

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111620\
 Data File : VU041234.D
 Acq On : 16 Nov 2020 08:37
 Operator : SY/MD
 Sample : VSTD0.502
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

Quant Time: Nov 16 10:18:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Nov 16 10:17:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	65161	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	69397	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	33425	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	2439	0.45	ug/L	0.00
7) Chloroethane-d5	1.92	69	2280	0.54	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	5221	0.49	ug/L	0.00
20) 2-Butanone-d5	4.66	46	10010	5.55	ug/L	0.00
24) Chloroform-d	5.08	84	5173	0.53	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	3586	0.60	ug/L	0.00
32) Benzene-d6	5.74	84	8453	0.46	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	3031	0.50	ug/L	0.00
41) Toluene-d8	7.90	98	7544	0.45	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	1222	0.47	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	5837	4.14	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.75	84	3061	0.55	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.19	152	3534	0.60	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	2139	0.360 ug/L	94
3) Chloromethane	1.53	50	2649	0.427 ug/L	92
5) Vinyl chloride	1.61	62	2497	0.408 ug/L	96
6) Bromomethane	1.87	94	1447	0.413 ug/L	95
8) Chloroethane	1.94	64	1451	0.374 ug/L	91
9) Trichlorofluoromethane	2.15	101	3396	0.408 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	1856	0.381 ug/L	96
12) 1,1-Dichloroethene	2.59	96	1614	0.351 ug/L #	67
13) Acetone	2.67	43	5596	4.540 ug/L	96
14) Carbon disulfide	2.81	76	5111	0.332 ug/L	95
15) Methyl Acetate	2.97	43	1216	0.431 ug/L #	61
16) Methylene chloride	3.06	84	2782	0.519 ug/L	97
17) Methyl tert-butyl Ether	3.38	73	4222	0.356 ug/L	97
18) trans-1,2-Dichloroethene	3.37	96	1689	0.361 ug/L	88
19) 1,1-Dichloroethane	3.89	63	3755	0.402 ug/L	90
21) 2-Butanone	4.74	43	7186	3.731 ug/L	95
22) cis-1,2-Dichloroethene	4.69	96	1866	0.387 ug/L	97
23) Bromochloromethane	4.99	128	818	0.359 ug/L #	85
25) Chloroform	5.11	83	4252	0.453 ug/L	99
27) 1,2-Dichloroethane	5.81	62	2962	0.424 ug/L #	93
29) 1,1,1-Trichloroethane	5.33	97	3387	0.399 ug/L	95
30) Cyclohexane	5.40	56	2393	0.286 ug/L #	91
31) Carbon tetrachloride	5.54	117	2922	0.389 ug/L	98
33) Benzene	5.79	78	7615	0.367 ug/L	100
34) Trichloroethene	6.55	95	1844	0.349 ug/L	89
35) Methylcyclohexane	6.78	83	2308	0.293 ug/L	95
37) 1,2-Dichloropropane	6.80	63	2135	0.381 ug/L #	86
38) Bromodichloromethane	7.11	83	2921	0.401 ug/L #	95
39) cis-1,3-Dichloropropene	7.62	75	2714	0.351 ug/L	95
40) 4-Methyl-2-pentanone	7.80	43	14787	3.305 ug/L	96

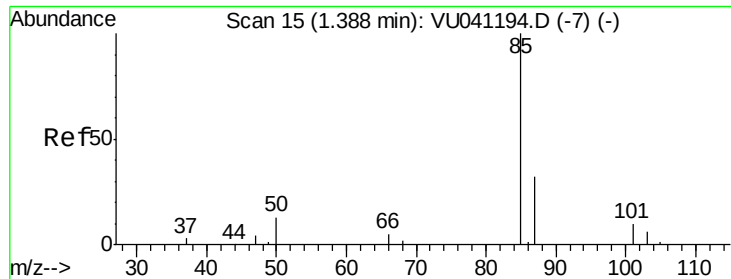
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111620\
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 QLast Update : Mon Nov 16 10:17:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.97	91	6563	0.312	ug/L	92
44) trans-1,3-Dichloropropene	8.21	75	2572	0.356	ug/L #	76
45) 1,1,2-Trichloroethane	8.40	97	1655	0.396	ug/L	90
47) Tetrachloroethene	8.56	164	1435	0.370	ug/L	76
48) 2-Hexanone	8.69	43	10203	3.029	ug/L #	94
49) Dibromochloromethane	8.81	129	2226	0.459	ug/L	86
50) 1,2-Dibromoethane	8.92	107	1565	0.393	ug/L #	80
51) Chlorobenzene	9.45	112	4893	0.367	ug/L	93
52) Ethylbenzene	9.57	91	6998	0.316	ug/L	99
53) m,p-Xylene	9.69	106	2502	0.310	ug/L	87
54) o-Xylene	10.10	106	2327	0.310	ug/L	85
55) Styrene	10.11	104	3980	0.297	ug/L	98
56) Isopropylbenzene	10.48	105	6028	0.298	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.78	83	2282	0.416	ug/L	95
59) 1,2,3-Trichloropropane	10.82	75	1550	0.371	ug/L	99
61) Bromoform	10.29	173	1098	0.426	ug/L #	84
62) 1,3-Dichlorobenzene	11.74	146	3422	0.355	ug/L	99
63) 1,4-Dichlorobenzene	11.83	146	3897	0.390	ug/L	96
65) 1,2-Dichlorobenzene	12.20	146	3736	0.392	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.99	75	367	0.393	ug/L #	69
67) 1,3,5-Trichlorobenzene	13.21	180	2690	0.399	ug/L	97
68) 1,2,4-trichlorobenzene	13.83	180	1808	0.323	ug/L #	95
69) Naphthalene	14.08	128	2024	0.202	ug/L #	93
70) 1,2,3-Trichlorobenzene	14.32	180	1537	0.298	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 0.360 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041234.D

Acq: 16 Nov 2020 08:37

Instrument :

MSVOA_U

ClientSampleId :

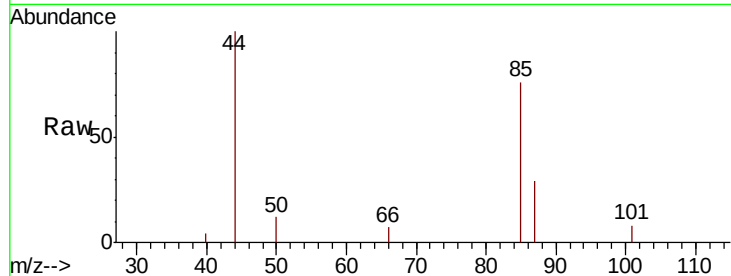
VSTD0.502

Tot Ion: 85 Resp: 2139

Ion Ratio Lower Upper

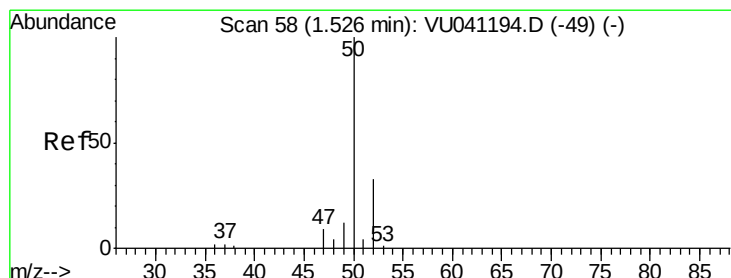
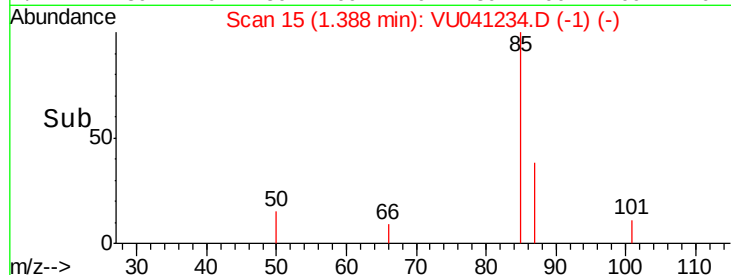
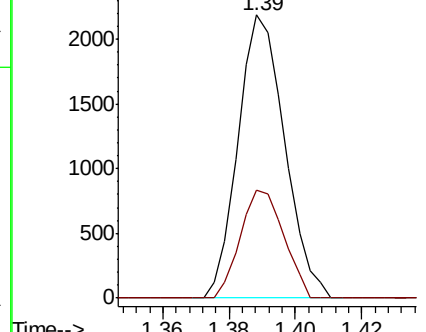
85 100

87 35.5 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU041194.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU041194.D (-7) (-)



#3

Chloromethane

Concen: 0.427 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU041234.D

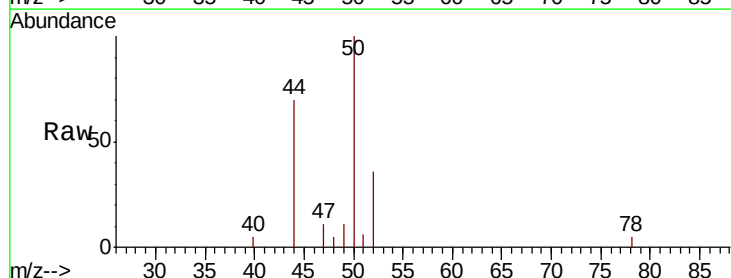
Acq: 16 Nov 2020 08:37

Tgt Ion: 50 Resp: 2649

Ion Ratio Lower Upper

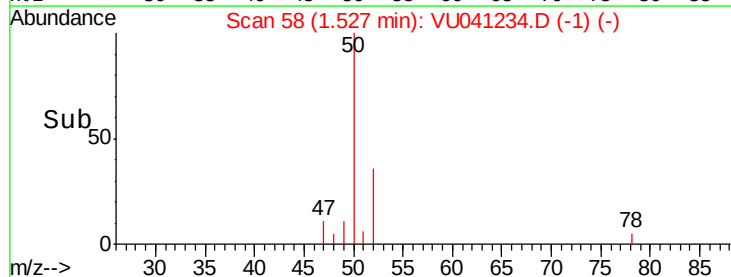
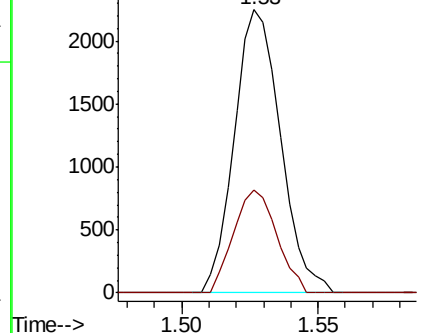
50 100

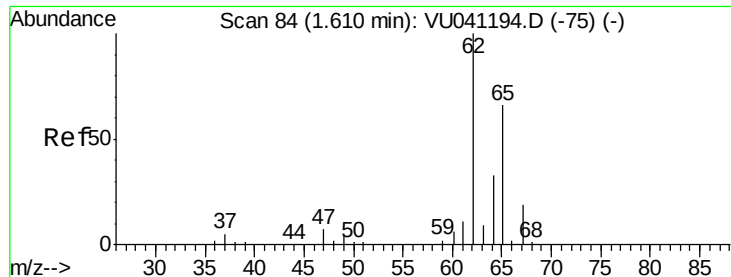
52 36.4 22.4 41.6



Abundance Ion 50.05 (49.75 to 50.75): VU041194.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU041194.D (-49) (-)





#5

Vinyl chloride

Concen: 0.408 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041234.D

Acq: 16 Nov 2020 08:37

Instrument :

MSVOA_U

ClientSampleId :

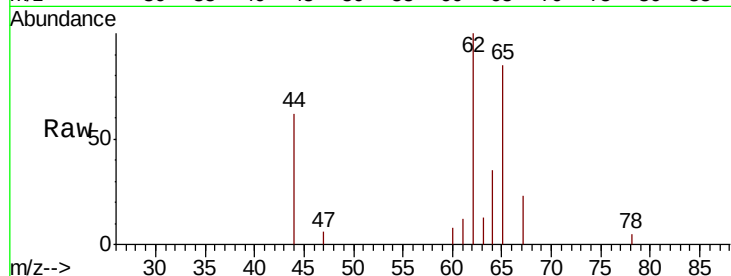
VSTD0.502

Tot Ion: 62 Resp: 2497

Ion Ratio Lower Upper

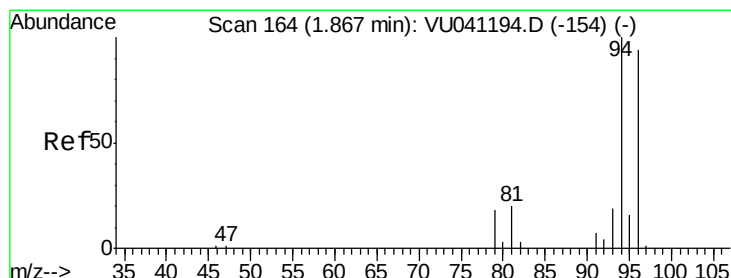
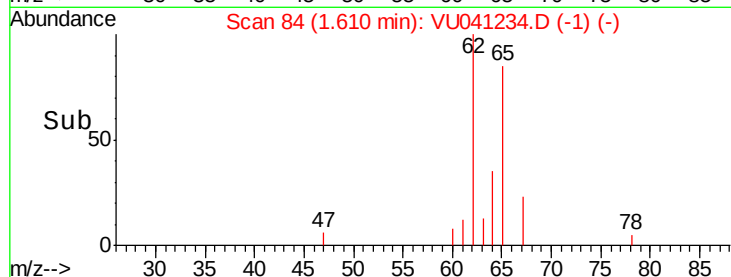
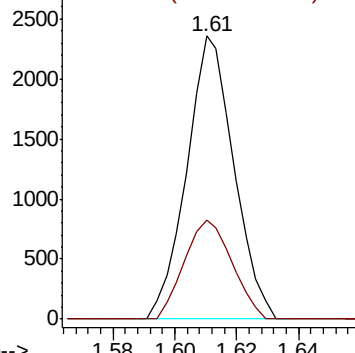
62 100

64 34.9 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 0.413 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU041234.D

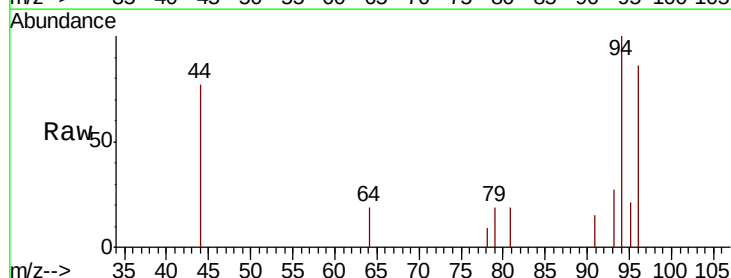
Acq: 16 Nov 2020 08:37

Tgt Ion: 94 Resp: 1447

Ion Ratio Lower Upper

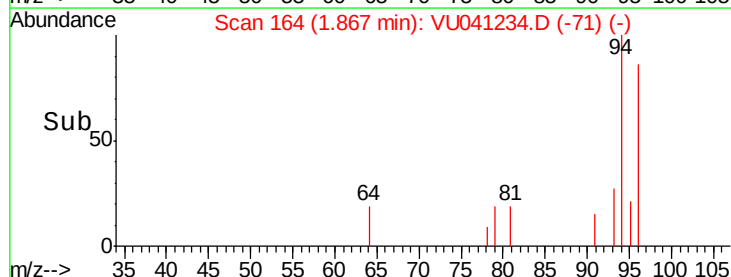
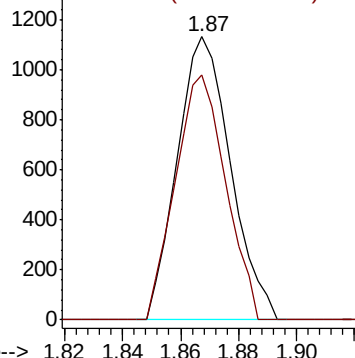
94 100

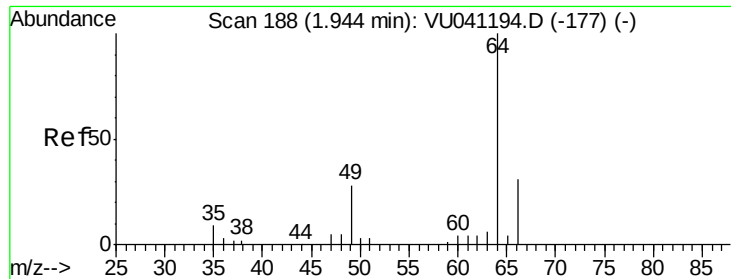
96 86.4 63.5 117.9



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 0.374 ug/L

RT: 1.94 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU041234.D

Acq: 16 Nov 2020 08:37

Instrument :

MSVOA_U

ClientSampleId :

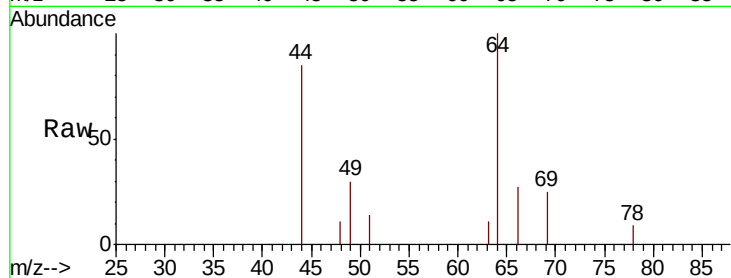
VSTD0.502

Tot Ion: 64 Resp: 1451

Ion Ratio Lower Upper

64 100

66 26.9 22.3 41.5



Abundance Ion 64.10 (63.80 to 64.80): VU041194.D (-177) (-)

Ion 66.05 (65.75 to 66.75): VU041194.D (-177) (-)

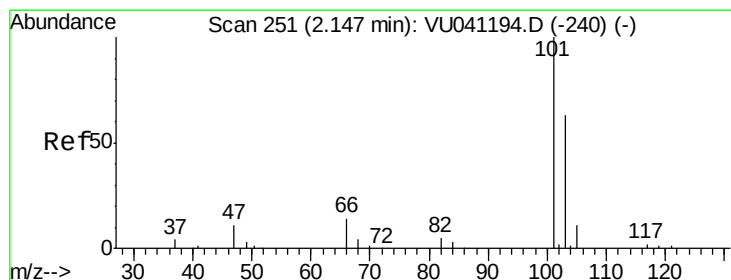
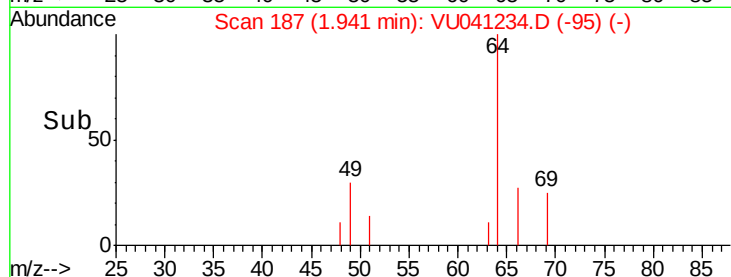
1.94

