

Data File : VV015934.D
Acq On : 07 May 2020 10:55
Operator : SY/MD
Sample : VSTD00533
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00533

Quant Time: May 08 04:41:00 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 08 04:37:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	151898	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	147563	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	75328	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	39493	4.33	ug/L	0.00
7) Chloroethane-d5	1.57	69	37623	4.57	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	87184	4.69	ug/L	0.00
20) 2-Butanone-d5	3.95	46	122014	50.50	ug/L	0.00
24) Chloroform-d	4.38	84	87492	4.79	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	51153	4.85	ug/L	0.00
32) Benzene-d6	5.07	84	175182	4.78	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	54276	4.84	ug/L	0.00
41) Toluene-d8	7.34	98	169720	4.95	ug/L	0.00
45) trans-1,3-Dichloropropene-	7.64	79	21605	4.94	ug/L	0.00
48) 2-Hexanone-d5	8.11	63	95805	49.38	ug/L	0.00
59) 1,1,2,2-Tetrachloroethane-	10.24	84	38202	4.74	ug/L	0.00
65) 1,2-Dichlorobenzene-d4	11.65	152	59992	4.80	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.13	85	59726	4.937 ug/L	97
3) Chloromethane	1.24	50	58723	4.859 ug/L	100
5) Vinyl chloride	1.32	62	56519	4.897 ug/L	99
6) Bromomethane	1.53	94	31353	4.875 ug/L	99
8) Chloroethane	1.59	64	34673	4.888 ug/L	95
9) Trichlorofluoromethane	1.76	101	78691	5.038 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	43607	4.919 ug/L	99
12) 1,1-Dichloroethene	2.13	96	42322	4.947 ug/L	82
13) Acetone	2.23	43	78991	52.947 ug/L	74
14) Carbon disulfide	2.30	76	138599	4.997 ug/L	98
15) Methyl Acetate	2.46	43	18719	5.381 ug/L	99
16) Methylene chloride	2.52	84	47816	4.024 ug/L	99
17) Methyl tert-butyl Ether	2.79	73	109173	4.877 ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	47230	4.953 ug/L	99
19) 1,1-Dichloroethane	3.21	63	89977	4.944 ug/L	98
21) 2-Butanone	4.03	43	119578	48.546 ug/L	94
22) cis-1,2-Dichloroethene	3.94	96	48376	4.864 ug/L	97
23) Bromochloromethane	4.27	128	21449	5.133 ug/L	93
25) Chloroform	4.40	83	99897	5.025 ug/L	97
27) 1,2-Dichloroethane	5.16	62	59167	4.860 ug/L	98
29) 1,1,1-Trichloroethane	4.63	97	82803	4.948 ug/L	99
30) Cyclohexane	4.70	56	82324	4.821 ug/L	99
31) Carbon tetrachloride	4.85	117	70621	4.911 ug/L	99
33) Benzene	5.12	78	190665	4.970 ug/L	100
34) Trichloroethene	5.94	95	53225	5.074 ug/L	94
35) Methylcyclohexane	6.15	83	82099	4.820 ug/L	99
37) 1,2-Dichloropropane	6.20	63	46175	4.846 ug/L	99
38) Bromodichloromethane	6.53	83	61551	5.086 ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	68875	5.086 ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	305916	50.280 ug/L	100

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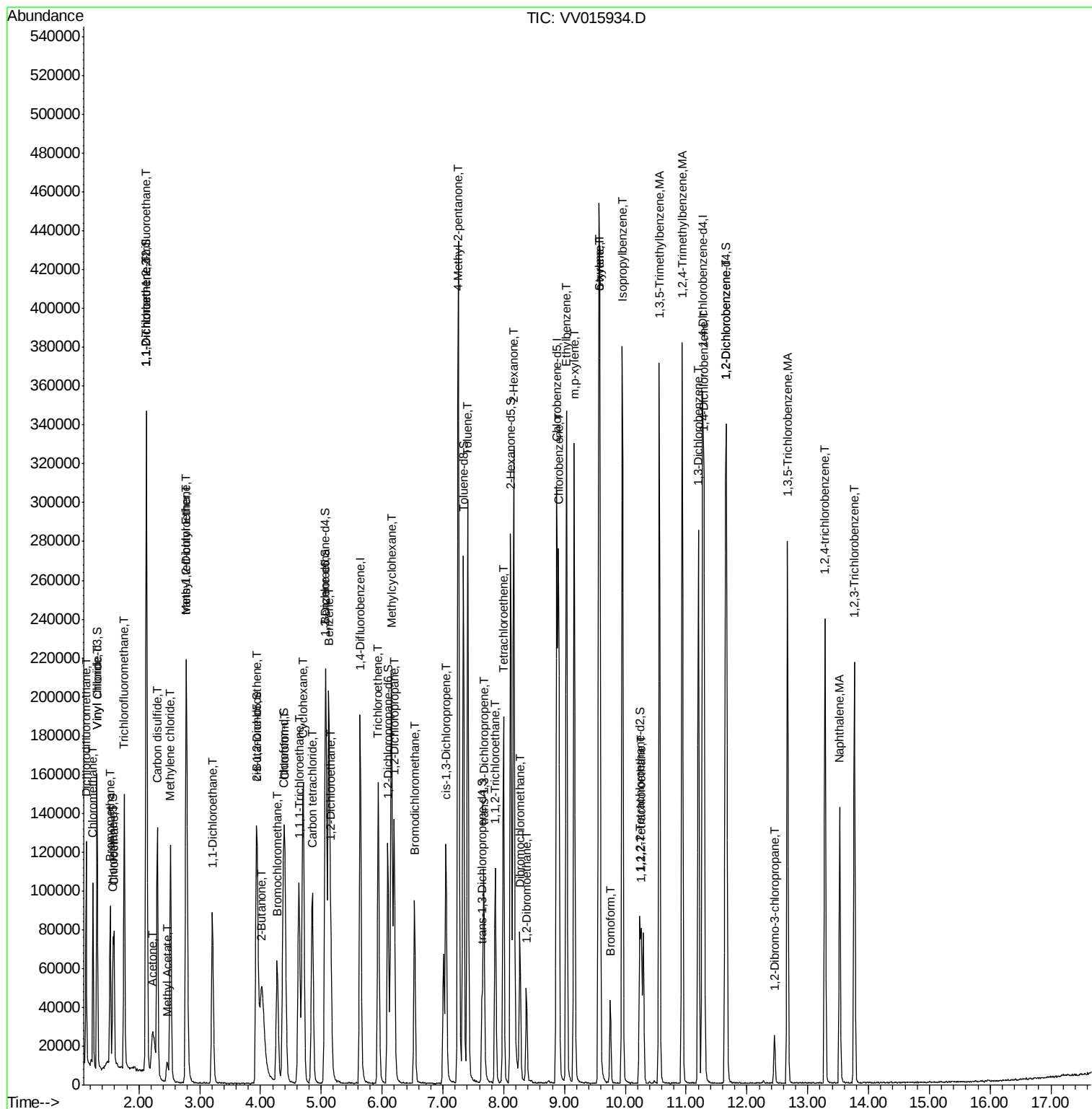
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	205150	5.011	ug/L	100
43) 1,3,5-Trimethylbenzene	10.56	105	189485	5.000	ug/L #	100
44) 1,2,4-Trimethylbenzene	10.94	105	191868	5.000	ug/L #	100
46) trans-1,3-Dichloropropene	7.67	75	58518	5.112	ug/L	98
47) 1,1,2-Trichloroethane	7.86	97	31081	4.850	ug/L	94
49) Tetrachloroethene	8.00	164	37500	4.824	ug/L	98
50) 2-Hexanone	8.16	43	225833	52.781	ug/L	99
51) Dibromochloromethane	8.27	129	36677	5.200	ug/L	98
52) 1,2-Dibromoethane	8.38	107	30663	5.001	ug/L	95
53) Chlorobenzene	8.90	112	128292	4.918	ug/L	97
54) Ethylbenzene	9.03	91	230732	4.971	ug/L	99
55) m,p-xylene	9.16	106	87254	5.011	ug/L	96
56) o-xylene	9.56	106	81369	4.938	ug/L	98
57) Styrene	9.58	104	141949	5.121	ug/L	100
58) Isopropylbenzene	9.95	105	226850	4.983	ug/L	100
60) 1,1,2,2-Tetrachloroethane	10.26	83	34456	4.699	ug/L	98
62) Bromoform	9.76	173	16937	5.214	ug/L	99
63) 1,3-Dichlorobenzene	11.20	146	104722	4.942	ug/L	97
64) 1,4-Dichlorobenzene	11.30	146	101710	4.864	ug/L	98
66) 1,2-Dichlorobenzene	11.67	146	93628	4.891	ug/L	99
67) 1,2-Dibromo-3-chloropropan	12.45	75	6053	4.583	ug/L	94
68) 1,3,5-Trichlorobenzene	12.67	180	75063	4.792	ug/L	98
69) 1,2,4-trichlorobenzene	13.29	180	63919	4.851	ug/L	100
70) Naphthalene	13.53	128	103567	4.720	ug/L	99
71) 1,2,3-Trichlorobenzene	13.77	180	57510	4.875	ug/L	99

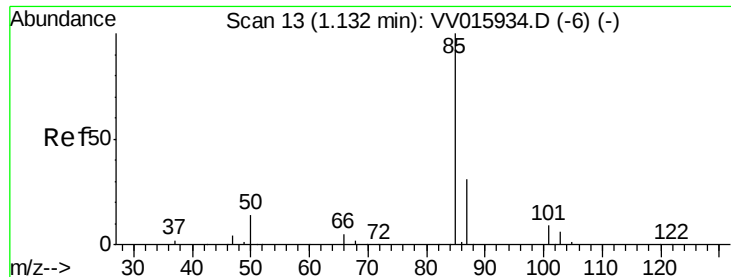
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.937 ug/L

RT: 1.13 min Scan# 13

Delta R.T. 0.00 min

Lab File: VV015934.D

Acq: 07 May 2020 10:55

Instrument :

MSVOA_V

ClientSampleId :

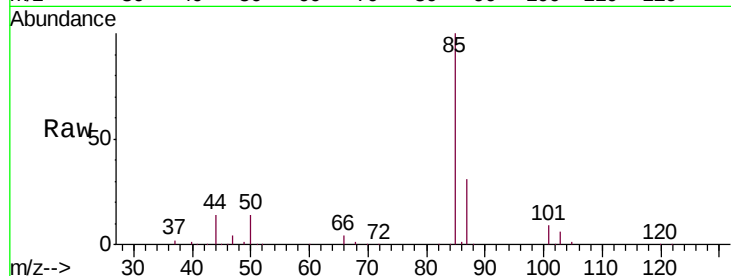
VSTD00533

Tgt Ion: 85 Resp: 59726

Ion Ratio Lower Upper

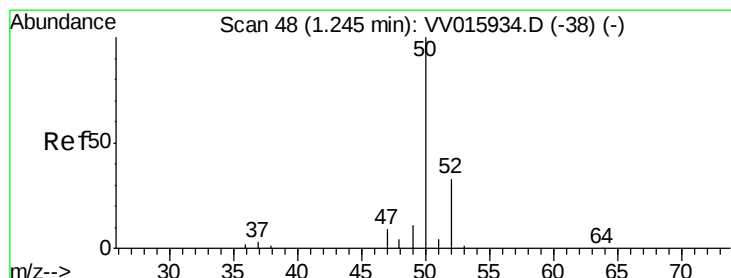
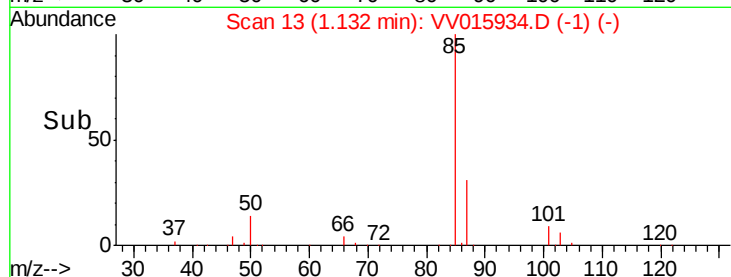
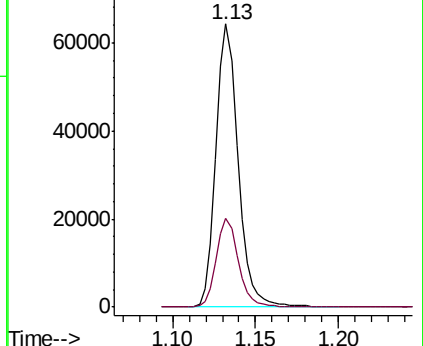
85 100

87 31.3 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VV015934.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VV015934.D (-6) (-)



#3

Chloromethane

Concen: 4.859 ug/L

RT: 1.24 min Scan# 48

Delta R.T. 0.00 min

Lab File: VV015934.D

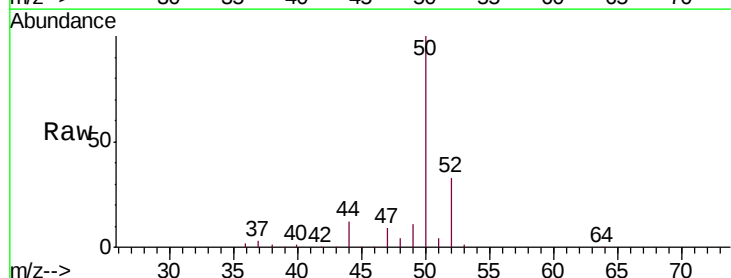
Acq: 07 May 2020 10:55

Tgt Ion: 50 Resp: 58723

Ion Ratio Lower Upper

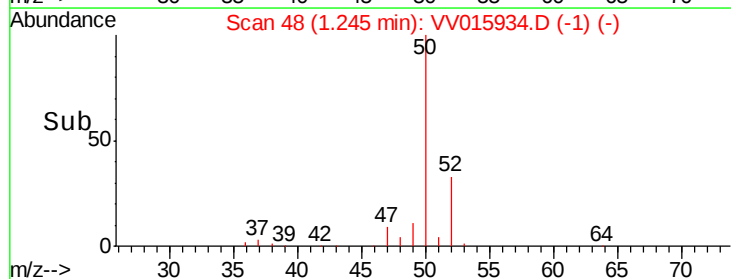
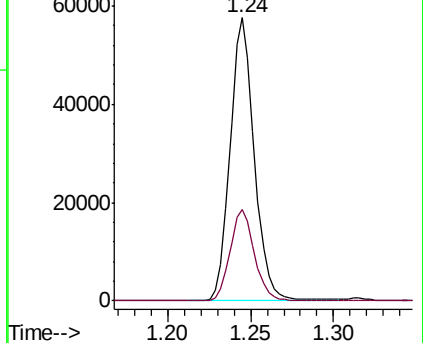
50 100

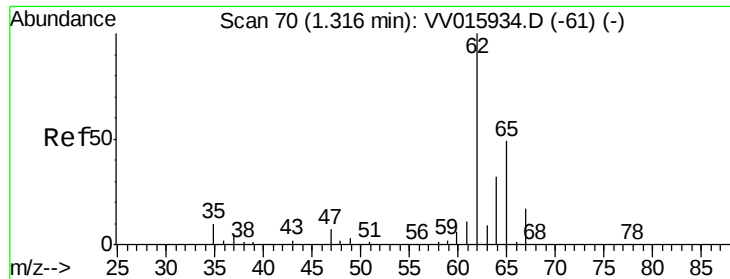
52 32.5 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VV015934.D (-38) (-)

Ion 52.05 (51.75 to 52.75): VV015934.D (-38) (-)





#5

Vinyl chloride

Concen: 4.897 ug/L

RT: 1.32 min Scan# 70

Delta R.T. 0.00 min

Lab File: VV015934.D

Acq: 07 May 2020 10:55

Instrument :

MSVOA_V

ClientSampleId :

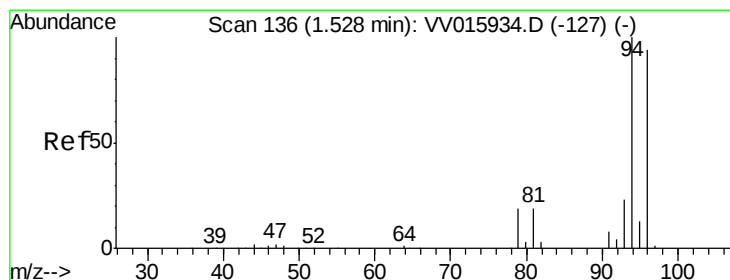
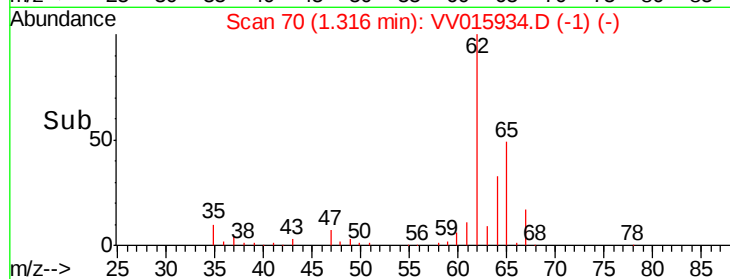
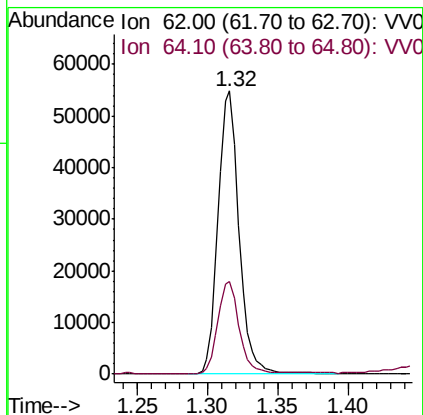
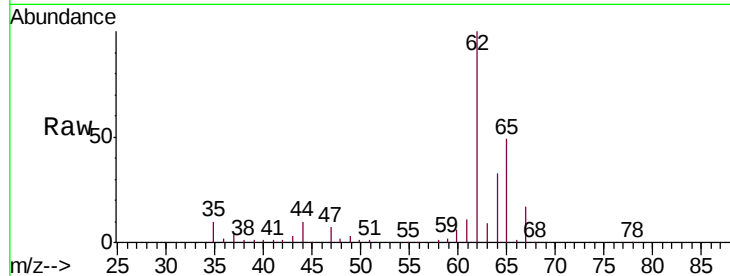
VSTD00533

Tgt Ion: 62 Resp: 56519

Ion Ratio Lower Upper

62 100

64 32.8 22.4 41.6



#6

Bromomethane

Concen: 4.875 ug/L

RT: 1.53 min Scan# 136

Delta R.T. 0.00 min

Lab File: VV015934.D

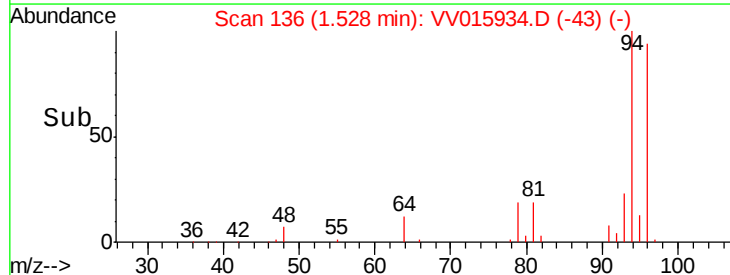
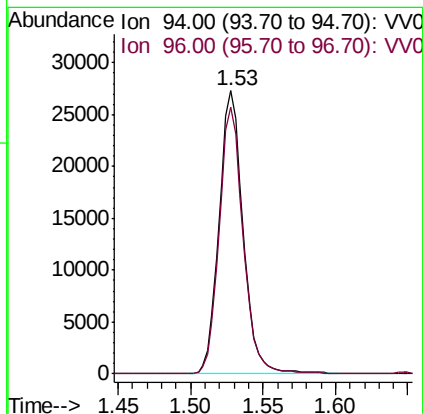
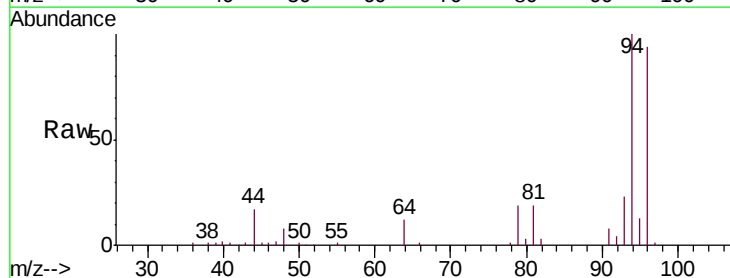
Acq: 07 May 2020 10:55

