

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100820\
 Data File : VU040557.D
 Acq On : 08 Oct 2020 12:57
 Operator : SY/MD
 Sample : VSTD0.505
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.505

Quant Time: Oct 09 01:19:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 09 01:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	136727	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	138472	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	66695	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	5250	0.67	ug/L	0.00
7) Chloroethane-d5	1.92	69	4098	0.62	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	10570	0.60	ug/L	0.00
20) 2-Butanone-d5	4.66	46	16781	4.86	ug/L	0.00
24) Chloroform-d	5.08	84	9183	0.54	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	6086	0.59	ug/L	0.00
32) Benzene-d6	5.74	84	15906	0.53	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	5839	0.55	ug/L	0.00
41) Toluene-d8	7.90	98	13573	0.51	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	2269	0.50	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	9979	3.92	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.75	84	5294	0.52	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.19	152	6519	0.61	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	6056	0.448 ug/L	94
3) Chloromethane	1.53	50	5843	0.445 ug/L	98
5) Vinyl chloride	1.61	62	5923	0.453 ug/L	99
6) Bromomethane	1.87	94	3333	0.513 ug/L	94
8) Chloroethane	1.94	64	4125	0.529 ug/L	100
9) Trichlorofluoromethane	2.15	101	8807	0.483 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	5759	0.494 ug/L	98
12) 1,1-Dichloroethene	2.59	96	4452	0.429 ug/L	87
13) Acetone	2.67	43	13932	4.879 ug/L	90
14) Carbon disulfide	2.81	76	12917	0.404 ug/L	96
15) Methyl Acetate	2.98	43	2947	0.435 ug/L	95
16) Methylene chloride	3.06	84	7276	0.556 ug/L	97
17) Methyl tert-butyl Ether	3.38	73	12310	0.428 ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	5087	0.477 ug/L	98
19) 1,1-Dichloroethane	3.89	63	9996	0.454 ug/L	99
21) 2-Butanone	4.74	43	18532	4.076 ug/L	93
22) cis-1,2-Dichloroethene	4.68	96	5019	0.426 ug/L	97
23) Bromochloromethane	4.99	128	2777	0.507 ug/L	92
25) Chloroform	5.11	83	10173	0.452 ug/L	99
27) 1,2-Dichloroethane	5.81	62	7527	0.482 ug/L	100
29) 1,1,1-Trichloroethane	5.33	97	8533	0.450 ug/L	97
30) Cyclohexane	5.40	56	7146	0.371 ug/L	96
31) Carbon tetrachloride	5.54	117	7170	0.440 ug/L	95
33) Benzene	5.79	78	20262	0.437 ug/L	100
34) Trichloroethene	6.55	95	5400	0.440 ug/L	91
35) Methylcyclohexane	6.77	83	6713	0.375 ug/L	99
37) 1,2-Dichloropropane	6.80	63	5732	0.439 ug/L	# 87
38) Bromodichloromethane	7.11	83	7153	0.446 ug/L	96
39) cis-1,3-Dichloropropene	7.61	75	6922	0.398 ug/L	84
40) 4-Methyl-2-pentanone	7.80	43	39961	3.930 ug/L	98

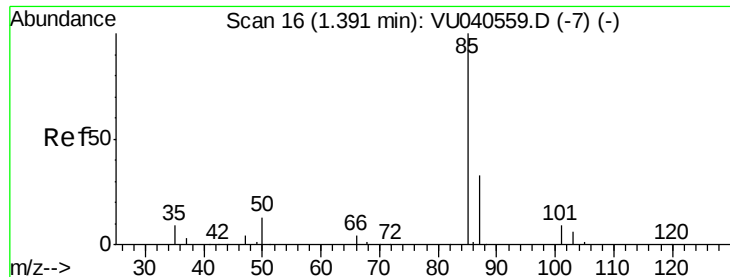
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 QLast Update : Fri Oct 09 01:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.98	91	19412	0.408	ug/L	98
44) trans-1,3-Dichloropropene	8.21	75	6464	0.400	ug/L	94
45) 1,1,2-Trichloroethane	8.40	97	4405	0.481	ug/L	95
47) Tetrachloroethene	8.56	164	3367	0.383	ug/L	82
48) 2-Hexanone	8.69	43	29737	3.943	ug/L	99
49) Dibromochloromethane	8.81	129	4757	0.444	ug/L	90
50) 1,2-Dibromoethane	8.93	107	4260	0.490	ug/L #	89
51) Chlorobenzene	9.45	112	13708	0.446	ug/L	98
52) Ethylbenzene	9.57	91	19913	0.386	ug/L	97
53) m,p-Xylene	9.70	106	6642	0.346	ug/L	96
54) o-Xylene	10.10	106	6403	0.354	ug/L	90
55) Styrene	10.11	104	10543	0.335	ug/L	95
56) Isopropylbenzene	10.48	105	17316	0.355	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.78	83	5653	0.459	ug/L #	92
59) 1,2,3-Trichloropropane	10.82	75	4198	0.448	ug/L	98
61) Bromoform	10.29	173	2799	0.496	ug/L #	90
62) 1,3-Dichlorobenzene	11.74	146	9948	0.448	ug/L	97
63) 1,4-Dichlorobenzene	11.83	146	10428	0.451	ug/L	92
65) 1,2-Dichlorobenzene	12.20	146	9793	0.453	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.99	75	690	0.352	ug/L	90
67) 1,3,5-Trichlorobenzene	13.21	180	6908	0.435	ug/L	97
68) 1,2,4-trichlorobenzene	13.83	180	4306	0.340	ug/L	100
69) Naphthalene	14.07	128	4548	0.212	ug/L #	93
70) 1,2,3-Trichlorobenzene	14.32	180	3986	0.341	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 0.448 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU040557.D

Acq: 08 Oct 2020 12:57

Instrument :

MSVOA_U

ClientSampleId :

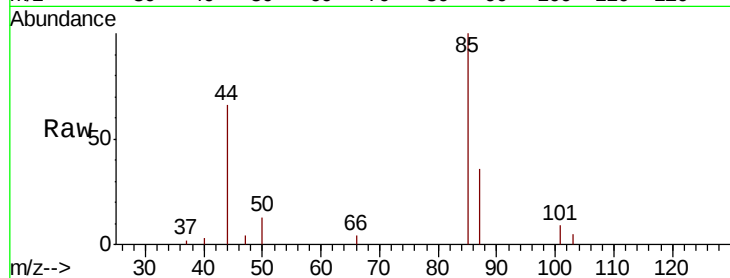
VSTD0.505

Tot Ion: 85 Resp: 6056

Ion Ratio Lower Upper

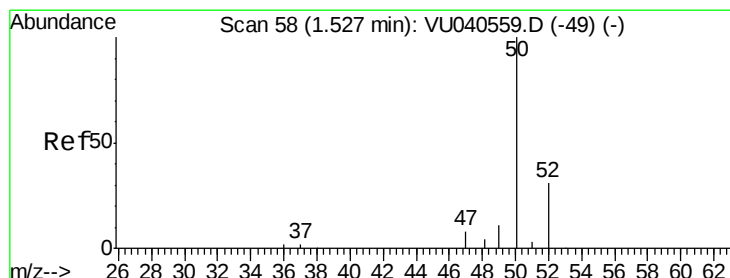
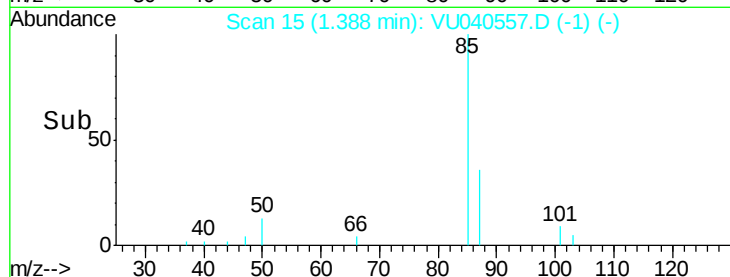
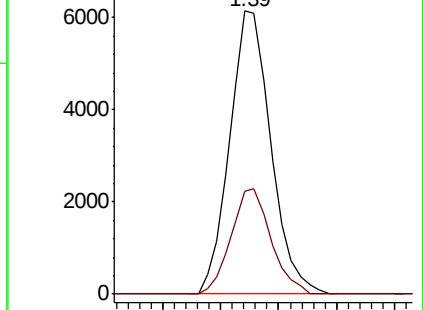
85 100

87 36.1 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU040557.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU040557.D (-1) (-)



#3

Chloromethane

Concen: 0.445 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040557.D

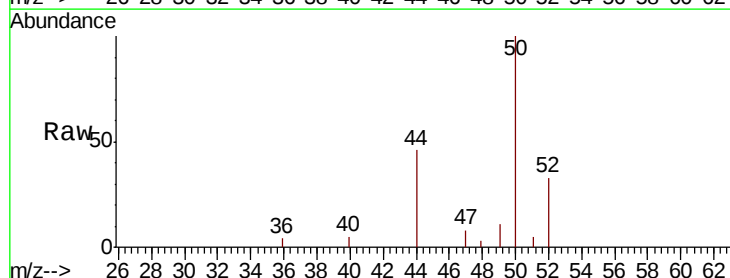
Acq: 08 Oct 2020 12:57

Tgt Ion: 50 Resp: 5843

Ion Ratio Lower Upper

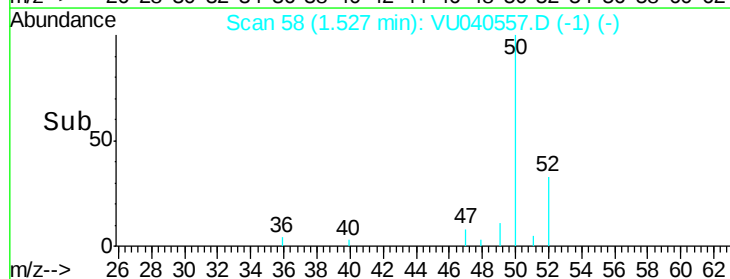
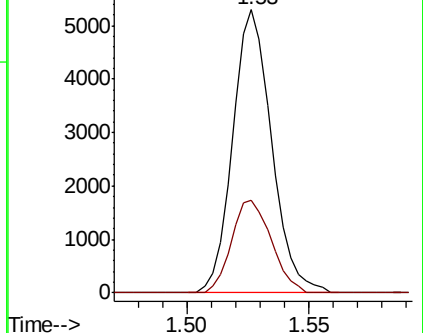
50 100

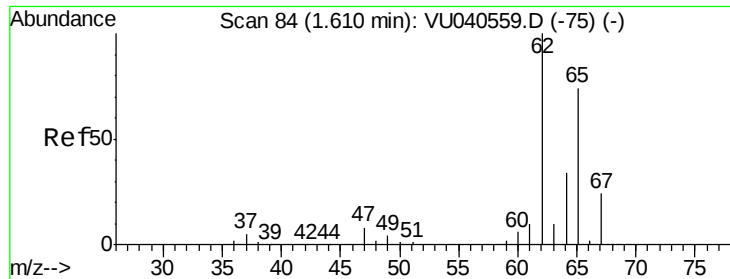
52 32.7 21.9 40.7



Abundance Ion 50.05 (49.75 to 50.75): VU040557.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU040557.D (-1) (-)





#5

Vinyl chloride

Concen: 0.453 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040557.D

Acq: 08 Oct 2020 12:57

Instrument :

MSVOA_U

ClientSampleId :

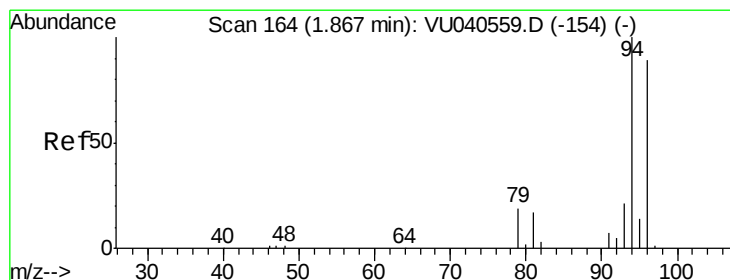
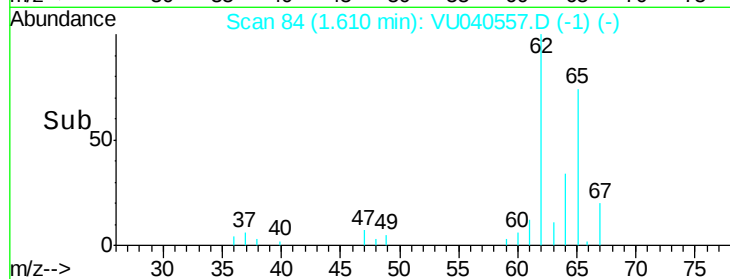
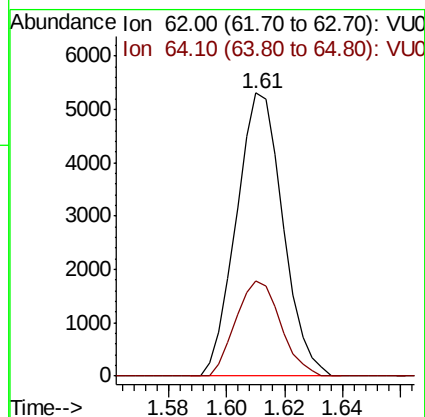
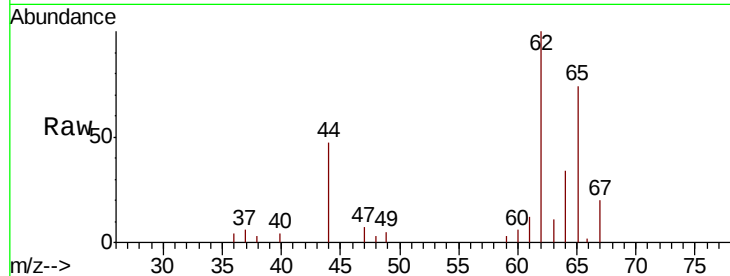
VSTD0.505

Tot Ion: 62 Resp: 5923

Ion Ratio Lower Upper

62 100

64 33.6 23.7 44.1



#6

Bromomethane

Concen: 0.513 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU040557.D

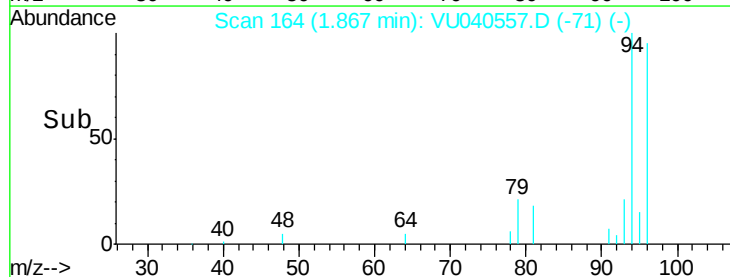
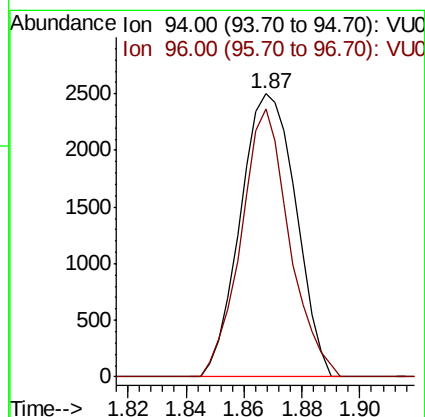
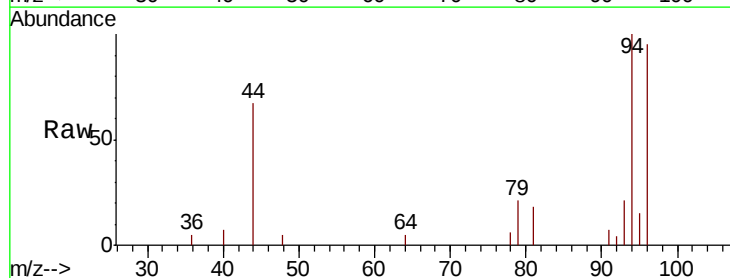
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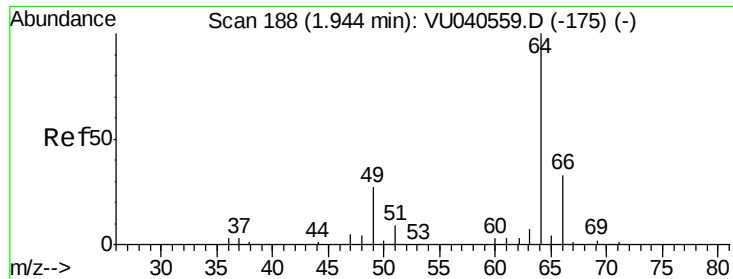
Tgt Ion: 94 Resp: 3333

Ion Ratio Lower Upper

94 100

96 94.7 62.1 115.3

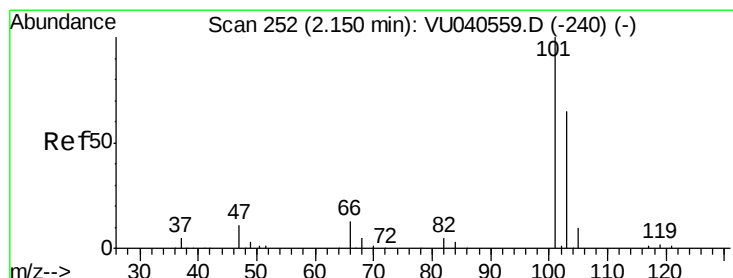
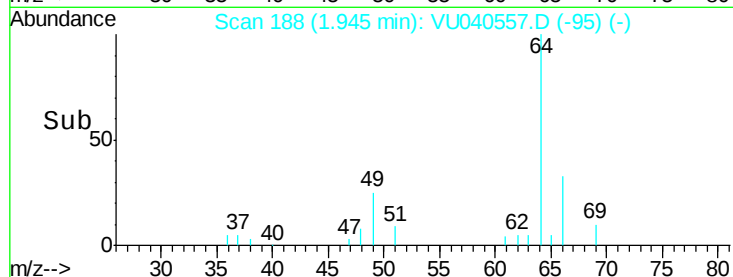
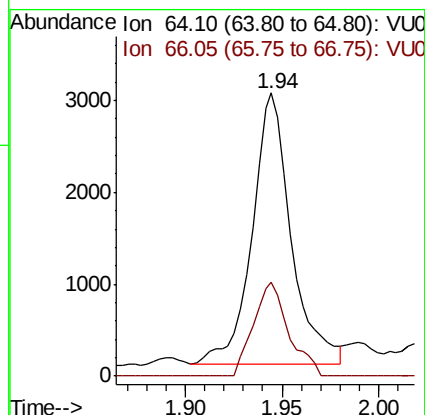
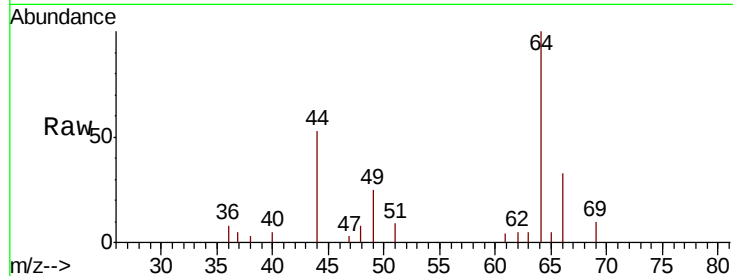




#8
Chloroethane
Concen: 0.529 ug/L
RT: 1.94 min Scan# 188
Delta R.T. 0.00 min
Lab File: VU040557.D
Acq: 08 Oct 2020 12:57

