

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU113020\
 Data File : VU041439.D
 Acq On : 30 Nov 2020 12:09
 Operator : SY/MD
 Sample : VSTDICV005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV202

Quant Time: Dec 01 01:48:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR113020WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Dec 01 01:39:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	63561	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	61149	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	34893	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	23054	5.16	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	103.20%
7) Chloroethane-d5	1.92	69	17281	5.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.40%
11) 1,1-Dichloroethene-d2	2.58	65	10613	4.95	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.00%
20) 2-Butanone-d5	4.65	46	57211	41.66	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	83.32%
24) Chloroform-d	5.08	84	47348	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
26) 1,2-Dichloroethane-d4	5.72	65	29056	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.60%
32) Benzene-d6	5.74	84	76323	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.20%
36) 1,2-Dichloropropane-d6	6.70	67	22245	4.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.40%
41) Toluene-d8	7.90	98	74638	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.40%
43) trans-1,3-Dichloropropene-	8.18	79	12513	5.06	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.20%
46) 2-Hexanone-d5	8.64	63	43693	46.28	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.56%
56) 1,1,2,2-Tetrachloroethane-	10.75	84	23478	5.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.20%
66) 1,2-Dichlorobenzene-d4	12.19	152	31673	5.08	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	37796	5.419	ug/L	99
3) Chloromethane	1.52	50	25892	4.961	ug/L	99
5) Vinyl chloride	1.61	62	29811	5.541	ug/L	99
6) Bromomethane	1.86	94	17903	5.629	ug/L	95
8) Chloroethane	1.94	64	17791	4.954	ug/L	93
9) Trichlorofluoromethane	2.15	101	55563	5.452	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	24579	5.318	ug/L	96
12) 1,1-Dichloroethene	2.59	96	21286	5.463	ug/L	95
13) Acetone	2.66	43	47426	47.183	ug/L	99
14) Carbon disulfide	2.81	76	57135	5.051	ug/L	98
15) Methyl Acetate	2.97	43	9444	4.623	ug/L	93
16) Methylene chloride	3.06	84	23674	4.820	ug/L	95
17) Methyl tert-butyl Ether	3.38	73	61814	5.170	ug/L	97
18) trans-1,2-Dichloroethene	3.37	96	21849	5.350	ug/L	95
19) 1,1-Dichloroethane	3.89	63	42278	5.028	ug/L	98
21) 2-Butanone	4.73	43	63697	43.748	ug/L	93
22) cis-1,2-Dichloroethene	4.68	96	24399	5.383	ug/L	91

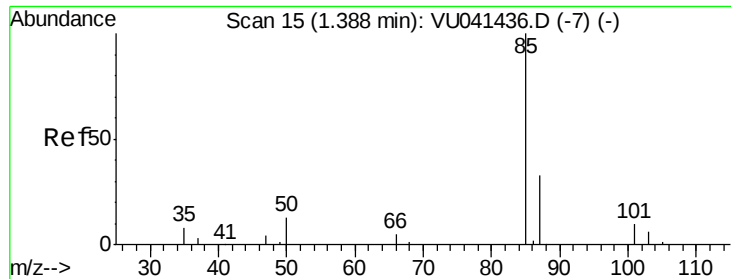
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU113020\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	12209	5.413	ug/L	87
25) Chloroform	5.11	83	51494	5.189	ug/L	96
27) 1,2-Dichloroethane	5.81	62	36508	4.900	ug/L	97
29) 1,1,1-Trichloroethane	5.33	97	48596	5.561	ug/L	98
30) Cyclohexane	5.40	56	31668	5.073	ug/L	91
31) Carbon tetrachloride	5.54	117	45023	5.660	ug/L	99
33) Benzene	5.79	78	88787	5.174	ug/L	100
34) Trichloroethene	6.55	95	26320	5.566	ug/L	97
35) Methylcyclohexane	6.77	83	36154	5.561	ug/L	95
37) 1,2-Dichloropropane	6.80	63	22067	5.058	ug/L #	98
38) Bromodichloromethane	7.11	83	37735	5.450	ug/L	100
39) cis-1,3-Dichloropropene	7.61	75	36716	5.356	ug/L	96
40) 4-Methyl-2-pentanone	7.80	43	151274	47.365	ug/L	97
42) Toluene	7.97	91	100701	5.444	ug/L	99
44) trans-1,3-Dichloropropene	8.21	75	36180	5.361	ug/L	98
45) 1,1,2-Trichloroethane	8.40	97	18615	5.388	ug/L	96
47) Tetrachloroethene	8.56	164	20816	5.915	ug/L	98
48) 2-Hexanone	8.69	43	114853	46.984	ug/L	97
49) Dibromochloromethane	8.81	129	26342	5.582	ug/L	96
50) 1,2-Dibromoethane	8.93	107	18521	5.490	ug/L	96
51) Chlorobenzene	9.45	112	68402	5.683	ug/L	96
52) Ethylbenzene	9.57	91	115932	5.541	ug/L	96
53) m,p-Xylene	9.69	106	42531	5.636	ug/L	94
54) o-Xylene	10.10	106	42756	5.866	ug/L	96
55) Styrene	10.11	104	77512	6.040	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.78	83	26534	5.793	ug/L	99
59) Bromoform	10.29	173	15296	5.377	ug/L	97
60) Isopropylbenzene	10.48	105	123603	5.739	ug/L	99
61) 1,2,3-Trichloropropane	10.82	75	19881	5.309	ug/L	96
62) 1,3,5-Trimethylbenzene	11.09	105	104906	5.692	ug/L	99
63) 1,2,4-Trimethylbenzene	11.47	105	109239	5.839	ug/L	98
64) 1,3-Dichlorobenzene	11.74	146	60060	5.600	ug/L	98
65) 1,4-Dichlorobenzene	11.83	146	61793	5.686	ug/L	98
67) 1,2-Dichlorobenzene	12.21	146	56726	5.408	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.99	75	5395	5.271	ug/L	93
69) 1,3,5-Trichlorobenzene	13.21	180	46698	5.736	ug/L	99
70) 1,2,4-trichlorobenzene	13.83	180	39953	5.897	ug/L	98
71) Naphthalene	14.08	128	69021	6.158	ug/L	98
72) 1,2,3-Trichlorobenzene	14.32	180	35440	5.832	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 5.419 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041439.D

