

Data File : VV014588.D
Acq On : 17 Feb 2020 11:39
Operator : SY/MD
Sample : VSTD01062
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD010203

Quant Time: Feb 18 05:48:06 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM021720W.M
Quant Title : VOC Analysis
QLast Update : Tue Feb 18 05:45:10 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	310798	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	294054	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	149415	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	9748	6.33	ug/L	0.00
7) Chloroethane-d5	1.59	69	7760	7.19	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	19303	8.00	ug/L	0.00
21) 2-Butanone-d5	3.94	46	18743	15.26	ug/L	0.01
24) Chloroform-d	4.40	84	33082	8.88	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	20500	8.96	ug/L	0.00
32) Benzene-d6	5.10	84	65304	8.39	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.11	67	19544	8.23	ug/L	0.00
41) Toluene-d8	7.36	98	62410	8.67	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	11178	8.70	ug/L	0.00
47) 2-Hexanone-d5	8.13	63	14408	14.39	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.25	84	27856	8.89	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.67	152	25123	9.00	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	22117	9.202 ug/L	97
3) Chloromethane	1.26	50	17637	7.532 ug/L	100
5) Vinyl chloride	1.33	62	13566	7.526 ug/L	99
6) Bromomethane	1.54	94	7607	8.920 ug/L	88
8) Chloroethane	1.60	64	7099	7.903 ug/L	98
9) Trichlorofluoromethane	1.77	101	25613	10.010 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	10967	9.153 ug/L	96
12) 1,1-Dichloroethene	2.14	96	10140	8.853 ug/L	96
13) Acetone	2.19	43	20376	19.402 ug/L	92
14) Carbon disulfide	2.32	76	44293	8.050 ug/L	100
15) Methyl Acetate	2.46	43	16002	8.078 ug/L	99
16) Methylene chloride	2.54	84	20236	9.164 ug/L	90
17) trans-1,2-Dichloroethene	2.79	96	18799	9.205 ug/L	97
18) Methyl tert-butyl Ether	2.80	73	61725	9.471 ug/L	99
19) 1,1-Dichloroethane	3.23	63	32506	8.901 ug/L	93
20) cis-1,2-Dichloroethene	3.96	96	21509	9.323 ug/L	95
22) 2-Butanone	4.02	43	24592	15.983 ug/L	95
23) Bromochloromethane	4.30	128	10159	9.204 ug/L	97
25) Chloroform	4.42	83	37795	10.020 ug/L	98
27) 1,2-Dichloroethane	5.18	62	28193	10.042 ug/L	98
29) Cyclohexane	4.73	56	28851	8.418 ug/L	97
30) 1,1,1-Trichloroethane	4.66	97	32034	9.659 ug/L	97
31) Carbon tetrachloride	4.87	117	29113	9.899 ug/L	98
33) Benzene	5.14	78	75990	9.082 ug/L	100
34) Trichloroethene	5.96	95	20409	9.131 ug/L	97
35) Methylcyclohexane	6.17	83	33706	9.323 ug/L	99
37) 1,2-Dichloropropane	6.22	63	18490	8.723 ug/L	99
38) Bromodichloromethane	6.55	83	28846	9.922 ug/L	97
39) cis-1,3-Dichloropropene	7.07	75	31993	8.917 ug/L	100
40) 4-Methyl-2-pentanone	7.27	43	45409	16.720 ug/L	98

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42) Toluene	7.43	91	85566	9.468	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	30118	9.359	ug/L	93
45) 1,1,2-Trichloroethane	7.88	97	20152	9.715	ug/L	97
46) Tetrachloroethene	8.01	164	17120	10.027	ug/L	99
48) 2-Hexanone	8.18	43	34235	16.463	ug/L	99
49) Dibromochloromethane	8.29	129	23587	9.945	ug/L	99
50) 1,2-Dibromoethane	8.39	107	22068	9.836	ug/L	98
51) Chlorobenzene	8.92	112	57850	9.746	ug/L	99
52) Ethylbenzene	9.05	91	99050	9.756	ug/L	99
53) m,p-Xylene	9.18	106	38377	9.802	ug/L	97
54) o-Xylene	9.58	106	36717	9.785	ug/L	100
55) Styrene	9.60	104	60952	9.520	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.28	83	32539	10.031	ug/L	99
59) Bromoform	9.77	173	16426	9.903	ug/L #	98
60) Isopropylbenzene	9.97	105	97605	9.813	ug/L	99
61) 1,2,3-Trichloropropane	10.31	75	24872	9.553	ug/L	97
62) 1,3,5-Trimethylbenzene	10.58	105	80833	9.512	ug/L	100
63) 1,2,4-Trimethylbenzene	10.95	105	79586	9.511	ug/L	99
64) 1,3-Dichlorobenzene	11.22	146	46379	9.874	ug/L	98
65) 1,4-Dichlorobenzene	11.31	146	47769	9.896	ug/L	98
67) 1,2-Dichlorobenzene	11.68	146	46462	10.157	ug/L	100
68) 1,2-Dibromo-3-chloropropan	12.47	75	7365	10.022	ug/L	97
69) 1,3,5-Trichlorobenzene	12.69	180	33569	10.106	ug/L	99
70) 1,2,4-trichlorobenzene	13.31	180	29647	9.751	ug/L	98
71) Naphthalene	13.55	128	87938	8.832	ug/L	100
72) 1,2,3-Trichlorobenzene	13.79	180	29131	9.833	ug/L	97

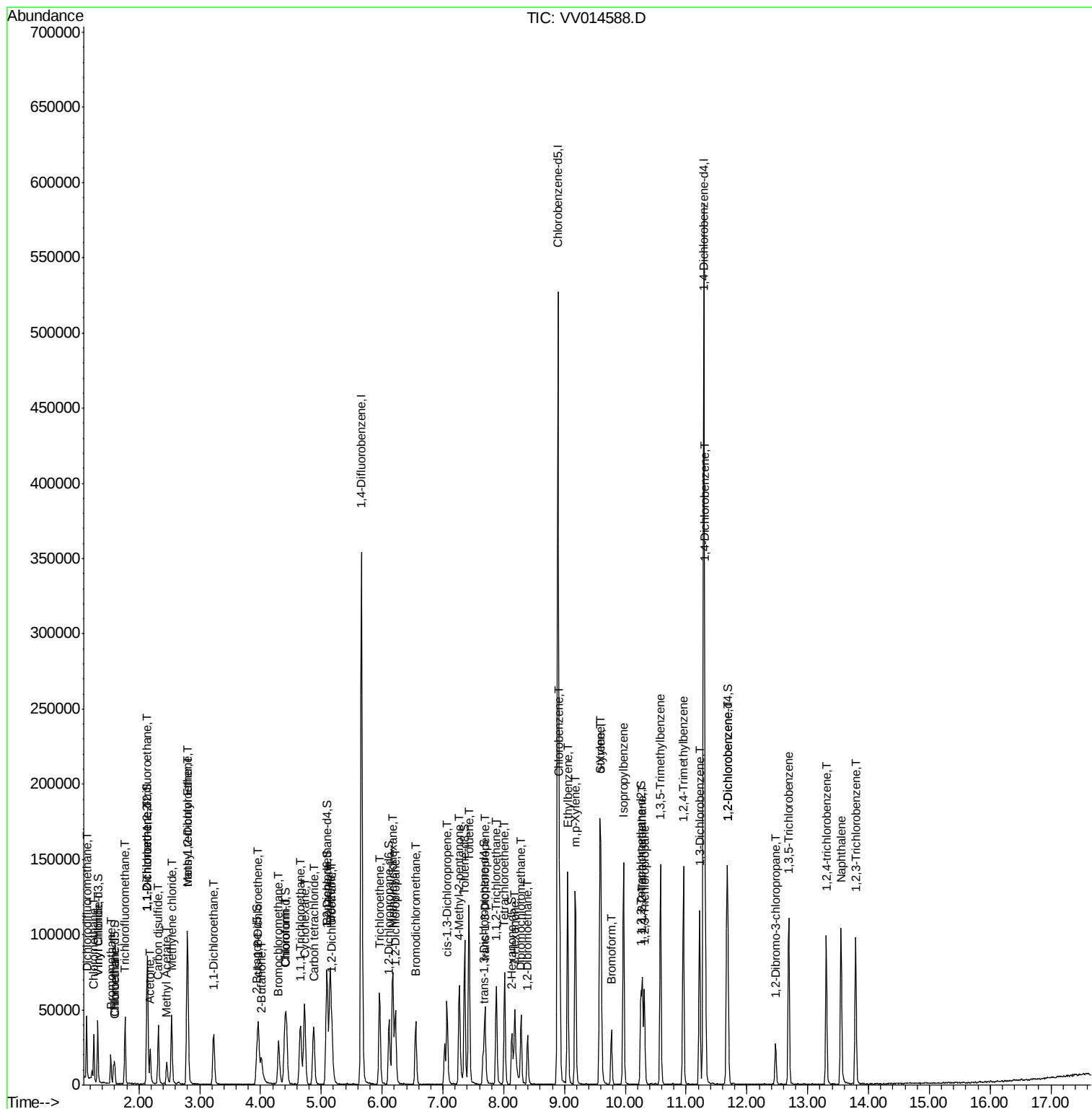
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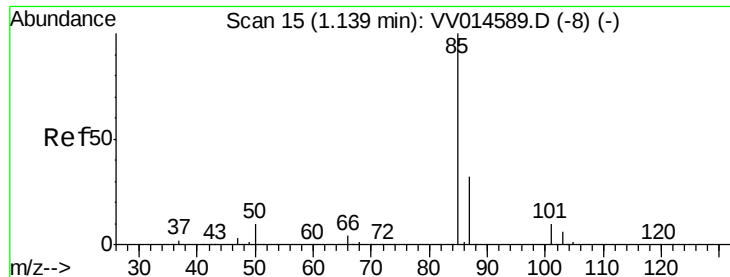
Data File : VV014588.D

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#2

Dichlorodifluoromethane

Concen: 9.202 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV014588.D

Acq: 17 Feb 2020 11:39

Instrument :

MSVOA_V

ClientSampleId :

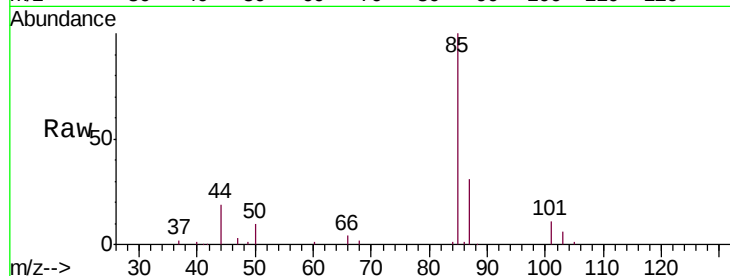
VSTD010203

Tgt Ion: 85 Resp: 22117

Ion Ratio Lower Upper

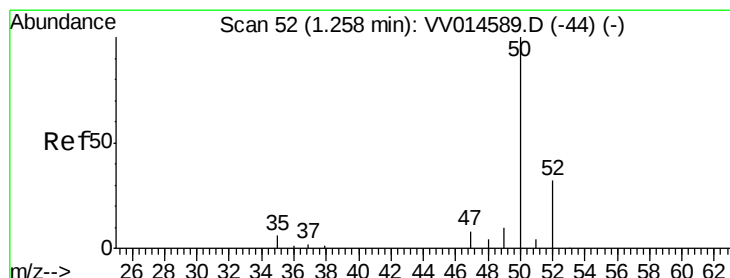
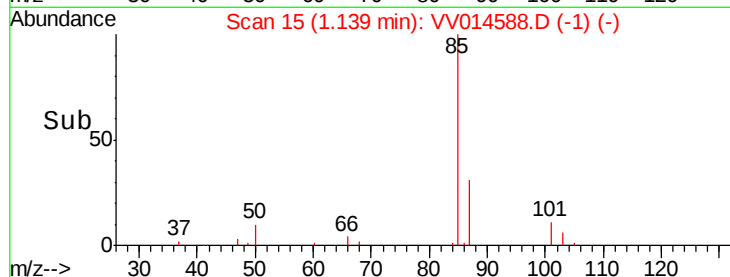
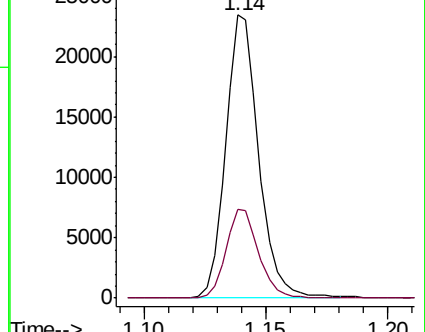
85 100

87 30.9 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VV014589.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV014589.D (-8) (-)



#3

Chloromethane

Concen: 7.532 ug/L

RT: 1.26 min Scan# 52

Delta R.T. -0.00 min

Lab File: VV014588.D

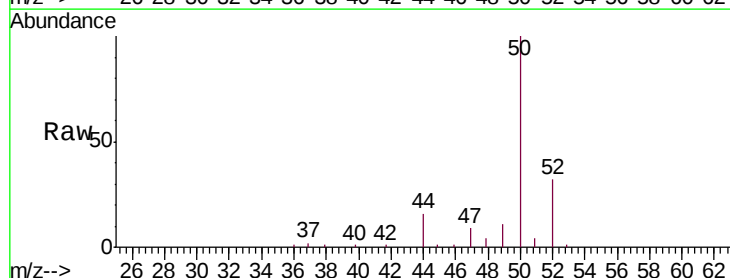
Acq: 17 Feb 2020 11:39

Tgt Ion: 50 Resp: 17637

Ion Ratio Lower Upper

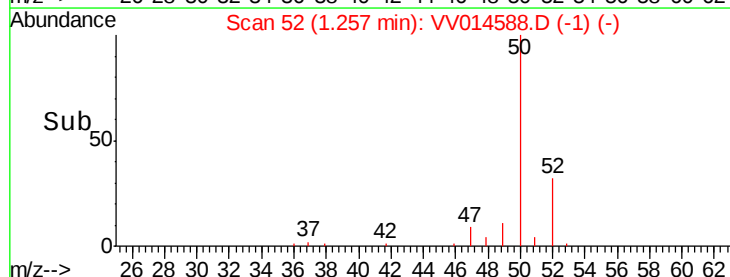
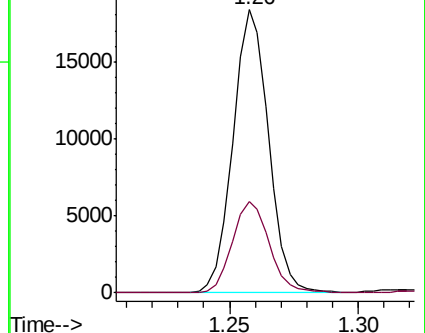
50 100

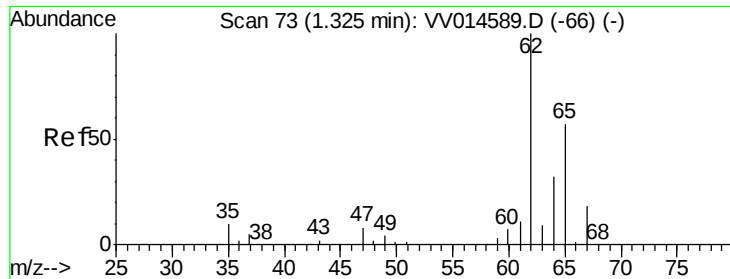
52 32.5 22.6 42.0



Abundance Ion 50.00 (49.70 to 50.70): VV014589.D (-44) (-)

Ion 52.00 (51.70 to 52.70): VV014589.D (-44) (-)





#5

Vinyl chloride

Concen: 7.526 ug/L

RT: 1.33 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV014588.D

Acq: 17 Feb 2020 11:39

Instrument :

MSVOA_V

ClientSampleId :

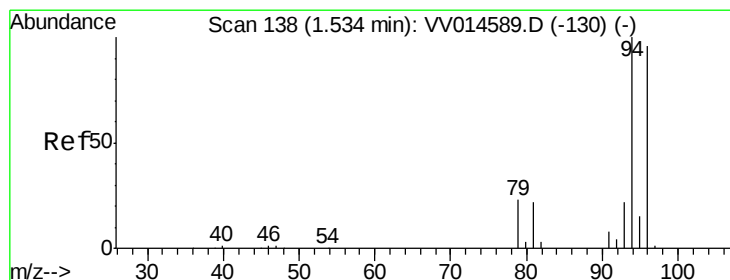
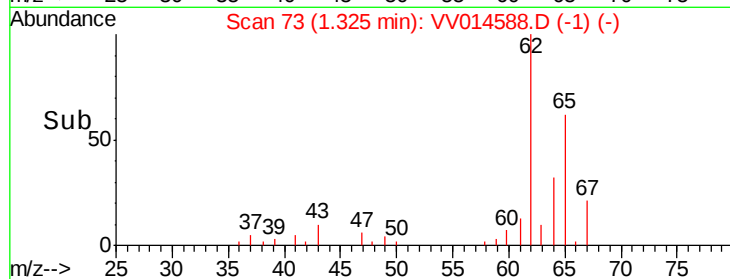
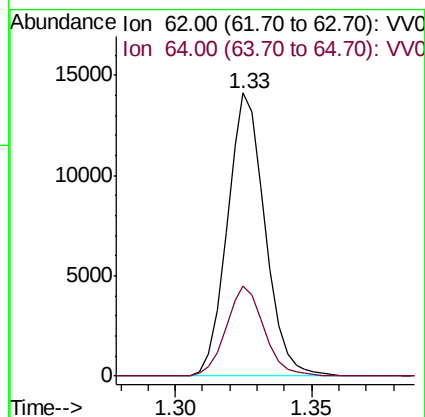
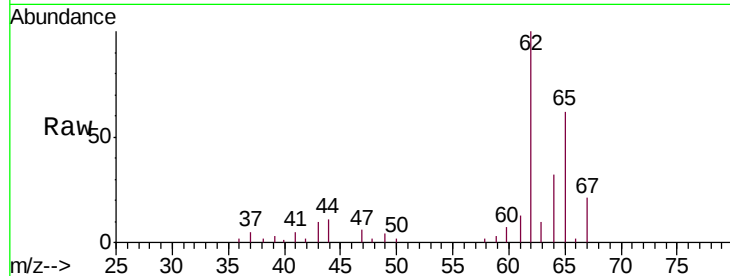
VSTD010203

Tgt Ion: 62 Resp: 13566

Ion Ratio Lower Upper

62 100

64 31.8 22.6 42.0



#6

Bromomethane

Concen: 8.920 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV014588.D

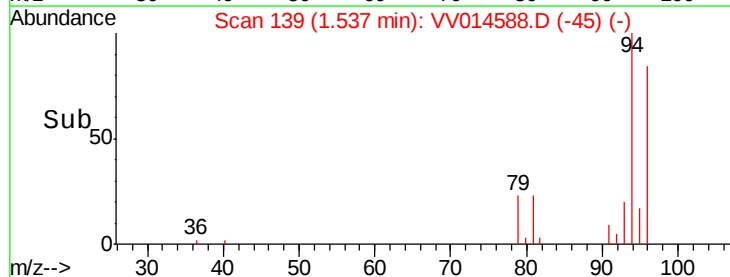
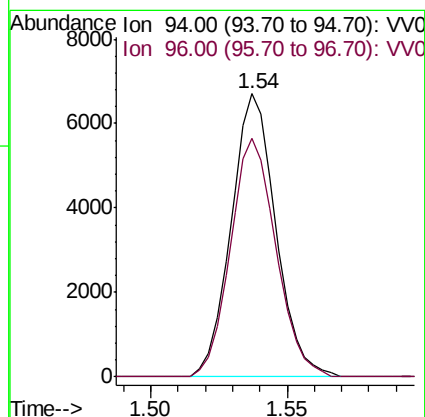
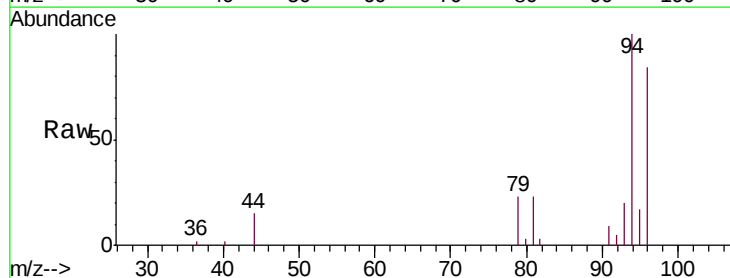
Acq: 17 Feb 2020 11:39

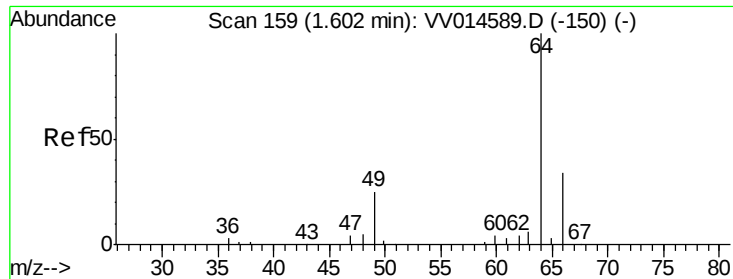
Tgt Ion: 94 Resp: 7607

Ion Ratio Lower Upper

94 100

96 84.1 67.4 125.2





#8

Chloroethane

Concen: 7.903 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV014588.D

Acq: 17 Feb 2020 11:39

Instrument :

