

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050520\
 Data File : VV015894.D
 Acq On : 05 May 2020 11:21
 Operator : SY/MD
 Sample : VSTD00131
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00131

Quant Time: May 05 17:45:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050520WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue May 05 17:39:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	157928	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	151155	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	75239	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	8762	1.03	ug/L	0.00
7) Chloroethane-d5	1.57	69	7412	0.92	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	18033	0.98	ug/L	0.00
20) 2-Butanone-d5	3.98	46	21307	8.13	ug/L	0.03
24) Chloroform-d	4.37	84	16385	0.86	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	9811	0.90	ug/L	0.00
32) Benzene-d6	5.08	84	34022	0.94	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	10325	0.90	ug/L	0.00
41) Toluene-d8	7.34	98	30318	0.88	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.65	79	3647	0.81	ug/L	0.00
46) 2-Hexanone-d5	8.12	63	15985	7.50	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	7548	0.89	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	11107	0.87	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	12200	0.914 ug/L	99
3) Chloromethane	1.24	50	12557	1.061 ug/L	99
5) Vinyl chloride	1.32	62	11584	0.933 ug/L	100
6) Bromomethane	1.53	94	6392	1.133 ug/L	94
8) Chloroethane	1.59	64	6869	0.869 ug/L	99
9) Trichlorofluoromethane	1.76	101	15521	0.894 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	8878	0.910 ug/L	97
12) 1,1-Dichloroethene	2.13	96	8524	0.941 ug/L	90
13) Acetone	2.24	43	13046	7.278 ug/L	92
14) Carbon disulfide	2.30	76	26358	0.988 ug/L	96
15) Methyl Acetate	2.47	43	2681	0.634 ug/L #	81
16) Methylene chloride	2.52	84	12315	1.089 ug/L	99
17) Methyl tert-butyl Ether	2.79	73	22092	0.873 ug/L	98
18) trans-1,2-Dichloroethene	2.78	96	9619	0.940 ug/L	96
19) 1,1-Dichloroethane	3.21	63	18343	0.920 ug/L	98
21) 2-Butanone	4.05	43	20611	7.424 ug/L	83
22) cis-1,2-Dichloroethene	3.94	96	9813	0.880 ug/L	98
23) Bromochloromethane	4.28	128	4152	0.904 ug/L	95
25) Chloroform	4.40	83	20101	0.942 ug/L	95
27) 1,2-Dichloroethane	5.16	62	12407	0.895 ug/L	100
29) 1,1,1-Trichloroethane	4.63	97	16198	0.865 ug/L	96
30) Cyclohexane	4.70	56	16517	0.913 ug/L	99
31) Carbon tetrachloride	4.85	117	13805	0.885 ug/L	100
33) Benzene	5.13	78	37912	0.894 ug/L	100
34) Trichloroethene	5.94	95	10079	0.860 ug/L	93
35) Methylcyclohexane	6.15	83	16401	0.906 ug/L	99
37) 1,2-Dichloropropane	6.20	63	8708	0.808 ug/L #	97
38) Bromodichloromethane	6.53	83	11176	0.818 ug/L	97
39) cis-1,3-Dichloropropene	7.05	75	12258	0.813 ug/L	88
40) 4-Methyl-2-pentanone	7.25	43	57453	8.216 ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

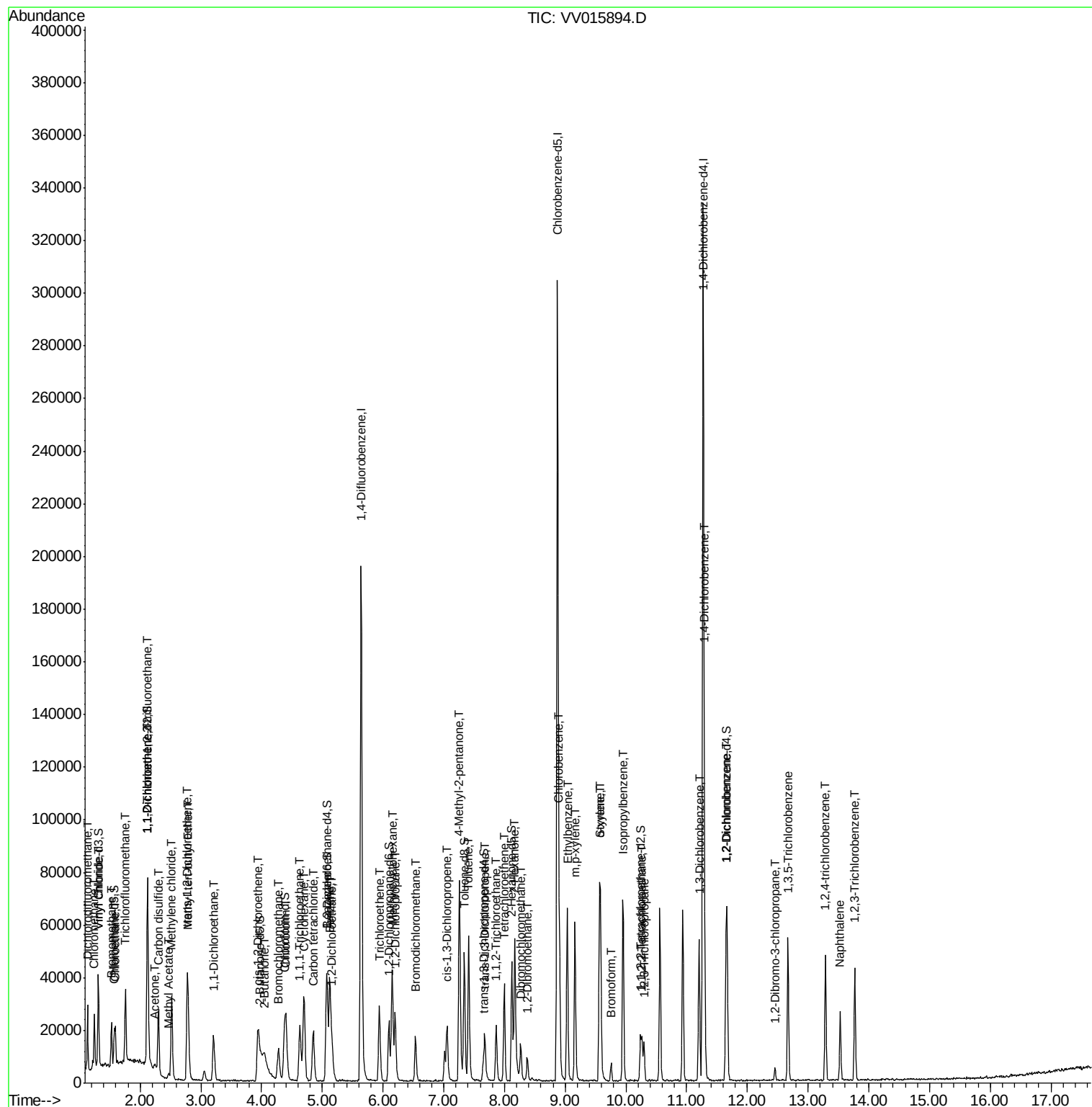
42) Toluene	7.41	91	38901	0.859	ug/L	99
44) trans-1,3-Dichloropropene	7.68	75	9646	0.764	ug/L	93
45) 1,1,2-Trichloroethane	7.86	97	6210	0.851	ug/L	97
47) Tetrachloroethene	8.00	164	7589	0.900	ug/L	94
48) 2-Hexanone	8.17	43	37603	7.576	ug/L	97
49) Dibromochloromethane	8.27	129	6201	0.809	ug/L	91
50) 1,2-Dibromoethane	8.38	107	5928	0.878	ug/L #	91
51) Chlorobenzene	8.90	112	25752	0.868	ug/L	96
52) Ethylbenzene	9.04	91	43808	0.837	ug/L	100
53) m,p-xylene	9.16	106	16125	0.839	ug/L	99
54) o-xylene	9.57	106	14956	0.808	ug/L	95
55) Styrene	9.58	104	24706	0.788	ug/L	99
56) Isopropylbenzene	9.95	105	41907	0.808	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	7111	0.833	ug/L	96
59) 1,2,3-Trichloropropane	10.30	75	5702	0.836	ug/L	100
61) Bromoform	9.76	173	2995	0.945	ug/L	94
62) 1,3-Dichlorobenzene	11.21	146	20400	0.875	ug/L	97
63) 1,4-Dichlorobenzene	11.30	146	19699	0.838	ug/L	97
65) 1,2-Dichlorobenzene	11.67	146	18278	0.868	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.46	75	1144	0.834	ug/L #	87
67) 1,3,5-Trichlorobenzene	12.67	180	14986	0.866	ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	11760	0.751	ug/L	95
69) Naphthalene	13.53	128	19035	0.678	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	11125	0.801	ug/L	100

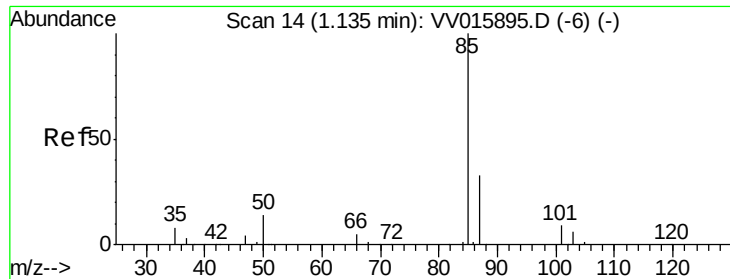
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.914 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV015894.D

Acq: 05 May 2020 11:21

Instrument :

MSVOA_V

ClientSampleId :

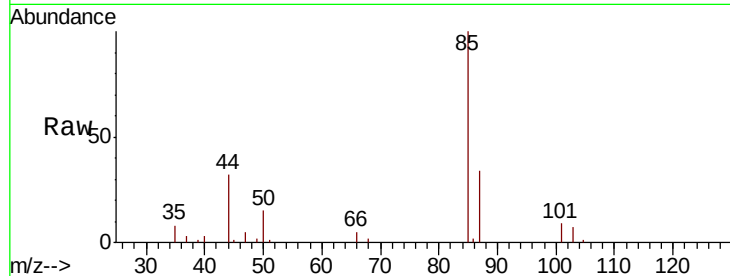
VSTD00131

Tot Ion: 85 Resp: 12200

Ion Ratio Lower Upper

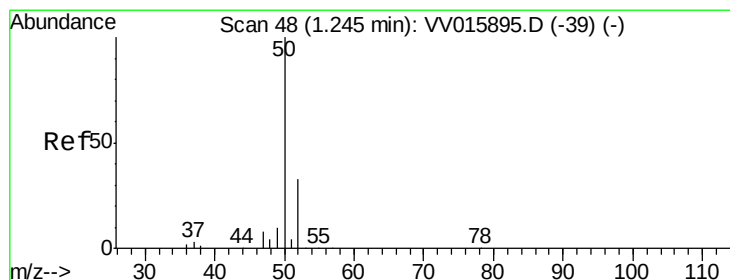
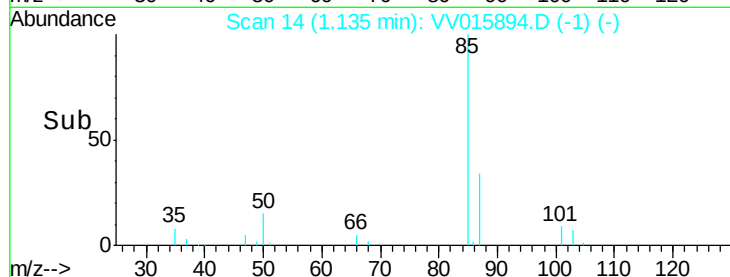
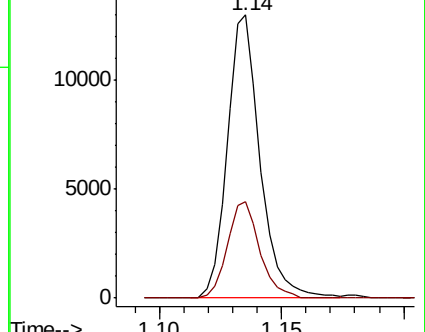
85 100

87 33.5 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VV015894.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VV015894.D (-6) (-)



#3

Chloromethane

Concen: 1.061 ug/L

RT: 1.24 min Scan# 48

Delta R.T. -0.00 min

Lab File: VV015894.D

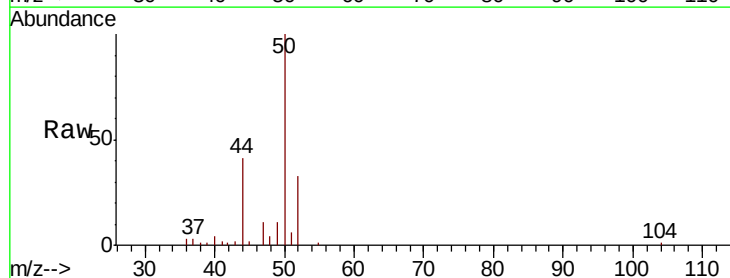
Acq: 05 May 2020 11:21

Tgt Ion: 50 Resp: 12557

Ion Ratio Lower Upper

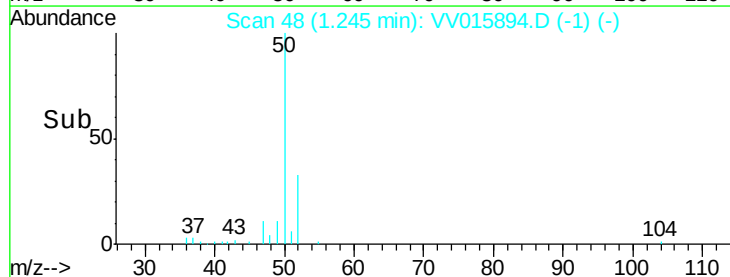
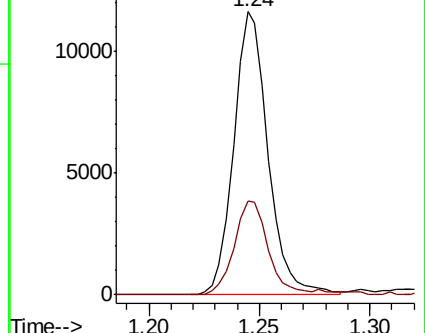
50 100

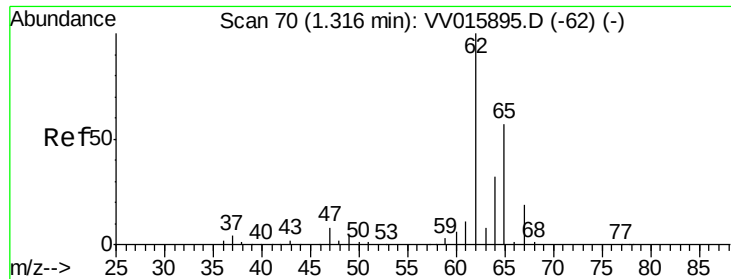
52 33.3 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VV015894.D (-39) (-)

Ion 52.05 (51.75 to 52.75): VV015894.D (-39) (-)





#5

Vinyl chloride

Concen: 0.933 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV015894.D

Acq: 05 May 2020 11:21

Instrument :

MSVOA_V

ClientSampleID :

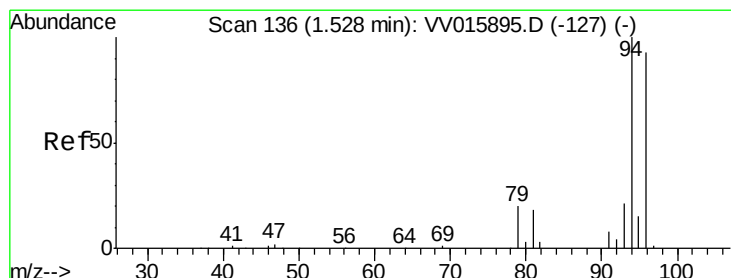
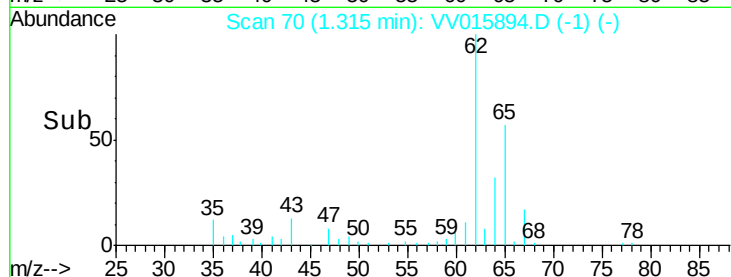
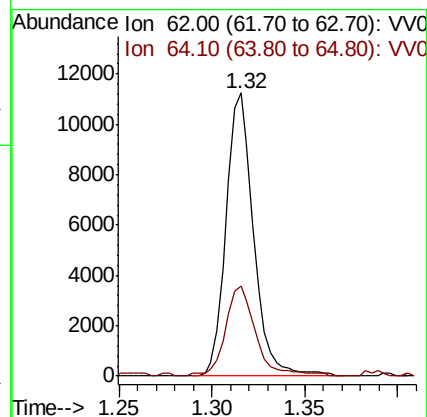
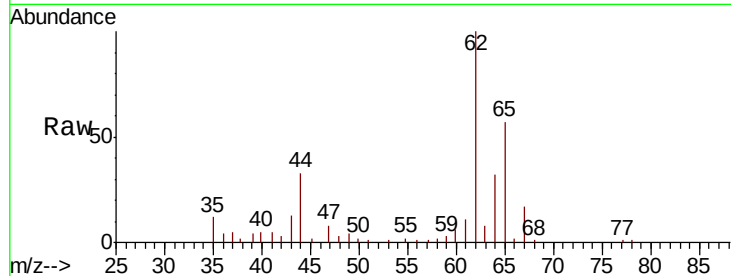
VSTD00131

Tot Ion: 62 Resp: 11584

Ion Ratio Lower Upper

62 100

64 31.8 22.4 41.6



#6

Bromomethane

Concen: 1.133 ug/L

RT: 1.53 min Scan# 136

Delta R.T. -0.00 min

Lab File: VV015894.D

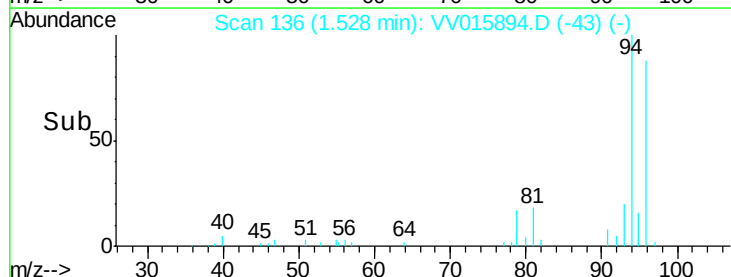
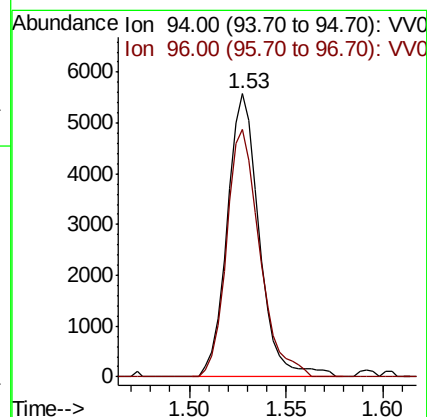
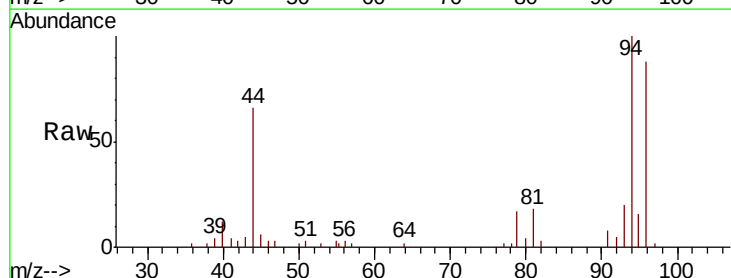
Acq: 05 May 2020 11:21