Acq: 30 Nov 2020 12:09

Instrument :

MSVOA_U

ClientSampleId :

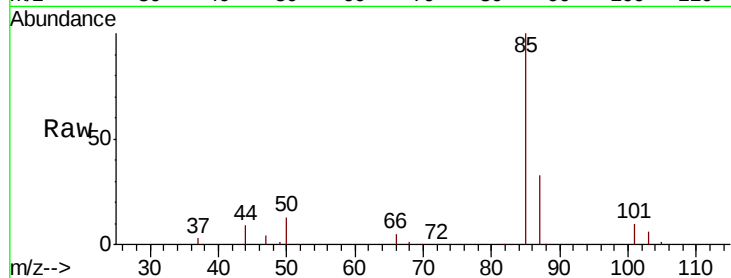
VICV202

Tot Ion: 85 Resp: 37796

Ion Ratio Lower Upper

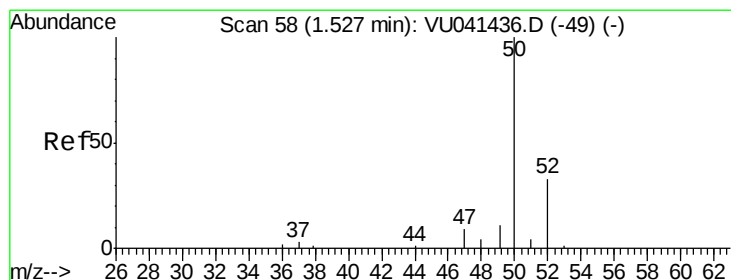
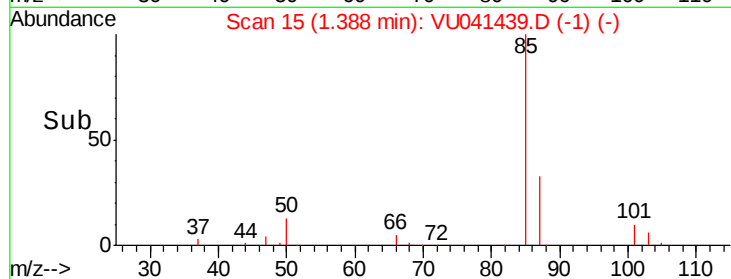
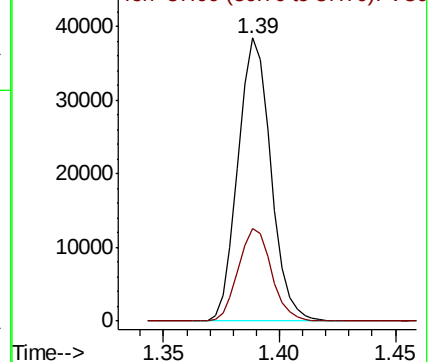
85 100

87 33.0 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: 4.961 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU041439.D

