

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU120320\
 Data File : VU041455.D
 Acq On : 03 Dec 2020 17:31
 Operator : SY/MD
 Sample : VSTD02003
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02003

Quant Time: Dec 04 01:54:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Dec 04 01:52:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	60106	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	57934	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	33893	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	70002	17.24	ug/L	0.00
7) Chloroethane-d5	1.92	69	59541	20.01	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	168585	20.73	ug/L	0.00
20) 2-Butanone-d5	4.65	46	259499	243.64	ug/L	0.00
24) Chloroform-d	5.08	84	183623	21.35	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	117751	22.85	ug/L	0.00
32) Benzene-d6	5.74	84	280931	20.22	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	82060	18.95	ug/L	0.00
41) Toluene-d8	7.91	98	281225	21.57	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.18	79	51678	25.12	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	215680	316.57	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.75	84	92827	25.56	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.19	152	127451	22.74	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	131219	22.298	ug/L 98
3) Chloromethane	1.53	50	81390	17.161	ug/L 99
5) Vinyl chloride	1.61	62	92301	18.082	ug/L 99
6) Bromomethane	1.87	94	63519	29.340	ug/L 95
8) Chloroethane	1.94	64	55792	18.695	ug/L 97
9) Trichlorofluoromethane	2.15	101	211997	24.892	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	90140	21.594	ug/L 98
12) 1,1-Dichloroethene	2.59	96	77789	21.148	ug/L 95
13) Acetone	2.66	43	200154	265.357	ug/L 98
14) Carbon disulfide	2.81	76	208536	16.944	ug/L 99
15) Methyl Acetate	2.97	43	39675	23.744	ug/L 98
16) Methylene chloride	3.06	84	85239	16.385	ug/L 98
17) Methyl tert-butyl Ether	3.38	73	257245	27.036	ug/L 99
18) trans-1,2-Dichloroethene	3.37	96	79522	20.083	ug/L 97
19) 1,1-Dichloroethane	3.89	63	158068	20.125	ug/L 95
21) 2-Butanone	4.73	43	275471	238.914	ug/L 98
22) cis-1,2-Dichloroethene	4.68	96	90488	21.240	ug/L 93
23) Bromochloromethane	4.99	128	45342	24.013	ug/L 94
25) Chloroform	5.11	83	184796	20.837	ug/L 96
27) 1,2-Dichloroethane	5.81	62	147428	24.982	ug/L 99
29) 1,1,1-Trichloroethane	5.33	97	184561	24.867	ug/L 99
30) Cyclohexane	5.40	56	119364	20.304	ug/L 98
31) Carbon tetrachloride	5.54	117	171435	25.462	ug/L 100
33) Benzene	5.79	78	333421	21.691	ug/L 100
34) Trichloroethene	6.55	95	96995	23.016	ug/L 98
35) Methylcyclohexane	6.77	83	139580	23.143	ug/L 99
37) 1,2-Dichloropropane	6.80	63	80658	19.584	ug/L 99
38) Bromodichloromethane	7.11	83	144316	24.730	ug/L 98
39) cis-1,3-Dichloropropene	7.61	75	147022	25.110	ug/L 97
40) 4-Methyl-2-pentanone	7.80	43	663596	256.714	ug/L 99

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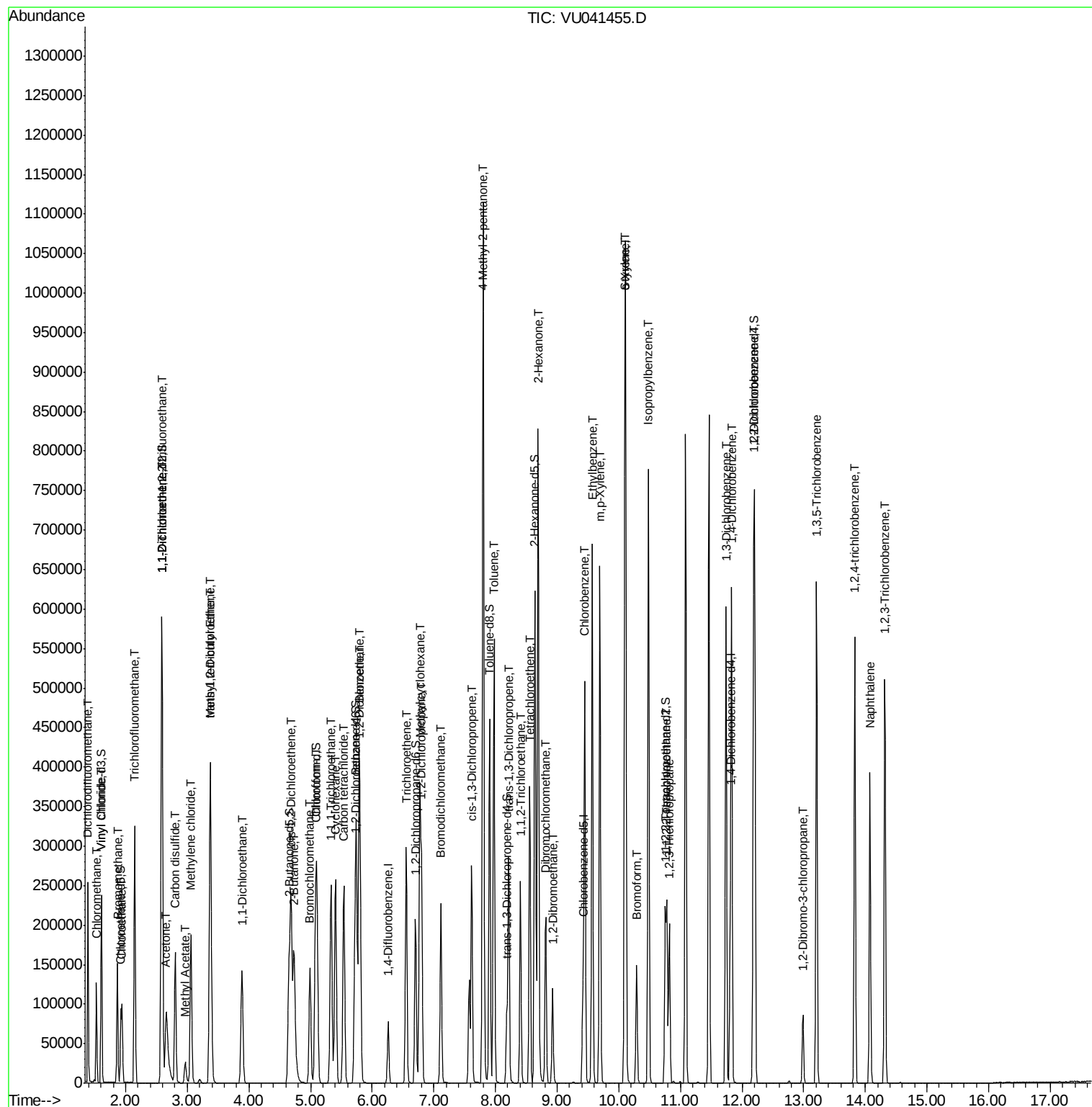
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.98	91	379362	23.102	ug/L	98
44) trans-1,3-Dichloropropene	8.21	75	149210	27.535	ug/L	99
45) 1,1,2-Trichloroethane	8.40	97	71477	24.285	ug/L	97
47) Tetrachloroethene	8.56	164	77184	24.256	ug/L	99
48) 2-Hexanone	8.69	43	512164	268.675	ug/L	99
49) Dibromochloromethane	8.82	129	104460	27.109	ug/L	100
50) 1,2-Dibromoethane	8.93	107	73002	25.647	ug/L	99
51) Chlorobenzene	9.45	112	251229	23.389	ug/L	99
52) Ethylbenzene	9.57	91	455575	25.714	ug/L	99
53) m,p-Xylene	9.69	106	166279	25.681	ug/L	99
54) o-Xylene	10.10	106	162143	25.922	ug/L	97
55) Styrene	10.11	104	286924	27.213	ug/L	95
56) Isopropylbenzene	10.48	105	464108	27.316	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.78	83	97442	27.112	ug/L	90
59) 1,2,3-Trichloropropane	10.82	75	77591	27.632	ug/L	97
61) Bromoform	10.29	173	63905	25.660	ug/L	98
62) 1,3-Dichlorobenzene	11.74	146	222832	22.674	ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	226791	23.254	ug/L	97
65) 1,2-Dichlorobenzene	12.20	146	218649	23.923	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	23030	30.958	ug/L	98
67) 1,3,5-Trichlorobenzene	13.21	180	178332	25.359	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	154717	27.896	ug/L	99
69) Naphthalene	14.08	128	293251	33.906	ug/L	98
70) 1,2,3-Trichlorobenzene	14.32	180	141972	28.213	ug/L	99

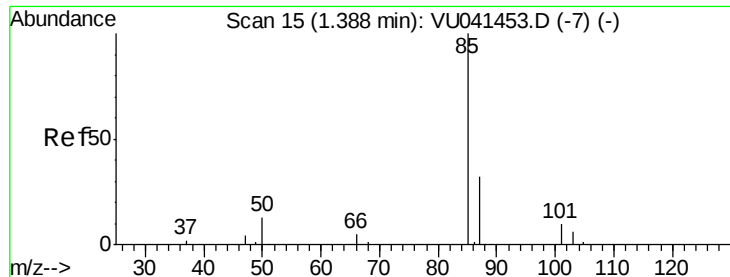
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 22.298 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU041455.D

Acq: 03 Dec 2020 17:31

Instrument :

MSVOA_Y

ClientSampleId :

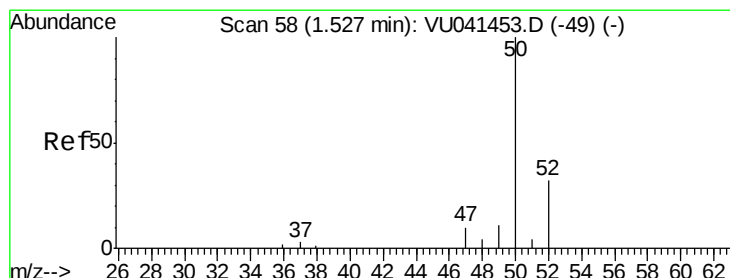
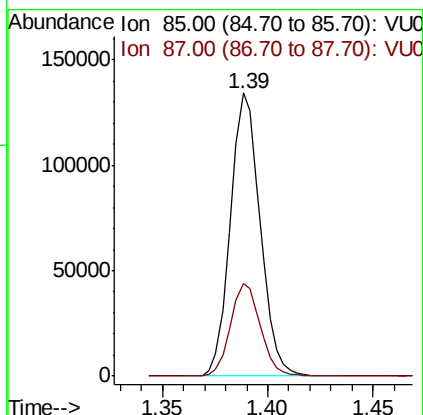
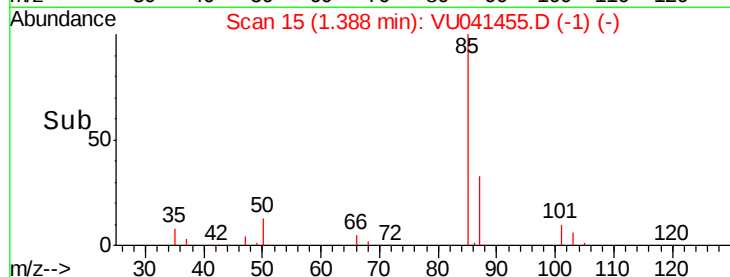
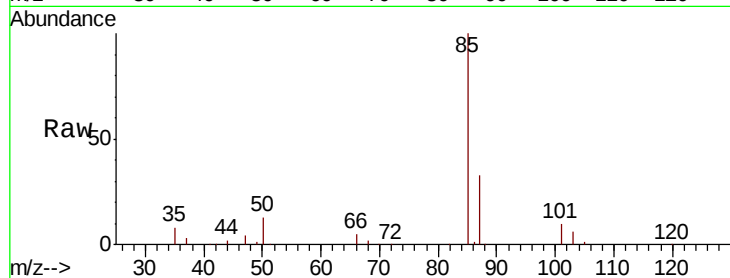
VSTD02003

Tot Ion: 85 Resp: 131219

Ion Ratio Lower Upper

85 100

87 32.8 25.6 38.4



#3

Chloromethane

Concen: 17.161 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU041455.D

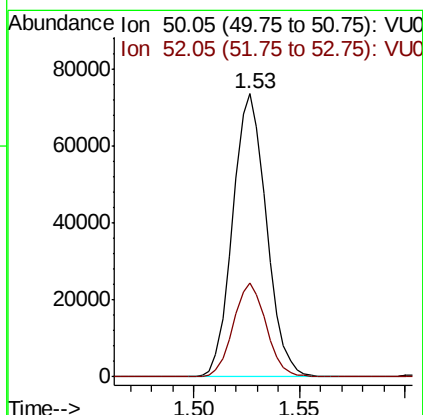
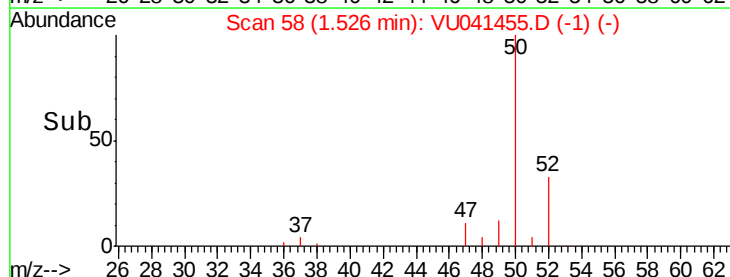
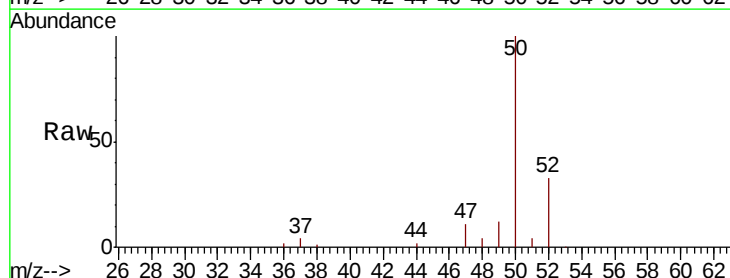
Acq: 03 Dec 2020 17:31

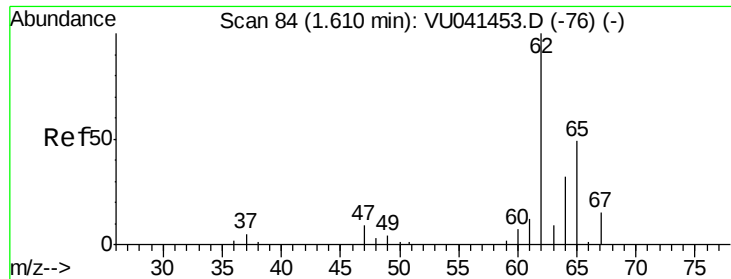
Tgt Ion: 50 Resp: 81390

Ion Ratio Lower Upper

50 100

52 33.0 22.6 42.0





#5

Vinyl chloride

Concen: 18.082 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU041455.D

Acq: 03 Dec 2020 17:31

Instrument :

MSVOA_Y

ClientSampleId :

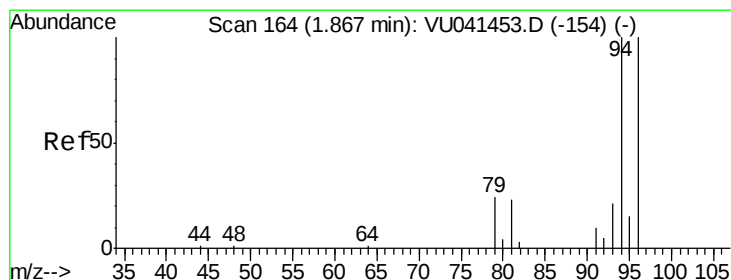
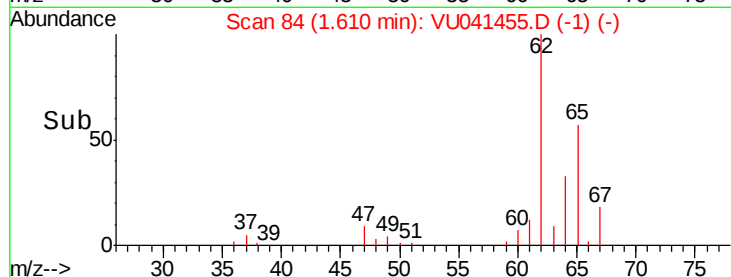
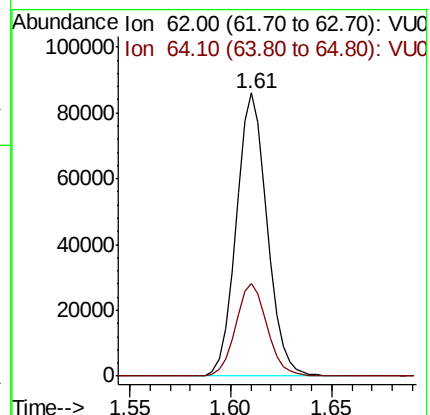
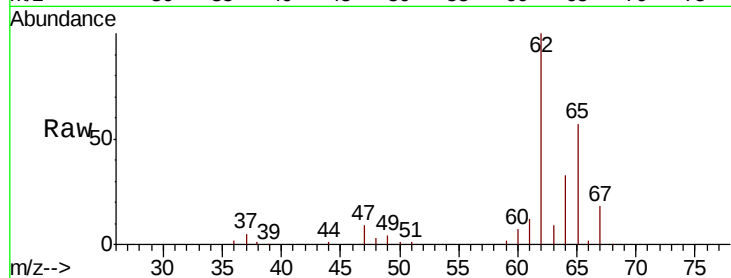
VSTD02003

Tot Ion: 62 Resp: 92301

Ion Ratio Lower Upper

62 100

64 32.8 22.5 41.7



#6

Bromomethane

Concen: 29.340 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU041455.D

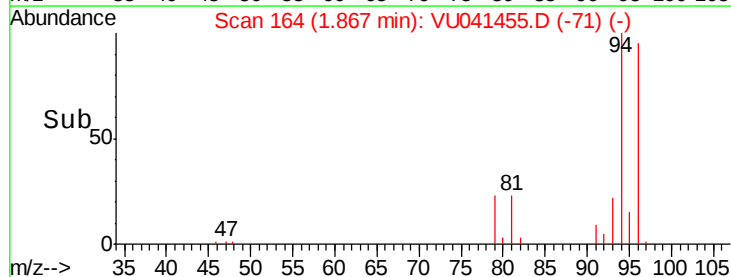
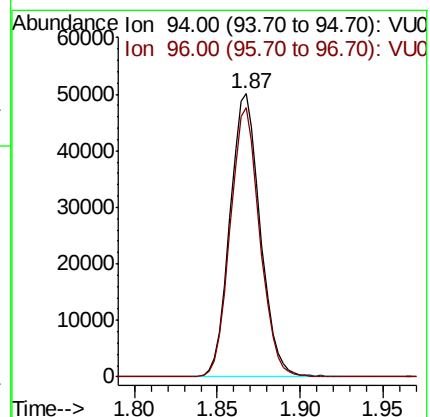
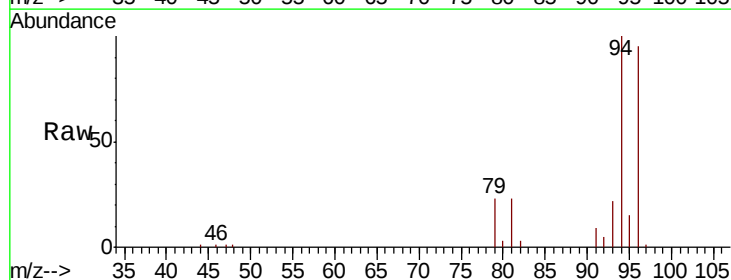
Acq: 03 Dec 2020 17:31