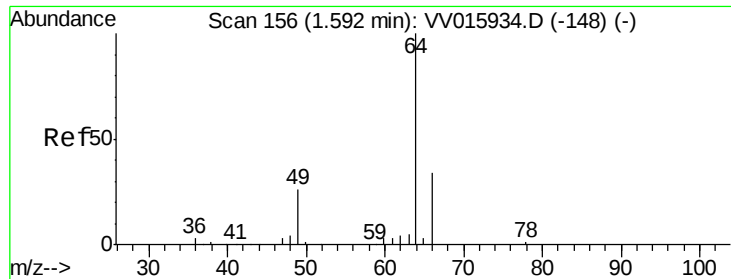
Tgt Ion: 94 Resp: 31353

Ion Ratio Lower Upper

94 100

96 94.1 65.4 121.4





#8

Chloroethane

Concen: 4.888 ug/L

RT: 1.59 min Scan# 156

Delta R.T. 0.00 min

Lab File: VV015934.D

Acq: 07 May 2020 10:55

Instrument :

MSVOA_V

ClientSampleId :

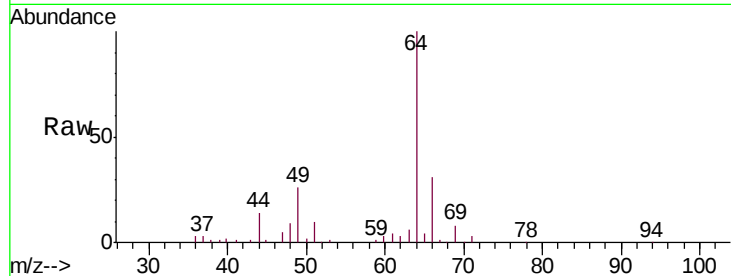
VSTD00533

Tgt Ion: 64 Resp: 34673

Ion Ratio Lower Upper

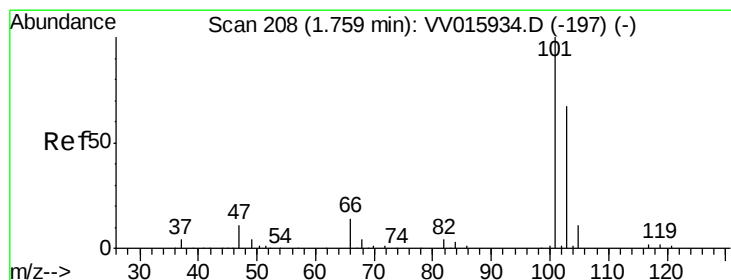
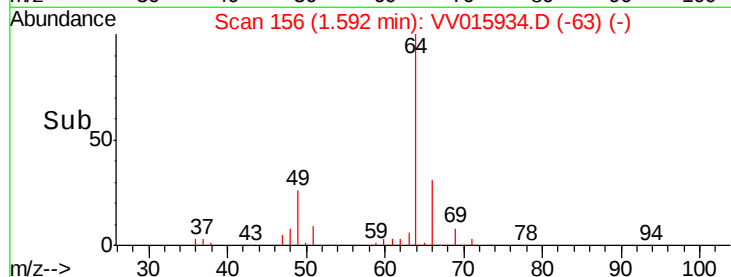
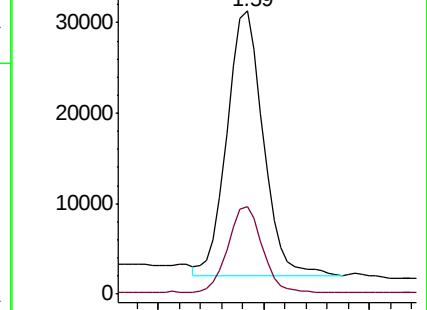
64 100

66 31.0 23.6 43.8



Abundance Ion 64.10 (63.80 to 64.80): VV015934.D (-148) (-)

Ion 66.05 (65.75 to 66.75): VV015934.D (-148) (-)



#9

Trichlorofluoromethane

Concen: 5.038 ug/L

RT: 1.76 min Scan# 208

Delta R.T. 0.00 min

Lab File: VV015934.D

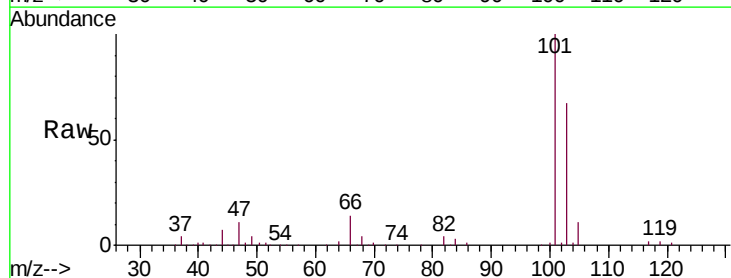
Acq: 07 May 2020 10:55

Tgt Ion: 101 Resp: 78691

Ion Ratio Lower Upper

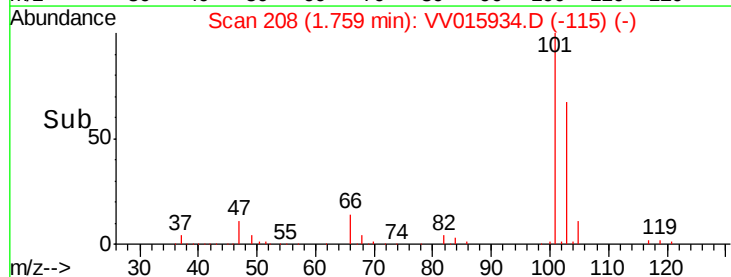
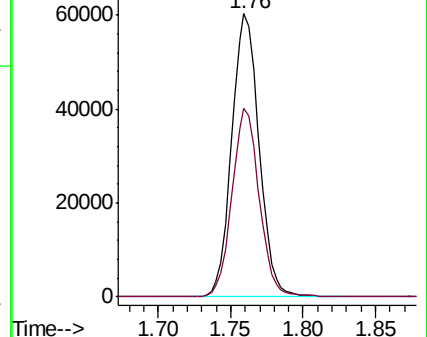
101 100

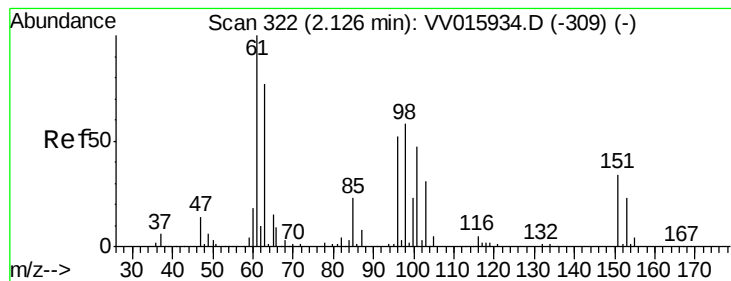
103 66.4 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): VV015934.D (-197) (-)

Ion 103.00 (102.70 to 103.70): VV015934.D (-197) (-)





#10

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

Concen: 4.919 ug/L

RT: 2.13 min Scan# 322

Delta R.T. 0.00 min

Lab File: VV015934.D

Acq: 07 May 2020 10:55

Instrument :

MSVOA_V

ClientSampled :

VSTD00533

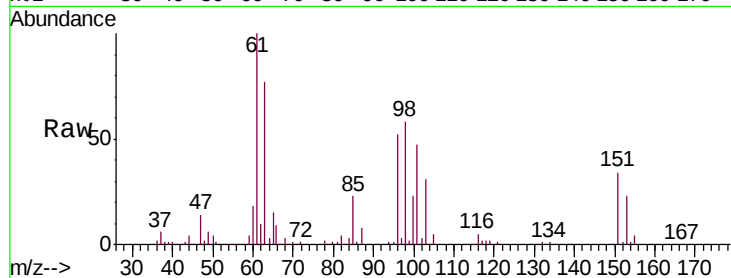
Tgt Ion: 101 Resp: 43607

Ion Ratio Lower Upper

101 100

85 46.4 35.7 53.5

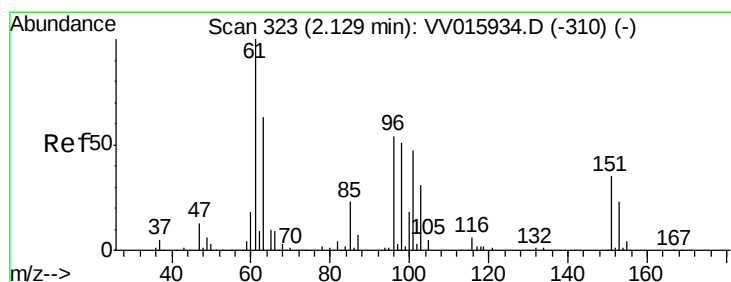
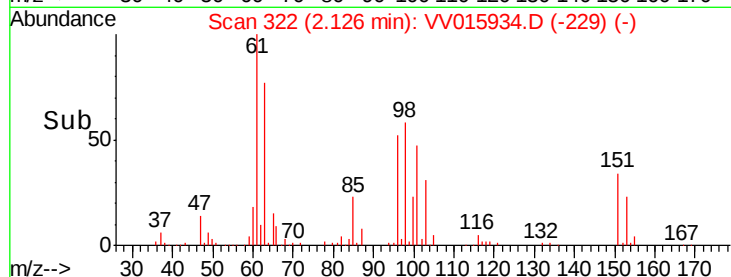
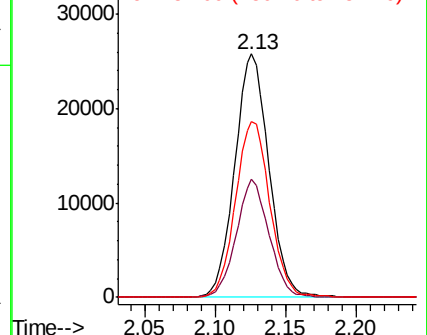
151 72.9 58.0 87.0



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: 4.947 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV015934.D

Acq: 07 May 2020 10:55

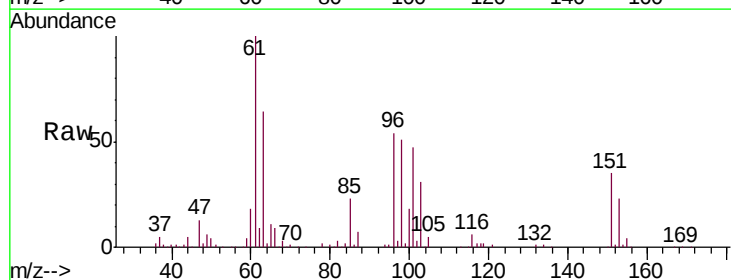
Tgt Ion: 96 Resp: 42322

Ion Ratio Lower Upper

96 100

61 183.7 139.9 259.7

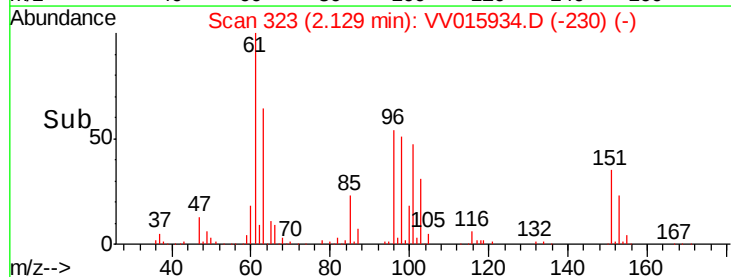
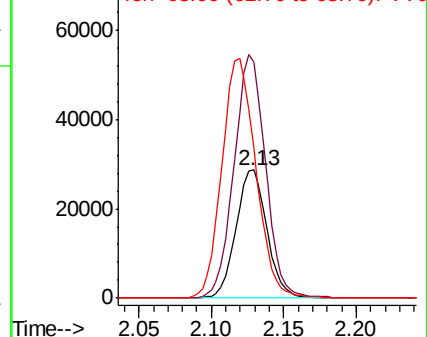
63 117.2 106.4 197.6

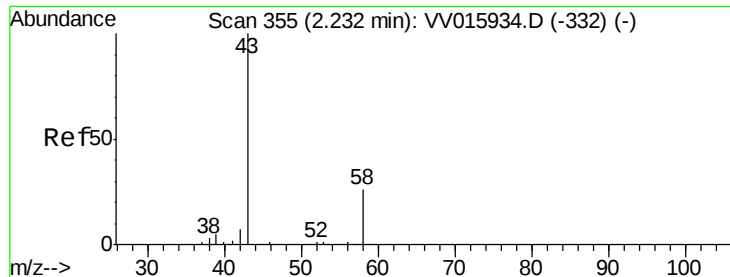


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 52.947 ug/L

RT: 2.23 min Scan# 355

Delta R.T. 0.00 min

Lab File: VV015934.D

Acq: 07 May 2020 10:55

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ClientSampleId :

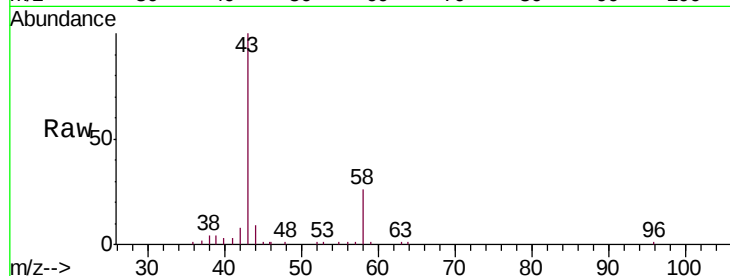
VSTD00533

Tgt Ion: 43 Resp: 78991

Ion Ratio Lower Upper

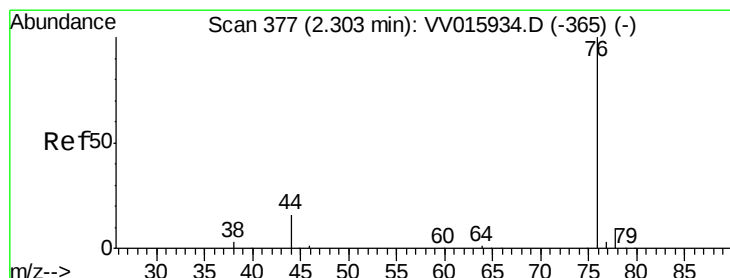
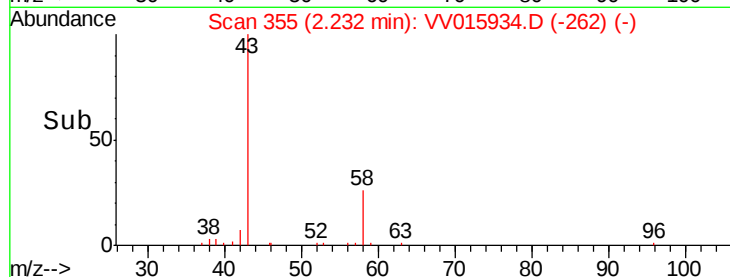
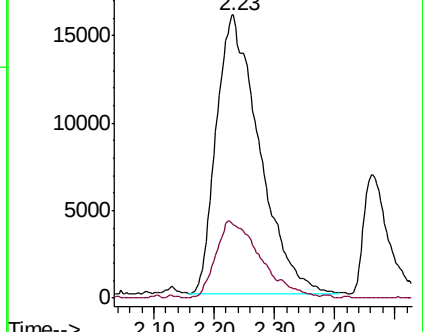
43 100

58 26.4 0.0 30.8



Abundance Ion 43.05 (42.75 to 43.75): VV015934.D (-332) (-)

Ion 58.05 (57.75 to 58.75): VV015934.D (-332) (-)



#14

Carbon disulfide

Concen: 4.997 ug/L

RT: 2.30 min Scan# 377

Delta R.T. 0.00 min

Lab File: VV015934.D

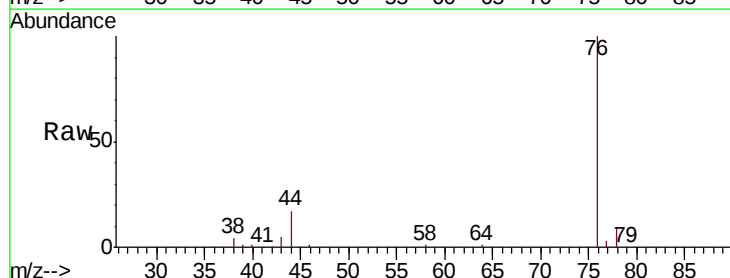
Acq: 07 May 2020 10:55

Tgt Ion: 76 Resp: 138599

Ion Ratio Lower Upper

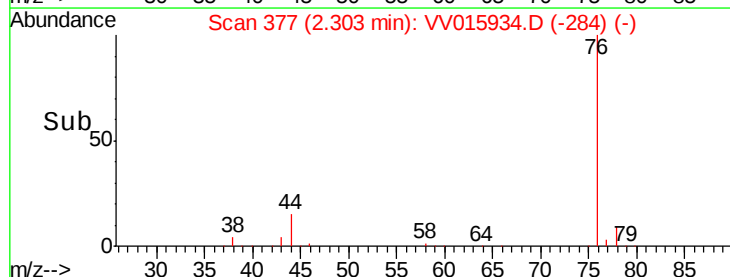
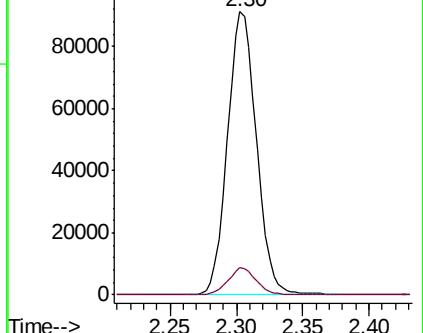
76 100

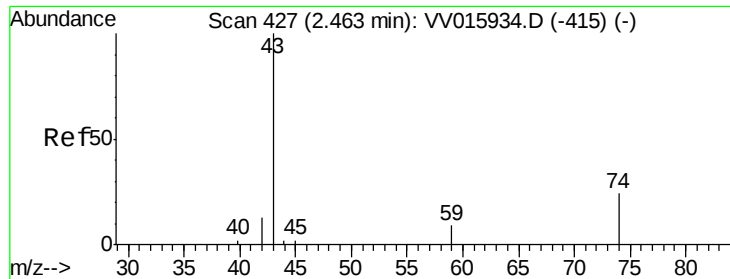
78 9.5 7.0 10.6



Abundance Ion 76.05 (75.75 to 76.75): VV015934.D (-365) (-)

Ion 78.00 (77.70 to 78.70): VV015934.D (-365) (-)

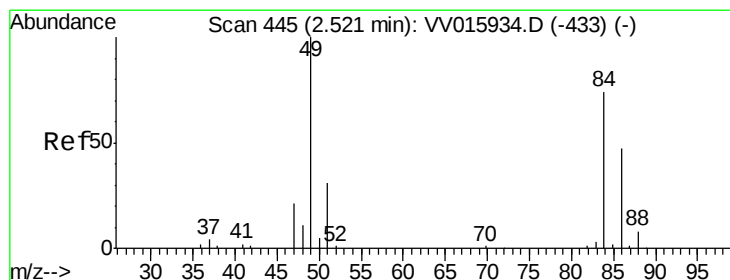
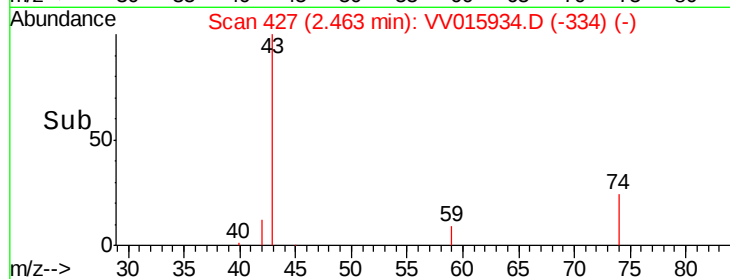
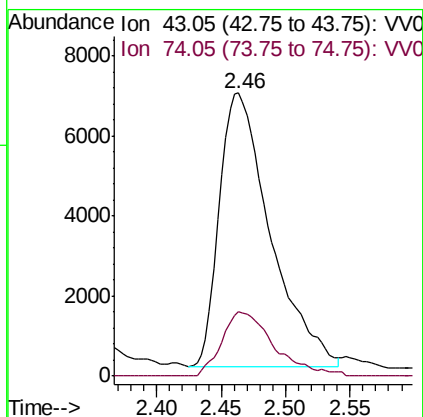
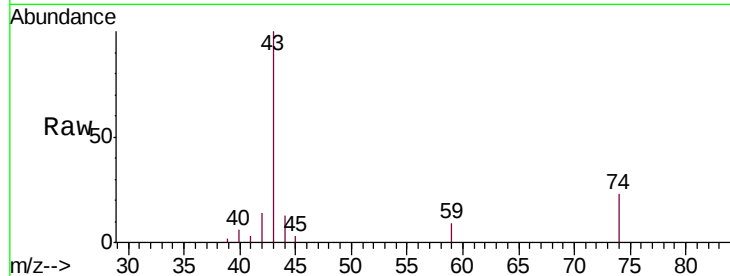




