

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU113020\
 Data File : VU041434.D
 Acq On : 30 Nov 2020 10:01
 Operator : SY/MD
 Sample : VSTD0.533
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5203

Quant Time: Dec 01 00:29:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR113020WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Dec 01 00:28:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	77327	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	78087	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	38786	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	2892	0.47	ug/L	0.00
7) Chloroethane-d5	1.92	69	2146	0.49	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	65	1381	0.49	ug/L	0.00
20) 2-Butanone-d5	4.66	46	8605	5.29	ug/L	0.00
24) Chloroform-d	5.08	84	5876	0.48	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	4165	0.55	ug/L	0.00
32) Benzene-d6	5.74	84	9160	0.47	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	3164	0.56	ug/L	0.00
41) Toluene-d8	7.90	98	8806	0.47	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.18	79	1543	0.51	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	5229	4.46	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.76	84	2835	0.48	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.19	152	3509	0.51	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	3910	0.434 ug/L	96
3) Chloromethane	1.53	50	3180	0.437 ug/L	96
5) Vinyl chloride	1.61	62	3136	0.441 ug/L	99
6) Bromomethane	1.86	94	1796	0.466 ug/L	99
8) Chloroethane	1.94	64	2770	0.627 ug/L	93
9) Trichlorofluoromethane	2.15	101	5211	0.410 ug/L	90
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	2434	0.407 ug/L	96
12) 1,1-Dichloroethene	2.59	96	1966	0.386 ug/L #	66
13) Acetone	2.66	43	6345	5.114 ug/L	76
14) Carbon disulfide	2.81	76	6189	0.423 ug/L	97
15) Methyl Acetate	2.97	43	976	0.387 ug/L #	73
16) Methylene chloride	3.06	84	3286	0.429 ug/L	95
17) Methyl tert-butyl Ether	3.38	73	6670	0.456 ug/L	98
18) trans-1,2-Dichloroethene	3.37	96	2021	0.393 ug/L	92
19) 1,1-Dichloroethane	3.89	63	4545	0.436 ug/L	98
21) 2-Butanone	4.74	43	8521	4.814 ug/L	97
22) cis-1,2-Dichloroethene	4.69	96	2357	0.406 ug/L	88
23) Bromochloromethane	4.99	128	1270	0.455 ug/L	96
25) Chloroform	5.10	83	5828	0.473 ug/L	97
27) 1,2-Dichloroethane	5.81	62	4052	0.448 ug/L	99
29) 1,1,1-Trichloroethane	5.33	97	4840	0.437 ug/L	99
30) Cyclohexane	5.41	56	2977	0.378 ug/L	94
31) Carbon tetrachloride	5.54	117	4489	0.447 ug/L	97
33) Benzene	5.79	78	9695	0.444 ug/L	100
34) Trichloroethene	6.55	95	2878	0.492 ug/L	93
35) Methylcyclohexane	6.77	83	3449	0.426 ug/L	93
37) 1,2-Dichloropropane	6.80	63	2554	0.463 ug/L #	88
38) Bromodichloromethane	7.11	83	3991	0.457 ug/L	99
39) cis-1,3-Dichloropropene	7.61	75	3606	0.417 ug/L	97
40) 4-Methyl-2-pentanone	7.80	43	16751	4.289 ug/L	99

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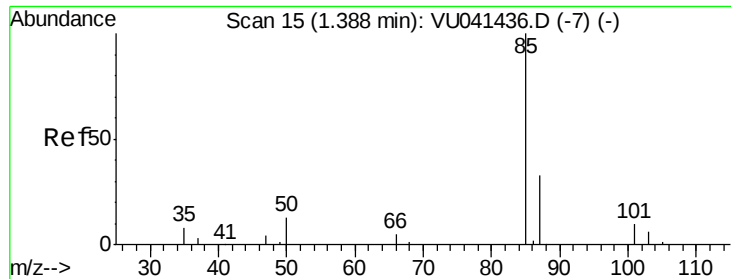
Quant Time: Dec 01 00:29:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR113020WMA.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.98	91	9734	0.416	ug/L	97
44) trans-1,3-Dichloropropene	8.21	75	3529	0.421	ug/L	97
45) 1,1,2-Trichloroethane	8.41	97	2051	0.463	ug/L	94
47) Tetrachloroethene	8.56	164	1775	0.391	ug/L	97
48) 2-Hexanone	8.69	43	12611	4.162	ug/L	96
49) Dibromochloromethane	8.82	129	2711	0.462	ug/L	83
50) 1,2-Dibromoethane	8.93	107	1935	0.443	ug/L #	98
51) Chlorobenzene	9.45	112	6759	0.426	ug/L	99
52) Ethylbenzene	9.57	91	10744	0.400	ug/L	100
53) m,p-Xylene	9.69	106	3661	0.377	ug/L	99
54) o-Xylene	10.10	106	3471	0.372	ug/L	94
55) Styrene	10.11	104	5807	0.352	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.78	83	2689	0.457	ug/L #	96
59) Bromoform	10.29	173	1404	0.453	ug/L #	93
60) Isopropylbenzene	10.48	105	9299	0.392	ug/L	99
61) 1,2,3-Trichloropropane	10.82	75	2030	0.492	ug/L #	88
62) 1,3,5-Trimethylbenzene	11.09	105	7487	0.371	ug/L	96
63) 1,2,4-Trimethylbenzene	11.47	105	7562	0.363	ug/L	98
64) 1,3-Dichlorobenzene	11.74	146	5065	0.419	ug/L	92
65) 1,4-Dichlorobenzene	11.83	146	5121	0.414	ug/L	91
67) 1,2-Dichlorobenzene	12.21	146	5343	0.456	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.99	75	528	0.492	ug/L #	84
69) 1,3,5-Trichlorobenzene	13.21	180	3926	0.422	ug/L	98
70) 1,2,4-trichlorobenzene	13.83	180	3032	0.391	ug/L	96
71) Naphthalene	14.08	128	4309	0.323	ug/L #	94
72) 1,2,3-Trichlorobenzene	14.32	180	2570	0.354	ug/L	96

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

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#2

Dichlorodifluoromethane

Concen: 0.434 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041434.D

Acq: 30 Nov 2020 10:01

Instrument :

MSVOA_U

ClientSampleId :

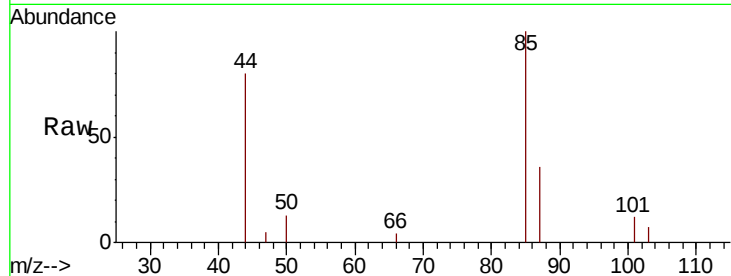
VSTD0.5203

Tot Ion: 85 Resp: 3910

Ion Ratio Lower Upper

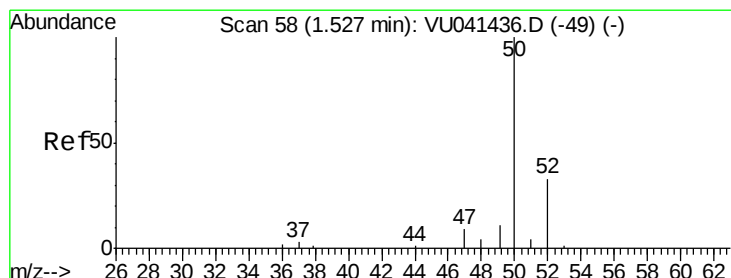
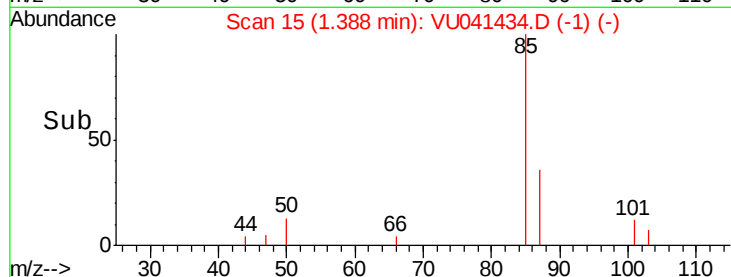
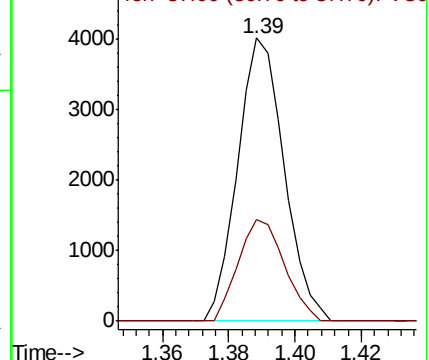
85 100

87 35.5 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 0.437 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU041434.D

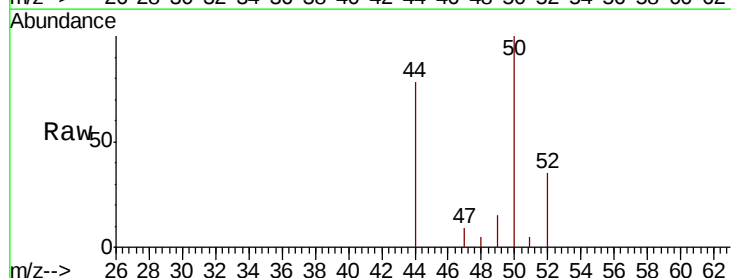
Acq: 30 Nov 2020 10:01

Tgt Ion: 50 Resp: 3180

Ion Ratio Lower Upper

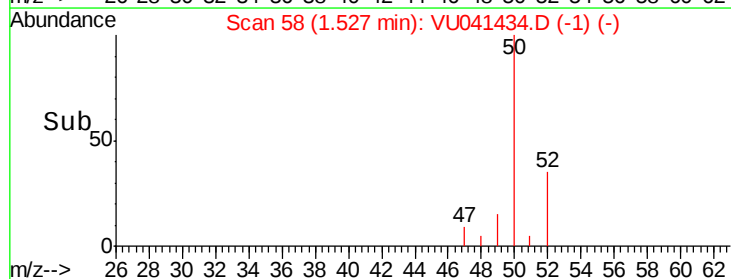
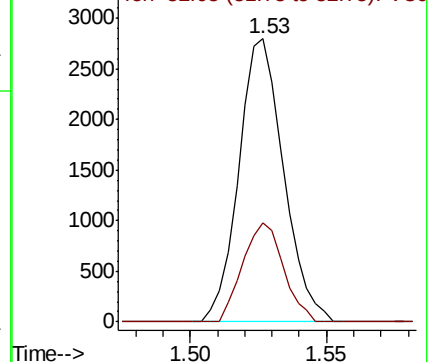
50 100

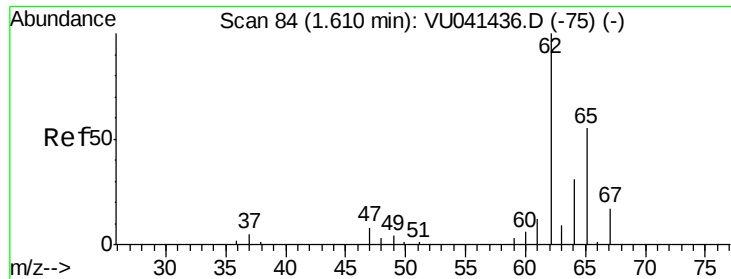
52 34.9 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 0.441 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041434.D

Acq: 30 Nov 2020 10:01

Instrument :

MSVOA_U

ClientSampleId :

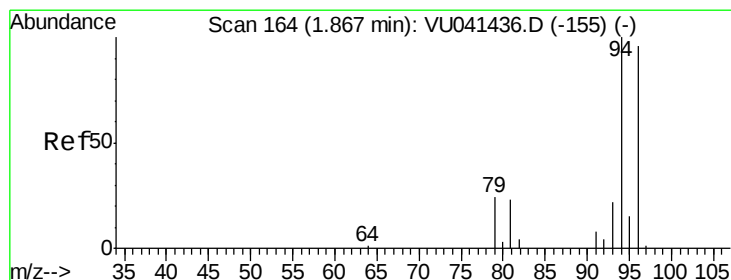
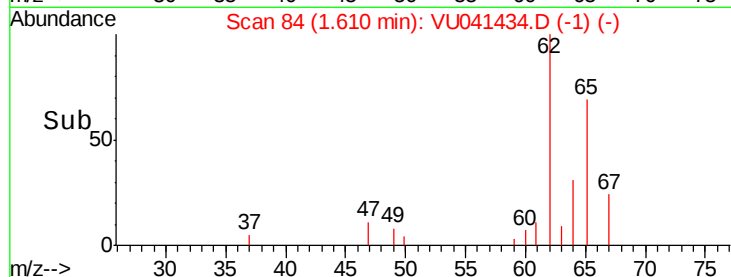
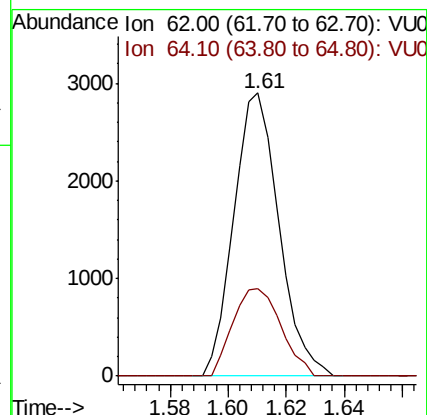
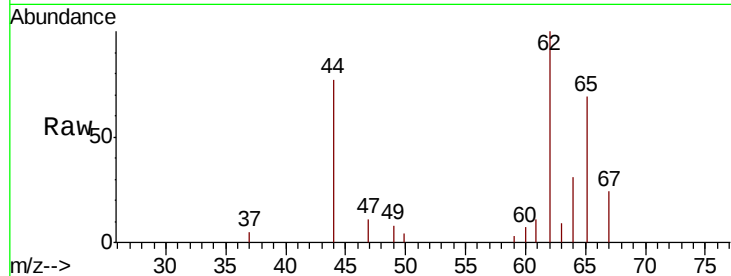
VSTD0.5203

Tot Ion: 62 Resp: 3136

Ion Ratio Lower Upper

62 100

64 30.8 22.0 40.8



#6

Bromomethane

Concen: 0.466 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU041434.D

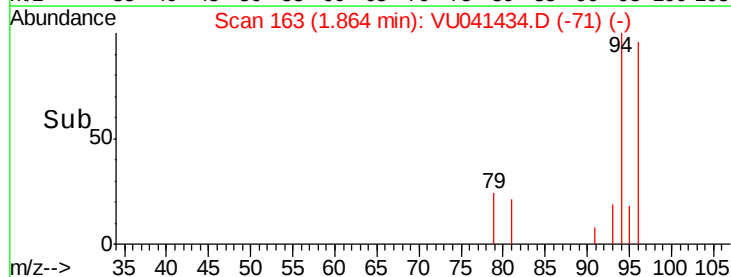
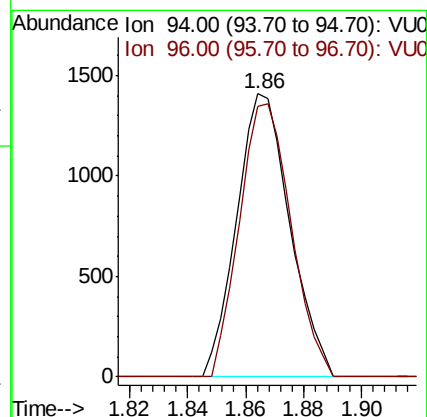
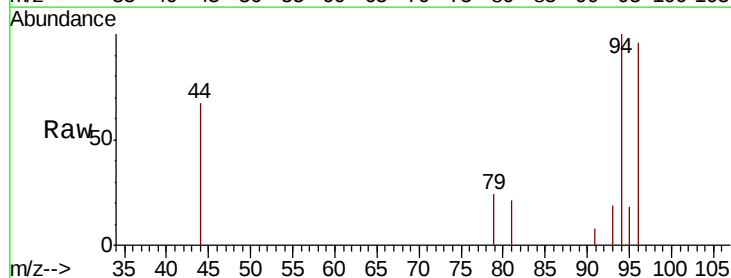
Acq: 30 Nov 2020 10:01

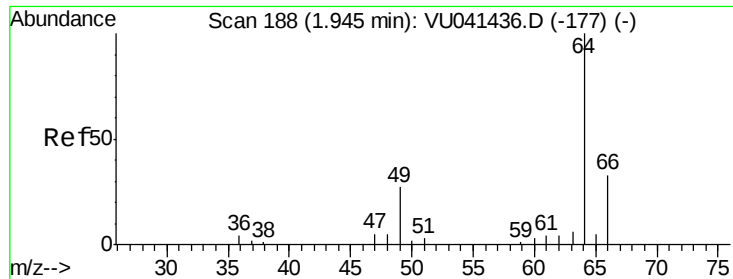
Tgt Ion: 94 Resp: 1796

Ion Ratio Lower Upper

94 100

96 95.7 67.5 125.3





#8

Chloroethane

Concen: 0.627 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU041434.D

Acq: 30 Nov 2020 10:01

Instrument :

MSVOA_U

ClientSampleId :

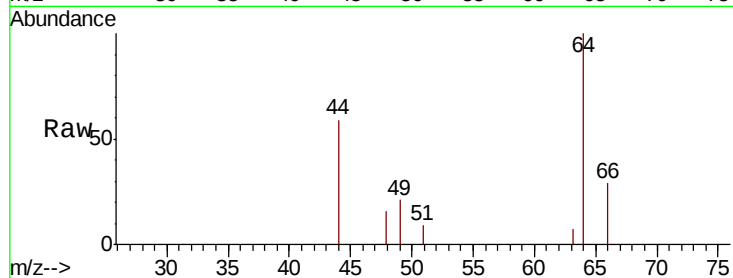
VSTD0.5203

Tot Ion: 64 Resp: 2770

Ion Ratio Lower Upper

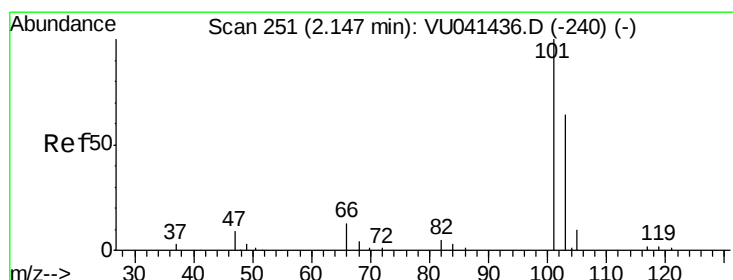
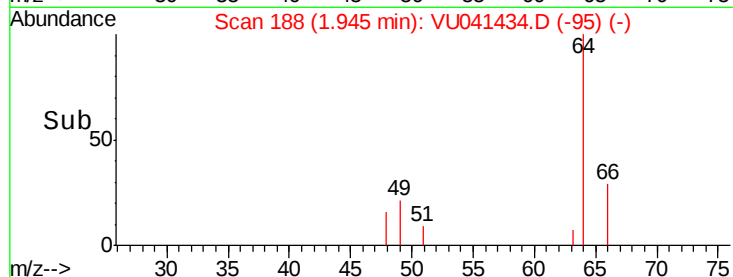
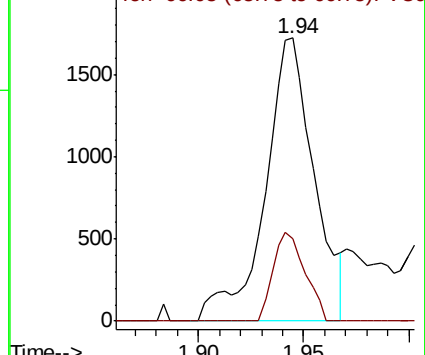
64 100

66 29.0 23.0 42.8



Abundance Ion 64.10 (63.80 to 64.80): VU041434.D (-177) (-)

Ion 66.05 (65.75 to 66.75): VU041434.D (-177) (-)