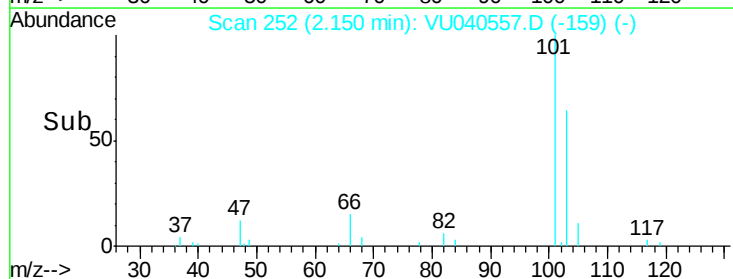
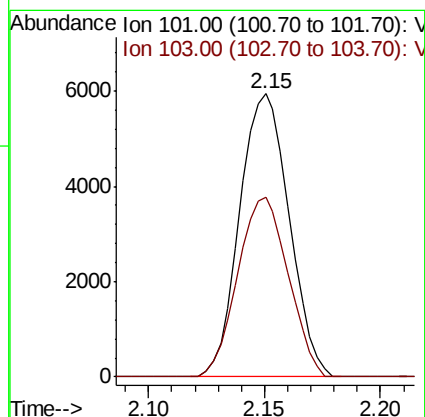
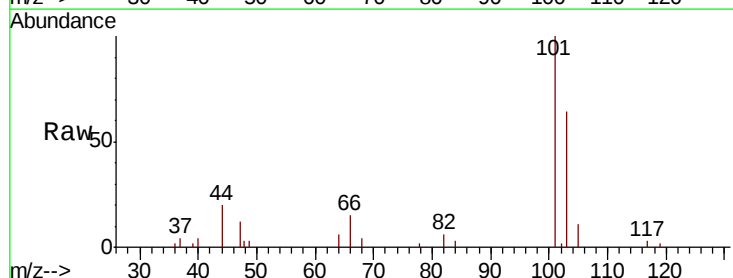
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MSVOA_U
ClientSampleId :
VSTD0.505

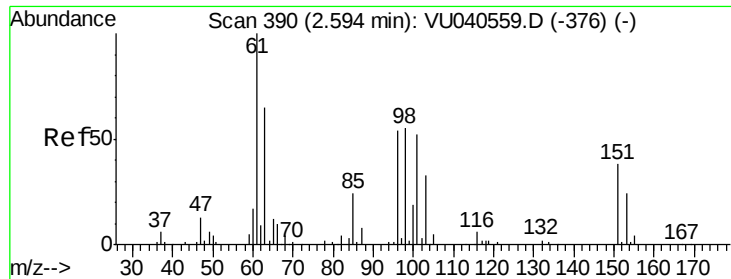
Tot Ion: 64 Resp: 4125
Ion Ratio Lower Upper
64 100
66 33.1 23.3 43.3



#9
Trichlorofluoromethane
Concen: 0.483 ug/L
RT: 2.15 min Scan# 252
Delta R.T. 0.00 min
Lab File: VU040557.D
Acq: 08 Oct 2020 12:57

Tgt Ion: 101 Resp: 8807
Ion Ratio Lower Upper
101 100
103 64.7 52.2 78.4





#10

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

Concen: 0.494 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040557.D

Acq: 08 Oct 2020 12:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.505

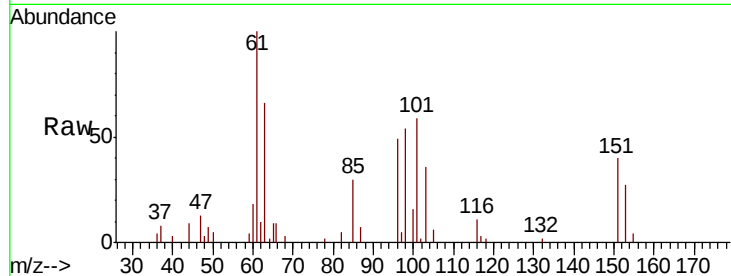
Tot Ion:101 Resp: 5759

Ion Ratio Lower Upper

101 100

85 44.1 36.7 55.1

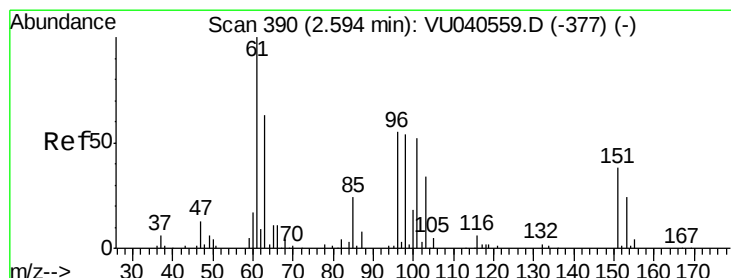
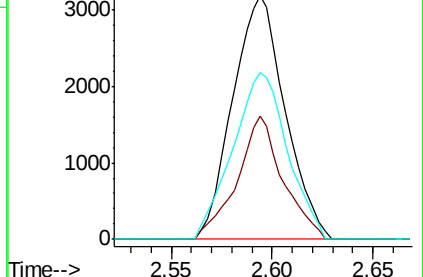
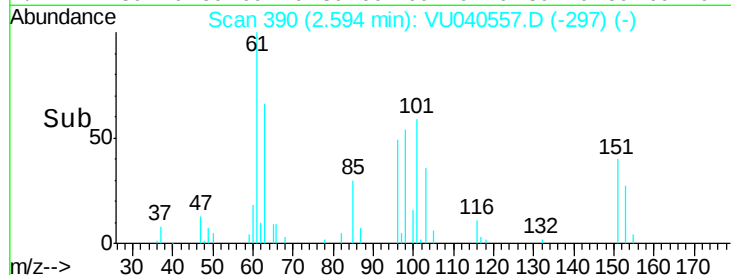
151 71.4 58.0 87.0



Abundance Ion 101.00 (100.70 to 101.70): VU040557.D (-297) (-)

Ion 85.00 (84.70 to 85.70): VU040557.D (-297) (-)

Ion 151.00 (150.70 to 151.70): VU040557.D (-297) (-)



#12

1,1-Dichloroethene

Concen: 0.429 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040557.D

Acq: 08 Oct 2020 12:57

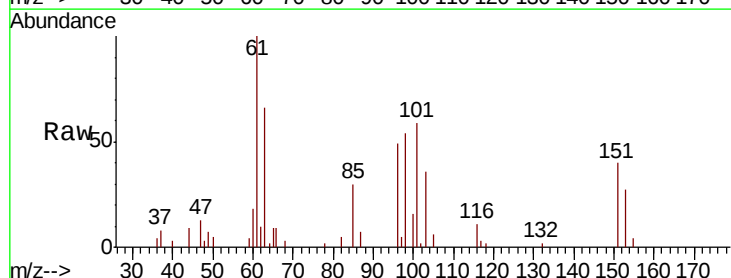
Tgt Ion: 96 Resp: 4452

Ion Ratio Lower Upper

96 100

61 204.3 128.8 239.2

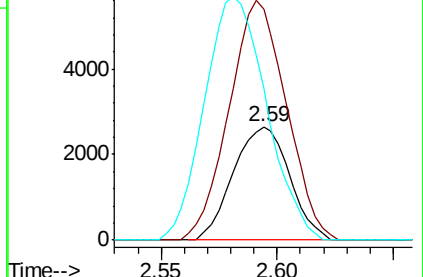
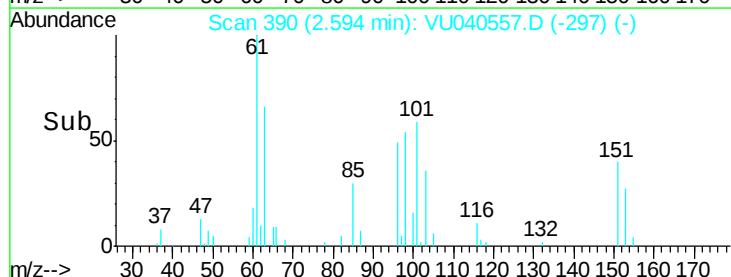
63 134.0 84.6 157.2

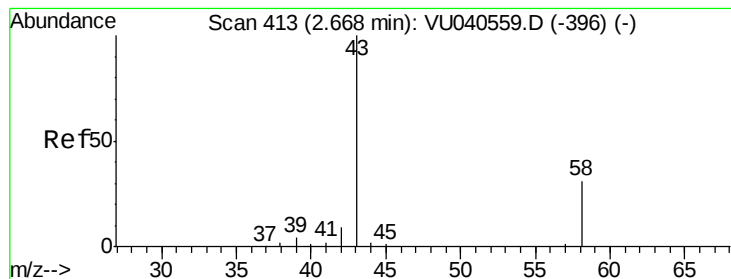


Abundance Ion 96.00 (95.70 to 96.70): VU040557.D (-297) (-)

Ion 61.05 (60.75 to 61.75): VU040557.D (-297) (-)

Ion 63.00 (62.70 to 63.70): VU040557.D (-297) (-)





#13

Acetone

Concen: 4.879 ug/L

RT: 2.67 min Scan# 413

Delta R.T. 0.00 min

Lab File: VU040557.D

Acq: 08 Oct 2020 12:57

Instrument :

MSVOA_U

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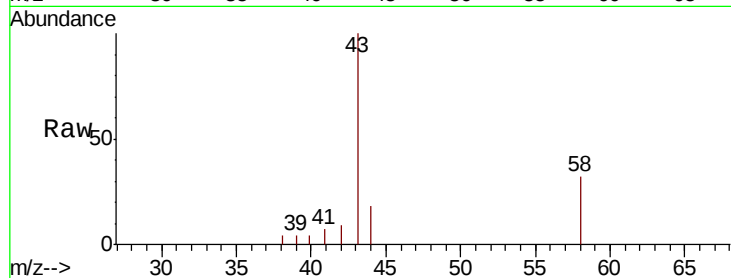
VSTD0.505

Tot Ion: 43 Resp: 13932

Ion Ratio Lower Upper

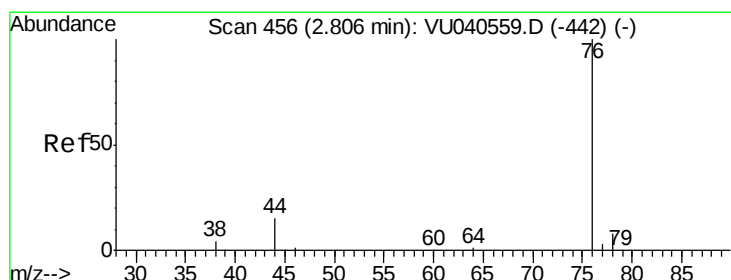
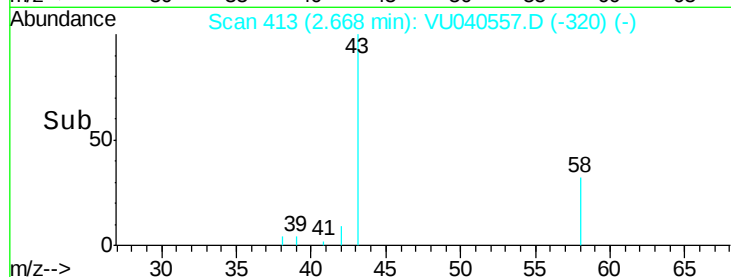
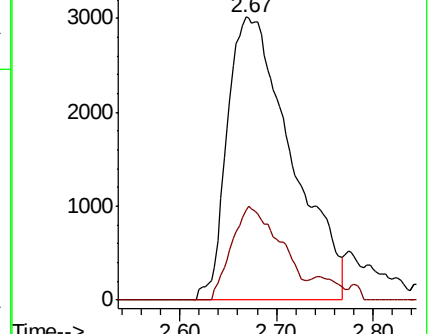
43 100

58 25.1 0.0 60.6



Abundance Ion 43.05 (42.75 to 43.75): VU040557.D (-320) (-)

Ion 58.05 (57.75 to 58.75): VU040557.D (-320) (-)



#14

Carbon disulfide

Concen: 0.404 ug/L

RT: 2.81 min Scan# 457

Delta R.T. 0.00 min

Lab File: VU040557.D

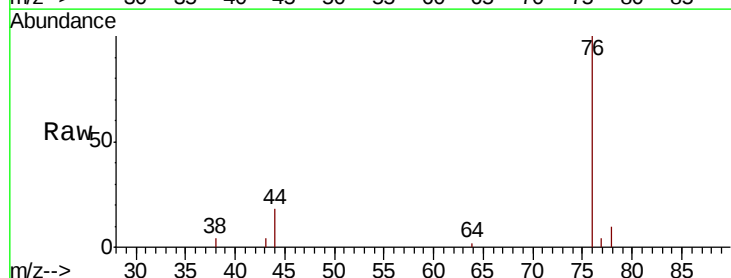
Acq: 08 Oct 2020 12:57

Tgt Ion: 76 Resp: 12917

Ion Ratio Lower Upper

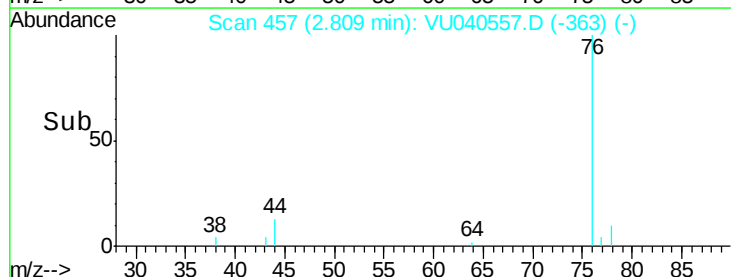
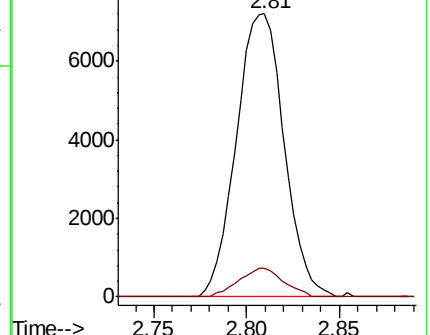
76 100

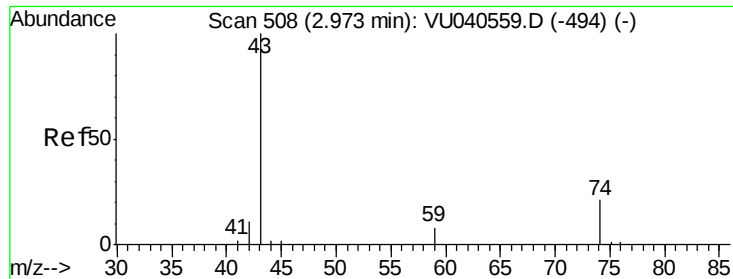
78 10.0 6.8 10.2



Abundance Ion 76.05 (75.75 to 76.75): VU040557.D (-363) (-)

Ion 78.00 (77.70 to 78.70): VU040557.D (-363) (-)





#15

Methvl Acetate

Concen: 0.435 ug/L

RT: 2.98 min Scan# 510

Delta R.T. 0.01 min

Lab File: VU040557.D

Acq: 08 Oct 2020 12:57

Instrument :

MSVOA_U

ClientSampleId :

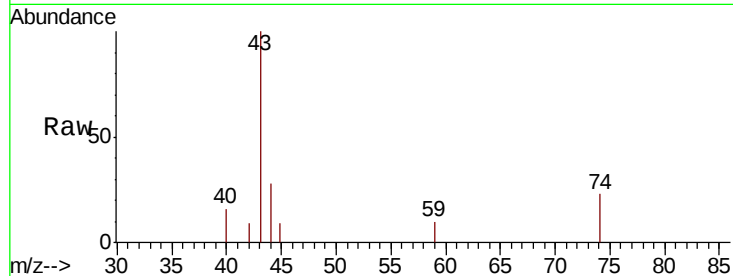
VSTD0.505

Tot Ion: 43 Resp: 2947

Ion Ratio Lower Upper

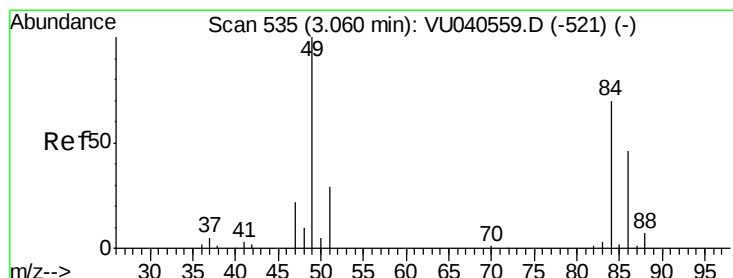
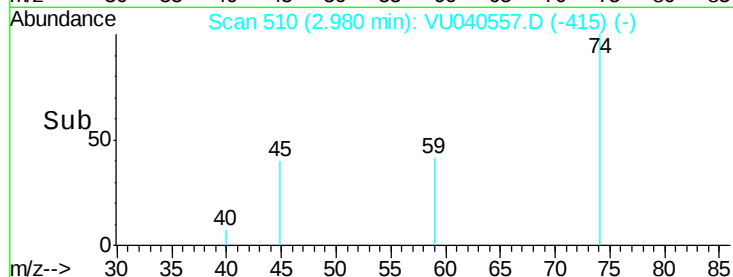
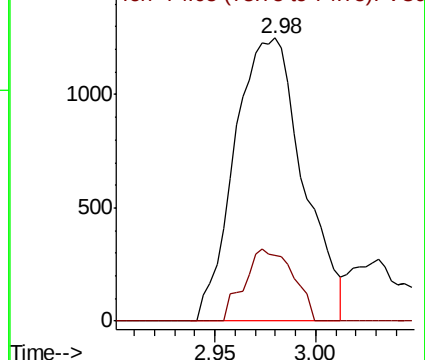
43 100

74 18.3 16.5 24.7



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 0.556 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU040557.D

Acq: 08 Oct 2020 12:57

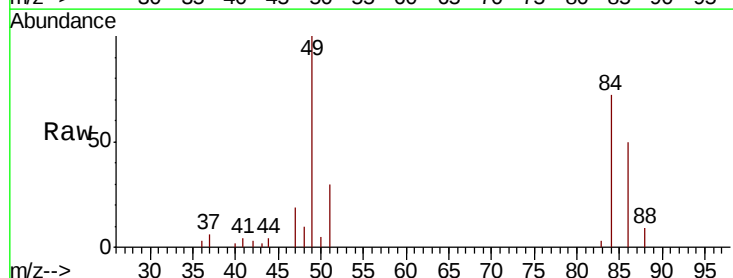
Tgt Ion: 84 Resp: 7276

Ion Ratio Lower Upper

84 100

86 69.8 45.4 84.4

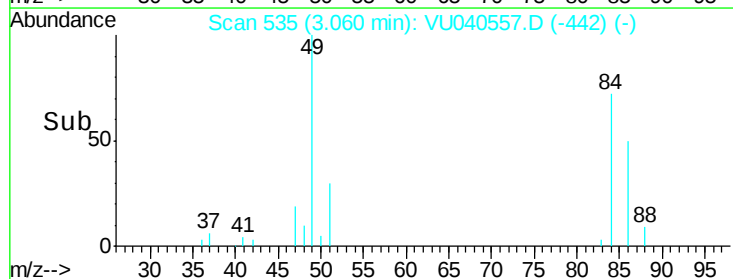
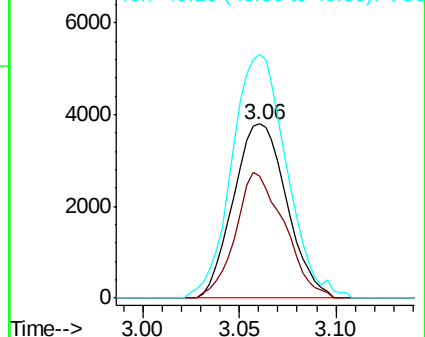
49 139.8 99.8 185.3