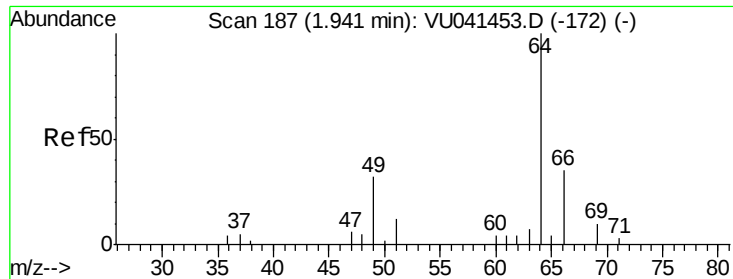
Tgt Ion: 94 Resp: 63519

Ion Ratio Lower Upper

94 100

96 95.0 69.9 129.7

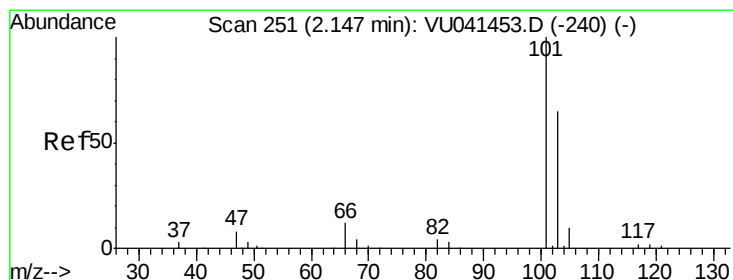
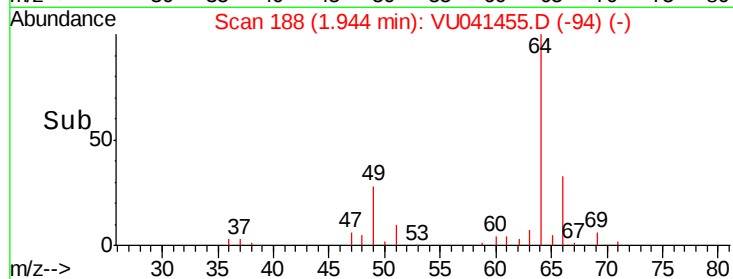
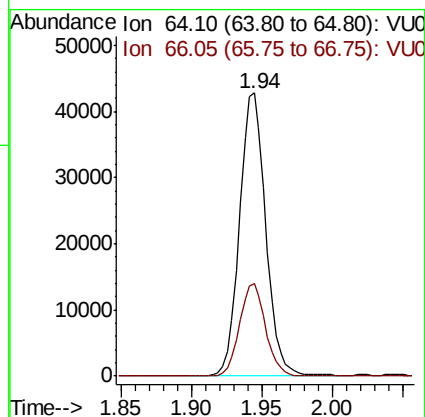
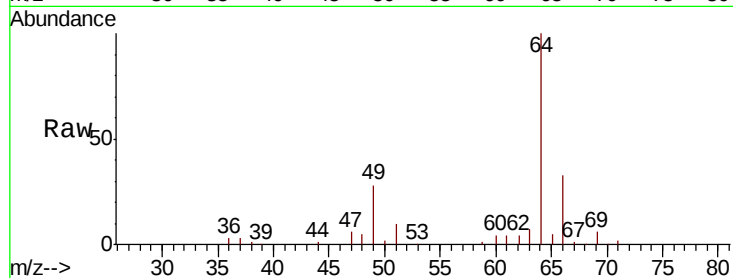




#8
Chloroethane
Concen: 18.695 ug/L
RT: 1.94 min Scan# 188
Delta R.T. 0.00 min
Lab File: VU041455.D
Acq: 03 Dec 2020 17:31

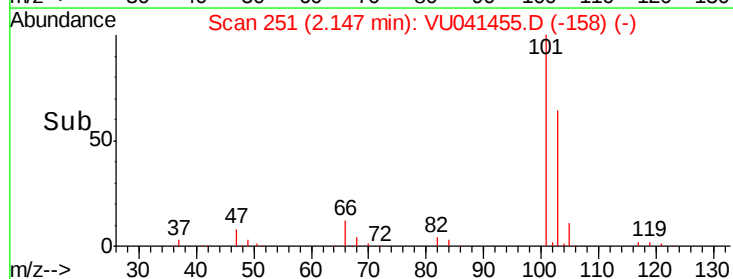
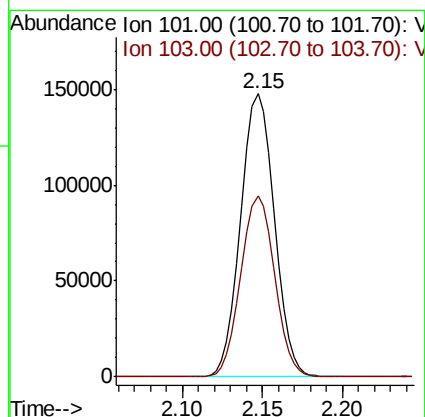
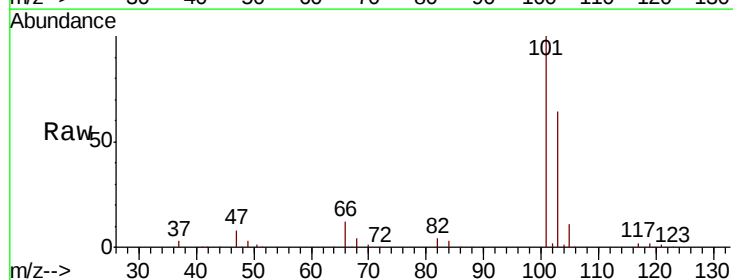
Instrument :
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VSTD02003

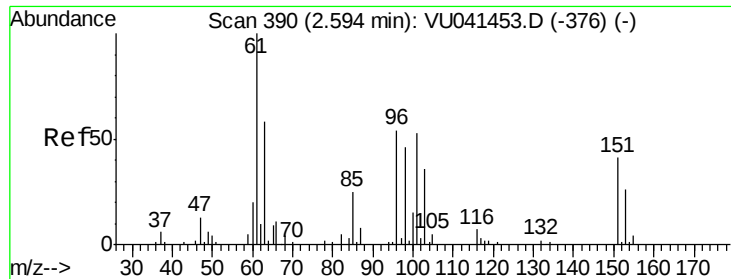
Tot Ion: 64 Resp: 55792
Ion Ratio Lower Upper
64 100
66 32.6 24.1 44.7



#9
Trichlorofluoromethane
Concen: 24.892 ug/L
RT: 2.15 min Scan# 251
Delta R.T. -0.00 min
Lab File: VU041455.D
Acq: 03 Dec 2020 17:31

Tgt Ion: 101 Resp: 211997
Ion Ratio Lower Upper
101 100
103 64.3 52.1 78.1





#10

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

Concen: 21.594 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU041455.D

Acq: 03 Dec 2020 17:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02003

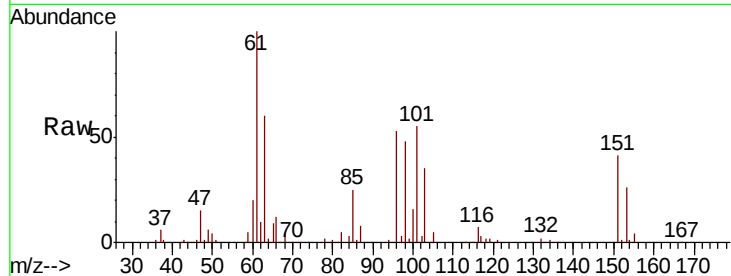
Tot Ion:101 Resp: 90140

Ion Ratio Lower Upper

101 100

85 47.9 37.4 56.0

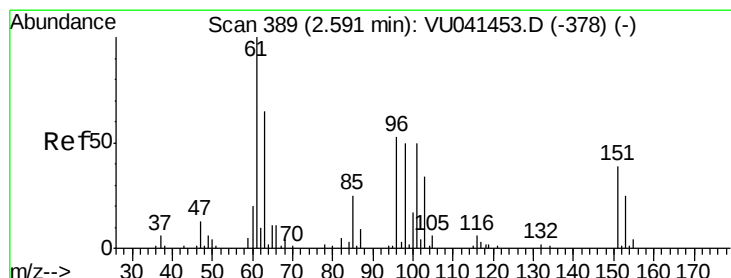
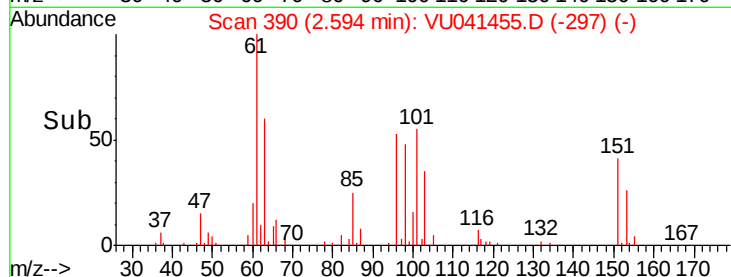
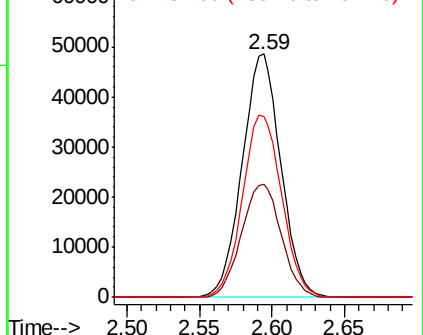
151 75.9 61.8 92.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 21.148 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU041455.D

Acq: 03 Dec 2020 17:31

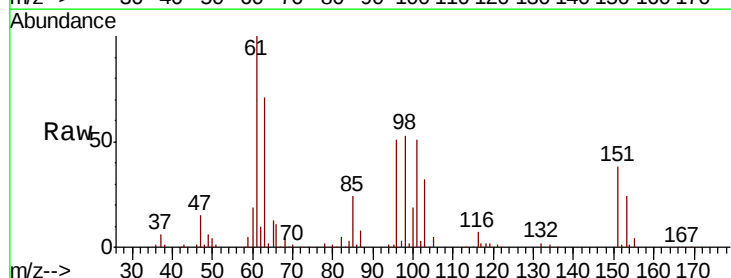
Tgt Ion: 96 Resp: 77789

Ion Ratio Lower Upper

96 100

61 196.3 132.6 246.2

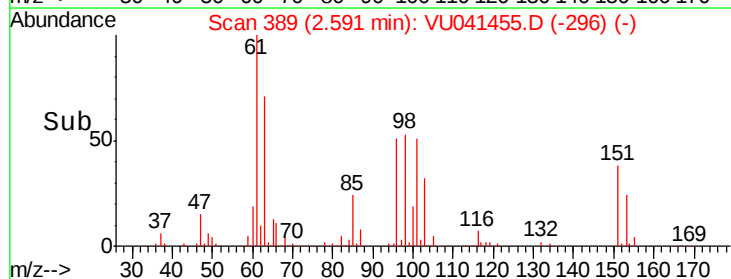
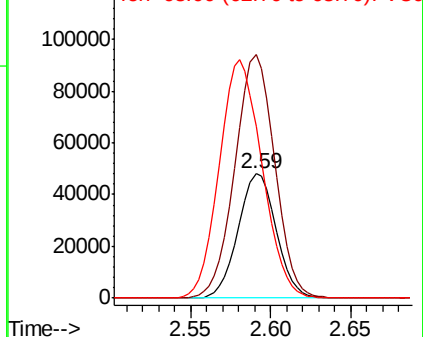
63 138.6 91.9 170.7

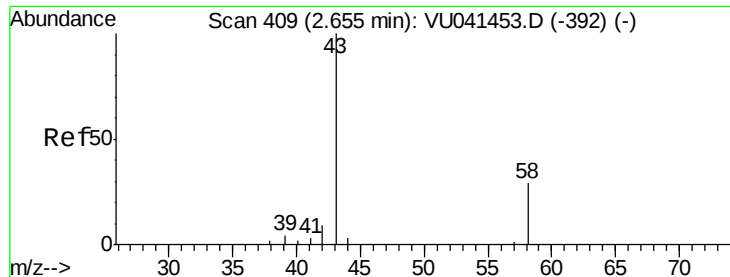


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 265.357 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

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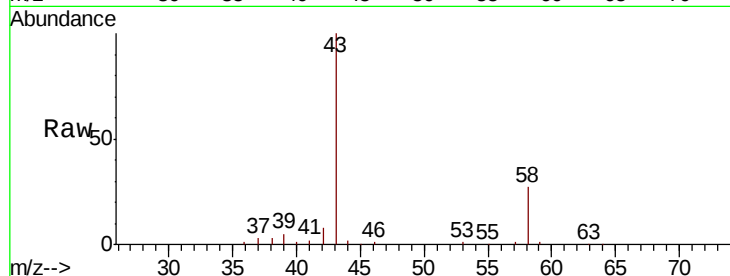
VSTD02003

Tot Ion: 43 Resp: 200154

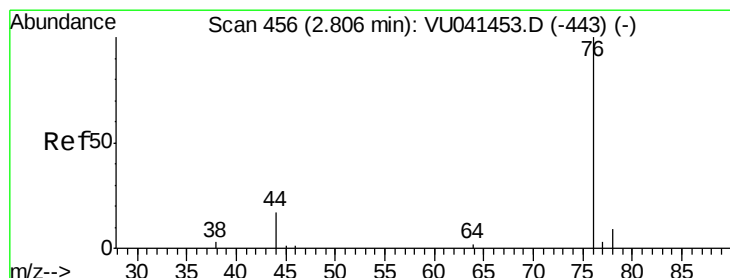
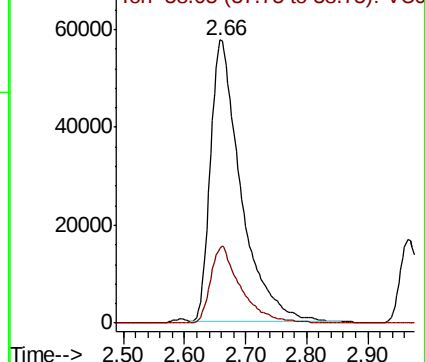
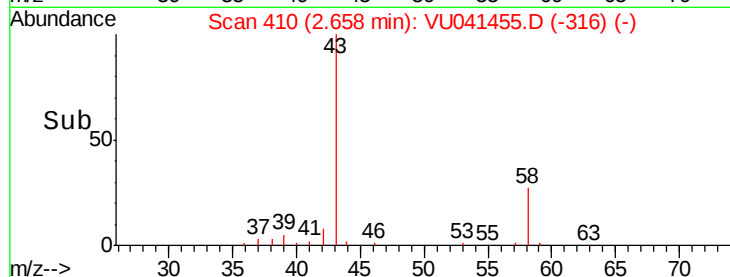
Ion Ratio Lower Upper

43 100

58 27.2 0.0 52.2



Abundance Ion 43.05 (42.75 to 43.75): VU041455.D (-316) (-)



#14

Carbon disulfide

Concen: 16.944 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU041455.D

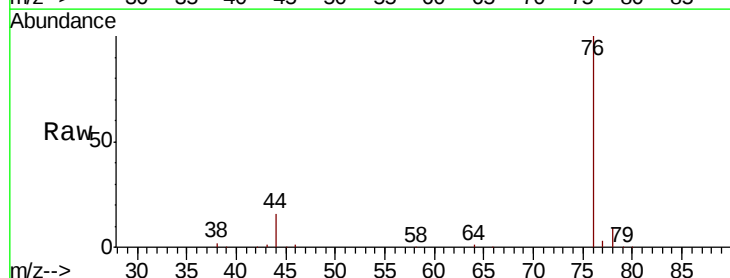
Acq: 03 Dec 2020 17:31

Tgt Ion: 76 Resp: 208536

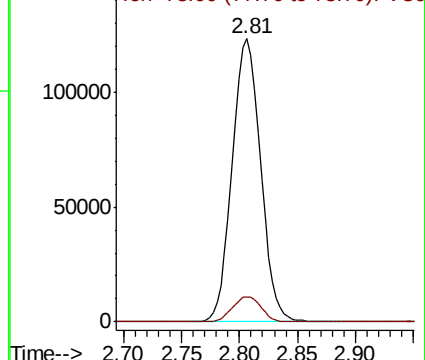
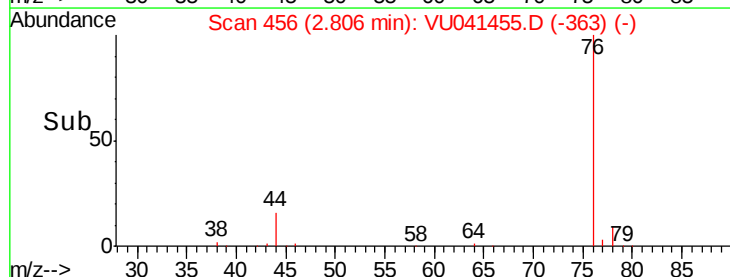
Ion Ratio Lower Upper

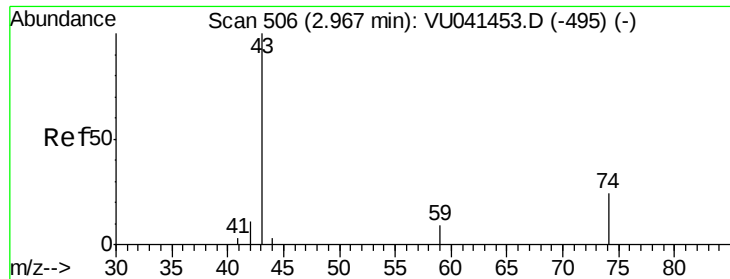
76 100

78 8.9 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU041455.D (-363) (-)





#15

Methyl Acetate

Concen: 23.744 ug/L

RT: 2.97 min Scan# 506

Delta R.T. -0.00 min

Lab File: VU041455.D

Acq: 03 Dec 2020 17:31

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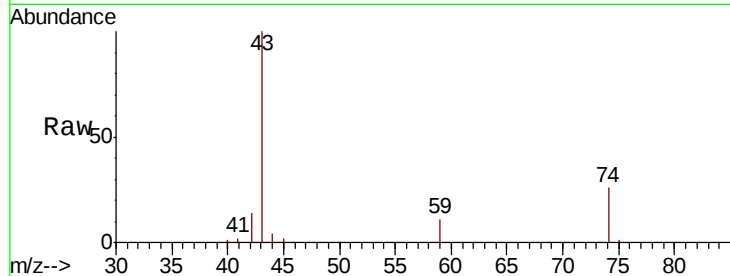
VSTD02003

Tot Ion: 43 Resp: 39675

Ion Ratio Lower Upper

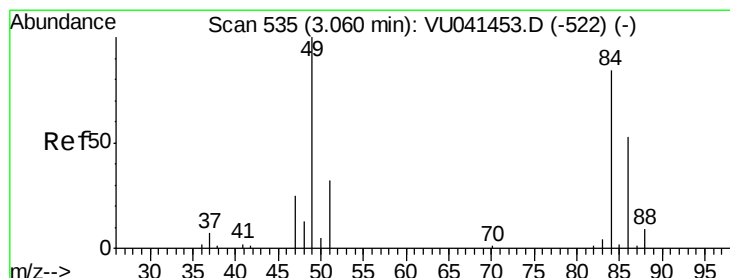
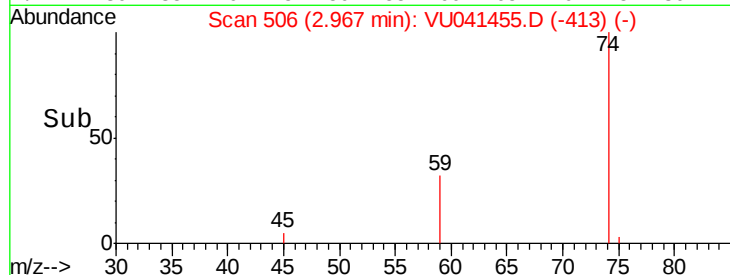
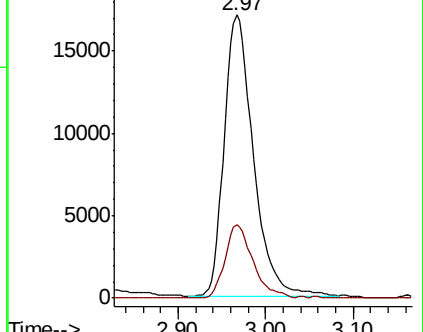
43 100