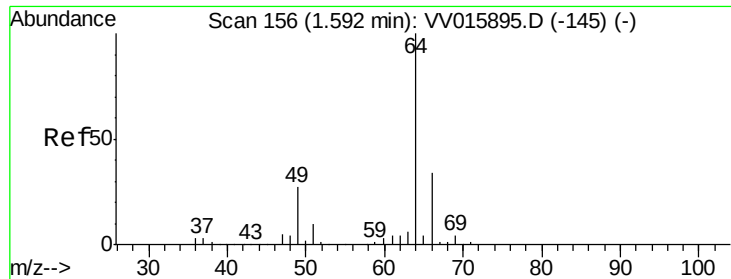
Tgt Ion: 94 Resp: 6392

Ion Ratio Lower Upper

94 100

96 87.6 65.4 121.4





#8

Chloroethane

Concen: 0.869 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.00 min

Lab File: VV015894.D

Acq: 05 May 2020 11:21

Instrument :

MSVOA_V

ClientSampleId :

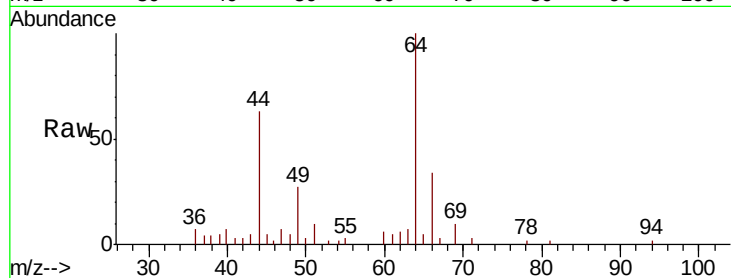
VSTD00131

Tot Ion: 64 Resp: 6869

Ion Ratio Lower Upper

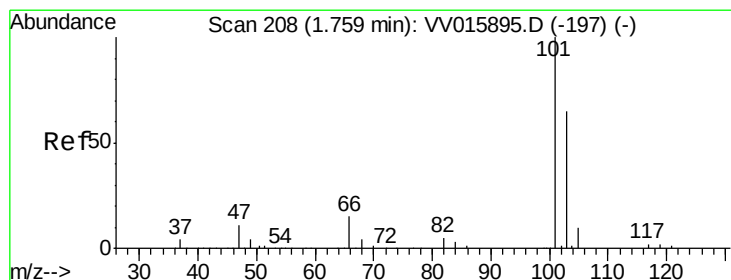
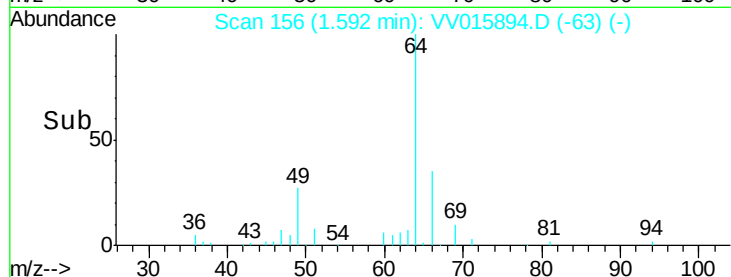
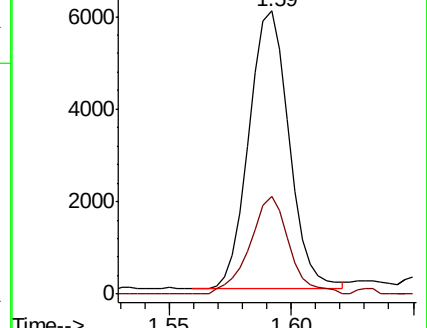
64 100

66 34.5 23.6 43.8



Abundance Ion 64.10 (63.80 to 64.80): VV015895.D (-145) (-)

Ion 66.05 (65.75 to 66.75): VV015895.D (-145) (-)



#9

Trichlorofluoromethane

Concen: 0.894 ug/L

RT: 1.76 min Scan# 208

Delta R.T. -0.00 min

Lab File: VV015894.D

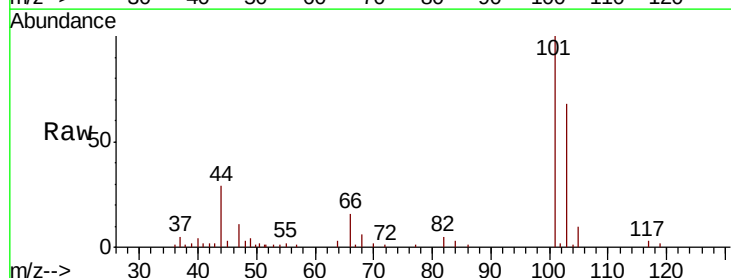
Acq: 05 May 2020 11:21

Tgt Ion: 101 Resp: 15521

Ion Ratio Lower Upper

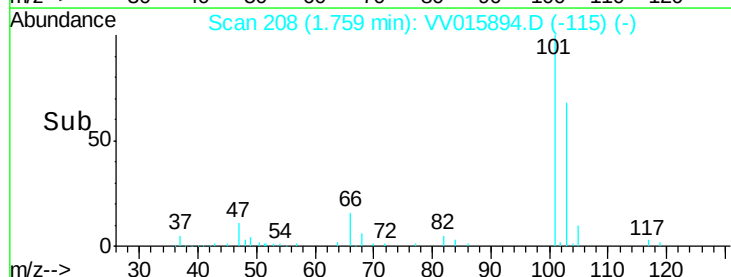
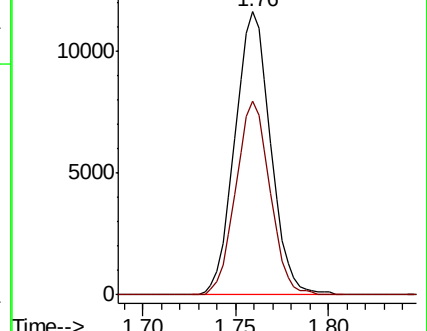
101 100

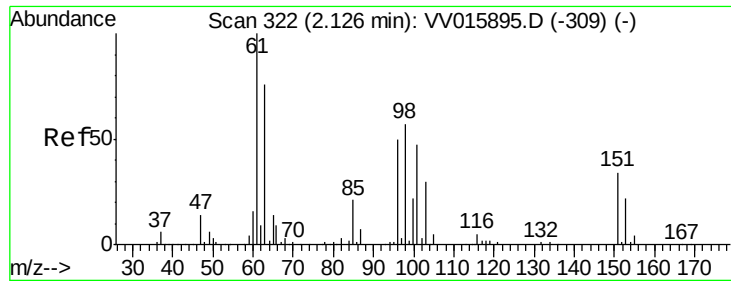
103 65.5 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): VV015895.D (-197) (-)

Ion 103.00 (102.70 to 103.70): VV015895.D (-197) (-)





#10

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

Concen: 0.910 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV015894.D

Acq: 05 May 2020 11:21

Instrument :

MSVOA_V

ClientSampled :

VSTD00131

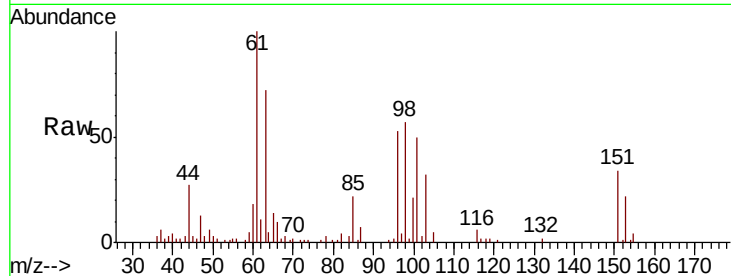
Tot Ion:101 Resp: 8878

Ion Ratio Lower Upper

101 100

85 47.4 35.7 53.5

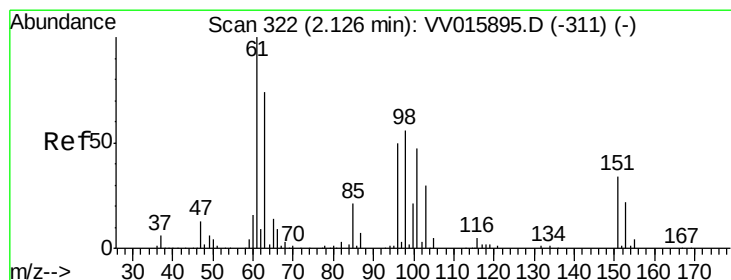
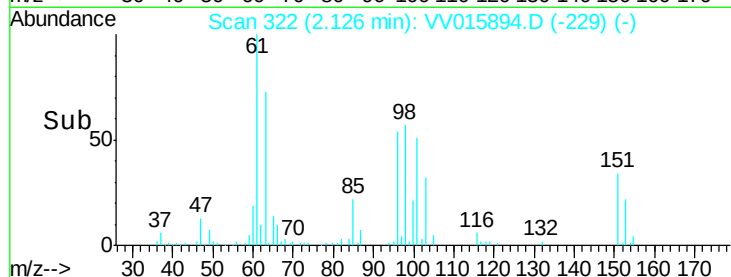
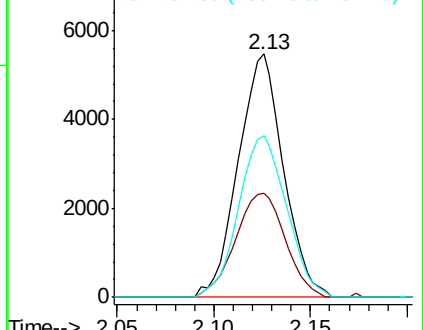
151 70.6 58.0 87.0



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: 0.941 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV015894.D

Acq: 05 May 2020 11:21

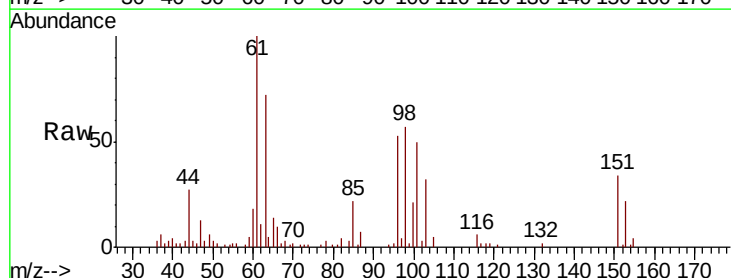
Tgt Ion: 96 Resp: 8524

Ion Ratio Lower Upper

96 100

61 188.2 139.9 259.7

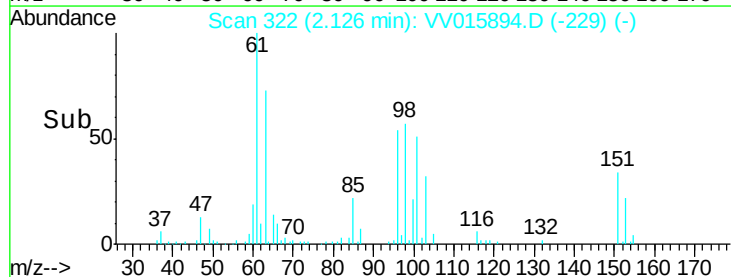
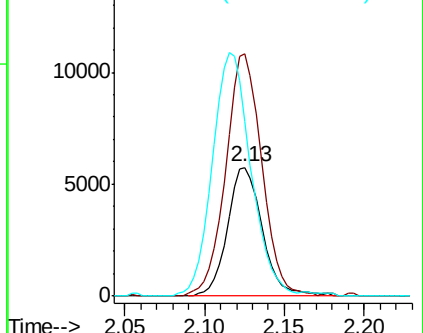
63 135.6 106.4 197.6

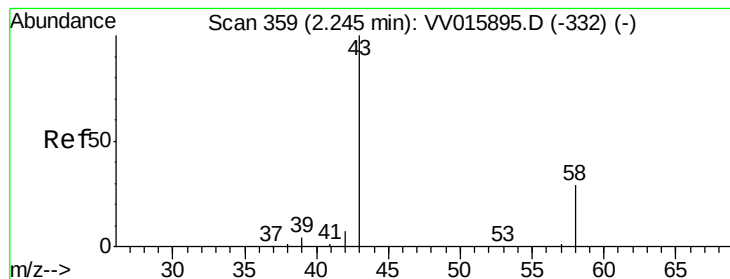


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 7.278 ug/L

RT: 2.24 min Scan# 359

Delta R.T. -0.00 min

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Acq: 05 May 2020 11:21

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ClientSampleId :

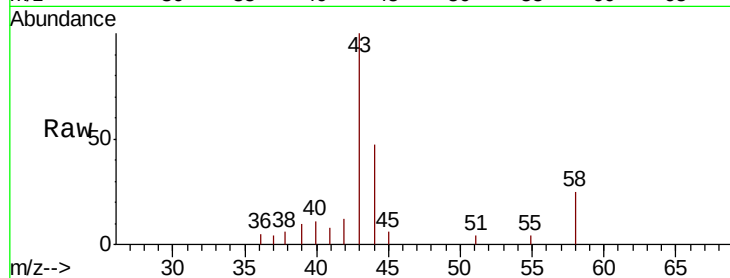
VSTD00131

Tot Ion: 43 Resp: 13046

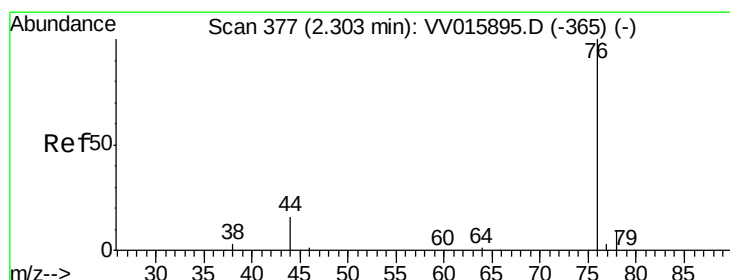
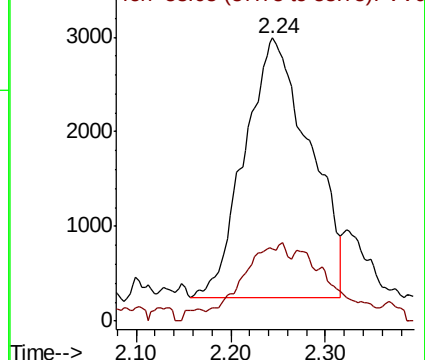
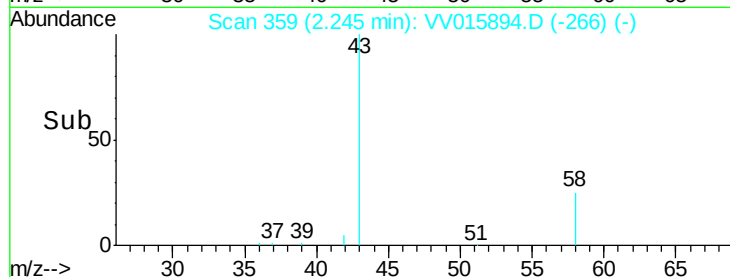
Ion Ratio Lower Upper

43 100

58 12.2 0.0 30.8



Abundance Ion 43.05 (42.75 to 43.75): VV015894.D (-266) (-)



#14

Carbon disulfide

Concen: 0.988 ug/L

RT: 2.30 min Scan# 377

Delta R.T. -0.00 min

Lab File: VV015894.D

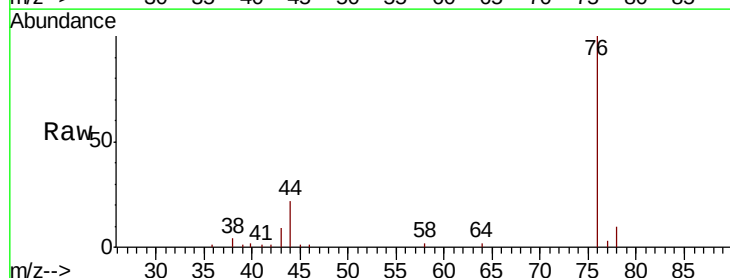
Acq: 05 May 2020 11:21

Tgt Ion: 76 Resp: 26358

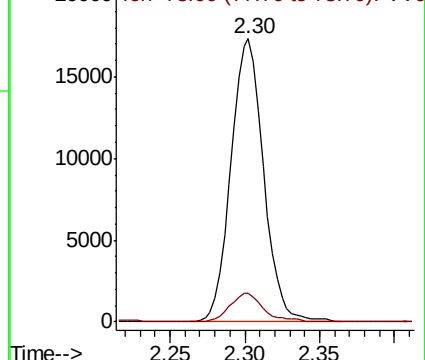
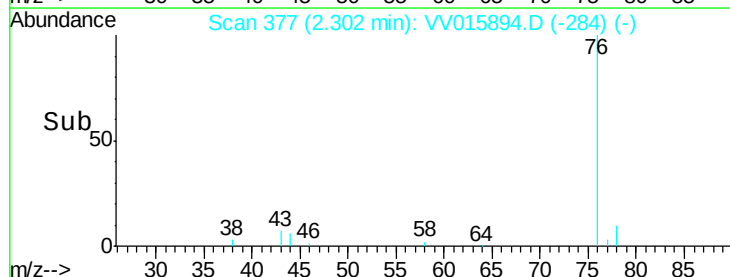
Ion Ratio Lower Upper

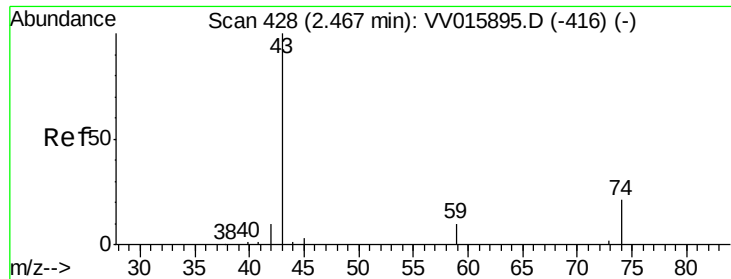
76 100

78 10.2 7.0 10.6



Abundance Ion 76.05 (75.75 to 76.75): VV015894.D (-284) (-)

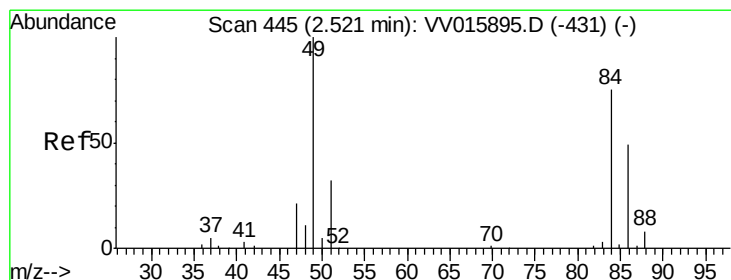
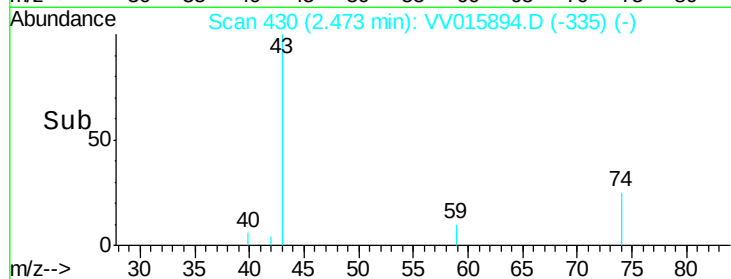
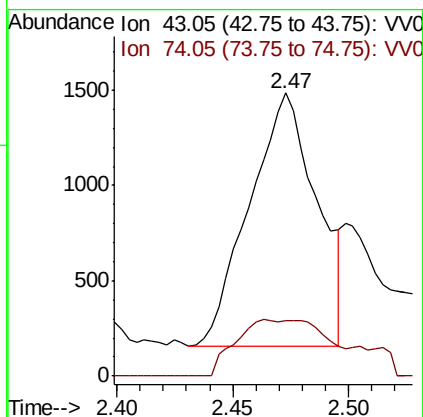
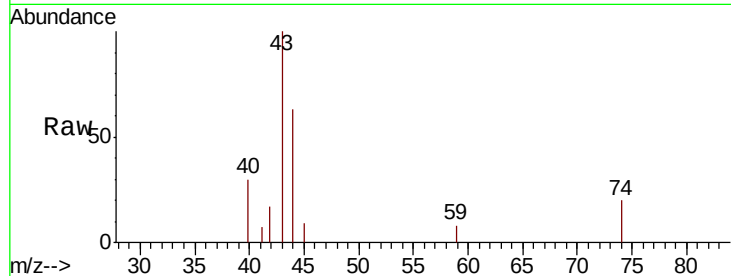




