

Data File : VV015933.D
Acq On : 07 May 2020 10:32
Operator : SY/MD
Sample : VSTD00132
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00132

Quant Time: May 08 04:40:21 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	150375	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	145147	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	71716	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	7638	0.85	ug/L	0.00
7) Chloroethane-d5	1.58	69	7846	0.96	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	16995	0.92	ug/L	0.00
20) 2-Butanone-d5	3.96	46	20551	8.59	ug/L	0.02
24) Chloroform-d	4.38	84	16579	0.92	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	9882	0.95	ug/L	0.00
32) Benzene-d6	5.08	84	33369	0.93	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	10198	0.92	ug/L	0.00
41) Toluene-d8	7.34	98	30271	0.90	ug/L	0.00
45) trans-1,3-Dichloropropene-	7.65	79	3660	0.85	ug/L	0.00
48) 2-Hexanone-d5	8.12	63	15257	7.99	ug/L	0.00
59) 1,1,2,2-Tetrachloroethane-	10.24	84	6818	0.86	ug/L	0.00
65) 1,2-Dichlorobenzene-d4	11.65	152	11173	0.94	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.13	85	10543	0.880 ug/L	97
3) Chloromethane	1.25	50	11085	0.927 ug/L	97
5) Vinyl chloride	1.32	62	10574	0.926 ug/L	92
6) Bromomethane	1.53	94	6025	0.946 ug/L	98
8) Chloroethane	1.59	64	8779	1.250 ug/L	85
9) Trichlorofluoromethane	1.76	101	14831	0.959 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	8609	0.981 ug/L	96
12) 1,1-Dichloroethene	2.13	96	7639	0.902 ug/L	91
13) Acetone	2.47	43	2719	1.841 ug/L	86
14) Carbon disulfide	2.31	76	25198	0.918 ug/L	99
15) Methyl Acetate	2.47	43	3054	0.887 ug/L	# 78
16) Methylene chloride	2.52	84	9864	0.839 ug/L	98
17) Methyl tert-butyl Ether	2.79	73	20078	0.906 ug/L	97
18) trans-1,2-Dichloroethene	2.78	96	8619	0.913 ug/L	96
19) 1,1-Dichloroethane	3.21	63	16599	0.921 ug/L	95
21) 2-Butanone	4.04	43	17398	7.135 ug/L	81
22) cis-1,2-Dichloroethene	3.94	96	8857	0.900 ug/L	97
23) Bromochloromethane	4.28	128	3984	0.963 ug/L	98
25) Chloroform	4.41	83	18704	0.950 ug/L	98
27) 1,2-Dichloroethane	5.16	62	11389	0.945 ug/L	97
29) 1,1,1-Trichloroethane	4.63	97	14736	0.895 ug/L	95
30) Cyclohexane	4.70	56	15060	0.897 ug/L	97
31) Carbon tetrachloride	4.85	117	12615	0.892 ug/L	98
33) Benzene	5.13	78	33722	0.894 ug/L	100
34) Trichloroethene	5.94	95	10155	0.984 ug/L	98
35) Methylcyclohexane	6.15	83	14780	0.882 ug/L	96
37) 1,2-Dichloropropane	6.20	63	9096	0.971 ug/L	99
38) Bromodichloromethane	6.54	83	11000	0.924 ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	11498	0.863 ug/L	96
40) 4-Methyl-2-pentanone	7.25	43	52149	8.714 ug/L	96

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Quant Title : TRACE VOA SOM01.0
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	34473	0.856	ug/L	97
43) 1,3,5-Trimethylbenzene	10.56	105	29894	0.802	ug/L #	100
44) 1,2,4-Trimethylbenzene	10.94	105	29544	0.783	ug/L #	100
46) trans-1,3-Dichloropropene	7.68	75	9343	0.830	ug/L	93
47) 1,1,2-Trichloroethane	7.86	97	5784	0.918	ug/L	96
49) Tetrachloroethene	8.00	164	7168	0.937	ug/L	96
50) 2-Hexanone	8.17	43	34575	8.215	ug/L	97
51) Dibromochloromethane	8.27	129	6138	0.885	ug/L	96
52) 1,2-Dibromoethane	8.38	107	5381	0.892	ug/L #	89
53) Chlorobenzene	8.90	112	23498	0.916	ug/L	94
54) Ethylbenzene	9.04	91	40261	0.882	ug/L	98
55) m,p-xylene	9.16	106	14285	0.834	ug/L	99
56) o-xylene	9.57	106	13821	0.853	ug/L	95
57) Styrene	9.59	104	21824	0.800	ug/L	98
58) Isopropylbenzene	9.95	105	37979	0.848	ug/L	98
60) 1,1,2,2-Tetrachloroethane	10.26	83	5969	0.828	ug/L	93
62) Bromoform	9.76	173	2930	0.947	ug/L #	92
63) 1,3-Dichlorobenzene	11.21	146	18423	0.913	ug/L	98
64) 1,4-Dichlorobenzene	11.30	146	18185	0.913	ug/L	99
66) 1,2-Dichlorobenzene	11.67	146	16503	0.906	ug/L	96
67) 1,2-Dibromo-3-chloropropan	12.45	75	979	0.779	ug/L	94