MSVOA_V

ClientSampleId :

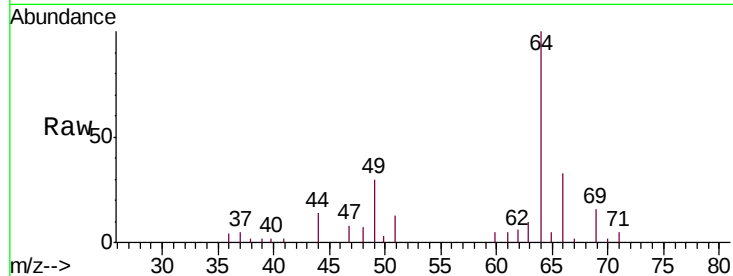
VSTD010203

Tgt Ion: 64 Resp: 7099

Ion Ratio Lower Upper

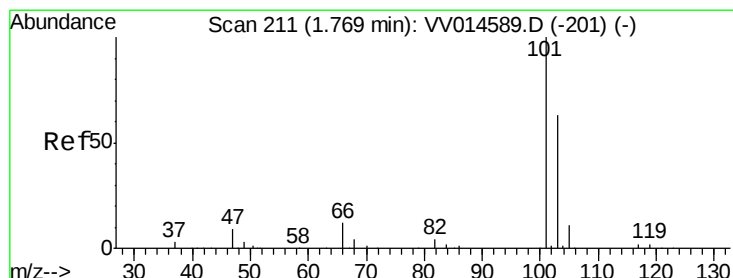
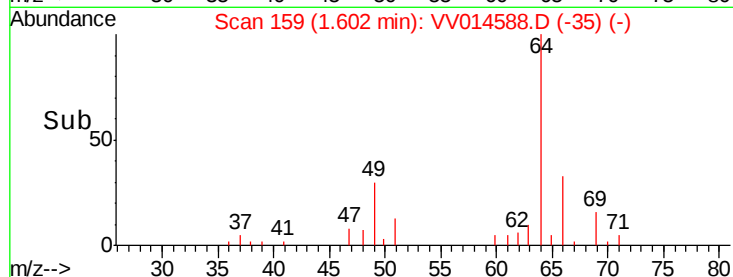
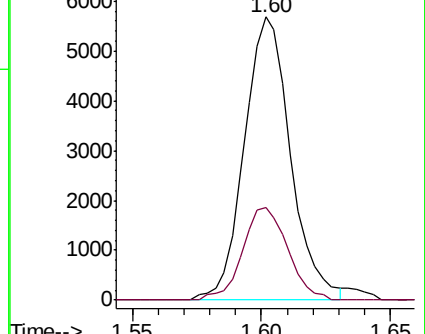
64 100

66 32.6 23.6 43.8



Abundance Ion 64.00 (63.70 to 64.70): VV014589.D (-150) (-)

Ion 66.00 (65.70 to 66.70): VV014589.D (-150) (-)



#9

Trichlorofluoromethane

Concen: 10.010 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV014588.D

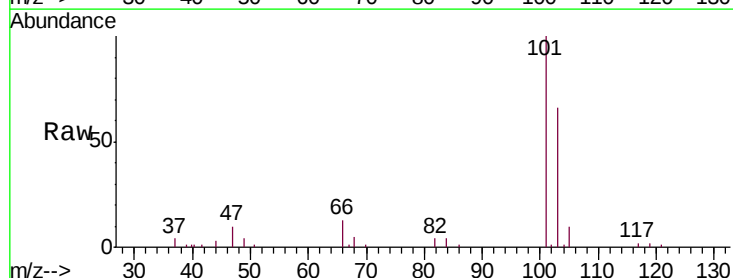
Acq: 17 Feb 2020 11:39

Tgt Ion: 101 Resp: 25613

Ion Ratio Lower Upper

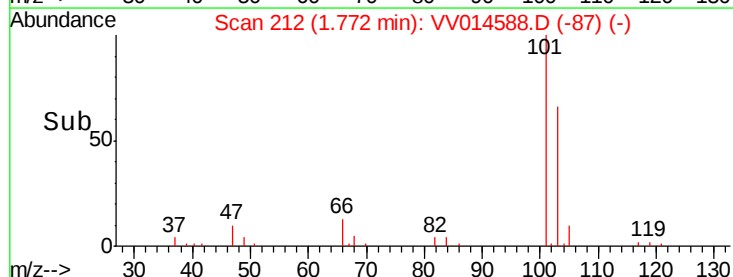
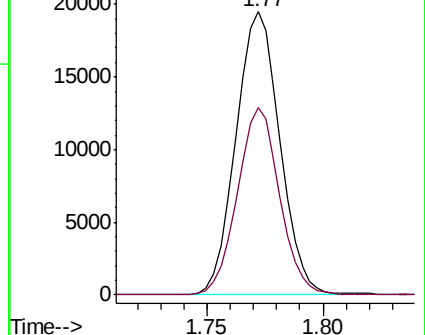
101 100

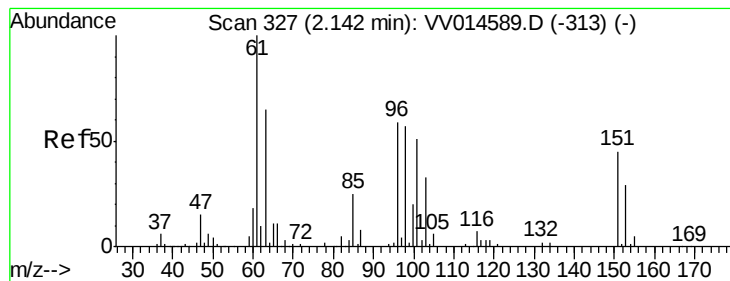
103 63.5 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): VV014589.D (-201) (-)

Ion 103.00 (102.70 to 103.70): VV014589.D (-201) (-)





#10

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

Concen: 9.153 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV014588.D

Acq: 17 Feb 2020 11:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD010203

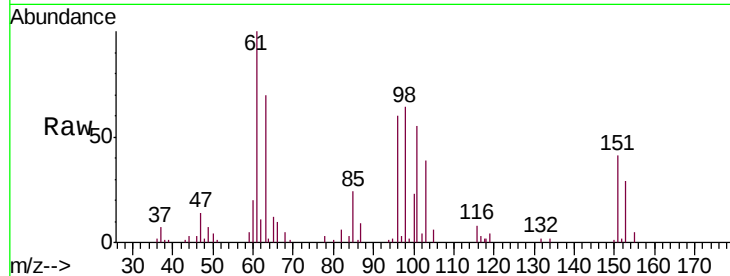
Tgt Ion: 101 Resp: 10967

Ion Ratio Lower Upper

101 100

85 45.8 37.9 56.9

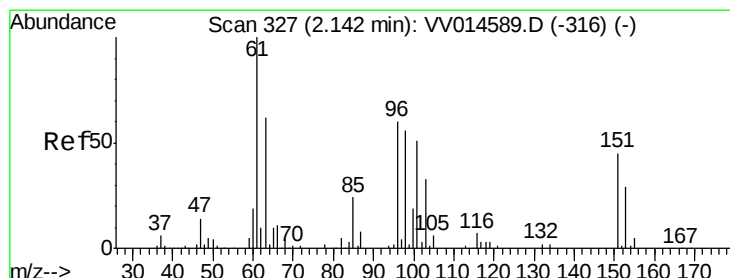
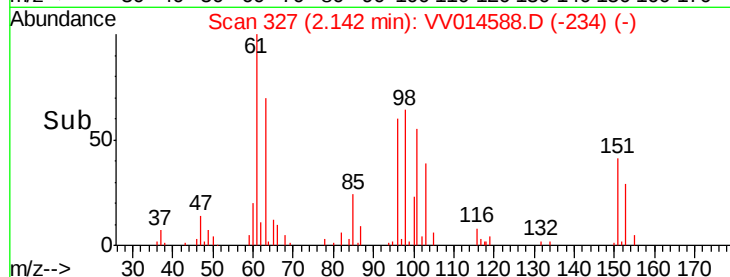
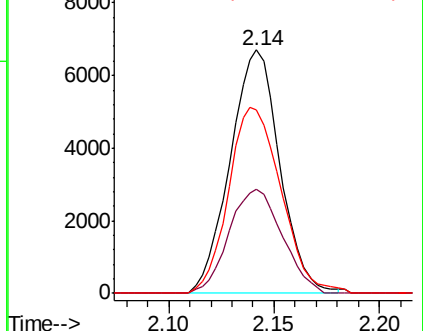
151 80.7 67.7 101.5



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: 8.853 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV014588.D

Acq: 17 Feb 2020 11:39

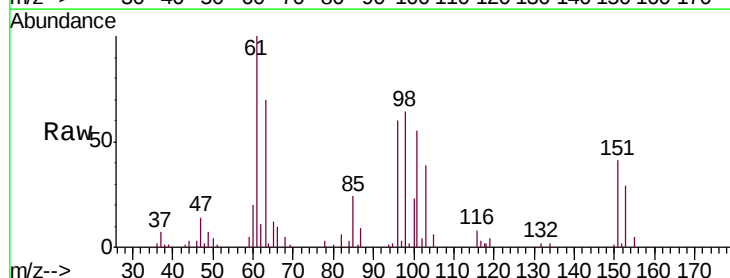
Tgt Ion: 96 Resp: 10140

Ion Ratio Lower Upper

96 100

61 165.4 118.3 219.7

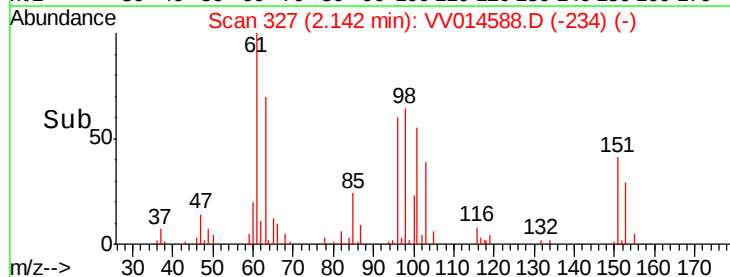
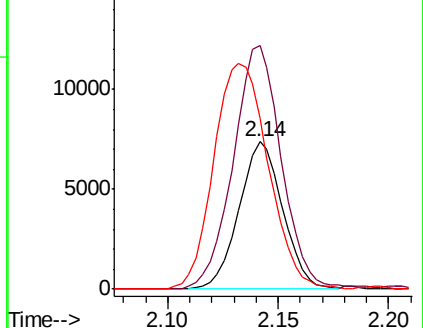
63 116.1 77.5 143.9

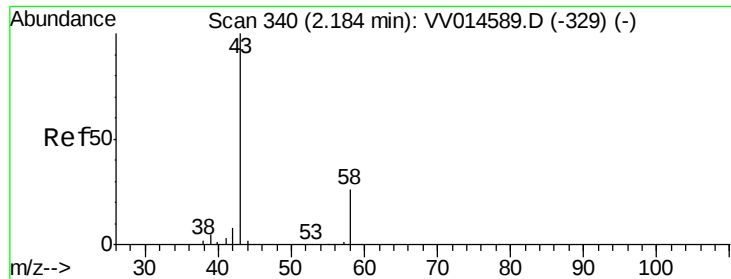


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 19.402 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV014588.D

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MSVOA_V

ClientSampleId :

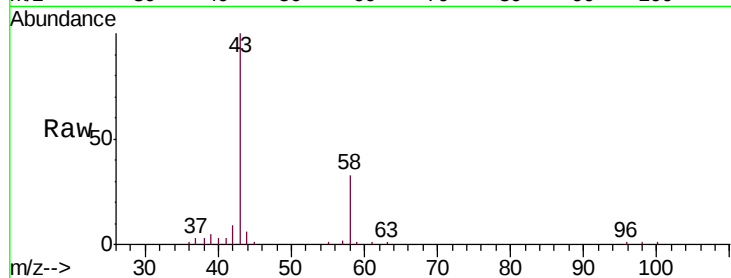
VSTD010203

Tgt Ion: 43 Resp: 20376

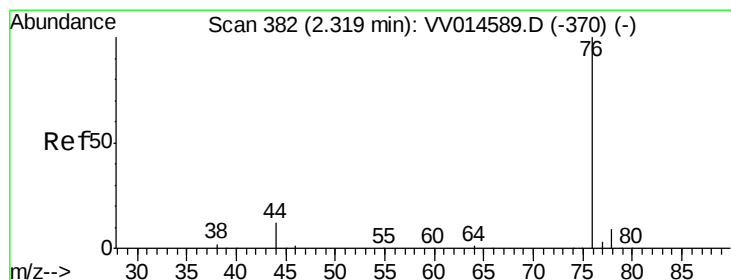
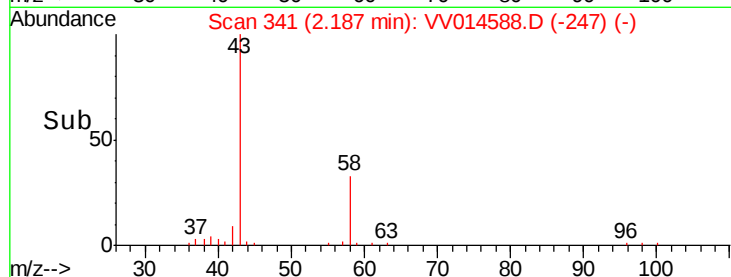
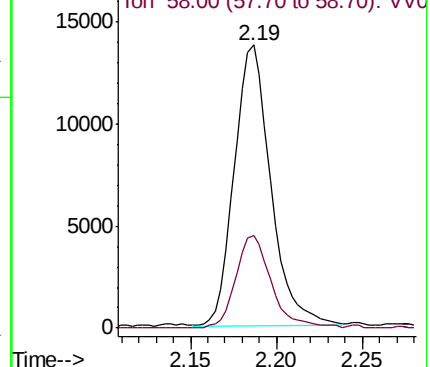
Ion Ratio Lower Upper

43 100

58 32.3 0.0 55.8



Abundance Ion 43.00 (42.70 to 43.70): VV014588.D (-340) (-)



#14

Carbon disulfide

Concen: 8.050 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV014588.D

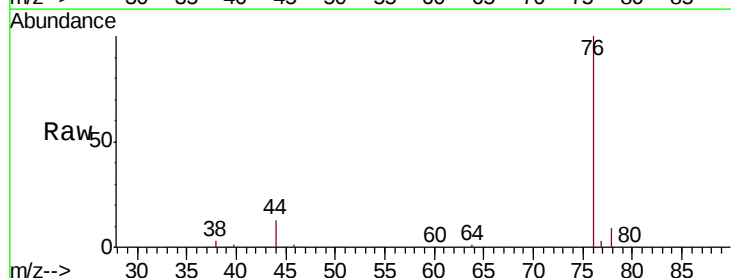
Acq: 17 Feb 2020 11:39

Tgt Ion: 76 Resp: 44293

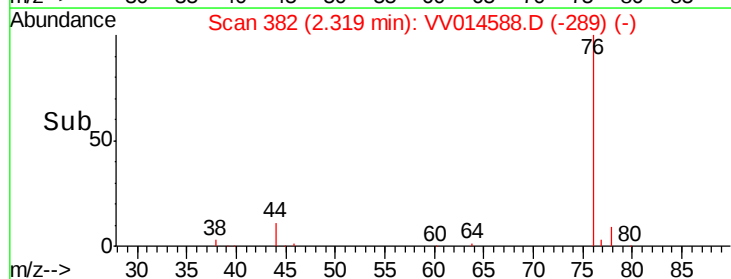
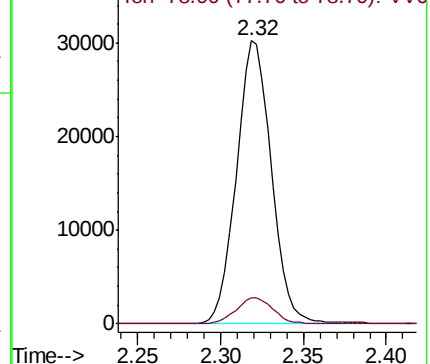
Ion Ratio Lower Upper

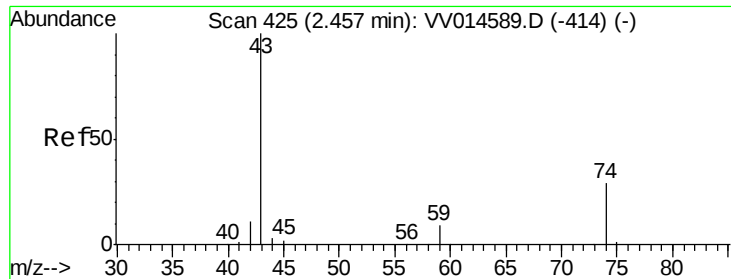
76 100

78 9.2 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VV014588.D (-382) (-)

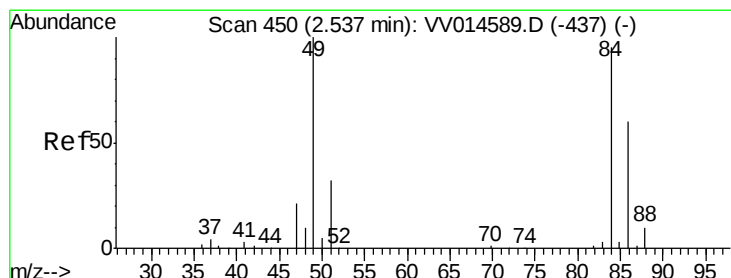
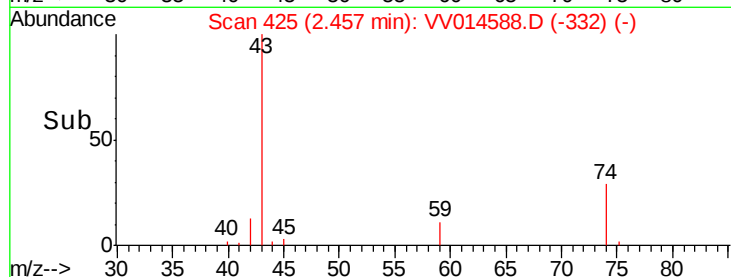
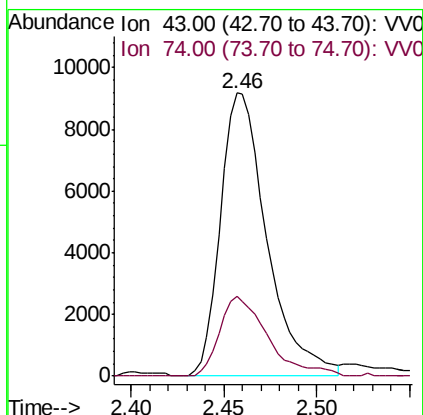
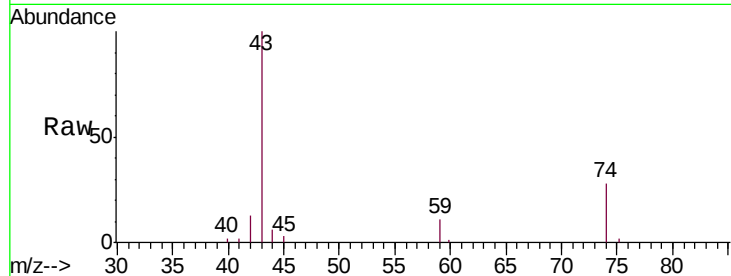




#15
Methyl Acetate
Concen: 8.078 ug/L
RT: 2.46 min Scan# 425
Delta R.T. -0.00 min
Lab File: VV014588.D
Acq: 17 Feb 2020 11:39

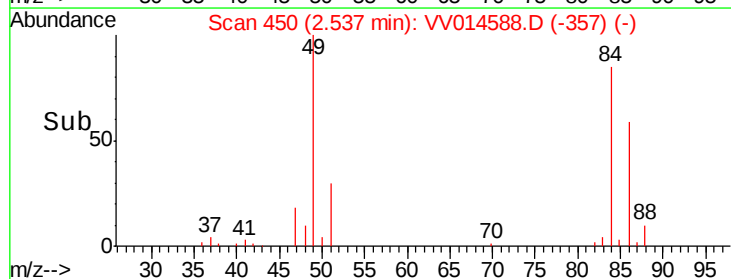
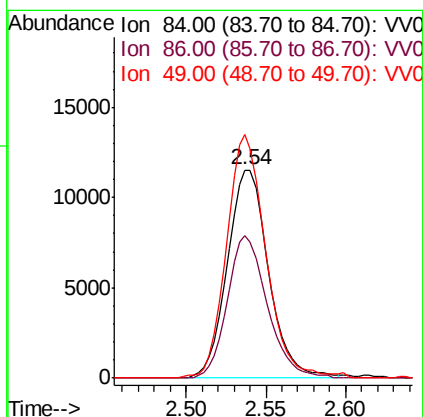
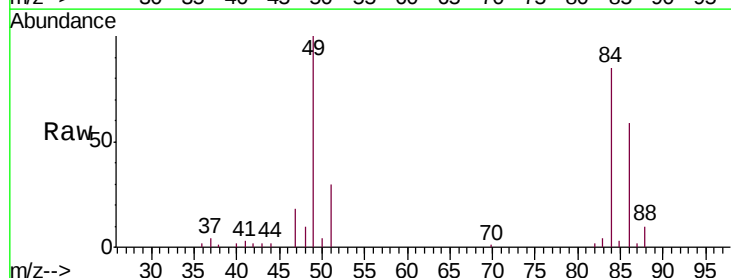
Instrument :
MSVOA_V
ClientSampleId :
VSTD010203