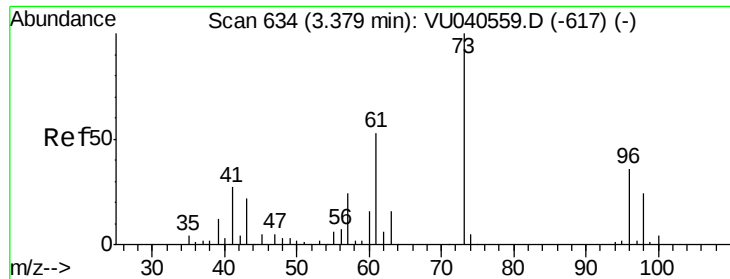


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

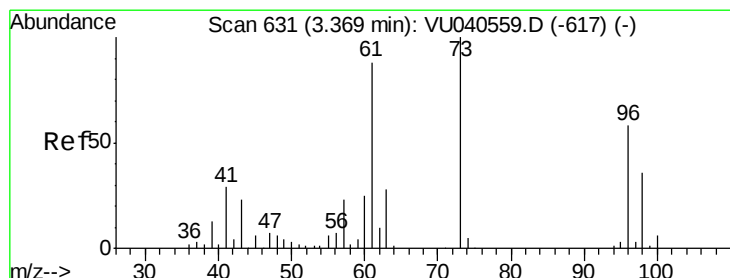
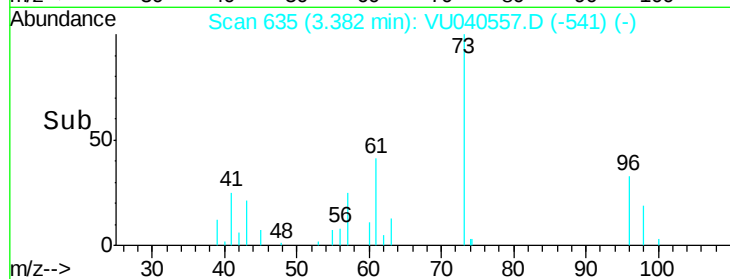
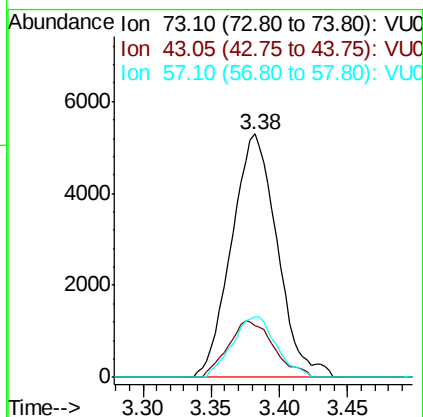
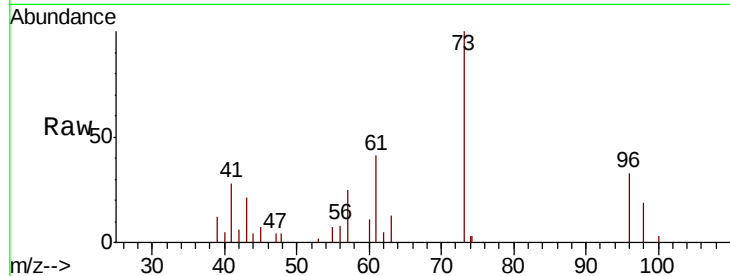




#17
Methvl tert-butvl Ether
Concen: 0.428 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU040557.D
Acq: 08 Oct 2020 12:57

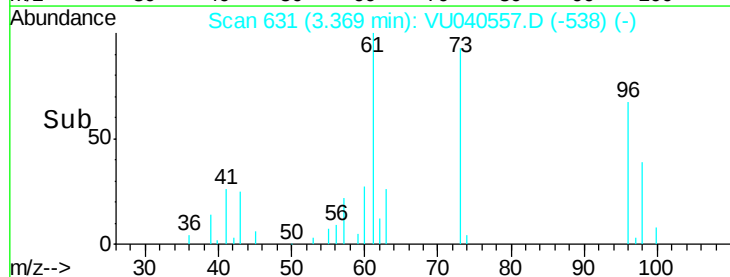
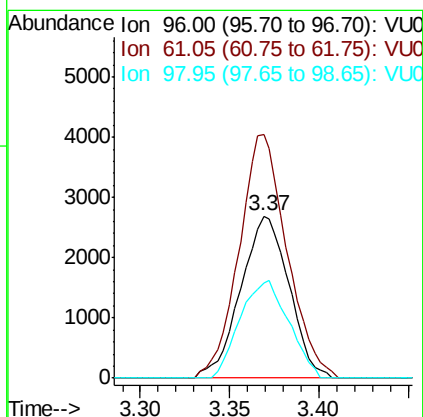
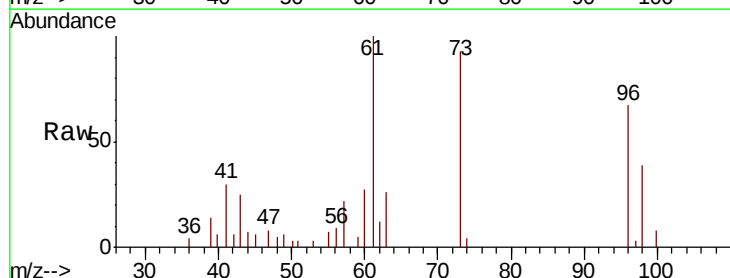
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.505

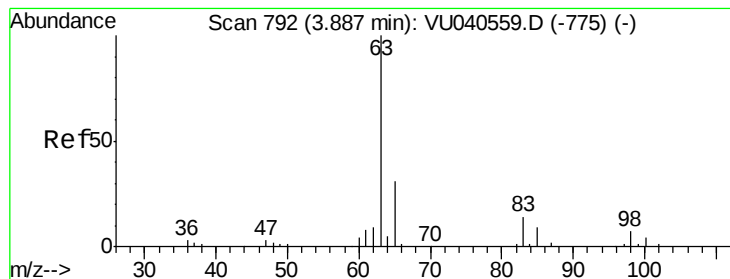
Tot Ion: 73 Resp: 12310
Ion Ratio Lower Upper
73 100
43 23.2 18.2 27.4
57 23.8 18.6 28.0



#18
trans-1,2-Dichloroethene
Concen: 0.477 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU040557.D
Acq: 08 Oct 2020 12:57

Tgt Ion: 96 Resp: 5087
Ion Ratio Lower Upper
96 100
61 150.2 105.9 196.7
98 58.8 43.8 81.3





#19

1,1-Dichloroethane

Concen: 0.454 ug/L

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU040557.D

Acq: 08 Oct 2020 12:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.505

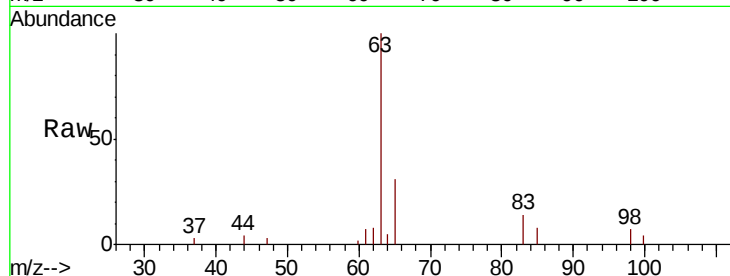
Tot Ion: 63 Resp: 9996

Ion Ratio Lower Upper

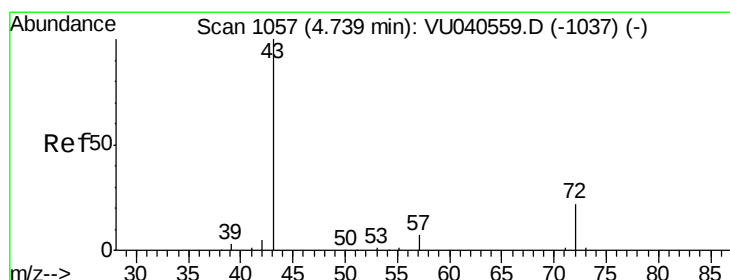
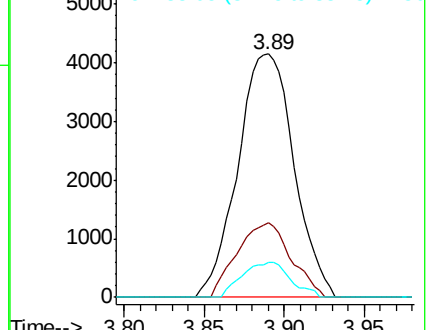
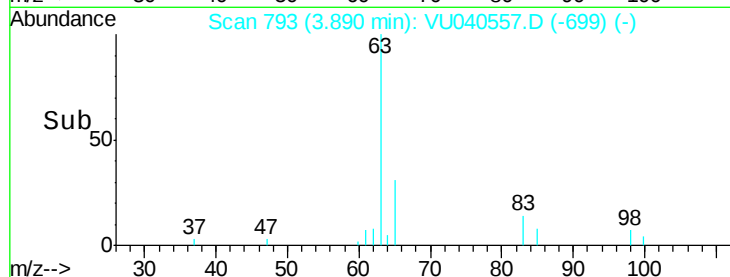
63 100

65 30.6 21.9 40.7

83 14.3 9.6 17.8



Abundance Ion 63.10 (62.80 to 63.80): VU040557.D (-699) (-)



#21

2-Butanone

Concen: 4.076 ug/L

RT: 4.74 min Scan# 1057

Delta R.T. 0.00 min

Lab File: VU040557.D

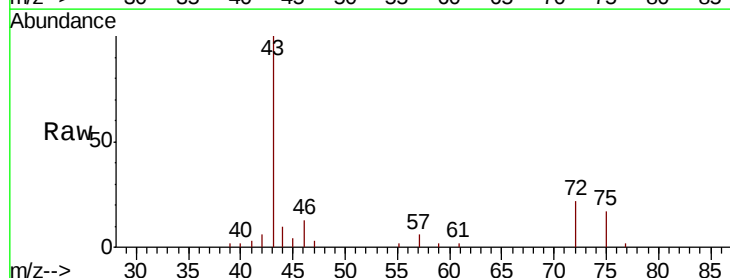
Acq: 08 Oct 2020 12:57

Tgt Ion: 43 Resp: 18532

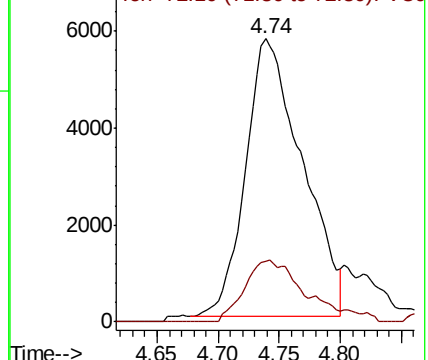
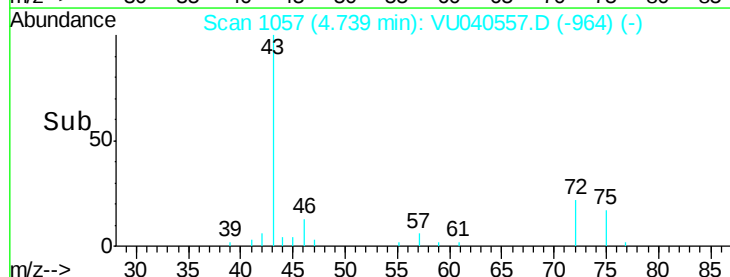
Ion Ratio Lower Upper

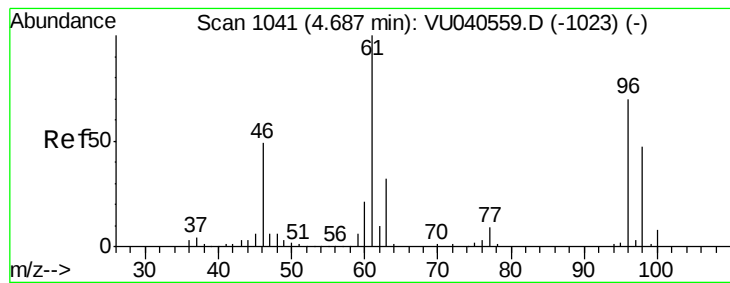
43 100

72 19.4 11.4 34.2



Abundance Ion 43.05 (42.75 to 43.75): VU040557.D (-964) (-)





#22

cis-1,2-Dichloroethene

Concen: 0.426 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU040557.D

Acq: 08 Oct 2020 12:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.505

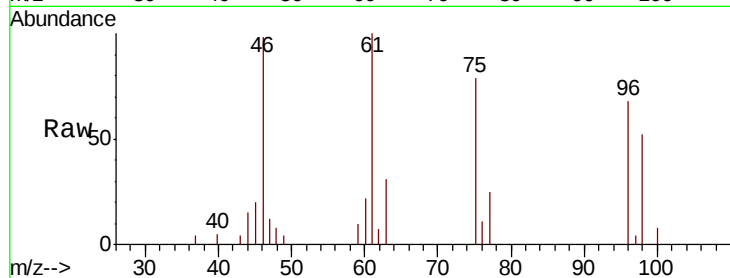
Tot Ion: 96 Resp: 5019

Ion Ratio Lower Upper

96 100

61 146.3 99.8 185.4

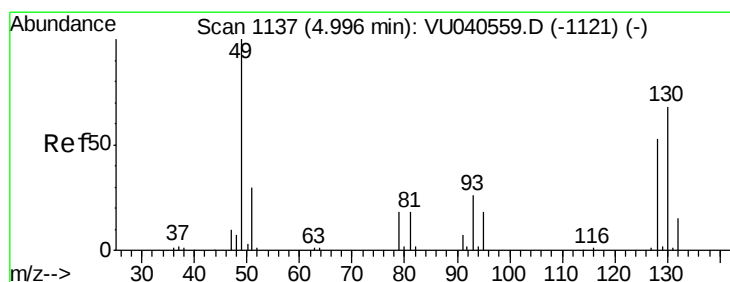
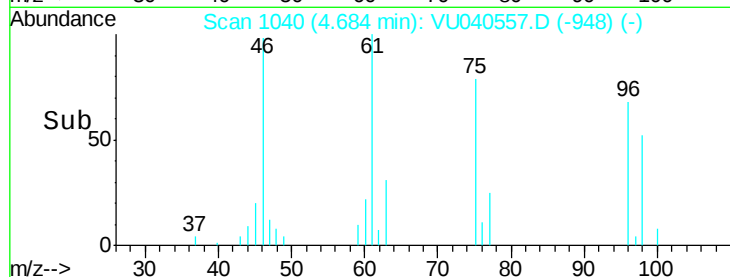
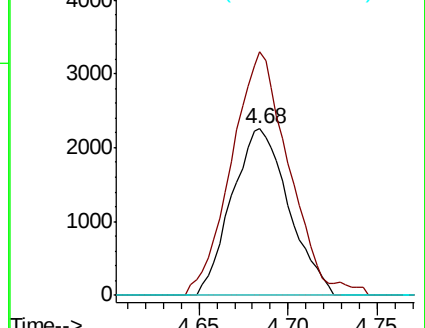
68 0.0 0.0 0.0



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: 0.507 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VU040557.D

Acq: 08 Oct 2020 12:57

Tgt Ion: 128 Resp: 2777

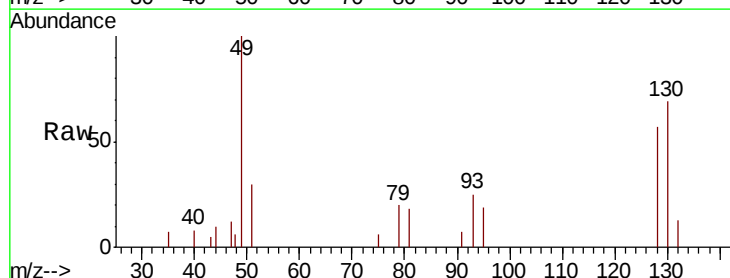
Ion Ratio Lower Upper

128 100

49 175.0 132.2 245.4

130 120.3 89.2 165.8

51 51.8 45.3 67.9

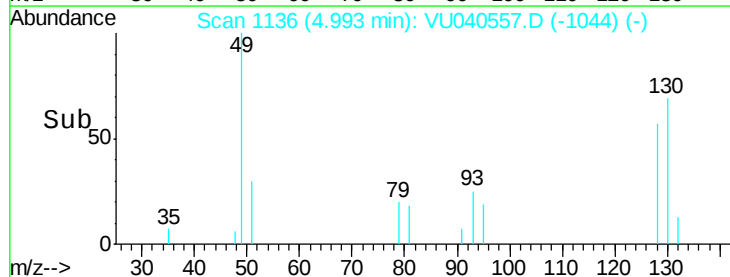
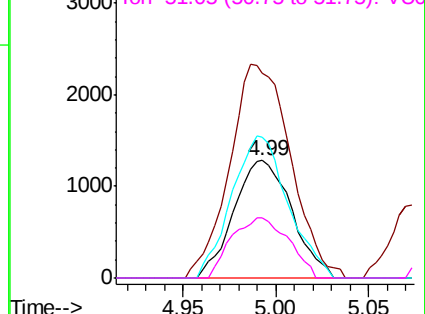


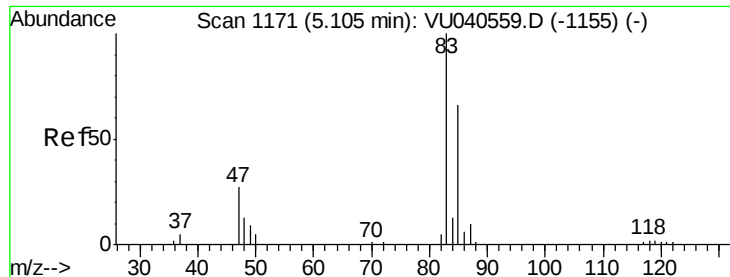
Abundance Ion 127.90 (127.60 to 128.60): V

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

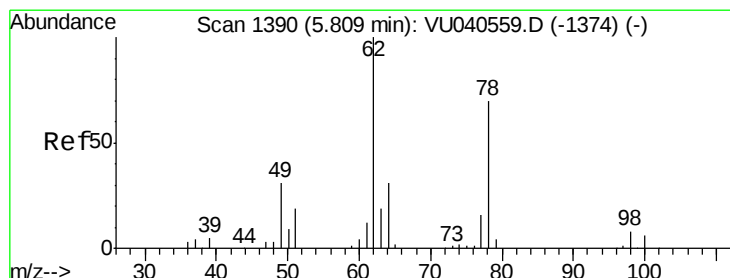
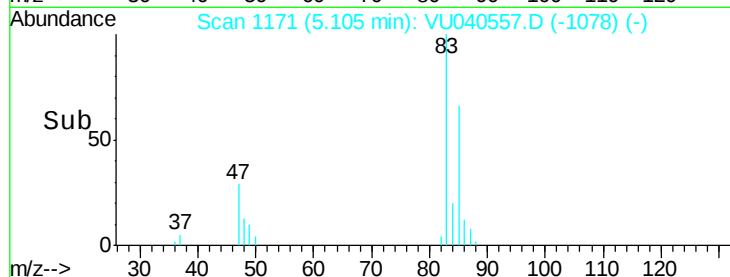
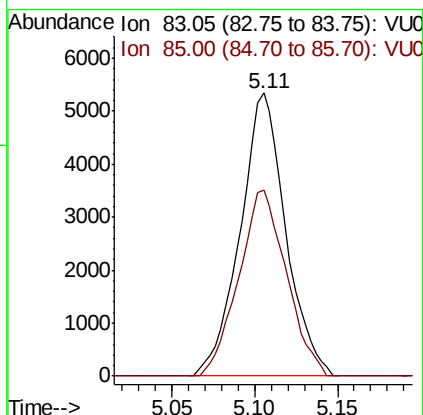
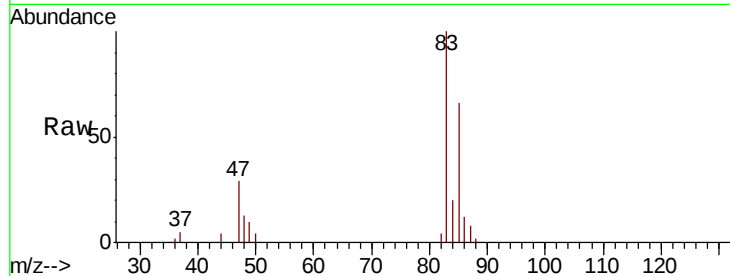