#9

Trichlorofluoromethane

Concen: 0.410 ug/L

RT: 2.15 min Scan# 252

Delta R.T. 0.00 min

Lab File: VU041434.D

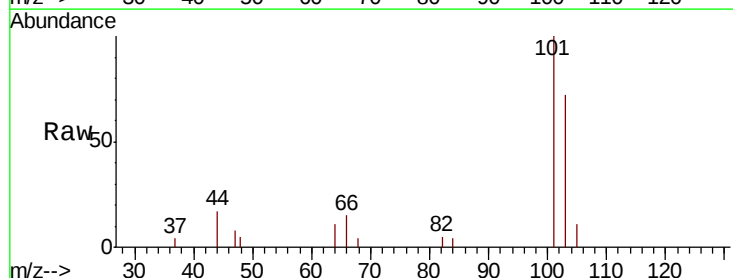
Acq: 30 Nov 2020 10:01

Tgt Ion: 101 Resp: 5211

Ion Ratio Lower Upper

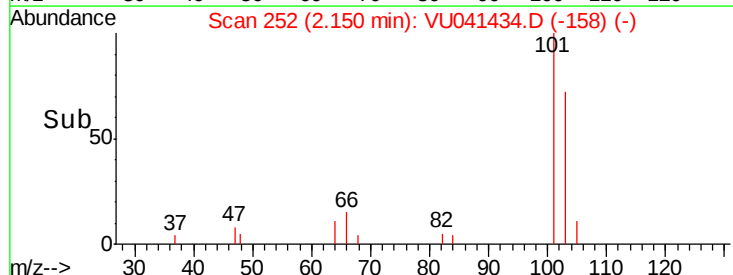
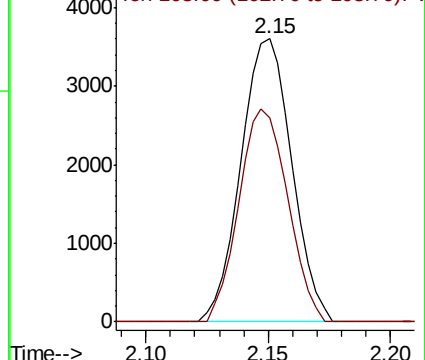
101 100

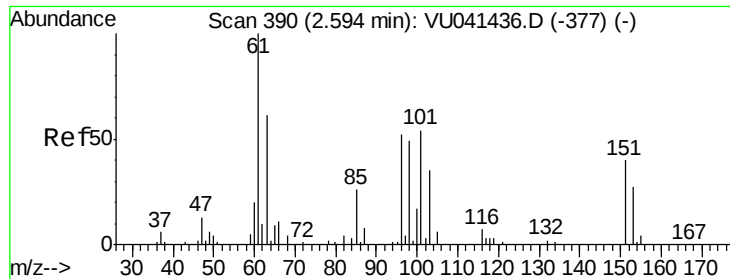
103 72.3 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): VU041434.D (-240) (-)

Ion 103.00 (102.70 to 103.70): VU041434.D (-240) (-)





#10

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

Concen: 0.407 ug/L

RT: 2.60 min Scan# 391

Delta R.T. 0.00 min

Lab File: VU041434.D

Acq: 30 Nov 2020 10:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5203

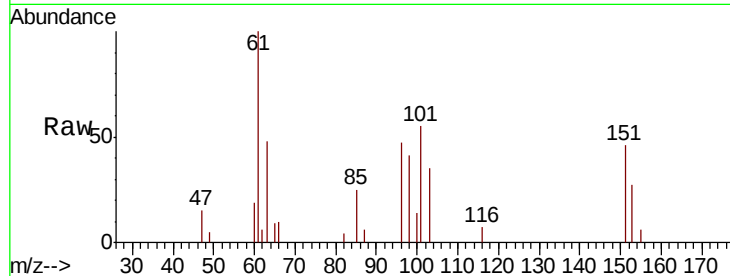
Tot Ion:101 Resp: 2434

Ion Ratio Lower Upper

101 100

85 42.9 39.4 59.0

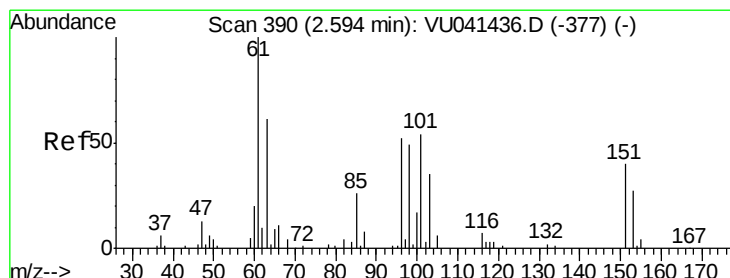
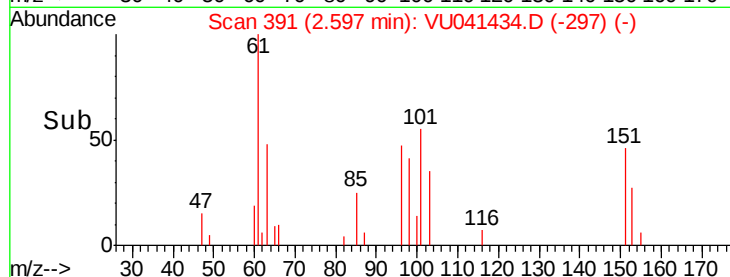
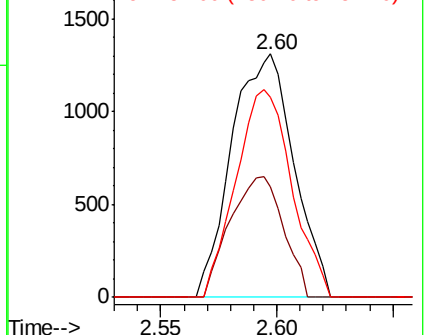
151 76.9 60.7 91.1



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: 0.386 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU041434.D

Acq: 30 Nov 2020 10:01

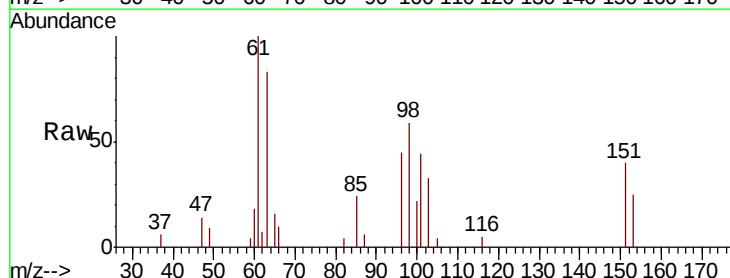
Tgt Ion: 96 Resp: 1966

Ion Ratio Lower Upper

96 100

61 220.9 133.3 247.7

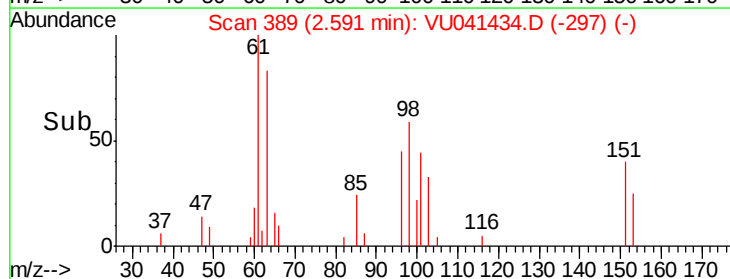
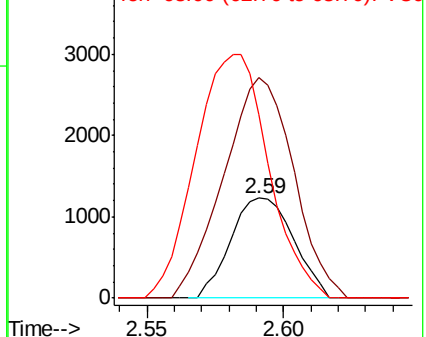
63 184.0 86.6 160.8#

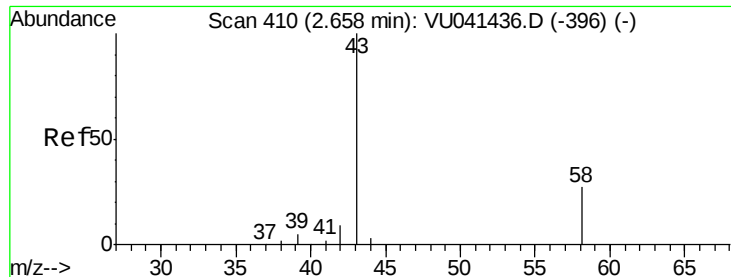


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 5.114 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU041434.D

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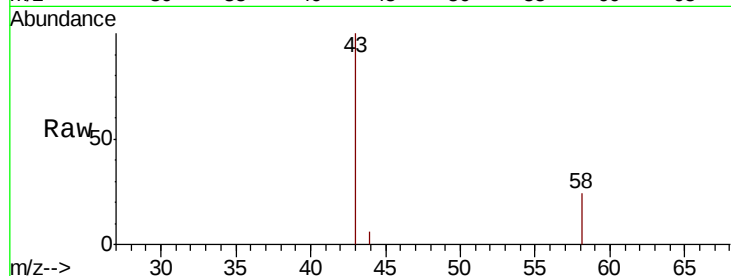
VSTD0.5203

Tot Ion: 43 Resp: 6345

Ion Ratio Lower Upper

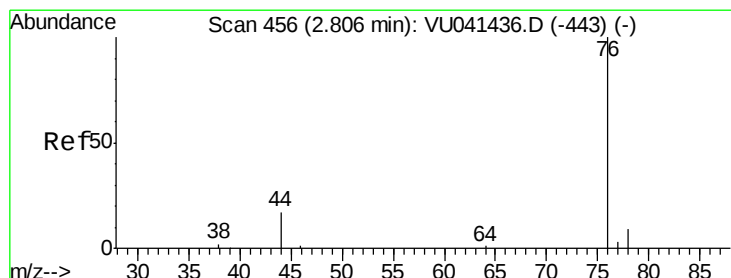
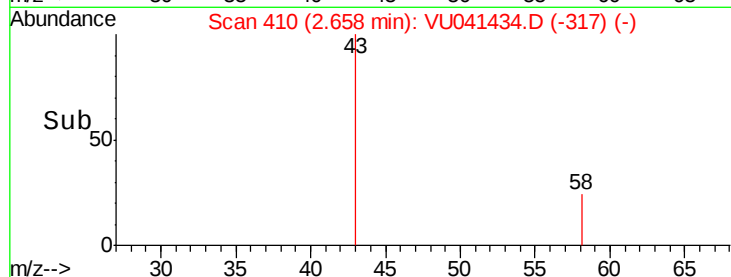
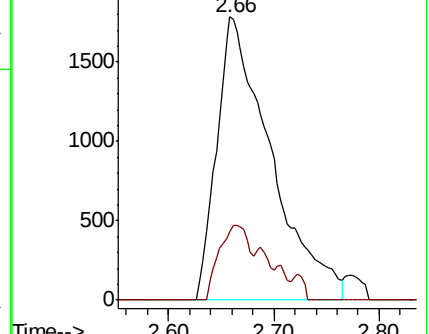
43 100

58 14.9 0.0 54.8



Abundance Ion 43.05 (42.75 to 43.75): VU041434.D (-396) (-)

Ion 58.05 (57.75 to 58.75): VU041434.D (-396) (-)



#14

Carbon disulfide

Concen: 0.423 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU041434.D

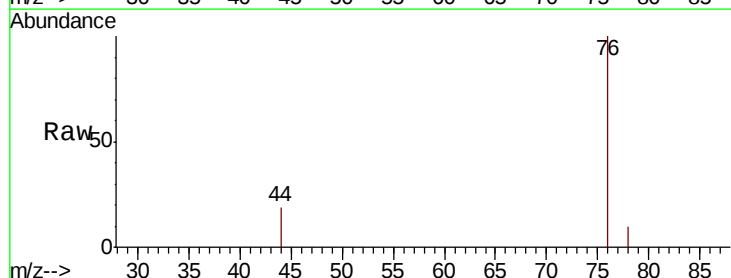
Acq: 30 Nov 2020 10:01

Tgt Ion: 76 Resp: 6189

Ion Ratio Lower Upper

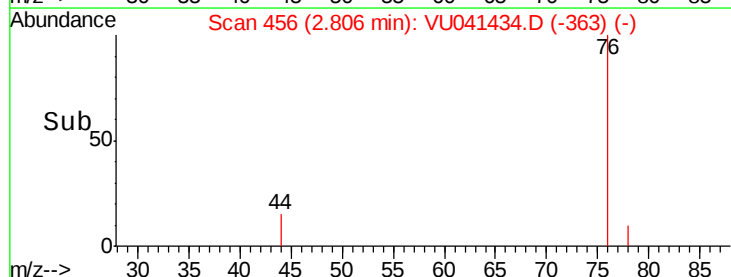
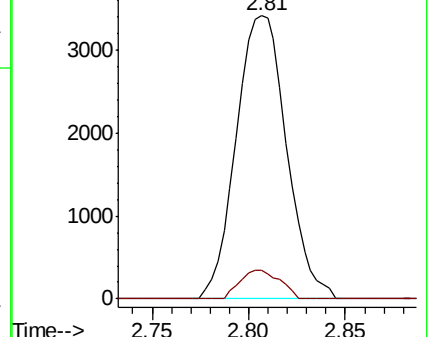
76 100

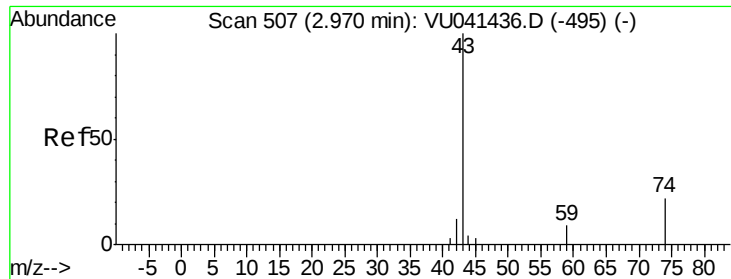
78 10.0 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU041434.D (-363) (-)

Ion 78.00 (77.70 to 78.70): VU041434.D (-363) (-)





#15

Methyl Acetate

Concen: 0.387 ug/L

RT: 2.97 min Scan# 508

Delta R.T. 0.00 min

Lab File: VU041434.D

Acq: 30 Nov 2020 10:01

Instrument :

MSVOA_U

ClientSampled :

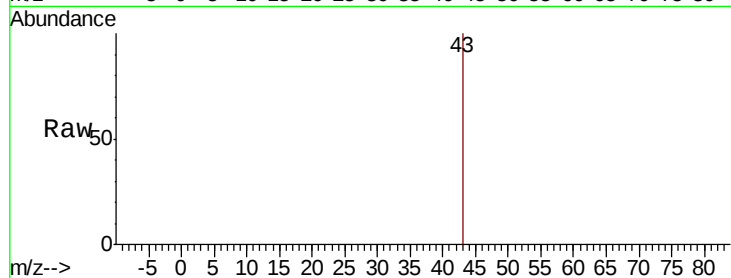
VSTD0.5203

Tot Ion: 43 Resp: 976

Ion Ratio Lower Upper

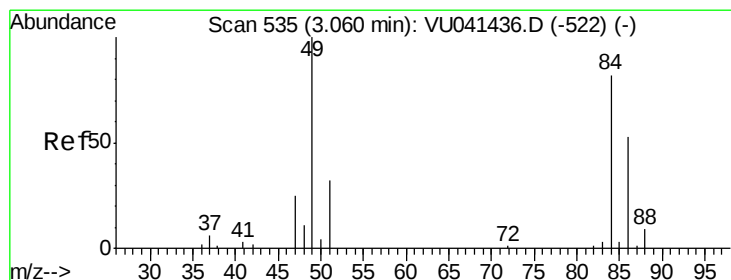
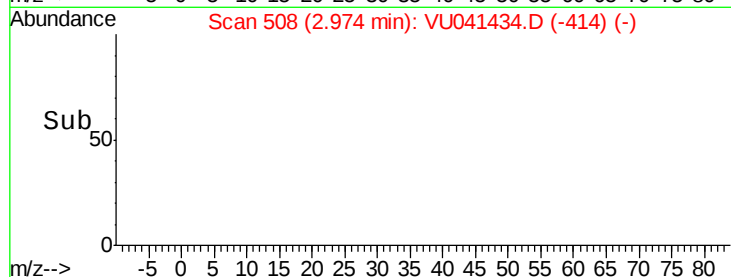
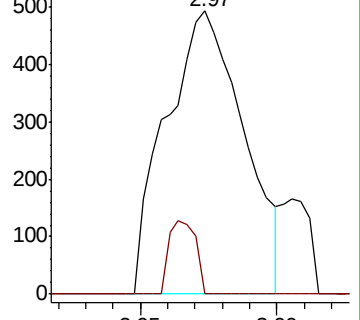
43 100

74 9.1 17.8 26.6#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 0.429 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU041434.D

Acq: 30 Nov 2020 10:01

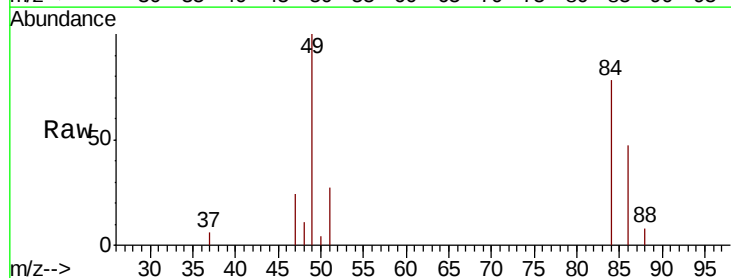
Tgt Ion: 84 Resp: 3286

Ion Ratio Lower Upper

84 100

86 60.6 44.8 83.2

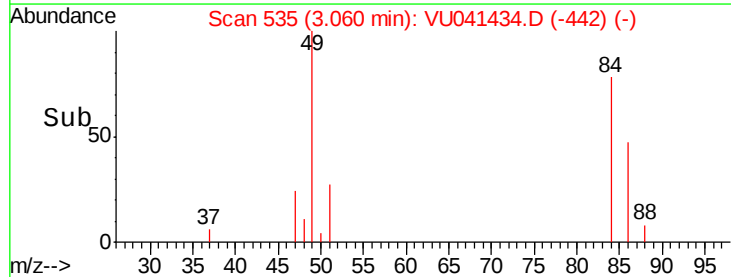
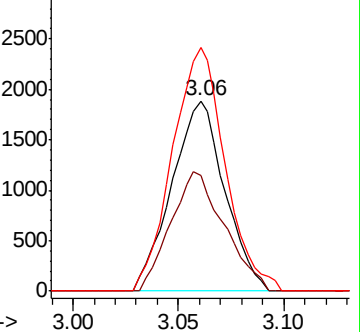
49 127.9 85.3 158.3

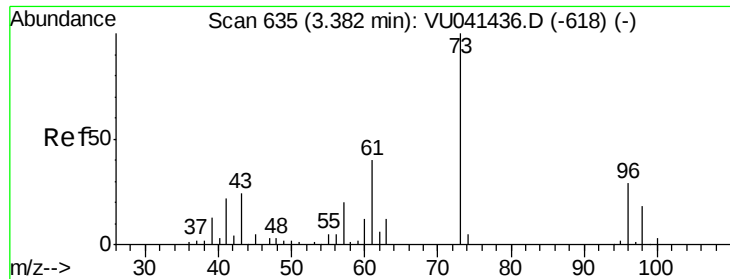


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

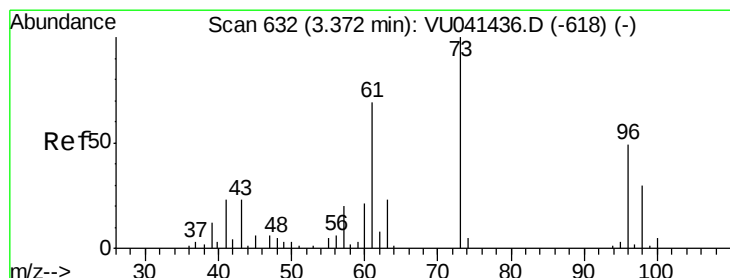
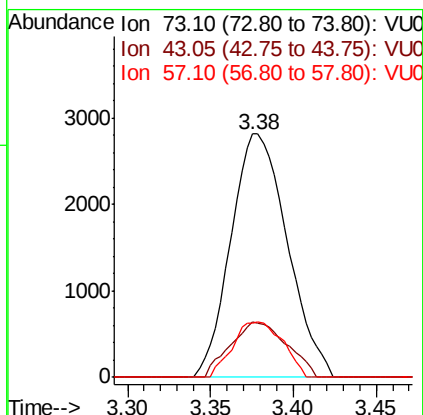
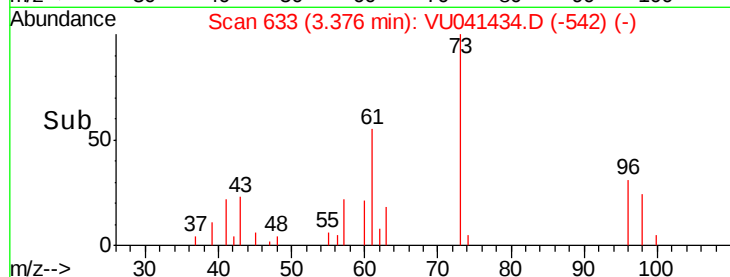
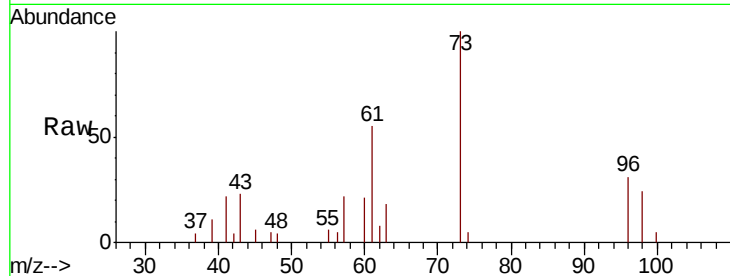