68) 1,3,5-Trichlorobenzene	12.67	180	12840	0.861	ug/L	94
69) 1,2,4-trichlorobenzene	13.29	180	11447	0.912	ug/L	97
70) Naphthalene	13.53	128	15635	0.748	ug/L	98
71) 1,2,3-Trichlorobenzene	13.77	180	9774	0.870	ug/L	99

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

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```
ALS Vial      : 3      Sample Multiplier: 1
```

Instrument :
MSVOA_V
ClientSampleId :
VSTD00132

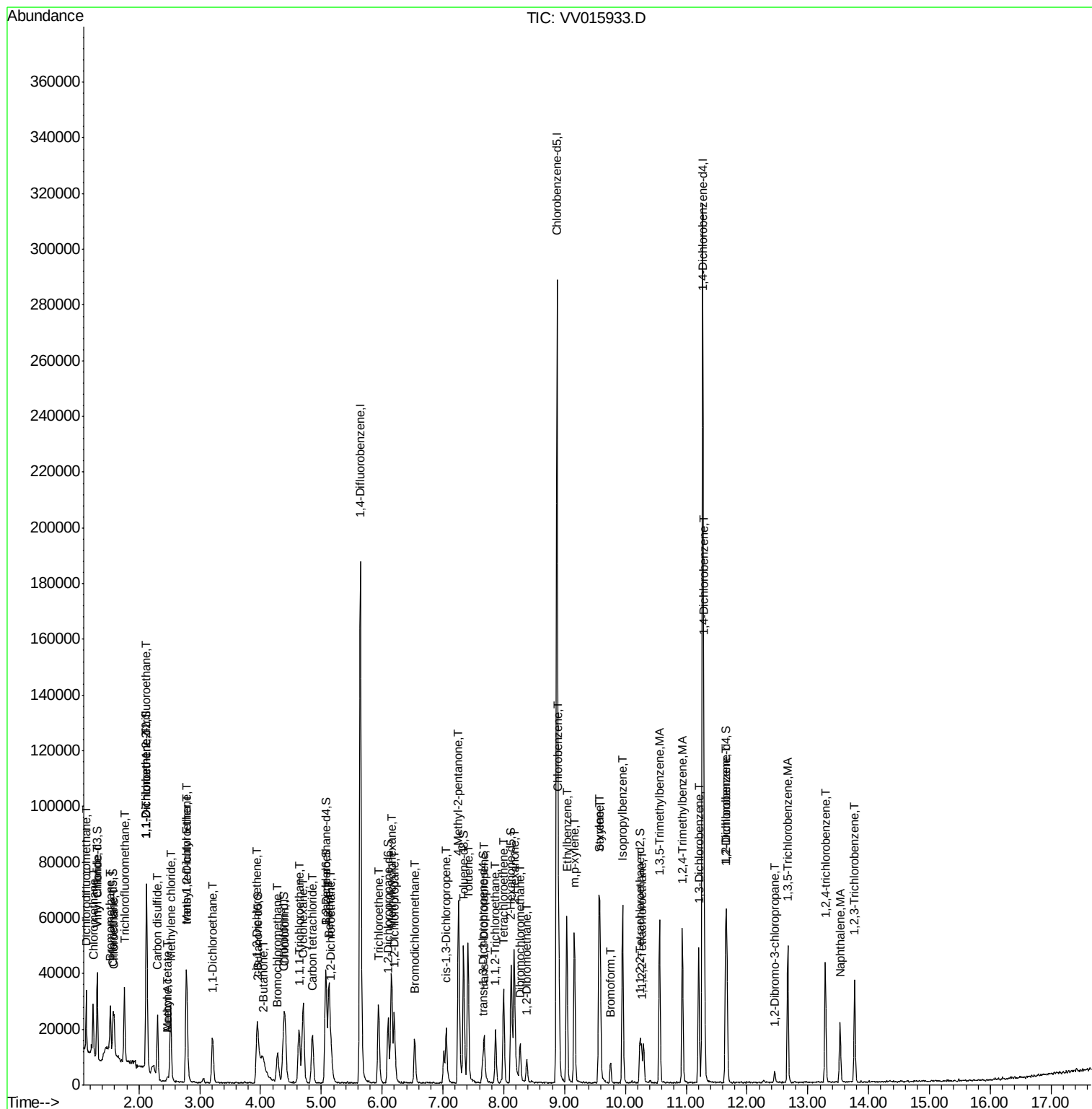
Quant Time: May 08 04:40:21 2020

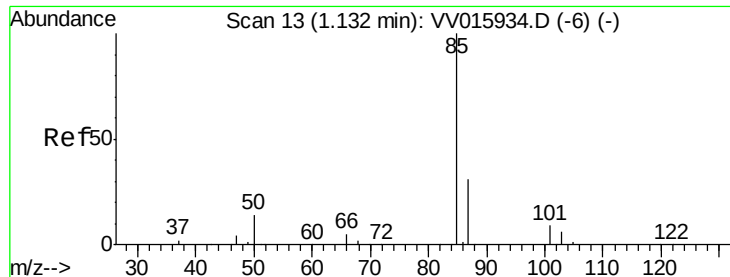
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVTR050720WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Fri May 08 04:37:53 2020

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.880 ug/L

RT: 1.13 min Scan# 13

Delta R.T. -0.00 min

Lab File: VV015933.D

Acq: 07 May 2020 10:32

Instrument :

MSVOA_V

ClientSampleId :

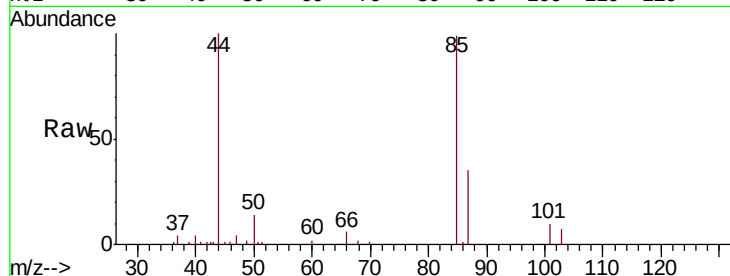
VSTD00132

Tgt Ion: 85 Resp: 10543

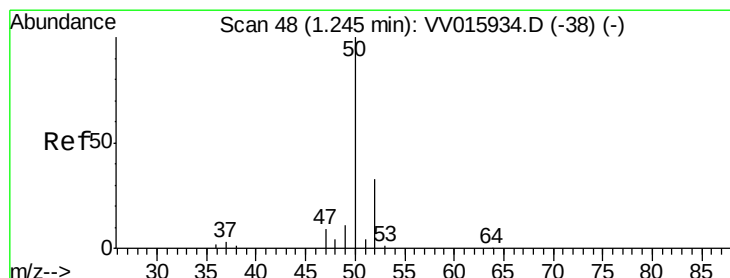
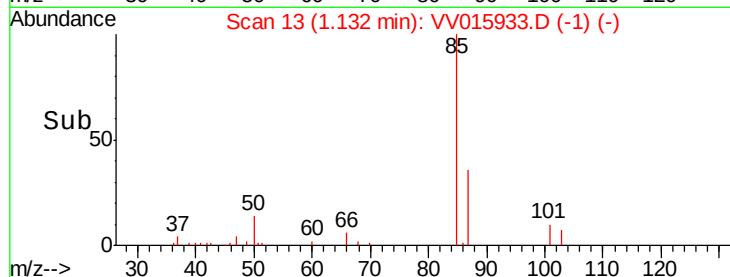
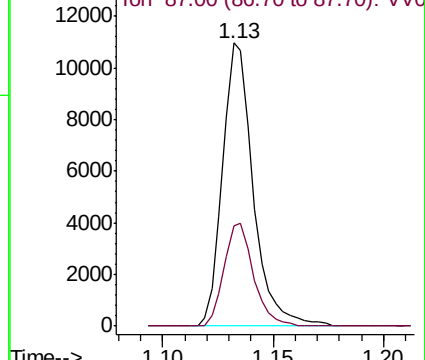
Ion Ratio Lower Upper

85 100

87 34.8 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VV015933.D (-1) (-)



#3

Chloromethane

Concen: 0.927 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV015933.D

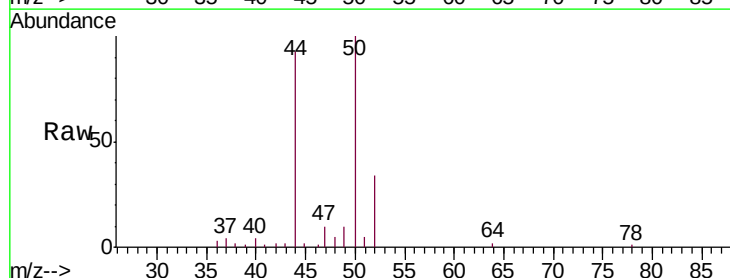
Acq: 07 May 2020 10:32

Tgt Ion: 50 Resp: 11085

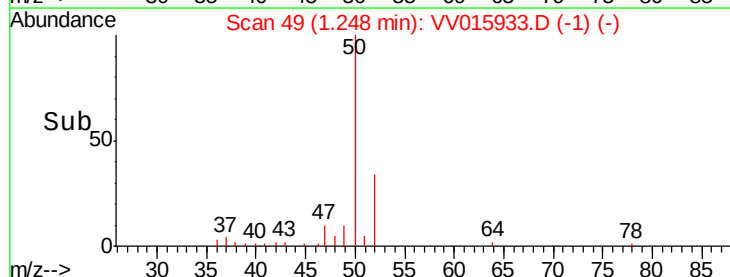
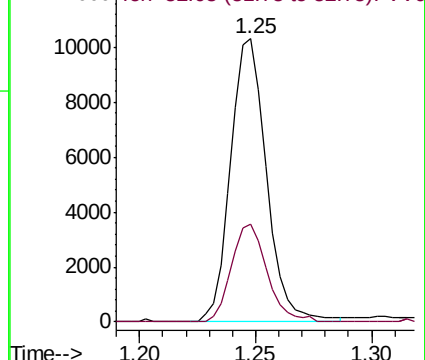
Ion Ratio Lower Upper

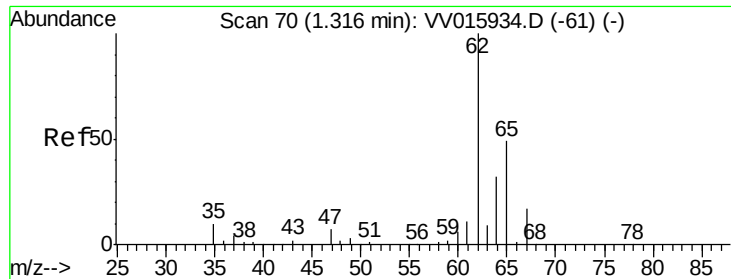
50 100

52 34.4 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VV015933.D (-1) (-)





#5

Vinyl chloride

Concen: 0.926 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV015933.D

Acq: 07 May 2020 10:32

Instrument :

MSVOA_V

ClientSampleId :

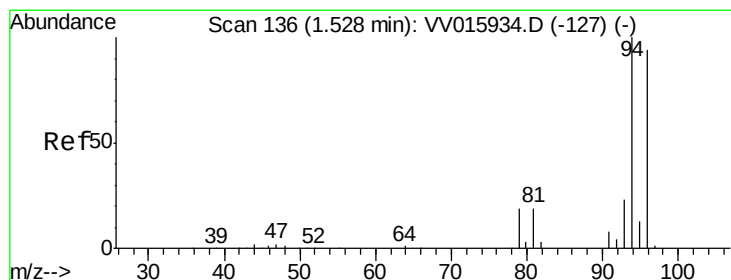
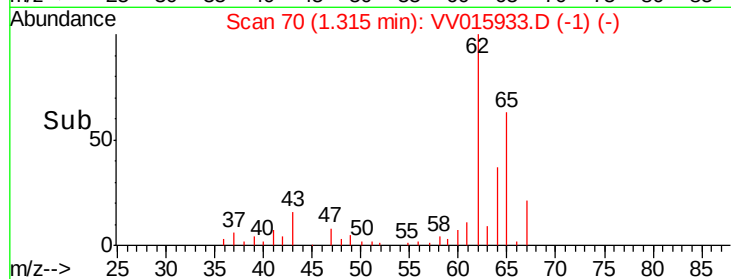
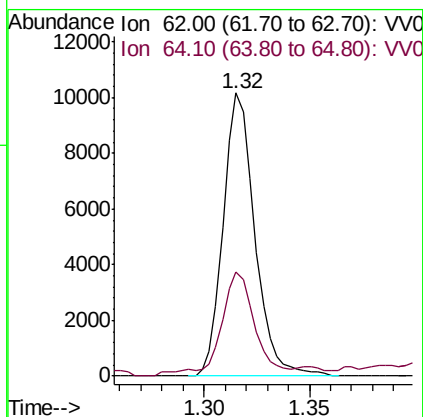
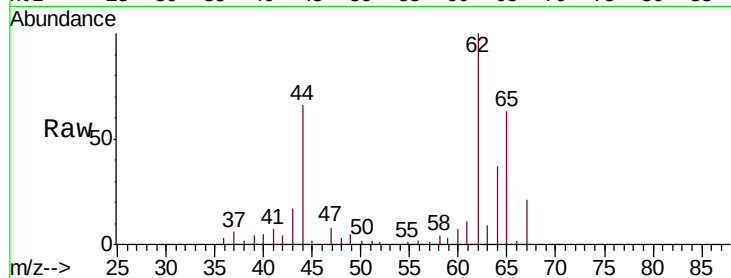
VSTD00132

Tgt Ion: 62 Resp: 10574

Ion Ratio Lower Upper

62 100

64 36.6 22.4 41.6



#6

Bromomethane

Concen: 0.946 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV015933.D

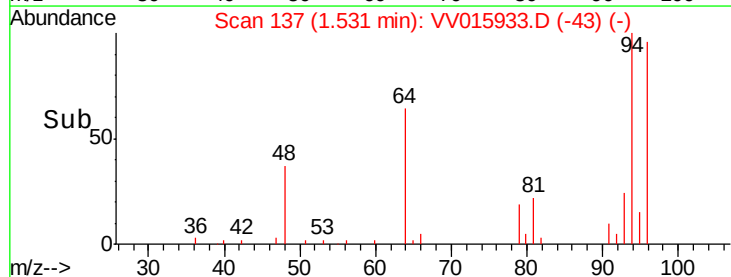
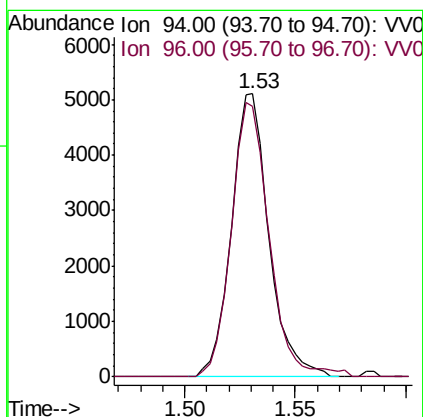
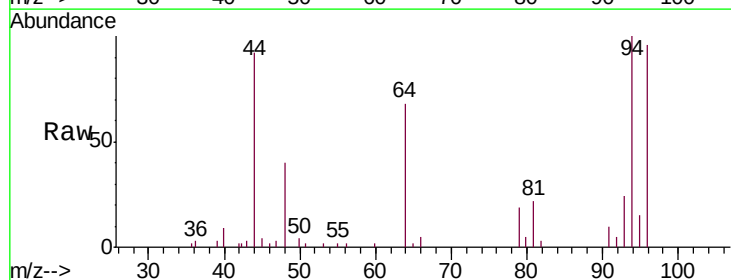
Acq: 07 May 2020 10:32

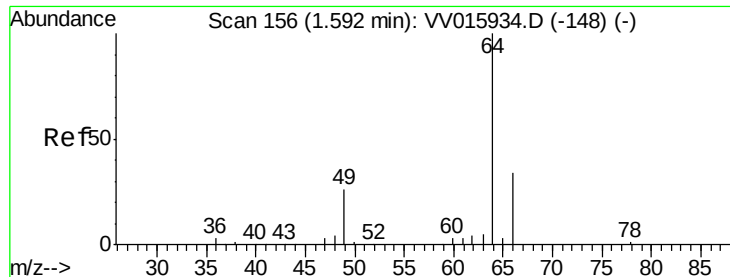
Tgt Ion: 94 Resp: 6025

Ion Ratio Lower Upper

94 100

96 95.7 65.4 121.4





#8

Chloroethane

Concen: 1.250 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.00 min

Lab File: VV015933.D

Acq: 07 May 2020 10:32

Instrument :

MSVOA_V

ClientSampleId :

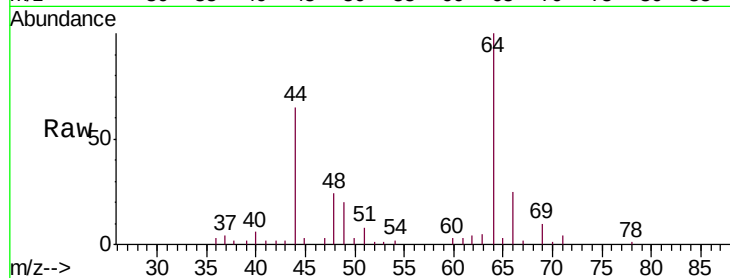
VSTD00132

Tgt Ion: 64 Resp: 8779

Ion Ratio Lower Upper

64 100

66 24.9 23.6 43.8



Abundance Ion 64.10 (63.80 to 64.80): VV015933.D (-148) (-)

Ion 66.05 (65.75 to 66.75): VV015933.D (-148) (-)

1.59

8000

6000

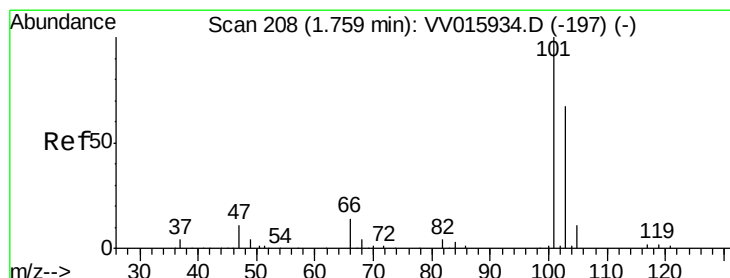
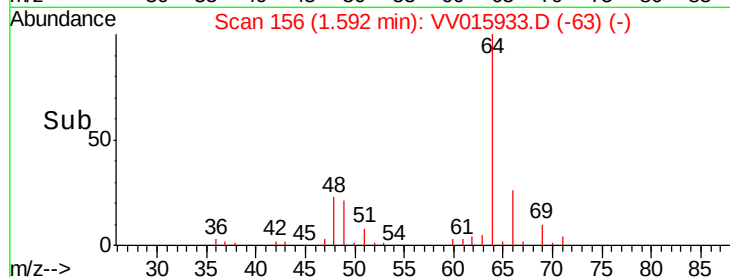
4000

2000

0

1.55 1.60 1.65

Time-->



#9

Trichlorofluoromethane

Concen: 0.959 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.00 min

Lab File: VV015933.D

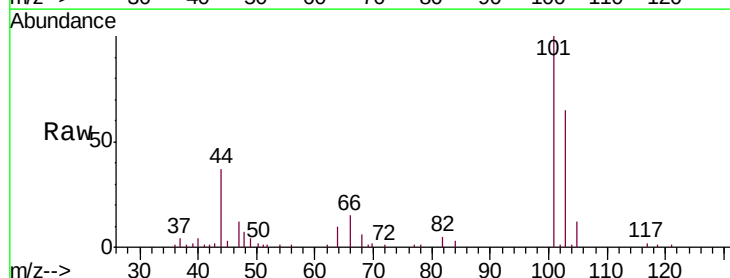
Acq: 07 May 2020 10:32

Tgt Ion: 101 Resp: 14831

Ion Ratio Lower Upper

101 100

103 65.0 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): VV015933.D (-197) (-)

Ion 103.00 (102.70 to 103.70): VV015933.D (-197) (-)

1.76

12000

10000

8000

6000

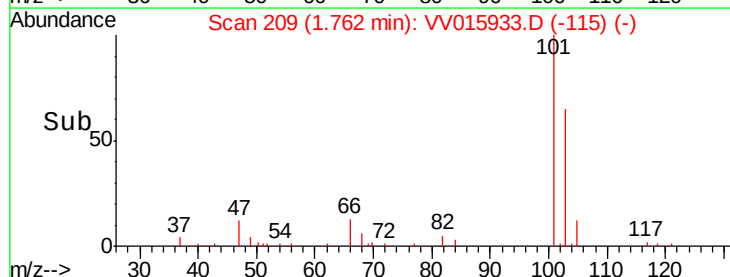
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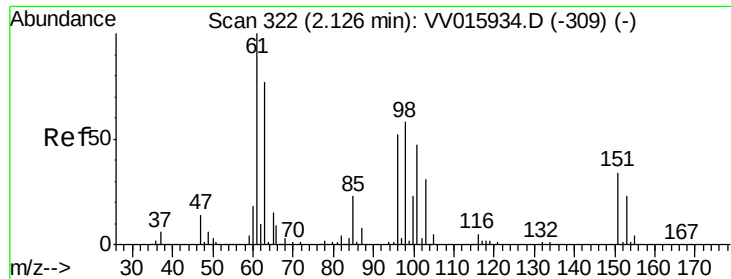
2000

0

1.70 1.75 1.80

Time-->





#10

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

Concen: 0.981 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV015933.D

Acq: 07 May 2020 10:32

Instrument :

MSVOA_V

ClientSampleId :