#25
Chloroform
Concen: 0.452 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU040557.D
Acq: 08 Oct 2020 12:57

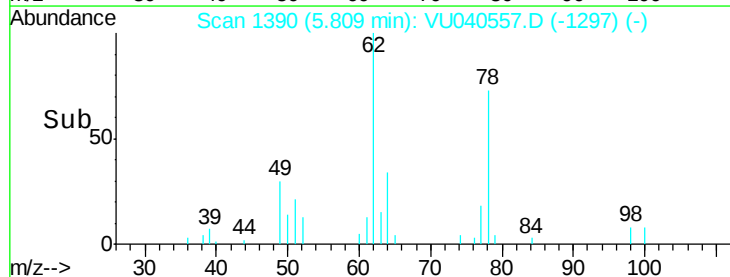
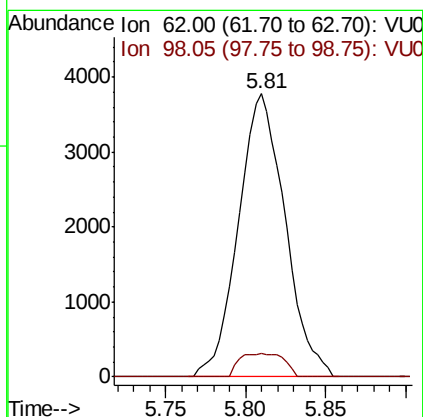
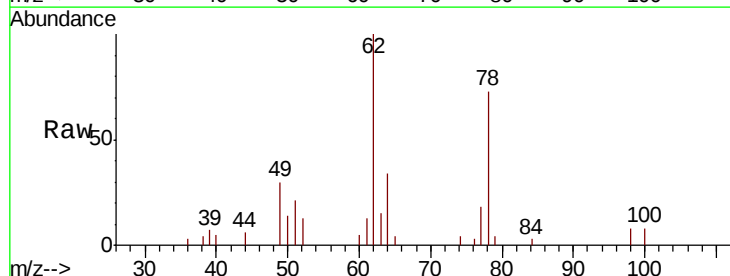
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.505

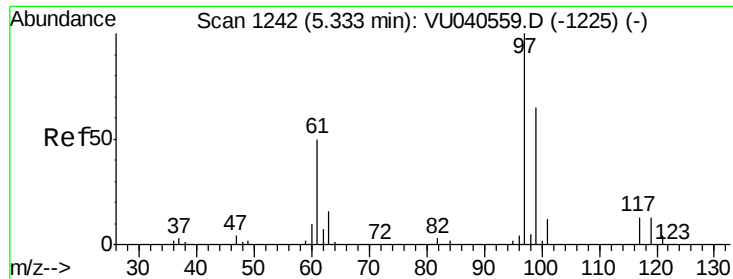
Tot Ion: 83 Resp: 10173
Ion Ratio Lower Upper
83 100
85 65.9 46.5 86.5



#27
1,2-Dichloroethane
Concen: 0.482 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU040557.D
Acq: 08 Oct 2020 12:57

Tgt Ion: 62 Resp: 7527
Ion Ratio Lower Upper
62 100
98 8.2 6.6 10.0

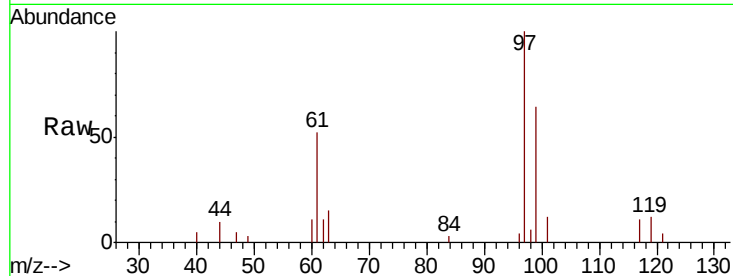




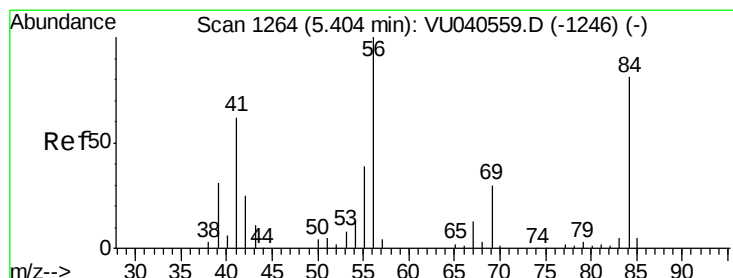
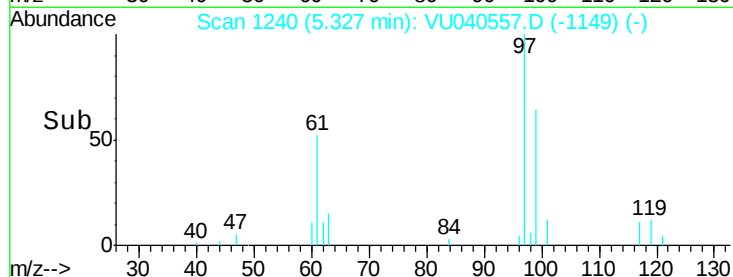
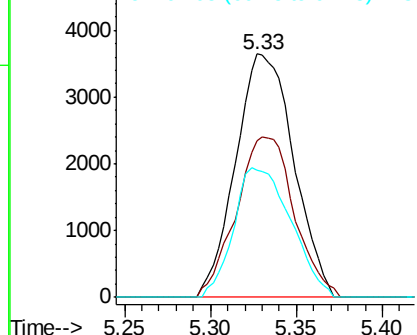
#29
 1,1,1-Trichloroethane
 Concen: 0.450 ug/L
 RT: 5.33 min Scan# 1240
 Delta R.T. -0.01 min
 Lab File: VU040557.D
 Acq: 08 Oct 2020 12:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.505

Tot Ion: 97 Resp: 8533
 Ion Ratio Lower Upper
 97 100
 99 65.9 51.3 76.9
 61 52.5 39.4 59.2

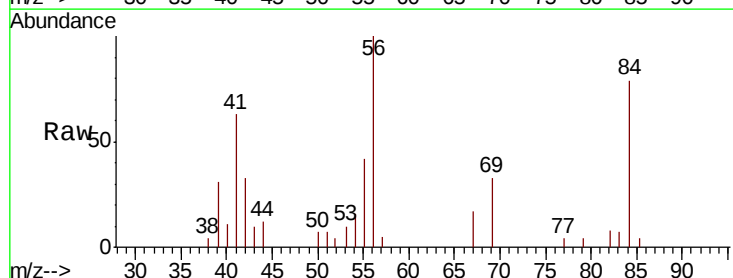


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

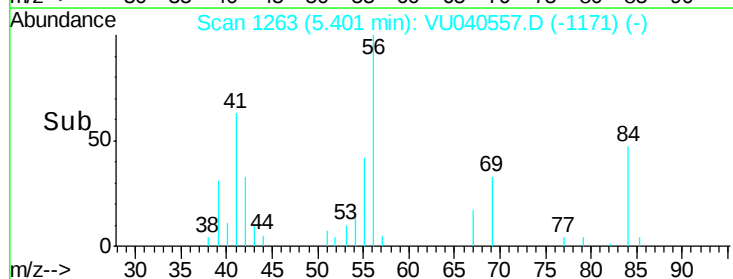
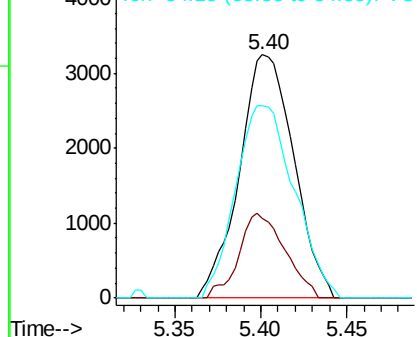


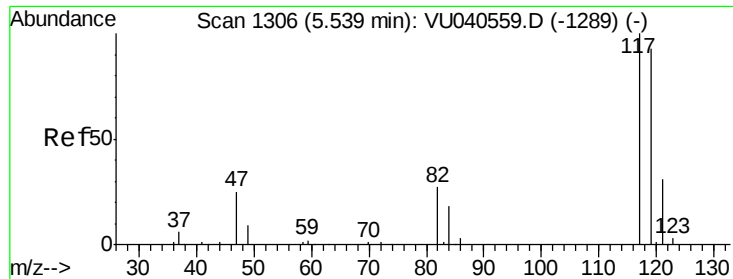
#30
 Cyclohexane
 Concen: 0.371 ug/L
 RT: 5.40 min Scan# 1263
 Delta R.T. -0.00 min
 Lab File: VU040557.D
 Acq: 08 Oct 2020 12:57

Tgt Ion: 56 Resp: 7146
 Ion Ratio Lower Upper
 56 100
 69 29.3 23.8 35.8
 84 84.7 64.0 96.0



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: 0.440 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU040557.D

Acq: 08 Oct 2020 12:57

Instrument :

MSVOA_U

ClientSampleId :

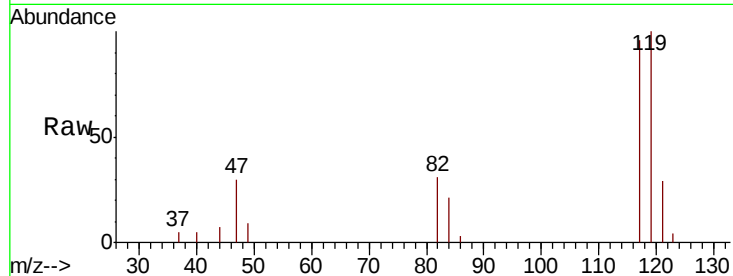
VSTD0.505

Tot Ion:117 Resp: 7170

Ion Ratio Lower Upper

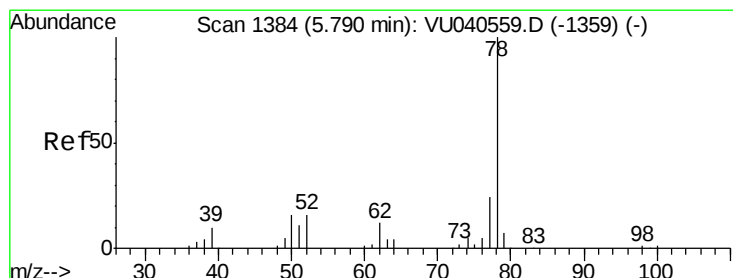
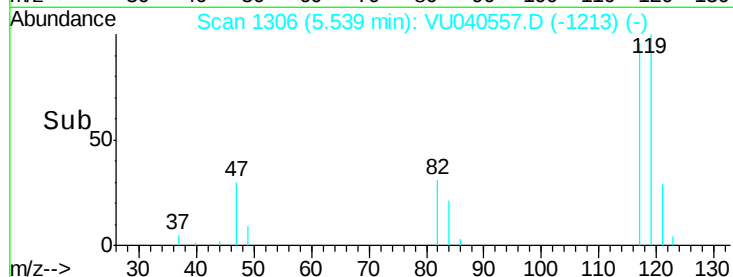
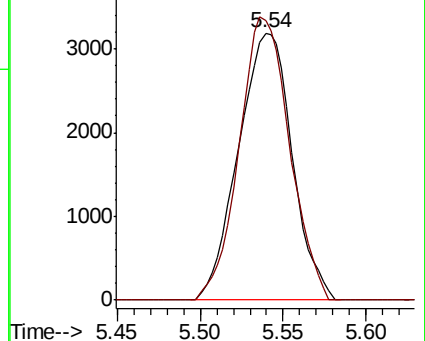
117 100

119 99.8 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: 0.437 ug/L

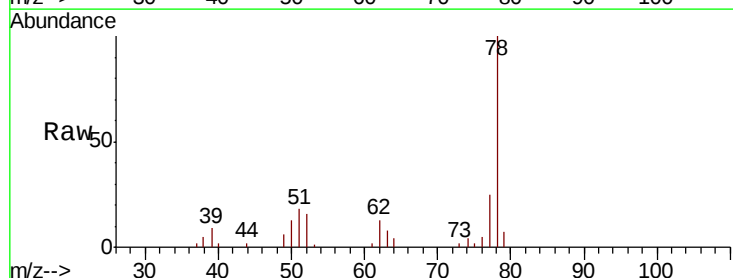
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

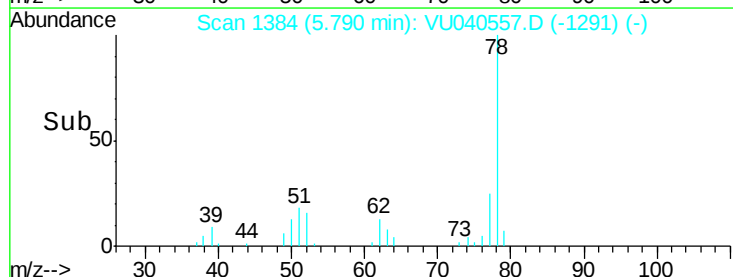
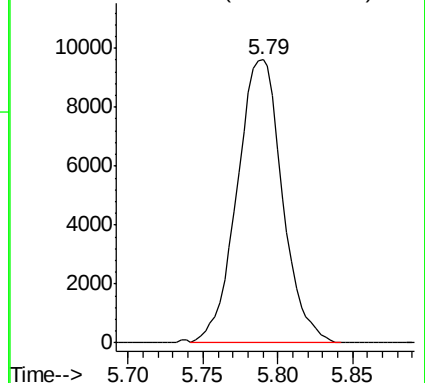
Lab File: VU040557.D

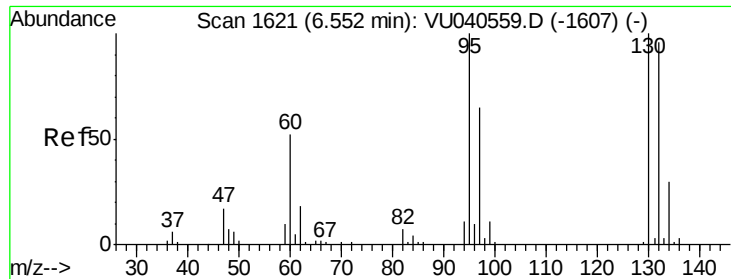
Acq: 08 Oct 2020 12:57

Tgt Ion: 78 Resp: 20262



Abundance Ion 78.10 (77.80 to 78.80): VU0

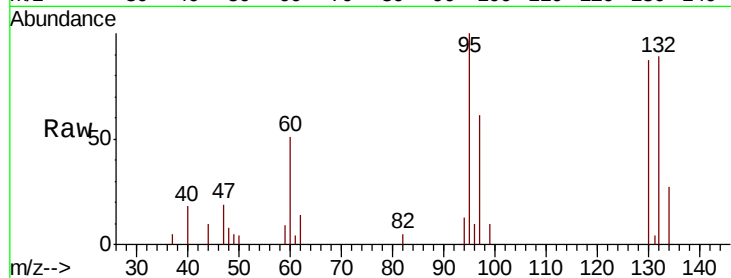




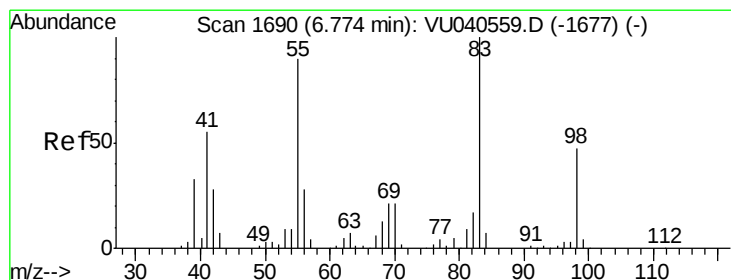
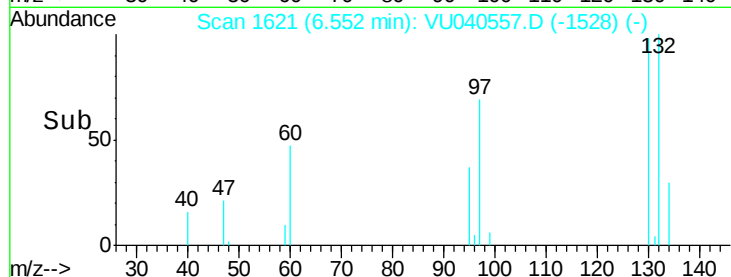
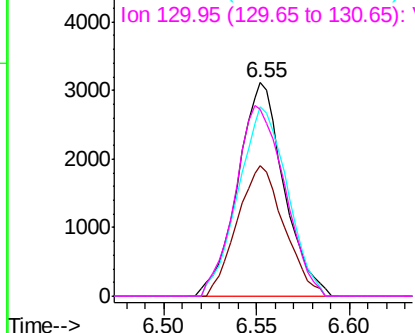
#34
 Trichloroethene
 Concen: 0.440 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU040557.D
 Acq: 08 Oct 2020 12:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.505

Tot Ion: 95 Resp: 5400
 Ion Ratio Lower Upper
 95 100
 97 61.1 45.5 84.5
 132 88.8 67.5 125.4
 130 87.4 69.9 129.9

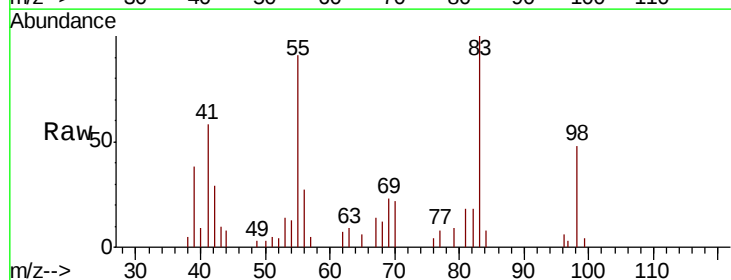


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

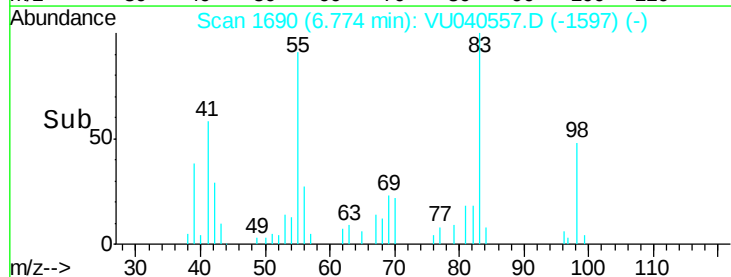
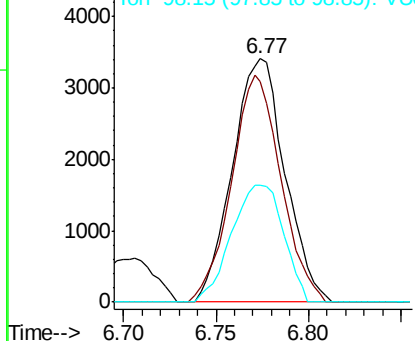