74 24.8 19.2 28.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 16.385 ug/L

RT: 3.06 min Scan# 535

Delta R.T. -0.00 min

Lab File: VU041455.D

Acq: 03 Dec 2020 17:31

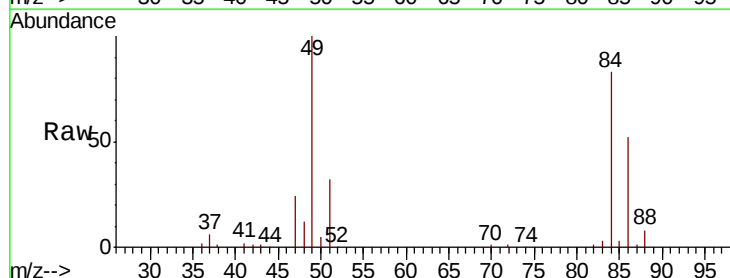
Tgt Ion: 84 Resp: 85239

Ion Ratio Lower Upper

84 100

86 62.6 44.3 82.3

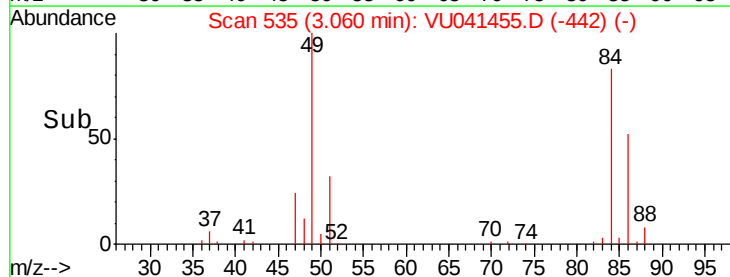
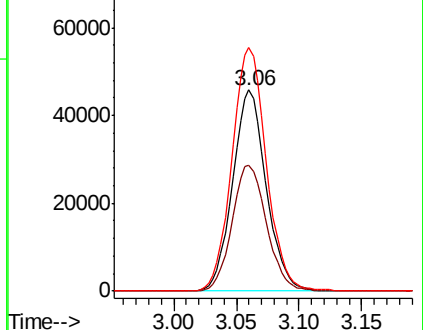
49 121.1 83.2 154.4

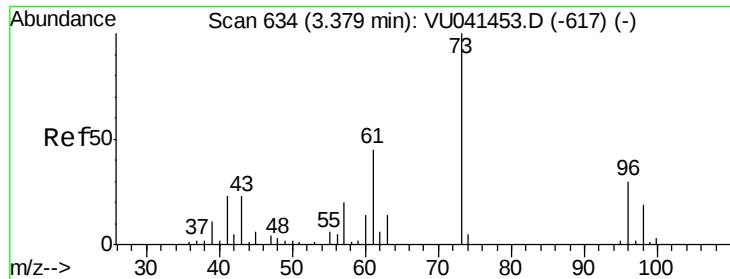


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

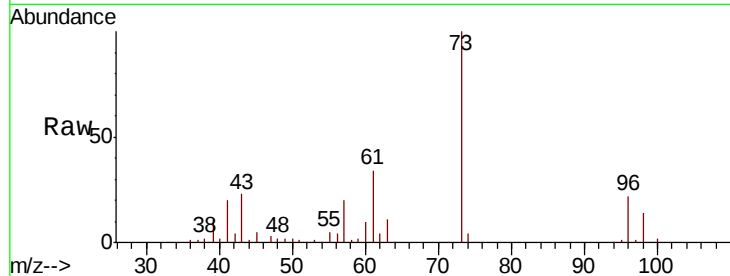




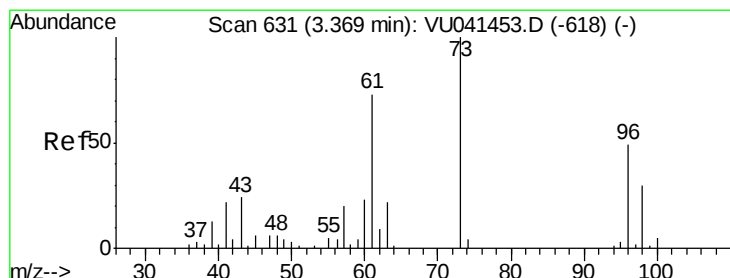
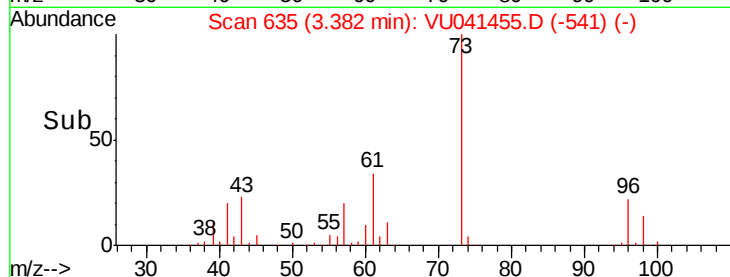
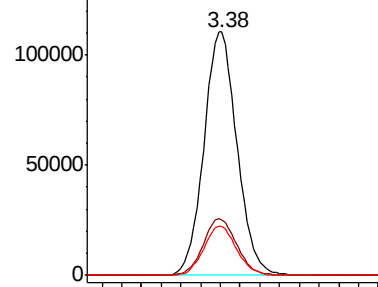
#17
Methvl tert-butvl Ether
Concen: 27.036 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU041455.D
Acq: 03 Dec 2020 17:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTD02003

Tot Ion: 73 Resp: 257245
Ion Ratio Lower Upper
73 100
43 23.6 19.3 28.9
57 20.0 16.1 24.1

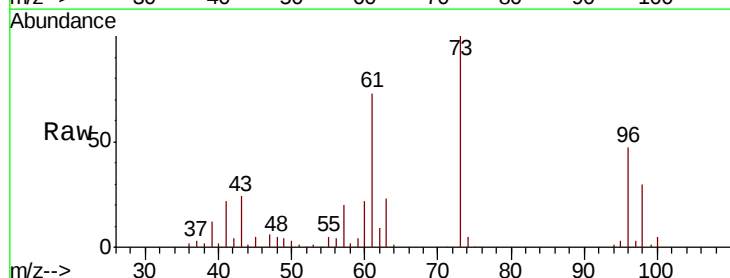


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

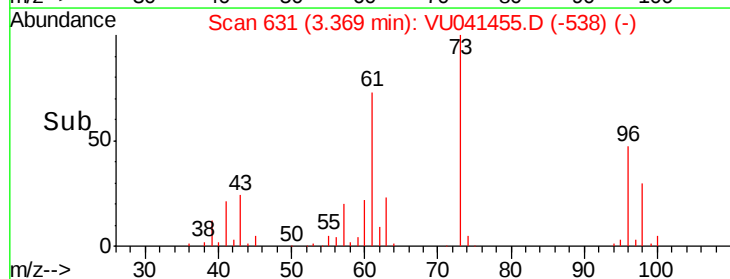
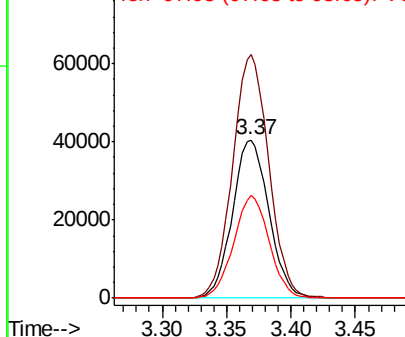


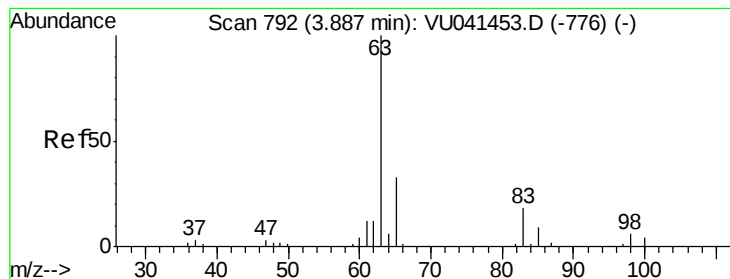
#18
trans-1,2-Dichloroethene
Concen: 20.083 ug/L
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU041455.D
Acq: 03 Dec 2020 17:31

Tgt Ion: 96 Resp: 79522
Ion Ratio Lower Upper
96 100
61 153.7 104.4 193.8
98 64.6 43.6 81.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 20.125 ug/L

RT: 3.89 min Scan# 792

Delta R.T. -0.00 min

Lab File: VU041455.D

Acq: 03 Dec 2020 17:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02003

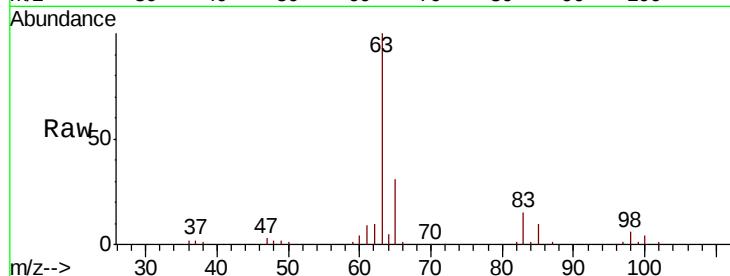
Tot Ion: 63 Resp: 158068

Ion Ratio Lower Upper

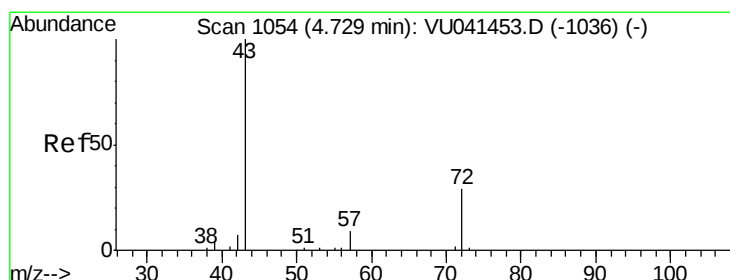
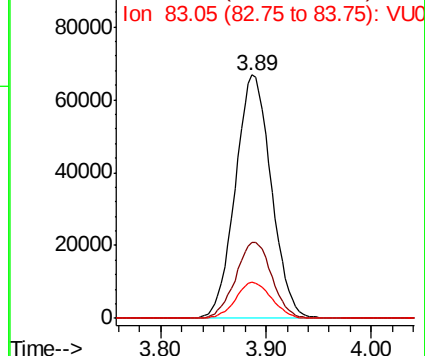
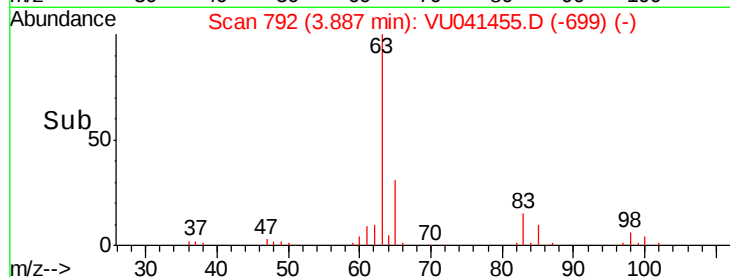
63 100

65 30.9 23.3 43.3

83 14.7 12.4 23.0



Abundance Ion 63.10 (62.80 to 63.80): VU041455.D (-699) (-)



#21

2-Butanone

Concen: 238.914 ug/L

RT: 4.73 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VU041455.D

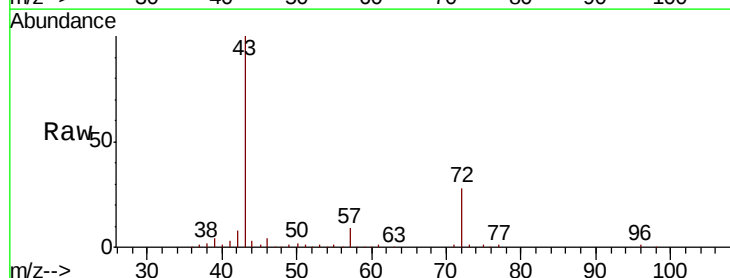
Acq: 03 Dec 2020 17:31

Tgt Ion: 43 Resp: 275471

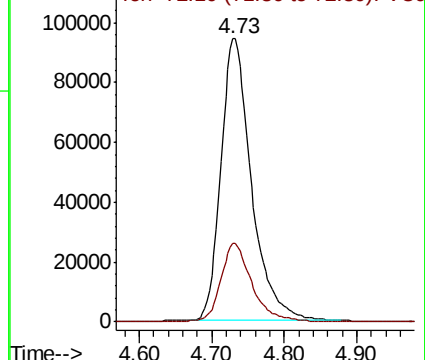
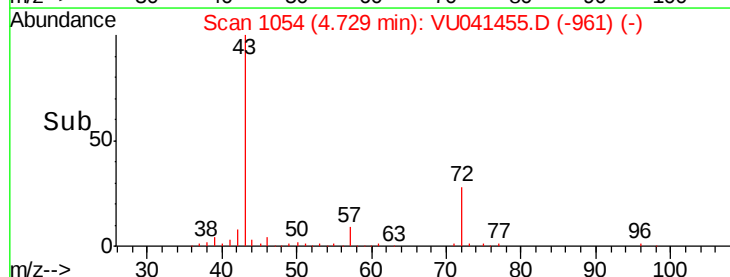
Ion Ratio Lower Upper

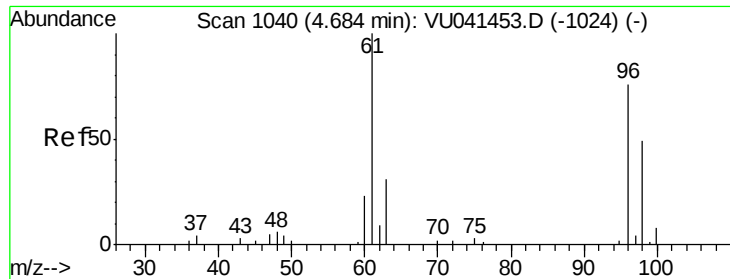
43 100

72 28.7 14.9 44.5



Abundance Ion 43.05 (42.75 to 43.75): VU041455.D (-961) (-)





#22

cis-1,2-Dichloroethene

Concen: 21.240 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU041455.D

Acq: 03 Dec 2020 17:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02003

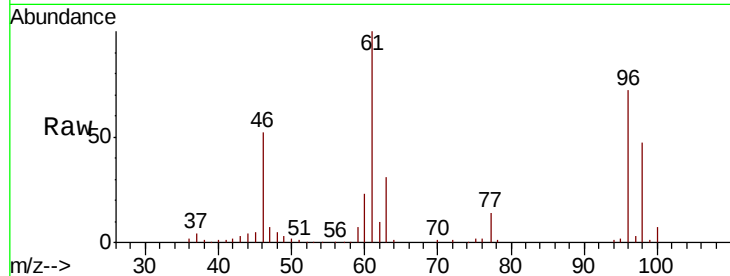
Tot Ion: 96 Resp: 90488

Ion Ratio Lower Upper

96 100

61 139.7 91.7 170.3

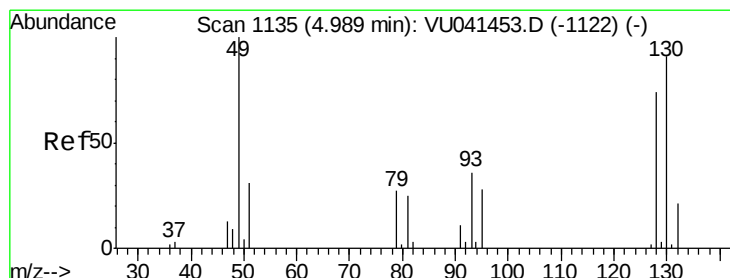
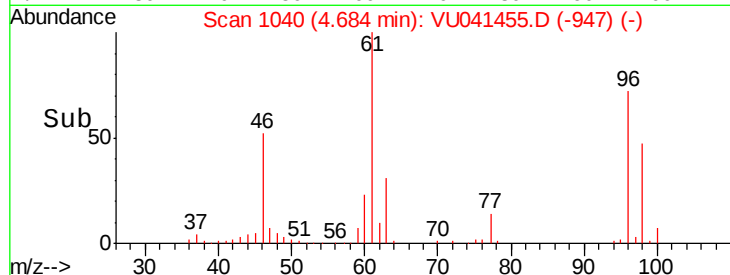
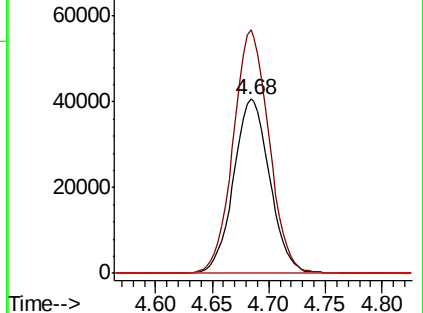
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 24.013 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU041455.D

Acq: 03 Dec 2020 17:31

Tgt Ion:128 Resp: 45342

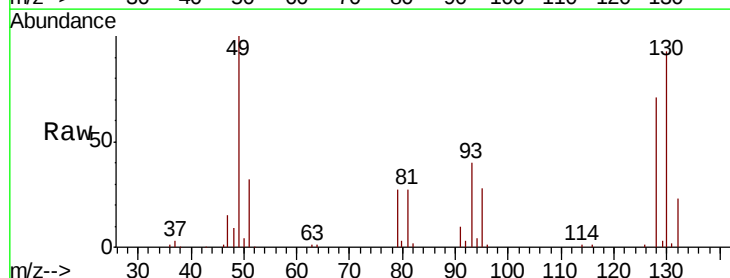
Ion Ratio Lower Upper

128 100

49 141.1 94.7 175.9

130 131.1 85.9 159.5

51 45.0 33.9 50.9

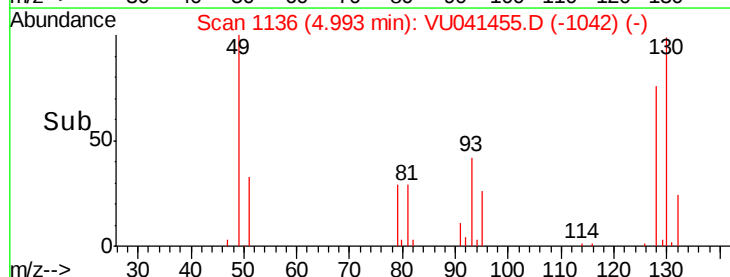
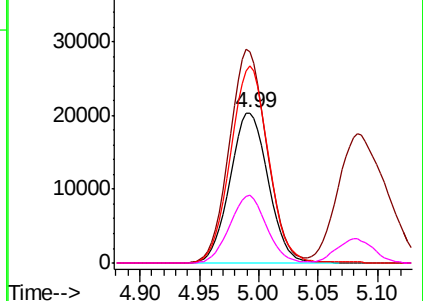


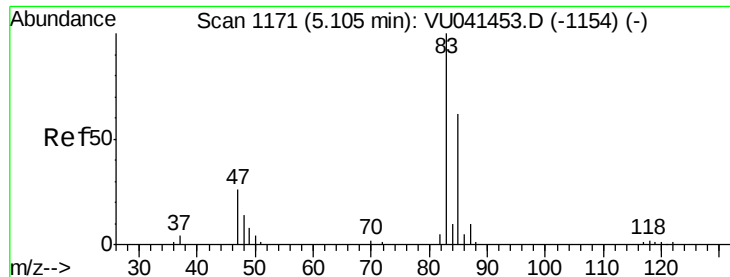
Abundance Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

