

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121220\
 Data File : VU041575.D
 Acq On : 12 Dec 2020 18:14
 Operator : SY/MD
 Sample : VSTD00503
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00503

Quant Time: Dec 13 09:49:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sun Dec 13 09:47:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	155942	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	147749	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	77946	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	62070	5.00	ug/L	0.00
7) Chloroethane-d5	1.92	69	48012	5.00	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	113092	5.00	ug/L	0.00
20) 2-Butanone-d5	4.65	46	179376	50.00	ug/L	0.00
24) Chloroform-d	5.08	84	105119	5.00	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	58489	5.00	ug/L	0.00
32) Benzene-d6	5.74	84	212477	5.00	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	66649	5.00	ug/L	0.00
41) Toluene-d8	7.91	98	195160	5.00	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	30482	5.00	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	168466	50.00	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.75	84	60157	5.00	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.19	152	67833	5.00	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	68553	5.000 ug/L	100
3) Chloromethane	1.53	50	67861	5.000 ug/L	100
5) Vinyl chloride	1.61	62	72579	5.000 ug/L	100
6) Bromomethane	1.87	94	45755	5.000 ug/L	100
8) Chloroethane	1.94	64	48841	5.000 ug/L	100
9) Trichlorofluoromethane	2.15	101	96078	5.000 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	55728	5.000 ug/L	100
12) 1,1-Dichloroethene	2.59	96	54651	5.000 ug/L	100
13) Acetone	2.66	43	114677	50.000 ug/L	100
14) Carbon disulfide	2.81	76	191012	5.000 ug/L	100
15) Methyl Acetate	2.97	43	30729	5.000 ug/L	100
16) Methylene chloride	3.06	84	62506	5.000 ug/L	100
17) Methyl tert-butyl Ether	3.38	73	148876	5.000 ug/L	100
18) trans-1,2-Dichloroethene	3.37	96	58305	5.000 ug/L	100
19) 1,1-Dichloroethane	3.89	63	105996	5.000 ug/L	100
21) 2-Butanone	4.73	43	193939	50.000 ug/L	100
22) cis-1,2-Dichloroethene	4.69	96	63088	5.000 ug/L	100
23) Bromochloromethane	4.99	128	29450	5.000 ug/L	100
25) Chloroform	5.11	83	109298	5.000 ug/L	100
27) 1,2-Dichloroethane	5.81	62	73483	5.000 ug/L	100
29) 1,1,1-Trichloroethane	5.33	97	89607	5.000 ug/L	100
30) Cyclohexane	5.40	56	101619	5.000 ug/L	100
31) Carbon tetrachloride	5.54	117	78282	5.000 ug/L	100
33) Benzene	5.79	78	251157	5.000 ug/L	100
34) Trichloroethene	6.55	95	63271	5.000 ug/L	100
35) Methylcyclohexane	6.77	83	101509	5.000 ug/L	100
37) 1,2-Dichloropropane	6.80	63	62324	5.000 ug/L	100
38) Bromodichloromethane	7.11	83	79154	5.000 ug/L	100
39) cis-1,3-Dichloropropene	7.62	75	96477	5.000 ug/L	100
40) 4-Methyl-2-pentanone	7.80	43	469265	50.000 ug/L	100

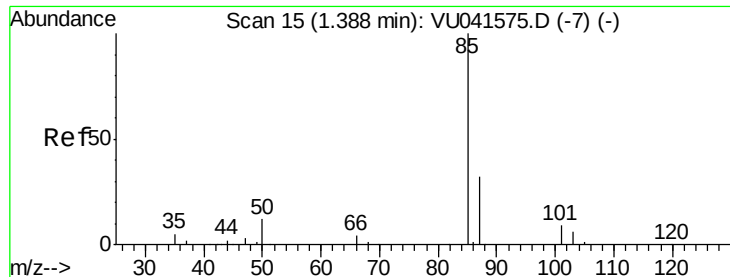
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121220\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.98	91	265041	5.000	ug/L	100
44) trans-1,3-Dichloropropene	8.21	75	86534	5.000	ug/L	100
45) 1,1,2-Trichloroethane	8.40	97	49828	5.000	ug/L	100
47) Tetrachloroethene	8.56	164	44262	5.000	ug/L	100
48) 2-Hexanone	8.69	43	343873	50.000	ug/L	100
49) Dibromochloromethane	8.81	129	54594	5.000	ug/L	100
50) 1,2-Dibromoethane	8.93	107	47377	5.000	ug/L	100
51) Chlorobenzene	9.45	112	161950	5.000	ug/L	100
52) Ethylbenzene	9.57	91	284407	5.000	ug/L	100
53) m,p-Xylene	9.69	106	110763	5.000	ug/L	100
54) o-Xylene	10.10	106	104767	5.000	ug/L	100
55) Styrene	10.11	104	182544	5.000	ug/L	100
56) Isopropylbenzene	10.48	105	274032	5.000	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	65058	5.000	ug/L	100
59) 1,2,3-Trichloropropane	10.82	75	47804	5.000	ug/L	100
61) Bromoform	10.29	173	32124	5.000	ug/L	100
62) 1,3-Dichlorobenzene	11.74	146	125953	5.000	ug/L	100
63) 1,4-Dichlorobenzene	11.83	146	128344	5.000	ug/L	100
65) 1,2-Dichlorobenzene	12.21	146	121197	5.000	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.99	75	11819	5.000	ug/L	100
67) 1,3,5-Trichlorobenzene	13.21	180	96408	5.000	ug/L	100
68) 1,2,4-trichlorobenzene	13.83	180	88855	5.000	ug/L	100
69) Naphthalene	14.07	128	176099	5.000	ug/L	100
70) 1,2,3-Trichlorobenzene	14.32	180	82852	5.000	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 5.000 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041575.D

Acq: 12 Dec 2020 18:14

Instrument :

MSVOA_U

ClientSampleId :

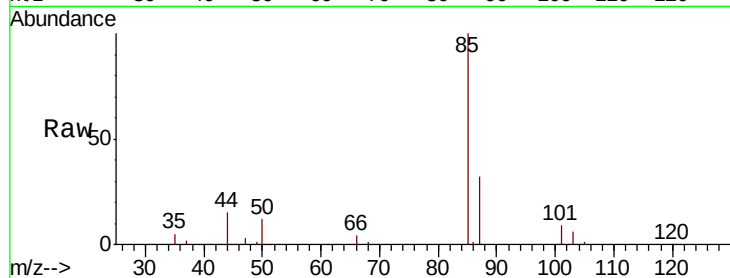
VSTD00503

Tot Ion: 85 Resp: 68553

Ion Ratio Lower Upper

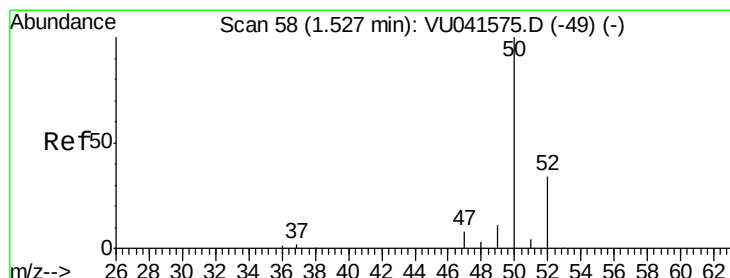
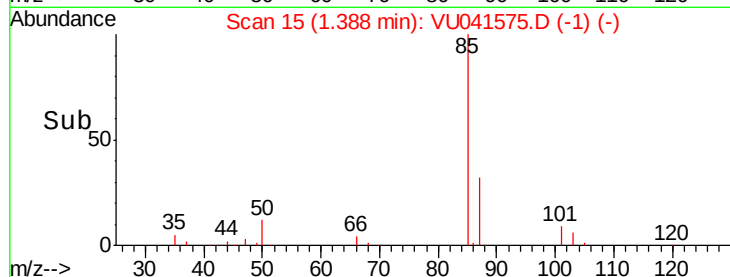
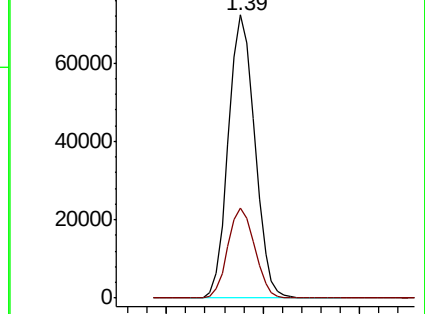
85 100

87 32.2 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VU041575.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU041575.D (-7) (-)



#3

Chloromethane

Concen: 5.000 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU041575.D

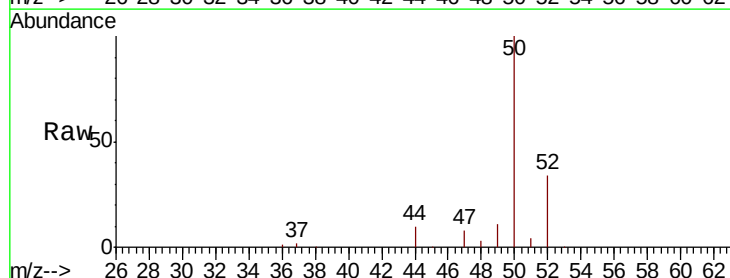
Acq: 12 Dec 2020 18:14

Tgt Ion: 50 Resp: 67861

Ion Ratio Lower Upper

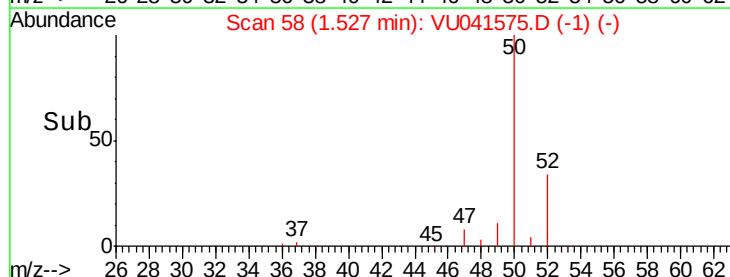
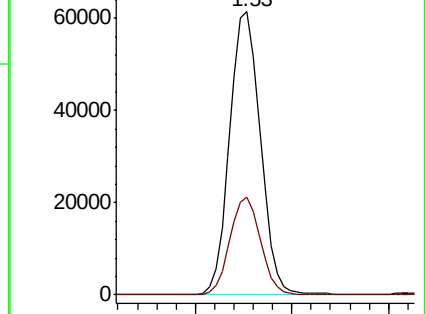
50 100

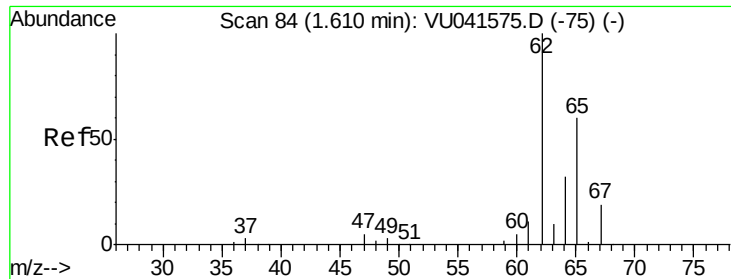
52 34.5 24.1 44.8



Abundance Ion 50.05 (49.75 to 50.75): VU041575.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU041575.D (-49) (-)





#5

Vinyl chloride

Concen: 5.000 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041575.D

Acq: 12 Dec 2020 18:14

Instrument :

MSVOA_U

ClientSampleId :

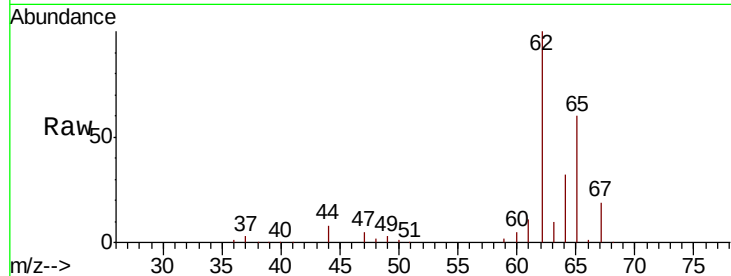
VSTD00503

Tot Ion: 62 Resp: 72579

Ion Ratio Lower Upper

62 100

64 32.1 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VU041575.D (-75) (-)

Ion 64.10 (63.80 to 64.80): VU041575.D (-75) (-)

1.61

60000

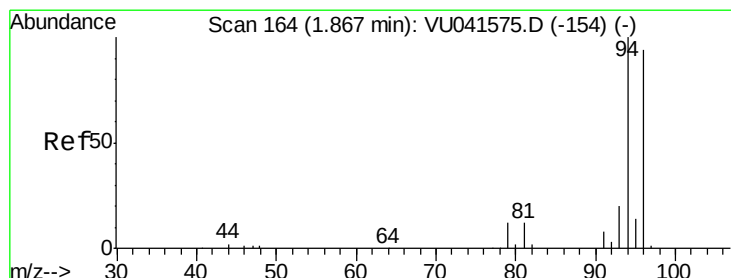
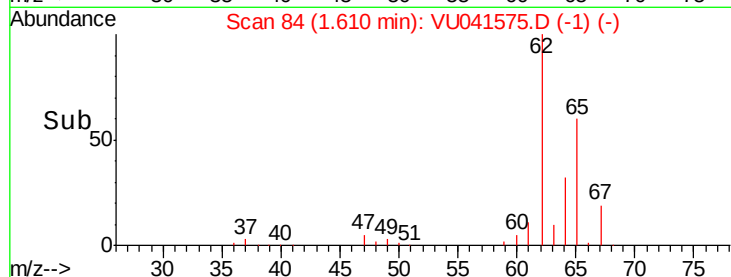
40000

20000

0

Time-->

1.55 1.60 1.65 1.70



#6

Bromomethane

Concen: 5.000 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU041575.D

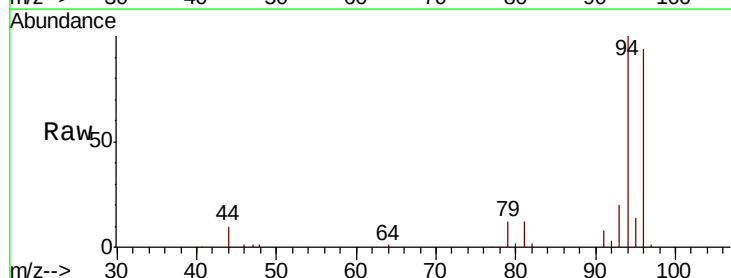
Acq: 12 Dec 2020 18:14

Tgt Ion: 94 Resp: 45755

Ion Ratio Lower Upper

94 100

96 93.8 65.7 121.9



Abundance Ion 94.00 (93.70 to 94.70): VU041575.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU041575.D (-154) (-)

1.87

40000

30000

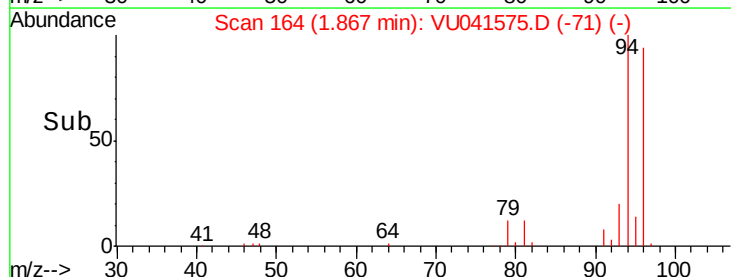
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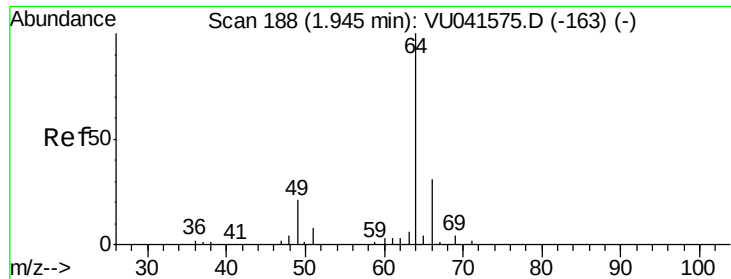
10000

0

Time-->

1.80 1.85 1.90 1.95





#8

Chloroethane

Concen: 5.000 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU041575.D

Acq: 12 Dec 2020 18:14

Instrument :

MSVOA_U

ClientSampleId :

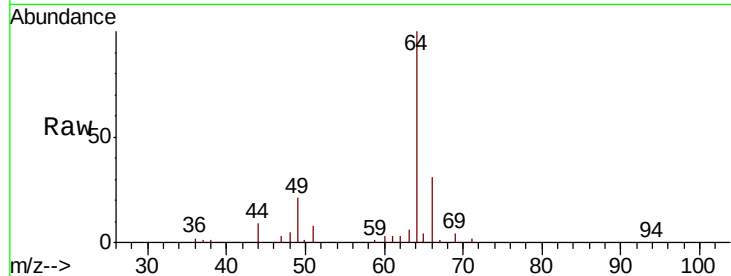
VSTD00503

Tot Ion: 64 Resp: 48841

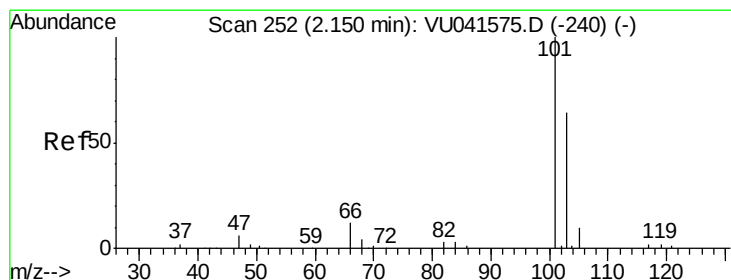
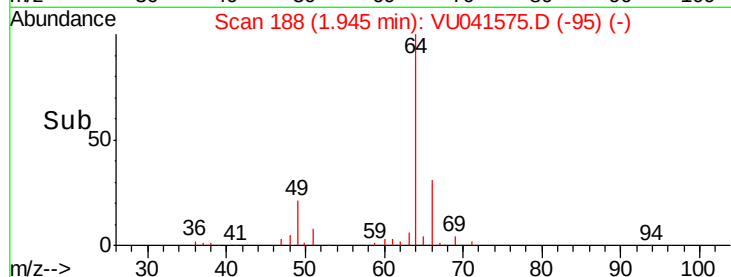
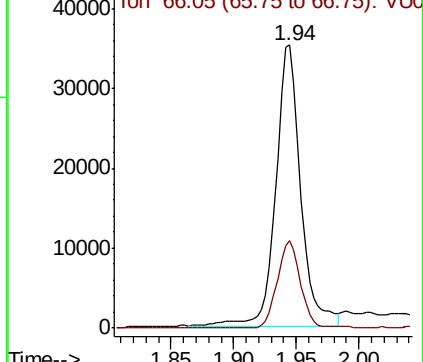
Ion Ratio Lower Upper

64 100

66 30.8 21.6 40.0



Abundance Ion 64.10 (63.80 to 64.80): VU041575.D (-163) (-)



