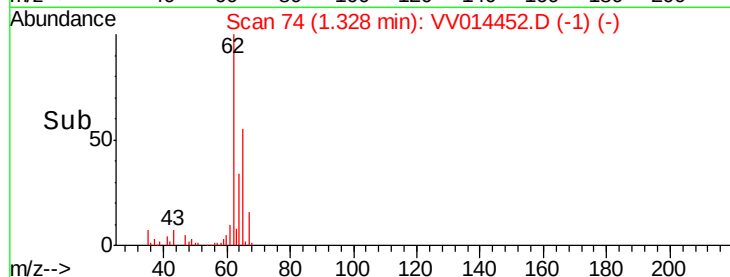
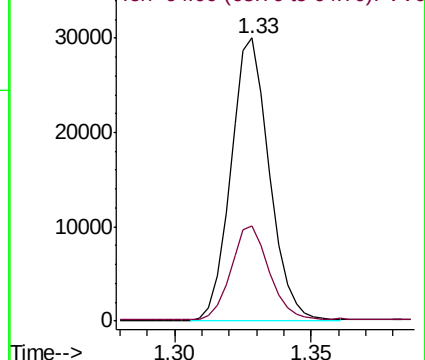
62 100

64 33.5 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 5.175 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV014452.D

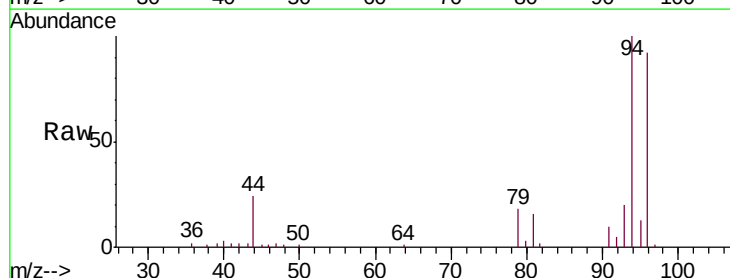
Acq: 31 Jan 2020 14:36

Tgt Ion: 94 Resp: 9855

Ion Ratio Lower Upper

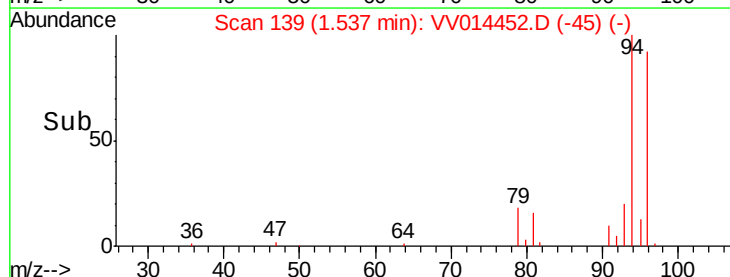
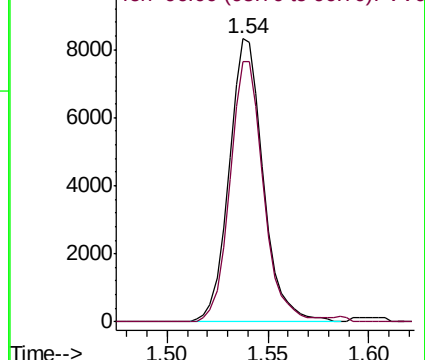
94 100

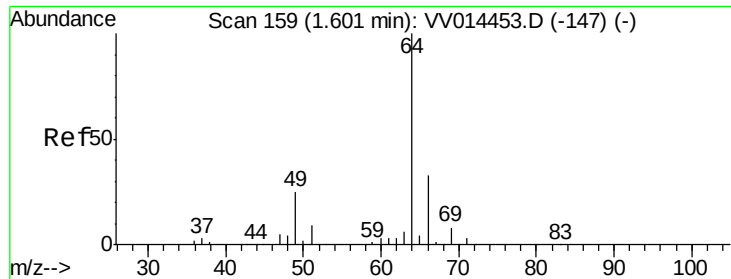
96 92.0 65.0 120.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

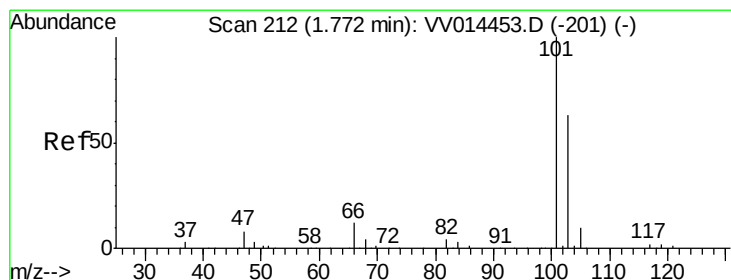
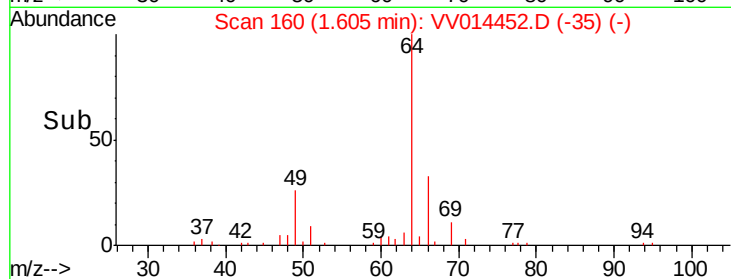
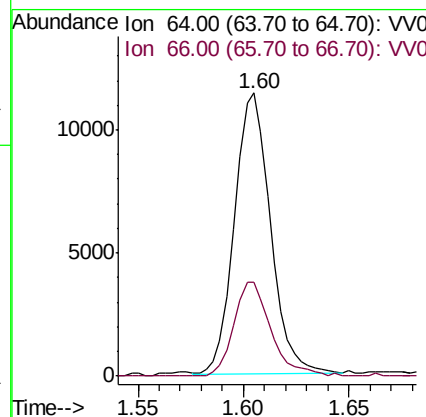
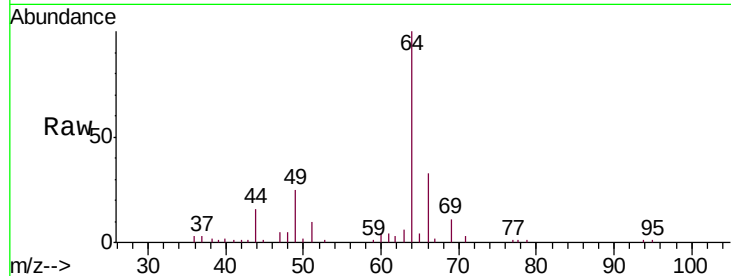




#8
Chloroethane
Concen: 6.300 ug/L
RT: 1.60 min Scan# 160
Delta R.T. 0.00 min
Lab File: VV014452.D
Acq: 31 Jan 2020 14:36

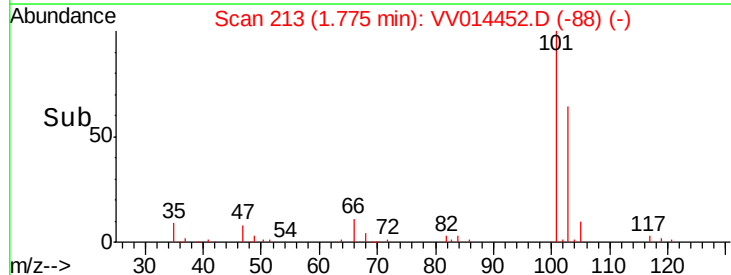
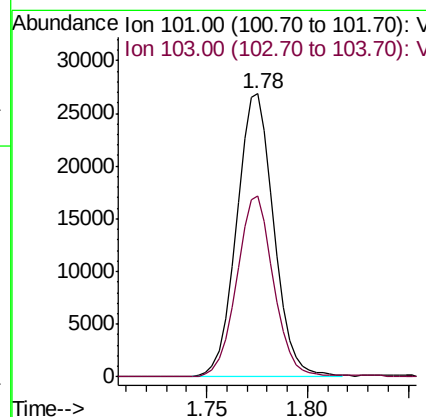
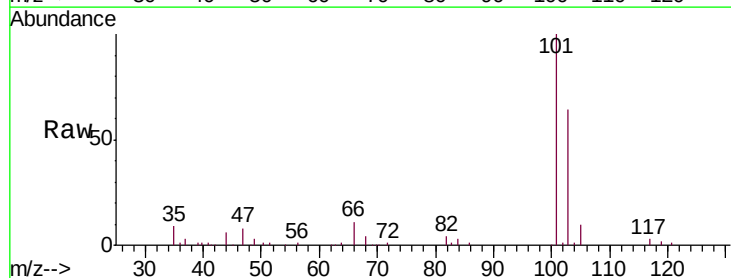
Instrument :
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ClientSampleId :
VSTD01066

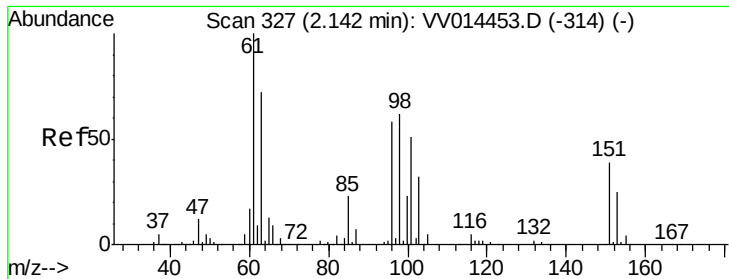
Tgt Ion: 64 Resp: 13473
Ion Ratio Lower Upper
64 100
66 33.2 23.0 42.8



#9
Trichlorofluoromethane
Concen: 6.849 ug/L
RT: 1.78 min Scan# 213
Delta R.T. 0.00 min
Lab File: VV014452.D
Acq: 31 Jan 2020 14:36

Tgt Ion: 101 Resp: 34729
Ion Ratio Lower Upper
101 100
103 63.1 50.6 75.8





#10

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

Concen: 5.543 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV014452.D

Acq: 31 Jan 2020 14:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD01066

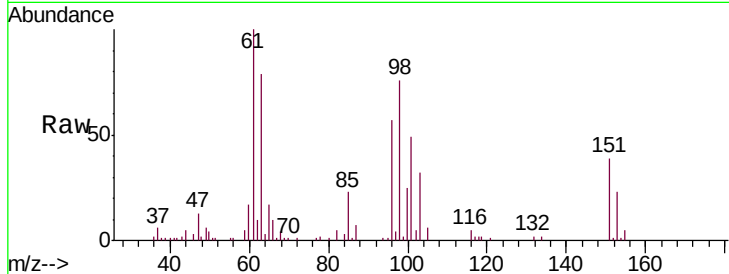
Tgt Ion: 101 Resp: 15661

Ion Ratio Lower Upper

101 100

85 46.3 34.6 51.8

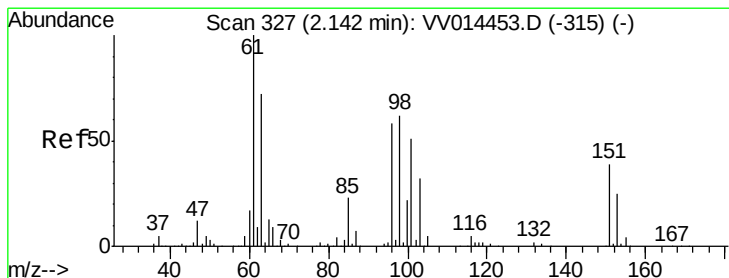
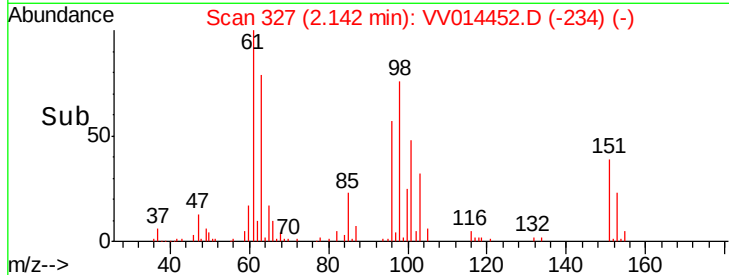
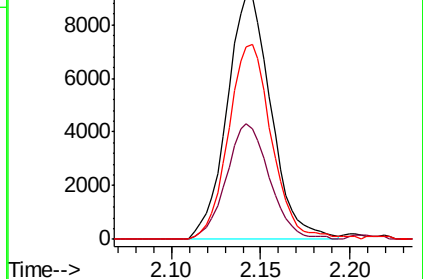
151 76.7 61.2 91.8



Abundance Ion 101.00 (100.70 to 101.70): VV014453.D (-314) (-)

Ion 85.00 (84.70 to 85.70): VV014453.D (-314) (-)

Ion 151.00 (150.70 to 151.70): VV014453.D (-314) (-)



#12

1,1-Dichloroethene

Concen: 6.028 ug/L

RT: 2.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV014452.D

Acq: 31 Jan 2020 14:36

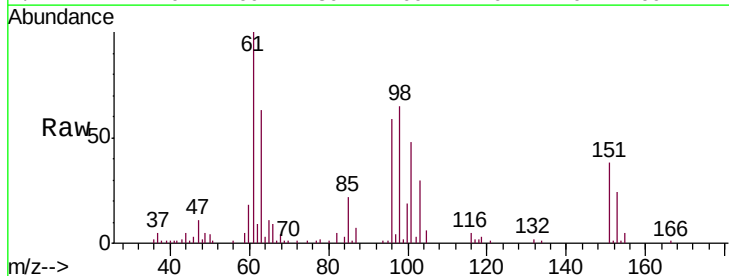
Tgt Ion: 96 Resp: 16499

Ion Ratio Lower Upper

96 100

61 170.9 120.5 223.7

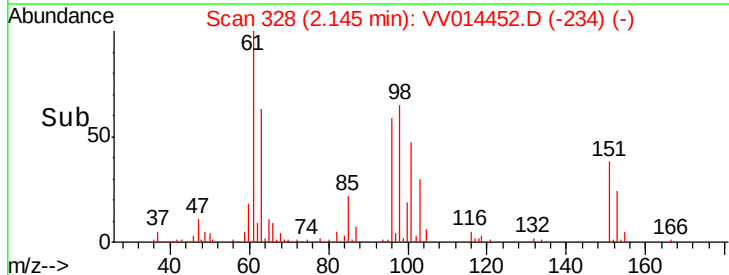
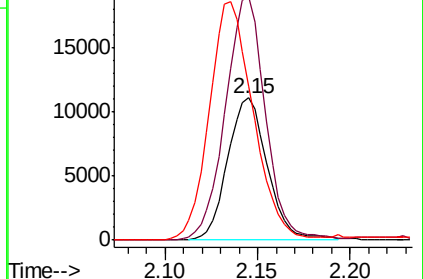
63 108.2 87.1 161.7

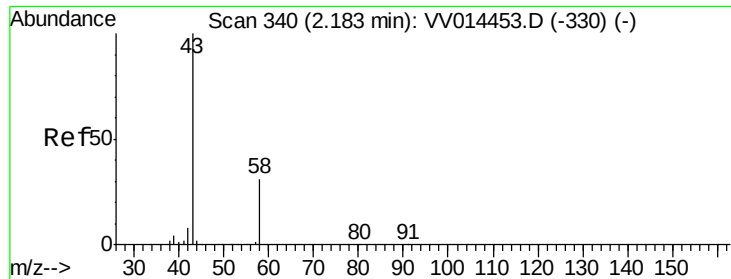


Abundance Ion 96.00 (95.70 to 96.70): VV014452.D (-234) (-)

Ion 61.00 (60.70 to 61.70): VV014452.D (-234) (-)

Ion 63.00 (62.70 to 63.70): VV014452.D (-234) (-)





#13

Acetone

Concen: 14.424 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV014452.D

Acq: 31 Jan 2020 14:36

Instrument :

MSVOA_V

ClientSampleId :

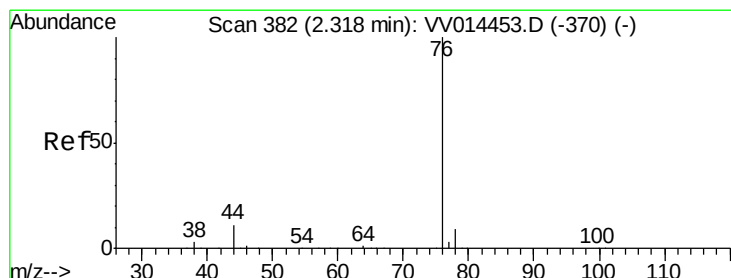
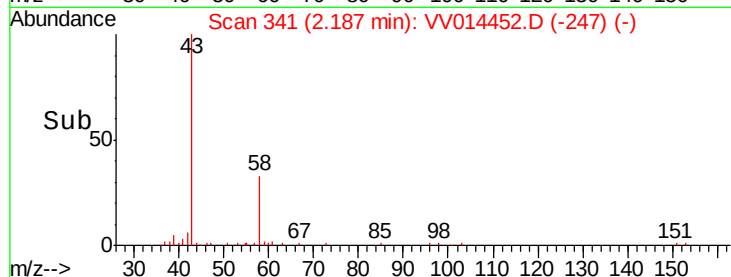
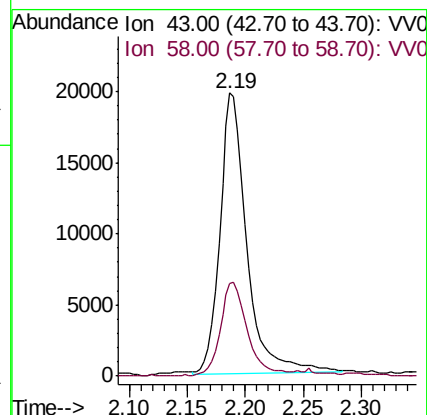
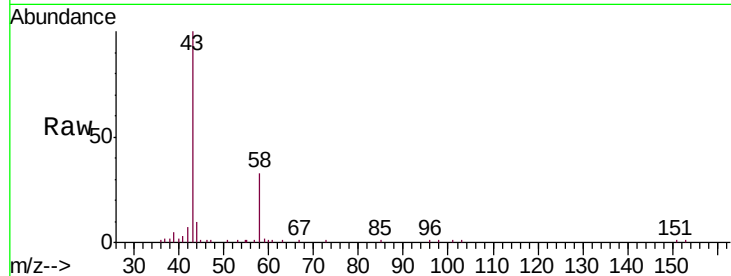
VSTD01066

