

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV071420\
 Data File : VV017475.D
 Acq On : 14 Jul 2020 10:42
 Operator : SY/MD
 Sample : VSTD01032
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01032

Quant Time: Jul 15 02:03:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071420WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 15 02:00:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	147655	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	139801	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	78760	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	88140	9.97	ug/L	0.00
7) Chloroethane-d5	1.58	69	68191	10.44	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	183174	10.62	ug/L	0.00
20) 2-Butanone-d5	3.95	46	190142	87.64	ug/L	0.00
24) Chloroform-d	4.38	84	195371	10.17	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	105615	10.30	ug/L	0.00
32) Benzene-d6	5.07	84	337176	9.39	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	92427	8.74	ug/L	0.00
41) Toluene-d8	7.34	98	328256	9.73	ug/L	0.00
45) trans-1,3-Dichloropropene-	7.64	79	46687	10.26	ug/L	0.00
48) 2-Hexanone-d5	8.11	63	155393	94.21	ug/L	0.00
59) 1,1,2,2-Tetrachloroethane-	10.24	84	66403	9.39	ug/L	0.00
65) 1,2-Dichlorobenzene-d4	11.65	152	133587	9.23	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	168357	13.014 ug/L	97
3) Chloromethane	1.25	50	112267	10.910 ug/L	95
5) Vinyl chloride	1.32	62	115750	11.451 ug/L	100
6) Bromomethane	1.53	94	70506	11.869 ug/L	96
8) Chloroethane	1.60	64	66397	11.732 ug/L	98
9) Trichlorofluoromethane	1.77	101	211450	12.518 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	98416	11.976 ug/L	99
12) 1,1-Dichloroethene	2.14	96	87880	11.862 ug/L	86
13) Acetone	2.24	43	130486	112.819 ug/L	82
14) Carbon disulfide	2.31	76	268911	11.890 ug/L	100
15) Methyl Acetate	2.46	43	28657	10.706 ug/L	97
16) Methylene chloride	2.52	84	84622	10.639 ug/L	99
17) Methyl tert-butyl Ether	2.79	73	216468	11.642 ug/L	96
18) trans-1,2-Dichloroethene	2.78	96	92264	11.587 ug/L	98
19) 1,1-Dichloroethane	3.21	63	179492	10.440 ug/L	99
21) 2-Butanone	4.03	43	196516	93.174 ug/L	# 41
22) cis-1,2-Dichloroethene	3.94	96	101635	9.890 ug/L	98
23) Bromochloromethane	4.28	128	46201	10.360 ug/L	95
25) Chloroform	4.40	83	194128	10.369 ug/L	99
27) 1,2-Dichloroethane	5.16	62	128886	10.890 ug/L	99
29) 1,1,1-Trichloroethane	4.63	97	196667	11.285 ug/L	97
30) Cyclohexane	4.70	56	151807	9.587 ug/L	99
31) Carbon tetrachloride	4.85	117	185239	11.713 ug/L	99
33) Benzene	5.12	78	374914	10.163 ug/L	100
34) Trichloroethene	5.94	95	109201	10.042 ug/L	96
35) Methylcyclohexane	6.15	83	172495	10.330 ug/L	98
37) 1,2-Dichloropropane	6.20	63	84907	9.529 ug/L	99
38) Bromodichloromethane	6.53	83	133961	10.611 ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	143433	10.573 ug/L	98
40) 4-Methyl-2-pentanone	7.25	43	478681	93.013 ug/L	99

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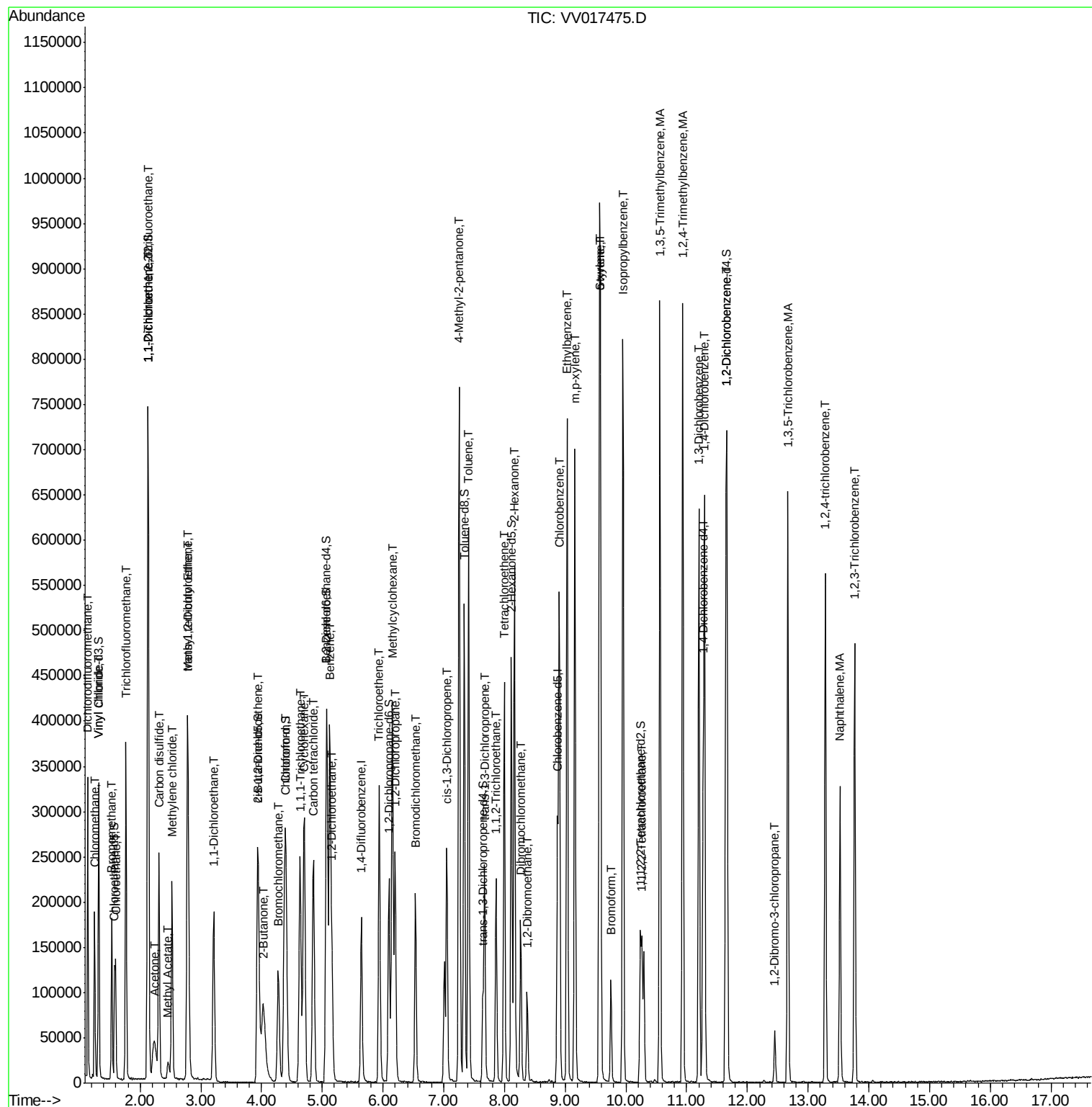
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	421840	9.854	ug/L	99
43) 1,3,5-Trimethylbenzene	10.56	105	440821	11.384	ug/L	99
44) 1,2,4-Trimethylbenzene	10.94	105	443686	11.294	ug/L	99
46) trans-1,3-Dichloropropene	7.67	75	127702	10.755	ug/L	99
47) 1,1,2-Trichloroethane	7.86	97	63199	9.831	ug/L	96
49) Tetrachloroethene	8.00	164	95608	10.756	ug/L	97
50) 2-Hexanone	8.16	43	338017	92.341	ug/L	99
51) Dibromochloromethane	8.27	129	89402	11.123	ug/L	97
52) 1,2-Dibromoethane	8.38	107	62226	10.137	ug/L #	93
53) Chlorobenzene	8.90	112	274599	10.218	ug/L	99
54) Ethylbenzene	9.03	91	491092	10.713	ug/L	99
55) m,p-xylene	9.16	106	185730	10.332	ug/L	100
56) o-xylene	9.56	106	179443	10.713	ug/L	98
57) Styrene	9.58	104	302848	10.818	ug/L	97
58) Isopropylbenzene	9.95	105	504082	10.838	ug/L	99
60) 1,1,2,2-Tetrachloroethane	10.26	83	66148	9.994	ug/L	92
62) Bromoform	9.75	173	51203	11.658	ug/L	97
63) 1,3-Dichlorobenzene	11.20	146	243566	10.192	ug/L	98
64) 1,4-Dichlorobenzene	11.30	146	238935	9.861	ug/L	96
66) 1,2-Dichlorobenzene	11.67	146	216729	10.013	ug/L	99
67) 1,2-Dibromo-3-chloropropan	12.45	75	13372	10.801	ug/L	92
68) 1,3,5-Trichlorobenzene	12.67	180	198305	10.316	ug/L	100
69) 1,2,4-trichlorobenzene	13.28	180	166394	10.509	ug/L	99
70) Naphthalene	13.52	128	247685	11.073	ug/L	99
71) 1,2,3-Trichlorobenzene	13.77	180	146282	11.114	ug/L	99

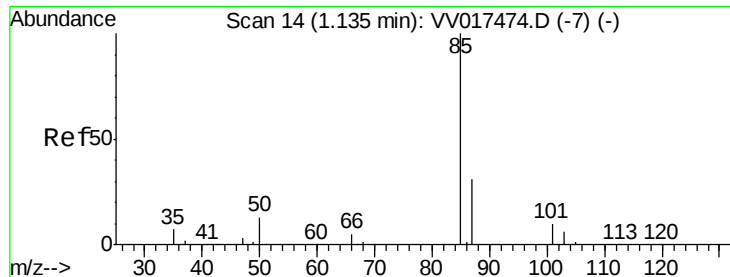
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 13.014 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV017475.D

Acq: 14 Jul 2020 10:42

Instrument :

MSVOA_V

ClientSampleId :

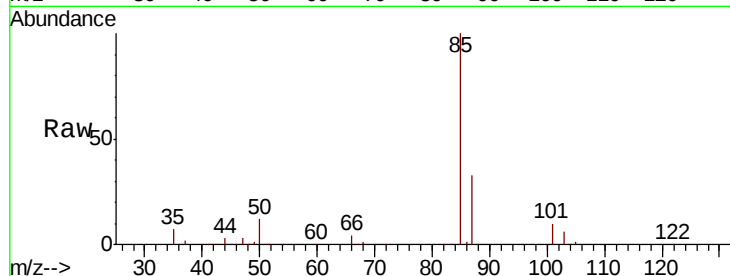
VSTD01032

Tot Ion: 85 Resp: 168357

Ion Ratio Lower Upper

85 100

87 33.1 25.1 37.7



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

200000

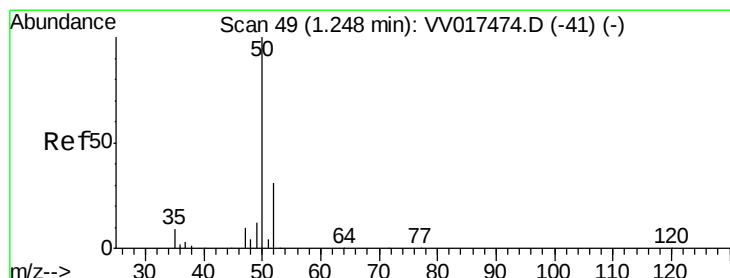
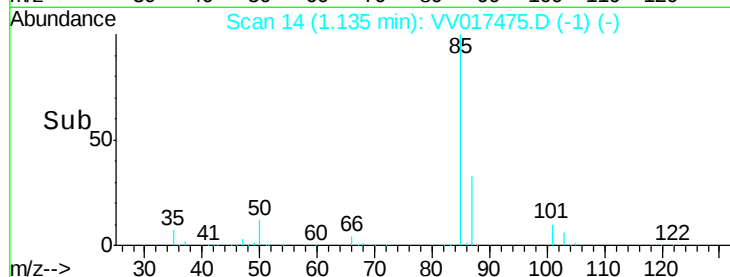
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 10.910 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV017475.D

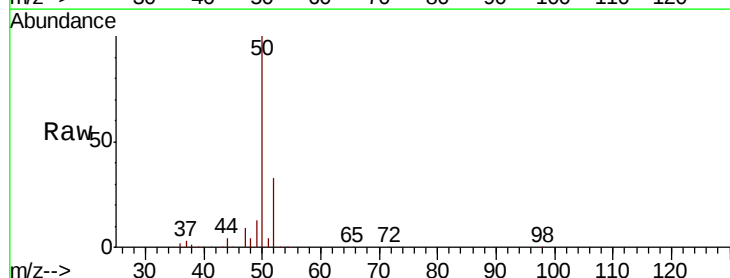
Acq: 14 Jul 2020 10:42

Tgt Ion: 50 Resp: 112267

Ion Ratio Lower Upper

50 100

52 33.3 21.4 39.8



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0

1.25

120000

100000

80000

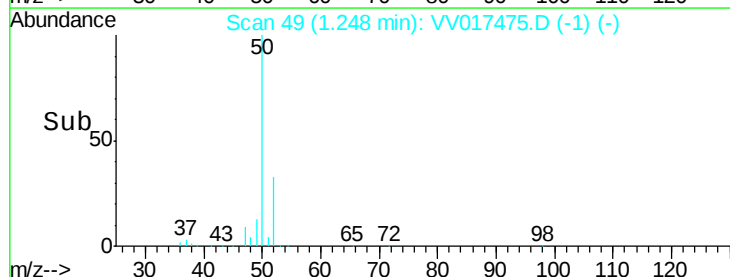
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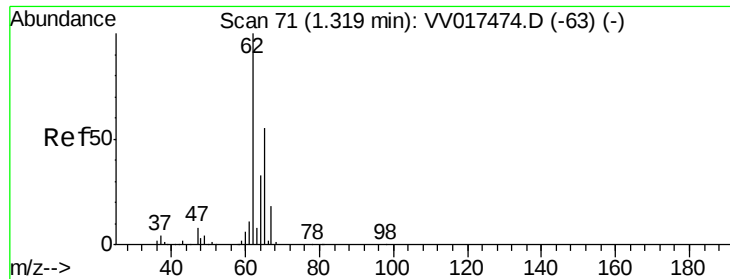
40000

20000

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Time-->





#5

Vinyl chloride

Concen: 11.451 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017475.D

Acq: 14 Jul 2020 10:42

Instrument :

MSVOA_V

ClientSampled :

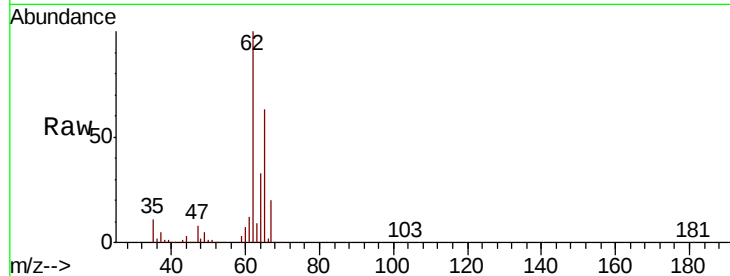
VSTD01032

Tot Ion: 62 Resp: 115750

Ion Ratio Lower Upper

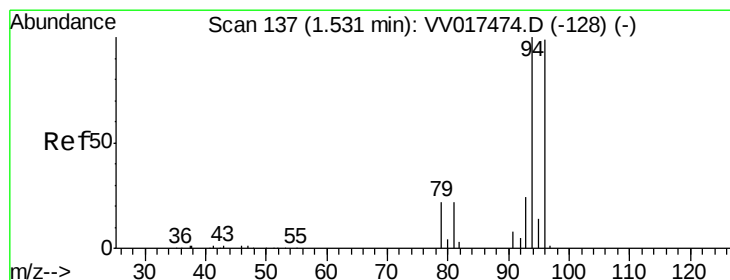
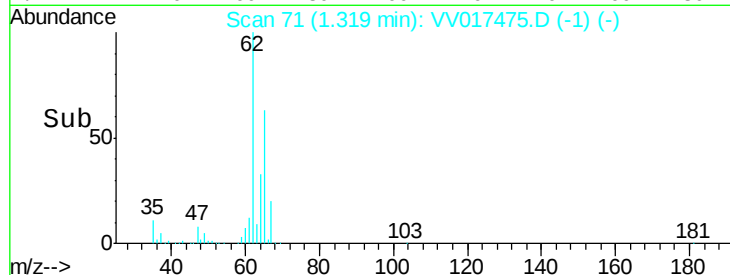
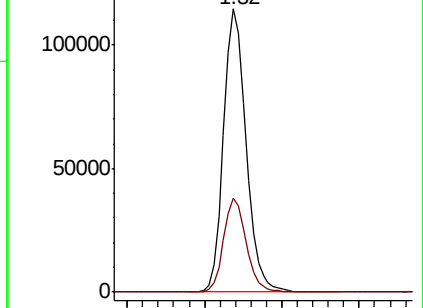
62 100

64 33.1 23.2 43.2



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 11.869 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV017475.D

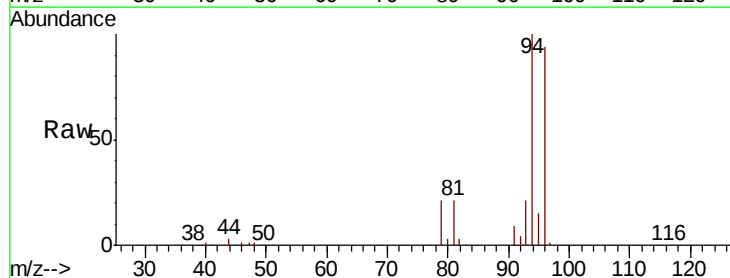
Acq: 14 Jul 2020 10:42

Tgt Ion: 94 Resp: 70506

Ion Ratio Lower Upper

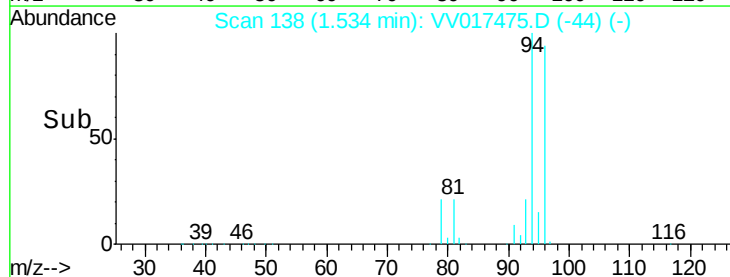
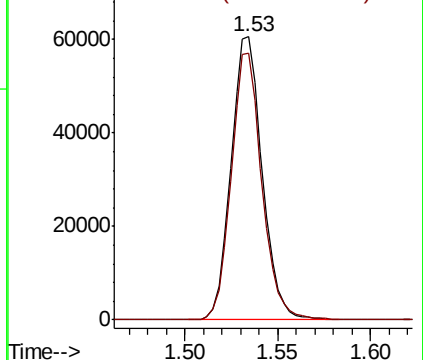
94 100

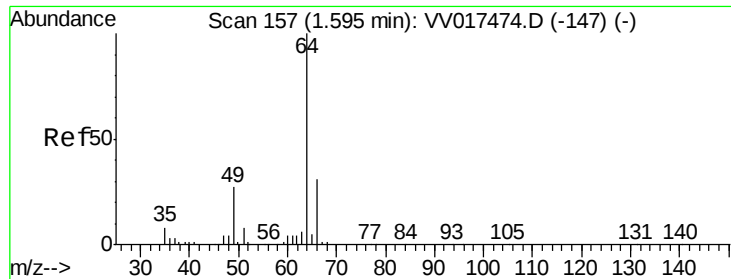
96 94.2 69.0 128.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