#15
Methyl Acetate
Concen: 5.381 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VV015934.D
Acq: 07 May 2020 10:55

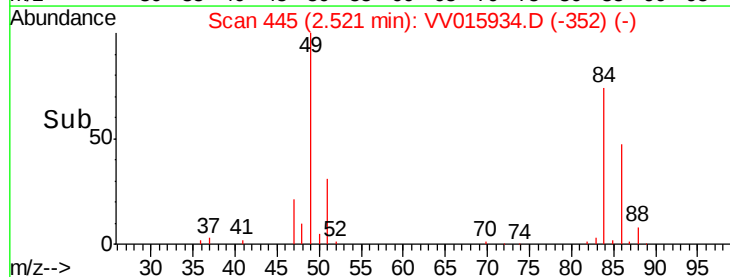
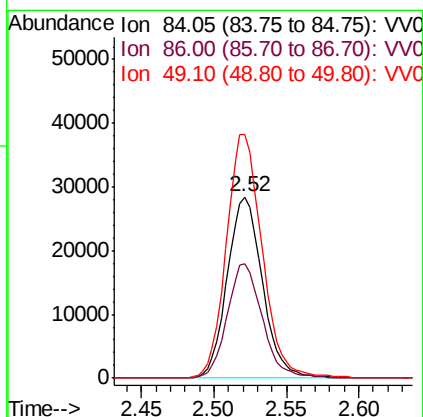
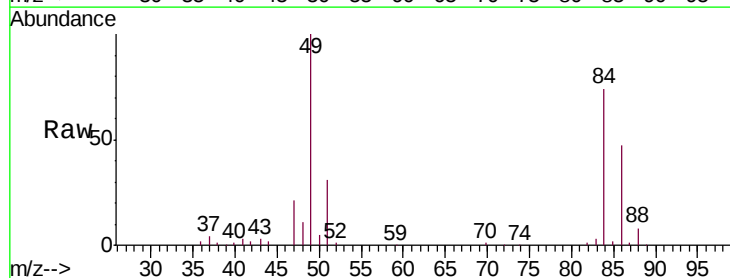
Instrument :
MSVOA_V
ClientSampleId :
VSTD00533

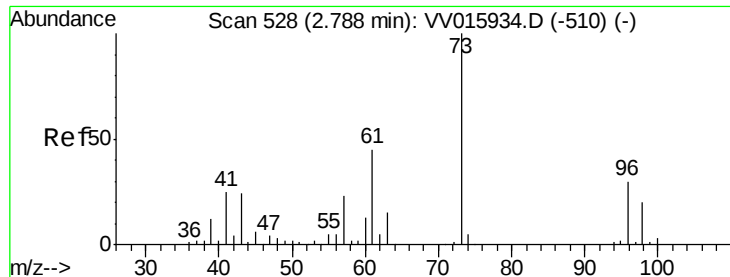
Tgt Ion: 43 Resp: 18719
Ion Ratio Lower Upper
43 100
74 24.3 19.2 28.8



#16
Methylene chloride
Concen: 4.024 ug/L
RT: 2.52 min Scan# 445
Delta R.T. 0.00 min
Lab File: VV015934.D
Acq: 07 May 2020 10:55

Tgt Ion: 84 Resp: 47816
Ion Ratio Lower Upper
84 100
86 63.2 45.6 84.8
49 134.4 93.6 173.8

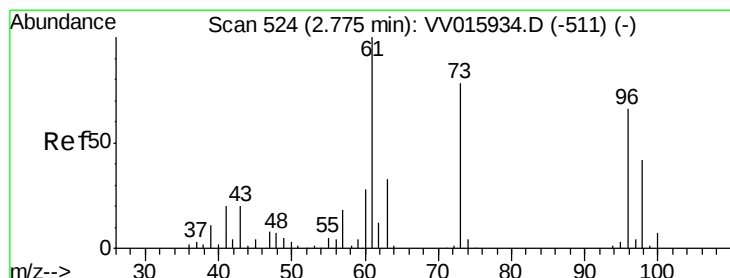
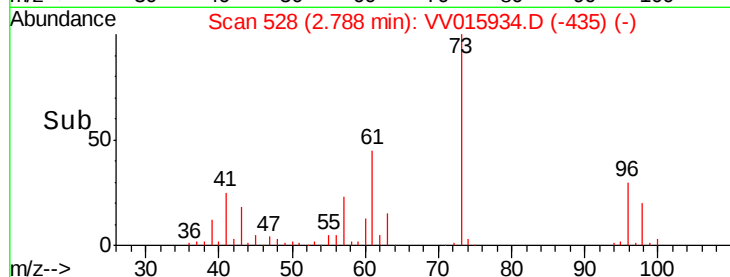
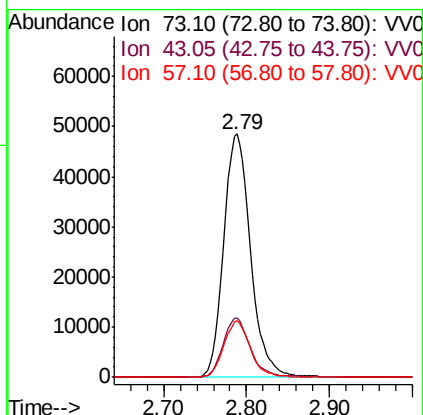
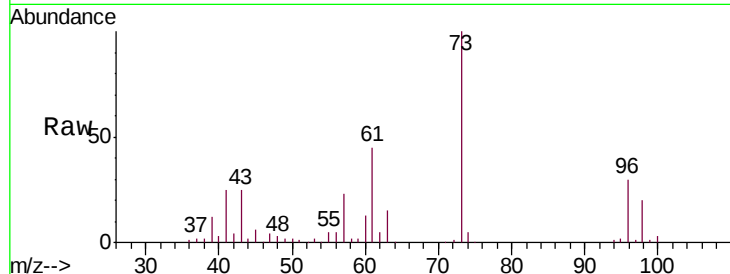




#17
Methyl tert-butyl Ether
Concen: 4.877 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV015934.D
Acq: 07 May 2020 10:55

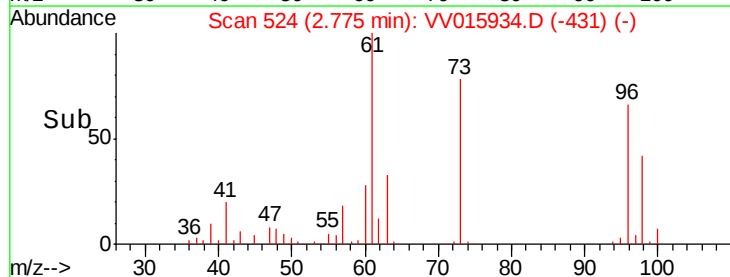
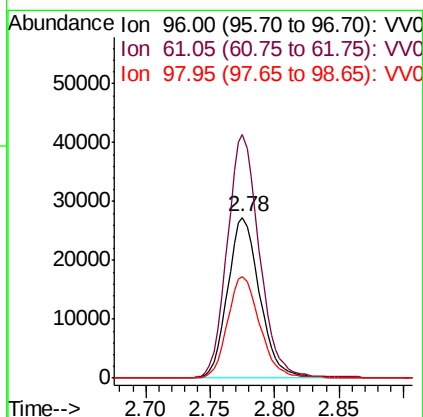
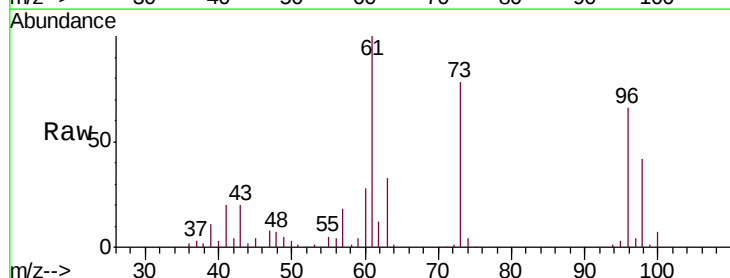
Instrument :
MSVOA_V
ClientSampleId :
VSTD00533

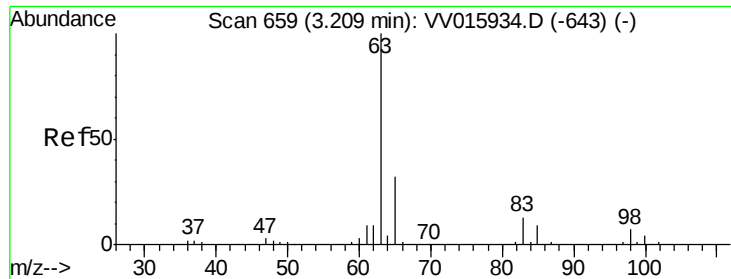
Tgt Ion: 73 Resp: 109173
Ion Ratio Lower Upper
73 100
43 23.7 18.8 28.2
57 23.1 17.8 26.6



#18
trans-1,2-Dichloroethene
Concen: 4.953 ug/L
RT: 2.78 min Scan# 524
Delta R.T. 0.00 min
Lab File: VV015934.D
Acq: 07 May 2020 10:55

Tgt Ion: 96 Resp: 47230
Ion Ratio Lower Upper
96 100
61 151.6 105.3 195.5
98 63.6 44.0 81.6

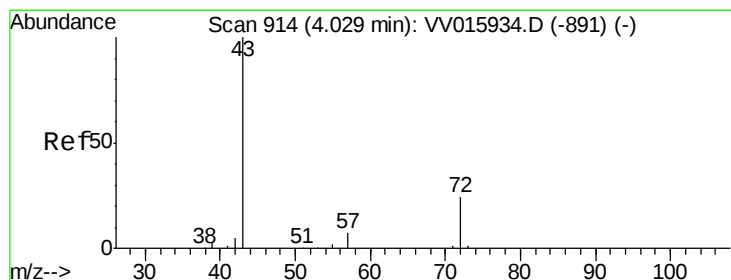
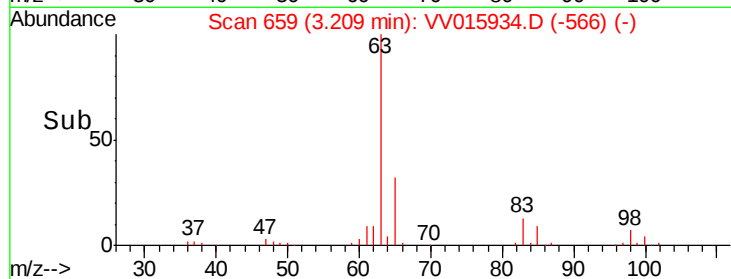
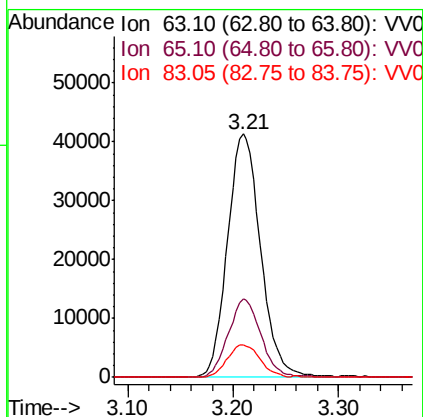
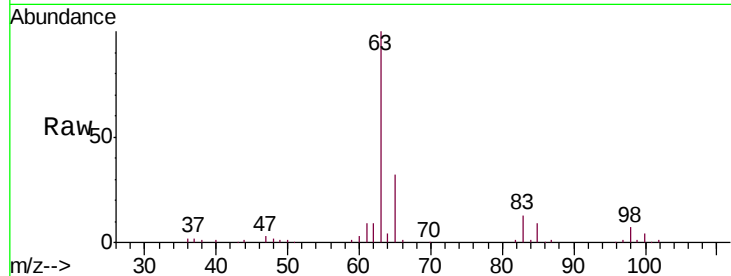




#19
 1,1-Dichloroethane
 Concen: 4.944 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VV015934.D
 Acq: 07 May 2020 10:55

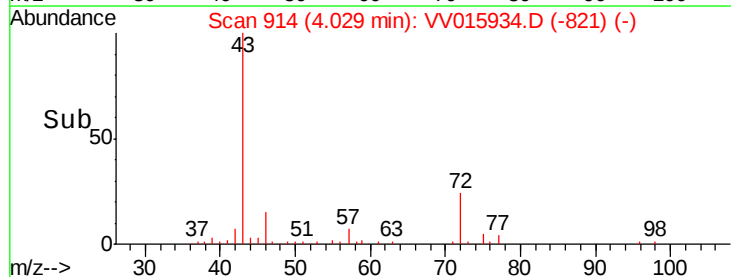
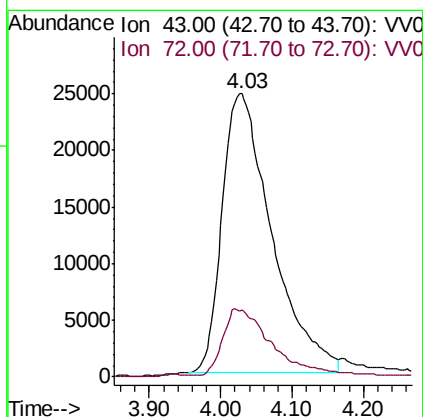
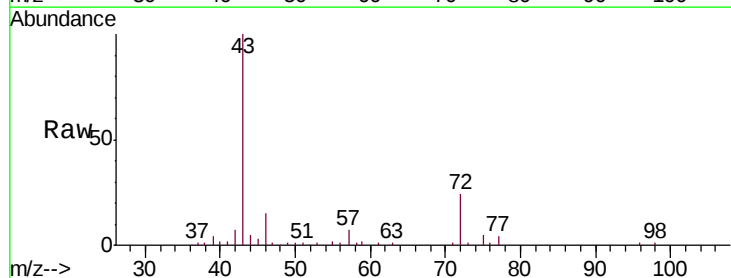
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00533

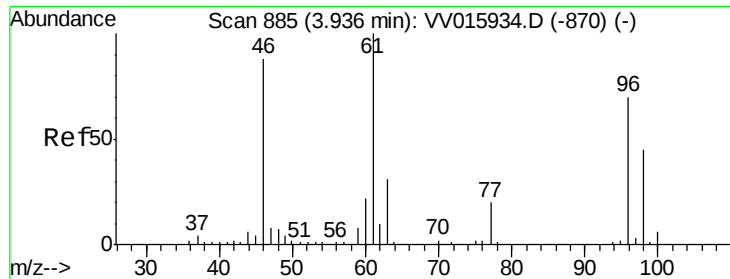
Tgt Ion: 63 Resp: 89977
 Ion Ratio Lower Upper
 63 100
 65 32.5 22.0 41.0
 83 13.3 9.8 18.2



#21
 2-Butanone
 Concen: 48.546 ug/L
 RT: 4.03 min Scan# 914
 Delta R.T. 0.00 min
 Lab File: VV015934.D
 Acq: 07 May 2020 10:55

Tgt Ion: 43 Resp: 119578
 Ion Ratio Lower Upper
 43 100
 72 23.8 10.5 31.5

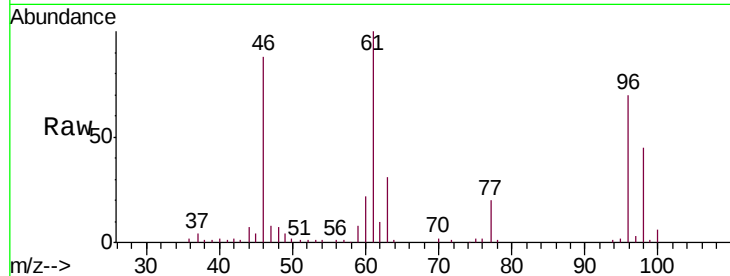




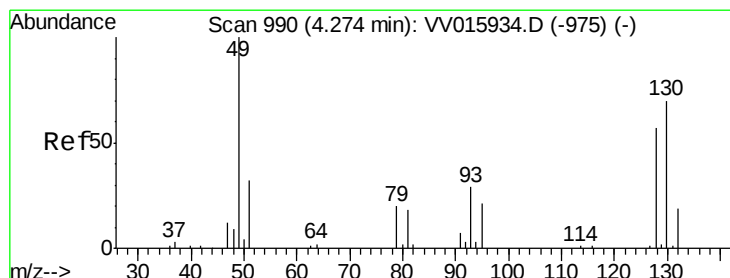
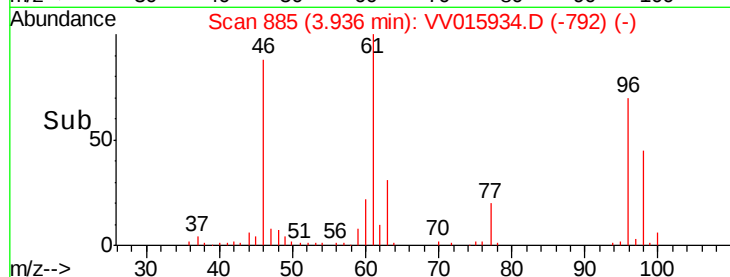
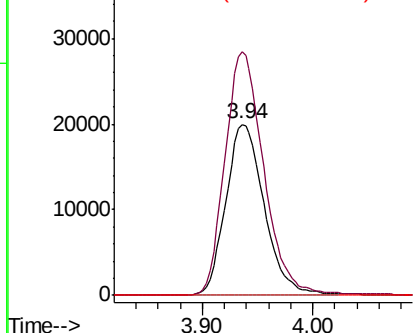
#22
 cis-1,2-Dichloroethene
 Concen: 4.864 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VV015934.D
 Acq: 07 May 2020 10:55

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00533

Tgt Ion: 96 Resp: 48376
 Ion Ratio Lower Upper
 96 100
 61 142.2 97.2 180.6
 68 0.0 0.0 0.0

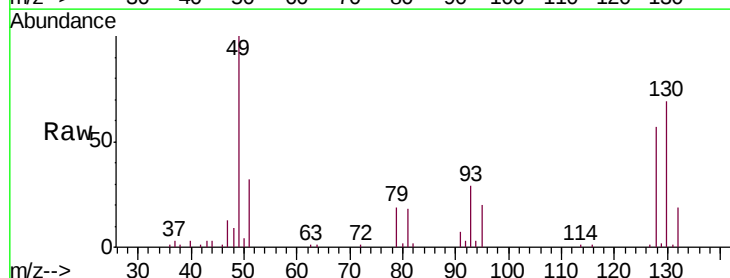


Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0

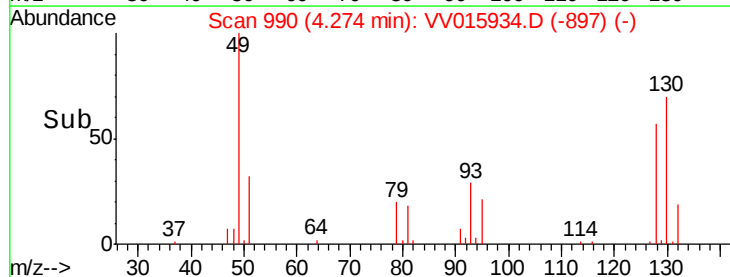
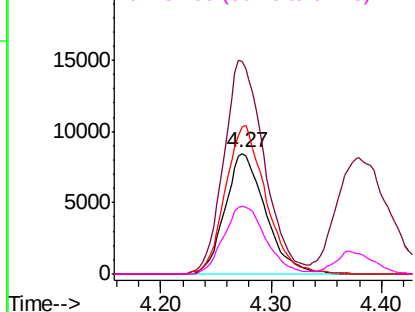


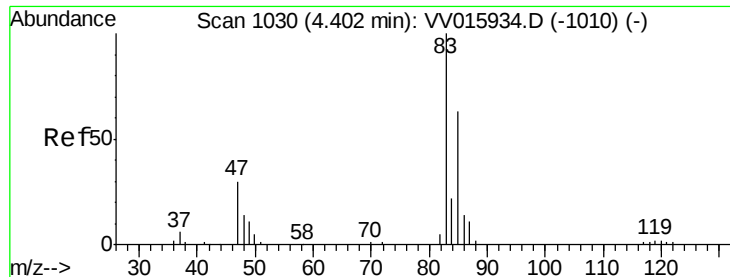
#23
 Bromochloromethane
 Concen: 5.133 ug/L
 RT: 4.27 min Scan# 990
 Delta R.T. 0.00 min
 Lab File: VV015934.D
 Acq: 07 May 2020 10:55

Tgt Ion: 128 Resp: 21449
 Ion Ratio Lower Upper
 128 100
 49 176.7 131.3 243.8
 130 122.5 91.8 170.4
 51 56.2 48.8 73.2



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VV0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VV0