1000

500

0

Time-->



#9

Trichlorofluoromethane

Concen: 0.408 ug/L

RT: 2.15 min Scan# 252

Delta R.T. 0.00 min

Lab File: VU041234.D

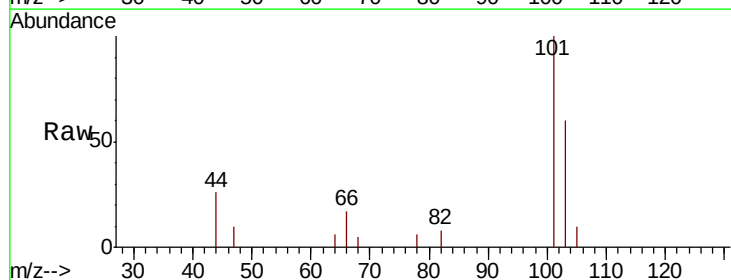
Acq: 16 Nov 2020 08:37

Tgt Ion: 101 Resp: 3396

Ion Ratio Lower Upper

101 100

103 64.2 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): VU041194.D (-240) (-)

Ion 103.00 (102.70 to 103.70): VU041194.D (-240) (-)

2.15

2500

2000

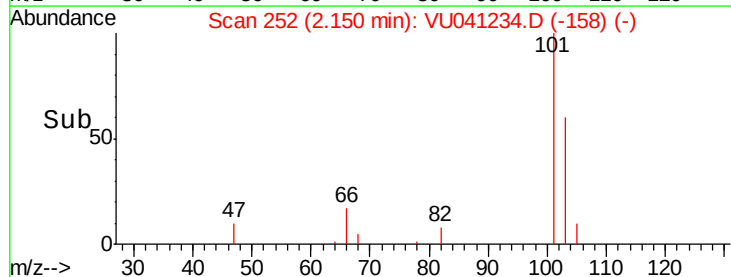
1500

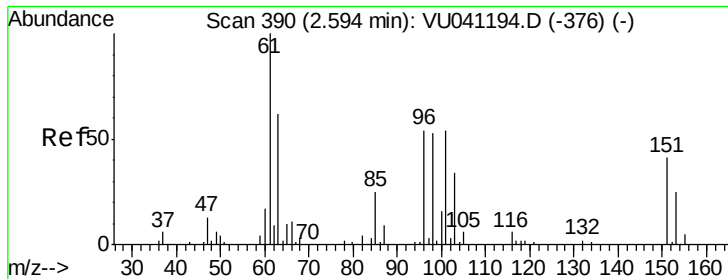
1000

500

0

Time-->





#10

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

Concen: 0.381 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041234.D

Acq: 16 Nov 2020 08:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.502

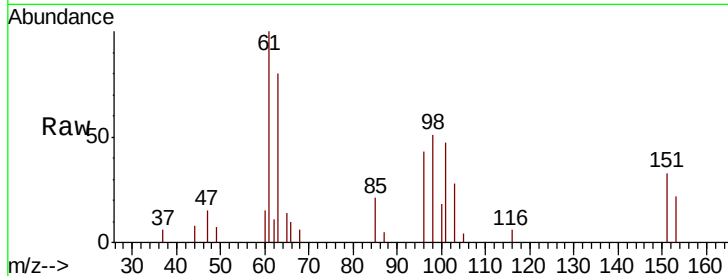
Tot Ion:101 Resp: 1856

Ion Ratio Lower Upper

101 100

85 42.3 35.0 52.4

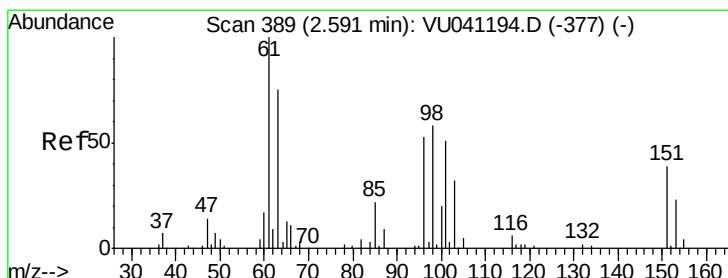
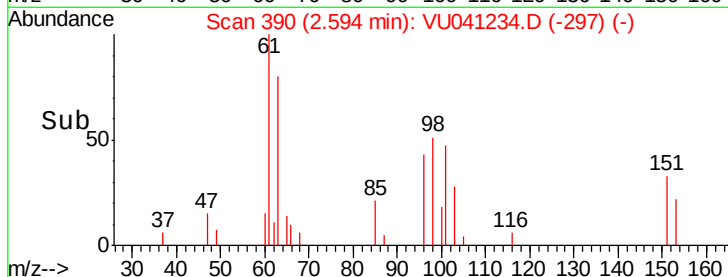
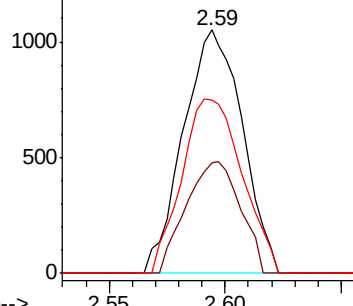
151 73.3 55.3 82.9



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: 0.351 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041234.D

Acq: 16 Nov 2020 08:37

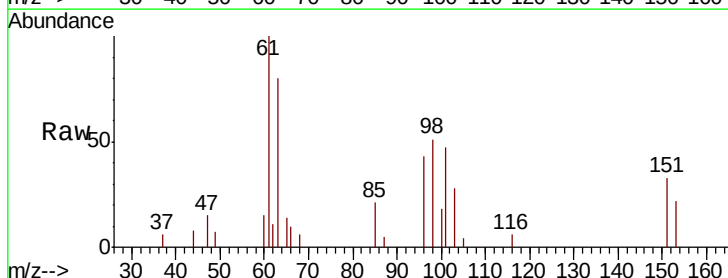
Tgt Ion: 96 Resp: 1614

Ion Ratio Lower Upper

96 100

61 231.7 134.3 249.5

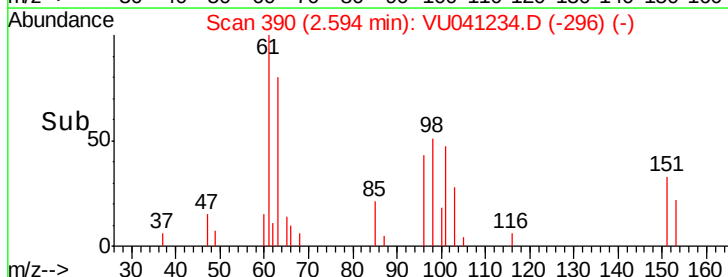
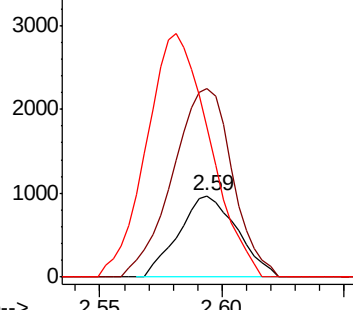
63 184.3 95.0 176.4#

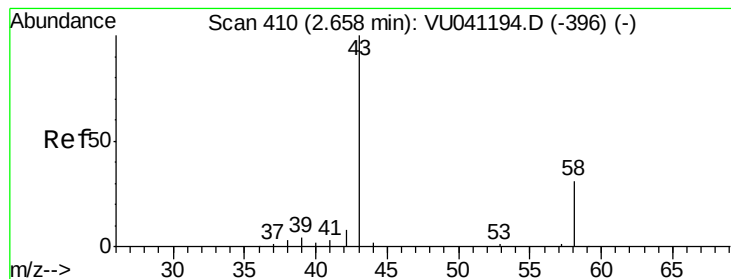


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 4.540 ug/L

RT: 2.67 min Scan# 415

Delta R.T. 0.02 min

Lab File: VU041234.D

Acq: 16 Nov 2020 08:37

Instrument :

MSVOA_U

ClientSampleId :

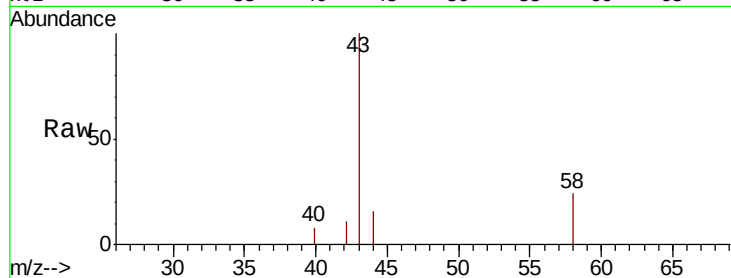
VSTD0.502

Tot Ion: 43 Resp: 5596

Ion Ratio Lower Upper

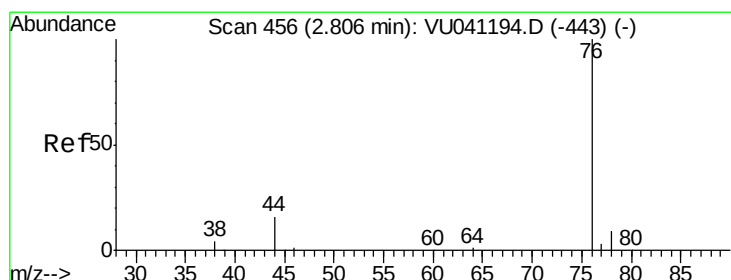
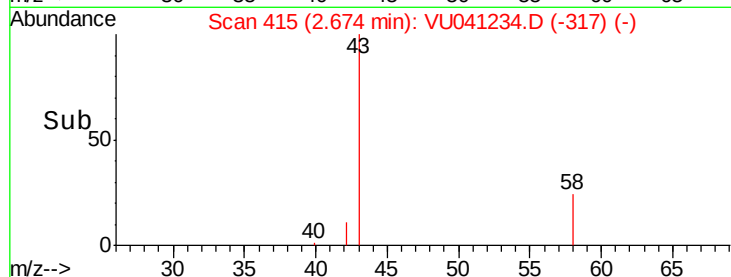
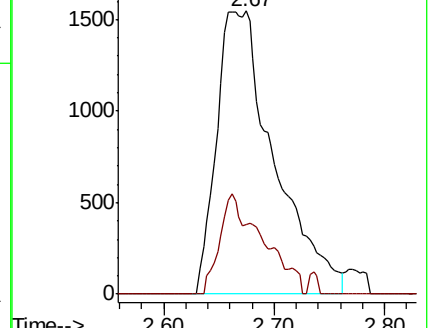
43 100

58 14.2 0.0 25.4



Abundance Ion 43.05 (42.75 to 43.75): VU041194.D (-396) (-)

Ion 58.05 (57.75 to 58.75): VU041194.D (-396) (-)



#14

Carbon disulfide

Concen: 0.332 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU041234.D

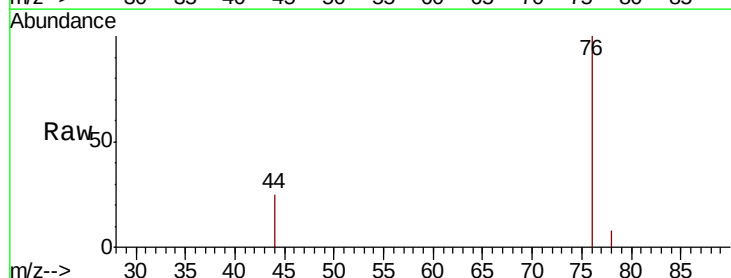
Acq: 16 Nov 2020 08:37

Tgt Ion: 76 Resp: 5111

Ion Ratio Lower Upper

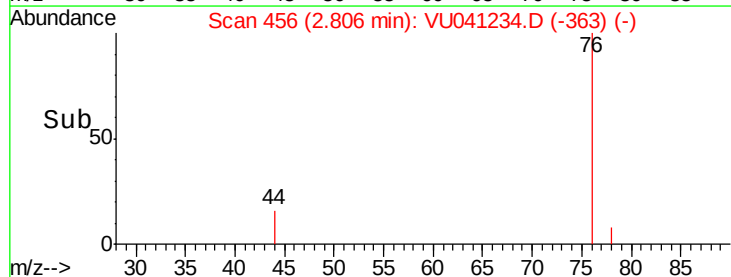
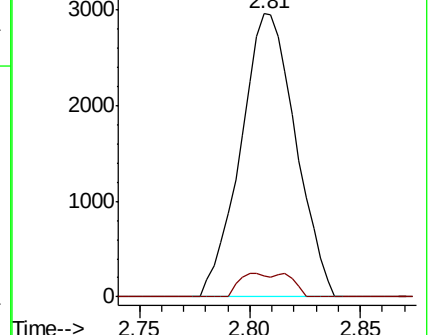
76 100

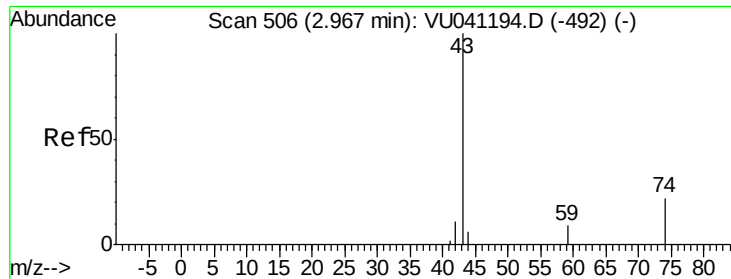
78 7.6 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU041194.D (-443) (-)

Ion 78.00 (77.70 to 78.70): VU041194.D (-443) (-)

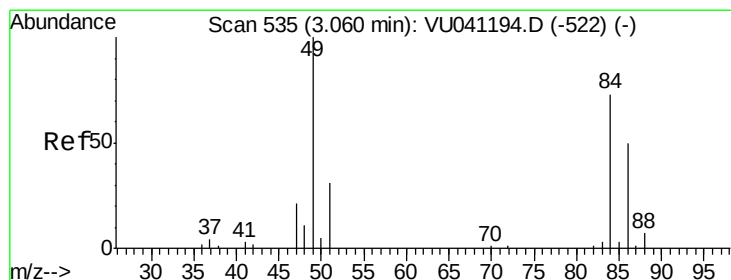
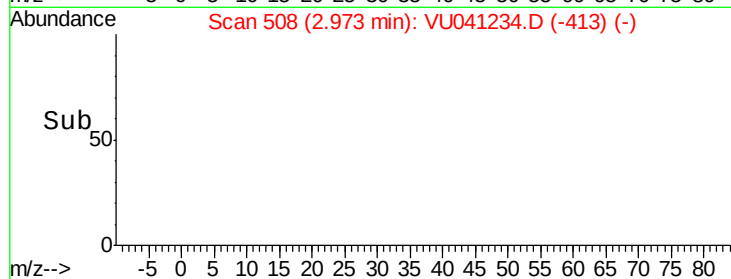
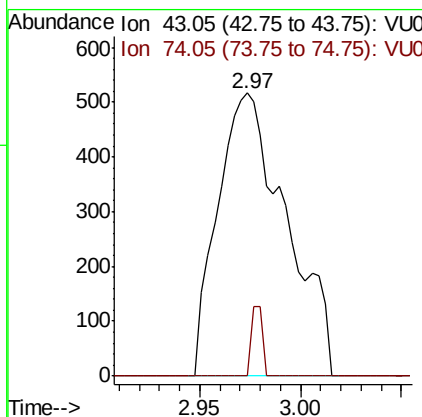
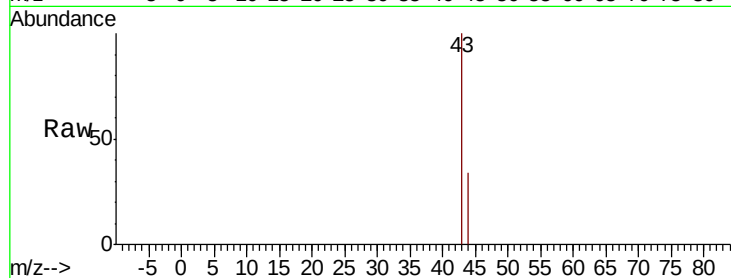




#15
Methyl Acetate
Concen: 0.431 ug/L
RT: 2.97 min Scan# 508
Delta R.T. 0.01 min
Lab File: VU041234.D
Acq: 16 Nov 2020 08:37

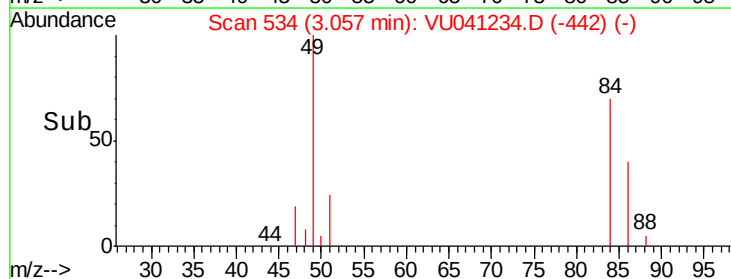
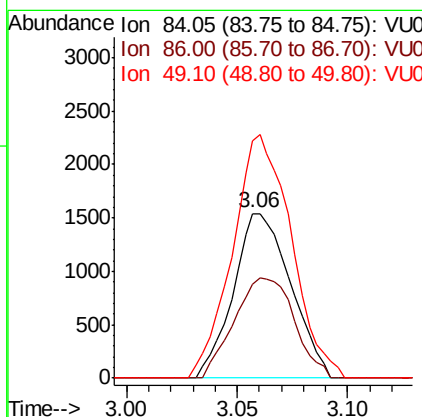
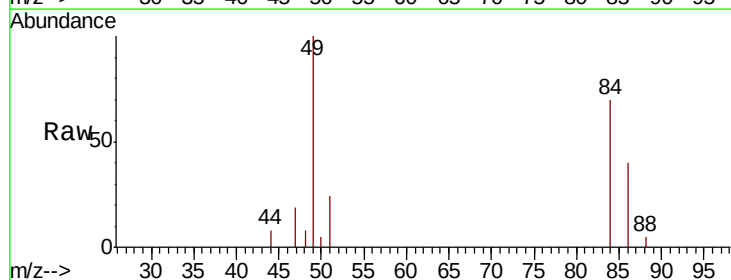
Instrument :
MSVOA_U
ClientSampled :
VSTD0.502

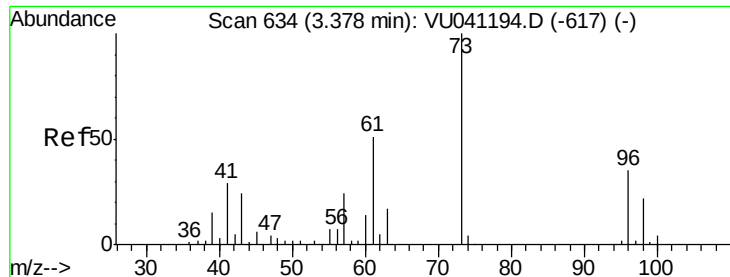
Tot Ion: 43 Resp: 1216
Ion Ratio Lower Upper
43 100
74 4.0 18.3 27.5#



#16
Methylene chloride
Concen: 0.519 ug/L
RT: 3.06 min Scan# 534
Delta R.T. -0.00 min
Lab File: VU041234.D
Acq: 16 Nov 2020 08:37

Tgt Ion: 84 Resp: 2782
Ion Ratio Lower Upper
84 100
86 56.9 42.8 79.6
49 143.7 99.5 184.7