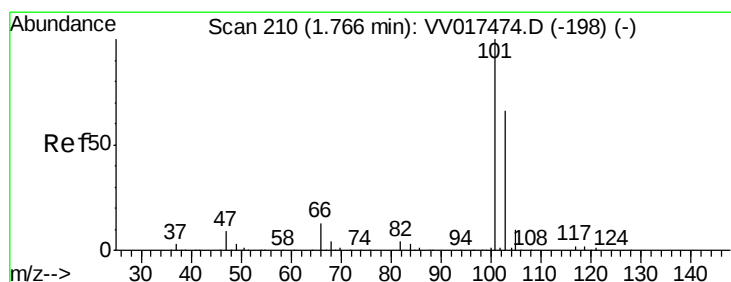
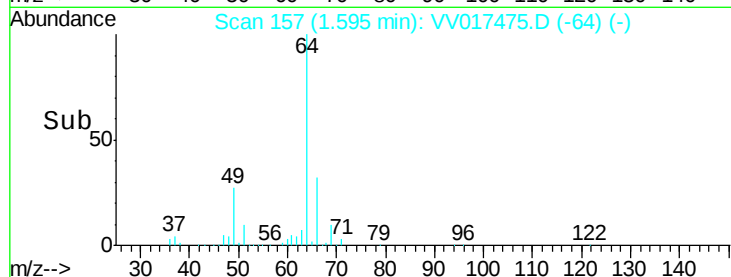
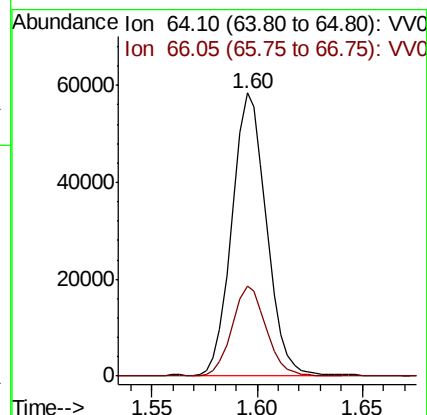
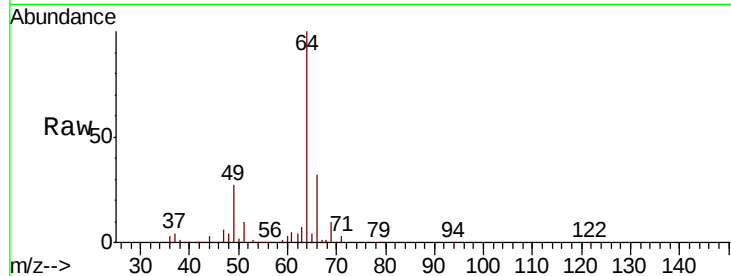




#8
Chloroethane
Concen: 11.732 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV017475.D
Acq: 14 Jul 2020 10:42

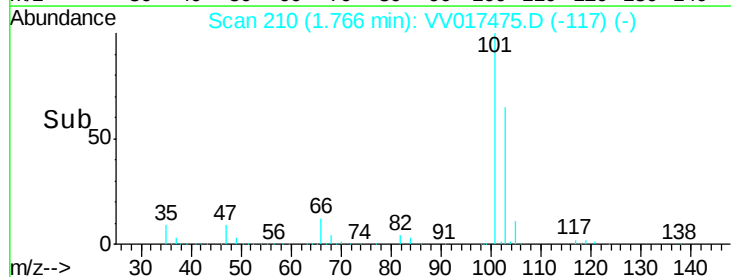
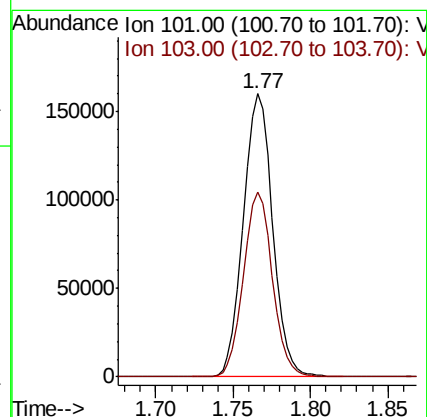
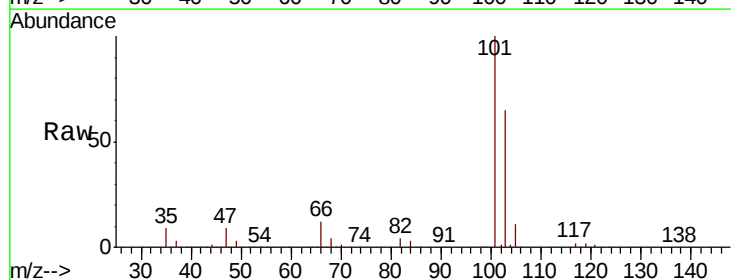
Instrument :
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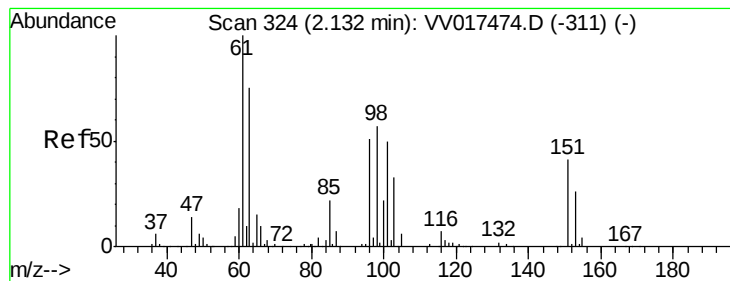
Tot Ion: 64 Resp: 66397
Ion Ratio Lower Upper
64 100
66 32.0 21.5 39.9



#9
Trichlorofluoromethane
Concen: 12.518 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.00 min
Lab File: VV017475.D
Acq: 14 Jul 2020 10:42

Tgt Ion: 101 Resp: 211450
Ion Ratio Lower Upper
101 100
103 64.5 52.3 78.5





#10

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

Concen: 11.976 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017475.D

Acq: 14 Jul 2020 10:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD01032

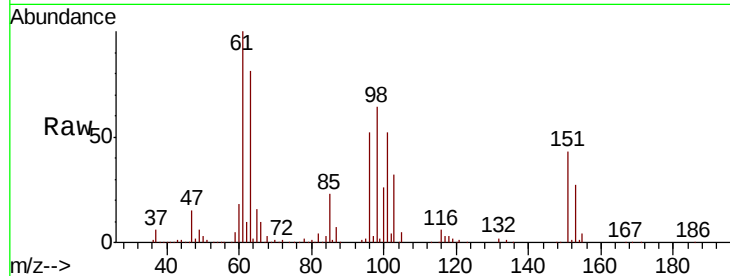
Tot Ion:101 Resp: 98416

Ion Ratio Lower Upper

101 100

85 44.4 35.4 53.2

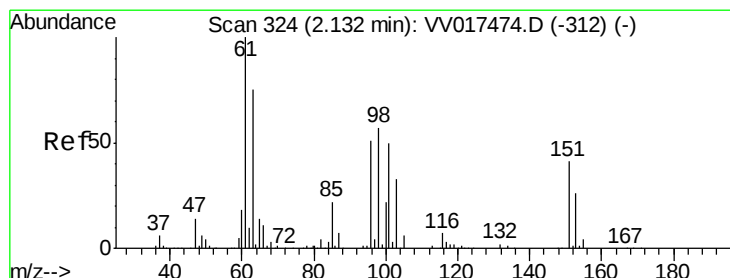
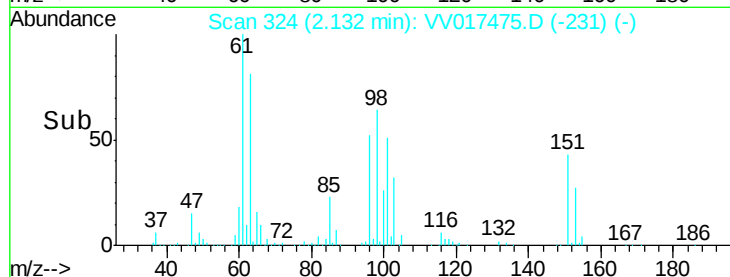
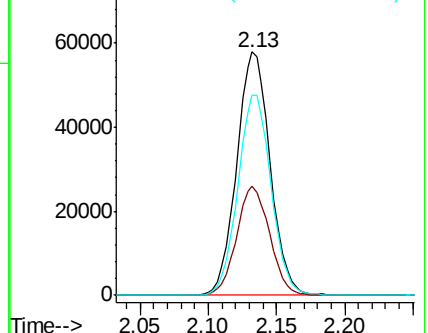
151 82.1 66.5 99.7



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: 11.862 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV017475.D

Acq: 14 Jul 2020 10:42

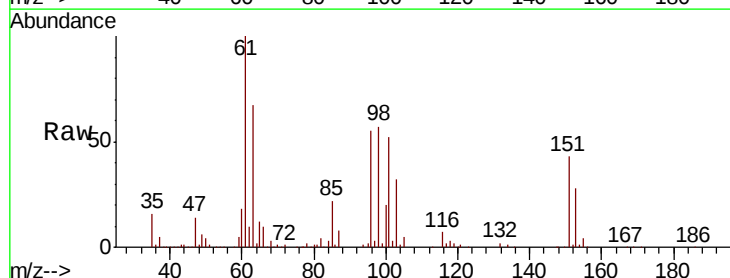
Tgt Ion: 96 Resp: 87880

Ion Ratio Lower Upper

96 100

61 183.3 137.2 254.8

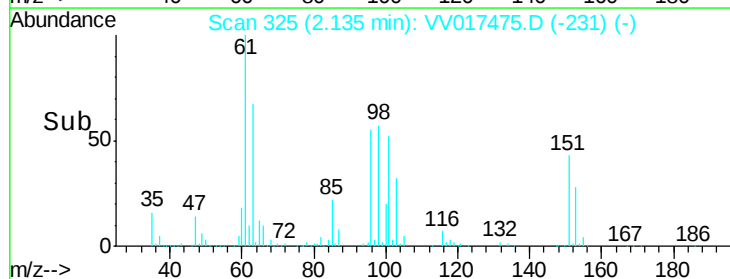
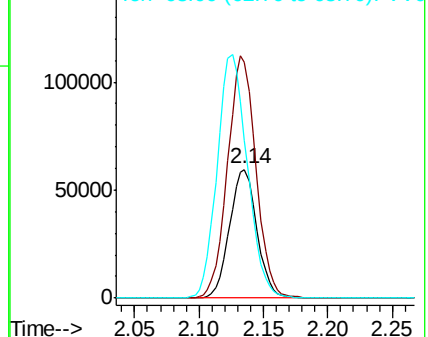
63 122.3 103.6 192.4

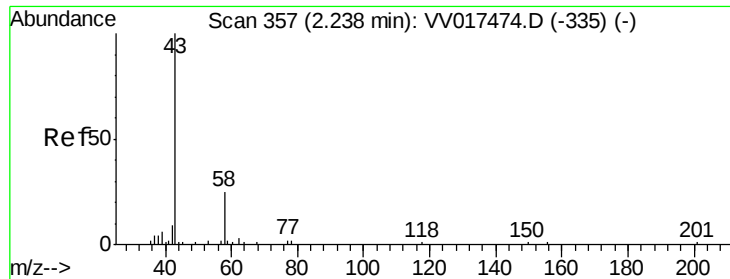


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 112.819 ug/L

RT: 2.24 min Scan# 356

Delta R.T. -0.00 min

Lab File: VV017475.D

Acq: 14 Jul 2020 10:42

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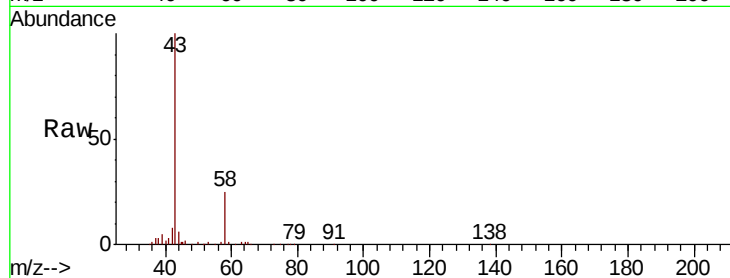
VSTD01032

Tot Ion: 43 Resp: 130486

Ion Ratio Lower Upper

43 100

58 9.0 0.0 33.6



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.24

30000

25000

20000

15000

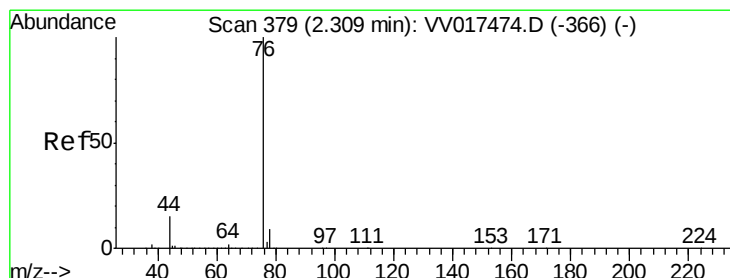
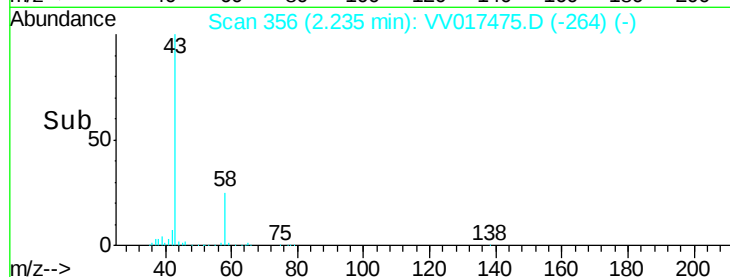
10000

5000

0

Time-->

2.10 2.20 2.30 2.40



#14

Carbon disulfide

Concen: 11.890 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV017475.D

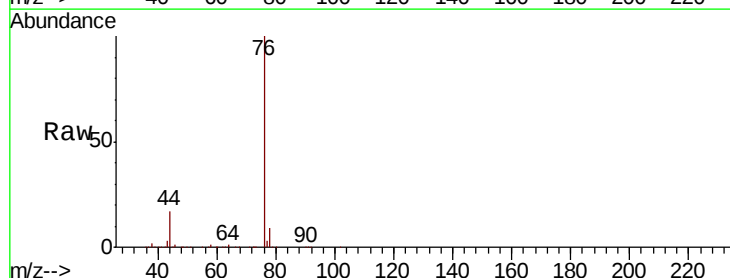
Acq: 14 Jul 2020 10:42

Tgt Ion: 76 Resp: 268911

Ion Ratio Lower Upper

76 100

78 9.4 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.31

200000

150000

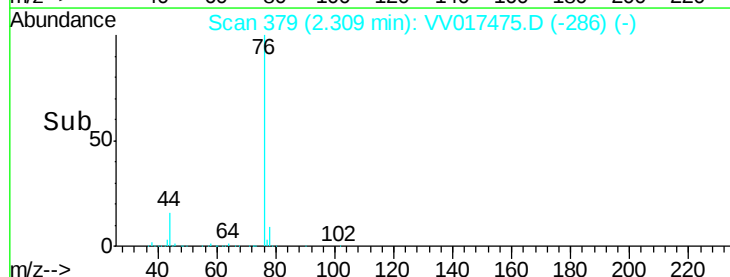
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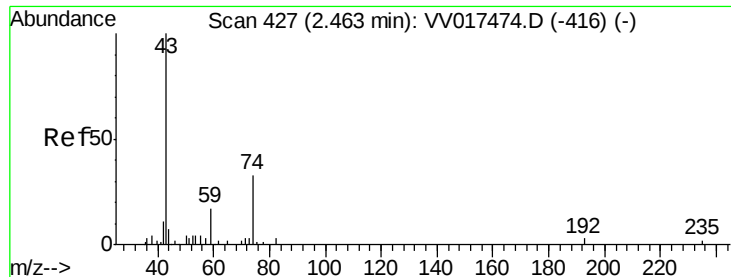
50000

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Time-->

2.25 2.30 2.35 2.40

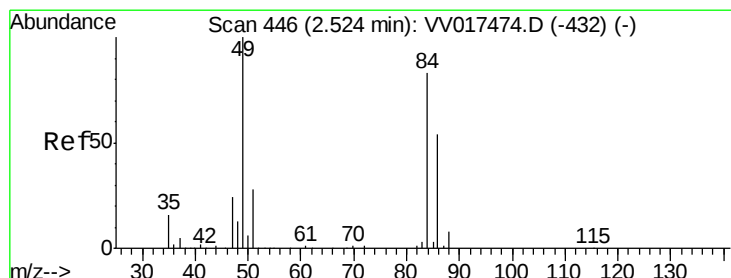
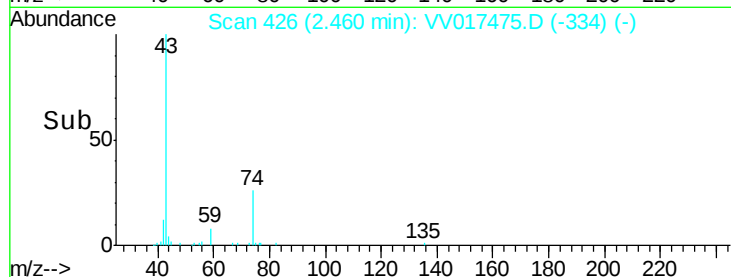
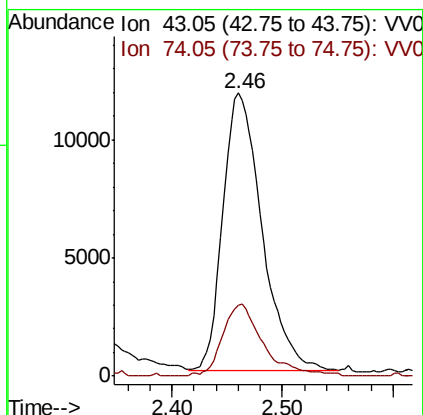
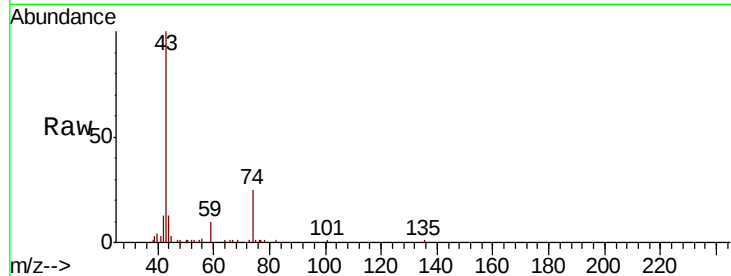




#15
Methvl Acetate
Concen: 10.706 ug/L
RT: 2.46 min Scan# 426
Delta R.T. -0.00 min
Lab File: VV017475.D
Acq: 14 Jul 2020 10:42

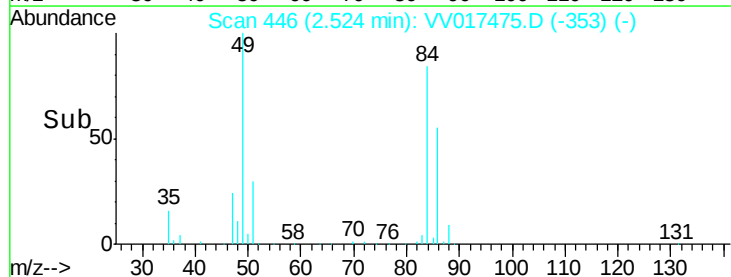
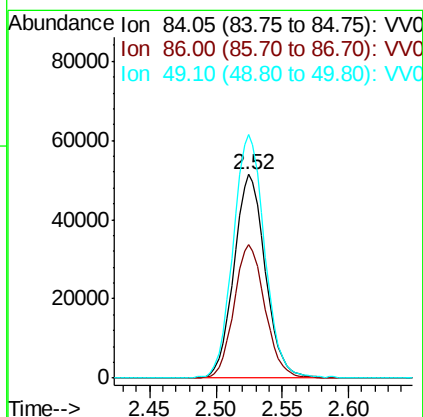
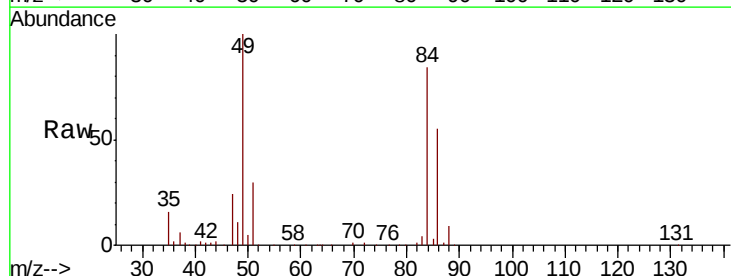
Instrument :
MSVOA_V
ClientSampleId :
VSTD01032