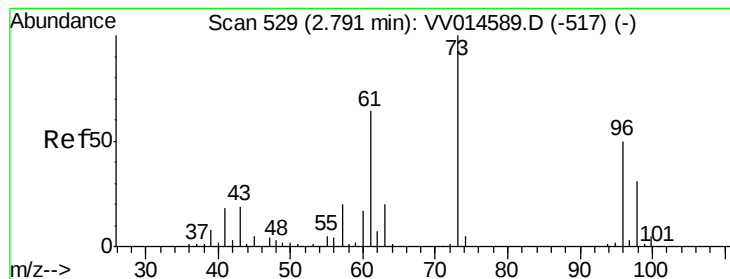
Tgt Ion: 43 Resp: 16002
Ion Ratio Lower Upper
43 100
74 27.9 22.9 34.3



#16
Methylene chloride
Concen: 9.164 ug/L
RT: 2.54 min Scan# 450
Delta R.T. -0.00 min
Lab File: VV014588.D
Acq: 17 Feb 2020 11:39

Tgt Ion: 84 Resp: 20236
Ion Ratio Lower Upper
84 100
86 68.8 44.0 81.8
49 117.1 74.0 137.4





#17

trans-1,2-Dichloroethene

Concen: 9.205 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV014588.D

Acq: 17 Feb 2020 11:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD010203

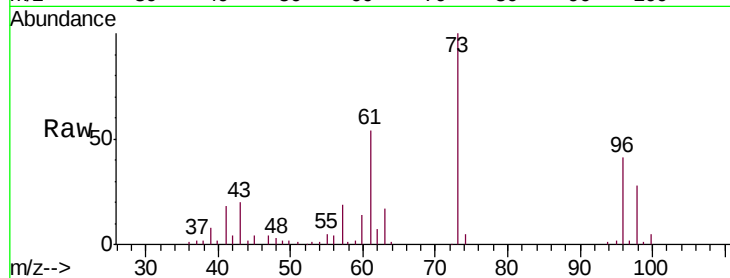
Tgt Ion: 96 Resp: 18799

Ion Ratio Lower Upper

96 100

61 131.8 90.6 168.3

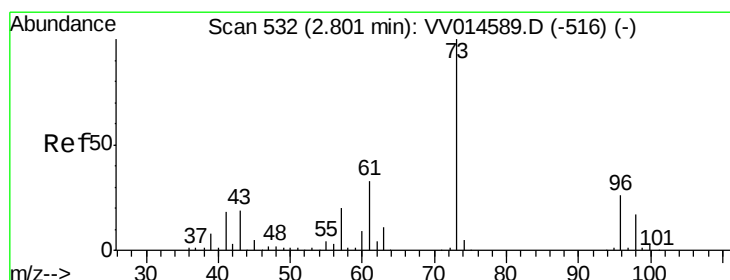
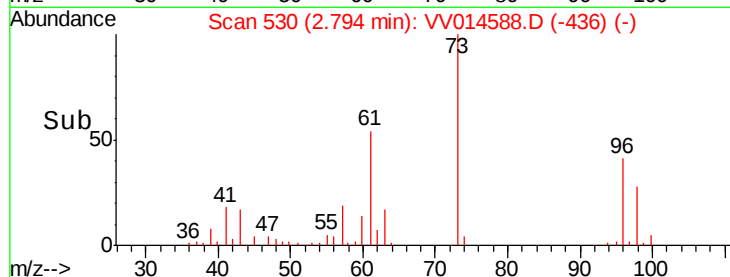
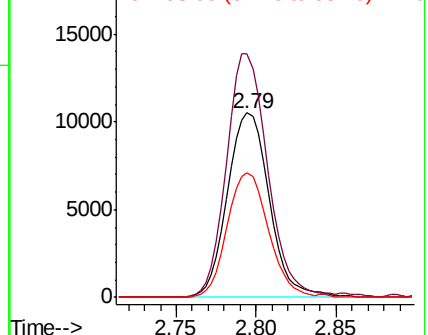
98 67.3 44.2 82.2



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: 9.471 ug/L

RT: 2.80 min Scan# 532

Delta R.T. -0.00 min

Lab File: VV014588.D

Acq: 17 Feb 2020 11:39

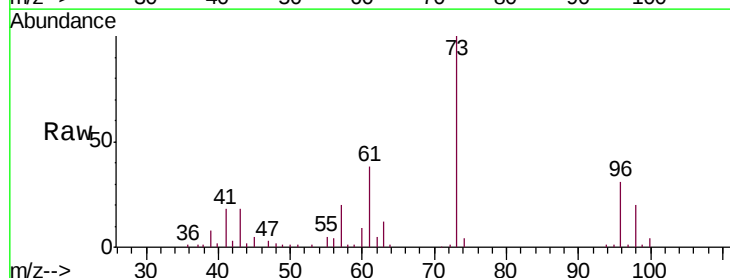
Tgt Ion: 73 Resp: 61725

Ion Ratio Lower Upper

73 100

43 19.4 14.7 22.1

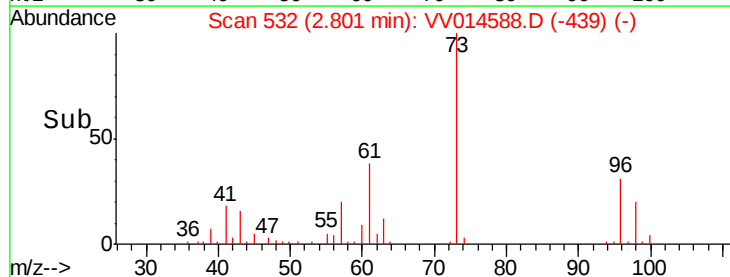
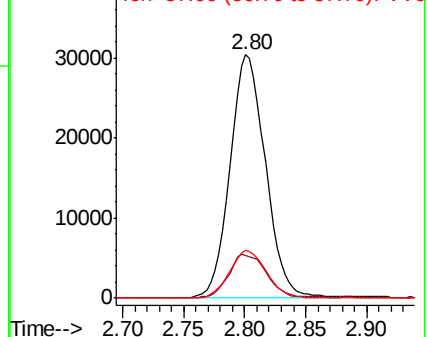
57 20.2 16.2 24.4

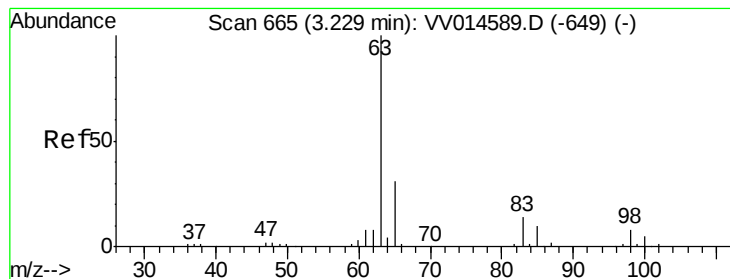


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 8.901 ug/L

RT: 3.23 min Scan# 665

Delta R.T. -0.00 min

Lab File: VV014588.D

Acq: 17 Feb 2020 11:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD010203

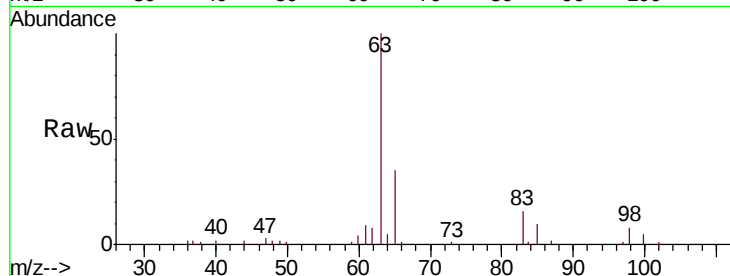
Tgt Ion: 63 Resp: 32506

Ion Ratio Lower Upper

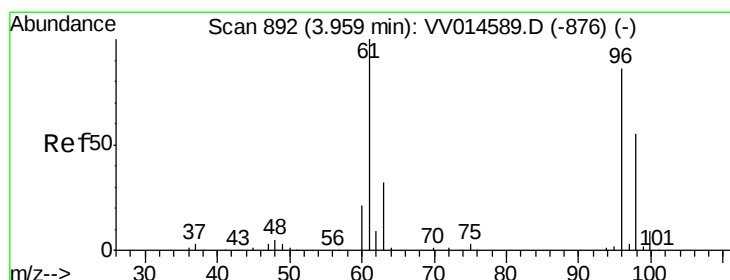
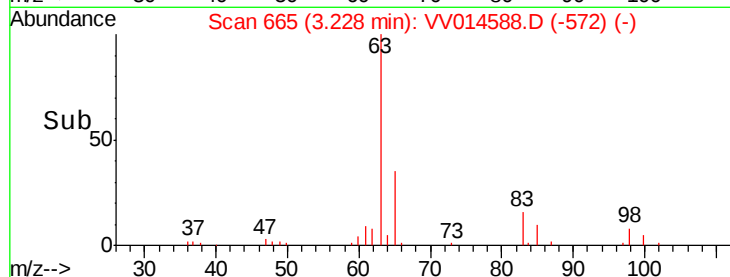
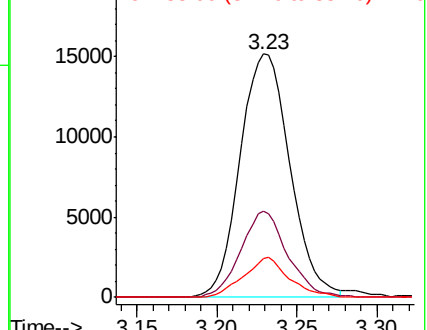
63 100

65 35.3 21.8 40.4

83 17.0 9.9 18.3



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: 9.323 ug/L

RT: 3.96 min Scan# 893

Delta R.T. 0.00 min

Lab File: VV014588.D

Acq: 17 Feb 2020 11:39

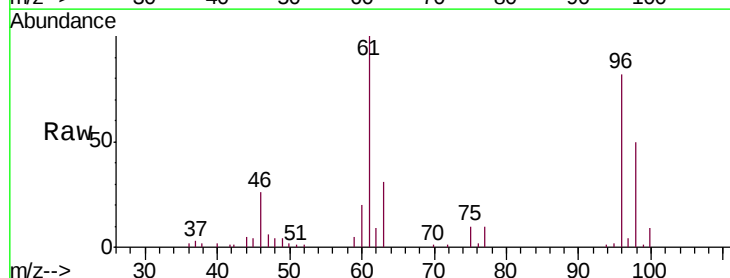
Tgt Ion: 96 Resp: 21509

Ion Ratio Lower Upper

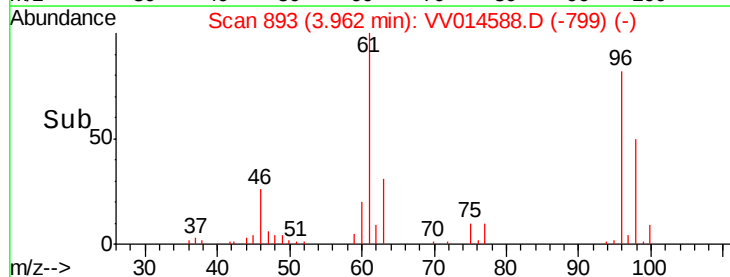
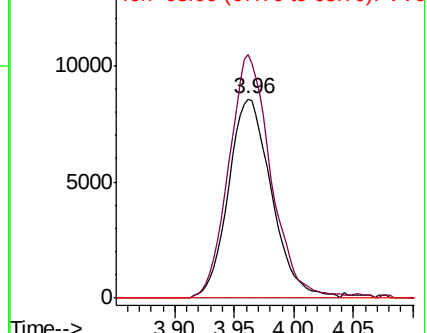
96 100

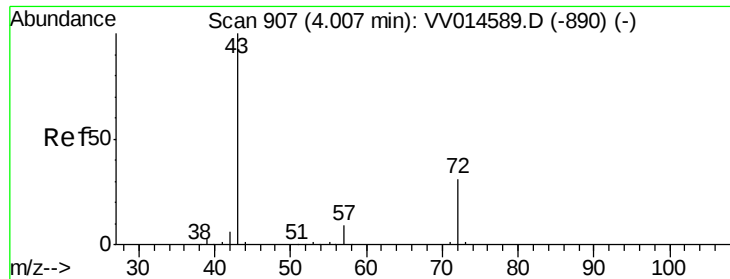
61 122.2 81.4 151.2

68 0.0 0.0 0.0



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





#22

2-Butanone

Concen: 15.983 ug/L

RT: 4.02 min Scan# 910

Delta R.T. 0.01 min

Lab File: VV014588.D

Acq: 17 Feb 2020 11:39

Instrument :

MSVOA_V

ClientSampleId :

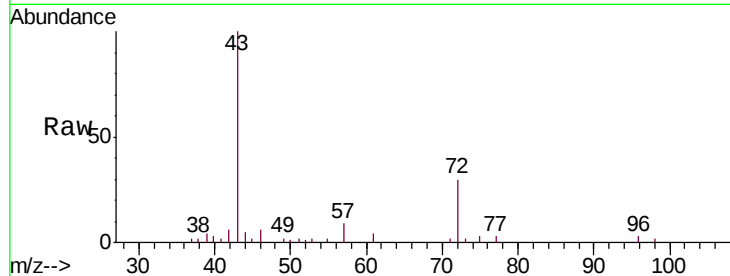
VSTD010203

Tgt Ion: 43 Resp: 24592

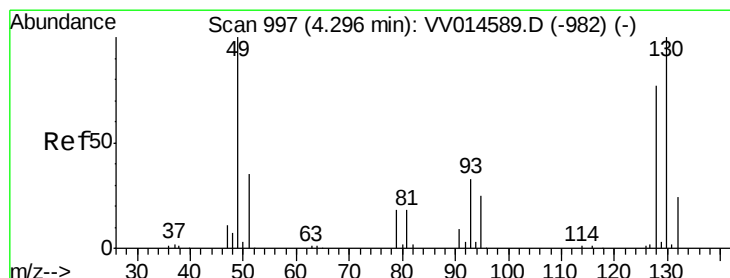
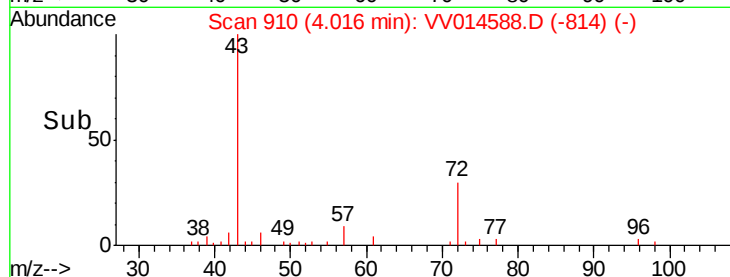
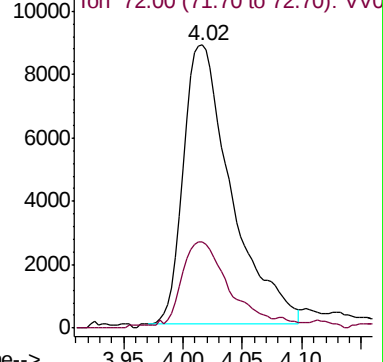
Ion Ratio Lower Upper

43 100

72 27.7 15.1 45.3



Abundance Ion 43.00 (42.70 to 43.70): VV014588.D (-910) (-)



#23

Bromochloromethane

Concen: 9.204 ug/L

RT: 4.30 min Scan# 997

Delta R.T. -0.00 min

Lab File: VV014588.D

Acq: 17 Feb 2020 11:39

Tgt Ion: 128 Resp: 10159

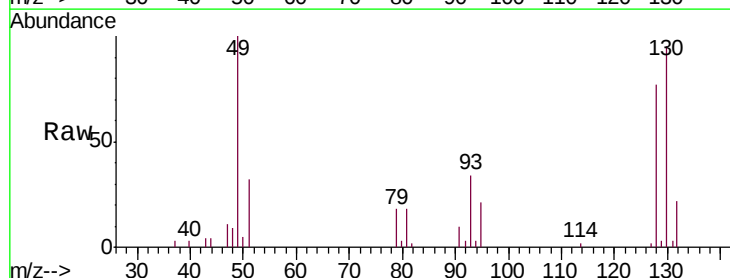
Ion Ratio Lower Upper

128 100

49 130.3 91.7 170.3

130 123.8 91.4 169.8

51 41.8 36.2 54.2

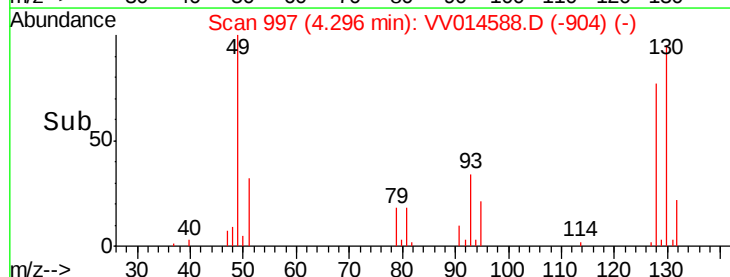
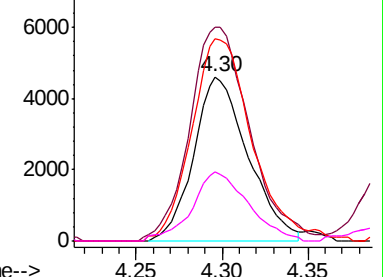


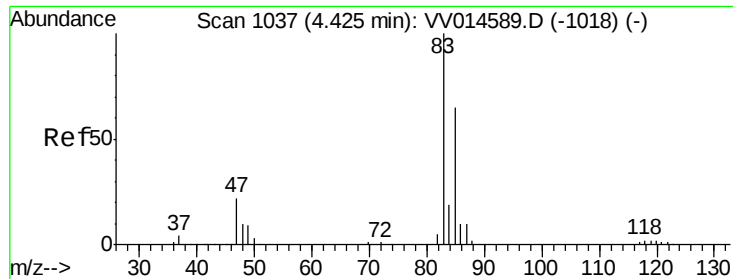
Abundance Ion 128.00 (127.70 to 128.70): VV014588.D (-997) (-)

Ion 49.00 (48.70 to 49.70): VV014588.D (-997) (-)

Ion 130.00 (129.70 to 130.70): VV014588.D (-997) (-)

Ion 51.00 (50.70 to 51.70): VV014588.D (-997) (-)

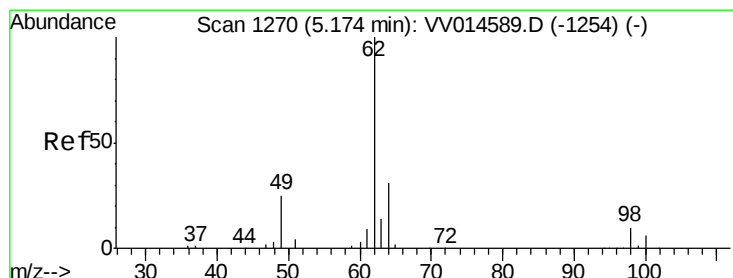
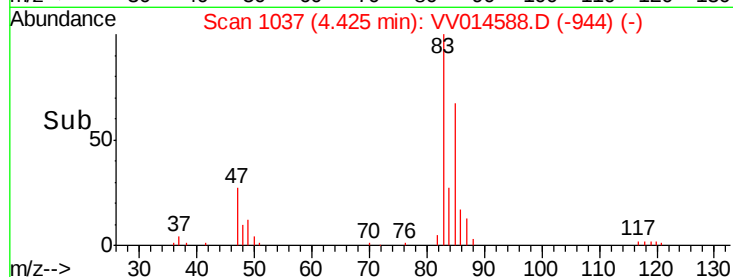
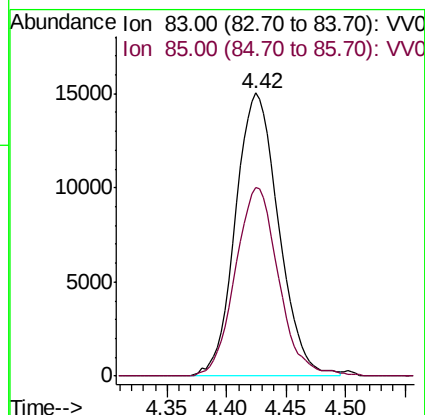
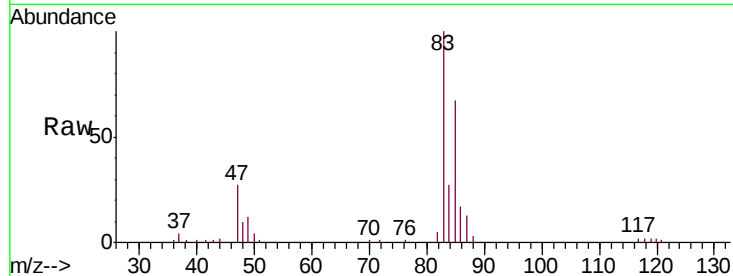