#9

Trichlorofluoromethane

Concen: 5.000 ug/L

RT: 2.15 min Scan# 252

Delta R.T. 0.00 min

Lab File: VU041575.D

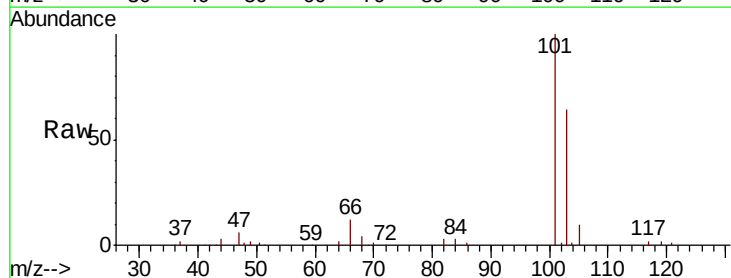
Acq: 12 Dec 2020 18:14

Tgt Ion:101 Resp: 96078

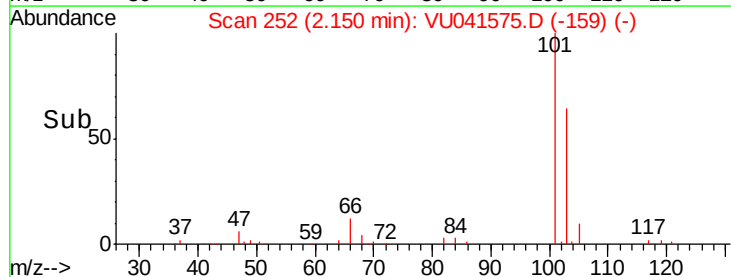
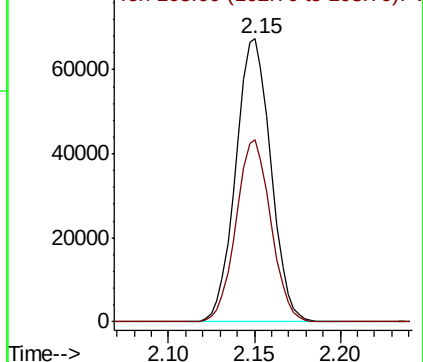
Ion Ratio Lower Upper

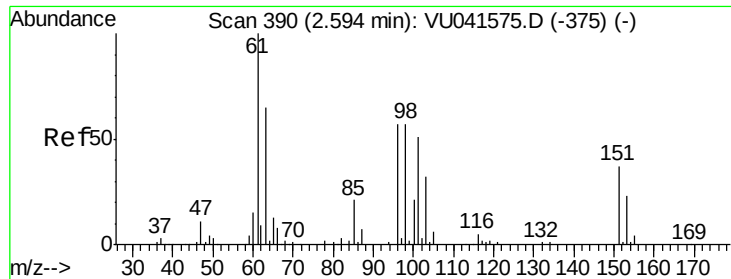
101 100

103 63.9 51.1 76.7



Abundance Ion 101.00 (100.70 to 101.70): VU041575.D (-240) (-)





#10

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

Concen: 5.000 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041575.D

Acq: 12 Dec 2020 18:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD00503

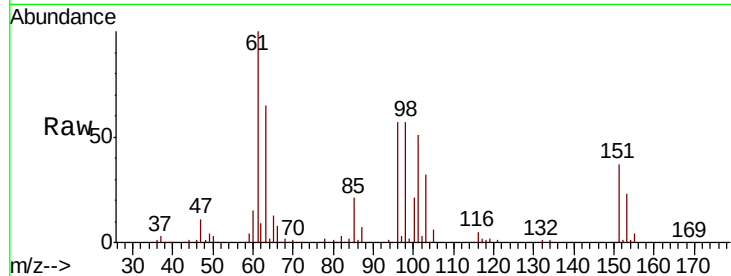
Tot Ion:101 Resp: 55728

Ion Ratio Lower Upper

101 100

85 42.0 33.6 50.4

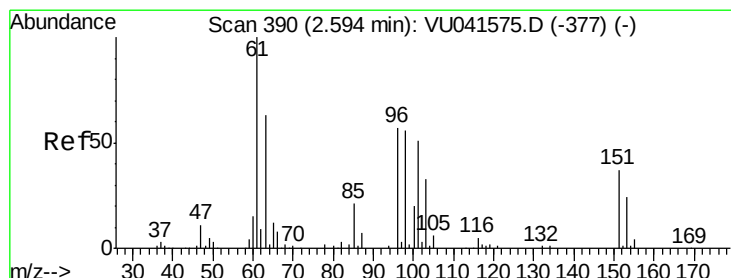
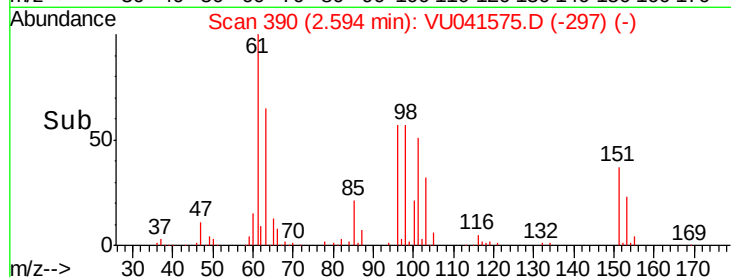
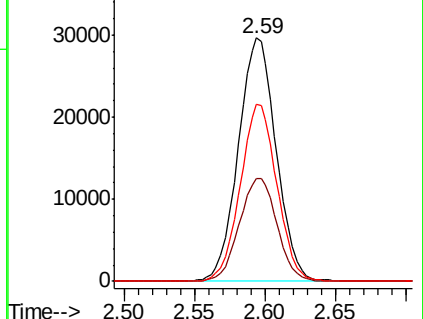
151 70.3 56.2 84.4



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: 5.000 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041575.D

Acq: 12 Dec 2020 18:14

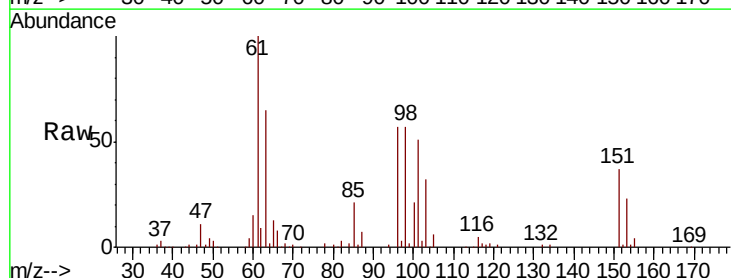
Tgt Ion: 96 Resp: 54651

Ion Ratio Lower Upper

96 100

61 176.9 123.8 230.0

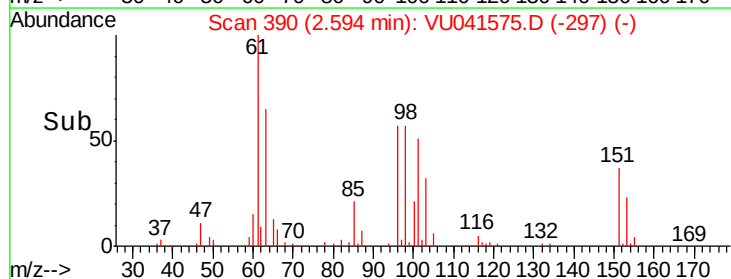
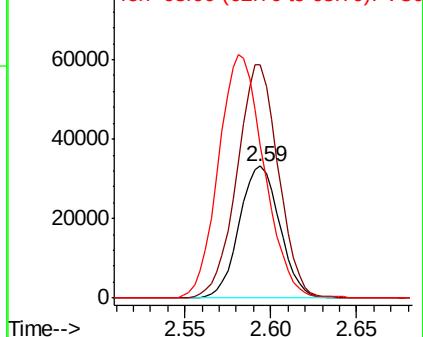
63 115.7 81.0 150.4

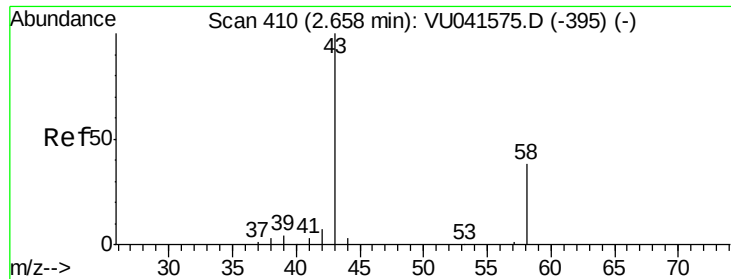


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 50.000 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU041575.D

Acq: 12 Dec 2020 18:14

Instrument :

MSVOA_U

ClientSampleId :

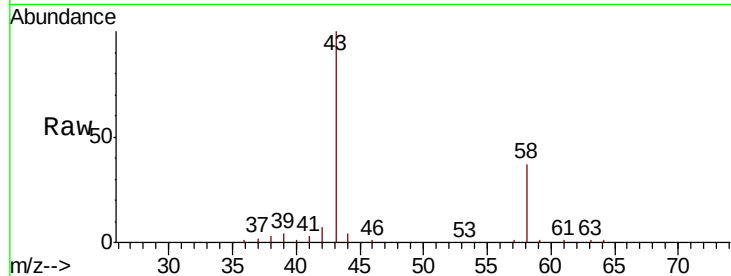
VSTD00503

Tot Ion: 43 Resp: 114677

Ion Ratio Lower Upper

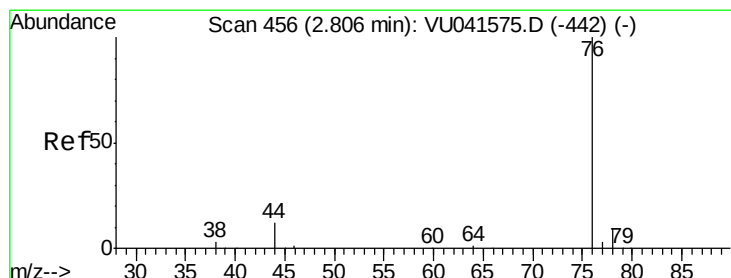
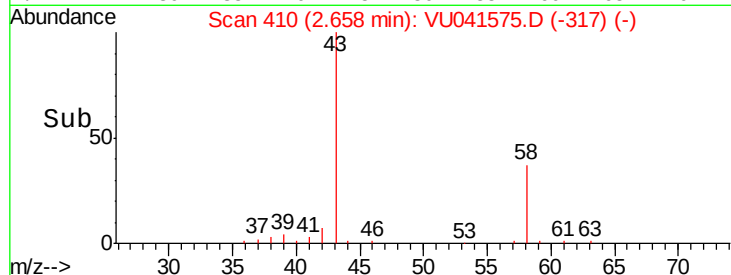
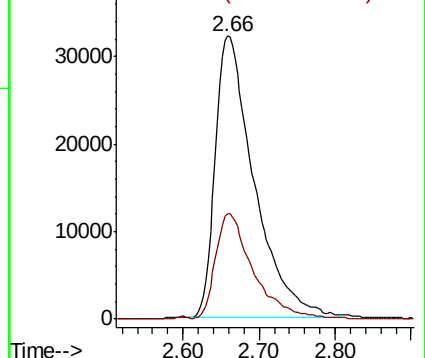
43 100

58 36.6 0.0 73.2



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#14

Carbon disulfide

Concen: 5.000 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU041575.D

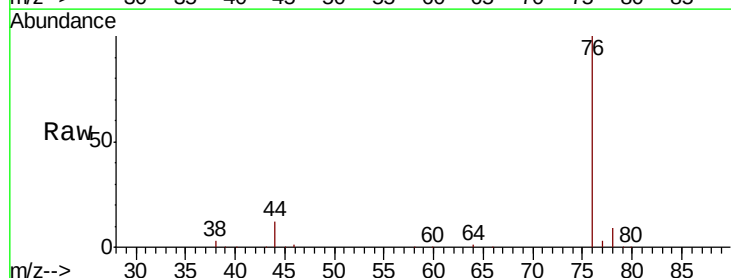
Acq: 12 Dec 2020 18:14

Tgt Ion: 76 Resp: 191012

Ion Ratio Lower Upper

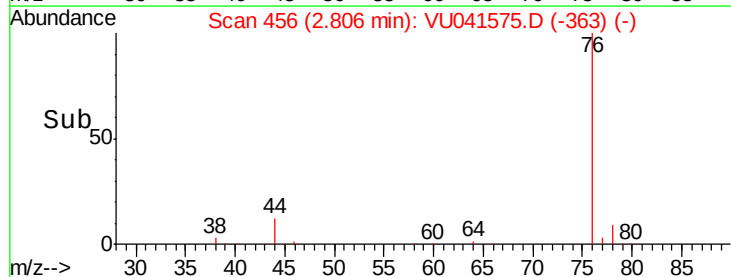
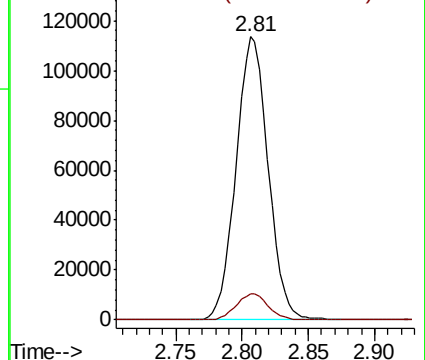
76 100

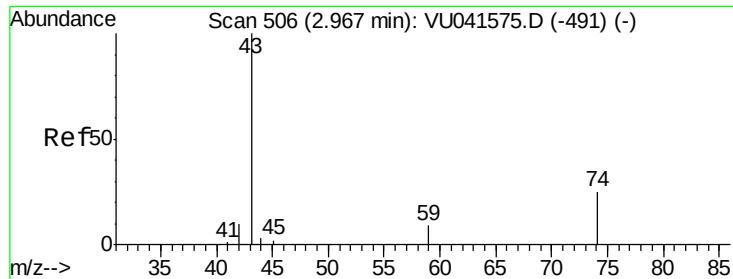
78 9.3 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

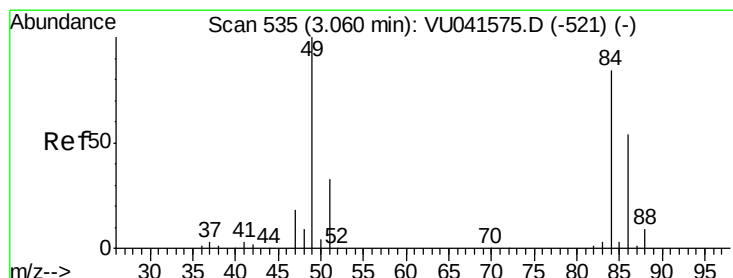
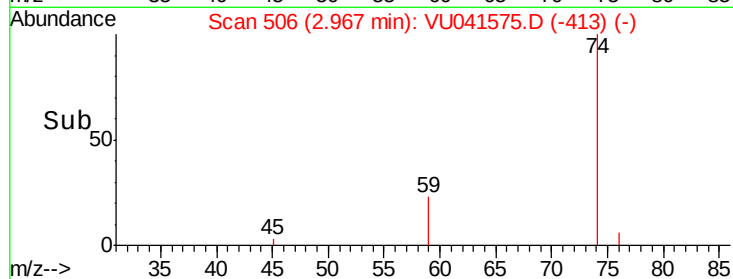
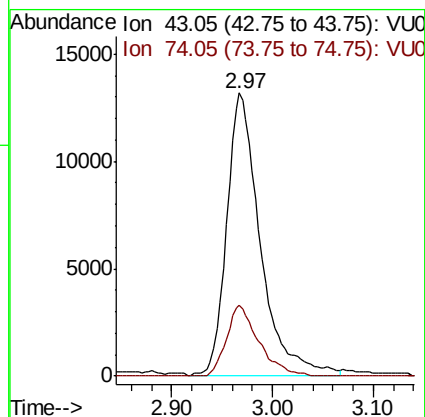
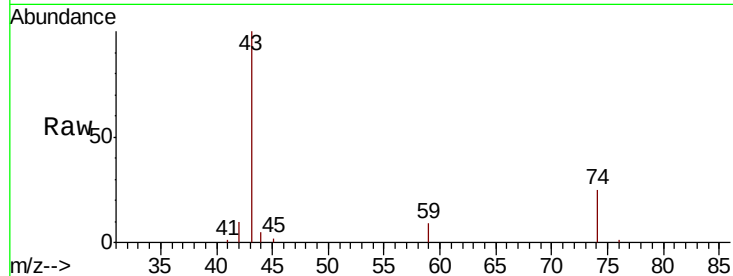




#15
Methyl Acetate
Concen: 5.000 ug/L
RT: 2.97 min Scan# 506
Delta R.T. 0.00 min
Lab File: VU041575.D
Acq: 12 Dec 2020 18:14

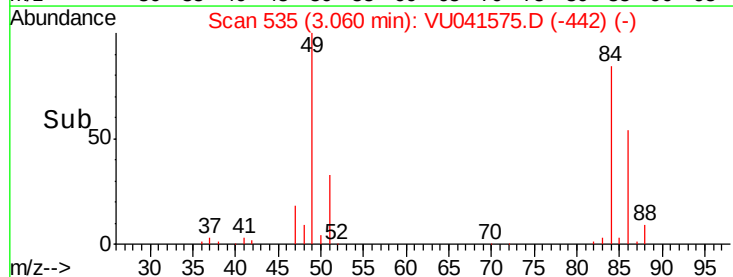
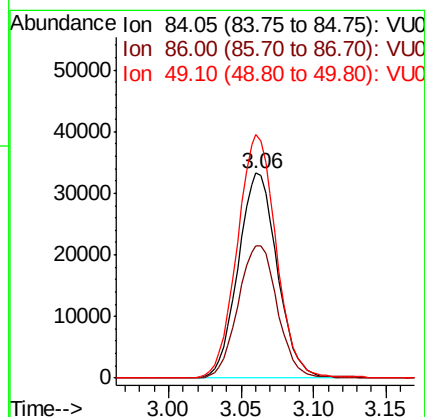
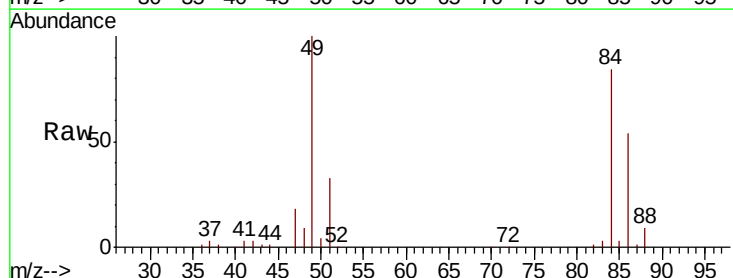
Instrument :
MSVOA_U
ClientSampled :
VSTD00503

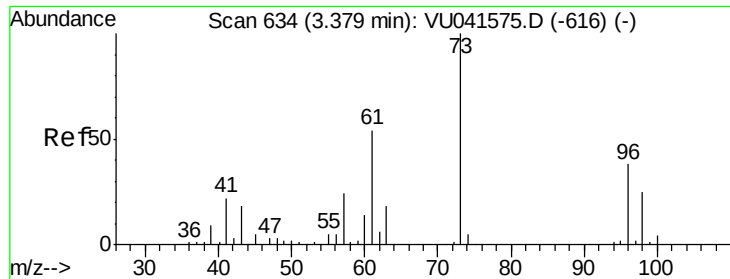
Tot Ion: 43 Resp: 30729
Ion Ratio Lower Upper
43 100
74 24.0 19.2 28.8



#16
Methylene chloride
Concen: 5.000 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU041575.D
Acq: 12 Dec 2020 18:14

Tgt Ion: 84 Resp: 62506
Ion Ratio Lower Upper
84 100
86 64.4 45.1 83.7
49 118.7 83.1 154.3