#15
Methvl Acetate
Concen: 0.634 ug/L
RT: 2.47 min Scan# 430
Delta R.T. 0.01 min
Lab File: VV015894.D
Acq: 05 May 2020 11:21

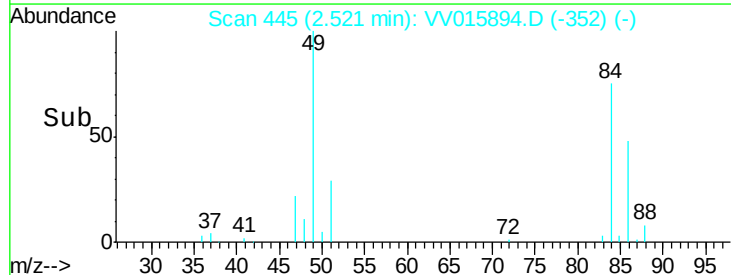
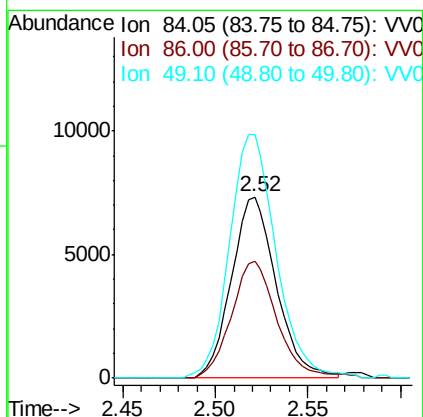
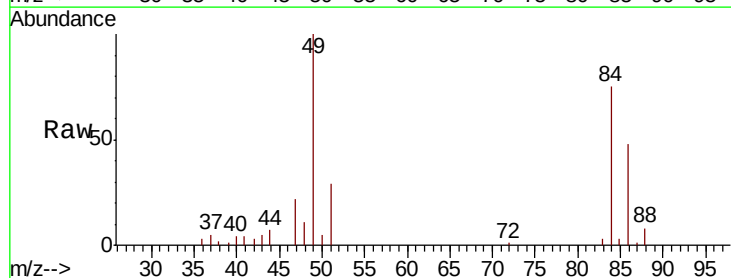
Instrument :
MSVOA_V
ClientSampleId :
VSTD00131

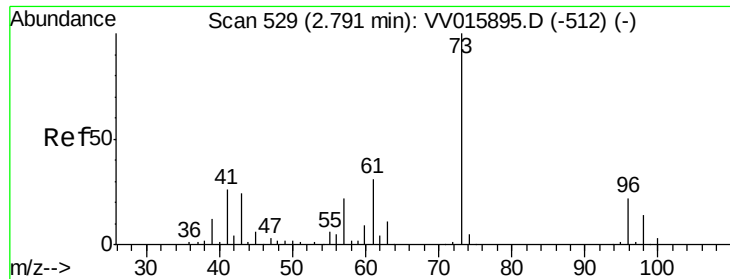
Tot Ion: 43 Resp: 2681
Ion Ratio Lower Upper
43 100
74 14.7 19.2 28.8#



#16
Methylene chloride
Concen: 1.089 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV015894.D
Acq: 05 May 2020 11:21

Tgt Ion: 84 Resp: 12315
Ion Ratio Lower Upper
84 100
86 64.4 45.6 84.8
49 134.2 93.6 173.8

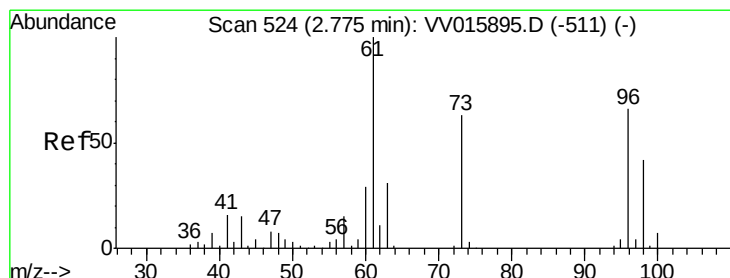
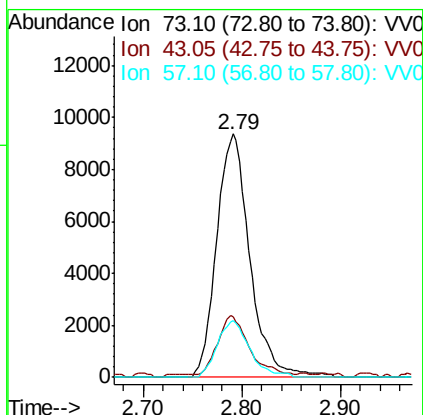
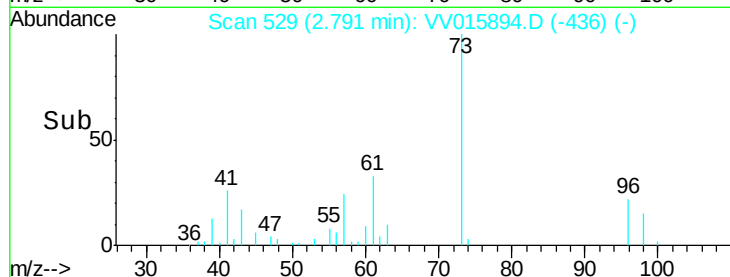
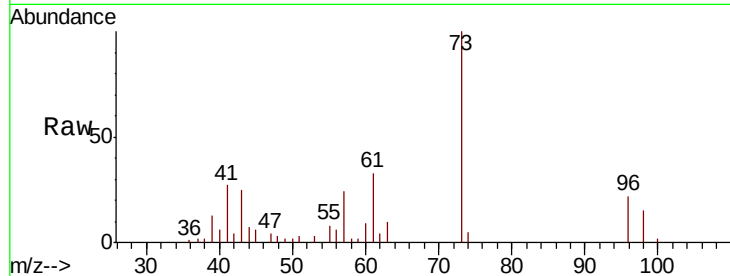




#17
Methyl tert-butyl Ether
Concen: 0.873 ug/L
RT: 2.79 min Scan# 529
Delta R.T. -0.00 min
Lab File: VV015894.D
Acq: 05 May 2020 11:21

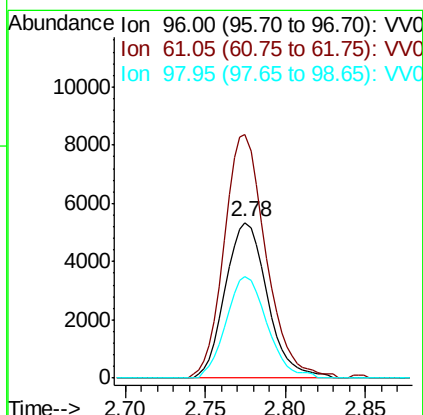
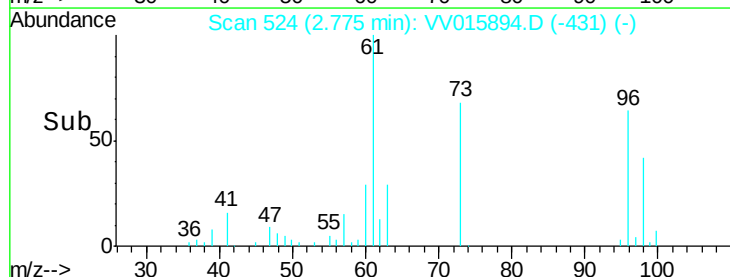
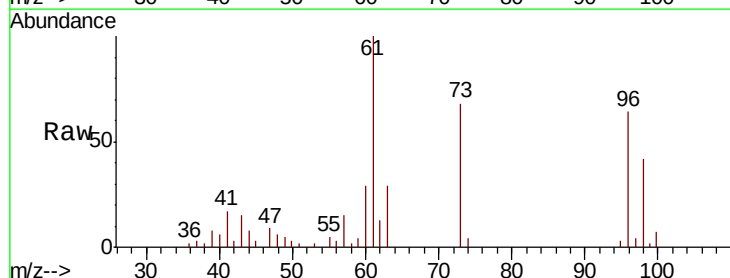
Instrument :
MSVOA_V
ClientSampleId :
VSTD00131

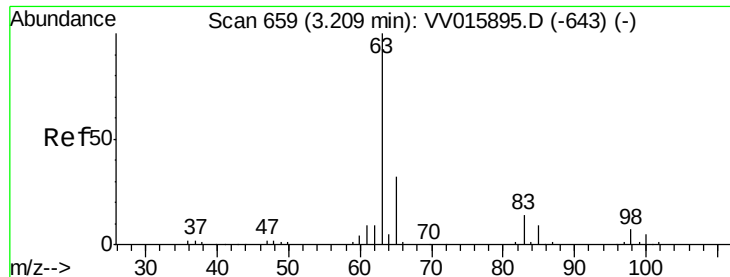
Tot Ion: 73 Resp: 22092
Ion Ratio Lower Upper
73 100
43 22.6 18.8 28.2
57 22.7 17.8 26.6



#18
trans-1,2-Dichloroethene
Concen: 0.940 ug/L
RT: 2.78 min Scan# 524
Delta R.T. -0.00 min
Lab File: VV015894.D
Acq: 05 May 2020 11:21

Tgt Ion: 96 Resp: 9619
Ion Ratio Lower Upper
96 100
61 156.5 105.3 195.5
98 65.3 44.0 81.6

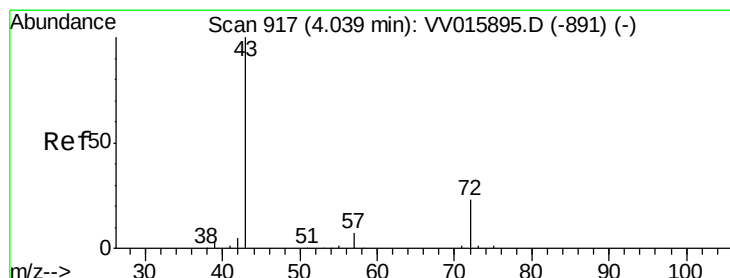
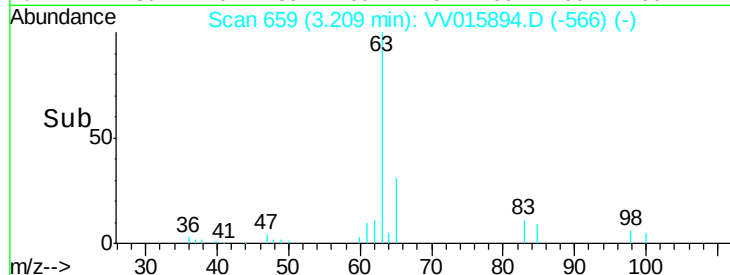
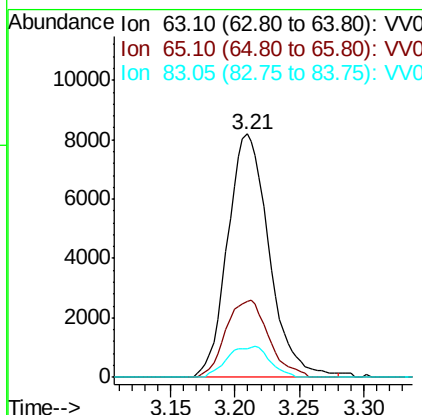
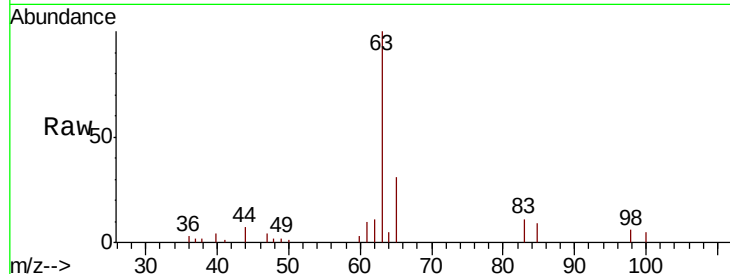




#19
 1,1-Dichloroethane
 Concen: 0.920 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VV015894.D
 Acq: 05 May 2020 11:21

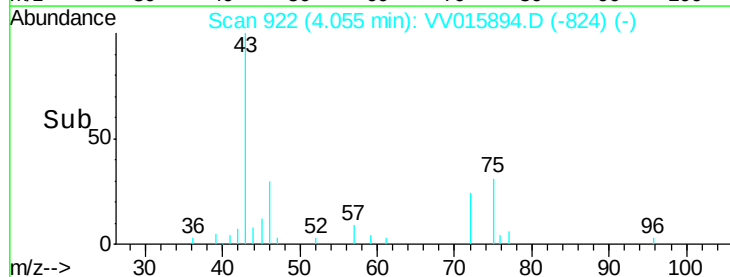
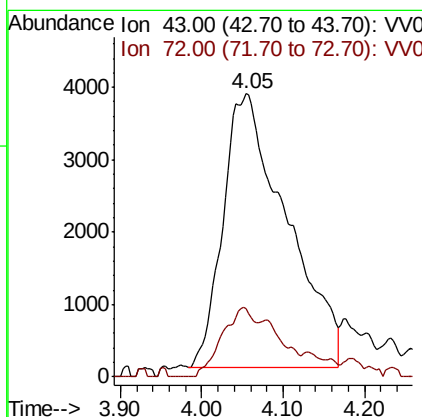
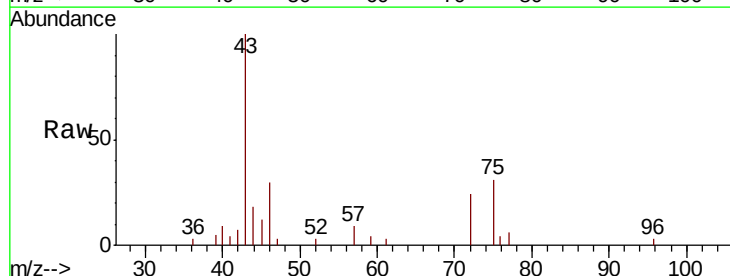
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00131

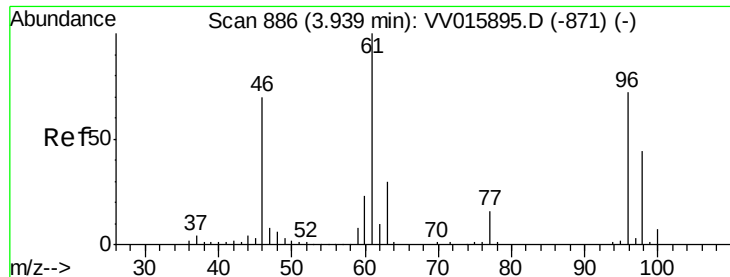
Tot Ion: 63 Resp: 18343
 Ion Ratio Lower Upper
 63 100
 65 31.3 22.0 41.0
 83 11.5 9.8 18.2



#21
 2-Butanone
 Concen: 7.424 ug/L
 RT: 4.05 min Scan# 922
 Delta R.T. 0.02 min
 Lab File: VV015894.D
 Acq: 05 May 2020 11:21

Tgt Ion: 43 Resp: 20611
 Ion Ratio Lower Upper
 43 100
 72 12.9 10.5 31.5



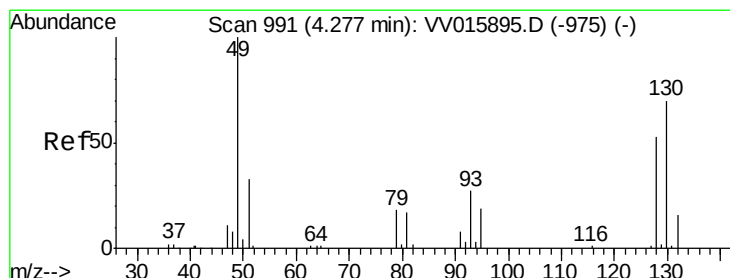
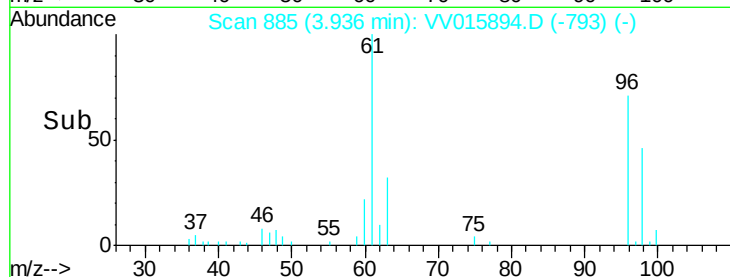
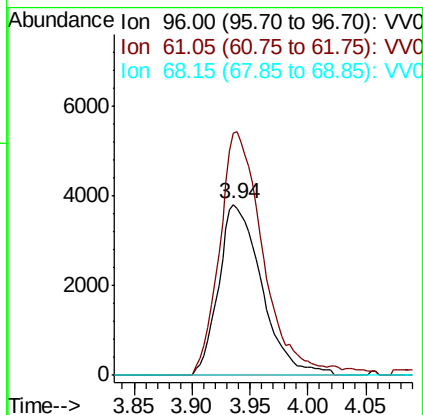
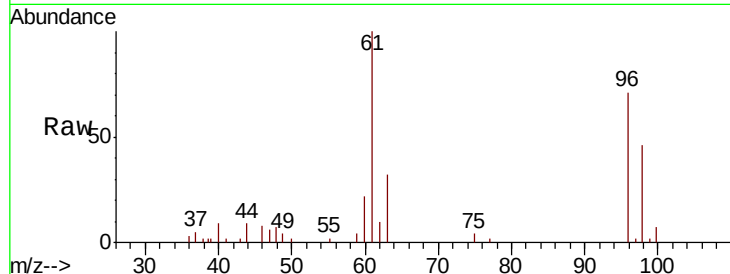


#22

cis-1,2-Dichloroethene
 Concen: 0.880 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. -0.00 min
 Lab File: VV015894.D
 Acq: 05 May 2020 11:21

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00131

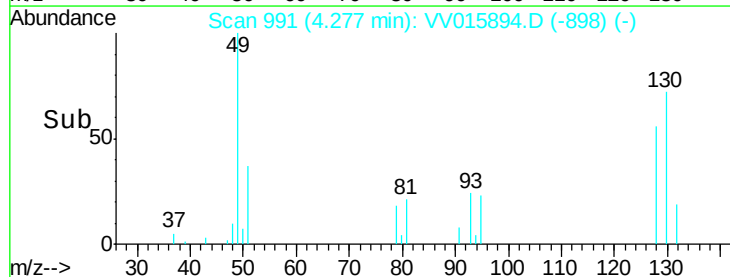
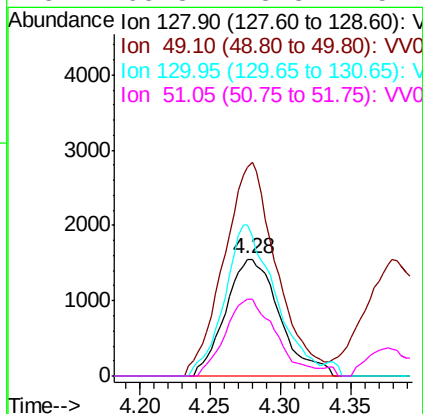
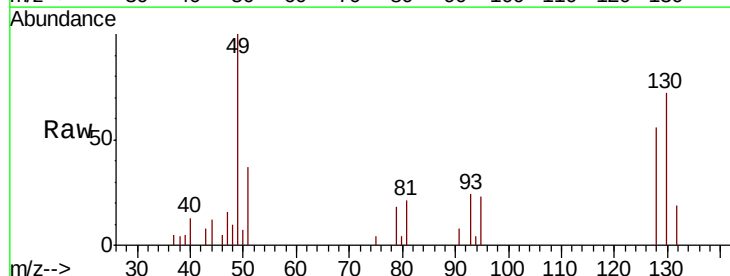
Tot Ion: 96 Resp: 9813
 Ion Ratio Lower Upper
 96 100
 61 141.7 97.2 180.6
 68 0.0 0.0 0.0