#25
Chloroform
Concen: 10.020 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV014588.D
Acq: 17 Feb 2020 11:39

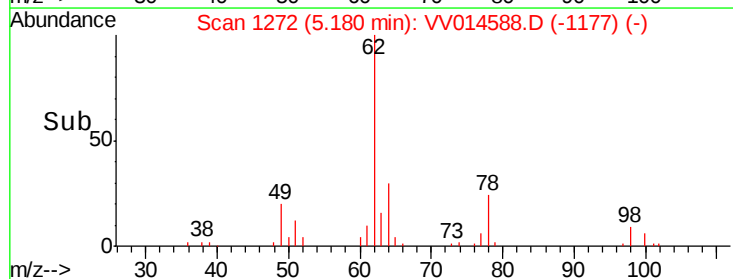
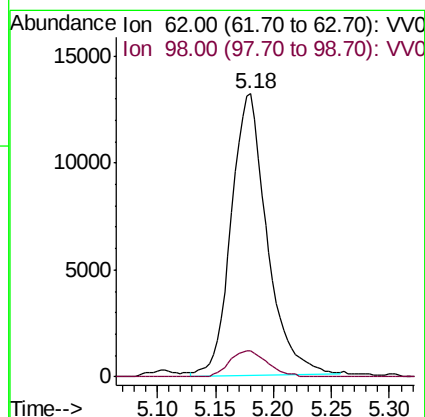
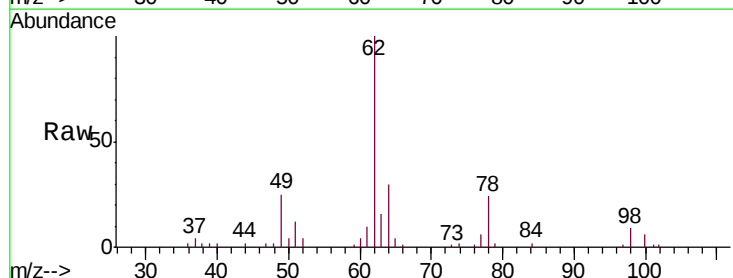
Instrument :
MSVOA_V
ClientSampleId :
VSTD010203

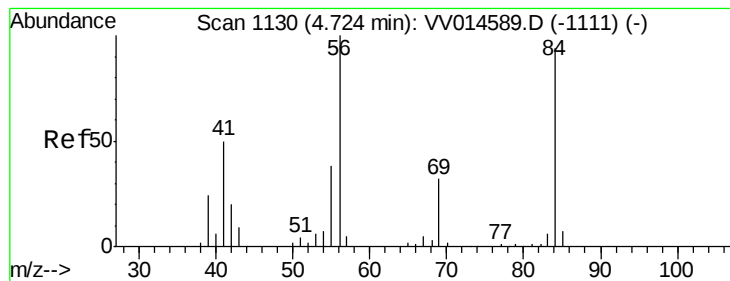
Tgt Ion: 83 Resp: 37795
Ion Ratio Lower Upper
83 100
85 66.7 45.4 84.4



#27
1,2-Dichloroethane
Concen: 10.042 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.01 min
Lab File: VV014588.D
Acq: 17 Feb 2020 11:39

Tgt Ion: 62 Resp: 28193
Ion Ratio Lower Upper
62 100
98 9.3 8.1 12.1





#29

Cyclohexane

Concen: 8.418 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VV014588.D

Acq: 17 Feb 2020 11:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD010203

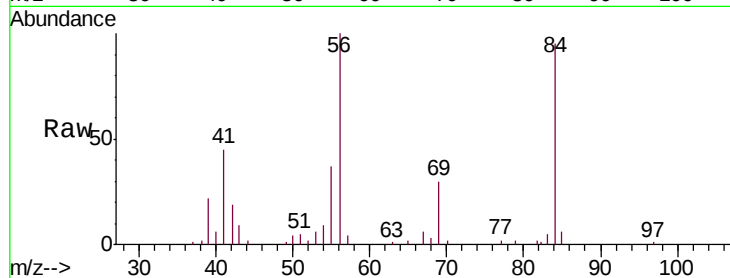
Tgt Ion: 56 Resp: 28851

Ion Ratio Lower Upper

56 100

69 32.5 26.6 39.8

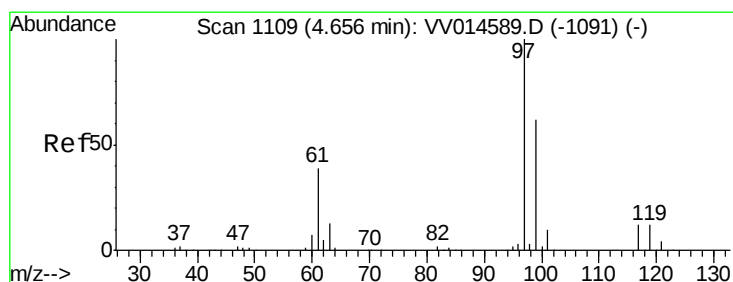
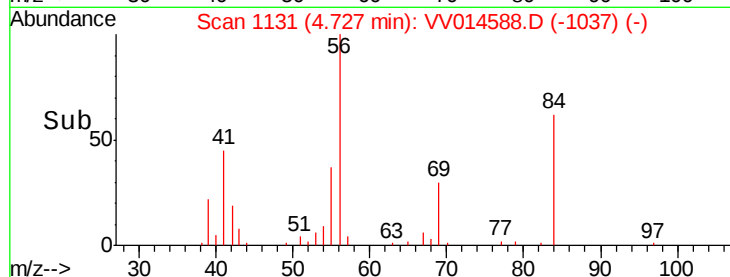
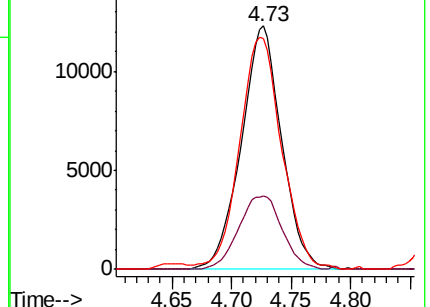
84 99.6 76.6 114.8



Abundance Ion 56.00 (55.70 to 56.70): VV014589.D (-1111) (-)

Ion 69.00 (68.70 to 69.70): VV014589.D (-1111) (-)

Ion 84.00 (83.70 to 84.70): VV014589.D (-1111) (-)



#30

1,1,1-Trichloroethane

Concen: 9.659 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VV014588.D

Acq: 17 Feb 2020 11:39

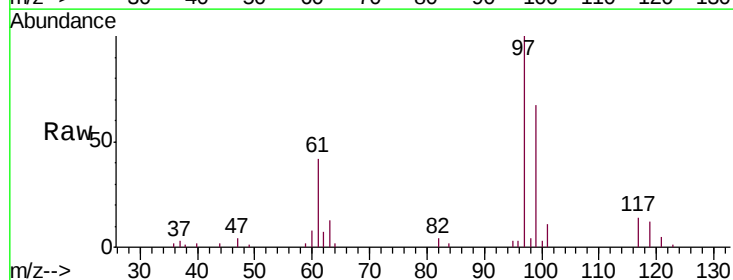
Tgt Ion: 97 Resp: 32034

Ion Ratio Lower Upper

97 100

99 66.2 50.6 76.0

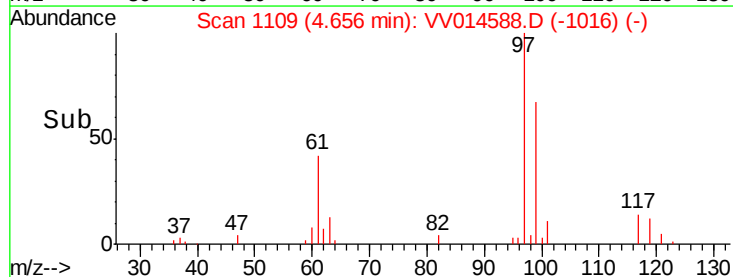
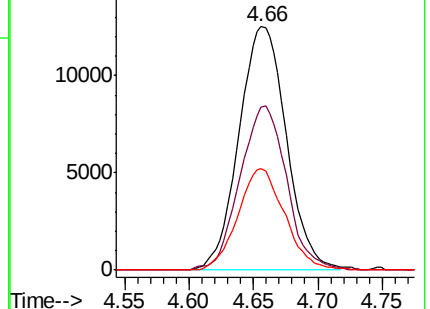
61 41.0 31.6 47.4

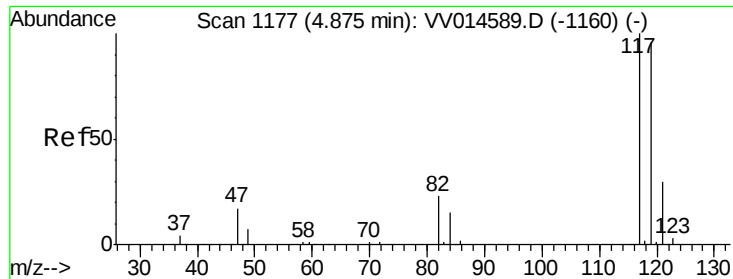


Abundance Ion 97.00 (96.70 to 97.70): VV014589.D (-1091) (-)

Ion 99.00 (98.70 to 99.70): VV014589.D (-1091) (-)

Ion 61.05 (60.75 to 61.75): VV014589.D (-1091) (-)





#31

Carbon tetrachloride

Concen: 9.899 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV014588.D

Acq: 17 Feb 2020 11:39

Instrument :

MSVOA_V

ClientSampleId :

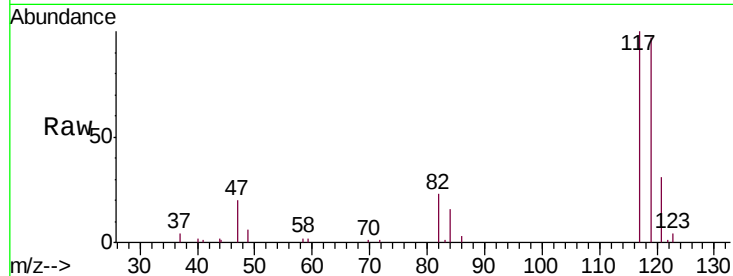
VSTD010203

Tgt Ion:117 Resp: 29113

Ion Ratio Lower Upper

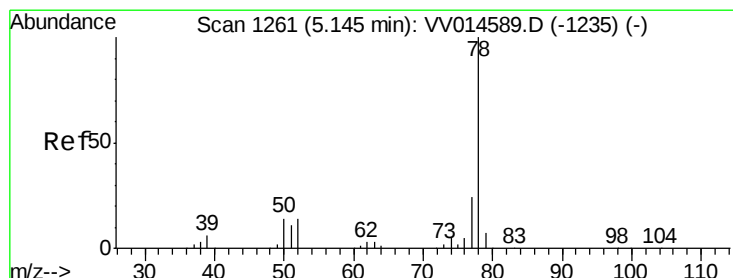
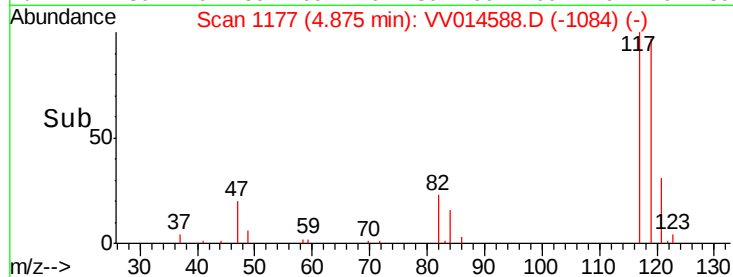
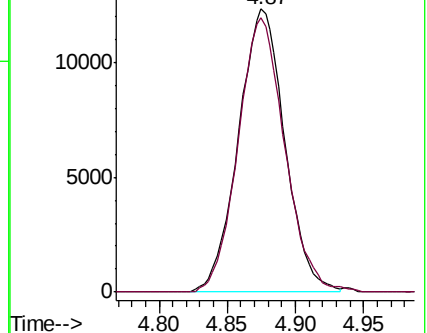
117 100

119 97.4 76.2 114.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 9.082 ug/L

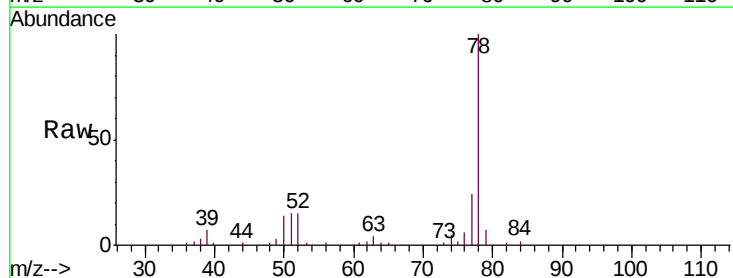
RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

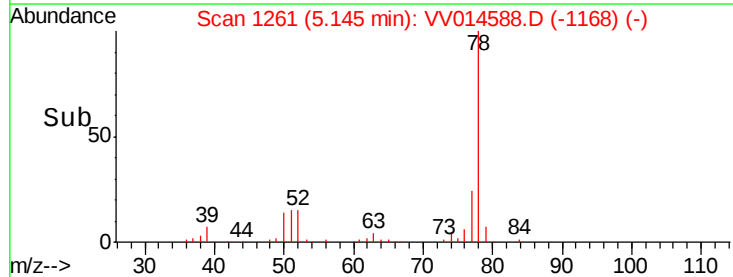
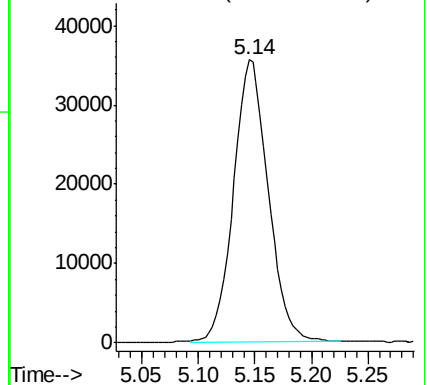
Lab File: VV014588.D

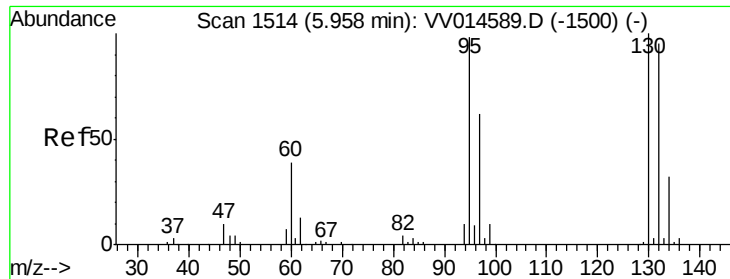
Acq: 17 Feb 2020 11:39

Tgt Ion: 78 Resp: 75990



Abundance Ion 78.00 (77.70 to 78.70): VV0

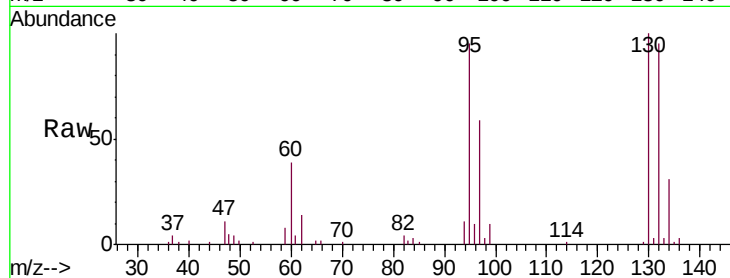




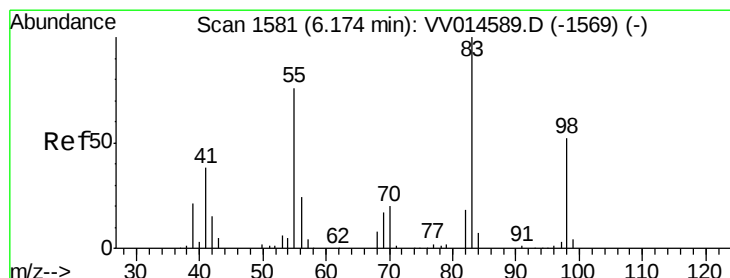
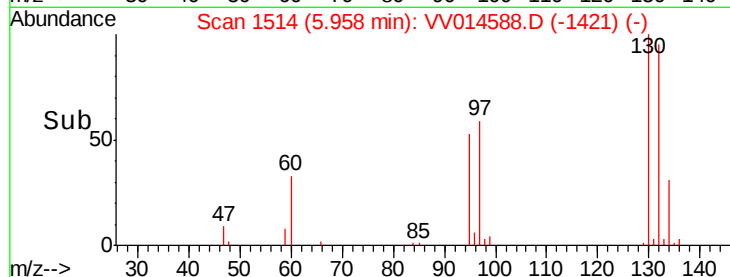
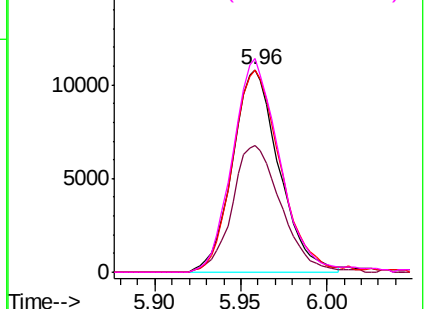
#34
 Trichloroethene
 Concen: 9.131 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. -0.00 min
 Lab File: VV014588.D
 Acq: 17 Feb 2020 11:39

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010203

Tgt Ion: 95 Resp: 20409
 Ion Ratio Lower Upper
 95 100
 97 62.5 44.4 82.4
 132 100.0 67.8 125.8
 130 105.5 71.4 132.6

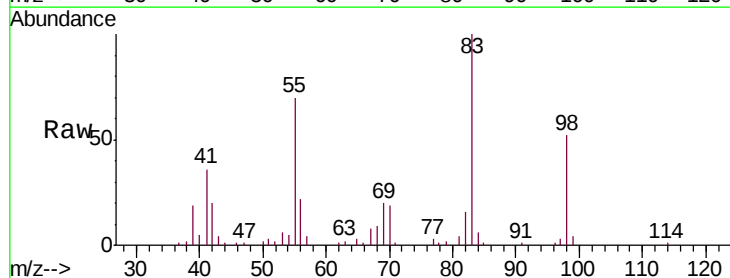


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

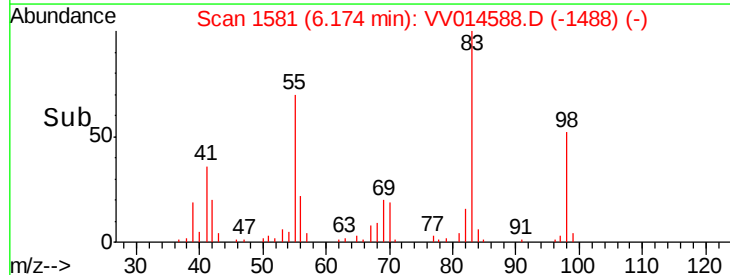
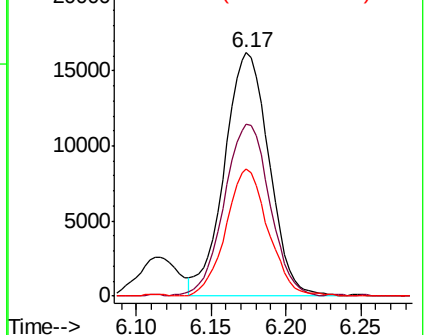


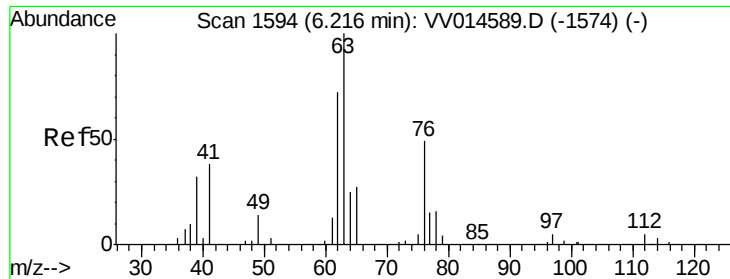
#35
 Methylcyclohexane
 Concen: 9.323 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VV014588.D
 Acq: 17 Feb 2020 11:39

Tgt Ion: 83 Resp: 33706
 Ion Ratio Lower Upper
 83 100
 55 72.1 57.4 86.2
 98 49.4 40.4 60.6