#17
Methvl tert-butvl Ether
Concen: 0.456 ug/L
RT: 3.38 min Scan# 633
Delta R.T. -0.01 min
Lab File: VU041434.D
Acq: 30 Nov 2020 10:01

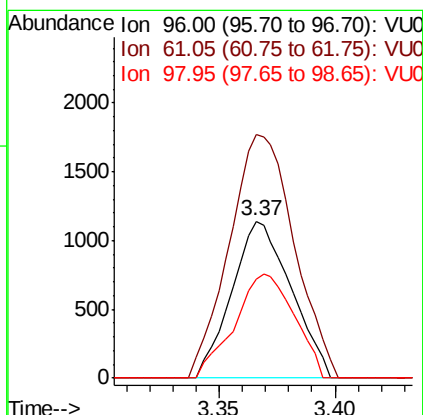
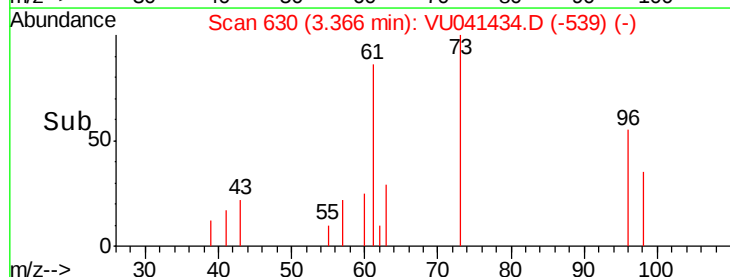
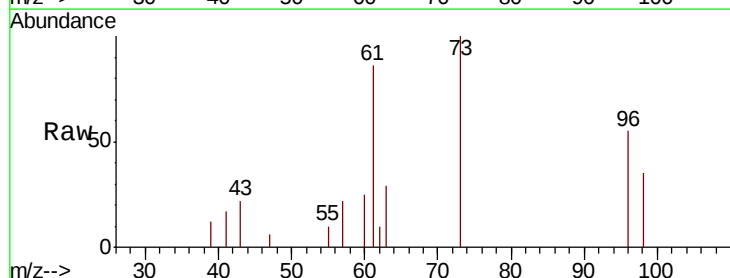
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5203

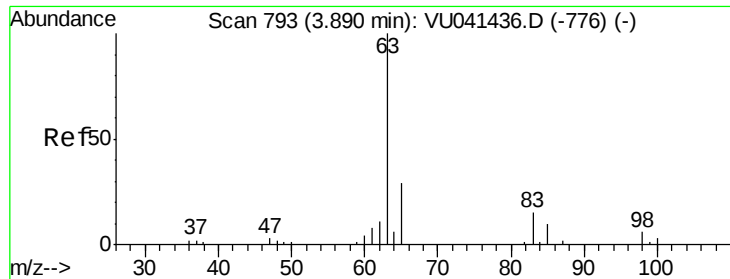
Tot Ion: 73 Resp: 6670
Ion Ratio Lower Upper
73 100
43 22.6 19.2 28.8
57 20.0 16.5 24.7



#18
trans-1,2-Dichloroethene
Concen: 0.393 ug/L
RT: 3.37 min Scan# 630
Delta R.T. -0.01 min
Lab File: VU041434.D
Acq: 30 Nov 2020 10:01

Tgt Ion: 96 Resp: 2021
Ion Ratio Lower Upper
96 100
61 154.9 100.0 185.6
98 62.7 42.6 79.2

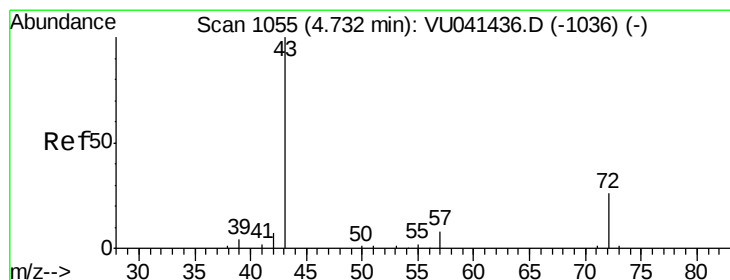
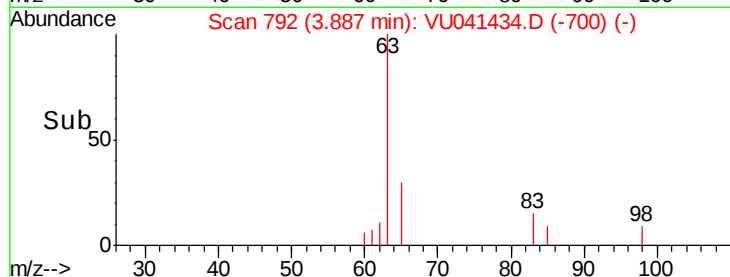
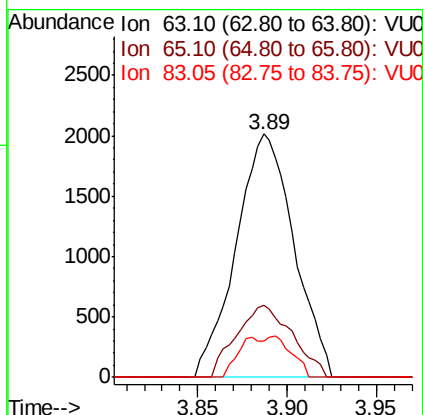
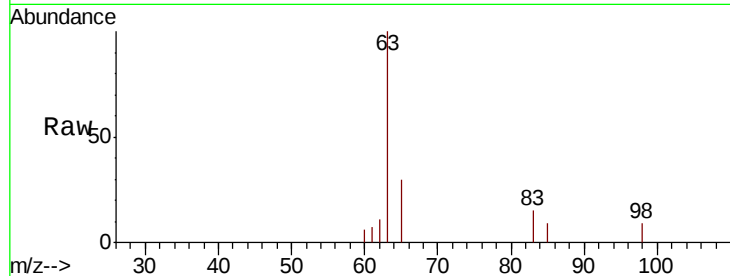




#19
 1,1-Dichloroethane
 Concen: 0.436 ug/L
 RT: 3.89 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: VU041434.D
 Acq: 30 Nov 2020 10:01

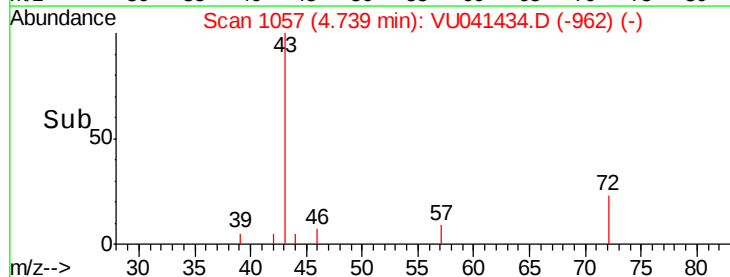
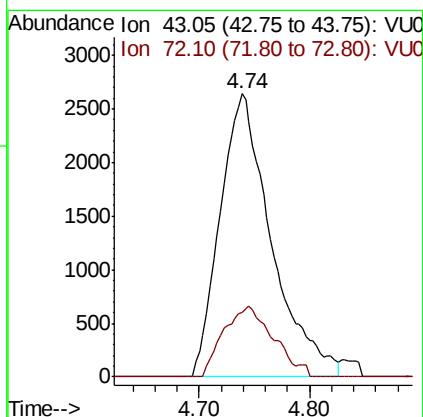
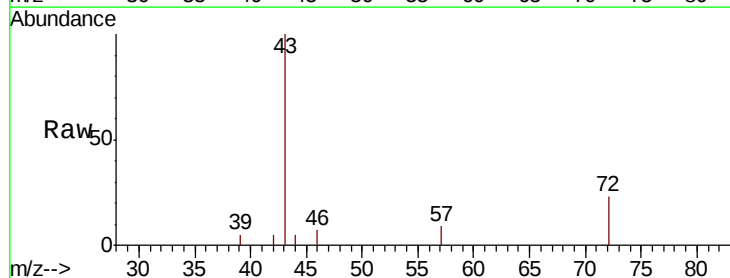
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5203

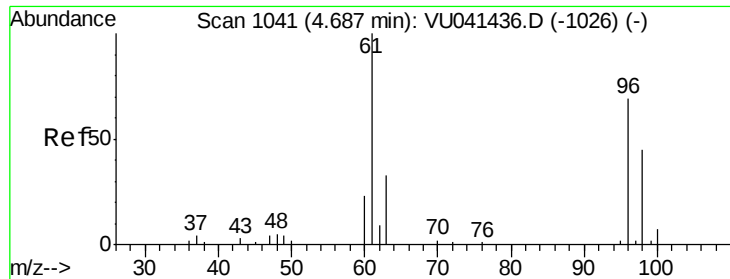
Tot Ion: 63 Resp: 4545
 Ion Ratio Lower Upper
 63 100
 65 29.9 20.2 37.6
 83 14.8 10.8 20.0



#21
 2-Butanone
 Concen: 4.814 ug/L
 RT: 4.74 min Scan# 1057
 Delta R.T. 0.01 min
 Lab File: VU041434.D
 Acq: 30 Nov 2020 10:01

Tgt Ion: 43 Resp: 8521
 Ion Ratio Lower Upper
 43 100
 72 24.3 12.9 38.6





#22

cis-1,2-Dichloroethene

Concen: 0.406 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU041434.D

Acq: 30 Nov 2020 10:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5203

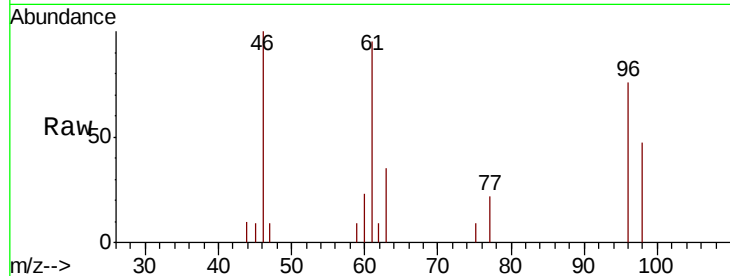
Tot Ion: 96 Resp: 2357

Ion Ratio Lower Upper

96 100

61 125.8 102.2 189.8

98 62.5 45.6 84.6

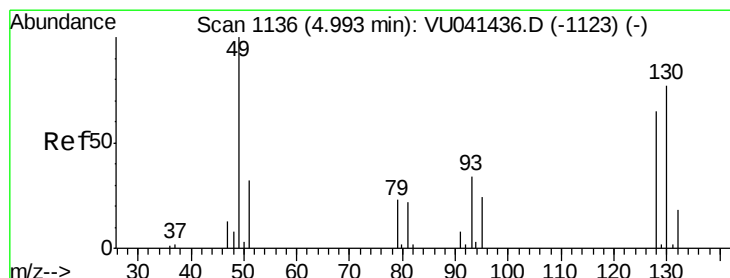
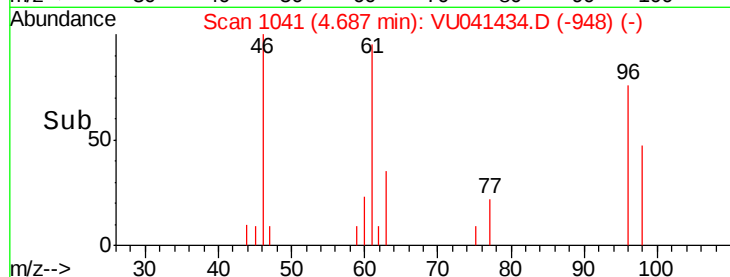
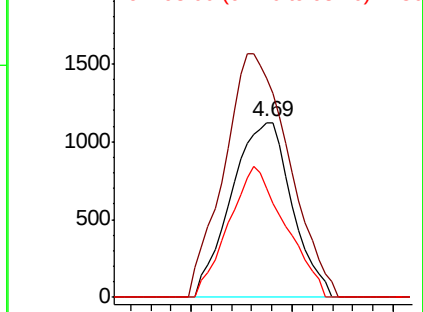


Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 98.00 (97.70 to 98.70): VU0



#23

Bromochloromethane

Concen: 0.455 ug/L

RT: 4.99 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VU041434.D

Acq: 30 Nov 2020 10:01

Tgt Ion: 128 Resp: 1270

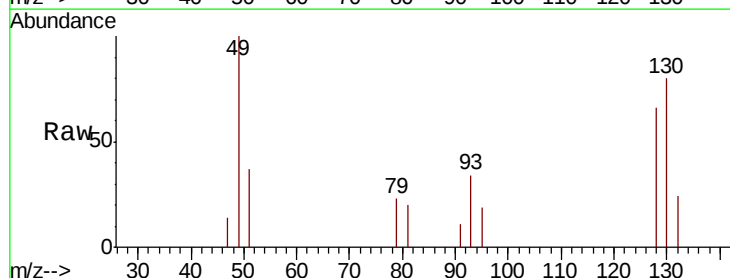
Ion Ratio Lower Upper

128 100

49 152.3 110.3 204.9

130 121.4 84.4 156.8

51 56.3 39.3 58.9



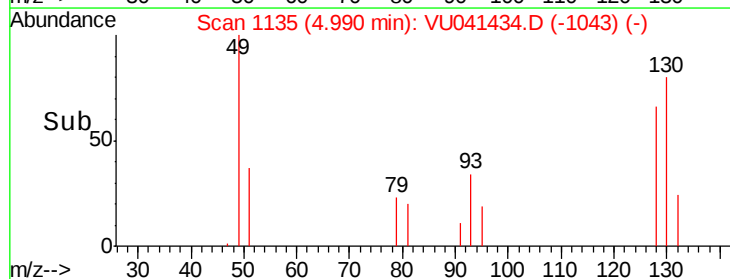
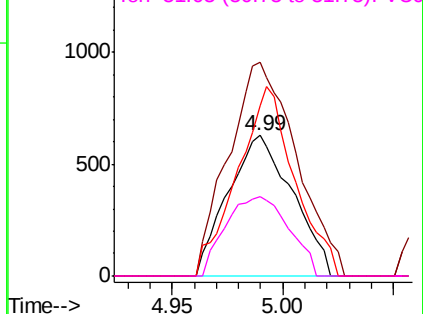
Abundance

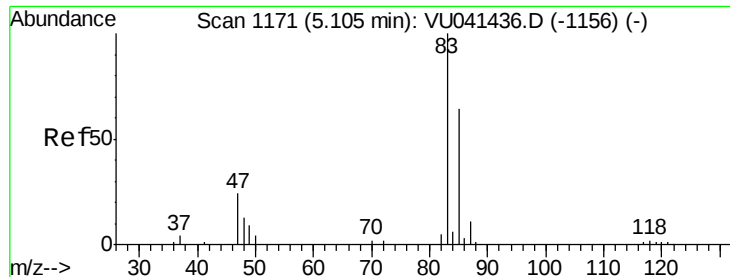
Ion 127.90 (127.60 to 128.60): V

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

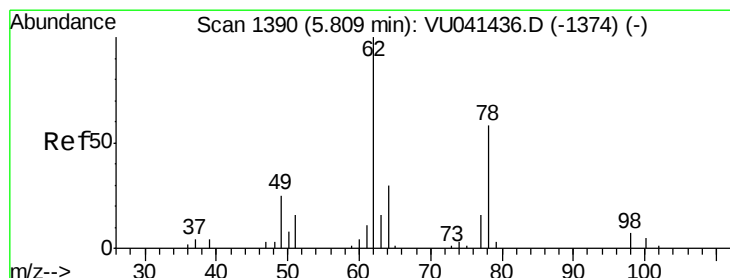
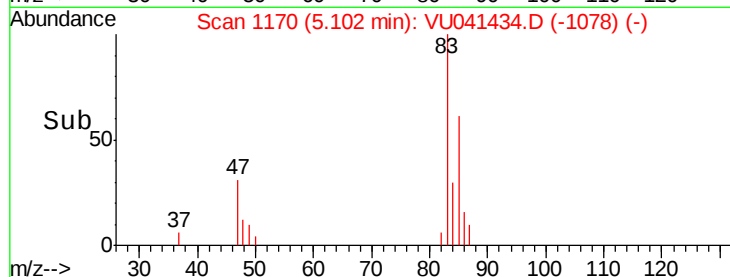
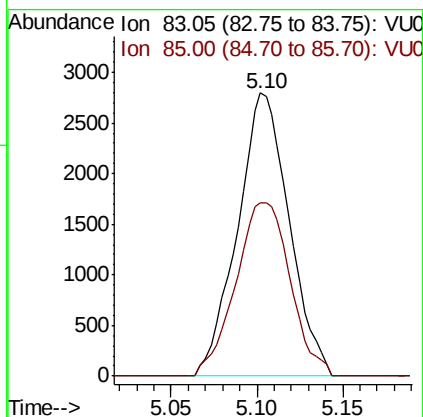
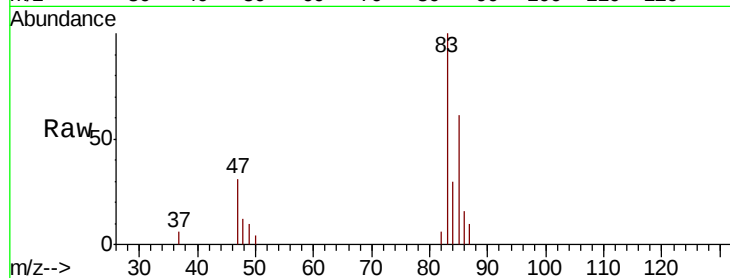




#25
Chloroform
Concen: 0.473 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VU041434.D
Acq: 30 Nov 2020 10:01

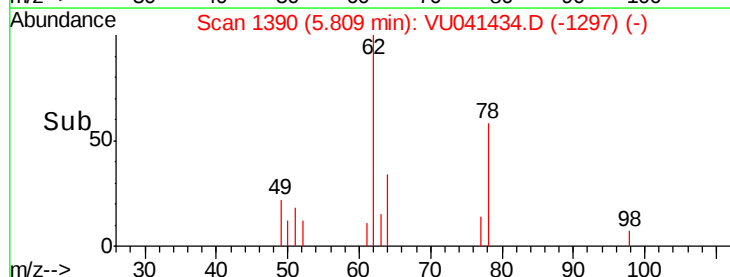
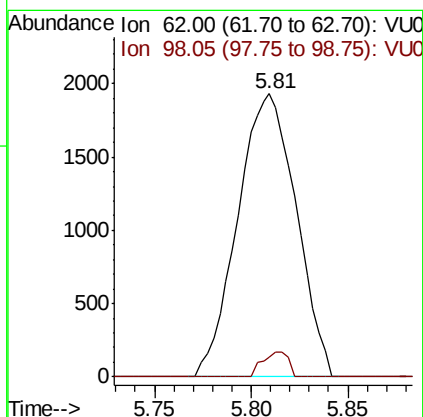
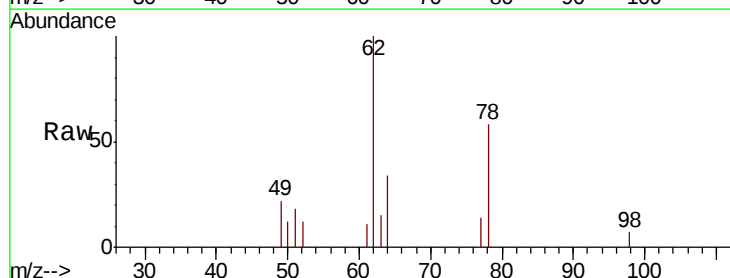
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5203