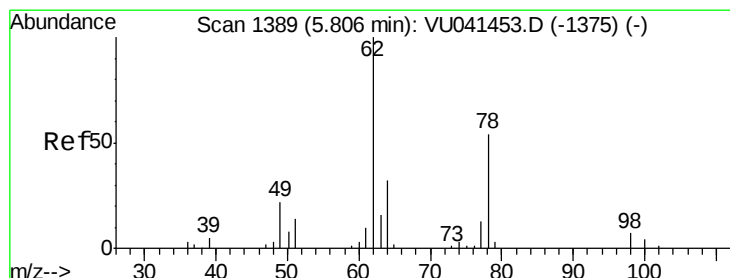
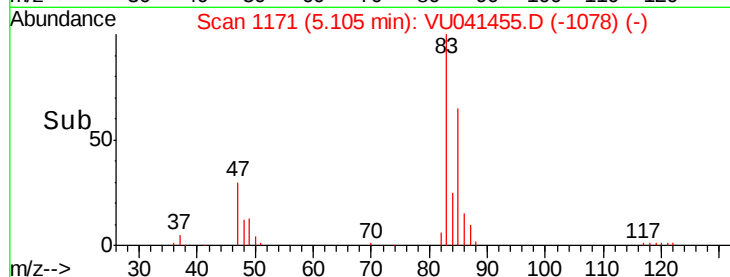
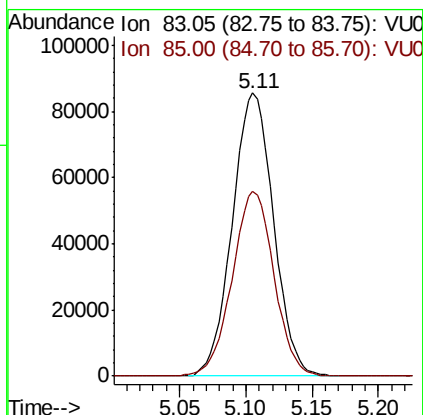
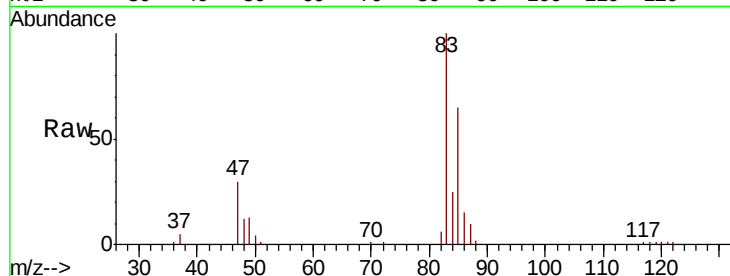




#25
Chloroform
Concen: 20.837 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU041455.D
Acq: 03 Dec 2020 17:31

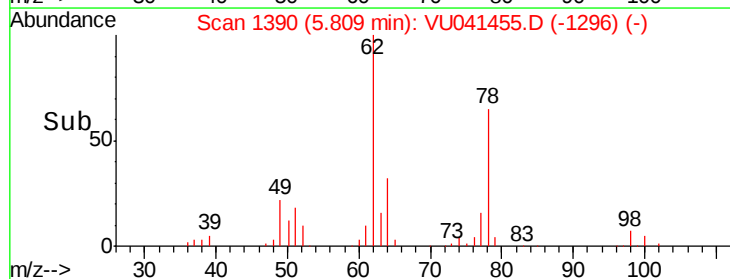
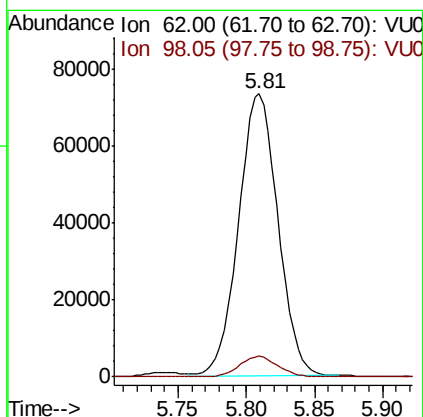
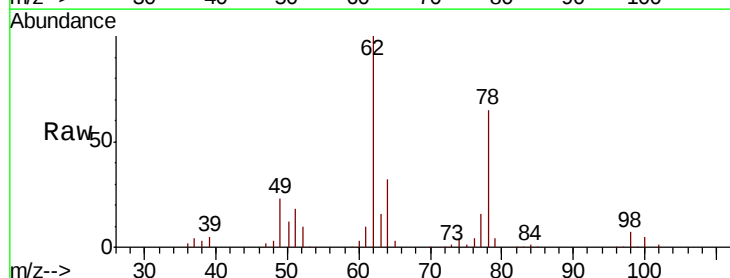
Instrument :
MSVOA_Y
ClientSampleId :
VSTD02003

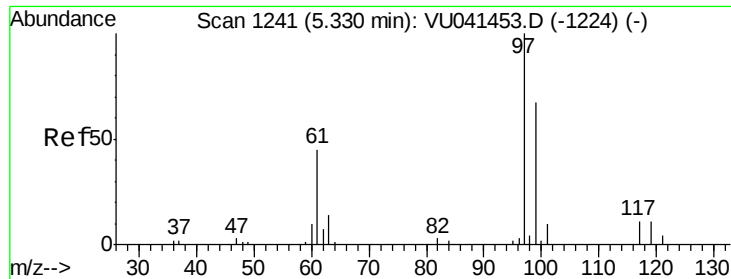
Tot Ion: 83 Resp: 184796
Ion Ratio Lower Upper
83 100
85 65.2 43.7 81.1



#27
1,2-Dichloroethane
Concen: 24.982 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU041455.D
Acq: 03 Dec 2020 17:31

Tgt Ion: 62 Resp: 147428
Ion Ratio Lower Upper
62 100
98 7.2 5.6 8.4

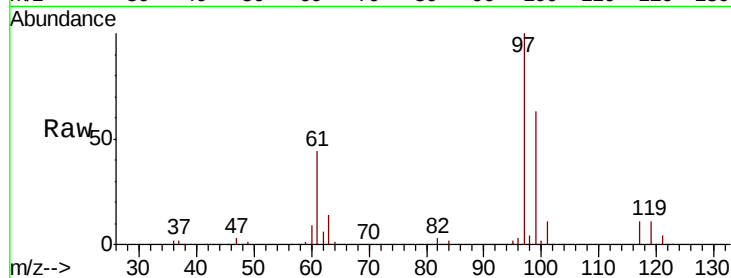




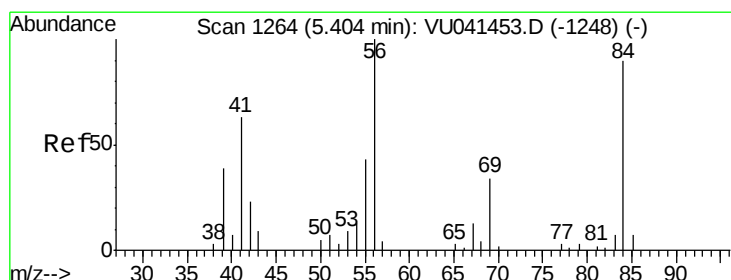
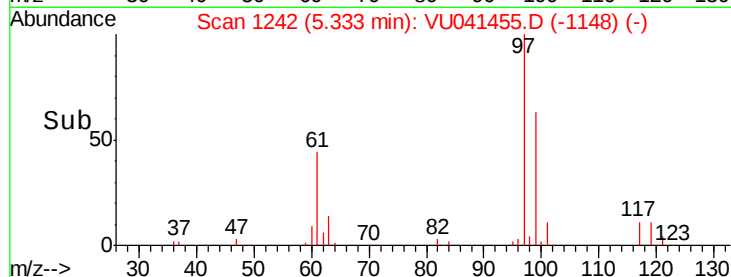
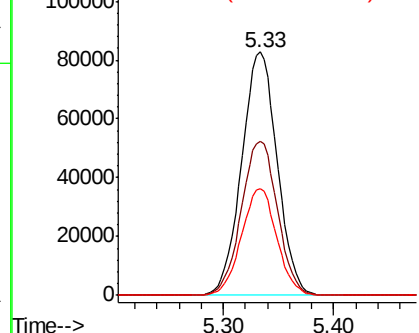
#29
 1,1,1-Trichloroethane
 Concen: 24.867 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU041455.D
 Acq: 03 Dec 2020 17:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02003

Tot Ion: 97 Resp: 184561
 Ion Ratio Lower Upper
 97 100
 99 64.5 51.0 76.6
 61 43.6 34.7 52.1

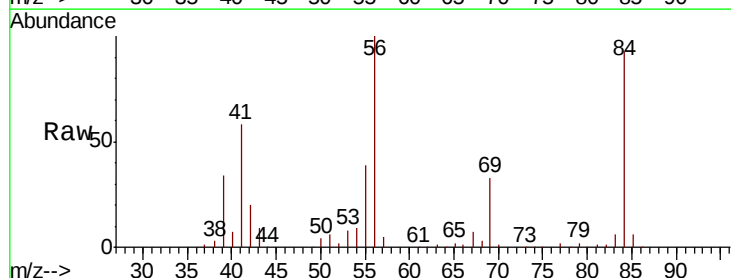


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

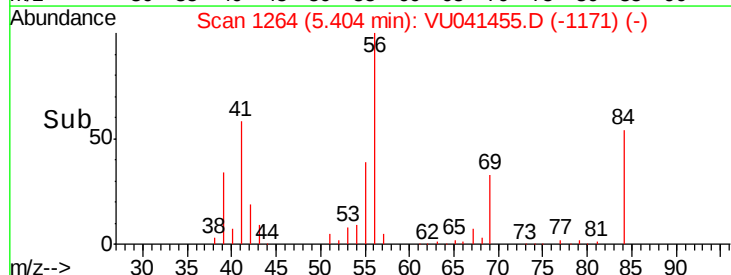
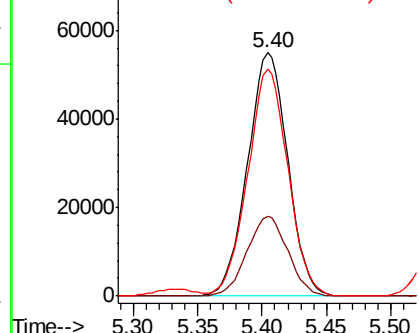


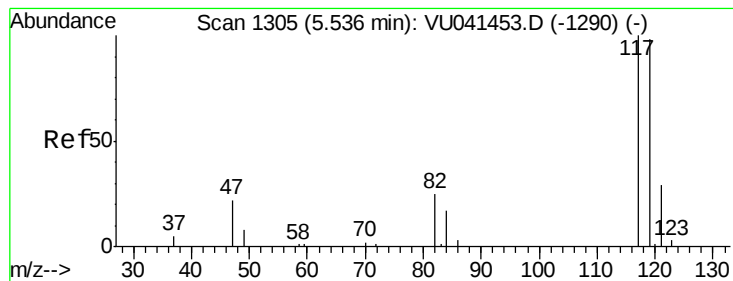
#30
 Cyclohexane
 Concen: 20.304 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VU041455.D
 Acq: 03 Dec 2020 17:31

Tgt Ion: 56 Resp: 119364
 Ion Ratio Lower Upper
 56 100
 69 33.2 26.6 39.8
 84 93.5 76.7 115.1



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 25.462 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU041455.D

Acq: 03 Dec 2020 17:31

Instrument :

MSVOA_Y

ClientSampleId :

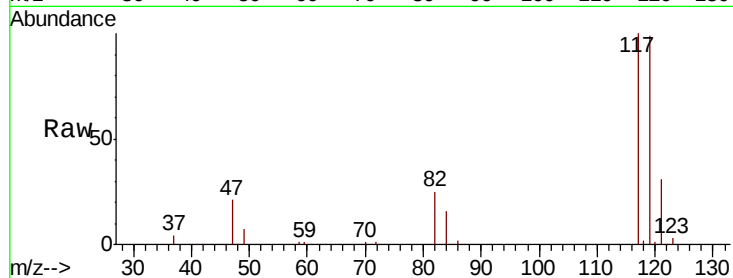
VSTD02003

Tot Ion:117 Resp: 171435

Ion Ratio Lower Upper

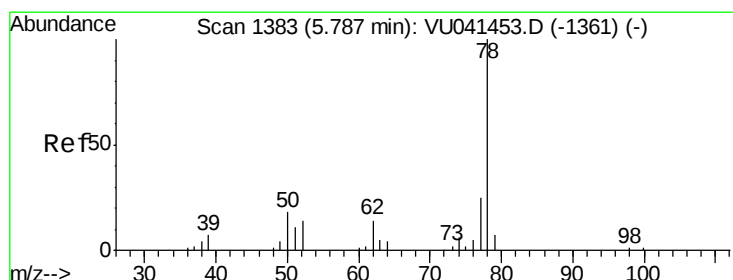
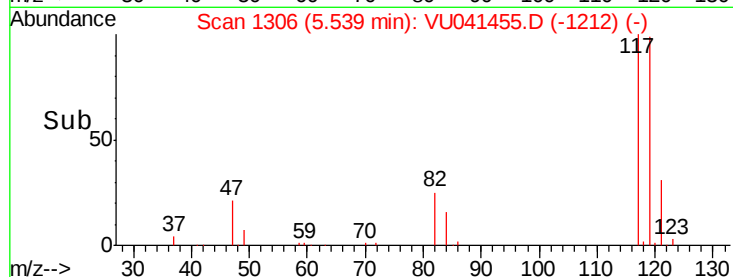
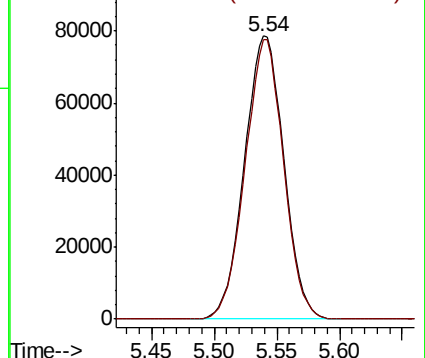
117 100

119 96.5 77.0 115.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 21.691 ug/L

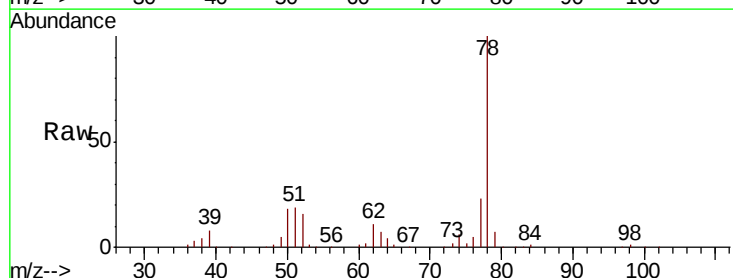
RT: 5.79 min Scan# 1383

Delta R.T. -0.00 min

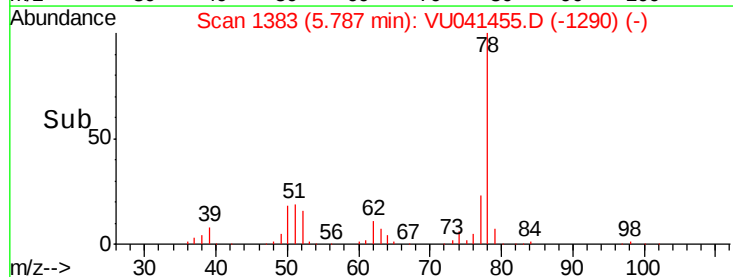
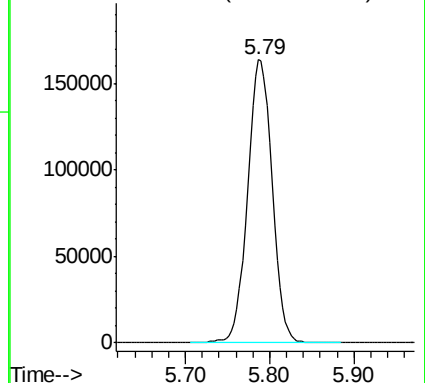
Lab File: VU041455.D

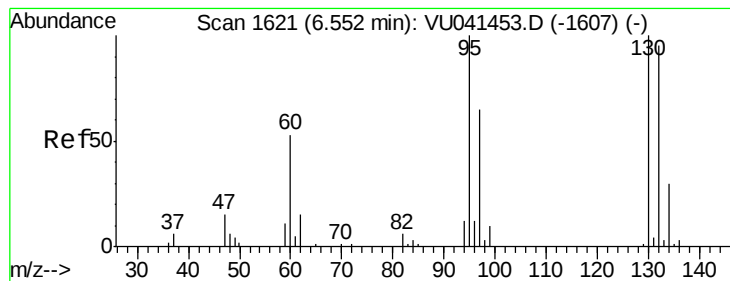
Acq: 03 Dec 2020 17:31

Tgt Ion: 78 Resp: 333421



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 23.016 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VU041455.D

Acq: 03 Dec 2020 17:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02003

Tot Ion: 95 Resp: 96995

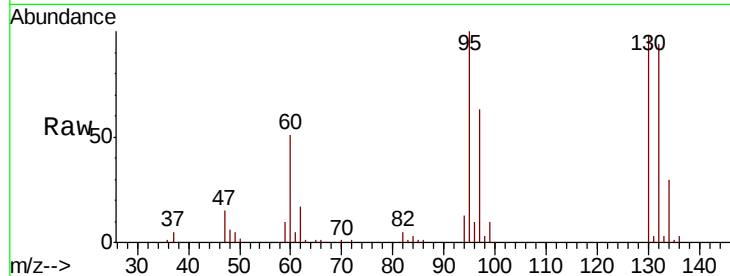
Ion Ratio Lower Upper

95 100

97 63.2 45.8 85.0

132 94.5 66.5 123.5

130 98.1 70.3 130.5

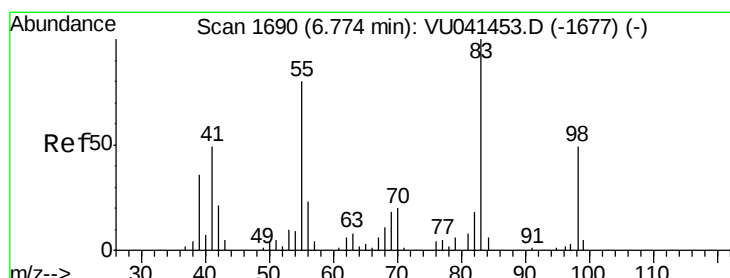
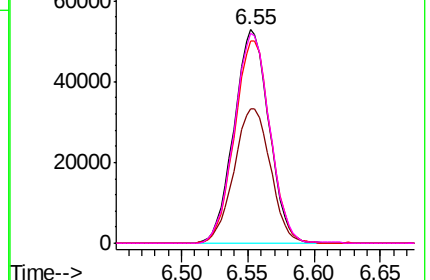
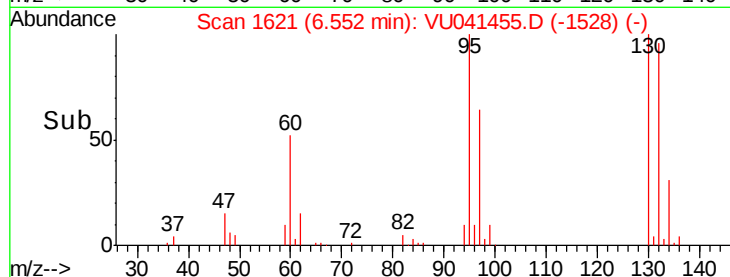


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 23.143 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VU041455.D