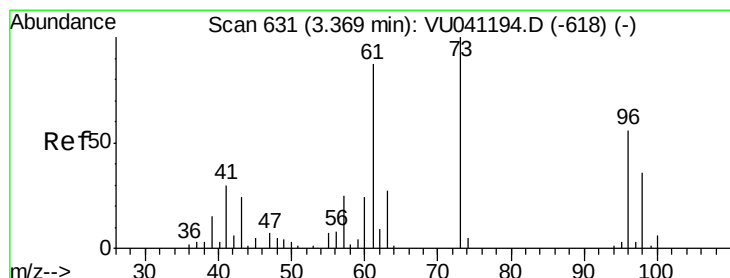
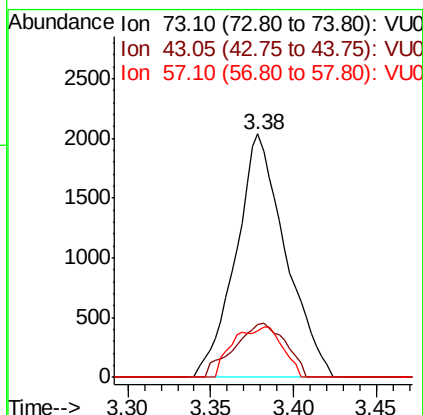
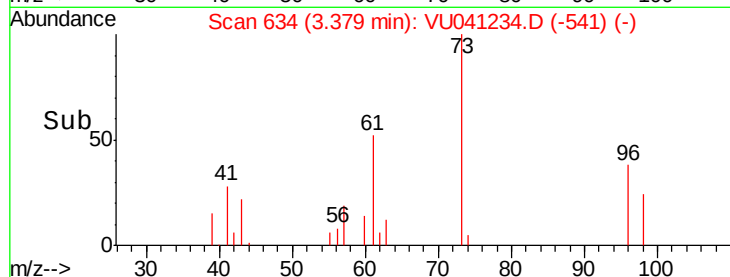
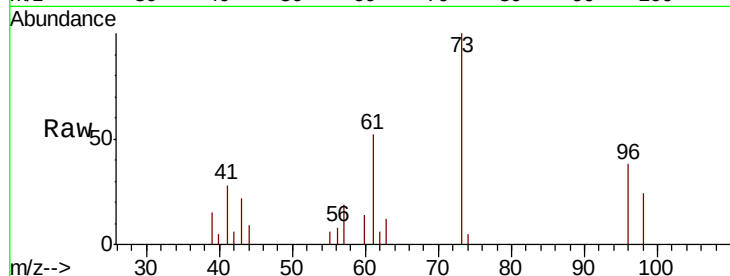




#17
Methyl tert-butyl Ether
Concen: 0.356 ug/L
RT: 3.38 min Scan# 634
Delta R.T. 0.00 min
Lab File: VU041234.D
Acq: 16 Nov 2020 08:37

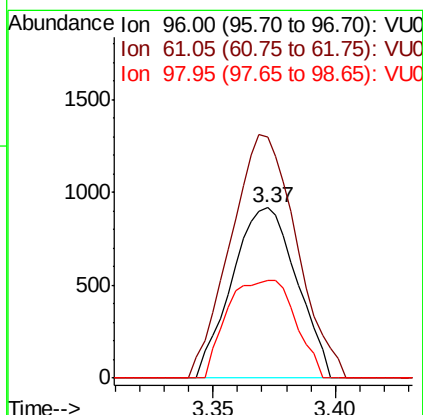
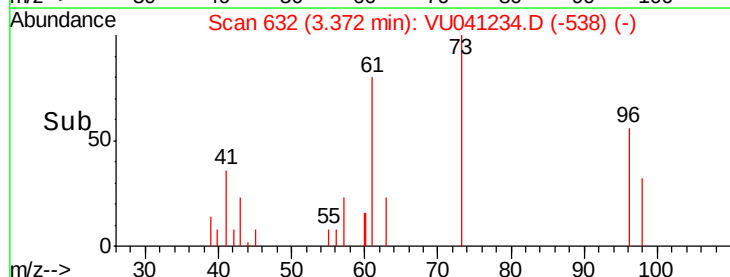
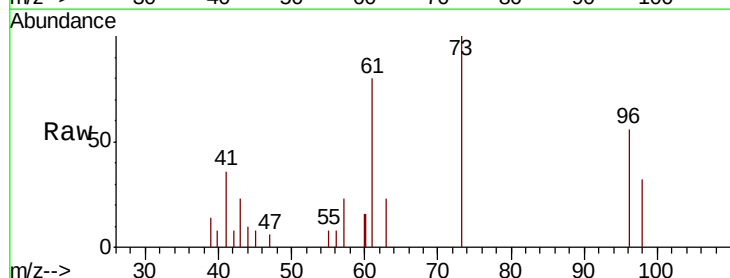
Instrument :
MSVOA_U
ClientSampleID :
VSTD0.502

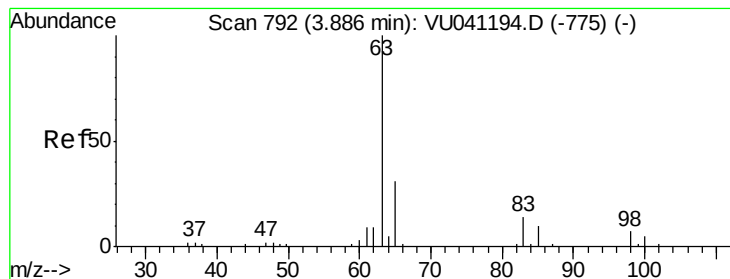
Tot Ion: 73 Resp: 4222
Ion Ratio Lower Upper
73 100
43 23.1 18.5 27.7
57 20.5 18.4 27.6



#18
trans-1,2-Dichloroethene
Concen: 0.361 ug/L
RT: 3.37 min Scan# 632
Delta R.T. 0.00 min
Lab File: VU041234.D
Acq: 16 Nov 2020 08:37

Tgt Ion: 96 Resp: 1689
Ion Ratio Lower Upper
96 100
61 142.0 110.9 205.9
98 57.5 45.4 84.2

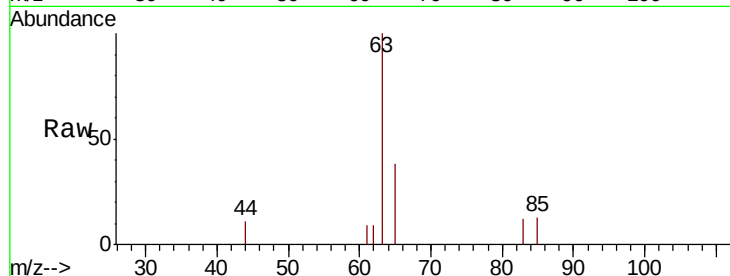




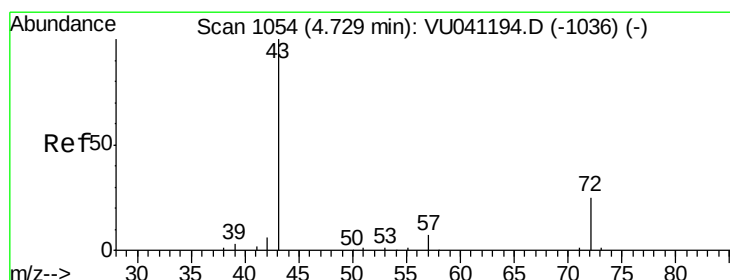
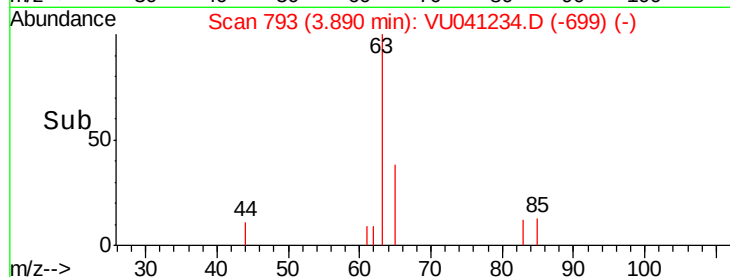
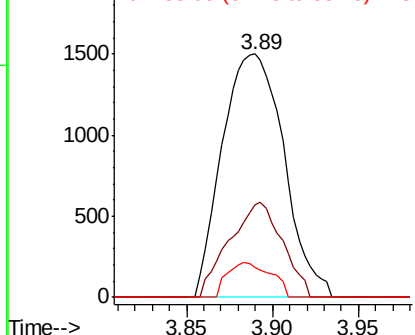
#19
 1,1-Dichloroethane
 Concen: 0.402 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU041234.D
 Acq: 16 Nov 2020 08:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

Tot Ion: 63 Resp: 3755
 Ion Ratio Lower Upper
 63 100
 65 37.9 21.3 39.6
 83 12.3 8.8 16.3

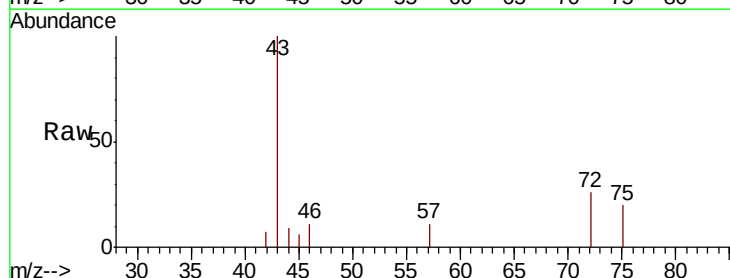


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

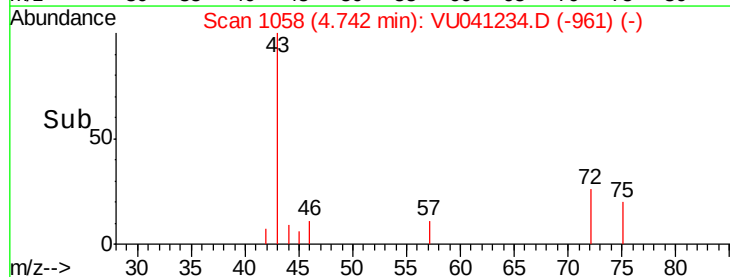
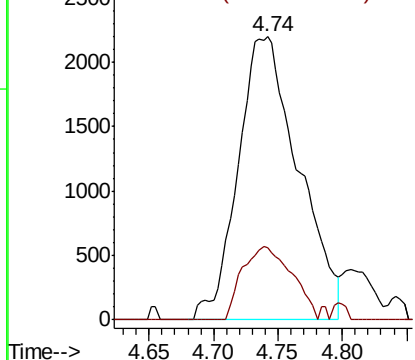


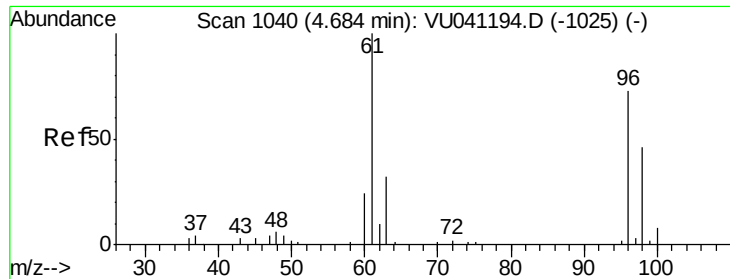
#21
 2-Butanone
 Concen: 3.731 ug/L
 RT: 4.74 min Scan# 1058
 Delta R.T. 0.01 min
 Lab File: VU041234.D
 Acq: 16 Nov 2020 08:37

Tgt Ion: 43 Resp: 7186
 Ion Ratio Lower Upper
 43 100
 72 21.2 11.8 35.4



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 0.387 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU041234.D

Acq: 16 Nov 2020 08:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.502

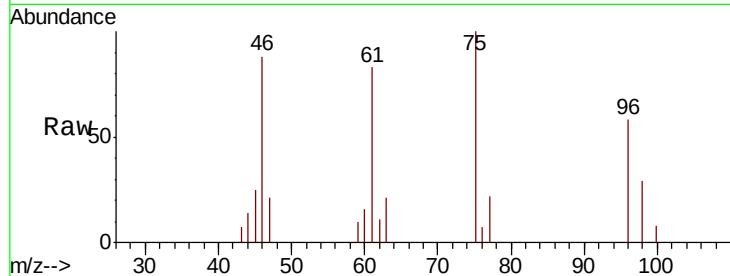
Tot Ion: 96 Resp: 1866

Ion Ratio Lower Upper

96 100

61 142.5 97.2 180.4

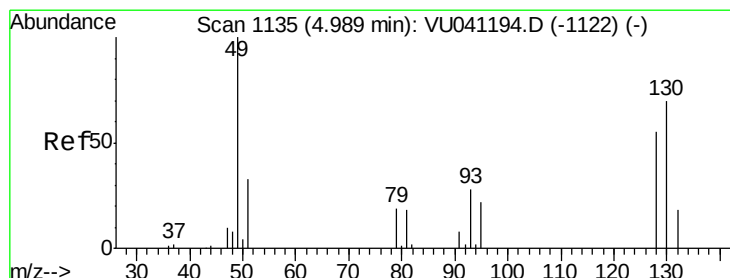
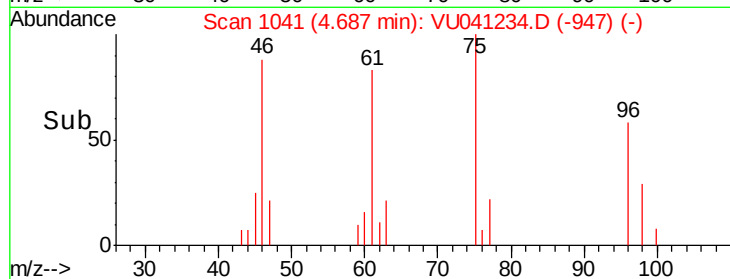
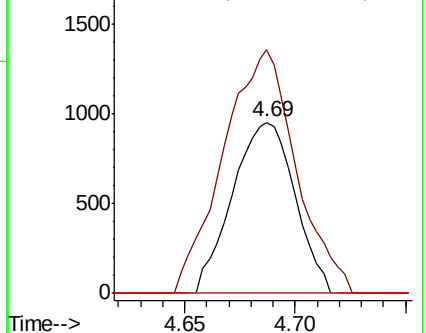
68 0.0 0.0 0.0



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: 0.359 ug/L

RT: 4.99 min Scan# 1134

Delta R.T. -0.00 min

Lab File: VU041234.D

Acq: 16 Nov 2020 08:37

Tgt Ion:128 Resp: 818

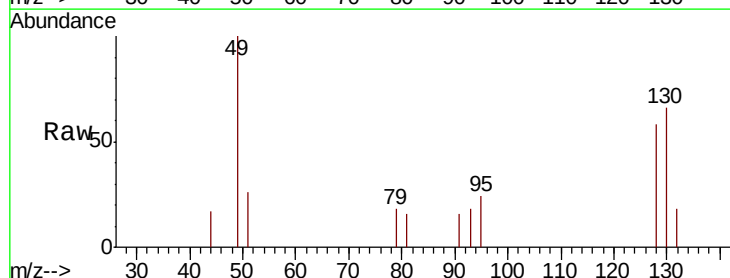
Ion Ratio Lower Upper

128 100

49 173.5 135.0 250.8

130 114.3 89.9 167.0

51 45.8 51.9 77.9#

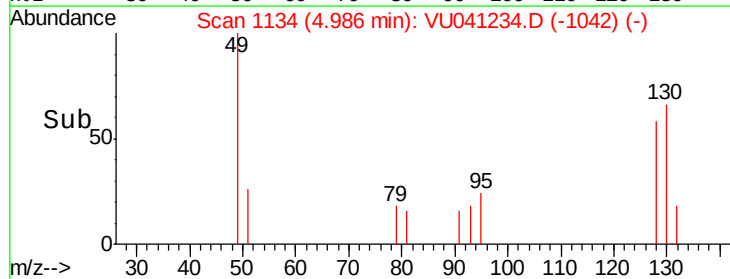
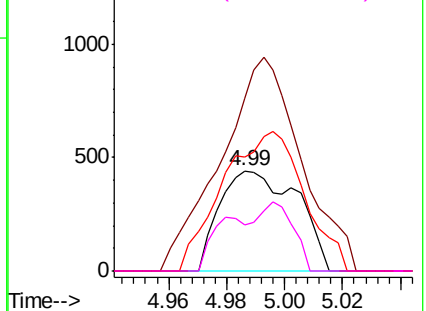


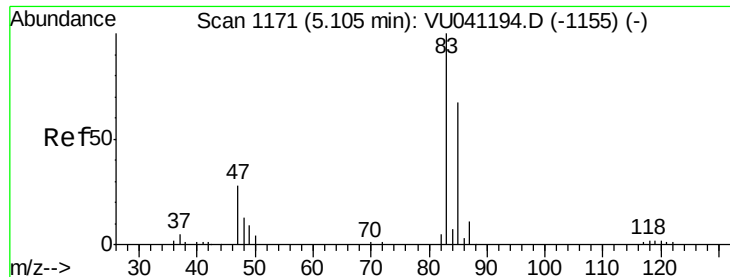
Abundance Ion 127.90 (127.60 to 128.60): V

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

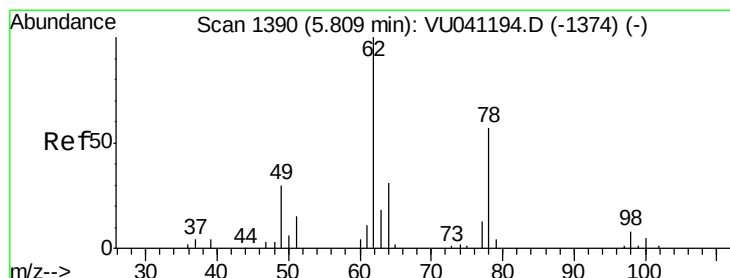
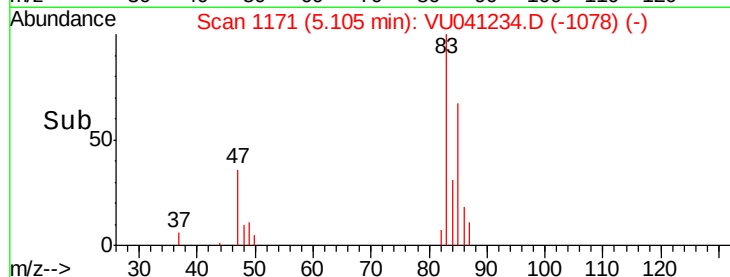
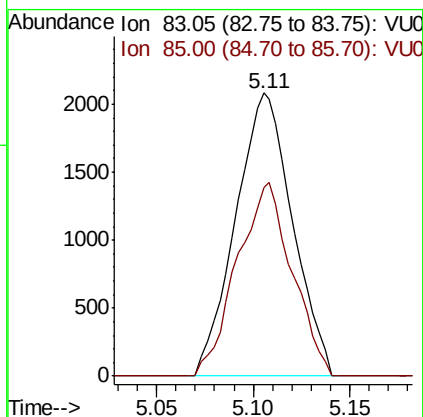
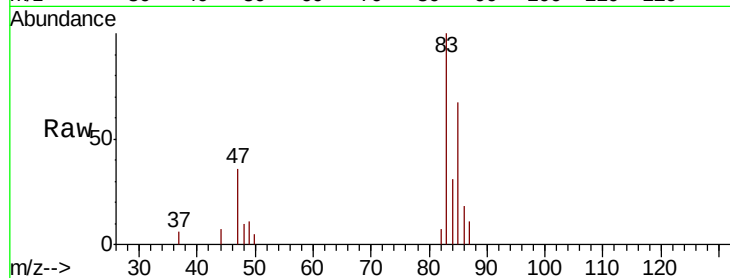