Tgt Ion: 43 Resp: 32167

Ion Ratio Lower Upper

43 100

58 33.2 0.0 61.2



#14

Carbon disulfide

Concen: 9.918 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VV014452.D

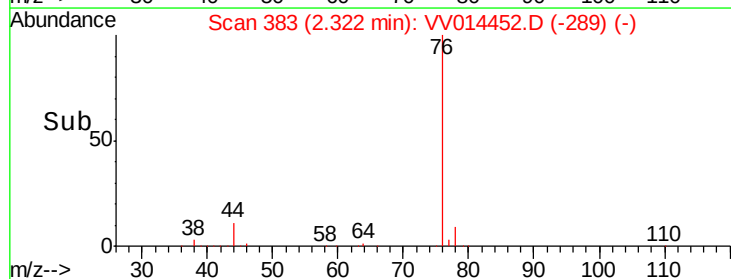
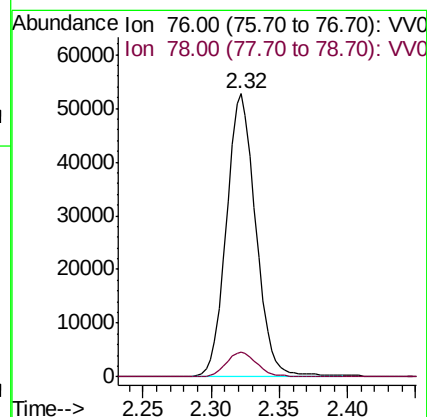
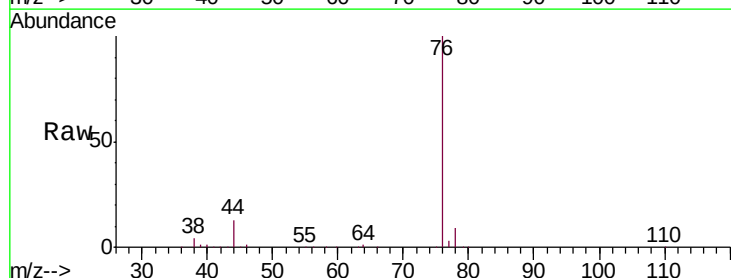
Acq: 31 Jan 2020 14:36

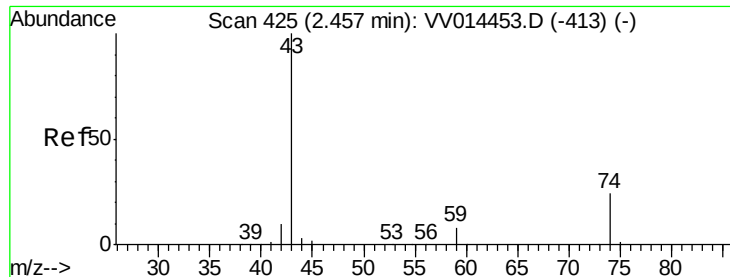
Tgt Ion: 76 Resp: 79083

Ion Ratio Lower Upper

76 100

78 8.7 7.2 10.8

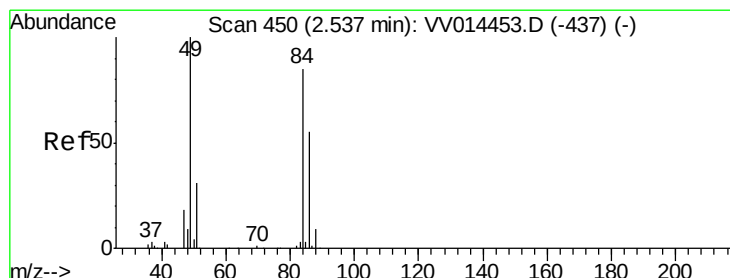
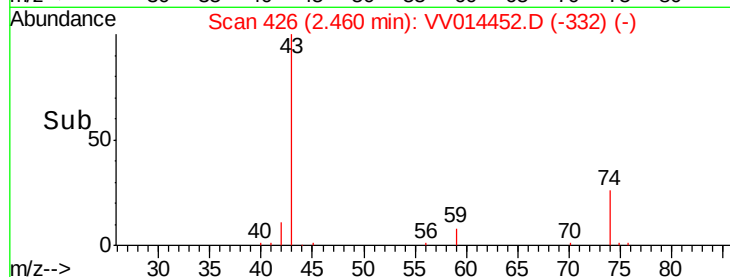
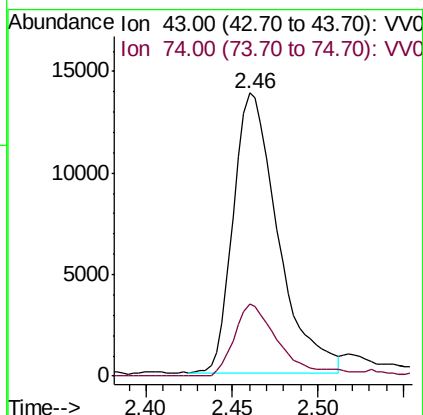
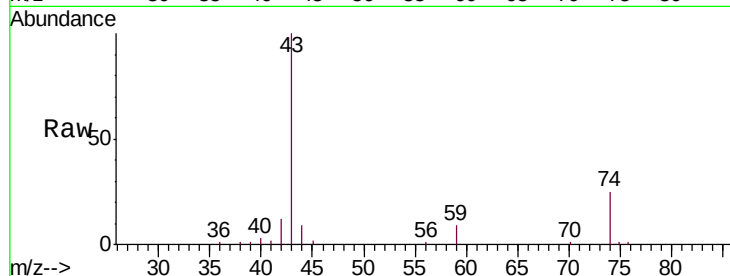




#15
Methyl Acetate
Concen: 8.387 ug/L
RT: 2.46 min Scan# 426
Delta R.T. 0.00 min
Lab File: VV014452.D
Acq: 31 Jan 2020 14:36

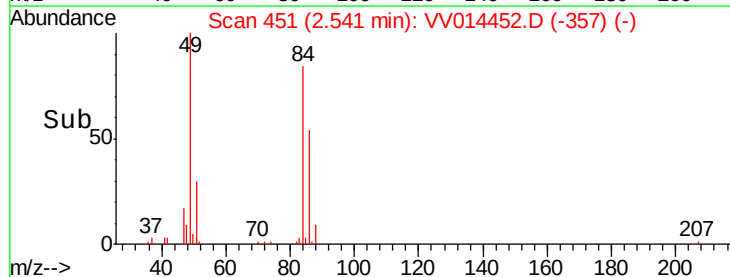
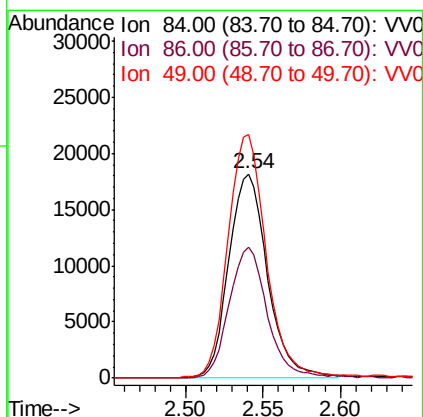
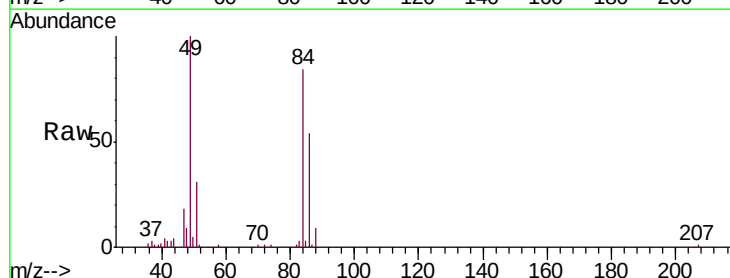
Instrument :
MSVOA_V
ClientSampleId :
VSTD01066

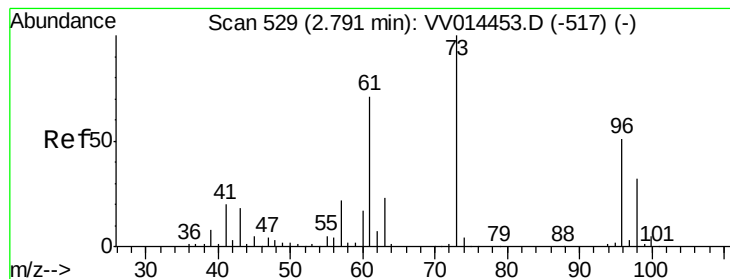
Tgt Ion: 43 Resp: 24905
Ion Ratio Lower Upper
43 100
74 24.5 19.6 29.4



#16
Methylene chloride
Concen: 10.160 ug/L
RT: 2.54 min Scan# 451
Delta R.T. 0.00 min
Lab File: VV014452.D
Acq: 31 Jan 2020 14:36

Tgt Ion: 84 Resp: 31702
Ion Ratio Lower Upper
84 100
86 64.2 45.6 84.8
49 119.1 82.7 153.7





#17

trans-1,2-Dichloroethene

Concen: 9.704 ug/L

RT: 2.80 min Scan# 531

Delta R.T. 0.01 min

Lab File: VV014452.D

Acq: 31 Jan 2020 14:36

Instrument :

MSVOA_V

ClientSampled :

VSTD01066

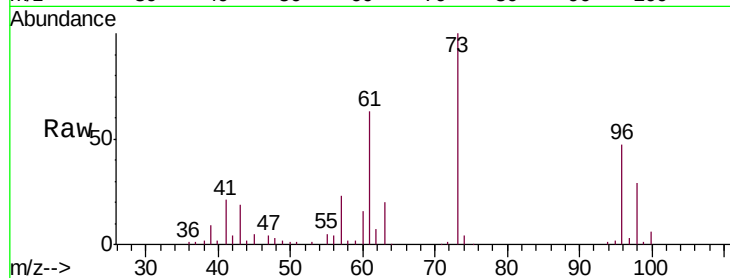
Tgt Ion: 96 Resp: 28371

Ion Ratio Lower Upper

96 100

61 132.2 96.7 179.7

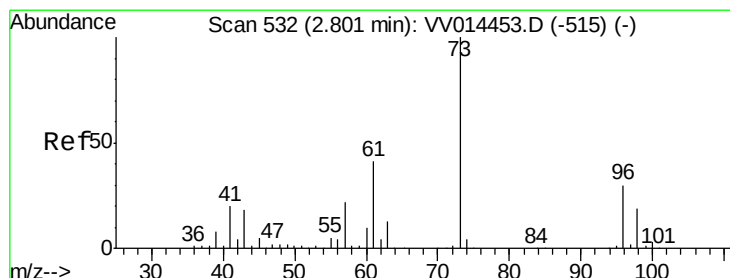
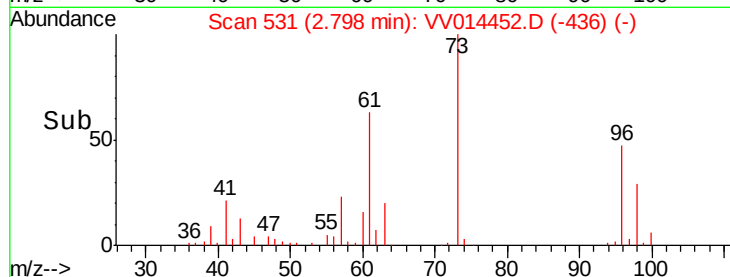
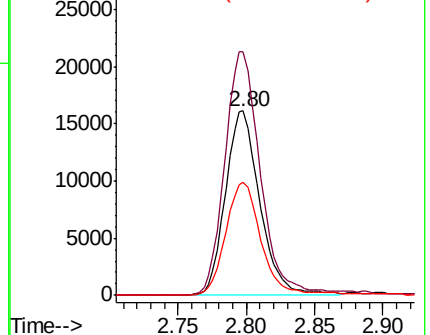
98 61.7 44.1 81.9



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: 9.868 ug/L

RT: 2.81 min Scan# 534

Delta R.T. 0.01 min

Lab File: VV014452.D

Acq: 31 Jan 2020 14:36

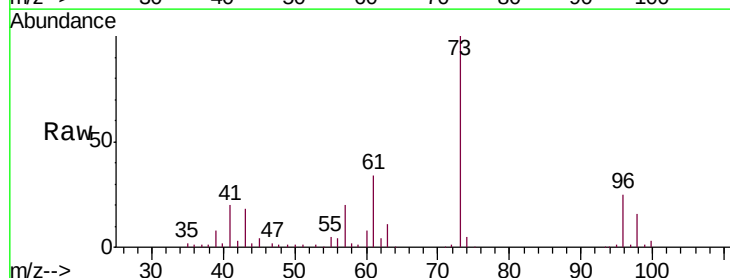
Tgt Ion: 73 Resp: 84092

Ion Ratio Lower Upper

73 100

43 17.6 14.1 21.1

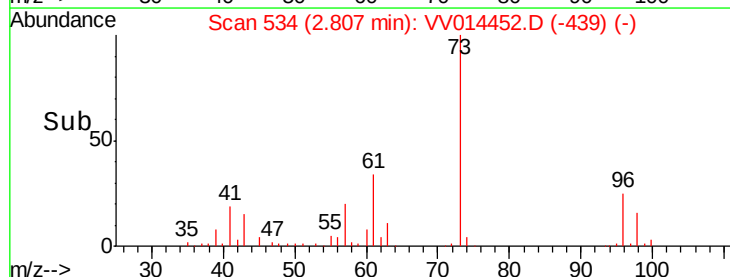
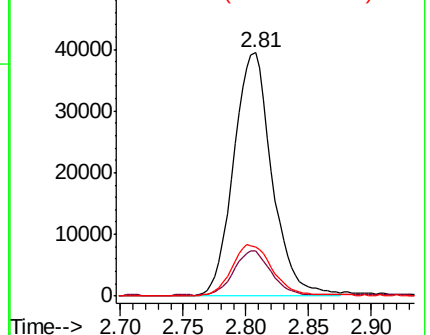
57 22.3 17.9 26.9

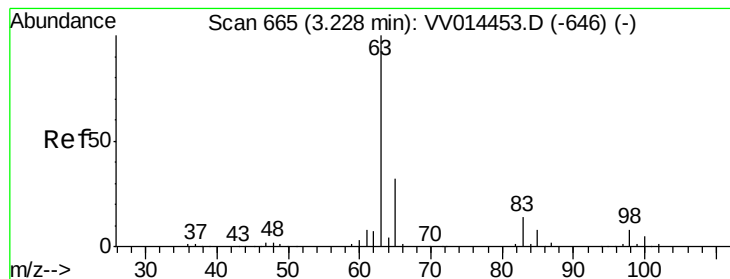


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 9.636 ug/L

RT: 3.23 min Scan# 666

Delta R.T. 0.00 min

Lab File: VV014452.D

Acq: 31 Jan 2020 14:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD01066

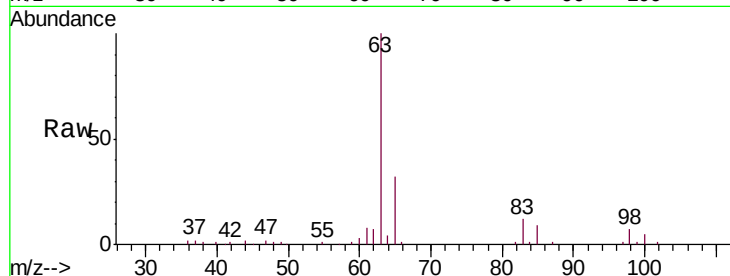
Tgt Ion: 63 Resp: 51022

Ion Ratio Lower Upper

63 100

65 32.0 22.1 41.1

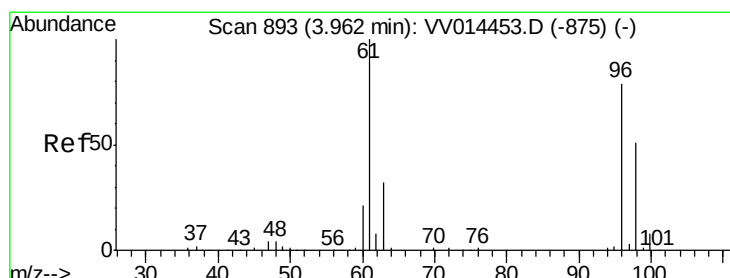
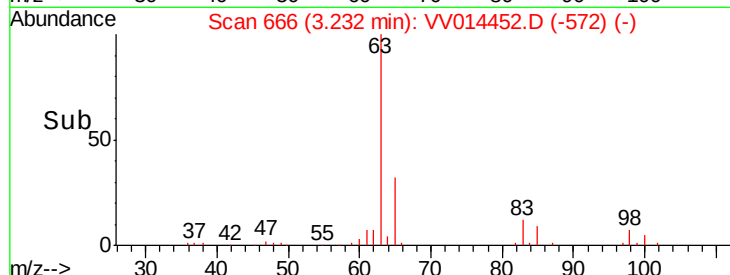
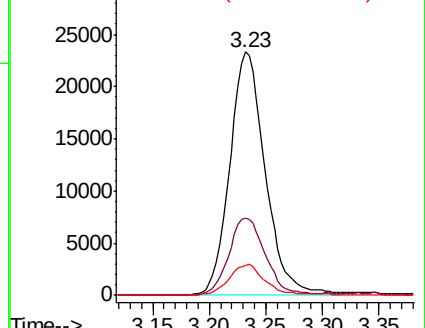
83 12.3 9.4 17.6