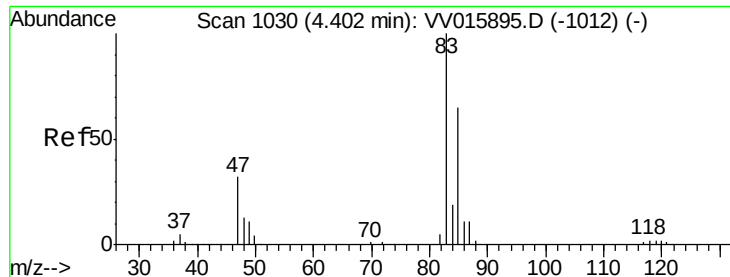


#23

Bromochloromethane
 Concen: 0.904 ug/L
 RT: 4.28 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: VV015894.D
 Acq: 05 May 2020 11:21

Tgt Ion: 128 Resp: 4152
 Ion Ratio Lower Upper
 128 100
 49 178.6 131.3 243.8
 130 129.0 91.8 170.4
 51 65.8 48.8 73.2

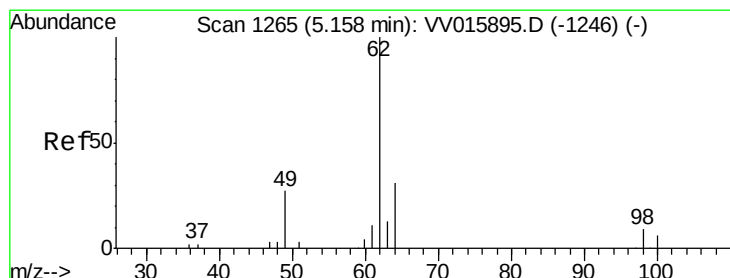
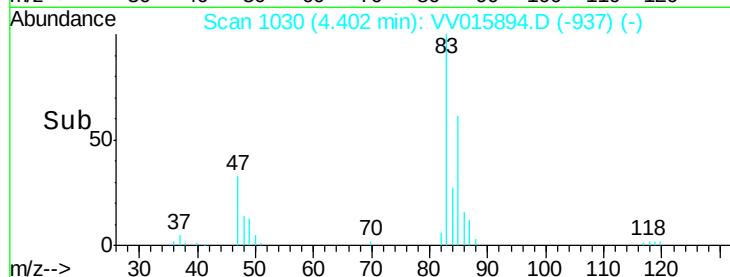
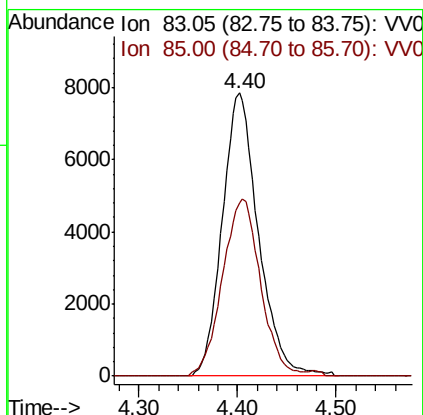
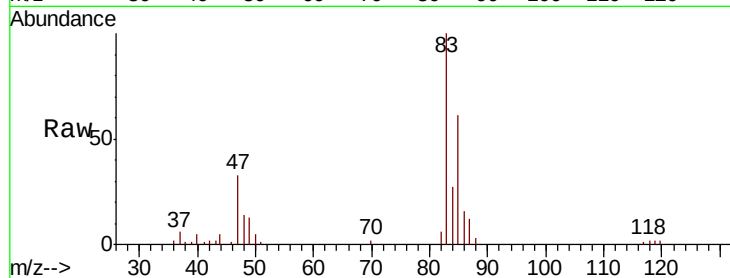




#25
Chloroform
Concen: 0.942 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV015894.D
Acq: 05 May 2020 11:21

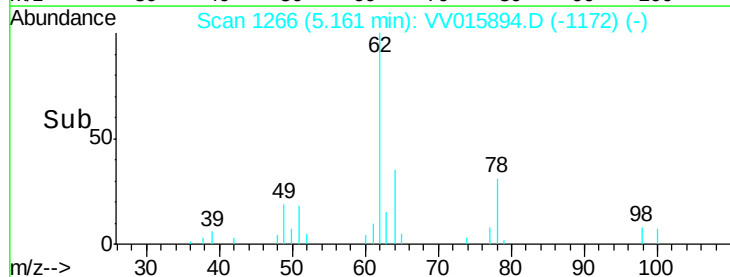
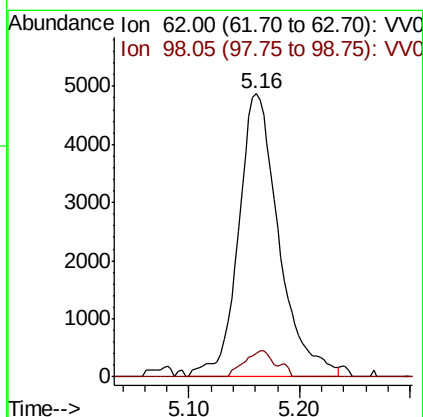
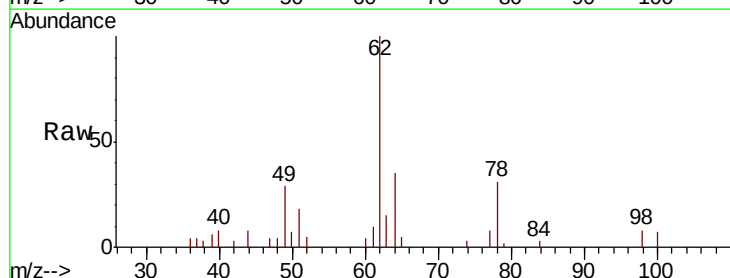
Instrument :
MSVOA_V
ClientSampleId :
VSTD00131

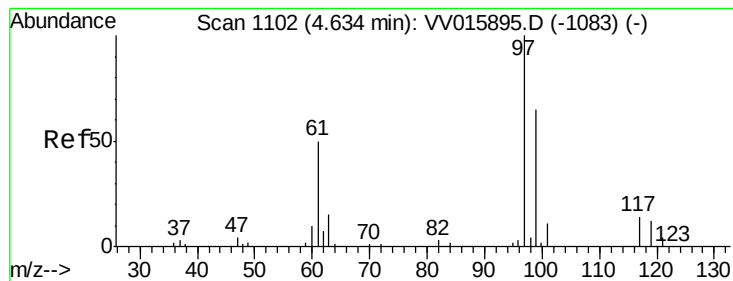
Tot Ion: 83 Resp: 20101
Ion Ratio Lower Upper
83 100
85 61.3 45.7 84.9



#27
1,2-Dichloroethane
Concen: 0.895 ug/L
RT: 5.16 min Scan# 1266
Delta R.T. 0.00 min
Lab File: VV015894.D
Acq: 05 May 2020 11:21

Tgt Ion: 62 Resp: 12407
Ion Ratio Lower Upper
62 100
98 8.5 6.7 10.1





#29

1,1,1-Trichloroethane

Concen: 0.865 ug/L

RT: 4.63 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VV015894.D

Acq: 05 May 2020 11:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD00131

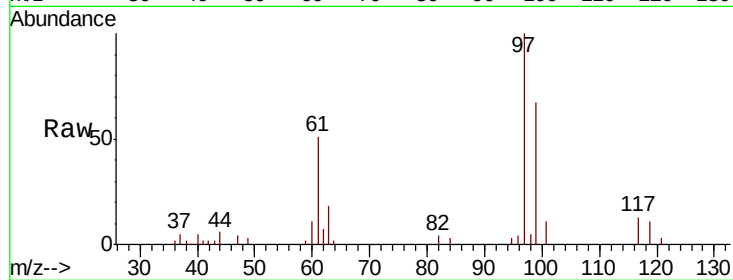
Tot Ion: 97 Resp: 16198

Ion Ratio Lower Upper

97 100

99 67.0 50.7 76.1

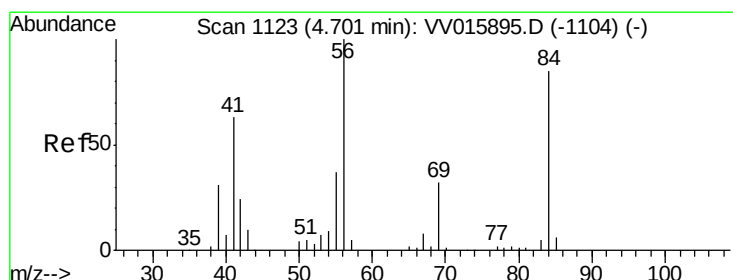
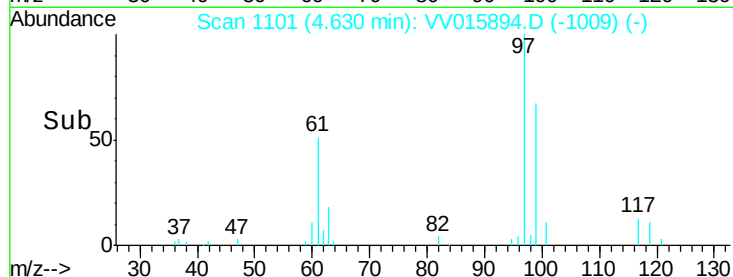
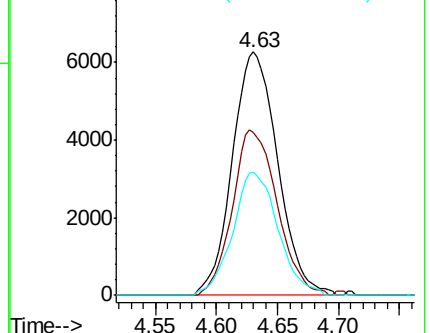
61 50.4 38.8 58.2



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 0.913 ug/L

RT: 4.70 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VV015894.D

Acq: 05 May 2020 11:21

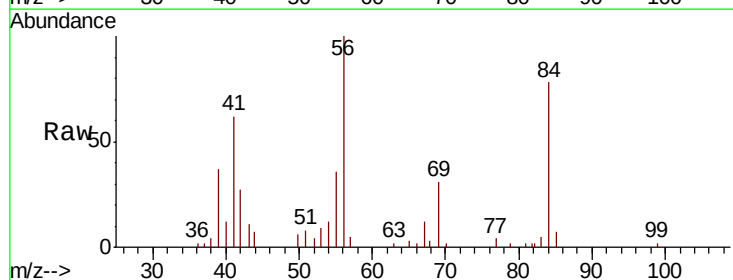
Tgt Ion: 56 Resp: 16517

Ion Ratio Lower Upper

56 100

69 30.5 24.2 36.2

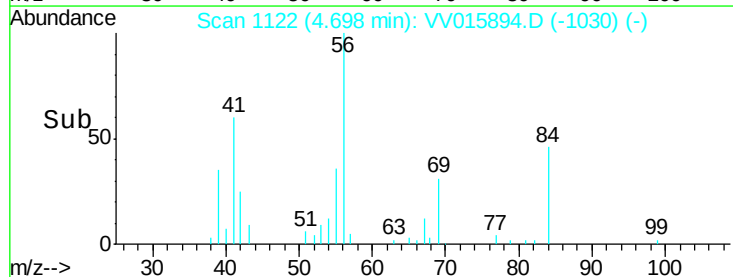
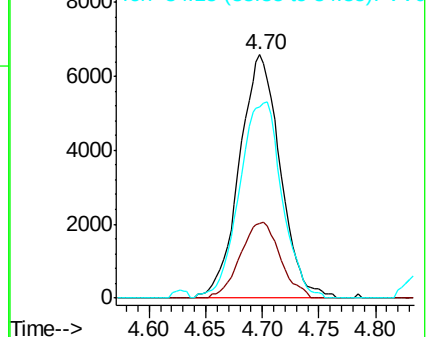
84 84.2 68.3 102.5

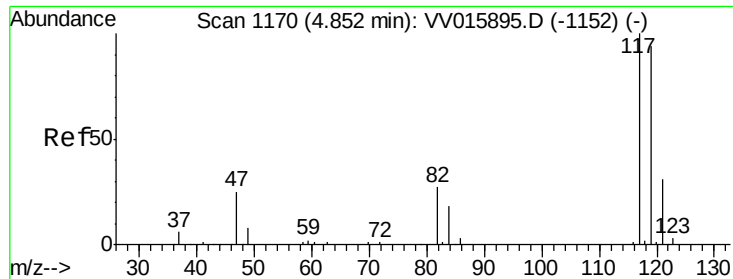


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 0.885 ug/L

RT: 4.85 min Scan# 1169

Delta R.T. -0.00 min

Lab File: VV015894.D

Acq: 05 May 2020 11:21

Instrument :

MSVOA_V

ClientSampleId :

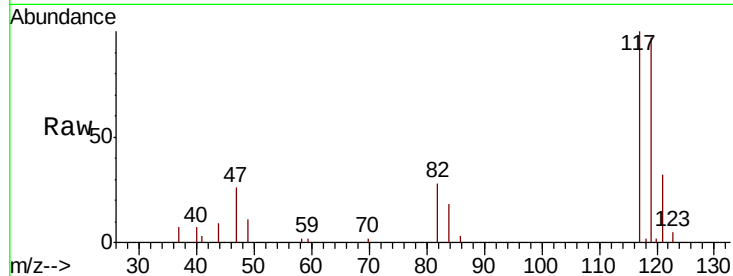
VSTD00131

Tot Ion:117 Resp: 13805

Ion Ratio Lower Upper

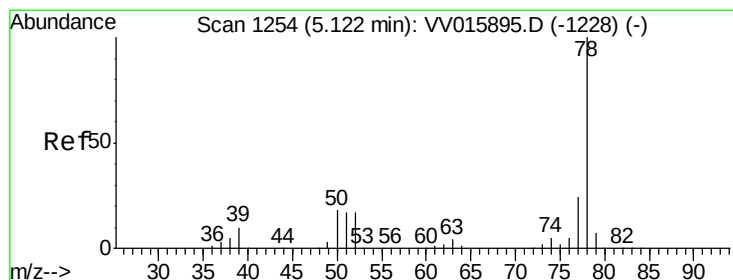
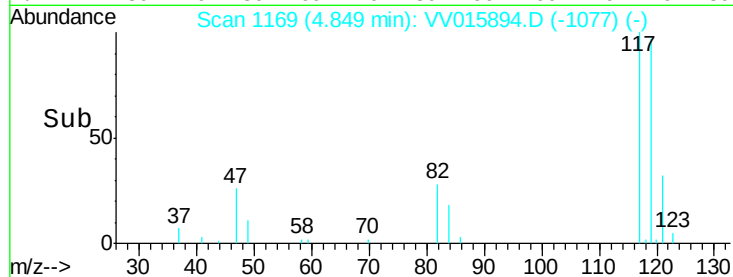
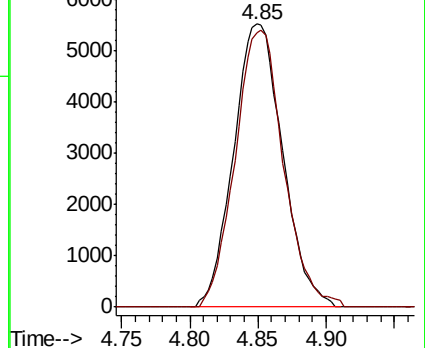
117 100

119 96.2 77.3 115.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.894 ug/L

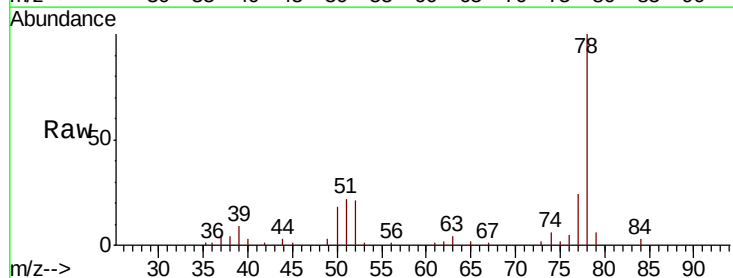
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

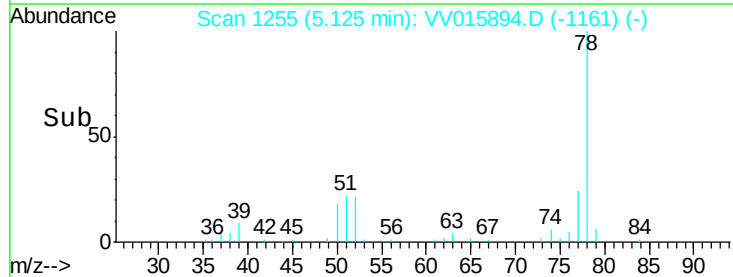
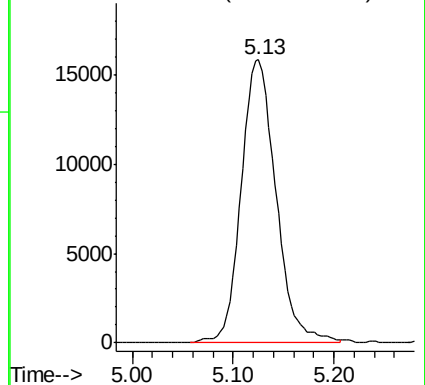
Lab File: VV015894.D

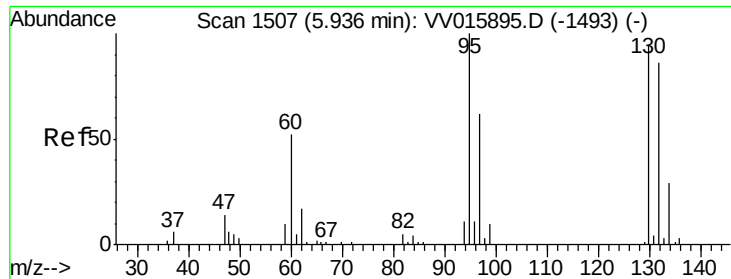
Acq: 05 May 2020 11:21

Tgt Ion: 78 Resp: 37912



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 0.860 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV015894.D

Acq: 05 May 2020 11:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD00131

Tot Ion: 95 Resp: 10079

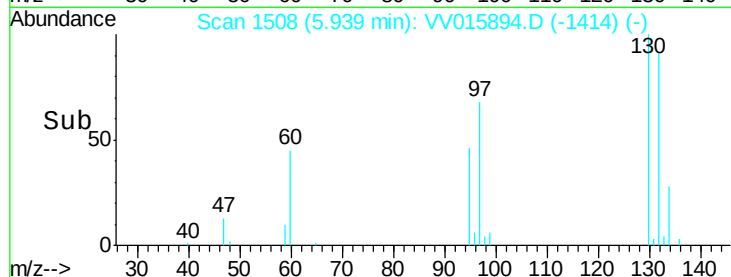
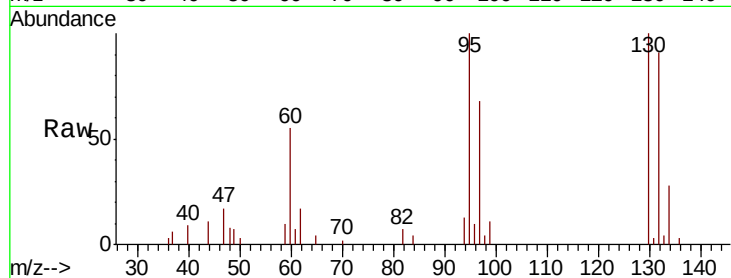
Ion Ratio Lower Upper

95 100

97 68.0 43.3 80.5

132 91.6 60.3 112.1

130 100.4 66.0 122.6

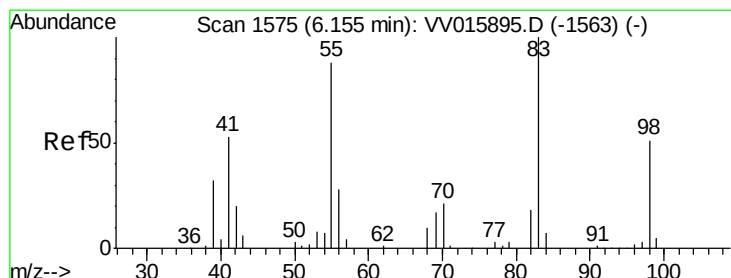
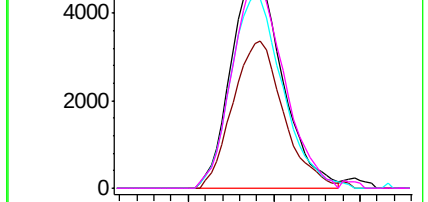