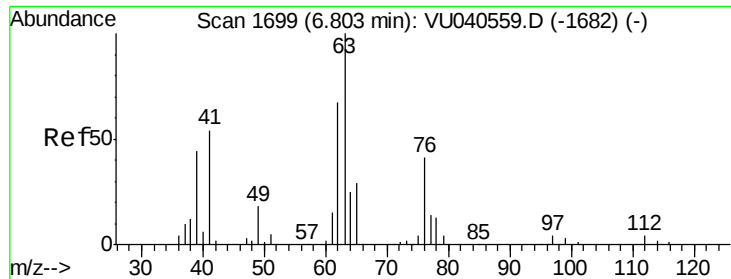
#35
 Methylcyclohexane
 Concen: 0.375 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: VU040557.D
 Acq: 08 Oct 2020 12:57

Tgt Ion: 83 Resp: 6713
 Ion Ratio Lower Upper
 83 100
 55 87.4 70.7 106.1
 98 47.5 38.4 57.6



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

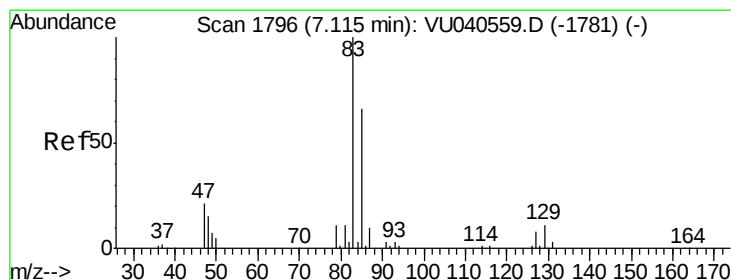
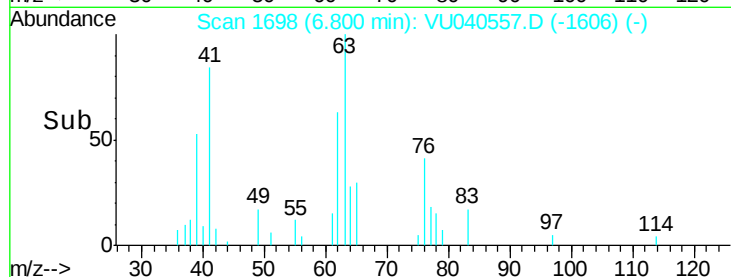
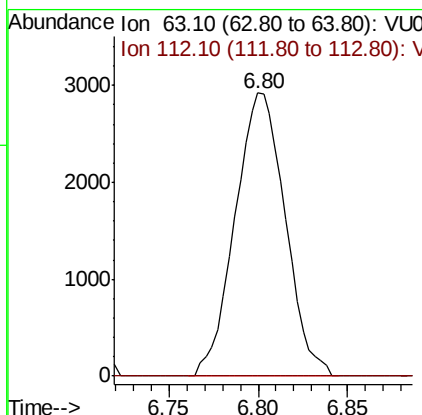
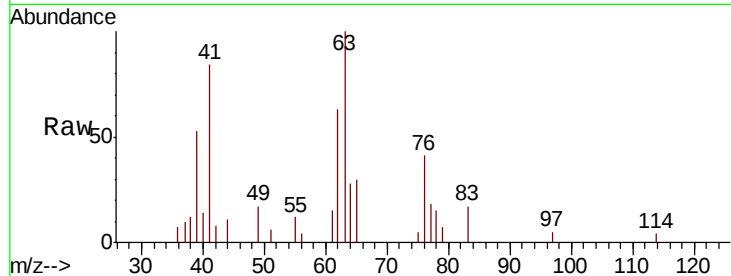




#37
 1,2-Dichloropropane
 Concen: 0.439 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VU040557.D
 Acq: 08 Oct 2020 12:57

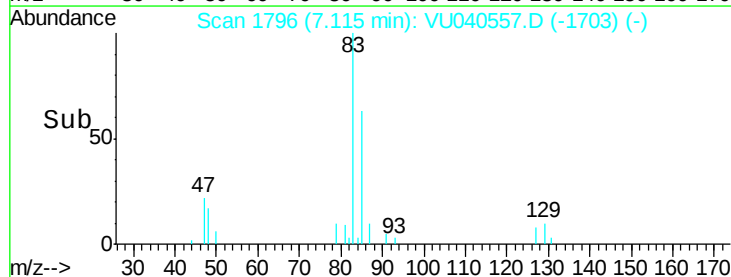
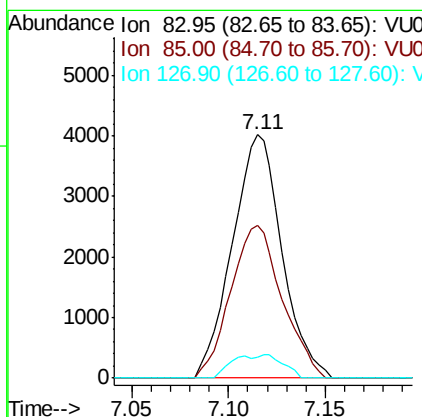
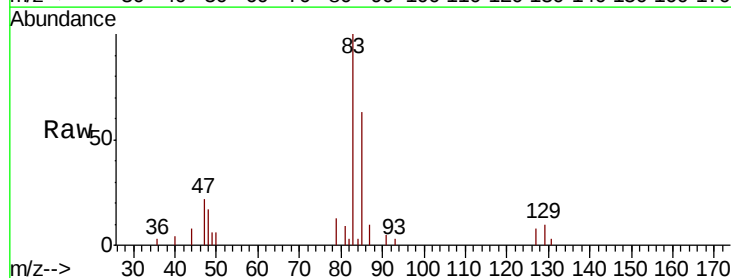
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.505

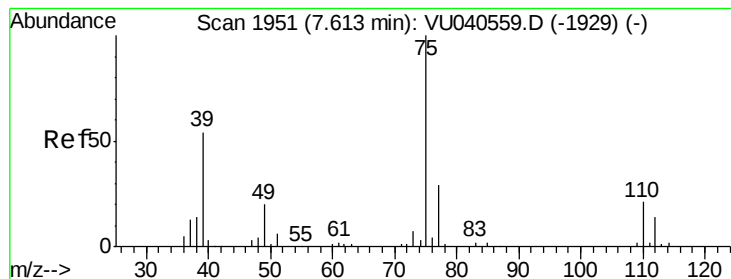
Tot Ion: 63 Resp: 5732
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#38
 Bromodichloromethane
 Concen: 0.446 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VU040557.D
 Acq: 08 Oct 2020 12:57

Tgt Ion: 83 Resp: 7153
 Ion Ratio Lower Upper
 83 100
 85 62.5 46.0 85.4
 127 8.5 6.7 10.1



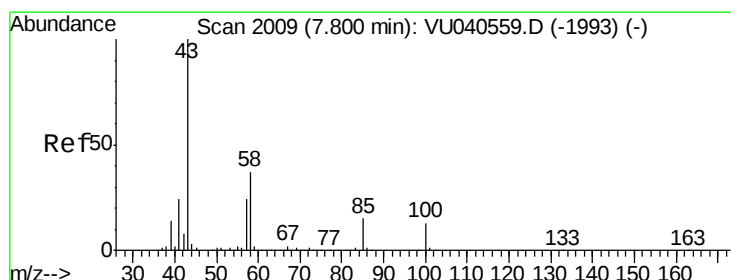
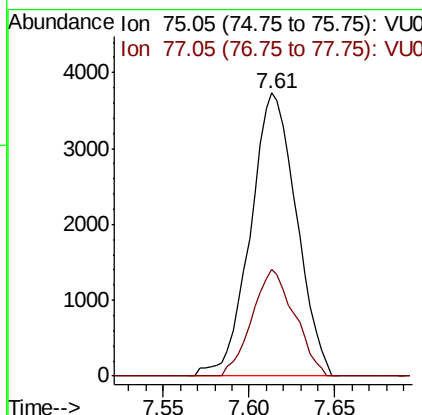
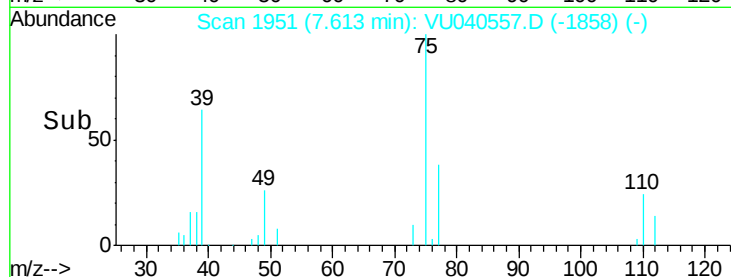
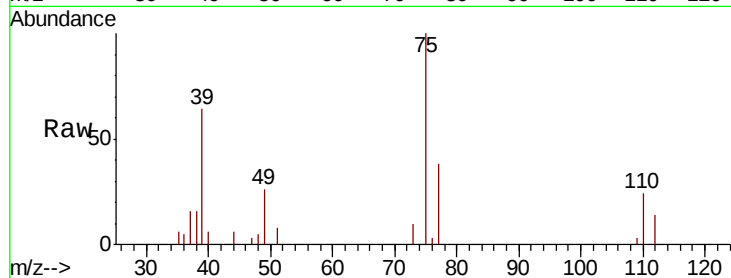


#39

cis-1,3-Dichloropropene
Concen: 0.398 ug/L
RT: 7.61 min Scan# 1951
Delta R.T. 0.00 min
Lab File: VU040557.D
Acq: 08 Oct 2020 12:57

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.505

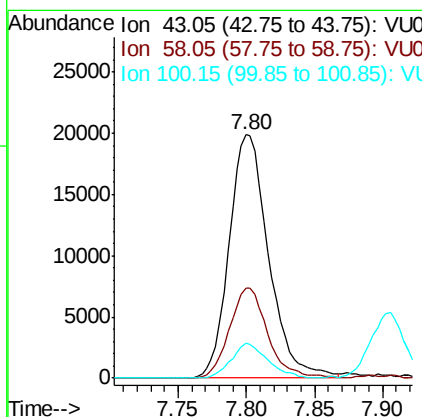
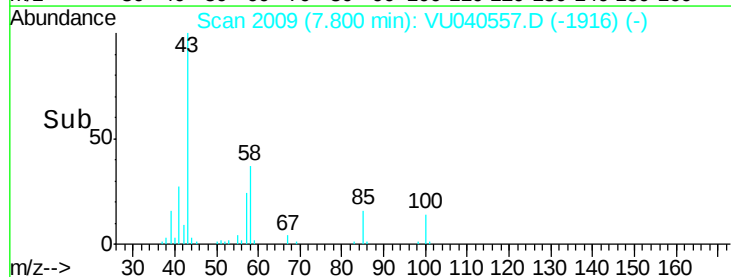
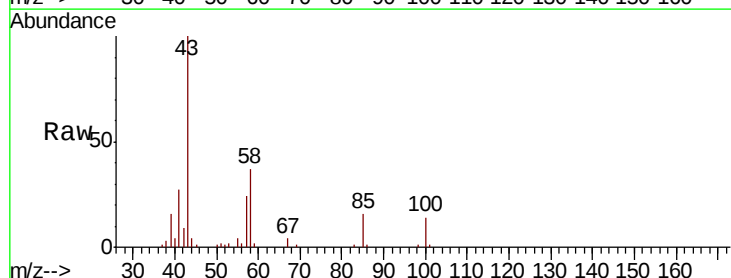
Tot Ion: 75 Resp: 6922
Ion Ratio Lower Upper
75 100
77 37.7 20.5 38.1

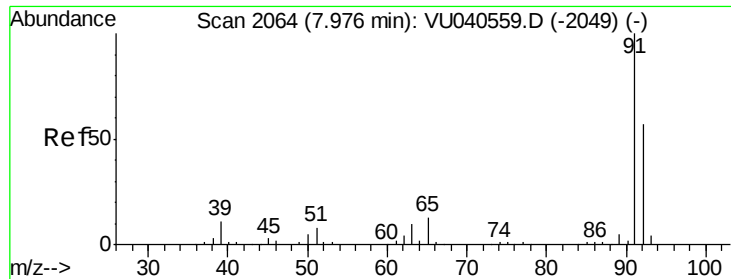


#40

4-Methyl-2-pentanone
Concen: 3.930 ug/L
RT: 7.80 min Scan# 2009
Delta R.T. 0.00 min
Lab File: VU040557.D
Acq: 08 Oct 2020 12:57

Tgt Ion: 43 Resp: 39961
Ion Ratio Lower Upper
43 100
58 35.8 29.7 44.5
100 13.1 10.7 16.1





#42

Toluene

Concen: 0.408 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040557.D

Acq: 08 Oct 2020 12:57

Instrument :

MSVOA_U

ClientSampleId :

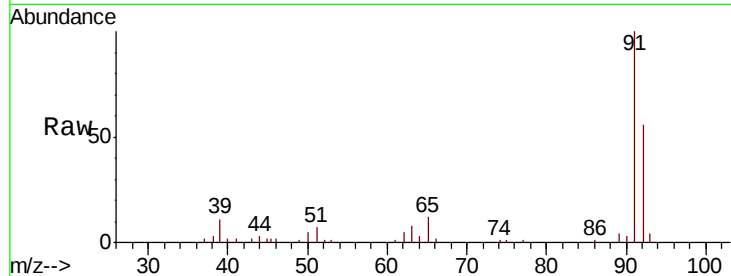
VSTD0.505

Tot Ion: 91 Resp: 19412

Ion Ratio Lower Upper

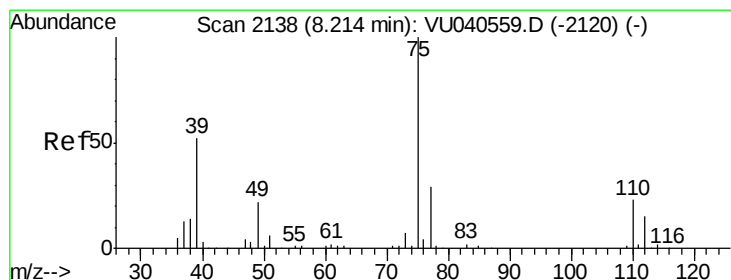
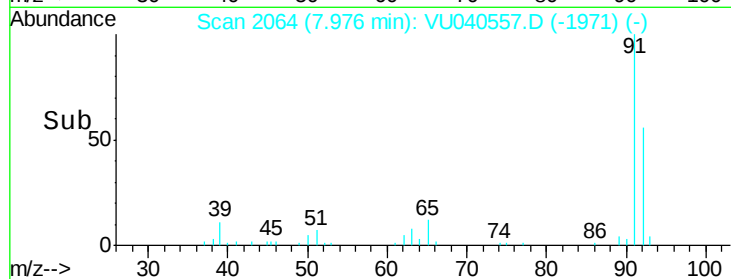
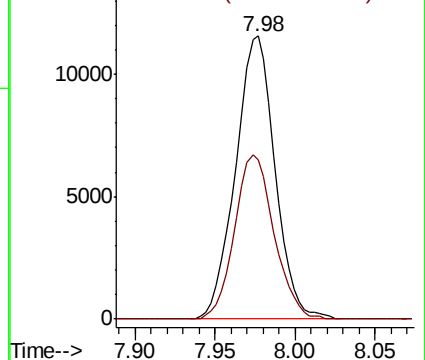
91 100

92 56.2 40.2 74.6



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: 0.400 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU040557.D

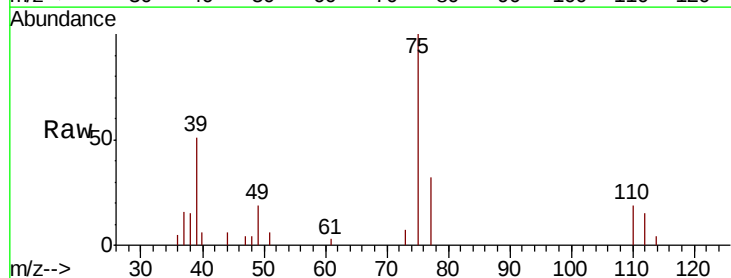
Acq: 08 Oct 2020 12:57

Tgt Ion: 75 Resp: 6464

Ion Ratio Lower Upper

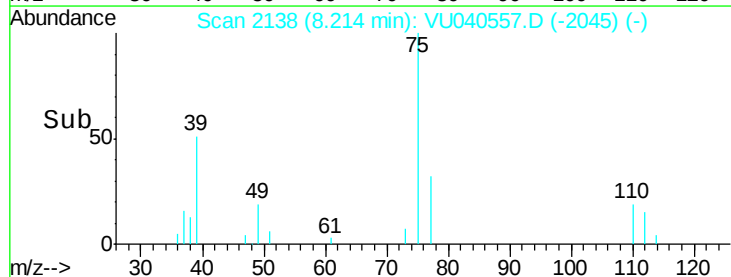
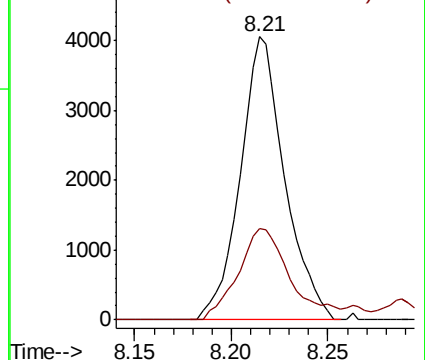
75 100

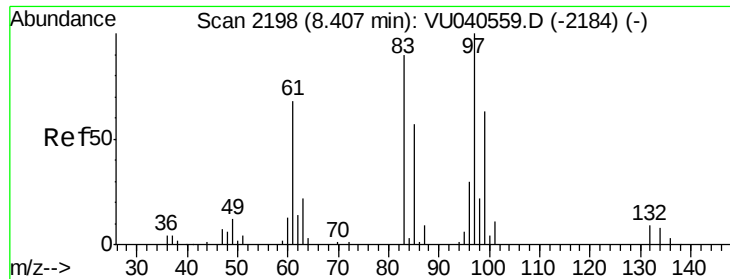
77 32.4 20.4 38.0



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

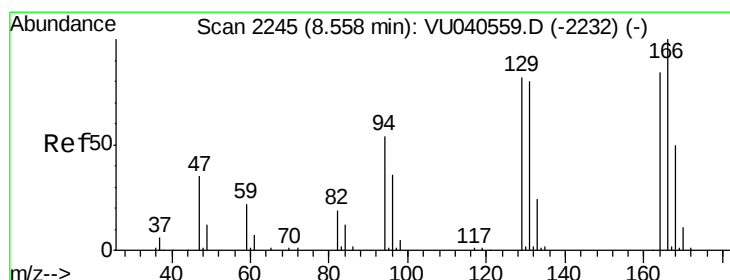
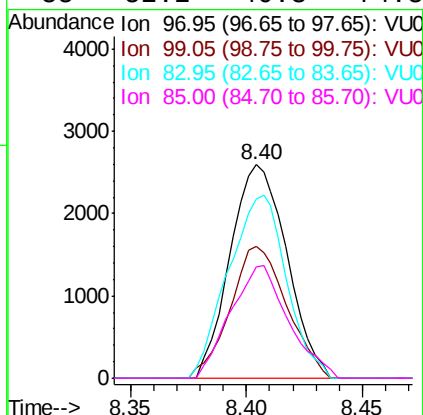
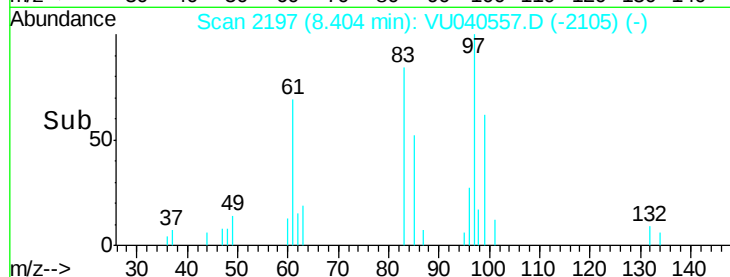
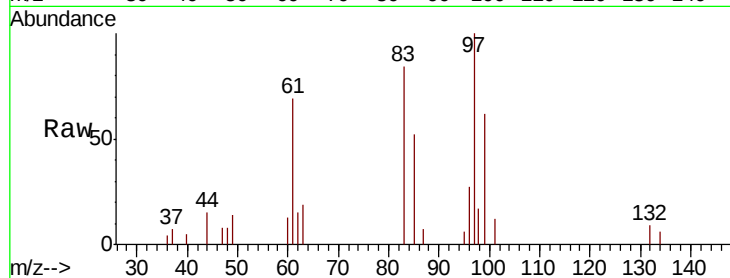