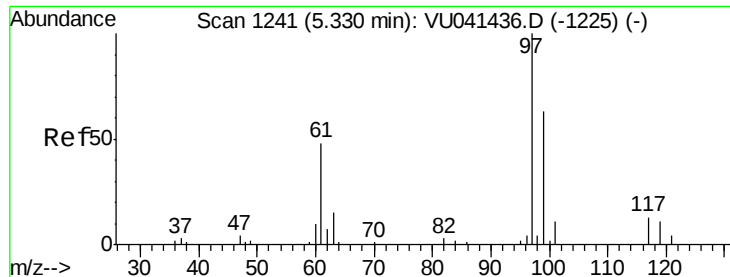
Tot Ion: 83 Resp: 5828
Ion Ratio Lower Upper
83 100
85 61.3 44.6 82.8



#27
1,2-Dichloroethane
Concen: 0.448 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU041434.D
Acq: 30 Nov 2020 10:01

Tgt Ion: 62 Resp: 4052
Ion Ratio Lower Upper
62 100
98 7.0 5.4 8.0

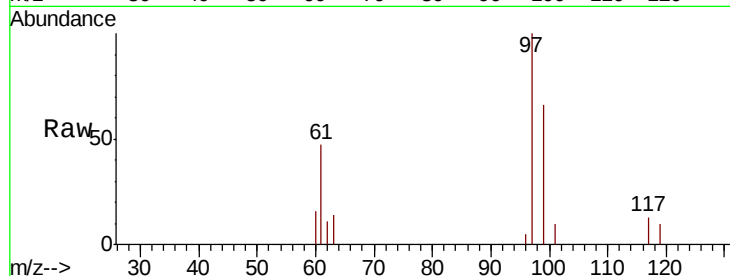




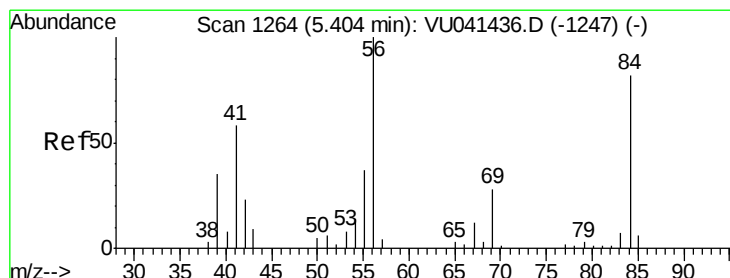
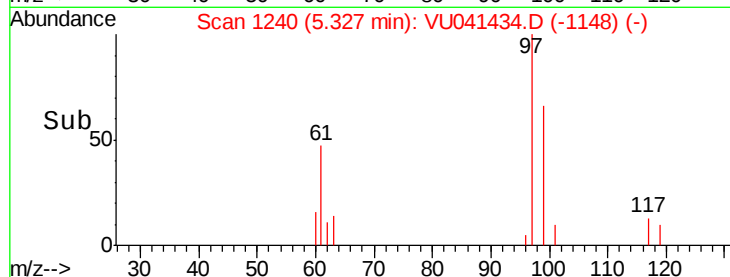
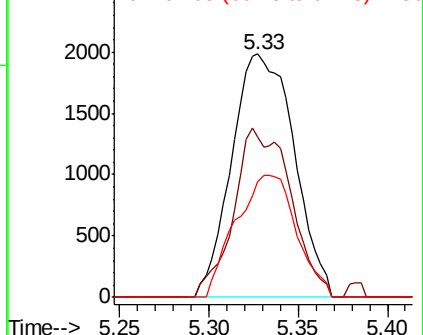
#29
 1,1,1-Trichloroethane
 Concen: 0.437 ug/L
 RT: 5.33 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VU041434.D
 Acq: 30 Nov 2020 10:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5203

Tot Ion: 97 Resp: 4840
 Ion Ratio Lower Upper
 97 100
 99 63.4 51.0 76.6
 61 48.8 38.1 57.1

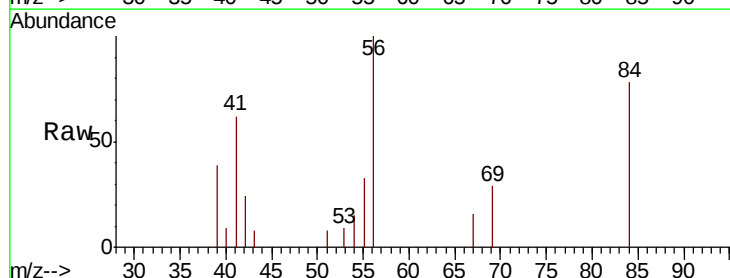


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

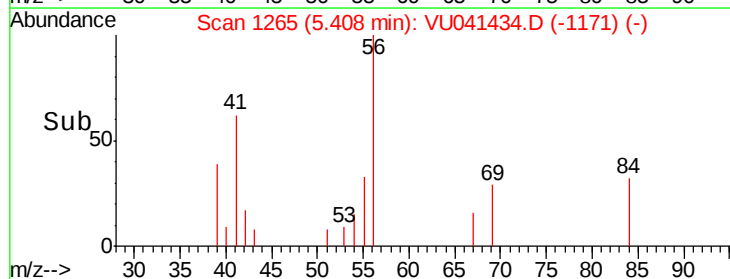
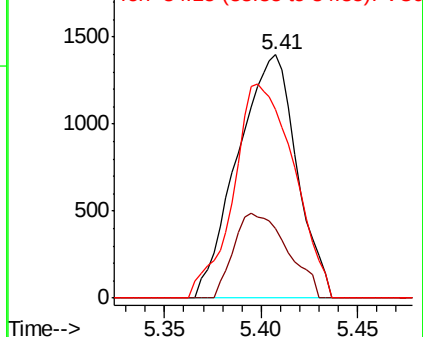


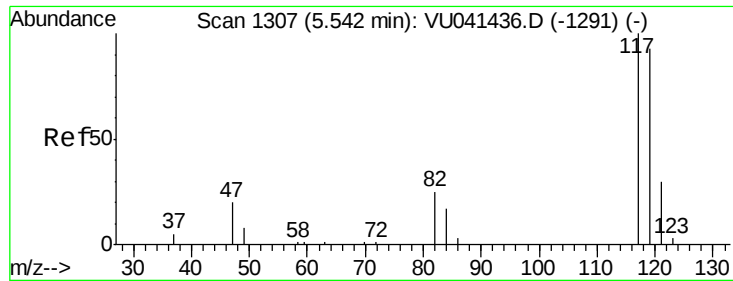
#30
 Cyclohexane
 Concen: 0.378 ug/L
 RT: 5.41 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VU041434.D
 Acq: 30 Nov 2020 10:01

Tgt Ion: 56 Resp: 2977
 Ion Ratio Lower Upper
 56 100
 69 31.6 23.2 34.8
 84 90.0 67.8 101.6



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: 0.447 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. -0.00 min

Lab File: VU041434.D

Acq: 30 Nov 2020 10:01

Instrument :

MSVOA_U

ClientSampleId :

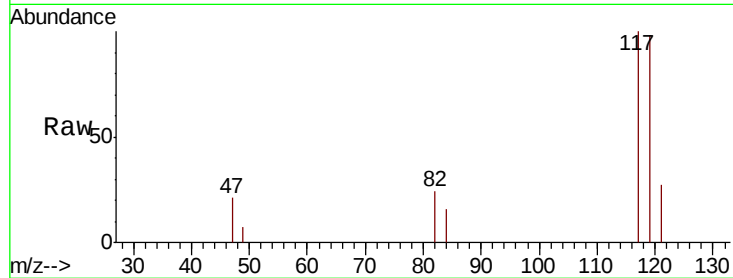
VSTD0.5203

Tot Ion:117 Resp: 4489

Ion Ratio Lower Upper

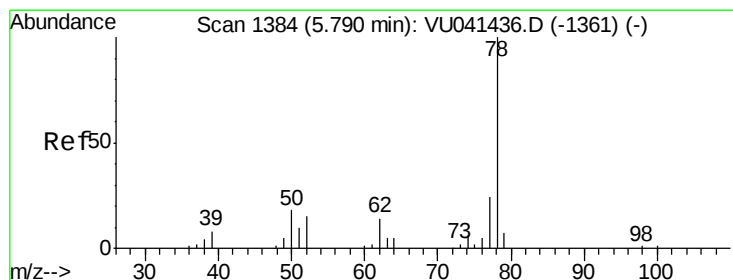
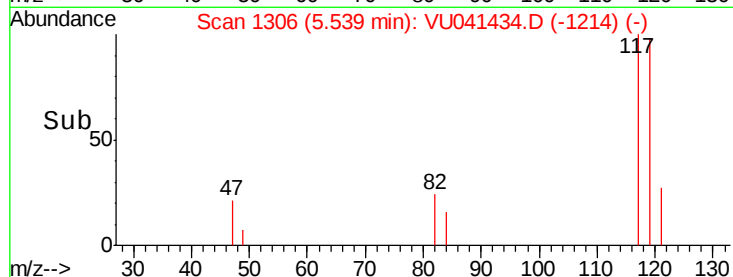
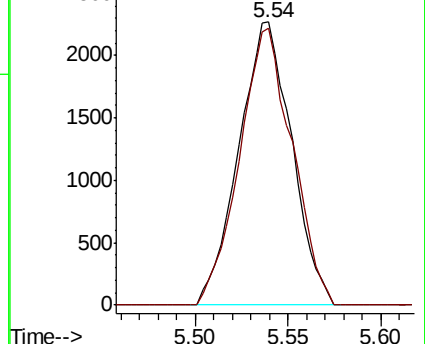
117 100

119 97.5 75.8 113.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.444 ug/L

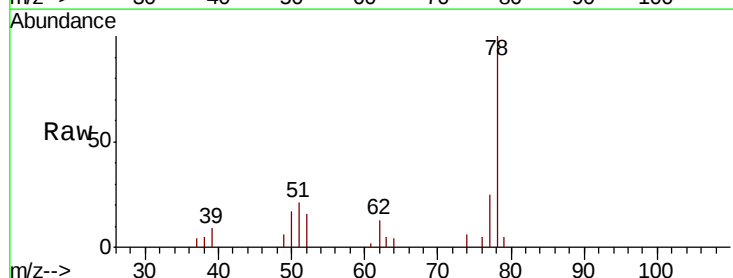
RT: 5.79 min Scan# 1383

Delta R.T. -0.00 min

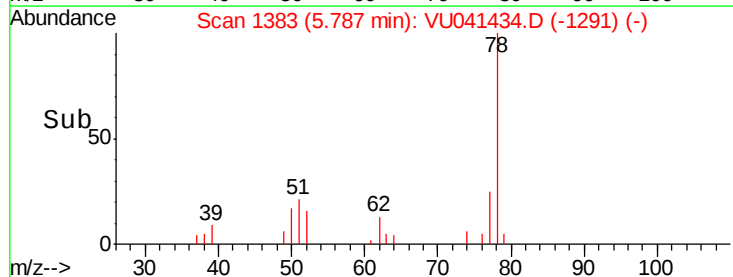
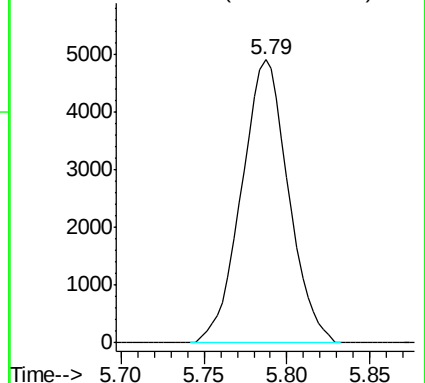
Lab File: VU041434.D

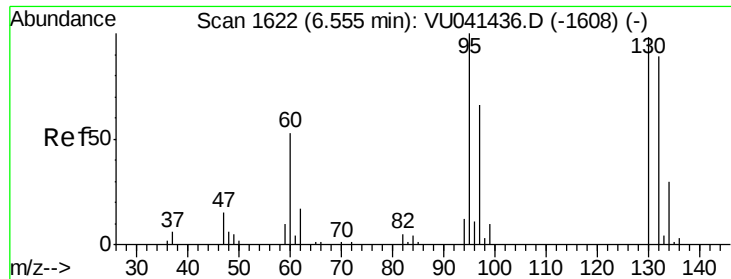
Acq: 30 Nov 2020 10:01

Tgt Ion: 78 Resp: 9695



Abundance Ion 78.10 (77.80 to 78.80): VU0

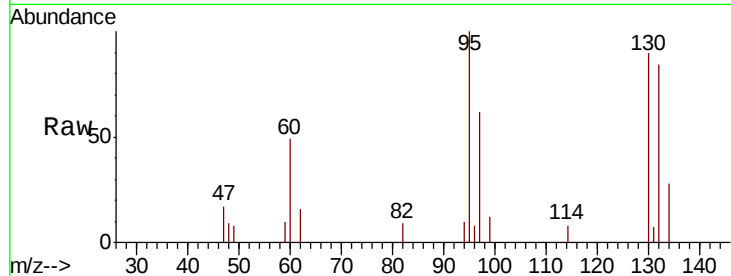




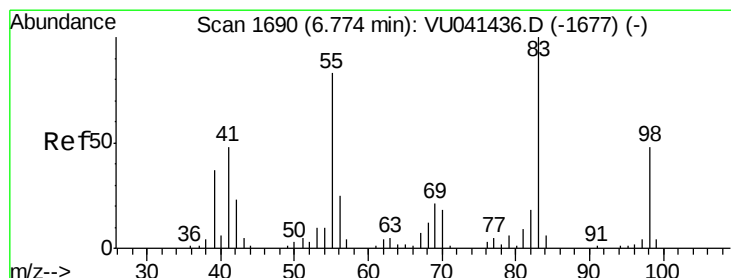
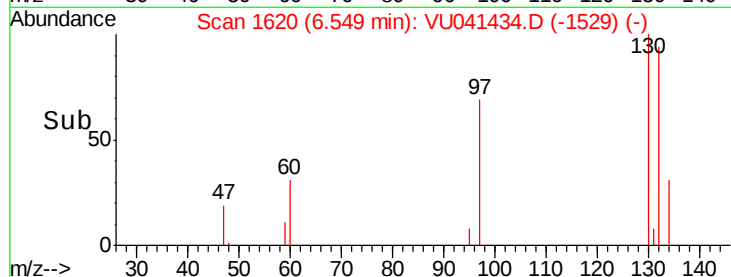
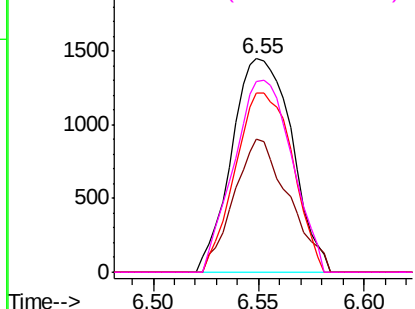
#34
 Trichloroethene
 Concen: 0.492 ug/L
 RT: 6.55 min Scan# 1620
 Delta R.T. -0.01 min
 Lab File: VU041434.D
 Acq: 30 Nov 2020 10:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5203

Tot Ion: 95 Resp: 2878
 Ion Ratio Lower Upper
 95 100
 97 62.1 46.4 86.2
 132 83.9 62.2 115.6
 130 89.5 68.7 127.5

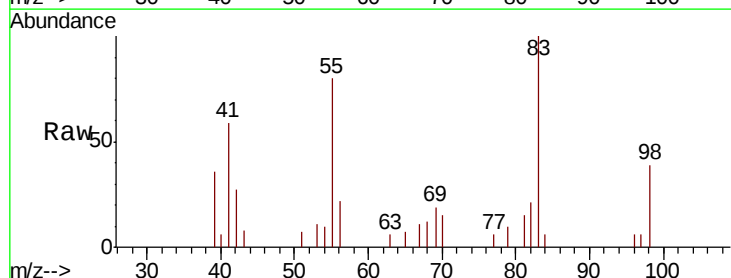


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

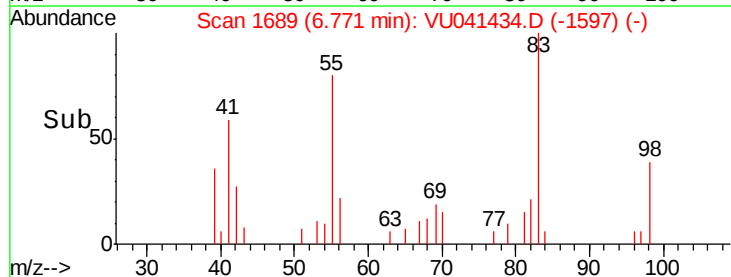
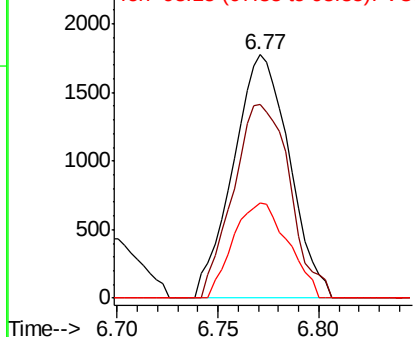


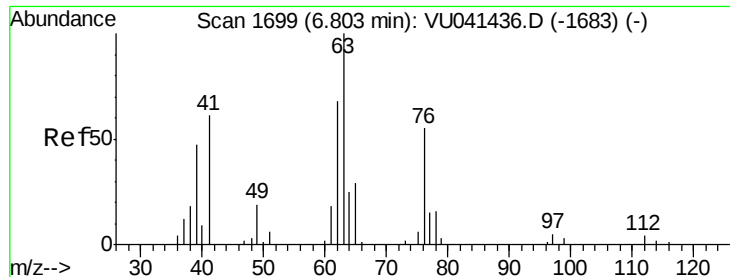
#35
 Methylcyclohexane
 Concen: 0.426 ug/L
 RT: 6.77 min Scan# 1689
 Delta R.T. -0.00 min
 Lab File: VU041434.D
 Acq: 30 Nov 2020 10:01

Tgt Ion: 83 Resp: 3449
 Ion Ratio Lower Upper
 83 100
 55 80.7 67.0 100.6
 98 38.3 38.2 57.4



Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0

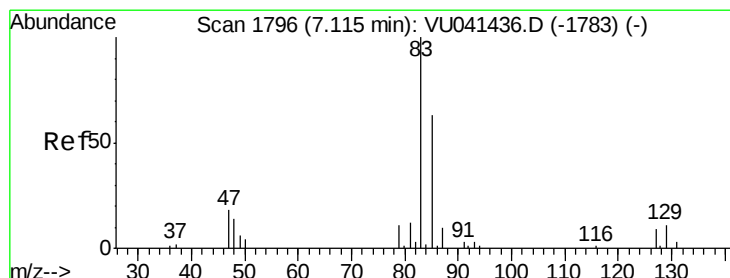
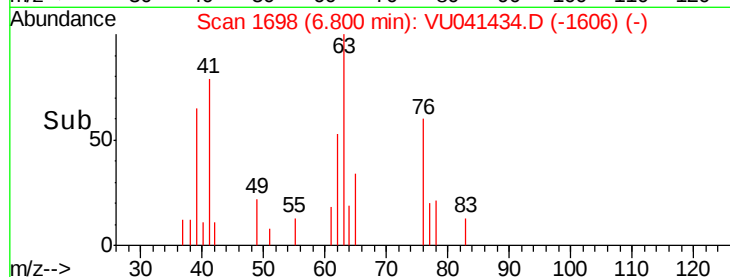
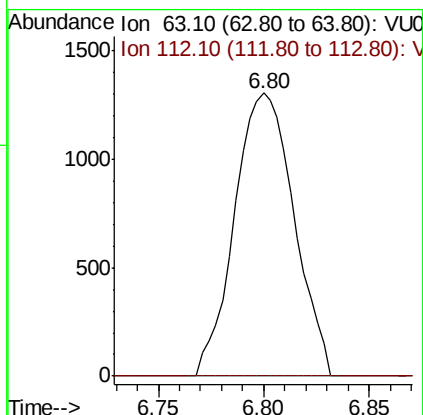
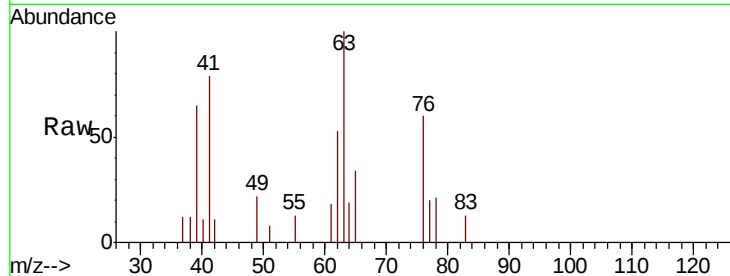