Abundance Ion 95.00 (94.70 to 95.70): VV015894.D (-1414) (-)

Ion 96.95 (96.65 to 97.65): VV015894.D (-1414) (-)

Ion 131.95 (131.65 to 132.65): VV015894.D (-1414) (-)

Ion 129.95 (129.65 to 130.65): VV015894.D (-1414) (-)



#35

Methylcyclohexane

Concen: 0.906 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VV015894.D

Acq: 05 May 2020 11:21

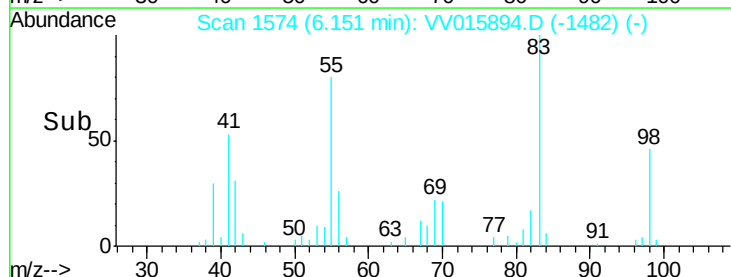
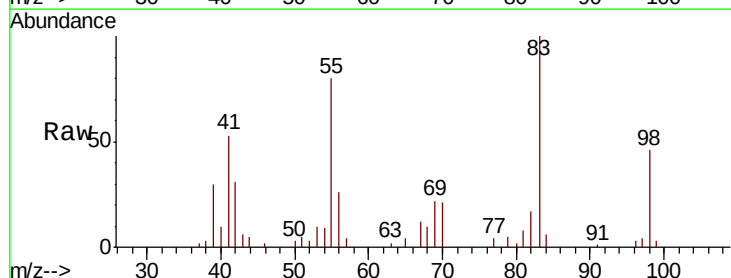
Tgt Ion: 83 Resp: 16401

Ion Ratio Lower Upper

83 100

55 83.6 66.2 99.2

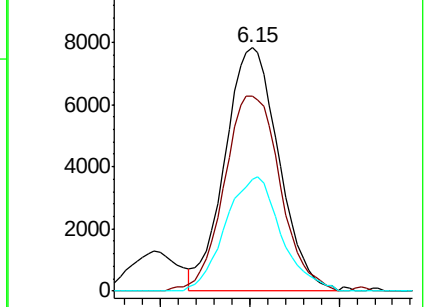
98 48.6 37.9 56.9

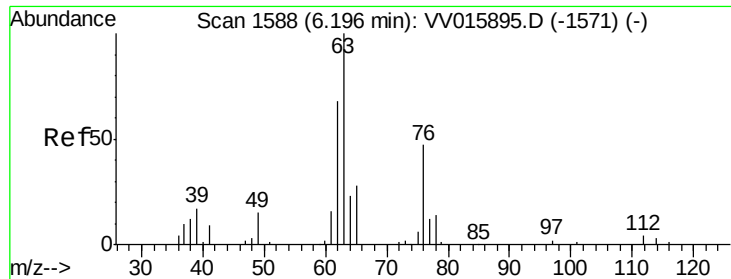


Abundance Ion 83.15 (82.85 to 83.85): VV015894.D (-1482) (-)

Ion 55.10 (54.80 to 55.80): VV015894.D (-1482) (-)

Ion 98.15 (97.85 to 98.85): VV015894.D (-1482) (-)

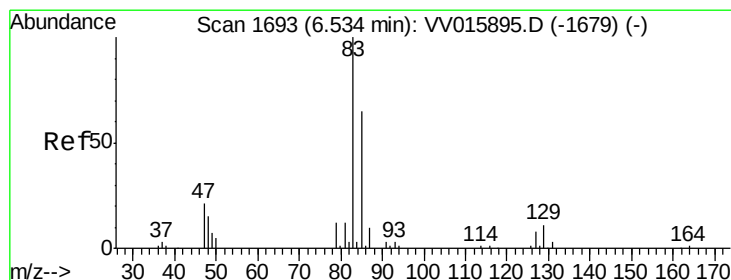
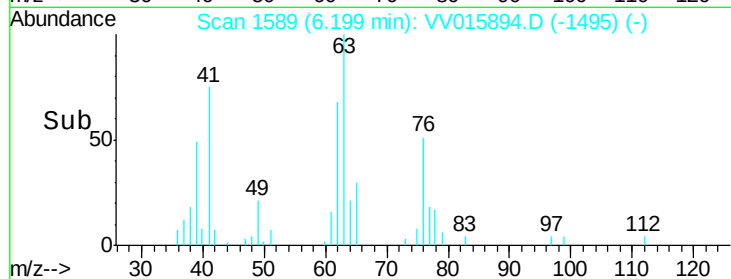
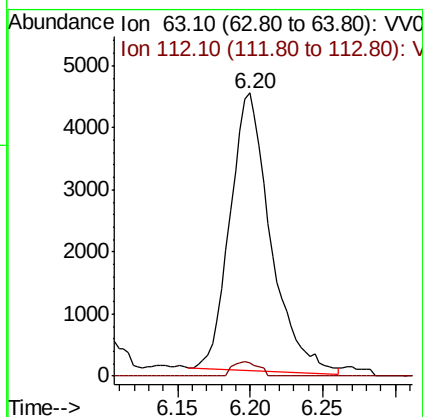
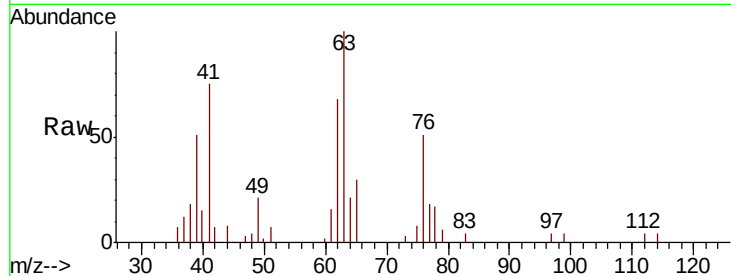




#37
 1,2-Dichloropropane
 Concen: 0.808 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV015894.D
 Acq: 05 May 2020 11:21

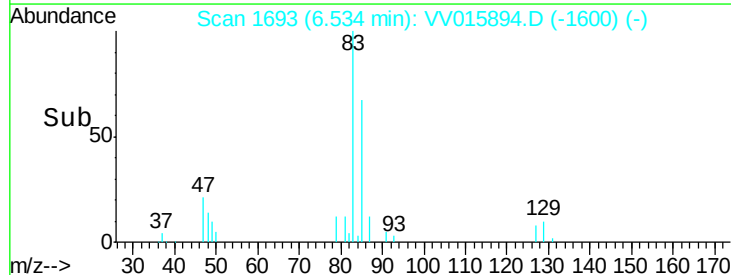
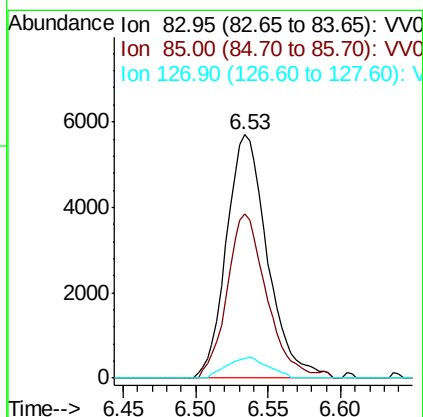
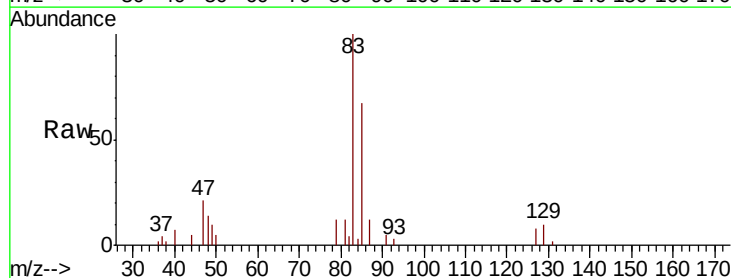
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00131

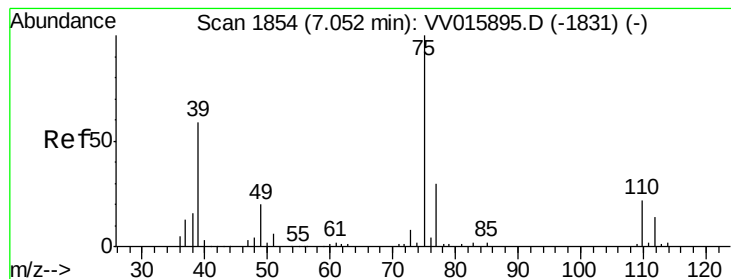
Tot Ion: 63 Resp: 8708
 Ion Ratio Lower Upper
 63 100
 112 3.2 3.4 5.0#



#38
 Bromodichloromethane
 Concen: 0.818 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. -0.00 min
 Lab File: VV015894.D
 Acq: 05 May 2020 11:21

Tgt Ion: 83 Resp: 11176
 Ion Ratio Lower Upper
 83 100
 85 67.2 45.5 84.5
 127 8.2 6.2 9.4





#39

cis-1,3-Dichloropropene

Concen: 0.813 ug/L

RT: 7.05 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VV015894.D

Acq: 05 May 2020 11:21

Instrument :

MSVOA_V

ClientSampleId :

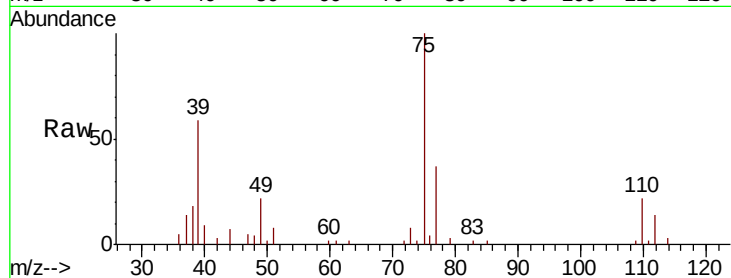
VSTD00131

Tot Ion: 75 Resp: 12258

Ion Ratio Lower Upper

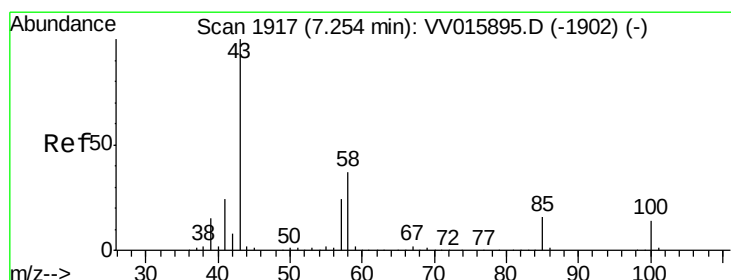
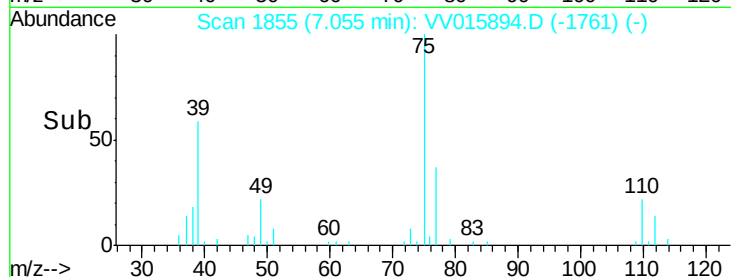
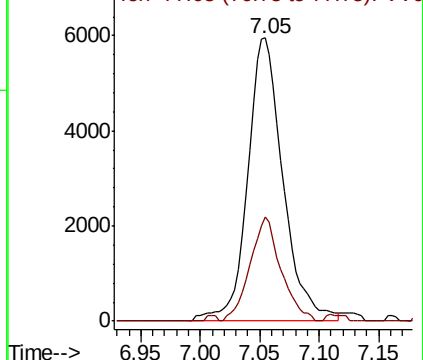
75 100

77 36.7 21.3 39.5



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#40

4-Methyl-2-pentanone

Concen: 8.216 ug/L

RT: 7.25 min Scan# 1917

Delta R.T. -0.00 min

Lab File: VV015894.D

Acq: 05 May 2020 11:21

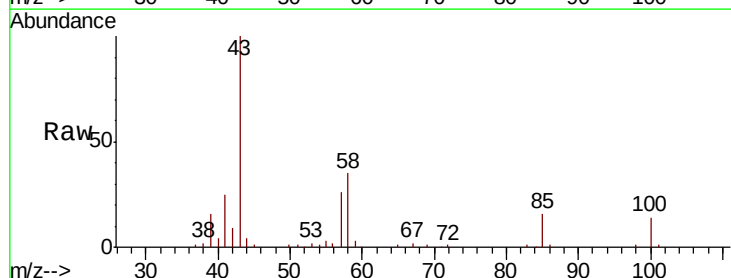
Tgt Ion: 43 Resp: 57453

Ion Ratio Lower Upper

43 100

58 36.3 29.0 43.4

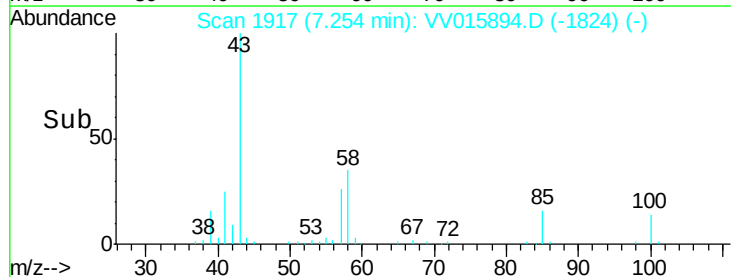
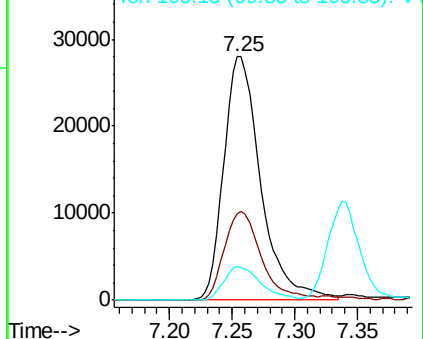
100 13.8 10.9 16.3

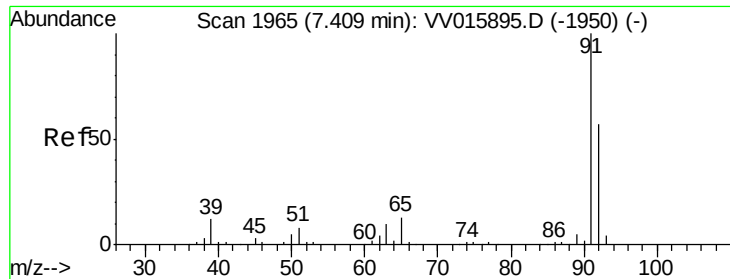


Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 100.15 (99.85 to 100.85): VV0





#42

Toluene

Concen: 0.859 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV015894.D

Acq: 05 May 2020 11:21

Instrument :

MSVOA_V

ClientSampleId :

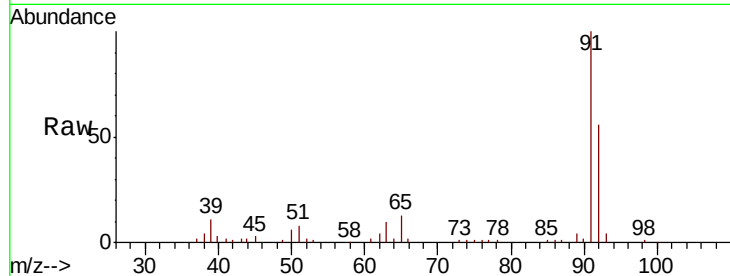
VSTD00131

Tot Ion: 91 Resp: 38901

Ion Ratio Lower Upper

91 100

92 56.3 40.1 74.5



Abundance Ion 91.15 (90.85 to 91.85): VV015895.D (-1950) (-)

Ion 92.15 (91.85 to 92.85): VV015895.D (-1950) (-)

7.41

25000

20000

15000

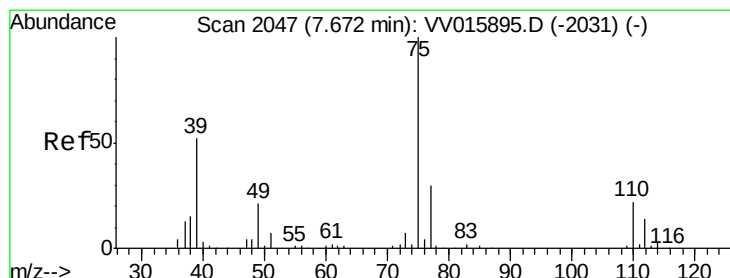
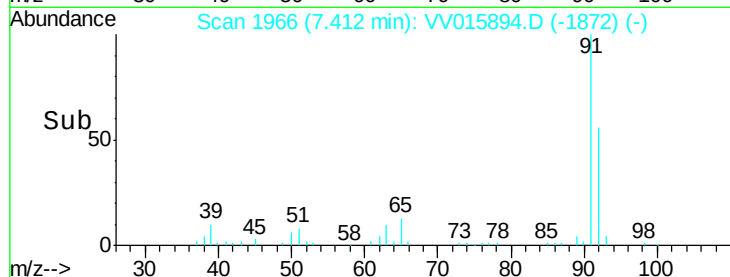
10000

5000

0

7.35 7.40 7.45 7.50

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.764 ug/L

RT: 7.68 min Scan# 2049

Delta R.T. 0.01 min

Lab File: VV015894.D

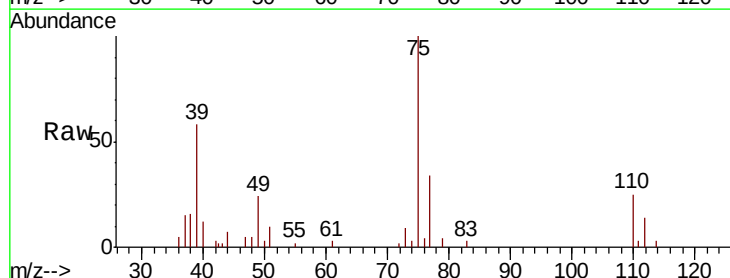
Acq: 05 May 2020 11:21

Tgt Ion: 75 Resp: 9646

Ion Ratio Lower Upper

75 100

77 34.2 21.3 39.6



Abundance Ion 75.05 (74.75 to 75.75): VV015895.D (-2031) (-)

Ion 77.05 (76.75 to 77.75): VV015895.D (-2031) (-)