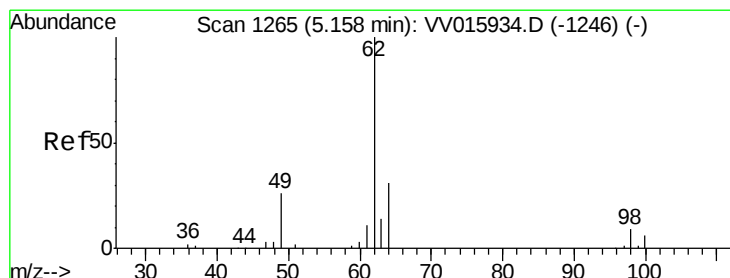
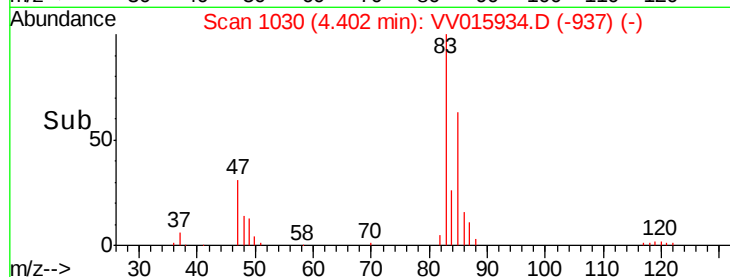
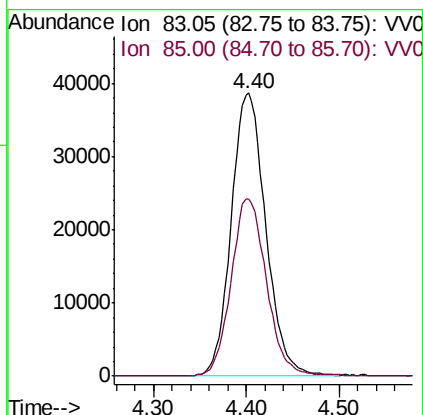
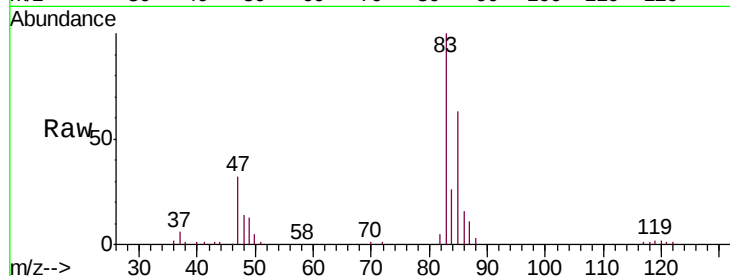




#25
Chloroform
Concen: 5.025 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV015934.D
Acq: 07 May 2020 10:55

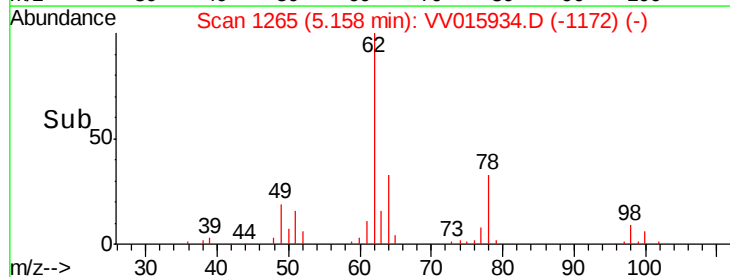
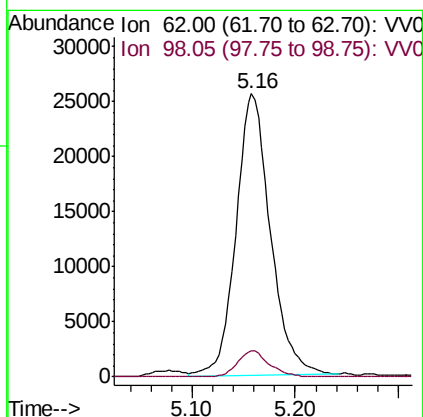
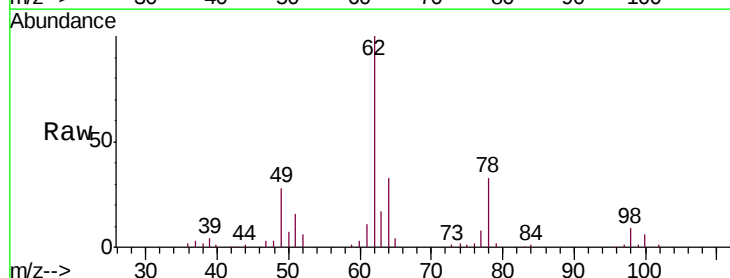
Instrument :
MSVOA_V
ClientSampleId :
VSTD00533

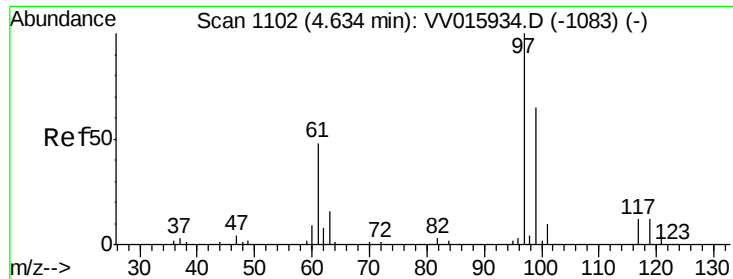
Tgt Ion: 83 Resp: 99897
Ion Ratio Lower Upper
83 100
85 62.7 45.7 84.9



#27
1,2-Dichloroethane
Concen: 4.860 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV015934.D
Acq: 07 May 2020 10:55

Tgt Ion: 62 Resp: 59167
Ion Ratio Lower Upper
62 100
98 9.0 6.7 10.1

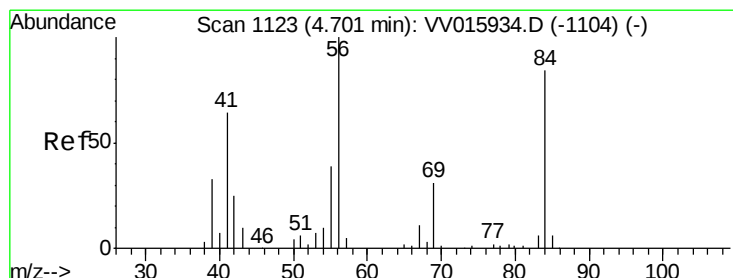
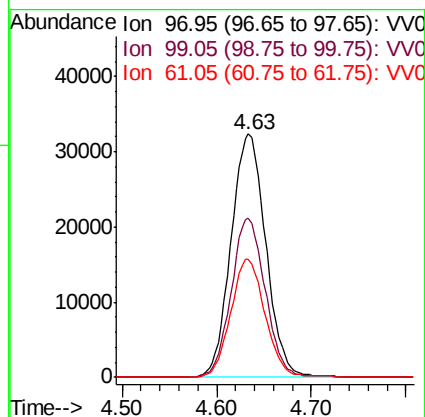
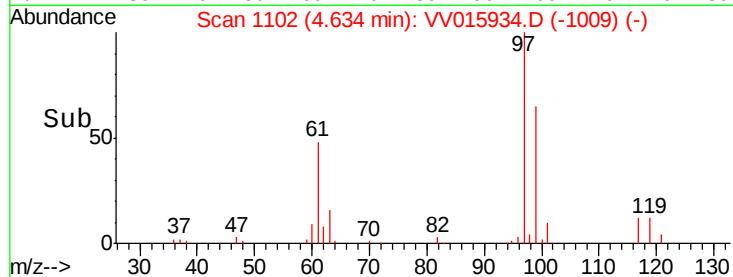
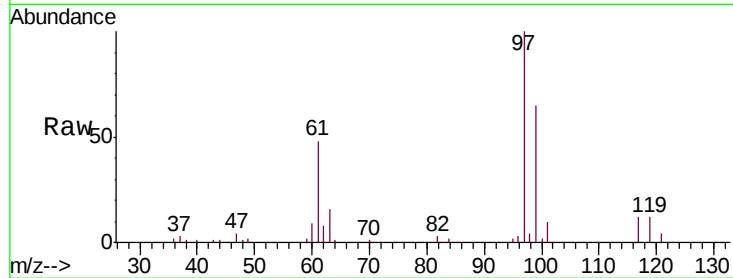




#29
 1,1,1-Trichloroethane
 Concen: 4.948 ug/L
 RT: 4.63 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VV015934.D
 Acq: 07 May 2020 10:55

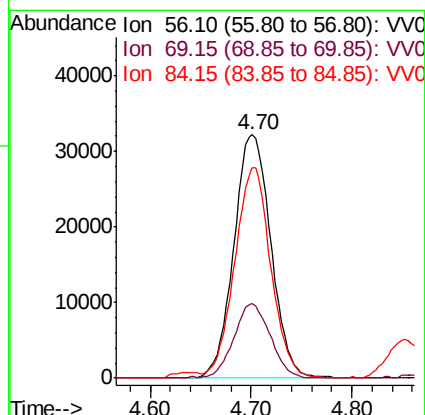
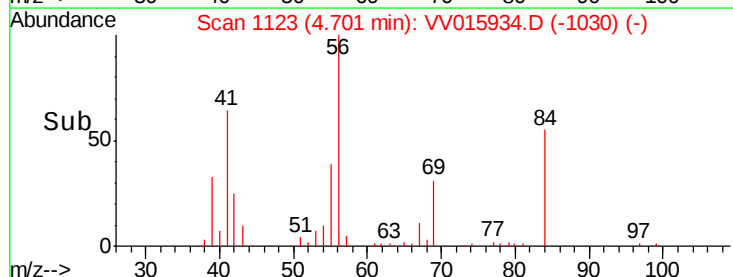
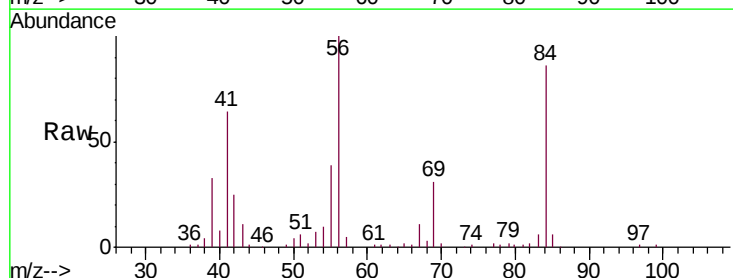
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00533

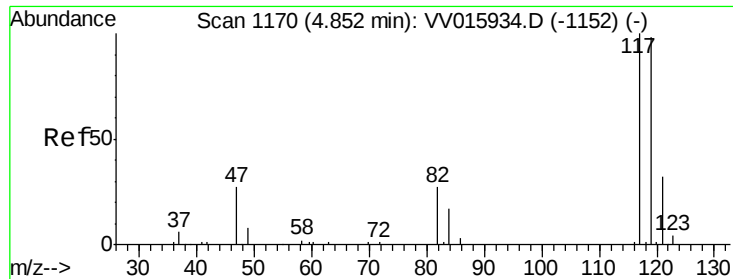
Tgt Ion: 97 Resp: 82803
 Ion Ratio Lower Upper
 97 100
 99 63.9 50.7 76.1
 61 47.8 38.8 58.2



#30
 Cyclohexane
 Concen: 4.821 ug/L
 RT: 4.70 min Scan# 1123
 Delta R.T. 0.00 min
 Lab File: VV015934.D
 Acq: 07 May 2020 10:55

Tgt Ion: 56 Resp: 82324
 Ion Ratio Lower Upper
 56 100
 69 30.0 24.2 36.2
 84 84.5 68.3 102.5

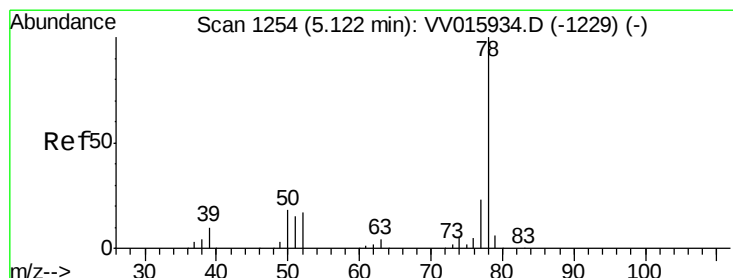
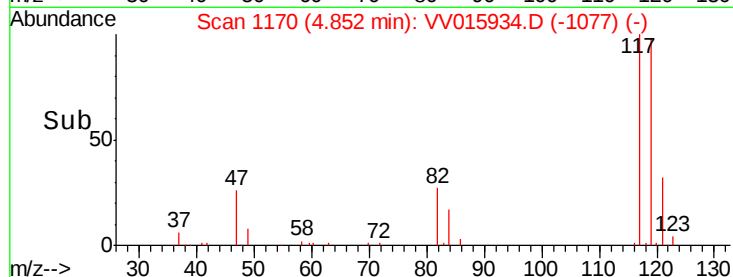
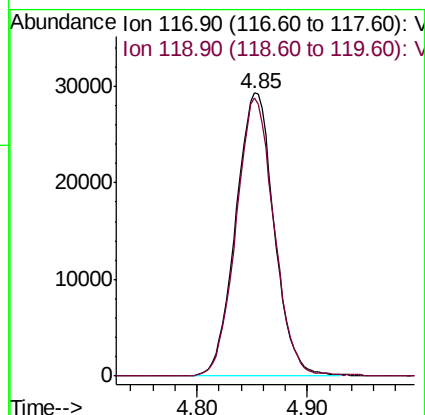
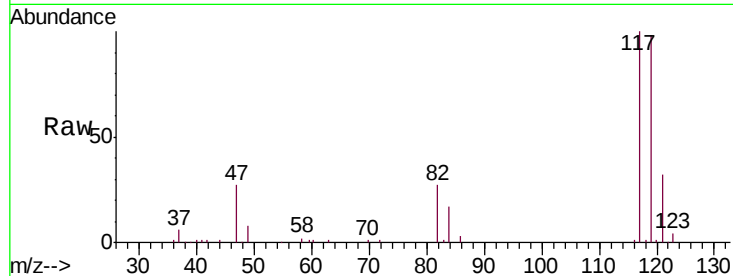




#31
Carbon tetrachloride
Concen: 4.911 ug/L
RT: 4.85 min Scan# 1170
Delta R.T. 0.00 min
Lab File: VV015934.D
Acq: 07 May 2020 10:55

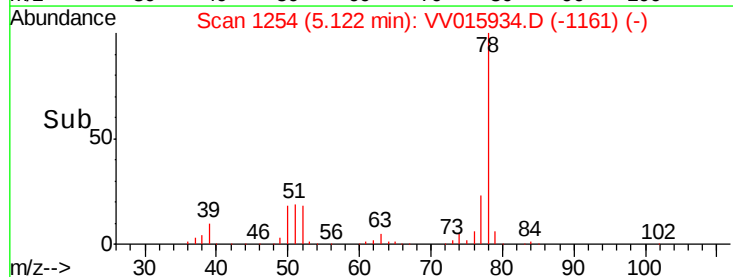
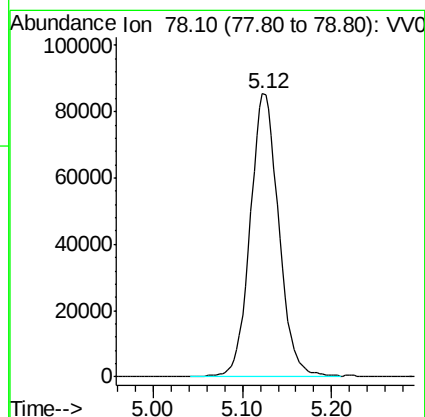
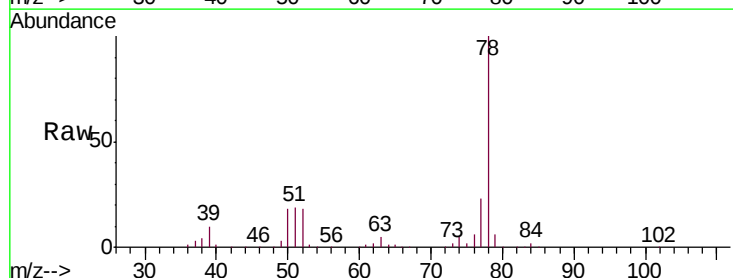
Instrument :
MSVOA_V
ClientSampleId :
VSTD00533

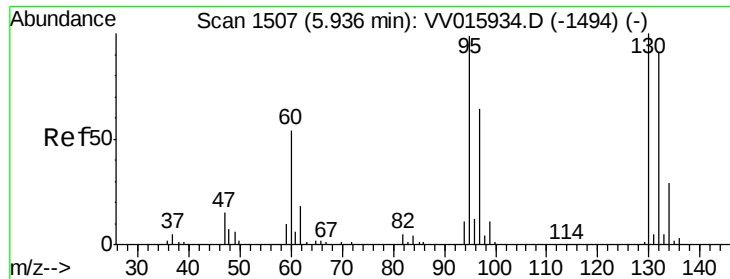
Tgt Ion:117 Resp: 70621
Ion Ratio Lower Upper
117 100
119 97.2 77.3 115.9



#33
Benzene
Concen: 4.970 ug/L
RT: 5.12 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VV015934.D
Acq: 07 May 2020 10:55

Tgt Ion: 78 Resp: 190665

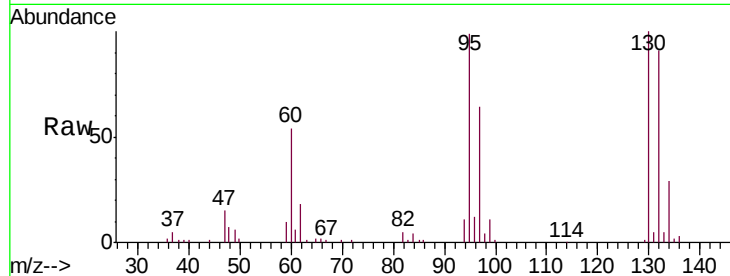




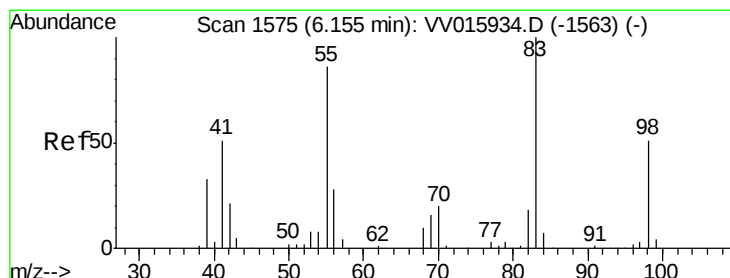
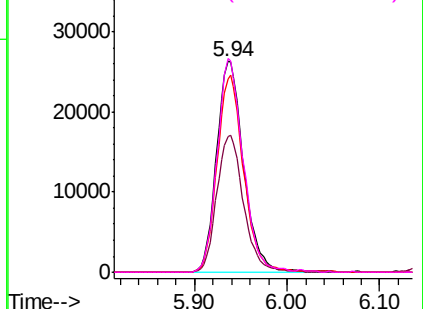
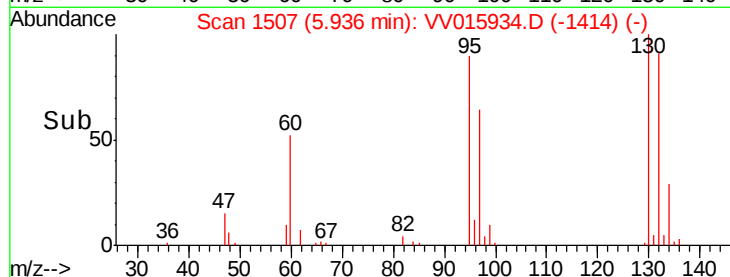
#34
 Trichloroethene
 Concen: 5.074 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VV015934.D
 Acq: 07 May 2020 10:55

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00533

Tgt Ion: 95 Resp: 53225
 Ion Ratio Lower Upper
 95 100
 97 64.6 43.3 80.5
 132 91.8 60.3 112.1
 130 101.3 66.0 122.6