#37
 1,2-Dichloropropane
 Concen: 0.463 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VU041434.D
 Acq: 30 Nov 2020 10:01

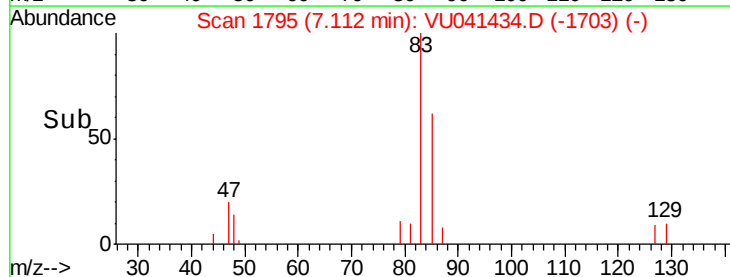
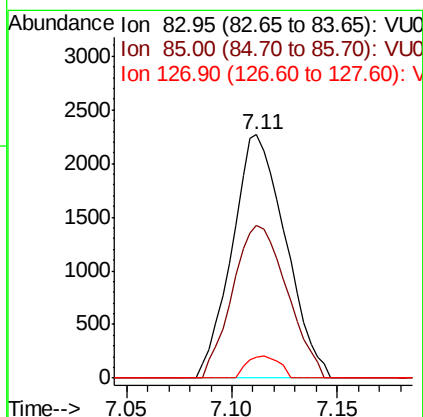
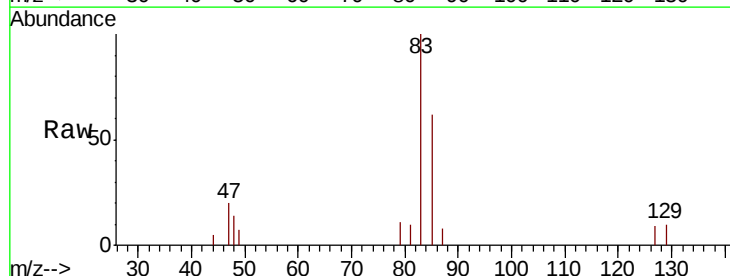
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5203

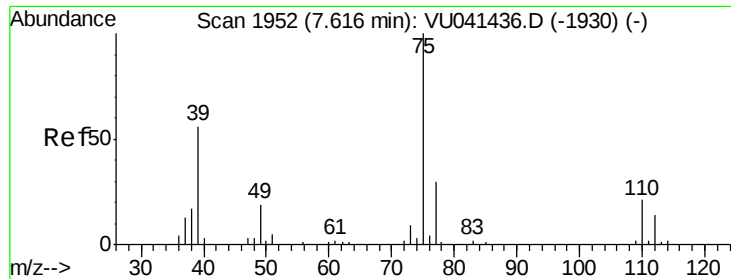
Tot Ion: 63 Resp: 2554
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.2 4.8#



#38
 Bromodichloromethane
 Concen: 0.457 ug/L
 RT: 7.11 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VU041434.D
 Acq: 30 Nov 2020 10:01

Tgt Ion: 83 Resp: 3991
 Ion Ratio Lower Upper
 83 100
 85 62.5 44.2 82.2
 127 8.7 7.0 10.6

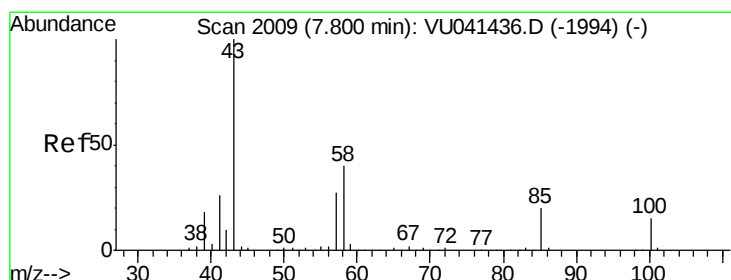
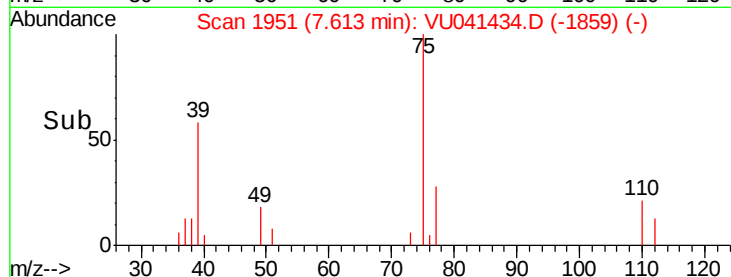
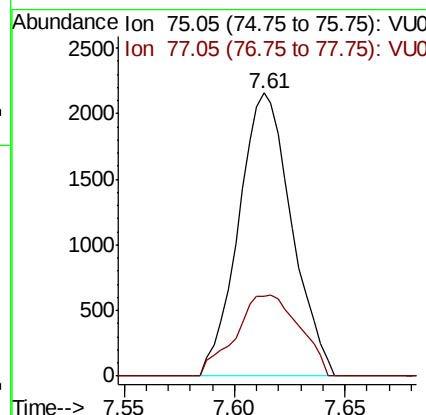
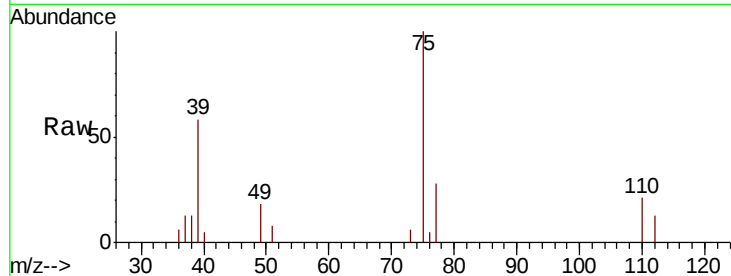




#39
 cis-1,3-Dichloropropene
 Concen: 0.417 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VU041434.D
 Acq: 30 Nov 2020 10:01

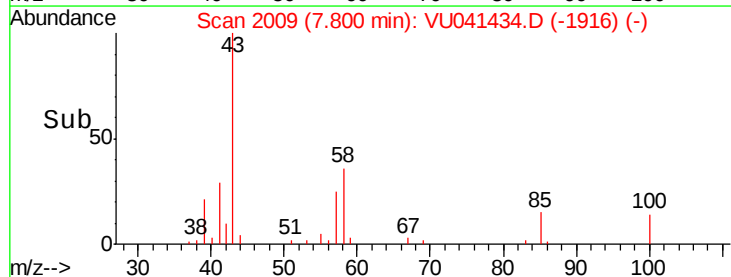
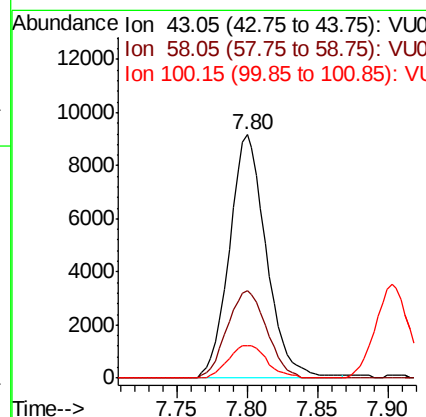
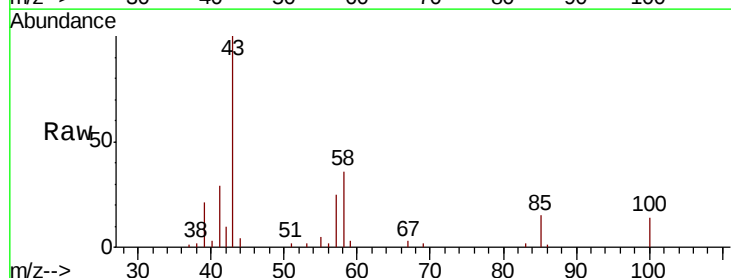
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5203

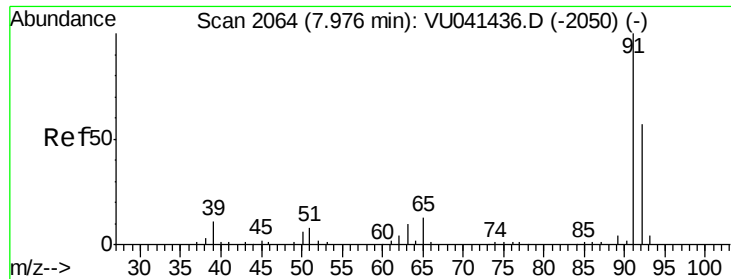
Tot Ion: 75 Resp: 3606
 Ion Ratio Lower Upper
 75 100
 77 28.4 21.0 39.0



#40
 4-Methyl-2-pentanone
 Concen: 4.289 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU041434.D
 Acq: 30 Nov 2020 10:01

Tgt Ion: 43 Resp: 16751
 Ion Ratio Lower Upper
 43 100
 58 38.4 30.5 45.7
 100 14.1 12.1 18.1





#42

Toluene

Concen: 0.416 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU041434.D

Acq: 30 Nov 2020 10:01

Instrument :

MSVOA_U

ClientSampleId :

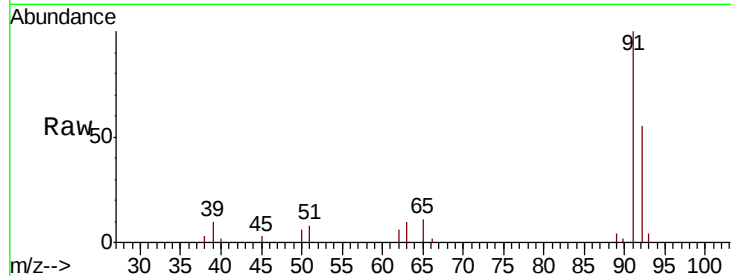
VSTD0.5203

Tot Ion: 91 Resp: 9734

Ion Ratio Lower Upper

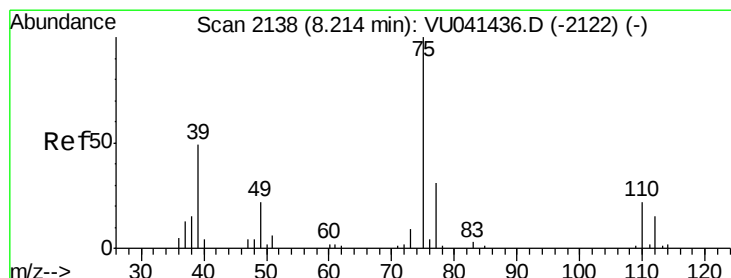
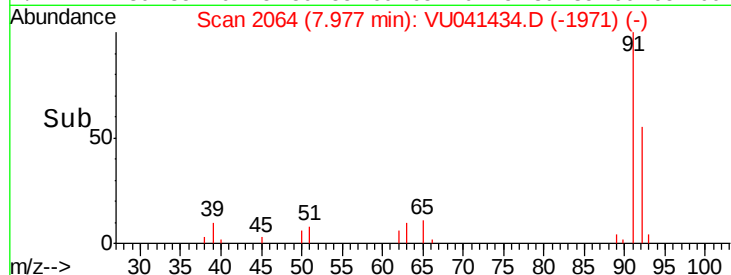
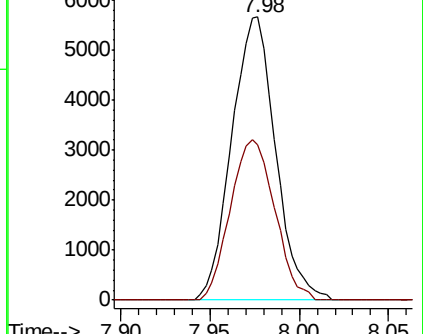
91 100

92 54.7 39.7 73.7



Abundance Ion 91.15 (90.85 to 91.85): VU041436.D (-2050) (-)

Ion 92.15 (91.85 to 92.85): VU041436.D (-2050) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.421 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU041434.D

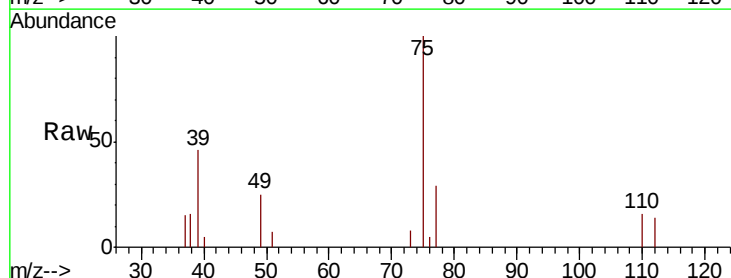
Acq: 30 Nov 2020 10:01

Tgt Ion: 75 Resp: 3529

Ion Ratio Lower Upper

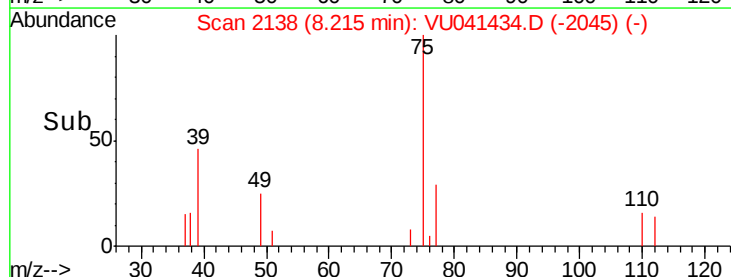
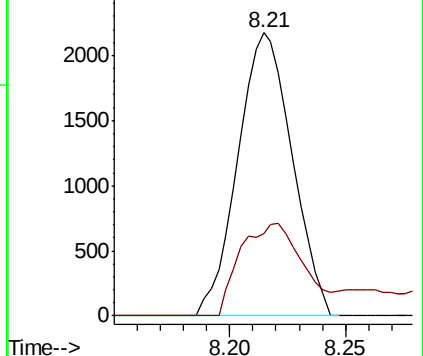
75 100

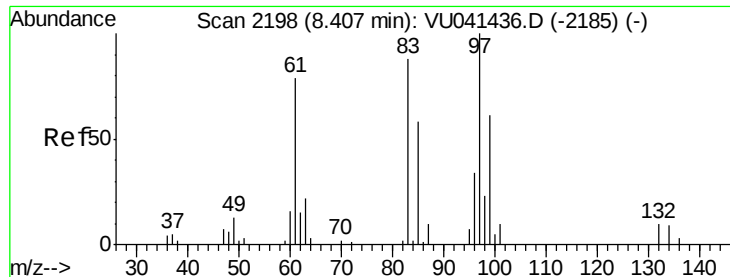
77 29.1 21.5 39.9



Abundance Ion 75.05 (74.75 to 75.75): VU041436.D (-2122) (-)

Ion 77.05 (76.75 to 77.75): VU041436.D (-2122) (-)

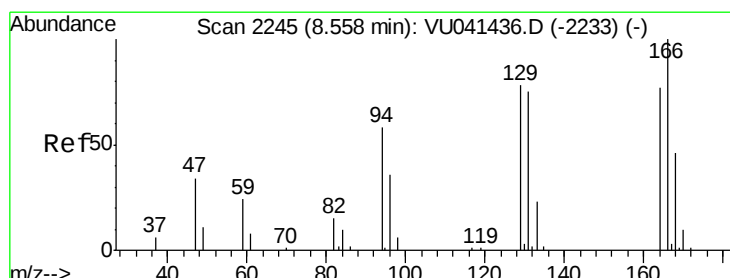
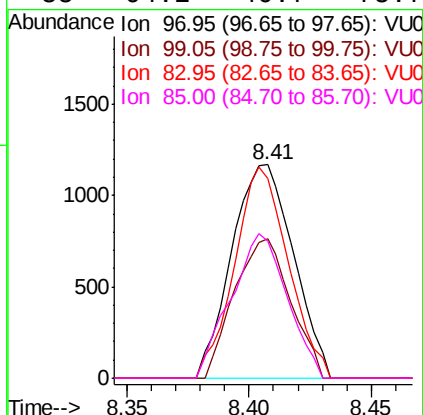
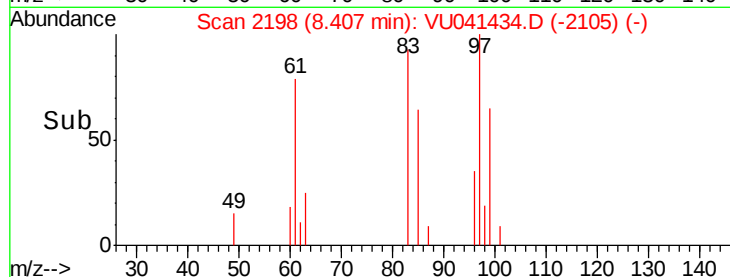
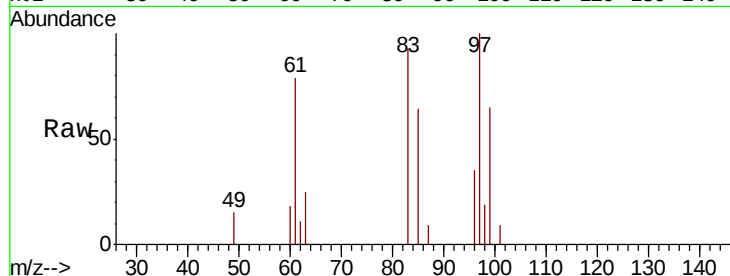




#45
1,1,2-Trichloroethane
Concen: 0.463 ug/L
RT: 8.41 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VU041434.D
Acq: 30 Nov 2020 10:01

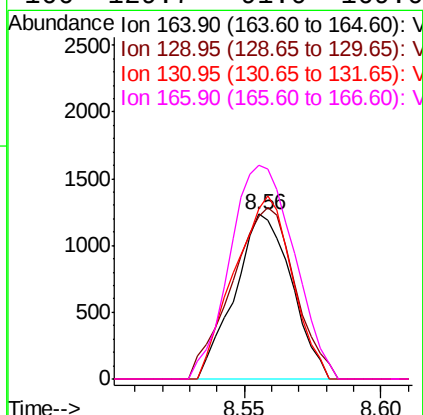
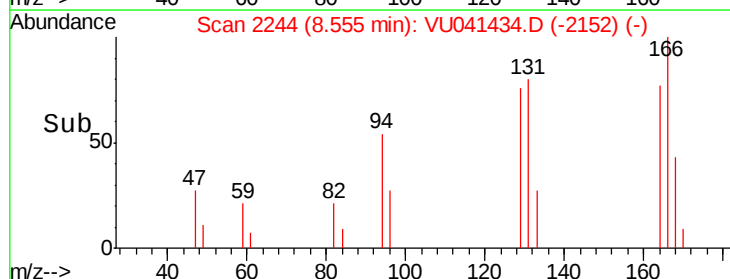
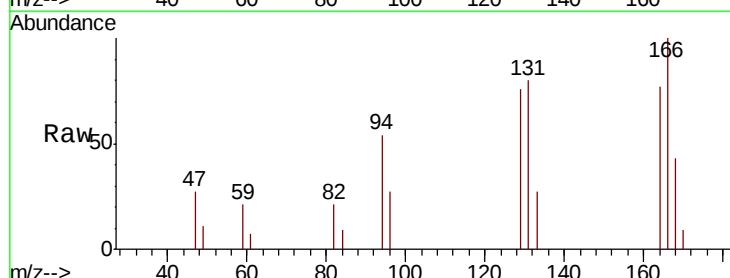
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5203