Acq: 03 Dec 2020 17:31

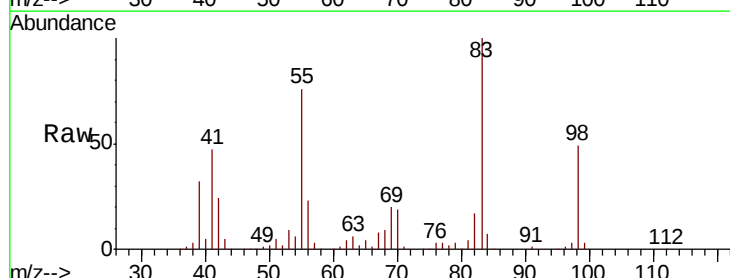
Tgt Ion: 83 Resp: 139580

Ion Ratio Lower Upper

83 100

55 77.0 62.2 93.2

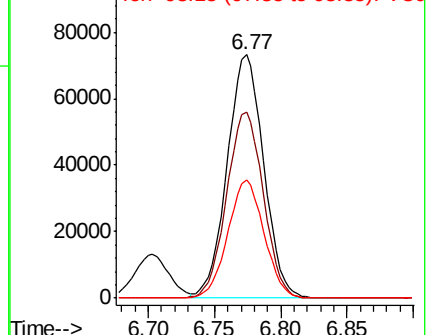
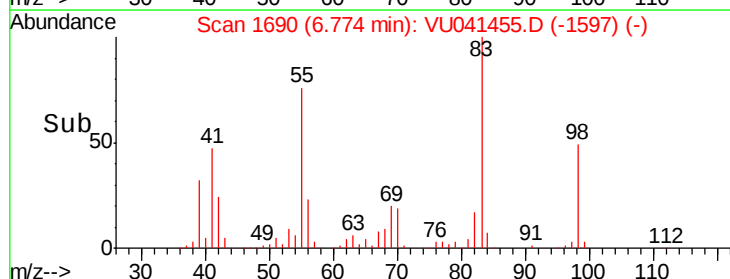
98 48.4 38.2 57.4

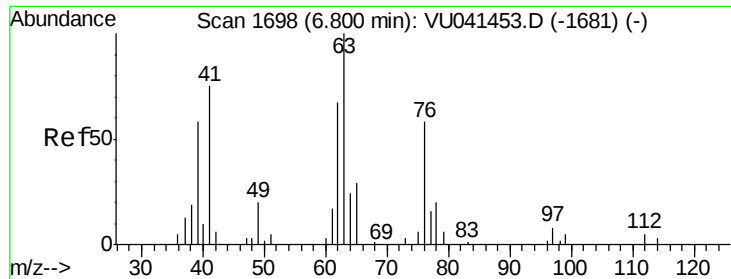


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

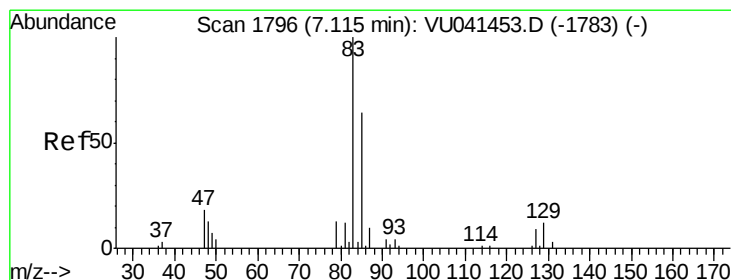
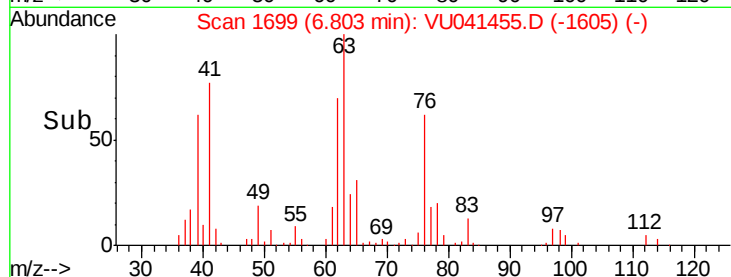
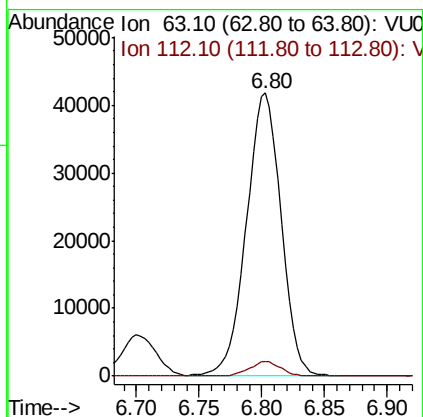
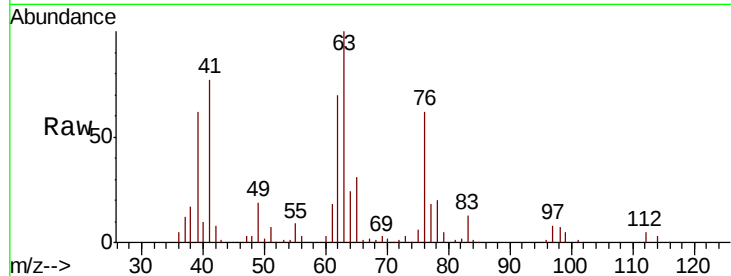




#37
 1,2-Dichloropropane
 Concen: 19.584 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU041455.D
 Acq: 03 Dec 2020 17:31

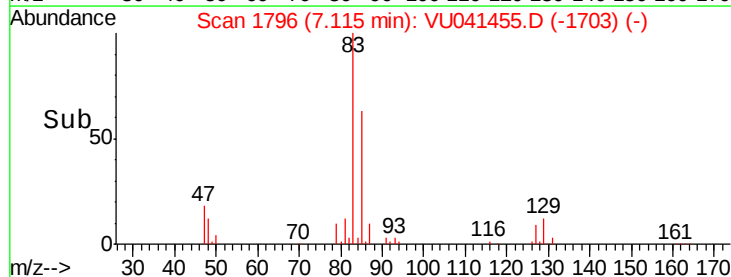
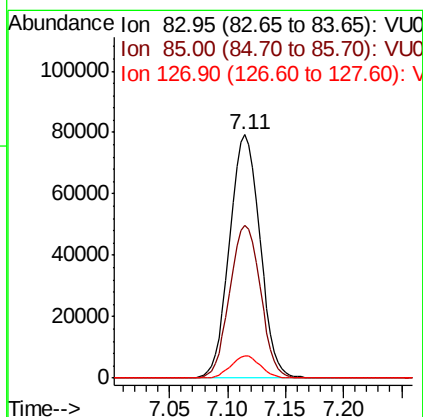
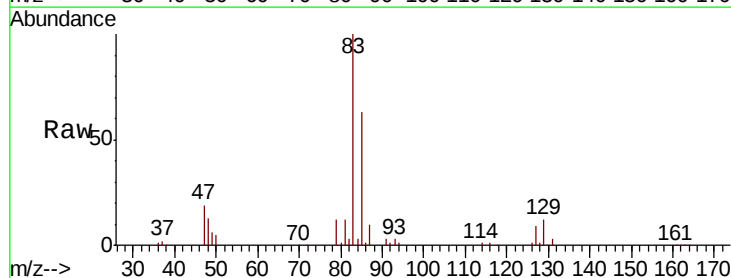
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02003

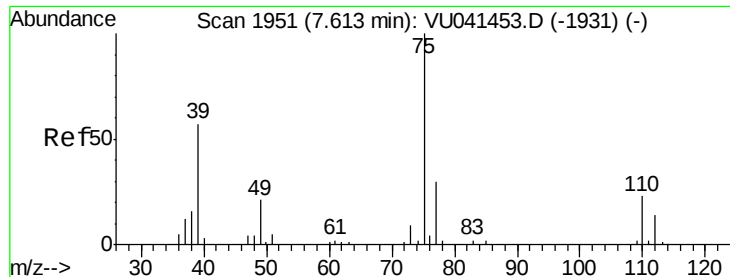
Tot Ion: 63 Resp: 80658
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.5 5.3



#38
 Bromodichloromethane
 Concen: 24.730 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU041455.D
 Acq: 03 Dec 2020 17:31

Tgt Ion: 83 Resp: 144316
 Ion Ratio Lower Upper
 83 100
 85 62.8 44.8 83.2
 127 9.3 7.0 10.4

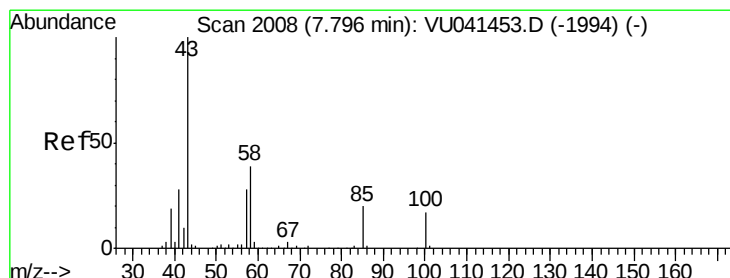
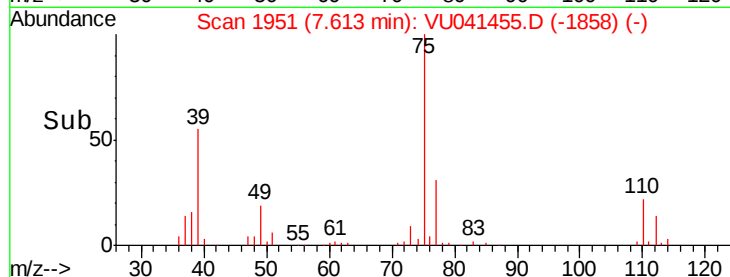
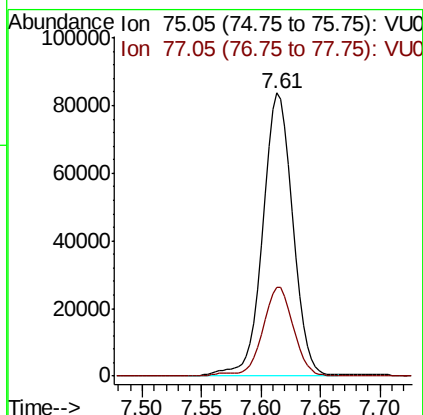
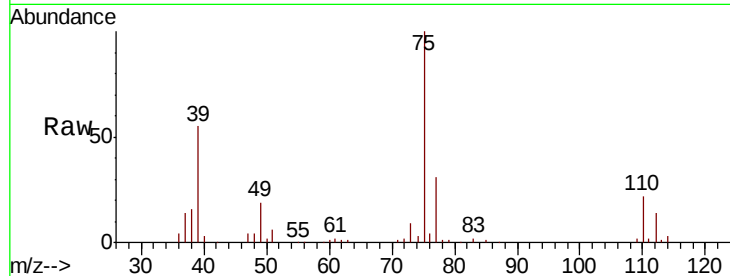




#39
 cis-1,3-Dichloropropene
 Concen: 25.110 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VU041455.D
 Acq: 03 Dec 2020 17:31

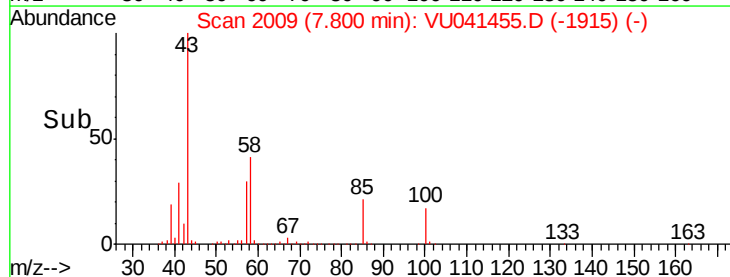
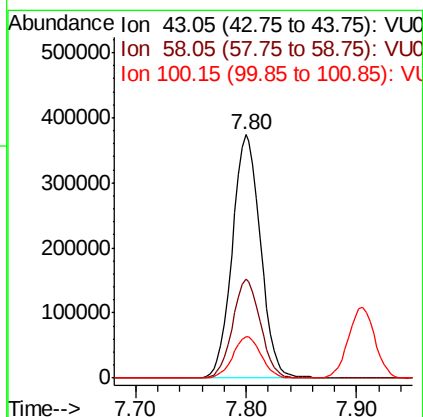
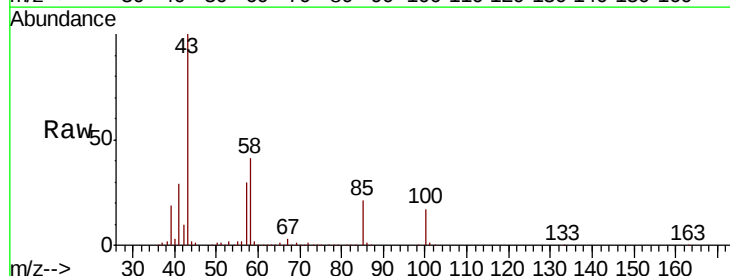
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02003

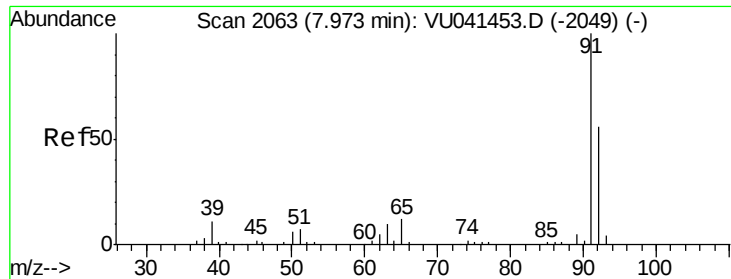
Tot Ion: 75 Resp: 147022
 Ion Ratio Lower Upper
 75 100
 77 31.5 21.0 39.0



#40
 4-Methyl-2-pentanone
 Concen: 256.714 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU041455.D
 Acq: 03 Dec 2020 17:31

Tgt Ion: 43 Resp: 663596
 Ion Ratio Lower Upper
 43 100
 58 40.1 31.1 46.7
 100 17.0 13.7 20.5





#42

Toluene

Concen: 23.102 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU041455.D

Acq: 03 Dec 2020 17:31

Instrument :

MSVOA_Y

ClientSampleId :

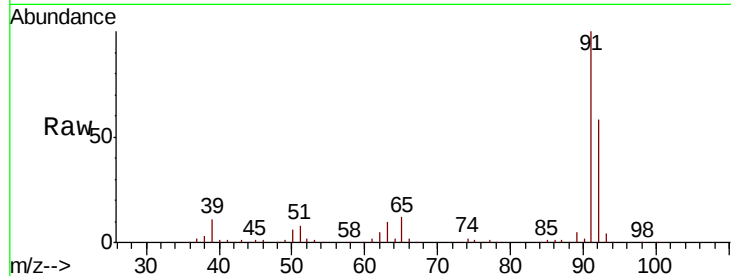
VSTD02003

Tot Ion: 91 Resp: 379362

Ion Ratio Lower Upper

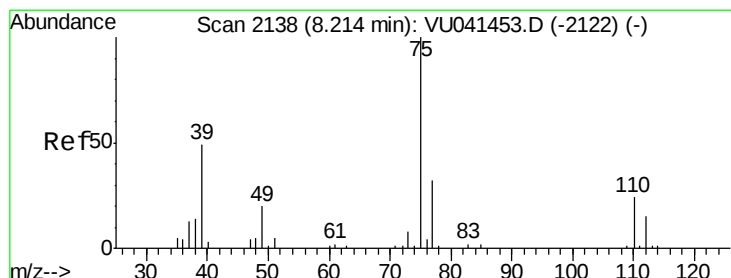
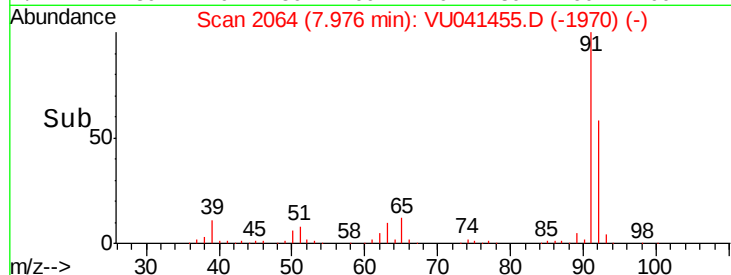
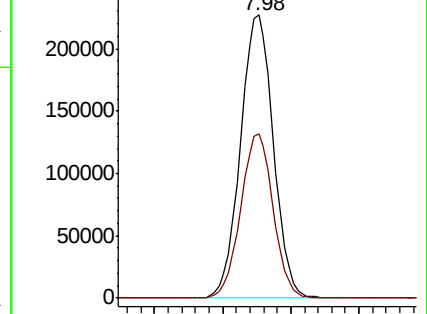
91 100

92 58.1 39.5 73.4



Abundance Ion 91.15 (90.85 to 91.85): VU041455.D (-1970) (-)

Ion 92.15 (91.85 to 92.85): VU041455.D (-1970) (-)



#44

trans-1,3-Dichloropropene

Concen: 27.535 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU041455.D

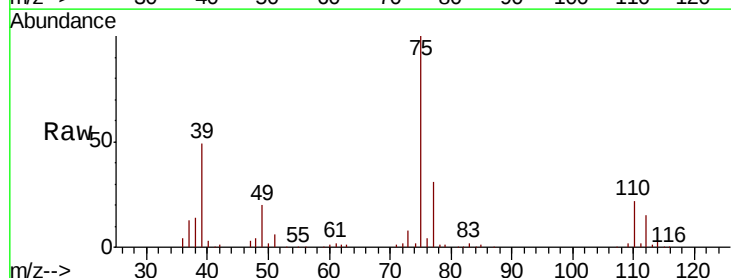
Acq: 03 Dec 2020 17:31

Tgt Ion: 75 Resp: 149210

Ion Ratio Lower Upper

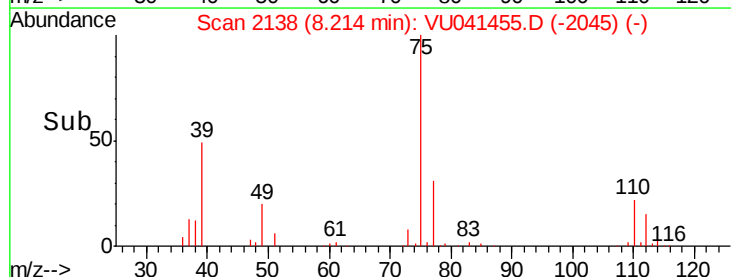
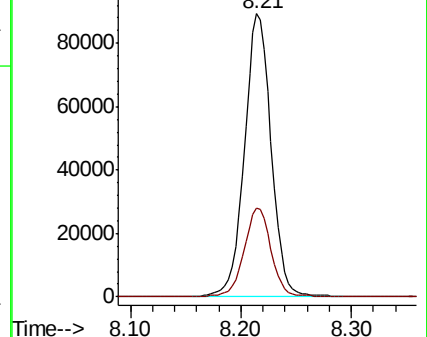
75 100

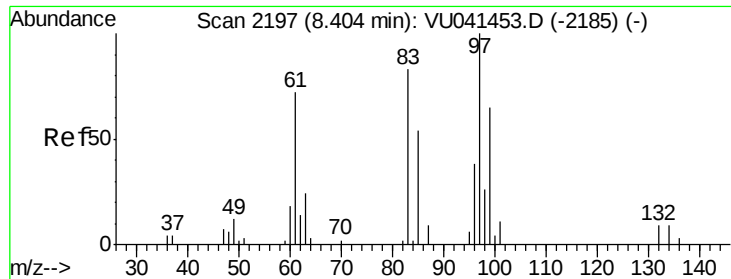
77 31.4 22.3 41.5



Abundance Ion 75.05 (74.75 to 75.75): VU041455.D (-2045) (-)

Ion 77.05 (76.75 to 77.75): VU041455.D (-2045) (-)