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 55.00 (54.70 to 55.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 8.723 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VV014588.D

Acq: 17 Feb 2020 11:39

Instrument :

MSVOA_V

ClientSampleId :

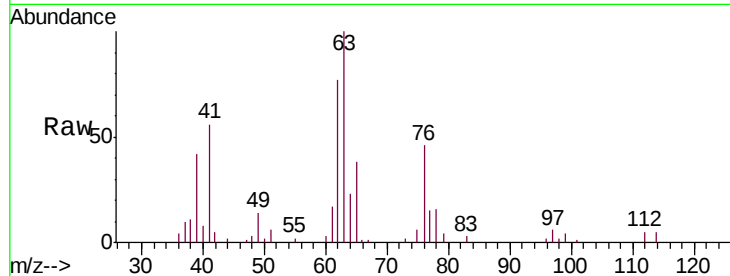
VSTD010203

Tgt Ion: 63 Resp: 18490

Ion Ratio Lower Upper

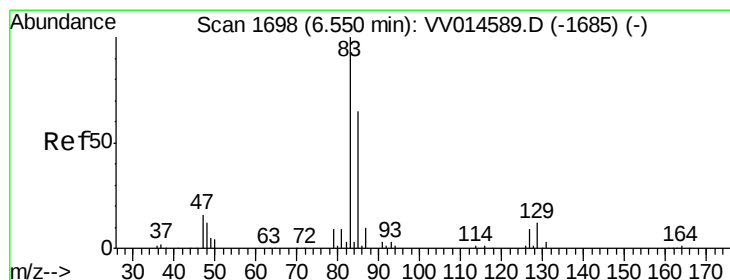
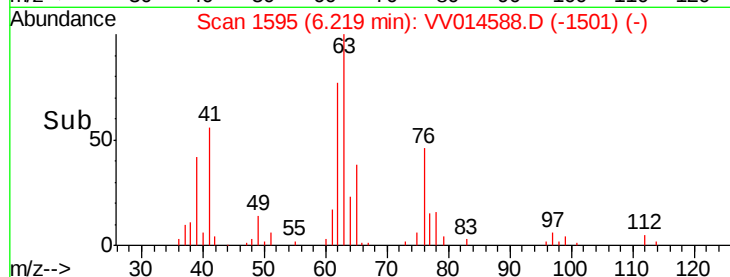
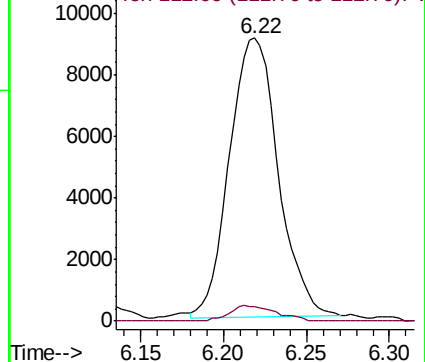
63 100

112 4.9 4.2 6.2



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 112.00 (111.70 to 112.70): V



#38

Bromodichloromethane

Concen: 9.922 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VV014588.D

Acq: 17 Feb 2020 11:39

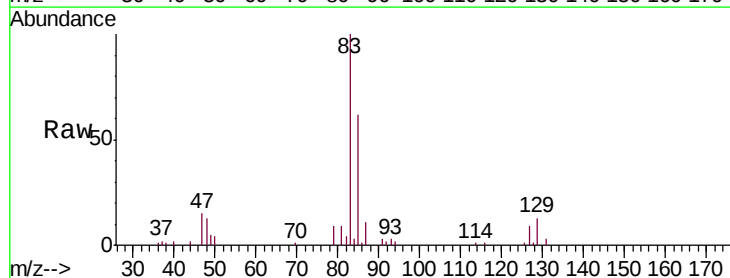
Tgt Ion: 83 Resp: 28846

Ion Ratio Lower Upper

83 100

85 62.0 45.5 84.5

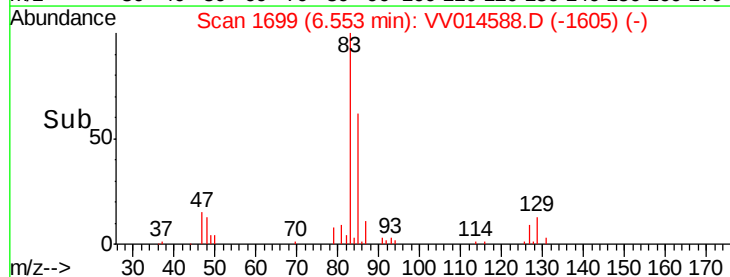
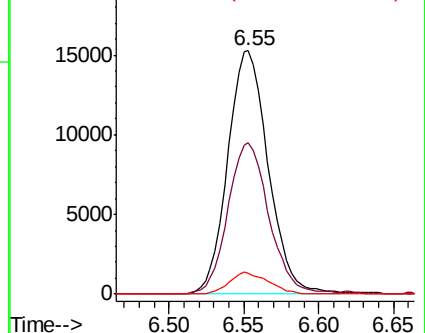
127 8.6 7.1 10.7

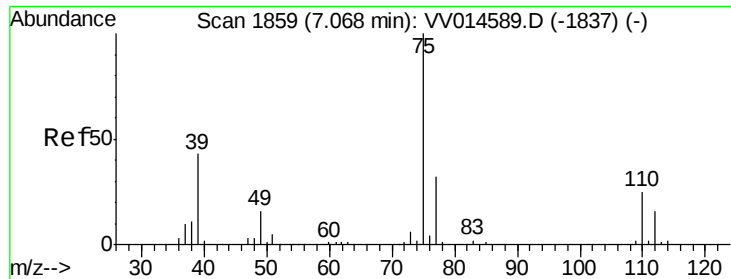


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 127.00 (126.70 to 127.70): V



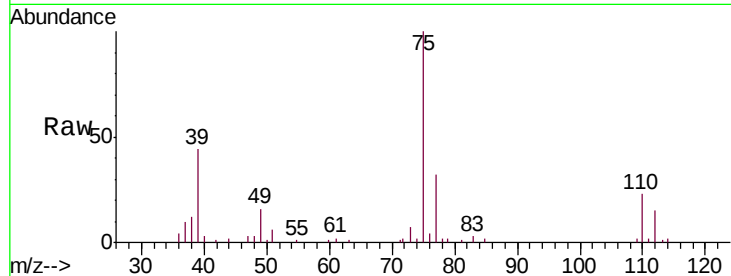


#39

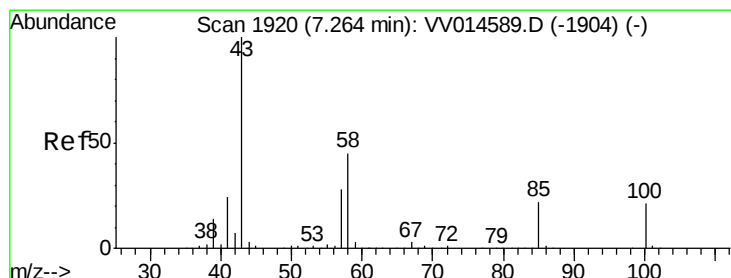
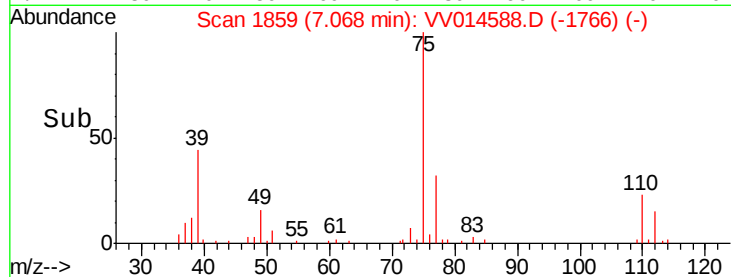
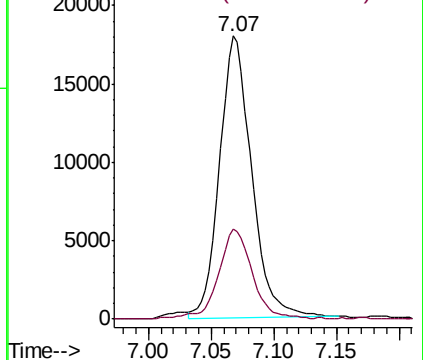
cis-1,3-Dichloropropene
 Concen: 8.917 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VV014588.D
 Acq: 17 Feb 2020 11:39

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010203

Tgt Ion: 75 Resp: 31993
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.3 41.5



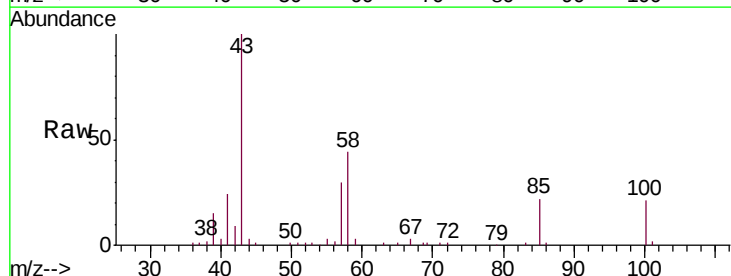
Abundance Ion 75.00 (74.70 to 75.70): VV014588.D (-1766) (-)
 Ion 77.00 (76.70 to 77.70): VV014588.D (-1766) (-)



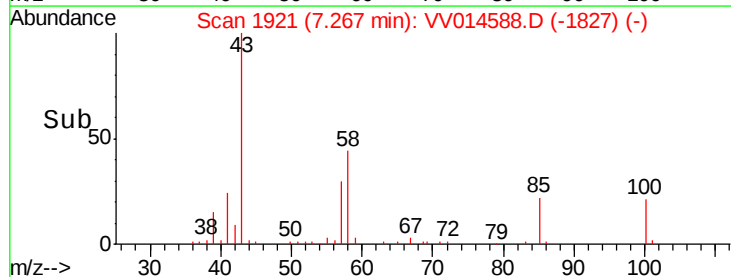
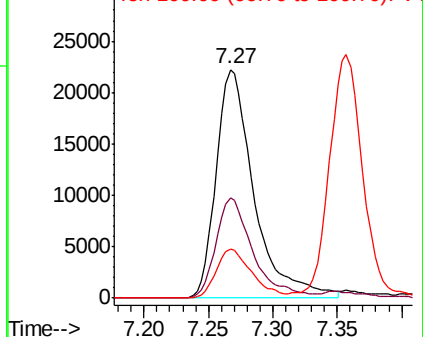
#40

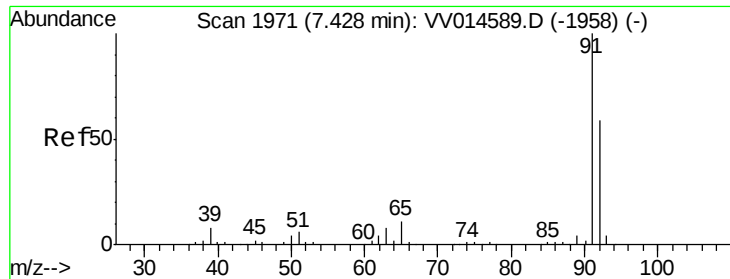
4-Methyl-2-pentanone
 Concen: 16.720 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VV014588.D
 Acq: 17 Feb 2020 11:39

Tgt Ion: 43 Resp: 45409
 Ion Ratio Lower Upper
 43 100
 58 42.5 35.6 53.4
 100 20.4 16.0 24.0



Abundance Ion 43.00 (42.70 to 43.70): VV014588.D (-1827) (-)
 Ion 58.00 (57.70 to 58.70): VV014588.D (-1827) (-)
 Ion 100.00 (99.70 to 100.70): VV014588.D (-1827) (-)





#42

Toluene

Concen: 9.468 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV014588.D

Acq: 17 Feb 2020 11:39

Instrument :

MSVOA_V

ClientSampleId :

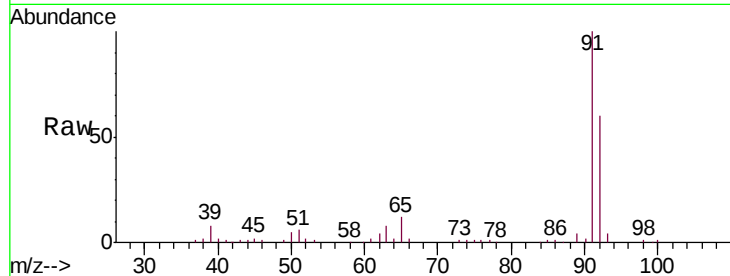
VSTD010203

Tgt Ion: 91 Resp: 85566

Ion Ratio Lower Upper

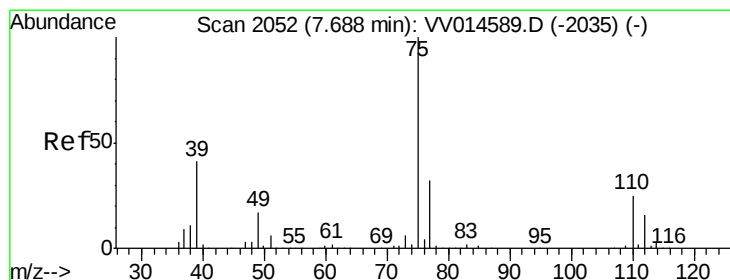
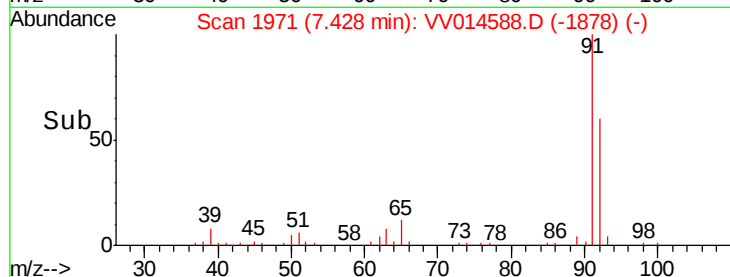
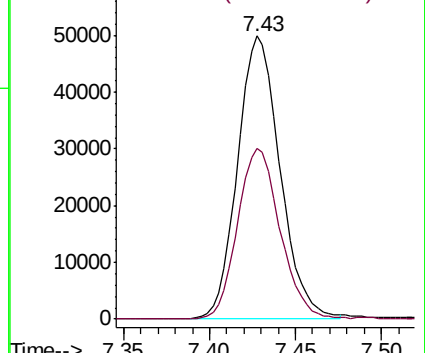
91 100

92 60.5 41.2 76.6



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 9.359 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV014588.D

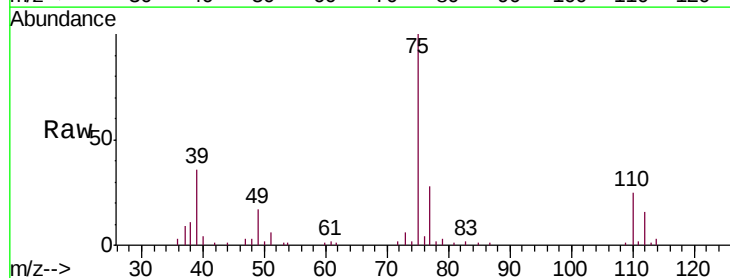
Acq: 17 Feb 2020 11:39

Tgt Ion: 75 Resp: 30118

Ion Ratio Lower Upper

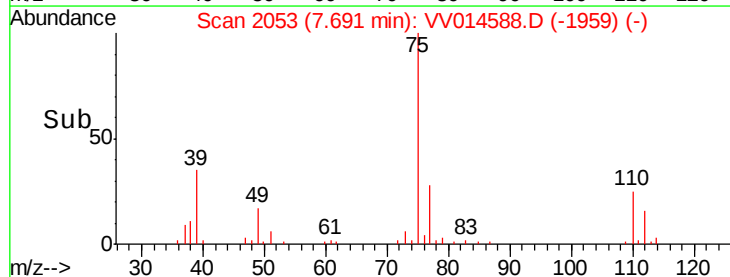
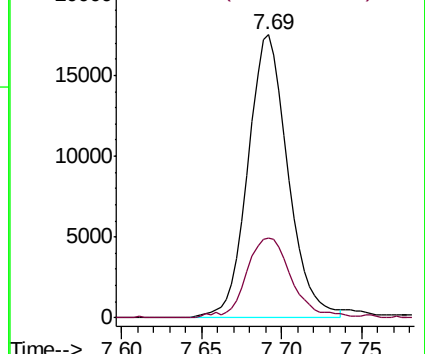
75 100

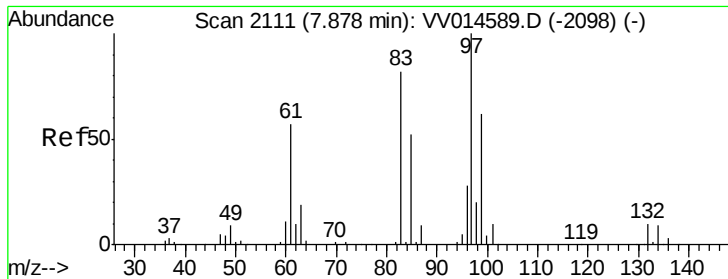
77 28.4 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





#45

1,1,2-Trichloroethane

Concen: 9.715 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VV014588.D

Acq: 17 Feb 2020 11:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD010203

Tgt Ion: 97 Resp: 20152

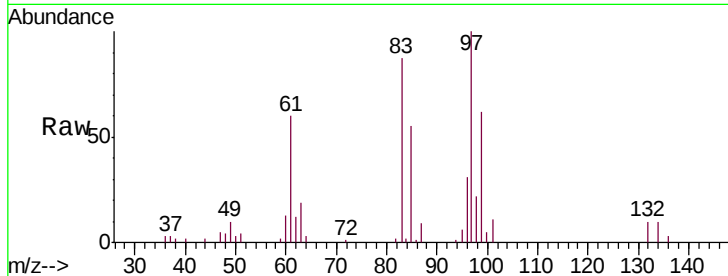
Ion Ratio Lower Upper

97 100

99 62.1 43.4 80.6

83 86.7 57.6 107.0

85 54.6 36.1 67.1

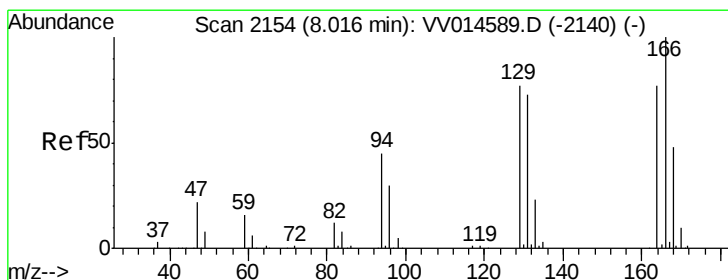
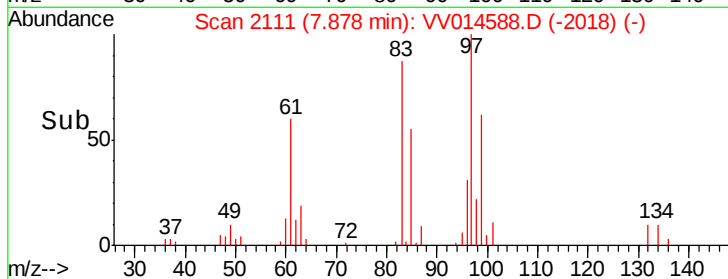
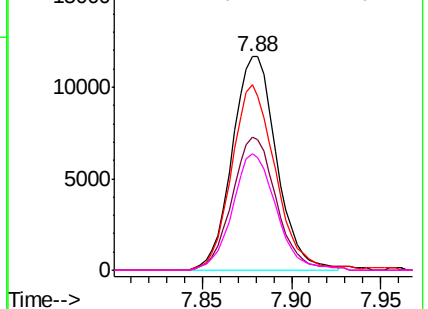


Abundance Ion 97.00 (96.70 to 97.70): VV0

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: 10.027 ug/L

RT: 8.01 min Scan# 2153

Delta R.T. -0.00 min

Lab File: VV014588.D

Acq: 17 Feb 2020 11:39

Tgt Ion: 164 Resp: 17120

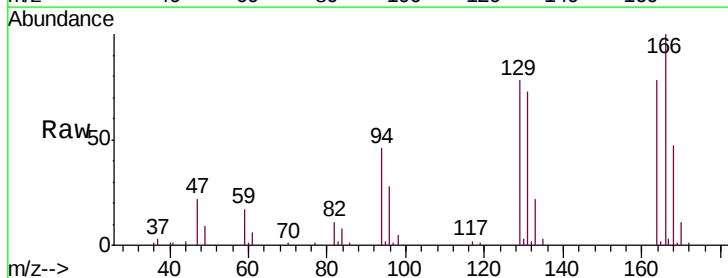
Ion Ratio Lower Upper

164 100

129 99.1 69.8 129.6

131 93.0 66.2 123.0

166 127.6 90.9 168.9

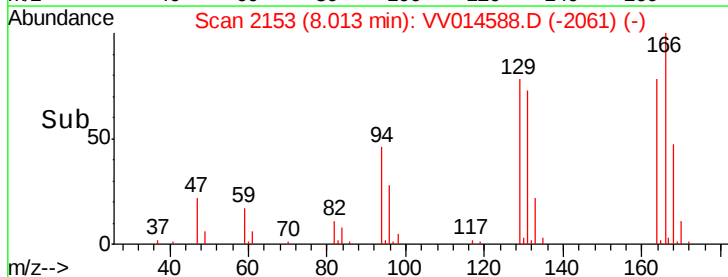
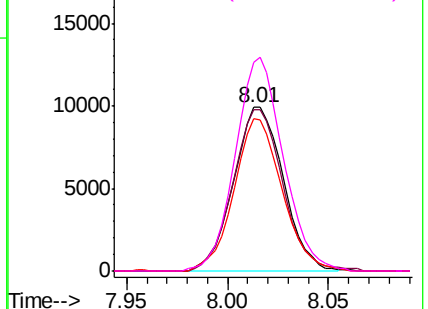