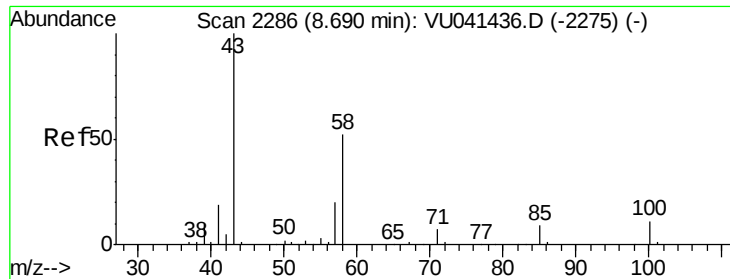
Tot Ion:	97	Resp:	2051
Ion	Ratio	Lower	Upper
97	100		
99	65.4	42.8	79.4
83	93.2	61.9	114.9
85	64.2	40.7	75.7



#47
Tetrachloroethene
Concen: 0.391 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VU041434.D
Acq: 30 Nov 2020 10:01

Tgt Ion:	164	Resp:	1775
Ion	Ratio	Lower	Upper
164	100		
129	98.5	71.3	132.5
131	103.2	68.3	126.8
166	129.7	91.0	169.0

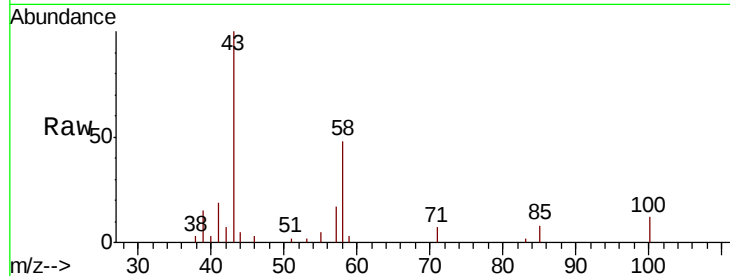




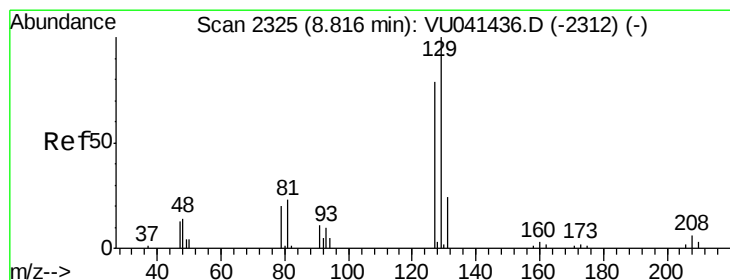
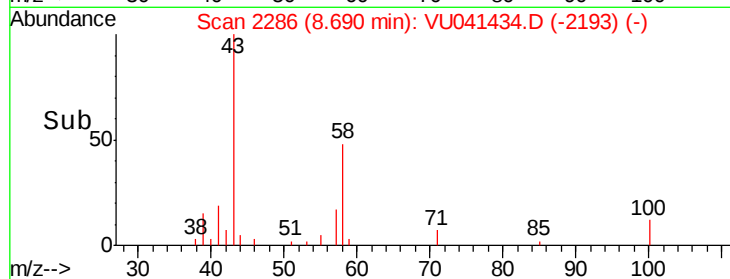
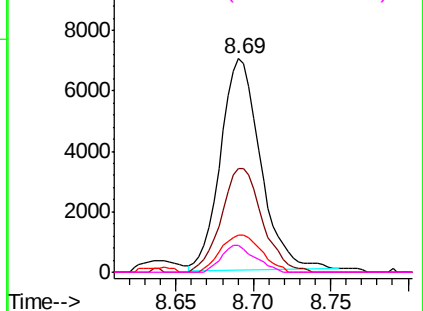
#48
2-Hexanone
Concen: 4.162 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU041434.D
Acq: 30 Nov 2020 10:01

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5203

Tot Ion: 43 Resp: 12611
Ion Ratio Lower Upper
43 100
58 49.9 42.0 63.0
57 17.9 16.0 24.0
100 10.6 8.9 13.3

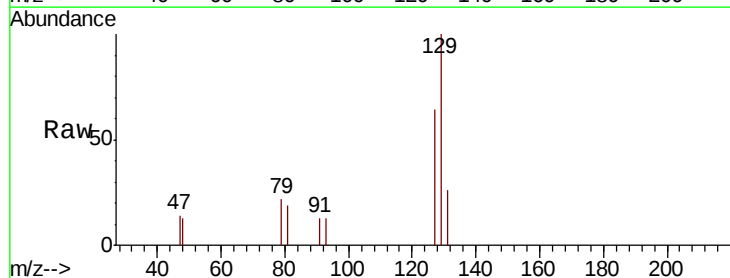


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

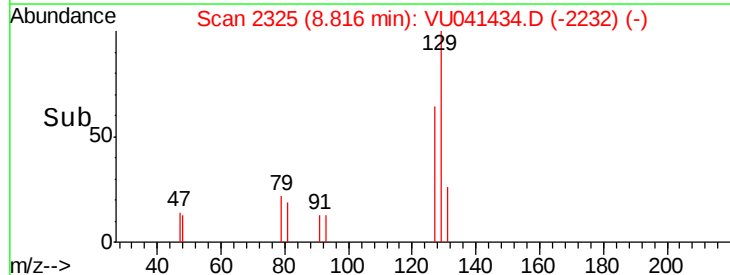
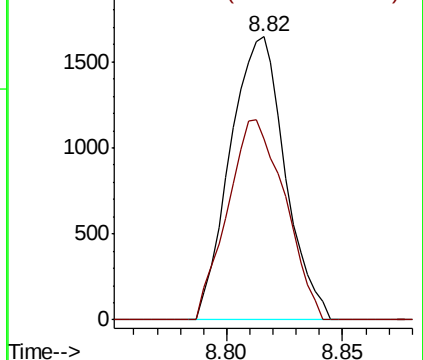


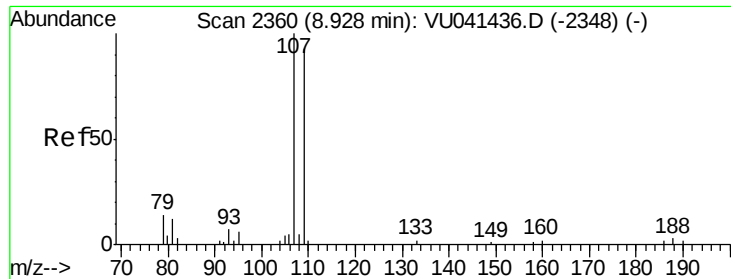
#49
Dibromochloromethane
Concen: 0.462 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU041434.D
Acq: 30 Nov 2020 10:01

Tgt Ion: 129 Resp: 2711
Ion Ratio Lower Upper
129 100
127 64.0 55.4 102.8



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

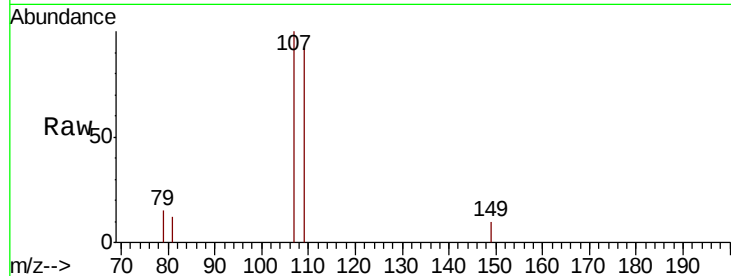




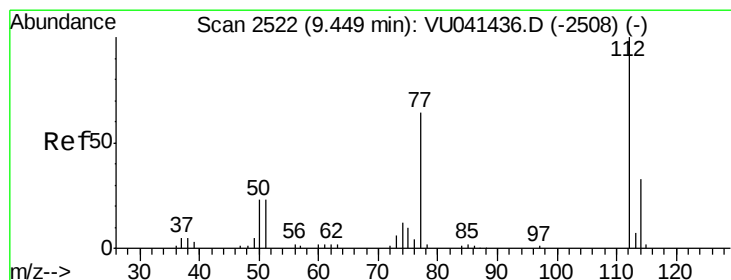
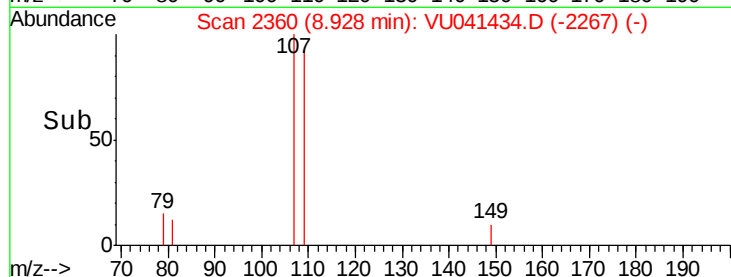
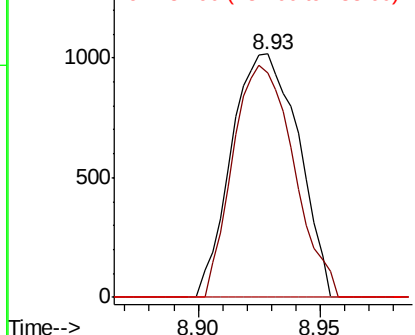
#50
 1,2-Dibromoethane
 Concen: 0.443 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU041434.D
 Acq: 30 Nov 2020 10:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5203

Tot Ion:107 Resp: 1935
 Ion Ratio Lower Upper
 107 100
 109 92.0 65.2 121.2
 188 0.0 2.7 4.1#

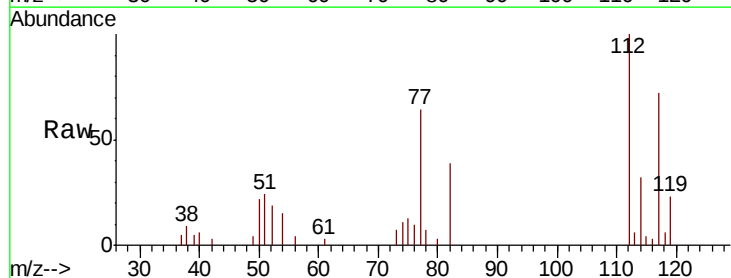


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

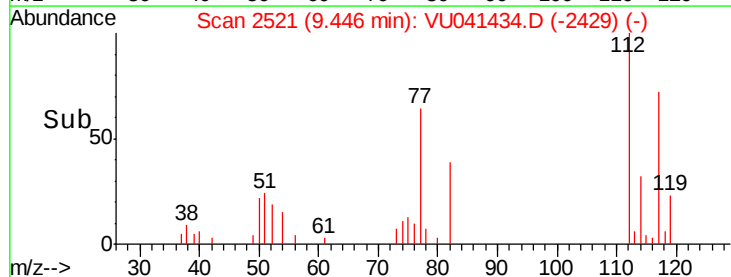
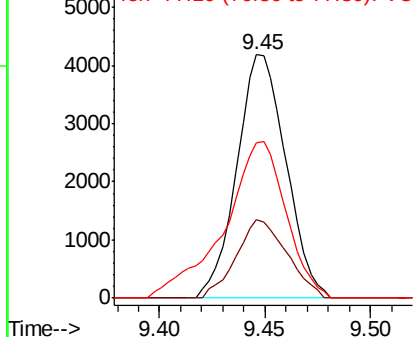


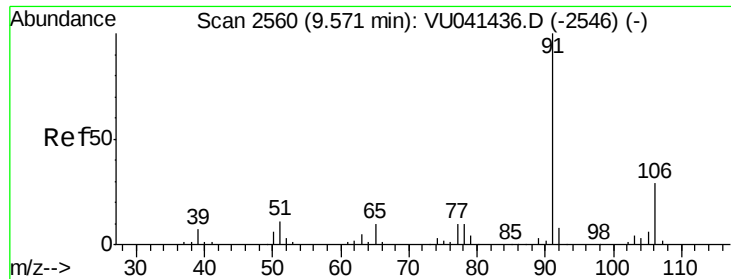
#51
 Chlorobenzene
 Concen: 0.426 ug/L
 RT: 9.45 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VU041434.D
 Acq: 30 Nov 2020 10:01

Tgt Ion:112 Resp: 6759
 Ion Ratio Lower Upper
 112 100
 114 32.3 23.0 42.8
 77 63.7 51.8 77.6



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): VU





#52

Ethylbenzene

Concen: 0.400 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU041434.D

Acq: 30 Nov 2020 10:01

Instrument :

MSVOA_U

ClientSampleId :

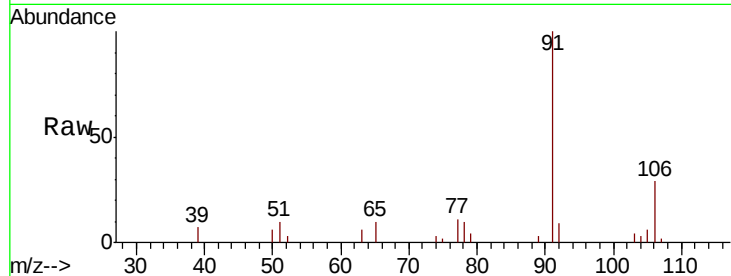
VSTD0.5203

Tot Ion: 91 Resp: 10744

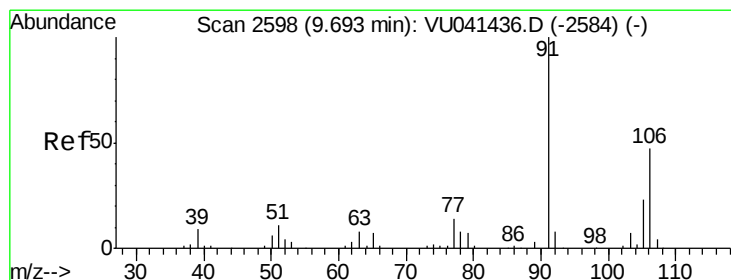
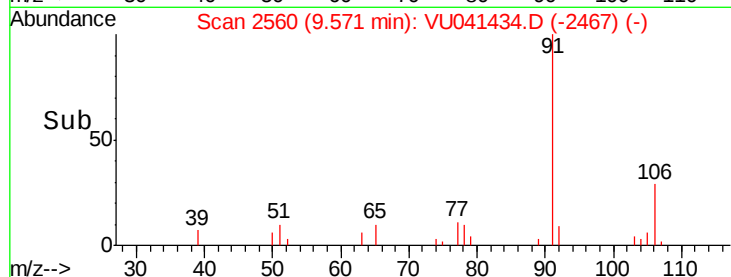
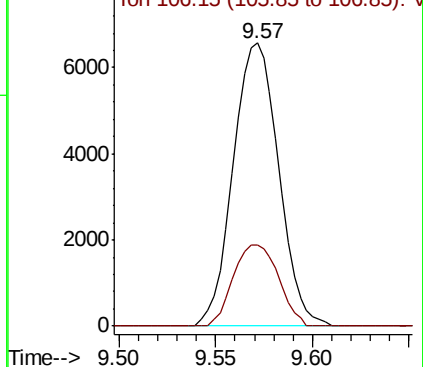
Ion Ratio Lower Upper

91 100

106 28.7 20.0 37.2



Abundance Ion 91.15 (90.85 to 91.85): VU041436.D (-2546) (-)



#53

m,p-Xylene

Concen: 0.377 ug/L

RT: 9.69 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VU041434.D

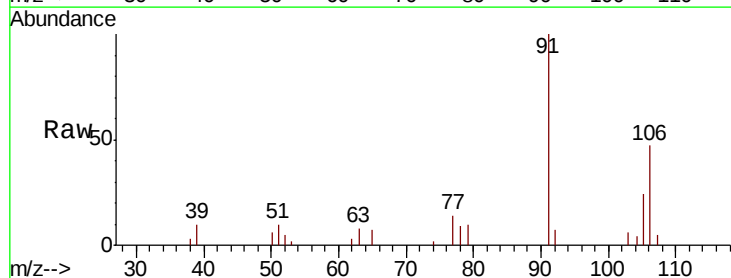
Acq: 30 Nov 2020 10:01

Tgt Ion: 106 Resp: 3661

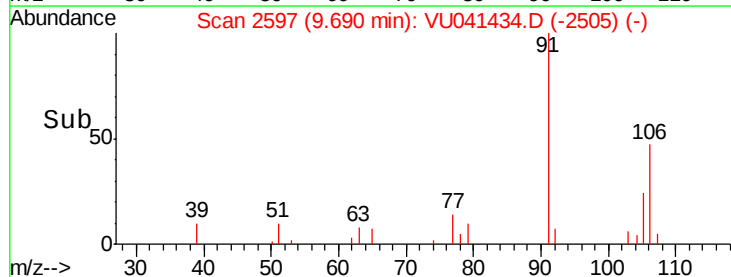
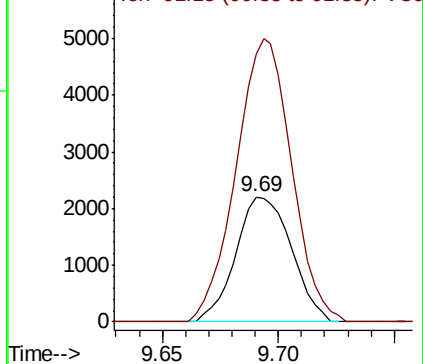
Ion Ratio Lower Upper

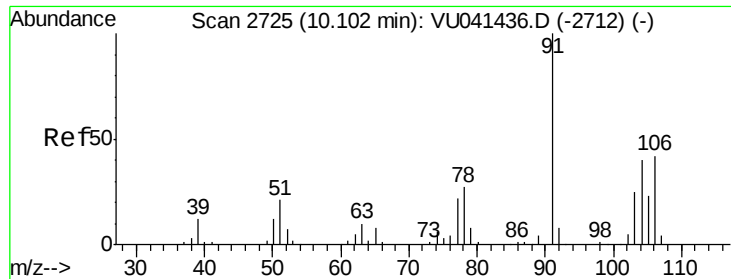
106 100

91 214.2 148.6 276.0



Abundance Ion 106.15 (105.85 to 106.85): VU041436.D (-2584) (-)

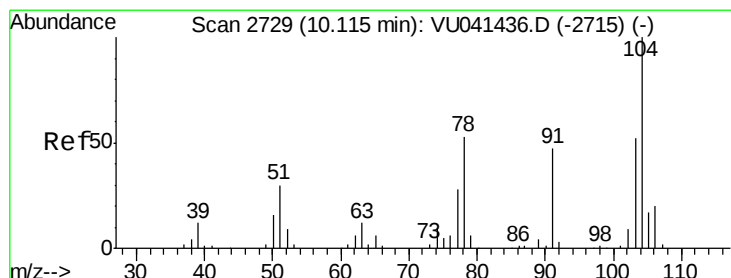
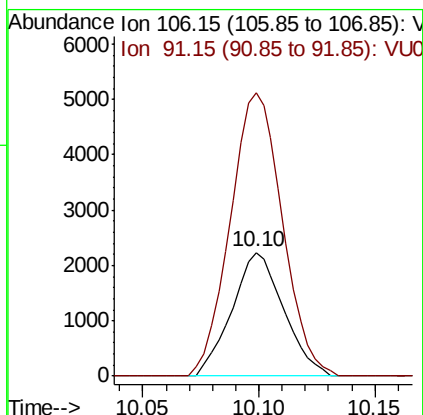
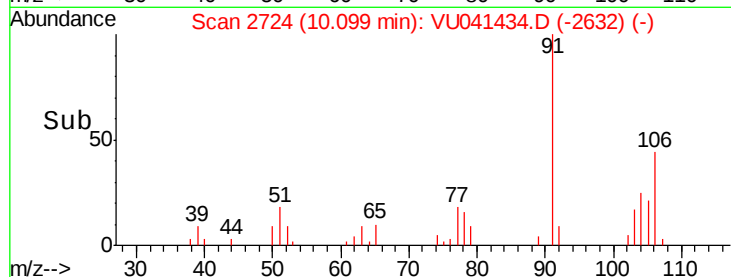
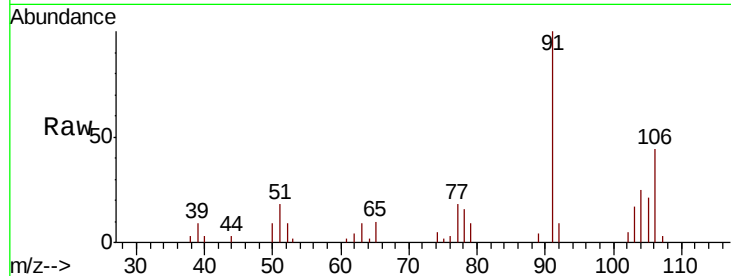




#54
o-Xylene
Concen: 0.372 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU041434.D
Acq: 30 Nov 2020 10:01