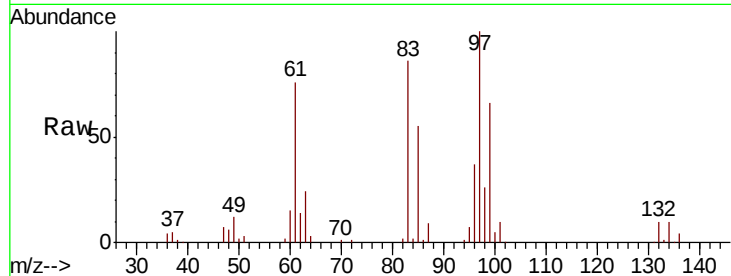




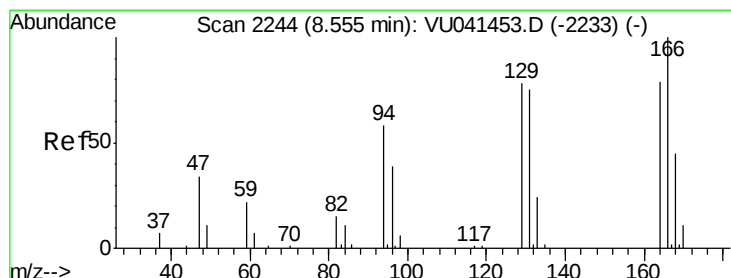
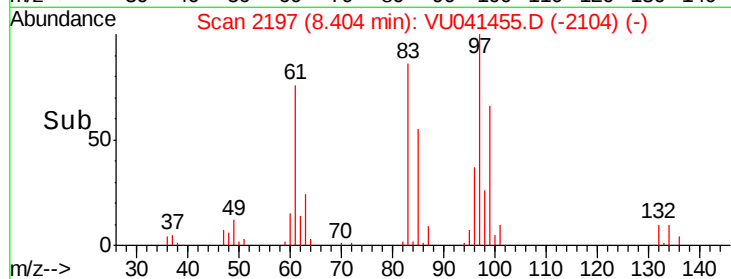
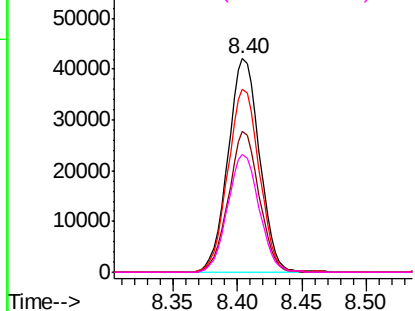
#45
1,1,2-Trichloroethane
Concen: 24.285 ug/L
RT: 8.40 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VU041455.D
Acq: 03 Dec 2020 17:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTD02003

Tot Ion: 97 Resp: 71477
Ion Ratio Lower Upper
97 100
99 65.8 45.2 84.0
83 85.9 57.8 107.4
85 55.3 37.8 70.2

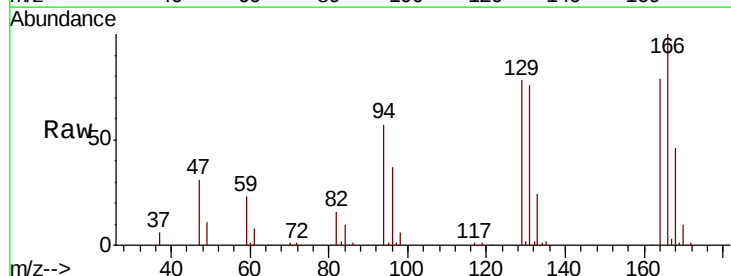


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 82.95 (82.65 to 83.65): VU0
Ion 85.00 (84.70 to 85.70): VU0

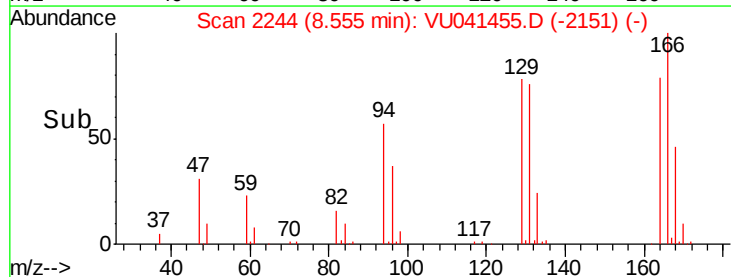
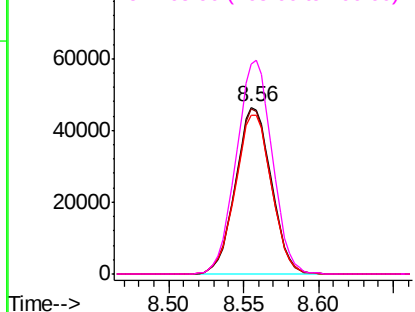


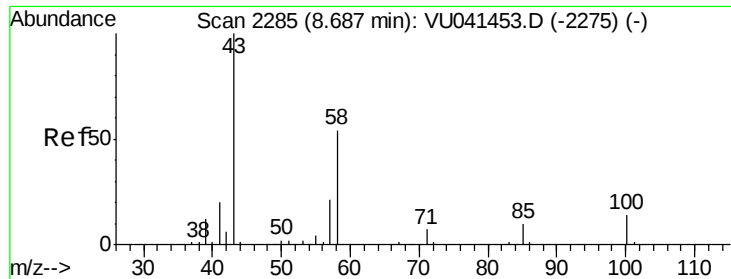
#47
Tetrachloroethene
Concen: 24.256 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VU041455.D
Acq: 03 Dec 2020 17:31

Tgt Ion:164 Resp: 77184
Ion Ratio Lower Upper
164 100
129 99.1 69.4 128.8
131 95.7 66.5 123.5
166 126.3 89.2 165.6



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

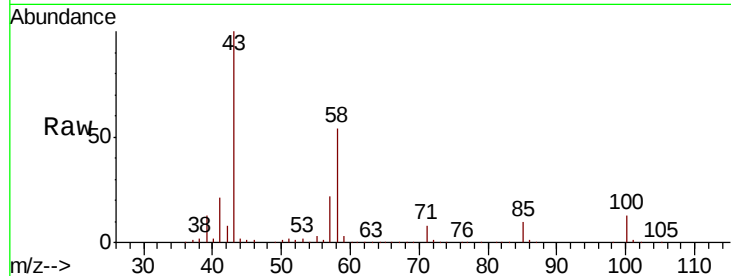




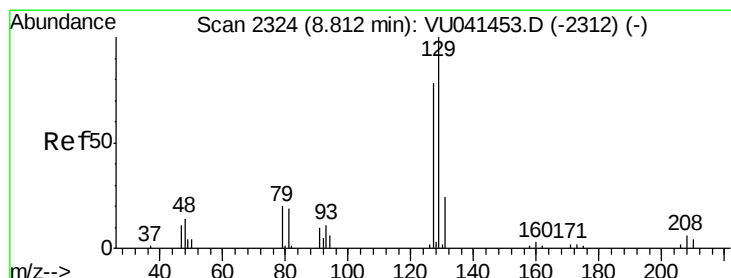
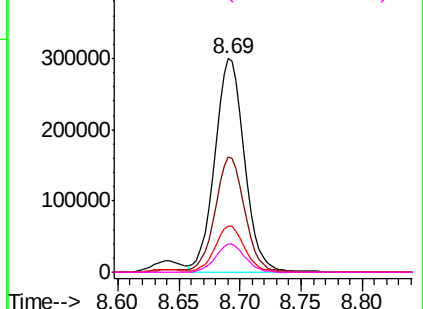
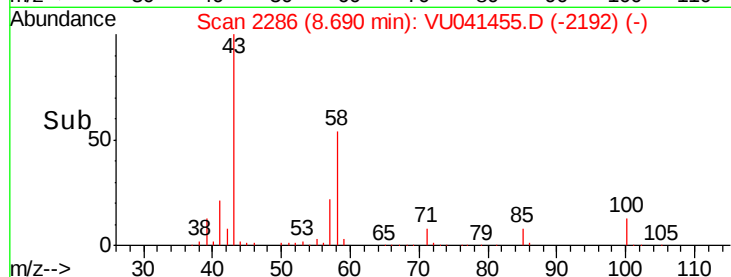
#48
2-Hexanone
Concen: 268.675 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU041455.D
Acq: 03 Dec 2020 17:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTD02003

Tot Ion: 43 Resp: 512164
Ion Ratio Lower Upper
43 100
58 54.1 42.9 64.3
57 21.7 17.2 25.8
100 13.2 10.6 15.8

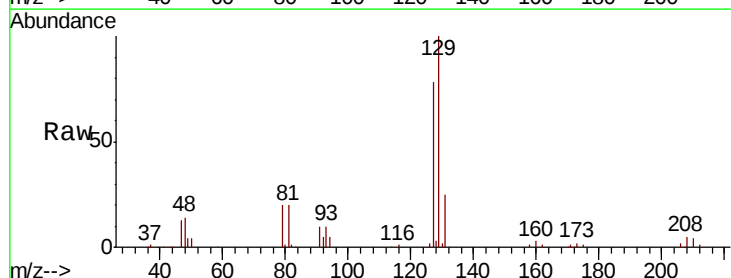


Abundance Ion 43.05 (42.75 to 43.75): VU041455.D (-2192) (-)
Ion 58.05 (57.75 to 58.75): VU041455.D (-2192) (-)
Ion 57.20 (56.90 to 57.90): VU041455.D (-2192) (-)
Ion 100.15 (99.85 to 100.85): VU041455.D (-2192) (-)

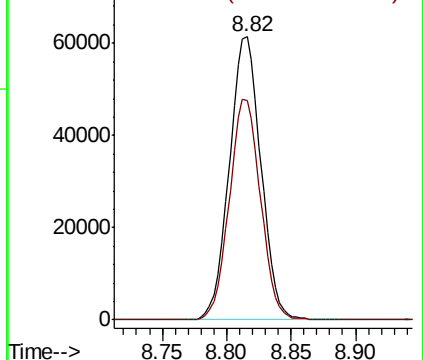
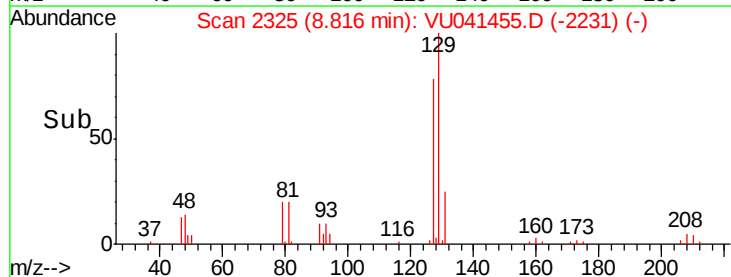


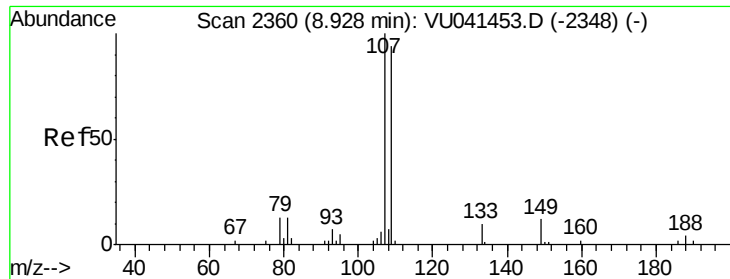
#49
Dibromochloromethane
Concen: 27.109 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU041455.D
Acq: 03 Dec 2020 17:31

Tgt Ion: 129 Resp: 104460
Ion Ratio Lower Upper
129 100
127 77.7 54.6 101.4



Abundance Ion 128.95 (128.65 to 129.65): VU041455.D (-2231) (-)
Ion 126.90 (126.60 to 127.60): VU041455.D (-2231) (-)

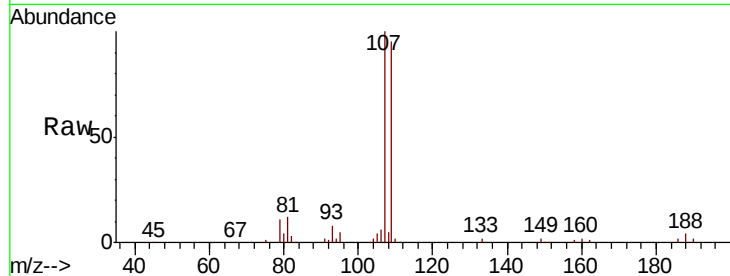




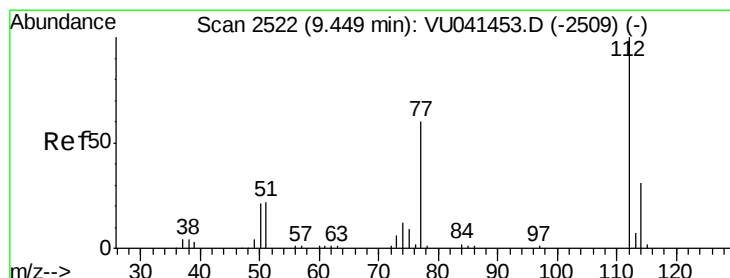
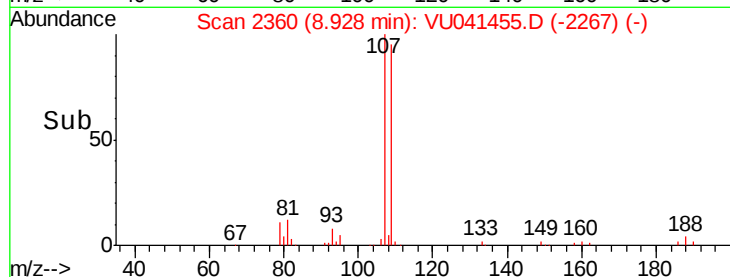
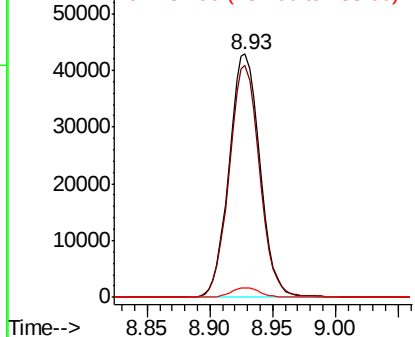
#50
1,2-Dibromoethane
Concen: 25.647 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. -0.00 min
Lab File: VU041455.D
Acq: 03 Dec 2020 17:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTD02003

Tot Ion:107 Resp: 73002
Ion Ratio Lower Upper
107 100
109 95.5 66.0 122.6
188 3.9 3.1 4.7

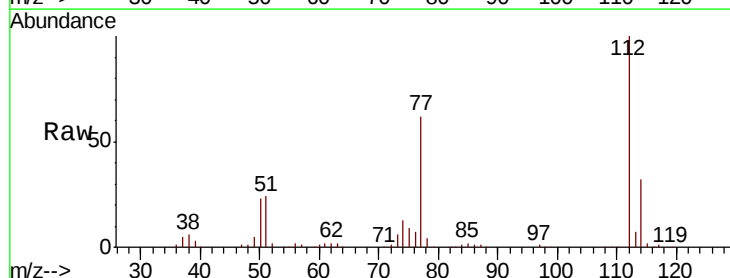


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

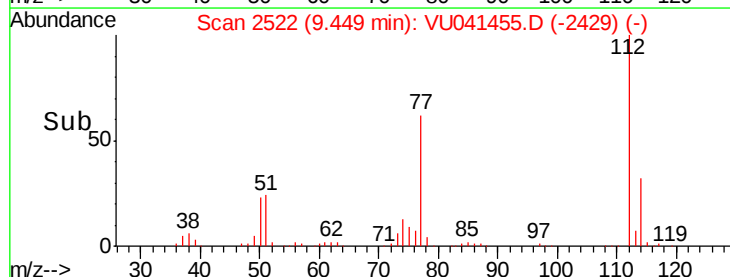
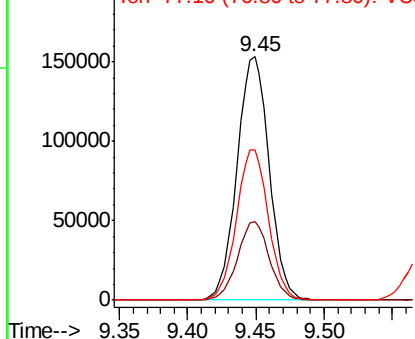


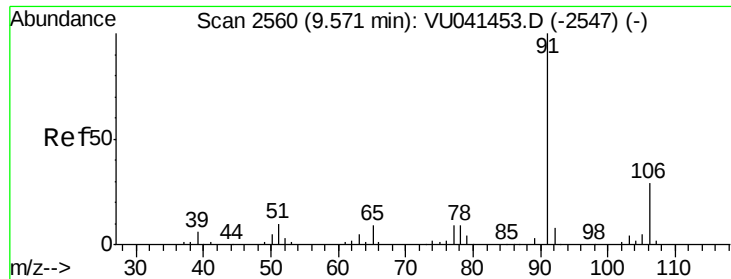
#51
Chlorobenzene
Concen: 23.389 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU041455.D
Acq: 03 Dec 2020 17:31

Tgt Ion:112 Resp: 251229
Ion Ratio Lower Upper
112 100
114 32.3 22.0 41.0
77 61.9 48.8 73.2



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





#52

Ethylbenzene

Concen: 25.714 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU041455.D

Acq: 03 Dec 2020 17:31

Instrument :

MSVOA_Y

ClientSampleId :

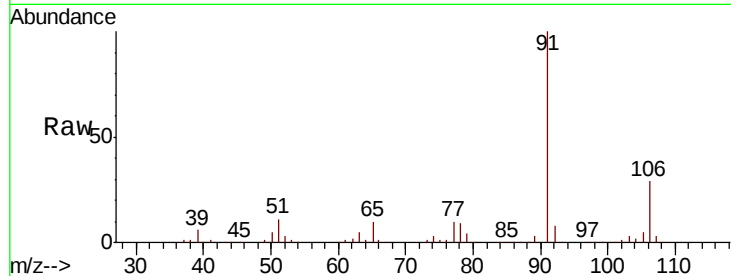
VSTD02003

Tot Ion: 91 Resp: 455575

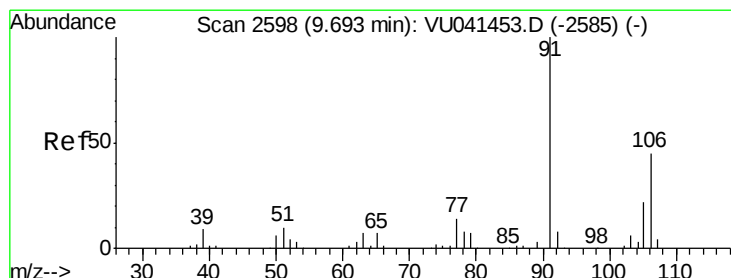
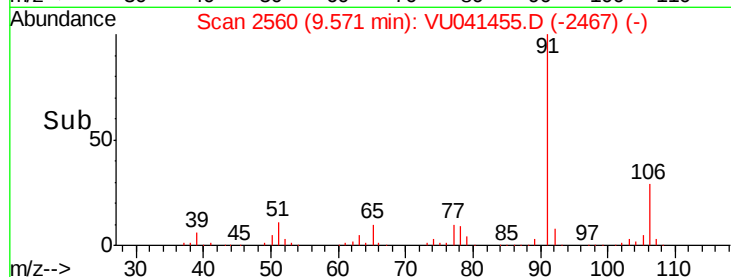
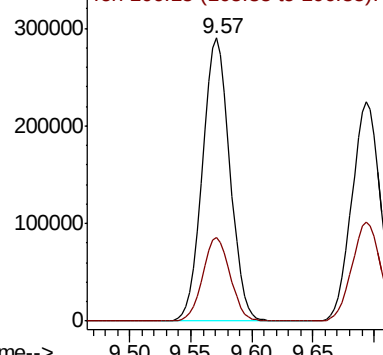
Ion Ratio Lower Upper

91 100

106 29.5 20.2 37.4



Abundance Ion 91.15 (90.85 to 91.85): VU041455.D (-2547) (-)