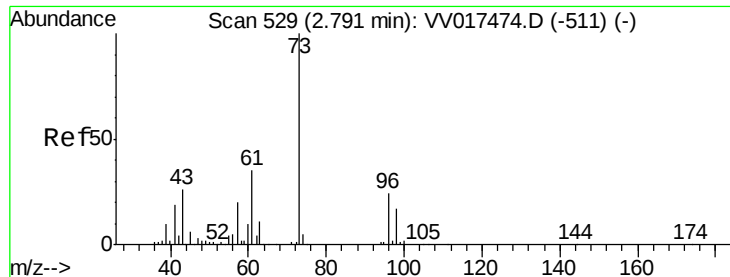
Tot Ion: 43 Resp: 28657
Ion Ratio Lower Upper
43 100
74 27.3 20.5 30.7



#16
Methylene chloride
Concen: 10.639 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV017475.D
Acq: 14 Jul 2020 10:42

Tgt Ion: 84 Resp: 84622
Ion Ratio Lower Upper
84 100
86 65.6 45.5 84.5
49 119.6 84.6 157.0

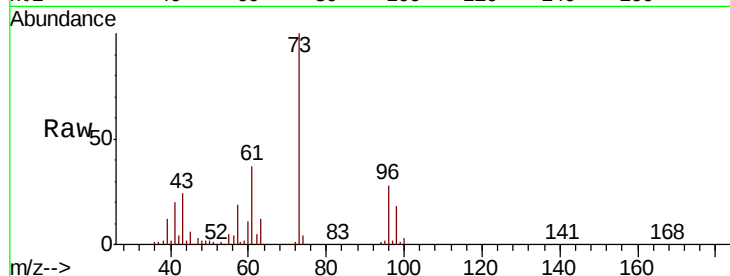




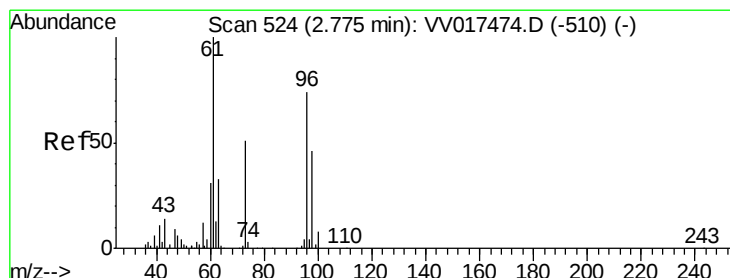
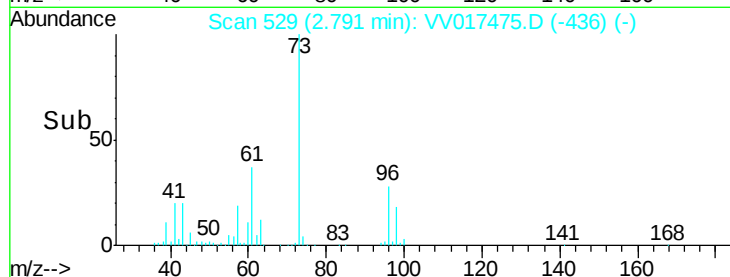
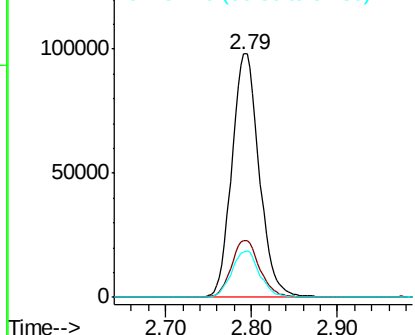
#17
Methvl tert-butvl Ether
Concen: 11.642 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV017475.D
Acq: 14 Jul 2020 10:42

Instrument :
MSVOA_V
ClientSampleId :
VSTD01032

Tot Ion: 73 Resp: 216468
Ion Ratio Lower Upper
73 100
43 23.7 20.4 30.6
57 19.3 16.7 25.1

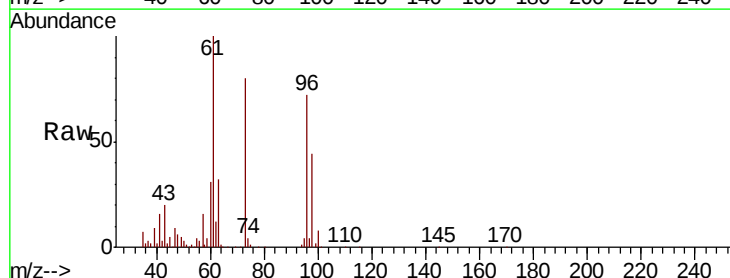


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

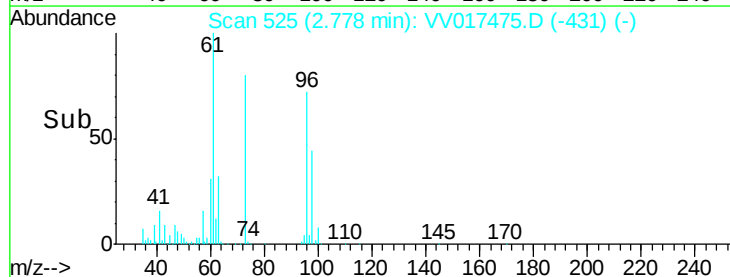
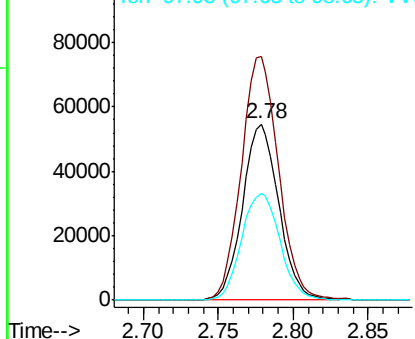


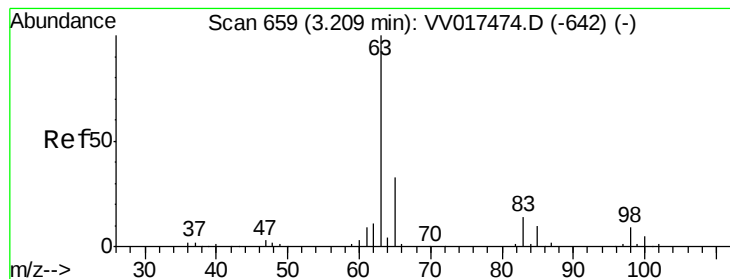
#18
trans-1,2-Dichloroethene
Concen: 11.587 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.00 min
Lab File: VV017475.D
Acq: 14 Jul 2020 10:42

Tgt Ion: 96 Resp: 92264
Ion Ratio Lower Upper
96 100
61 138.1 95.1 176.7
98 60.7 43.5 80.7



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0





#19

1,1-Dichloroethane

Concen: 10.440 ug/L

RT: 3.21 min Scan# 659

Delta R.T. 0.00 min

Lab File: VV017475.D

Acq: 14 Jul 2020 10:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD01032

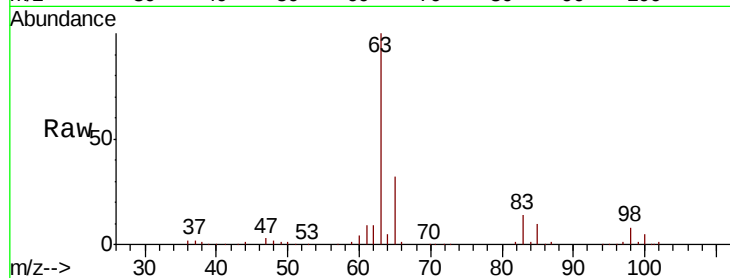
Tot Ion: 63 Resp: 179492

Ion Ratio Lower Upper

63 100

65 32.4 23.2 43.0

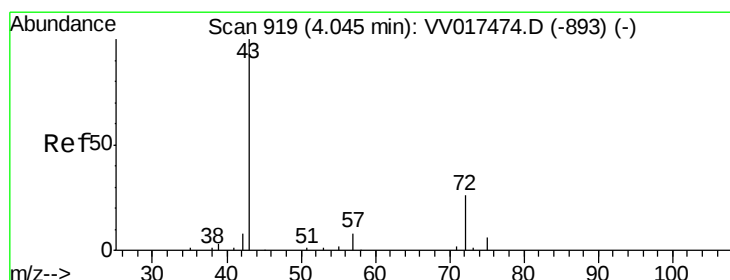
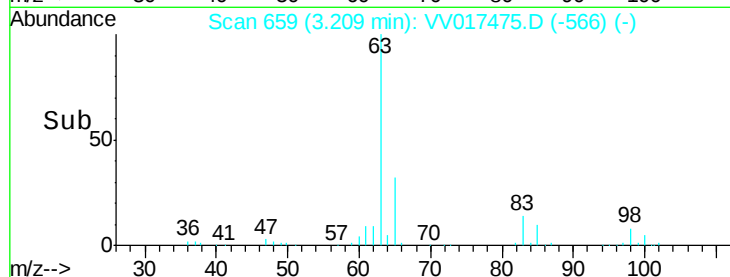
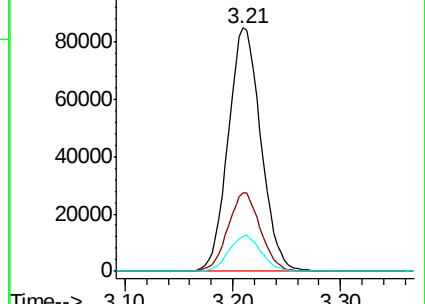
83 14.4 10.1 18.7



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



#21

2-Butanone

Concen: 93.174 ug/L

RT: 4.03 min Scan# 915

Delta R.T. -0.01 min

Lab File: VV017475.D

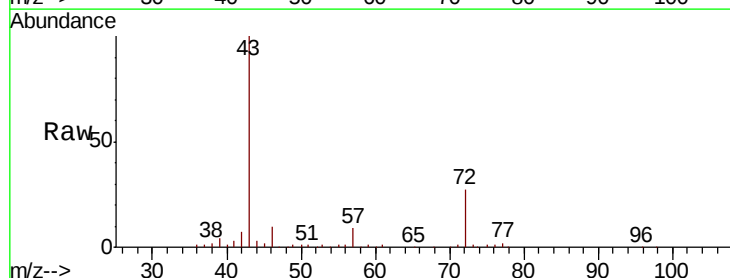
Acq: 14 Jul 2020 10:42

Tgt Ion: 43 Resp: 196516

Ion Ratio Lower Upper

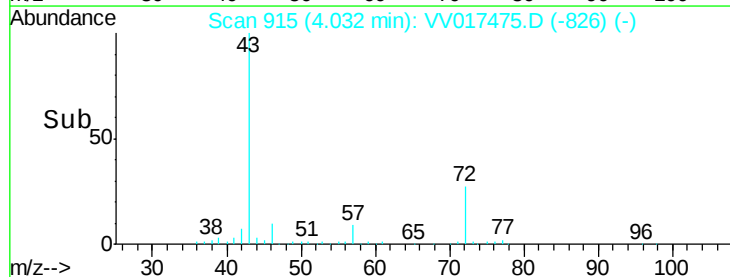
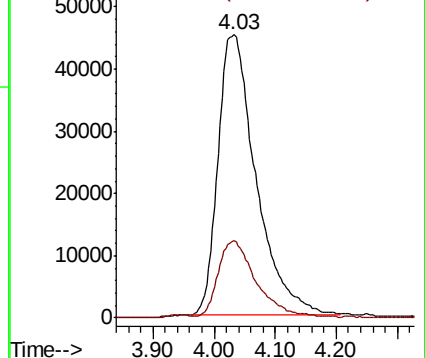
43 100

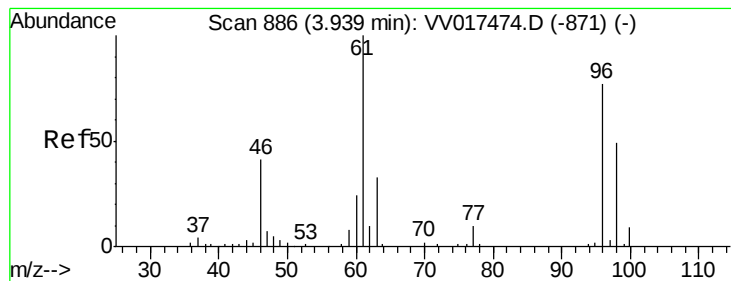
72 27.0 3.4 10.1#



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 72.00 (71.70 to 72.70): VV0





#22

cis-1,2-Dichloroethene

Concen: 9.890 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV017475.D

Acq: 14 Jul 2020 10:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD01032

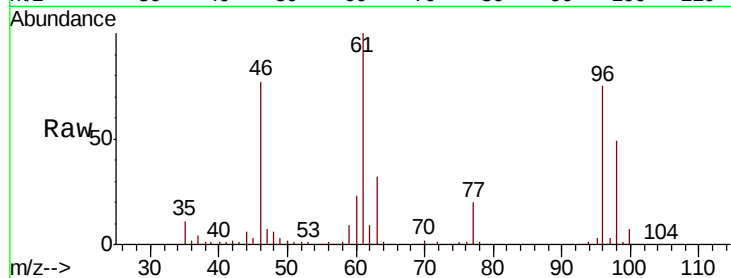
Tot Ion: 96 Resp: 101635

Ion Ratio Lower Upper

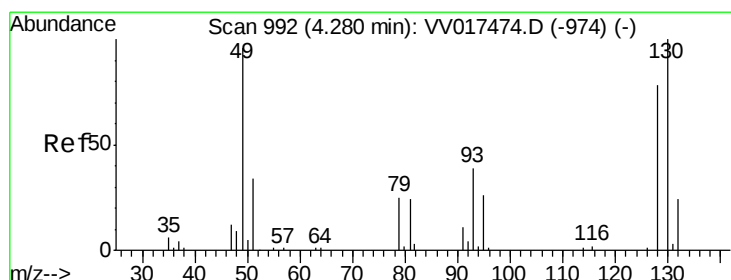
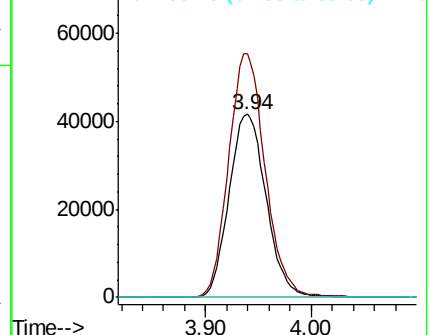
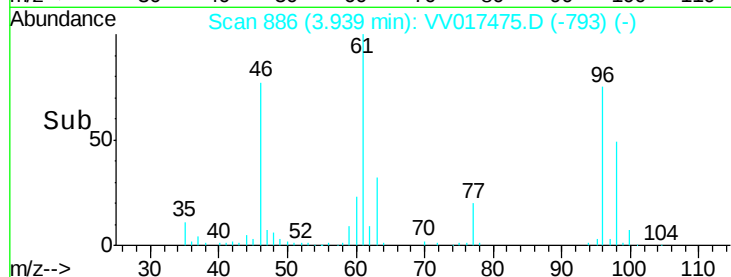
96 100

61 133.1 91.5 169.9

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV017475.D (-793) (-)



#23

Bromochloromethane

Concen: 10.360 ug/L

RT: 4.28 min Scan# 991

Delta R.T. -0.00 min

Lab File: VV017475.D

Acq: 14 Jul 2020 10:42

Tgt Ion: 128 Resp: 46201

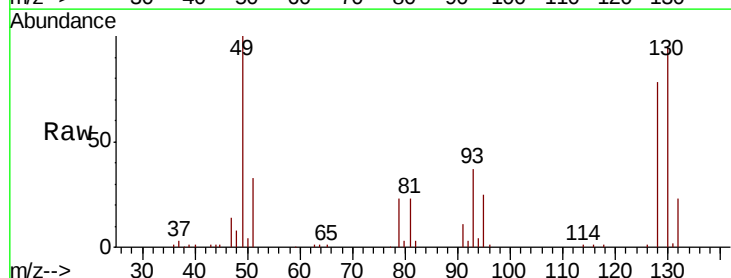
Ion Ratio Lower Upper

128 100

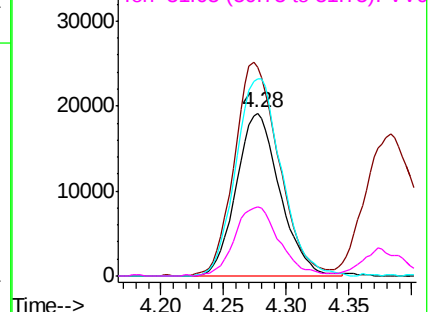
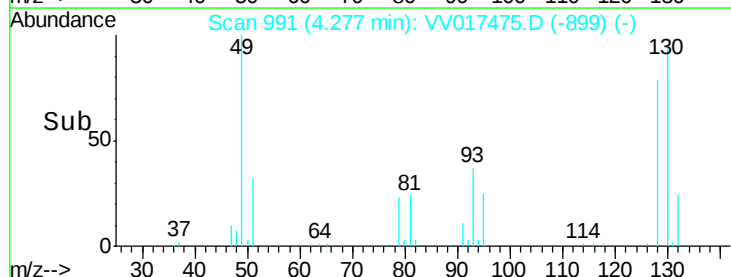
49 128.2 86.0 159.6

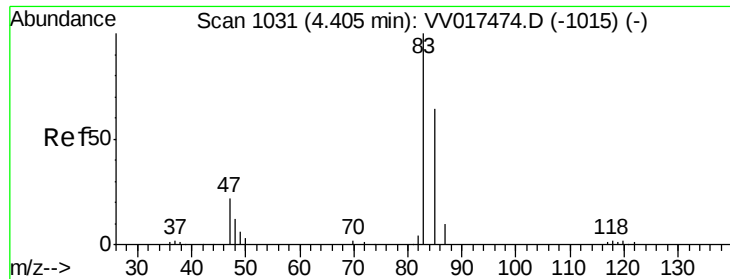
130 121.2 89.7 166.5

51 42.3 34.7 52.1



Abundance Ion 127.90 (127.60 to 128.60): VV017475.D (-899) (-)

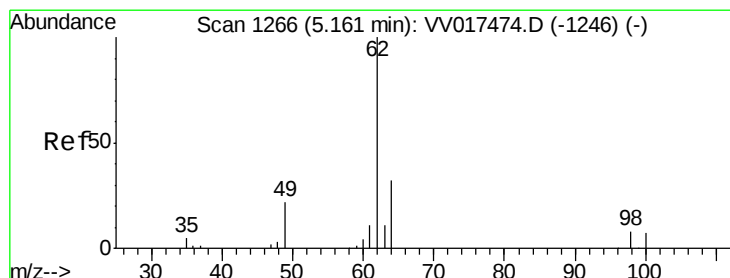
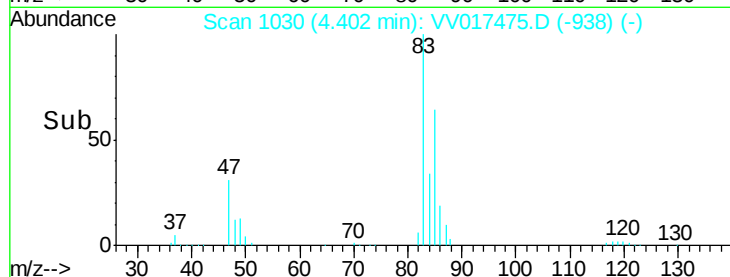
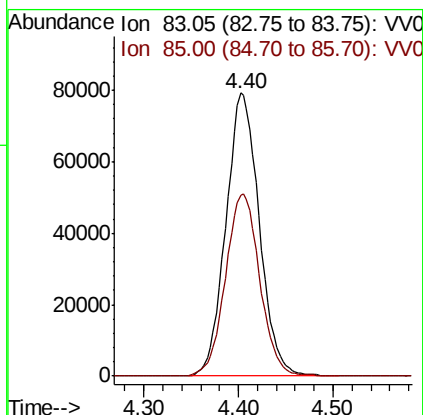
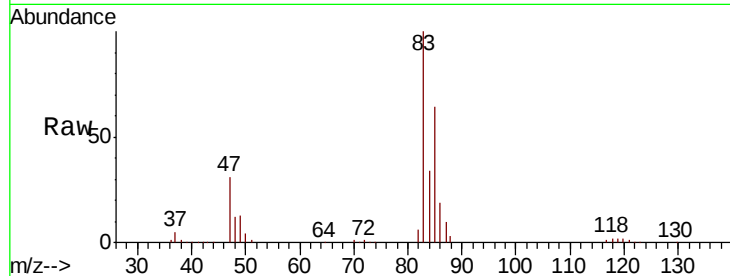