VSTD00132

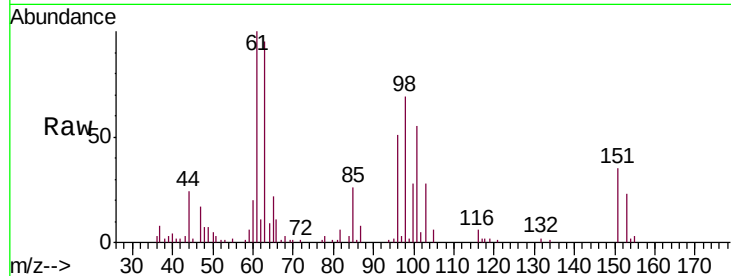
Tgt Ion: 101 Resp: 8609

Ion Ratio Lower Upper

101 100

85 45.9 35.7 53.5

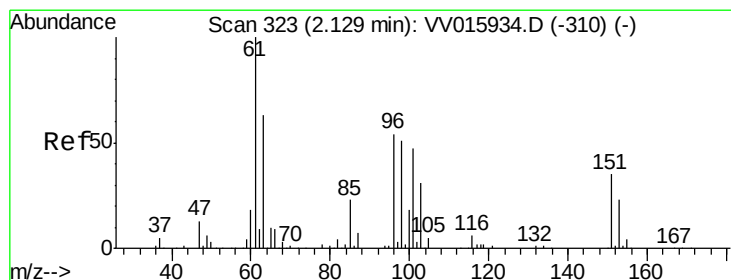
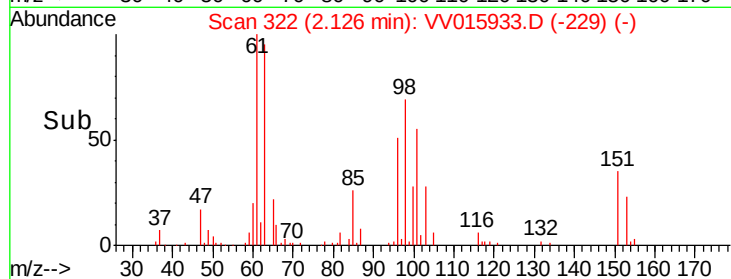
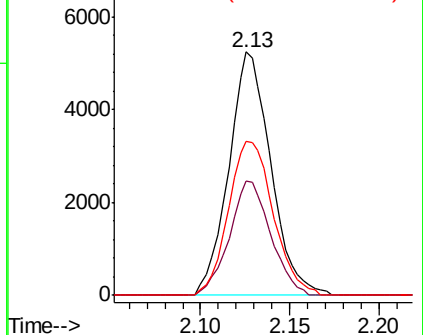
151 67.4 58.0 87.0



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: 0.902 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV015933.D

Acq: 07 May 2020 10:32

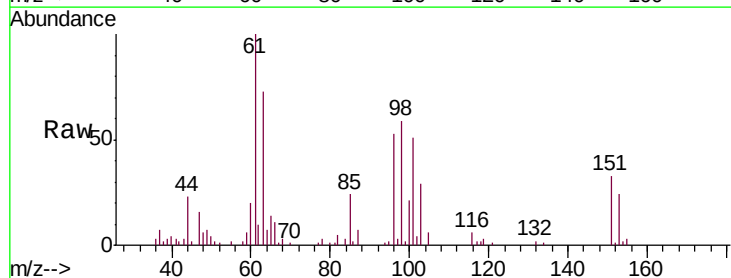
Tgt Ion: 96 Resp: 7639

Ion Ratio Lower Upper

96 100

61 188.7 139.9 259.7

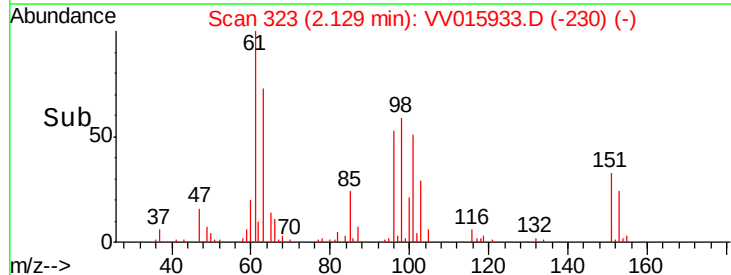
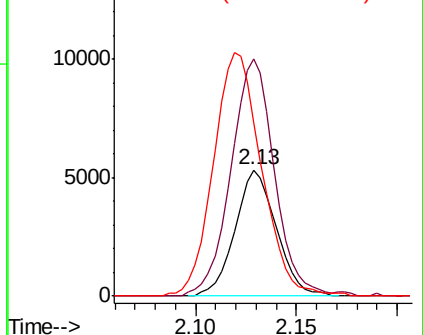
63 138.1 106.4 197.6

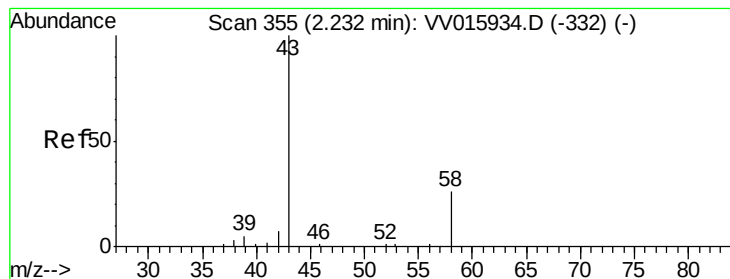


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 1.841 ug/L

RT: 2.47 min Scan# 429

Delta R.T. 0.24 min

Lab File: VV015933.D

Acq: 07 May 2020 10:32

Instrument :

MSVOA_V

ClientSampled :

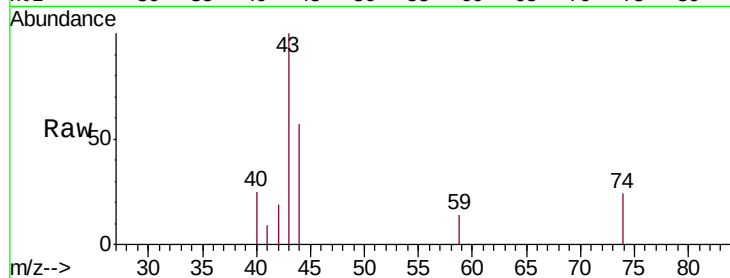
VSTD00132

Tgt Ion: 43 Resp: 2719

Ion Ratio Lower Upper

43 100

58 9.5 0.0 30.8



Abundance Ion 43.05 (42.75 to 43.75): VV015933.D (-262) (-)

Ion 58.05 (57.75 to 58.75): VV015933.D (-262) (-)

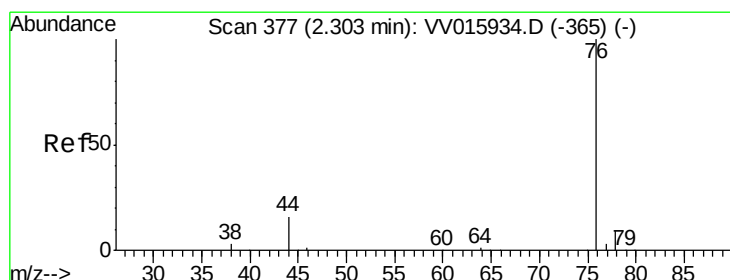
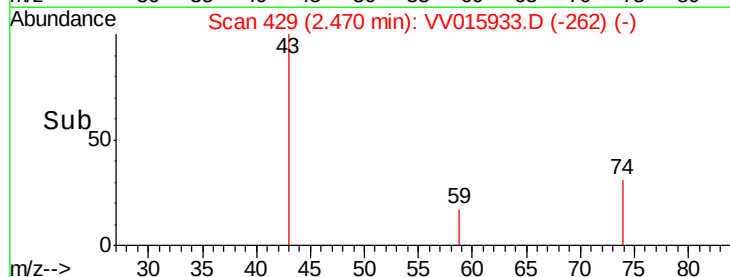
2.47

1000

500

0

Time--> 2.40 2.45 2.50



#14

Carbon disulfide

Concen: 0.918 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VV015933.D

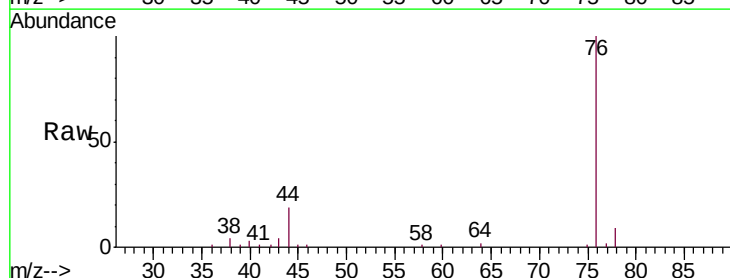
Acq: 07 May 2020 10:32

Tgt Ion: 76 Resp: 25198

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.6



Abundance Ion 76.05 (75.75 to 76.75): VV015933.D (-284) (-)

Ion 78.00 (77.70 to 78.70): VV015933.D (-284) (-)

2.31

20000

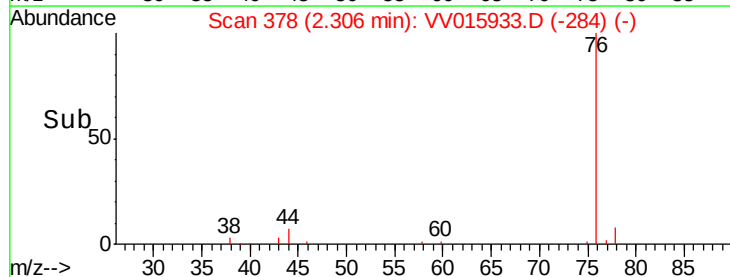
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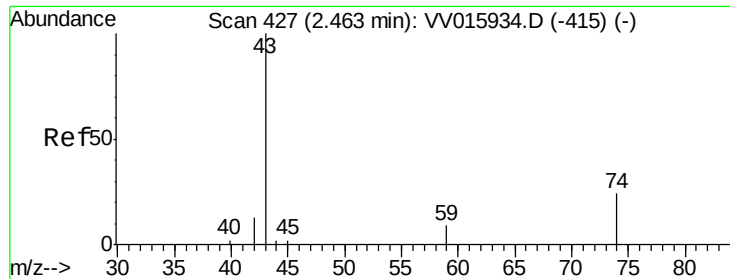
10000

5000

0

Time--> 2.25 2.30 2.35

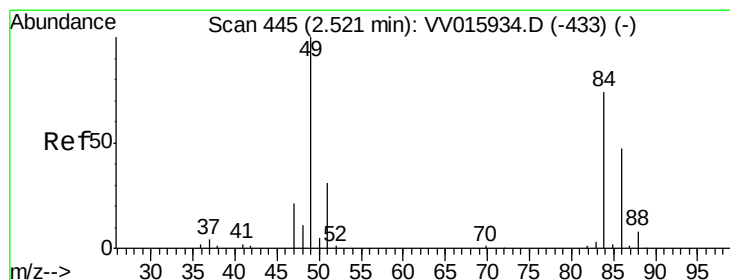
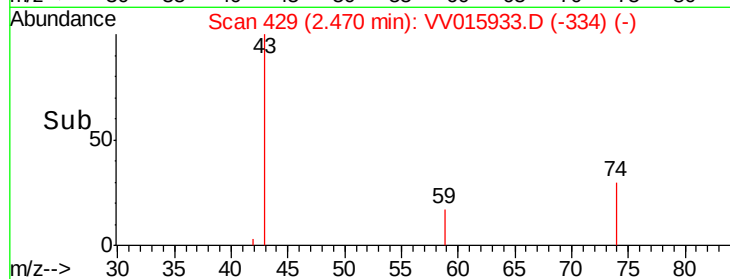
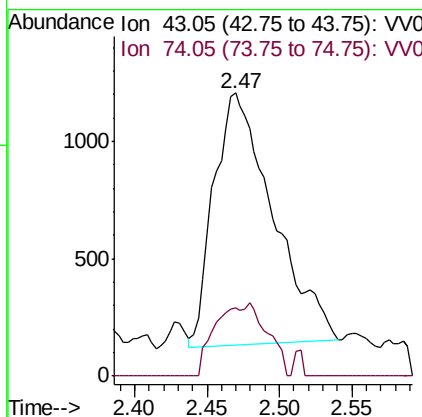
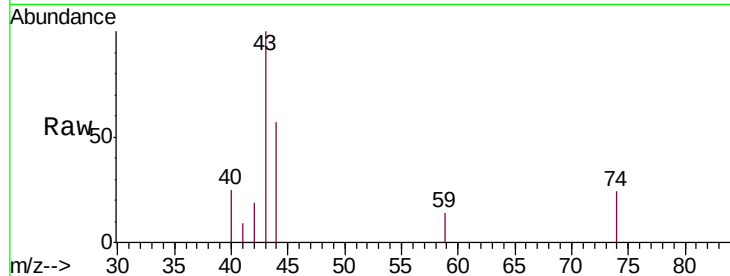




#15
Methyl Acetate
Concen: 0.887 ug/L
RT: 2.47 min Scan# 429
Delta R.T. 0.01 min
Lab File: VV015933.D
Acq: 07 May 2020 10:32

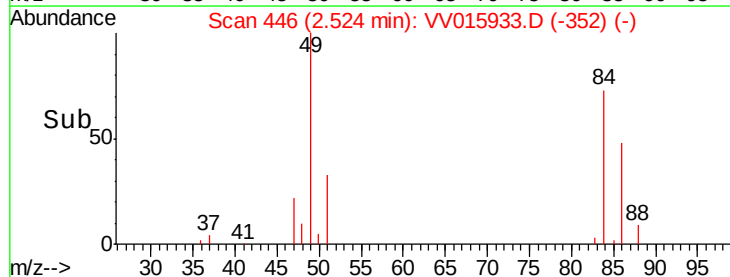
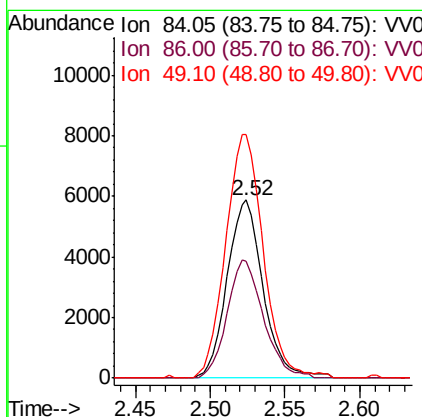
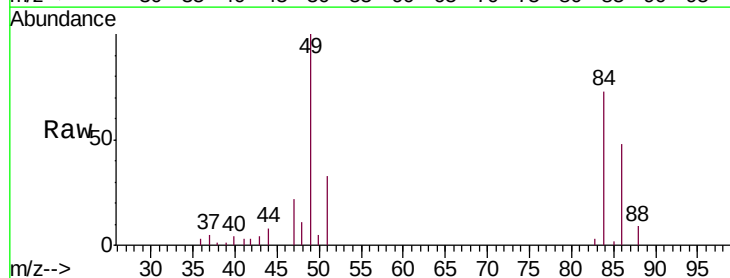
Instrument :
MSVOA_V
ClientSampled :
VSTD00132

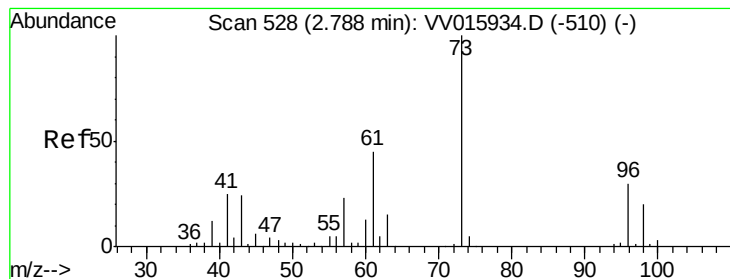
Tgt Ion: 43 Resp: 3054
Ion Ratio Lower Upper
43 100
74 13.1 19.2 28.8#



#16
Methylene chloride
Concen: 0.839 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV015933.D
Acq: 07 May 2020 10:32

Tgt Ion: 84 Resp: 9864
Ion Ratio Lower Upper
84 100
86 65.7 45.6 84.8
49 136.7 93.6 173.8



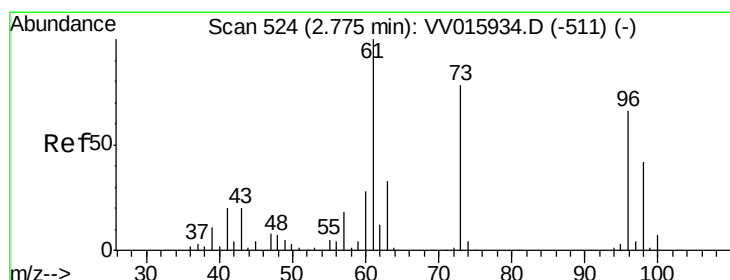
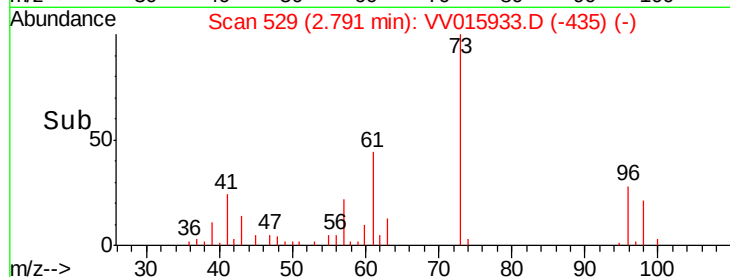
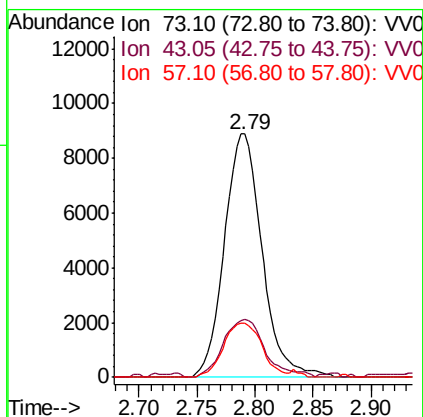
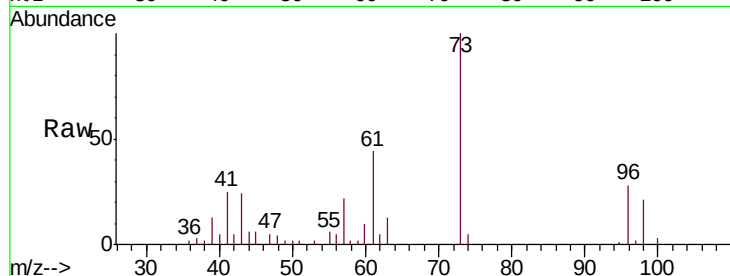


#17

Methyl tert-butyl Ether
 Concen: 0.906 ug/L
 RT: 2.79 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VV015933.D
 Acq: 07 May 2020 10:32

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00132

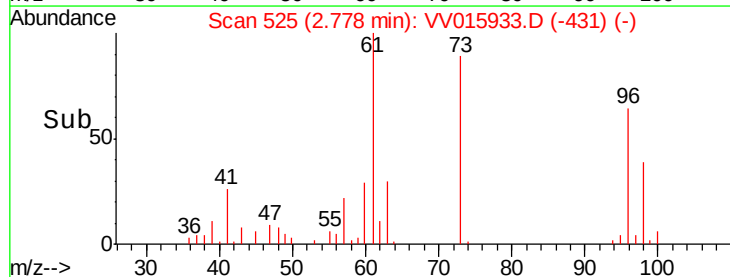
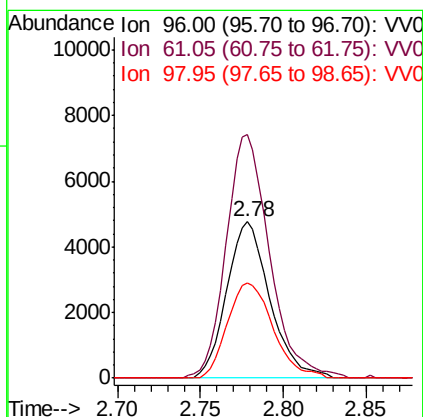
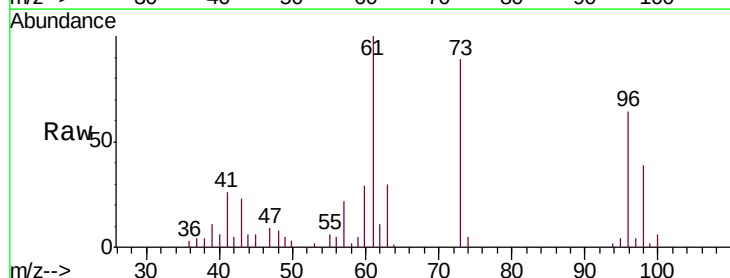
Tgt Ion:	73	Resp:	20078
Ion	Ratio	Lower	Upper
73	100		
43	25.9	18.8	28.2
57	22.9	17.8	26.6

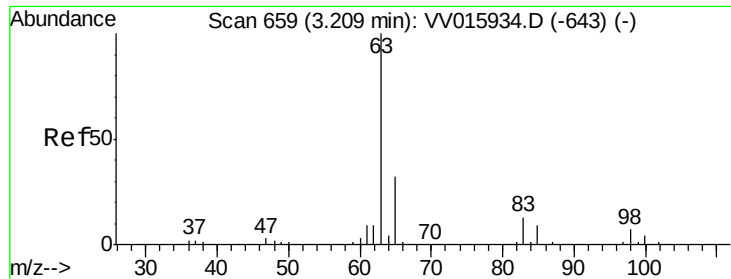


#18

trans-1,2-Dichloroethene
 Concen: 0.913 ug/L
 RT: 2.78 min Scan# 525
 Delta R.T. 0.00 min
 Lab File: VV015933.D
 Acq: 07 May 2020 10:32

Tgt Ion:	96	Resp:	8619
Ion	Ratio	Lower	Upper
96	100		
61	155.9	105.3	195.5
98	60.8	44.0	81.6

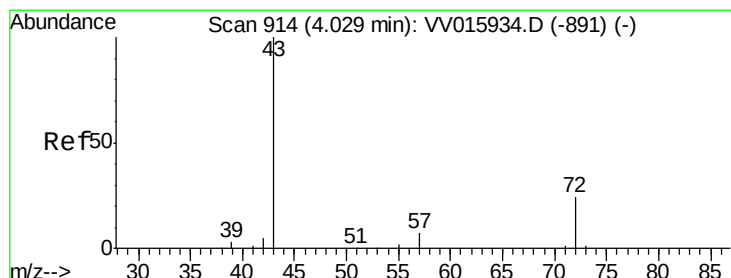
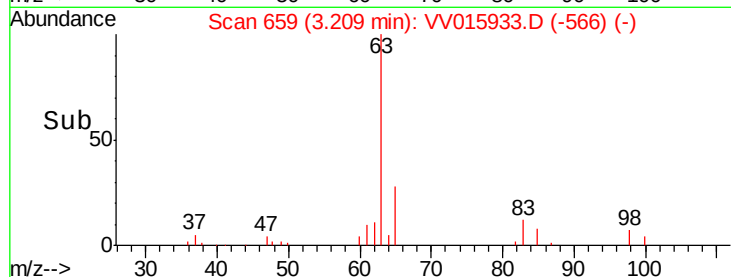
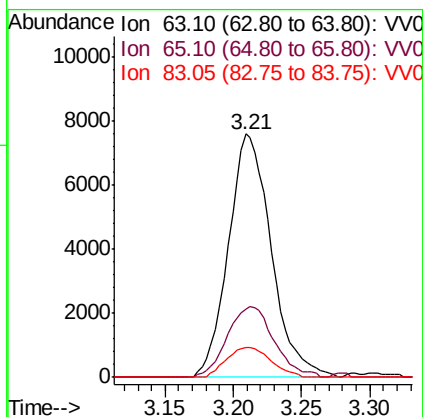
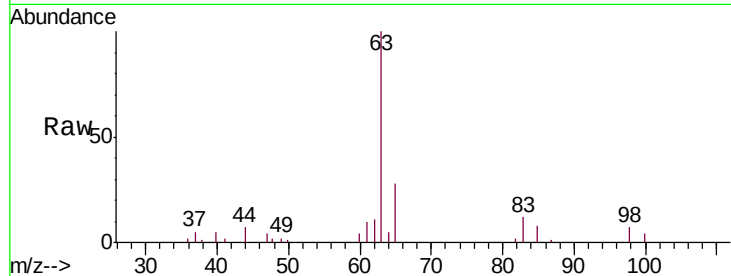




#19
 1,1-Dichloroethane
 Concen: 0.921 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VV015933.D
 Acq: 07 May 2020 10:32