#53

m,p-Xylene

Concen: 25.681 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU041455.D

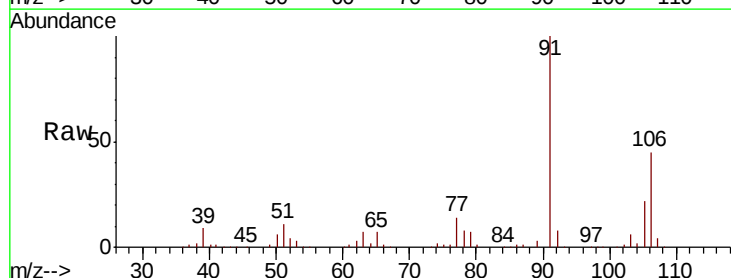
Acq: 03 Dec 2020 17:31

Tgt Ion: 106 Resp: 166279

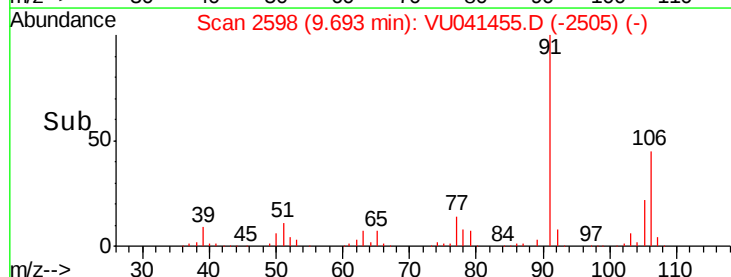
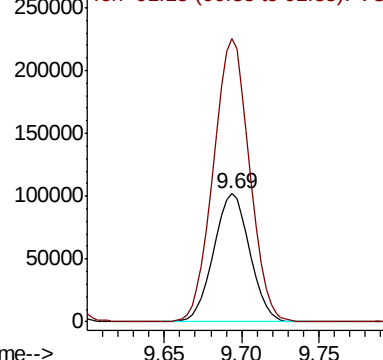
Ion Ratio Lower Upper

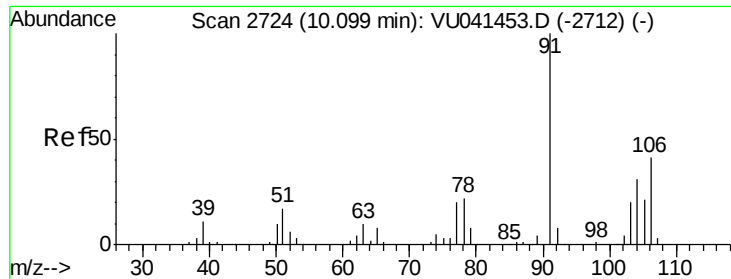
106 100

91 220.4 155.8 289.4



Abundance Ion 106.15 (105.85 to 106.85): VU041455.D (-2598) (-)

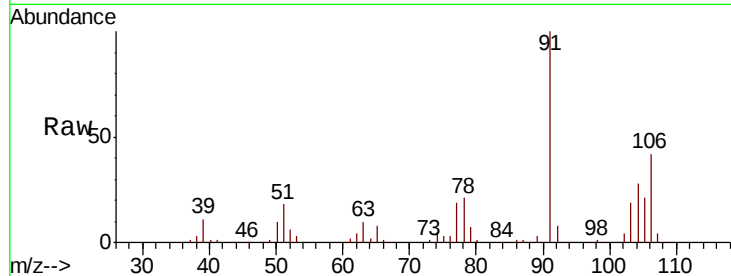




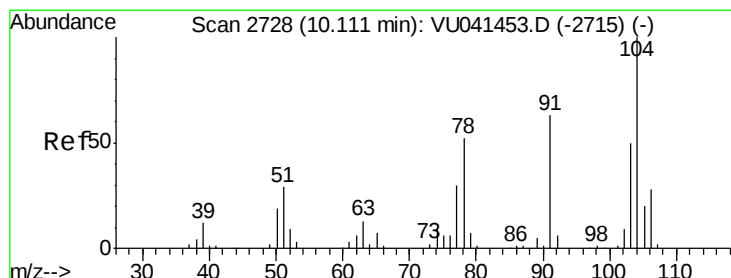
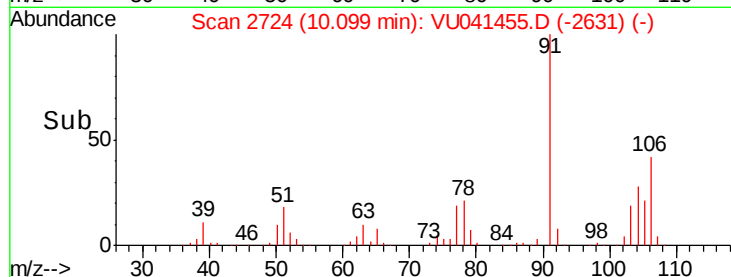
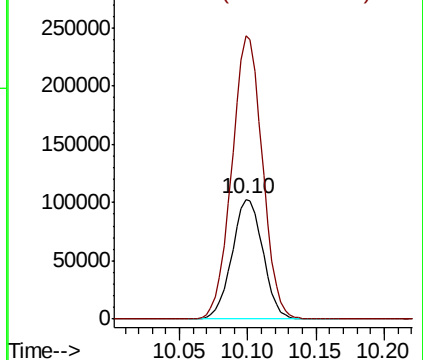
#54
o-Xylene
Concen: 25.922 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU041455.D
Acq: 03 Dec 2020 17:31

Instrument :
MSVOA_Y
ClientSampled :
VSTD02003

Tot Ion:106 Resp: 162143
Ion Ratio Lower Upper
106 100
91 236.7 169.8 315.4

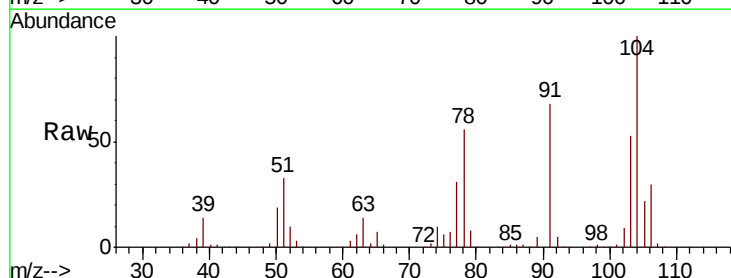


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

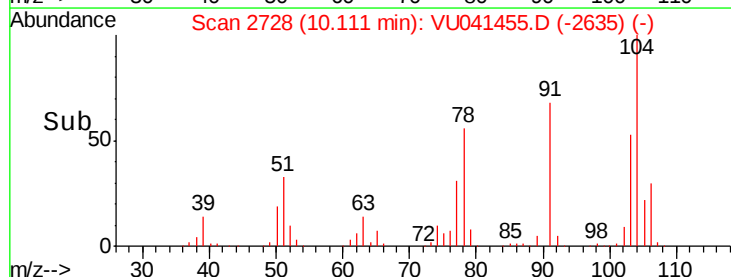
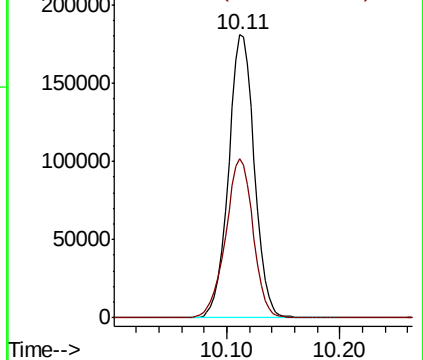


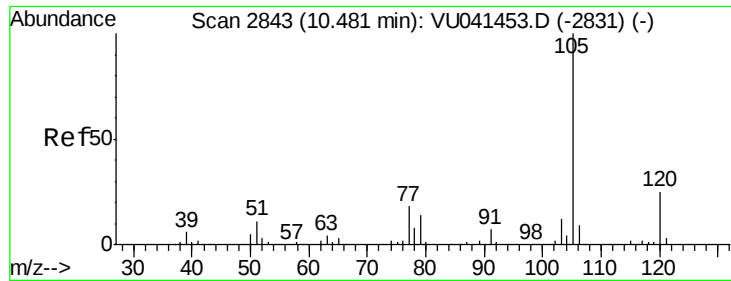
#55
Styrene
Concen: 27.213 ug/L
RT: 10.11 min Scan# 2728
Delta R.T. -0.00 min
Lab File: VU041455.D
Acq: 03 Dec 2020 17:31

Tgt Ion:104 Resp: 286924
Ion Ratio Lower Upper
104 100
78 56.4 36.9 68.5



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 27.316 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU041455.D

Acq: 03 Dec 2020 17:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02003

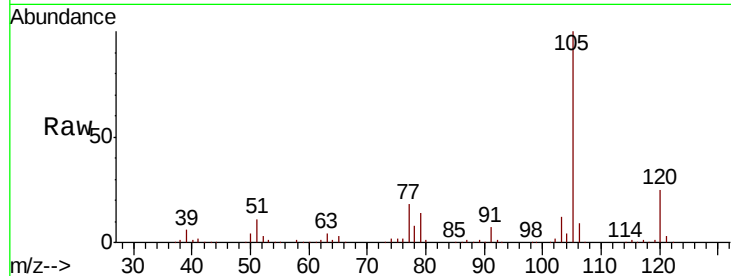
Tot Ion:105 Resp: 464108

Ion Ratio Lower Upper

105 100

120 25.1 20.3 30.5

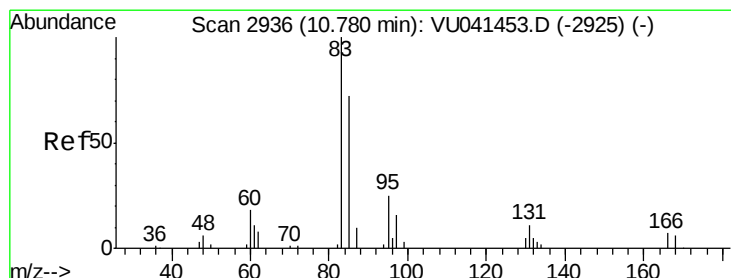
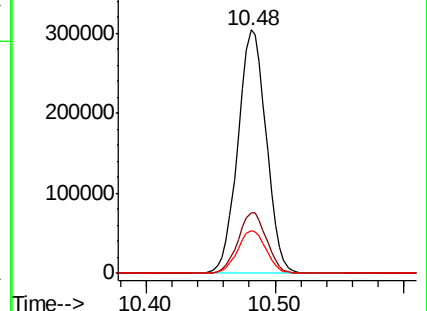
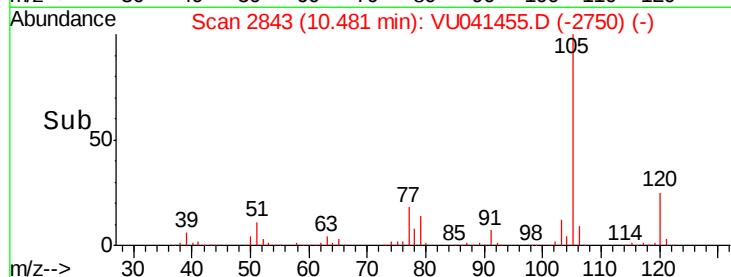
77 17.8 14.2 21.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 27.112 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU041455.D

Acq: 03 Dec 2020 17:31

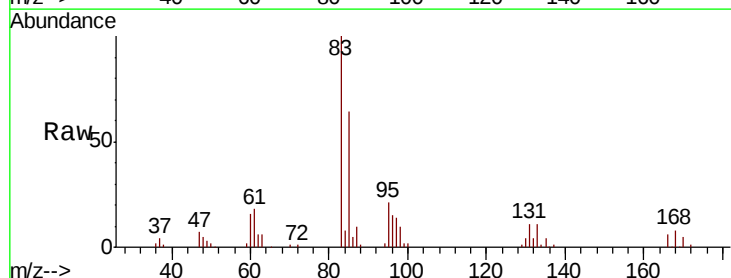
Tgt Ion: 83 Resp: 97442

Ion Ratio Lower Upper

83 100

85 63.7 50.7 94.3

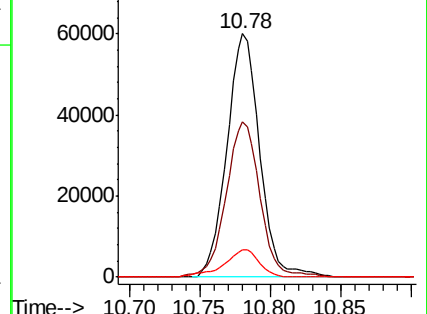
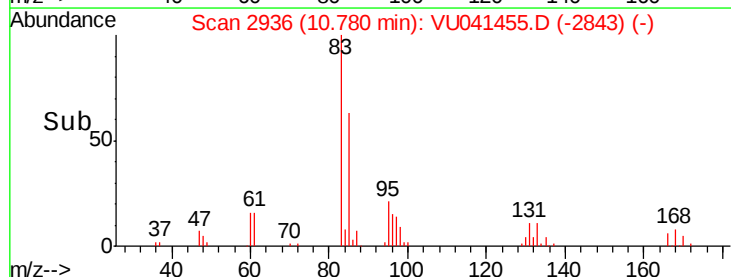
131 11.3 10.3 15.5

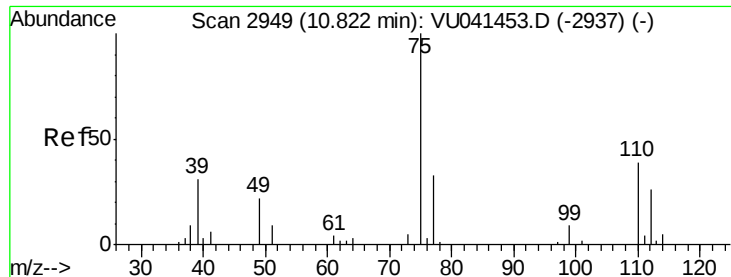


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

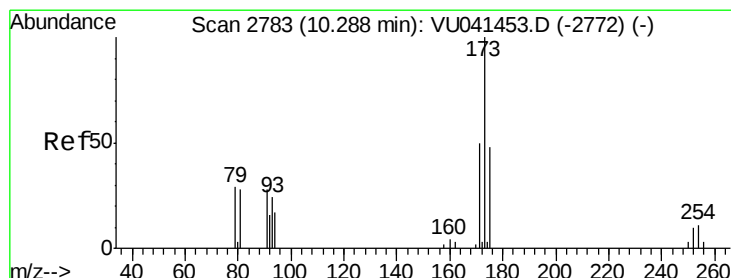
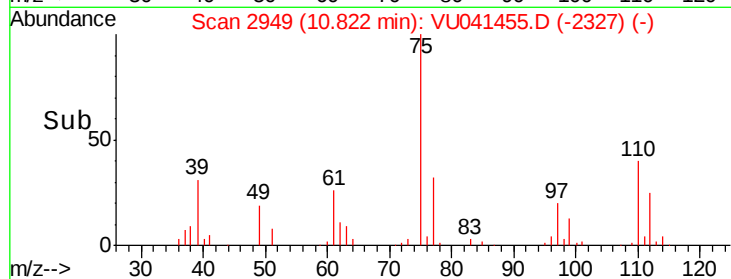
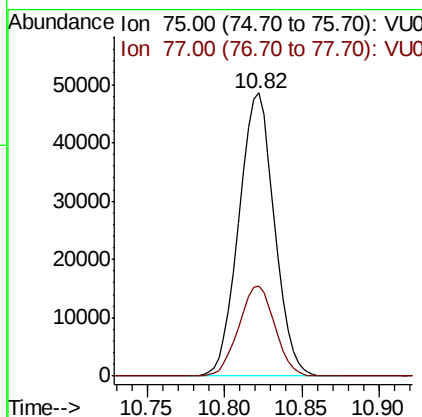
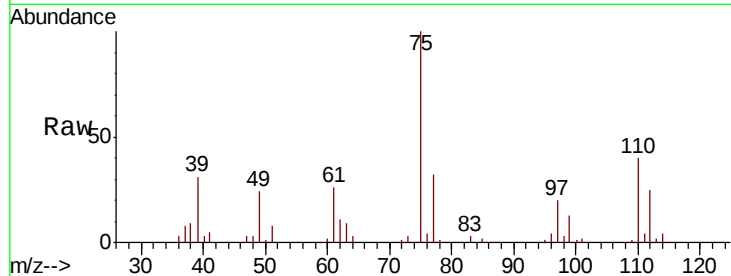




#59
 1,2,3-Trichloropropane
 Concen: 27.632 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. -0.00 min
 Lab File: VU041455.D
 Acq: 03 Dec 2020 17:31

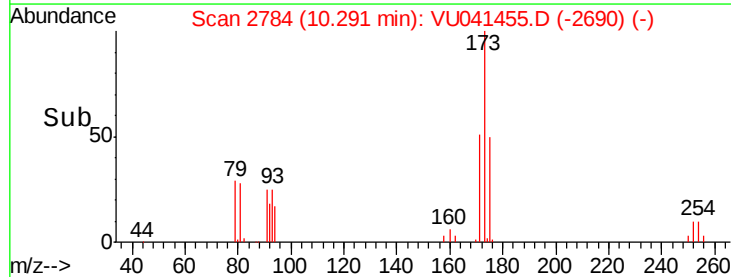
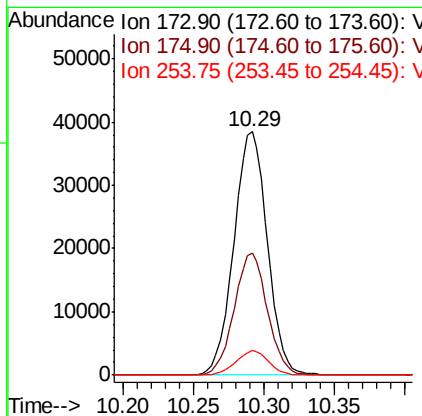
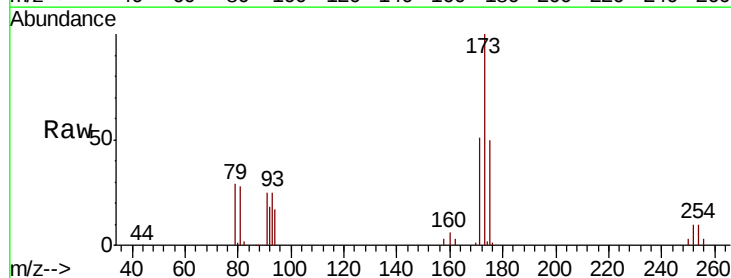
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02003

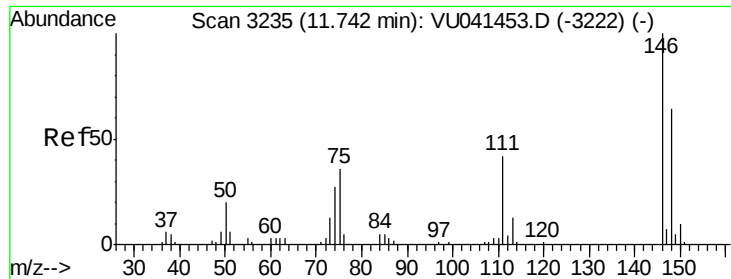
Tot Ion: 75 Resp: 77591
 Ion Ratio Lower Upper
 75 100
 77 32.3 27.3 40.9



#61
 Bromoform
 Concen: 25.660 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: VU041455.D
 Acq: 03 Dec 2020 17:31

Tgt Ion: 173 Resp: 63905
 Ion Ratio Lower Upper
 173 100
 175 49.5 38.0 57.0
 254 9.6 7.7 11.5