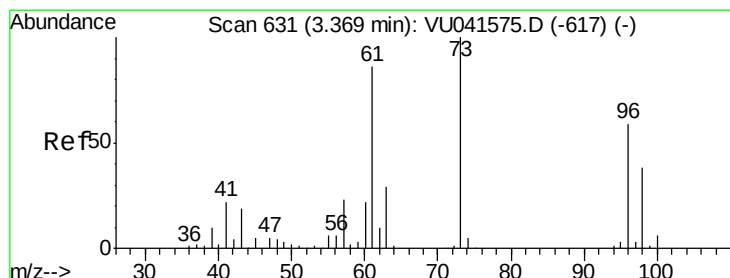
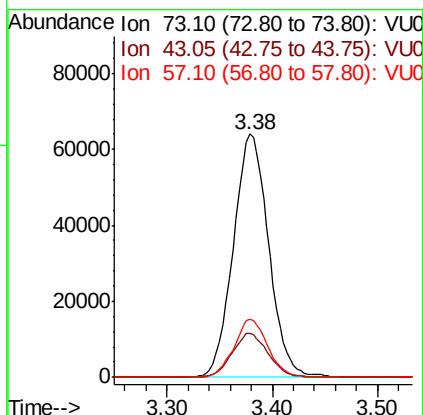
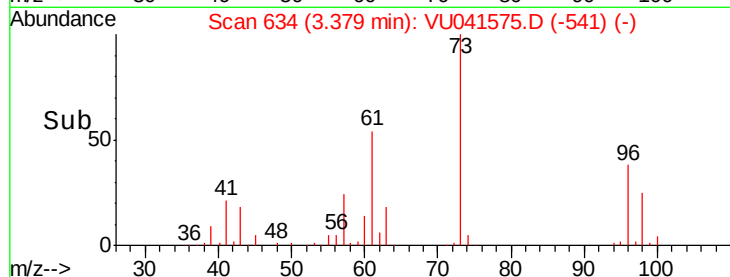
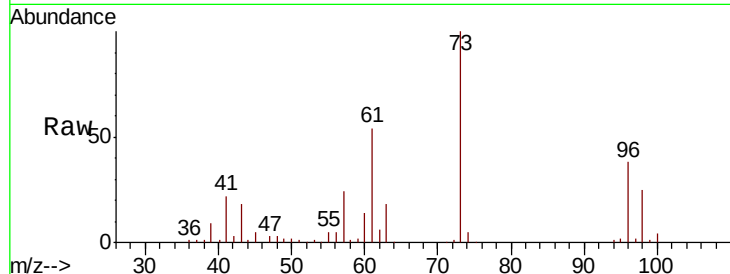




#17
Methyl tert-butyl Ether
Concen: 5.000 ug/L
RT: 3.38 min Scan# 634
Delta R.T. 0.00 min
Lab File: VU041575.D
Acq: 12 Dec 2020 18:14

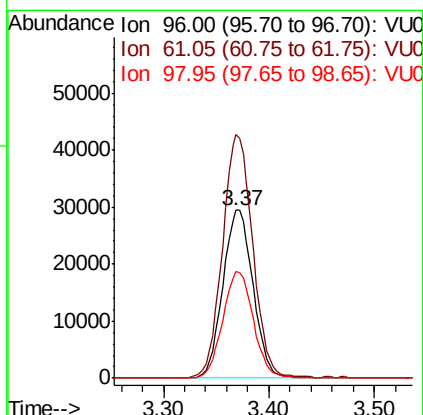
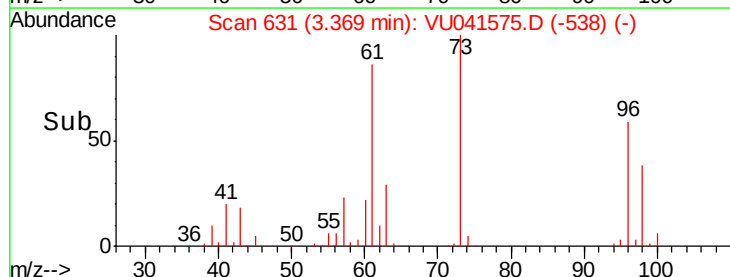
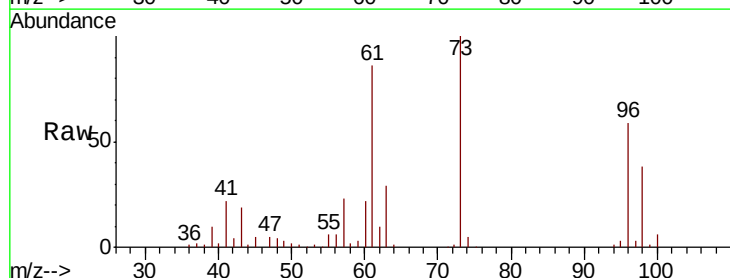
Instrument :
MSVOA_U
ClientSampleId :
VSTD00503

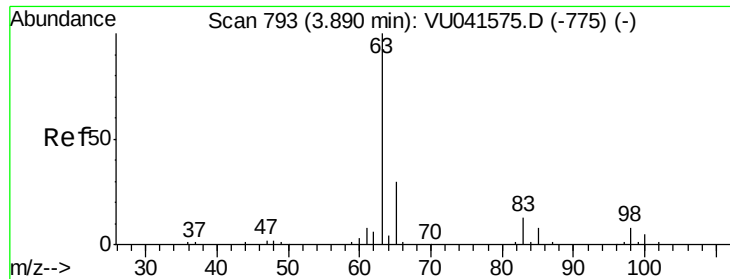
Tot Ion: 73 Resp: 148876
Ion Ratio Lower Upper
73 100
43 18.4 14.7 22.1
57 22.8 18.2 27.4



#18
trans-1,2-Dichloroethene
Concen: 5.000 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU041575.D
Acq: 12 Dec 2020 18:14

Tgt Ion: 96 Resp: 58305
Ion Ratio Lower Upper
96 100
61 145.4 101.8 189.0
98 63.5 44.4 82.5

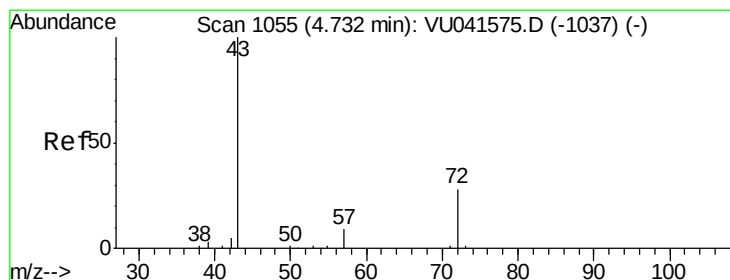
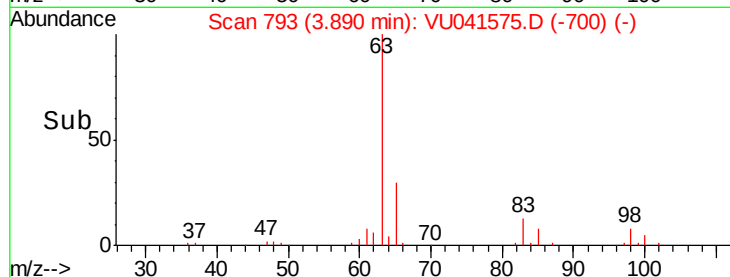
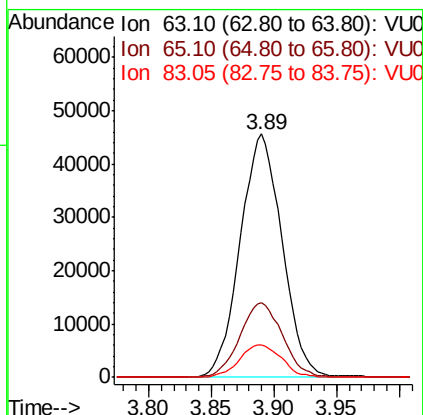
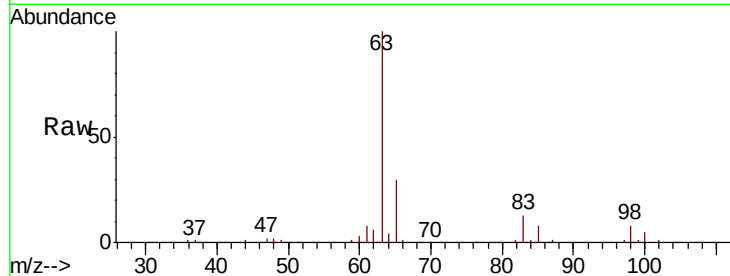




#19
 1,1-Dichloroethane
 Concen: 5.000 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU041575.D
 Acq: 12 Dec 2020 18:14

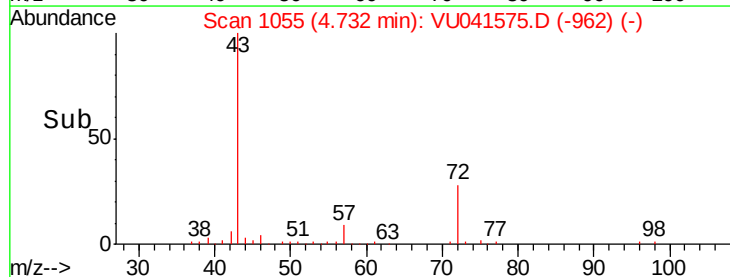
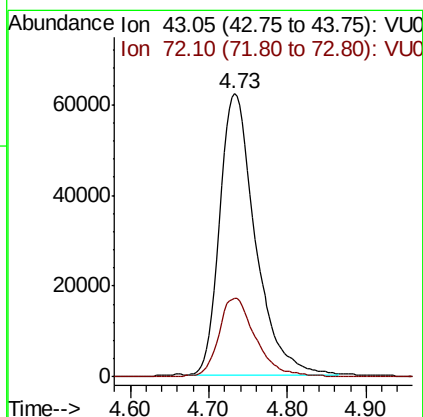
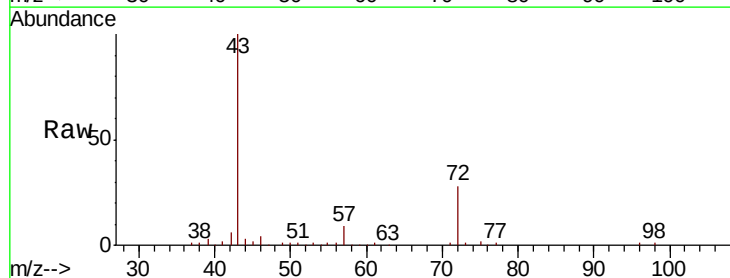
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00503

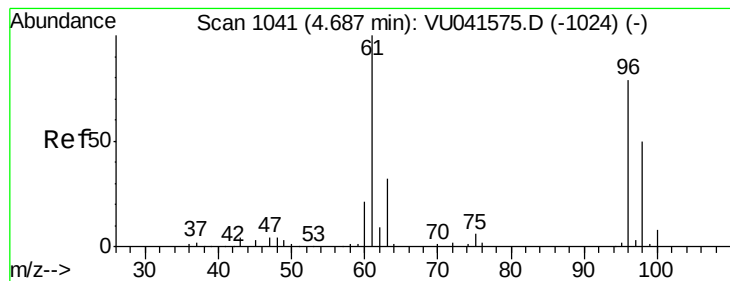
Tot Ion: 63 Resp: 105996
 Ion Ratio Lower Upper
 63 100
 65 30.5 21.3 39.6
 83 13.3 9.3 17.3



#21
 2-Butanone
 Concen: 50.000 ug/L
 RT: 4.73 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VU041575.D
 Acq: 12 Dec 2020 18:14

Tgt Ion: 43 Resp: 193939
 Ion Ratio Lower Upper
 43 100
 72 29.3 14.6 44.0





#22

cis-1,2-Dichloroethene

Concen: 5.000 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU041575.D

Acq: 12 Dec 2020 18:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD00503

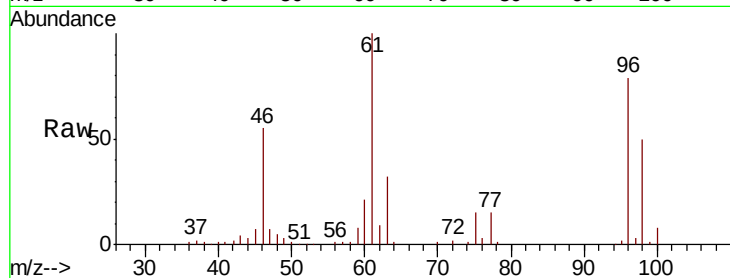
Tot Ion: 96 Resp: 63088

Ion Ratio Lower Upper

96 100

61 126.9 88.8 165.0

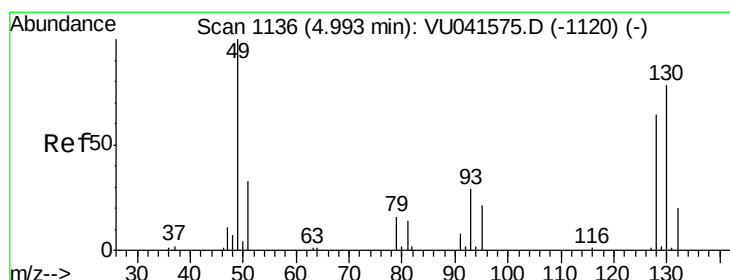
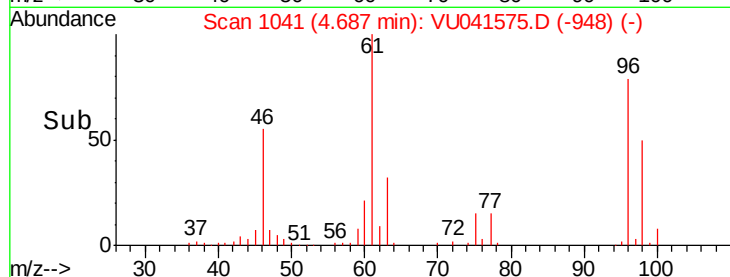
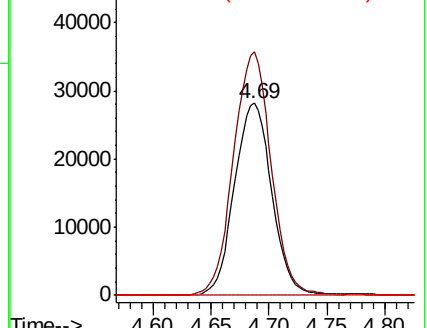
68 0.0 0.0 0.0



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: 5.000 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU041575.D

Acq: 12 Dec 2020 18:14

Tgt Ion:128 Resp: 29450

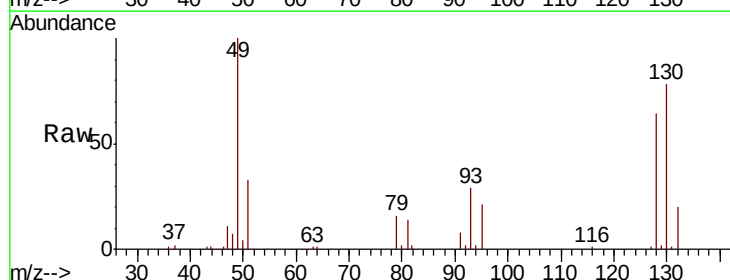
Ion Ratio Lower Upper

128 100

49 156.2 109.3 203.1

130 121.2 84.8 157.6

51 50.8 40.6 61.0

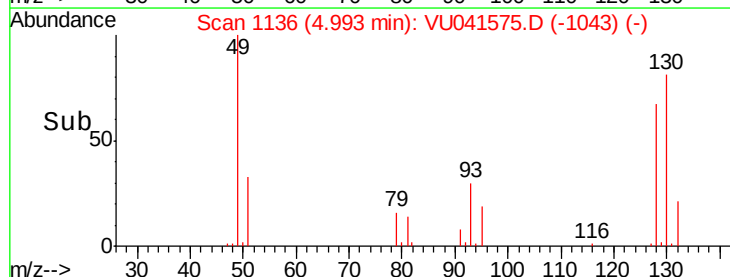
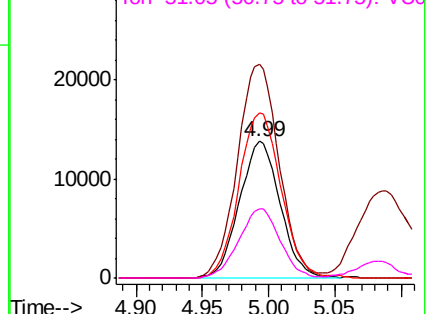


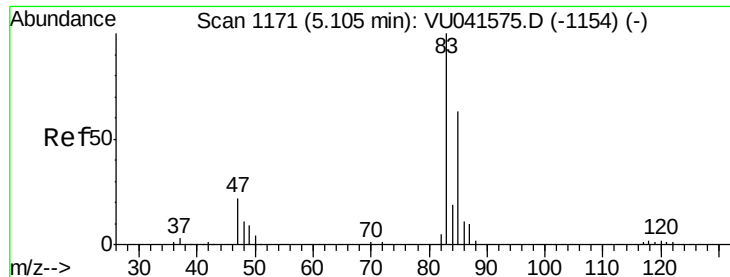
Abundance Ion 127.90 (127.60 to 128.60): V

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

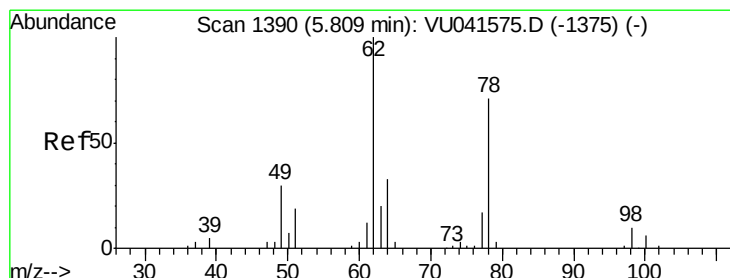
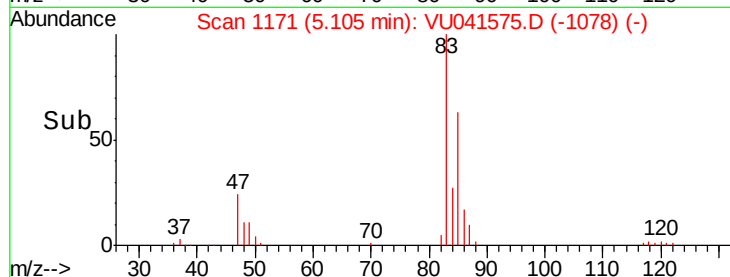
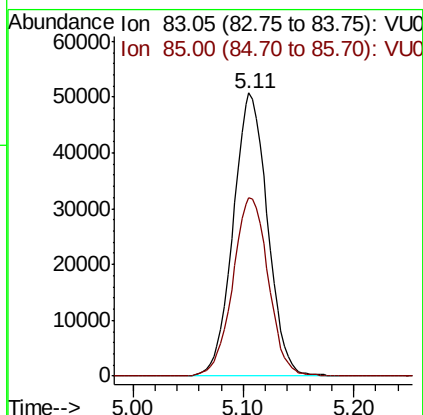
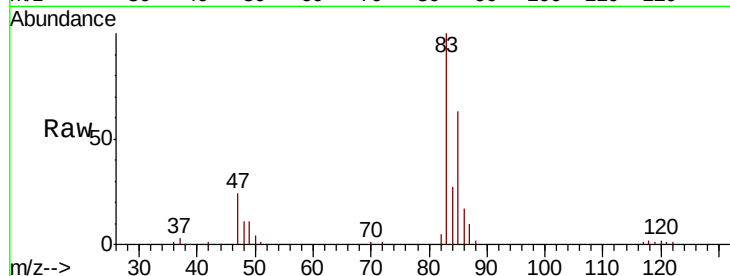