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: 9.698 ug/L

RT: 3.97 min Scan# 895

Delta R.T. 0.01 min

Lab File: VV014452.D

Acq: 31 Jan 2020 14:36

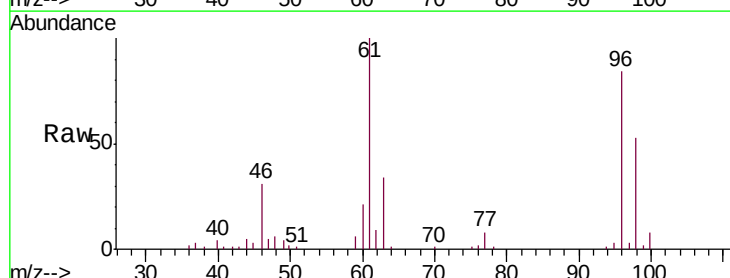
Tgt Ion: 96 Resp: 30657

Ion Ratio Lower Upper

96 100

61 119.0 88.9 165.1

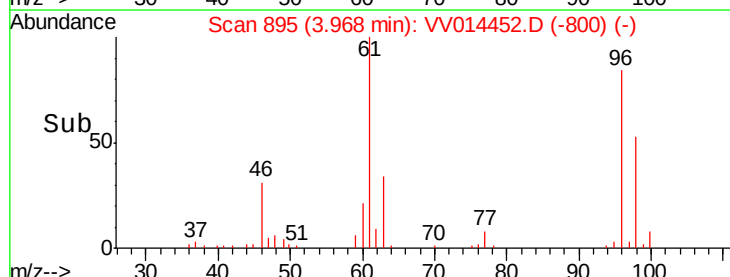
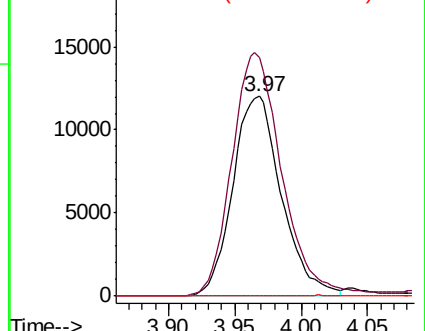
68 0.0 0.0 0.0

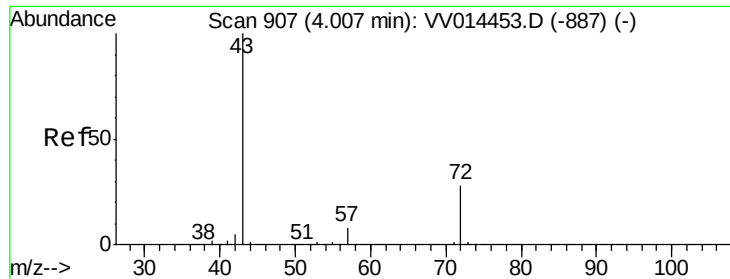


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 15.573 ug/L

RT: 4.02 min Scan# 912

Delta R.T. 0.02 min

Lab File: VV014452.D

Acq: 31 Jan 2020 14:36

Instrument :

MSVOA_V

ClientSampleId :

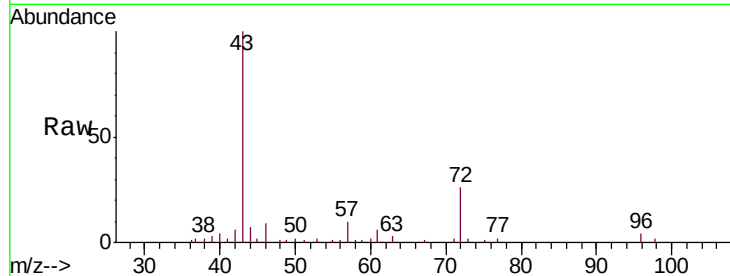
VSTD01066

Tgt Ion: 43 Resp: 35622

Ion Ratio Lower Upper

43 100

72 15.2 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) (-)

4.02

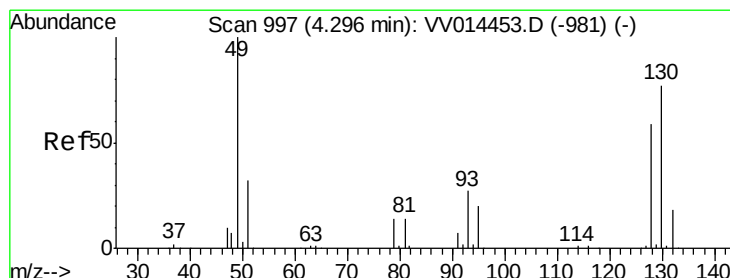
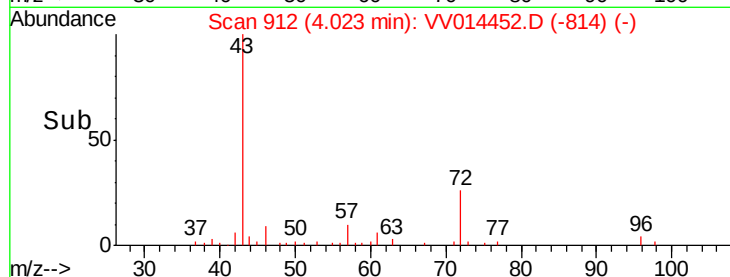
10000

5000

0

3.95 4.00 4.05 4.10

Time-->



#23

Bromochloromethane

Concen: 8.443 ug/L

RT: 4.30 min Scan# 999

Delta R.T. 0.01 min

Lab File: VV014452.D

Acq: 31 Jan 2020 14:36

Tgt Ion: 128 Resp: 14433

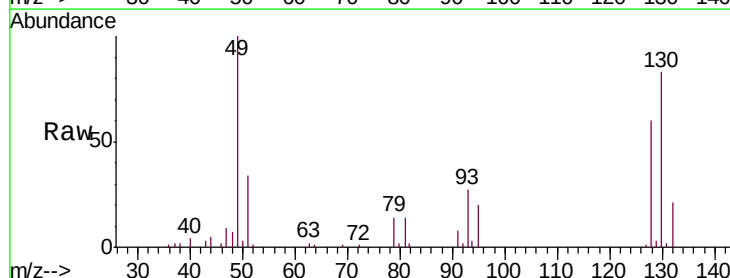
Ion Ratio Lower Upper

128 100

49 165.6 118.8 220.6

130 138.0 90.7 168.5

51 55.5 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) (-)

4.30

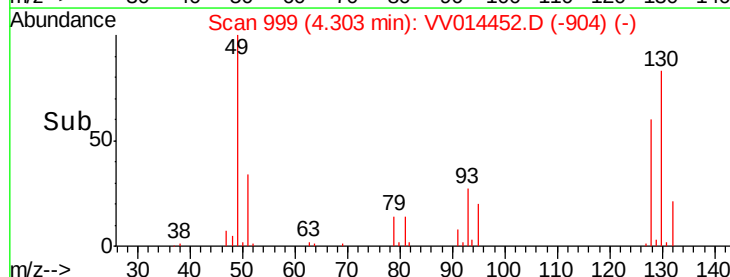
10000

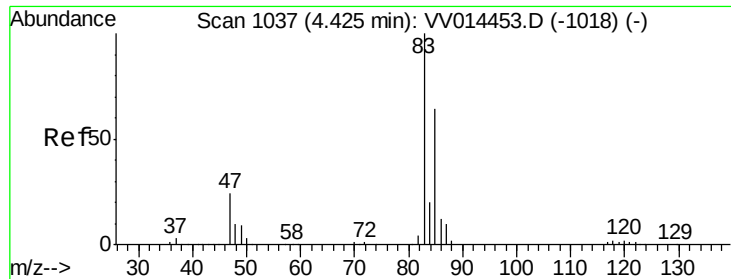
5000

0

4.25 4.30 4.35 4.40

Time-->

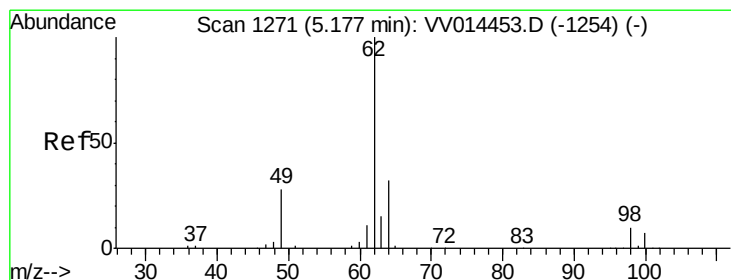
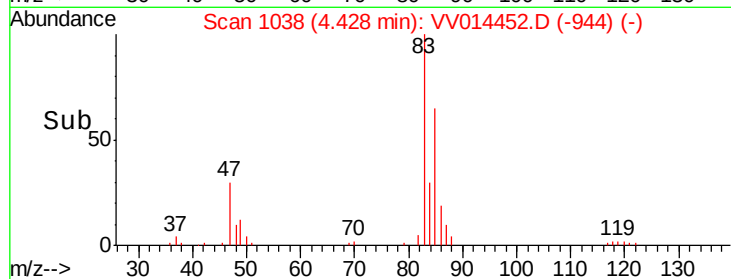
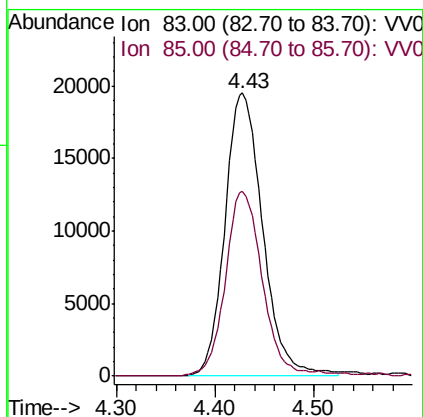
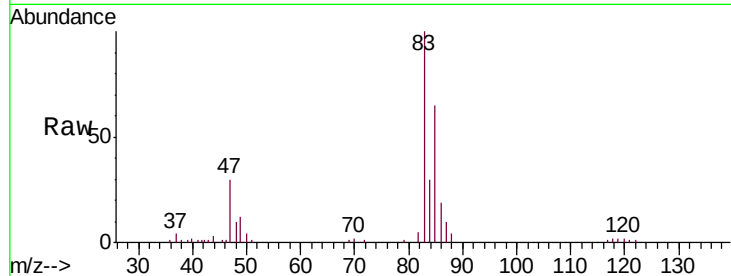




#25
Chloroform
Concen: 9.283 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV014452.D
Acq: 31 Jan 2020 14:36

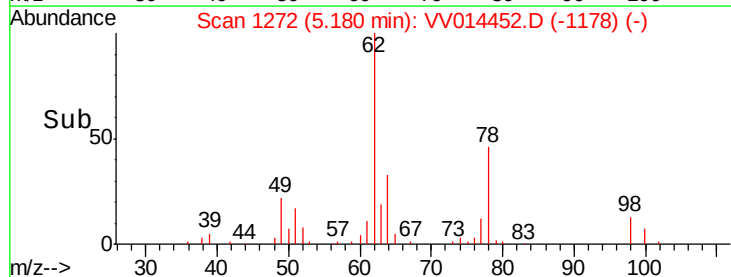
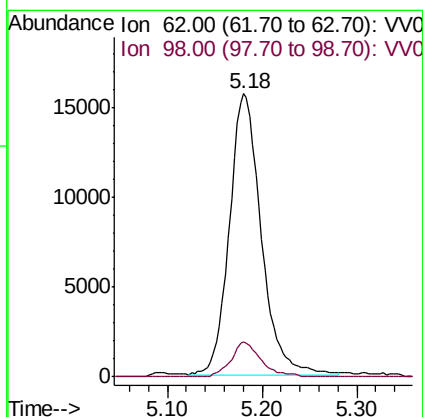
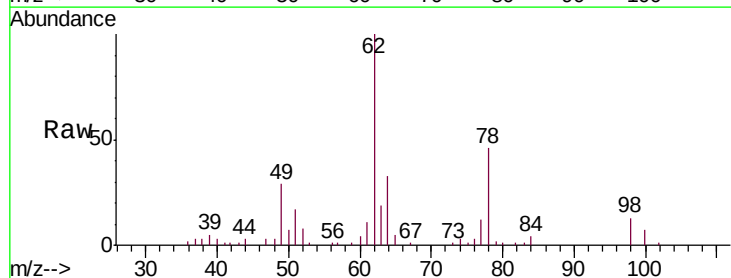
Instrument :
MSVOA_V
ClientSampleId :
VSTD01066

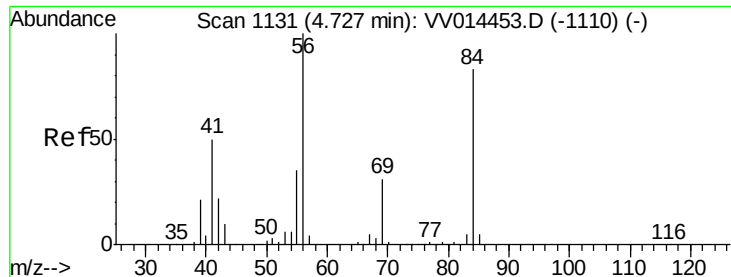
Tgt Ion: 83 Resp: 51895
Ion Ratio Lower Upper
83 100
85 65.2 45.1 83.7



#27
1,2-Dichloroethane
Concen: 9.100 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV014452.D
Acq: 31 Jan 2020 14:36

Tgt Ion: 62 Resp: 36499
Ion Ratio Lower Upper
62 100
98 12.6 8.0 12.0#

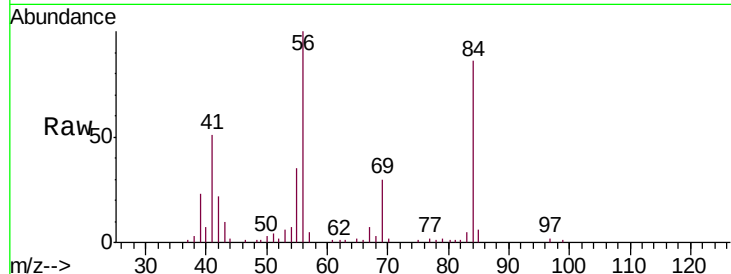




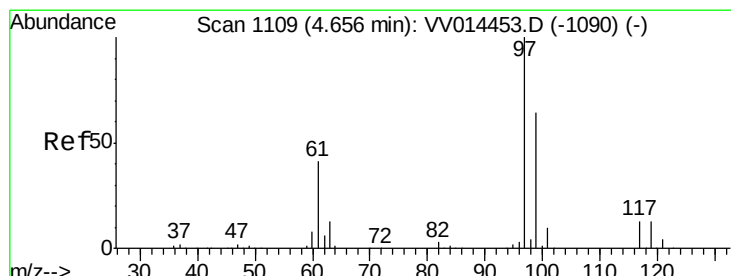
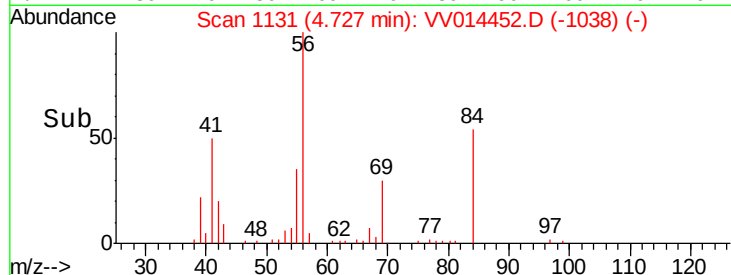
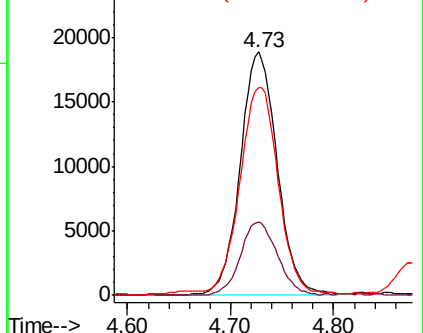
#29
Cyclohexane
Concen: 10.288 ug/L
RT: 4.73 min Scan# 1131
Delta R.T. 0.00 min
Lab File: VV014452.D
Acq: 31 Jan 2020 14:36

Instrument :
MSVOA_V
ClientSampleId :
VSTD01066

Tgt Ion: 56 Resp: 47107
Ion Ratio Lower Upper
56 100
69 30.1 24.9 37.3
84 85.9 68.6 103.0

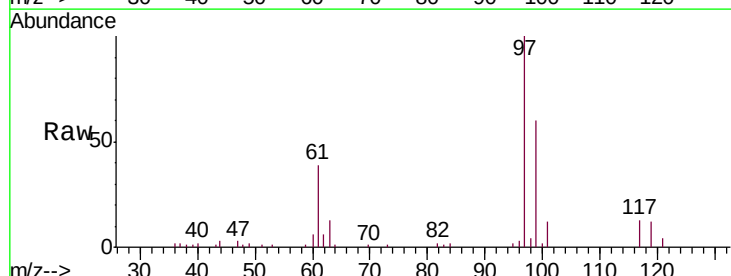


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

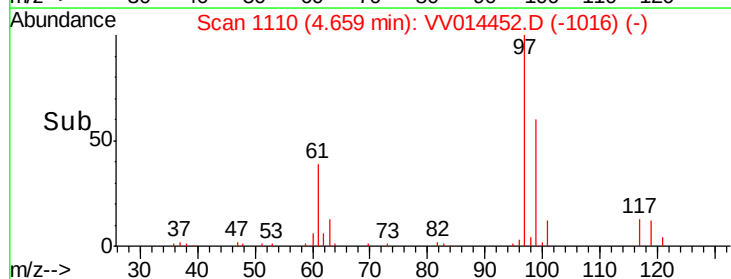
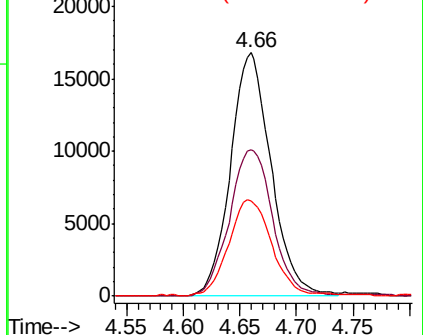