#62

1,3-Dichlorobenzene

Concen: 22.674 ug/L

RT: 11.74 min Scan# 3234

Delta R.T. -0.00 min

Lab File: VU041455.D

Acq: 03 Dec 2020 17:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02003

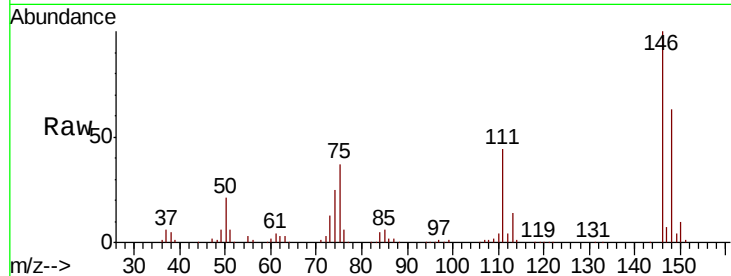
Tot Ion:146 Resp: 222832

Ion Ratio Lower Upper

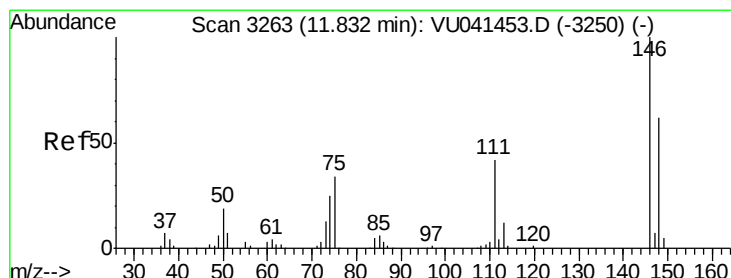
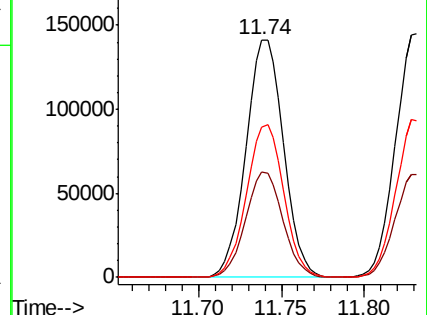
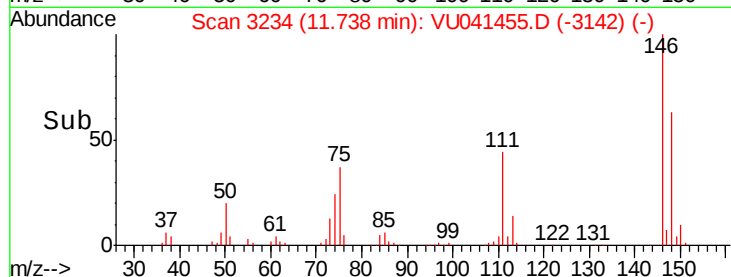
146 100

111 44.3 29.3 54.3

148 63.4 44.7 82.9



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 23.254 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. -0.00 min

Lab File: VU041455.D

Acq: 03 Dec 2020 17:31

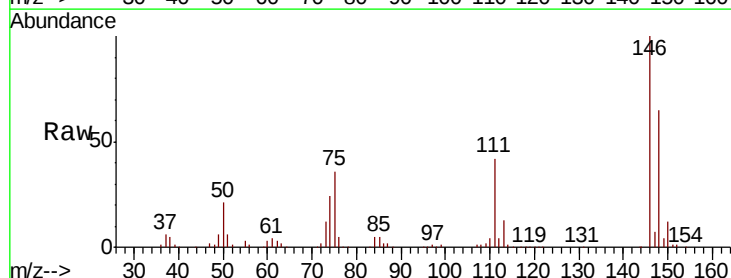
Tgt Ion:146 Resp: 226791

Ion Ratio Lower Upper

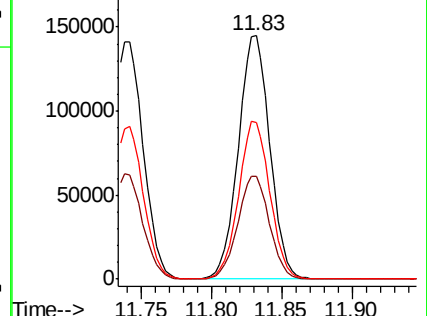
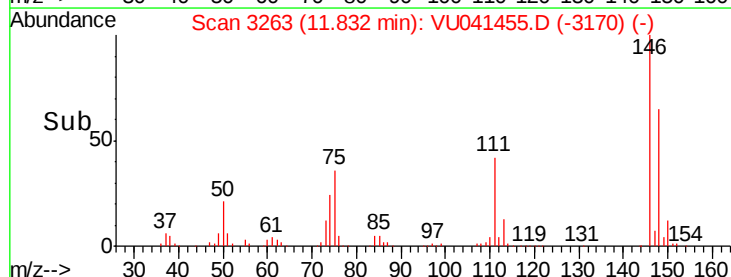
146 100

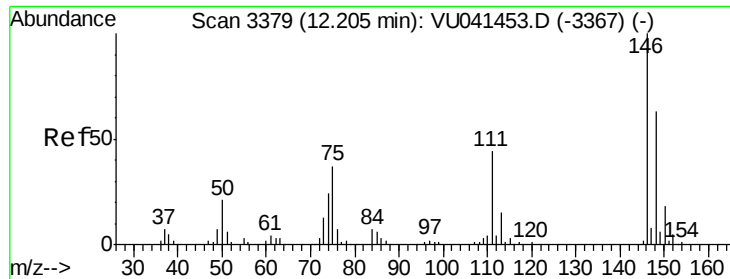
111 42.1 29.8 55.4

148 64.5 43.1 80.1



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 23.923 ug/L

RT: 12.20 min Scan# 3379

Delta R.T. -0.00 min

Lab File: VU041455.D

Acq: 03 Dec 2020 17:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02003

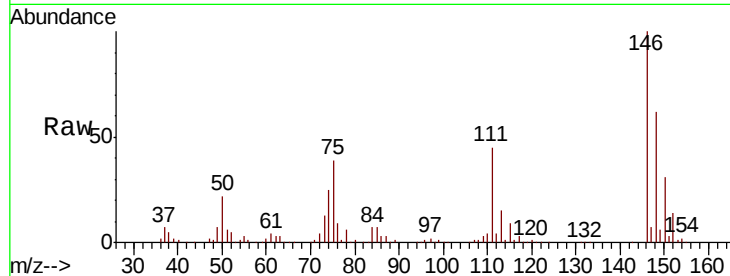
Tot Ion:146 Resp: 218649

Ion Ratio Lower Upper

146 100

111 45.5 35.6 53.4

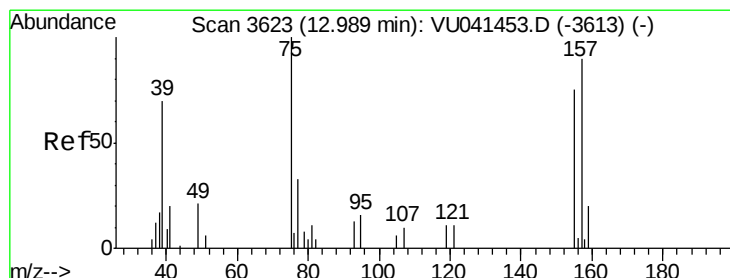
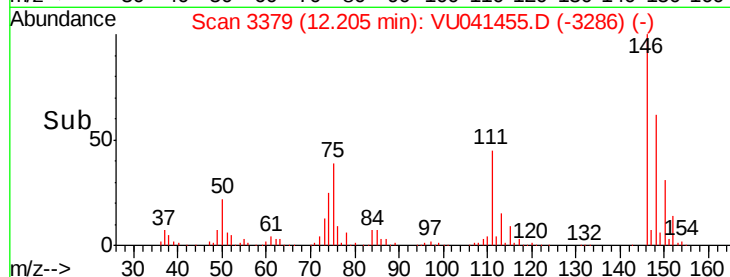
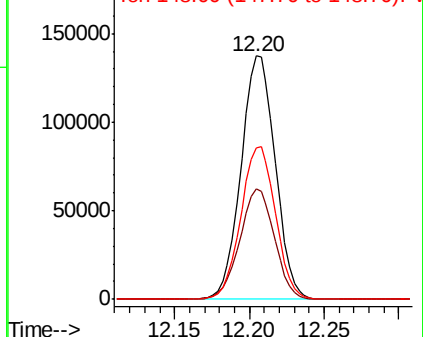
148 62.4 50.8 76.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 30.958 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. -0.00 min

Lab File: VU041455.D

Acq: 03 Dec 2020 17:31

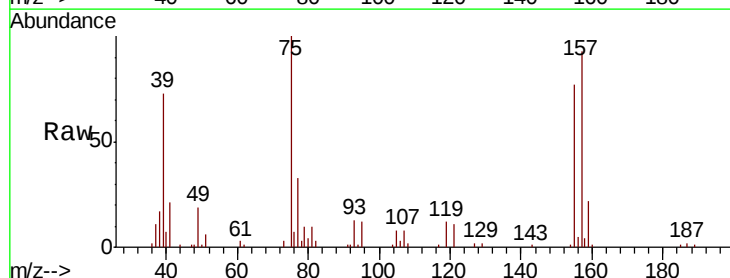
Tgt Ion: 75 Resp: 23030

Ion Ratio Lower Upper

75 100

155 76.6 60.0 90.0

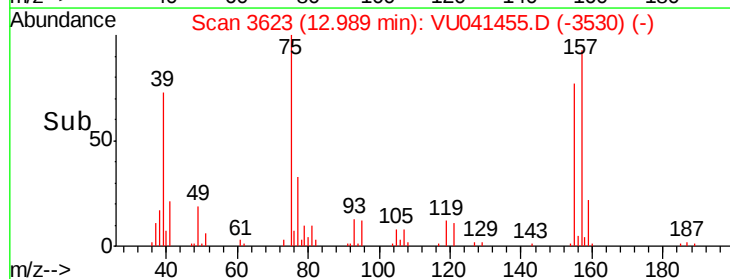
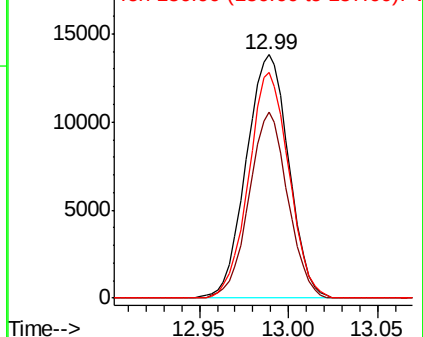
157 92.7 72.3 108.5

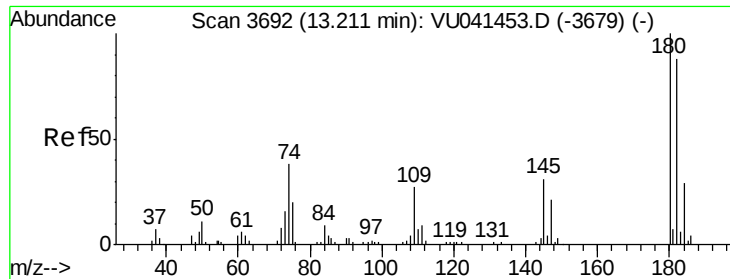


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

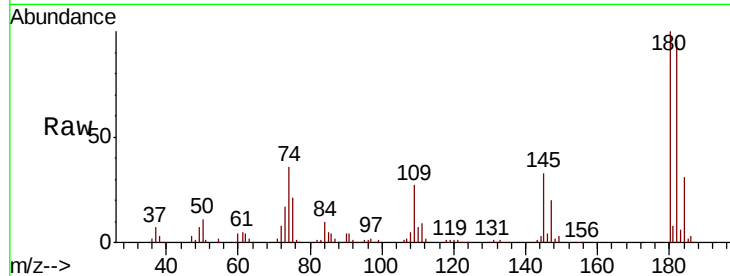




#67
 1,3,5-Trichlorobenzene
 Concen: 25.359 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VU041455.D
 Acq: 03 Dec 2020 17:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02003

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.2	114.4
184	30.2	24.3	36.5
145	32.5	25.7	38.5



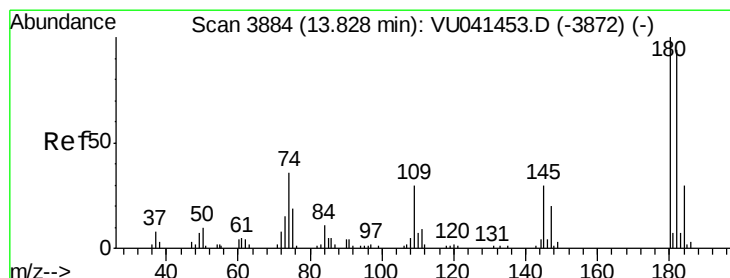
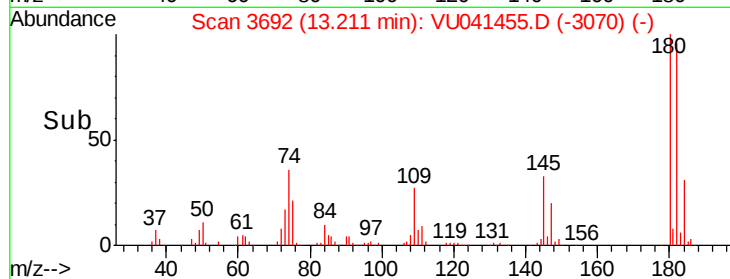
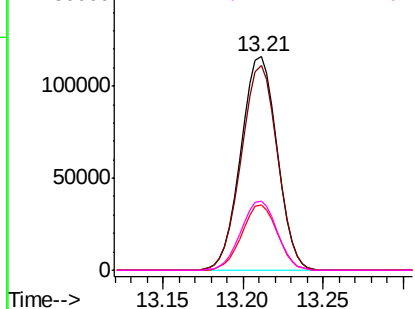
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

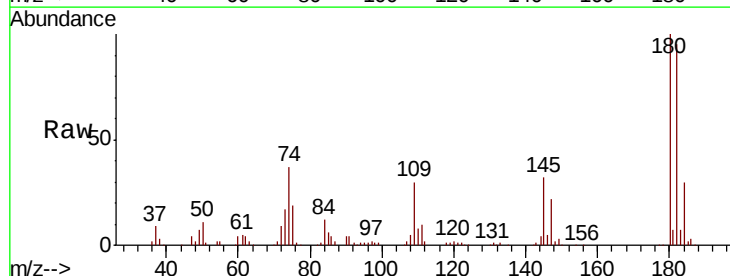
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 27.896 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU041455.D
 Acq: 03 Dec 2020 17:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.1	114.1
145	32.5	24.9	37.3

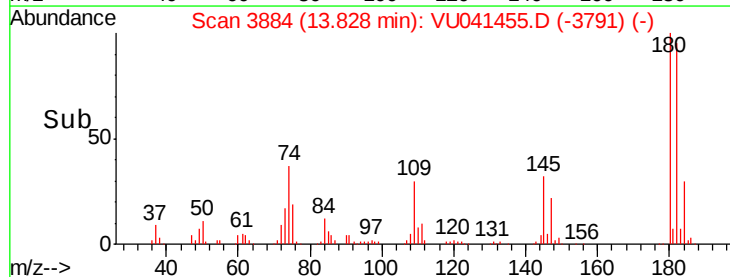
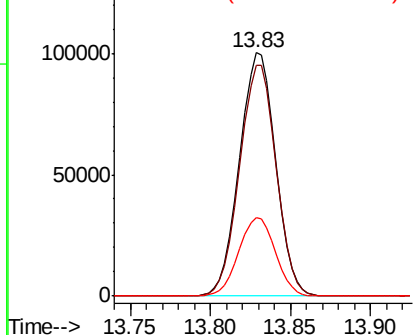


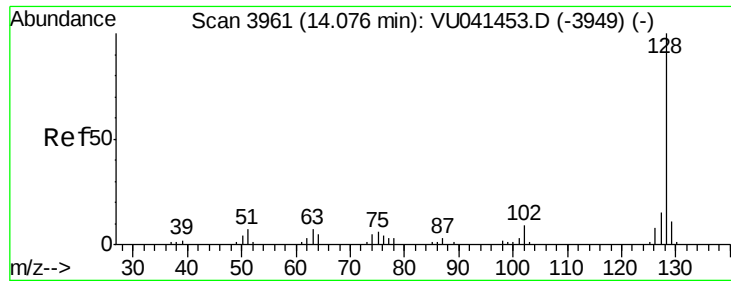
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 33.906 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU041455.D

Acq: 03 Dec 2020 17:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02003

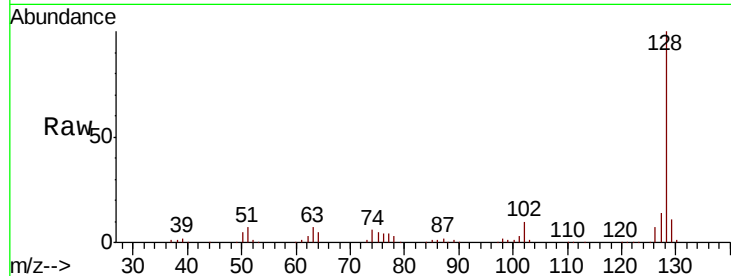
Tot Ion:128 Resp: 293251

Ion Ratio Lower Upper

128 100

129 10.9 8.5 12.7

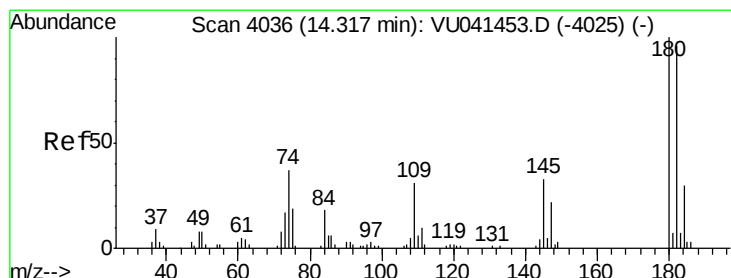
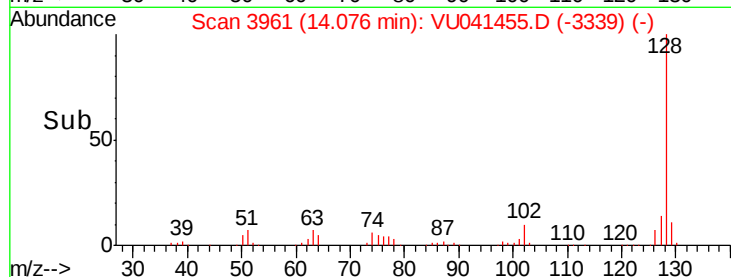
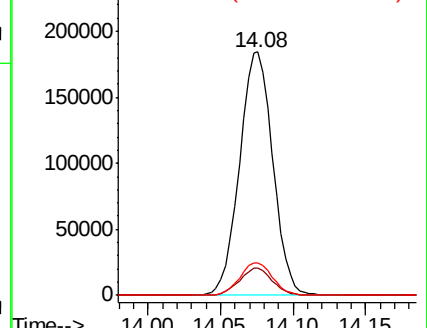
127 13.3 11.6 17.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 28.213 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. -0.00 min

Lab File: VU041455.D

Acq: 03 Dec 2020 17:31

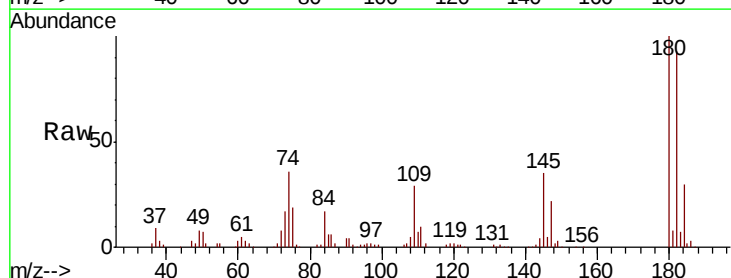
Tgt Ion:180 Resp: 141972

Ion Ratio Lower Upper

180 100

182 93.9 75.3 112.9

145 35.1 26.9 40.3



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