#25
Chloroform
Concen: 0.453 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU041234.D
Acq: 16 Nov 2020 08:37

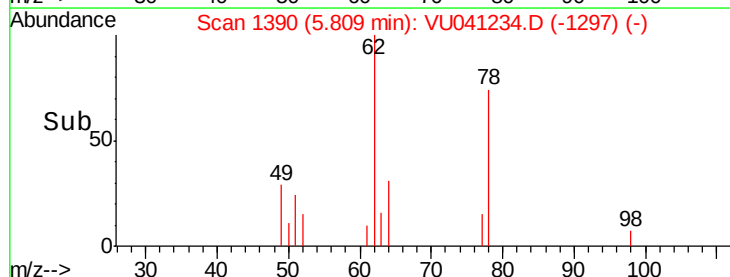
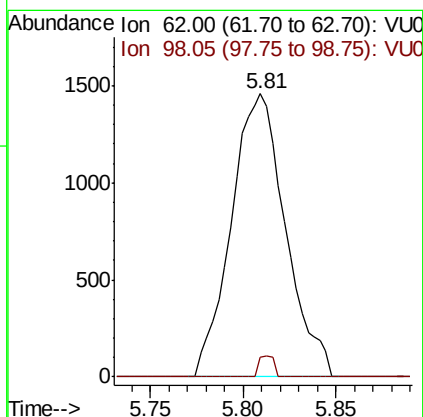
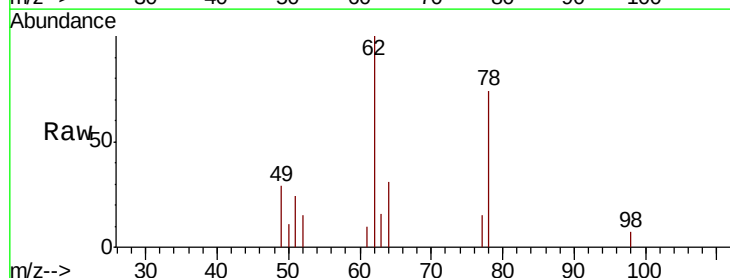
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.502

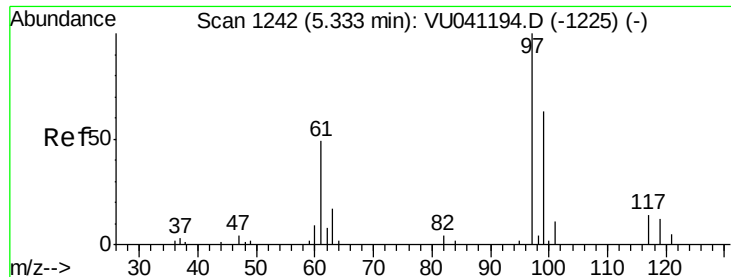
Tot Ion: 83 Resp: 4252
Ion Ratio Lower Upper
83 100
85 66.8 46.1 85.7



#27
1,2-Dichloroethane
Concen: 0.424 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU041234.D
Acq: 16 Nov 2020 08:37

Tgt Ion: 62 Resp: 2962
Ion Ratio Lower Upper
62 100
98 6.9 7.6 11.4#

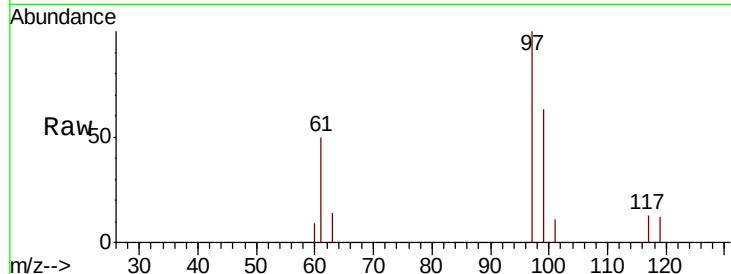




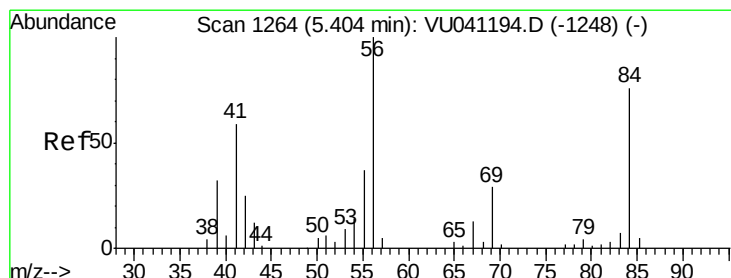
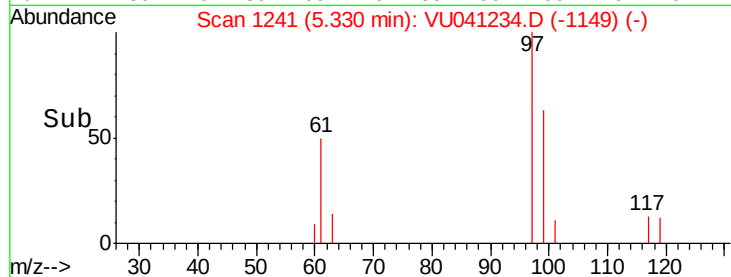
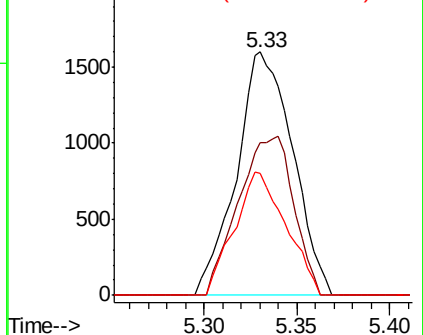
#29
 1,1,1-Trichloroethane
 Concen: 0.399 ug/L
 RT: 5.33 min Scan# 1241
 Delta R.T. -0.00 min
 Lab File: VU041234.D
 Acq: 16 Nov 2020 08:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

Tot Ion: 97 Resp: 3387
 Ion Ratio Lower Upper
 97 100
 99 64.1 53.4 80.0
 61 46.2 41.6 62.4

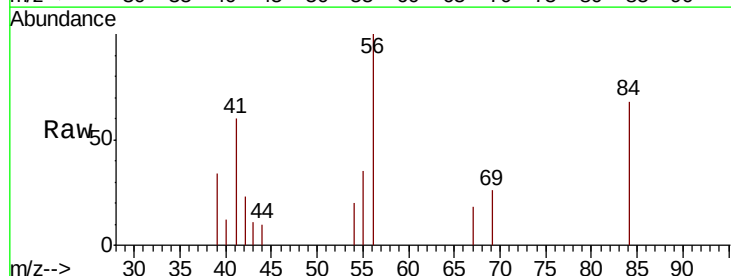


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

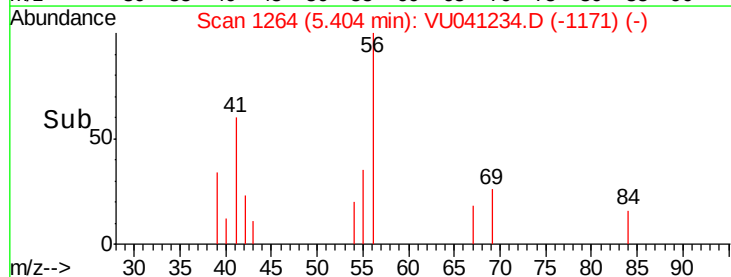
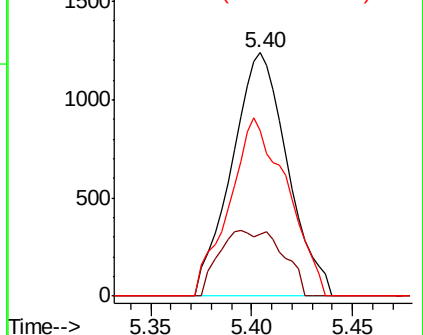


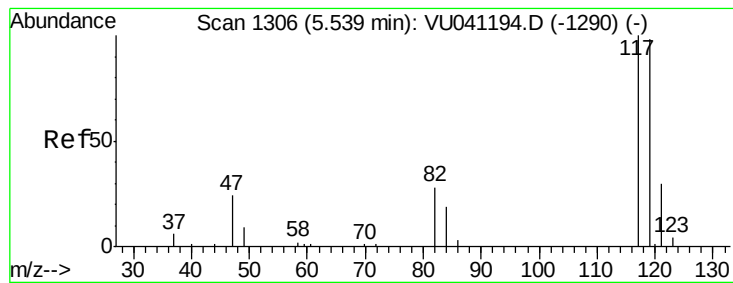
#30
 Cyclohexane
 Concen: 0.286 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: VU041234.D
 Acq: 16 Nov 2020 08:37

Tgt Ion: 56 Resp: 2393
 Ion Ratio Lower Upper
 56 100
 69 17.1 22.8 34.2#
 84 75.8 63.6 95.4



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: 0.389 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU041234.D

Acq: 16 Nov 2020 08:37

Instrument :

MSVOA_U

ClientSampleId :

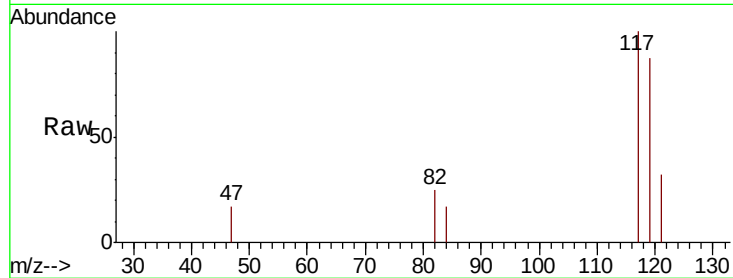
VSTD0.502

Tot Ion:117 Resp: 2922

Ion Ratio Lower Upper

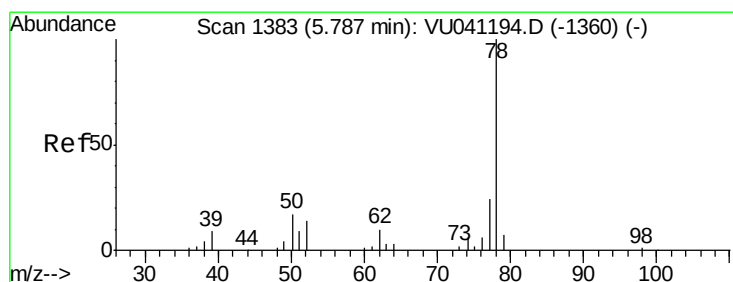
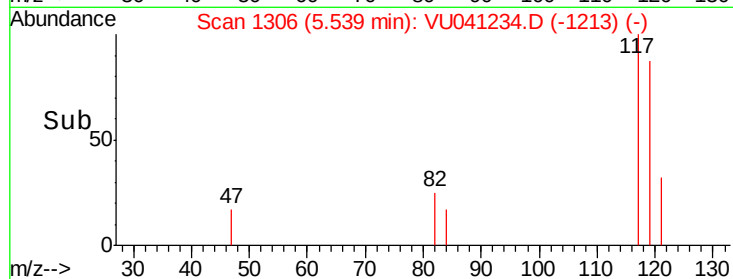
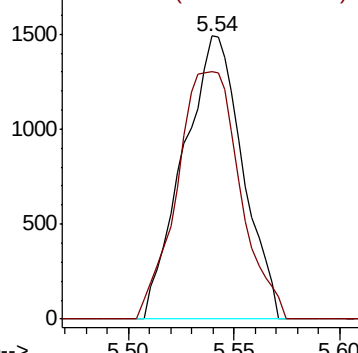
117 100

119 92.9 76.1 114.1



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.367 ug/L

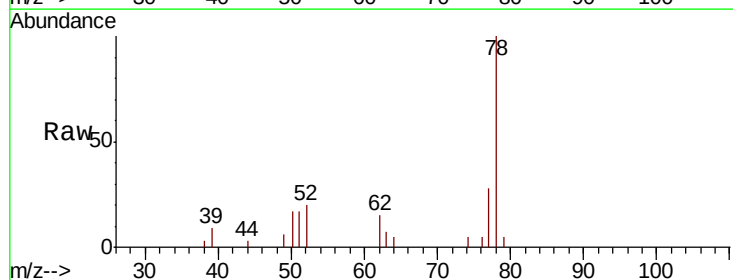
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

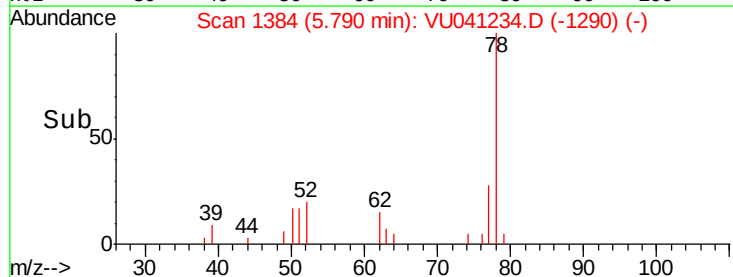
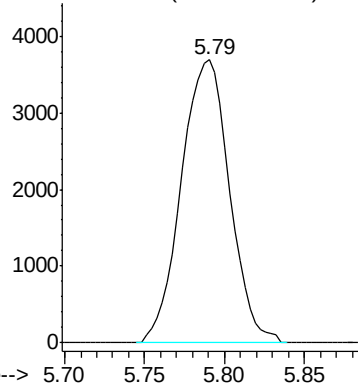
Lab File: VU041234.D

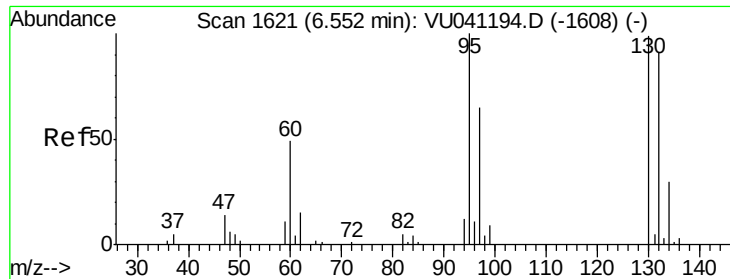
Acq: 16 Nov 2020 08:37

Tgt Ion: 78 Resp: 7615



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 0.349 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VU041234.D

Acq: 16 Nov 2020 08:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.502

Tot Ion: 95 Resp: 1844

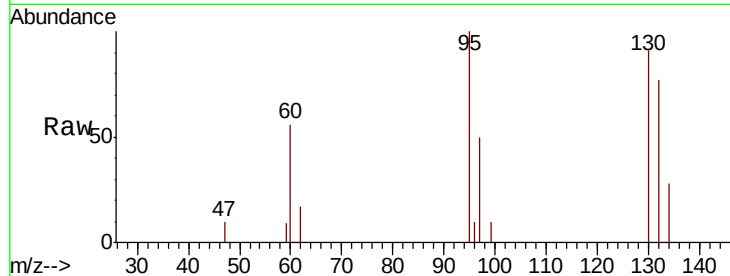
Ion Ratio Lower Upper

95 100

97 50.3 45.6 84.6

132 77.0 64.8 120.4

130 91.2 64.8 120.4

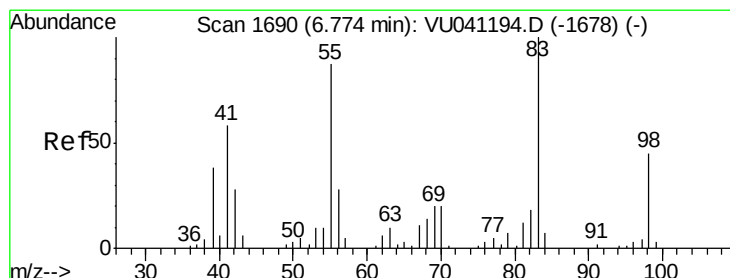
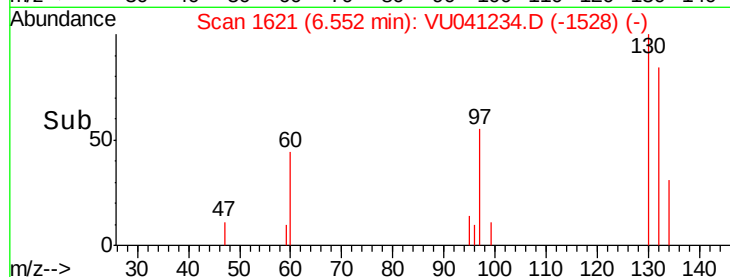
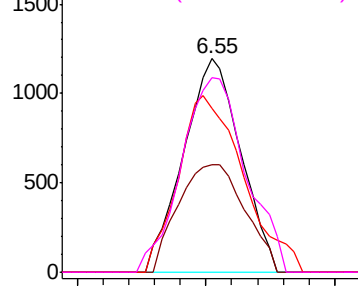


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.293 ug/L

RT: 6.78 min Scan# 1691

Delta R.T. 0.00 min

Lab File: VU041234.D

Acq: 16 Nov 2020 08:37

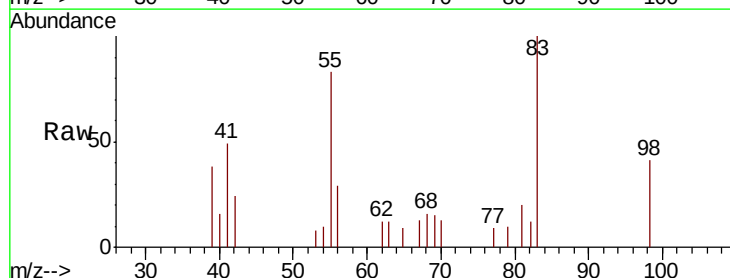
Tgt Ion: 83 Resp: 2308

Ion Ratio Lower Upper

83 100

55 85.7 72.0 108.0

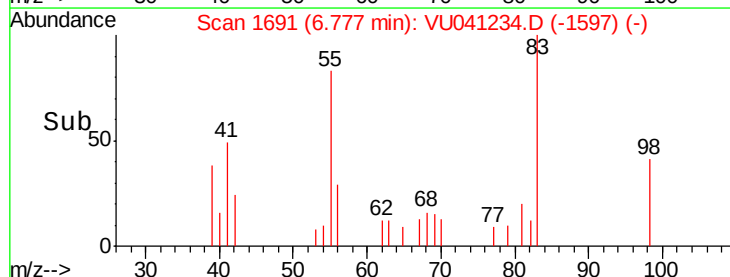
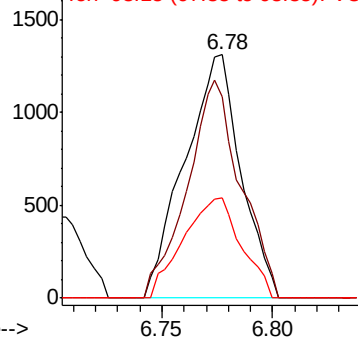
98 42.6 36.6 55.0