#25
Chloroform
Concen: 5.000 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU041575.D
Acq: 12 Dec 2020 18:14

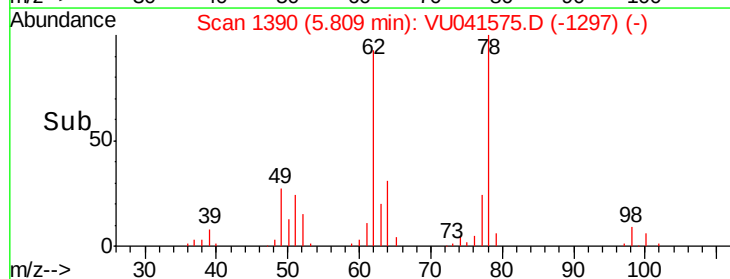
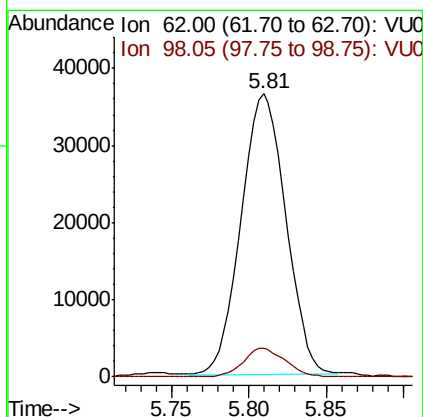
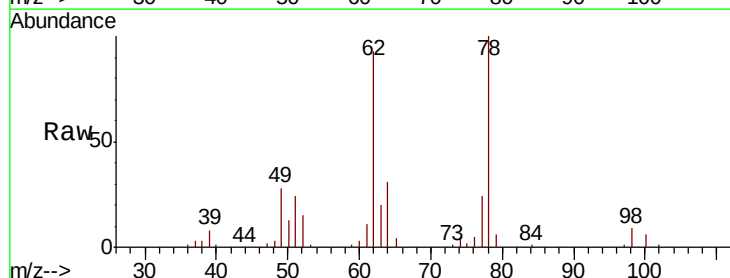
Instrument :
MSVOA_U
ClientSampleId :
VSTD00503

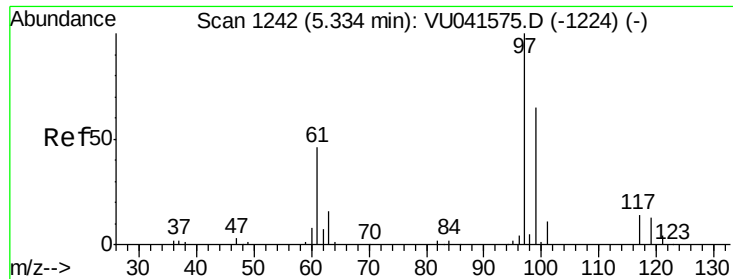
Tot Ion: 83 Resp: 109298
Ion Ratio Lower Upper
83 100
85 63.1 44.2 82.0



#27
1,2-Dichloroethane
Concen: 5.000 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU041575.D
Acq: 12 Dec 2020 18:14

Tgt Ion: 62 Resp: 73483
Ion Ratio Lower Upper
62 100
98 10.2 8.2 12.2

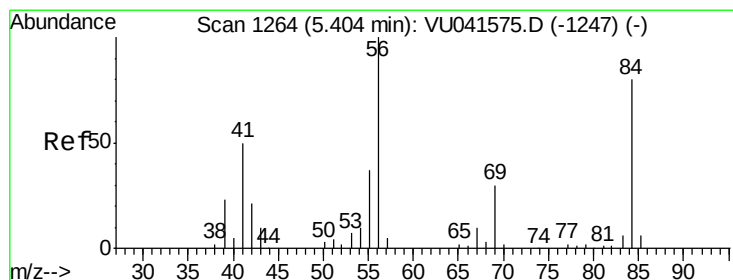
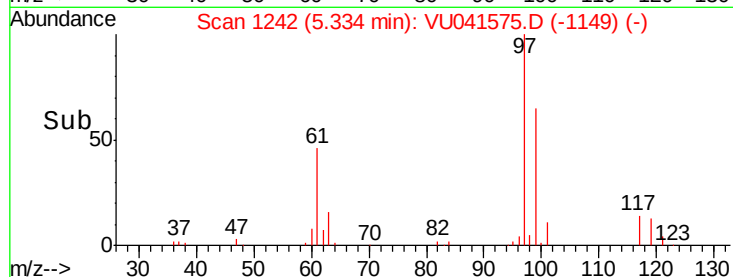
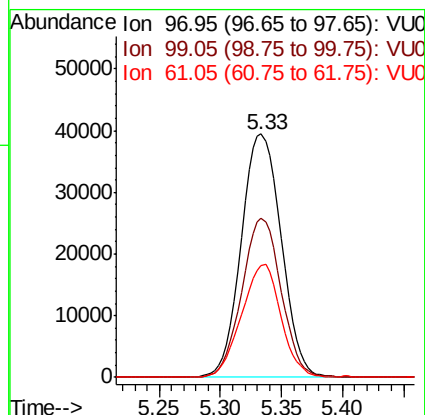
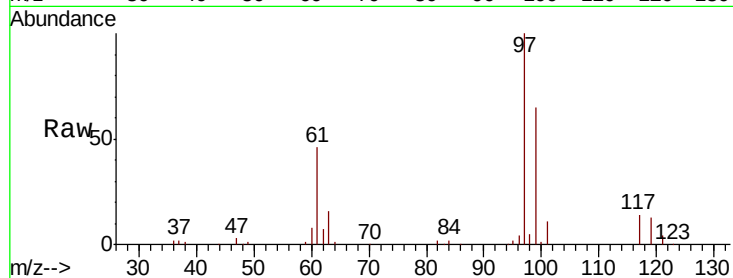




#29
1,1,1-Trichloroethane
Concen: 5.000 ug/L
RT: 5.33 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VU041575.D
Acq: 12 Dec 2020 18:14

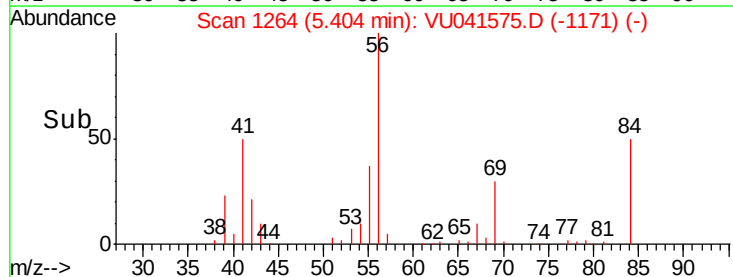
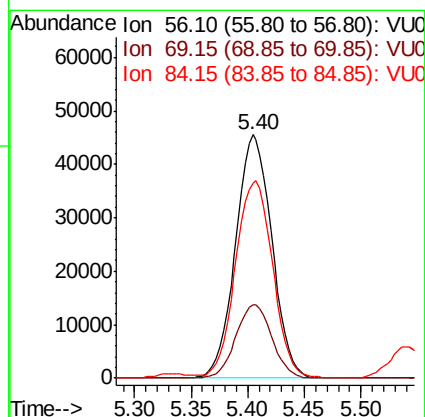
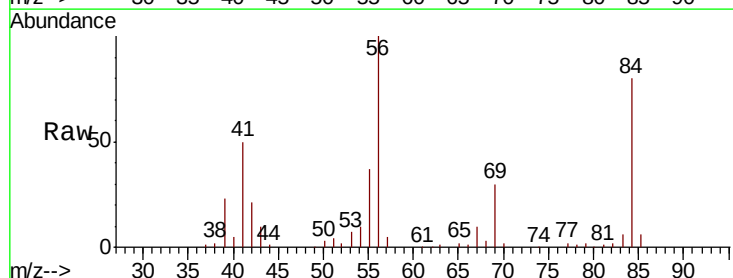
Instrument :
MSVOA_U
ClientSampled :
VSTD00503

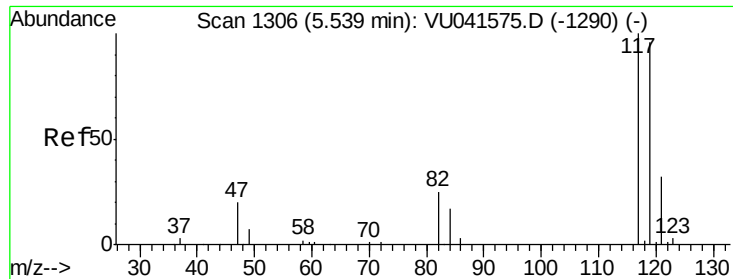
Tot Ion: 97 Resp: 89607
Ion Ratio Lower Upper
97 100
99 64.1 51.3 76.9
61 45.6 36.5 54.7



#30
Cyclohexane
Concen: 5.000 ug/L
RT: 5.40 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VU041575.D
Acq: 12 Dec 2020 18:14

Tgt Ion: 56 Resp: 101619
Ion Ratio Lower Upper
56 100
69 29.8 23.8 35.8
84 82.8 66.2 99.4

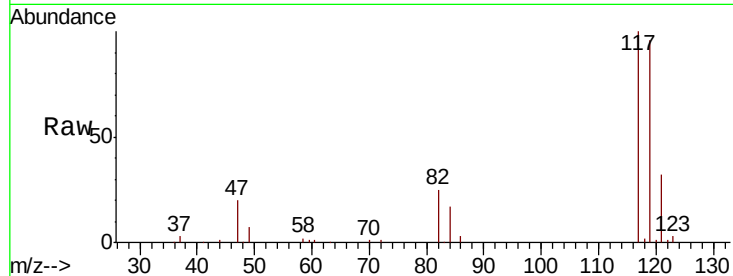




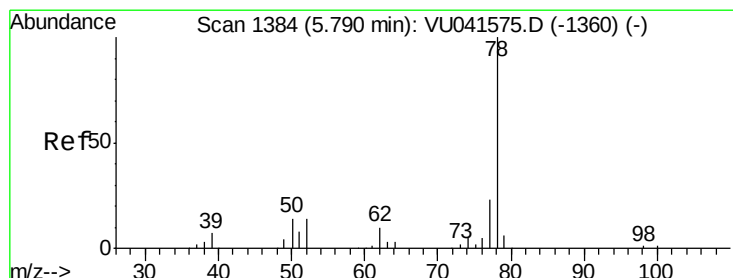
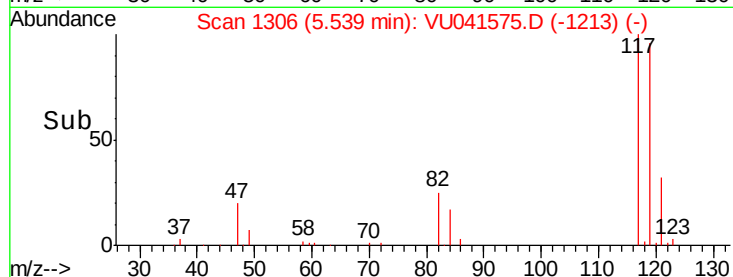
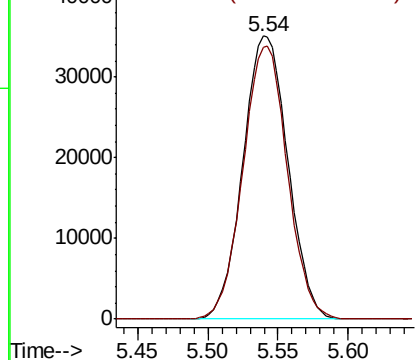
#31
Carbon tetrachloride
Concen: 5.000 ug/L
RT: 5.54 min Scan# 1306
Delta R.T. 0.00 min
Lab File: VU041575.D
Acq: 12 Dec 2020 18:14

Instrument :
MSVOA_U
ClientSampleId :
VSTD00503

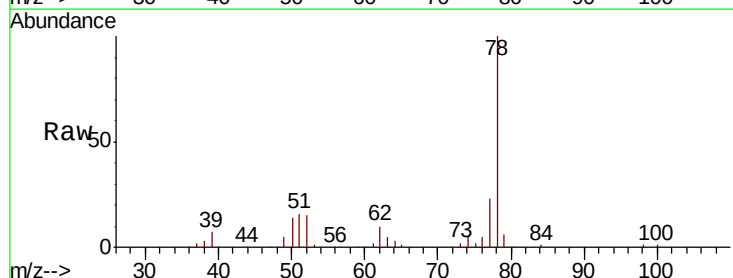
Tot Ion:117 Resp: 78282
Ion Ratio Lower Upper
117 100
119 95.2 76.2 114.2



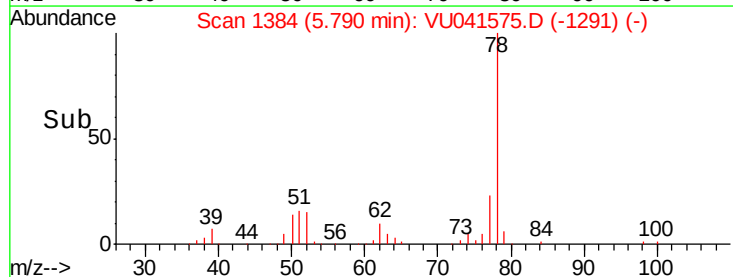
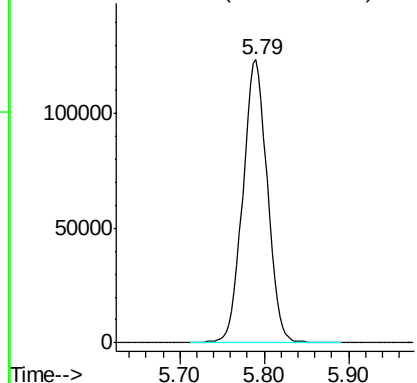
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V

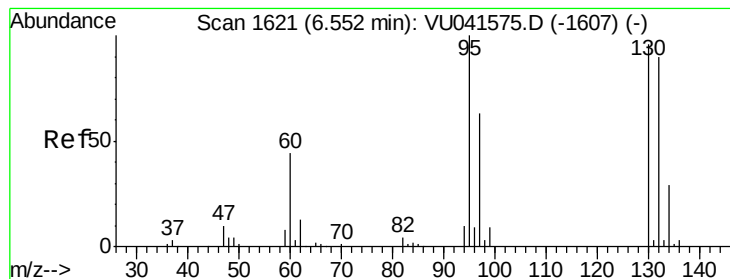


#33
Benzene
Concen: 5.000 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU041575.D
Acq: 12 Dec 2020 18:14
Tgt Ion: 78 Resp: 251157



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.000 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VU041575.D

Acq: 12 Dec 2020 18:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD00503

Tot Ion: 95 Resp: 63271

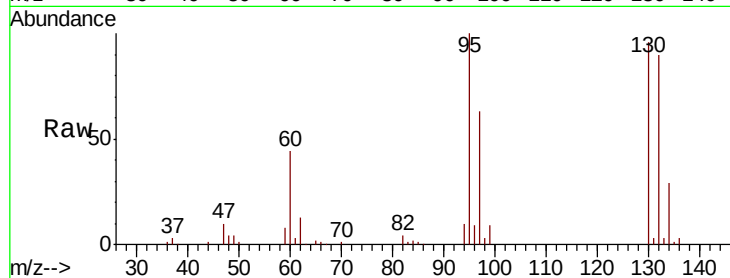
Ion Ratio Lower Upper

95 100

97 62.7 43.9 81.5

132 90.2 63.1 117.3

130 96.3 67.4 125.2

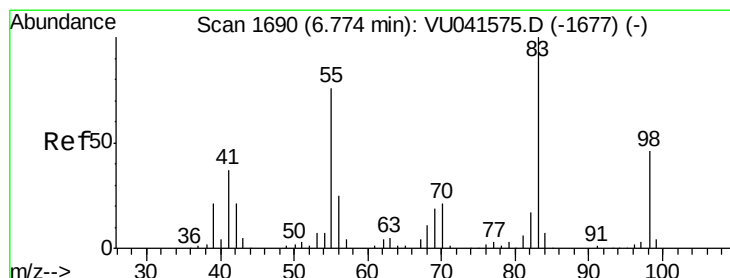
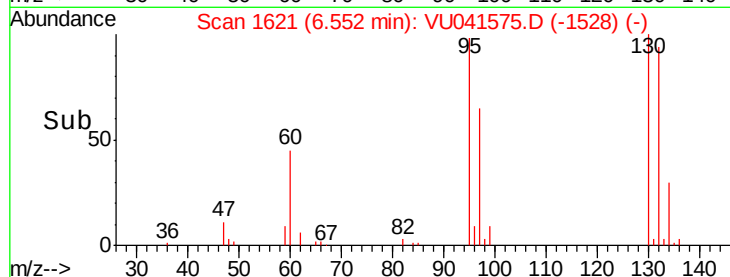
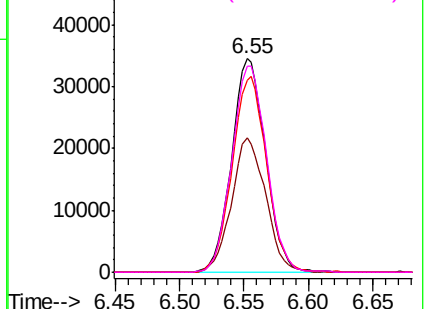


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 5.000 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VU041575.D

Acq: 12 Dec 2020 18:14

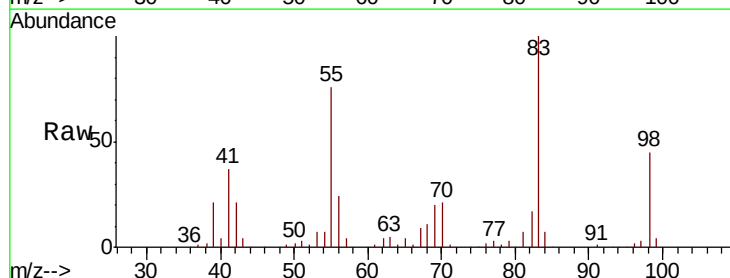
Tgt Ion: 83 Resp: 101509

Ion Ratio Lower Upper

83 100

55 76.5 61.2 91.8

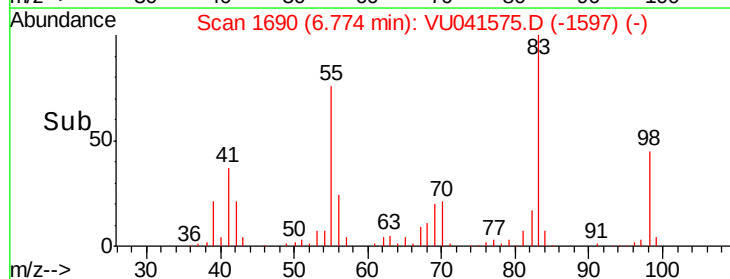
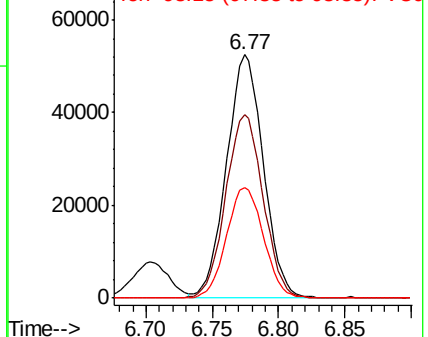
98 45.7 36.6 54.8