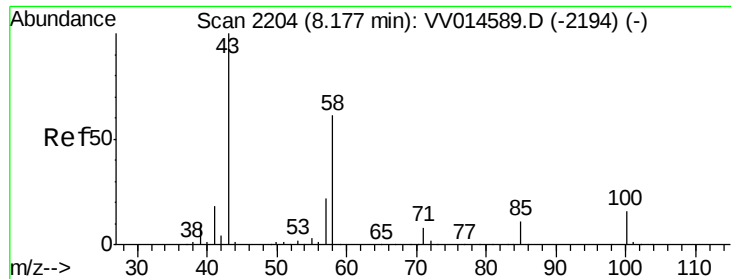
Abundance Ion 164.00 (163.70 to 164.70): V

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

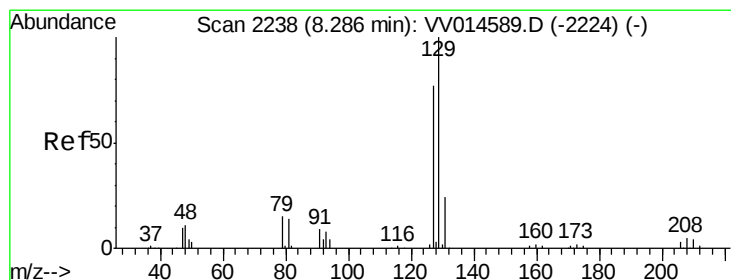
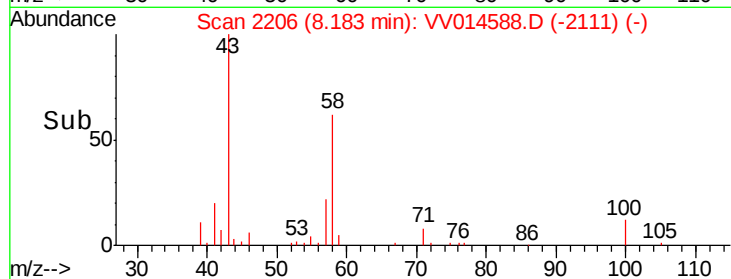
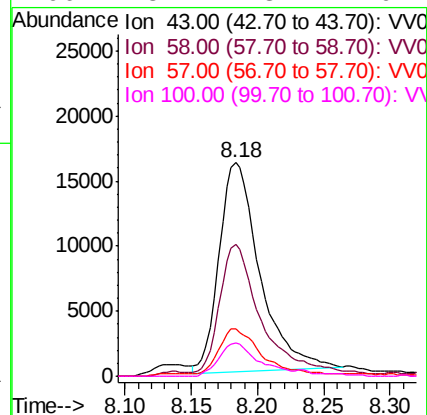
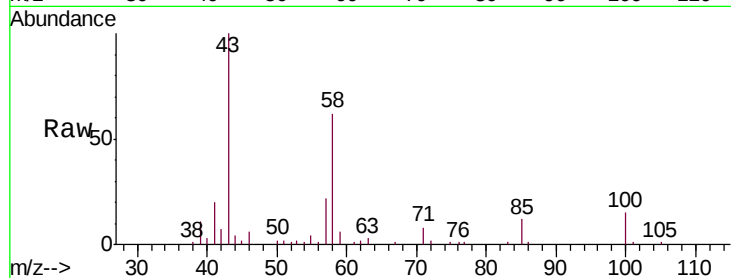




#48
2-Hexanone
Concen: 16.463 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.01 min
Lab File: VV014588.D
Acq: 17 Feb 2020 11:39

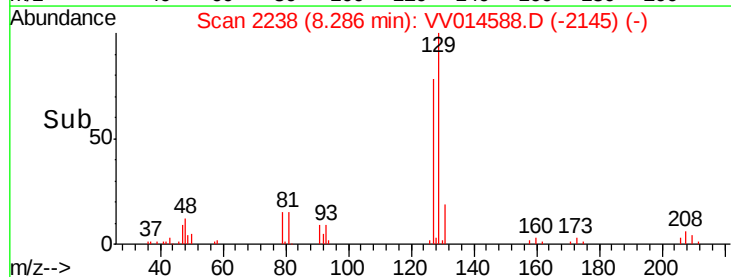
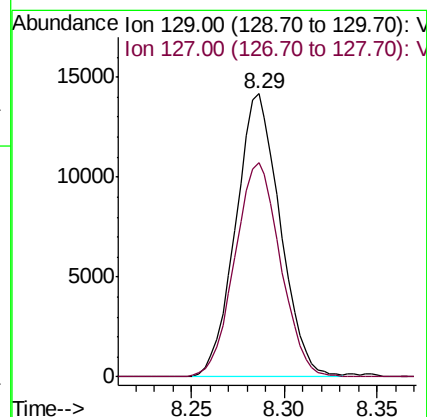
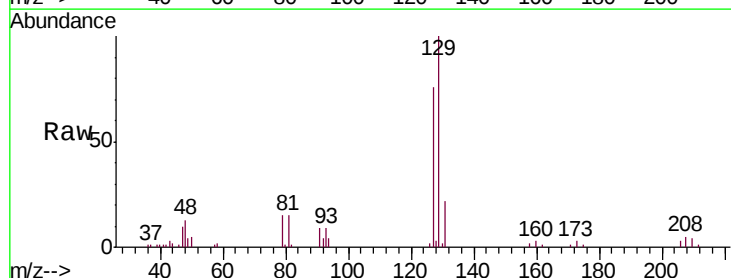
Instrument :
MSVOA_V
ClientSampleId :
VSTD010203

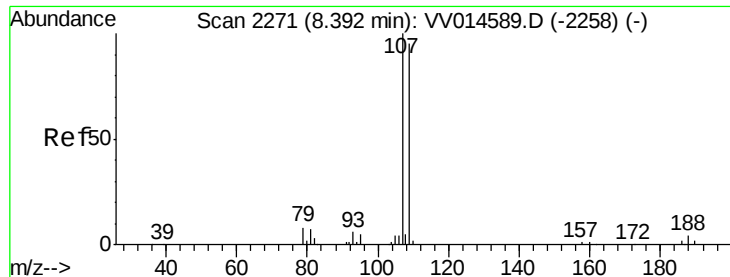
Tgt Ion:	43	Resp:	34235
Ion	Ratio	Lower	Upper
43	100		
58	61.5	49.8	74.6
57	21.8	17.0	25.6
100	15.4	13.4	20.2



#49
Dibromochloromethane
Concen: 9.945 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. -0.00 min
Lab File: VV014588.D
Acq: 17 Feb 2020 11:39

Tgt Ion:	129	Resp:	23587
Ion	Ratio	Lower	Upper
129	100		
127	75.8	53.8	100.0

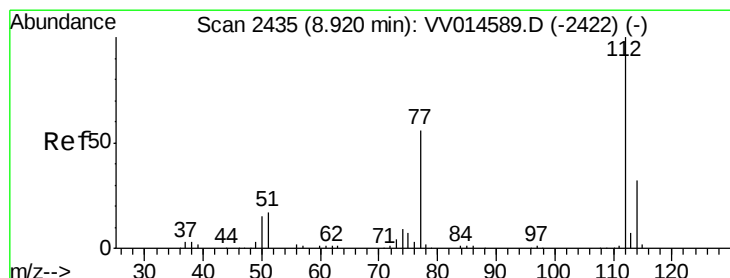
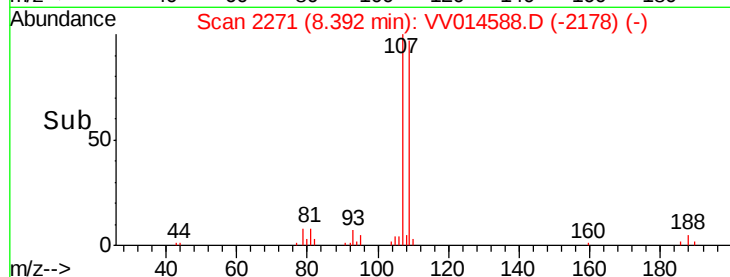
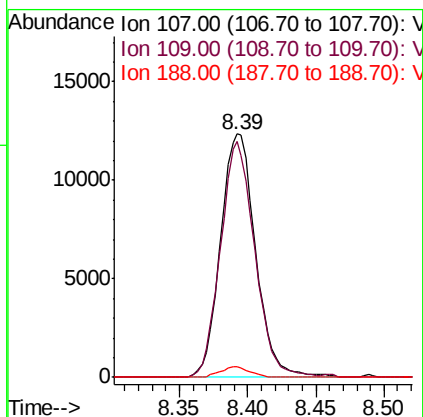
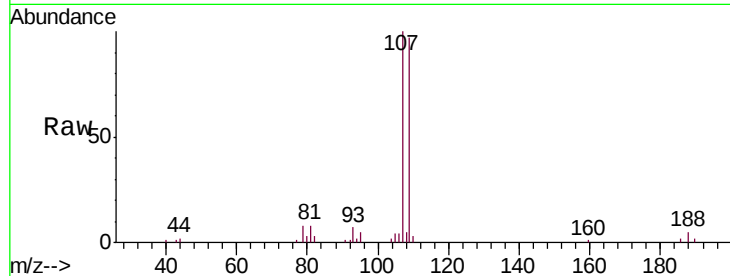




#50
1,2-Dibromoethane
Concen: 9.836 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VV014588.D
Acq: 17 Feb 2020 11:39

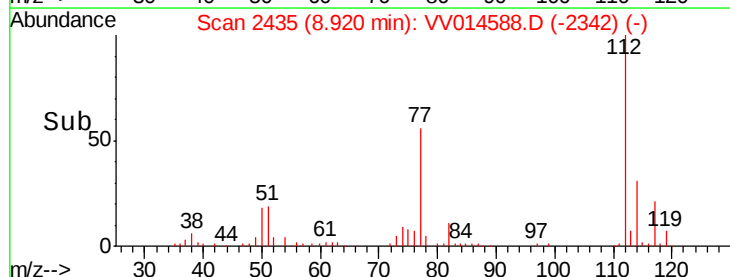
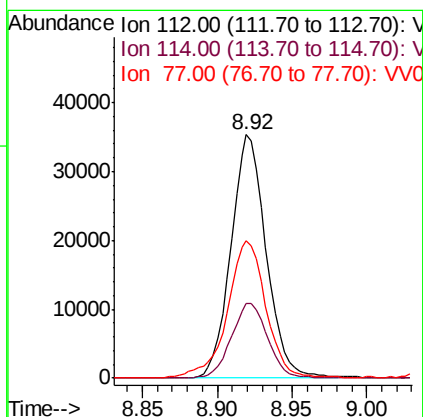
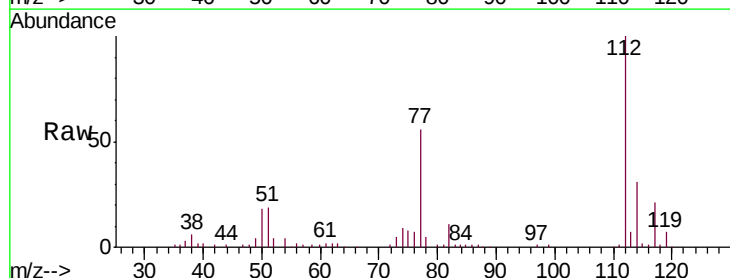
Instrument :
MSVOA_V
ClientSampleId :
VSTD010203

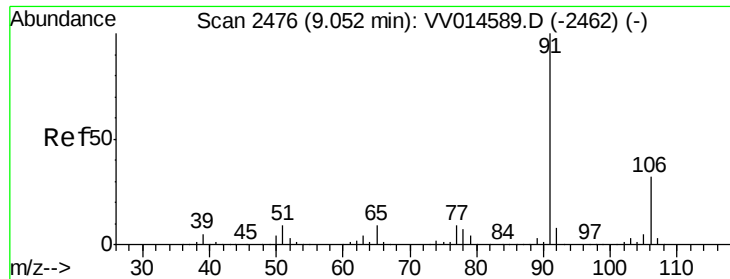
Tgt Ion:107 Resp: 22068
Ion Ratio Lower Upper
107 100
109 97.0 66.5 123.5
188 4.6 3.3 4.9



#51
Chlorobenzene
Concen: 9.746 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. -0.00 min
Lab File: VV014588.D
Acq: 17 Feb 2020 11:39

Tgt Ion:112 Resp: 57850
Ion Ratio Lower Upper
112 100
114 30.7 22.4 41.6
77 56.2 45.5 68.3





#52

Ethylbenzene

Concen: 9.756 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV014588.D

Acq: 17 Feb 2020 11:39

Instrument :

MSVOA_V

ClientSampleId :

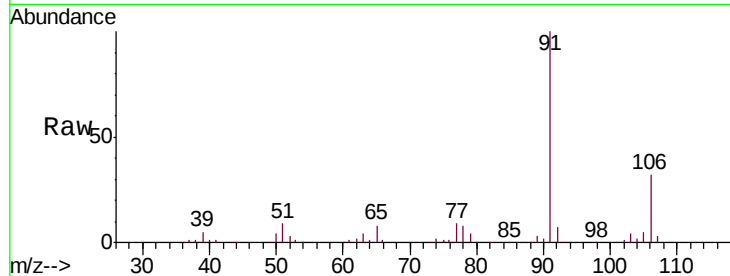
VSTD010203

Tgt Ion: 91 Resp: 99050

Ion Ratio Lower Upper

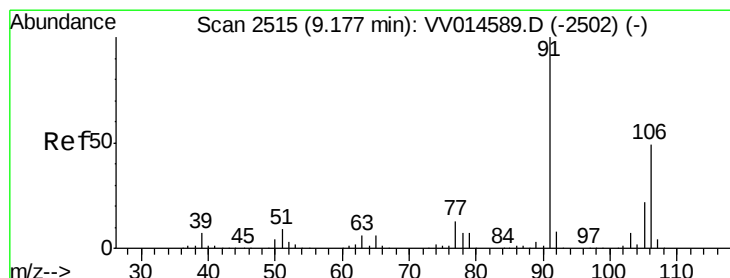
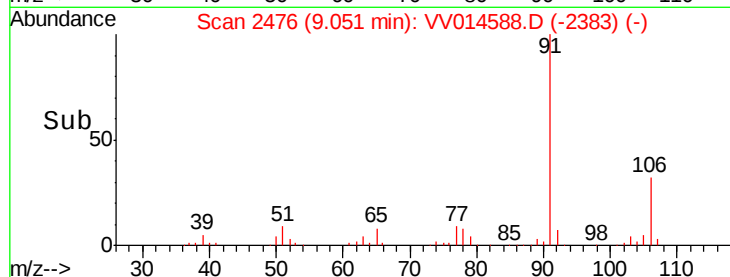
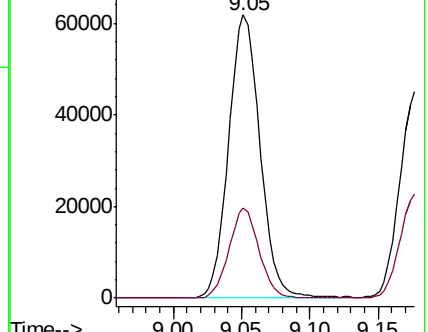
91 100

106 31.9 22.0 41.0



Abundance Ion 91.00 (90.70 to 91.70): VV014588.D (-2462) (-)

Ion 106.00 (105.70 to 106.70): VV014588.D (-2462) (-)



#53

m,p-Xylene

Concen: 9.802 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV014588.D

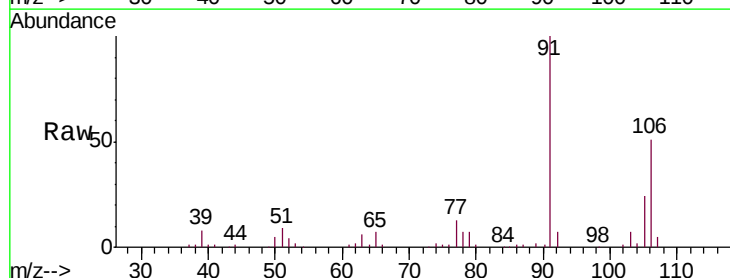
Acq: 17 Feb 2020 11:39

Tgt Ion: 106 Resp: 38377

Ion Ratio Lower Upper

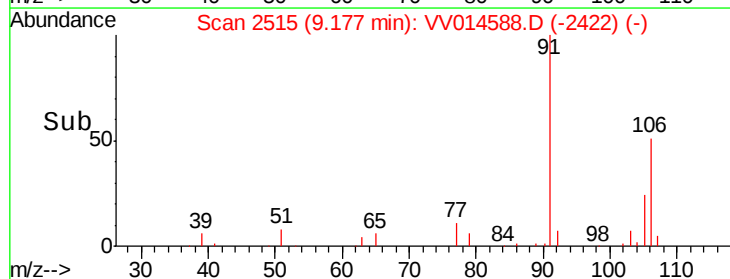
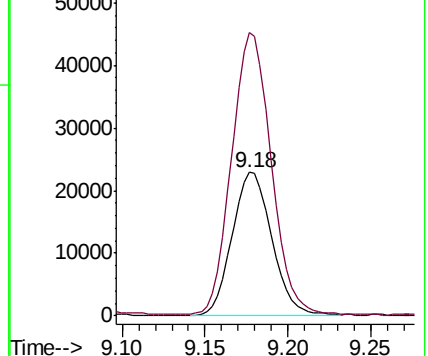
106 100

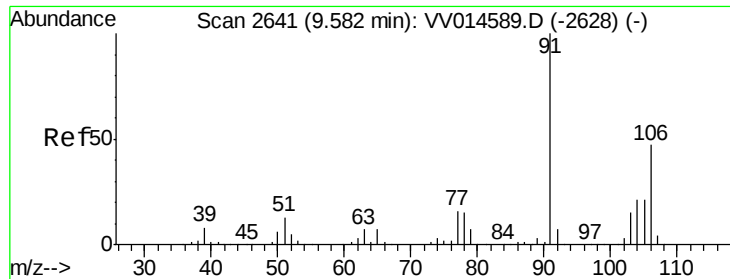
91 197.6 141.7 263.3



Abundance Ion 106.00 (105.70 to 106.70): VV014588.D (-2502) (-)

Ion 91.00 (90.70 to 91.70): VV014588.D (-2502) (-)

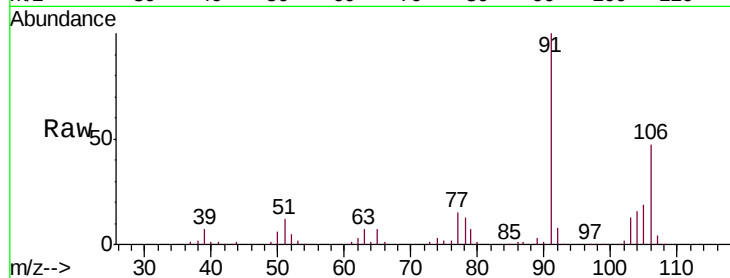




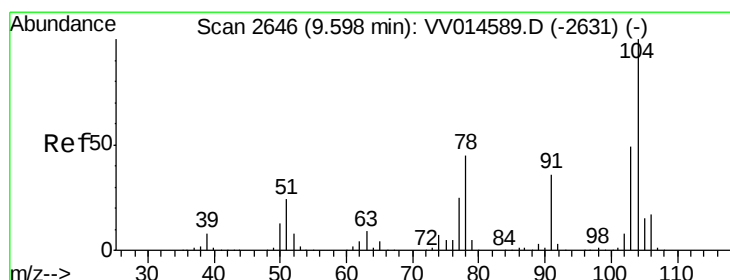
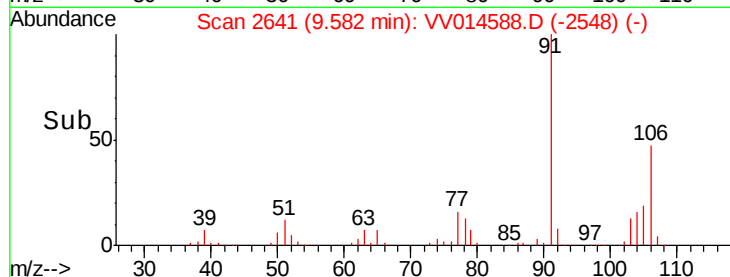
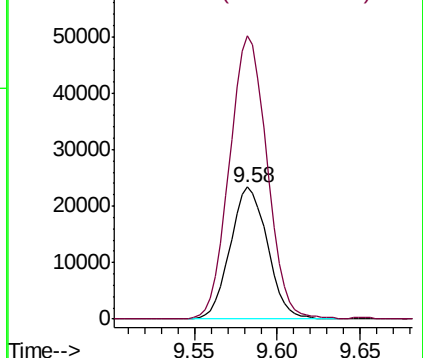
#54
o-Xylene
Concen: 9.785 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. -0.00 min
Lab File: VV014588.D
Acq: 17 Feb 2020 11:39