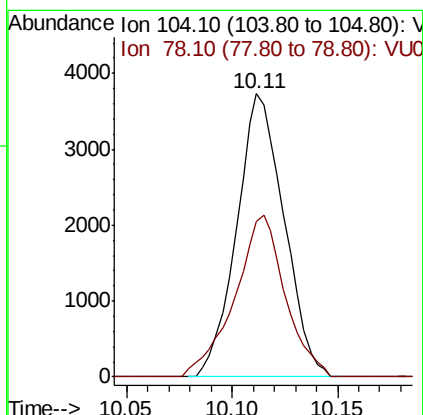
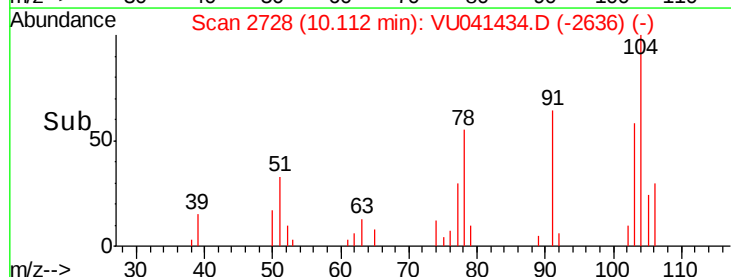
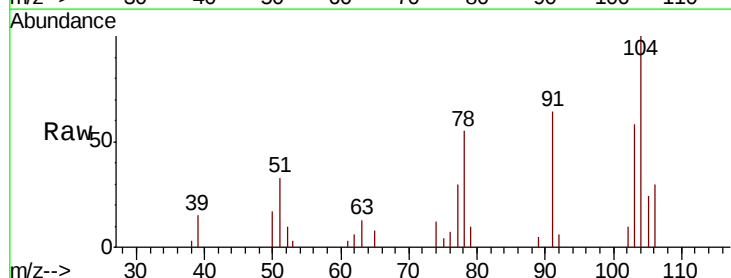
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5203

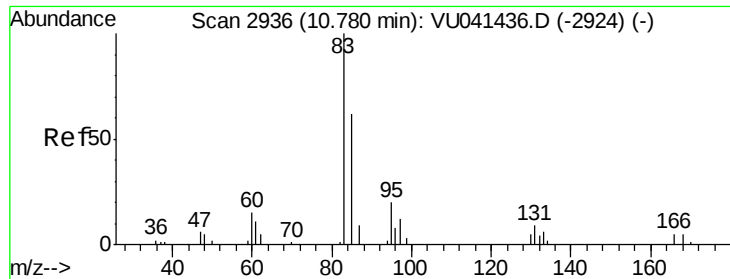
Tot Ion:106 Resp: 3471
Ion Ratio Lower Upper
106 100
91 228.3 166.9 310.0



#55
Styrene
Concen: 0.352 ug/L
RT: 10.11 min Scan# 2728
Delta R.T. -0.00 min
Lab File: VU041434.D
Acq: 30 Nov 2020 10:01

Tgt Ion:104 Resp: 5807
Ion Ratio Lower Upper
104 100
78 54.8 37.5 69.7

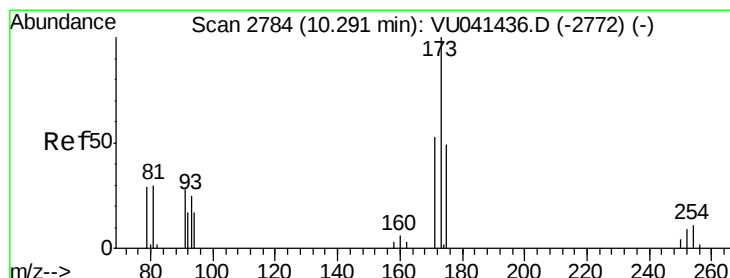
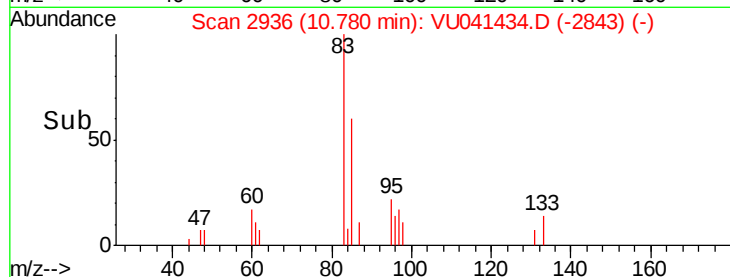
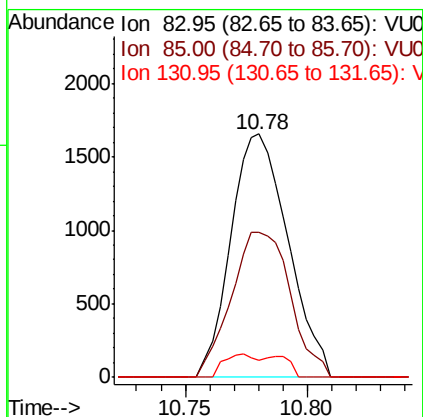
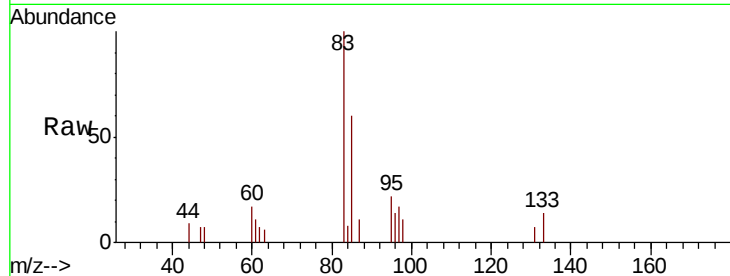




#57
 1,1,2,2-Tetrachloroethane
 Concen: 0.457 ug/L
 RT: 10.78 min Scan# 2936
 Delta R.T. 0.00 min
 Lab File: VU041434.D
 Acq: 30 Nov 2020 10:01

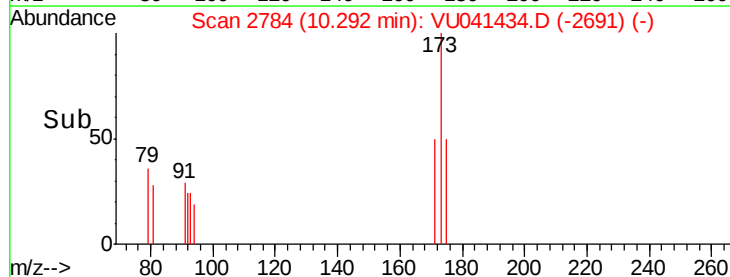
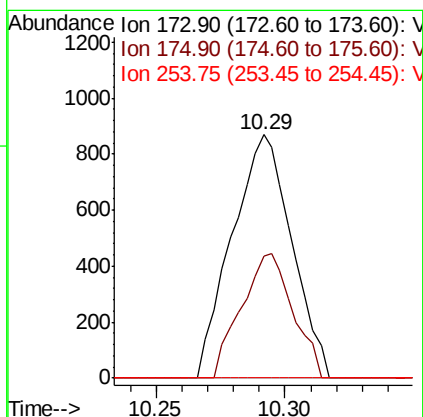
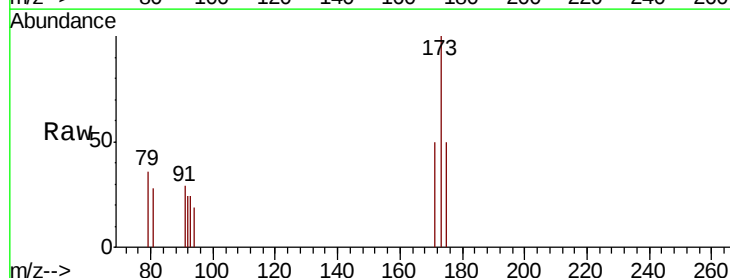
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5203

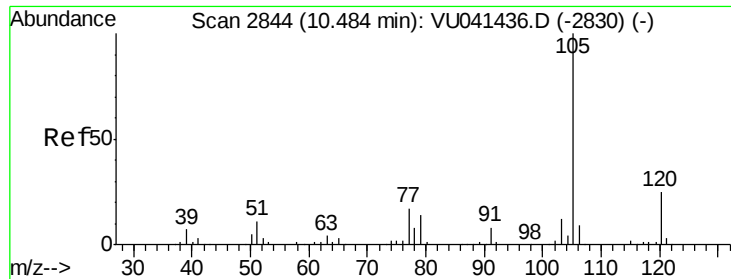
Tot Ion: 83 Resp: 2689
 Ion Ratio Lower Upper
 83 100
 85 59.5 43.5 80.7
 131 7.2 7.6 11.4#



#59
 Bromoform
 Concen: 0.453 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: VU041434.D
 Acq: 30 Nov 2020 10:01

Tgt Ion: 173 Resp: 1404
 Ion Ratio Lower Upper
 173 100
 175 44.2 36.9 55.3
 254 0.0 7.4 11.0#





#60

Isopropylbenzene

Concen: 0.392 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU041434.D

Acq: 30 Nov 2020 10:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5203

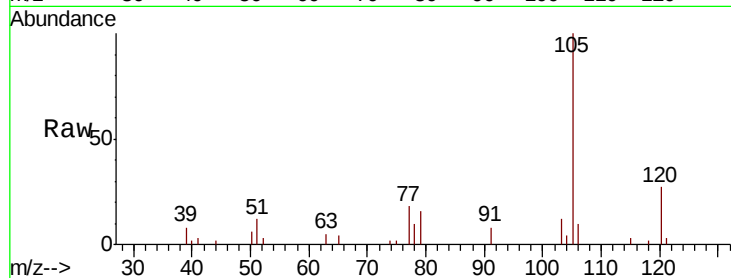
Tot Ion: 105 Resp: 9299

Ion Ratio Lower Upper

105 100

120 24.8 20.3 30.5

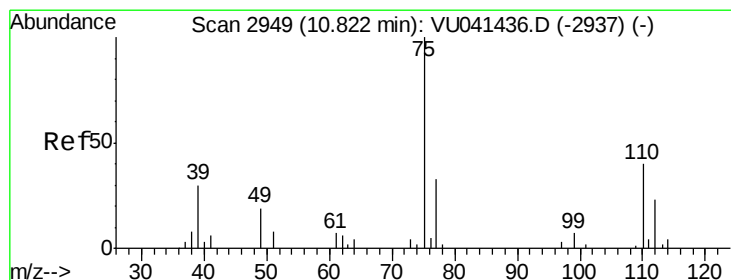
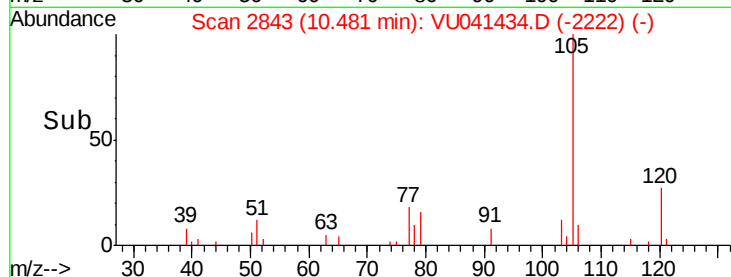
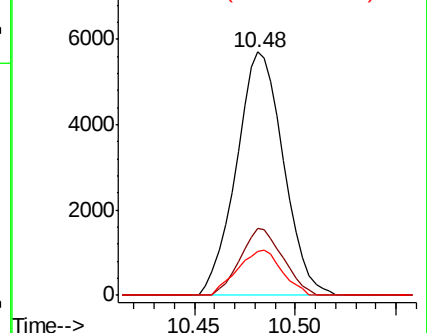
77 17.5 13.9 20.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU



#61

1,2,3-Trichloropropane

Concen: 0.492 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU041434.D

Acq: 30 Nov 2020 10:01

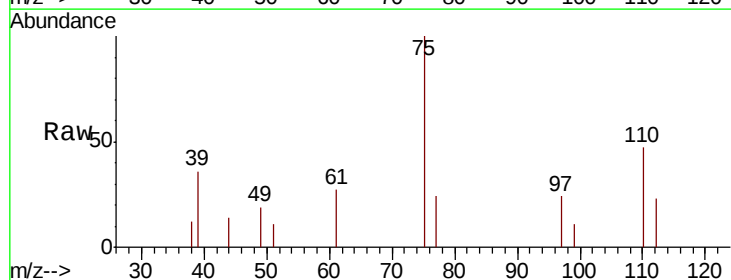
Tgt Ion: 75 Resp: 2030

Ion Ratio Lower Upper

75 100

110 35.3 33.0 49.4

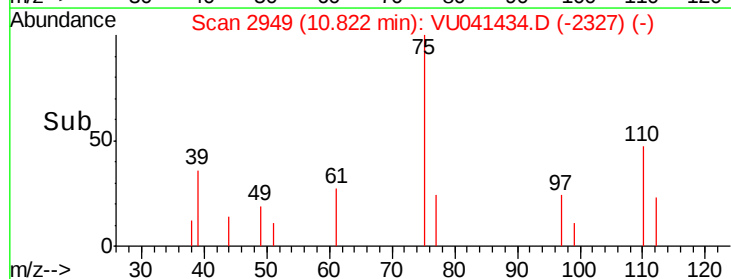
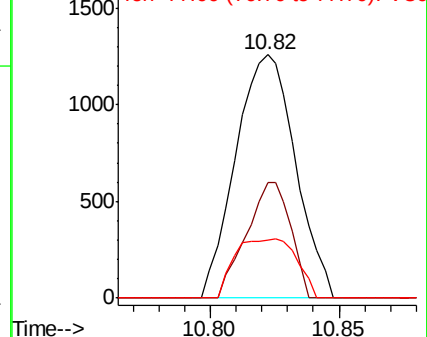
77 25.0 27.4 41.0#

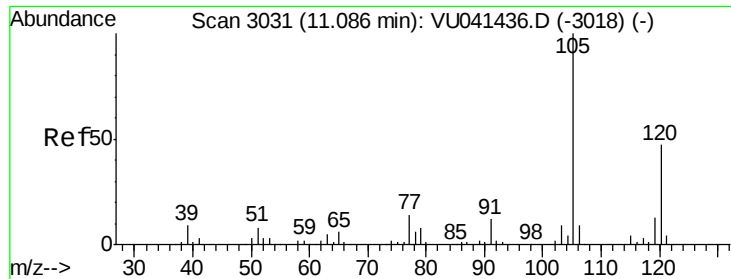


Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VU

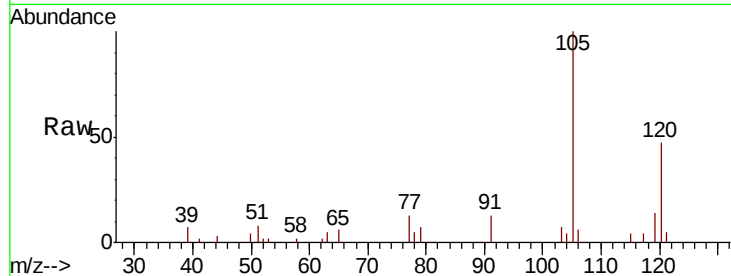




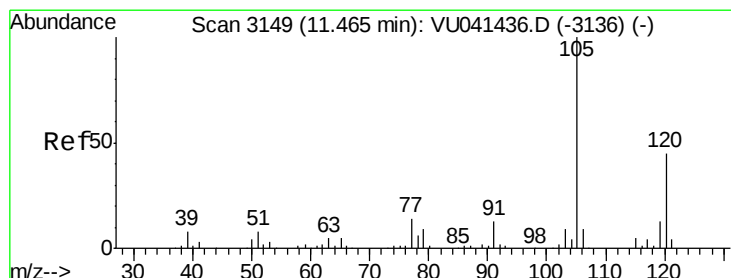
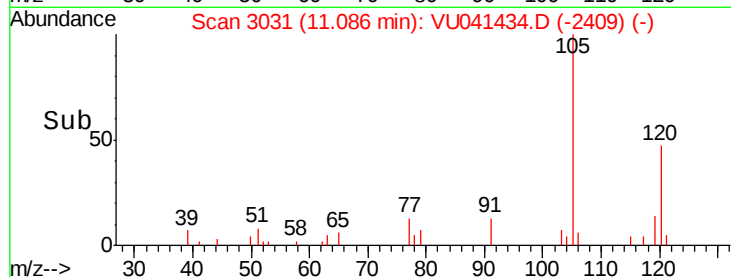
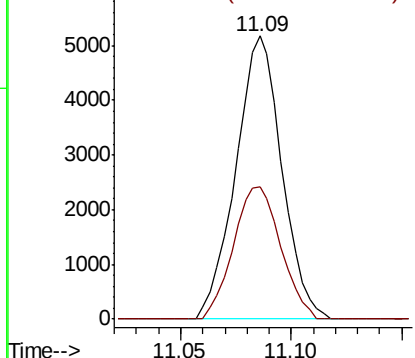
#62
 1,3,5-Trimethylbenzene
 Concen: 0.371 ug/L
 RT: 11.09 min Scan# 3031
 Delta R.T. 0.00 min
 Lab File: VU041434.D
 Acq: 30 Nov 2020 10:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5203

Tot Ion:105 Resp: 7487
 Ion Ratio Lower Upper
 105 100
 120 48.1 36.6 54.8

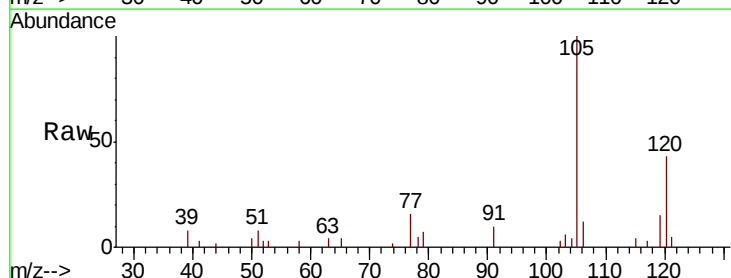


Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

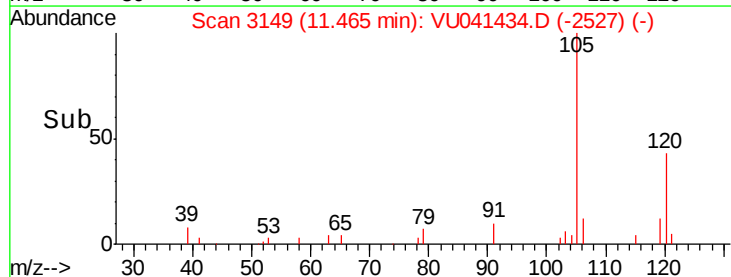
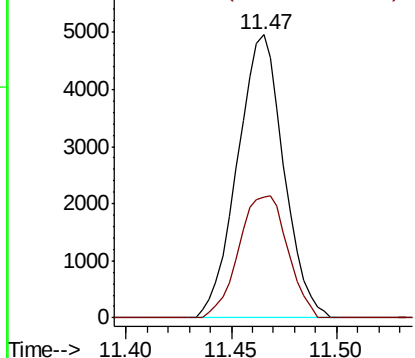


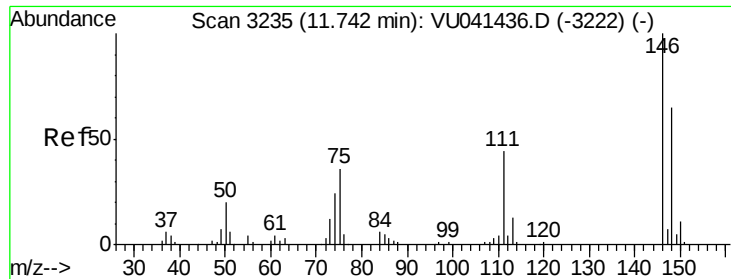
#63
 1,2,4-Trimethylbenzene
 Concen: 0.363 ug/L
 RT: 11.47 min Scan# 3149
 Delta R.T. 0.00 min
 Lab File: VU041434.D
 Acq: 30 Nov 2020 10:01