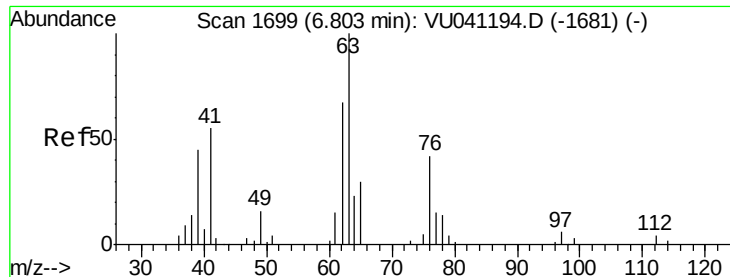


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

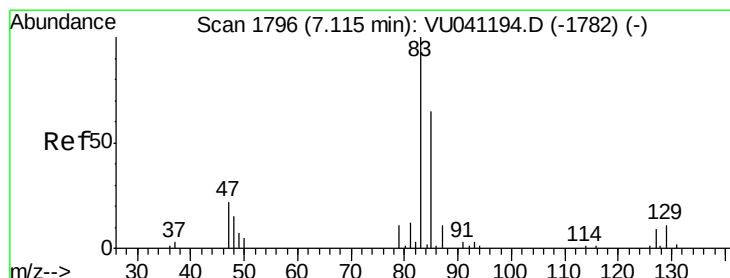
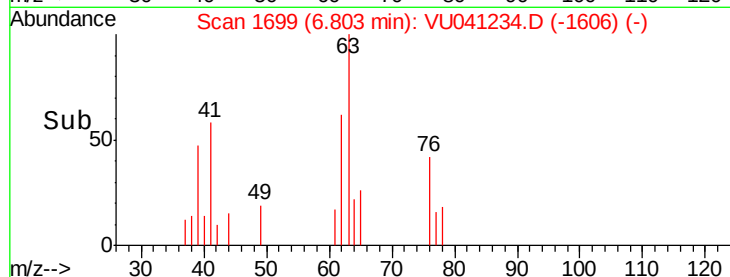
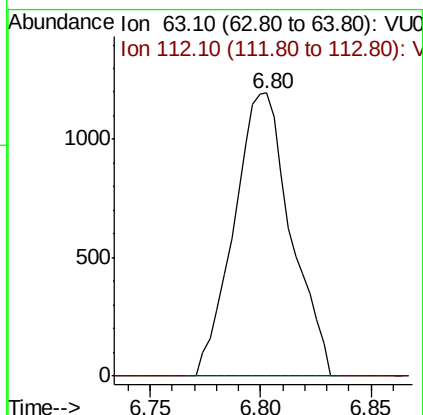
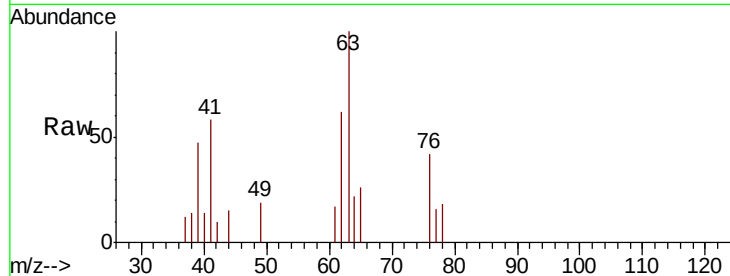




#37
 1,2-Dichloropropane
 Concen: 0.381 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU041234.D
 Acq: 16 Nov 2020 08:37

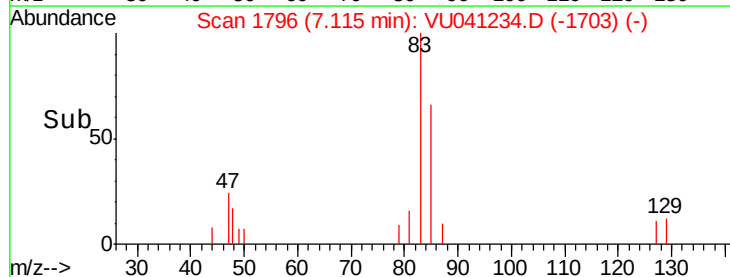
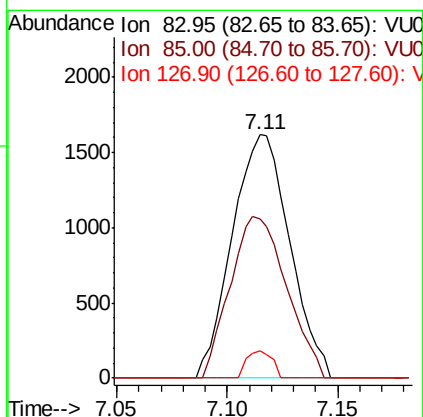
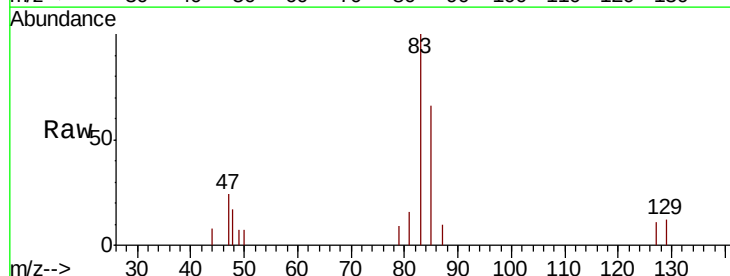
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

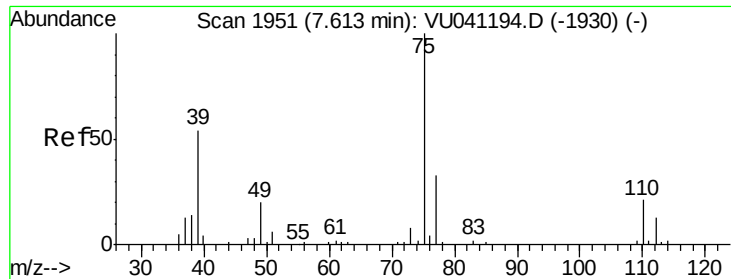
Tot Ion: 63 Resp: 2135
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#38
 Bromodichloromethane
 Concen: 0.401 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VU041234.D
 Acq: 16 Nov 2020 08:37

Tgt Ion: 83 Resp: 2921
 Ion Ratio Lower Upper
 83 100
 85 65.6 43.3 80.3
 127 10.9 5.9 8.9#

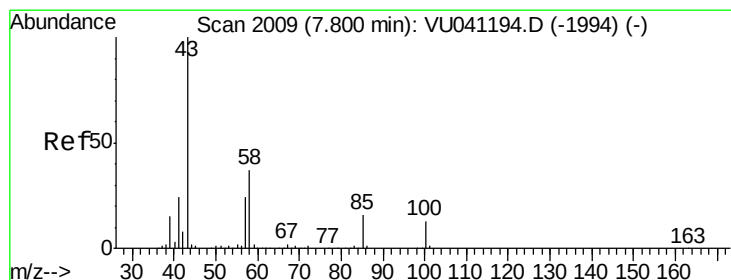
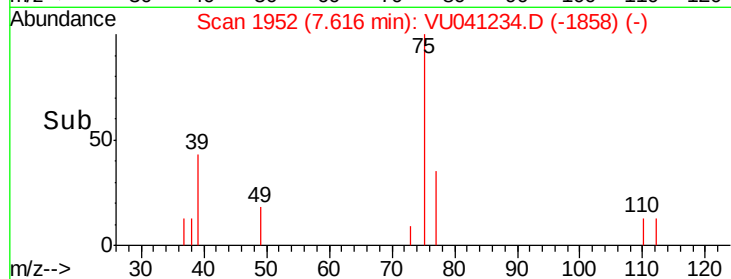
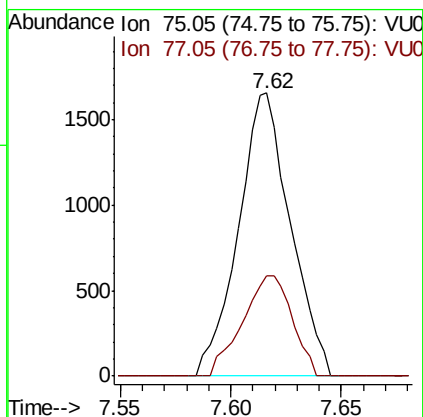
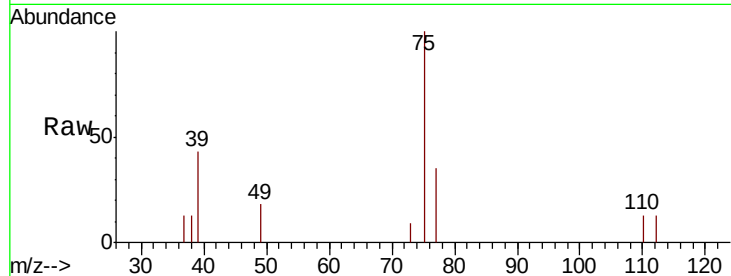




#39
 cis-1,3-Dichloropropene
 Concen: 0.351 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU041234.D
 Acq: 16 Nov 2020 08:37

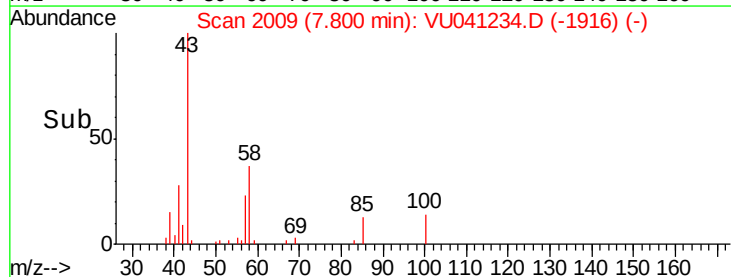
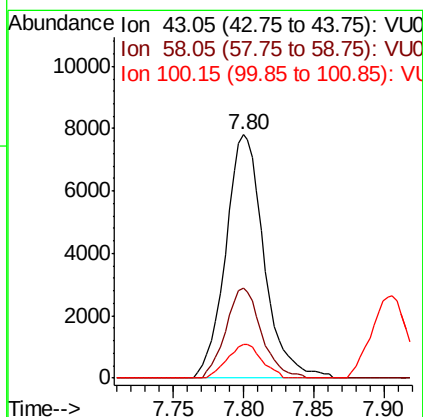
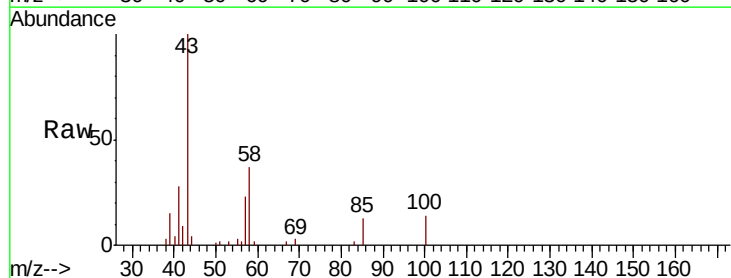
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

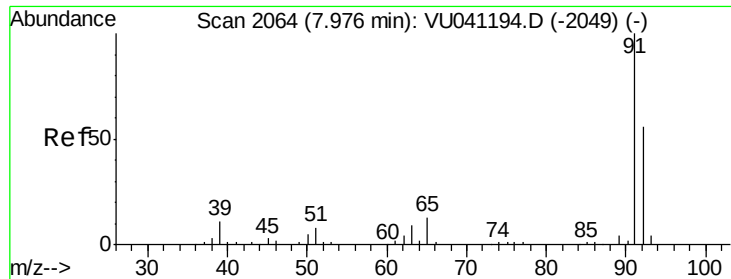
Tot Ion: 75 Resp: 2714
 Ion Ratio Lower Upper
 75 100
 77 35.3 22.7 42.3



#40
 4-Methyl-2-pentanone
 Concen: 3.305 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU041234.D
 Acq: 16 Nov 2020 08:37

Tgt Ion: 43 Resp: 14787
 Ion Ratio Lower Upper
 43 100
 58 34.2 29.8 44.6
 100 12.4 10.5 15.7





#42

Toluene

Concen: 0.312 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU041234.D

Acq: 16 Nov 2020 08:37

Instrument :

MSVOA_U

ClientSampleId :

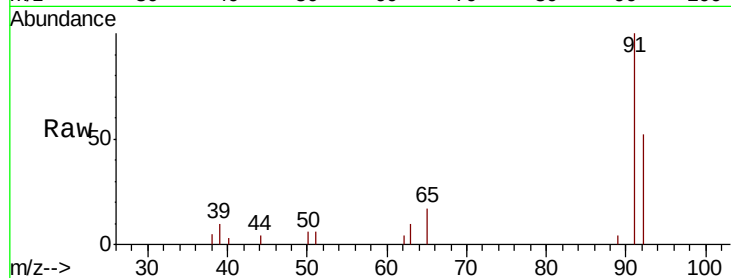
VSTD0.502

Tot Ion: 91 Resp: 6563

Ion Ratio Lower Upper

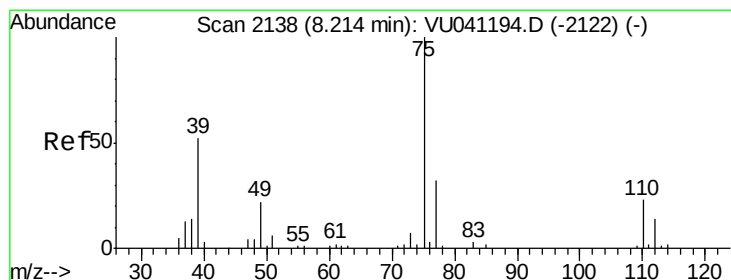
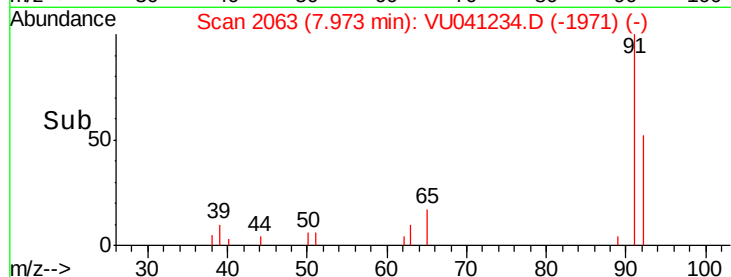
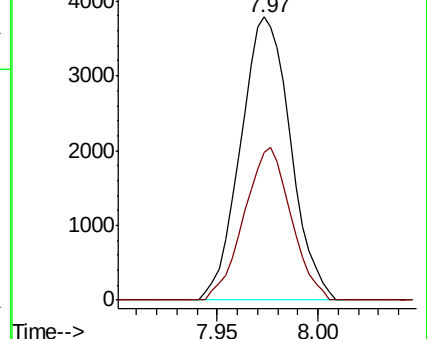
91 100

92 52.4 40.6 75.4



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: 0.356 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU041234.D

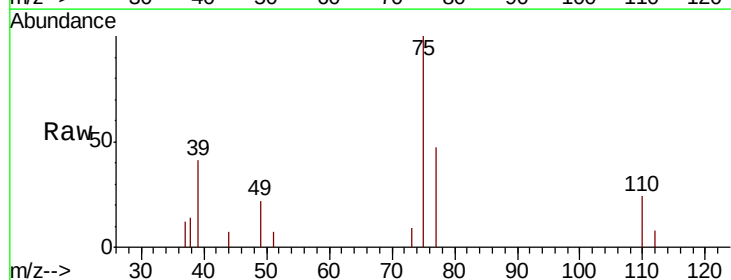
Acq: 16 Nov 2020 08:37

Tgt Ion: 75 Resp: 2572

Ion Ratio Lower Upper

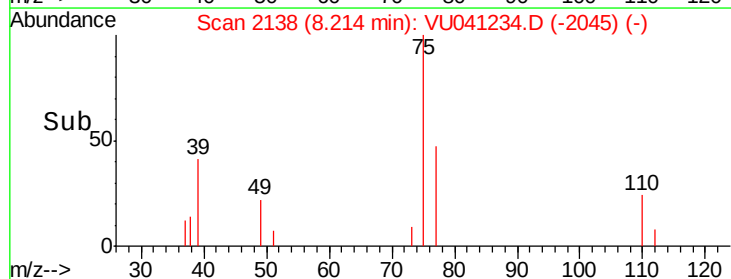
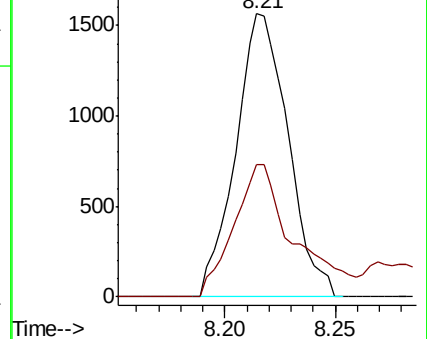
75 100

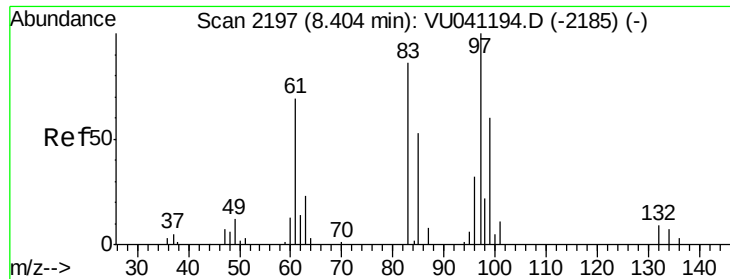
77 46.8 23.3 43.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

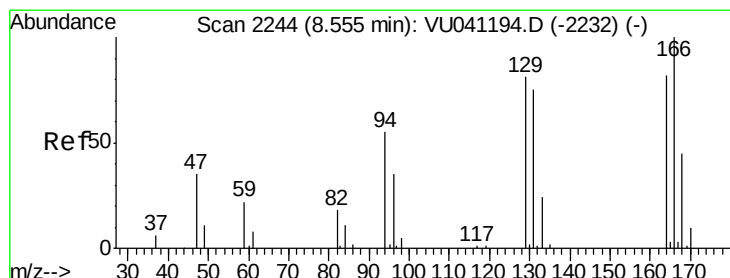
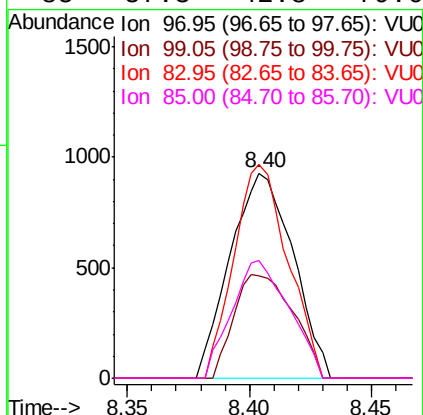
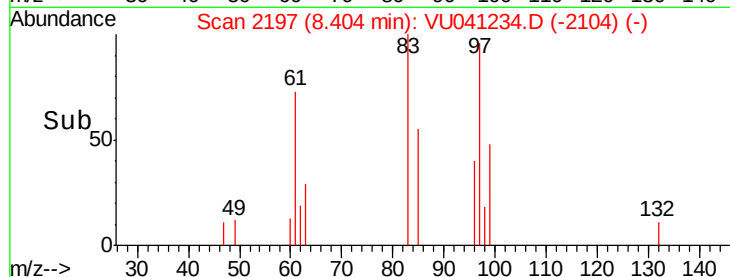
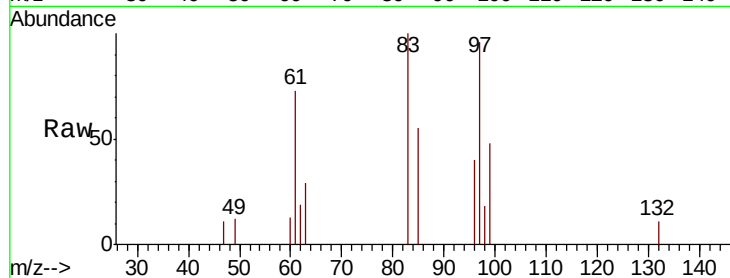