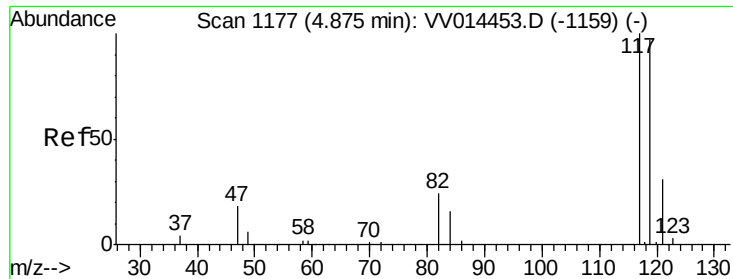
#30
1,1,1-Trichloroethane
Concen: 9.111 ug/L
RT: 4.66 min Scan# 1110
Delta R.T. 0.00 min
Lab File: VV014452.D
Acq: 31 Jan 2020 14:36

Tgt Ion: 97 Resp: 42049
Ion Ratio Lower Upper
97 100
99 63.9 50.6 76.0
61 41.8 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: 8.726 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV014452.D

Acq: 31 Jan 2020 14:36

Instrument :

MSVOA_V

ClientSampleId :

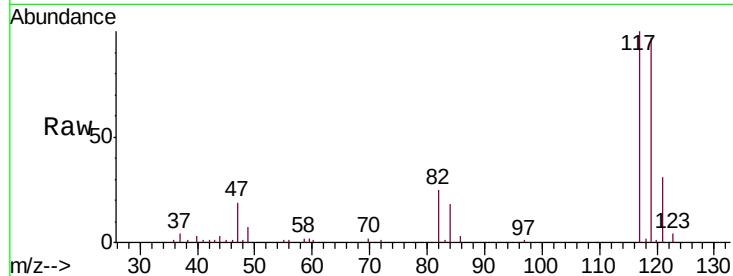
VSTD01066

Tgt Ion:117 Resp: 35708

Ion Ratio Lower Upper

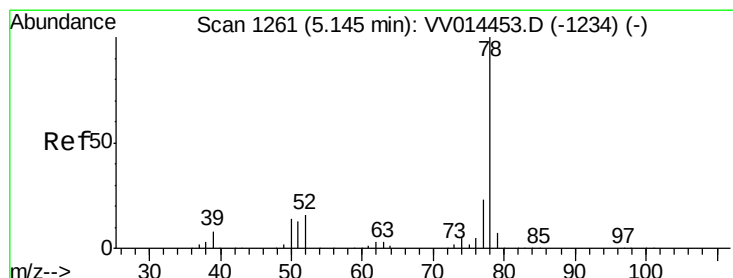
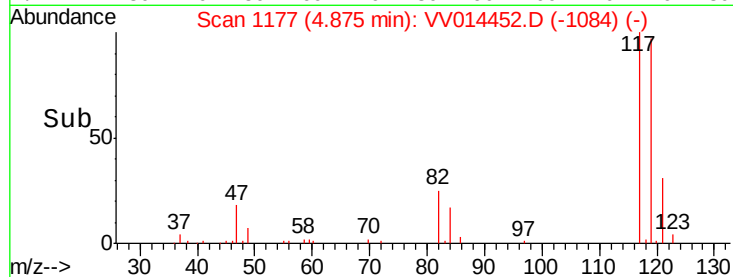
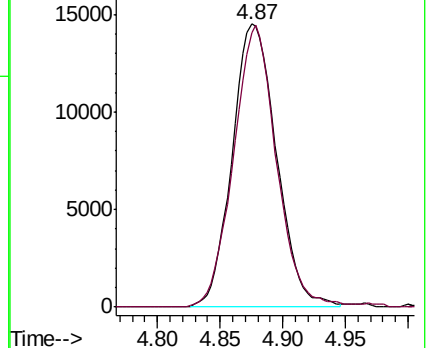
117 100

119 95.8 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: 10.244 ug/L

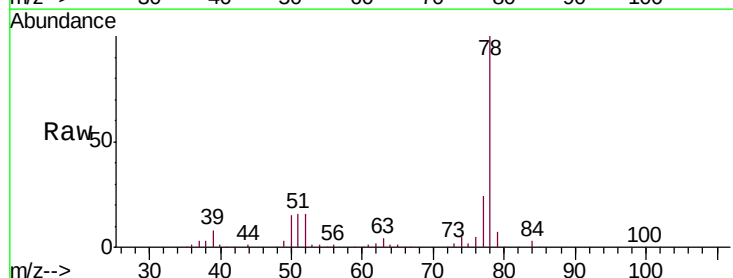
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

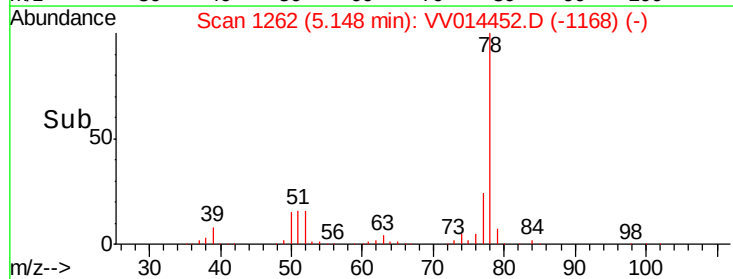
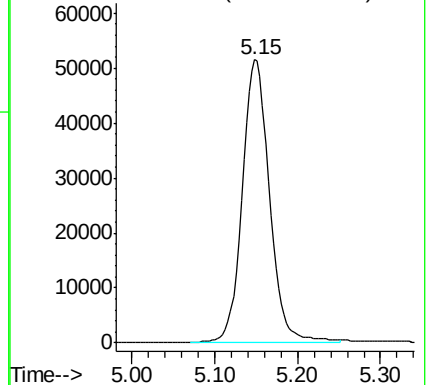
Lab File: VV014452.D

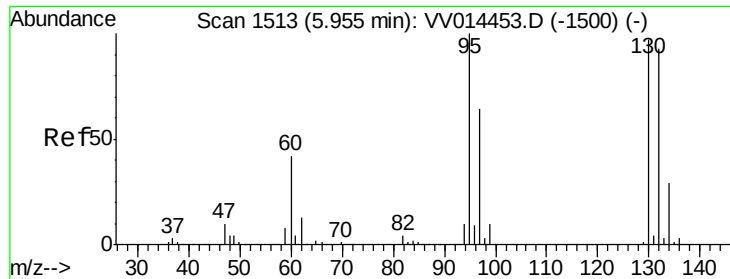
Acq: 31 Jan 2020 14:36

Tgt Ion: 78 Resp: 118376



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 9.472 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV014452.D

Acq: 31 Jan 2020 14:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD01066

Tgt Ion: 95 Resp: 29071

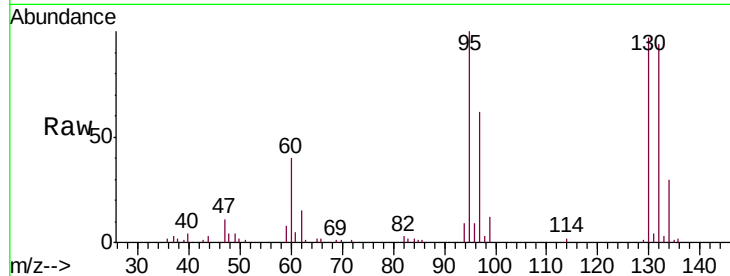
Ion Ratio Lower Upper

95 100

97 61.6 44.7 83.1

132 93.9 65.4 121.4

130 97.2 67.7 125.7

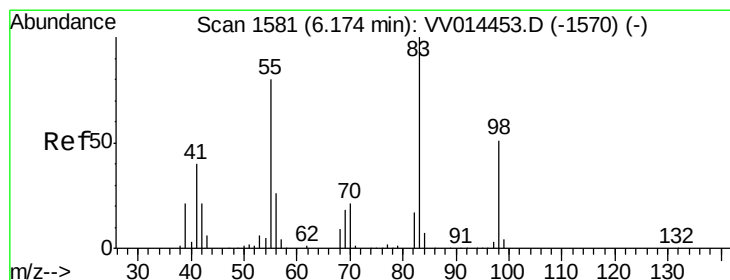
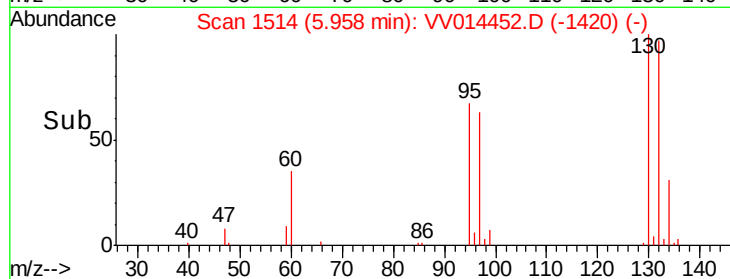
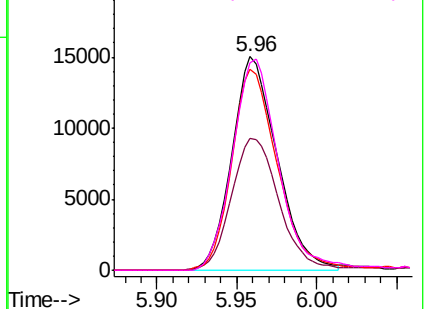


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 10.159 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV014452.D

Acq: 31 Jan 2020 14:36

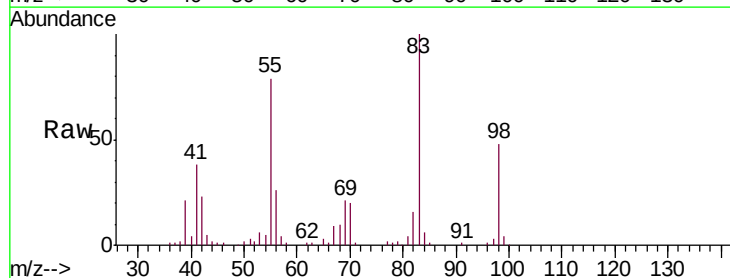
Tgt Ion: 83 Resp: 47611

Ion Ratio Lower Upper

83 100

55 78.2 60.4 90.6

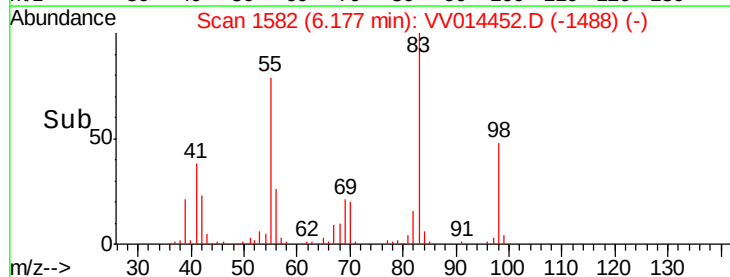
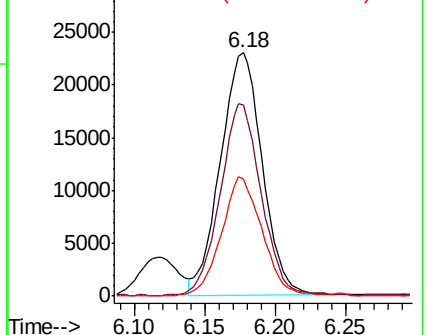
98 48.1 39.2 58.8

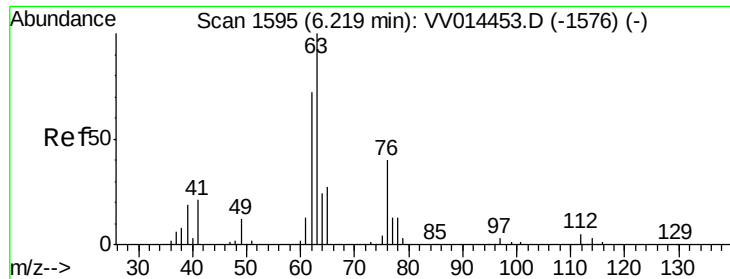


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

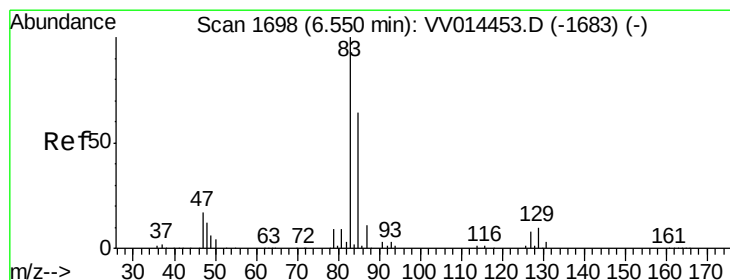
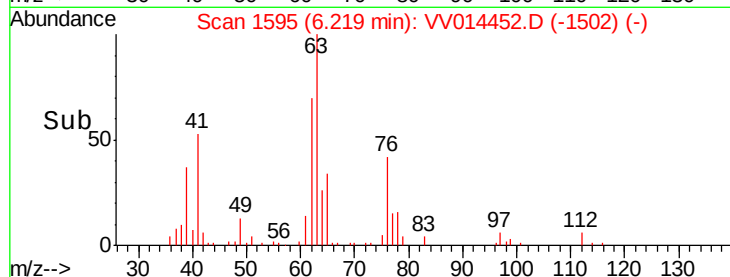
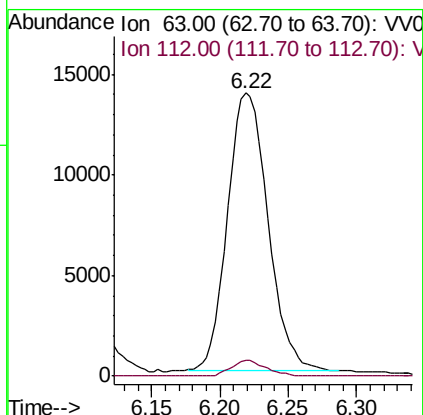
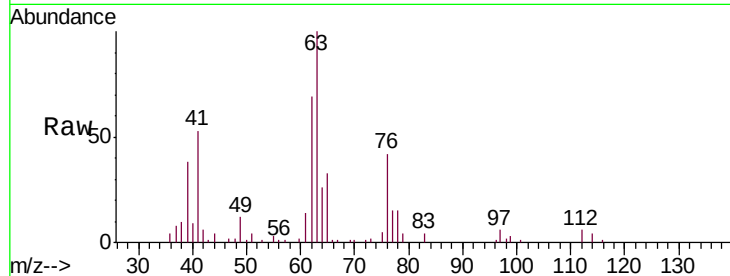




#37
 1,2-Dichloropropane
 Concen: 10.147 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV014452.D
 Acq: 31 Jan 2020 14:36

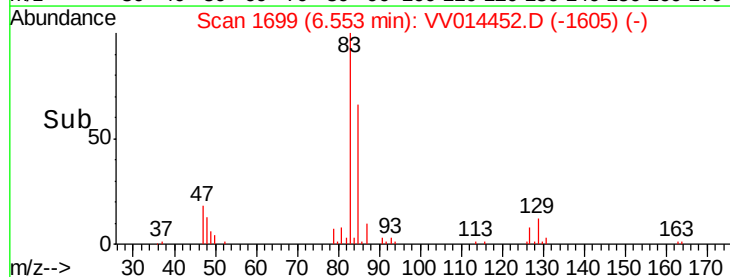
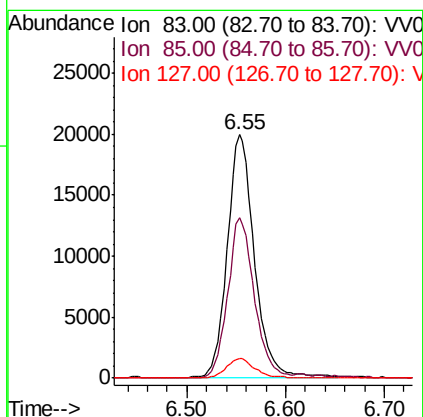
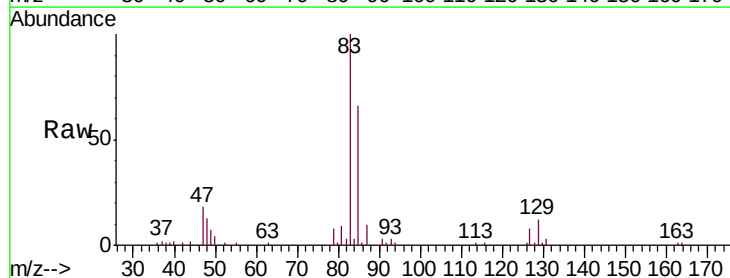
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01066

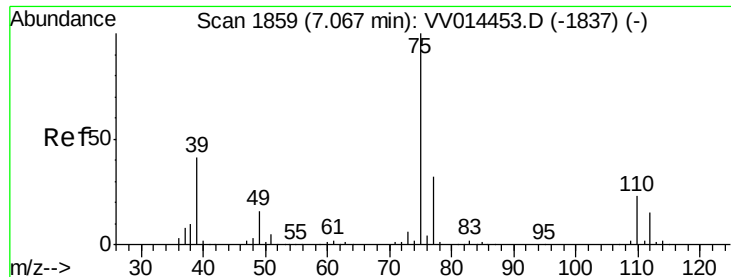
Tgt Ion: 63 Resp: 28577
 Ion Ratio Lower Upper
 63 100
 112 4.9 3.8 5.6



#38
 Bromodichloromethane
 Concen: 9.746 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV014452.D
 Acq: 31 Jan 2020 14:36

Tgt Ion: 83 Resp: 38699
 Ion Ratio Lower Upper
 83 100
 85 65.8 44.9 83.3
 127 8.2 6.3 9.5