#25
Chloroform
Concen: 10.369 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV017475.D
Acq: 14 Jul 2020 10:42

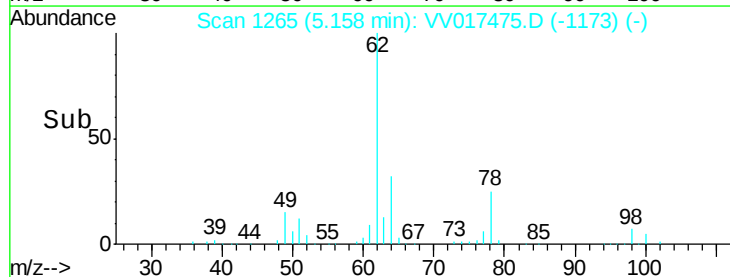
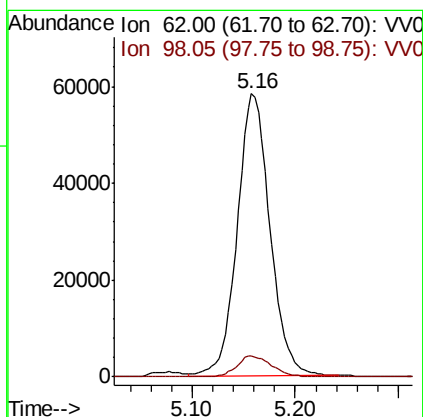
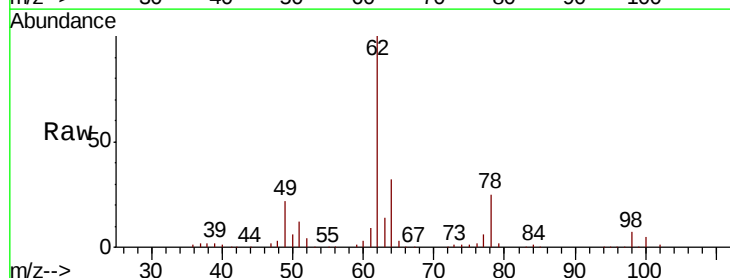
Instrument :
MSVOA_V
ClientSampleId :
VSTD01032

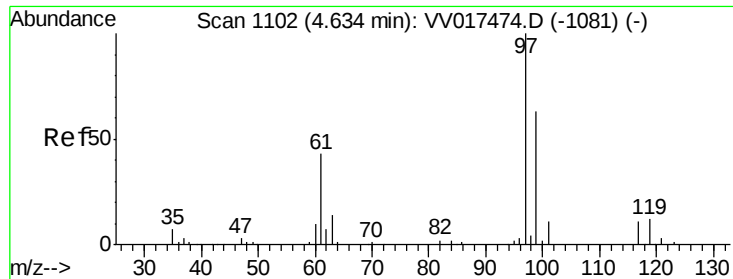
Tot Ion: 83 Resp: 194128
Ion Ratio Lower Upper
83 100
85 64.0 45.4 84.4



#27
1,2-Dichloroethane
Concen: 10.890 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VV017475.D
Acq: 14 Jul 2020 10:42

Tgt Ion: 62 Resp: 128886
Ion Ratio Lower Upper
62 100
98 7.4 6.2 9.2

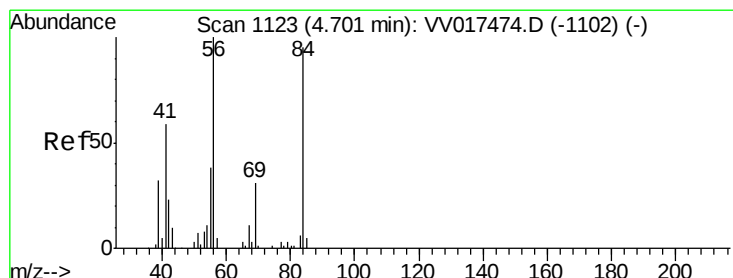
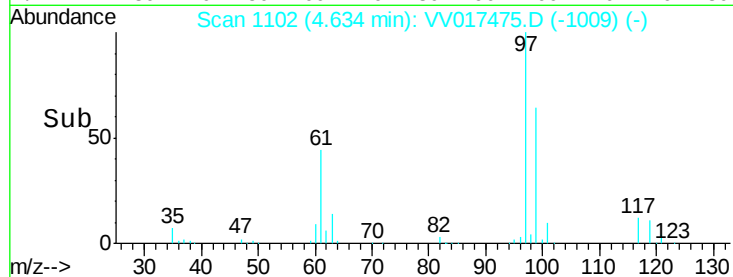
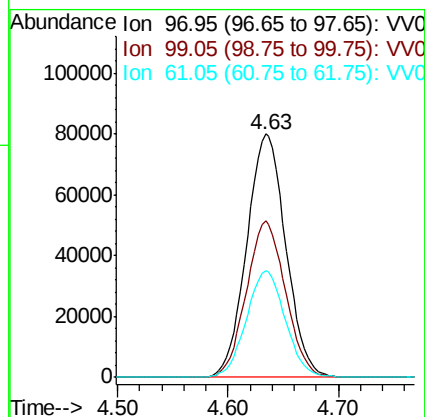
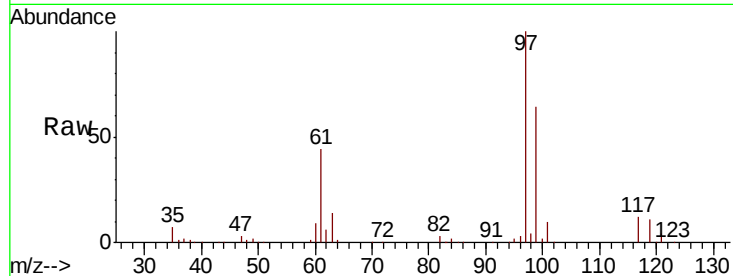




#29
 1,1,1-Trichloroethane
 Concen: 11.285 ug/L
 RT: 4.63 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VV017475.D
 Acq: 14 Jul 2020 10:42

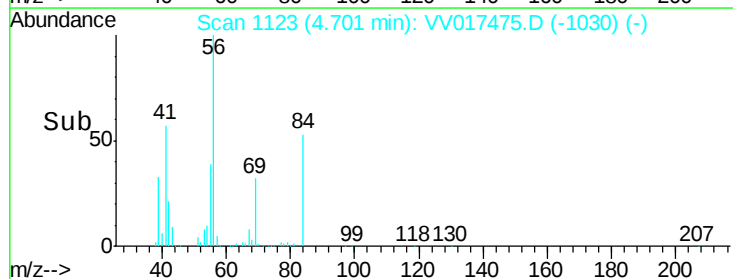
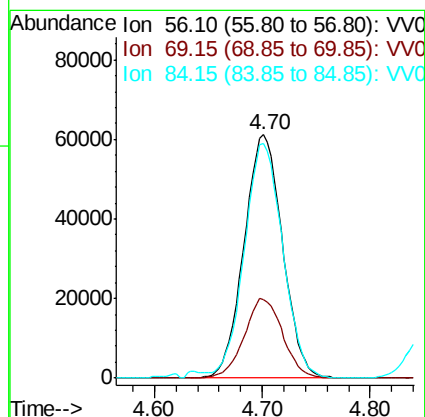
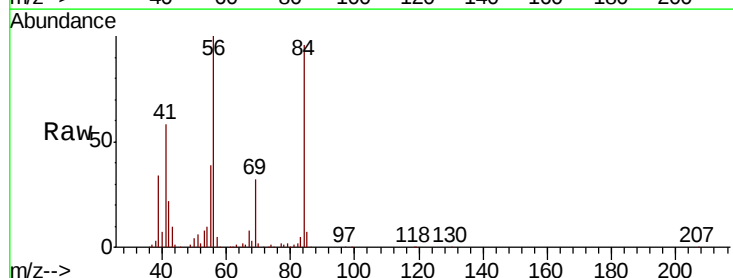
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01032

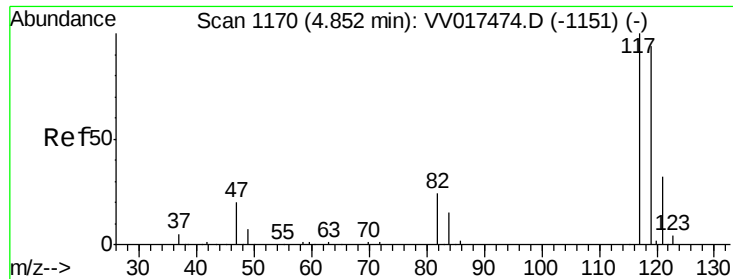
Tot Ion: 97 Resp: 196667
 Ion Ratio Lower Upper
 97 100
 99 64.4 49.1 73.7
 61 43.9 34.3 51.5



#30
 Cyclohexane
 Concen: 9.587 ug/L
 RT: 4.70 min Scan# 1123
 Delta R.T. 0.00 min
 Lab File: VV017475.D
 Acq: 14 Jul 2020 10:42

Tgt Ion: 56 Resp: 151807
 Ion Ratio Lower Upper
 56 100
 69 32.7 26.0 39.0
 84 96.1 77.9 116.9





#31

Carbon tetrachloride

Concen: 11.713 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV017475.D

Acq: 14 Jul 2020 10:42

Instrument :

MSVOA_V

ClientSampleId :

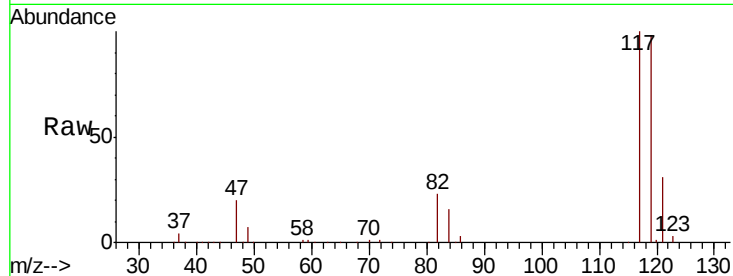
VSTD01032

Tot Ion:117 Resp: 185239

Ion Ratio Lower Upper

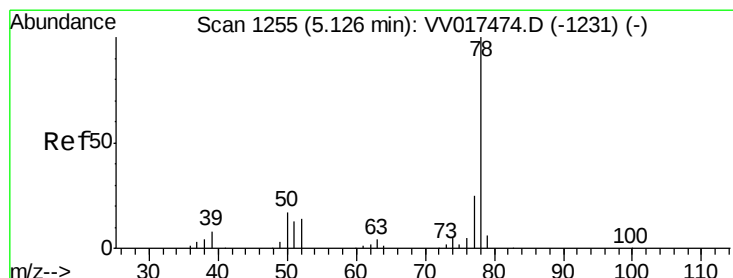
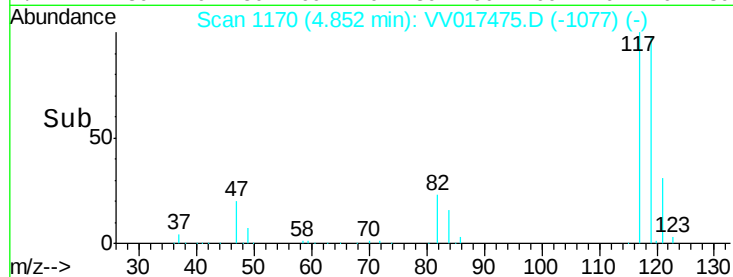
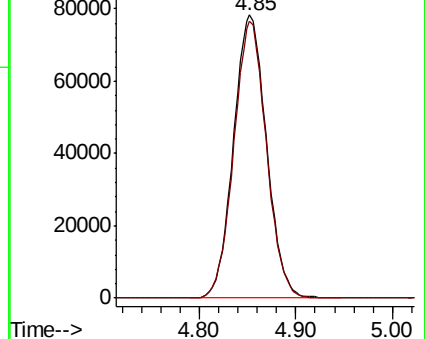
117 100

119 96.3 77.6 116.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 10.163 ug/L

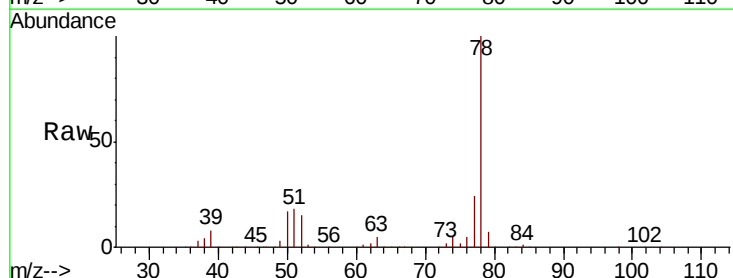
RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

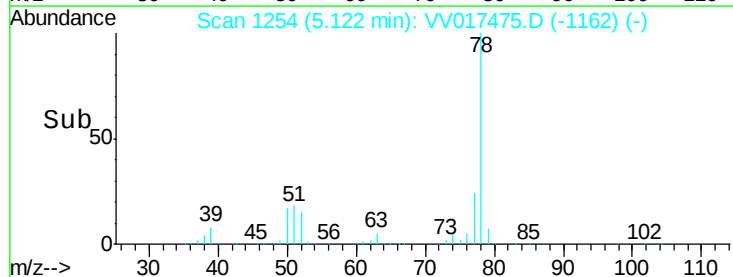
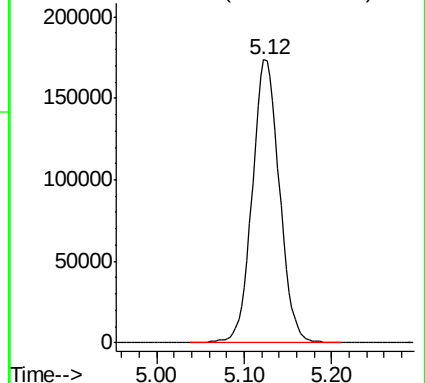
Lab File: VV017475.D

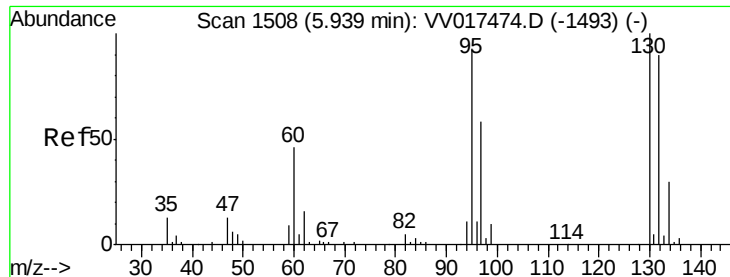
Acq: 14 Jul 2020 10:42

Tgt Ion: 78 Resp: 374914



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 10.042 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV017475.D

Acq: 14 Jul 2020 10:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD01032

Tot Ion: 95 Resp: 109201

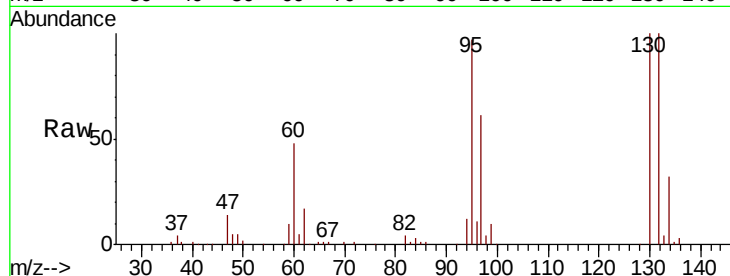
Ion Ratio Lower Upper

95 100

97 63.2 43.9 81.5

132 103.0 67.9 126.1

130 102.8 75.2 139.6

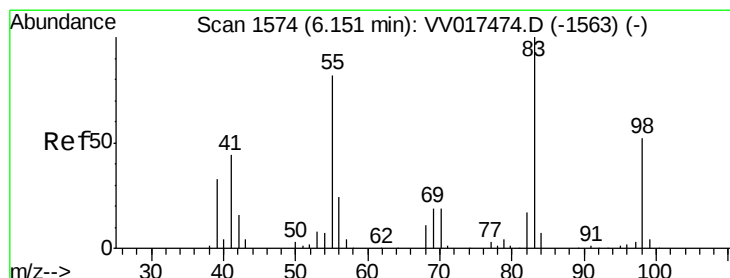
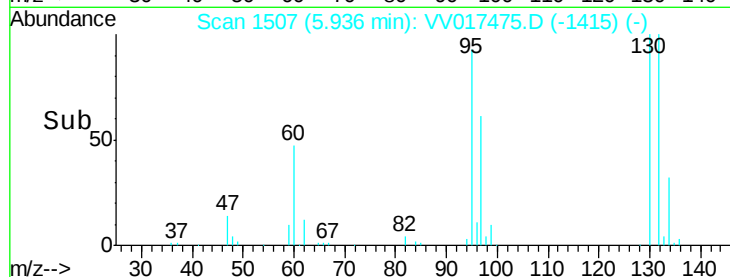
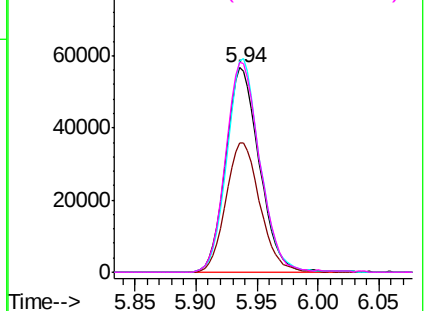


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 10.330 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV017475.D

Acq: 14 Jul 2020 10:42

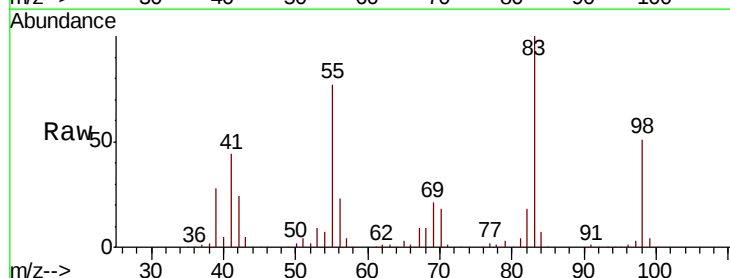
Tgt Ion: 83 Resp: 172495

Ion Ratio Lower Upper

83 100

55 75.9 62.0 93.0

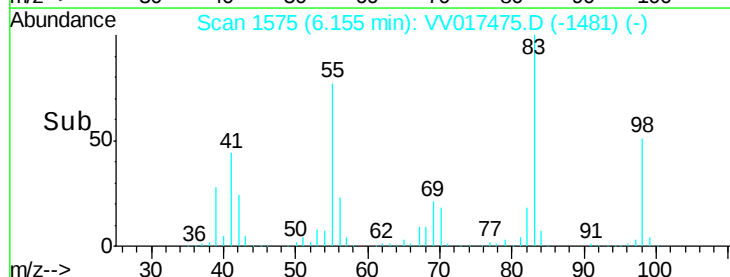
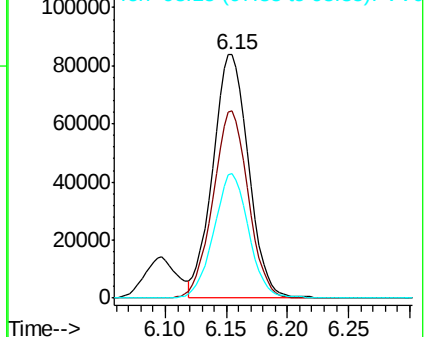
98 50.2 41.4 62.2