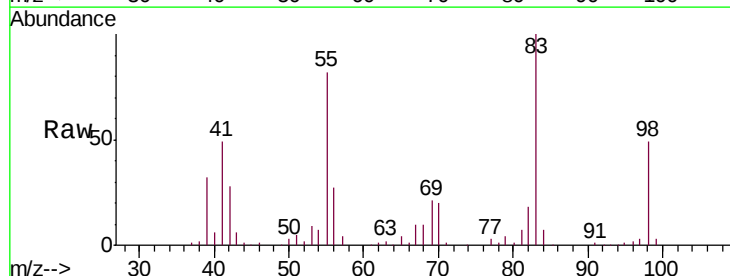


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

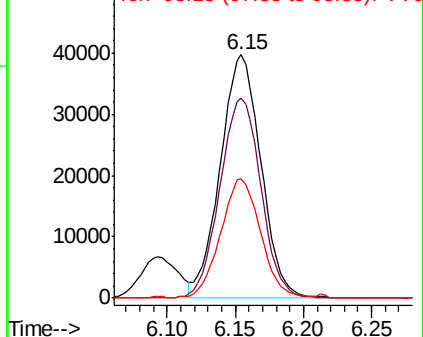
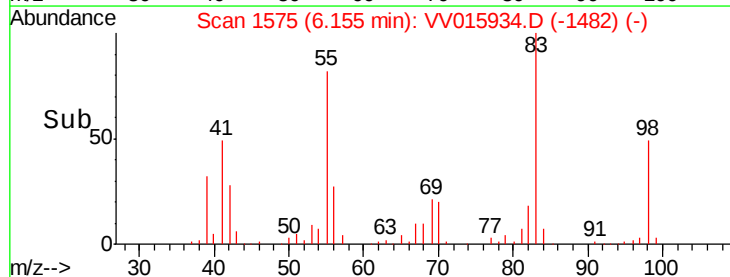


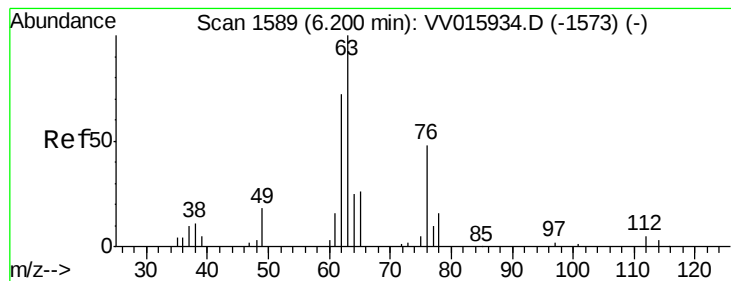
#35
 Methylcyclohexane
 Concen: 4.820 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VV015934.D
 Acq: 07 May 2020 10:55

Tgt Ion: 83 Resp: 82099
 Ion Ratio Lower Upper
 83 100
 55 81.9 66.2 99.2
 98 47.7 37.9 56.9



Abundance Ion 83.15 (82.85 to 83.85): VV0
 Ion 55.10 (54.80 to 55.80): VV0
 Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 4.846 ug/L

RT: 6.20 min Scan# 1589

Delta R.T. 0.00 min

Lab File: VV015934.D

Acq: 07 May 2020 10:55

Instrument :

MSVOA_V

ClientSampleId :

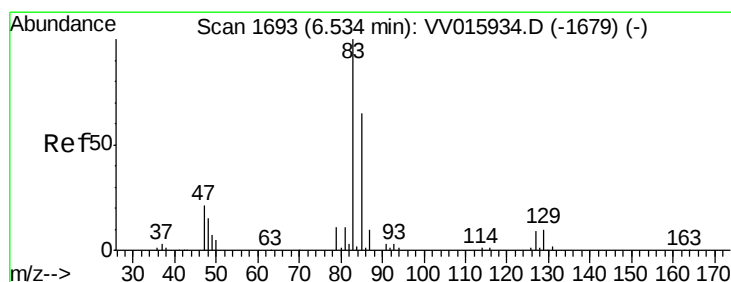
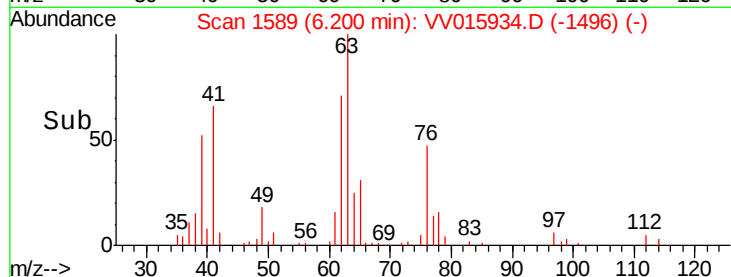
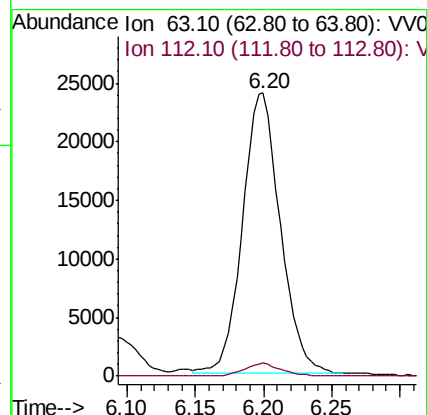
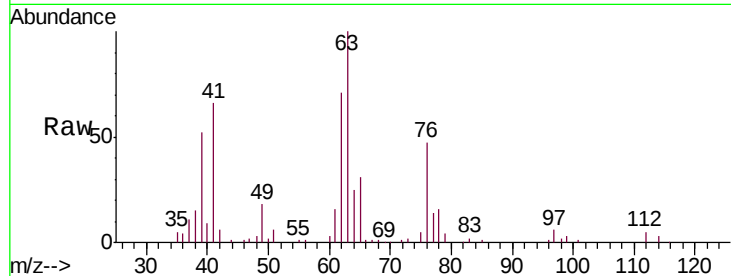
VSTD00533

Tgt Ion: 63 Resp: 46175

Ion Ratio Lower Upper

63 100

112 4.4 3.4 5.0



#38

Bromodichloromethane

Concen: 5.086 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VV015934.D

Acq: 07 May 2020 10:55

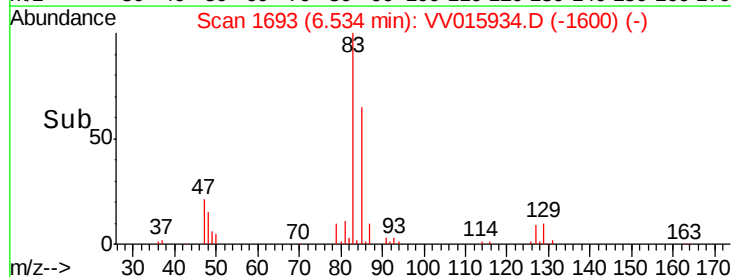
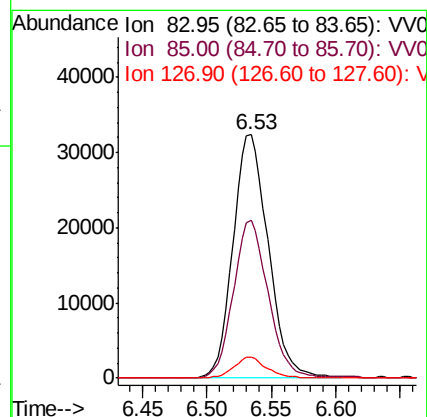
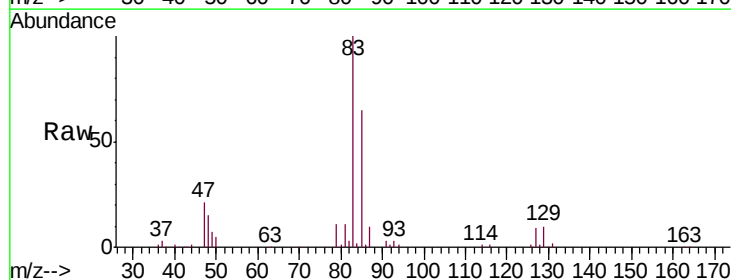
Tgt Ion: 83 Resp: 61551

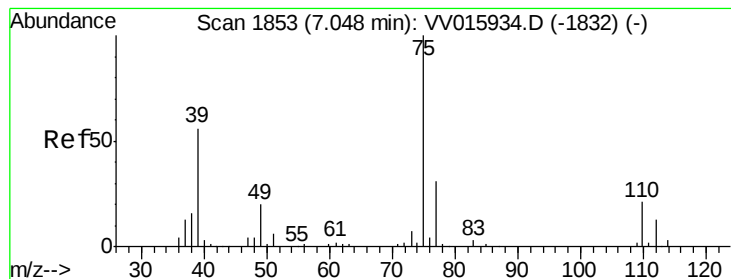
Ion Ratio Lower Upper

83 100

85 65.1 45.5 84.5

127 8.5 6.2 9.4



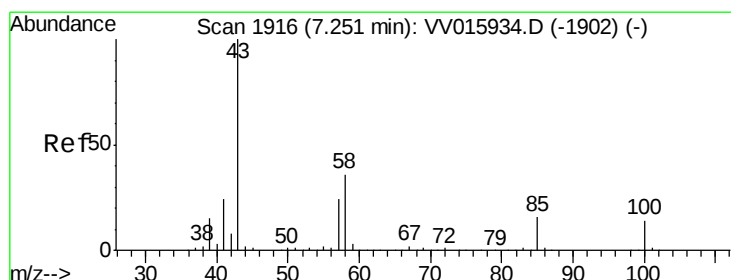
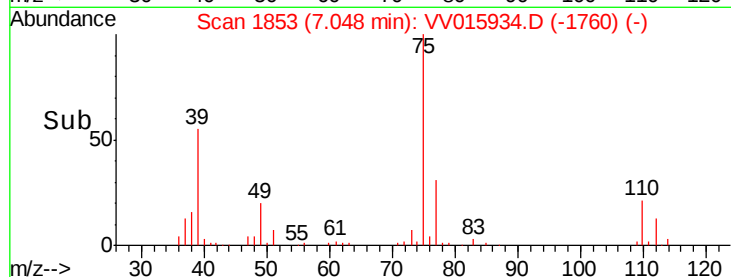
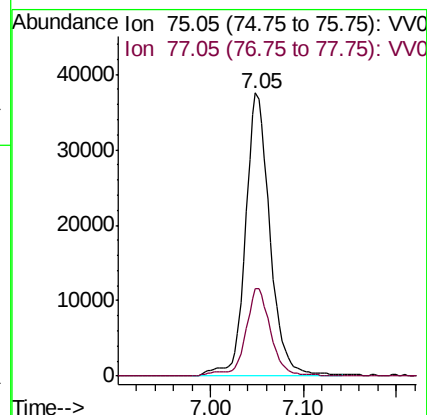
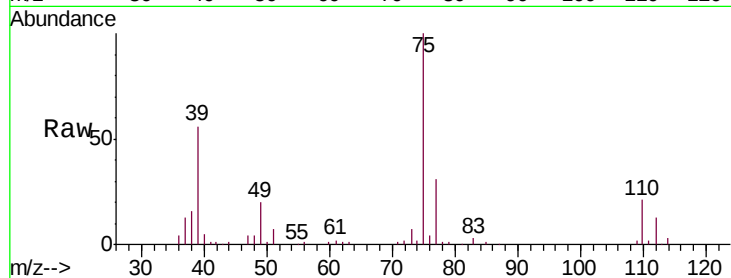


#39

cis-1,3-Dichloropropene
 Concen: 5.086 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV015934.D
 Acq: 07 May 2020 10:55

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00533

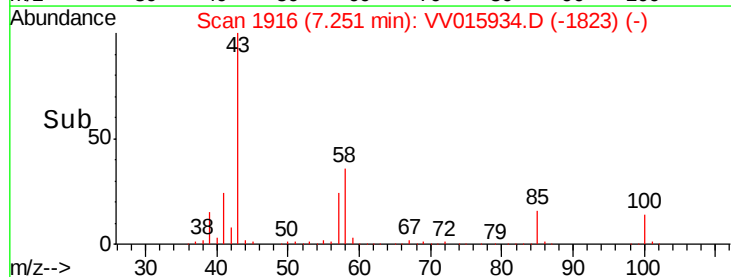
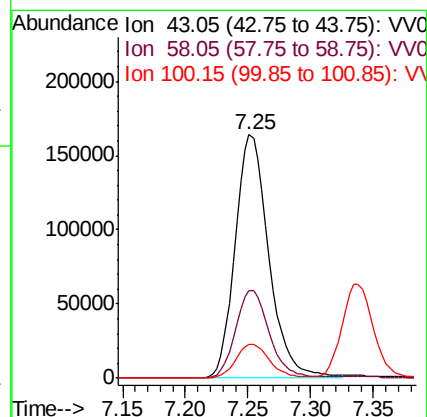
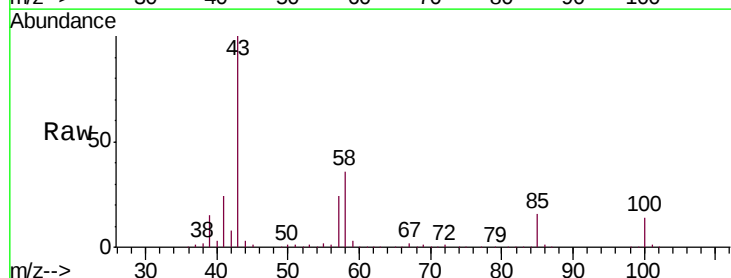
Tgt Ion: 75 Resp: 68875
 Ion Ratio Lower Upper
 75 100
 77 30.8 21.3 39.5

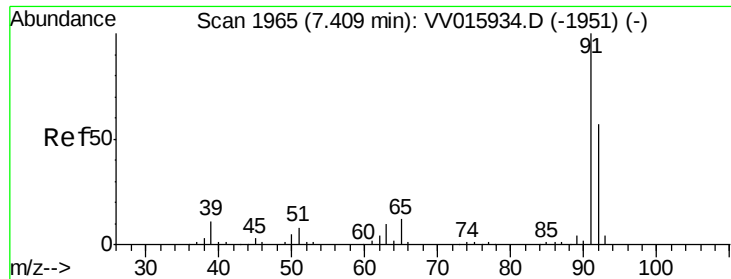


#40

4-Methyl-2-pentanone
 Concen: 50.280 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VV015934.D
 Acq: 07 May 2020 10:55

Tgt Ion: 43 Resp: 305916
 Ion Ratio Lower Upper
 43 100
 58 36.2 29.0 43.4
 100 13.9 10.9 16.3





#42

Toluene

Concen: 5.011 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV015934.D

Acq: 07 May 2020 10:55

Instrument :

MSVOA_V

ClientSampled :

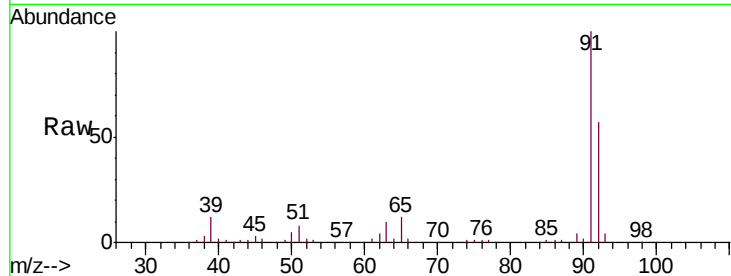
VSTD00533

Tgt Ion: 91 Resp: 205150

Ion Ratio Lower Upper

91 100

92 57.4 40.1 74.5



Abundance Ion 91.15 (90.85 to 91.85): VV015934.D (-1951) (-)

Ion 92.15 (91.85 to 92.85): VV015934.D (-1951) (-)

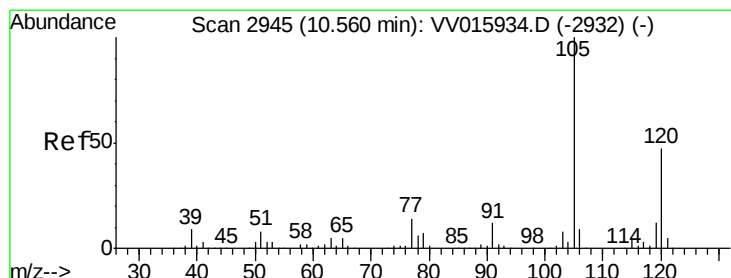
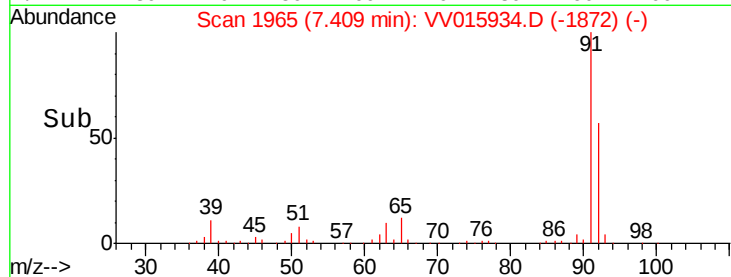
7.41

100000

50000

0

Time-->



#43

1,3,5-Trimethylbenzene

Concen: 5.000 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VV015934.D

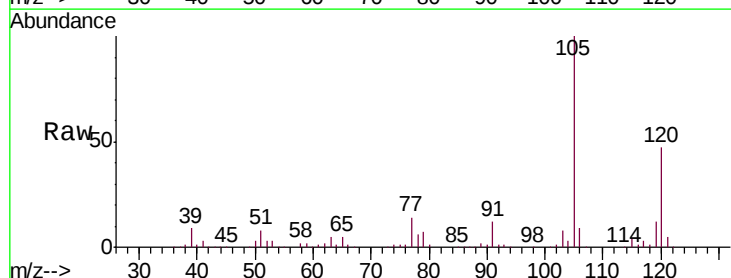
Acq: 07 May 2020 10:55

Tgt Ion: 105 Resp: 189485

Ion Ratio Lower Upper

105 100

120 46.9 0.0 0.0#



Abundance Ion 105.00 (104.70 to 105.70): VV015934.D (-2932) (-)

Ion 120.00 (119.70 to 120.70): VV015934.D (-2932) (-)

10.56

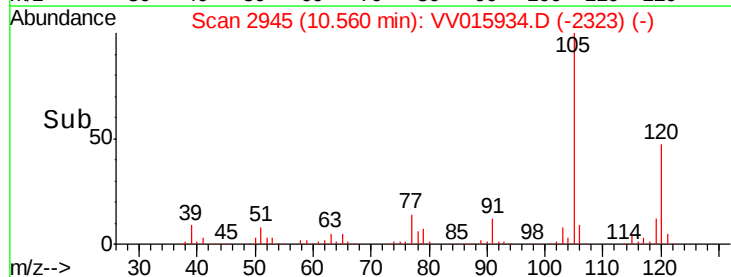
150000

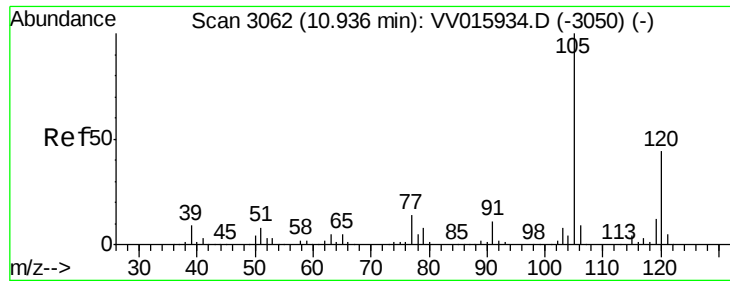
100000

50000

0

Time-->

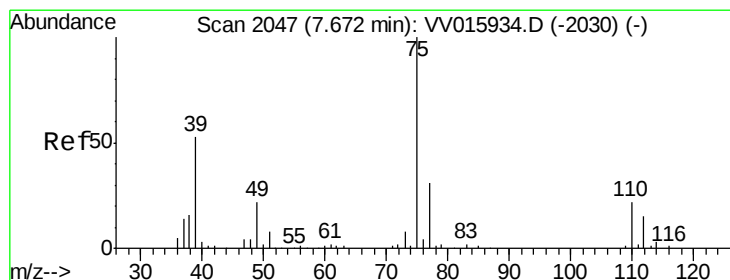
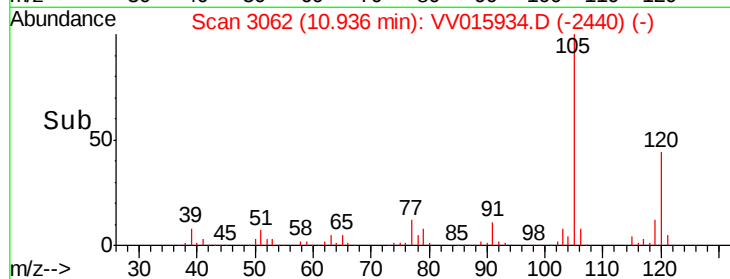
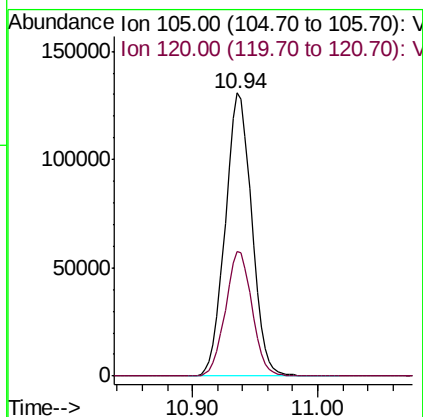
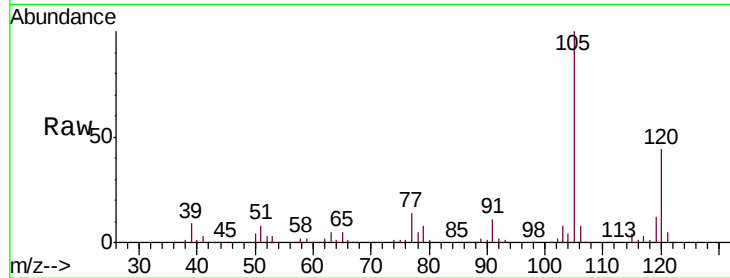