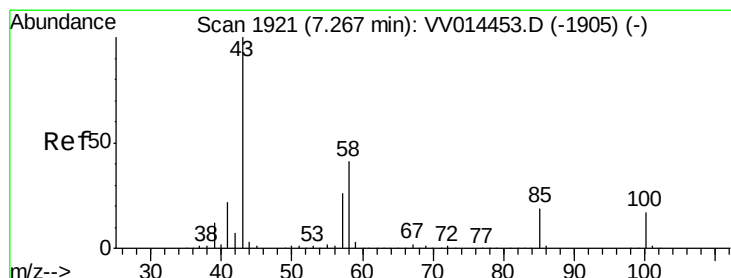
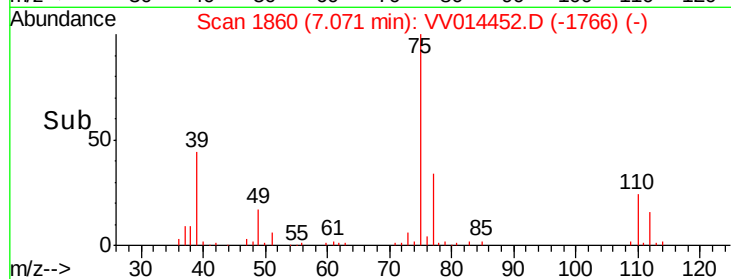
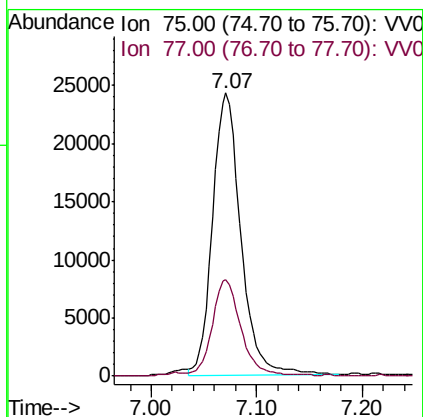
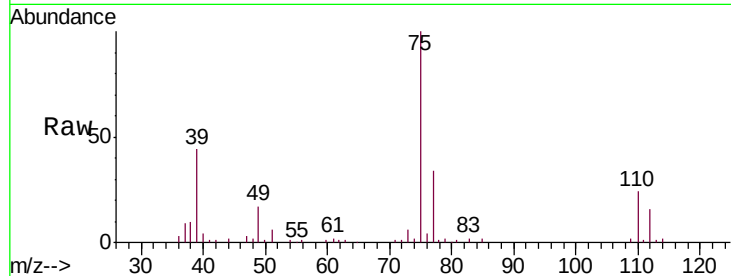




#39
 cis-1,3-Dichloropropene
 Concen: 10.083 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV014452.D
 Acq: 31 Jan 2020 14:36

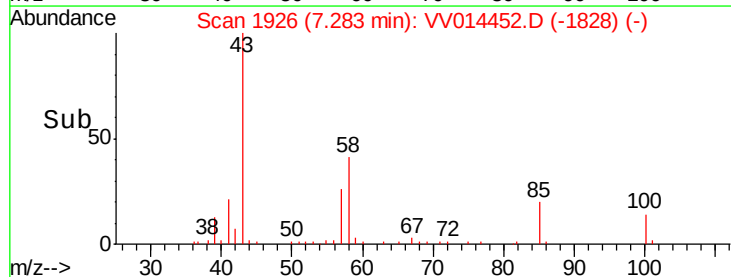
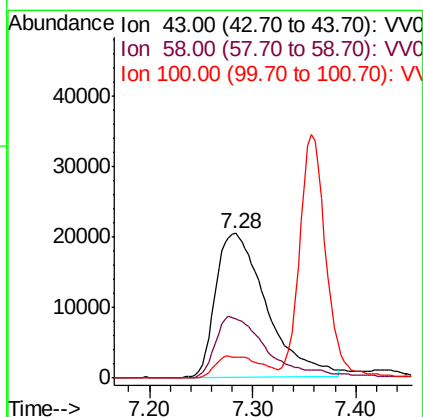
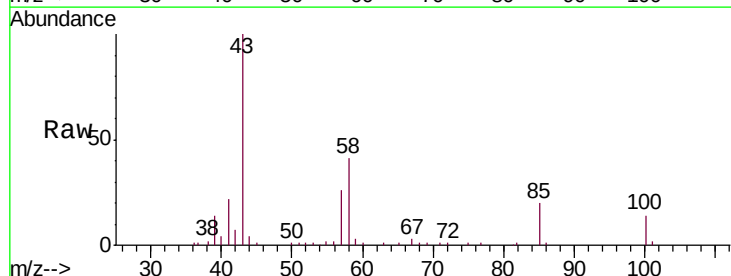
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD01066

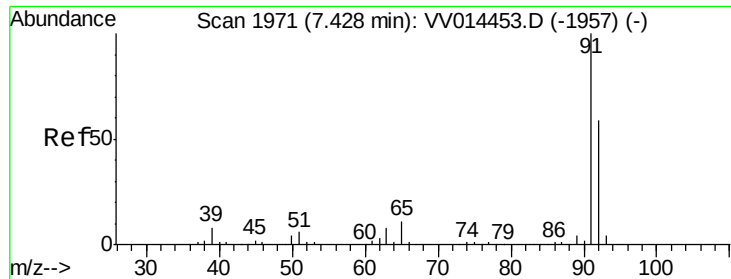
Tgt Ion: 75 Resp: 45468
 Ion Ratio Lower Upper
 75 100
 77 34.1 22.7 42.3



#40
 4-Methyl-2-pentanone
 Concen: 19.313 ug/L
 RT: 7.28 min Scan# 1926
 Delta R.T. 0.02 min
 Lab File: VV014452.D
 Acq: 31 Jan 2020 14:36

Tgt Ion: 43 Resp: 70169
 Ion Ratio Lower Upper
 43 100
 58 40.8 31.9 47.9
 100 6.2 12.2 18.4#





#42

Toluene

Concen: 10.210 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV014452.D

Acq: 31 Jan 2020 14:36

Instrument :

MSVOA_V

ClientSampleId :

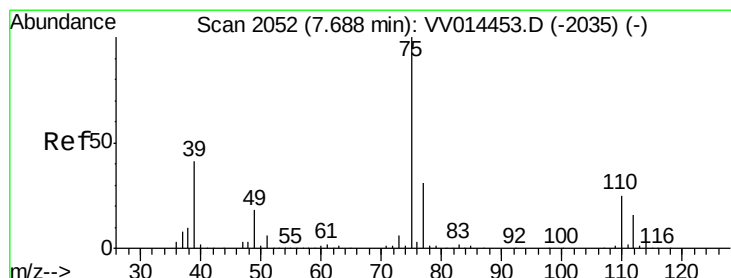
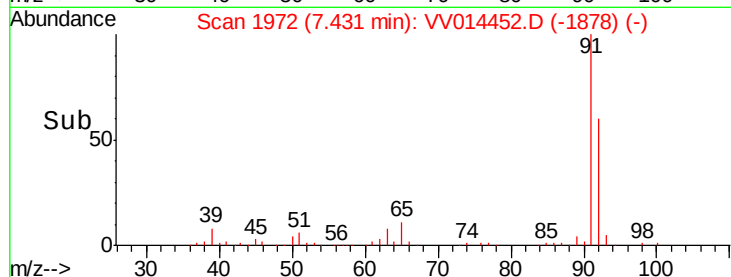
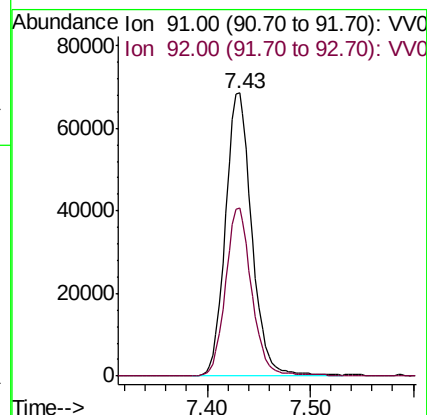
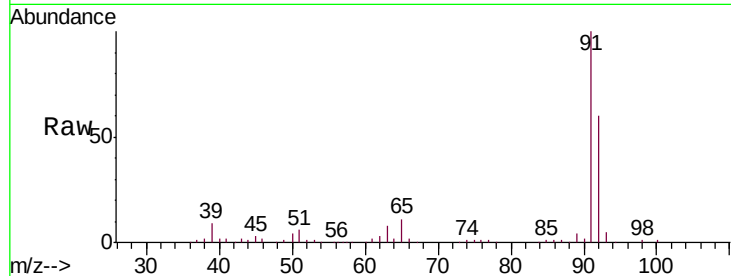
VSTD01066

Tgt Ion: 91 Resp: 122085

Ion Ratio Lower Upper

91 100

92 59.5 41.0 76.2



#44

trans-1,3-Dichloropropene

Concen: 10.130 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV014452.D

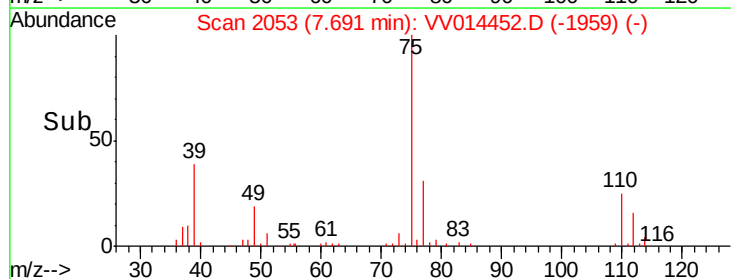
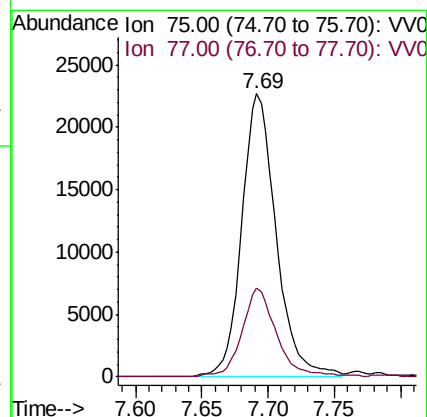
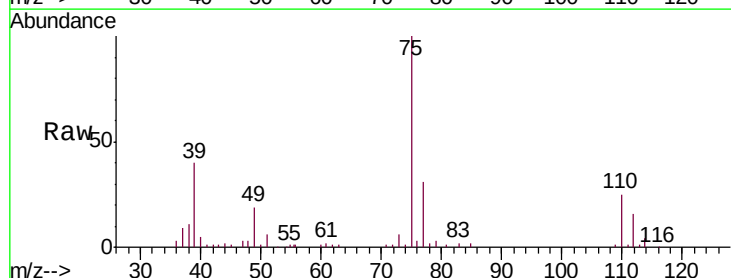
Acq: 31 Jan 2020 14:36

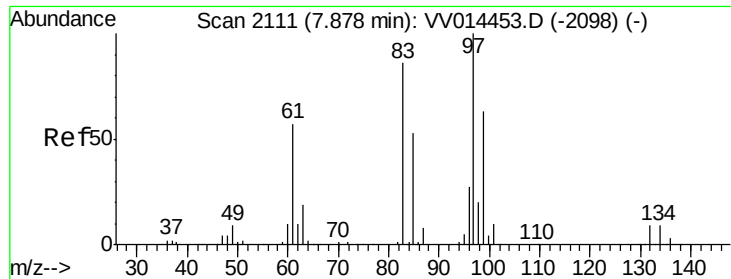
Tgt Ion: 75 Resp: 40983

Ion Ratio Lower Upper

75 100

77 31.4 22.0 40.8

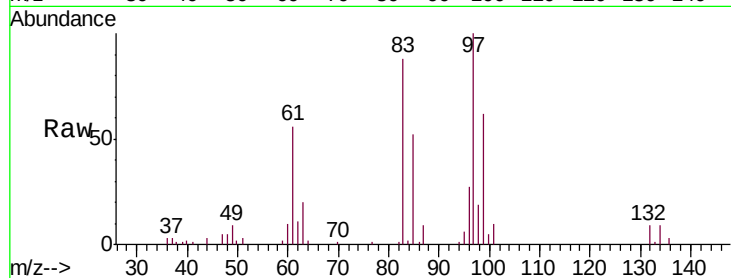




#45
 1,1,2-Trichloroethane
 Concen: 10.001 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV014452.D
 Acq: 31 Jan 2020 14:36

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01066

Tgt Ion:	97	Resp:	27756
Ion	Ratio	Lower	Upper
97	100		
99	61.8	43.8	81.3
83	88.4	60.0	111.4
85	51.6	37.2	69.0



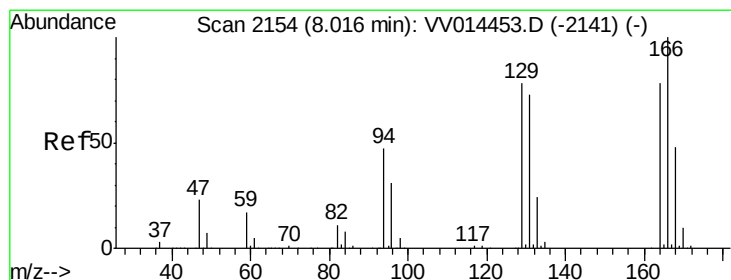
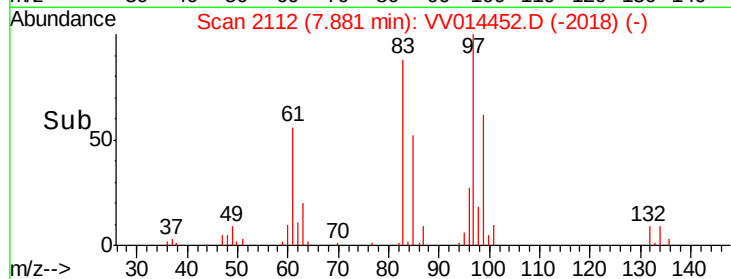
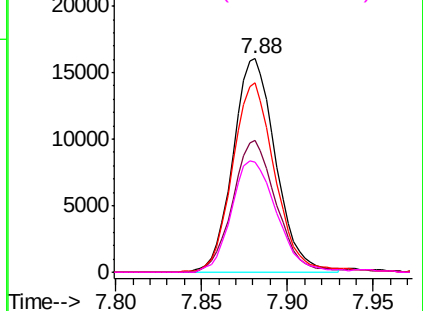
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

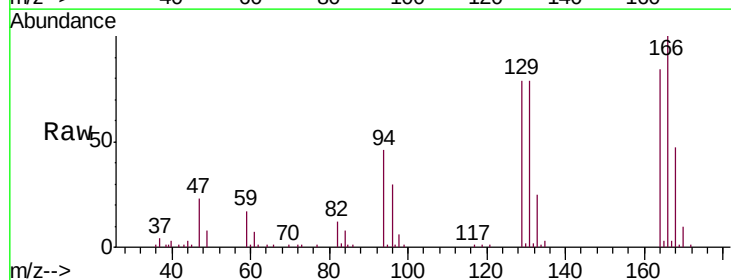
Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46
 Tetrachloroethene
 Concen: 8.167 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV014452.D
 Acq: 31 Jan 2020 14:36

Tgt Ion:	164	Resp:	21790
Ion	Ratio	Lower	Upper
164	100		
129	94.5	70.4	130.8
131	93.8	65.5	121.7
166	119.4	89.9	166.9



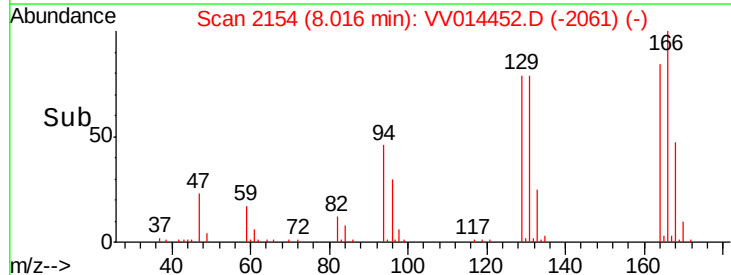
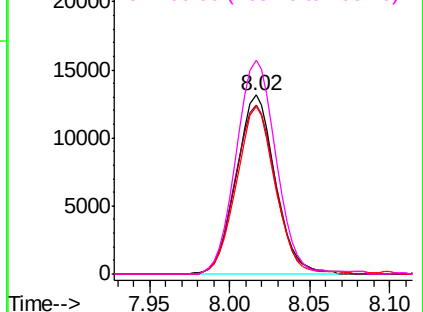
Abundance