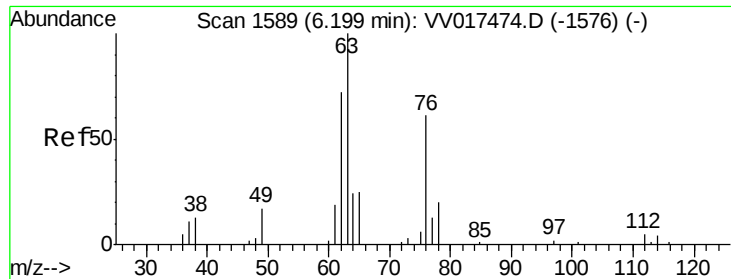


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

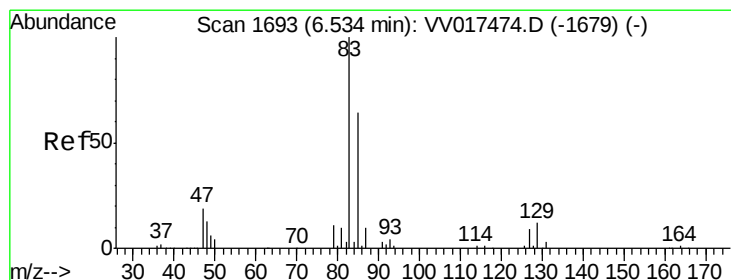
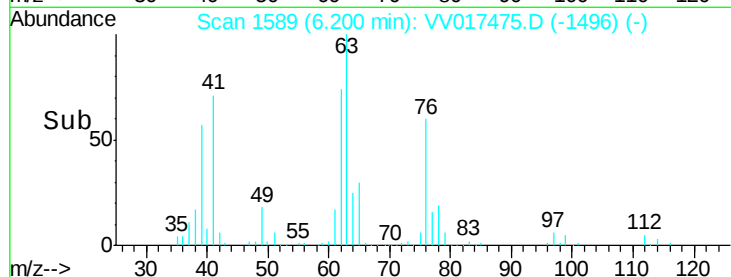
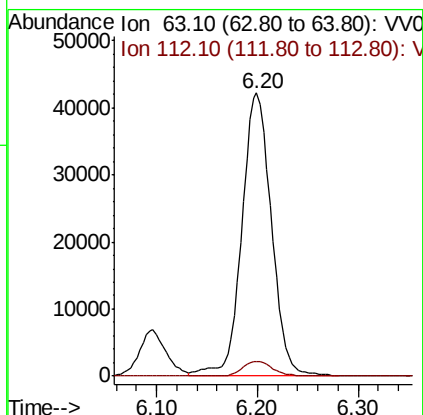
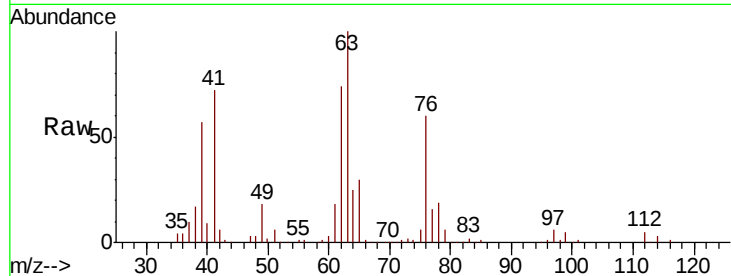




#37
 1,2-Dichloropropane
 Concen: 9.529 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV017475.D
 Acq: 14 Jul 2020 10:42

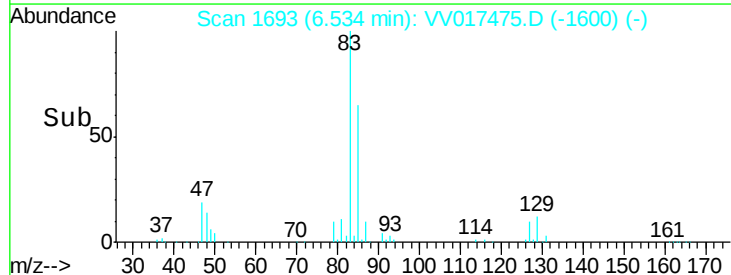
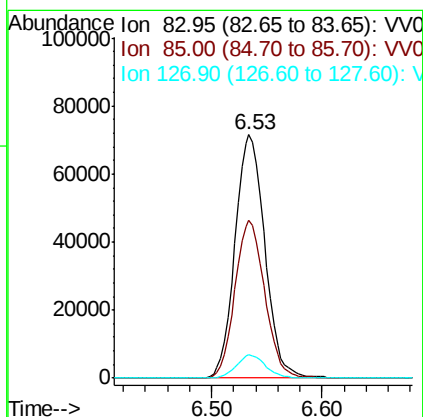
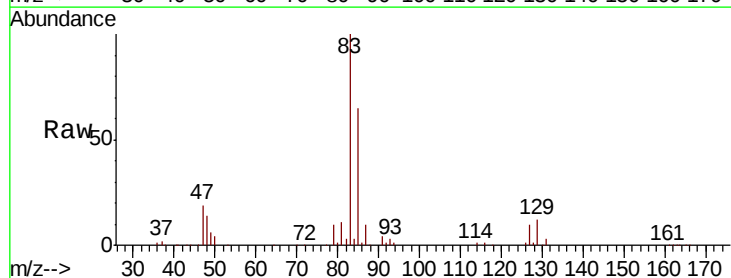
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01032

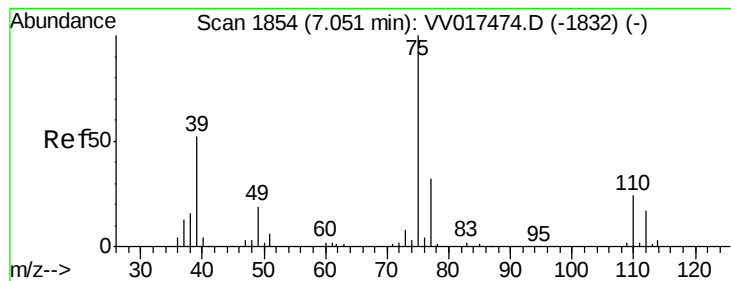
Tot Ion: 63 Resp: 84907
 Ion Ratio Lower Upper
 63 100
 112 5.3 4.4 6.6



#38
 Bromodichloromethane
 Concen: 10.611 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV017475.D
 Acq: 14 Jul 2020 10:42

Tgt Ion: 83 Resp: 133961
 Ion Ratio Lower Upper
 83 100
 85 64.6 45.0 83.6
 127 9.8 7.5 11.3



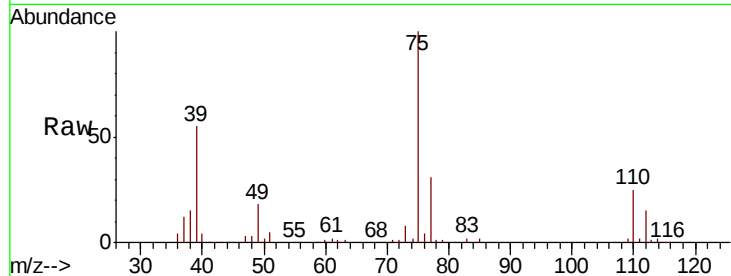


#39

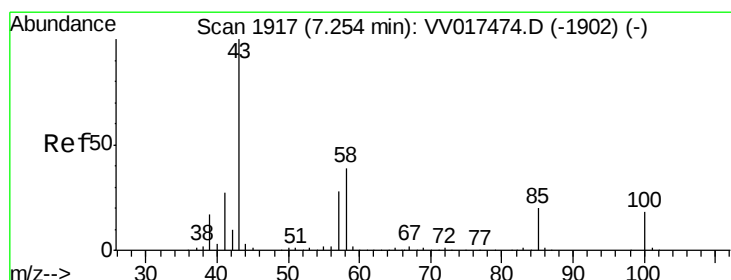
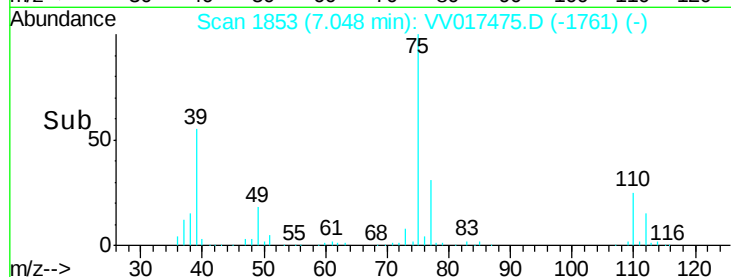
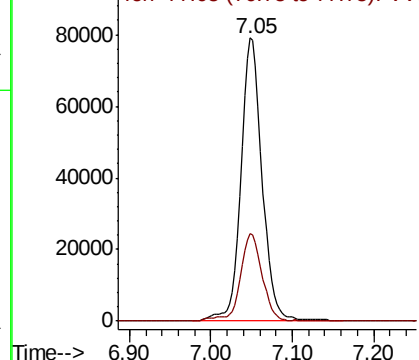
cis-1,3-Dichloropropene
Concen: 10.573 ug/L
RT: 7.05 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VV017475.D
Acq: 14 Jul 2020 10:42

Instrument :
MSVOA_V
ClientSampleId :
VSTD01032

Tot Ion: 75 Resp: 143433
Ion Ratio Lower Upper
75 100
77 30.8 22.3 41.5



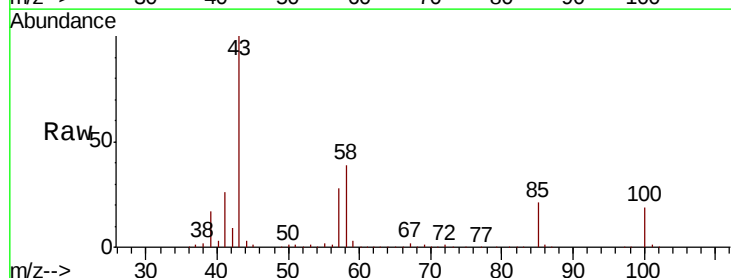
Abundance Ion 75.05 (74.75 to 75.75): VV0
Ion 77.05 (76.75 to 77.75): VV0



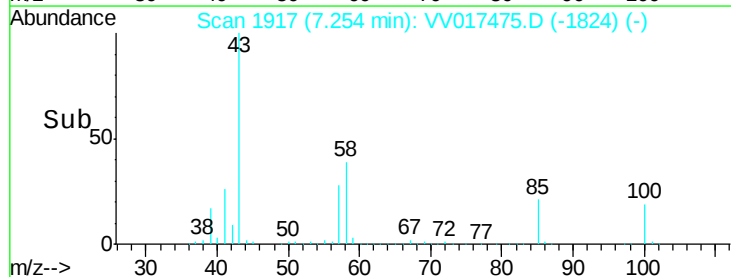
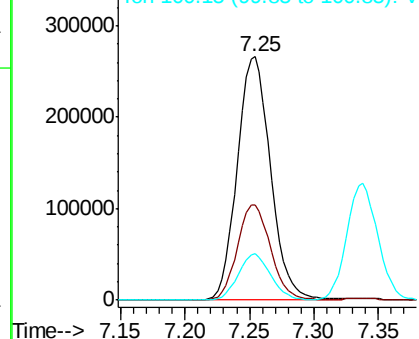
#40

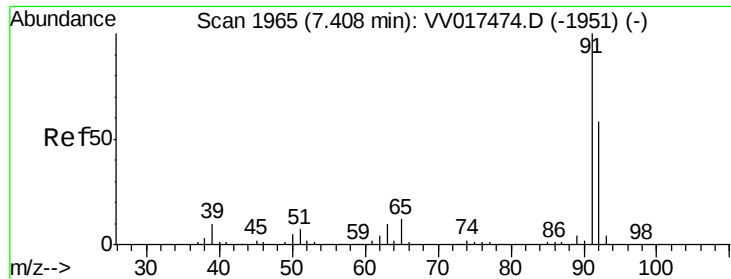
4-Methyl-2-pentanone
Concen: 93.013 ug/L
RT: 7.25 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VV017475.D
Acq: 14 Jul 2020 10:42

Tgt Ion: 43 Resp: 478681
Ion Ratio Lower Upper
43 100
58 39.0 31.0 46.4
100 18.4 14.4 21.6



Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 100.15 (99.85 to 100.85): VV0





#42

Toluene

Concen: 9.854 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV017475.D

Acq: 14 Jul 2020 10:42

Instrument :

MSVOA_V

ClientSampleId :

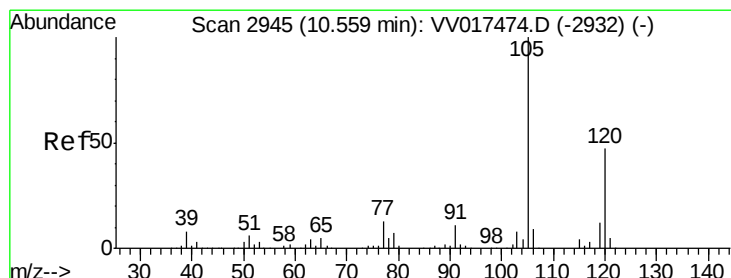
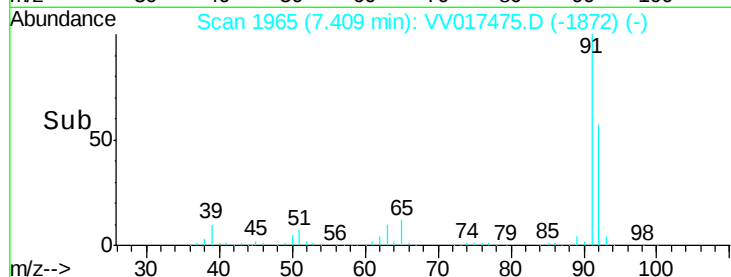
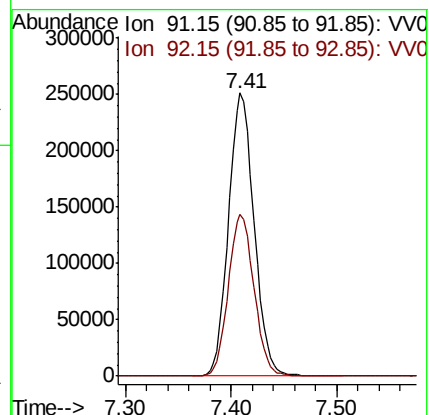
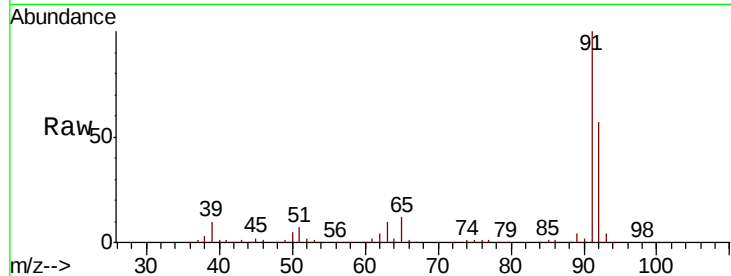
VSTD01032

Tot Ion: 91 Resp: 421840

Ion Ratio Lower Upper

91 100

92 57.3 40.7 75.5



#43

1,3,5-Trimethylbenzene

Concen: 11.384 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VV017475.D

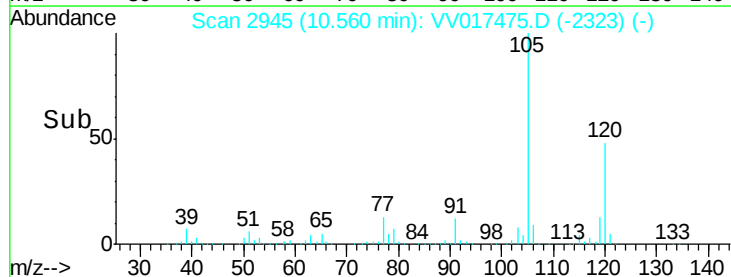
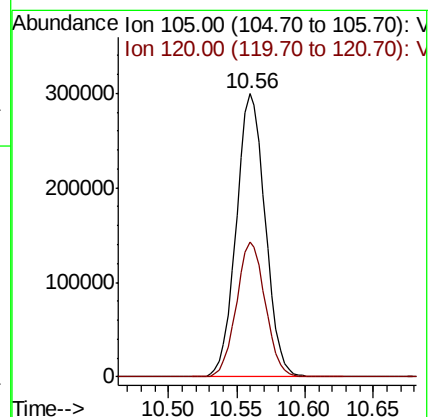
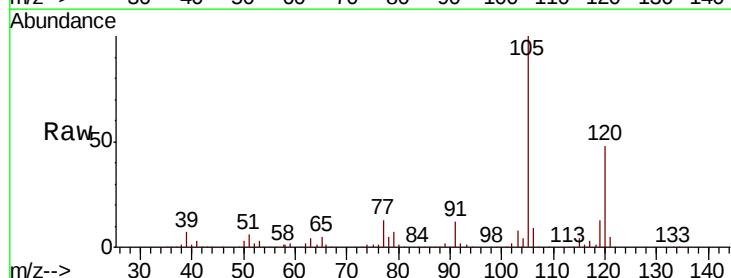
Acq: 14 Jul 2020 10:42

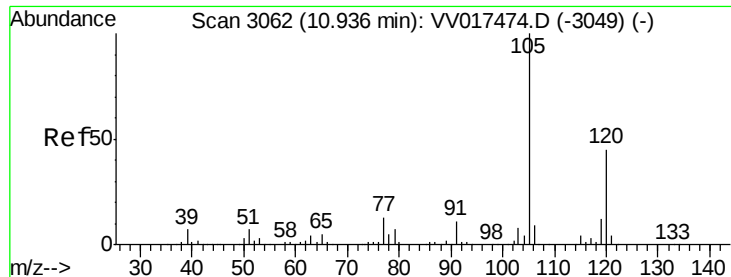
Tgt Ion: 105 Resp: 440821

Ion Ratio Lower Upper

105 100

120 47.6 38.6 58.0





#44

1,2,4-Trimethylbenzene

Concen: 11.294 ug/L

RT: 10.94 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VV017475.D

Acq: 14 Jul 2020 10:42

Instrument :

MSVOA_V

ClientSampleId :

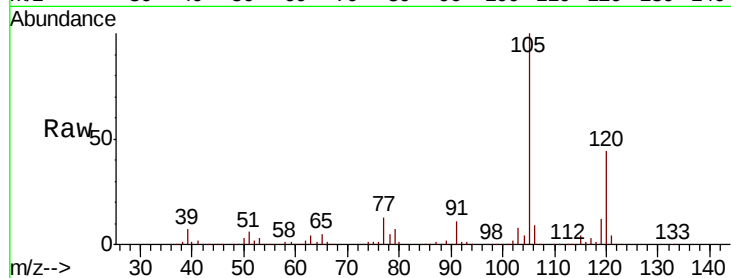
VSTD01032

Tot Ion:105 Resp: 443686

Ion Ratio Lower Upper

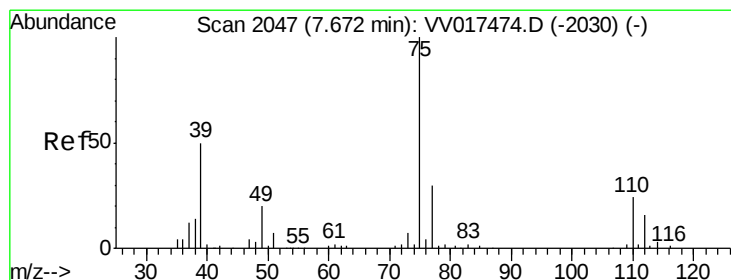
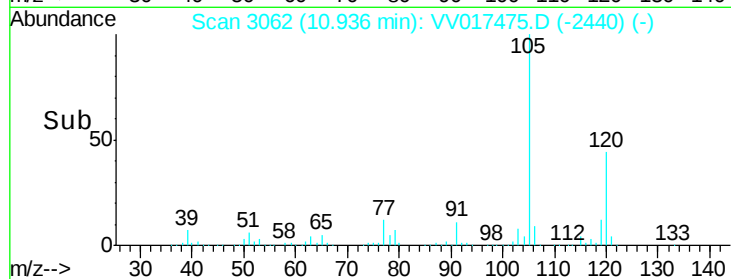
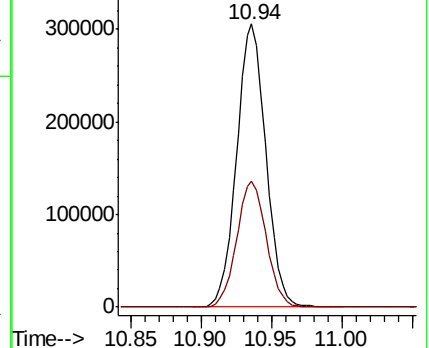
105 100