#44
 1,2,4-Trimethylbenzene
 Concen: 5.000 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. 0.00 min
 Lab File: VV015934.D
 Acq: 07 May 2020 10:55

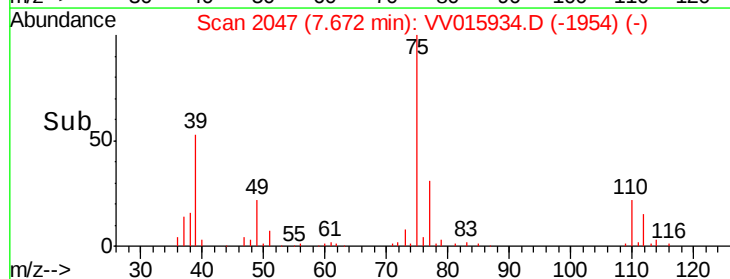
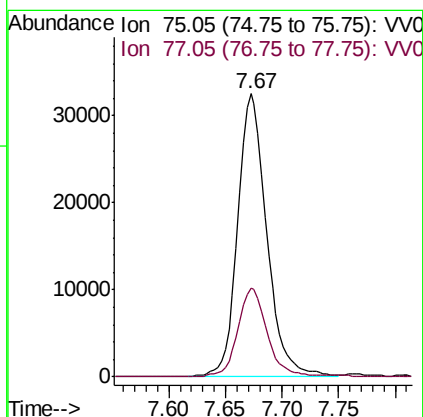
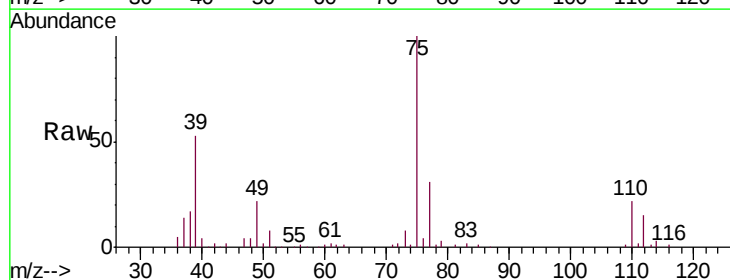
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00533

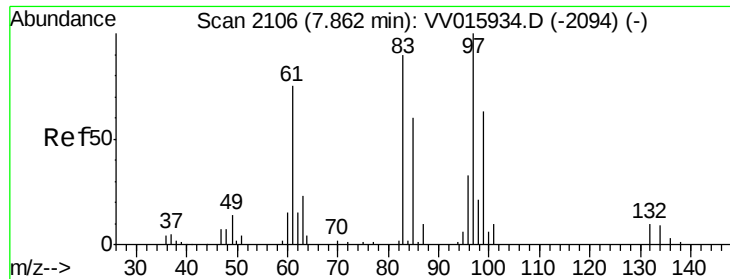
Tgt Ion: 105 Resp: 191868
 Ion Ratio Lower Upper
 105 100
 120 44.0 0.0 0.0#



#46
 trans-1,3-Dichloropropene
 Concen: 5.112 ug/L
 RT: 7.67 min Scan# 2047
 Delta R.T. 0.00 min
 Lab File: VV015934.D
 Acq: 07 May 2020 10:55

Tgt Ion: 75 Resp: 58518
 Ion Ratio Lower Upper
 75 100
 77 31.4 21.3 39.6

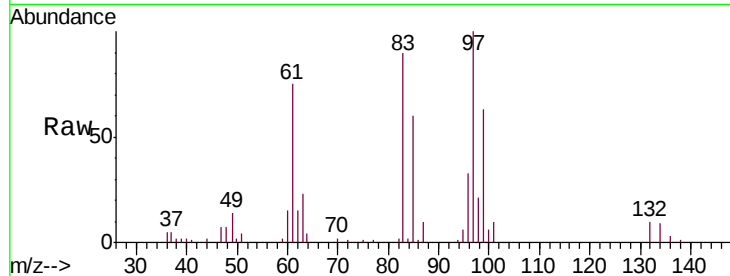




#47
 1,1,2-Trichloroethane
 Concen: 4.850 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VV015934.D
 Acq: 07 May 2020 10:55

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00533

Tgt Ion:	97	Resp:	31081
Ion	Ratio	Lower	Upper
97	100		
99	62.8	42.1	78.1
83	90.2	59.2	110.0
85	60.1	38.6	71.8



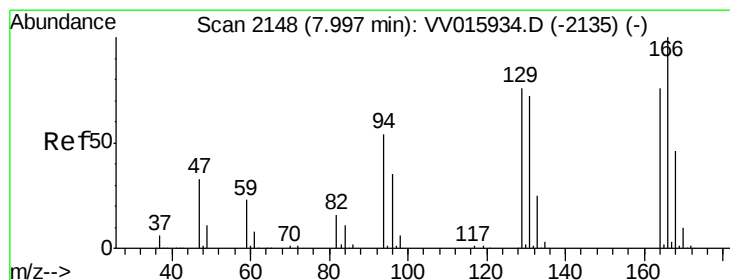
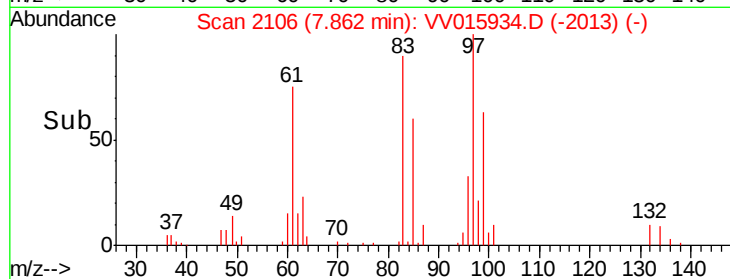
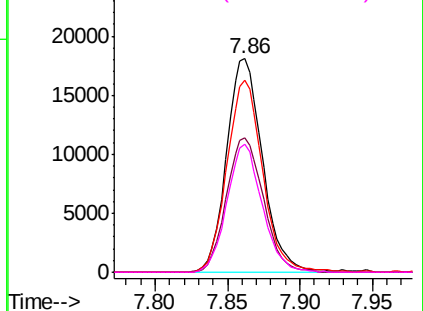
Abundance

Ion 96.95 (96.65 to 97.65): VV015934.D (-2094) (-)

Ion 99.05 (98.75 to 99.75): VV015934.D (-2094) (-)

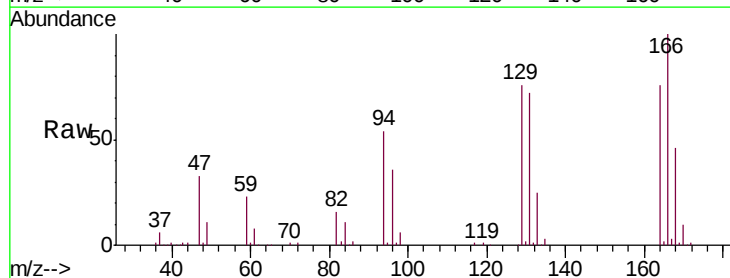
Ion 82.95 (82.65 to 83.65): VV015934.D (-2094) (-)

Ion 85.00 (84.70 to 85.70): VV015934.D (-2094) (-)



#49
 Tetrachloroethene
 Concen: 4.824 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV015934.D
 Acq: 07 May 2020 10:55

Tgt Ion:	164	Resp:	37500
Ion	Ratio	Lower	Upper
164	100		
129	100.6	69.7	129.4
131	95.4	66.8	124.2
166	132.1	89.1	165.5



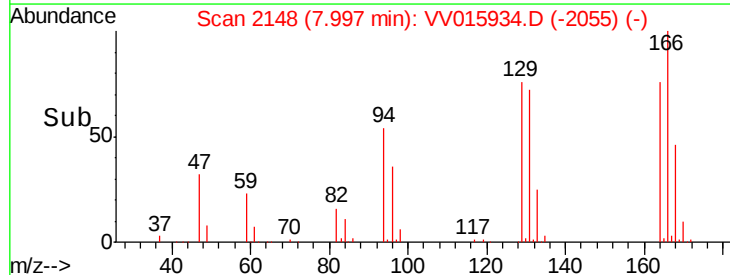
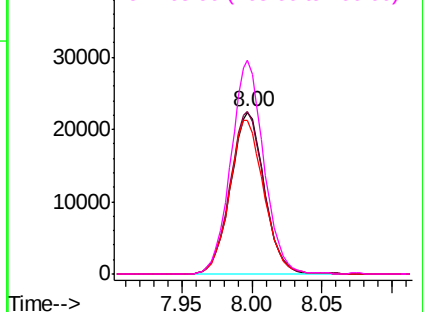
Abundance

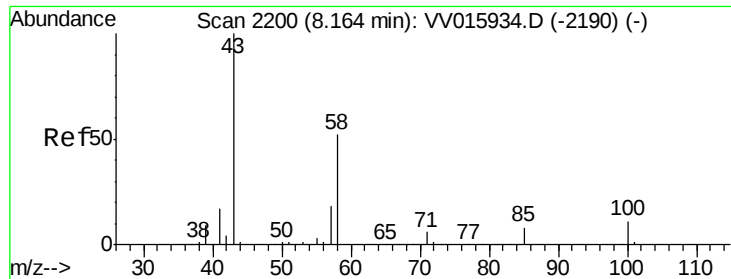
Ion 163.90 (163.60 to 164.60): VV015934.D (-2135) (-)

Ion 128.95 (128.65 to 129.65): VV015934.D (-2135) (-)

Ion 130.95 (130.65 to 131.65): VV015934.D (-2135) (-)

Ion 165.90 (165.60 to 166.60): VV015934.D (-2135) (-)

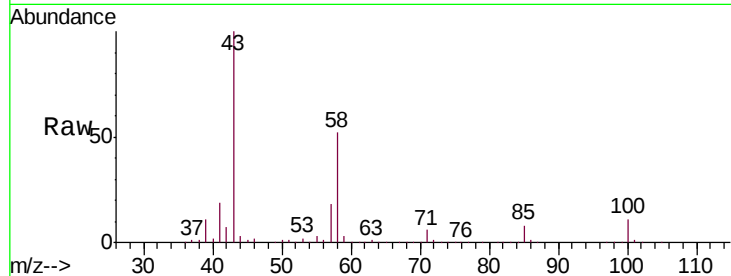




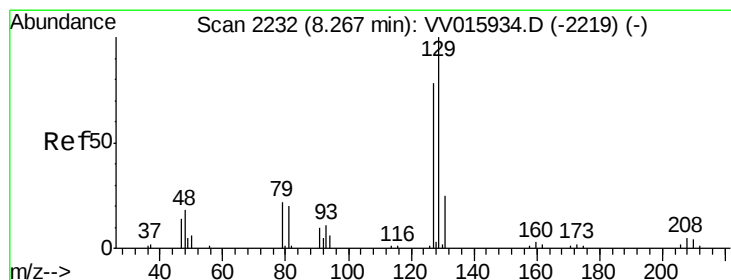
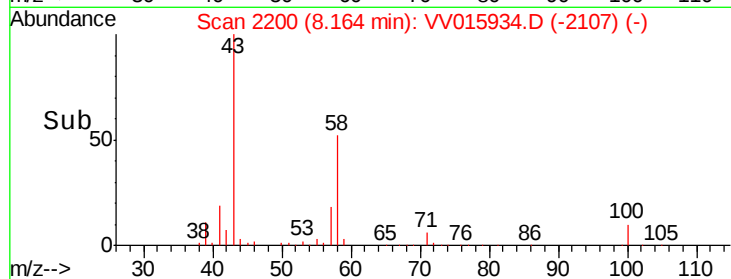
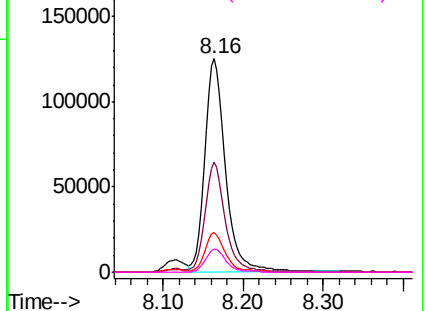
#50
2-Hexanone
Concen: 52.781 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VV015934.D
Acq: 07 May 2020 10:55

Instrument :
MSVOA_V
ClientSampleId :
VSTD00533

Tgt Ion:	43	Resp:	225833
Ion	Ratio	Lower	Upper
43	100		
58	50.0	40.8	61.2
57	18.5	14.7	22.1
100	11.0	9.0	13.6

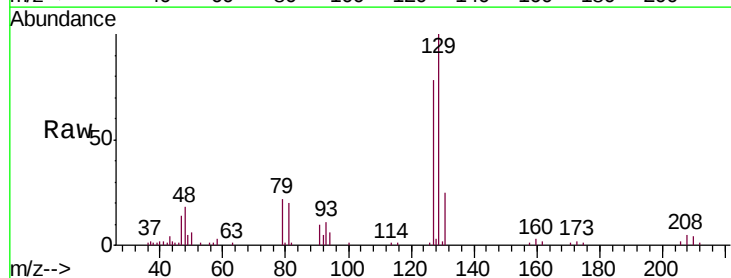


Abundance Ion 43.05 (42.75 to 43.75): VV015934.D (-2190) (-)
Ion 58.05 (57.75 to 58.75): VV015934.D (-2190) (-)
Ion 57.20 (56.90 to 57.90): VV015934.D (-2190) (-)
Ion 100.15 (99.85 to 100.85): VV015934.D (-2190) (-)

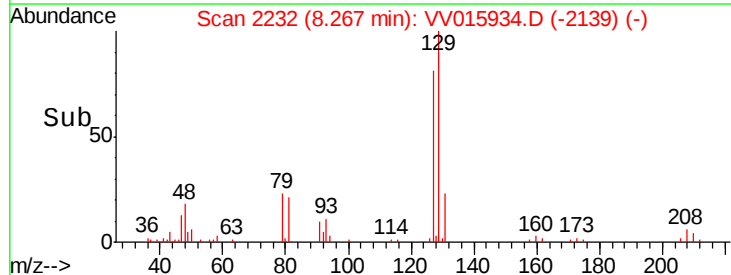
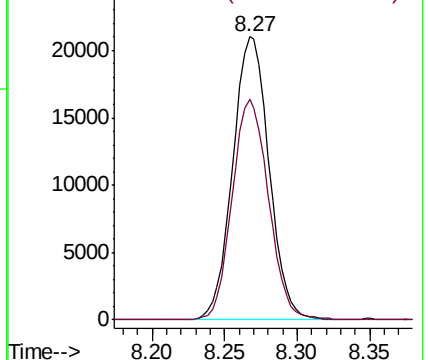


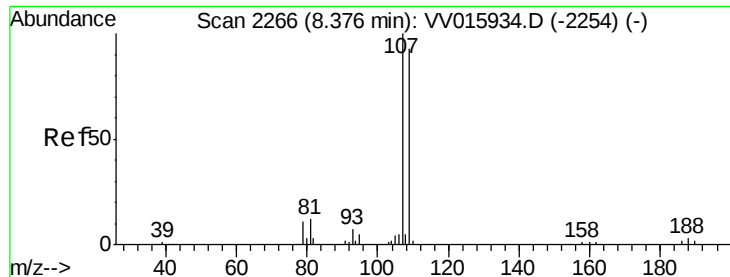
#51
Dibromochloromethane
Concen: 5.200 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV015934.D
Acq: 07 May 2020 10:55

Tgt Ion:	129	Resp:	36677
Ion	Ratio	Lower	Upper
129	100		
127	77.9	56.0	104.0



Abundance Ion 128.95 (128.65 to 129.65): VV015934.D (-2219) (-)
Ion 126.90 (126.60 to 127.60): VV015934.D (-2219) (-)

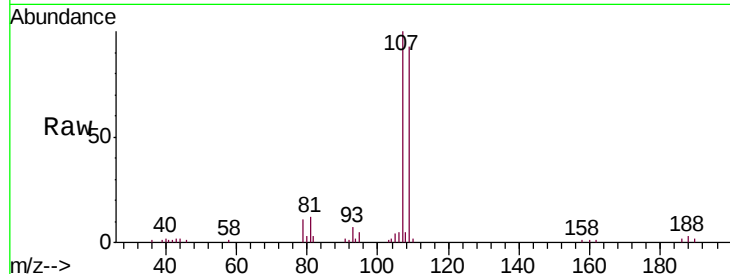




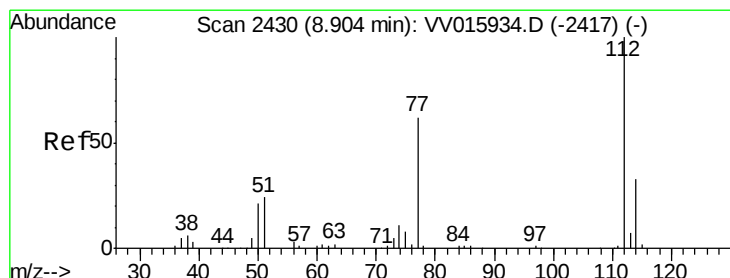
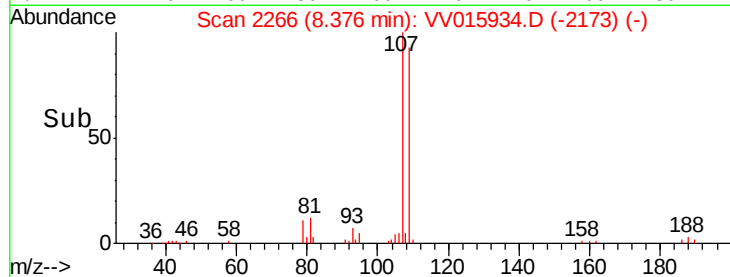
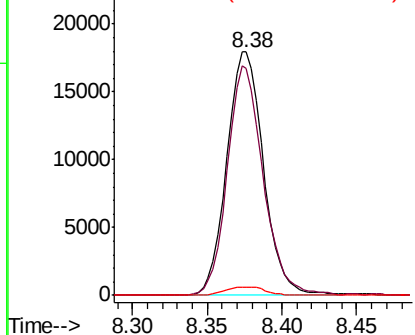
#52
1,2-Dibromoethane
Concen: 5.001 ug/L
RT: 8.38 min Scan# 2266
Delta R.T. 0.00 min
Lab File: VV015934.D
Acq: 07 May 2020 10:55

Instrument :
MSVOA_V
ClientSampleId :
VSTD00533

Tgt Ion:107 Resp: 30663
Ion Ratio Lower Upper
107 100
109 93.3 68.9 127.9
188 3.2 2.7 4.1

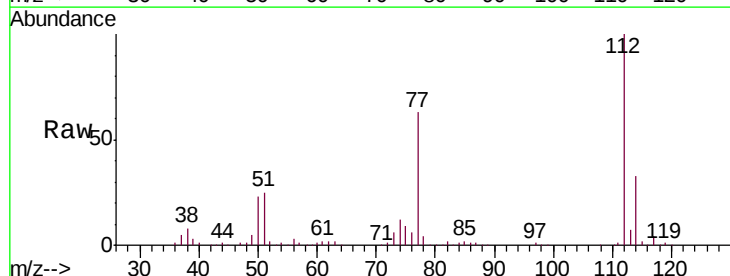


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

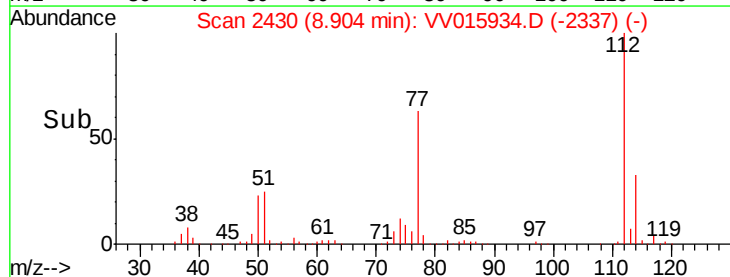
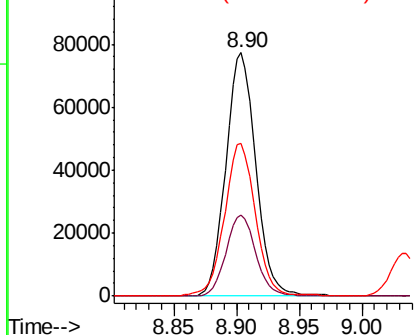