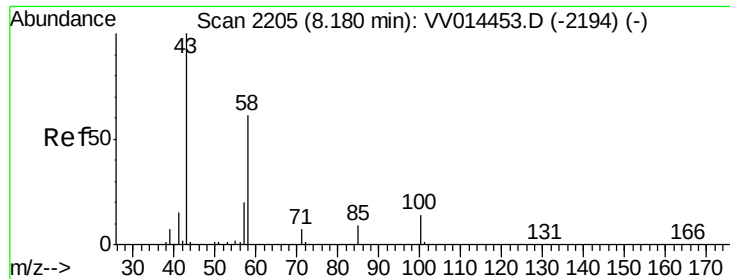
Ion 164.00 (163.70 to 164.70): V

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

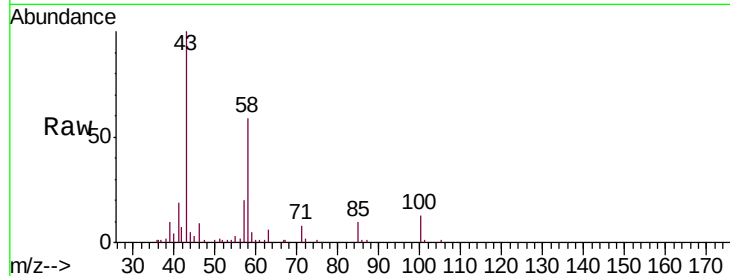




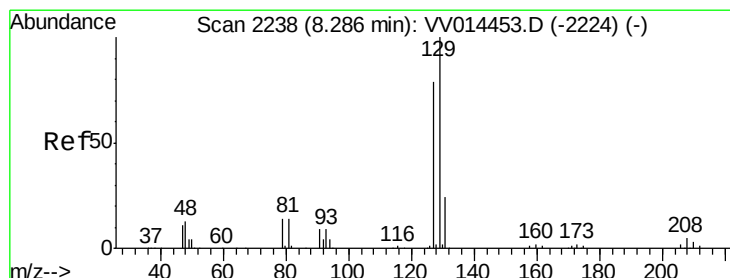
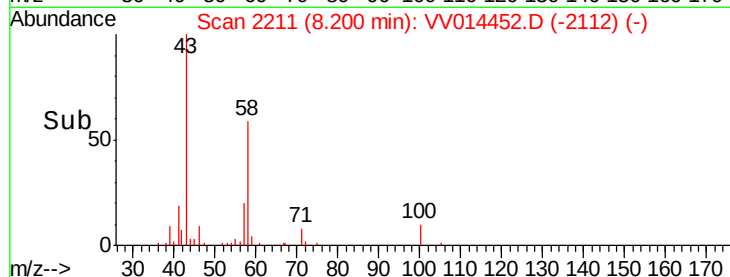
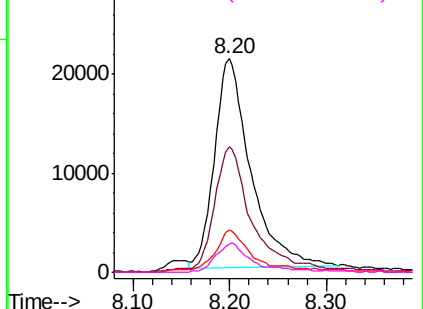
#48
2-Hexanone
Concen: 18.663 ug/L
RT: 8.20 min Scan# 2211
Delta R.T. 0.02 min
Lab File: VV014452.D
Acq: 31 Jan 2020 14:36

Instrument :
MSVOA_V
ClientSampleId :
VSTD01066

Tgt Ion: 43 Resp: 54723
Ion Ratio Lower Upper
43 100
58 61.5 48.0 72.0
57 17.1 15.0 22.6
100 12.0 10.4 15.6

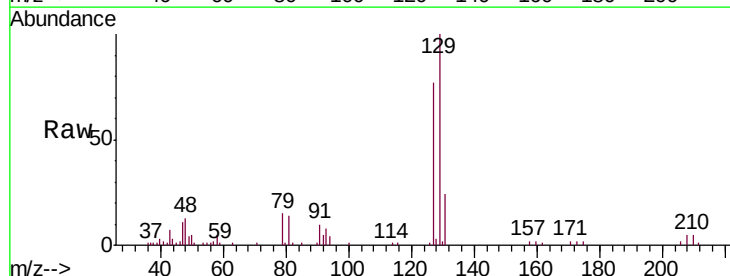


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

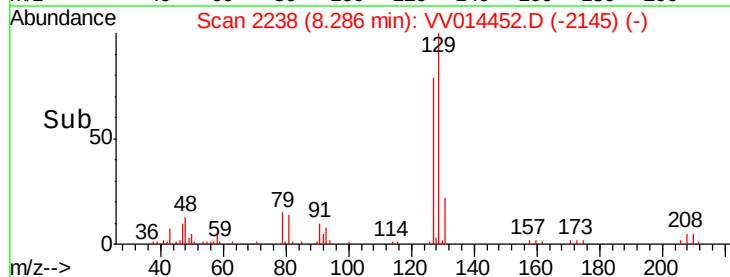
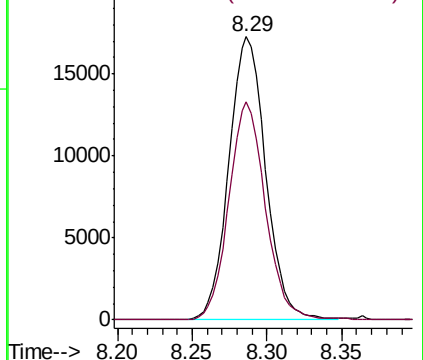


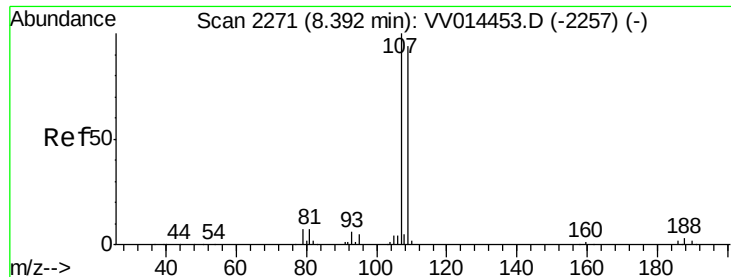
#49
Dibromochloromethane
Concen: 8.880 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV014452.D
Acq: 31 Jan 2020 14:36

Tgt Ion: 129 Resp: 29645
Ion Ratio Lower Upper
129 100
127 77.1 55.1 102.3



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

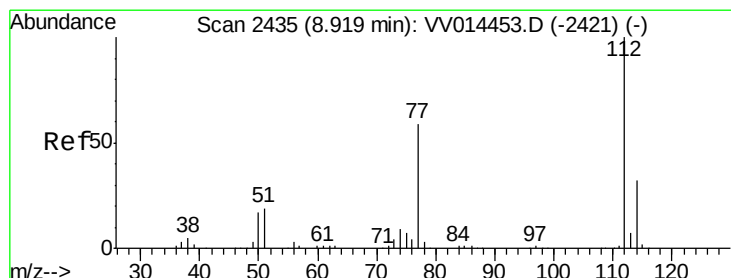
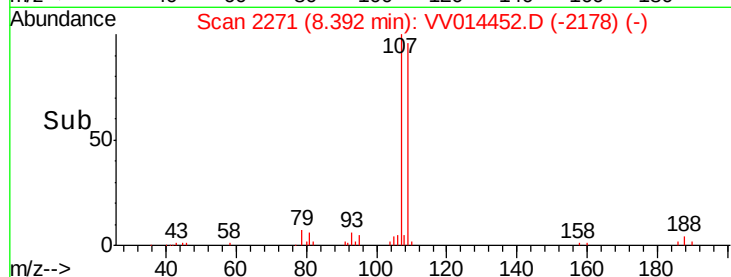
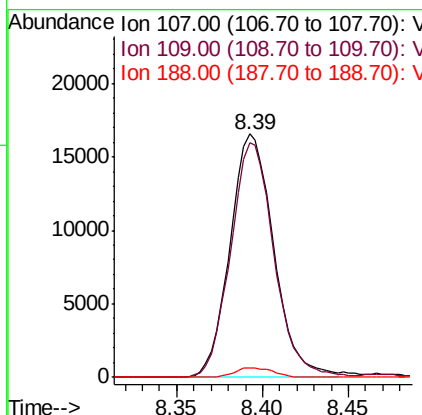
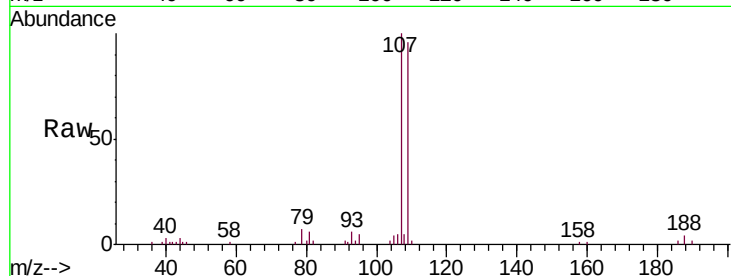




#50
 1,2-Dibromoethane
 Concen: 9.682 ug/L
 RT: 8.39 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VV014452.D
 Acq: 31 Jan 2020 14:36

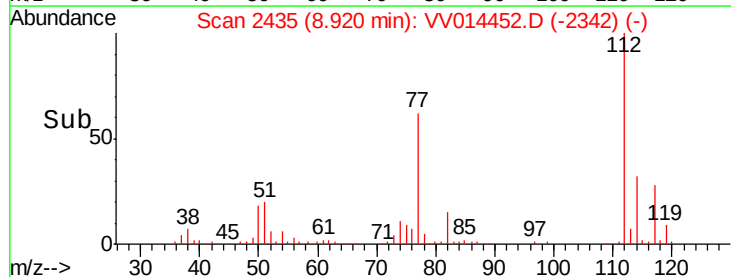
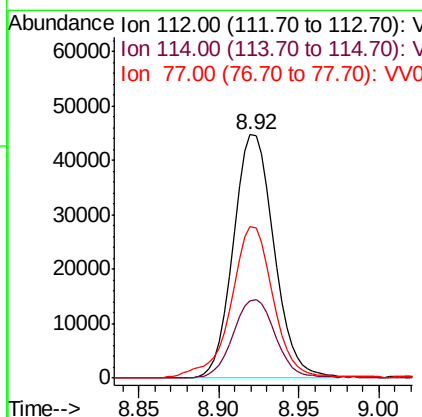
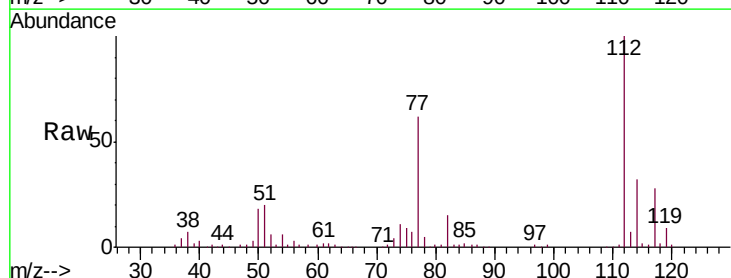
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01066

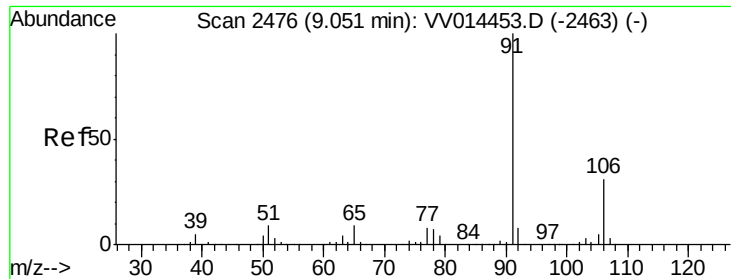
Tgt Ion:107 Resp: 29391
 Ion Ratio Lower Upper
 107 100
 109 96.3 65.5 121.7
 188 4.1 2.6 3.8#



#51
 Chlorobenzene
 Concen: 9.512 ug/L
 RT: 8.92 min Scan# 2435
 Delta R.T. 0.00 min
 Lab File: VV014452.D
 Acq: 31 Jan 2020 14:36

Tgt Ion:112 Resp: 77723
 Ion Ratio Lower Upper
 112 100
 114 31.8 22.5 41.9
 77 62.2 47.5 71.3





#52

Ethylbenzene

Concen: 10.339 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV014452.D

Acq: 31 Jan 2020 14:36

Instrument :

MSVOA_V

ClientSampleId :

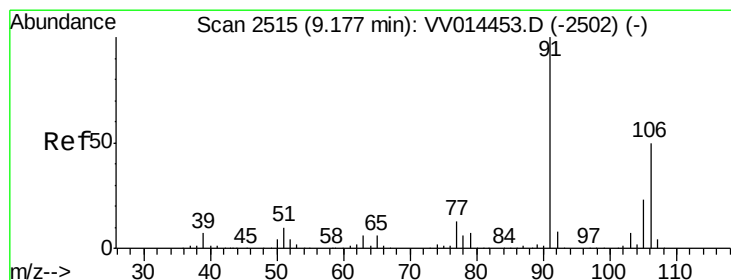
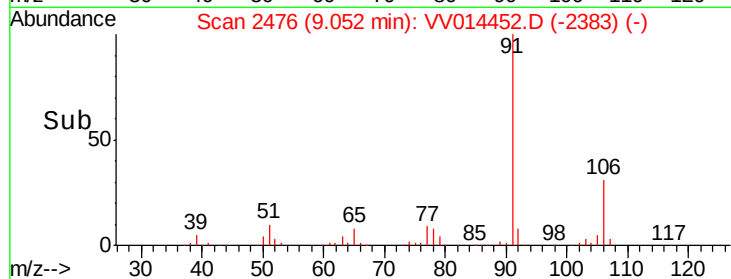
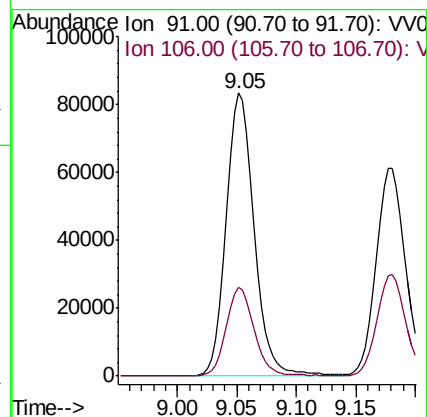
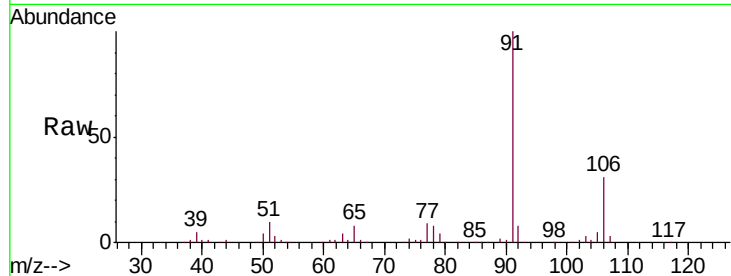
VSTD01066

Tgt Ion: 91 Resp: 136732

Ion Ratio Lower Upper

91 100

106 31.5 21.8 40.6



#53

m,p-Xylene

Concen: 9.954 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV014452.D

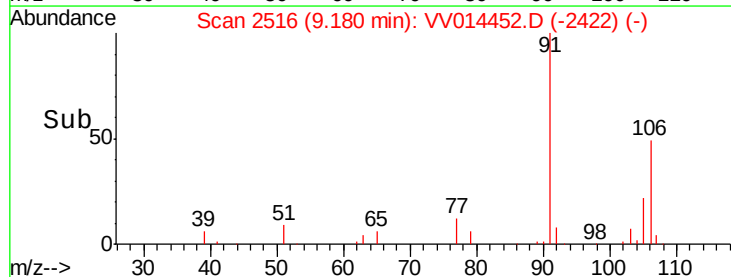
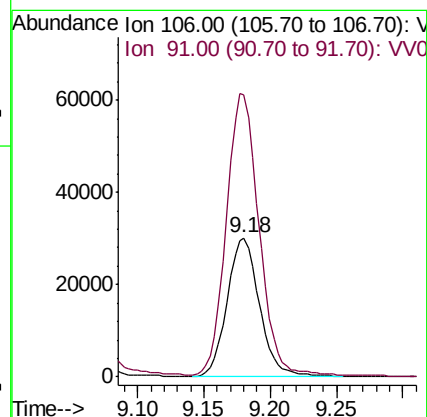
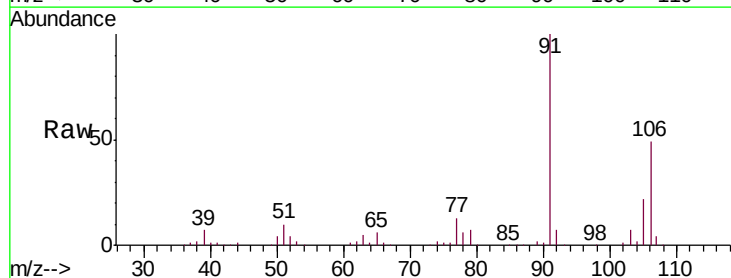
Acq: 31 Jan 2020 14:36

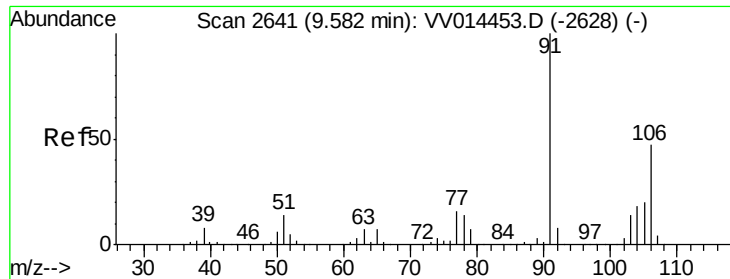
Tgt Ion: 106 Resp: 50498

Ion Ratio Lower Upper

106 100

91 203.8 140.9 261.7

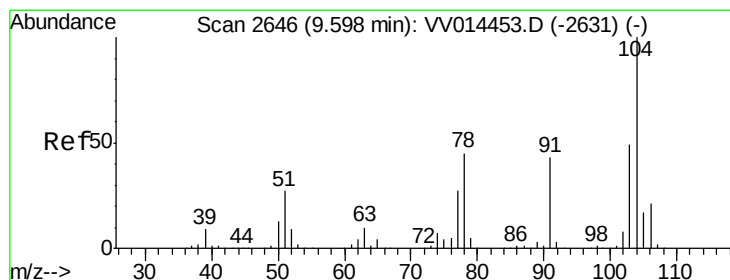
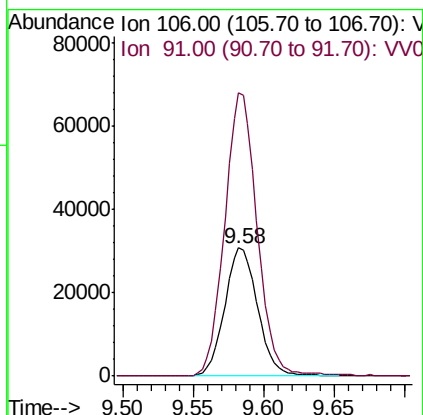
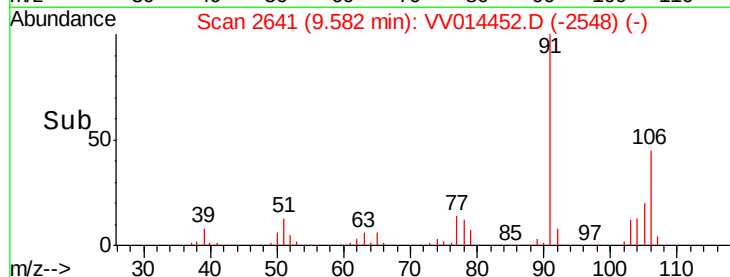
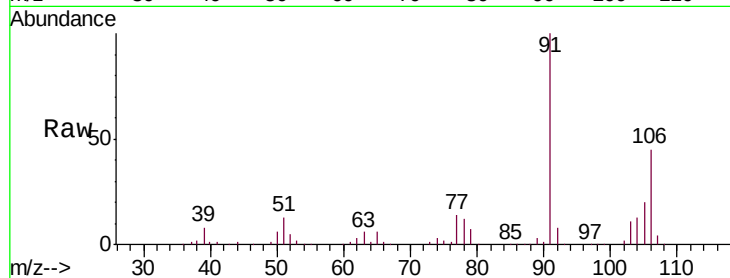