Instrument :
MSVOA_V
ClientSampleId :
VSTD010203

Tgt Ion:106 Resp: 36717
Ion Ratio Lower Upper
106 100
91 214.8 150.5 279.5

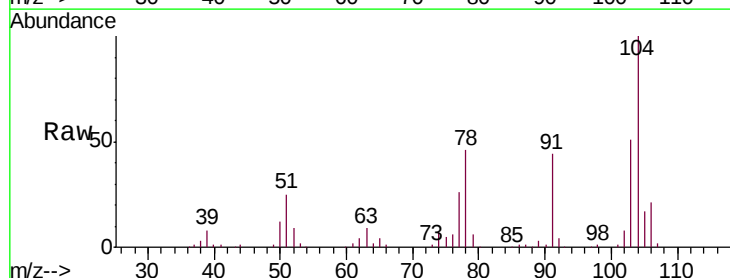


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

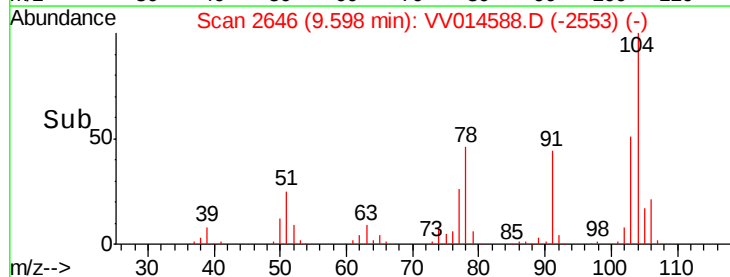
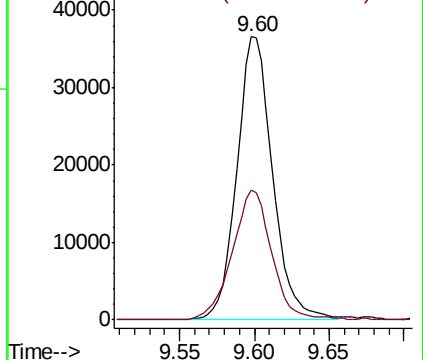


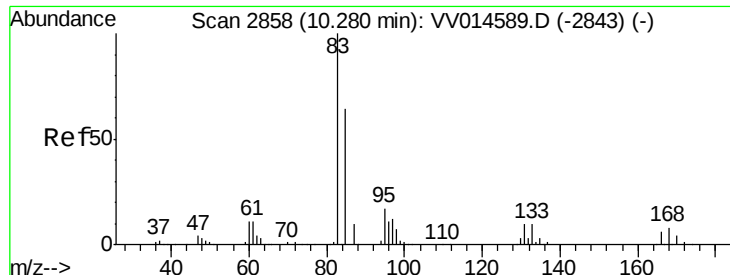
#55
Styrene
Concen: 9.520 ug/L
RT: 9.60 min Scan# 2646
Delta R.T. -0.00 min
Lab File: VV014588.D
Acq: 17 Feb 2020 11:39

Tgt Ion:104 Resp: 60952
Ion Ratio Lower Upper
104 100
78 46.0 31.9 59.2



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

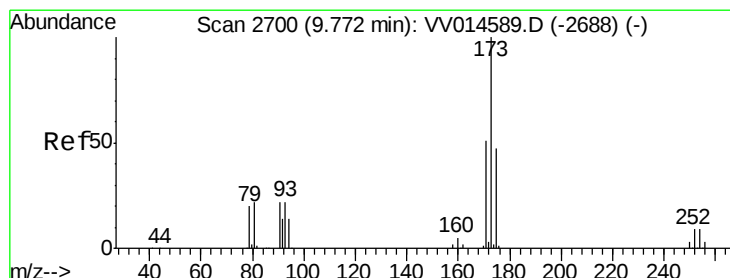
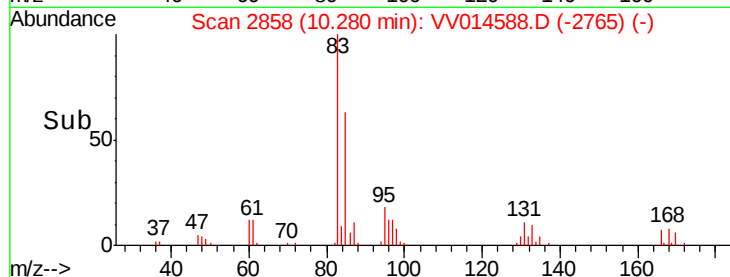
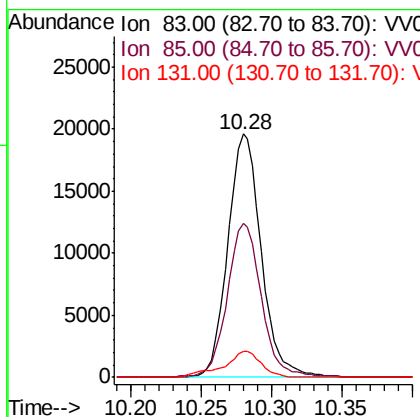
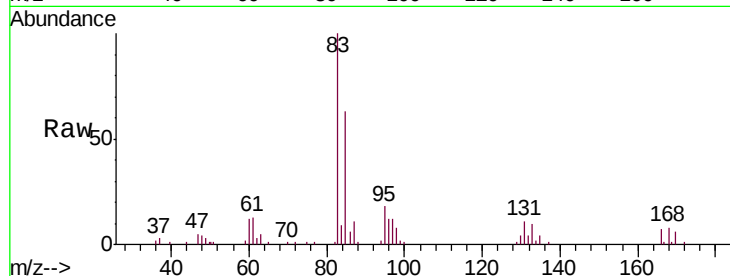




#57
 1,1,2,2-Tetrachloroethane
 Concen: 10.031 ug/L
 RT: 10.28 min Scan# 2858
 Delta R.T. -0.00 min
 Lab File: VV014588.D
 Acq: 17 Feb 2020 11:39

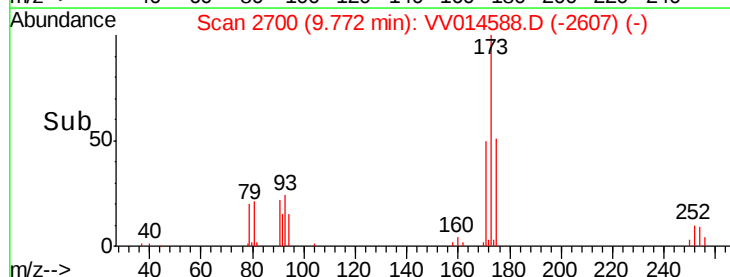
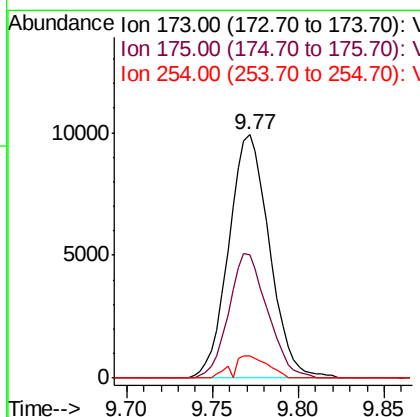
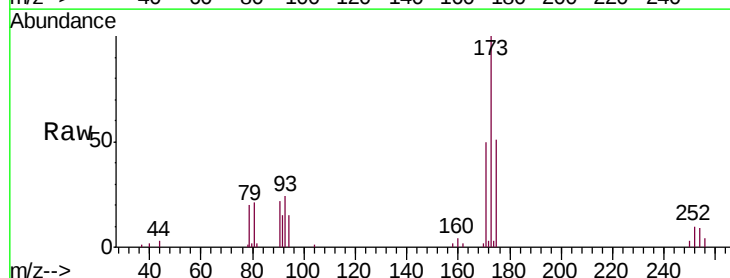
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010203

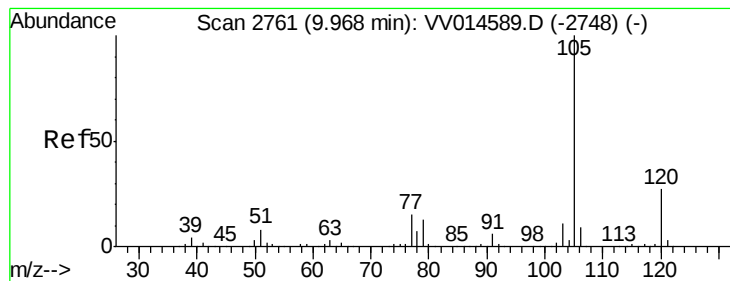
Tgt Ion: 83 Resp: 32539
 Ion Ratio Lower Upper
 83 100
 85 63.3 44.9 83.3
 131 10.8 8.4 12.6



#59
 Bromoform
 Concen: 9.903 ug/L
 RT: 9.77 min Scan# 2700
 Delta R.T. -0.00 min
 Lab File: VV014588.D
 Acq: 17 Feb 2020 11:39

Tgt Ion: 173 Resp: 16426
 Ion Ratio Lower Upper
 173 100
 175 48.7 38.5 57.7
 254 6.6 7.4 11.0#





#60

Isopropylbenzene

Concen: 9.813 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV014588.D

Acq: 17 Feb 2020 11:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD010203

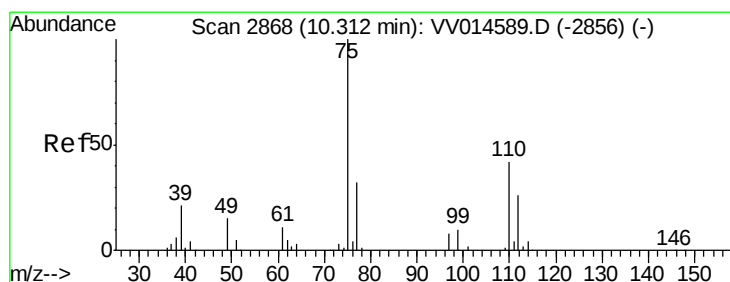
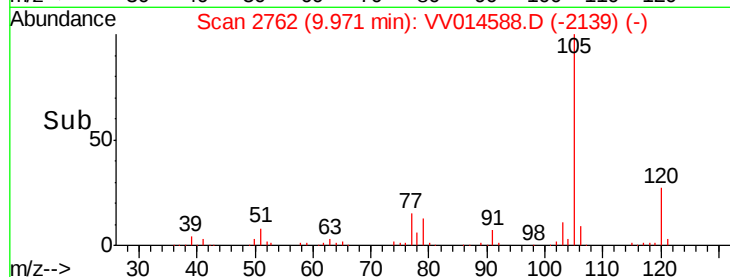
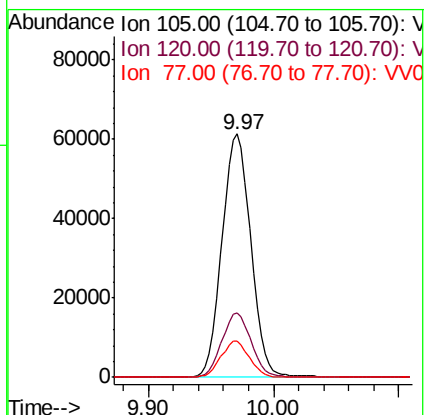
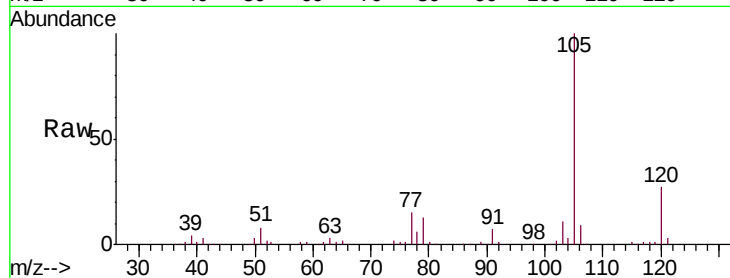
Tgt Ion: 105 Resp: 97605

Ion Ratio Lower Upper

105 100

120 27.0 21.4 32.0

77 14.7 12.2 18.2



#61

1,2,3-Trichloropropane

Concen: 9.553 ug/L

RT: 10.31 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV014588.D

Acq: 17 Feb 2020 11:39

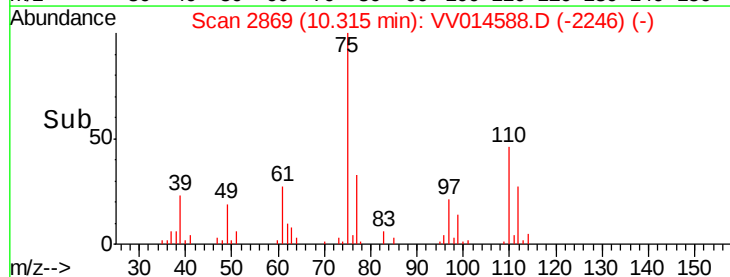
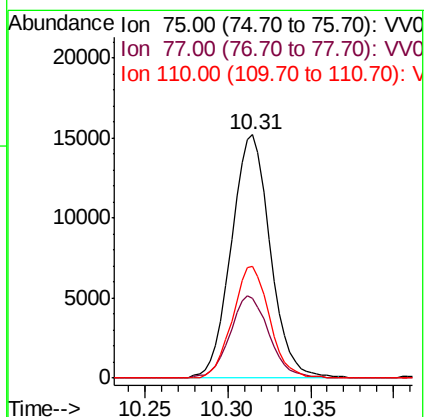
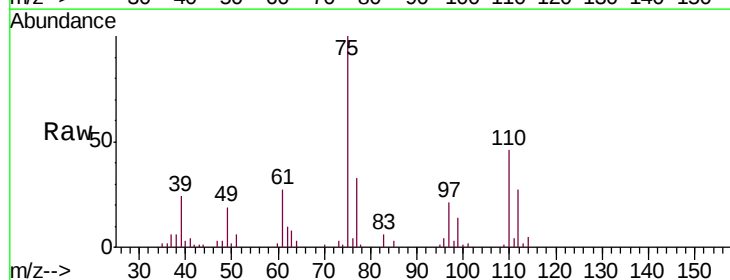
Tgt Ion: 75 Resp: 24872

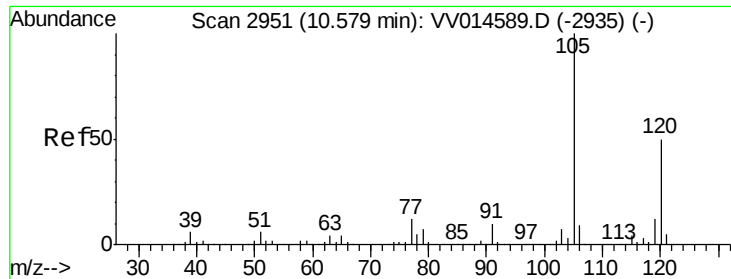
Ion Ratio Lower Upper

75 100

77 33.9 25.6 38.4

110 43.4 33.4 50.0

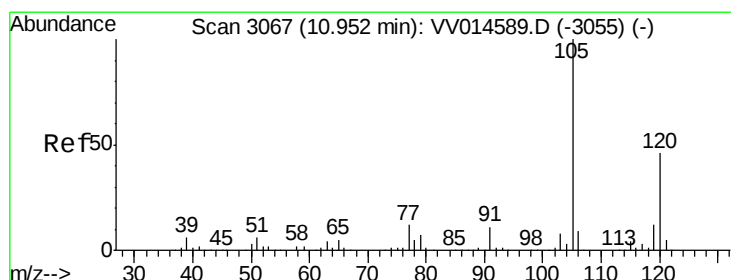
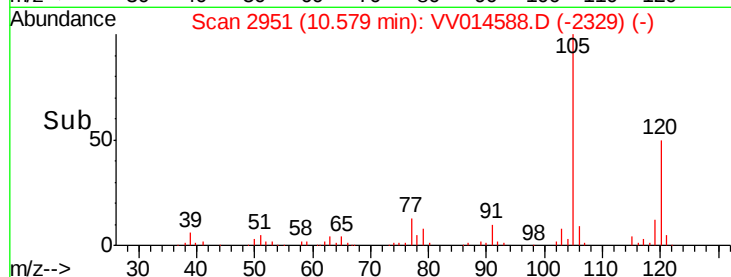
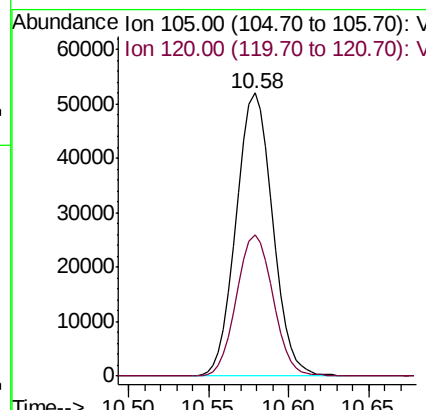
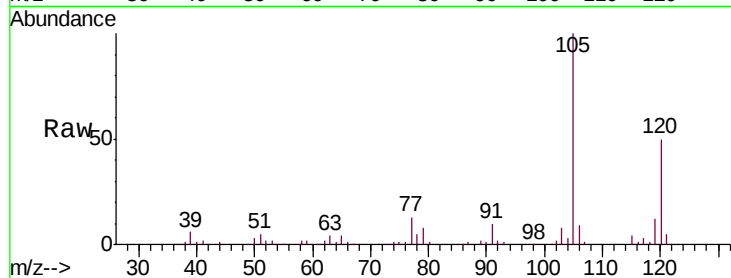




#62
 1,3,5-Trimethylbenzene
 Concen: 9.512 ug/L
 RT: 10.58 min Scan# 2951
 Delta R.T. -0.00 min
 Lab File: VV014588.D
 Acq: 17 Feb 2020 11:39

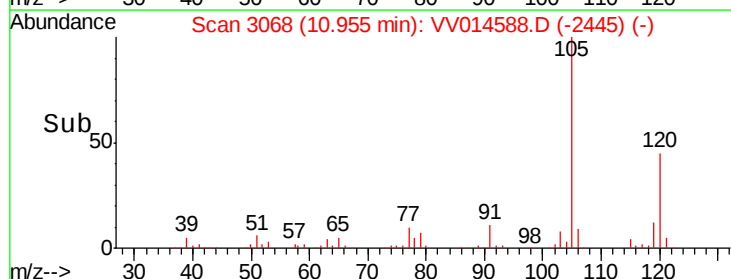
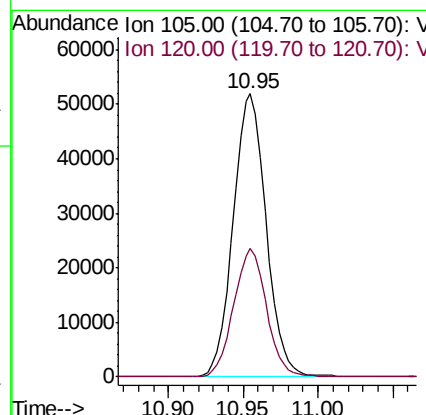
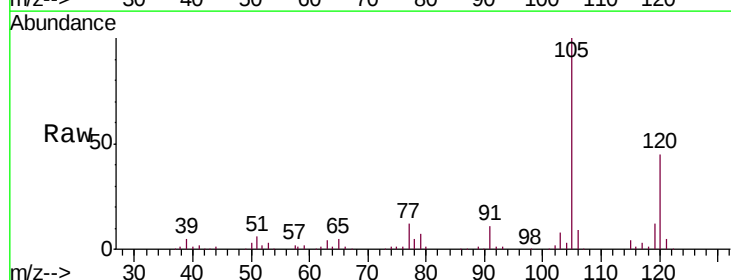
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010203

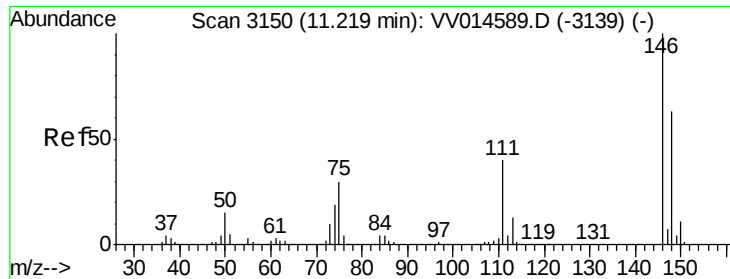
Tgt Ion:105 Resp: 80833
 Ion Ratio Lower Upper
 105 100
 120 50.0 39.8 59.6