#45
1,1,2-Trichloroethane
Concen: 0.396 ug/L
RT: 8.40 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VU041234.D
Acq: 16 Nov 2020 08:37

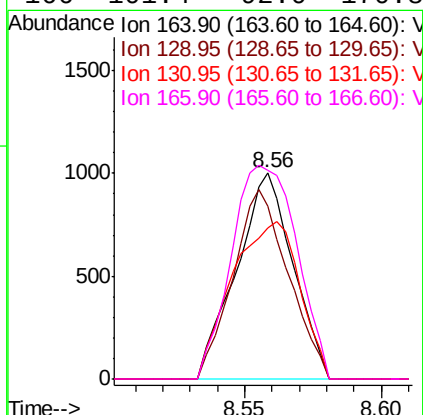
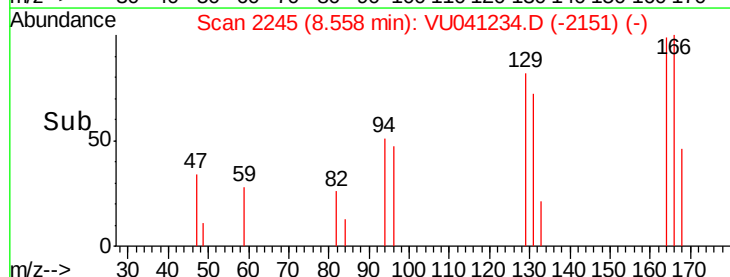
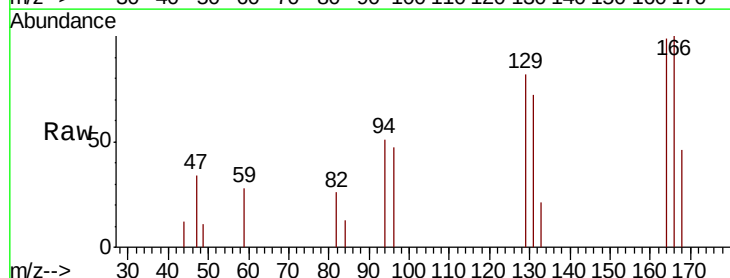
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.502

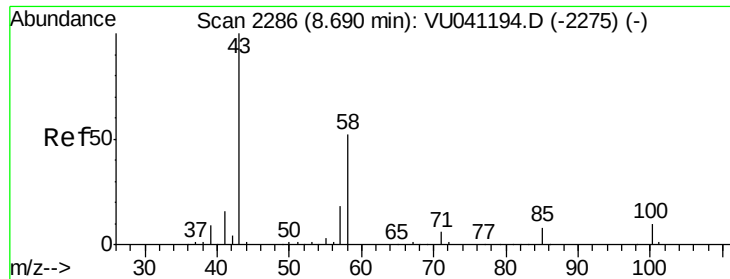
Tot Ion:	97	Resp:	1655
Ion	Ratio	Lower	Upper
97	100		
99	50.1	45.8	85.2
83	104.2	67.9	126.1
85	57.3	42.8	79.6



#47
Tetrachloroethene
Concen: 0.370 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VU041234.D
Acq: 16 Nov 2020 08:37

Tgt Ion:	164	Resp:	1435
Ion	Ratio	Lower	Upper
164	100		
129	83.6	70.3	130.7
131	73.3	70.8	131.4
166	101.4	92.0	170.8

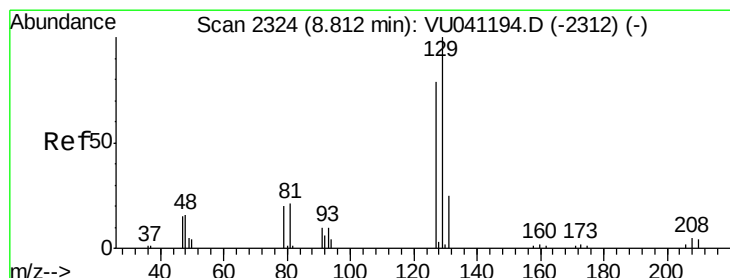
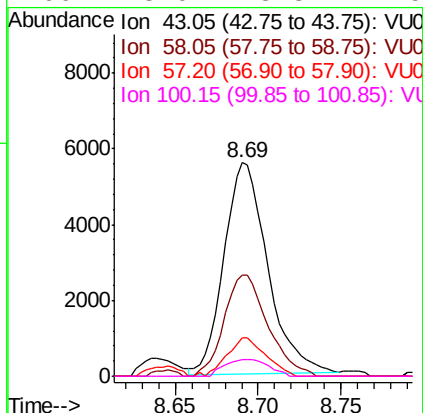
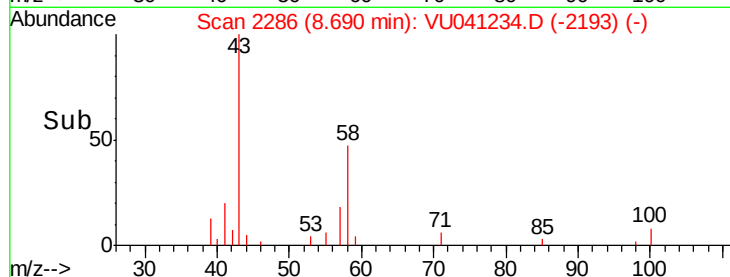
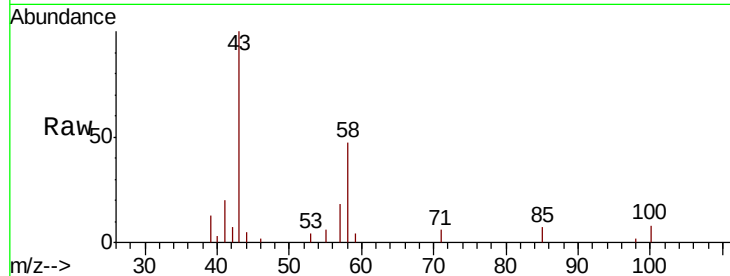




#48
2-Hexanone
Concen: 3.029 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU041234.D
Acq: 16 Nov 2020 08:37

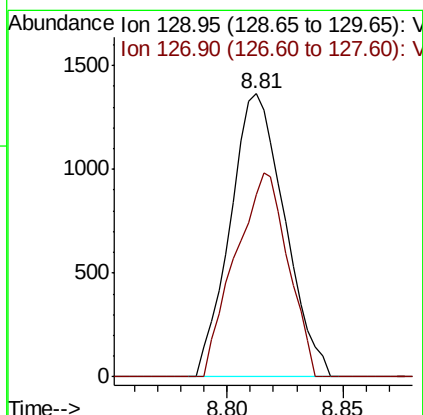
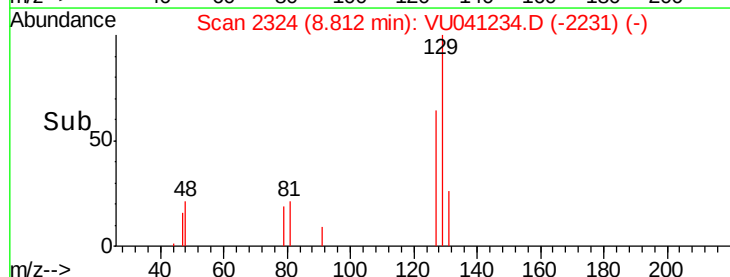
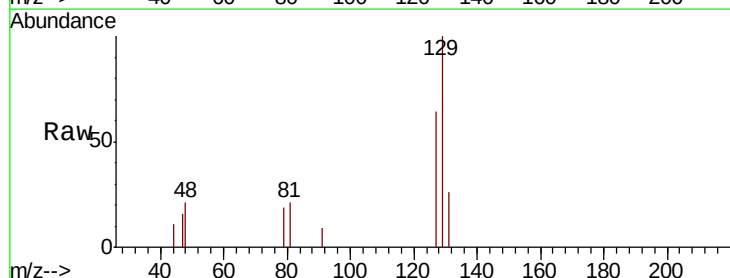
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.502

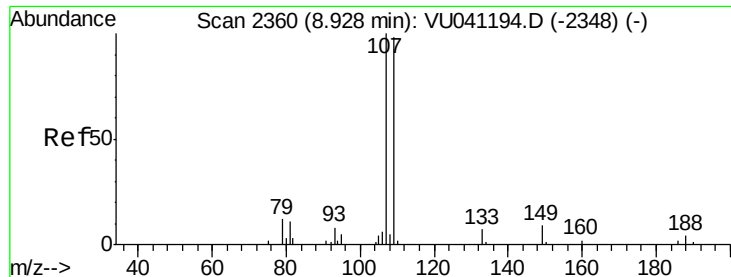
Tot Ion: 43 Resp: 10203
Ion Ratio Lower Upper
43 100
58 47.7 41.4 62.2
57 16.2 14.6 21.8
100 8.0 8.3 12.5#



#49
Dibromochloromethane
Concen: 0.459 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. 0.00 min
Lab File: VU041234.D
Acq: 16 Nov 2020 08:37

Tgt Ion: 129 Resp: 2226
Ion Ratio Lower Upper
129 100
127 64.4 53.4 99.2

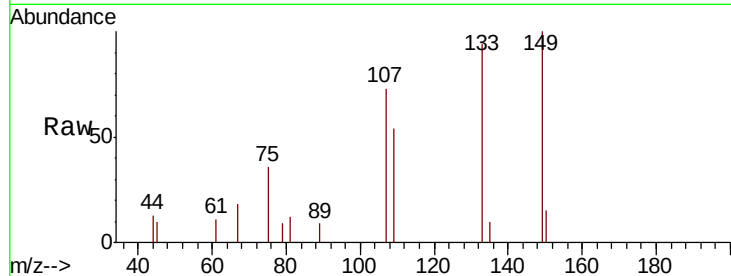




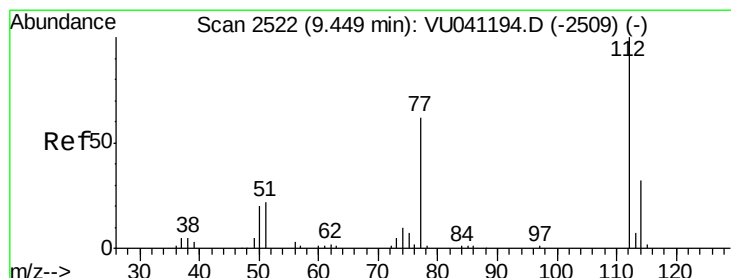
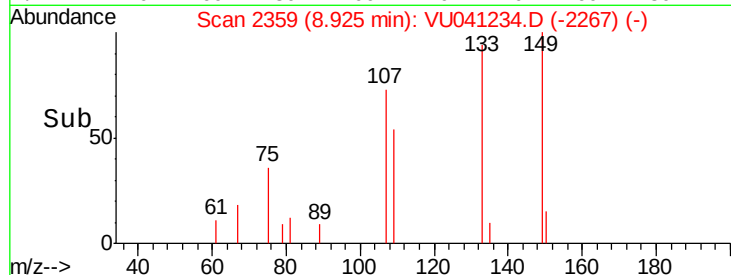
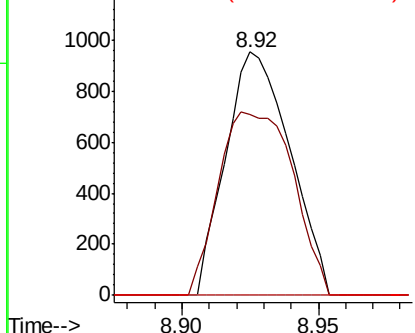
#50
 1,2-Dibromoethane
 Concen: 0.393 ug/L
 RT: 8.92 min Scan# 2359
 Delta R.T. -0.00 min
 Lab File: VU041234.D
 Acq: 16 Nov 2020 08:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

Tot Ion:107 Resp: 1565
 Ion Ratio Lower Upper
 107 100
 109 74.1 65.6 121.8
 188 0.0 2.9 4.3#

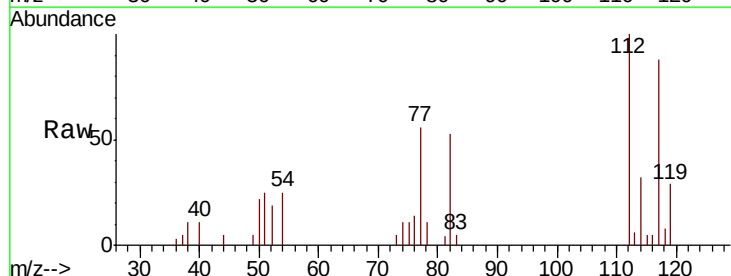


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

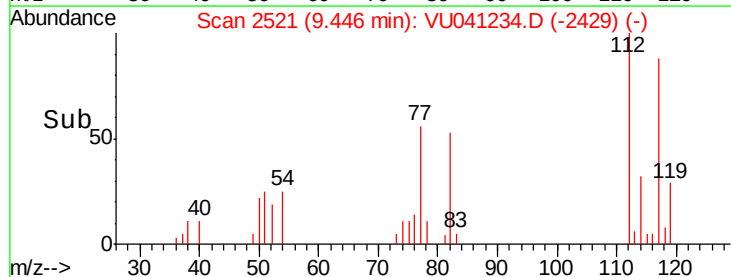
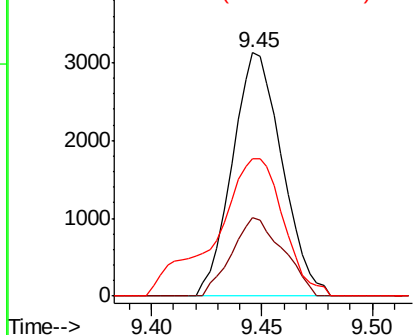


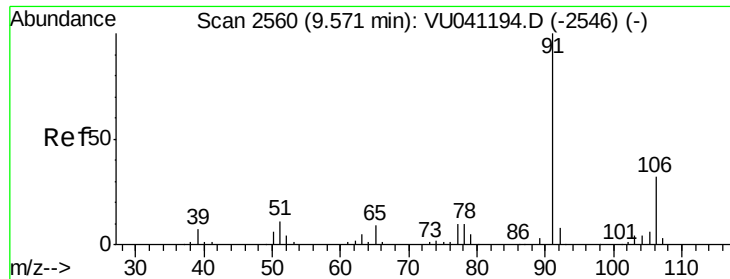
#51
 Chlorobenzene
 Concen: 0.367 ug/L
 RT: 9.45 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VU041234.D
 Acq: 16 Nov 2020 08:37

Tgt Ion:112 Resp: 4893
 Ion Ratio Lower Upper
 112 100
 114 32.0 22.4 41.6
 77 56.2 51.2 76.8



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: 0.316 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU041234.D

Acq: 16 Nov 2020 08:37

Instrument :

MSVOA_U

ClientSampleId :

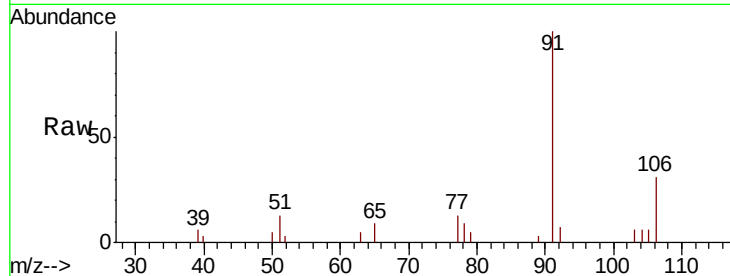
VSTD0.502

Tot Ion: 91 Resp: 6998

Ion Ratio Lower Upper

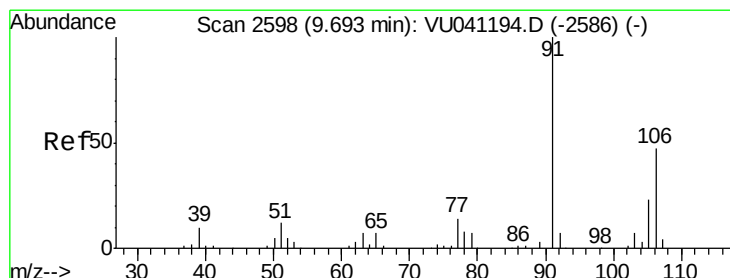
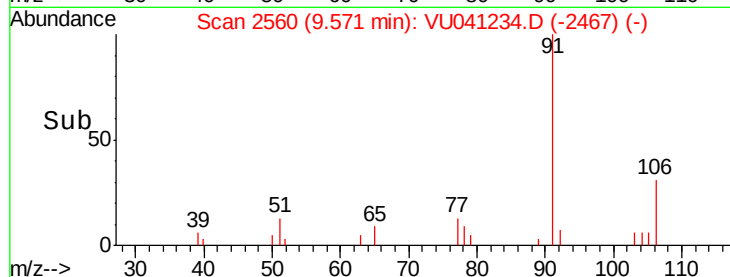
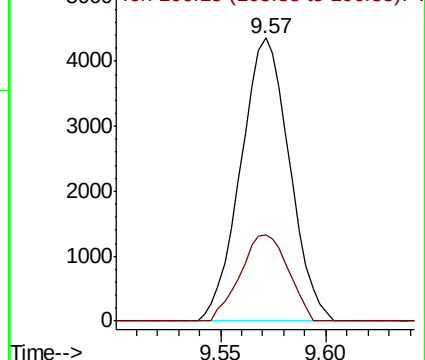
91 100

106 30.7 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 106.15 (105.85 to 106.85): V



#53

m,p-Xylene

Concen: 0.310 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU041234.D

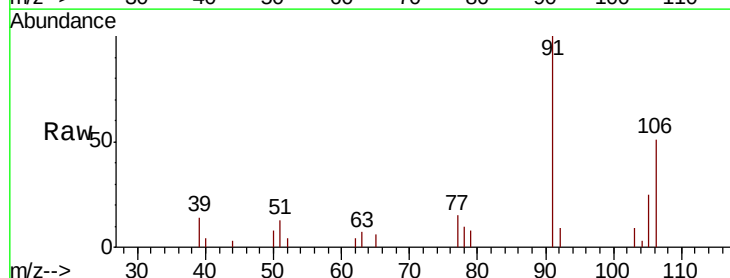
Acq: 16 Nov 2020 08:37

Tgt Ion: 106 Resp: 2502

Ion Ratio Lower Upper

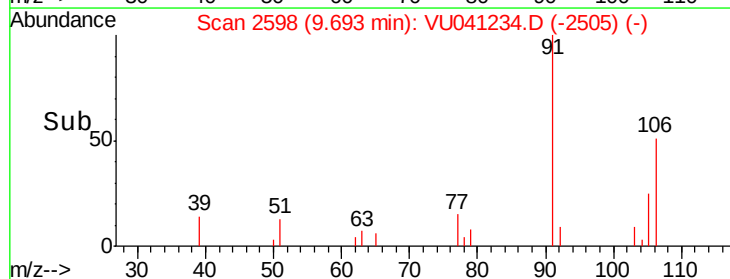
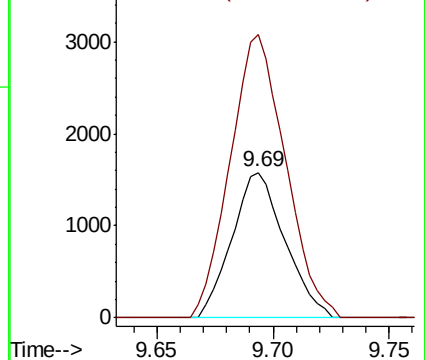
106 100