#54
o-xylene
Concen: 10.271 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV014452.D
Acq: 31 Jan 2020 14:36

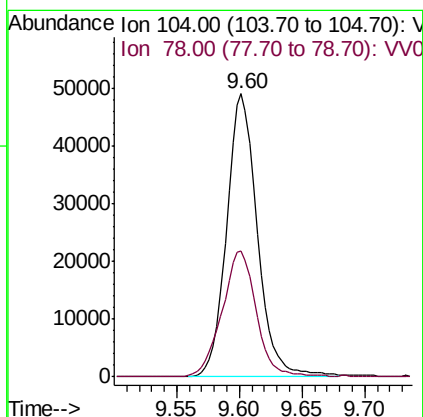
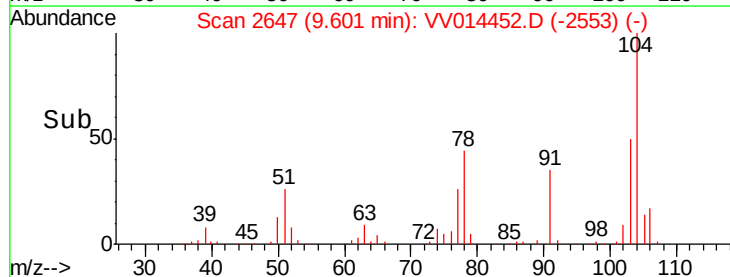
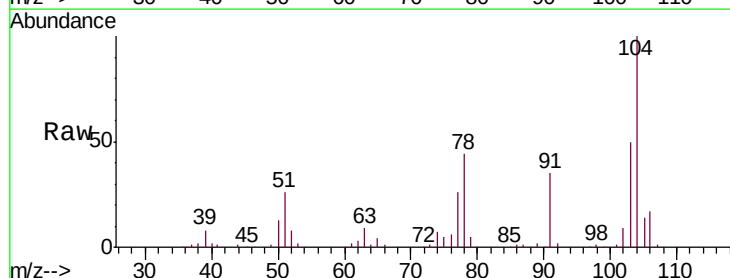
Instrument :
MSVOA_V
ClientSampleId :
VSTD01066

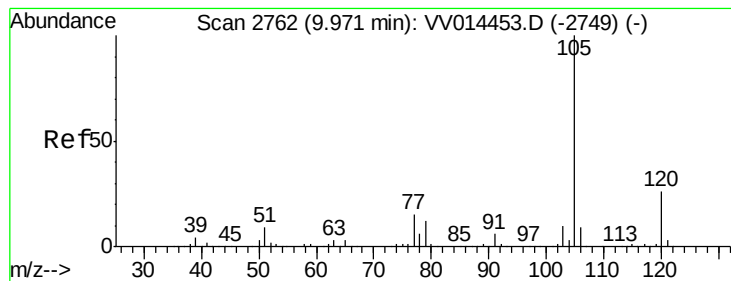
Tgt Ion:106 Resp: 50442
Ion Ratio Lower Upper
106 100
91 220.6 150.4 279.2



#55
Styrene
Concen: 9.954 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. 0.00 min
Lab File: VV014452.D
Acq: 31 Jan 2020 14:36

Tgt Ion:104 Resp: 83681
Ion Ratio Lower Upper
104 100
78 44.4 31.3 58.1





#56

Isopropylbenzene

Concen: 9.932 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV014452.D

Acq: 31 Jan 2020 14:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD01066

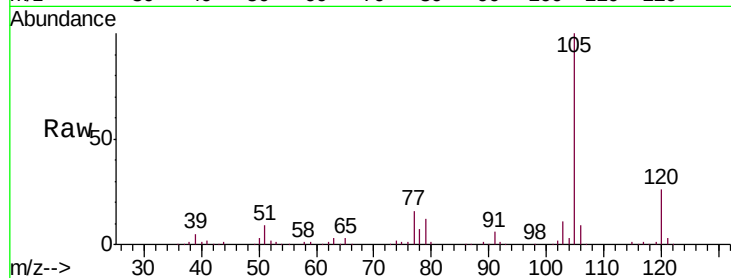
Tgt Ion: 105 Resp: 128547

Ion Ratio Lower Upper

105 100

120 25.7 21.0 31.6

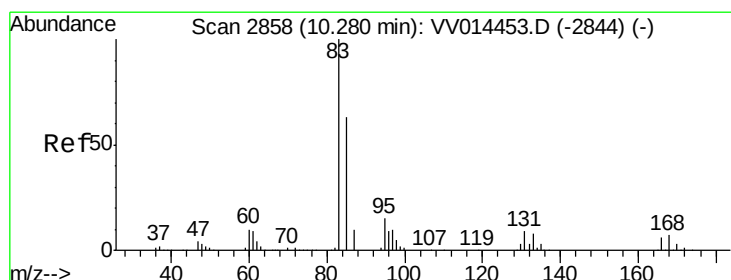
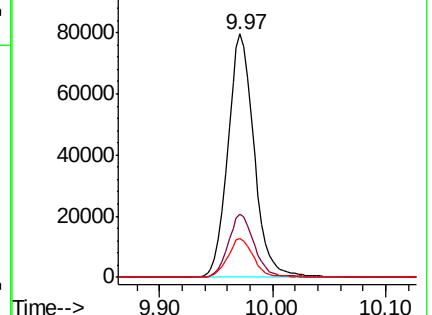
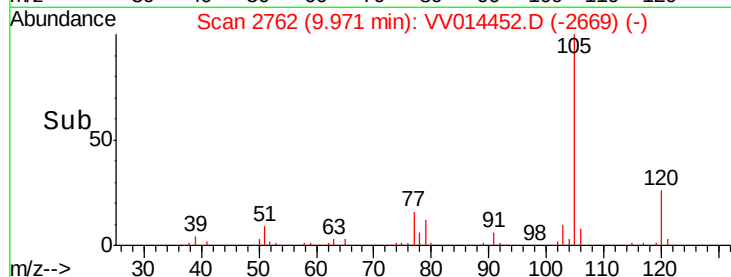
77 15.7 12.5 18.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 10.126 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV014452.D

Acq: 31 Jan 2020 14:36

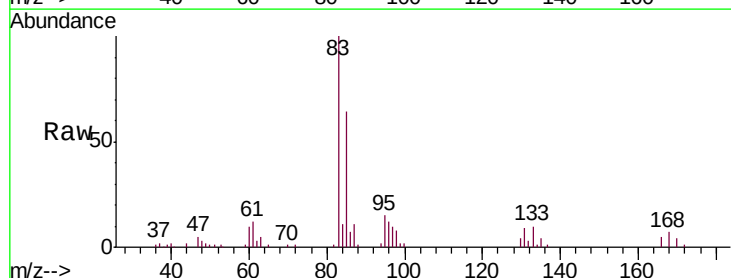
Tgt Ion: 83 Resp: 45080

Ion Ratio Lower Upper

83 100

85 64.3 44.2 82.2

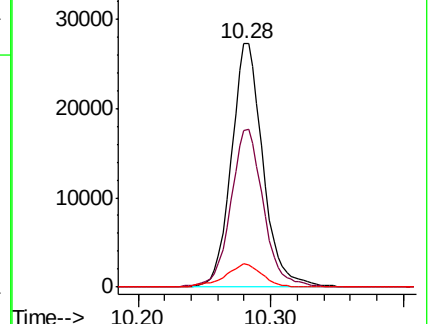
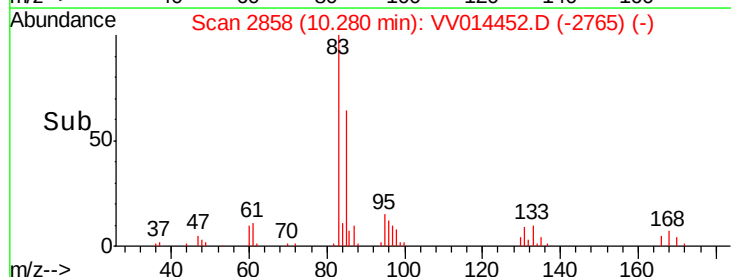
131 9.4 7.6 11.4

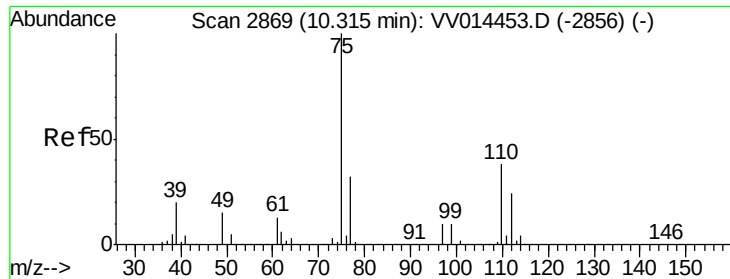


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 9.625 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV014452.D

Acq: 31 Jan 2020 14:36

Instrument :

MSVOA_V

ClientSampleId :

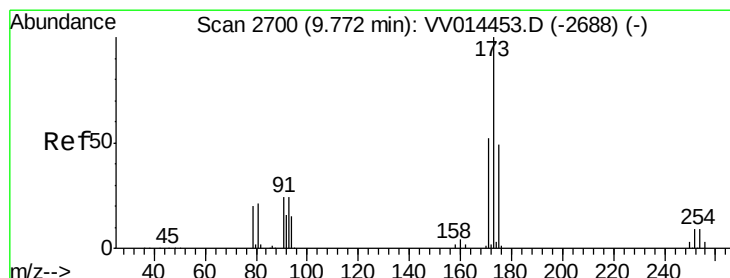
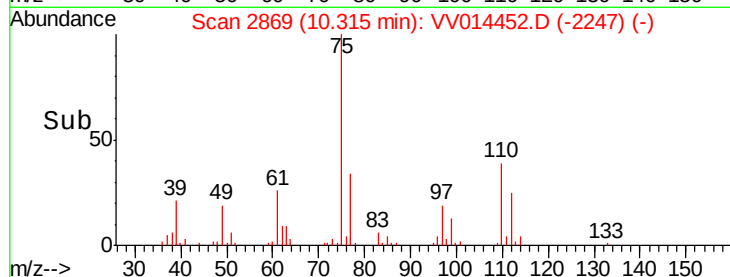
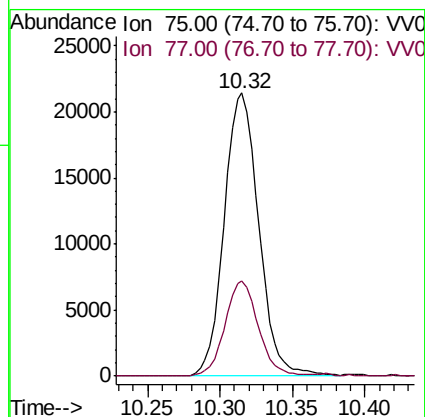
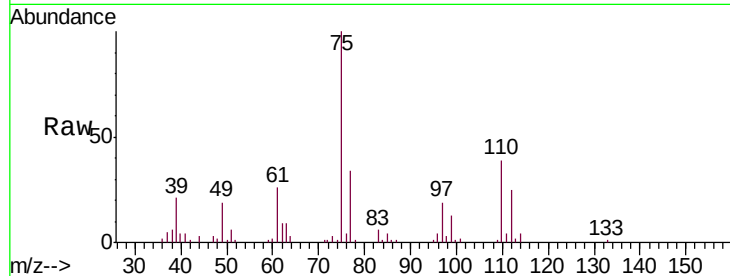
VSTD01066

Tgt Ion: 75 Resp: 35490

Ion Ratio Lower Upper

75 100

77 32.2 25.9 38.9



#61

Bromoform

Concen: 8.278 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV014452.D

Acq: 31 Jan 2020 14:36

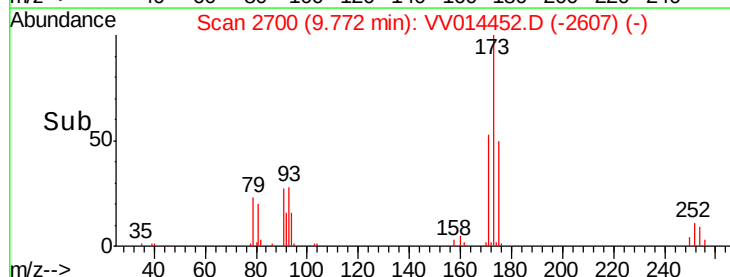
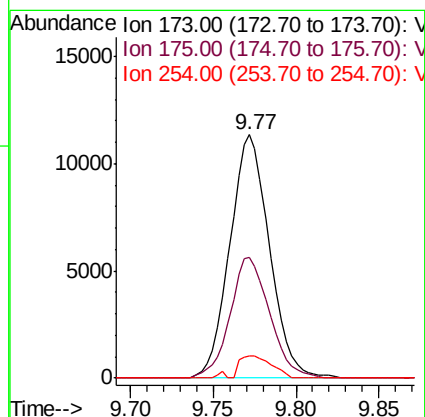
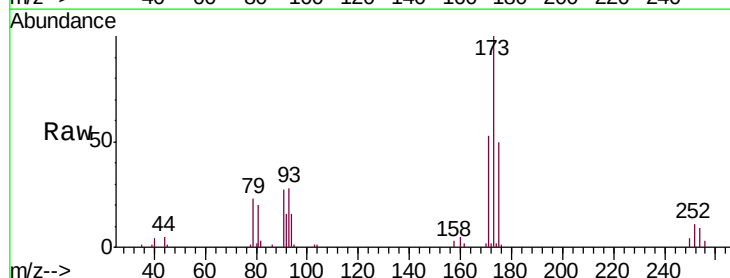
Tgt Ion: 173 Resp: 18839

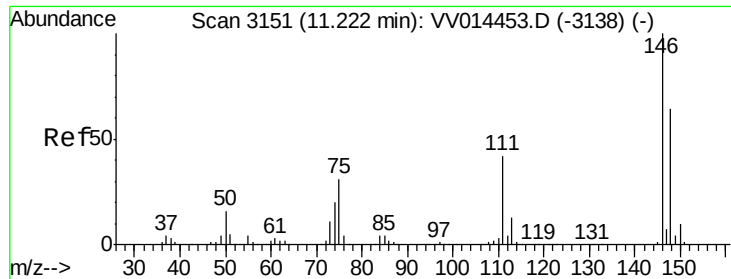
Ion Ratio Lower Upper

173 100

175 49.4 38.8 58.2

254 7.5 7.0 10.6





#62

1,3-Dichlorobenzene

Concen: 9.410 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. 0.00 min

Lab File: VV014452.D

Acq: 31 Jan 2020 14:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD01066

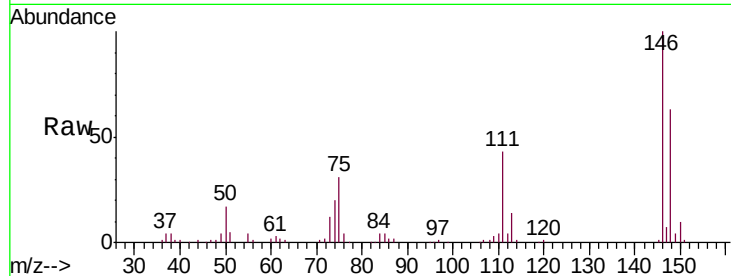
Tgt Ion:146 Resp: 58242

Ion Ratio Lower Upper

146 100

111 43.4 29.3 54.3

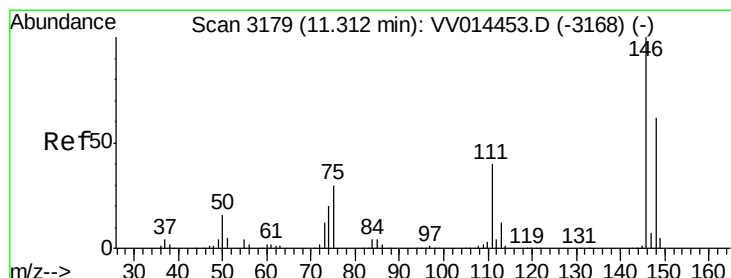
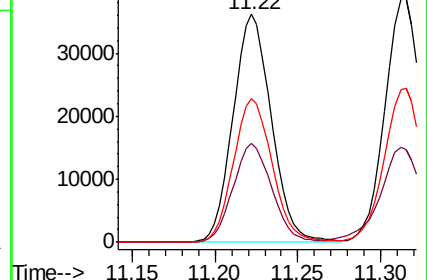
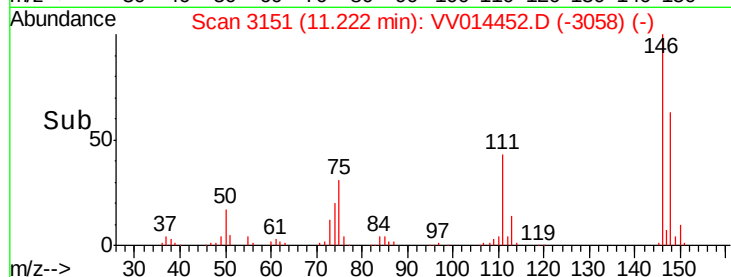
148 63.1 44.9 83.3