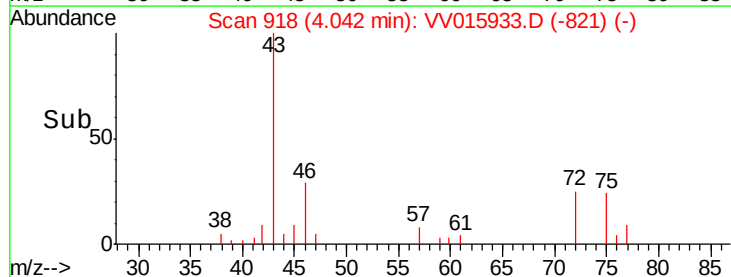
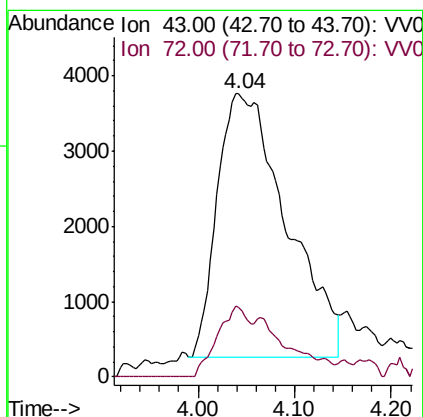
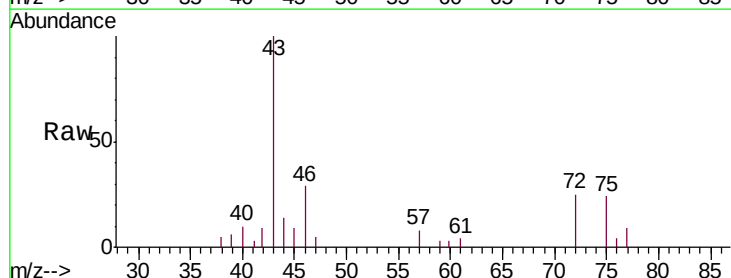
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00132

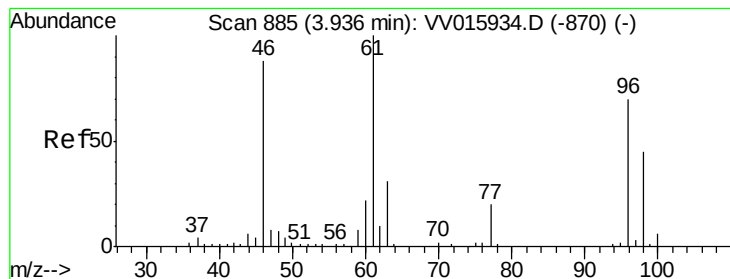
Tgt Ion: 63 Resp: 16599
 Ion Ratio Lower Upper
 63 100
 65 28.3 22.0 41.0
 83 12.4 9.8 18.2



#21
 2-Butanone
 Concen: 7.135 ug/L
 RT: 4.04 min Scan# 918
 Delta R.T. 0.01 min
 Lab File: VV015933.D
 Acq: 07 May 2020 10:32

Tgt Ion: 43 Resp: 17398
 Ion Ratio Lower Upper
 43 100
 72 12.0 10.5 31.5



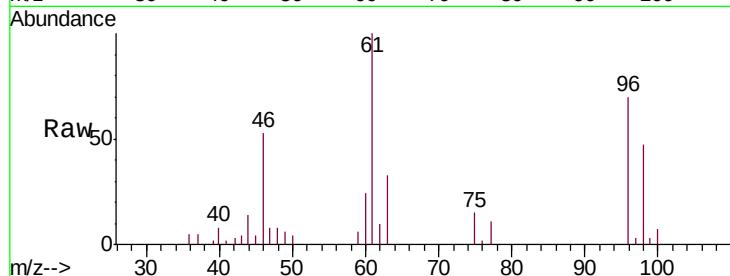


#22

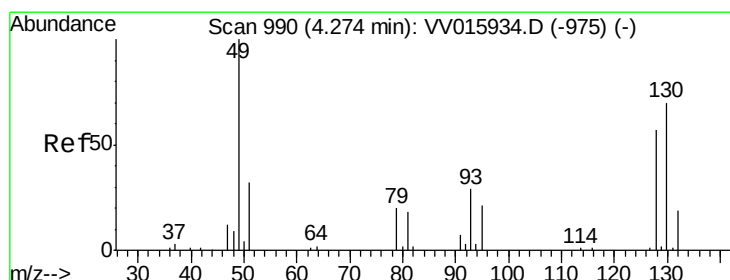
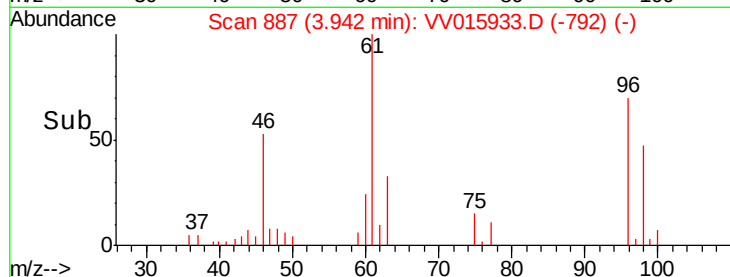
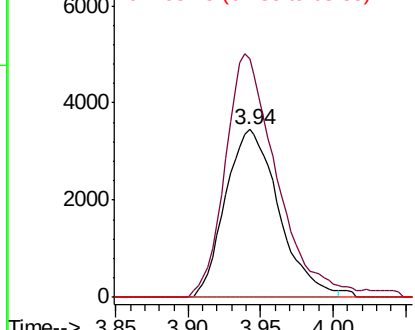
cis-1,2-Dichloroethene
 Concen: 0.900 ug/L
 RT: 3.94 min Scan# 887
 Delta R.T. 0.01 min
 Lab File: VV015933.D
 Acq: 07 May 2020 10:32

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00132

Tgt Ion: 96 Resp: 8857
 Ion Ratio Lower Upper
 96 100
 61 142.0 97.2 180.6
 68 0.0 0.0 0.0



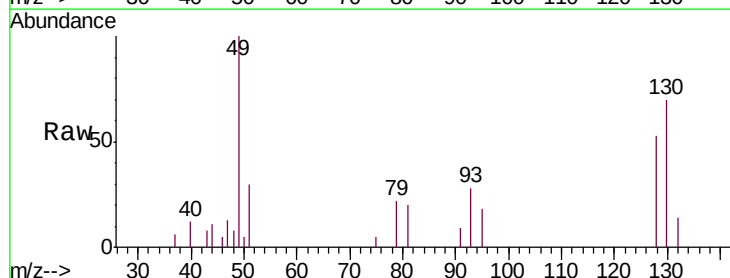
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



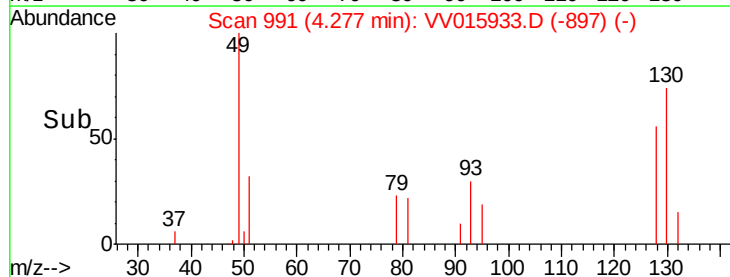
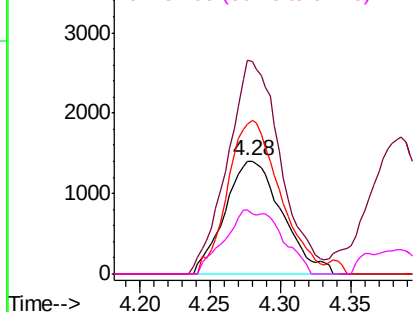
#23

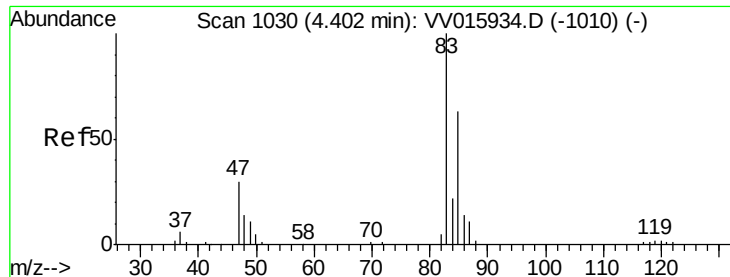
Bromochloromethane
 Concen: 0.963 ug/L
 RT: 4.28 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: VV015933.D
 Acq: 07 May 2020 10:32

Tgt Ion: 128 Resp: 3984
 Ion Ratio Lower Upper
 128 100
 49 188.6 131.3 243.8
 130 132.0 91.8 170.4
 51 56.9 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

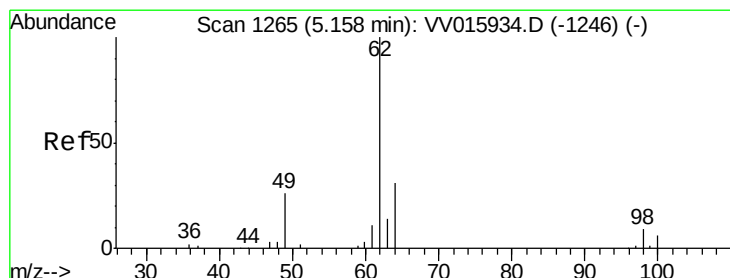
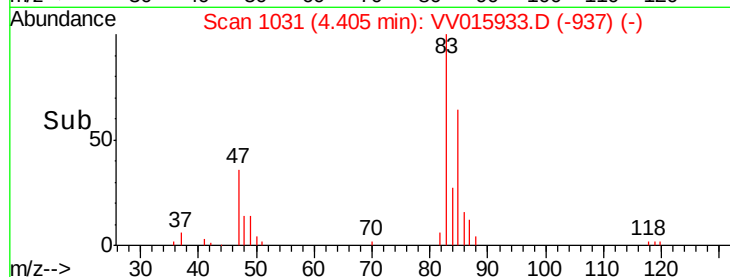
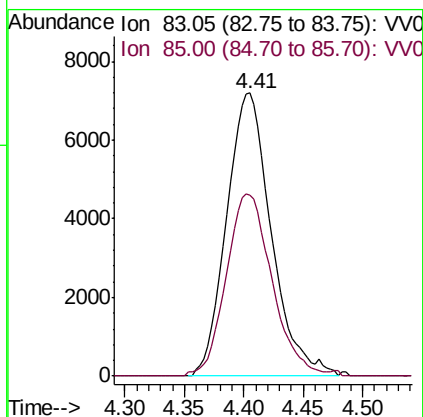
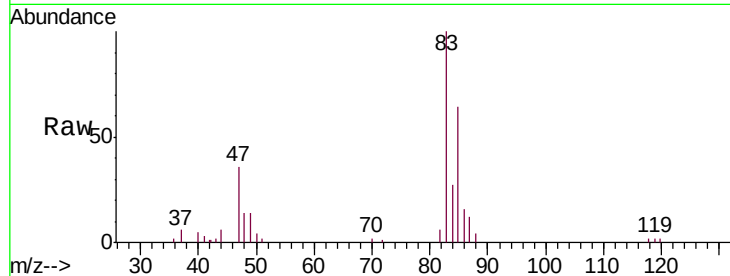




#25
Chloroform
Concen: 0.950 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV015933.D
Acq: 07 May 2020 10:32

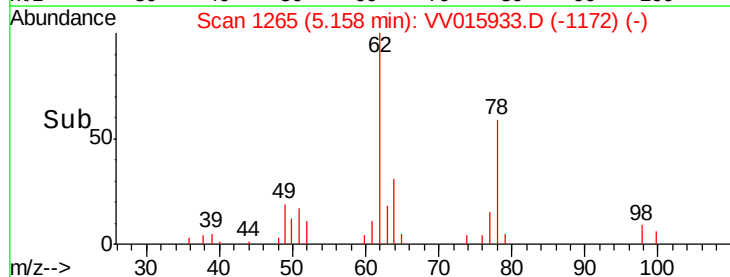
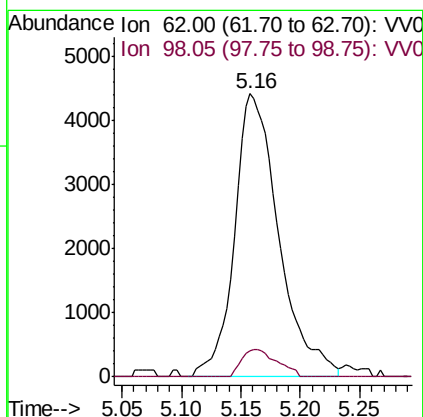
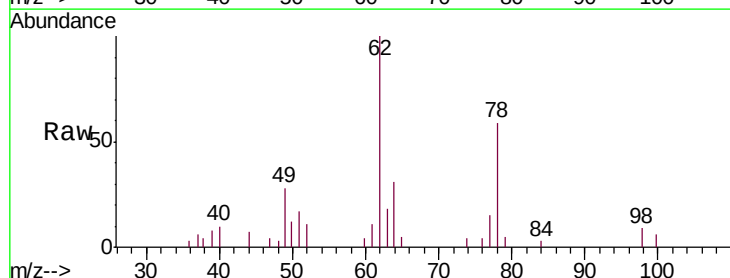
Instrument :
MSVOA_V
ClientSampleId :
VSTD00132

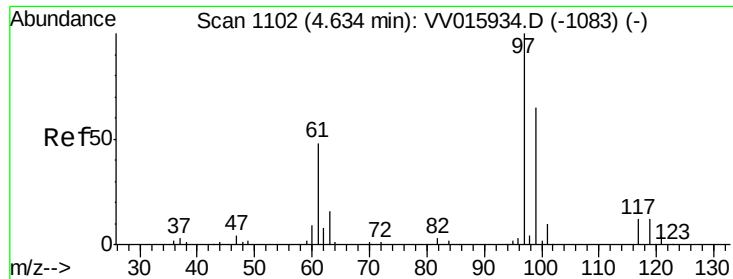
Tgt Ion: 83 Resp: 18704
Ion Ratio Lower Upper
83 100
85 63.8 45.7 84.9



#27
1,2-Dichloroethane
Concen: 0.945 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VV015933.D
Acq: 07 May 2020 10:32

Tgt Ion: 62 Resp: 11389
Ion Ratio Lower Upper
62 100
98 9.3 6.7 10.1

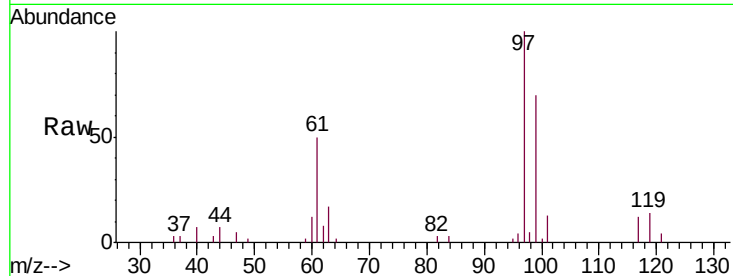




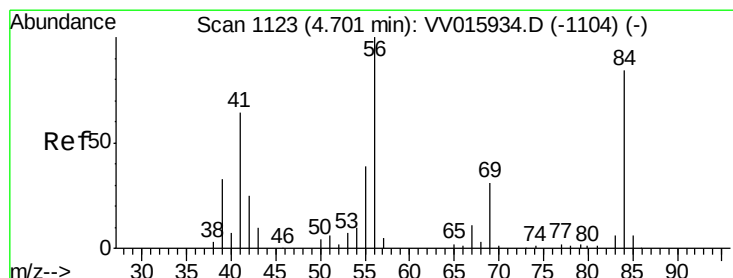
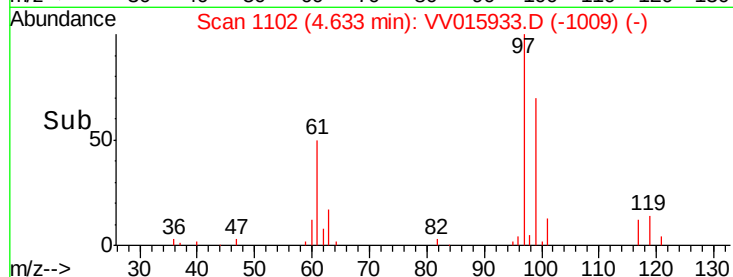
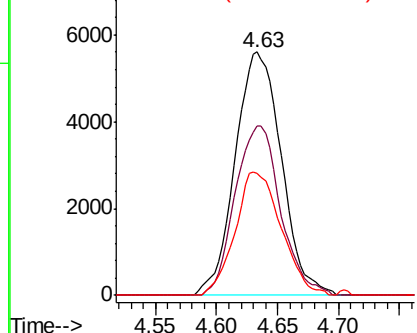
#29
 1,1,1-Trichloroethane
 Concen: 0.895 ug/L
 RT: 4.63 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VV015933.D
 Acq: 07 May 2020 10:32

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00132

Tgt Ion: 97 Resp: 14736
 Ion Ratio Lower Upper
 97 100
 99 68.3 50.7 76.1
 61 50.4 38.8 58.2

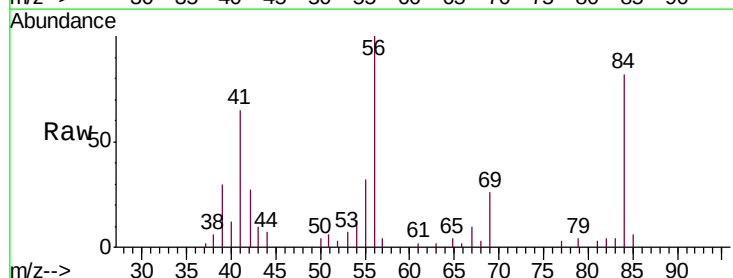


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

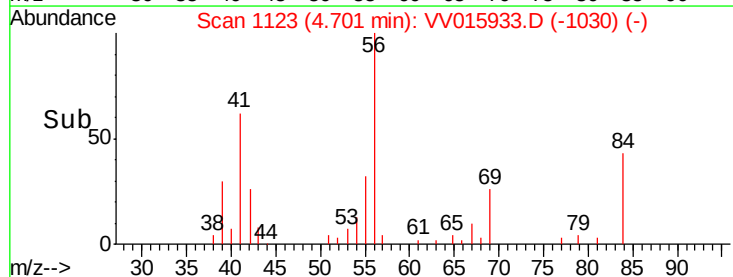
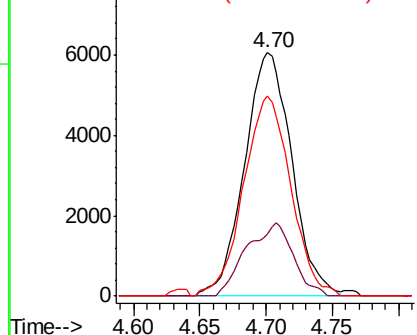


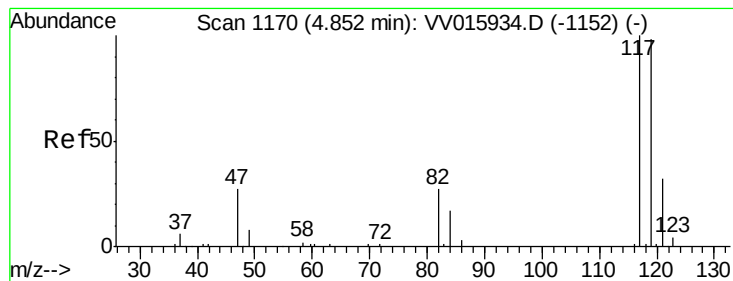
#30
 Cyclohexane
 Concen: 0.897 ug/L
 RT: 4.70 min Scan# 1123
 Delta R.T. -0.00 min
 Lab File: VV015933.D
 Acq: 07 May 2020 10:32

Tgt Ion: 56 Resp: 15060
 Ion Ratio Lower Upper
 56 100
 69 29.7 24.2 36.2
 84 82.0 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: 0.892 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV015933.D

Acq: 07 May 2020 10:32

Instrument :

MSVOA_V

ClientSampleId :

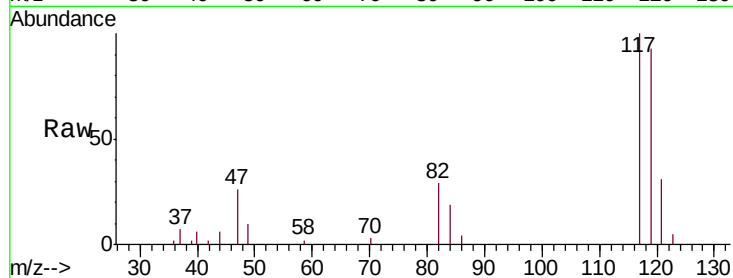
VSTD00132

Tgt Ion:117 Resp: 12615

Ion Ratio Lower Upper

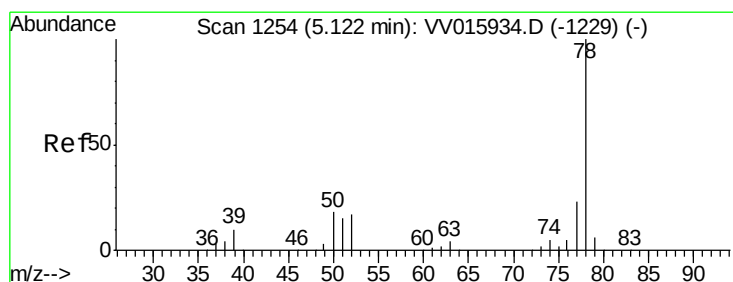
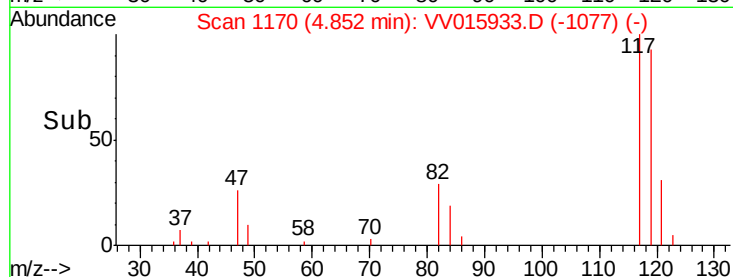
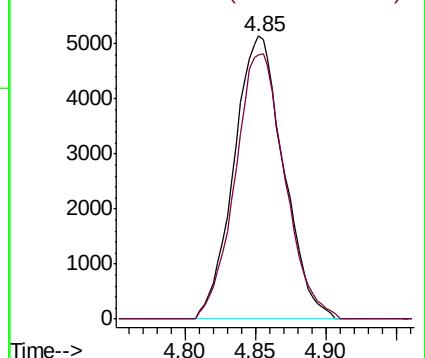
117 100

119 94.2 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

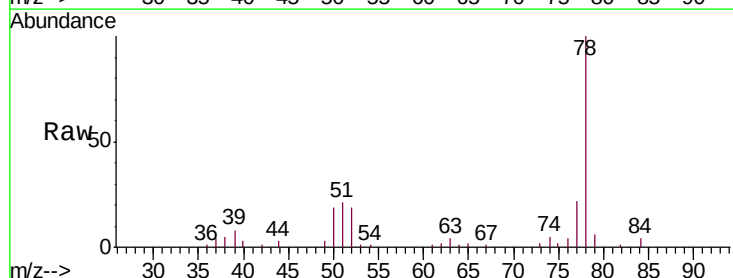
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