120 45.0 35.6 53.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#46

trans-1,3-Dichloropropene

Concen: 10.755 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV017475.D

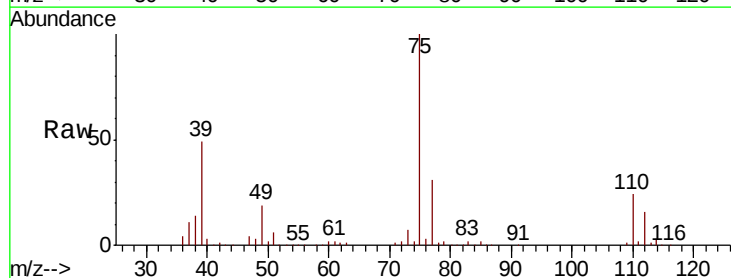
Acq: 14 Jul 2020 10:42

Tgt Ion: 75 Resp: 127702

Ion Ratio Lower Upper

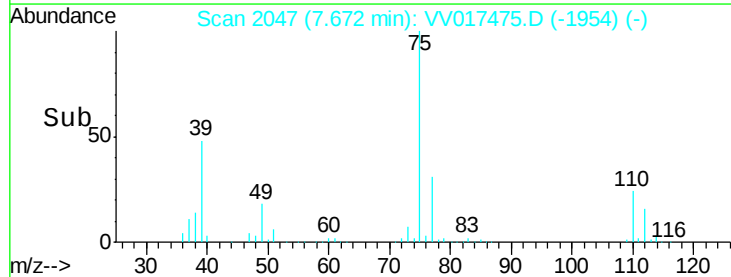
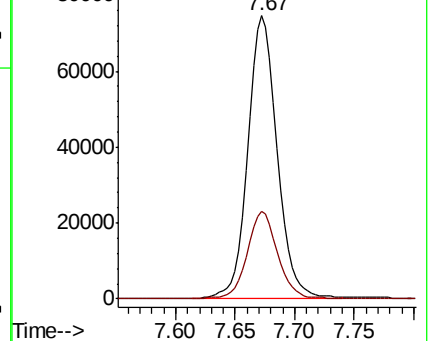
75 100

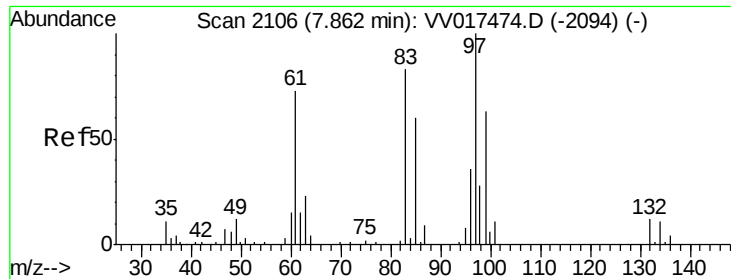
77 31.1 21.2 39.4



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

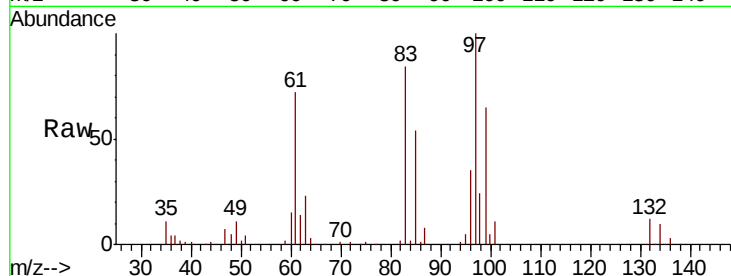




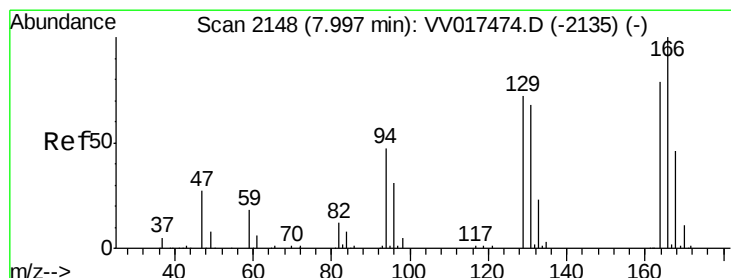
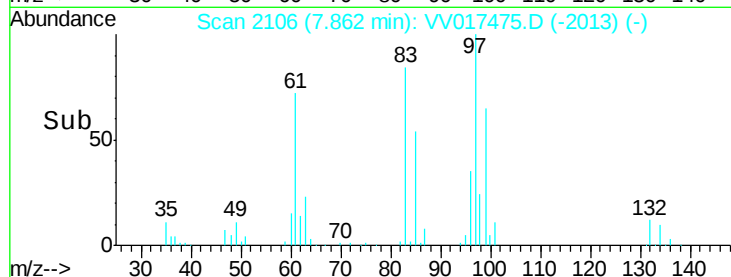
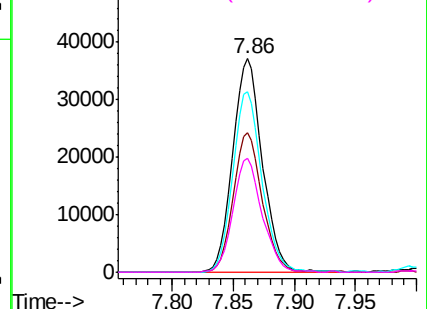
#47
 1,1,2-Trichloroethane
 Concen: 9.831 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VV017475.D
 Acq: 14 Jul 2020 10:42

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01032

Tot Ion:	97	Resp:	63199
Ion	Ratio	Lower	Upper
97	100		
99	65.3	44.0	81.6
83	84.5	57.7	107.3
85	53.5	41.9	77.9

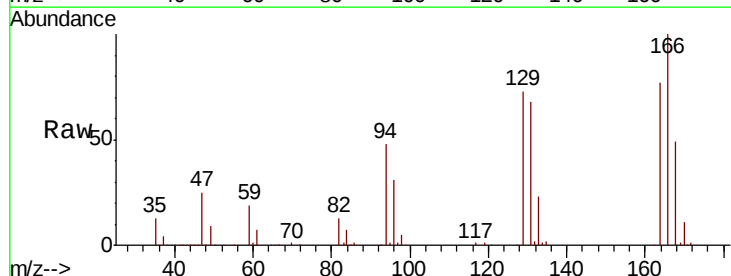


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

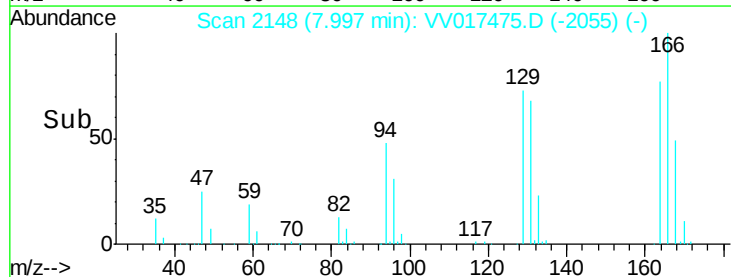
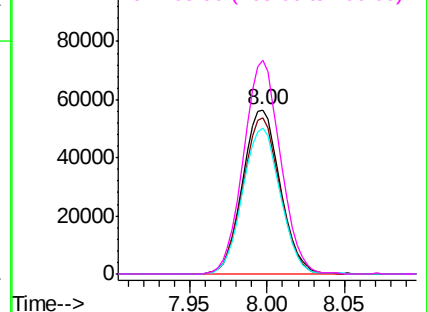


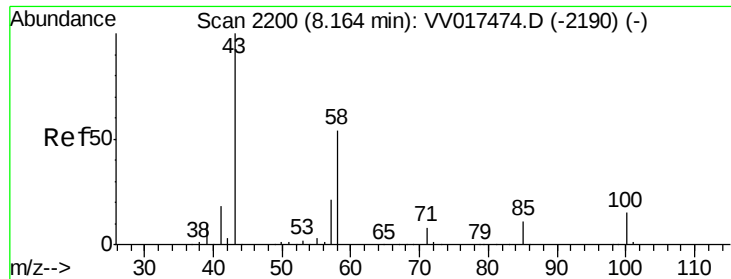
#49
 Tetrachloroethene
 Concen: 10.756 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV017475.D
 Acq: 14 Jul 2020 10:42

Tgt Ion:	164	Resp:	95608
Ion	Ratio	Lower	Upper
164	100		
129	94.8	64.1	119.1
131	88.6	60.6	112.6
166	130.1	88.8	164.8



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

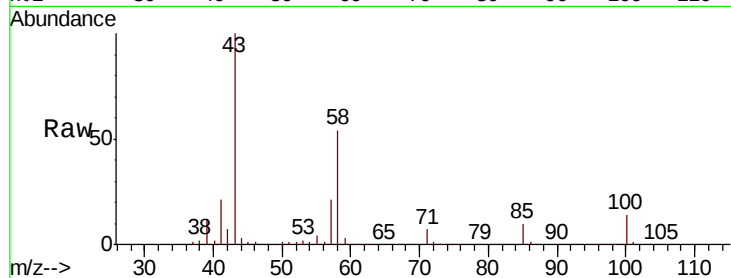




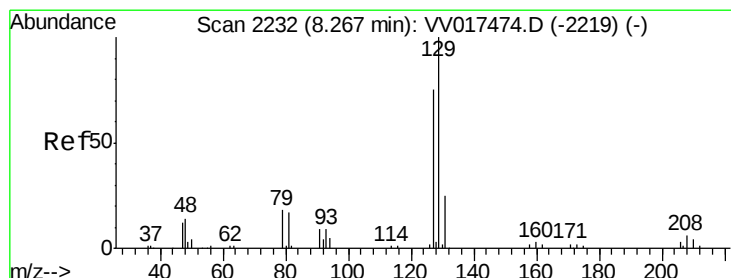
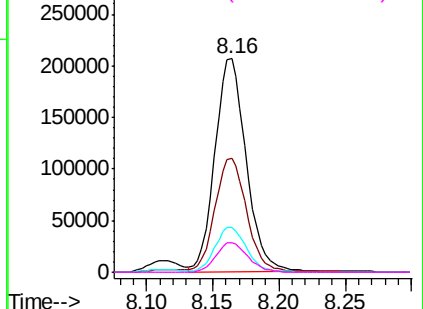
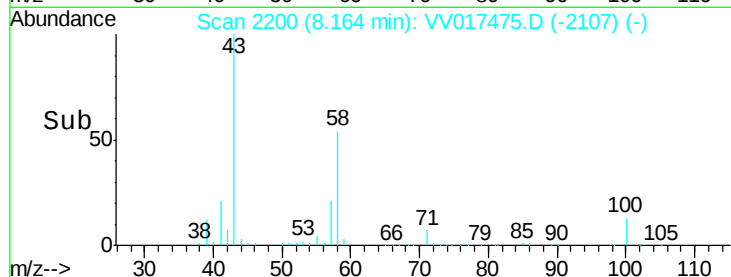
#50
2-Hexanone
Concen: 92.341 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VV017475.D
Acq: 14 Jul 2020 10:42

Instrument :
MSVOA_V
ClientSampleId :
VSTD01032

Tot Ion:	43	Resp:	338017
Ion	Ratio	Lower	Upper
43	100		
58	54.3	43.0	64.4
57	21.3	16.8	25.2
100	14.5	11.8	17.6

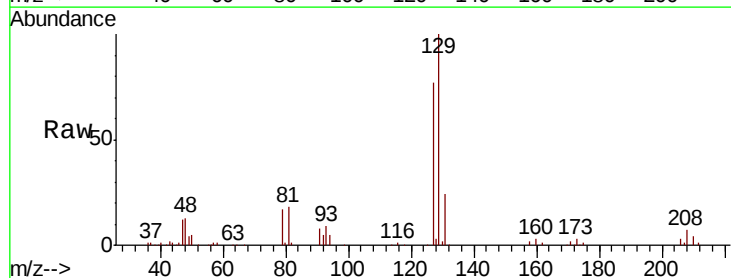


Abundance Ion 43.05 (42.75 to 43.75): VV017475.D (-2107) (-)

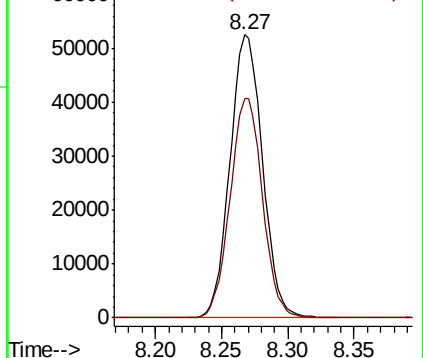
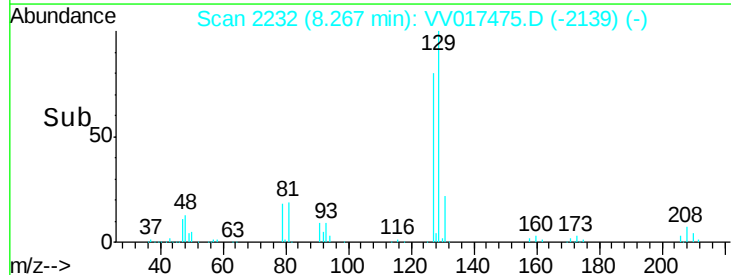


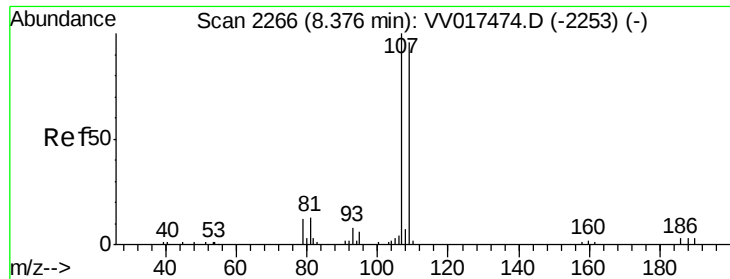
#51
Dibromochloromethane
Concen: 11.123 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV017475.D
Acq: 14 Jul 2020 10:42

Tgt Ion:	129	Resp:	89402
Ion	Ratio	Lower	Upper
129	100		
127	77.4	52.4	97.4



Abundance Ion 128.95 (128.65 to 129.65): VV017475.D (-2139) (-)





#52

1,2-Dibromoethane

Concen: 10.137 ug/L

RT: 8.38 min Scan# 2266

Delta R.T. 0.00 min

Lab File: VV017475.D

Acq: 14 Jul 2020 10:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD01032

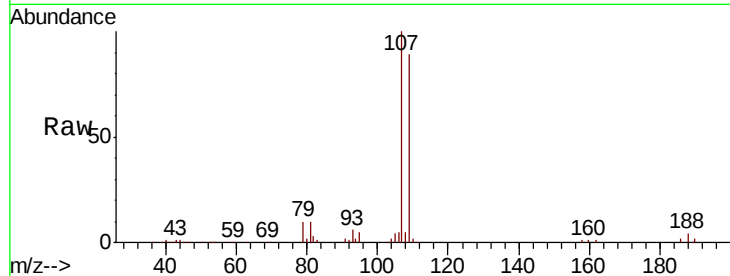
Tot Ion:107 Resp: 62226

Ion Ratio Lower Upper

107 100

109 88.9 67.0 124.4

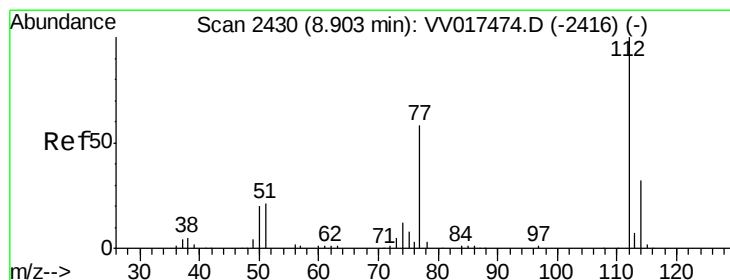
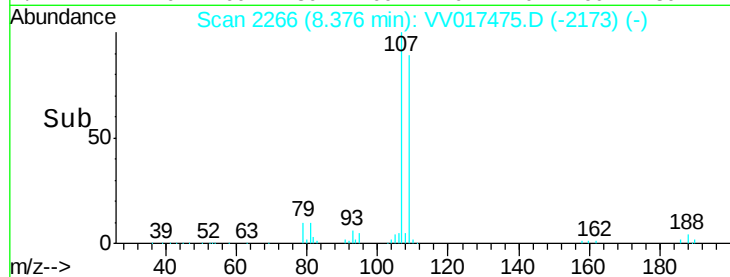
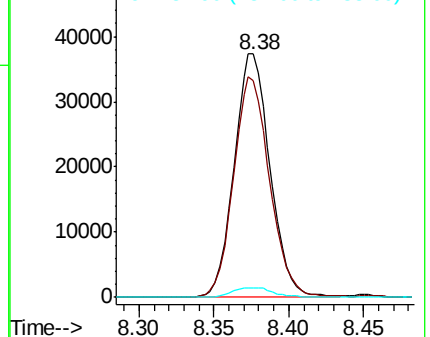
188 4.1 2.7 4.1#



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: 10.218 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV017475.D

Acq: 14 Jul 2020 10:42

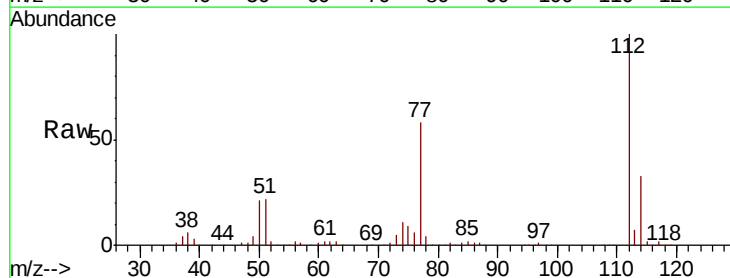
Tgt Ion:112 Resp: 274599

Ion Ratio Lower Upper

112 100

114 33.0 22.4 41.6

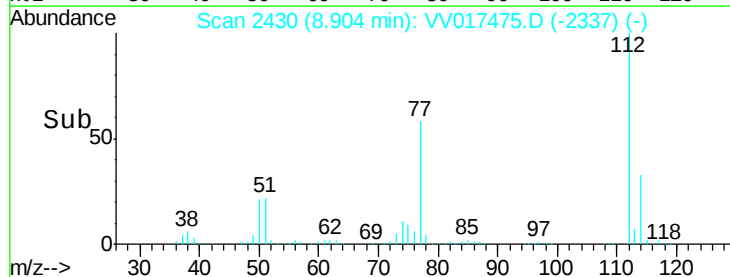
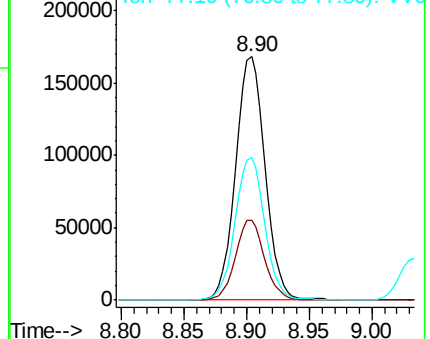
77 58.4 47.0 70.4