#45
1,1,2-Trichloroethane
Concen: 0.481 ug/L
RT: 8.40 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VU040557.D
Acq: 08 Oct 2020 12:57

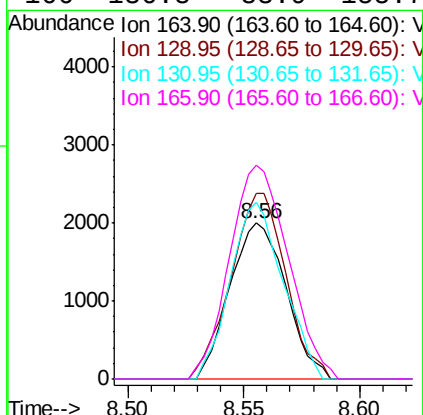
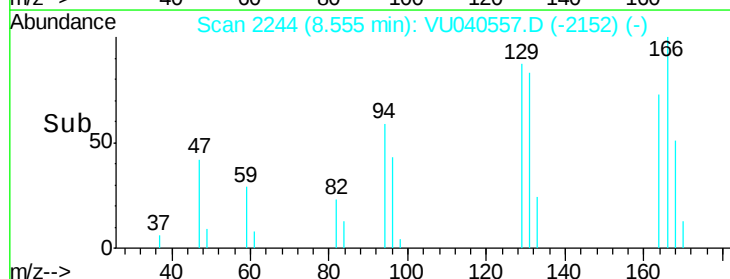
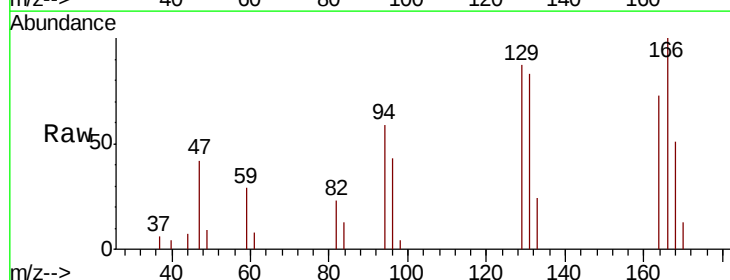
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.505

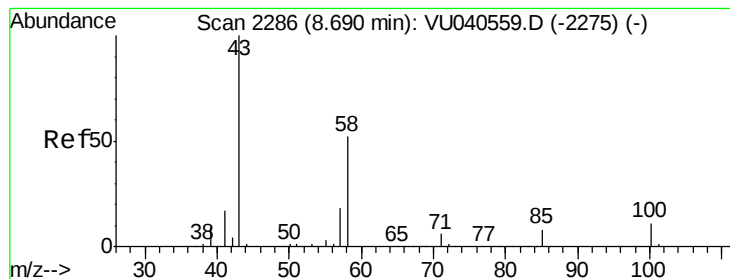
Tot Ion:	97	Resp:	4405
Ion	Ratio	Lower	Upper
97	100		
99	61.7	44.0	81.6
83	84.0	62.9	116.9
85	52.2	40.3	74.8



#47
Tetrachloroethene
Concen: 0.383 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VU040557.D
Acq: 08 Oct 2020 12:57

Tgt Ion:	164	Resp:	3367
Ion	Ratio	Lower	Upper
164	100		
129	119.0	68.8	127.8
131	113.5	66.7	123.9
166	136.8	83.9	155.7





#48

2-Hexanone

Concen: 3.943 ug/L

RT: 8.69 min Scan# 2287

Delta R.T. 0.00 min

Lab File: VU040557.D

Acq: 08 Oct 2020 12:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.505

Tot Ion: 43 Resp: 29737

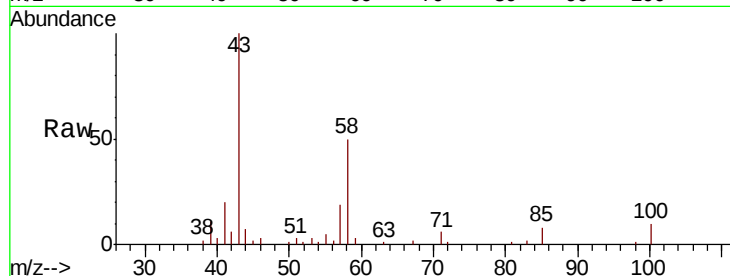
Ion Ratio Lower Upper

43 100

58 51.9 41.0 61.6

57 18.5 14.4 21.6

100 9.6 8.6 13.0

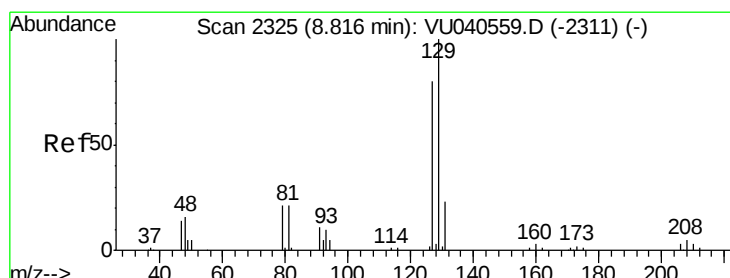
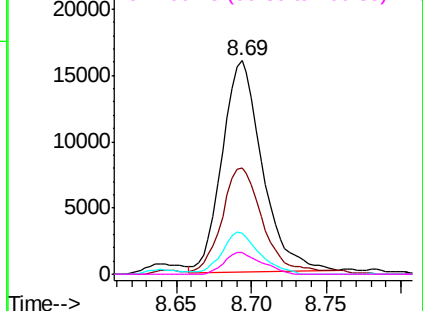
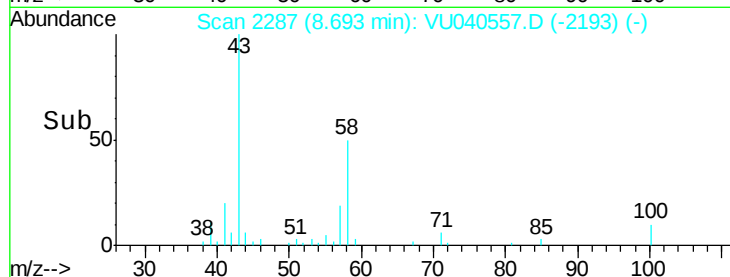


Abundance Ion 43.05 (42.75 to 43.75): VU040557.D (-2193) (-)

Ion 58.05 (57.75 to 58.75): VU040557.D (-2193) (-)

Ion 57.20 (56.90 to 57.90): VU040557.D (-2193) (-)

Ion 100.15 (99.85 to 100.85): VU040557.D (-2193) (-)



#49

Dibromochloromethane

Concen: 0.444 ug/L

RT: 8.81 min Scan# 2324

Delta R.T. -0.00 min

Lab File: VU040557.D

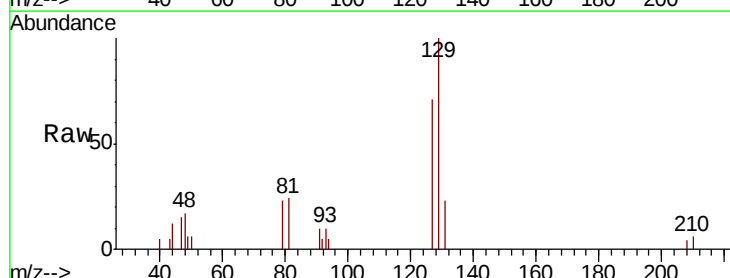
Acq: 08 Oct 2020 12:57

Tgt Ion: 129 Resp: 4757

Ion Ratio Lower Upper

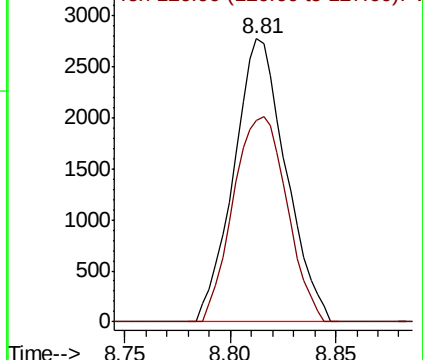
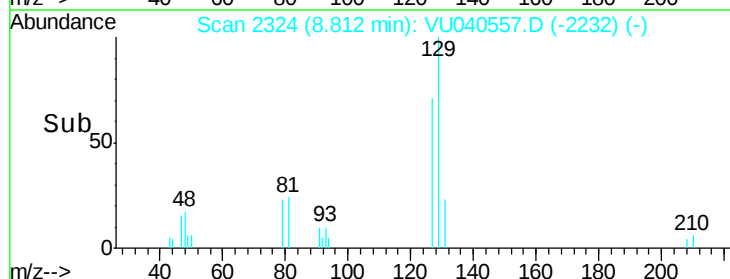
129 100

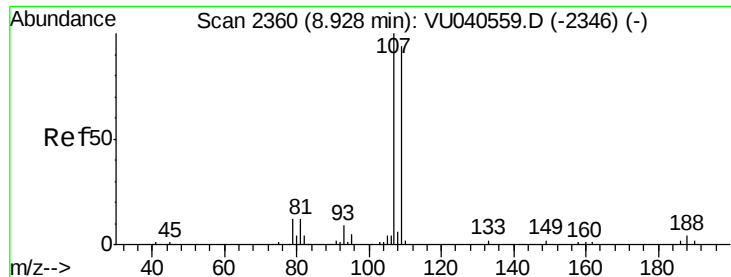
127 71.0 55.8 103.6



Abundance Ion 128.95 (128.65 to 129.65): VU040557.D (-2232) (-)

Ion 126.90 (126.60 to 127.60): VU040557.D (-2232) (-)

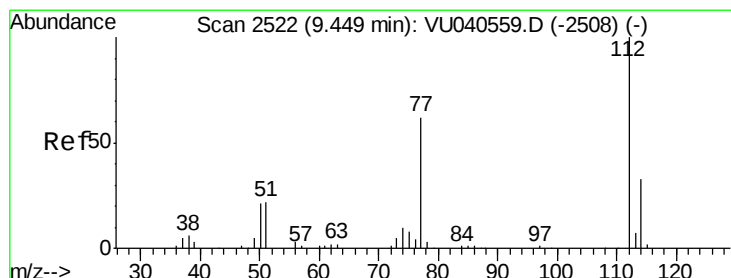
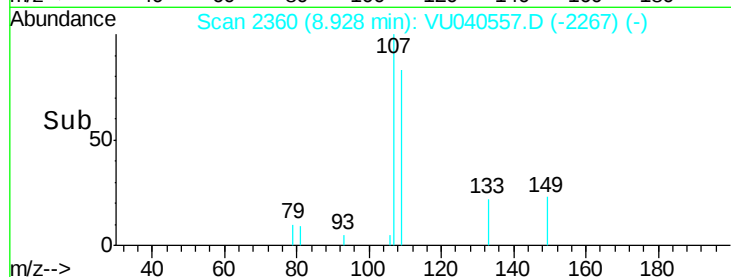
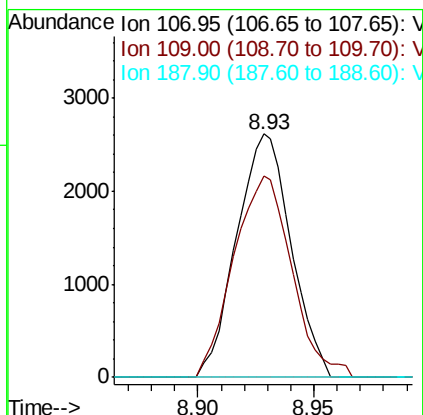
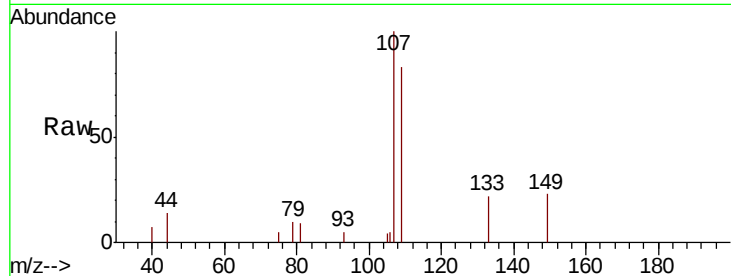




#50
 1,2-Dibromoethane
 Concen: 0.490 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU040557.D
 Acq: 08 Oct 2020 12:57

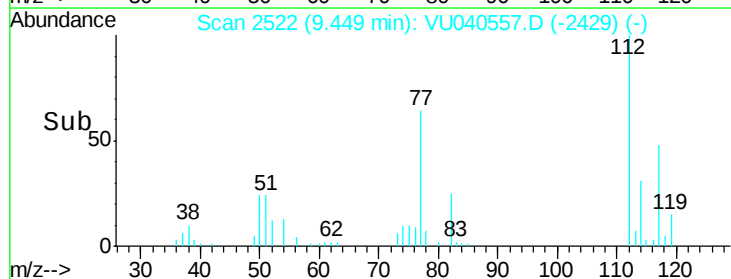
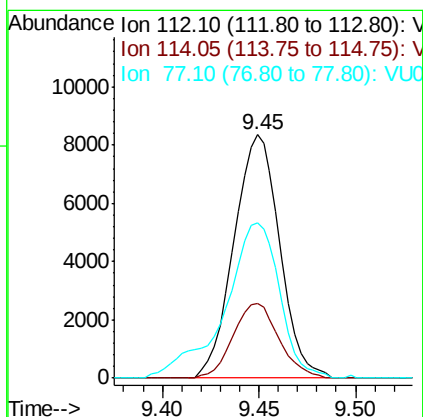
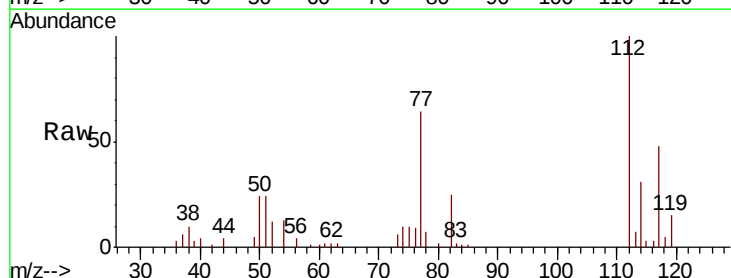
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.505

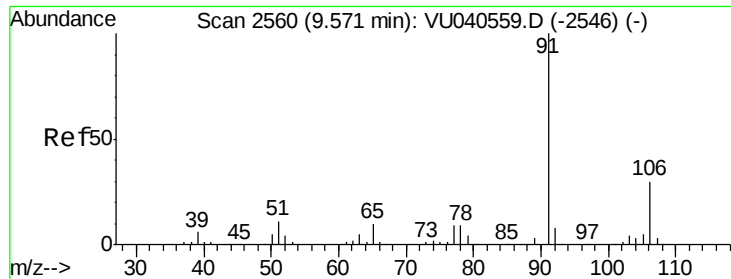
Tot Ion:107 Resp: 4260
 Ion Ratio Lower Upper
 107 100
 109 82.7 65.7 121.9
 188 0.0 3.0 4.4#



#51
 Chlorobenzene
 Concen: 0.446 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU040557.D
 Acq: 08 Oct 2020 12:57

Tgt Ion:112 Resp: 13708
 Ion Ratio Lower Upper
 112 100
 114 30.9 23.1 42.9
 77 63.6 50.3 75.5





#52

Ethylbenzene

Concen: 0.386 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU040557.D

Acq: 08 Oct 2020 12:57

Instrument :

MSVOA_U

ClientSampleId :

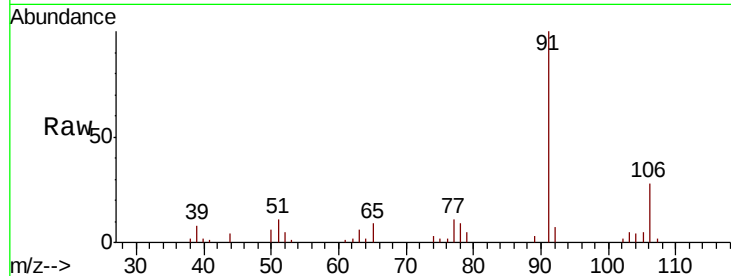
VSTD0.505

Tot Ion: 91 Resp: 19913

Ion Ratio Lower Upper

91 100

106 28.0 20.7 38.5



Abundance Ion 91.15 (90.85 to 91.85): VU040557.D (-2546) (-)

Ion 106.15 (105.85 to 106.85): VU040557.D (-2546) (-)

9.57

15000

10000

5000

0

Time-->

9.50

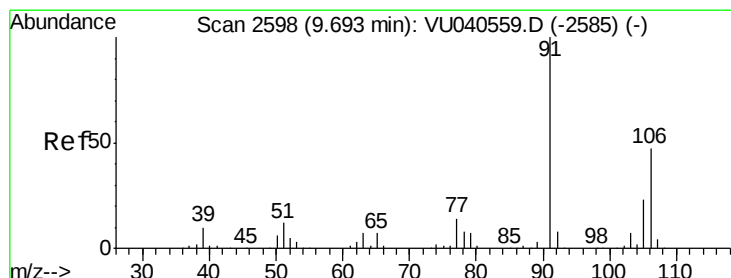
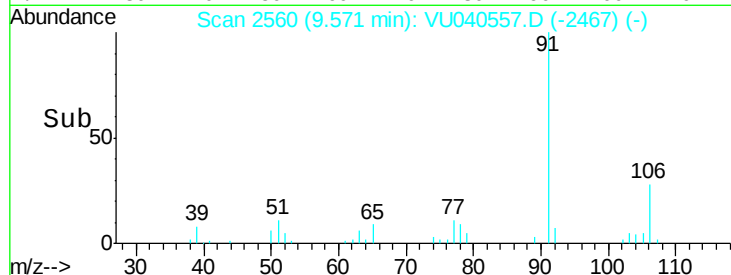
9.55

9.60

9.65

9.70

9.75



#53

m,p-Xylene

Concen: 0.346 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU040557.D

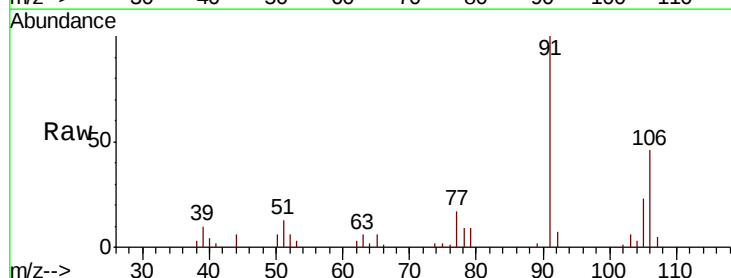
Acq: 08 Oct 2020 12:57

Tgt Ion: 106 Resp: 6642

Ion Ratio Lower Upper

106 100

91 217.8 148.5 275.7



Abundance Ion 106.15 (105.85 to 106.85): VU040557.D (-2598) (-)