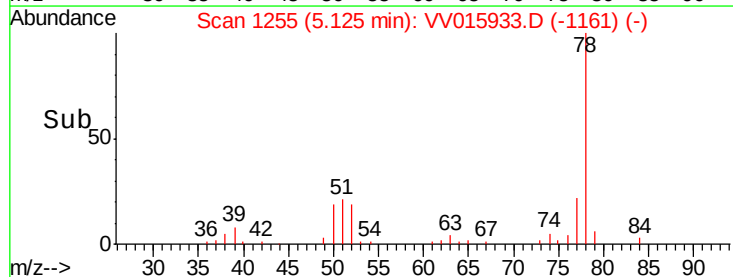
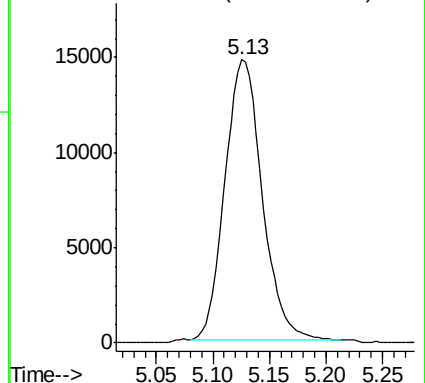
Lab File: VV015933.D

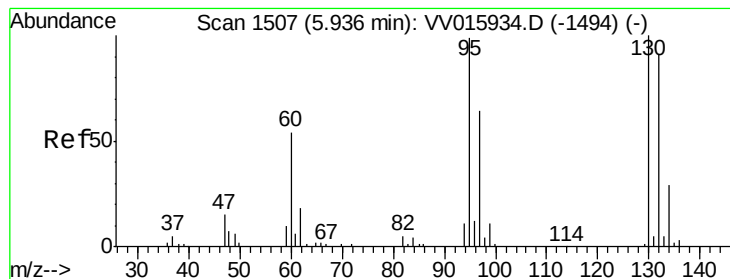
Acq: 07 May 2020 10:32

Tgt Ion: 78 Resp: 33722



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 0.984 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VV015933.D

Acq: 07 May 2020 10:32

Instrument :

MSVOA_V

ClientSampleId :

VSTD00132

Tgt Ion: 95 Resp: 10155

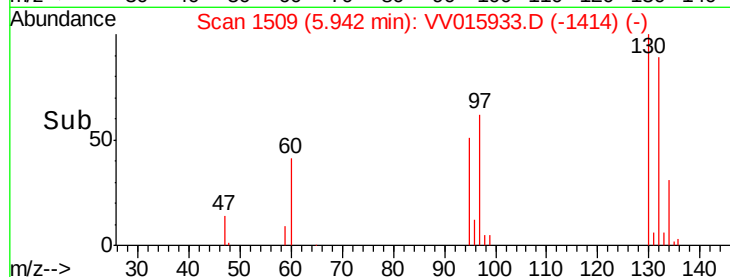
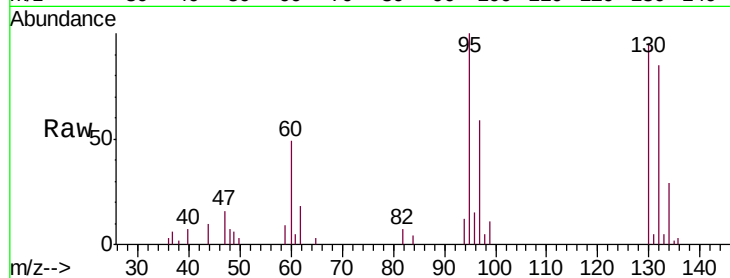
Ion Ratio Lower Upper

95 100

97 59.3 43.3 80.5

132 84.8 60.3 112.1

130 95.3 66.0 122.6

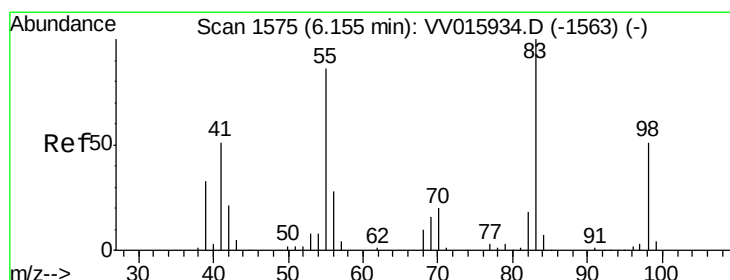
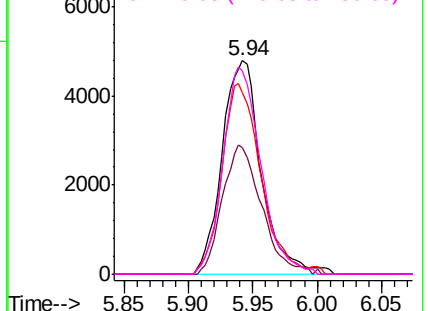


Abundance Ion 95.00 (94.70 to 95.70): VV015933.D (-1414) (-)

Ion 96.95 (96.65 to 97.65): VV015933.D (-1414) (-)

Ion 131.95 (131.65 to 132.65): VV015933.D (-1414) (-)

Ion 129.95 (129.65 to 130.65): VV015933.D (-1414) (-)



#35

Methylcyclohexane

Concen: 0.882 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VV015933.D

Acq: 07 May 2020 10:32

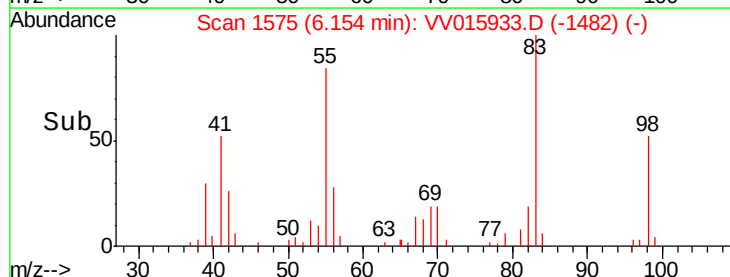
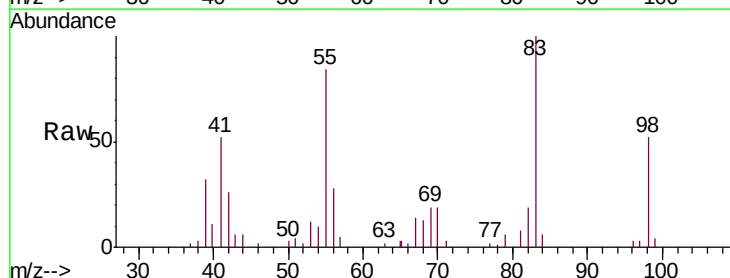
Tgt Ion: 83 Resp: 14780

Ion Ratio Lower Upper

83 100

55 86.3 66.2 99.2

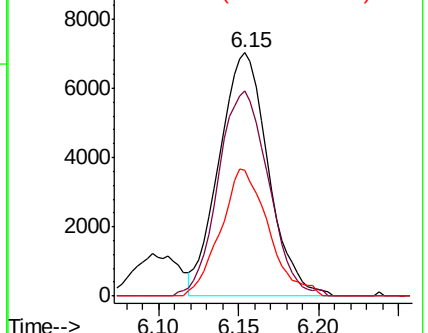
98 51.0 37.9 56.9

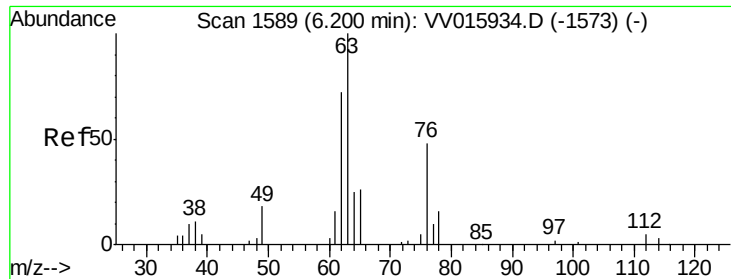


Abundance Ion 83.15 (82.85 to 83.85): VV015933.D (-1482) (-)

Ion 55.10 (54.80 to 55.80): VV015933.D (-1482) (-)

Ion 98.15 (97.85 to 98.85): VV015933.D (-1482) (-)

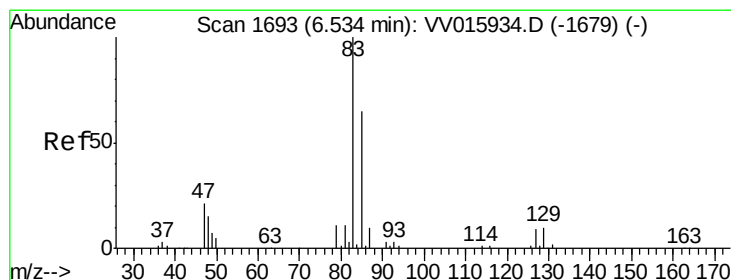
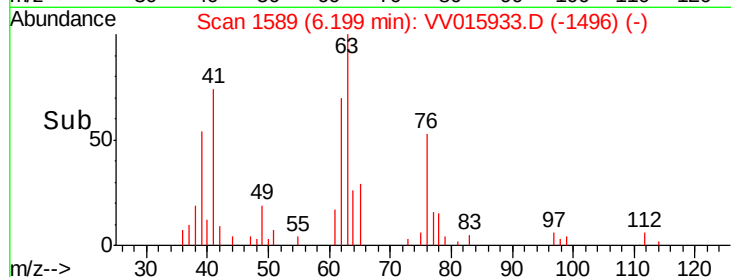
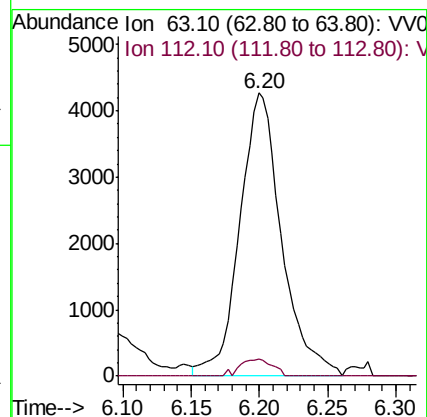
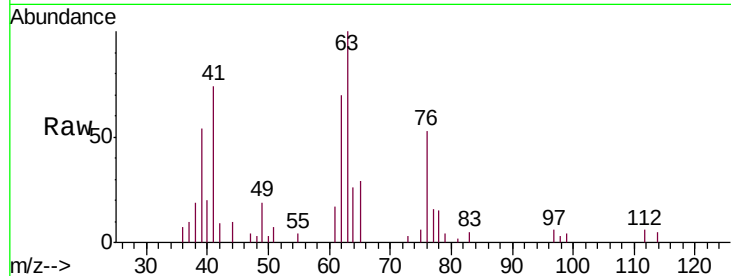




#37
 1,2-Dichloropropane
 Concen: 0.971 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. -0.00 min
 Lab File: VV015933.D
 Acq: 07 May 2020 10:32

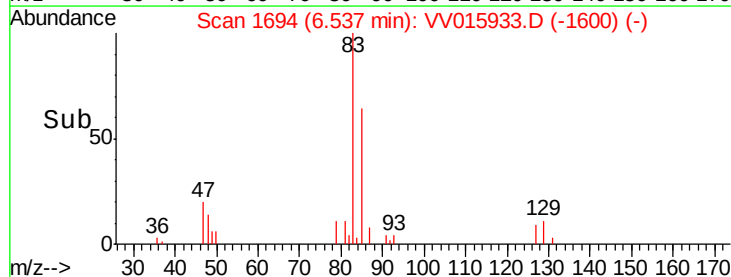
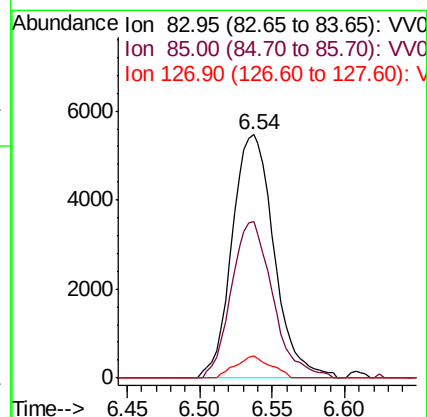
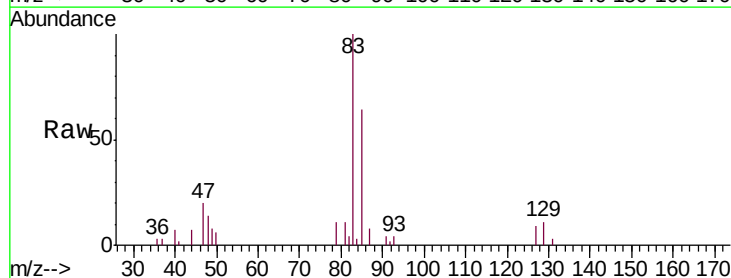
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00132

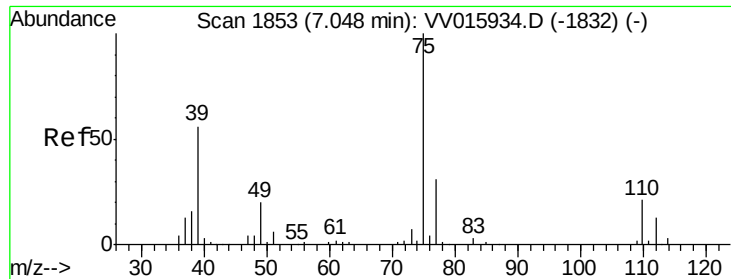
Tgt Ion: 63 Resp: 9096
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.4 5.0



#38
 Bromodichloromethane
 Concen: 0.924 ug/L
 RT: 6.54 min Scan# 1694
 Delta R.T. 0.00 min
 Lab File: VV015933.D
 Acq: 07 May 2020 10:32

Tgt Ion: 83 Resp: 11000
 Ion Ratio Lower Upper
 83 100
 85 64.3 45.5 84.5
 127 8.9 6.2 9.4

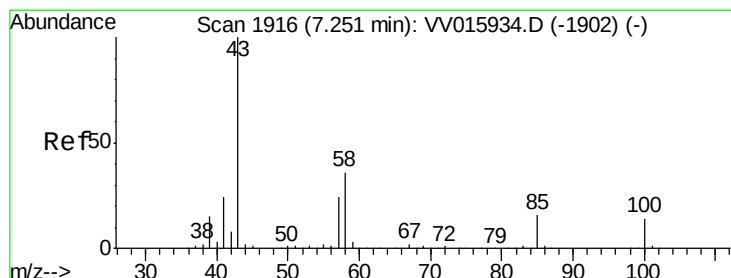
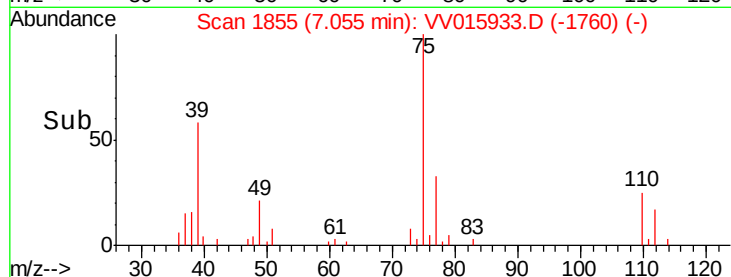
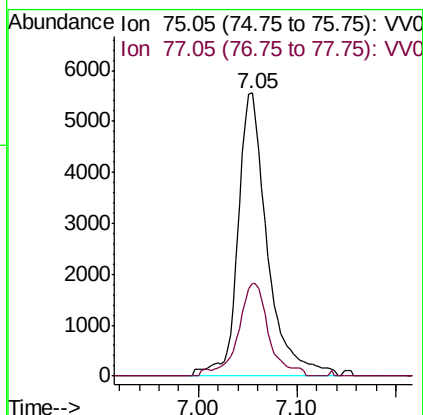
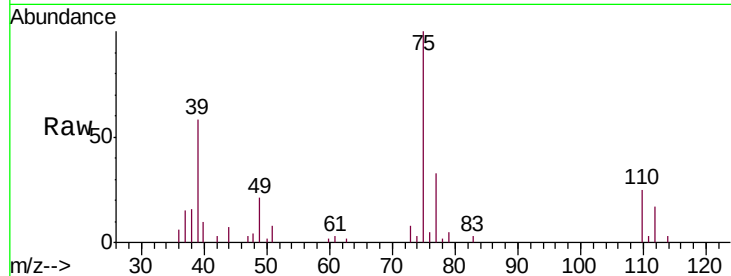




#39
 cis-1,3-Dichloropropene
 Concen: 0.863 ug/L
 RT: 7.05 min Scan# 1855
 Delta R.T. 0.01 min
 Lab File: VV015933.D
 Acq: 07 May 2020 10:32

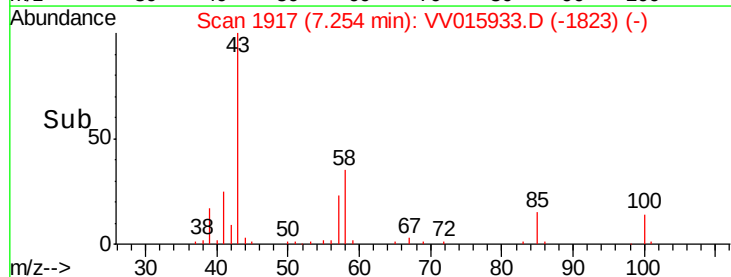
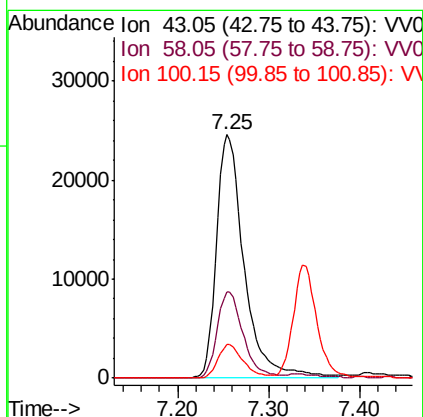
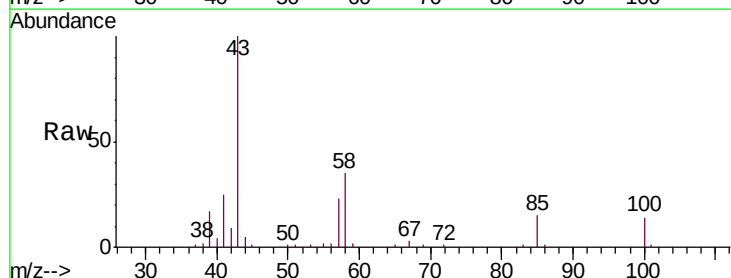
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00132

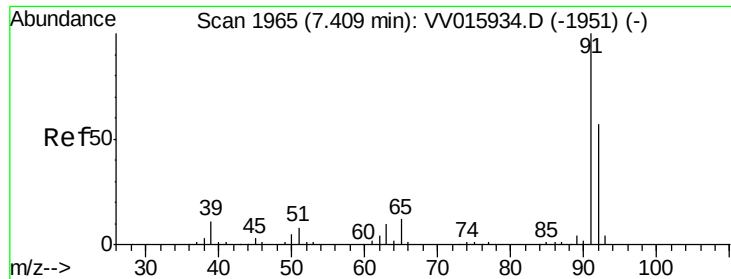
Tgt Ion: 75 Resp: 11498
 Ion Ratio Lower Upper
 75 100
 77 32.8 21.3 39.5



#40
 4-Methyl-2-pentanone
 Concen: 8.714 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VV015933.D
 Acq: 07 May 2020 10:32

Tgt Ion: 43 Resp: 52149
 Ion Ratio Lower Upper
 43 100
 58 33.2 29.0 43.4
 100 12.7 10.9 16.3





#42

Toluene

Concen: 0.856 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV015933.D

Acq: 07 May 2020 10:32

Instrument :

MSVOA_V

ClientSampleId :

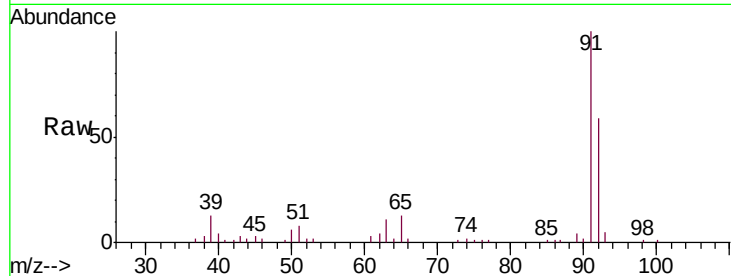
VSTD00132

Tgt Ion: 91 Resp: 34473

Ion Ratio Lower Upper

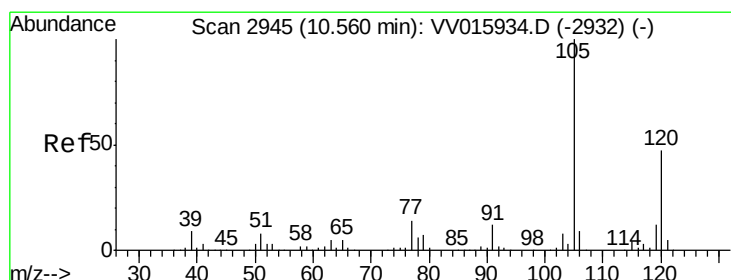
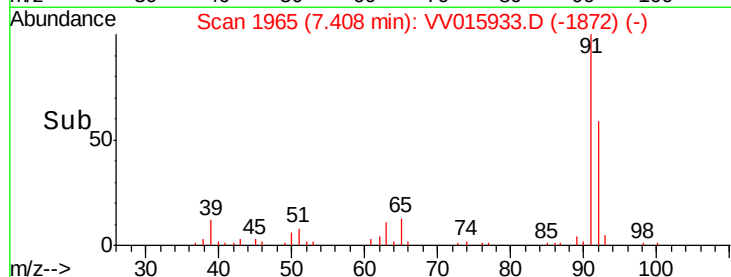
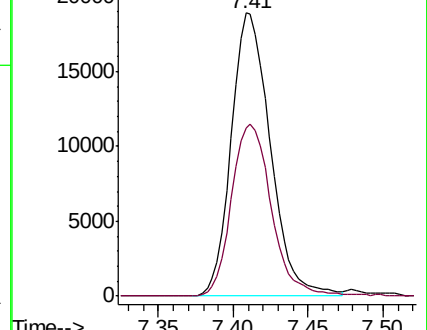
91 100

92 59.4 40.1 74.5



Abundance Ion 91.15 (90.85 to 91.85): VV015933.D (-1951) (-)

Ion 92.15 (91.85 to 92.85): VV015933.D (-1951) (-)



#43

1,3,5-Trimethylbenzene

Concen: 0.802 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. -0.00 min