7.68

5000

4000

3000

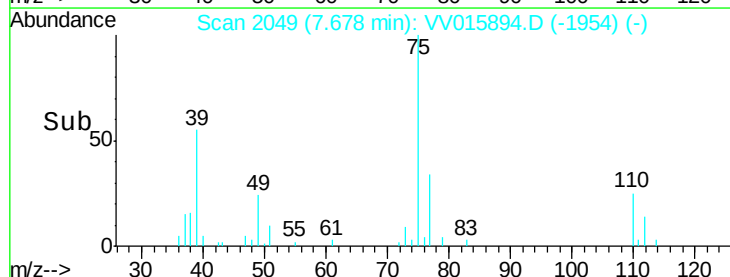
2000

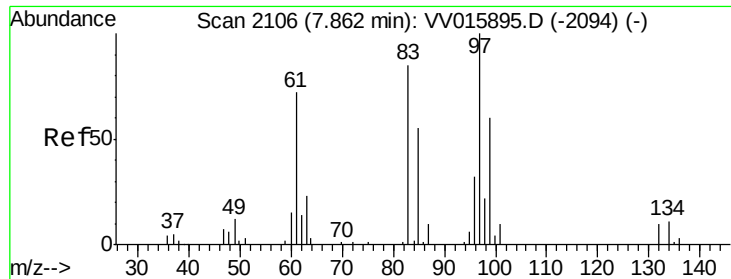
1000

0

7.60 7.65 7.70 7.75

Time-->

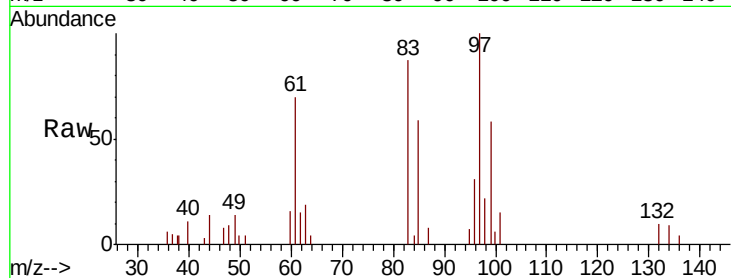




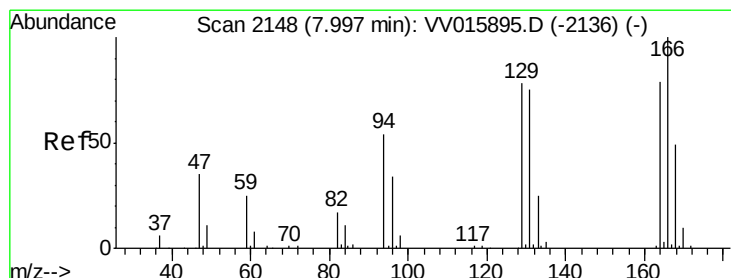
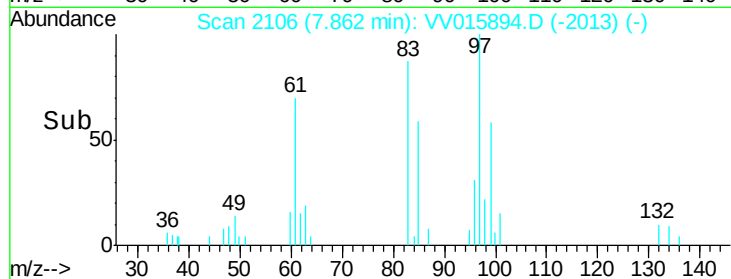
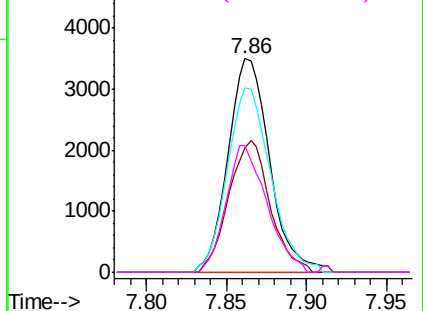
#45
 1,1,2-Trichloroethane
 Concen: 0.851 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. -0.00 min
 Lab File: VV015894.D
 Acq: 05 May 2020 11:21

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00131

Tot Ion:	97	Resp:	6210
Ion	Ratio	Lower	Upper
97	100		
99	58.3	42.1	78.1
83	86.5	59.2	110.0
85	59.4	38.6	71.8

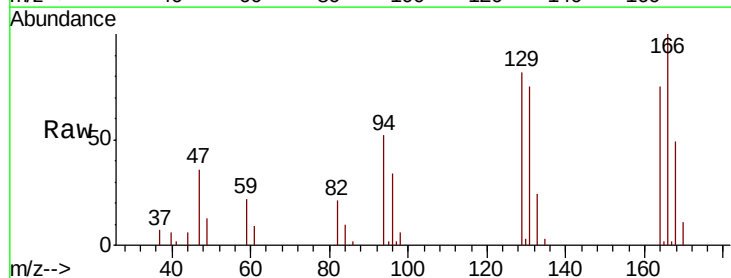


Abundance Ion 96.95 (96.65 to 97.65): VV015894.D (-2094) (-)
 Ion 99.05 (98.75 to 99.75): VV015894.D (-2094) (-)
 Ion 82.95 (82.65 to 83.65): VV015894.D (-2094) (-)
 Ion 85.00 (84.70 to 85.70): VV015894.D (-2094) (-)

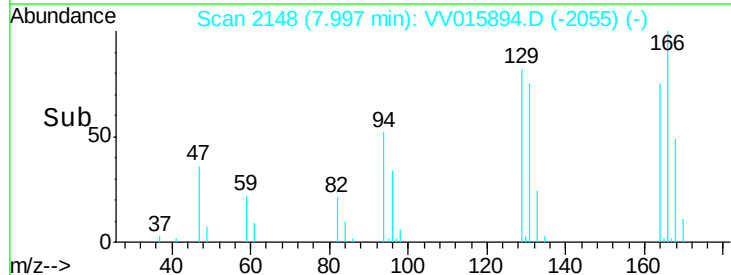
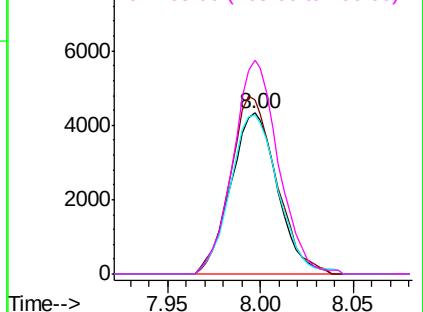


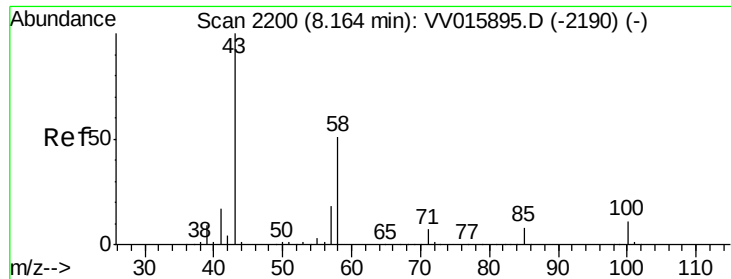
#47
 Tetrachloroethene
 Concen: 0.900 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VV015894.D
 Acq: 05 May 2020 11:21

Tgt Ion:	164	Resp:	7589
Ion	Ratio	Lower	Upper
164	100		
129	108.3	69.7	129.4
131	99.0	66.8	124.2
166	132.8	89.1	165.5



Abundance Ion 163.90 (163.60 to 164.60): VV015894.D (-2136) (-)
 Ion 128.95 (128.65 to 129.65): VV015894.D (-2136) (-)
 Ion 130.95 (130.65 to 131.65): VV015894.D (-2136) (-)
 Ion 165.90 (165.60 to 166.60): VV015894.D (-2136) (-)

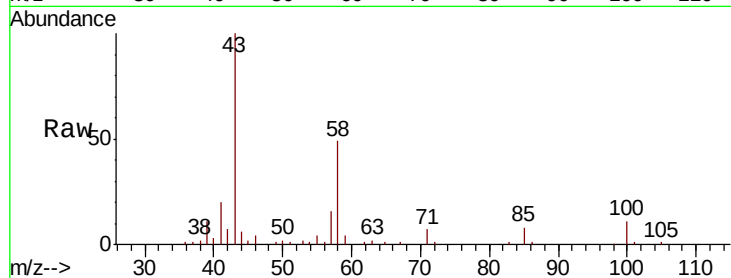




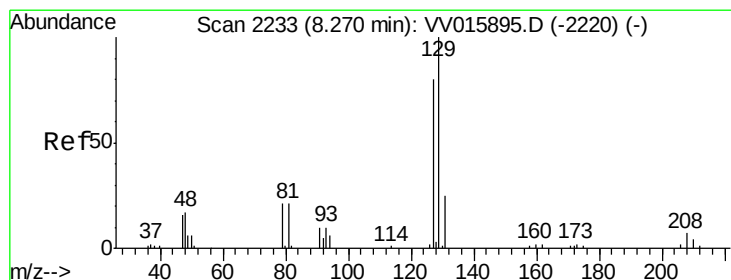
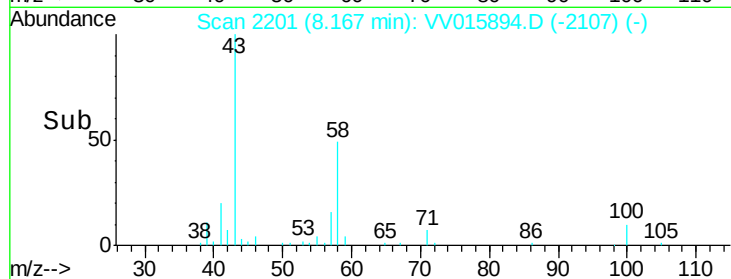
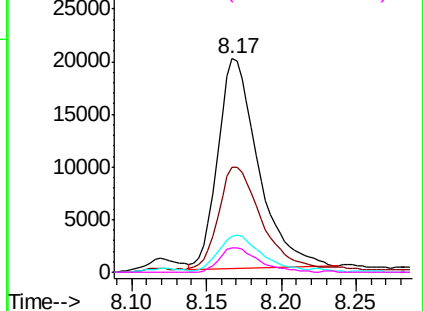
#48
2-Hexanone
Concen: 7.576 ug/L
RT: 8.17 min Scan# 2201
Delta R.T. 0.00 min
Lab File: VV015894.D
Acq: 05 May 2020 11:21

Instrument :
MSVOA_V
ClientSampleId :
VSTD00131

Tot Ion: 43 Resp: 37603
Ion Ratio Lower Upper
43 100
58 54.2 40.8 61.2
57 17.5 14.7 22.1
100 11.3 9.0 13.6

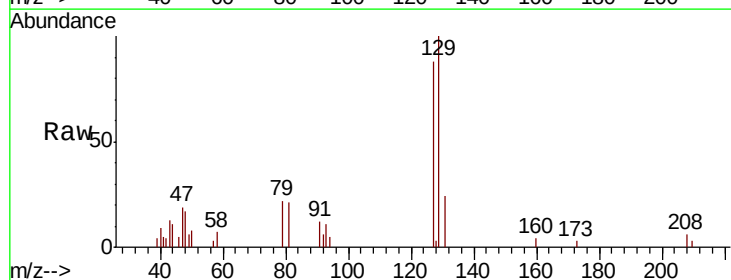


Abundance Ion 43.05 (42.75 to 43.75): VV015894.D (-2107) (-)
Ion 58.05 (57.75 to 58.75): VV015894.D (-2107) (-)
Ion 57.20 (56.90 to 57.90): VV015894.D (-2107) (-)
Ion 100.15 (99.85 to 100.85): VV015894.D (-2107) (-)

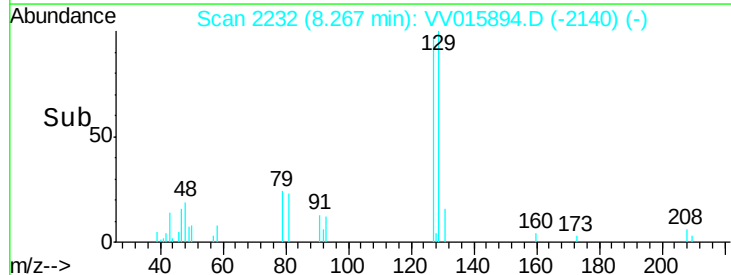
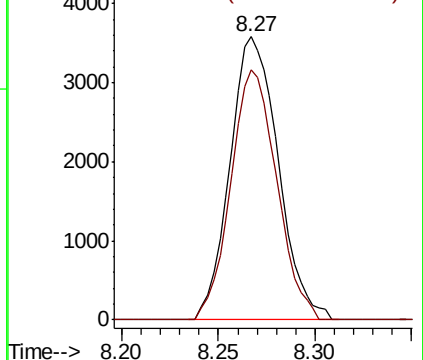


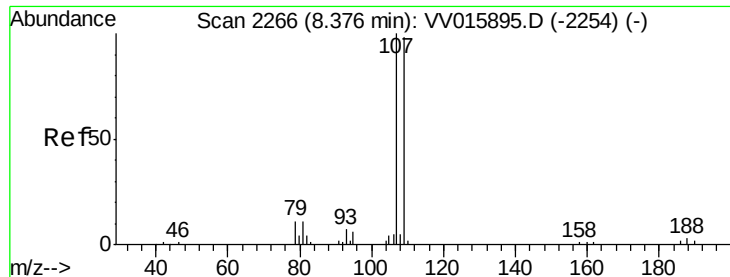
#49
Dibromochloromethane
Concen: 0.809 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV015894.D
Acq: 05 May 2020 11:21

Tgt Ion: 129 Resp: 6201
Ion Ratio Lower Upper
129 100
127 88.2 56.0 104.0



Abundance Ion 128.95 (128.65 to 129.65): VV015894.D (-2140) (-)
Ion 126.90 (126.60 to 127.60): VV015894.D (-2140) (-)

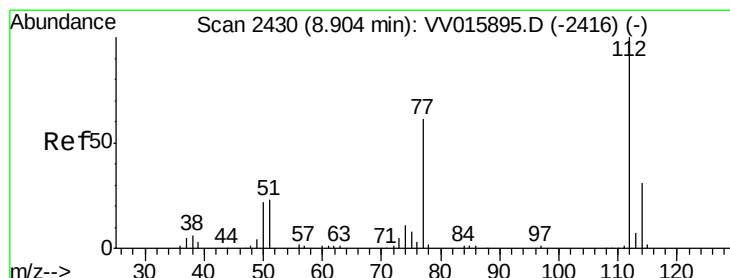
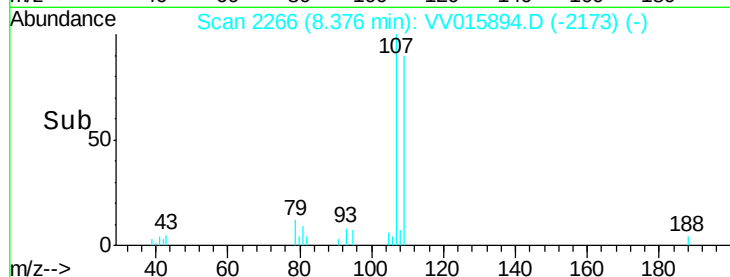
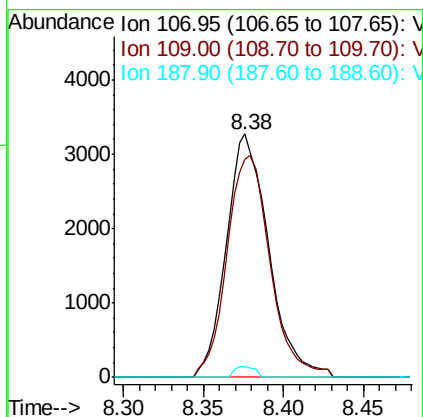
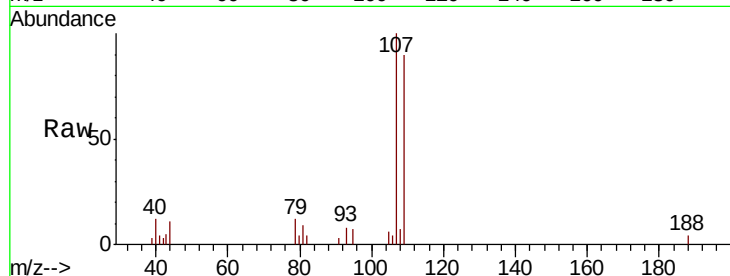




#50
 1,2-Dibromoethane
 Concen: 0.878 ug/L
 RT: 8.38 min Scan# 2266
 Delta R.T. -0.00 min
 Lab File: VV015894.D
 Acq: 05 May 2020 11:21

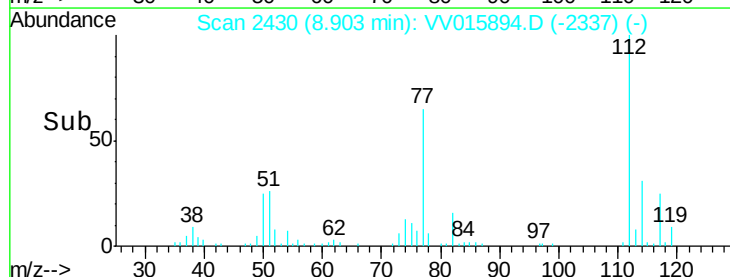
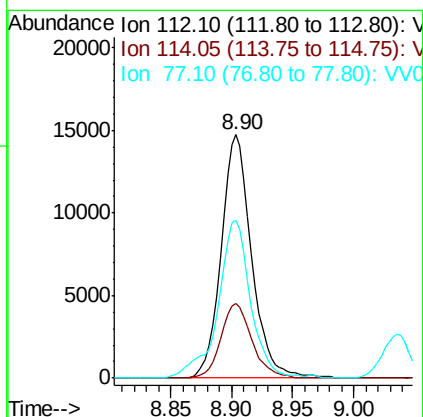
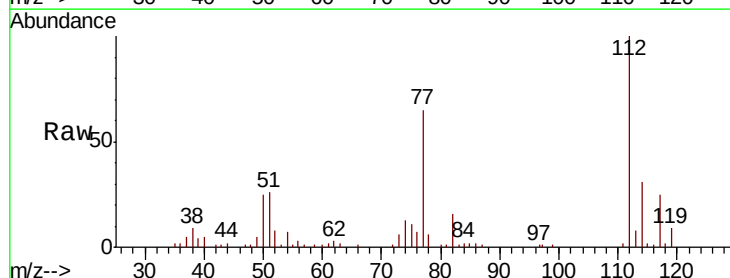
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00131

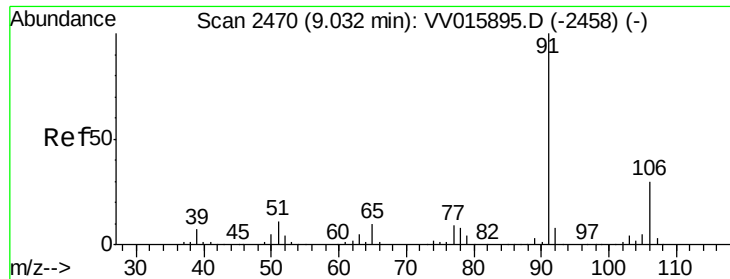
Tot Ion:107 Resp: 5928
 Ion Ratio Lower Upper
 107 100
 109 89.6 68.9 127.9
 188 4.4 2.7 4.1#



#51
 Chlorobenzene
 Concen: 0.868 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. -0.00 min
 Lab File: VV015894.D
 Acq: 05 May 2020 11:21

Tgt Ion:112 Resp: 25752
 Ion Ratio Lower Upper
 112 100
 114 30.6 21.6 40.0
 77 65.1 48.6 73.0





#52

Ethylbenzene

Concen: 0.837 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV015894.D

Acq: 05 May 2020 11:21

Instrument :

MSVOA_V

ClientSampleId :

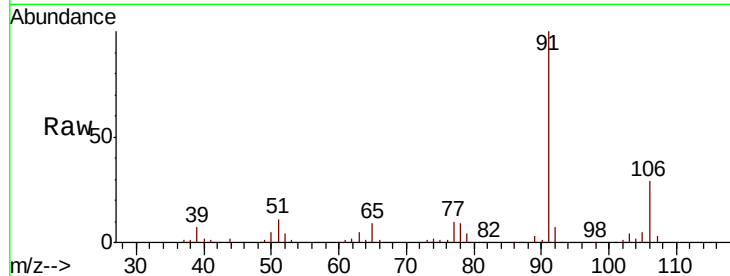
VSTD00131

Tot Ion: 91 Resp: 43808

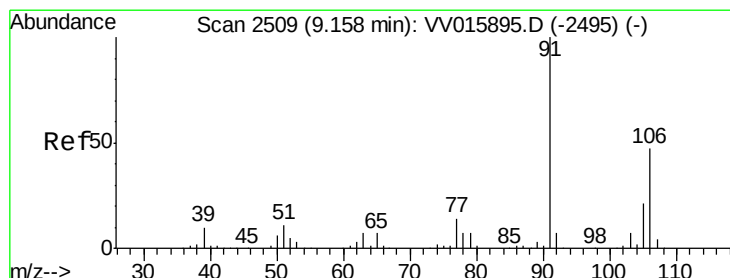
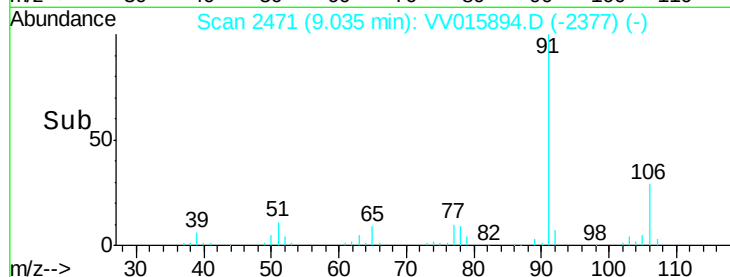
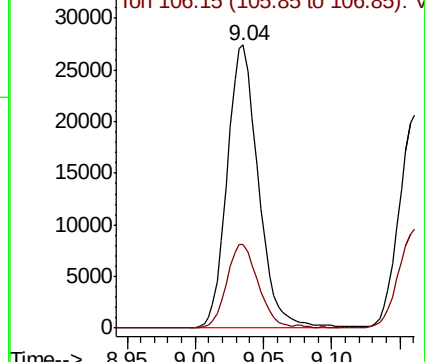
Ion Ratio Lower Upper