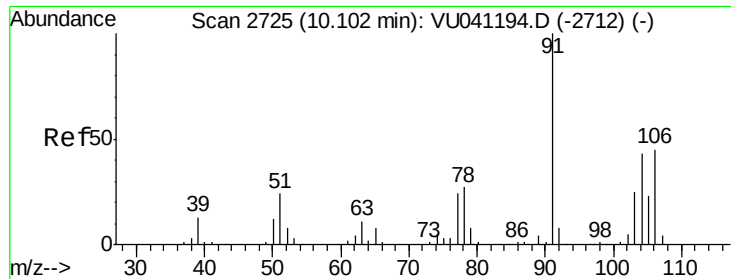
91 194.7 150.9 280.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0

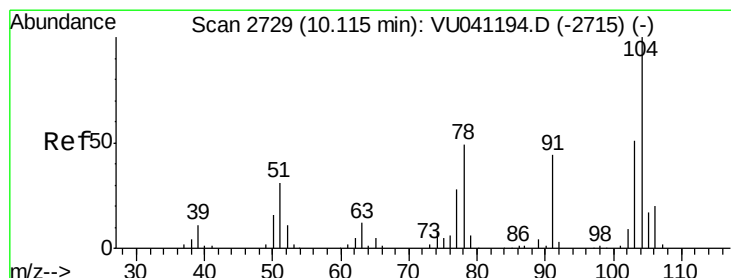
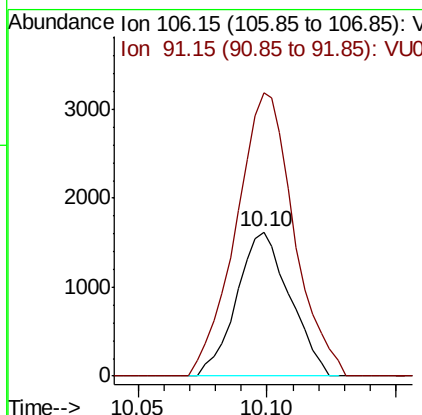
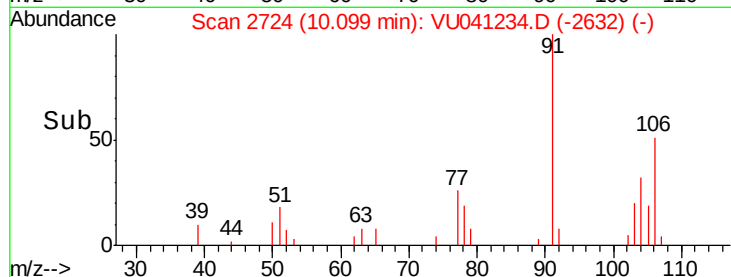
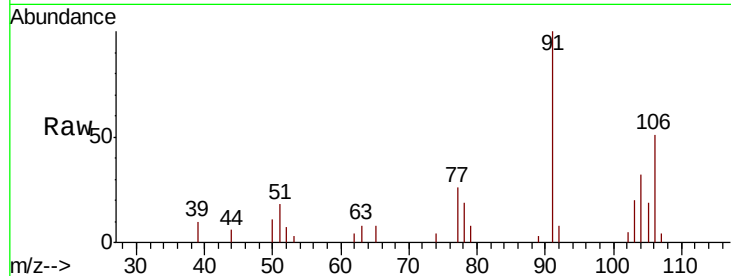




#54
o-Xylene
Concen: 0.310 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU041234.D
Acq: 16 Nov 2020 08:37

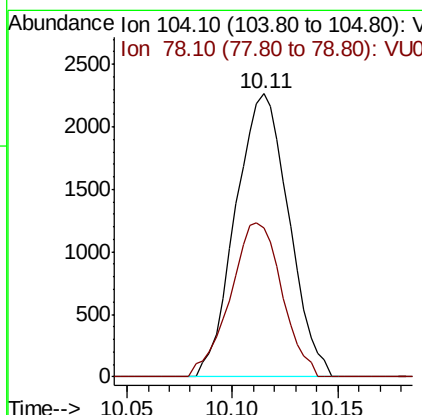
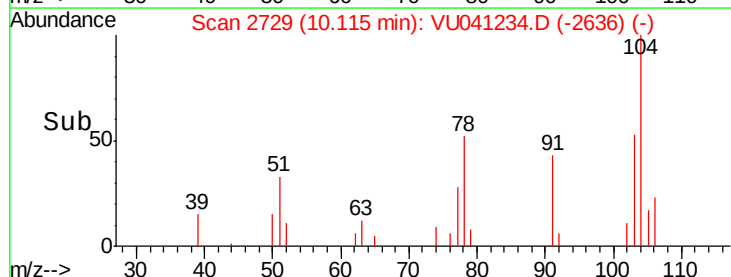
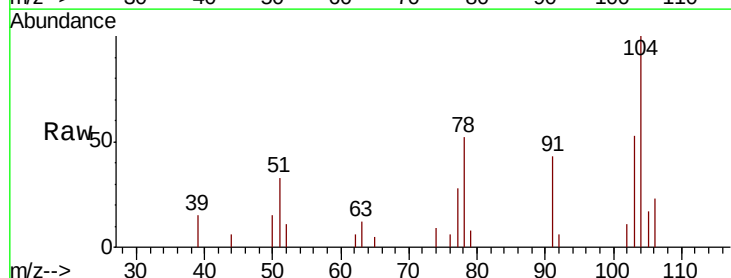
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.502

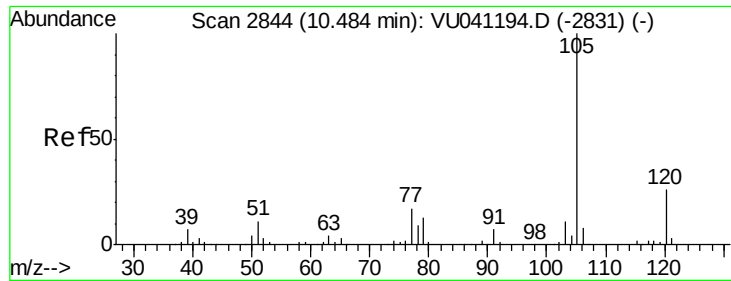
Tot Ion:106 Resp: 2327
Ion Ratio Lower Upper
106 100
91 196.6 154.3 286.5



#55
Styrene
Concen: 0.297 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU041234.D
Acq: 16 Nov 2020 08:37

Tgt Ion:104 Resp: 3980
Ion Ratio Lower Upper
104 100
78 52.4 35.5 65.9





#56

Isopropylbenzene

Concen: 0.298 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU041234.D

Acq: 16 Nov 2020 08:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.502

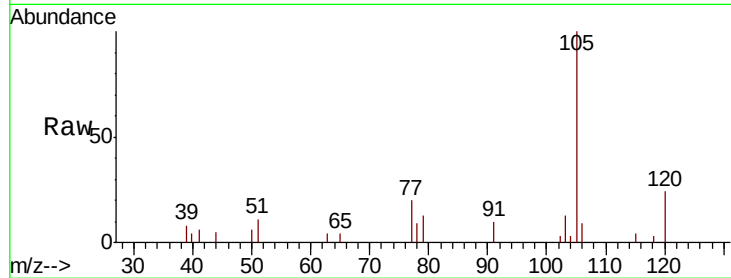
Tot Ion:105 Resp: 6028

Ion Ratio Lower Upper

105 100

120 24.3 20.7 31.1

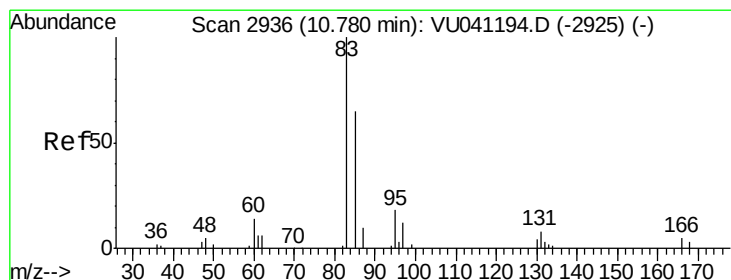
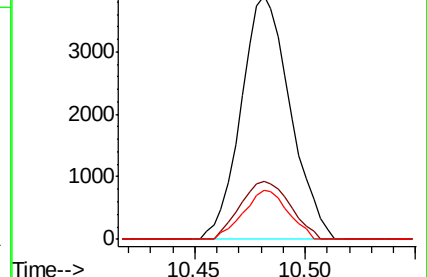
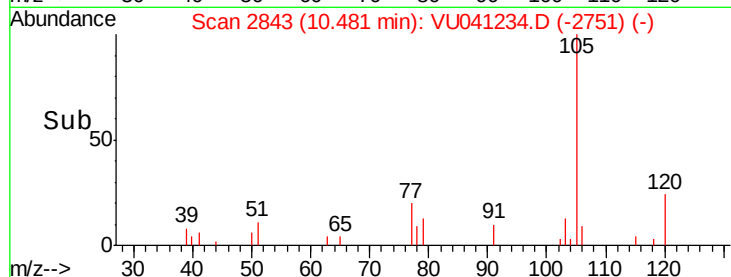
77 18.4 13.8 20.6



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: 0.416 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU041234.D

Acq: 16 Nov 2020 08:37

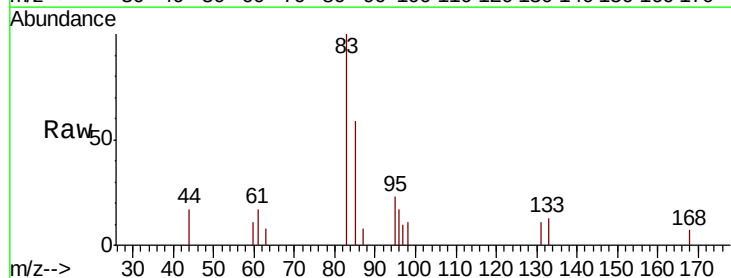
Tgt Ion: 83 Resp: 2282

Ion Ratio Lower Upper

83 100

85 59.2 44.4 82.4

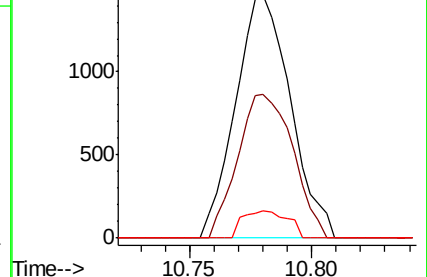
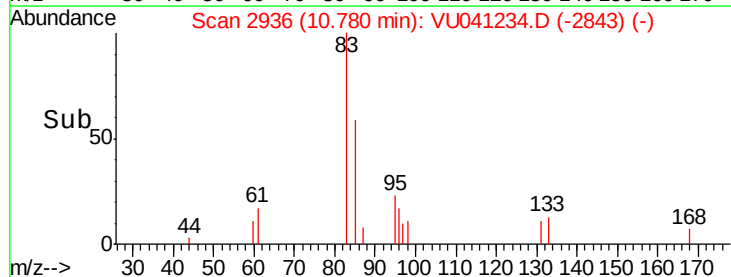
131 11.3 7.7 11.5

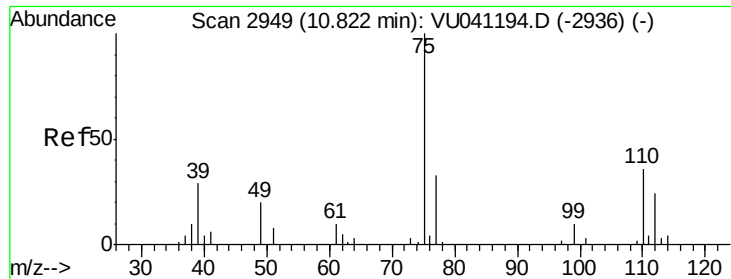


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.371 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU041234.D

Acq: 16 Nov 2020 08:37

Instrument :

MSVOA_U

ClientSampled :

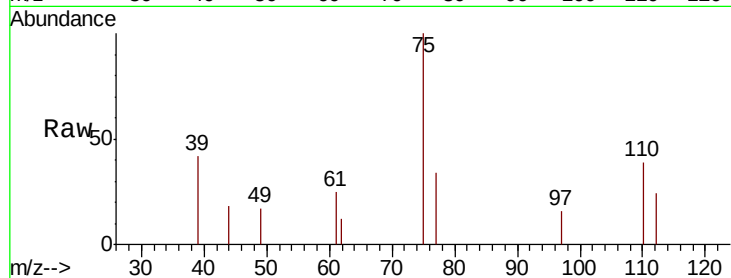
VSTD0.502

Tot Ion: 75 Resp: 1550

Ion Ratio Lower Upper

75 100

77 31.4 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU041194.D (-2936) (-)

Ion 77.00 (76.70 to 77.70): VU041194.D (-2936) (-)

10.82

800

600

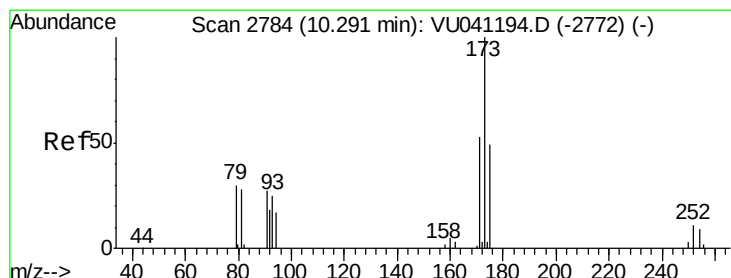
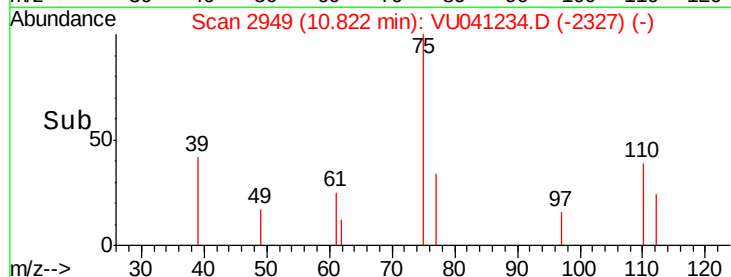
400

200

0

10.80 10.85

Time-->



#61

Bromoform

Concen: 0.426 ug/L

RT: 10.29 min Scan# 2785

Delta R.T. 0.00 min

Lab File: VU041234.D

Acq: 16 Nov 2020 08:37

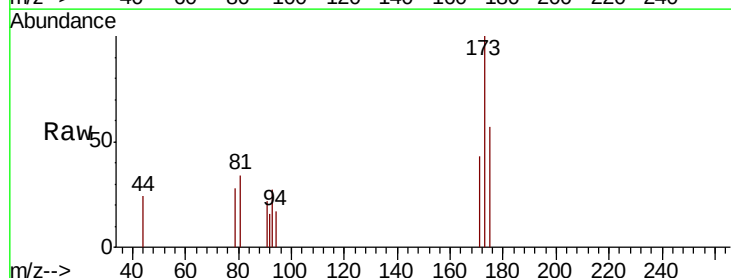
Tgt Ion: 173 Resp: 1098

Ion Ratio Lower Upper

173 100

175 57.2 37.6 56.4#

254 0.0 6.6 9.8#



Abundance Ion 172.90 (172.60 to 173.60): VU041194.D (-2772) (-)

Ion 174.90 (174.60 to 175.60): VU041194.D (-2772) (-)

Ion 253.75 (253.45 to 254.45): VU041194.D (-2772) (-)

10.29

800

600

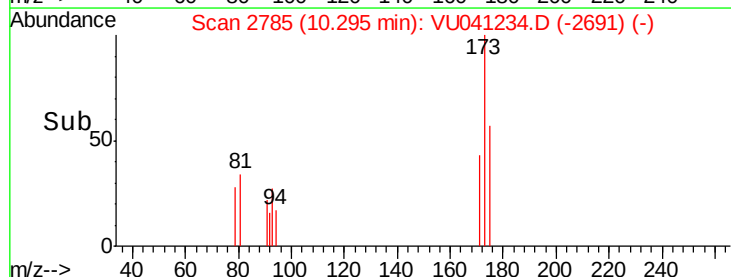
400

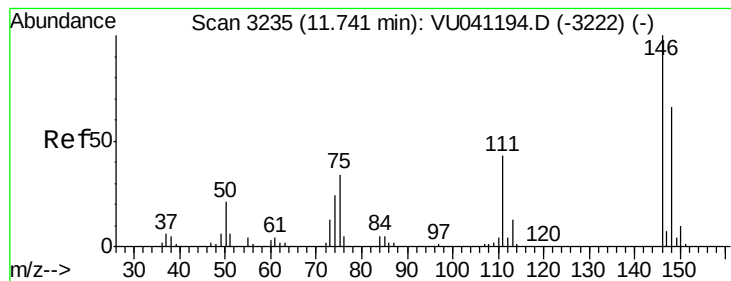
200

0

10.25 10.30

Time-->





#62

1,3-Dichlorobenzene

Concen: 0.355 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU041234.D

Acq: 16 Nov 2020 08:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.502

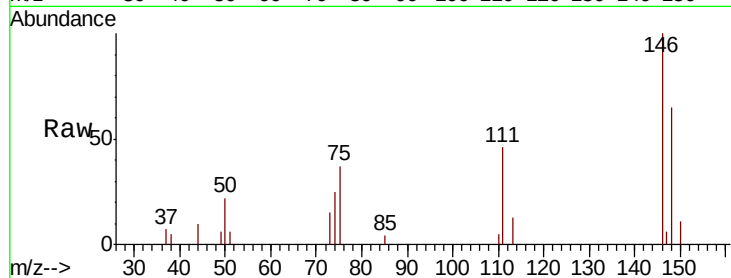
Tot Ion:146 Resp: 3422

Ion Ratio Lower Upper

146 100

111 45.6 30.9 57.3

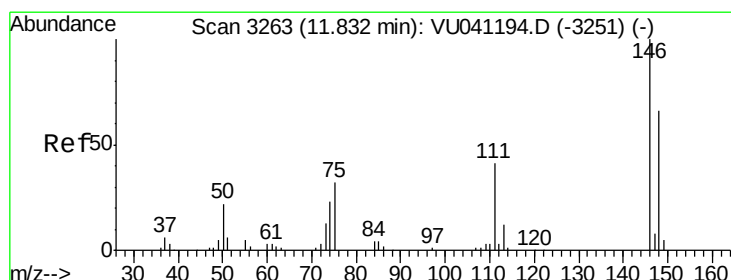
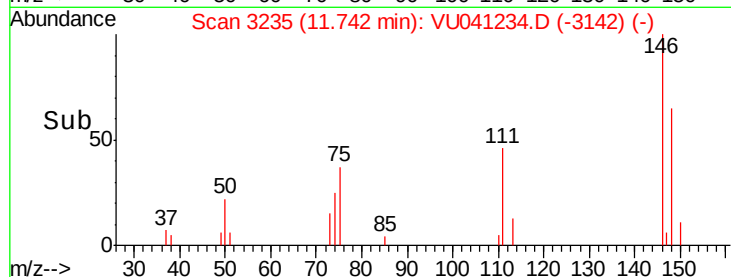
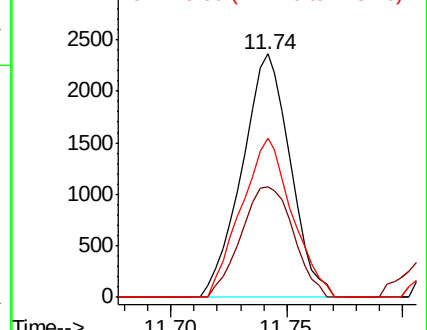
148 65.3 45.8 85.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 0.390 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU041234.D