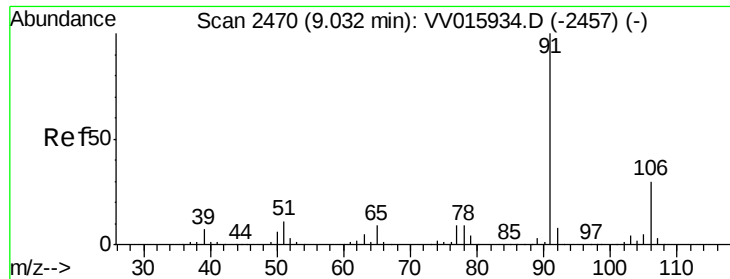
#53
Chlorobenzene
Concen: 4.918 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV015934.D
Acq: 07 May 2020 10:55

Tgt Ion:112 Resp: 128292
Ion Ratio Lower Upper
112 100
114 33.4 21.6 40.0
77 62.7 48.6 73.0



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#54

Ethylbenzene

Concen: 4.971 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV015934.D

Acq: 07 May 2020 10:55

Instrument :

MSVOA_V

ClientSampleId :

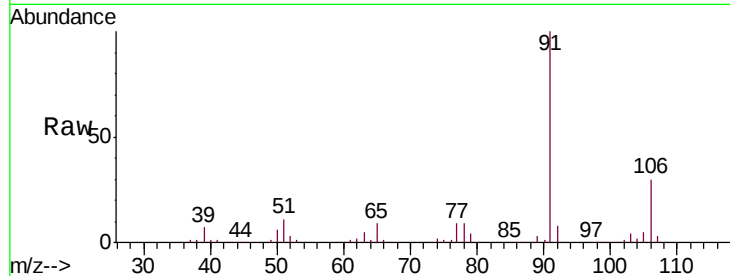
VSTD00533

Tgt Ion: 91 Resp: 230732

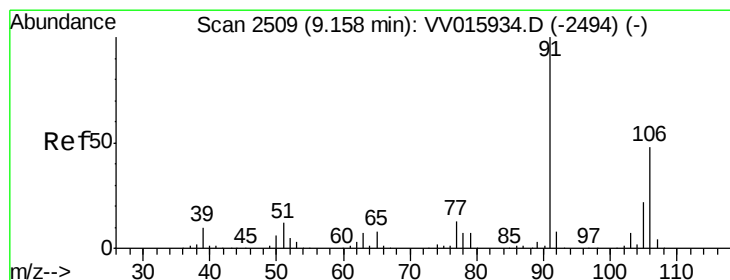
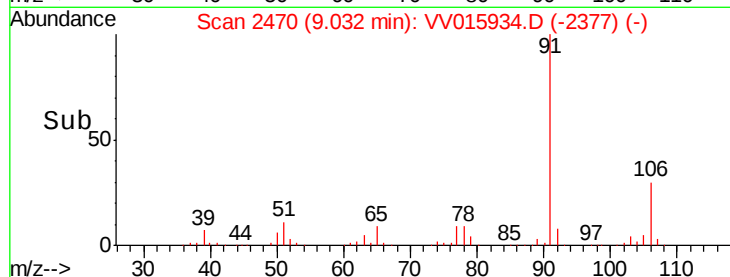
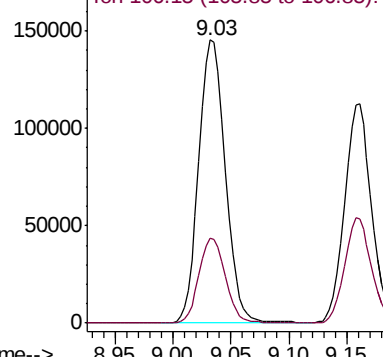
Ion Ratio Lower Upper

91 100

106 29.9 20.6 38.4



Abundance Ion 91.15 (90.85 to 91.85): VV015934.D (-2457) (-)



#55

m,p-xylene

Concen: 5.011 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV015934.D

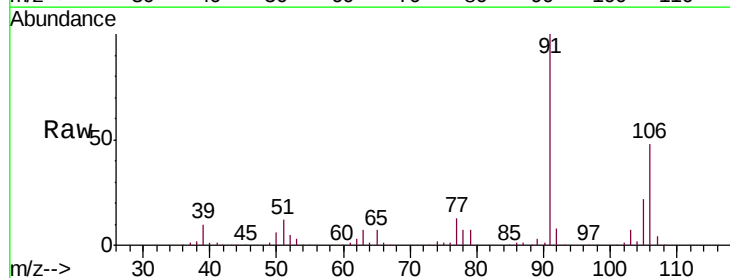
Acq: 07 May 2020 10:55

Tgt Ion: 106 Resp: 87254

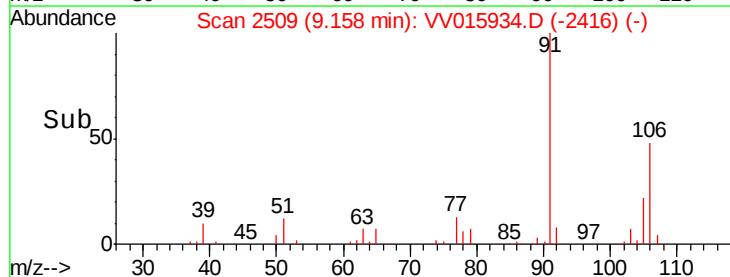
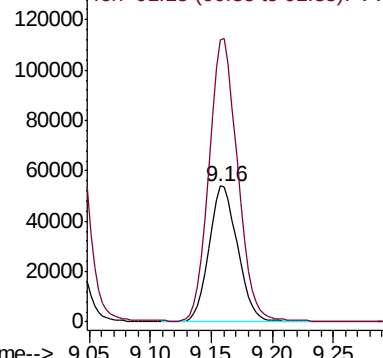
Ion Ratio Lower Upper

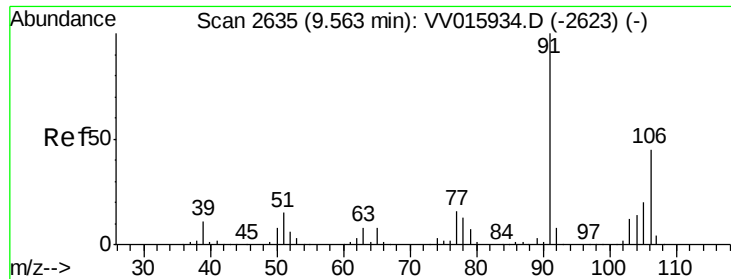
106 100

91 207.5 149.9 278.3



Abundance Ion 106.15 (105.85 to 106.85): VV015934.D (-2494) (-)

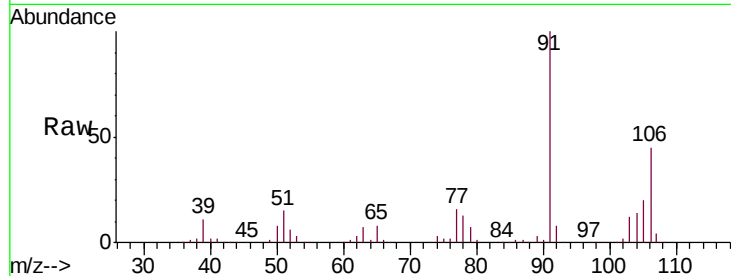




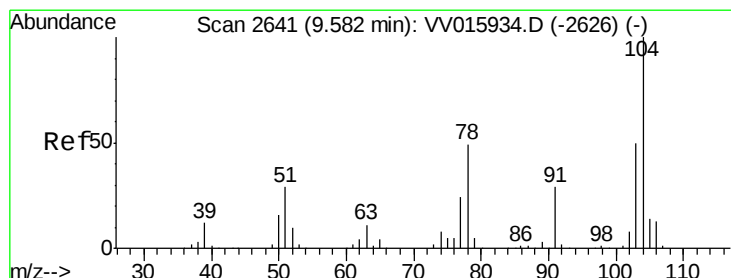
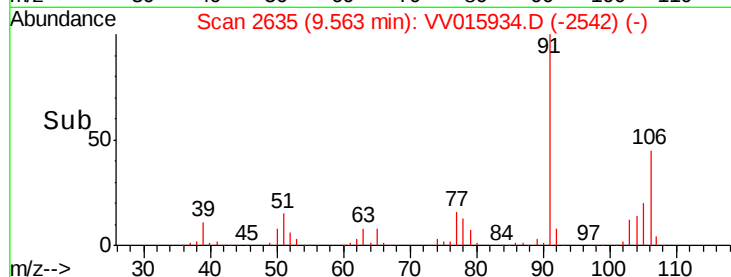
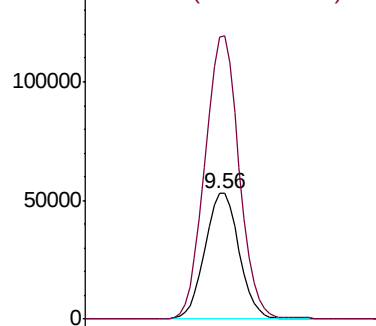
#56
o-xylene
Concen: 4.938 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. 0.00 min
Lab File: VV015934.D
Acq: 07 May 2020 10:55

Instrument :
MSVOA_V
ClientSampleId :
VSTD00533

Tgt Ion:106 Resp: 81369
Ion Ratio Lower Upper
106 100
91 224.1 159.7 296.5

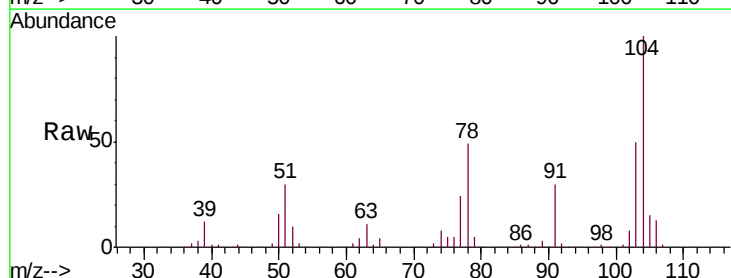


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

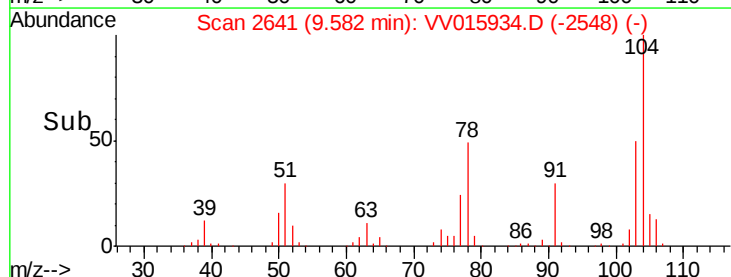
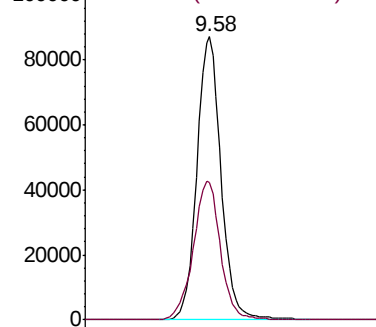


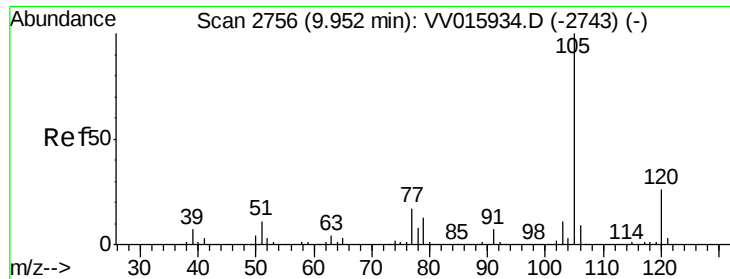
#57
Styrene
Concen: 5.121 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV015934.D
Acq: 07 May 2020 10:55

Tgt Ion:104 Resp: 141949
Ion Ratio Lower Upper
104 100
78 48.7 33.9 63.0



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





#58

Isopropylbenzene

Concen: 4.983 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV015934.D

Acq: 07 May 2020 10:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD00533

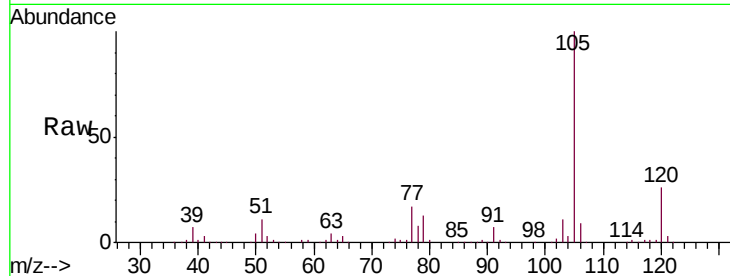
Tgt Ion: 105 Resp: 226850

Ion Ratio Lower Upper

105 100

120 25.7 20.8 31.2

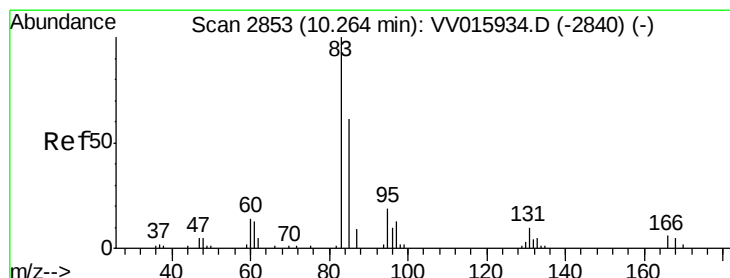
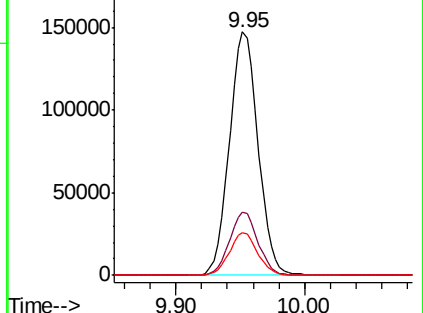
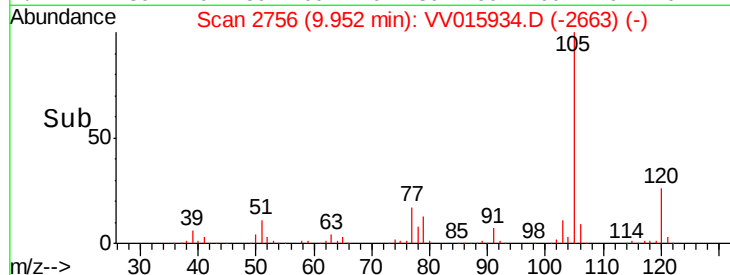
77 17.4 14.1 21.1



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



#60

1,1,2,2-Tetrachloroethane

Concen: 4.699 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV015934.D

Acq: 07 May 2020 10:55

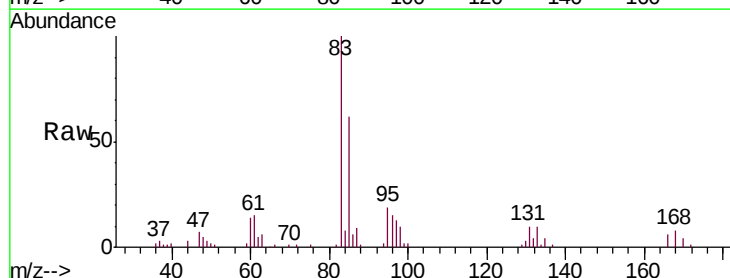
Tgt Ion: 83 Resp: 34456

Ion Ratio Lower Upper

83 100

85 61.5 44.0 81.6

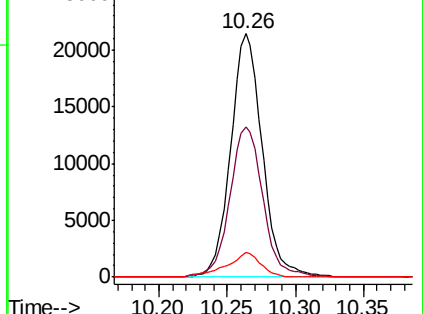
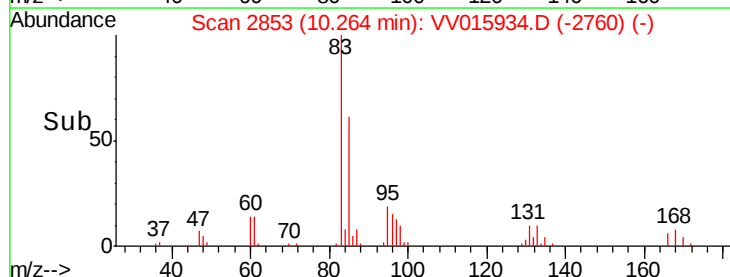
131 10.0 7.7 11.5

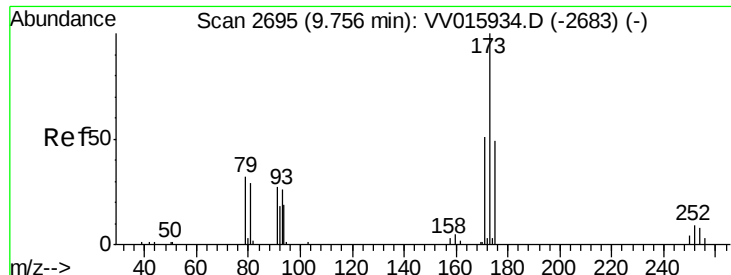


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

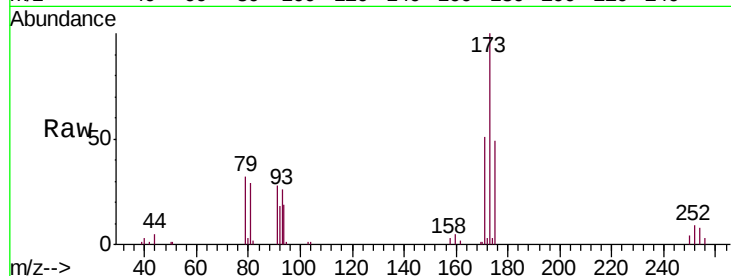




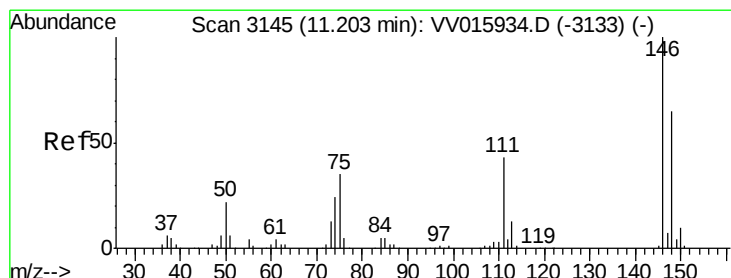
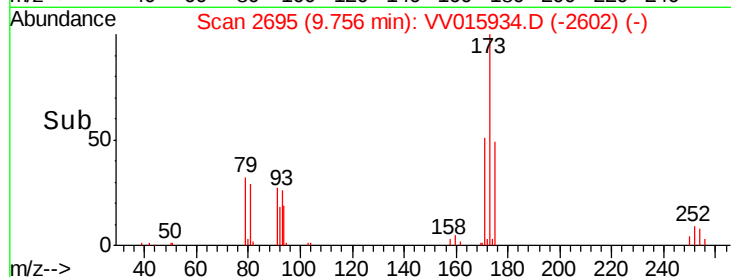
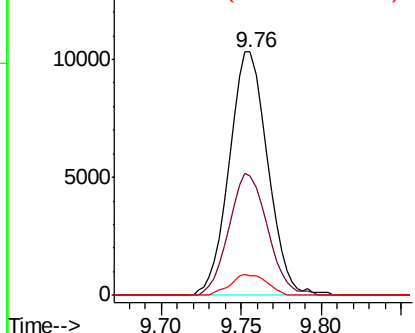
#62
Bromoform
Concen: 5.214 ug/L
RT: 9.76 min Scan# 2695
Delta R.T. 0.00 min
Lab File: VV015934.D
Acq: 07 May 2020 10:55

Instrument :
MSVOA_V
ClientSampleId :
VSTD00533

Tgt Ion:173 Resp: 16937
Ion Ratio Lower Upper
173 100
175 50.2 39.8 59.8
254 8.0 7.1 10.7