91 100

106 29.4 20.6 38.4



Abundance Ion 91.15 (90.85 to 91.85): VV015894.D (-2377) (-)



#53

m,p-xylene

Concen: 0.839 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV015894.D

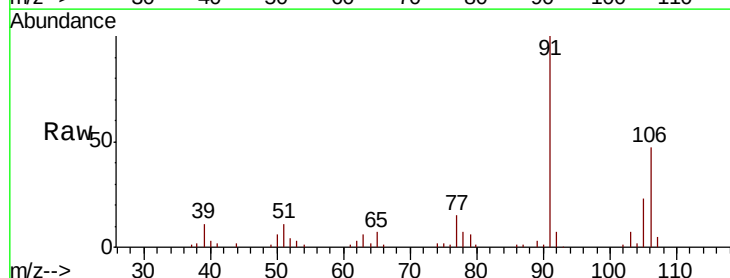
Acq: 05 May 2020 11:21

Tgt Ion: 106 Resp: 16125

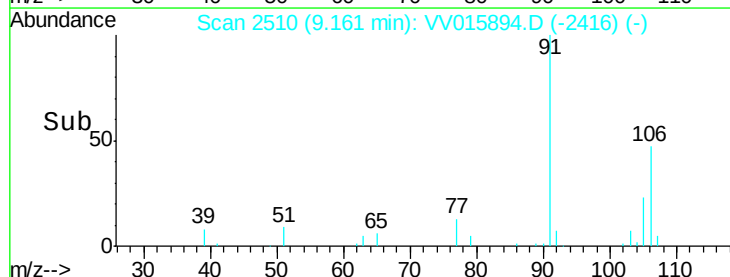
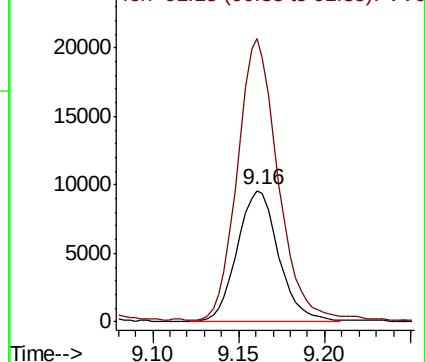
Ion Ratio Lower Upper

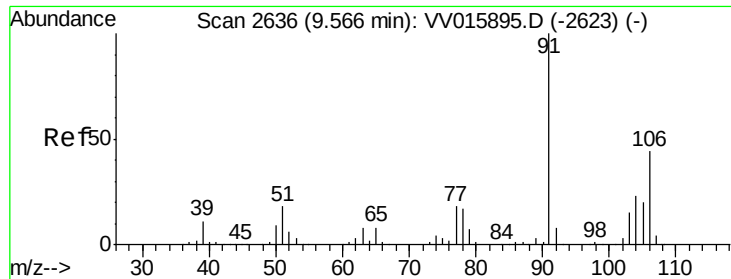
106 100

91 215.0 149.9 278.3



Abundance Ion 106.15 (105.85 to 106.85): VV015894.D (-2416) (-)

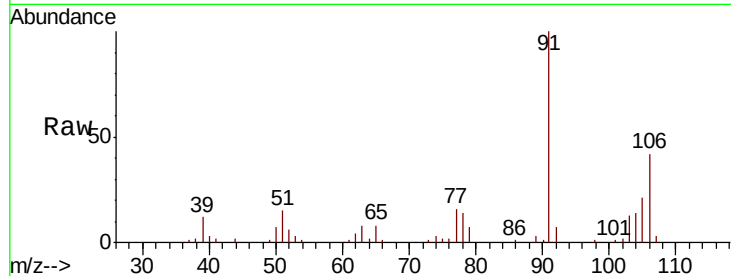




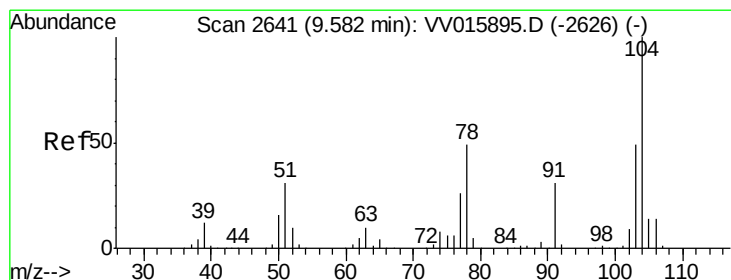
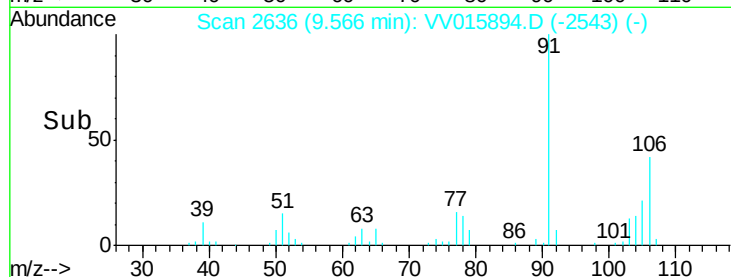
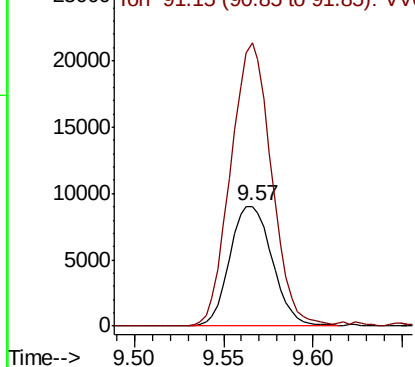
#54
o-xylene
Concen: 0.808 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. -0.00 min
Lab File: VV015894.D
Acq: 05 May 2020 11:21

Instrument :
MSVOA_V
ClientSampleId :
VSTD00131

Tot Ion:106 Resp: 14956
Ion Ratio Lower Upper
106 100
91 236.6 159.7 296.5

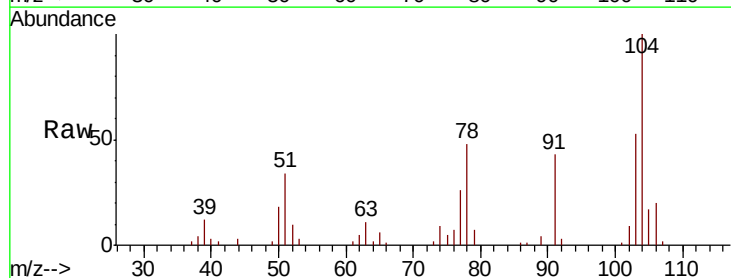


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

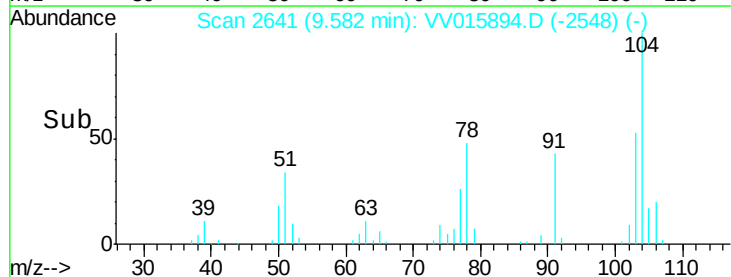
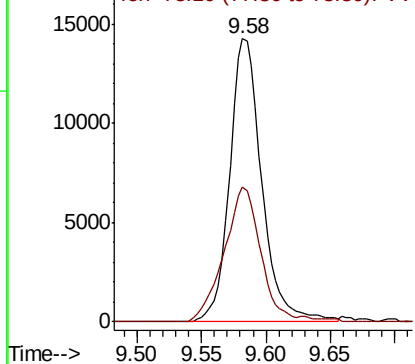


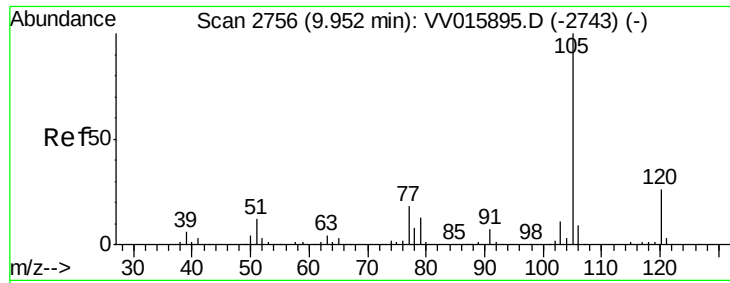
#55
Styrene
Concen: 0.788 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. -0.00 min
Lab File: VV015894.D
Acq: 05 May 2020 11:21

Tgt Ion:104 Resp: 24706
Ion Ratio Lower Upper
104 100
78 47.7 33.9 63.0



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 0.808 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV015894.D

Acq: 05 May 2020 11:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD00131

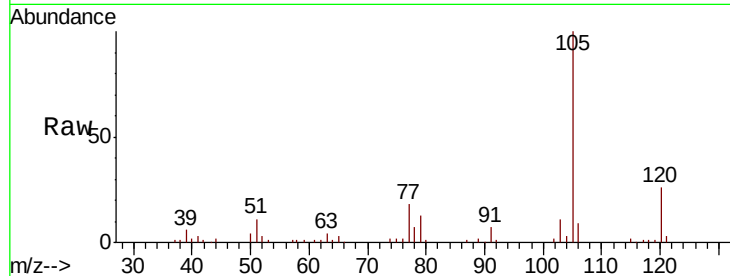
Tot Ion:105 Resp: 41907

Ion Ratio Lower Upper

105 100

120 26.0 20.8 31.2

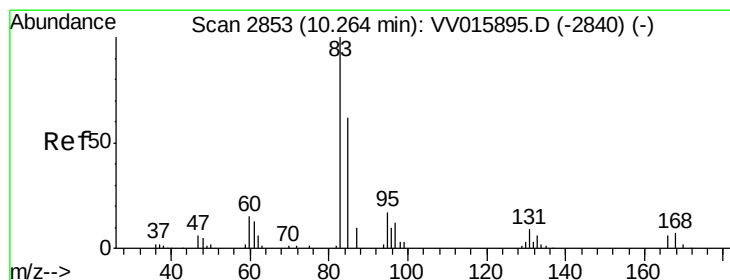
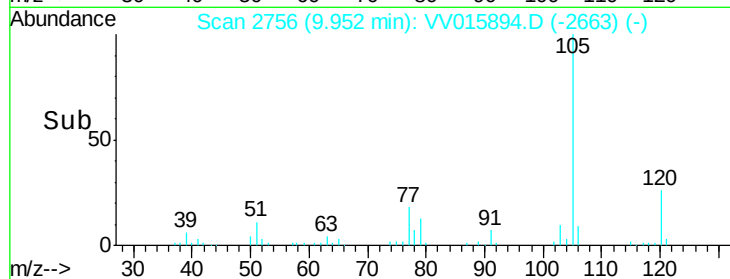
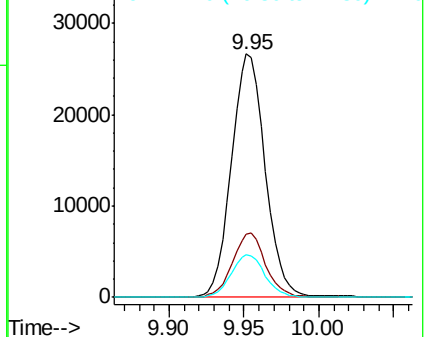
77 17.6 14.1 21.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 0.833 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV015894.D

Acq: 05 May 2020 11:21

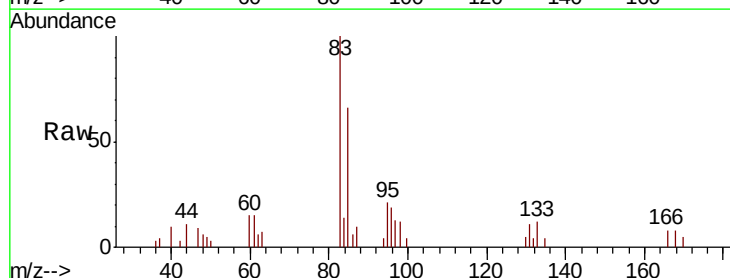
Tgt Ion: 83 Resp: 7111

Ion Ratio Lower Upper

83 100

85 66.0 44.0 81.6

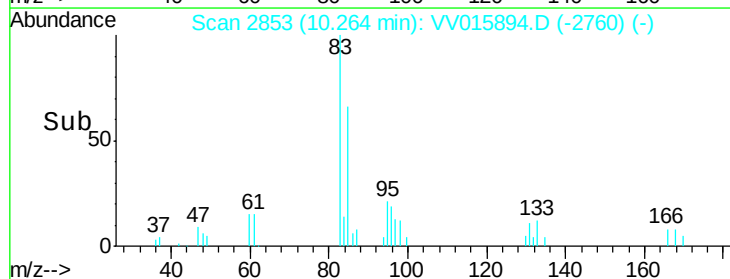
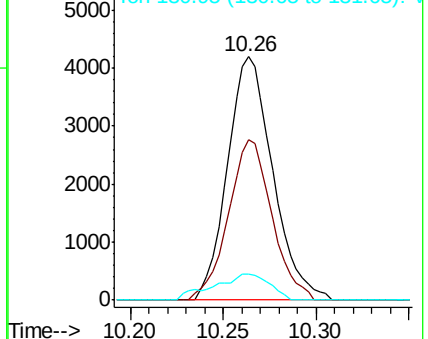
131 10.7 7.7 11.5

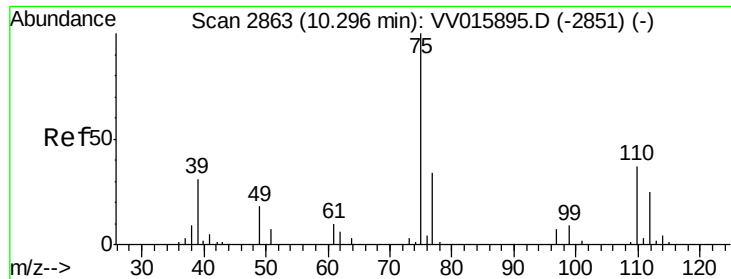


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.836 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VV015894.D

Acq: 05 May 2020 11:21

Instrument :

MSVOA_V

ClientSampleId :

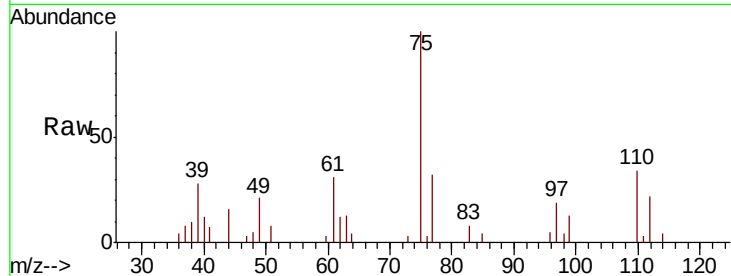
VSTD00131

Tot Ion: 75 Resp: 5702

Ion Ratio Lower Upper

75 100

77 32.7 26.2 39.4



Abundance Ion 75.00 (74.70 to 75.70): VV015895.D (-2851) (-)

Ion 77.00 (76.70 to 77.70): VV015895.D (-2851) (-)

10.30

4000

3000

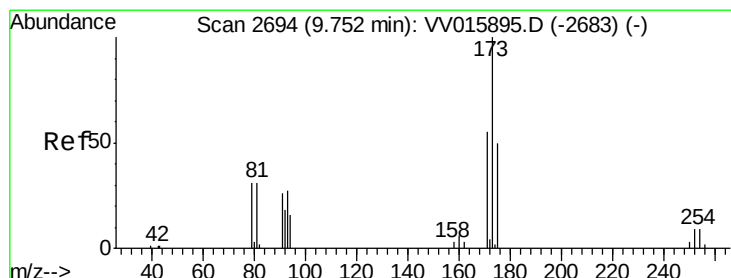
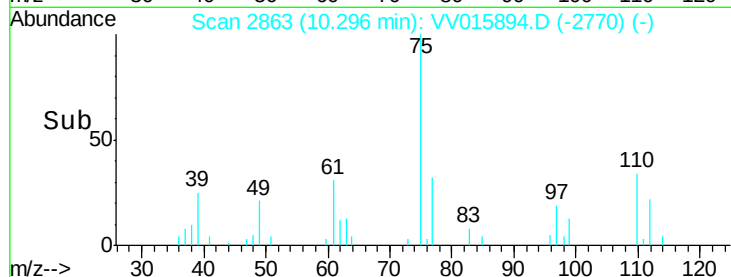
2000

1000

0

Time-->

10.25 10.30 10.35



#61

Bromoform

Concen: 0.945 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VV015894.D

Acq: 05 May 2020 11:21

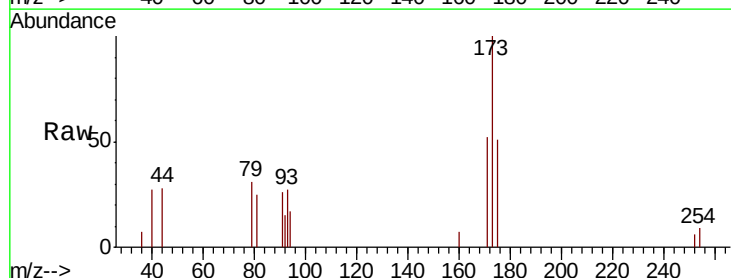
Tgt Ion: 173 Resp: 2995

Ion Ratio Lower Upper

173 100

175 45.4 39.8 59.8

254 8.0 7.1 10.7



Abundance Ion 172.90 (172.60 to 173.60): VV015895.D (-2683) (-)

Ion 174.90 (174.60 to 175.60): VV015895.D (-2683) (-)

Ion 253.75 (253.45 to 254.45): VV015895.D (-2683) (-)