Lab File: VV015933.D

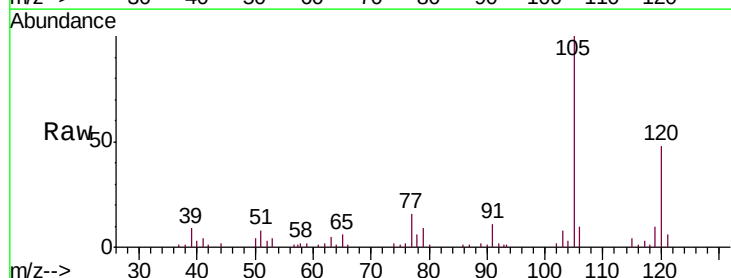
Acq: 07 May 2020 10:32

Tgt Ion: 105 Resp: 29894

Ion Ratio Lower Upper

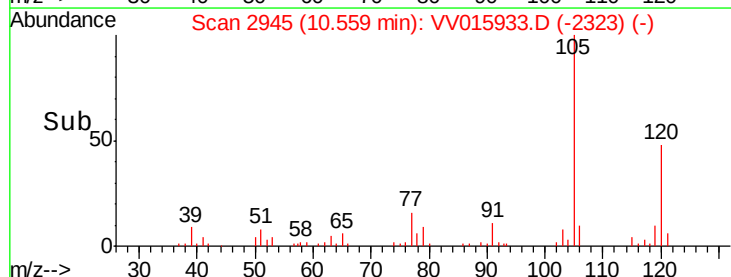
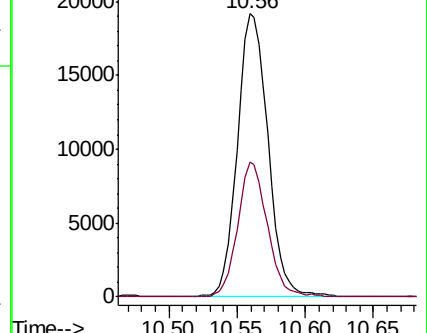
105 100

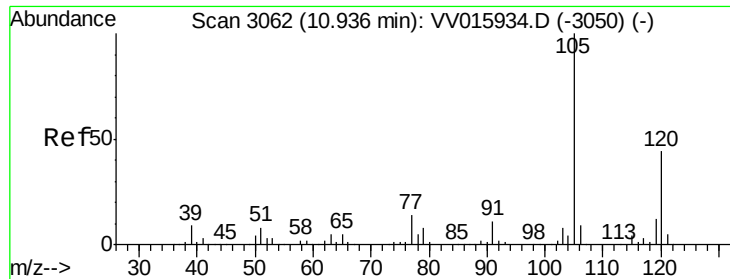
120 46.1 0.0 0.0#



Abundance Ion 105.00 (104.70 to 105.70): VV015933.D (-2932) (-)

Ion 120.00 (119.70 to 120.70): VV015933.D (-2932) (-)

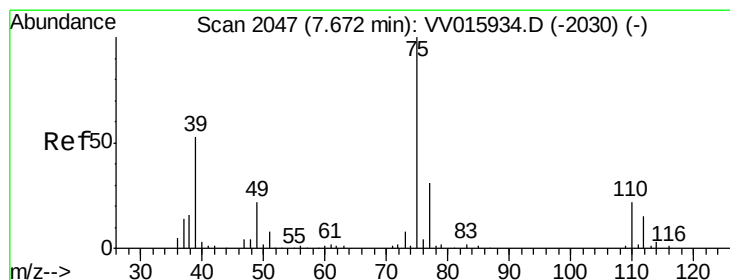
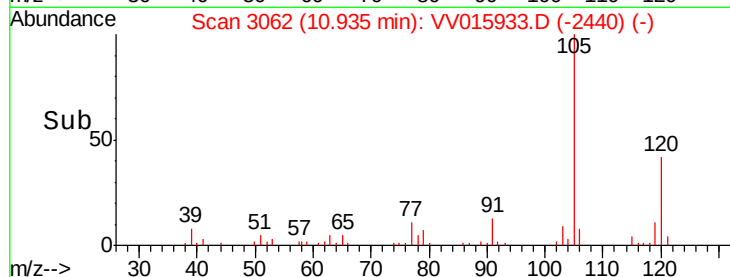
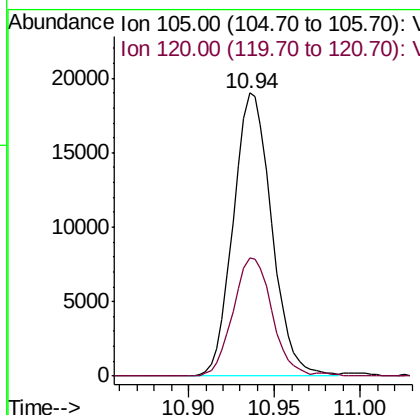
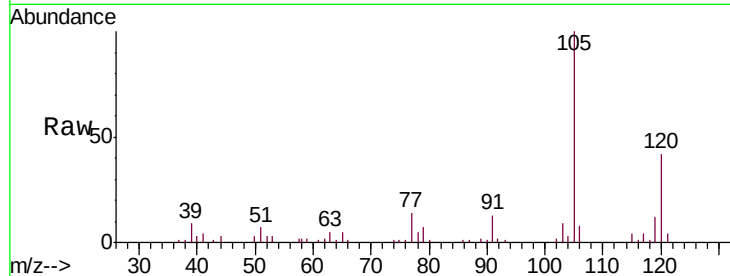




#44
1,2,4-Trimethylbenzene
Concen: 0.783 ug/L
RT: 10.94 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VV015933.D
Acq: 07 May 2020 10:32

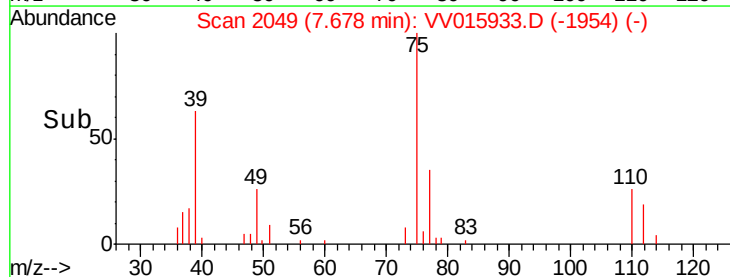
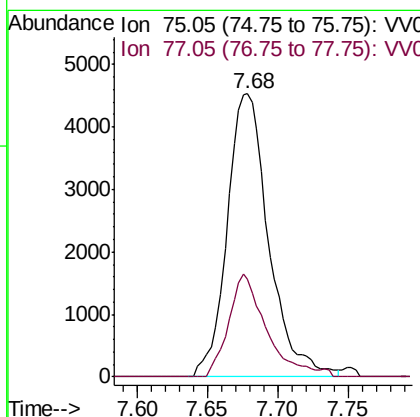
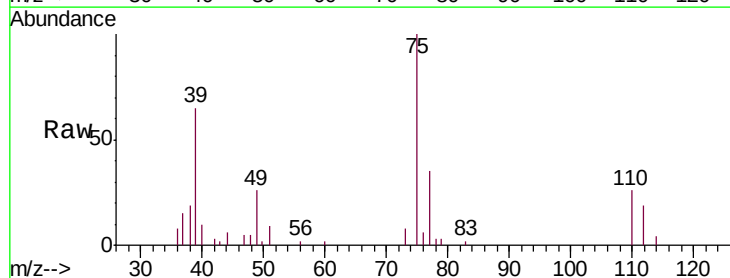
Instrument :
MSVOA_V
ClientSampleId :
VSTD00132

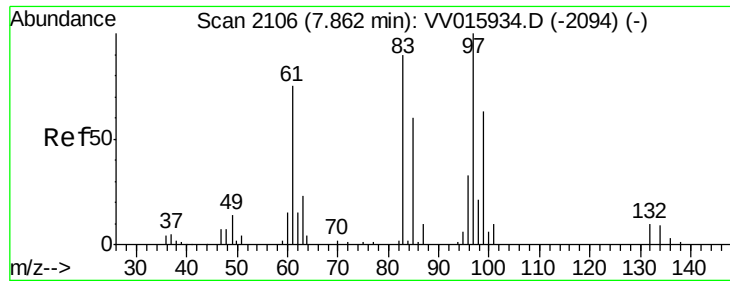
Tgt Ion:105 Resp: 29544
Ion Ratio Lower Upper
105 100
120 42.2 0.0 0.0#



#46
trans-1,3-Dichloropropene
Concen: 0.830 ug/L
RT: 7.68 min Scan# 2049
Delta R.T. 0.01 min
Lab File: VV015933.D
Acq: 07 May 2020 10:32

Tgt Ion: 75 Resp: 9343
Ion Ratio Lower Upper
75 100
77 34.5 21.3 39.6

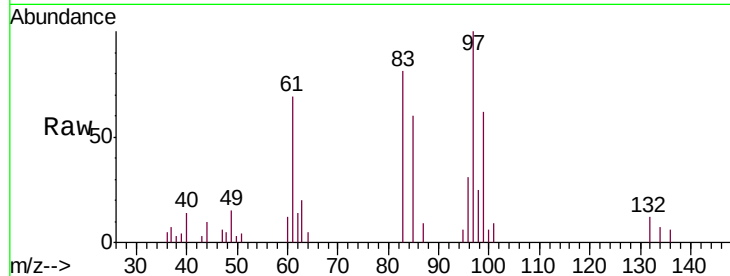




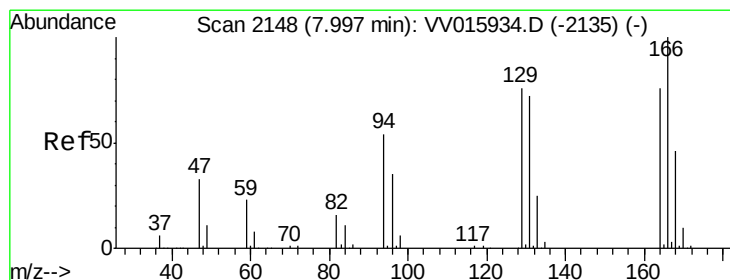
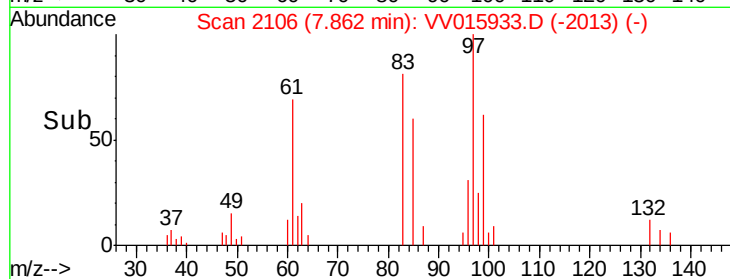
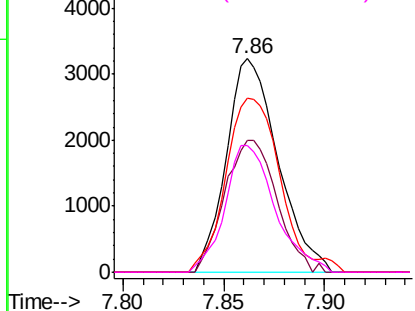
#47
 1,1,2-Trichloroethane
 Concen: 0.918 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. -0.00 min
 Lab File: VV015933.D
 Acq: 07 May 2020 10:32

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00132

Tgt Ion:	97	Resp:	5784
Ion	Ratio	Lower	Upper
97	100		
99	61.9	42.1	78.1
83	81.3	59.2	110.0
85	59.5	38.6	71.8

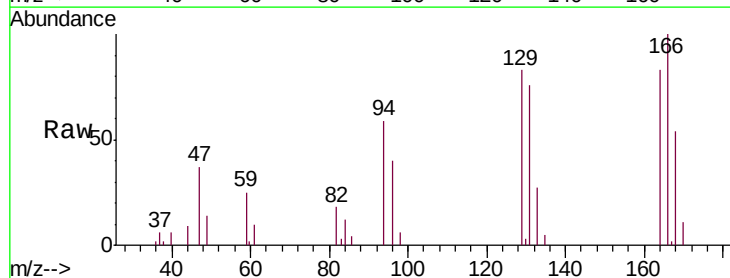


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

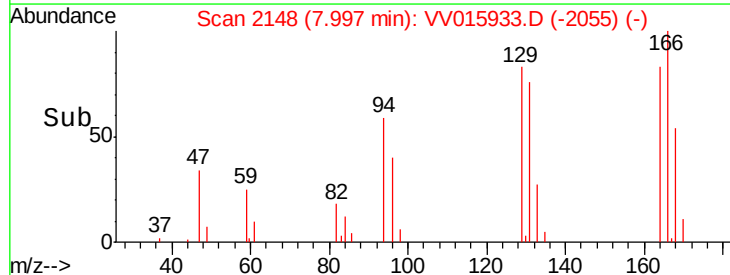
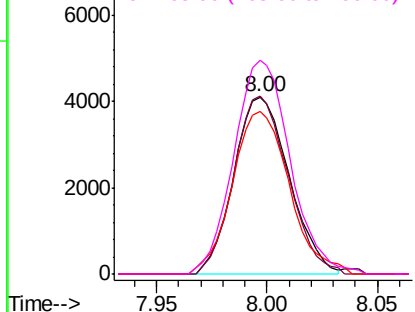


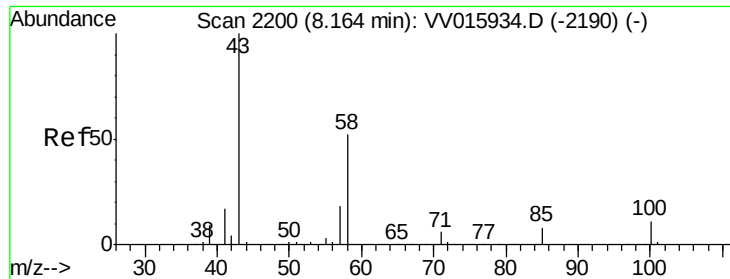
#49
 Tetrachloroethene
 Concen: 0.937 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VV015933.D
 Acq: 07 May 2020 10:32

Tgt Ion:	164	Resp:	7168
Ion	Ratio	Lower	Upper
164	100		
129	100.2	69.7	129.4
131	91.8	66.8	124.2
166	120.6	89.1	165.5



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

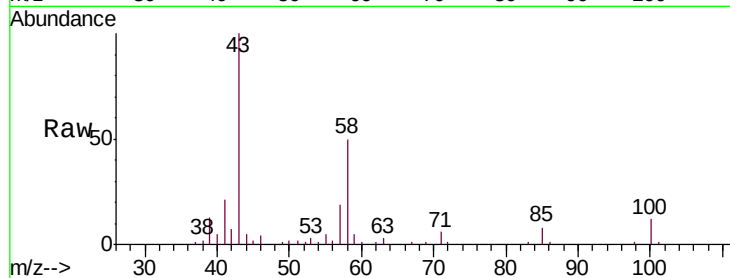




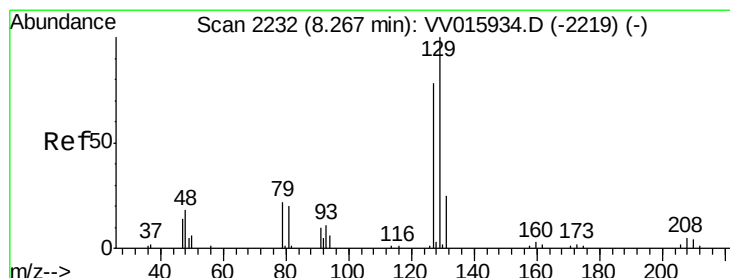
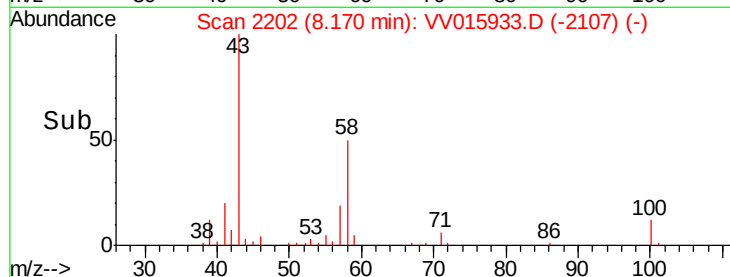
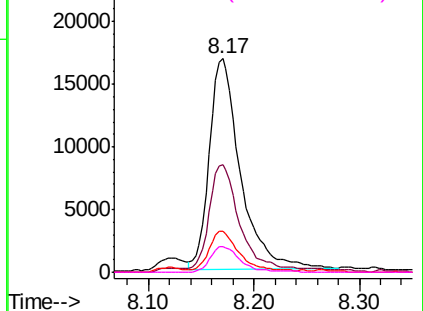
#50
2-Hexanone
Concen: 8.215 ug/L
RT: 8.17 min Scan# 2202
Delta R.T. 0.01 min
Lab File: VV015933.D
Acq: 07 May 2020 10:32

Instrument :
MSVOA_V
ClientSampleId :
VSTD00132

Tgt Ion:	43	Resp:	34575
Ion	Ratio	Lower	Upper
43	100		
58	48.5	40.8	61.2
57	17.9	14.7	22.1
100	11.6	9.0	13.6

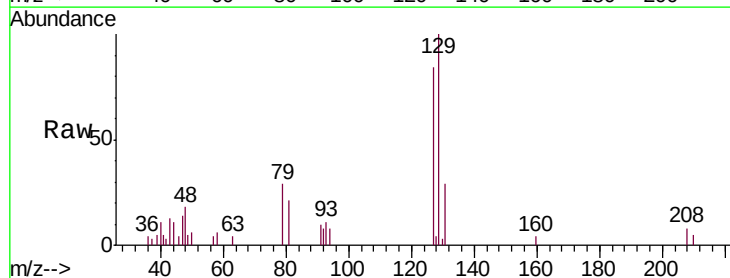


Abundance Ion 43.05 (42.75 to 43.75): VV015933.D (-2107) (-)
Ion 58.05 (57.75 to 58.75): VV015933.D (-2107) (-)
Ion 57.20 (56.90 to 57.90): VV015933.D (-2107) (-)
Ion 100.15 (99.85 to 100.85): VV015933.D (-2107) (-)

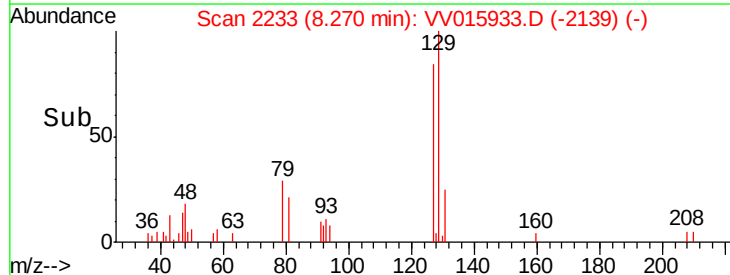
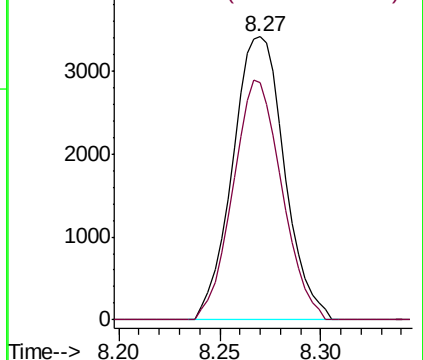


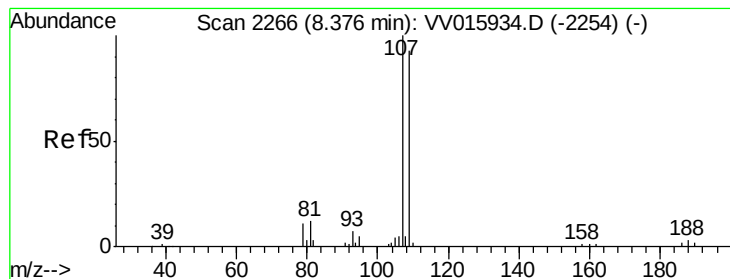
#51
Dibromochloromethane
Concen: 0.885 ug/L
RT: 8.27 min Scan# 2233
Delta R.T. 0.00 min
Lab File: VV015933.D
Acq: 07 May 2020 10:32

Tgt Ion:	129	Resp:	6138
Ion	Ratio	Lower	Upper
129	100		
127	83.9	56.0	104.0



Abundance Ion 128.95 (128.65 to 129.65): VV015933.D (-2139) (-)
Ion 126.90 (126.60 to 127.60): VV015933.D (-2139) (-)





#52

1,2-Dibromoethane

Concen: 0.892 ug/L

RT: 8.38 min Scan# 2266

Delta R.T. -0.00 min

Lab File: VV015933.D

Acq: 07 May 2020 10:32

Instrument :

MSVOA_V

ClientSampleId :

VSTD00132

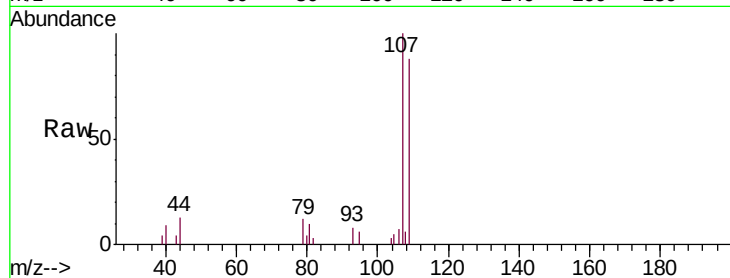
Tgt Ion:107 Resp: 5381

Ion Ratio Lower Upper

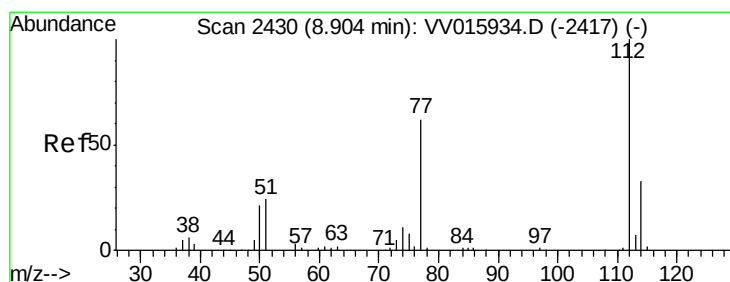