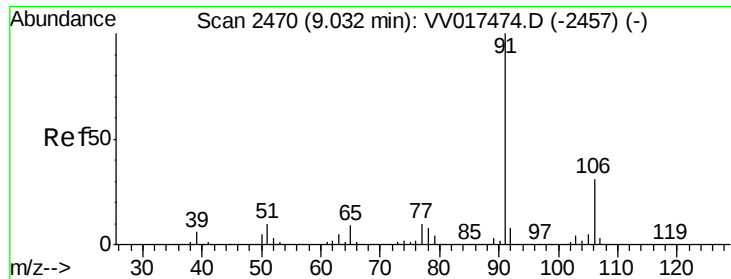


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0

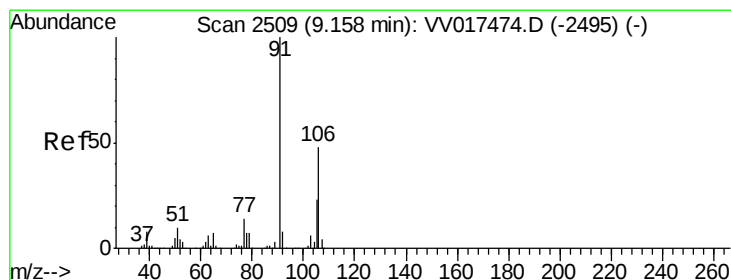
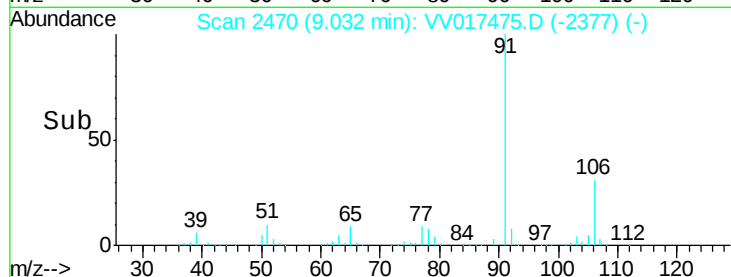
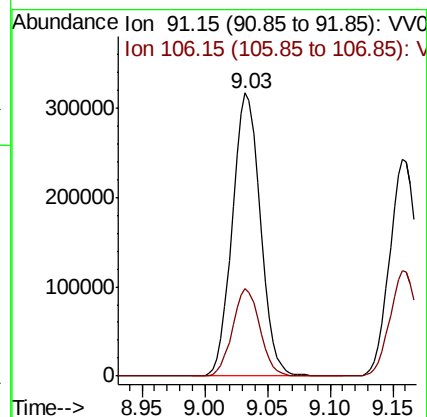
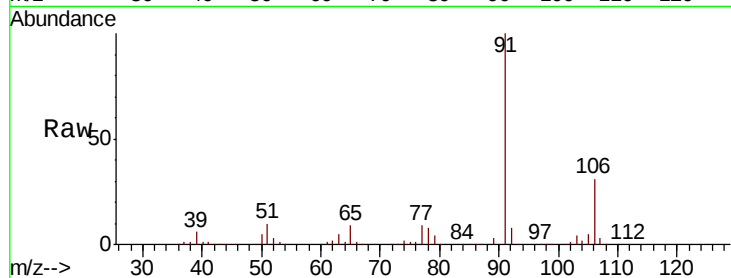




#54
Ethylbenzene
Concen: 10.713 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VV017475.D
Acq: 14 Jul 2020 10:42

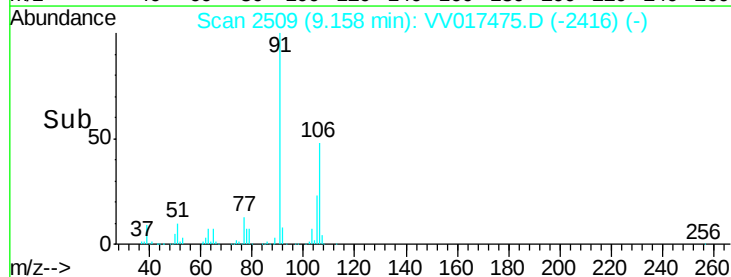
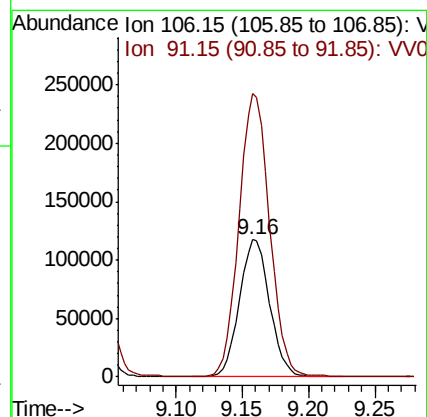
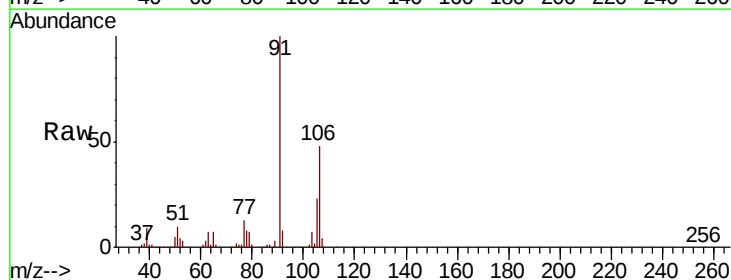
Instrument :
MSVOA_V
ClientSampleId :
VSTD01032

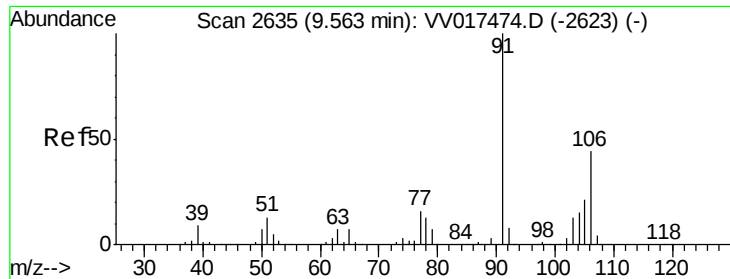
Tot Ion: 91 Resp: 491092
Ion Ratio Lower Upper
91 100
106 30.8 21.9 40.7



#55
m,p-xylene
Concen: 10.332 ug/L
RT: 9.16 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VV017475.D
Acq: 14 Jul 2020 10:42

Tgt Ion: 106 Resp: 185730
Ion Ratio Lower Upper
106 100
91 206.4 144.2 267.8

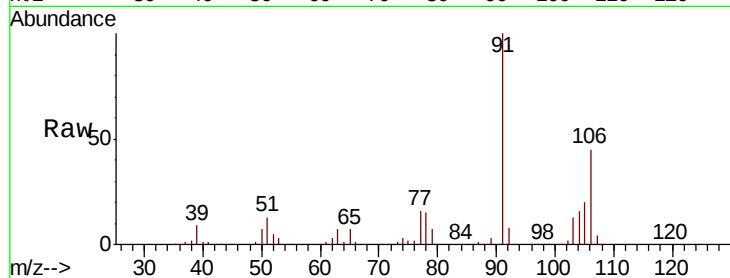




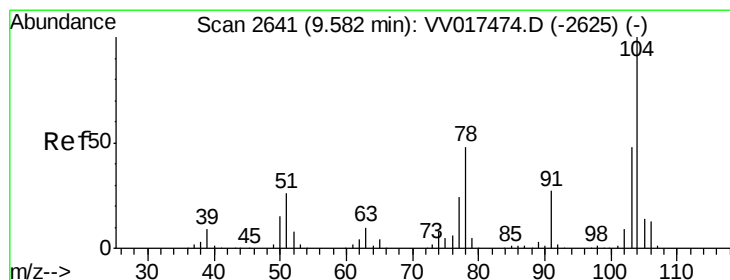
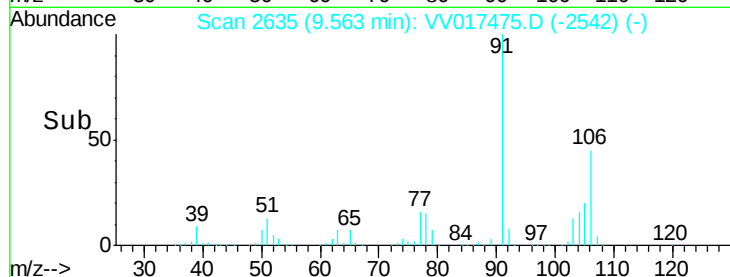
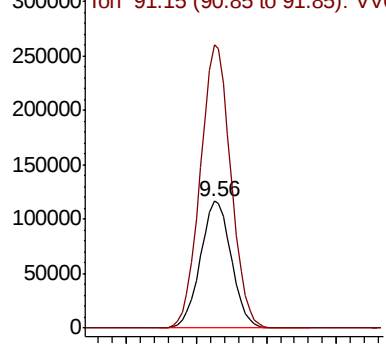
#56
o-xylene
Concen: 10.713 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. 0.00 min
Lab File: VV017475.D
Acq: 14 Jul 2020 10:42

Instrument :
MSVOA_V
ClientSampleId :
VSTD01032

Tot Ion:106 Resp: 179443
Ion Ratio Lower Upper
106 100
91 223.0 158.8 294.8

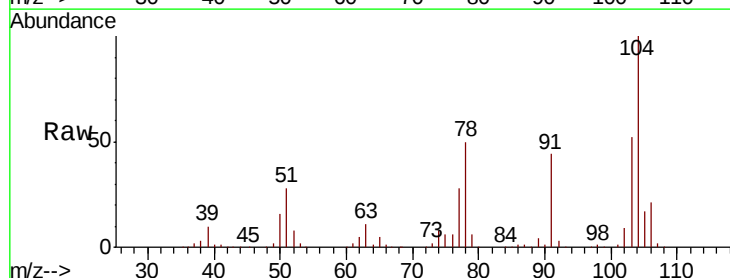


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

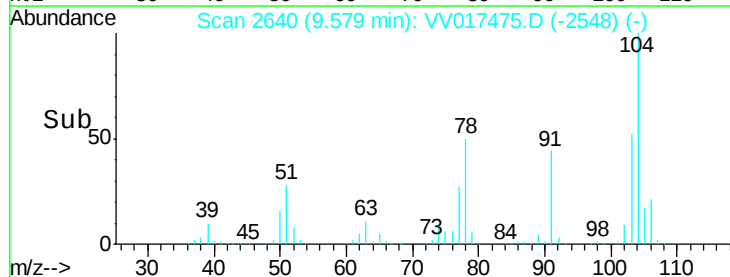
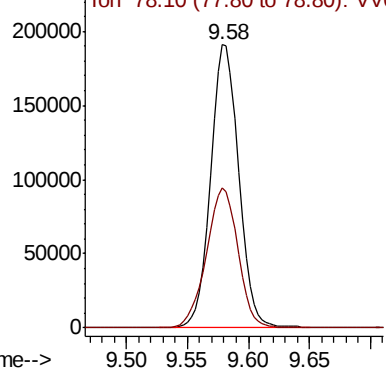


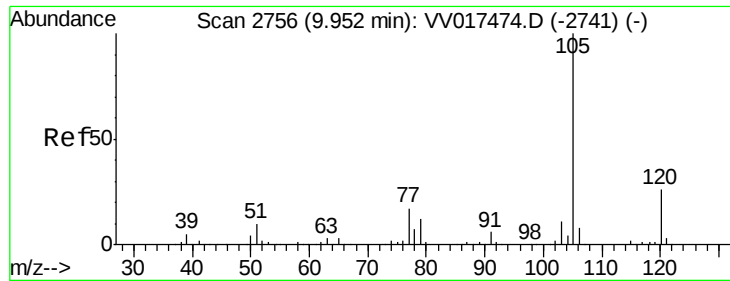
#57
Styrene
Concen: 10.818 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. -0.00 min
Lab File: VV017475.D
Acq: 14 Jul 2020 10:42

Tgt Ion:104 Resp: 302848
Ion Ratio Lower Upper
104 100
78 49.6 33.5 62.1



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





#58

Isopropylbenzene

Concen: 10.838 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV017475.D

Acq: 14 Jul 2020 10:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD01032

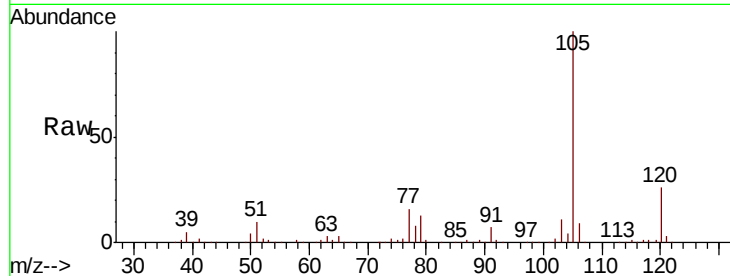
Tot Ion:105 Resp: 504082

Ion Ratio Lower Upper

105 100

120 26.1 21.3 31.9

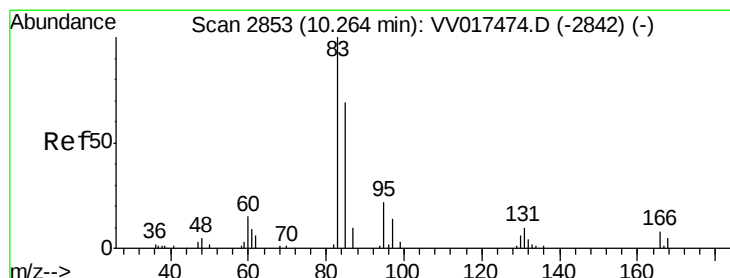
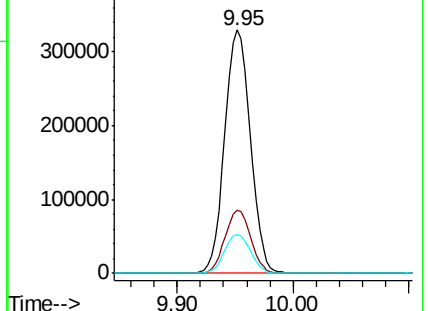
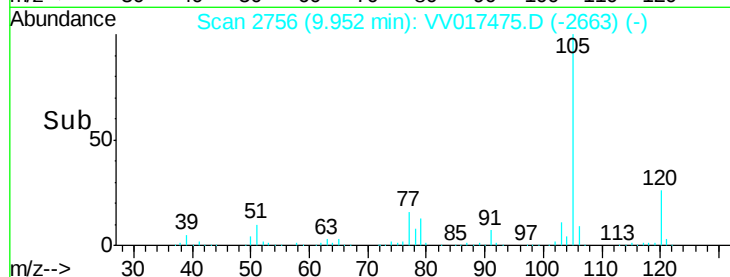
77 16.2 13.3 19.9



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: 9.994 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV017475.D

Acq: 14 Jul 2020 10:42

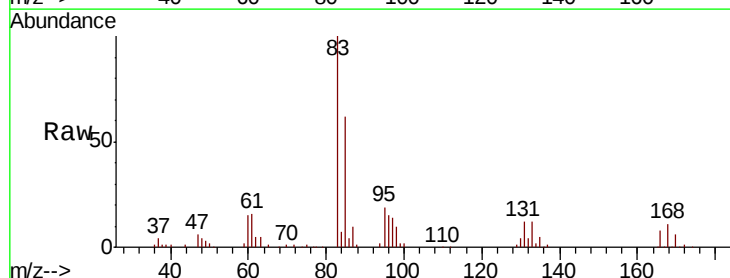
Tgt Ion: 83 Resp: 66148

Ion Ratio Lower Upper

83 100

85 62.4 49.1 91.3

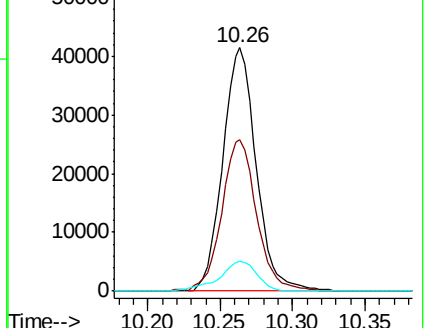
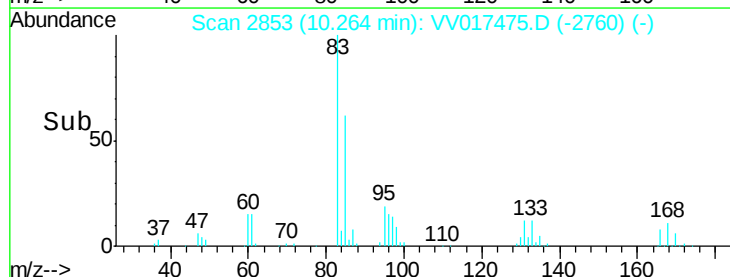
131 12.2 9.8 14.6

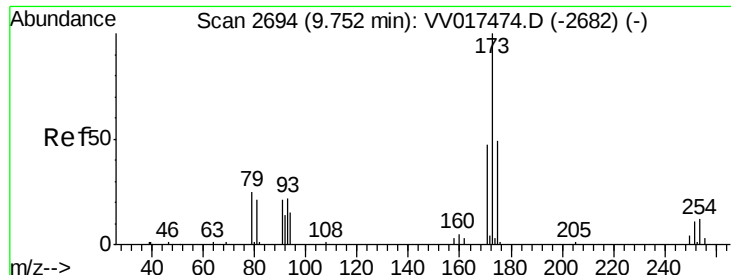


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#62

Bromoform

Concen: 11.658 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV017475.D

Acq: 14 Jul 2020 10:42

Instrument :
MSVOA_V
ClientSampleId :
VSTD01032

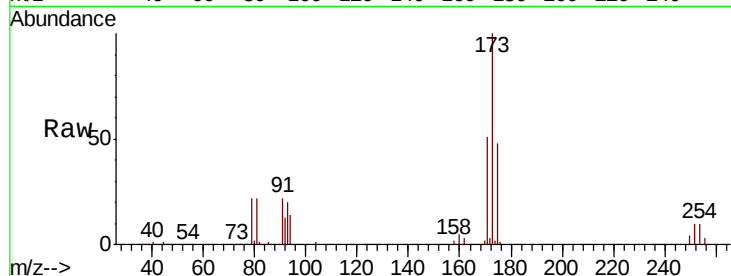
Tot Ion:173 Resp: 51203

Ion Ratio Lower Upper

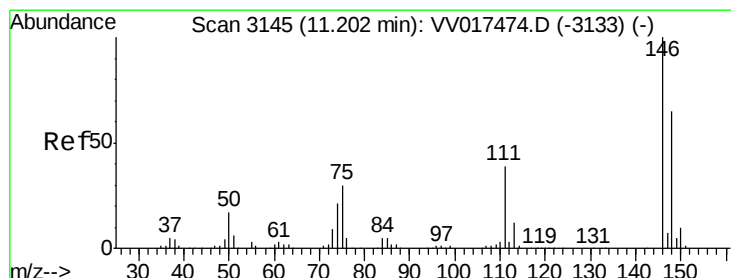
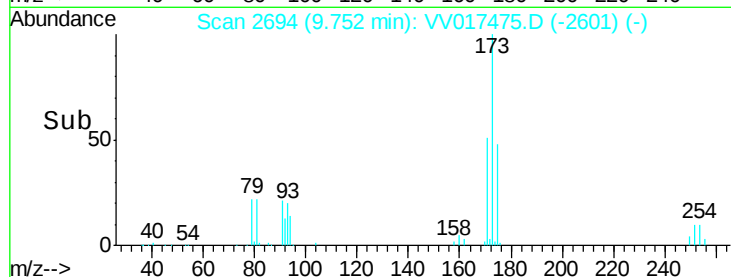
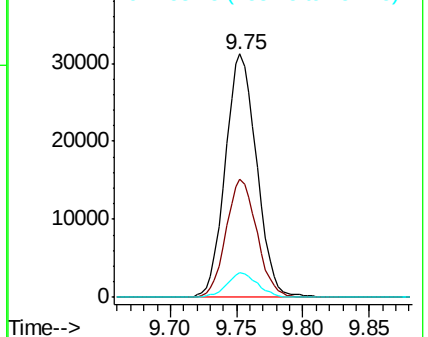
173 100

175 47.6 39.8 59.8

254 9.9 8.5 12.7



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: 10.192 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV017475.D