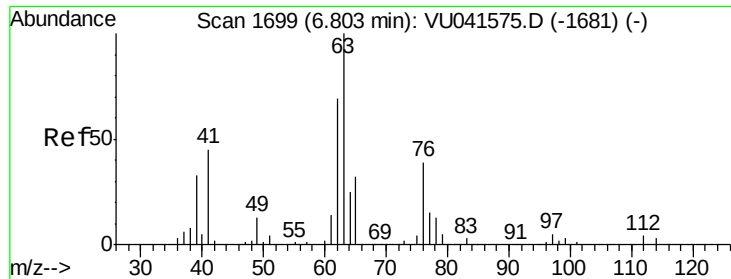


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

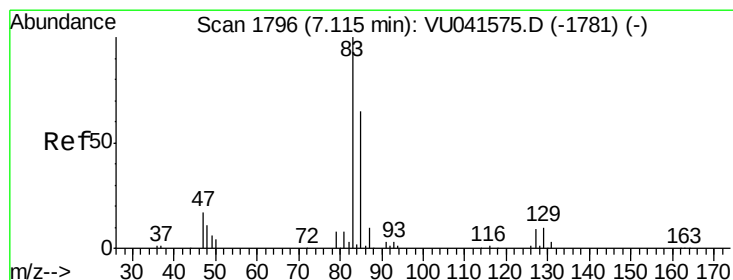
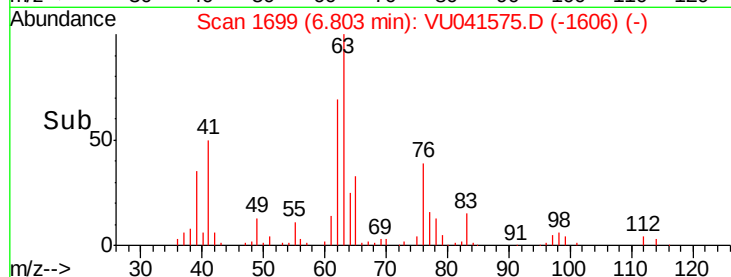
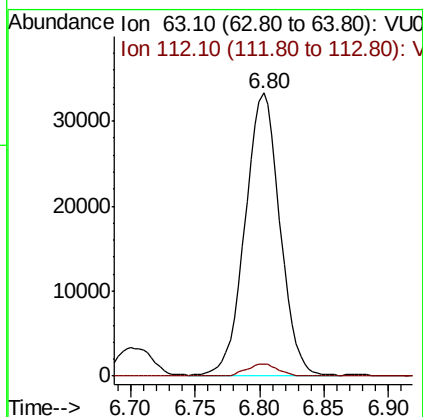
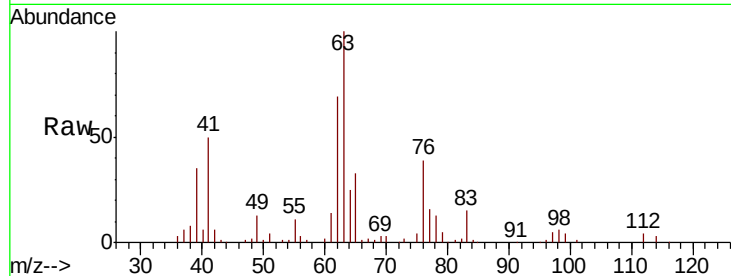




#37
 1,2-Dichloropropane
 Concen: 5.000 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU041575.D
 Acq: 12 Dec 2020 18:14

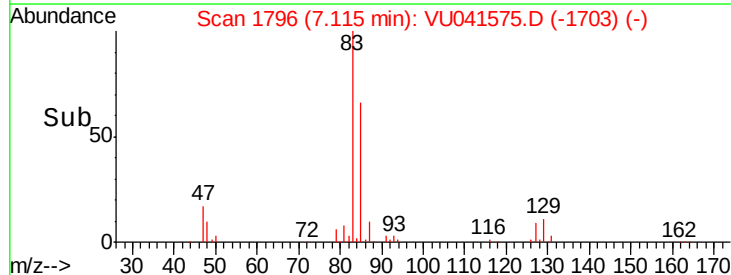
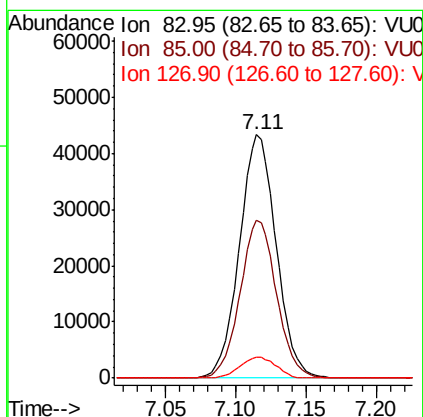
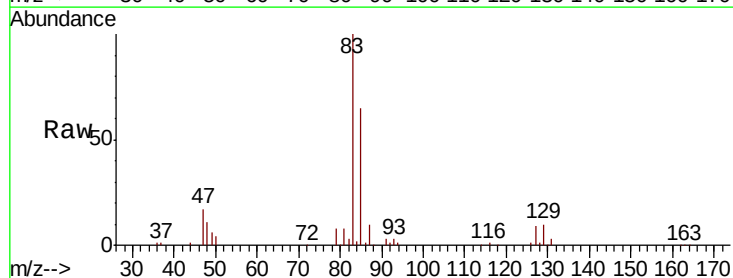
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00503

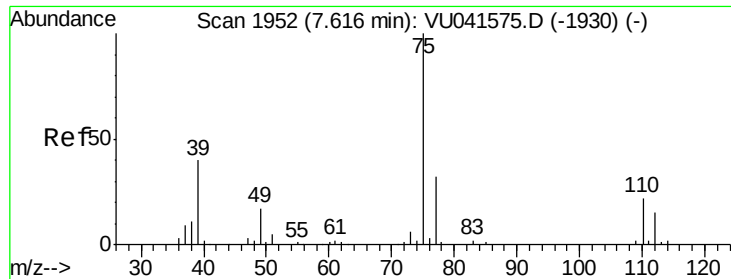
Tot Ion: 63 Resp: 62324
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.1 4.7



#38
 Bromodichloromethane
 Concen: 5.000 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VU041575.D
 Acq: 12 Dec 2020 18:14

Tgt Ion: 83 Resp: 79154
 Ion Ratio Lower Upper
 83 100
 85 65.0 45.5 84.5
 127 8.8 7.0 10.6

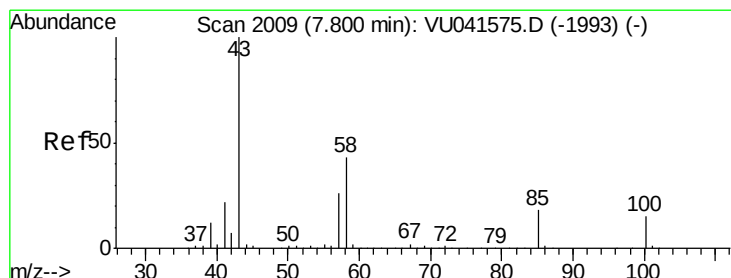
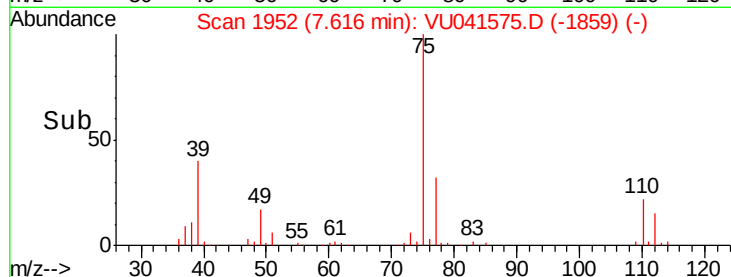
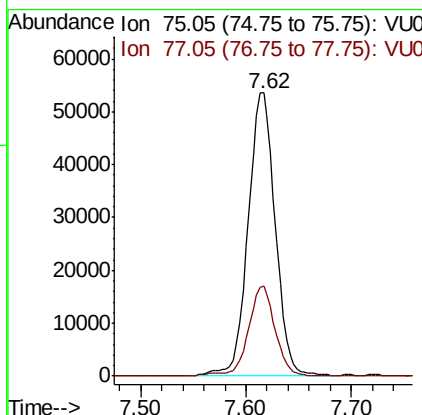
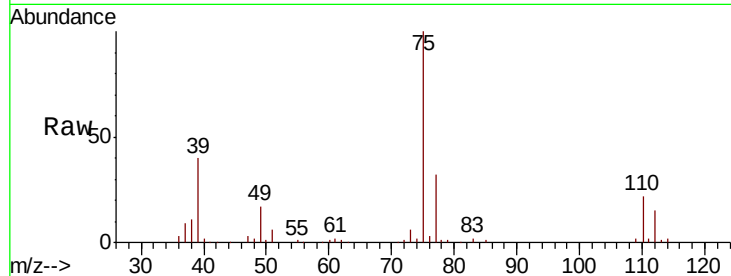




#39
 cis-1,3-Dichloropropene
 Concen: 5.000 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU041575.D
 Acq: 12 Dec 2020 18:14

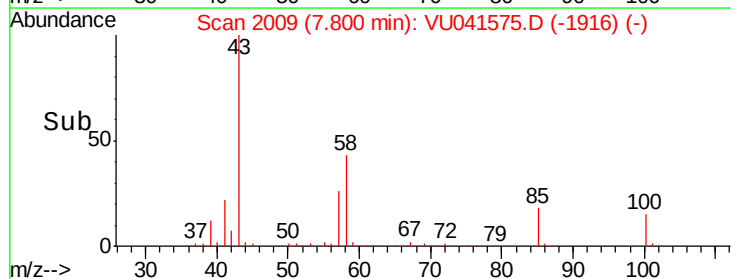
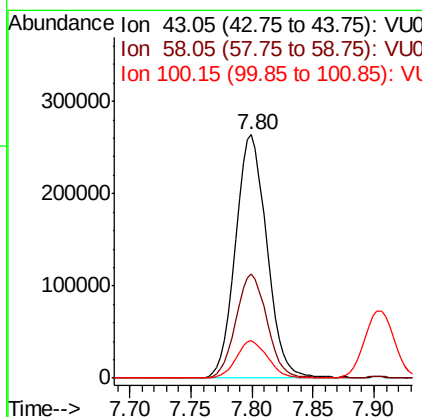
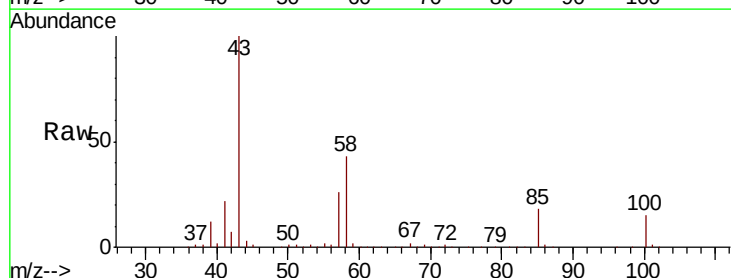
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00503

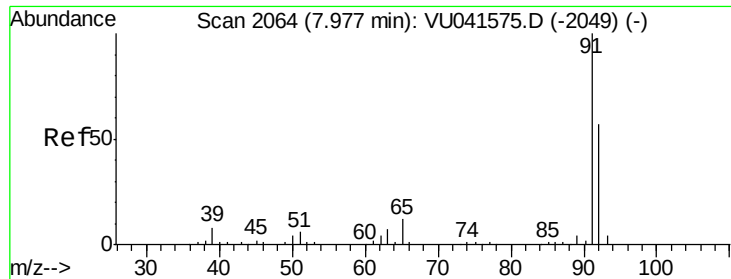
Tot Ion: 75 Resp: 96477
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 50.000 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU041575.D
 Acq: 12 Dec 2020 18:14

Tgt Ion: 43 Resp: 469265
 Ion Ratio Lower Upper
 43 100
 58 42.7 34.2 51.2
 100 15.4 12.3 18.5





#42

Toluene

Concen: 5.000 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU041575.D

Acq: 12 Dec 2020 18:14

Instrument :

MSVOA_U

ClientSampleId :

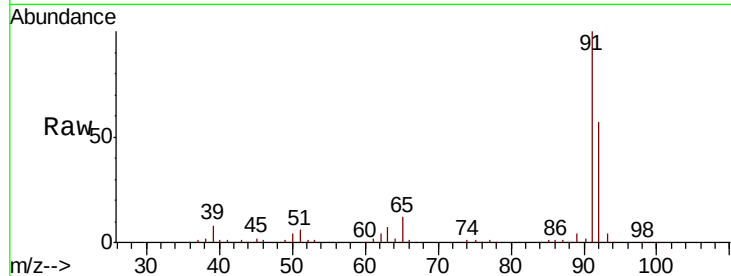
VSTD00503

Tot Ion: 91 Resp: 265041

Ion Ratio Lower Upper

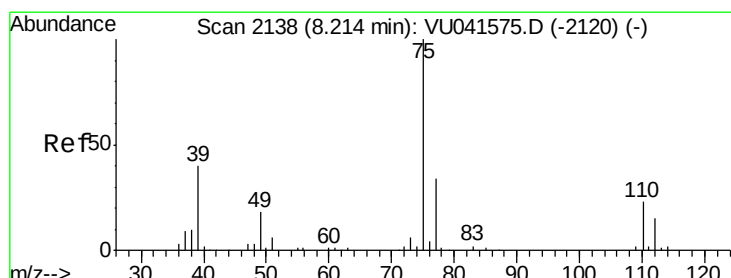
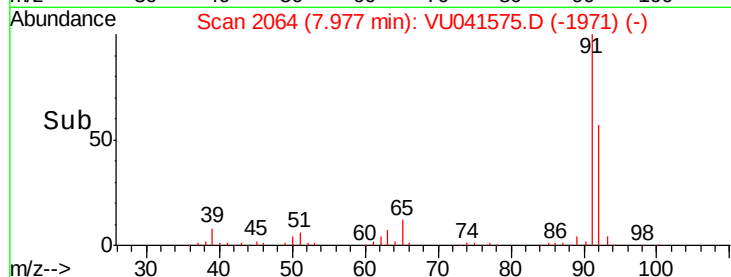
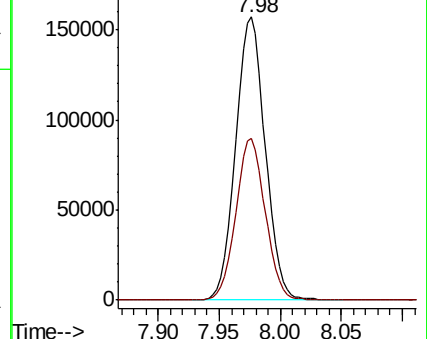
91 100

92 57.1 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 5.000 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU041575.D

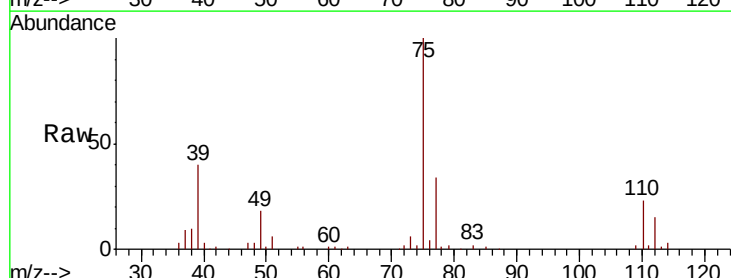
Acq: 12 Dec 2020 18:14

Tgt Ion: 75 Resp: 86534

Ion Ratio Lower Upper

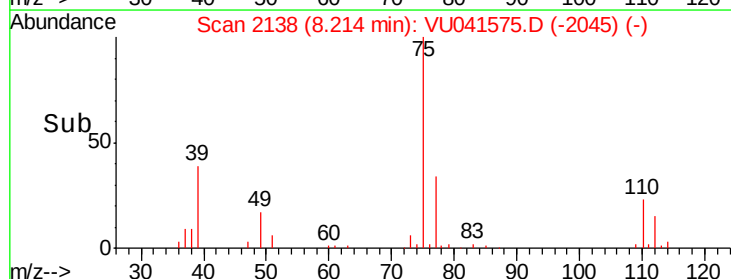
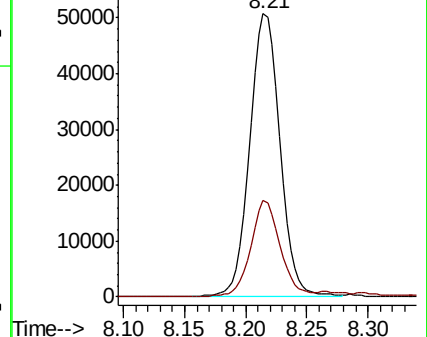
75 100

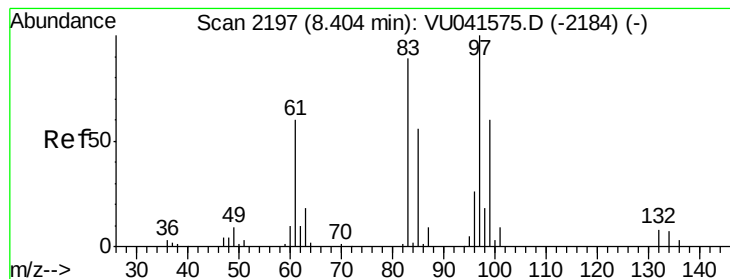
77 34.0 23.8 44.2



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0





#45

1,1,2-Trichloroethane

Concen: 5.000 ug/L

RT: 8.40 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VU041575.D

Acq: 12 Dec 2020 18:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD00503

Tot Ion: 97 Resp: 49828

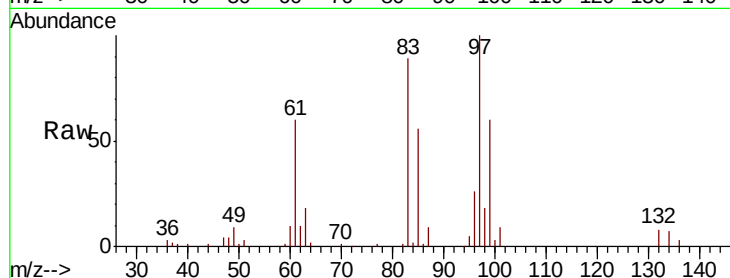
Ion Ratio Lower Upper

97 100

99 60.2 42.1 78.3

83 89.4 62.6 116.2

85 55.9 39.1 72.7

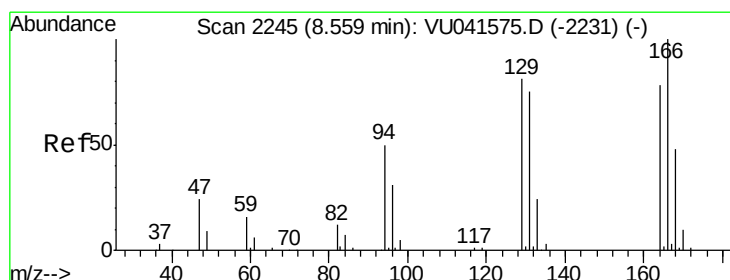
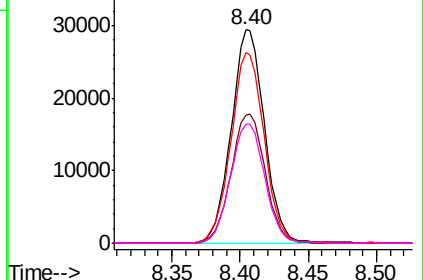
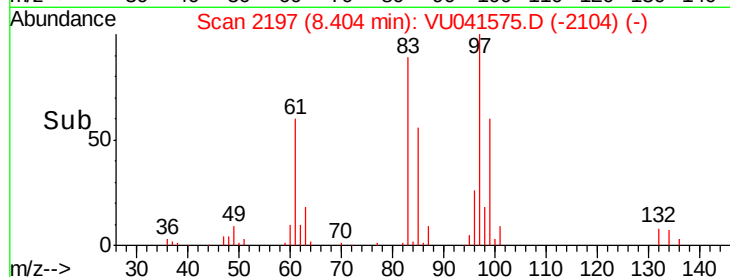