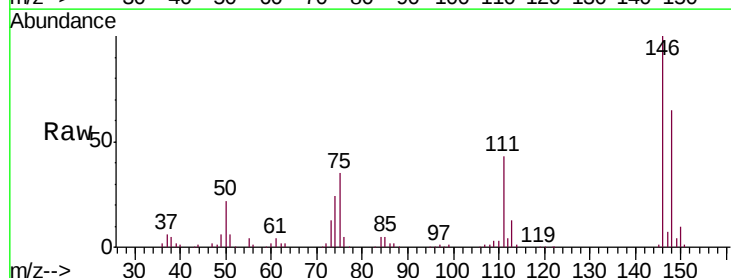


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V

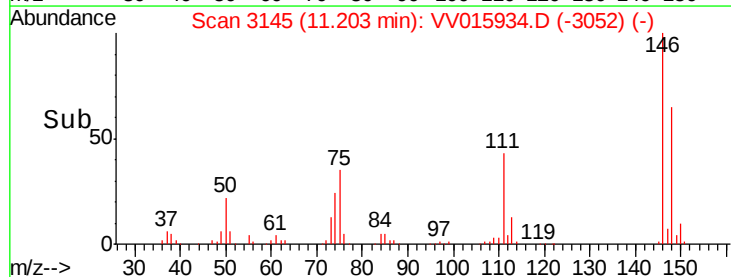
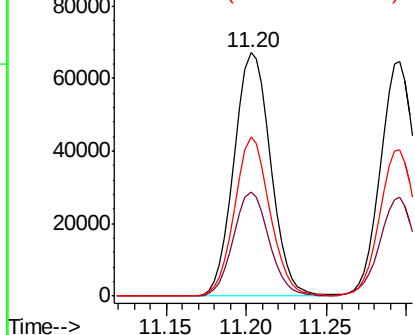


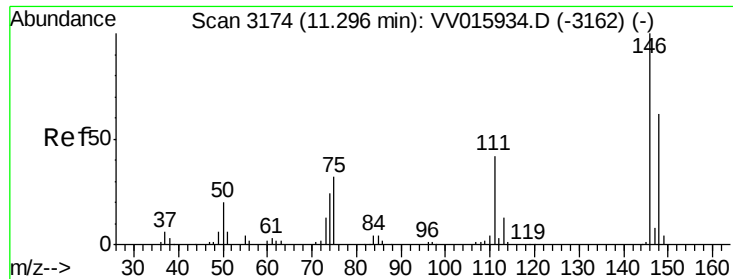
#63
1,3-Dichlorobenzene
Concen: 4.942 ug/L
RT: 11.20 min Scan# 3145
Delta R.T. 0.00 min
Lab File: VV015934.D
Acq: 07 May 2020 10:55

Tgt Ion:146 Resp: 104722
Ion Ratio Lower Upper
146 100
111 42.6 28.7 53.3
148 65.1 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

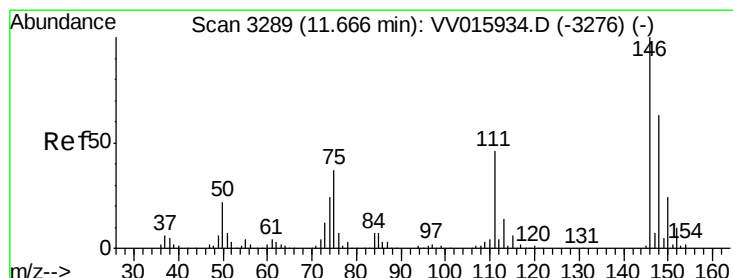
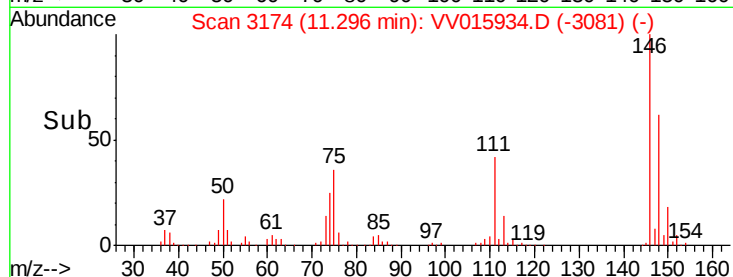
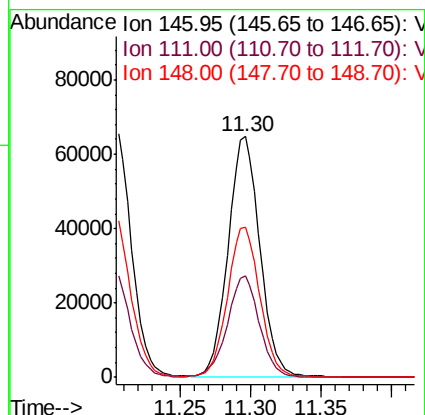
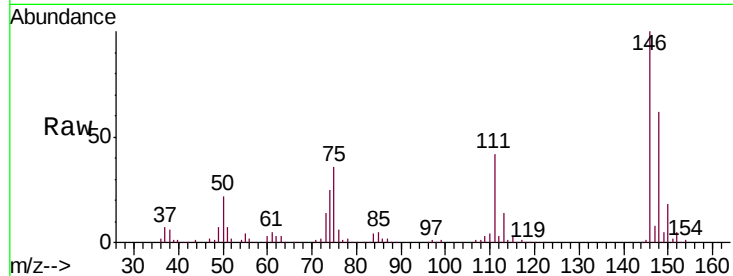




#64
 1,4-Dichlorobenzene
 Concen: 4.864 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV015934.D
 Acq: 07 May 2020 10:55

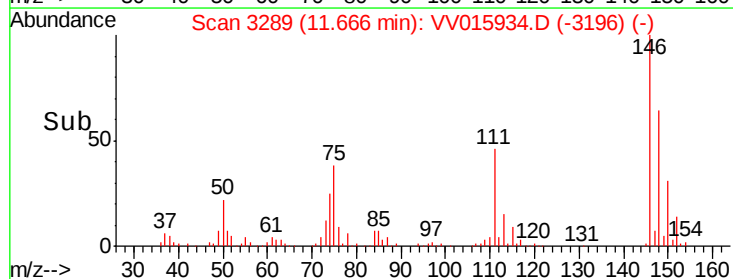
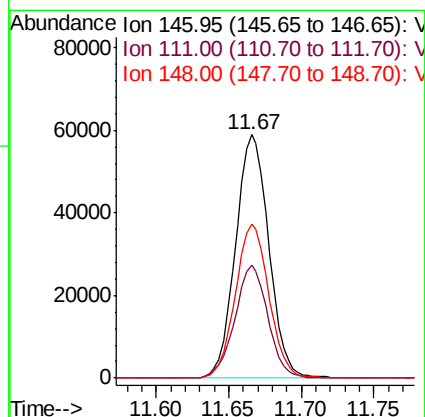
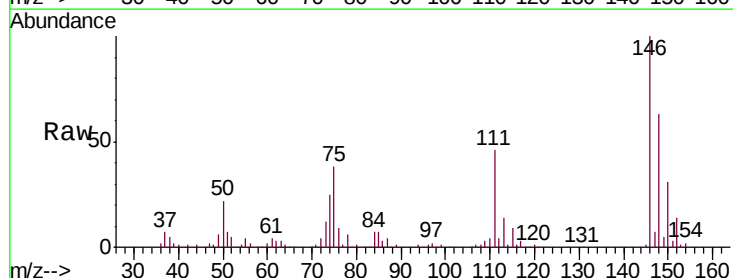
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00533

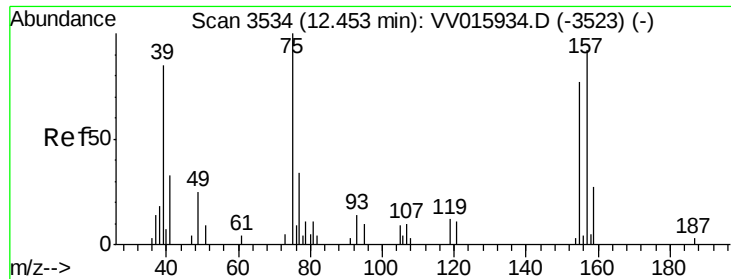
Tgt Ion:146 Resp: 101710
 Ion Ratio Lower Upper
 146 100
 111 41.9 28.9 53.7
 148 62.1 44.6 82.8



#66
 1,2-Dichlorobenzene
 Concen: 4.891 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV015934.D
 Acq: 07 May 2020 10:55

Tgt Ion:146 Resp: 93628
 Ion Ratio Lower Upper
 146 100
 111 46.3 37.0 55.4
 148 63.4 49.8 74.6

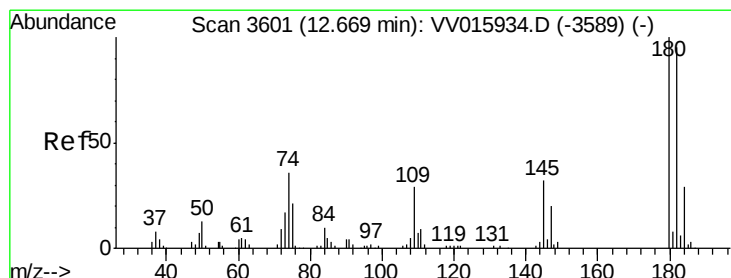
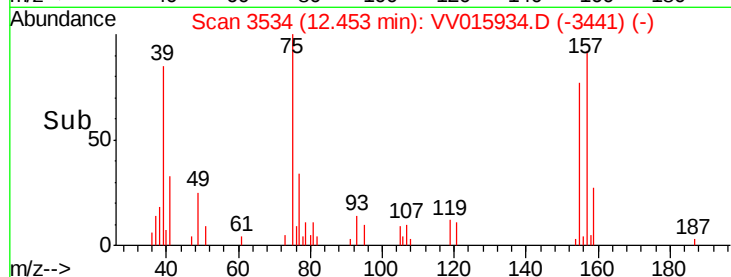
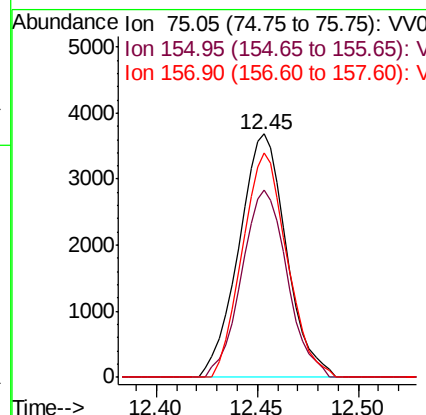
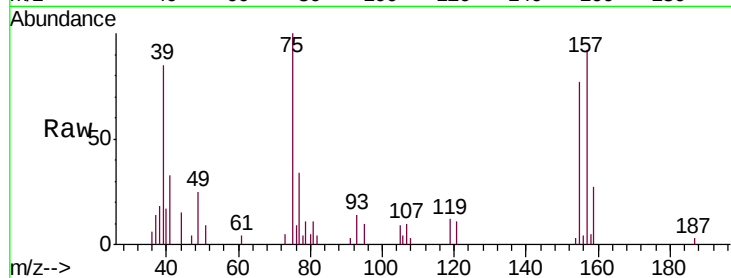




#67
 1,2-Dibromo-3-chloropropane
 Concen: 4.583 ug/L
 RT: 12.45 min Scan# 3534
 Delta R.T. 0.00 min
 Lab File: VV015934.D
 Acq: 07 May 2020 10:55

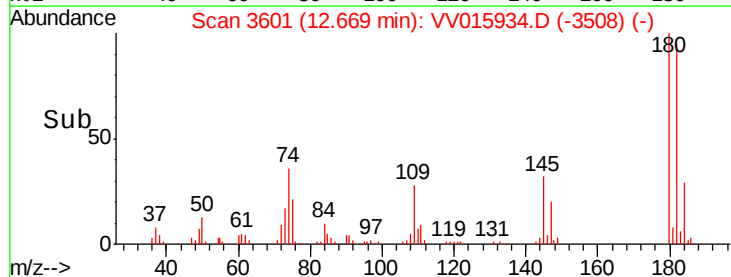
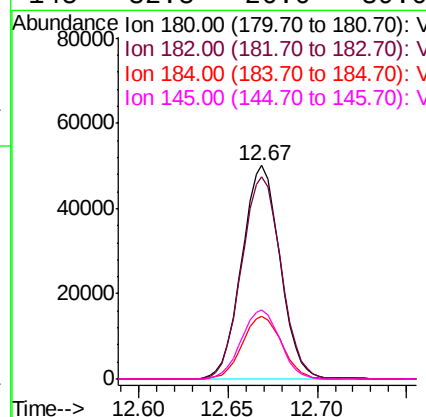
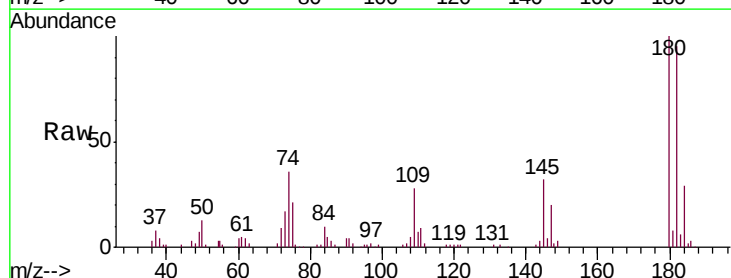
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00533

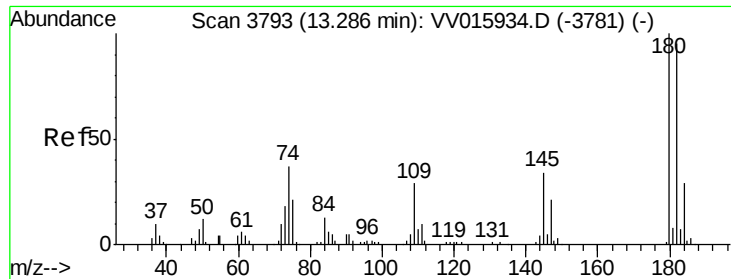
Tgt Ion: 75 Resp: 6053
 Ion Ratio Lower Upper
 75 100
 155 76.9 58.2 87.4
 157 92.4 79.4 119.2



#68
 1,3,5-Trichlorobenzene
 Concen: 4.792 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV015934.D
 Acq: 07 May 2020 10:55

Tgt Ion: 180 Resp: 75063
 Ion Ratio Lower Upper
 180 100
 182 97.6 75.8 113.6
 184 30.1 24.6 36.8
 145 32.8 26.0 39.0

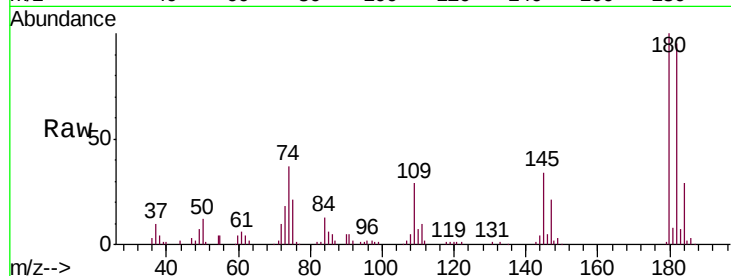




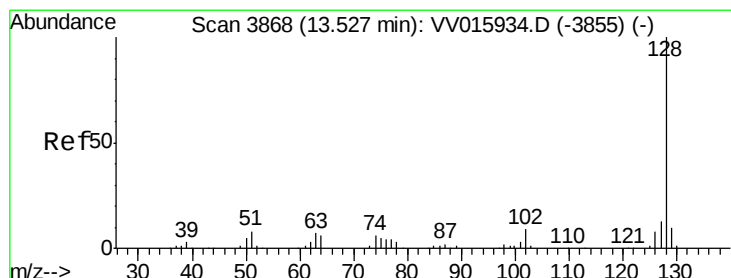
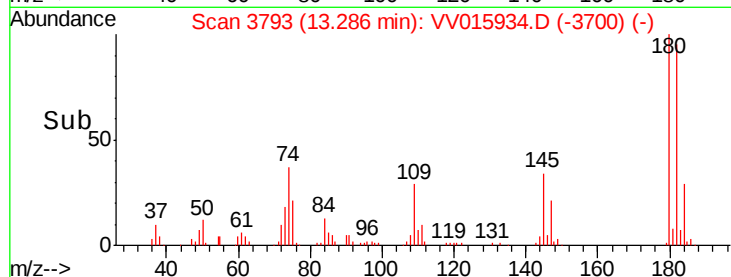
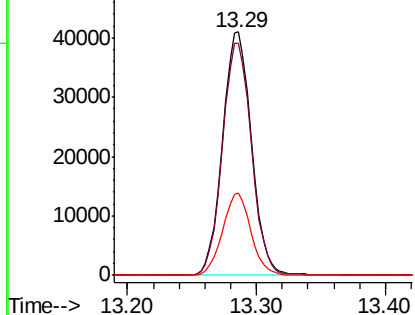
#69
 1,2,4-trichlorobenzene
 Concen: 4.851 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV015934.D
 Acq: 07 May 2020 10:55

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00533

Tgt Ion:180 Resp: 63919
 Ion Ratio Lower Upper
 180 100
 182 95.7 76.7 115.1
 145 32.8 26.4 39.6

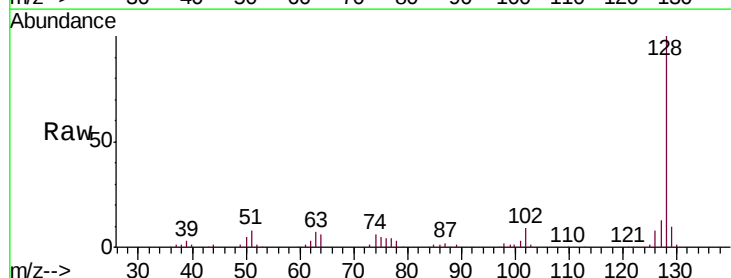


Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

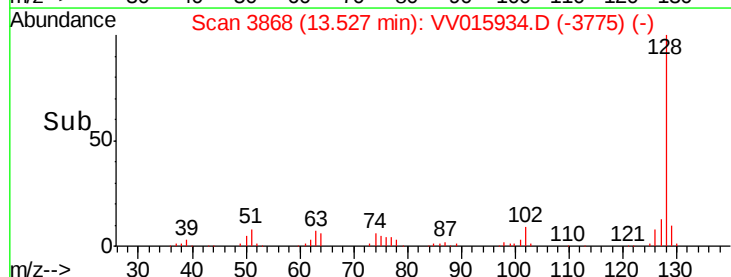
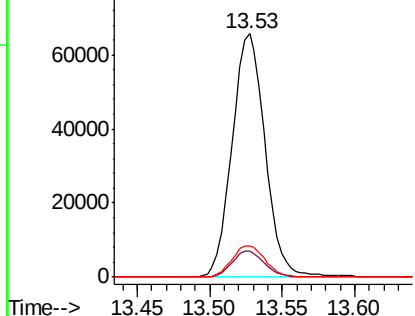


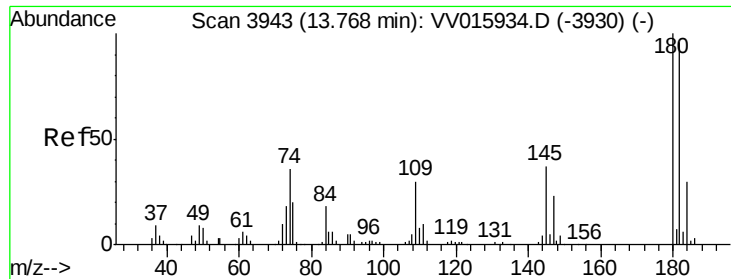
#70
 Naphthalene
 Concen: 4.720 ug/L
 RT: 13.53 min Scan# 3868
 Delta R.T. 0.00 min
 Lab File: VV015934.D
 Acq: 07 May 2020 10:55

Tgt Ion:128 Resp: 103567
 Ion Ratio Lower Upper
 128 100
 129 10.5 8.5 12.7
 127 13.2 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





#71

1,2,3-Trichlorobenzene

Concen: 4.875 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV015934.D

Acq: 07 May 2020 10:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD00533

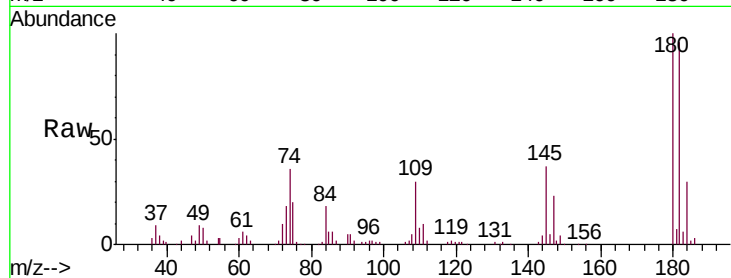
Tgt Ion:180 Resp: 57510

Ion Ratio Lower Upper

180 100

182 97.3 77.0 115.6

145 35.9 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