Acq: 14 Jul 2020 10:42

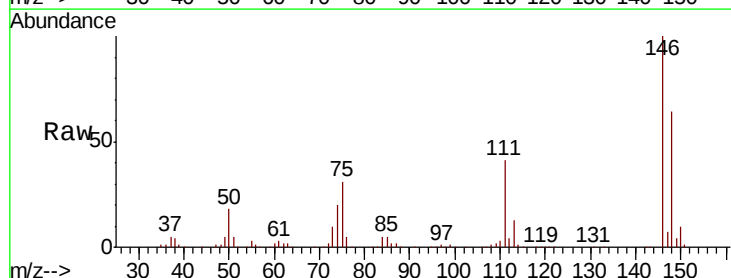
Tgt Ion:146 Resp: 243566

Ion Ratio Lower Upper

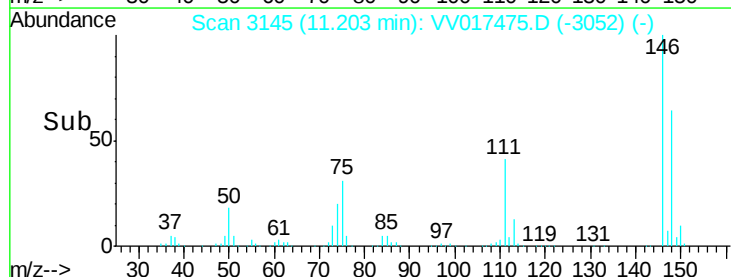
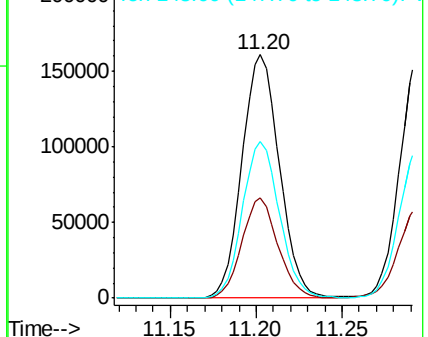
146 100

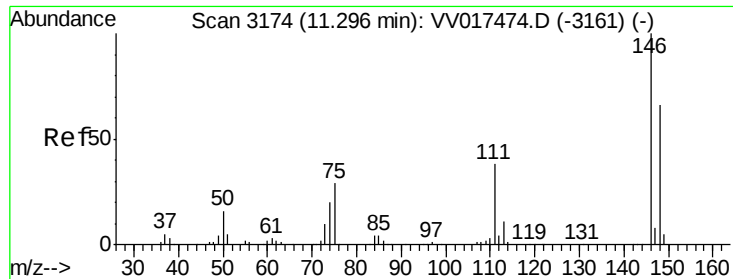
111 41.0 27.2 50.6

148 64.2 45.6 84.6



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





#64

1,4-Dichlorobenzene

Concen: 9.861 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV017475.D

Acq: 14 Jul 2020 10:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD01032

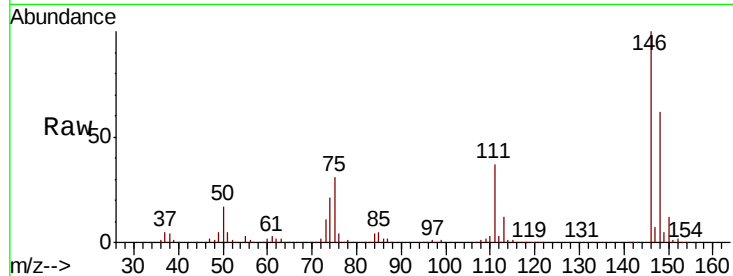
Tot Ion:146 Resp: 238935

Ion Ratio Lower Upper

146 100

111 36.7 26.9 50.1

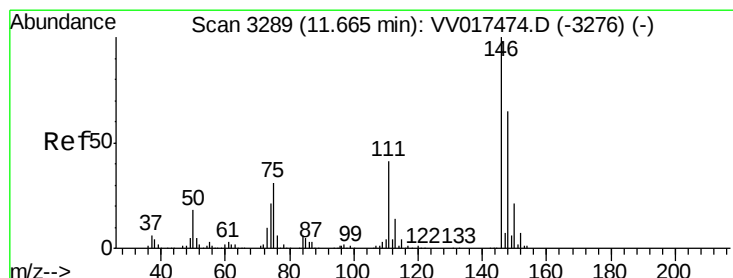
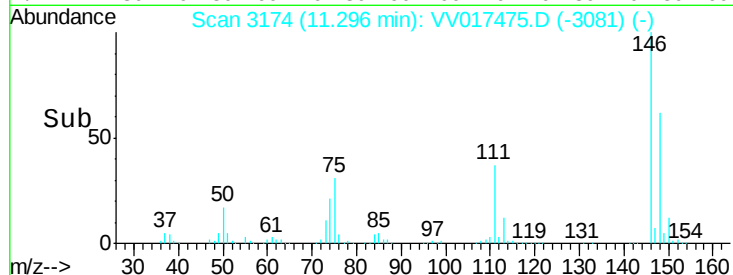
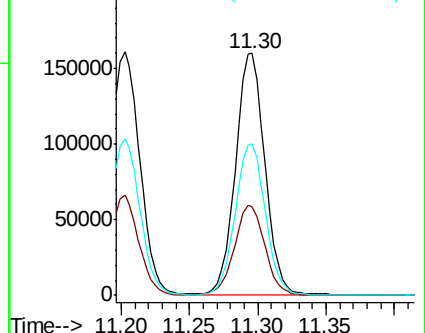
148 62.5 46.1 85.5



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: 10.013 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV017475.D

Acq: 14 Jul 2020 10:42

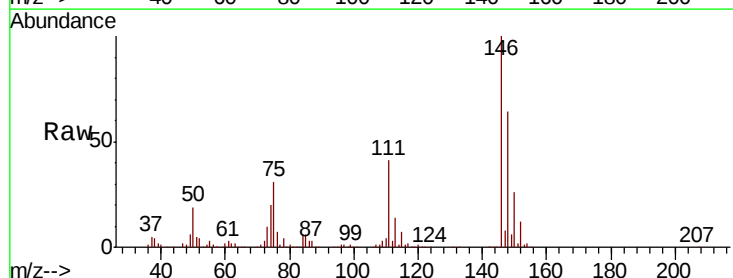
Tgt Ion:146 Resp: 216729

Ion Ratio Lower Upper

146 100

111 41.1 32.7 49.1

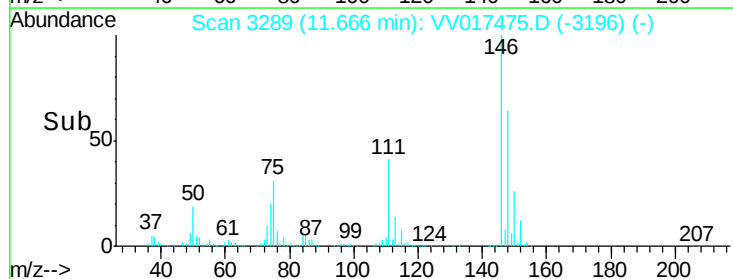
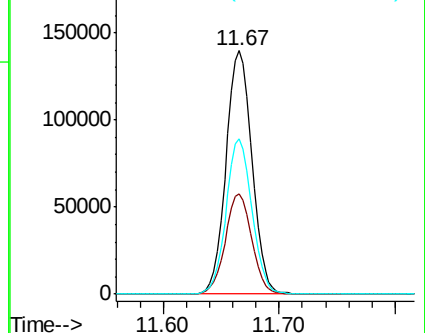
148 64.0 52.3 78.5

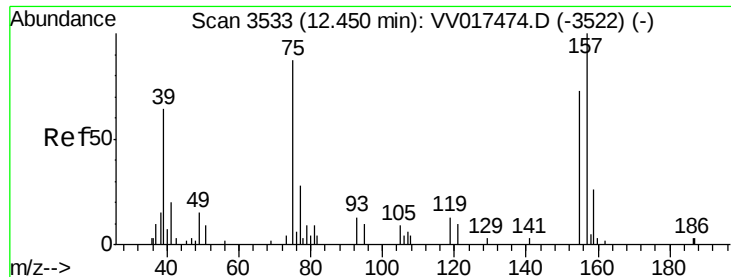


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

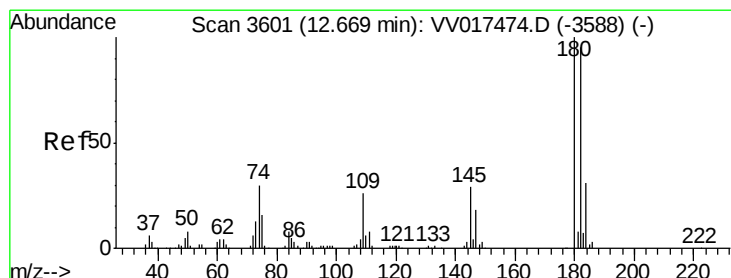
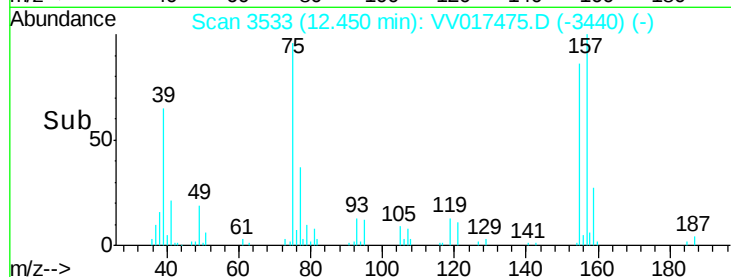
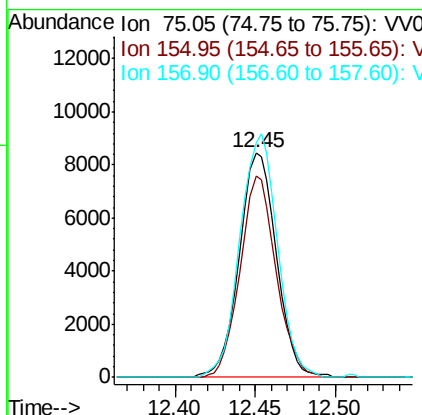
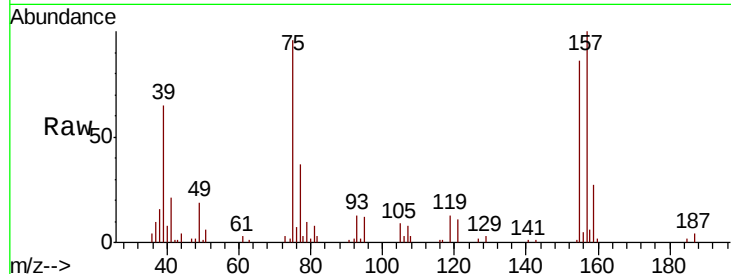




#67
 1,2-Dibromo-3-chloropropane
 Concen: 10.801 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. 0.00 min
 Lab File: VV017475.D
 Acq: 14 Jul 2020 10:42

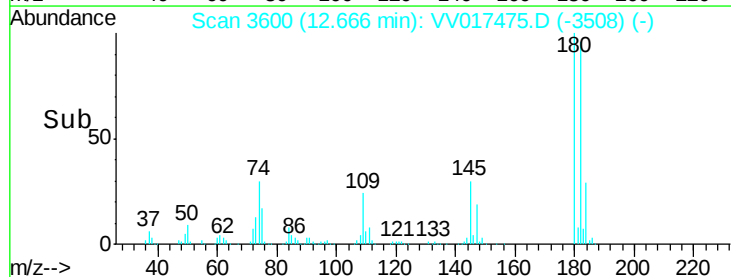
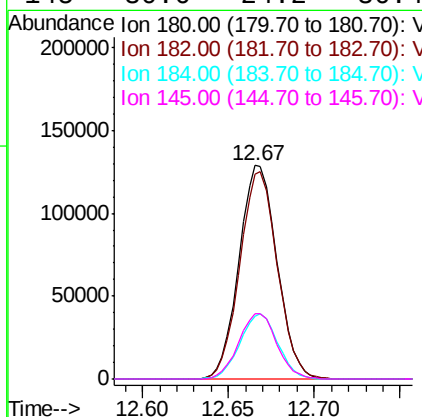
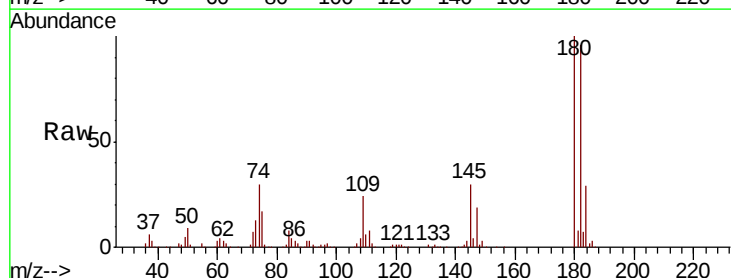
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01032

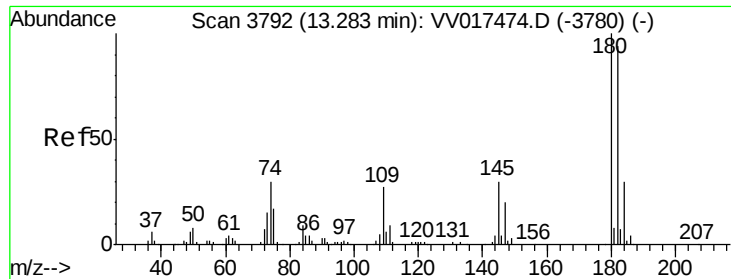
Tot Ion: 75 Resp: 13372
 Ion Ratio Lower Upper
 75 100
 155 89.7 67.5 101.3
 157 104.4 92.5 138.7



#68
 1,3,5-Trichlorobenzene
 Concen: 10.316 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV017475.D
 Acq: 14 Jul 2020 10:42

Tgt Ion: 180 Resp: 198305
 Ion Ratio Lower Upper
 180 100
 182 95.7 76.2 114.4
 184 30.1 24.3 36.5
 145 30.6 24.2 36.4

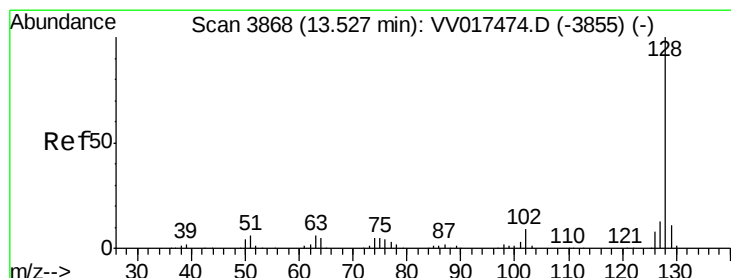
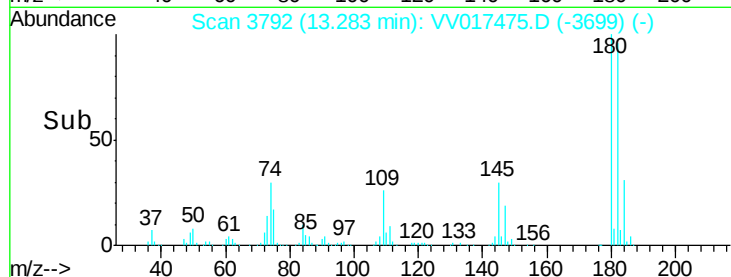
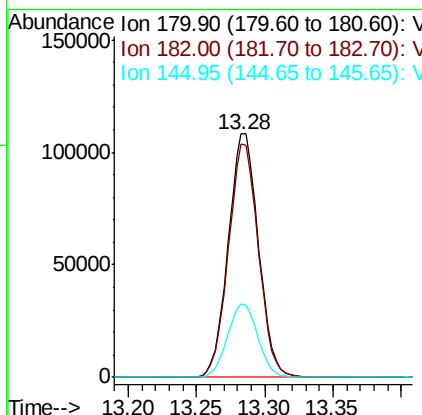
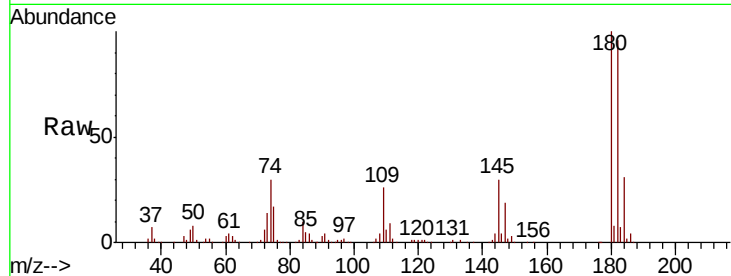




#69
 1,2,4-trichlorobenzene
 Concen: 10.509 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV017475.D
 Acq: 14 Jul 2020 10:42

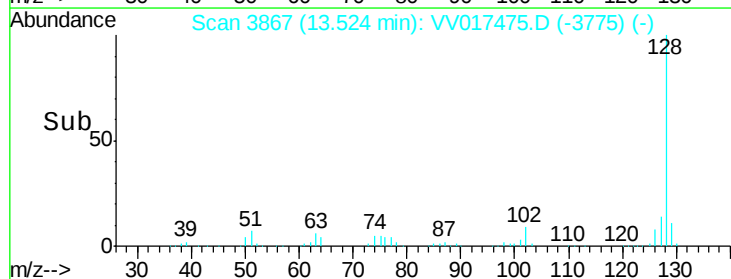
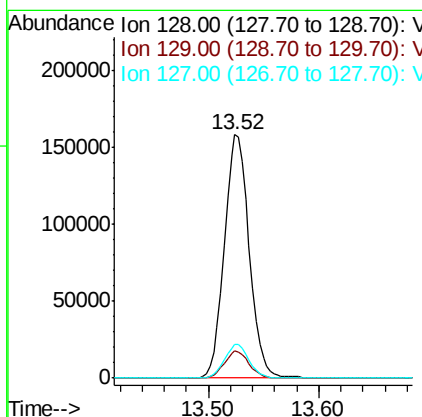
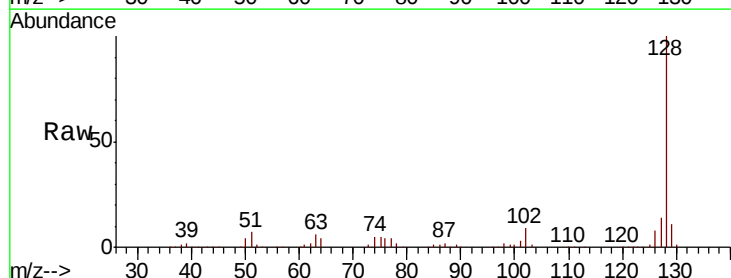
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01032

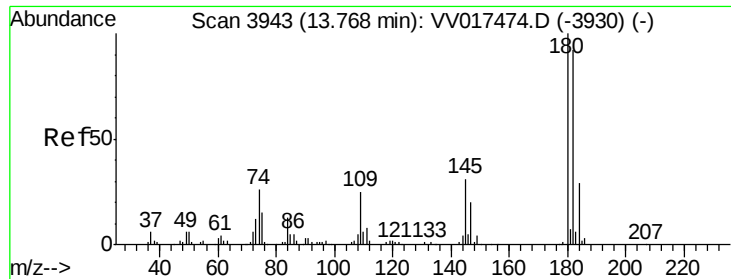
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	75.0	112.6
145	30.3	24.5	36.7



#70
 Naphthalene
 Concen: 11.073 ug/L
 RT: 13.52 min Scan# 3867
 Delta R.T. -0.00 min
 Lab File: VV017475.D
 Acq: 14 Jul 2020 10:42

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.5	12.7
127	13.7	10.6	15.8





#71

1,2,3-Trichlorobenzene

Concen: 11.114 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV017475.D

Acq: 14 Jul 2020 10:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD01032

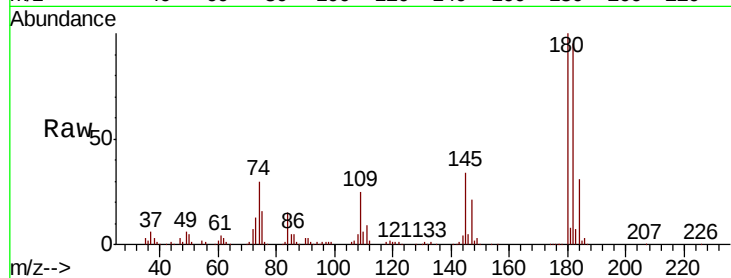
Tot Ion:180 Resp: 146282

Ion Ratio Lower Upper

180 100

182 94.1 74.0 111.0

145 32.9 26.0 39.0



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