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 5.000 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU041575.D

Acq: 12 Dec 2020 18:14

Tgt Ion: 164 Resp: 44262

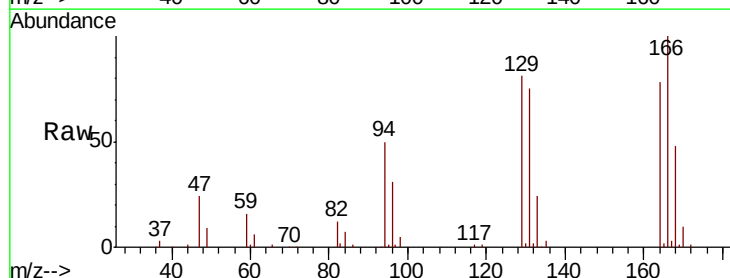
Ion Ratio Lower Upper

164 100

129 103.1 72.2 134.0

131 95.6 66.9 124.3

166 128.0 89.6 166.4

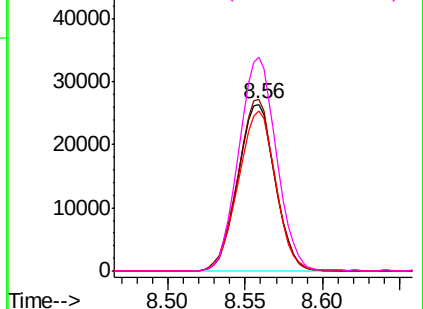
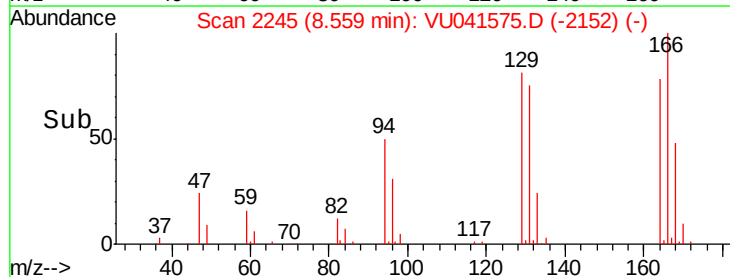


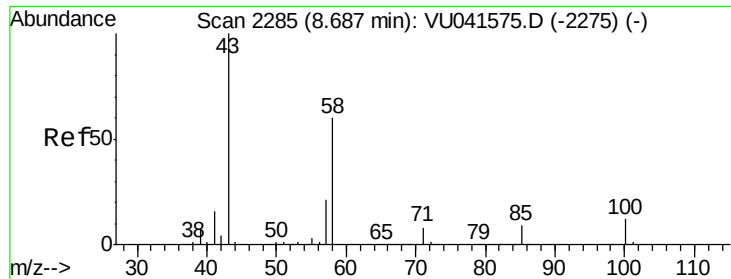
Abundance Ion 163.90 (163.60 to 164.60): V

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

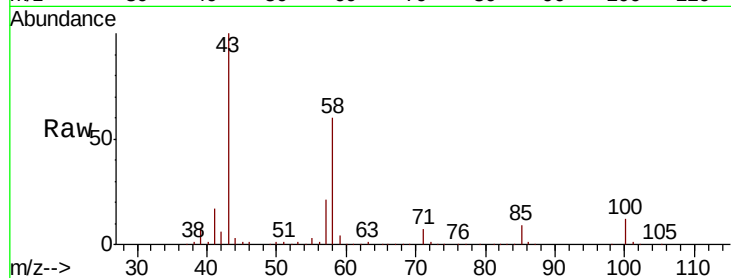




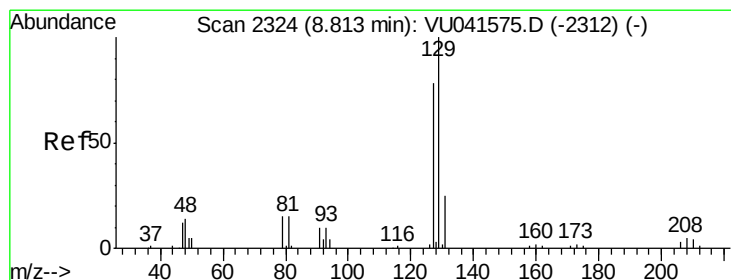
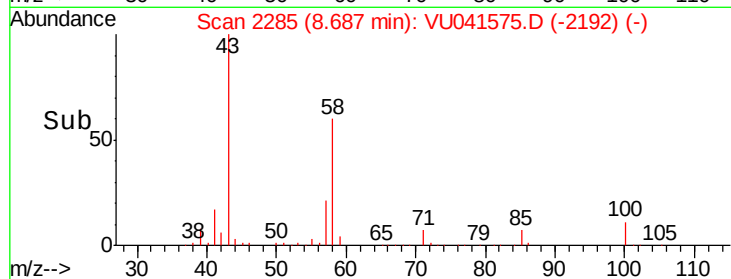
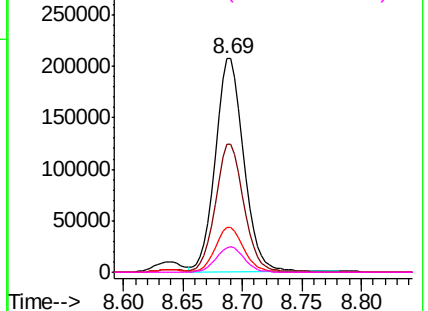
#48
2-Hexanone
Concen: 50.000 ug/L
RT: 8.69 min Scan# 2285
Delta R.T. 0.00 min
Lab File: VU041575.D
Acq: 12 Dec 2020 18:14

Instrument :
MSVOA_U
ClientSampleId :
VSTD00503

Tot Ion: 43 Resp: 343873
Ion Ratio Lower Upper
43 100
58 59.9 47.9 71.9
57 20.6 16.5 24.7
100 11.8 9.4 14.2

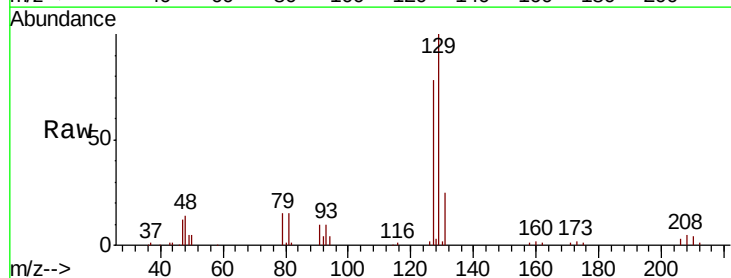


Abundance Ion 43.05 (42.75 to 43.75): VU041575.D (-2275) (-)
Ion 58.05 (57.75 to 58.75): VU041575.D (-2275) (-)
Ion 57.20 (56.90 to 57.90): VU041575.D (-2275) (-)
Ion 100.15 (99.85 to 100.85): VU041575.D (-2275) (-)

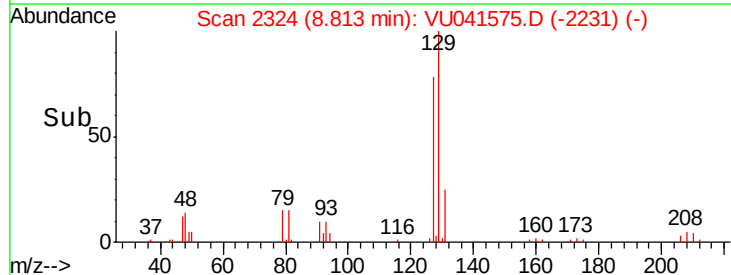
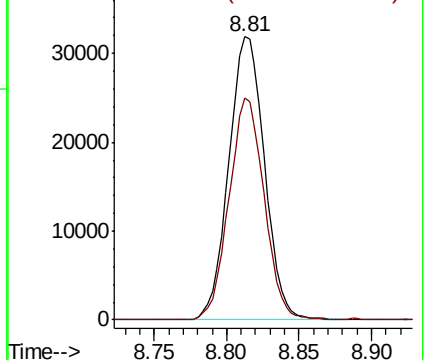


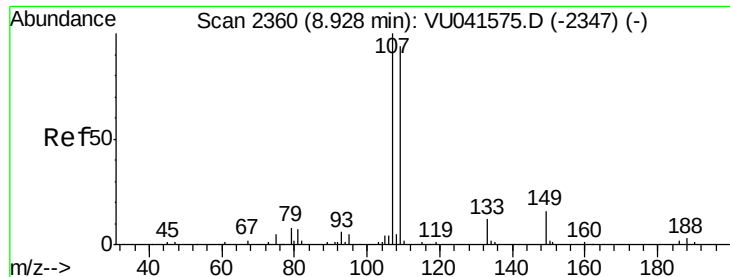
#49
Dibromochloromethane
Concen: 5.000 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. 0.00 min
Lab File: VU041575.D
Acq: 12 Dec 2020 18:14

Tgt Ion: 129 Resp: 54594
Ion Ratio Lower Upper
129 100
127 78.2 54.7 101.7



Abundance Ion 128.95 (128.65 to 129.65): VU041575.D (-2312) (-)
Ion 126.90 (126.60 to 127.60): VU041575.D (-2312) (-)

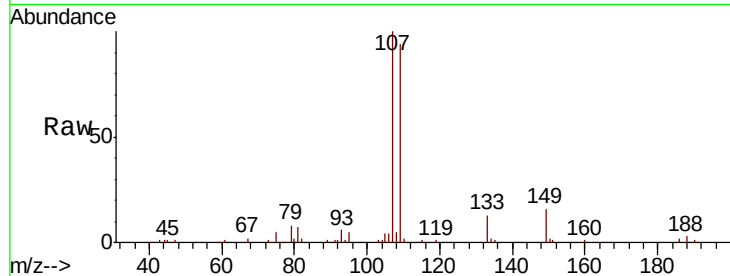




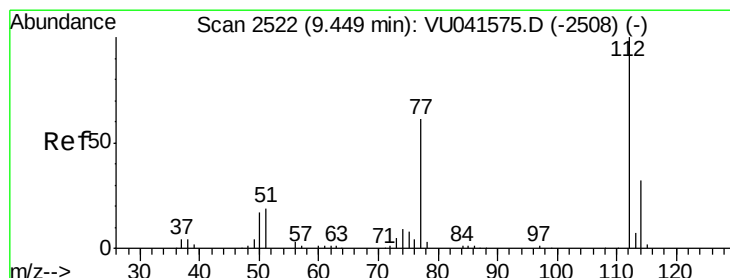
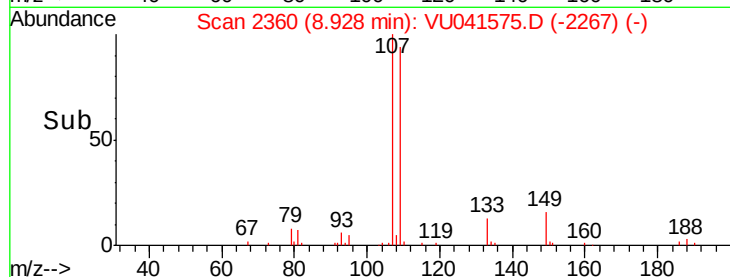
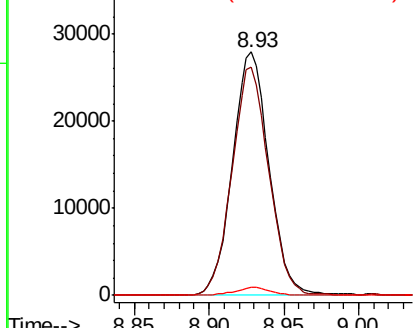
#50
1,2-Dibromoethane
Concen: 5.000 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. 0.00 min
Lab File: VU041575.D
Acq: 12 Dec 2020 18:14

Instrument :
MSVOA_U
ClientSampleId :
VSTD00503

Tot Ion:107 Resp: 47377
Ion Ratio Lower Upper
107 100
109 93.7 65.6 121.8
188 3.3 2.6 4.0

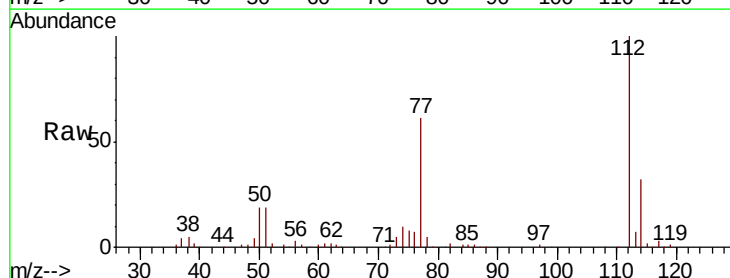


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

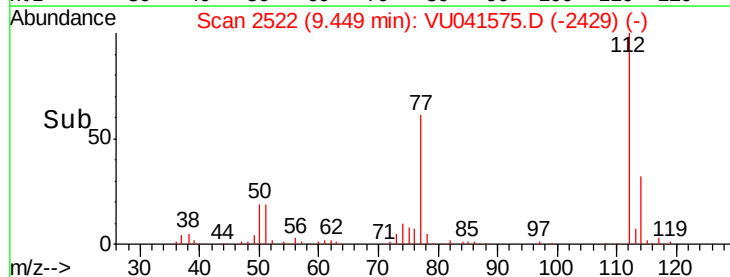
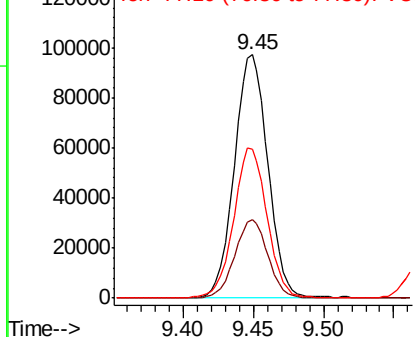


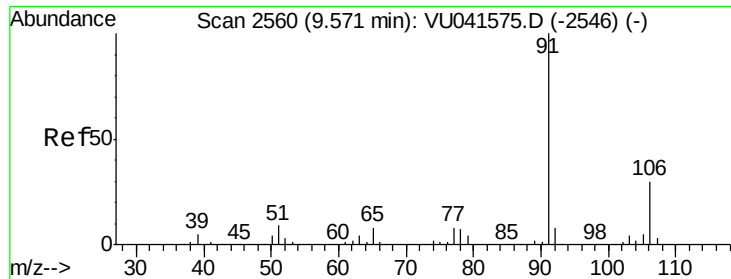
#51
Chlorobenzene
Concen: 5.000 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU041575.D
Acq: 12 Dec 2020 18:14

Tgt Ion:112 Resp: 161950
Ion Ratio Lower Upper
112 100
114 32.5 22.7 42.3
77 61.4 49.1 73.7



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: 5.000 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU041575.D

Acq: 12 Dec 2020 18:14

Instrument :

MSVOA_U

ClientSampleId :

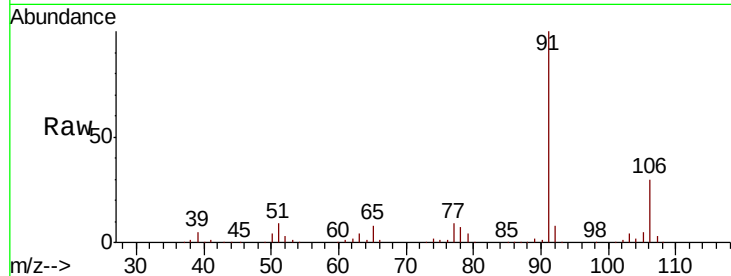
VSTD00503

Tot Ion: 91 Resp: 284407

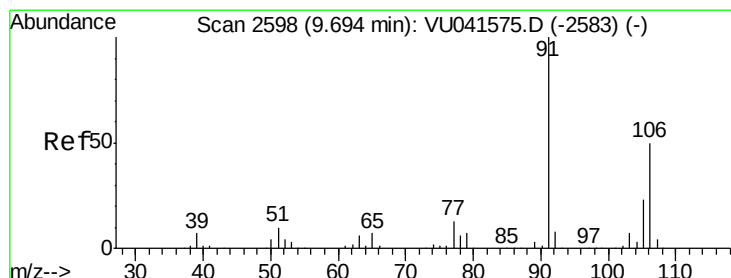
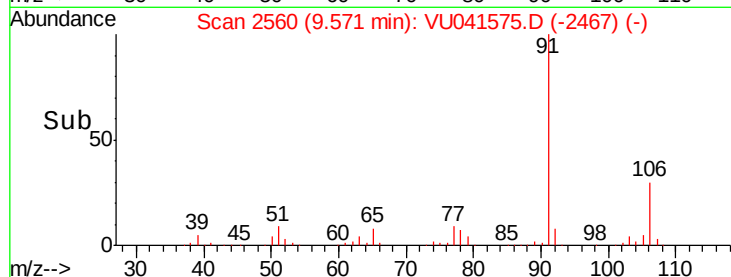
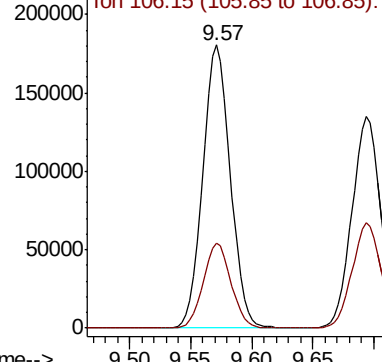
Ion Ratio Lower Upper

91 100

106 30.2 21.1 39.3



Abundance Ion 91.15 (90.85 to 91.85): VU041575.D (-2546) (-)