Tgt Ion:105 Resp: 7562
 Ion Ratio Lower Upper
 105 100
 120 45.4 35.4 53.2



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

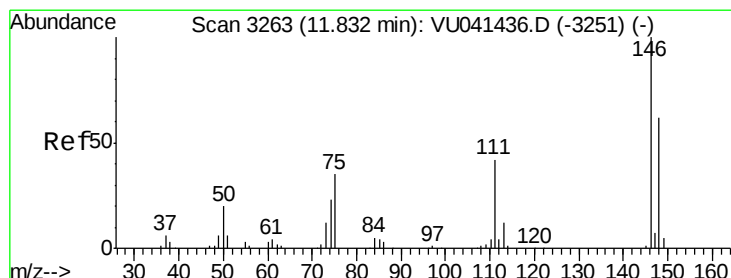
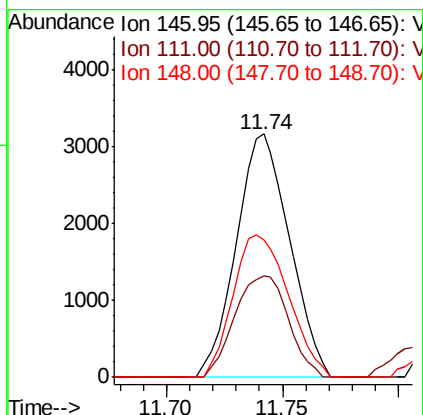
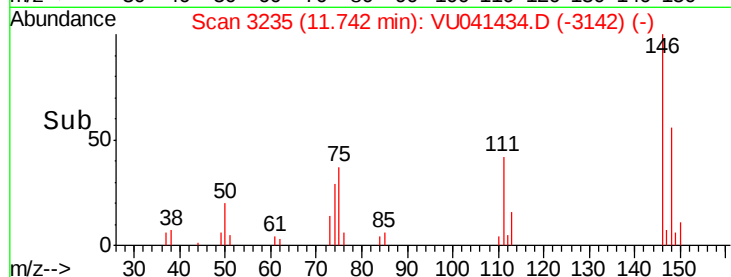
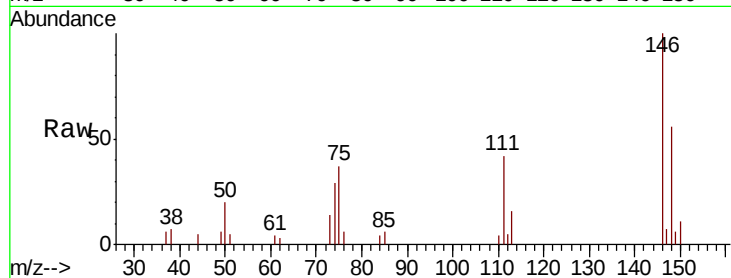




#64
 1,3-Dichlorobenzene
 Concen: 0.419 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU041434.D
 Acq: 30 Nov 2020 10:01

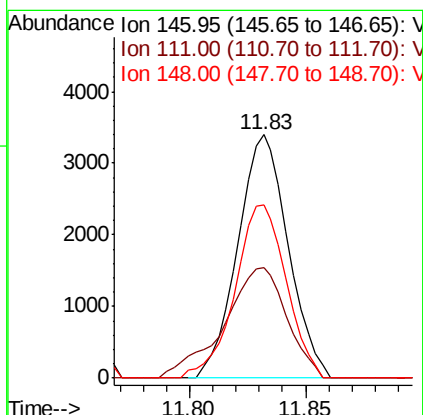
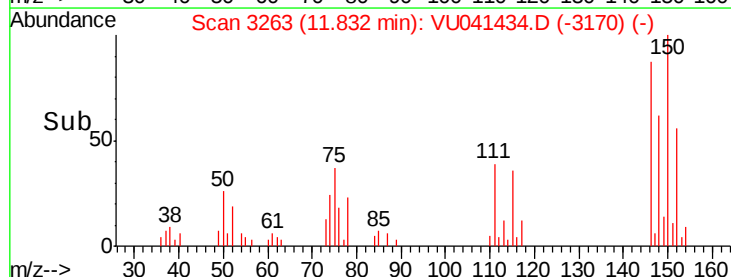
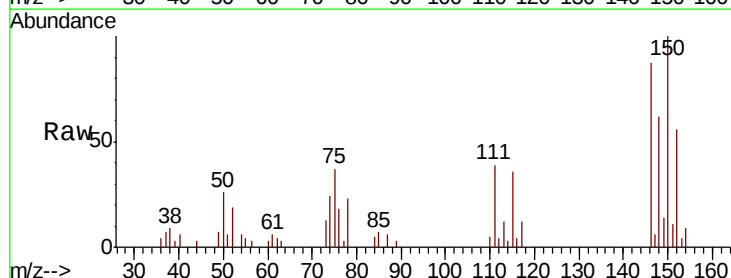
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5203

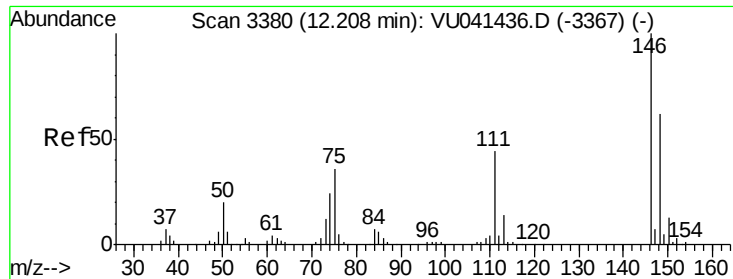
Tot Ion:146 Resp: 5065
 Ion Ratio Lower Upper
 146 100
 111 41.9 30.9 57.3
 148 56.4 45.8 85.0



#65
 1,4-Dichlorobenzene
 Concen: 0.414 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU041434.D
 Acq: 30 Nov 2020 10:01

Tgt Ion:146 Resp: 5121
 Ion Ratio Lower Upper
 146 100
 111 45.3 29.4 54.6
 148 71.1 43.7 81.1

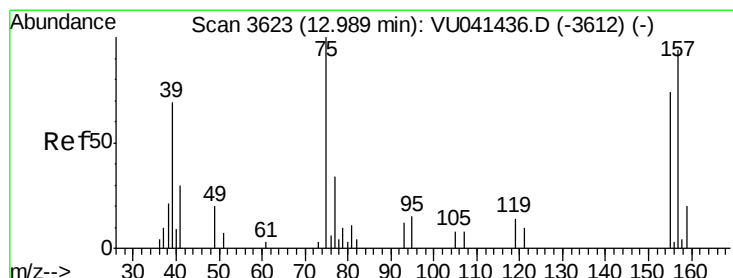
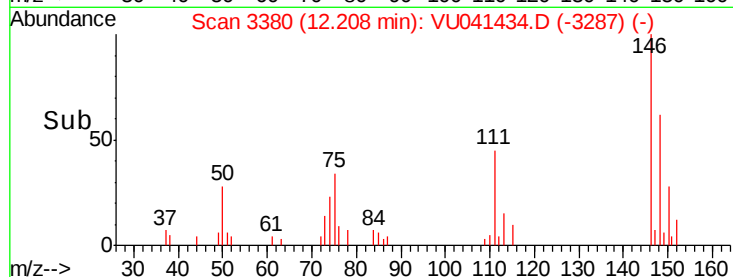
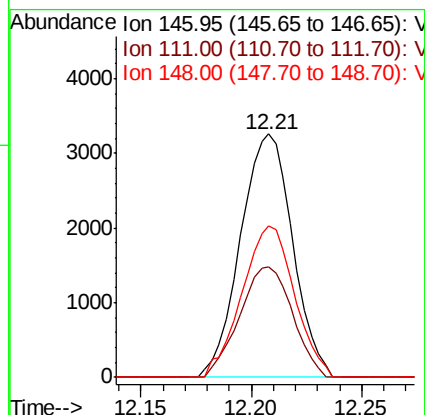
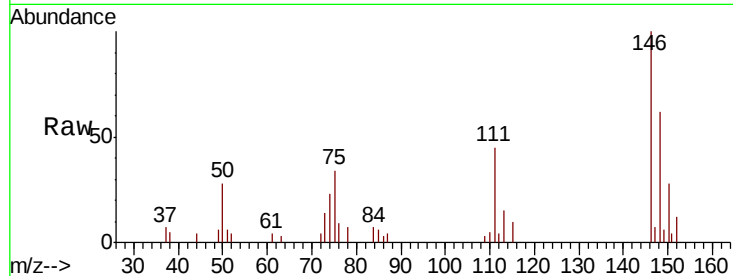




#67
 1,2-Dichlorobenzene
 Concen: 0.456 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU041434.D
 Acq: 30 Nov 2020 10:01

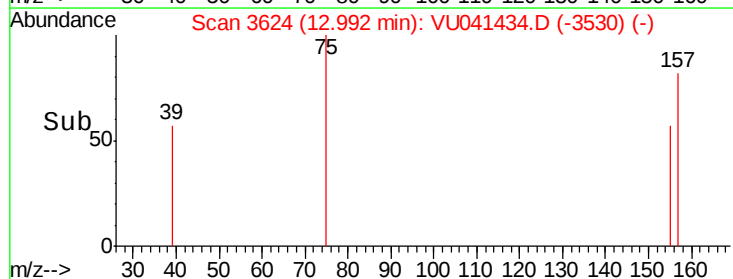
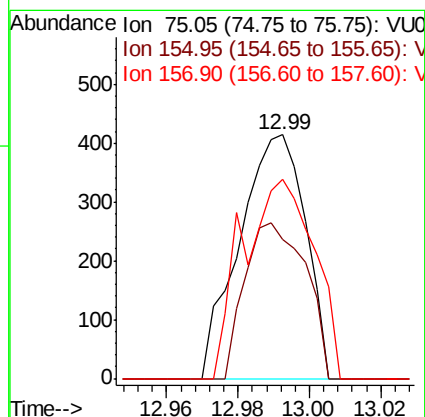
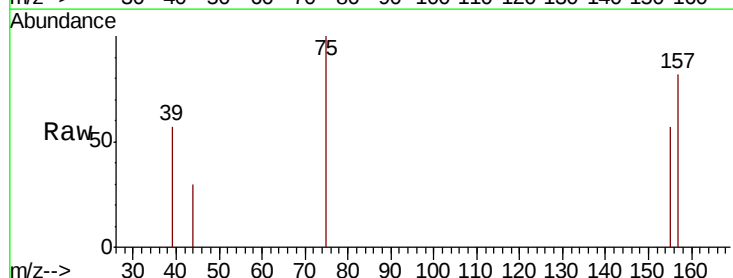
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5203

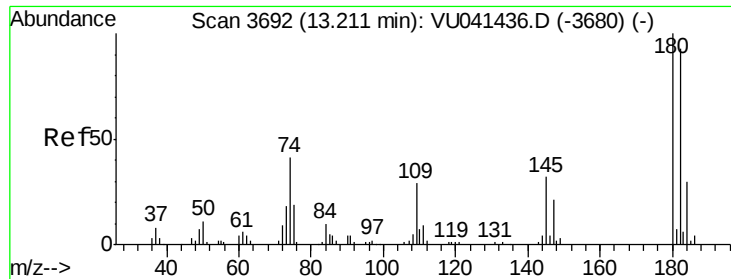
Tot Ion:146 Resp: 5343
 Ion Ratio Lower Upper
 146 100
 111 45.2 35.3 52.9
 148 62.5 49.6 74.4



#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.492 ug/L
 RT: 12.99 min Scan# 3624
 Delta R.T. 0.00 min
 Lab File: VU041434.D
 Acq: 30 Nov 2020 10:01

Tgt Ion: 75 Resp: 528
 Ion Ratio Lower Upper
 75 100
 155 57.2 59.3 88.9#
 157 81.9 75.1 112.7

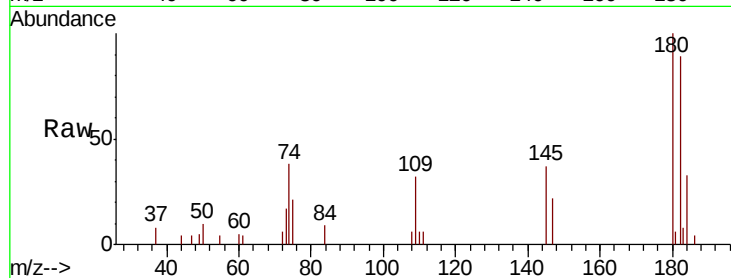




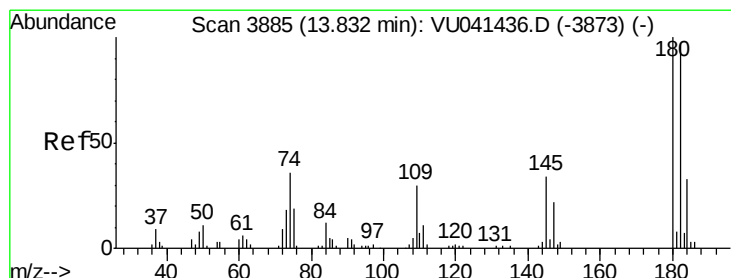
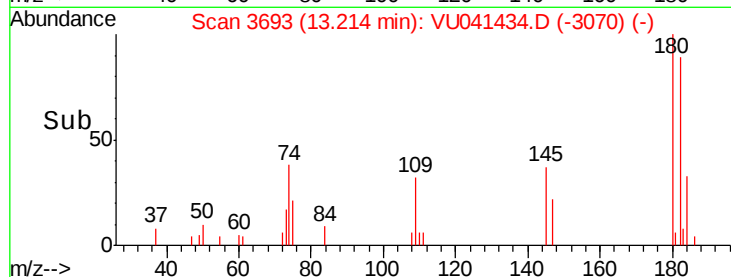
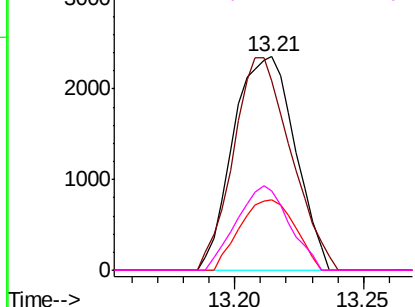
#69
 1,3,5-Trichlorobenzene
 Concen: 0.422 ug/L
 RT: 13.21 min Scan# 3693
 Delta R.T. 0.00 min
 Lab File: VU041434.D
 Acq: 30 Nov 2020 10:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5203

Tot Ion:180 Resp: 3926
 Ion Ratio Lower Upper
 180 100
 182 92.9 76.2 114.2
 184 29.7 24.1 36.1
 145 33.6 26.1 39.1

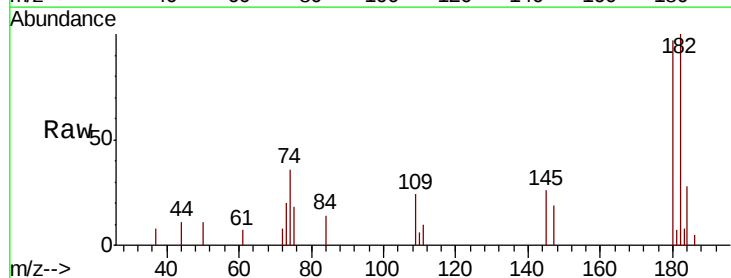


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

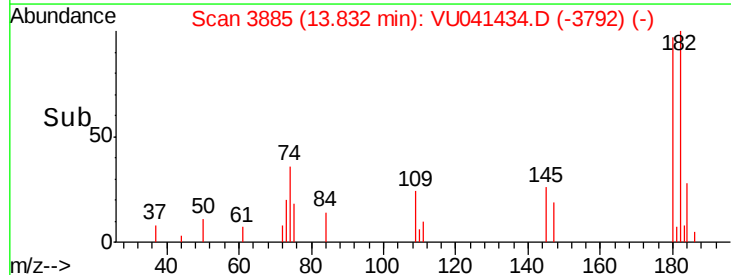
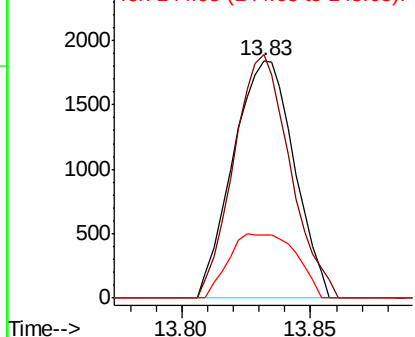


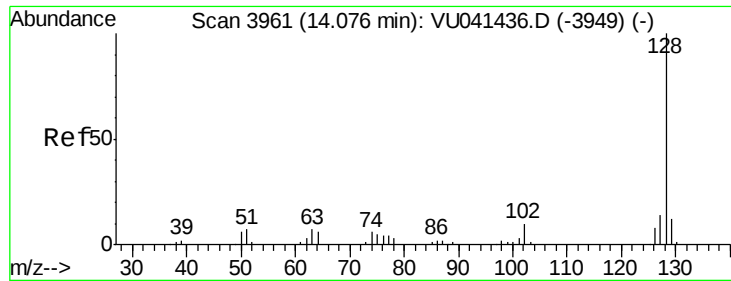
#70
 1,2,4-trichlorobenzene
 Concen: 0.391 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU041434.D
 Acq: 30 Nov 2020 10:01

Tgt Ion:180 Resp: 3032
 Ion Ratio Lower Upper
 180 100
 182 94.9 78.4 117.6
 145 29.8 27.4 41.0



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

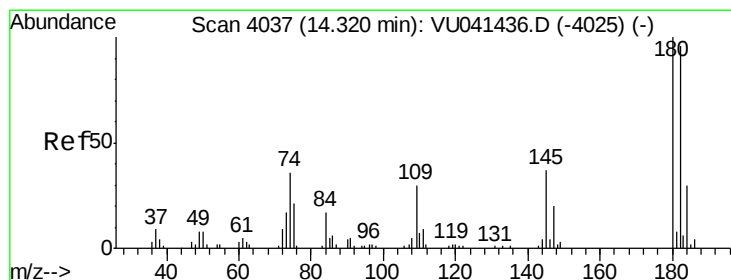
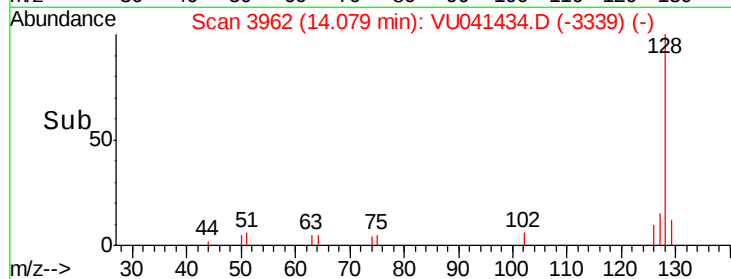
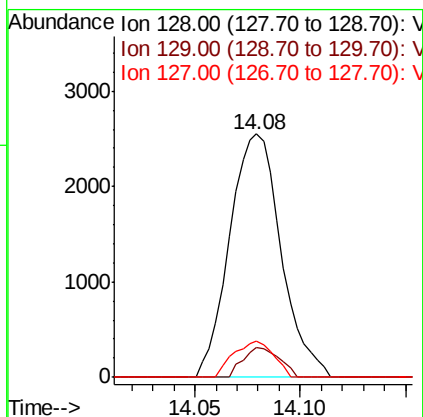
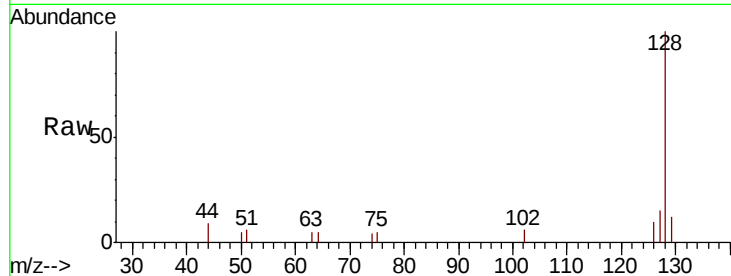




#71
Naphthalene
Concen: 0.323 ug/L
RT: 14.08 min Scan# 3962
Delta R.T. 0.00 min
Lab File: VU041434.D
Acq: 30 Nov 2020 10:01

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5203

Tot Ion:128 Resp: 4309
Ion Ratio Lower Upper
128 100
129 8.7 9.4 14.0#
127 11.4 10.8 16.2



#72
1,2,3-Trichlorobenzene
Concen: 0.354 ug/L
RT: 14.32 min Scan# 4038
Delta R.T. 0.00 min
Lab File: VU041434.D
Acq: 30 Nov 2020 10:01

Tgt Ion:180 Resp: 2570
Ion Ratio Lower Upper
180 100
182 92.8 77.6 116.4
145 33.6 28.6 43.0