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: 9.745 ug/L

RT: 11.32 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV014452.D

Acq: 31 Jan 2020 14:36

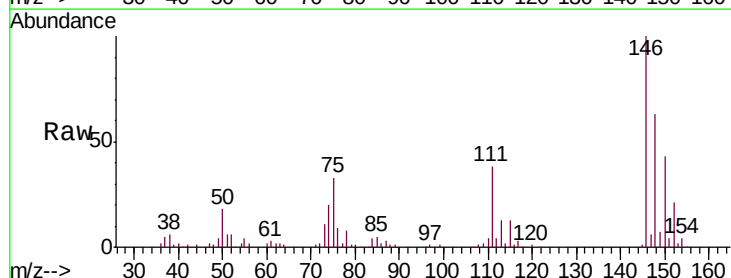
Tgt Ion:146 Resp: 62302

Ion Ratio Lower Upper

146 100

111 37.8 28.1 52.1

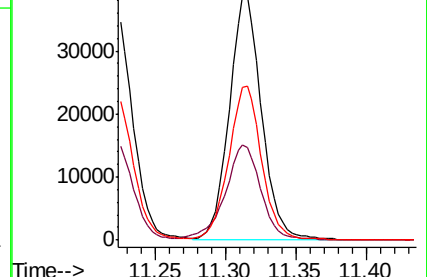
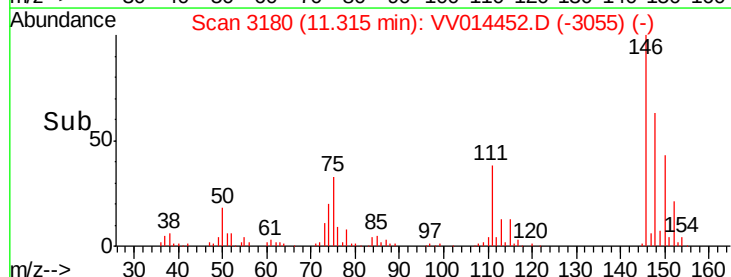
148 63.5 43.5 80.9

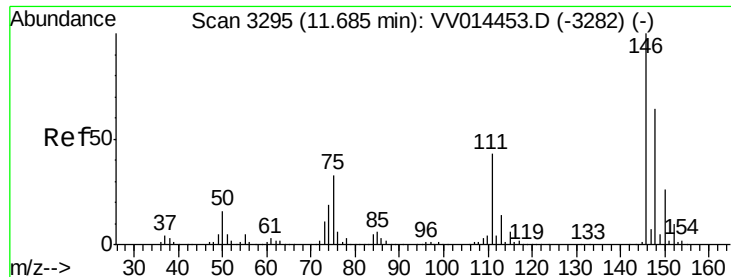


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

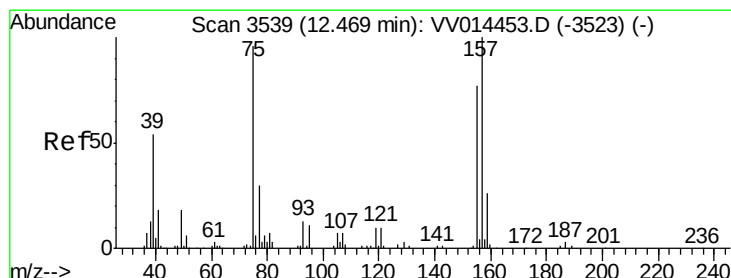
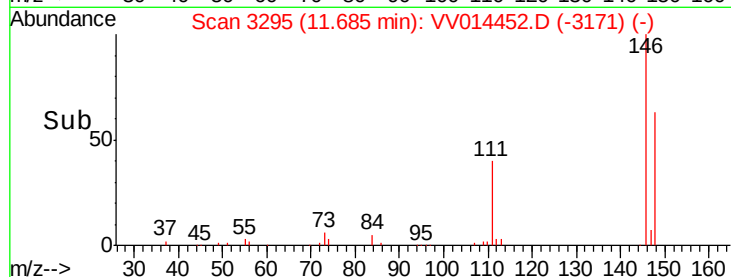
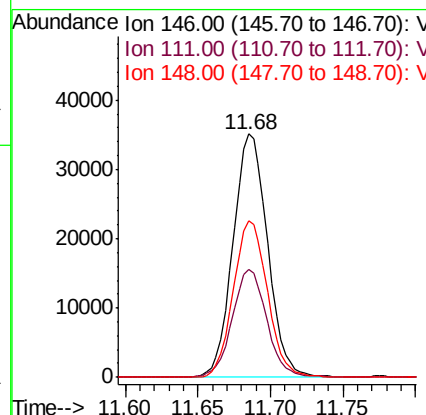
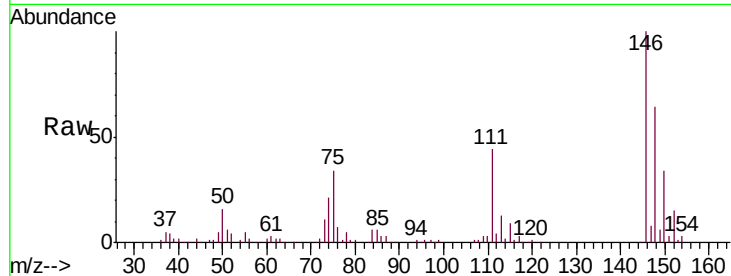




#65
 1,2-Dichlorobenzene
 Concen: 9.368 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV014452.D
 Acq: 31 Jan 2020 14:36

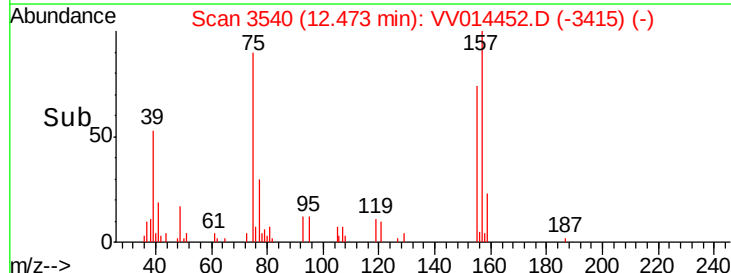
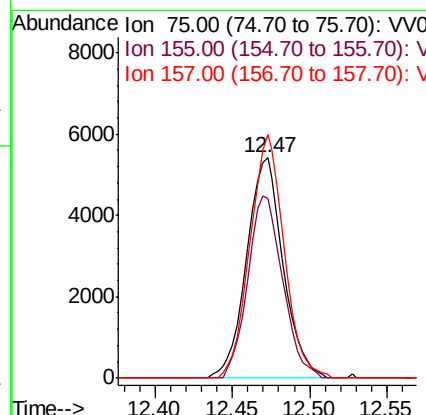
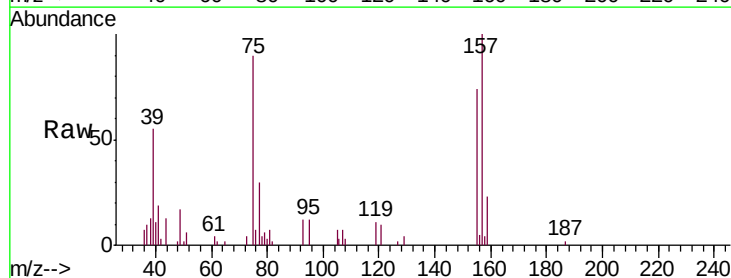
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01066

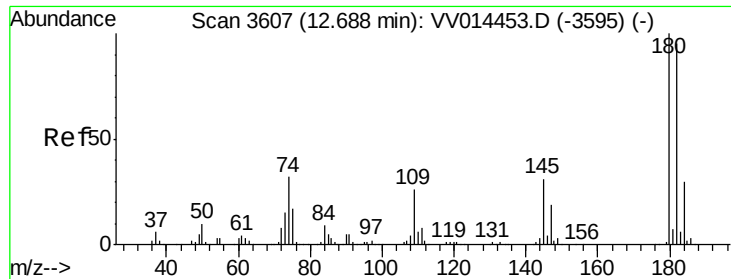
Tgt Ion: 146 Resp: 57947
 Ion Ratio Lower Upper
 146 100
 111 44.5 34.6 51.8
 148 64.2 51.2 76.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 10.074 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. 0.00 min
 Lab File: VV014452.D
 Acq: 31 Jan 2020 14:36

Tgt Ion: 75 Resp: 8897
 Ion Ratio Lower Upper
 75 100
 155 81.4 64.2 96.2
 157 110.6 83.4 125.2

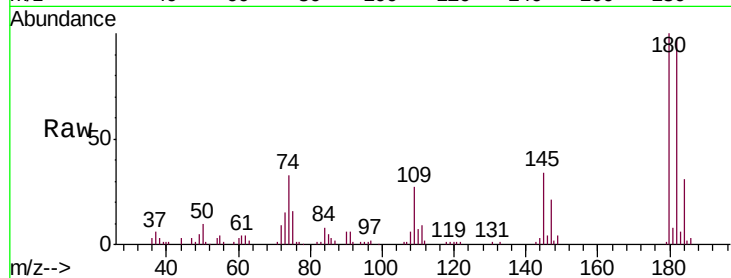




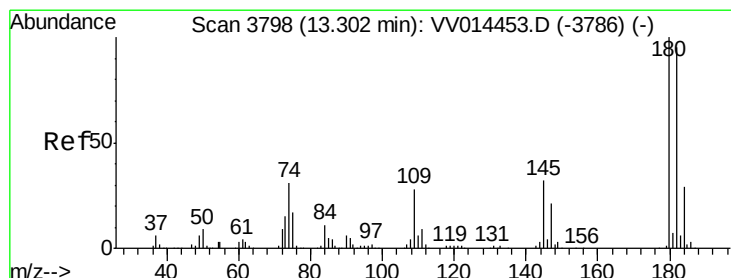
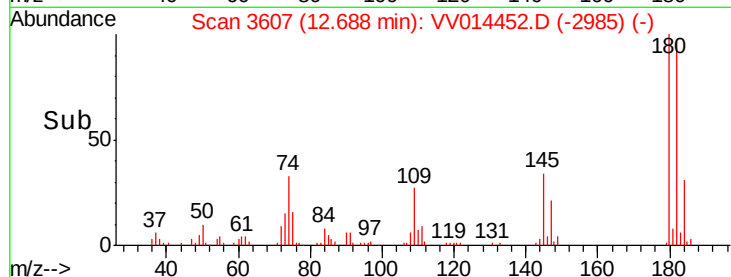
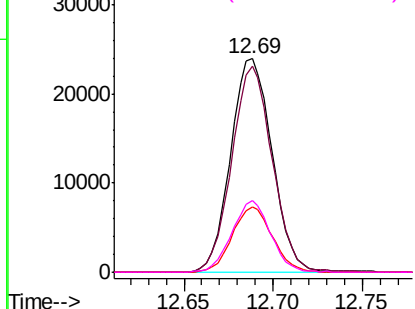
#67
 1,3,5-Trichlorobenzene
 Concen: 7.893 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV014452.D
 Acq: 31 Jan 2020 14:36

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01066

Tgt Ion:	180	Resp:	38671
Ion	Ratio	Lower	Upper
180	100		
182	94.2	76.3	114.5
184	29.6	24.2	36.2
145	31.2	25.4	38.2

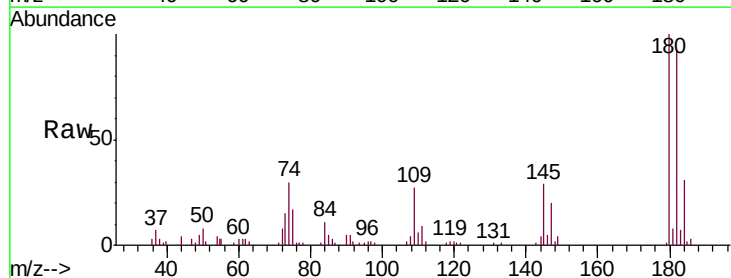


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

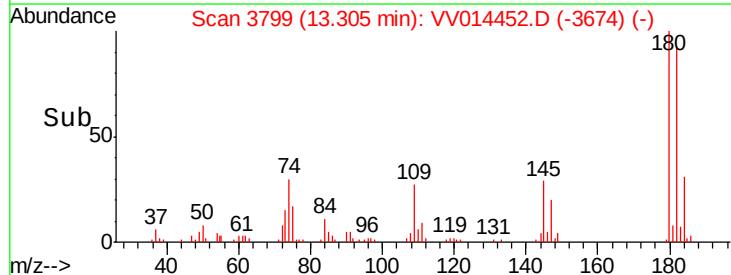
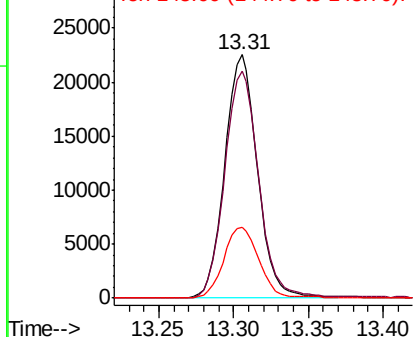


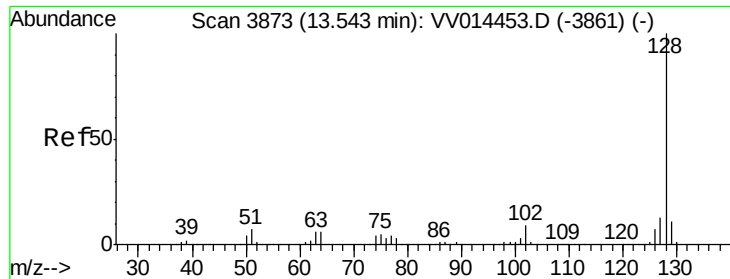
#68
 1,2,4-trichlorobenzene
 Concen: 7.711 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV014452.D
 Acq: 31 Jan 2020 14:36

Tgt Ion:	180	Resp:	34406
Ion	Ratio	Lower	Upper
180	100		
182	96.4	76.0	114.0
145	31.1	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: 9.090 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV014452.D

Acq: 31 Jan 2020 14:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD01066

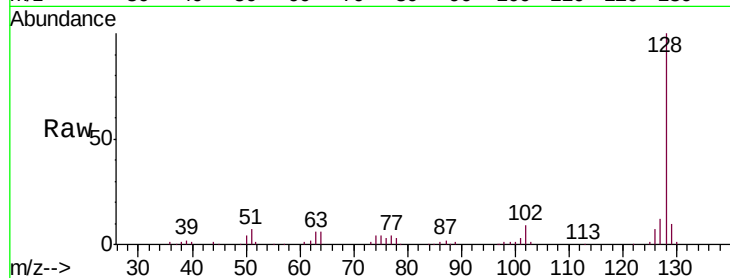
Tgt Ion:128 Resp: 109587

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.4

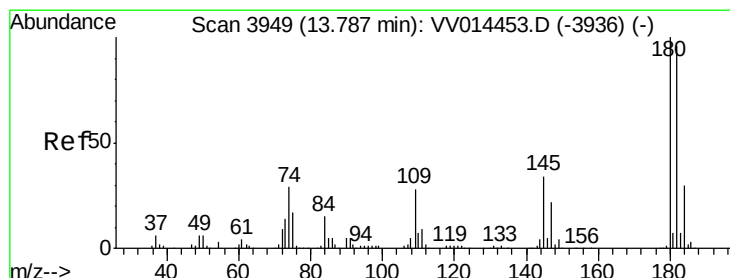
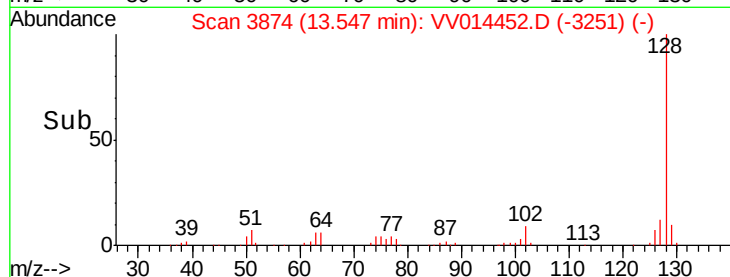
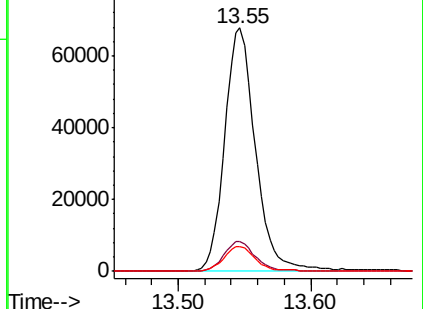
129 10.6 8.6 13.0



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: 7.416 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV014452.D

Acq: 31 Jan 2020 14:36

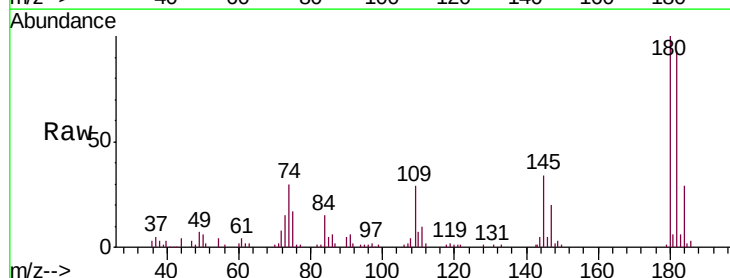
Tgt Ion:180 Resp: 33880

Ion Ratio Lower Upper

180 100

182 95.8 77.5 116.3

145 35.0 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