#53

m,p-Xylene

Concen: 5.000 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU041575.D

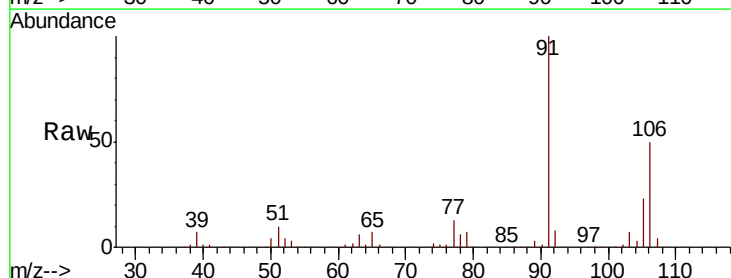
Acq: 12 Dec 2020 18:14

Tgt Ion: 106 Resp: 110763

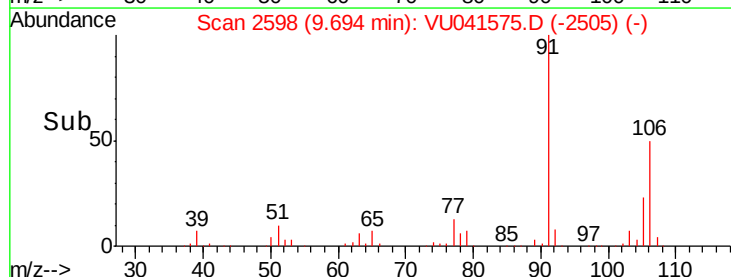
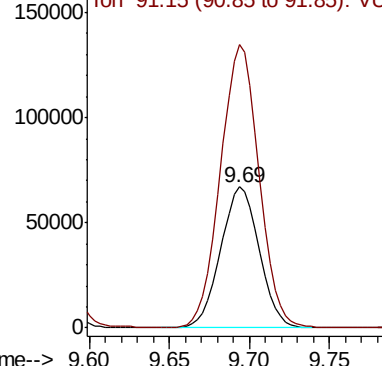
Ion Ratio Lower Upper

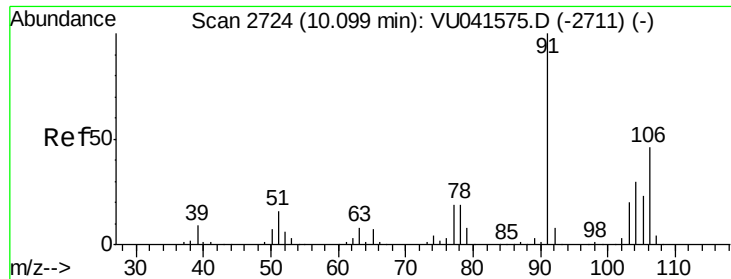
106 100

91 200.6 140.4 260.8



Abundance Ion 106.15 (105.85 to 106.85): VU041575.D (-2598) (-)

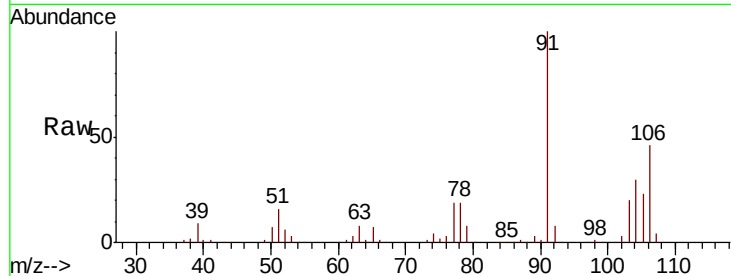




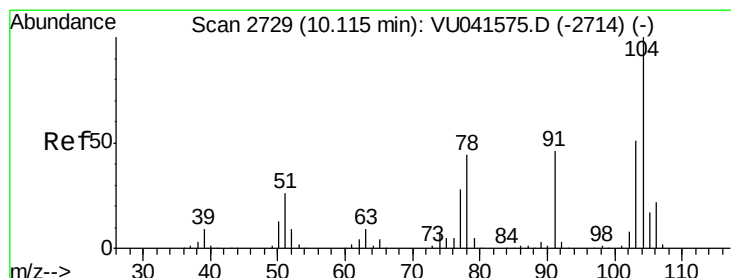
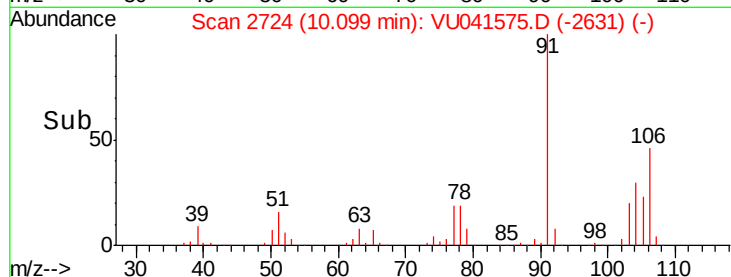
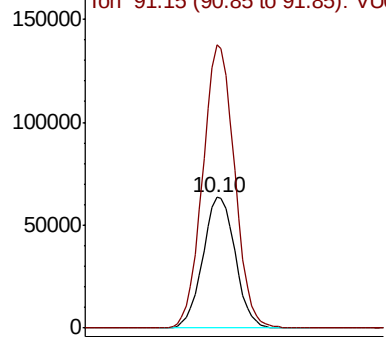
#54
o-Xylene
Concen: 5.000 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. 0.00 min
Lab File: VU041575.D
Acq: 12 Dec 2020 18:14

Instrument :
MSVOA_U
ClientSampleId :
VSTD00503

Tot Ion:106 Resp: 104767
Ion Ratio Lower Upper
106 100
91 216.2 151.3 281.1

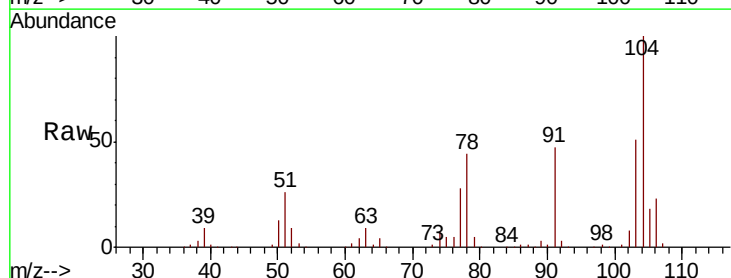


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

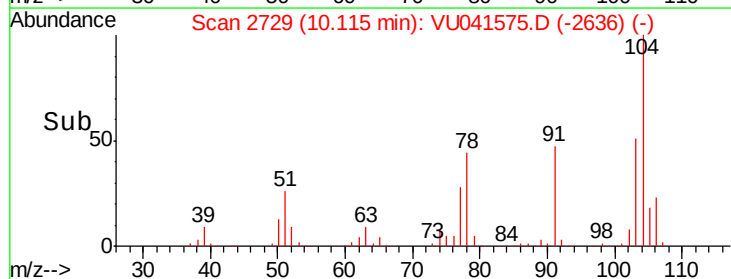
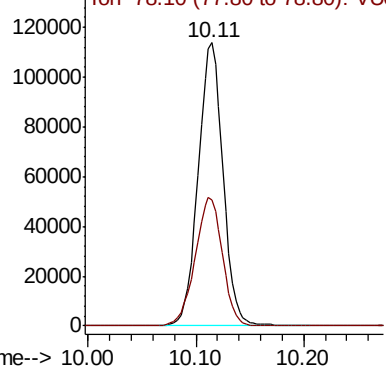


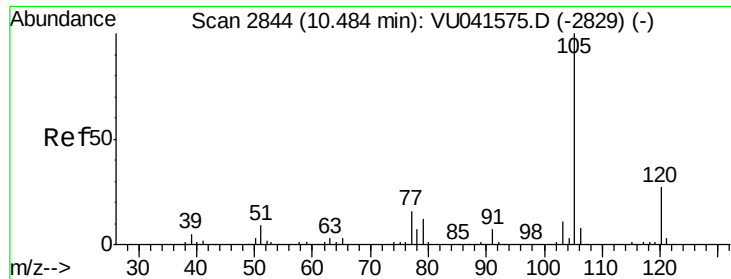
#55
Styrene
Concen: 5.000 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU041575.D
Acq: 12 Dec 2020 18:14

Tgt Ion:104 Resp: 182544
Ion Ratio Lower Upper
104 100
78 44.5 31.1 57.9



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





#56

Isopropylbenzene

Concen: 5.000 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU041575.D

Acq: 12 Dec 2020 18:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD00503

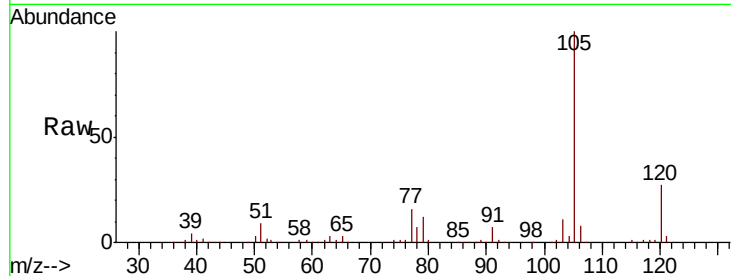
Tot Ion:105 Resp: 274032

Ion Ratio Lower Upper

105 100

120 25.6 20.5 30.7

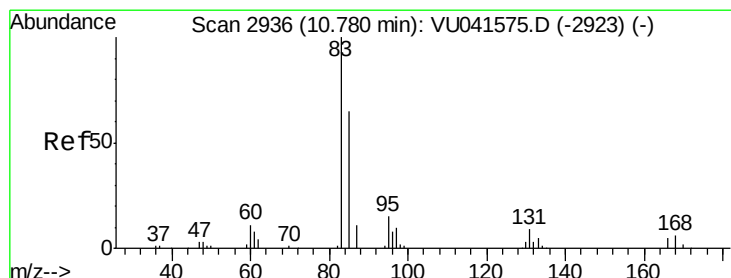
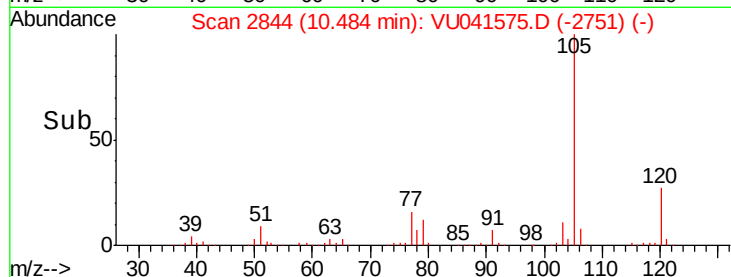
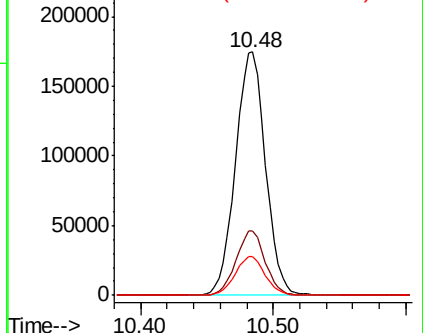
77 15.9 12.7 19.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.000 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU041575.D

Acq: 12 Dec 2020 18:14

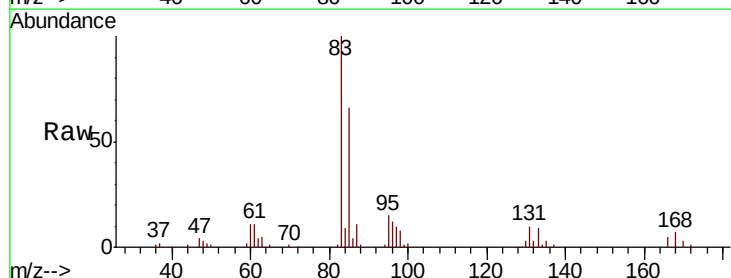
Tgt Ion: 83 Resp: 65058

Ion Ratio Lower Upper

83 100

85 65.9 46.1 85.7

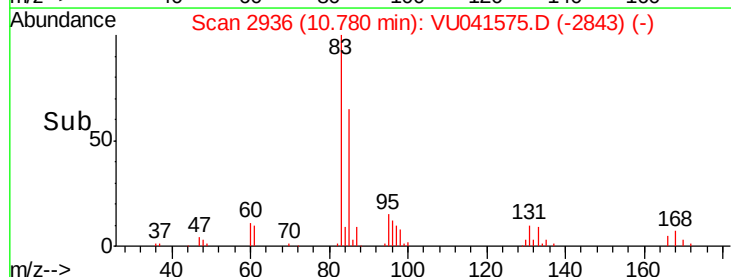
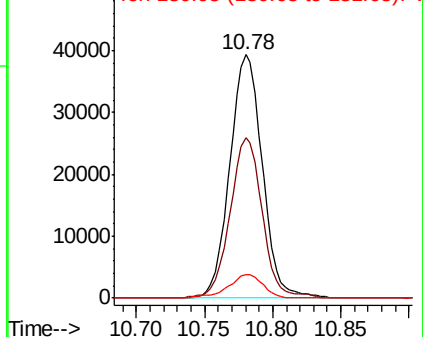
131 9.7 7.8 11.6

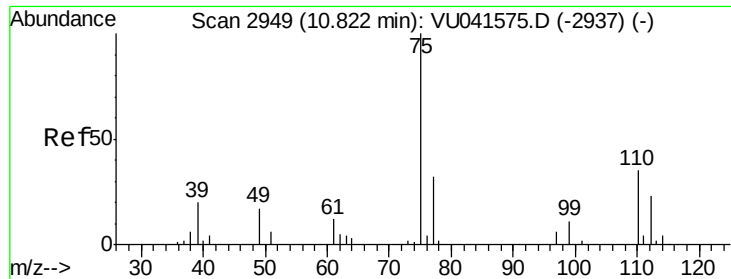


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.000 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU041575.D

Acq: 12 Dec 2020 18:14

Instrument :

MSVOA_U

ClientSampleId :

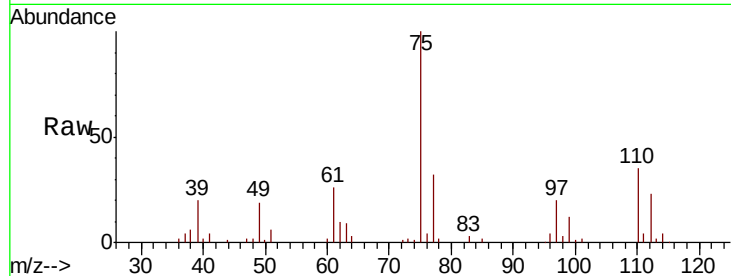
VSTD00503

Tot Ion: 75 Resp: 47804

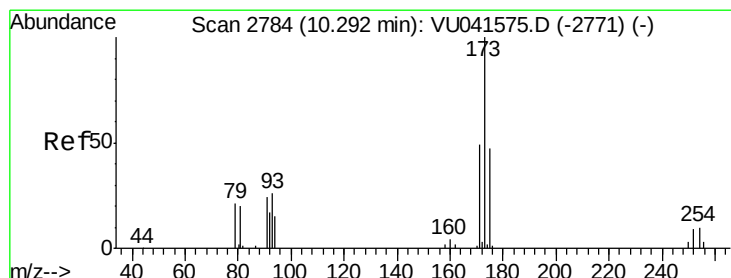
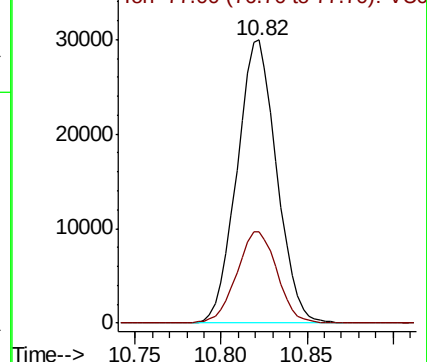
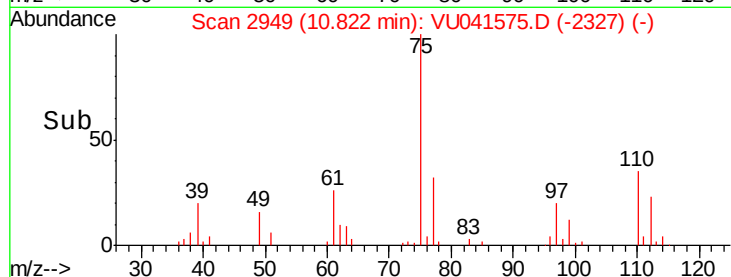
Ion Ratio Lower Upper

75 100

77 32.7 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU041575.D (-2937) (-)



#61

Bromoform

Concen: 5.000 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU041575.D

Acq: 12 Dec 2020 18:14

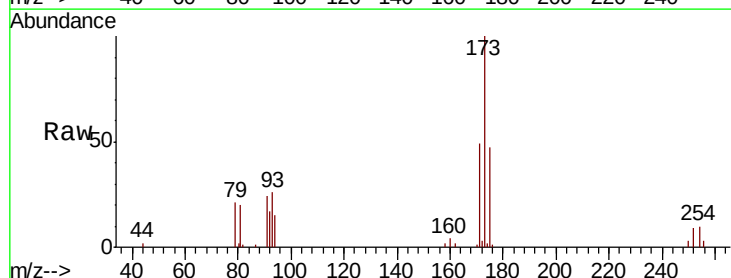
Tgt Ion: 173 Resp: 32124

Ion Ratio Lower Upper

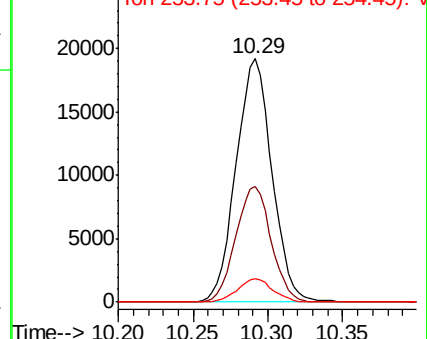
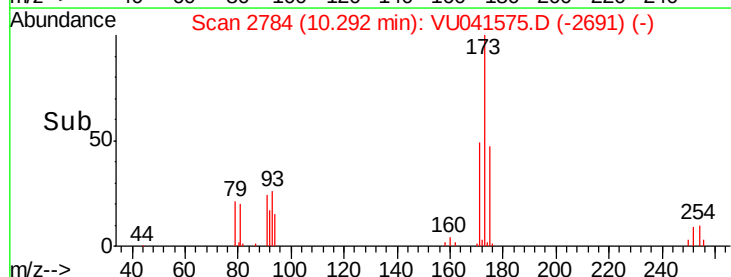
173 100

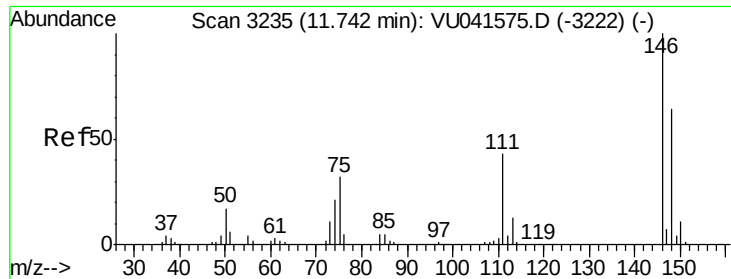
175 46.6 37.3 55.9

254 9.3 7.4 11.2



Abundance Ion 172.90 (172.60 to 173.60): VU041575.D (-2771) (-)