2500

2000

1500

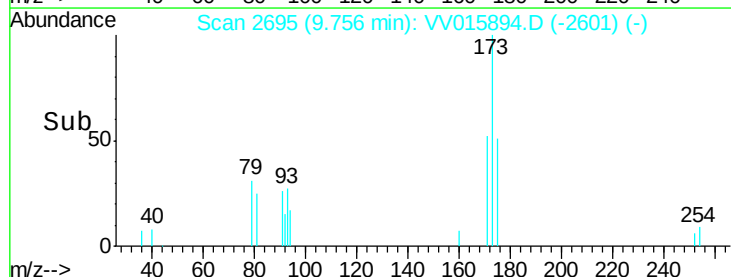
1000

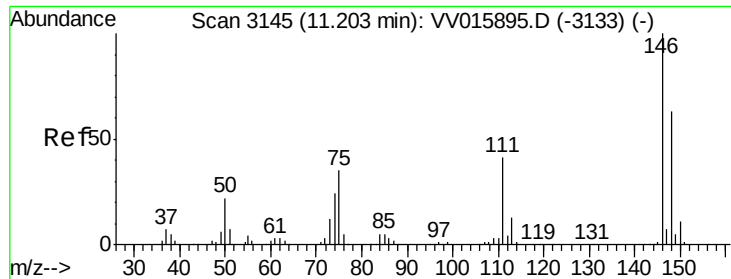
500

0

Time-->

9.70 9.75 9.80





#62

1,3-Dichlorobenzene

Concen: 0.875 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV015894.D

Acq: 05 May 2020 11:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD00131

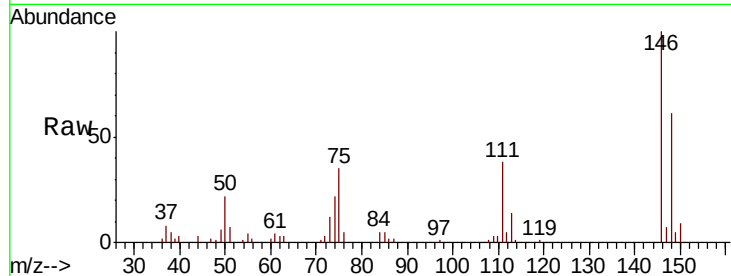
Tot Ion:146 Resp: 20400

Ion Ratio Lower Upper

146 100

111 37.9 28.7 53.3

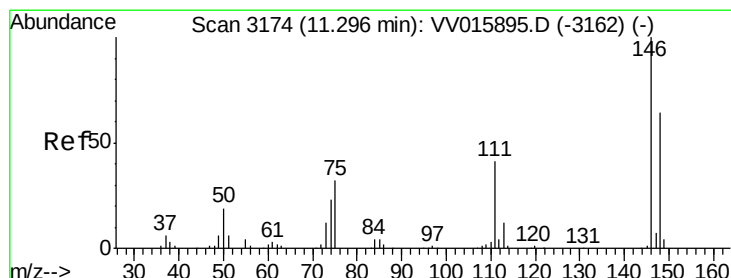
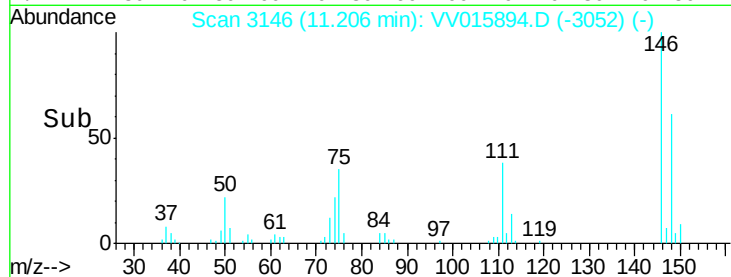
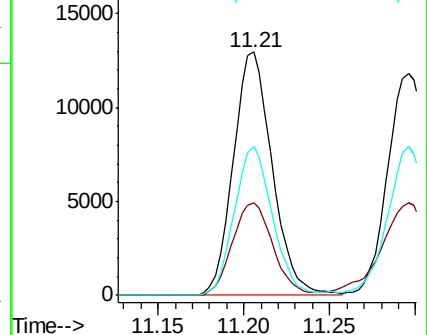
148 61.3 44.0 81.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 0.838 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. -0.00 min

Lab File: VV015894.D

Acq: 05 May 2020 11:21

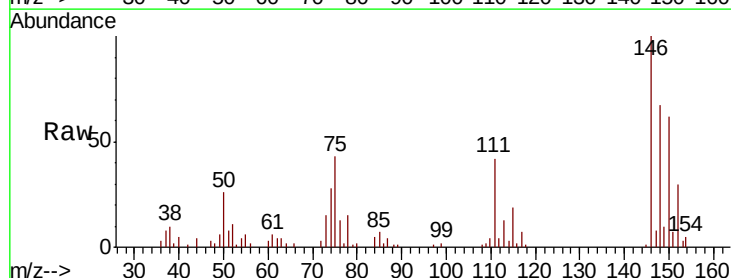
Tgt Ion:146 Resp: 19699

Ion Ratio Lower Upper

146 100

111 41.6 28.9 53.7

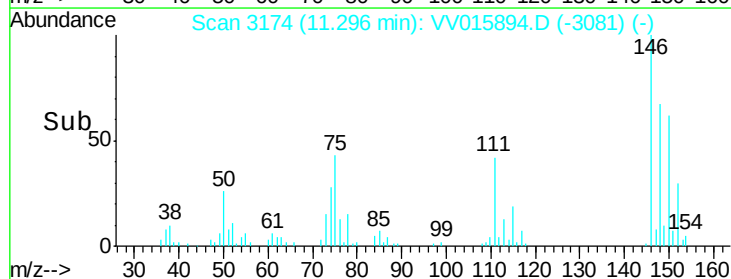
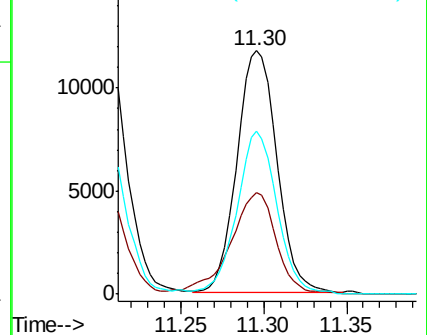
148 67.1 44.6 82.8

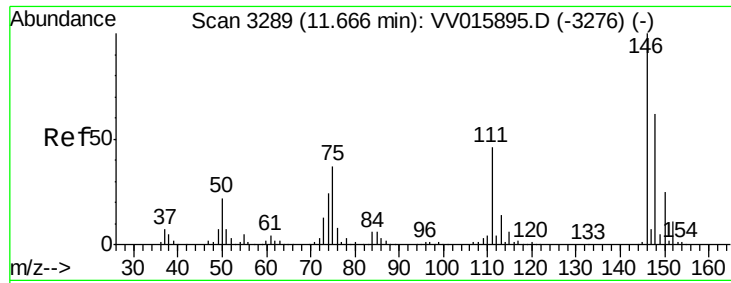


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.868 ug/L

RT: 11.67 min Scan# 3290

Delta R.T. 0.00 min

Lab File: VV015894.D

Acq: 05 May 2020 11:21

Instrument :

MSVOA_V

ClientSampled :

VSTD00131

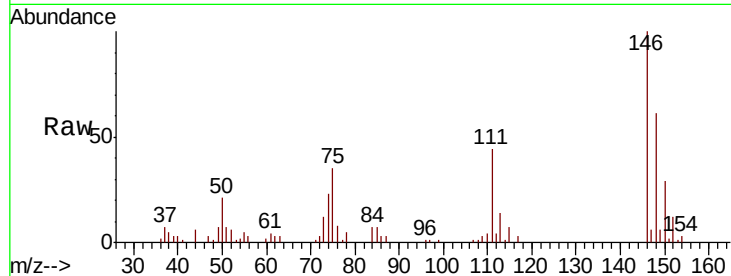
Tot Ion:146 Resp: 18278

Ion Ratio Lower Upper

146 100

111 43.8 37.0 55.4

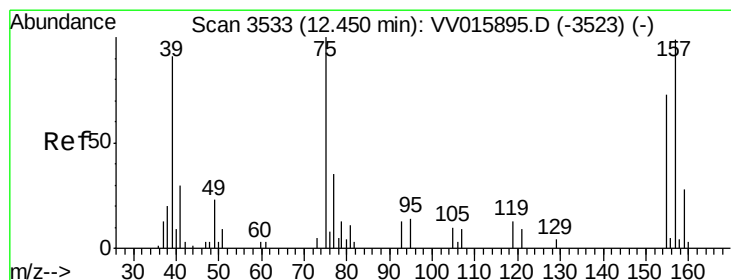
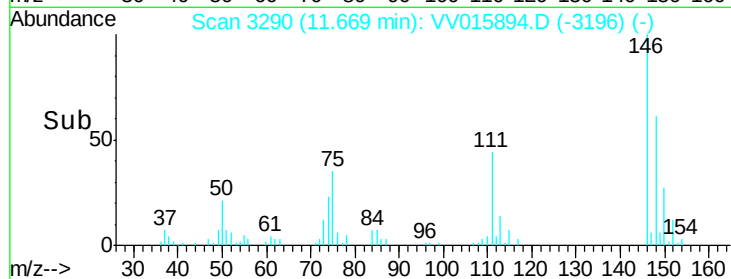
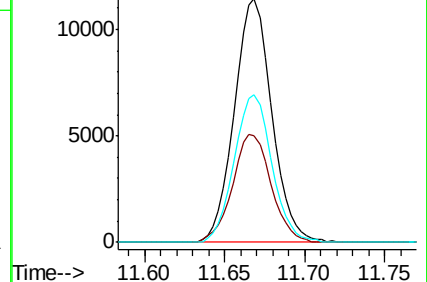
148 60.6 49.8 74.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 0.834 ug/L

RT: 12.46 min Scan# 3535

Delta R.T. 0.01 min

Lab File: VV015894.D

Acq: 05 May 2020 11:21

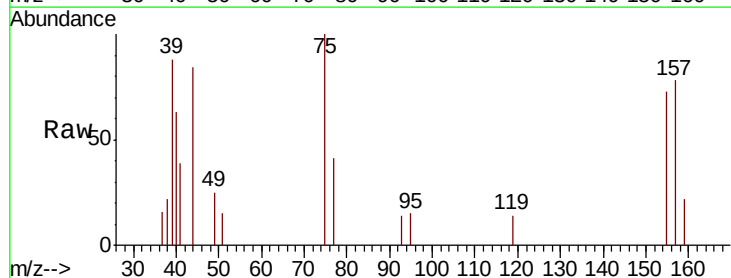
Tgt Ion: 75 Resp: 1144

Ion Ratio Lower Upper

75 100

155 72.5 58.2 87.4

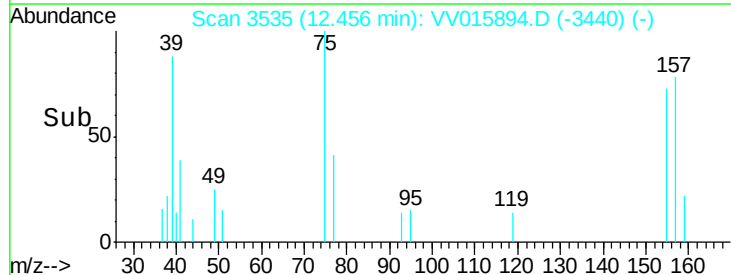
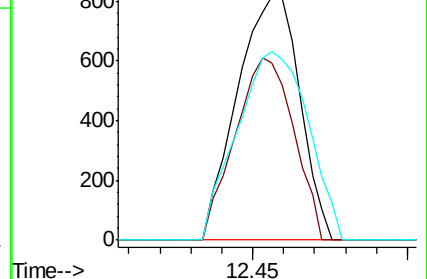
157 77.5 79.4 119.2#

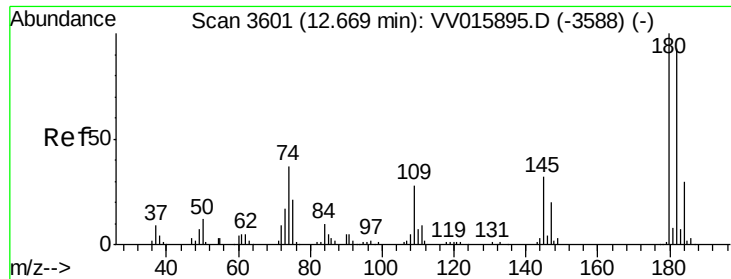


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

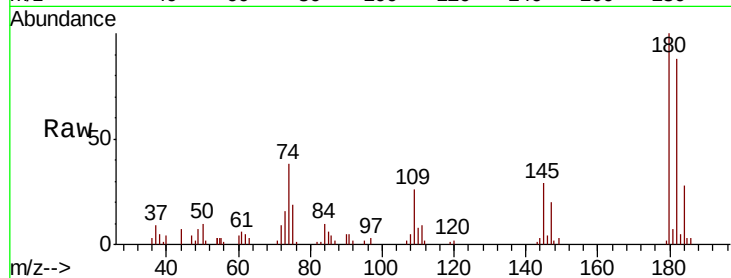




#67
 1,3,5-Trichlorobenzene
 Concen: 0.866 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV015894.D
 Acq: 05 May 2020 11:21

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00131

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.8	75.8	113.6
184	30.2	24.6	36.8
145	29.2	26.0	39.0

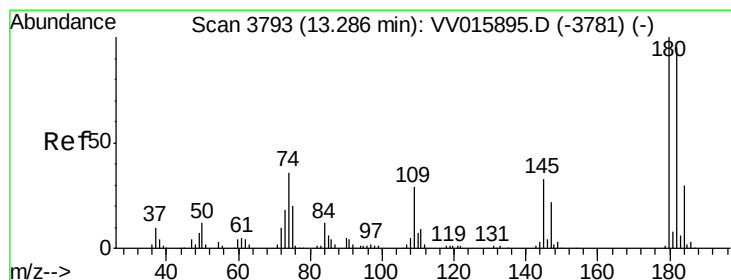
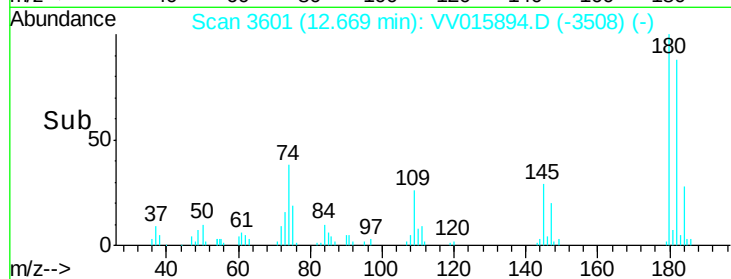
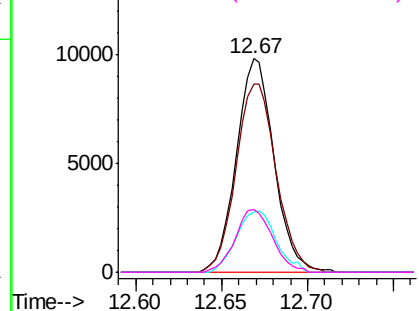


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

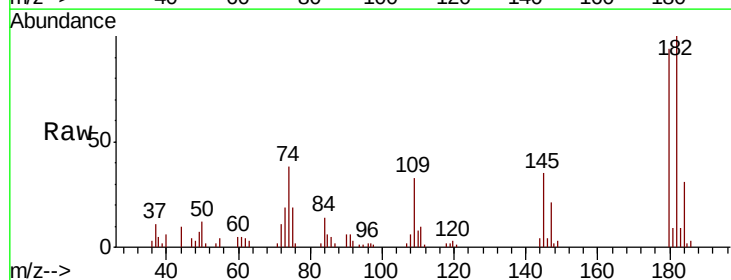
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 0.751 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. -0.00 min
 Lab File: VV015894.D
 Acq: 05 May 2020 11:21

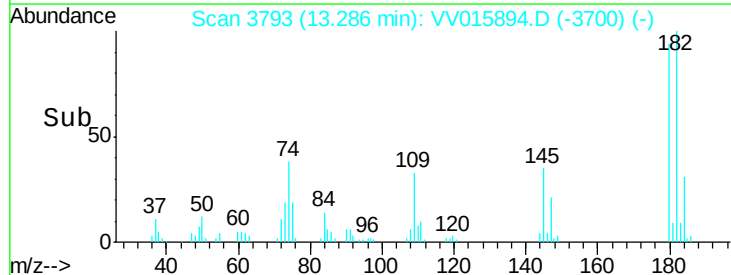
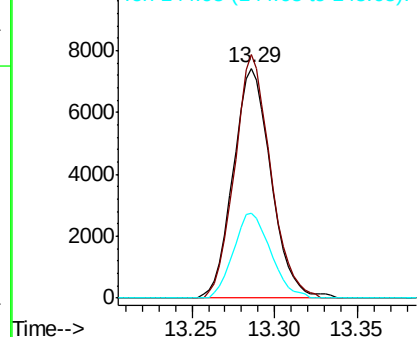
Tgt Ion	Ratio	Lower	Upper
180	100		
182	100.7	76.7	115.1
145	36.4	26.4	39.6

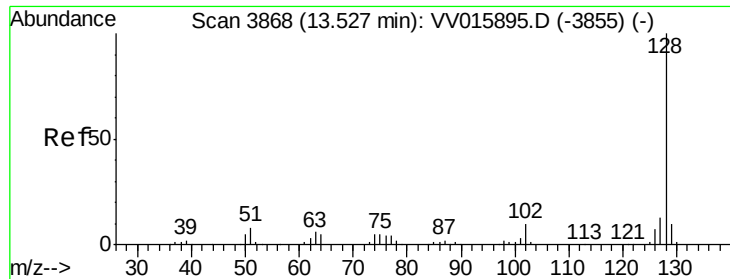


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 0.678 ug/L

RT: 13.53 min Scan# 3869

Delta R.T. 0.00 min

Lab File: VV015894.D

Acq: 05 May 2020 11:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD00131

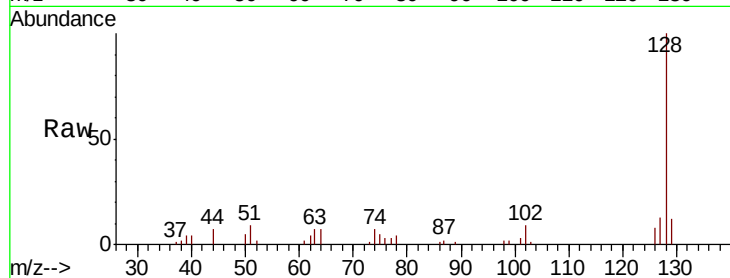
Tot Ion:128 Resp: 19035

Ion Ratio Lower Upper

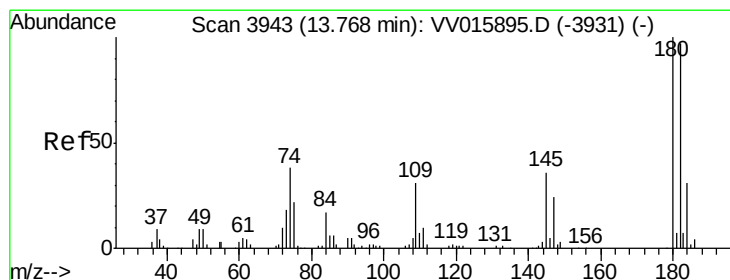
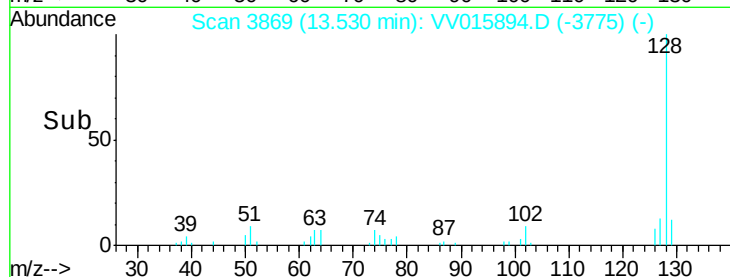
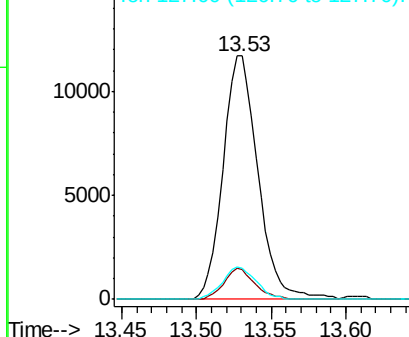
128 100

129 11.2 8.5 12.7

127 12.7 10.2 15.2



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



#70

1,2,3-Trichlorobenzene

Concen: 0.801 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV015894.D

Acq: 05 May 2020 11:21

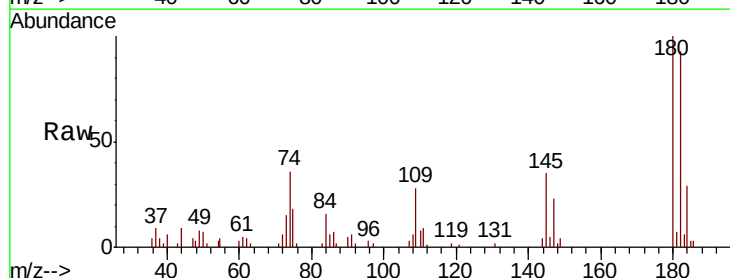
Tgt Ion:180 Resp: 11125

Ion Ratio Lower Upper

180 100

182 96.8 77.0 115.6

145 35.3 28.3 42.5



Abundance Ion 179.90 (179.60 to 180.60): V
Ion 181.90 (181.60 to 182.60): V
Ion 144.95 (144.65 to 145.65): V