Ion 91.15 (90.85 to 91.85): VU040557.D (-2598) (-)

9.70

10000

8000

6000

4000

2000

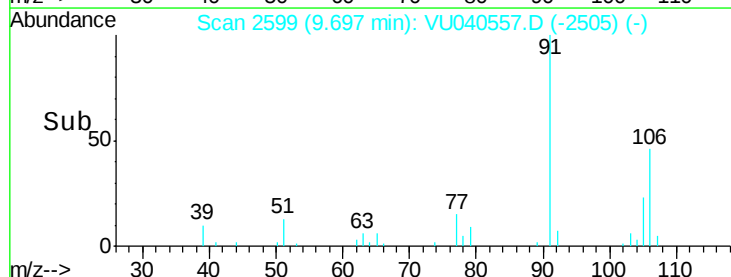
0

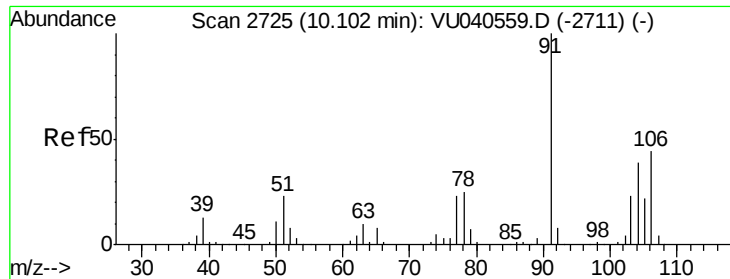
Time-->

9.65

9.70

9.75

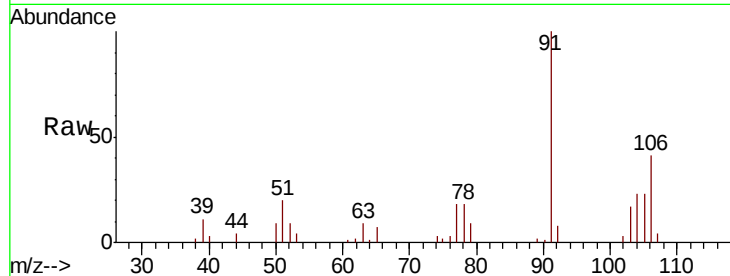




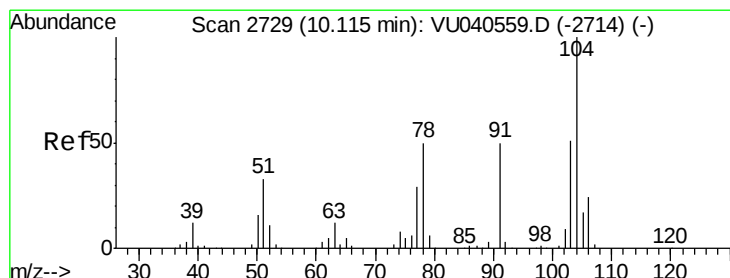
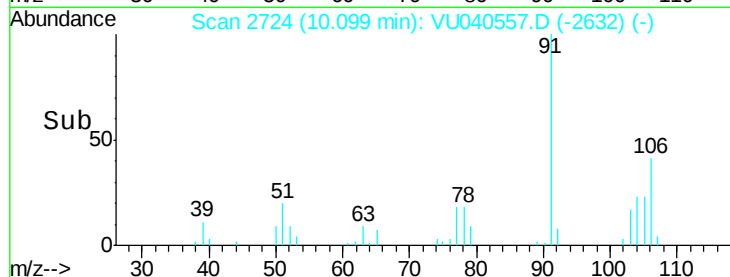
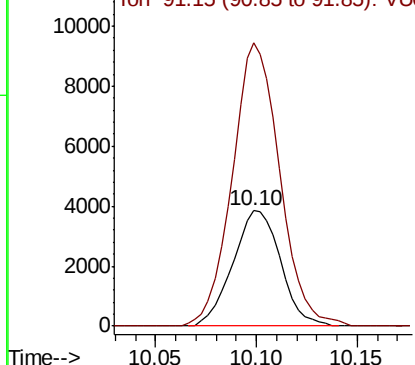
#54
o-Xylene
Concen: 0.354 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU040557.D
Acq: 08 Oct 2020 12:57

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.505

Tot Ion:106 Resp: 6403
Ion Ratio Lower Upper
106 100
91 245.5 160.2 297.4

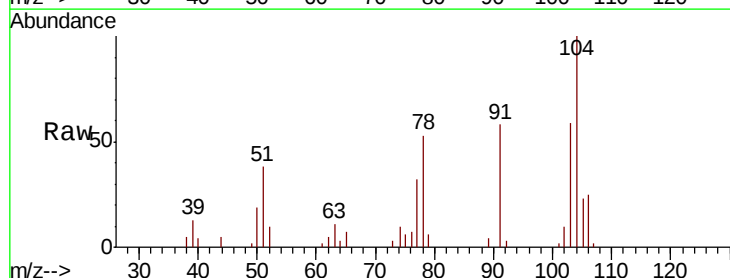


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

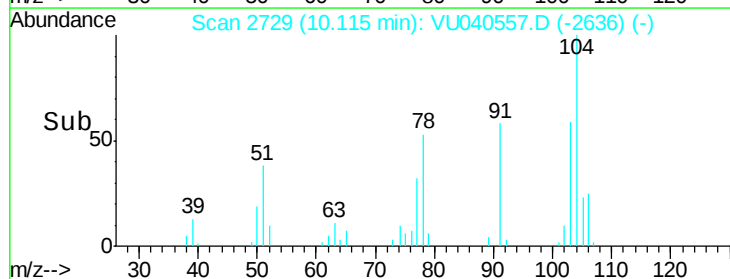
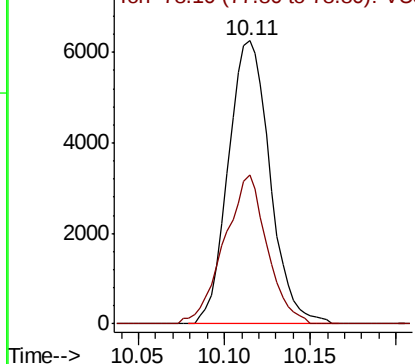


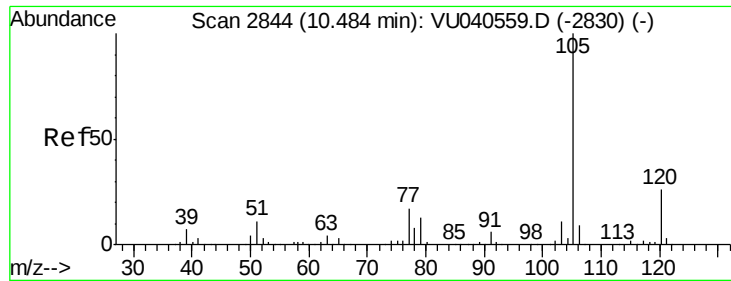
#55
Styrene
Concen: 0.335 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU040557.D
Acq: 08 Oct 2020 12:57

Tgt Ion:104 Resp: 10543
Ion Ratio Lower Upper
104 100
78 52.6 34.6 64.3



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





#56

Isopropylbenzene

Concen: 0.355 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU040557.D

Acq: 08 Oct 2020 12:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.505

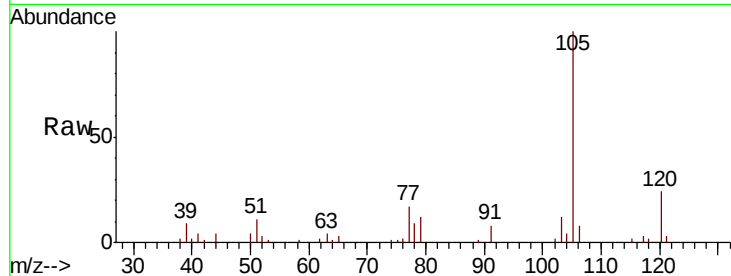
Tot Ion:105 Resp: 17316

Ion Ratio Lower Upper

105 100

120 25.3 20.6 30.8

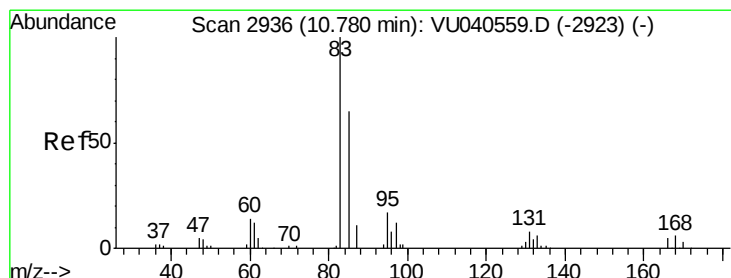
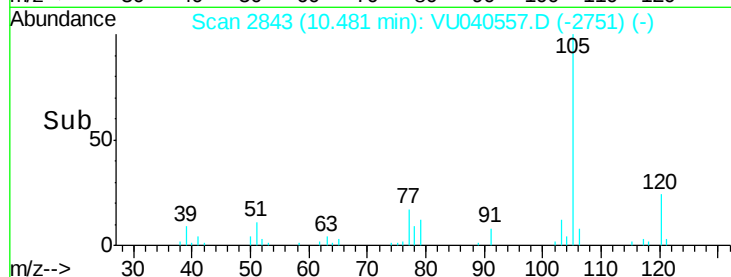
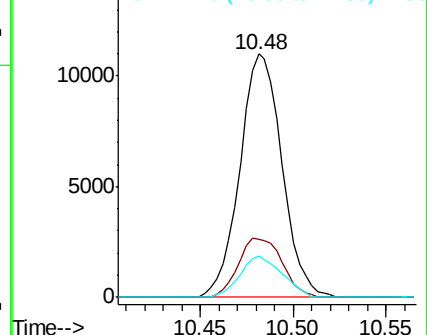
77 16.9 13.8 20.6



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: 0.459 ug/L

RT: 10.78 min Scan# 2937

Delta R.T. 0.00 min

Lab File: VU040557.D

Acq: 08 Oct 2020 12:57

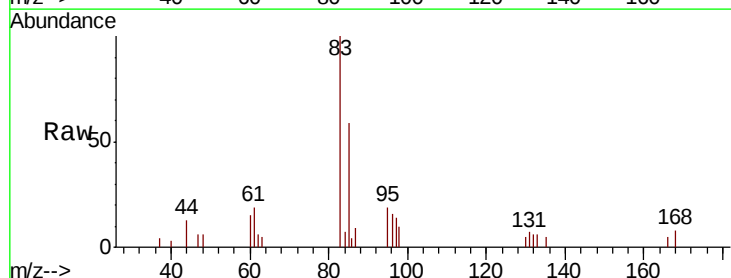
Tgt Ion: 83 Resp: 5653

Ion Ratio Lower Upper

83 100

85 58.8 45.6 84.6

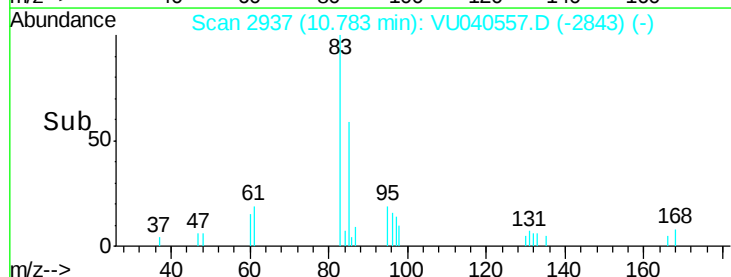
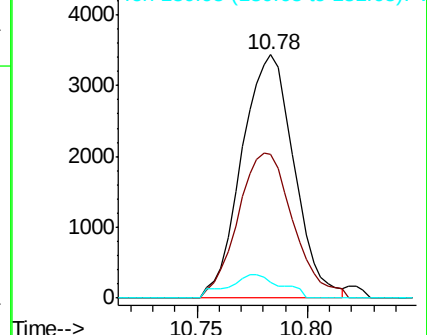
131 6.6 7.1 10.7#

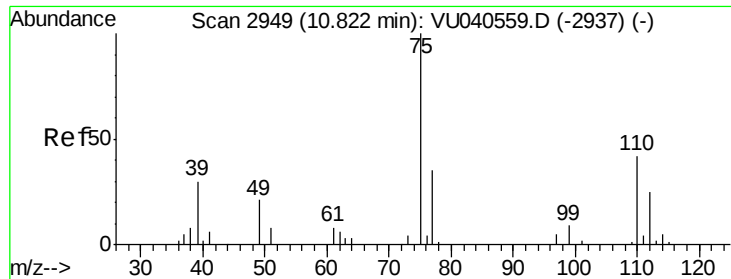


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

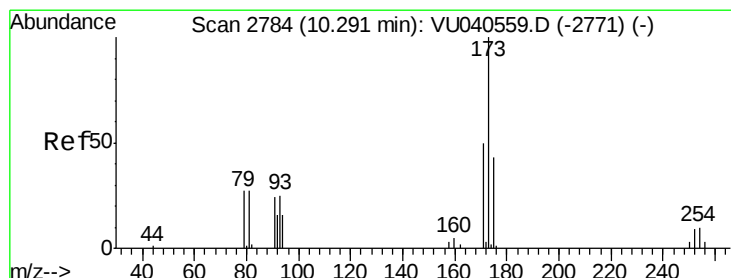
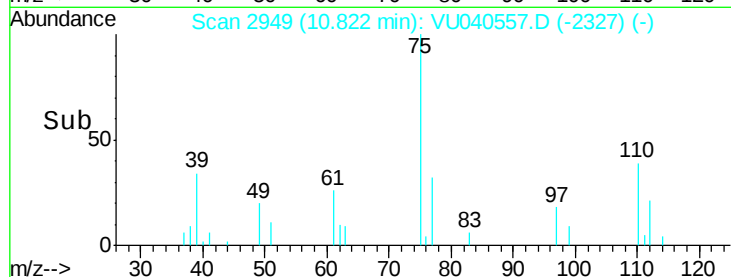
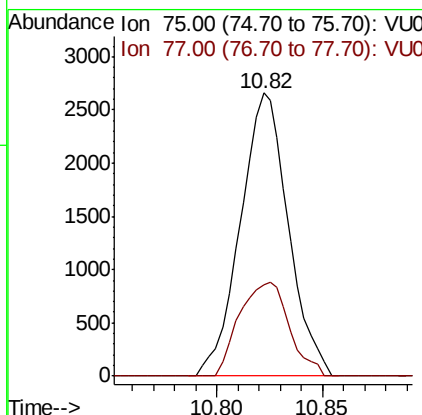
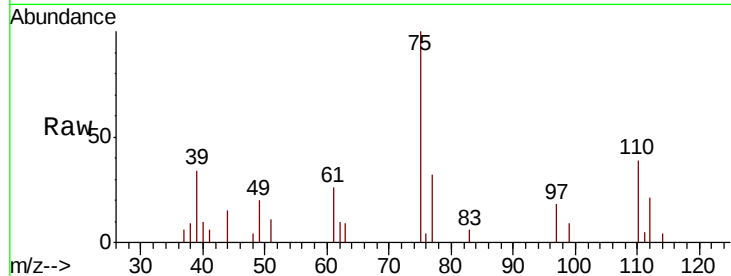




#59
 1,2,3-Trichloropropane
 Concen: 0.448 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. 0.00 min
 Lab File: VU040557.D
 Acq: 08 Oct 2020 12:57

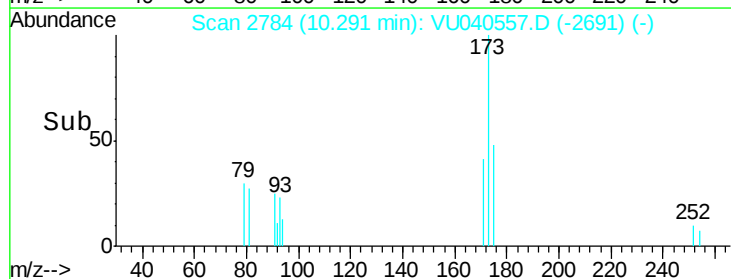
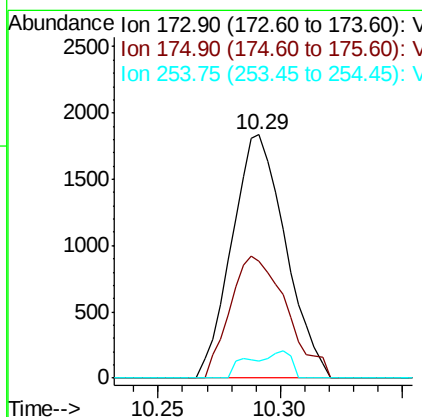
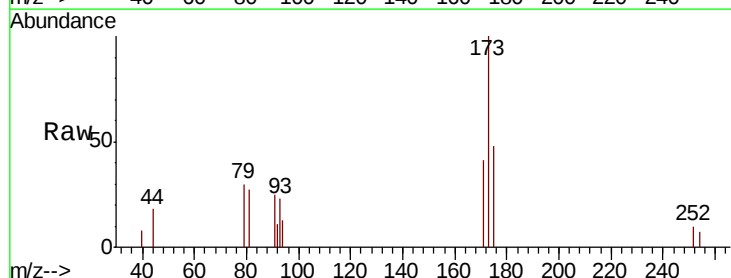
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.505

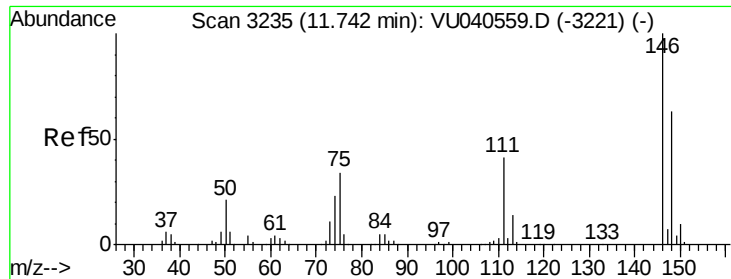
Tot Ion: 75 Resp: 4198
 Ion Ratio Lower Upper
 75 100
 77 34.4 26.4 39.6



#61
 Bromoform
 Concen: 0.496 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: VU040557.D
 Acq: 08 Oct 2020 12:57

Tgt Ion: 173 Resp: 2799
 Ion Ratio Lower Upper
 173 100
 175 52.8 37.4 56.0
 254 3.8 7.4 11.2#