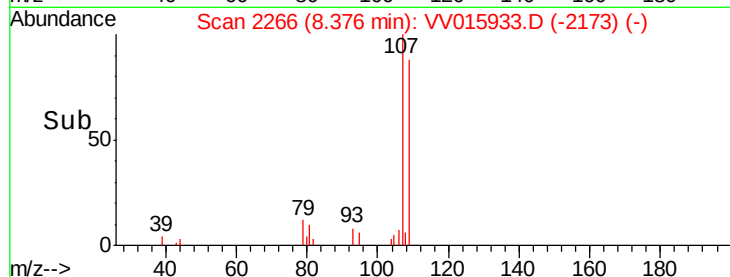
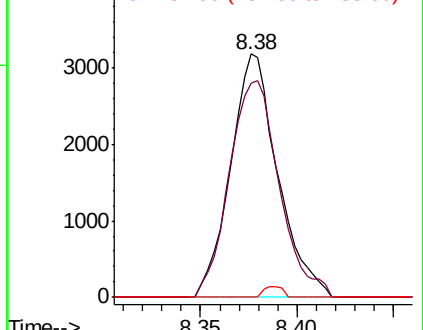
107 100

109 87.8 68.9 127.9

188 0.0 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: 0.916 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VV015933.D

Acq: 07 May 2020 10:32

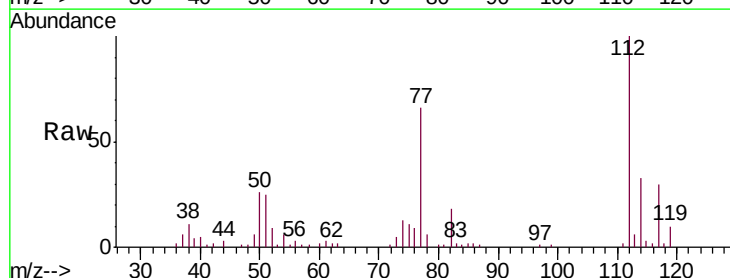
Tgt Ion:112 Resp: 23498

Ion Ratio Lower Upper

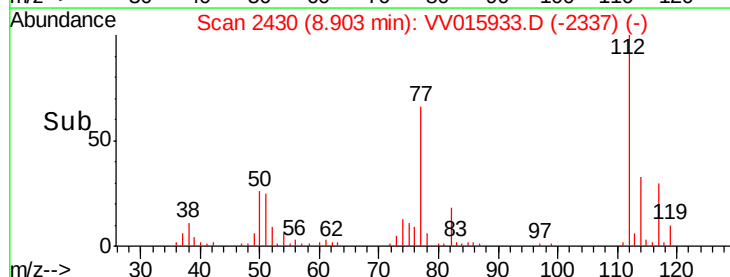
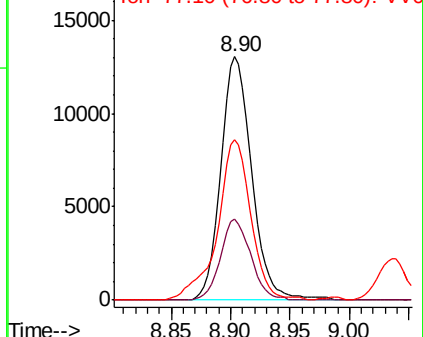
112 100

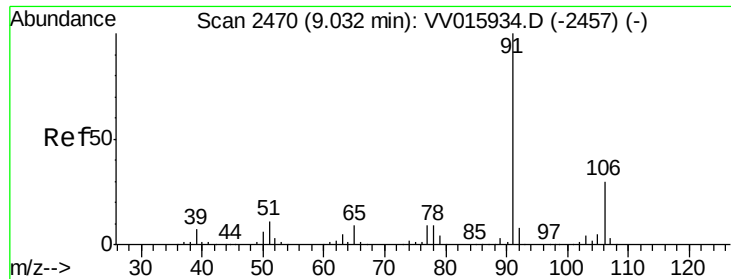
114 33.2 21.6 40.0

77 65.9 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: 0.882 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV015933.D

Acq: 07 May 2020 10:32

Instrument :

MSVOA_V

ClientSampleId :

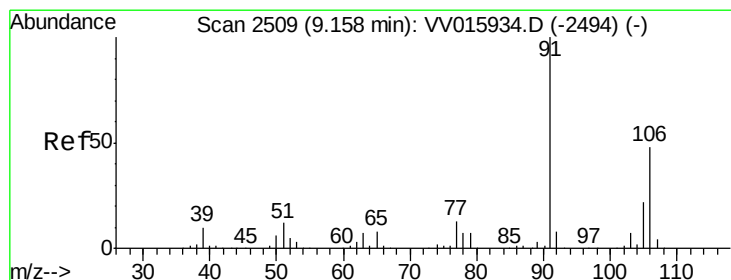
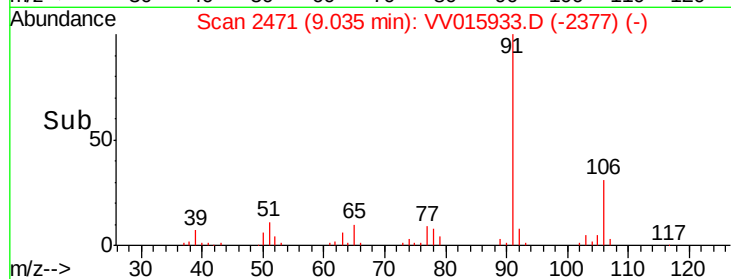
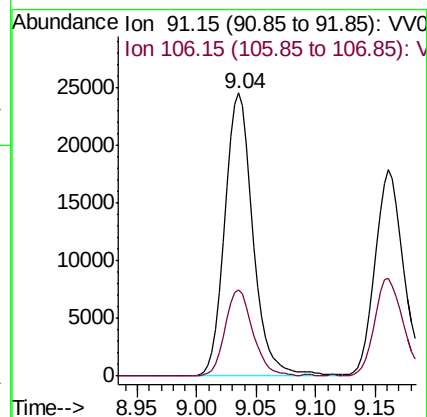
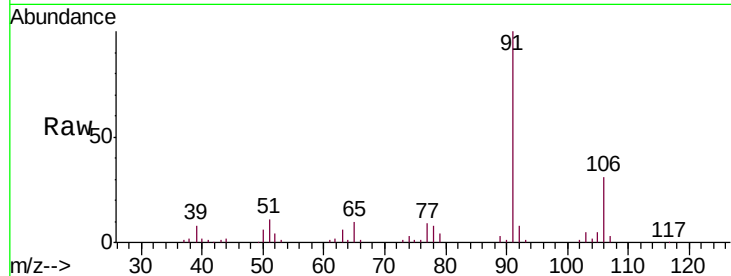
VSTD00132

Tgt Ion: 91 Resp: 40261

Ion Ratio Lower Upper

91 100

106 30.7 20.6 38.4



#55

m,p-xylene

Concen: 0.834 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV015933.D

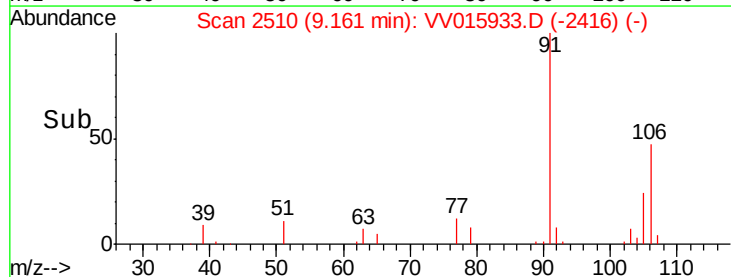
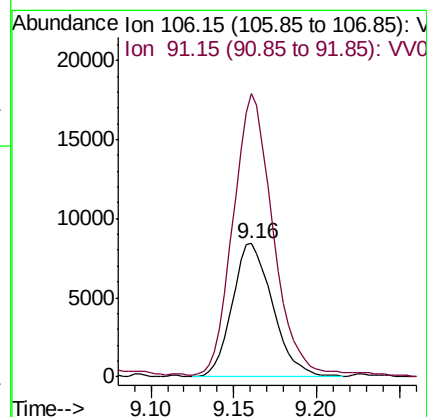
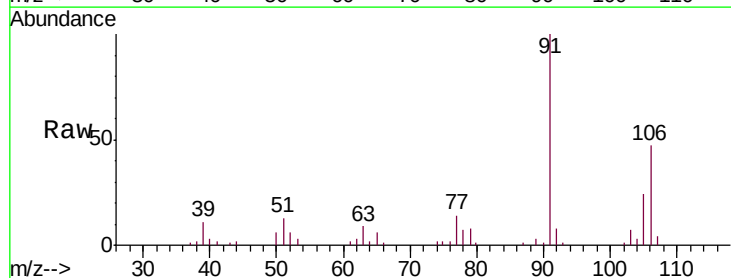
Acq: 07 May 2020 10:32

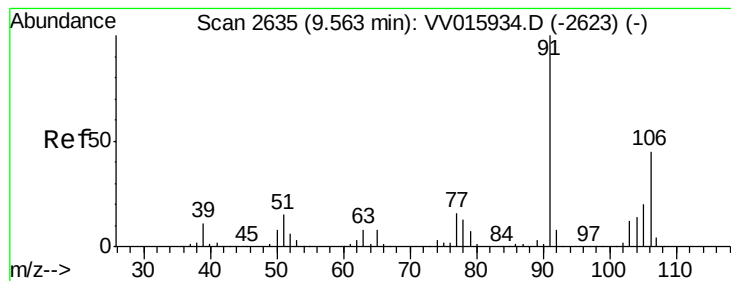
Tgt Ion: 106 Resp: 14285

Ion Ratio Lower Upper

106 100

91 212.4 149.9 278.3





#56

o-xylene

Concen: 0.853 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV015933.D

Acq: 07 May 2020 10:32

Instrument :

MSVOA_V

ClientSampleId :

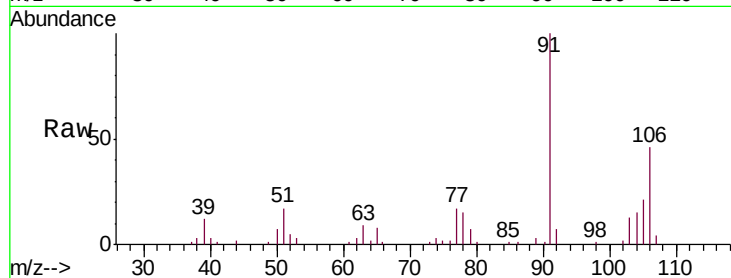
VSTD00132

Tgt Ion:106 Resp: 13821

Ion Ratio Lower Upper

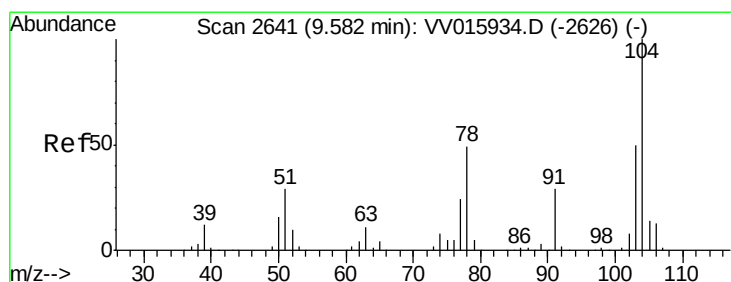
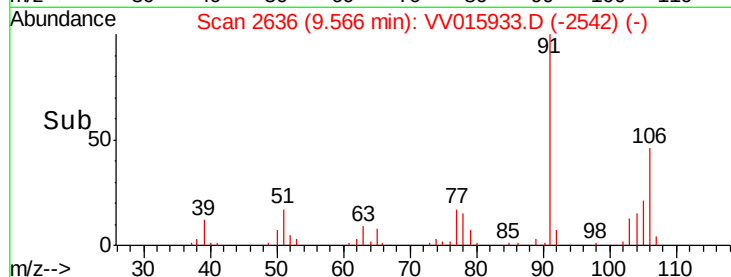
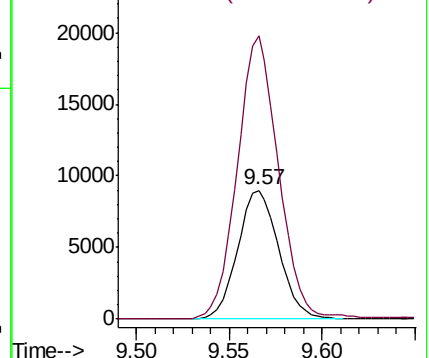
106 100

91 219.4 159.7 296.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#57

Styrene

Concen: 0.800 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV015933.D

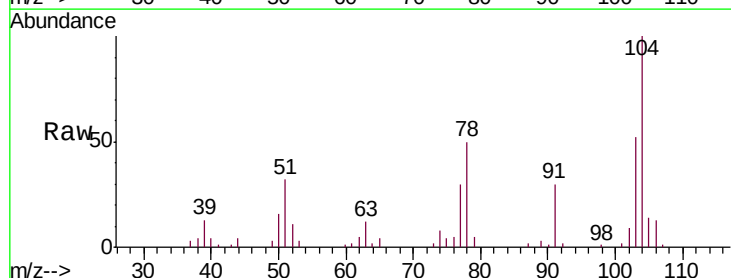
Acq: 07 May 2020 10:32

Tgt Ion:104 Resp: 21824

Ion Ratio Lower Upper

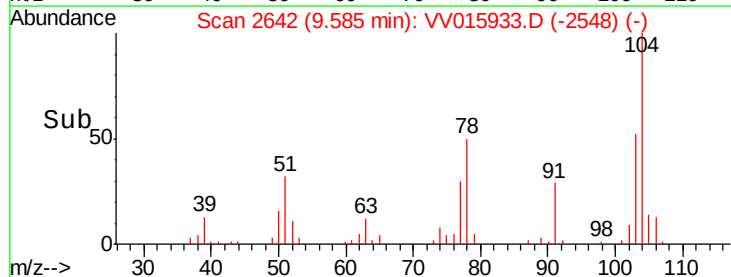
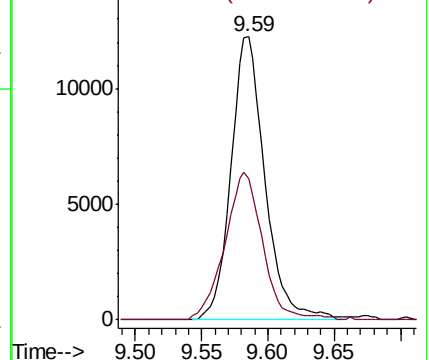
104 100

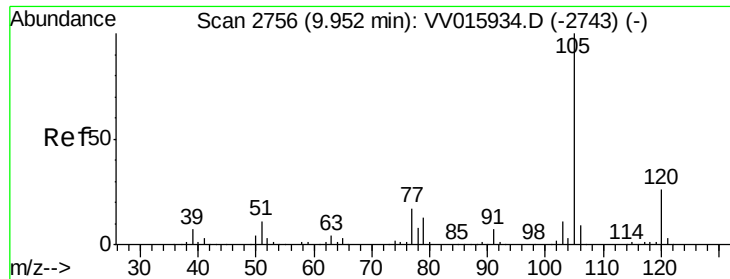
78 49.7 33.9 63.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#58

Isopropylbenzene

Concen: 0.848 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV015933.D

Acq: 07 May 2020 10:32

Instrument :

MSVOA_V

ClientSampleId :

VSTD00132

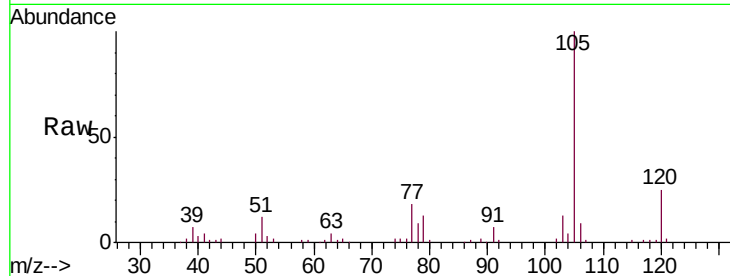
Tgt Ion:105 Resp: 37979

Ion Ratio Lower Upper

105 100

120 24.8 20.8 31.2

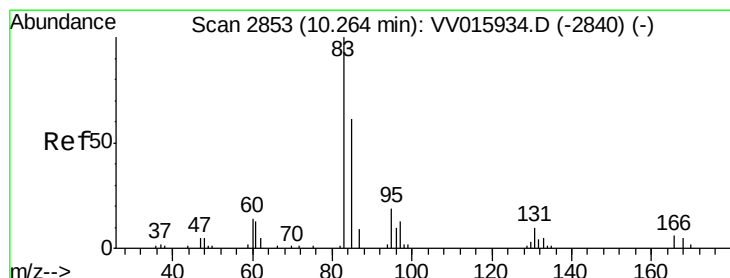
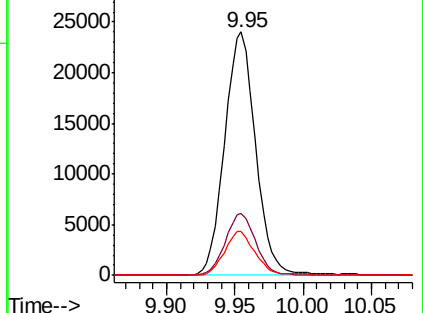
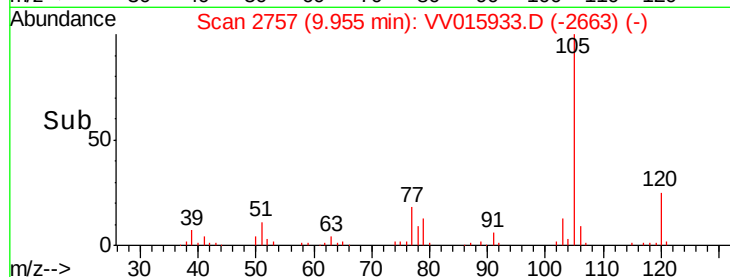
77 17.9 14.1 21.1



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: 0.828 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV015933.D

Acq: 07 May 2020 10:32

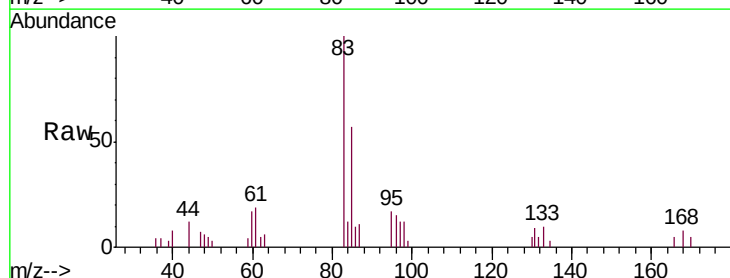
Tgt Ion: 83 Resp: 5969

Ion Ratio Lower Upper

83 100

85 56.8 44.0 81.6

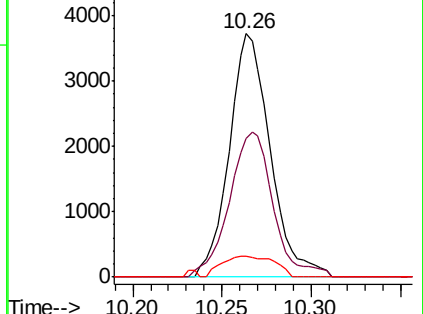
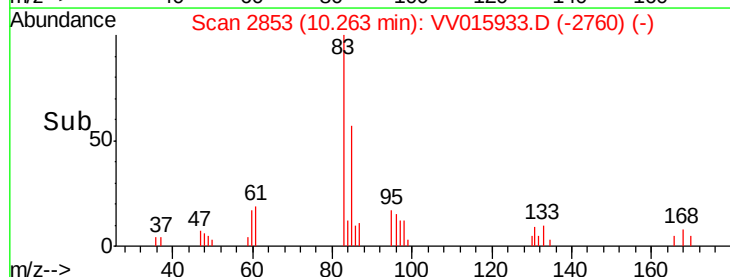
131 8.6 7.7 11.5

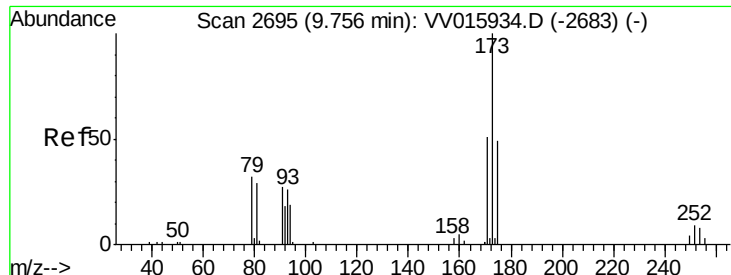


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#62

Bromoform

Concen: 0.947 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. -0.00 min

Lab File: VV015933.D

Acq: 07 May 2020 10:32

Instrument :

MSVOA_V

ClientSampleId :

VSTD00132

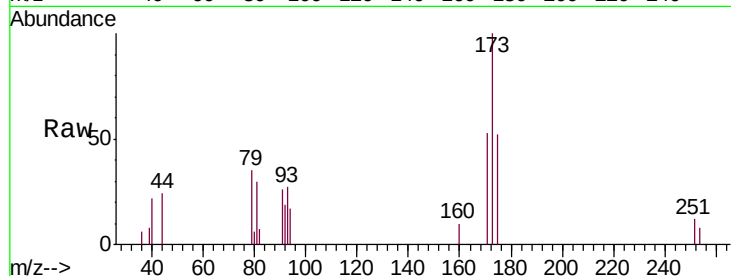
Tgt Ion:173 Resp: 2930

Ion Ratio Lower Upper

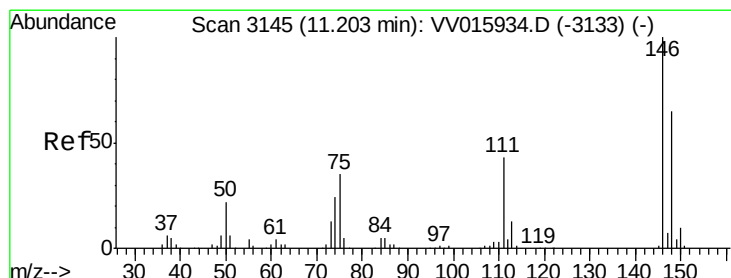
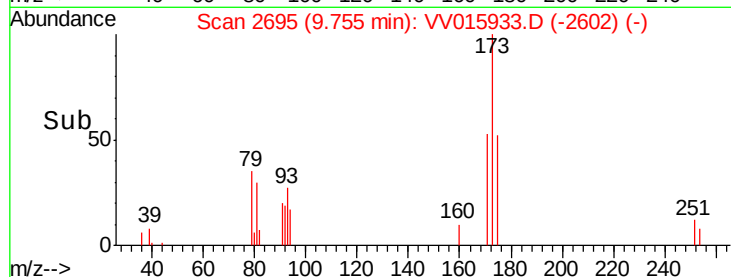
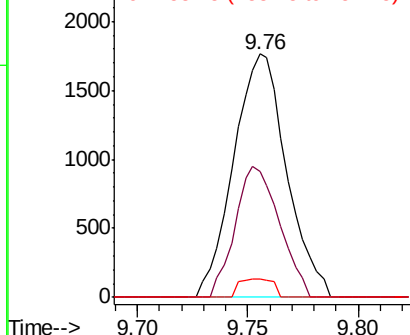
173 100

175 45.1 39.8 59.8

254 4.9 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: 0.913 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV015933.D

Acq: 07 May 2020 10:32

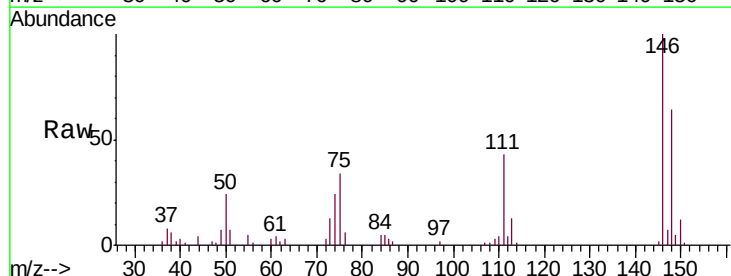
Tgt Ion:146 Resp: 18423

Ion Ratio Lower Upper