#63
 1,2,4-Trimethylbenzene
 Concen: 9.511 ug/L
 RT: 10.95 min Scan# 3068
 Delta R.T. 0.00 min
 Lab File: VV014588.D
 Acq: 17 Feb 2020 11:39

Tgt Ion:105 Resp: 79586
 Ion Ratio Lower Upper
 105 100
 120 45.4 36.6 55.0

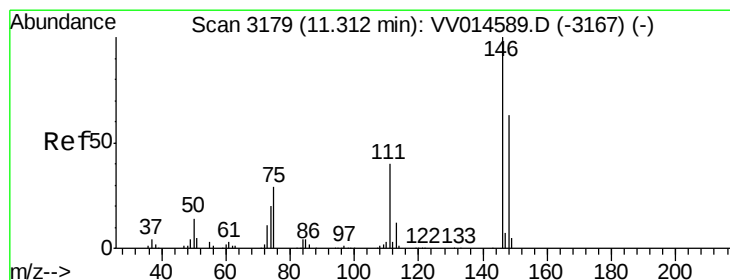
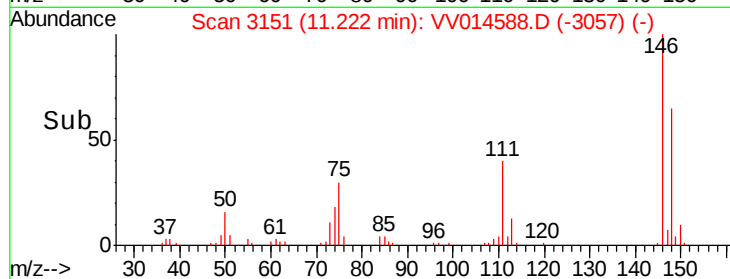
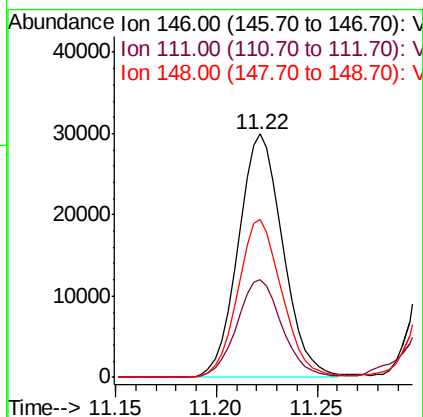
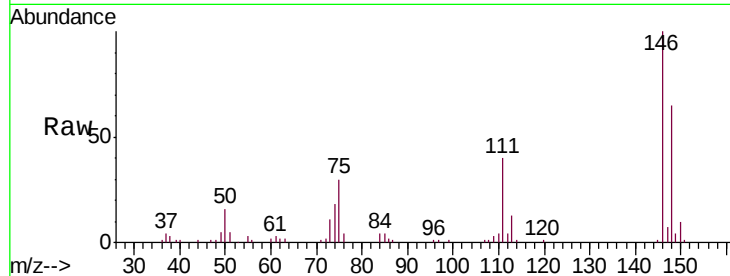




#64
 1,3-Dichlorobenzene
 Concen: 9.874 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. 0.00 min
 Lab File: VV014588.D
 Acq: 17 Feb 2020 11:39

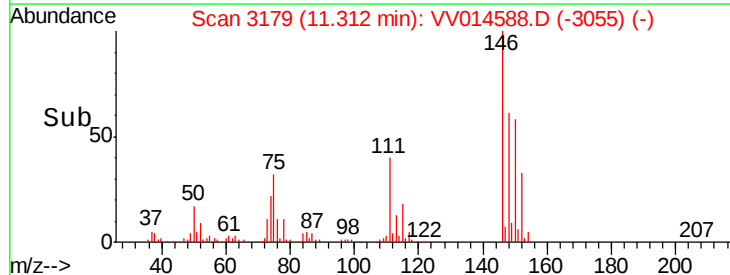
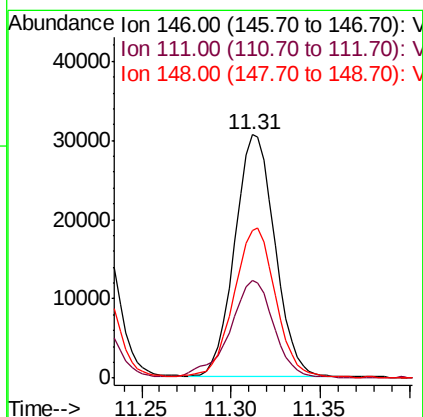
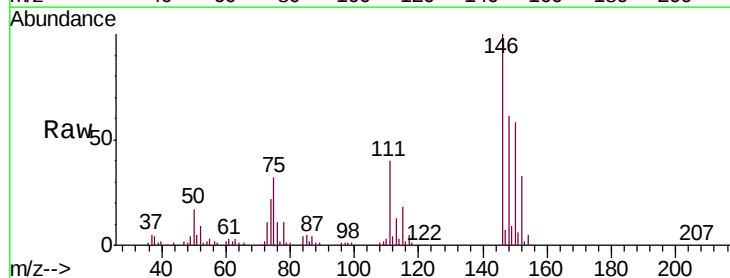
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010203

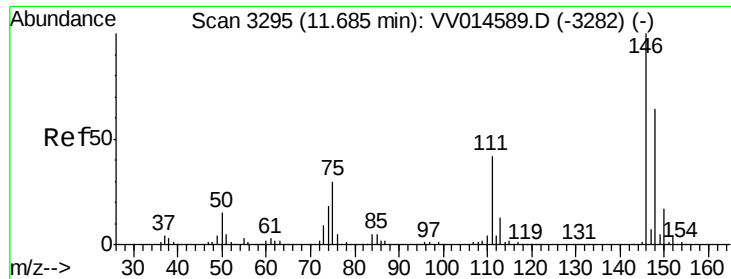
Tgt Ion:146 Resp: 46379
 Ion Ratio Lower Upper
 146 100
 111 40.1 28.3 52.5
 148 64.8 44.0 81.8



#65
 1,4-Dichlorobenzene
 Concen: 9.896 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. -0.00 min
 Lab File: VV014588.D
 Acq: 17 Feb 2020 11:39

Tgt Ion:146 Resp: 47769
 Ion Ratio Lower Upper
 146 100
 111 40.2 27.9 51.9
 148 60.9 44.2 82.2

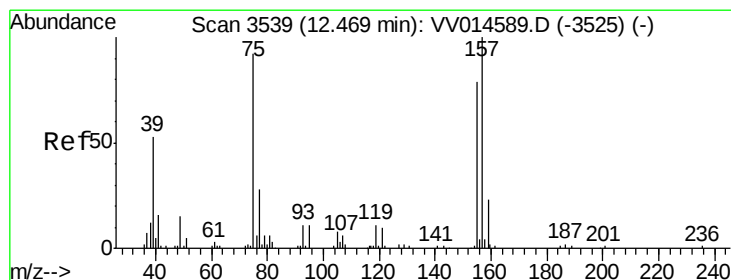
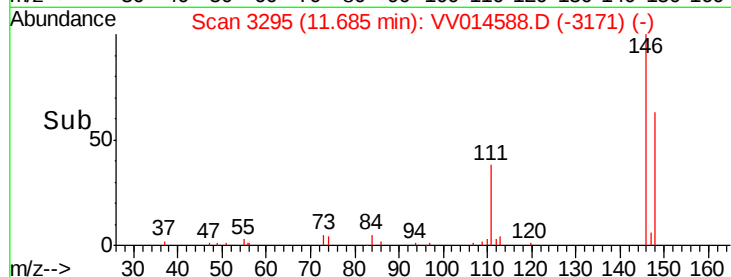
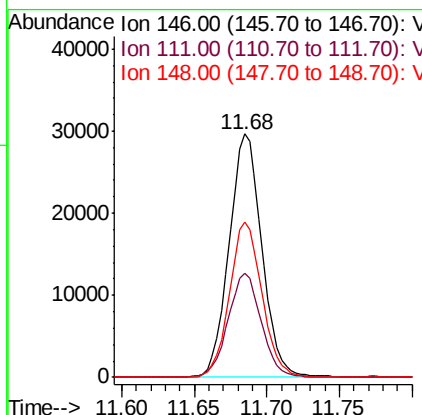
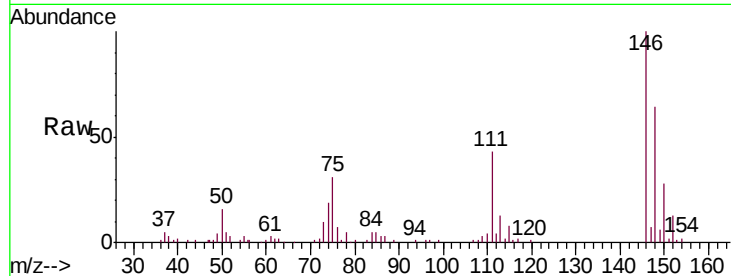




#67
 1,2-Dichlorobenzene
 Concen: 10.157 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. -0.00 min
 Lab File: VV014588.D
 Acq: 17 Feb 2020 11:39

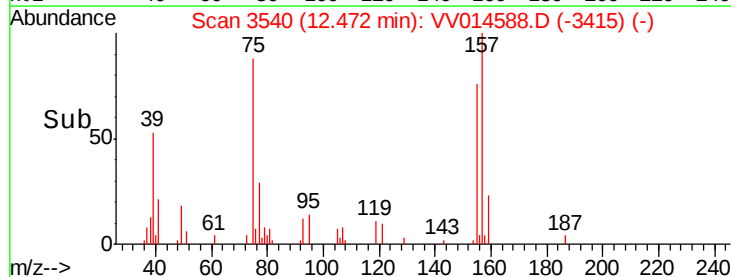
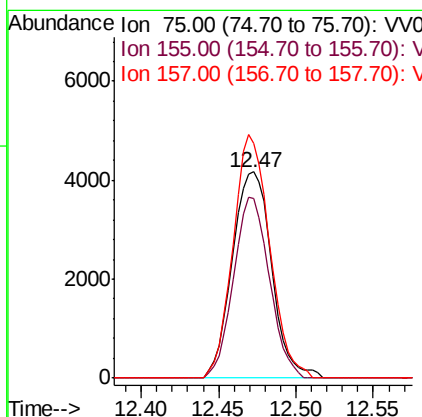
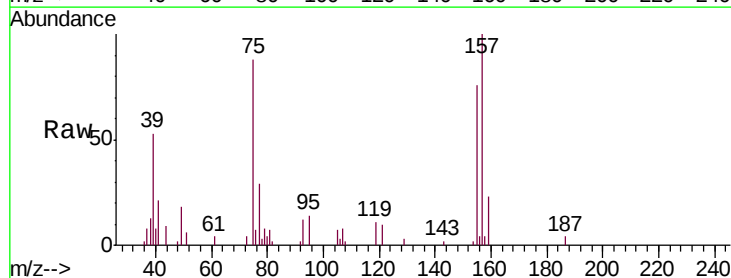
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010203

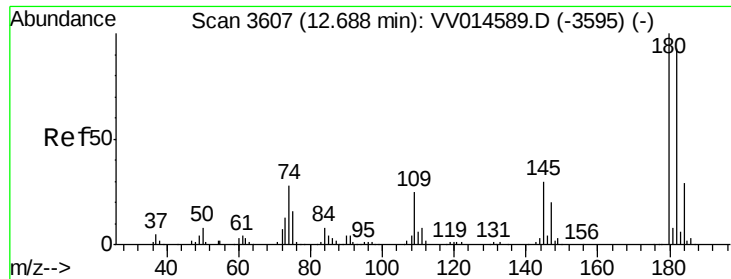
Tgt Ion:146 Resp: 46462
 Ion Ratio Lower Upper
 146 100
 111 43.0 34.1 51.1
 148 63.8 51.1 76.7



#68
 1,2-Dibromo-3-chloropropane
 Concen: 10.022 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. 0.00 min
 Lab File: VV014588.D
 Acq: 17 Feb 2020 11:39

Tgt Ion: 75 Resp: 7365
 Ion Ratio Lower Upper
 75 100
 155 86.8 69.4 104.0
 157 114.0 87.4 131.0

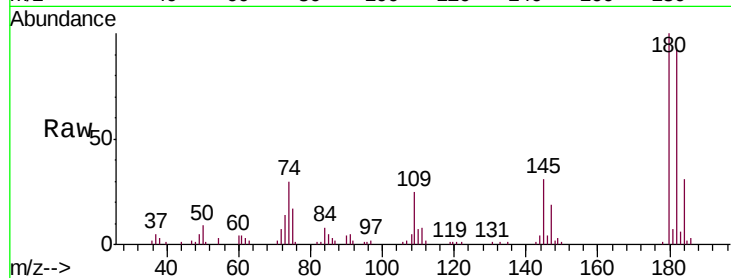




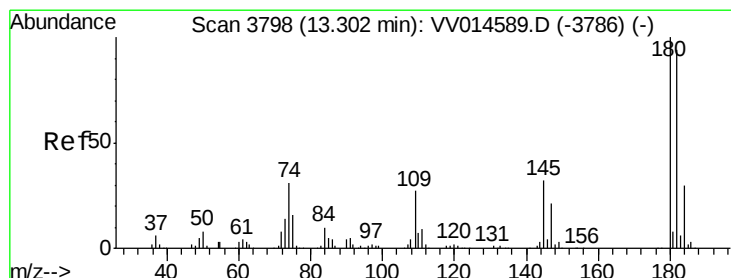
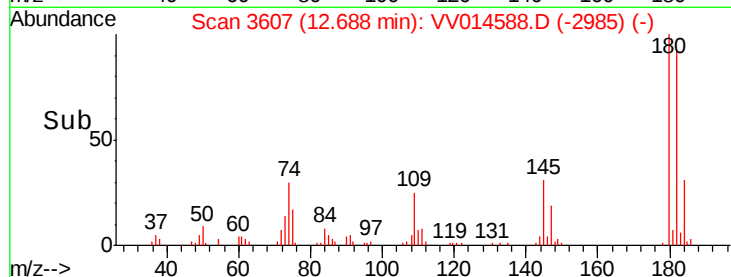
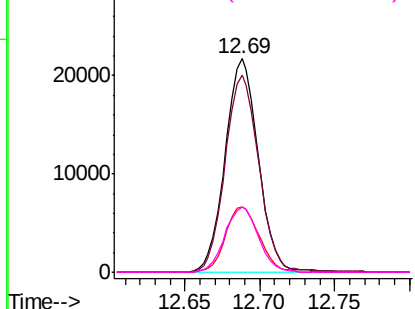
#69
 1,3,5-Trichlorobenzene
 Concen: 10.106 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VV014588.D
 Acq: 17 Feb 2020 11:39

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010203

Tgt Ion:180 Resp: 33569
 Ion Ratio Lower Upper
 180 100
 182 93.5 75.6 113.4
 184 30.9 23.4 35.2
 145 30.8 25.2 37.8

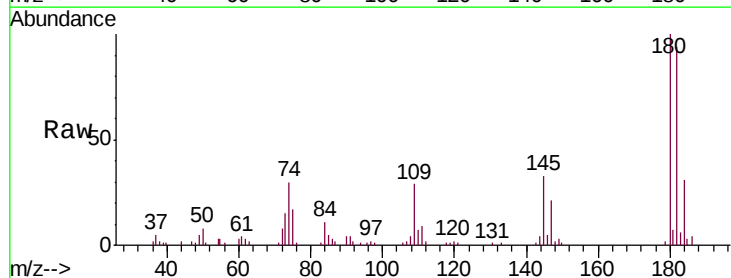


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

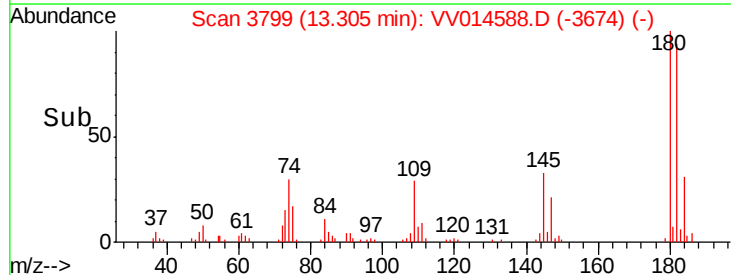
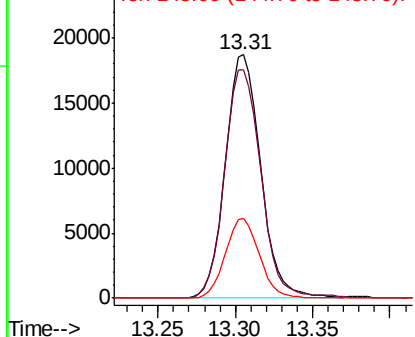


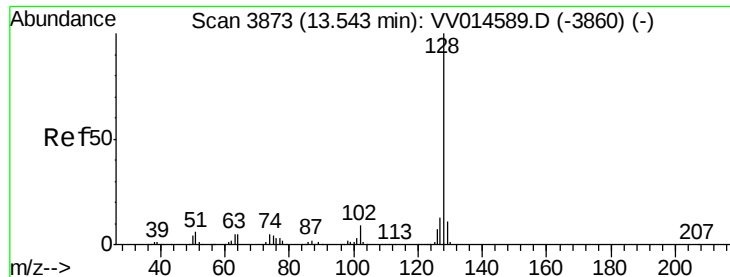
#70
 1,2,4-trichlorobenzene
 Concen: 9.751 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV014588.D
 Acq: 17 Feb 2020 11:39

Tgt Ion:180 Resp: 29647
 Ion Ratio Lower Upper
 180 100
 182 96.5 75.8 113.6
 145 31.2 25.5 38.3



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

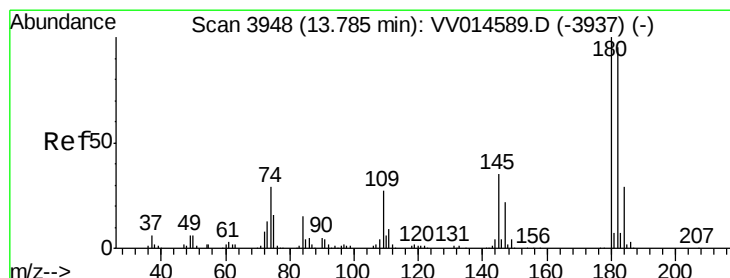
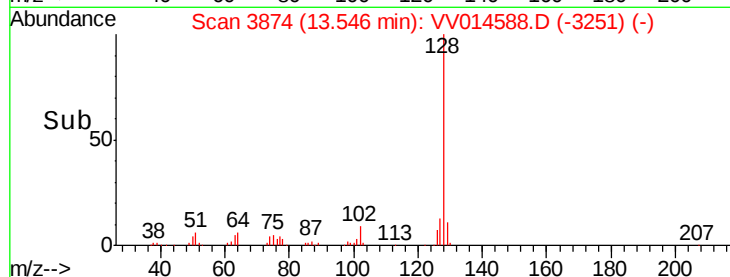
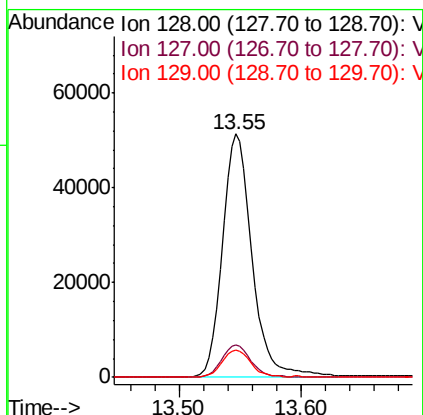
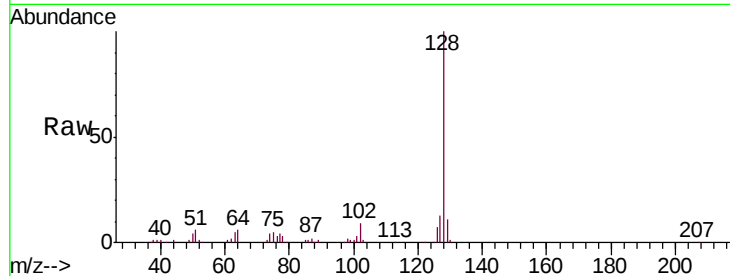




#71
Naphthalene
Concen: 8.832 ug/L
RT: 13.55 min Scan# 3874
Delta R.T. 0.00 min
Lab File: VV014588.D
Acq: 17 Feb 2020 11:39

Instrument :
MSVOA_V
ClientSampleId :
VSTD010203

Tgt Ion:128 Resp: 87938
Ion Ratio Lower Upper
128 100
127 12.8 10.3 15.5
129 11.0 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 9.833 ug/L
RT: 13.79 min Scan# 3949
Delta R.T. 0.00 min
Lab File: VV014588.D
Acq: 17 Feb 2020 11:39

Tgt Ion:180 Resp: 29131
Ion Ratio Lower Upper
180 100
182 92.8 76.0 114.0
145 32.2 27.7 41.5