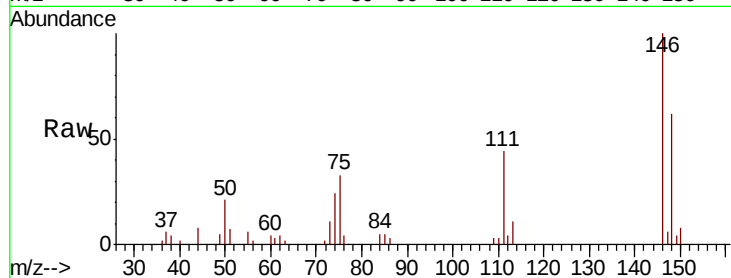




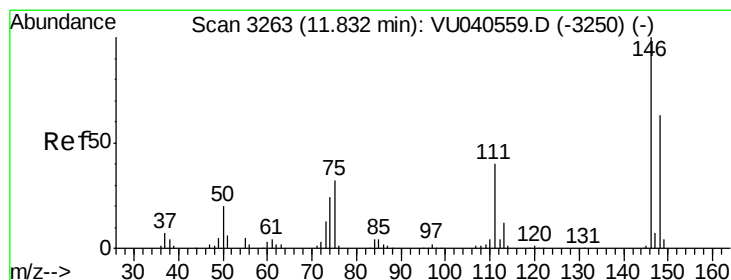
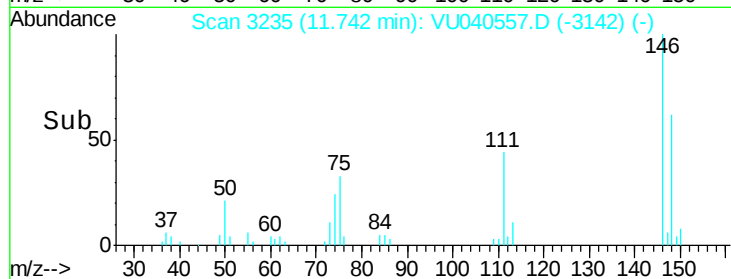
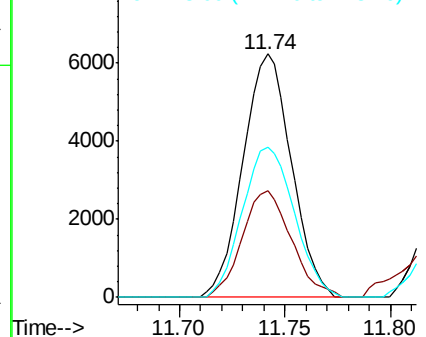
#62
 1,3-Dichlorobenzene
 Concen: 0.448 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU040557.D
 Acq: 08 Oct 2020 12:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.505

Tot Ion:146 Resp: 9948
 Ion Ratio Lower Upper
 146 100
 111 43.6 28.8 53.6
 148 61.7 44.4 82.4

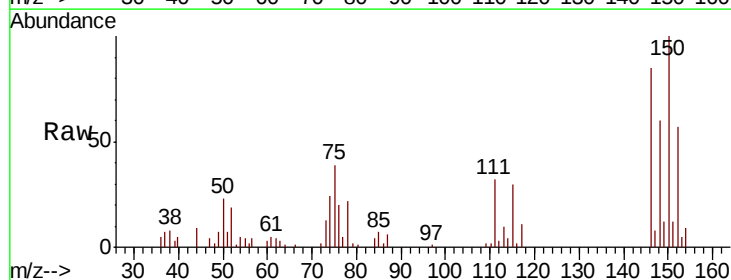


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

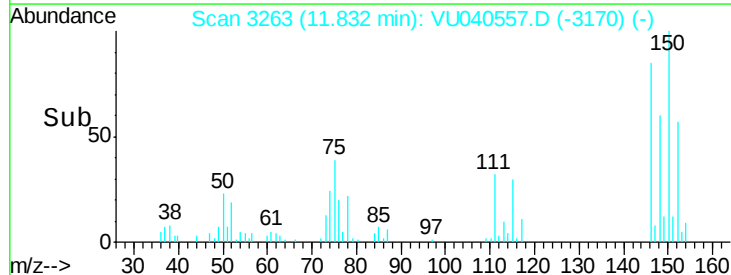
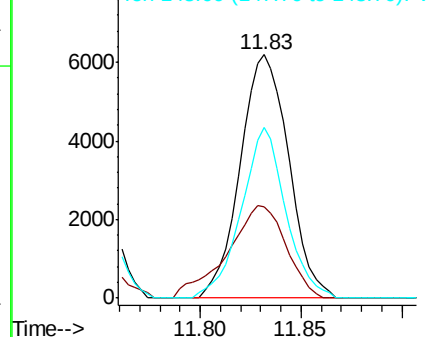


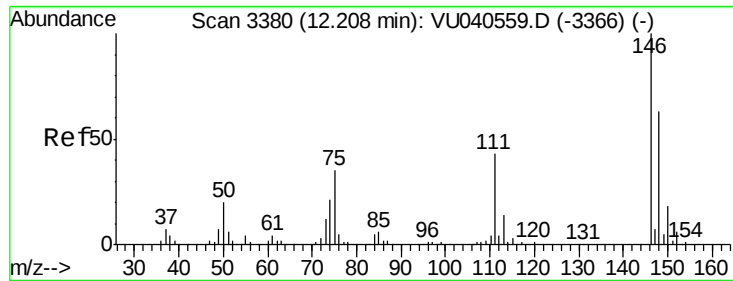
#63
 1,4-Dichlorobenzene
 Concen: 0.451 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU040557.D
 Acq: 08 Oct 2020 12:57

Tgt Ion:146 Resp: 10428
 Ion Ratio Lower Upper
 146 100
 111 37.7 28.4 52.8
 148 70.2 44.0 81.6



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

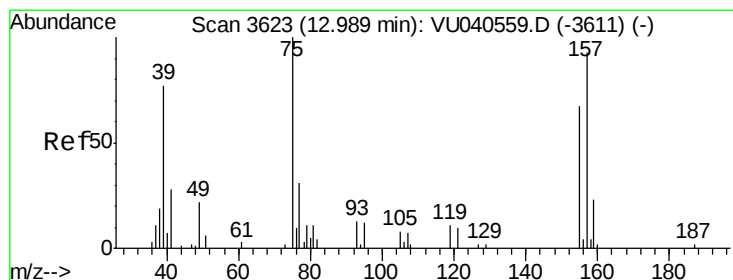
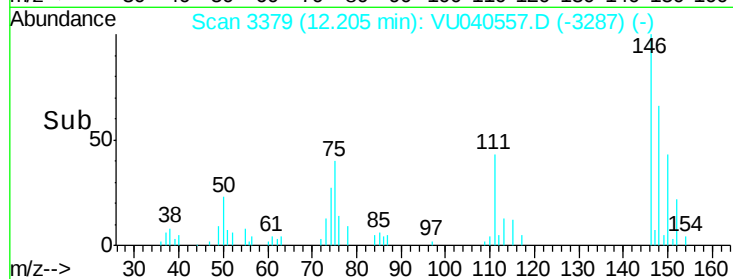
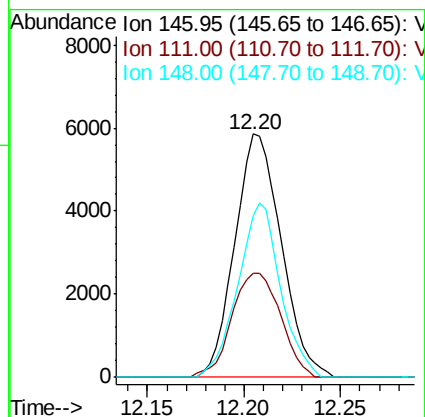
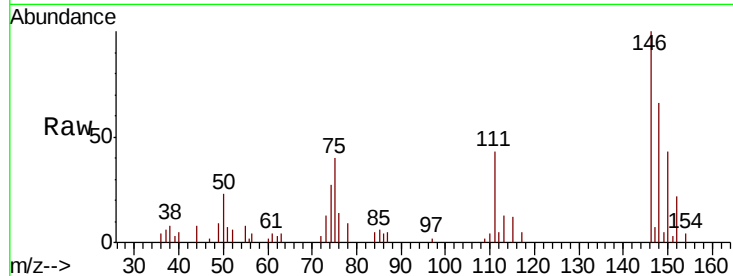




#65
 1,2-Dichlorobenzene
 Concen: 0.453 ug/L
 RT: 12.20 min Scan# 3379
 Delta R.T. -0.00 min
 Lab File: VU040557.D
 Acq: 08 Oct 2020 12:57

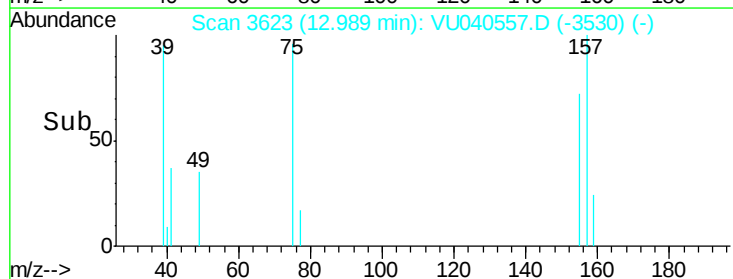
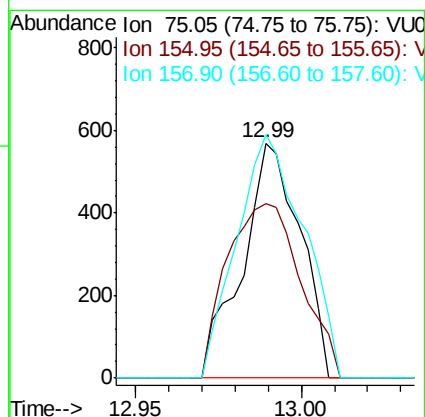
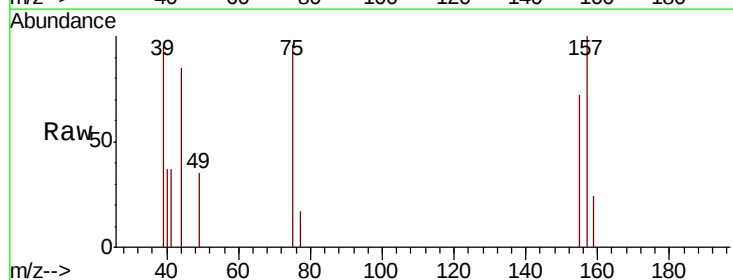
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.505

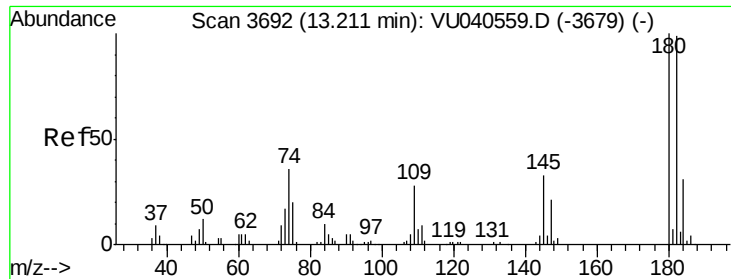
Tot Ion:146 Resp: 9793
 Ion Ratio Lower Upper
 146 100
 111 42.9 34.4 51.6
 148 66.4 50.0 75.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.352 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU040557.D
 Acq: 08 Oct 2020 12:57

Tgt Ion: 75 Resp: 690
 Ion Ratio Lower Upper
 75 100
 155 74.5 53.8 80.6
 157 103.7 74.6 112.0

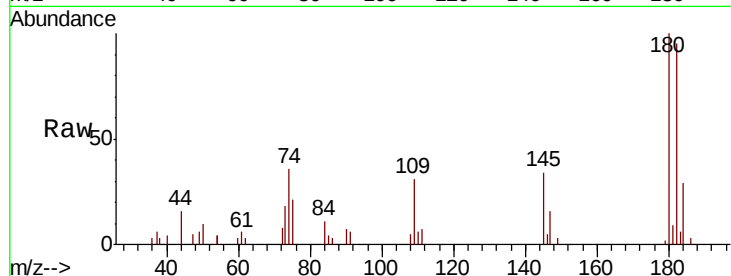




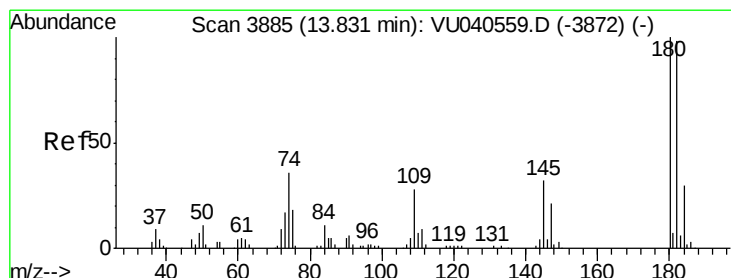
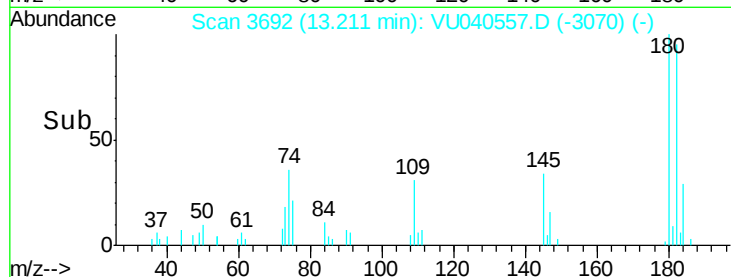
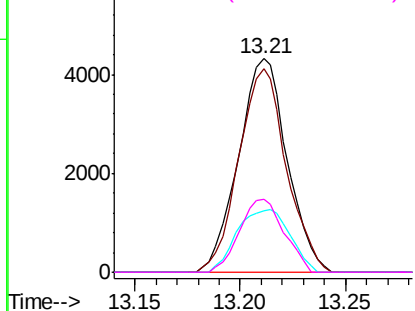
#67
 1,3,5-Trichlorobenzene
 Concen: 0.435 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU040557.D
 Acq: 08 Oct 2020 12:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.505

Tot Ion:180 Resp: 6908
 Ion Ratio Lower Upper
 180 100
 182 93.2 77.0 115.4
 184 31.8 24.5 36.7
 145 31.2 25.9 38.9

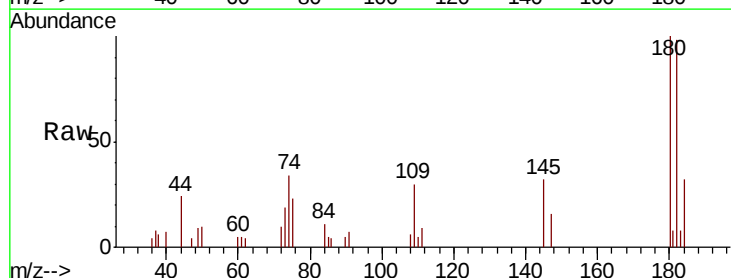


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

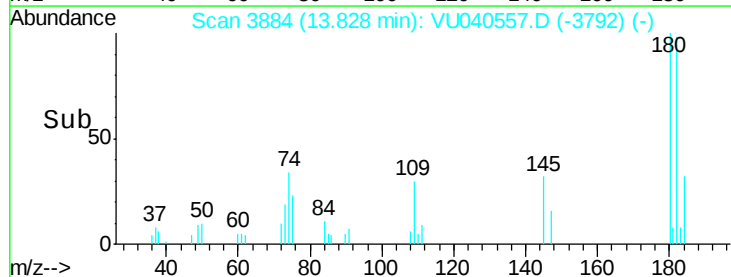
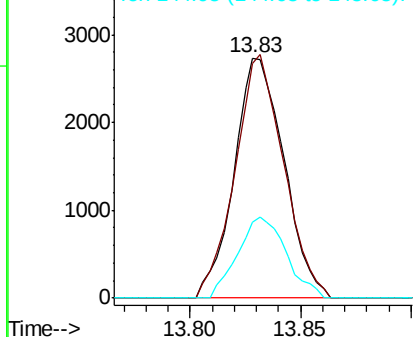


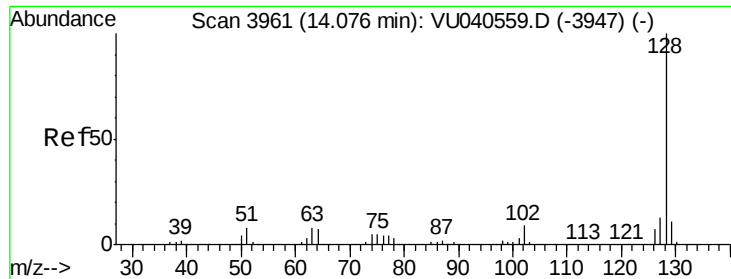
#68
 1,2,4-trichlorobenzene
 Concen: 0.340 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU040557.D
 Acq: 08 Oct 2020 12:57

Tgt Ion:180 Resp: 4306
 Ion Ratio Lower Upper
 180 100
 182 98.5 78.8 118.2
 145 32.8 26.1 39.1



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: 0.212 ug/L

RT: 14.07 min Scan# 3960

Delta R.T. -0.00 min

Lab File: VU040557.D

Acq: 08 Oct 2020 12:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.505

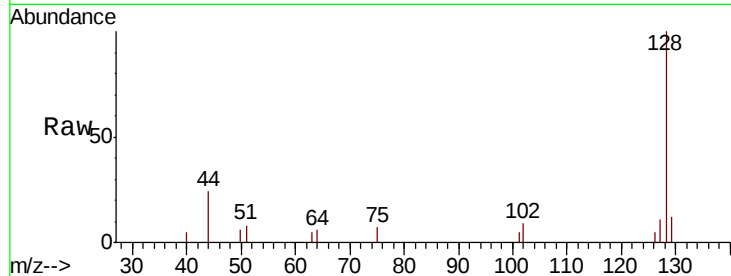
Tot Ion:128 Resp: 4548

Ion Ratio Lower Upper

128 100

129 7.6 9.0 13.4#

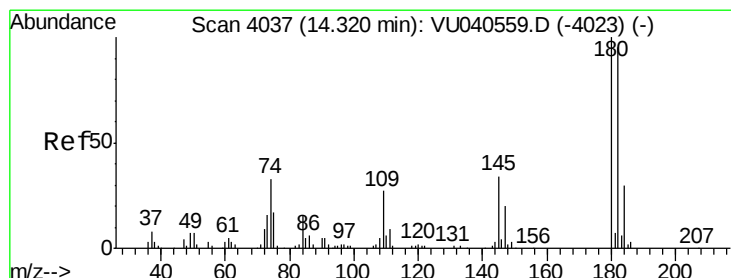
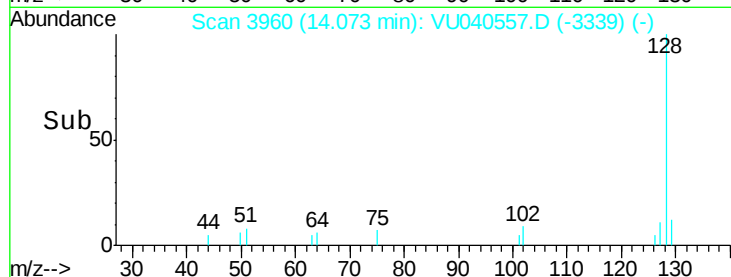
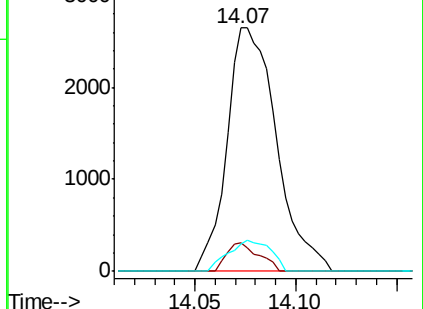
127 10.9 10.2 15.4



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: 0.341 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. 0.00 min

Lab File: VU040557.D

Acq: 08 Oct 2020 12:57

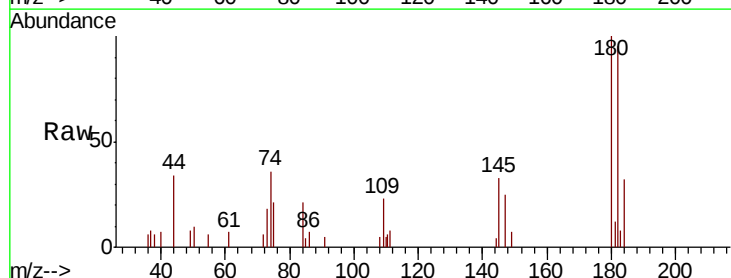
Tgt Ion:180 Resp: 3986

Ion Ratio Lower Upper

180 100

182 94.0 75.8 113.8

145 28.8 27.4 41.2



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