#62

1,3-Dichlorobenzene

Concen: 5.000 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU041575.D

Acq: 12 Dec 2020 18:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD00503

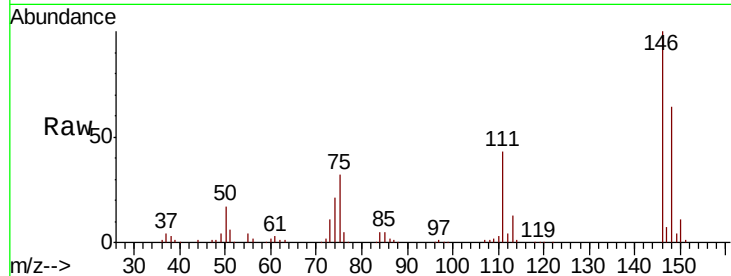
Tot Ion:146 Resp: 125953

Ion Ratio Lower Upper

146 100

111 42.9 30.0 55.8

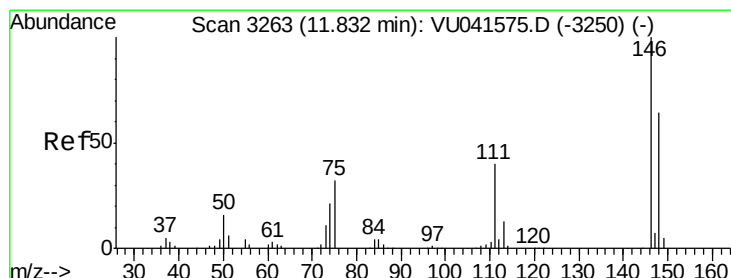
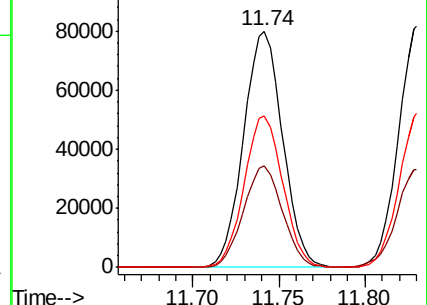
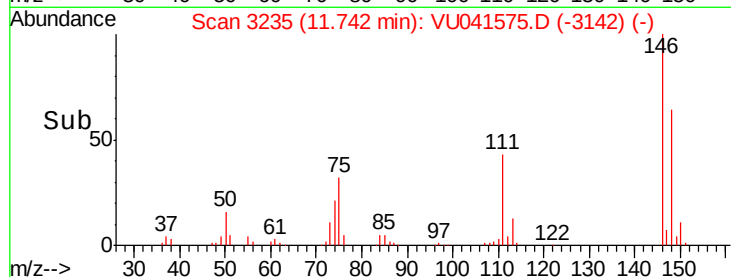
148 64.1 44.9 83.3



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: 5.000 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU041575.D

Acq: 12 Dec 2020 18:14

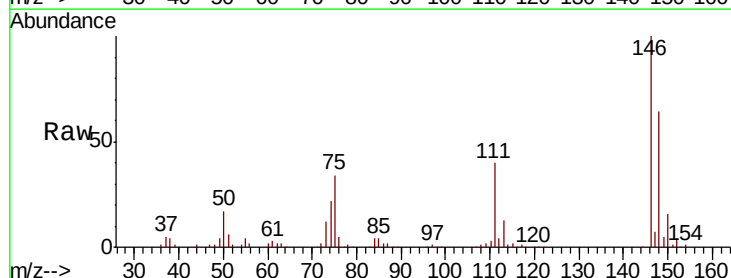
Tgt Ion:146 Resp: 128344

Ion Ratio Lower Upper

146 100

111 39.9 27.9 51.9

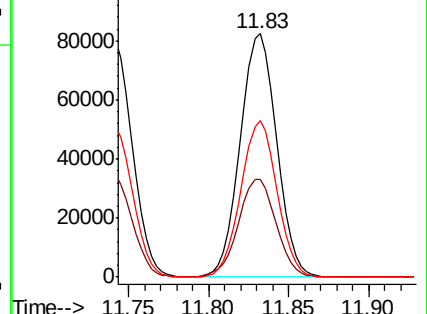
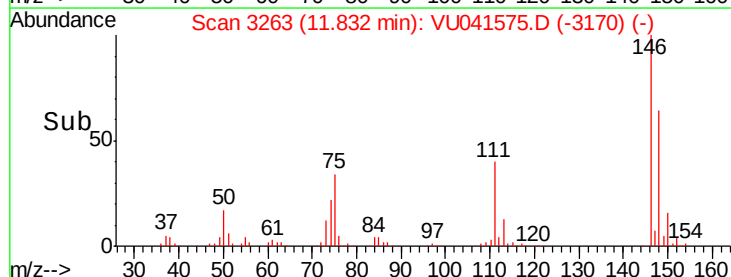
148 64.3 45.0 83.6

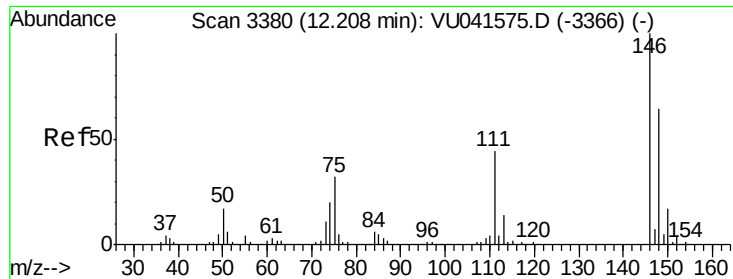


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

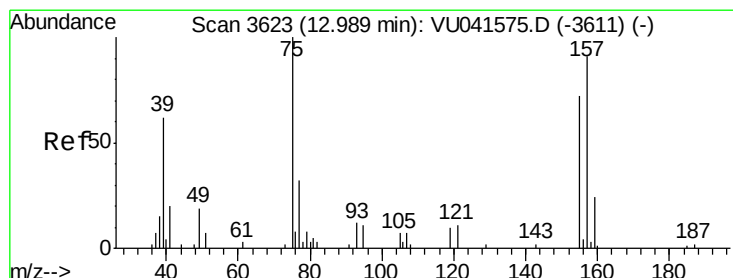
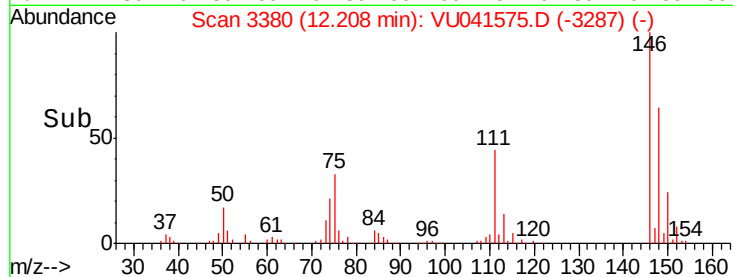
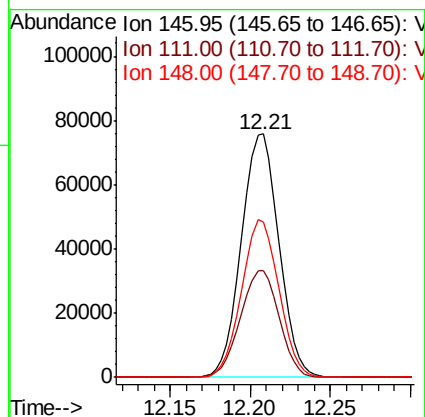
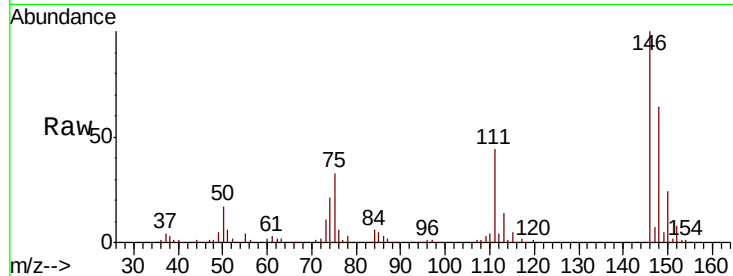




#65
 1,2-Dichlorobenzene
 Concen: 5.000 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU041575.D
 Acq: 12 Dec 2020 18:14

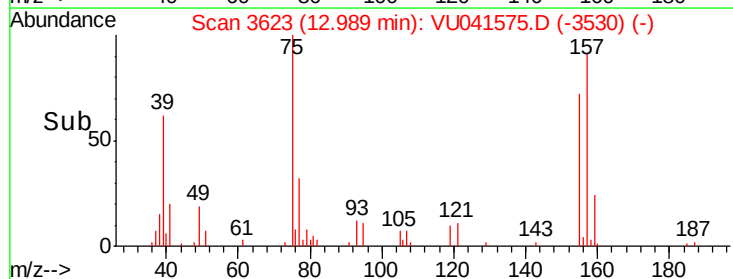
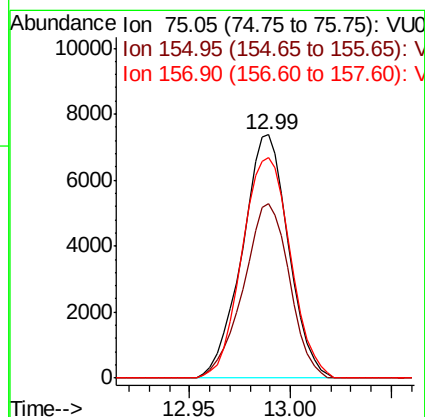
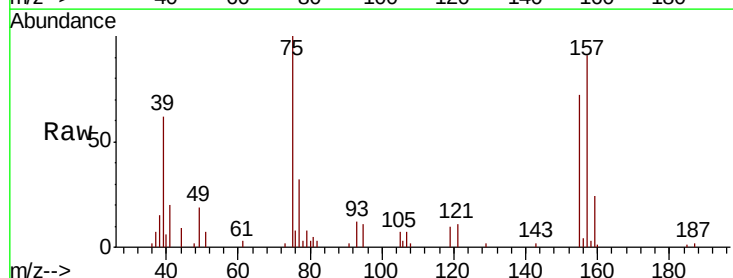
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00503

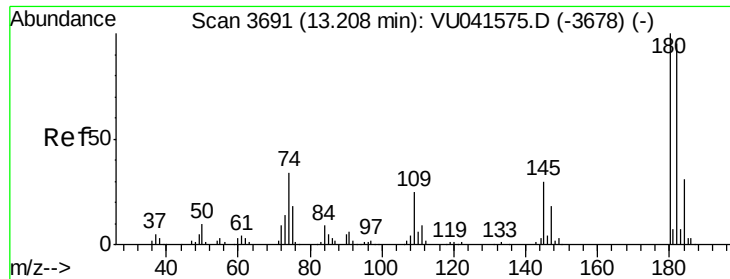
Tot Ion:146 Resp: 121197
 Ion Ratio Lower Upper
 146 100
 111 43.8 35.0 52.6
 148 63.8 51.0 76.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.000 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU041575.D
 Acq: 12 Dec 2020 18:14

Tgt Ion: 75 Resp: 11819
 Ion Ratio Lower Upper
 75 100
 155 71.7 57.4 86.0
 157 90.5 72.4 108.6

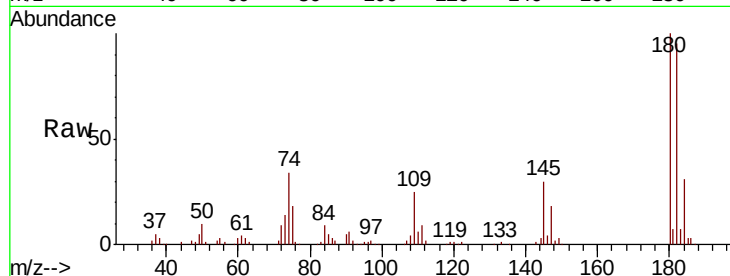




#67
 1,3,5-Trichlorobenzene
 Concen: 5.000 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. 0.00 min
 Lab File: VU041575.D
 Acq: 12 Dec 2020 18:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00503

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.3	114.5
184	30.1	24.1	36.1
145	30.1	24.1	36.1



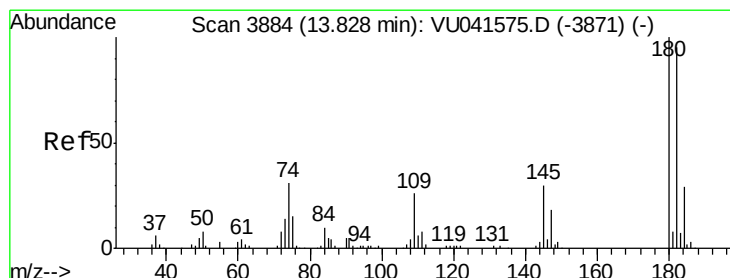
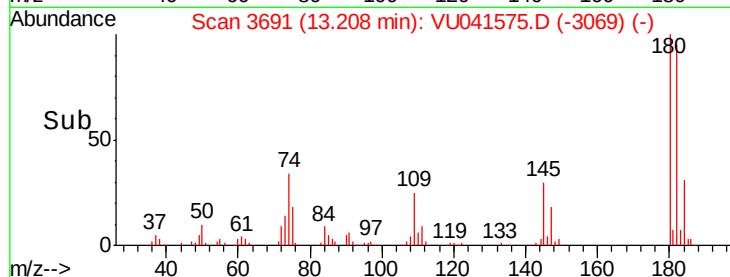
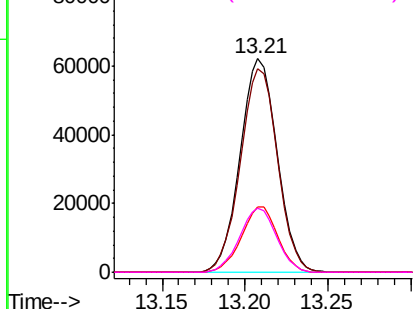
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

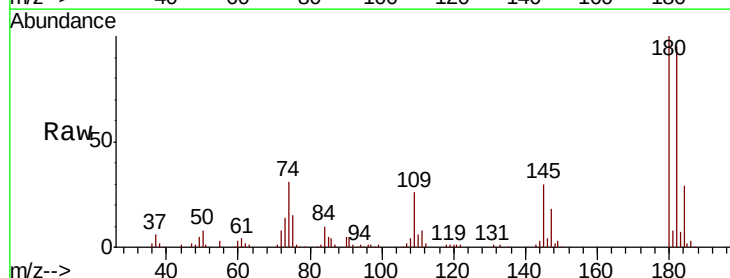
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.000 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU041575.D
 Acq: 12 Dec 2020 18:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	75.4	113.0
145	30.6	24.5	36.7

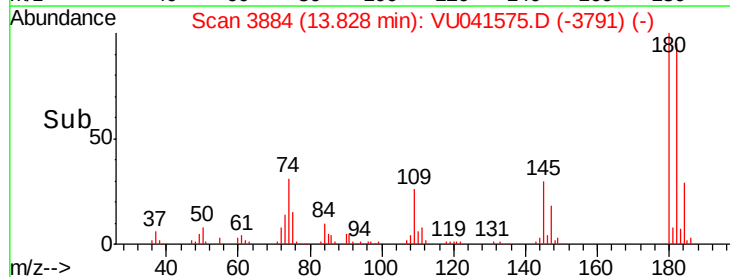
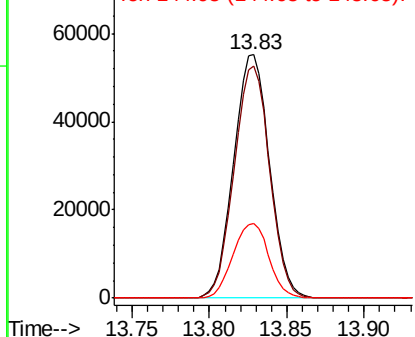


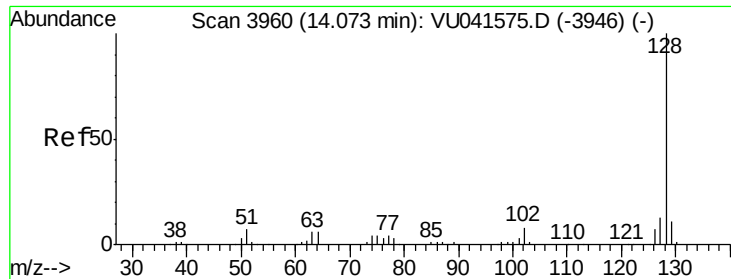
Abundance

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: 5.000 ug/L

RT: 14.07 min Scan# 3960

Delta R.T. 0.00 min

Lab File: VU041575.D

Acq: 12 Dec 2020 18:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD00503

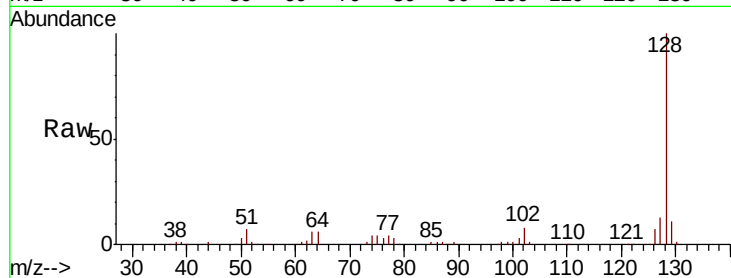
Tot Ion:128 Resp: 176099

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

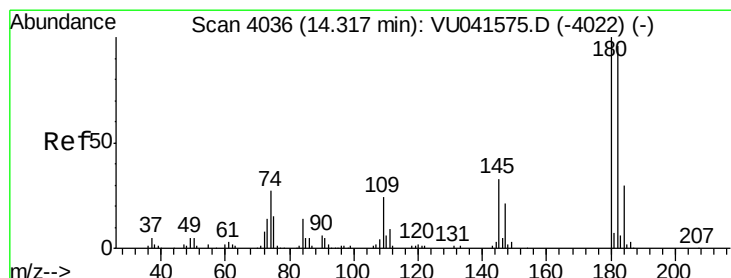
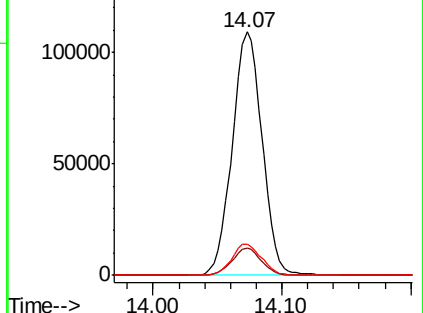
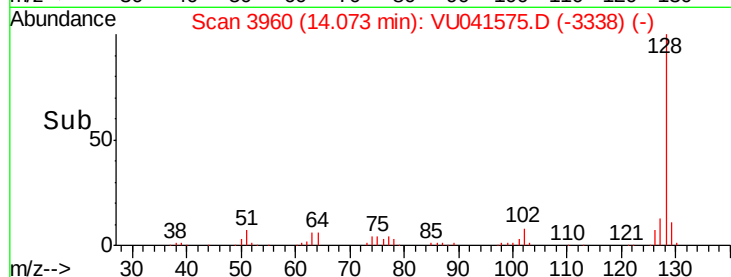
127 12.8 10.2 15.4



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: 5.000 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. 0.00 min

Lab File: VU041575.D

Acq: 12 Dec 2020 18:14

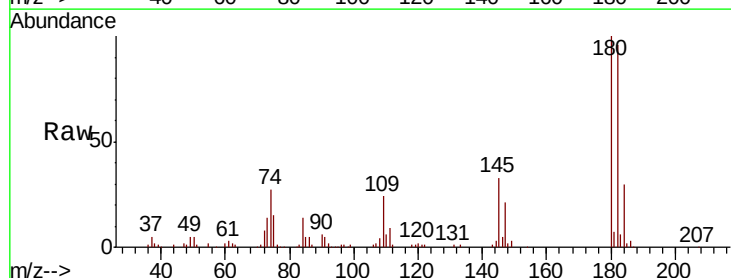
Tgt Ion:180 Resp: 82852

Ion Ratio Lower Upper

180 100

182 96.2 77.0 115.4

145 33.0 26.4 39.6



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