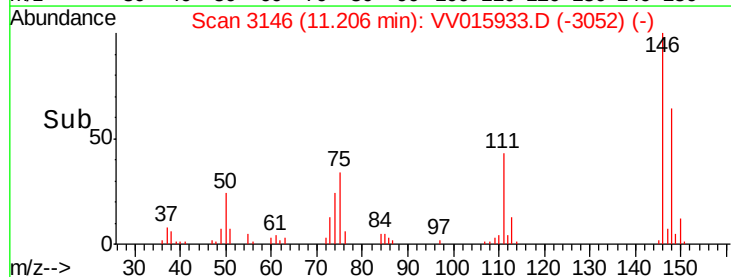
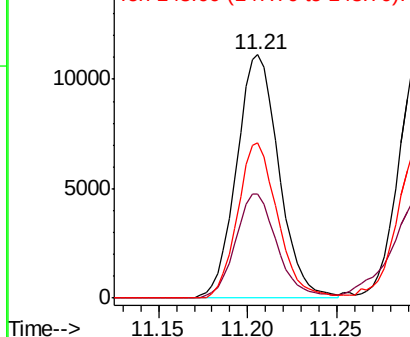
146 100

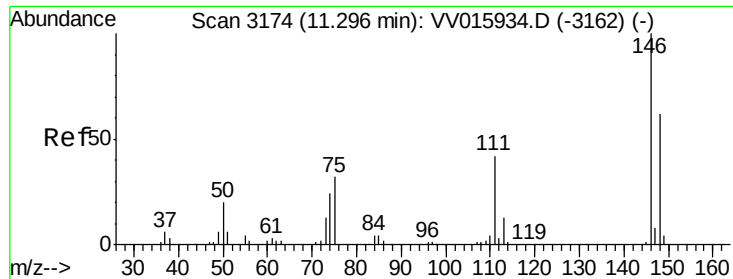
111 42.6 28.7 53.3

148 63.6 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: 0.913 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. -0.00 min

Lab File: VV015933.D

Acq: 07 May 2020 10:32

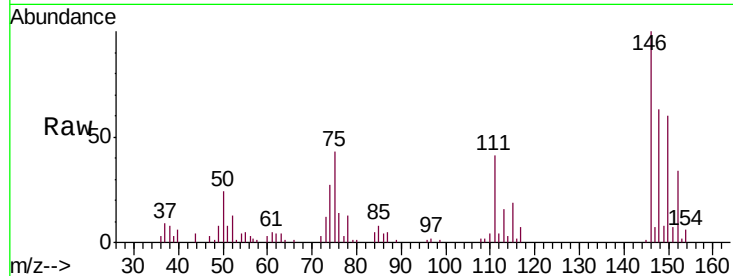
Instrument :

MSVOA_V

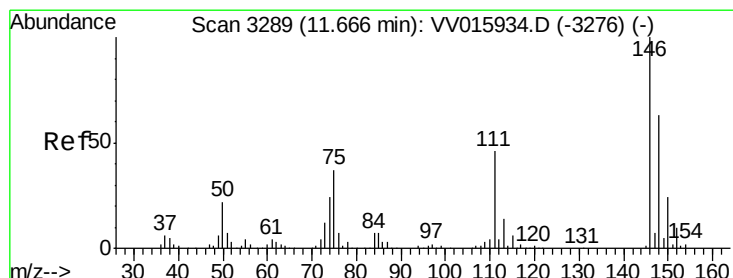
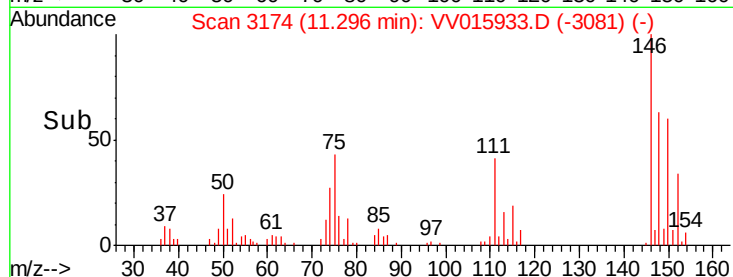
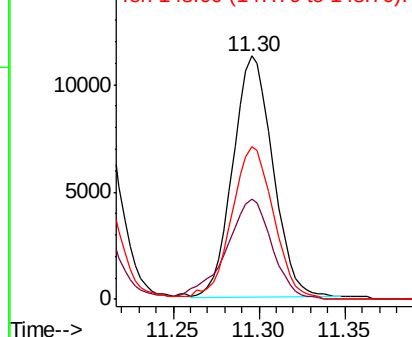
ClientSampleId :

VSTD00132

Tgt Ion:	146	Resp:	18185
Ion	Ratio	Lower	Upper
146	100		
111	40.9	28.9	53.7
148	62.7	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



#66

1,2-Dichlorobenzene

Concen: 0.906 ug/L

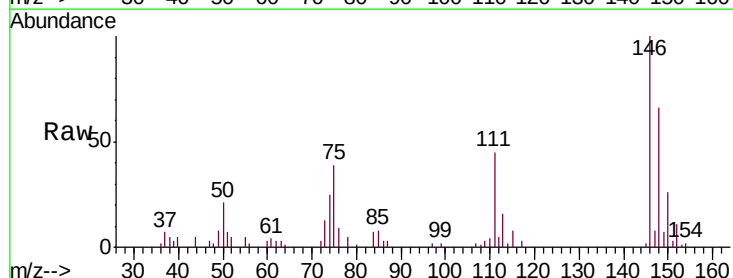
RT: 11.67 min Scan# 3290

Delta R.T. 0.00 min

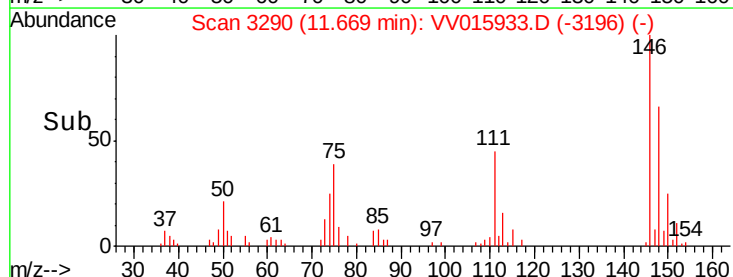
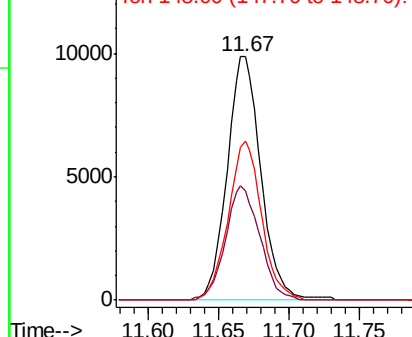
Lab File: VV015933.D

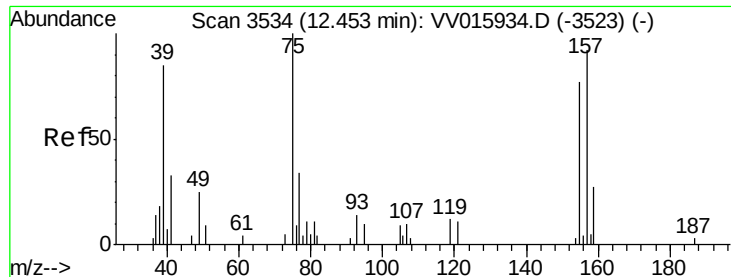
Acq: 07 May 2020 10:32

Tgt Ion:	146	Resp:	16503
Ion	Ratio	Lower	Upper
146	100		
111	44.6	37.0	55.4
148	65.6	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





#67

1,2-Dibromo-3-chloropropane

Concen: 0.779 ug/L

RT: 12.45 min Scan# 3534

Delta R.T. -0.00 min

Lab File: VV015933.D

Acq: 07 May 2020 10:32

Instrument :

MSVOA_V

ClientSampleId :

VSTD00132

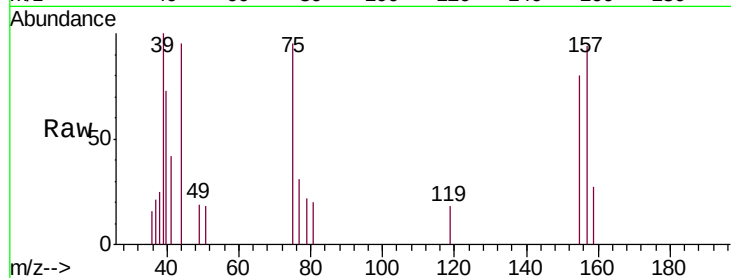
Tgt Ion: 75 Resp: 979

Ion Ratio Lower Upper

75 100

155 84.0 58.2 87.4

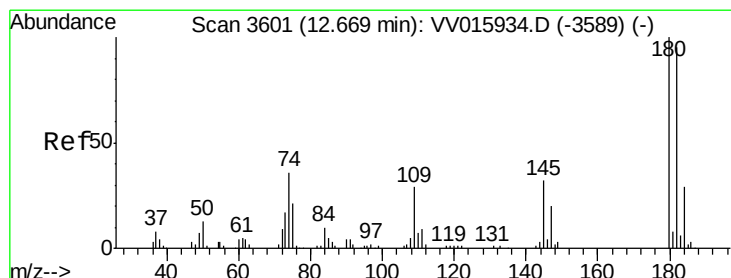
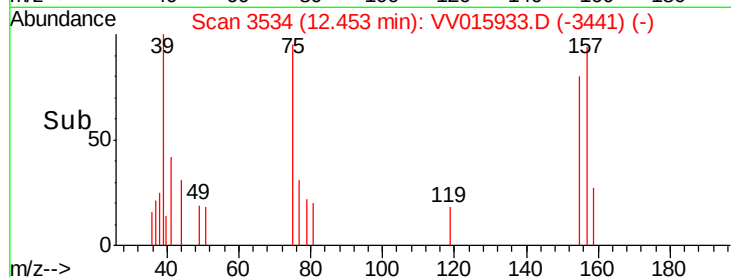
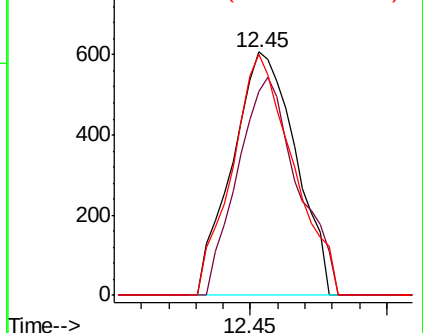
157 98.8 79.4 119.2



Abundance Ion 75.05 (74.75 to 75.75): VV015933.D (-3523) (-)

Ion 154.95 (154.65 to 155.65): VV015933.D (-3523) (-)

Ion 156.90 (156.60 to 157.60): VV015933.D (-3523) (-)



#68

1,3,5-Trichlorobenzene

Concen: 0.861 ug/L

RT: 12.67 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VV015933.D

Acq: 07 May 2020 10:32

Tgt Ion: 180 Resp: 12840

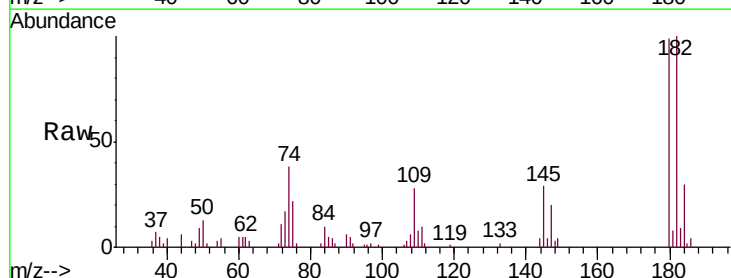
Ion Ratio Lower Upper

180 100

182 103.0 75.8 113.6

184 31.6 24.6 36.8

145 31.8 26.0 39.0

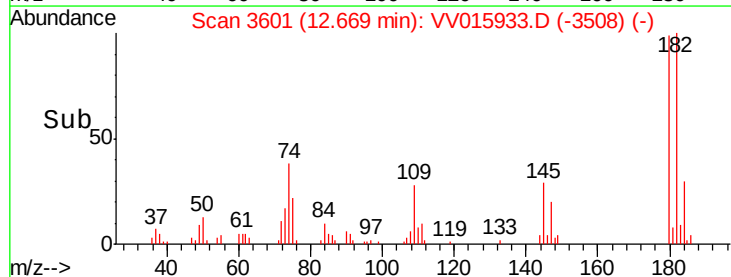
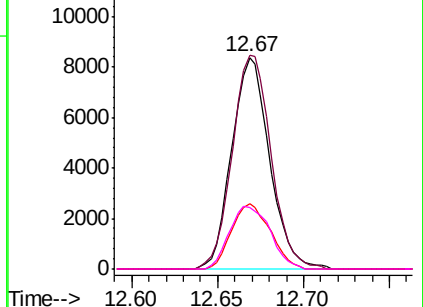


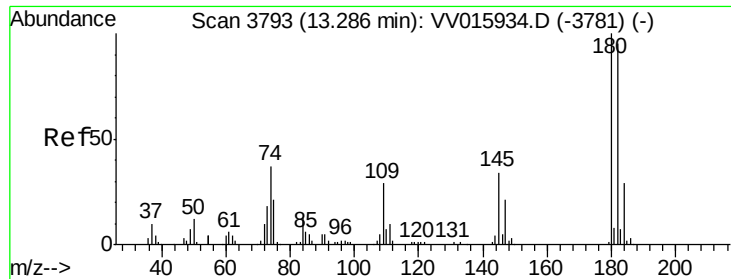
Abundance Ion 180.00 (179.70 to 180.70): VV015933.D (-3589) (-)

Ion 182.00 (181.70 to 182.70): VV015933.D (-3589) (-)

Ion 184.00 (183.70 to 184.70): VV015933.D (-3589) (-)

Ion 145.00 (144.70 to 145.70): VV015933.D (-3589) (-)

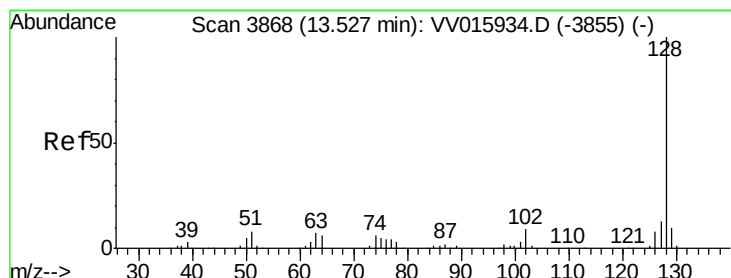
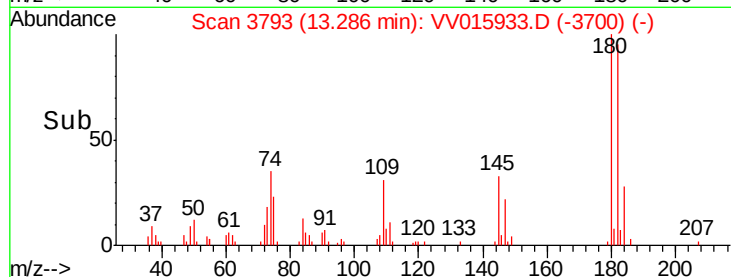
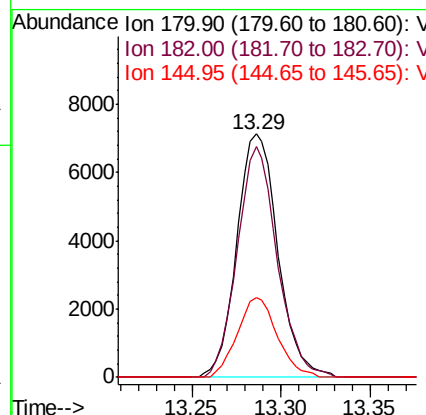
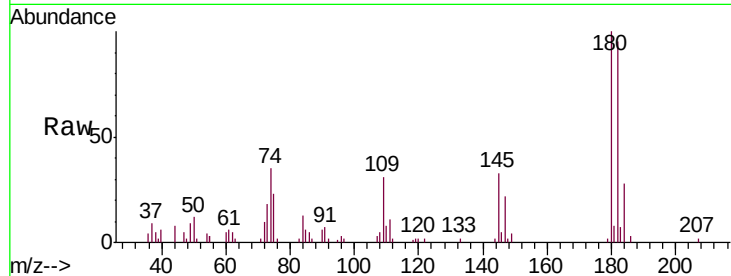




#69
 1,2,4-trichlorobenzene
 Concen: 0.912 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. -0.00 min
 Lab File: VV015933.D
 Acq: 07 May 2020 10:32

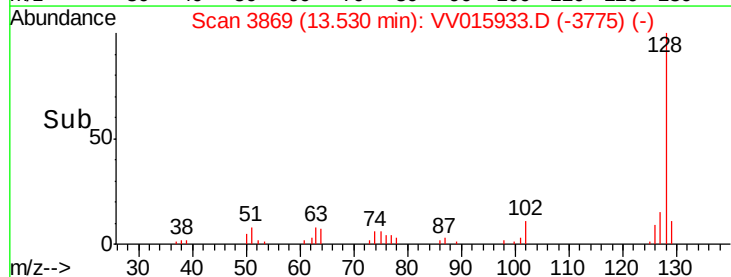
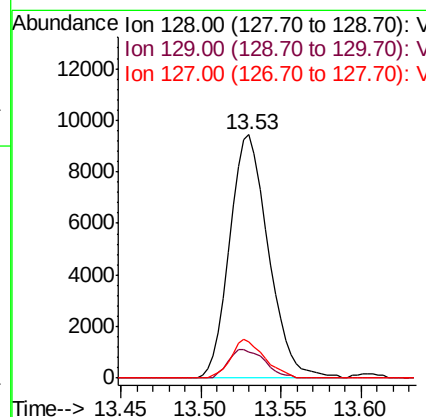
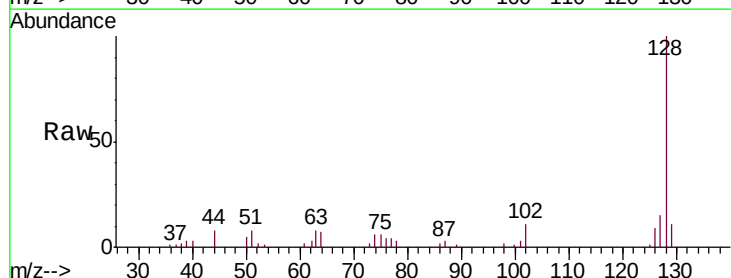
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00132

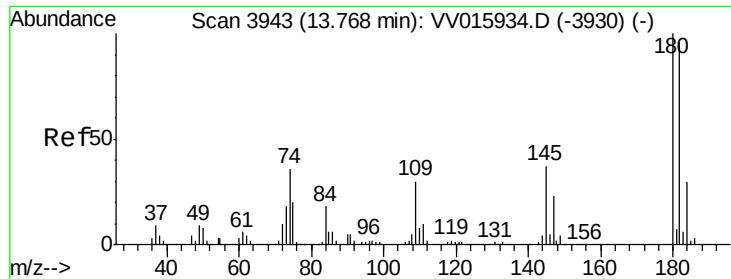
Tgt Ion:180 Resp: 11447
 Ion Ratio Lower Upper
 180 100
 182 92.2 76.7 115.1
 145 31.9 26.4 39.6



#70
 Naphthalene
 Concen: 0.748 ug/L
 RT: 13.53 min Scan# 3869
 Delta R.T. 0.00 min
 Lab File: VV015933.D
 Acq: 07 May 2020 10:32

Tgt Ion:128 Resp: 15635
 Ion Ratio Lower Upper
 128 100
 129 11.1 8.5 12.7
 127 13.6 10.2 15.2

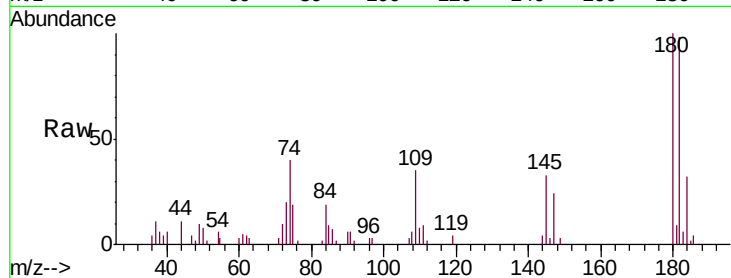




#71
 1,2,3-Trichlorobenzene
 Concen: 0.870 ug/L
 RT: 13.77 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VV015933.D
 Acq: 07 May 2020 10:32

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00132

Tgt Ion:180 Resp: 9774
 Ion Ratio Lower Upper
 180 100
 182 95.4 77.0 115.6
 145 34.7 28.3 42.5



Abundance Ion 179.90 (179.60 to 180.60): V
 8000 Ion 181.90 (181.60 to 182.60): V
 Ion 144.95 (144.65 to 145.65): V