Acq: 16 Nov 2020 08:37

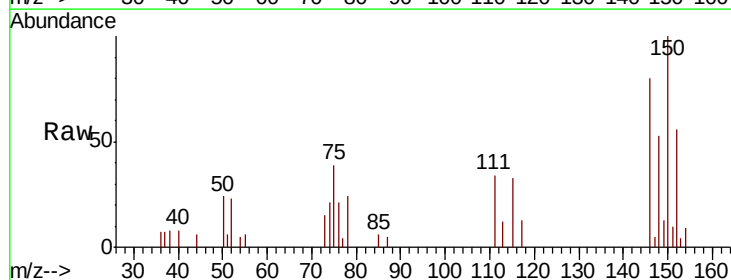
Tgt Ion:146 Resp: 3897

Ion Ratio Lower Upper

146 100

111 42.2 28.3 52.7

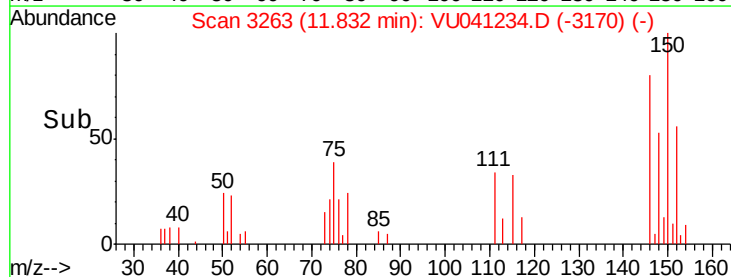
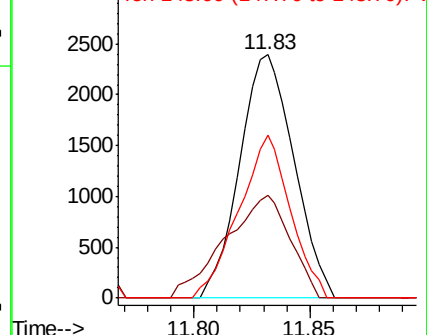
148 66.8 44.2 82.2

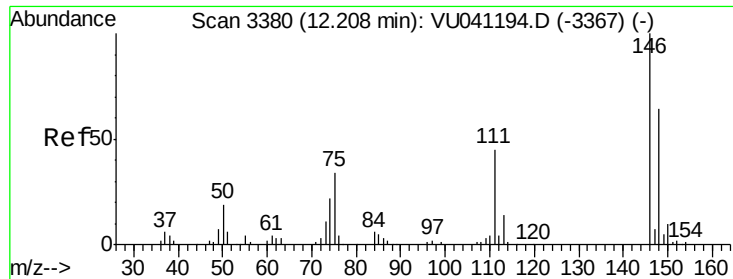


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

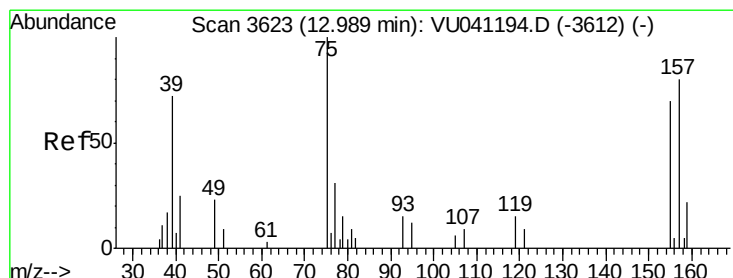
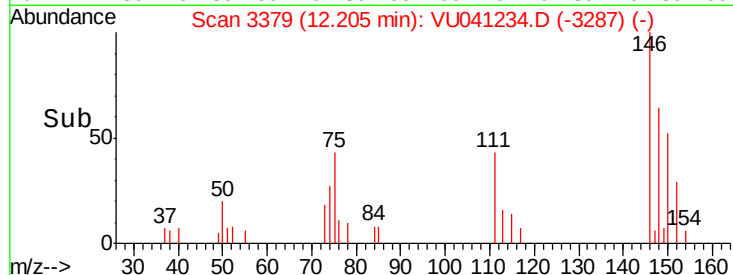
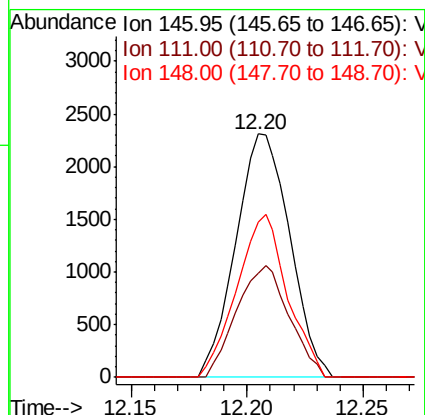
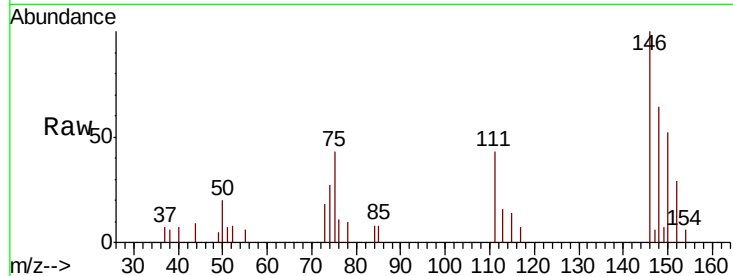




#65
 1,2-Dichlorobenzene
 Concen: 0.392 ug/L
 RT: 12.20 min Scan# 3379
 Delta R.T. -0.00 min
 Lab File: VU041234.D
 Acq: 16 Nov 2020 08:37

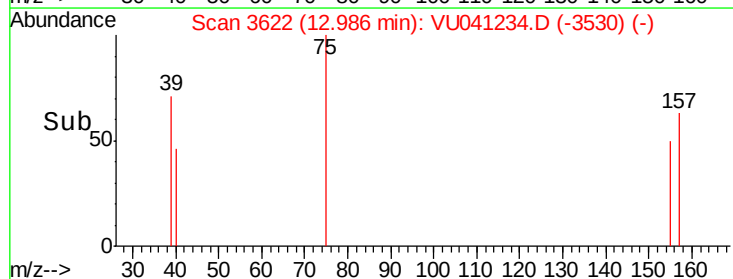
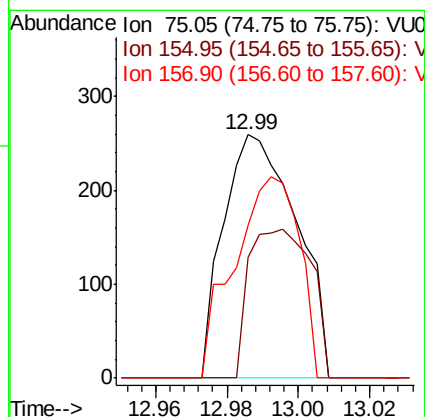
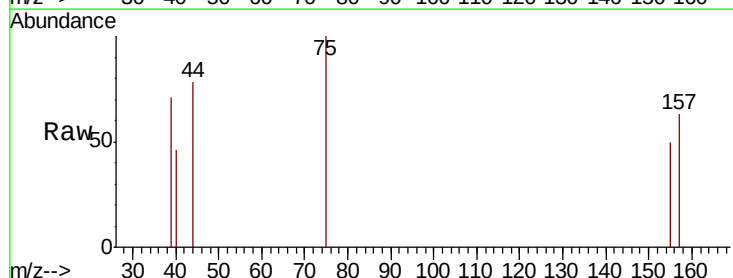
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

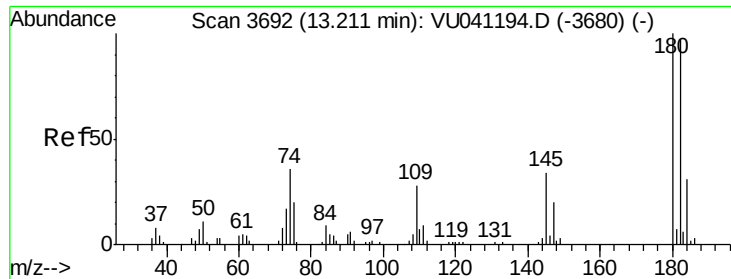
Tot Ion:146 Resp: 3736
 Ion Ratio Lower Upper
 146 100
 111 43.0 35.0 52.6
 148 63.6 52.0 78.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.393 ug/L
 RT: 12.99 min Scan# 3622
 Delta R.T. -0.00 min
 Lab File: VU041234.D
 Acq: 16 Nov 2020 08:37

Tgt Ion: 75 Resp: 367
 Ion Ratio Lower Upper
 75 100
 155 49.8 61.4 92.2#
 157 62.5 74.2 111.4#

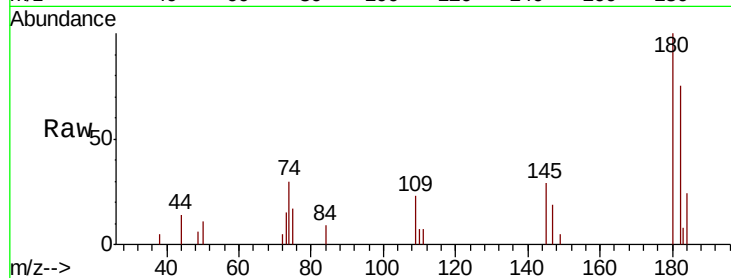




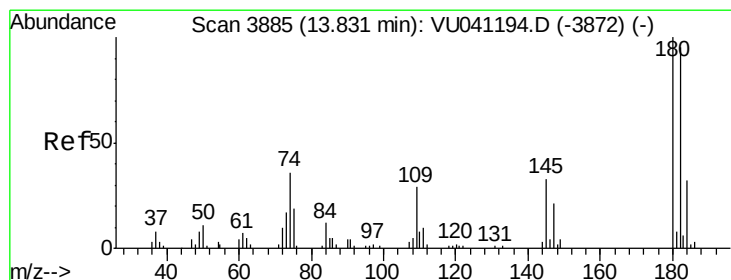
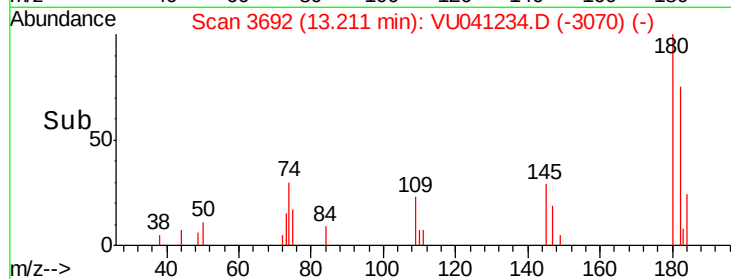
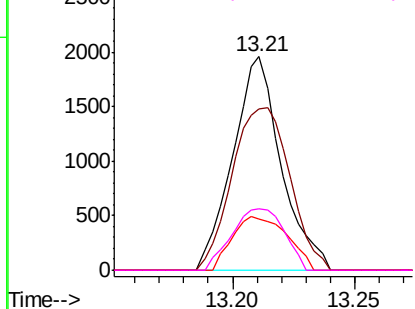
#67
 1,3,5-Trichlorobenzene
 Concen: 0.399 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU041234.D
 Acq: 16 Nov 2020 08:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

Tot Ion:180 Resp: 2690
 Ion Ratio Lower Upper
 180 100
 182 91.0 75.7 113.5
 184 28.7 23.7 35.5
 145 31.3 26.1 39.1

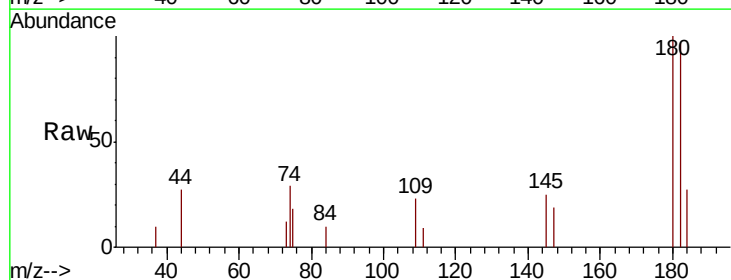


Abundance Ion 180.00 (179.70 to 180.70): V
 3000 Ion 182.00 (181.70 to 182.70): V
 2500 Ion 184.00 (183.70 to 184.70): V
 2000 Ion 145.00 (144.70 to 145.70): V

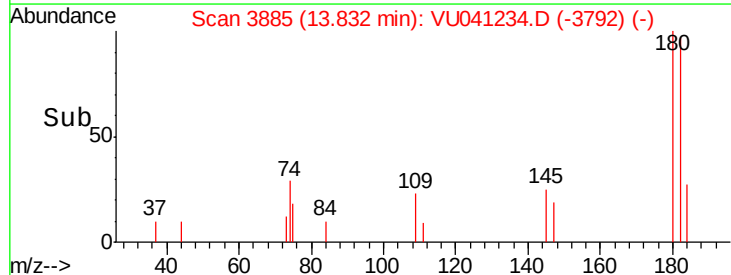
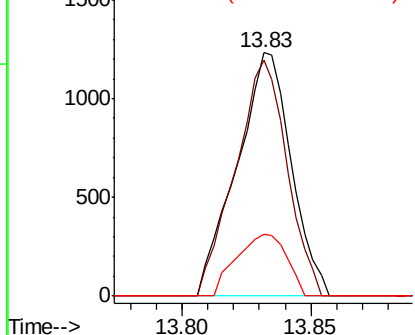


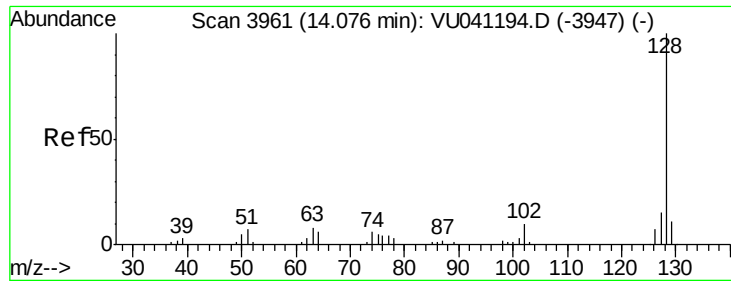
#68
 1,2,4-trichlorobenzene
 Concen: 0.323 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU041234.D
 Acq: 16 Nov 2020 08:37

Tgt Ion:180 Resp: 1808
 Ion Ratio Lower Upper
 180 100
 182 92.0 73.5 110.3
 145 23.4 26.6 40.0#



Abundance Ion 179.90 (179.60 to 180.60): V
 1500 Ion 182.00 (181.70 to 182.70): V
 1000 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 0.202 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. 0.00 min

Lab File: VU041234.D

Acq: 16 Nov 2020 08:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.502

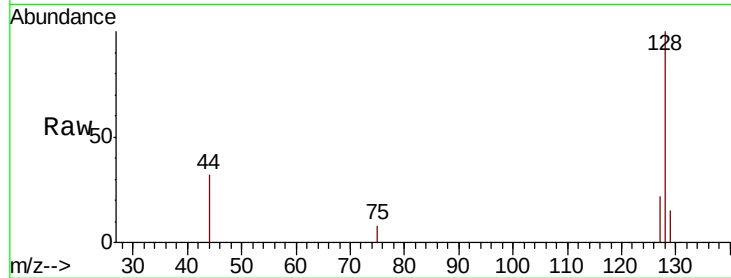
Tot Ion:128 Resp: 2024

Ion Ratio Lower Upper

128 100

129 8.4 8.7 13.1#

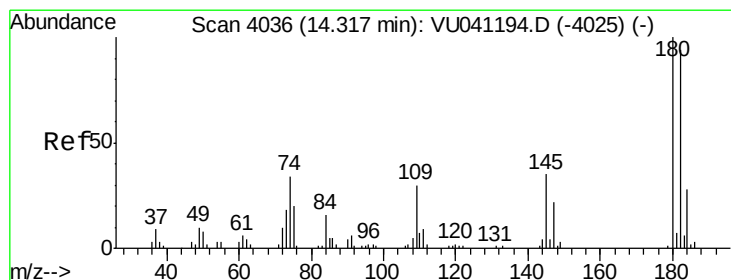
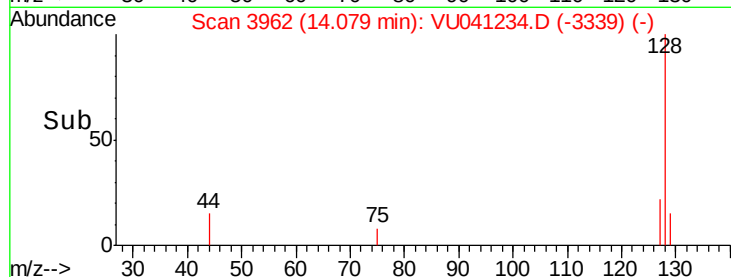
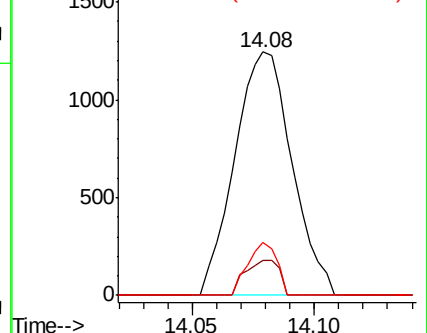
127 10.8 10.8 16.2



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: 0.298 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. 0.00 min

Lab File: VU041234.D

Acq: 16 Nov 2020 08:37

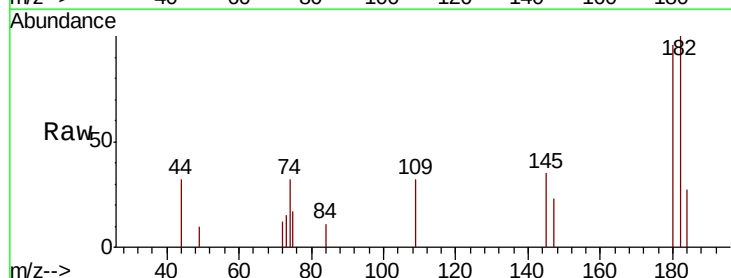
Tgt Ion:180 Resp: 1537

Ion Ratio Lower Upper

180 100

182 101.9 77.7 116.5

145 34.9 29.4 44.0



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