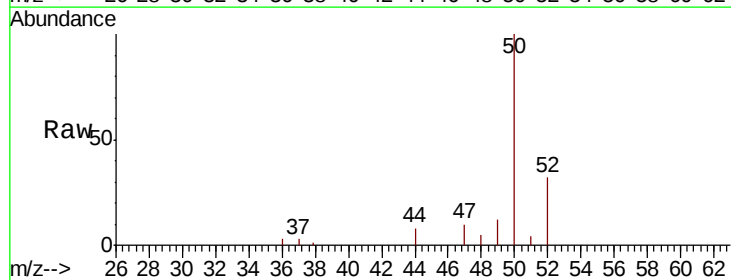
Acq: 30 Nov 2020 12:09

Tgt Ion: 50 Resp: 25892

Ion Ratio Lower Upper

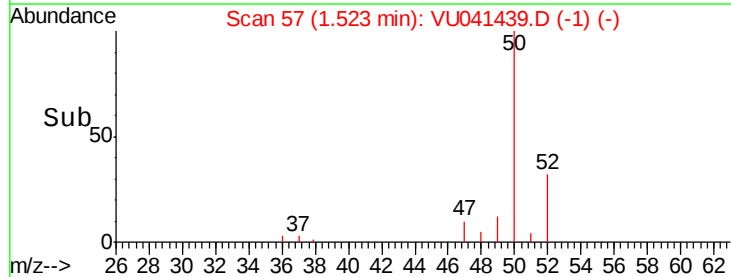
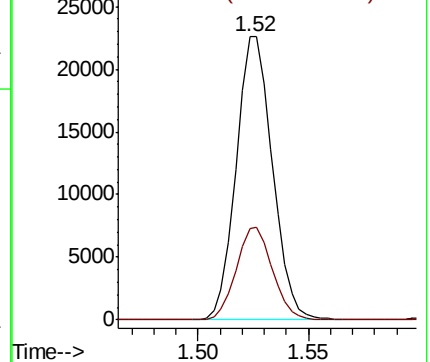
50 100

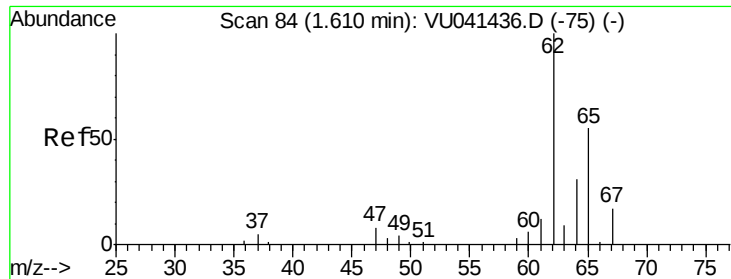
52 32.3 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 5.541 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041439.D

Acq: 30 Nov 2020 12:09

Instrument :

MSVOA_U

ClientSampleId :

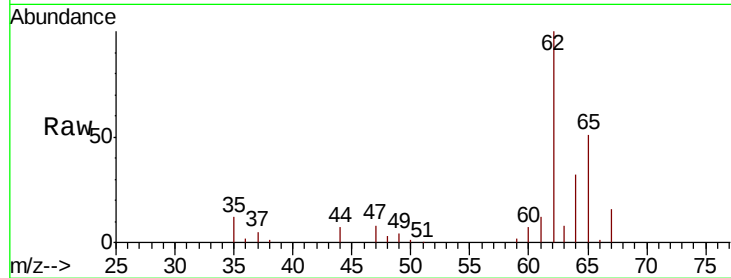
VICV202

Tot Ion: 62 Resp: 29811

Ion Ratio Lower Upper

62 100

64 31.7 22.0 40.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.61

30000

25000

20000

15000

10000

5000

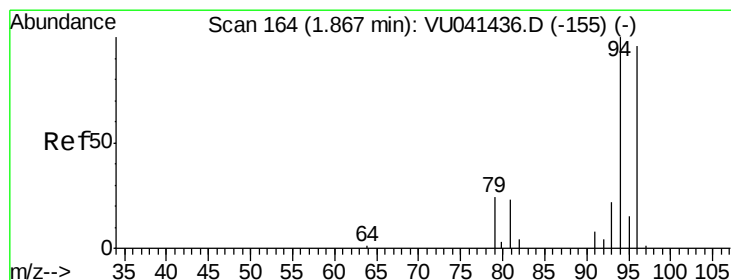
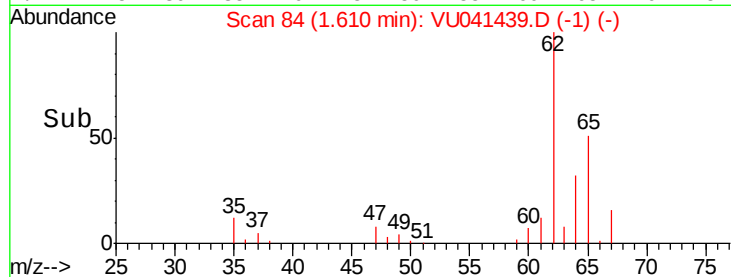
0

Time-->

1.55

1.60

1.65



#6

Bromomethane

Concen: 5.629 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU041439.D

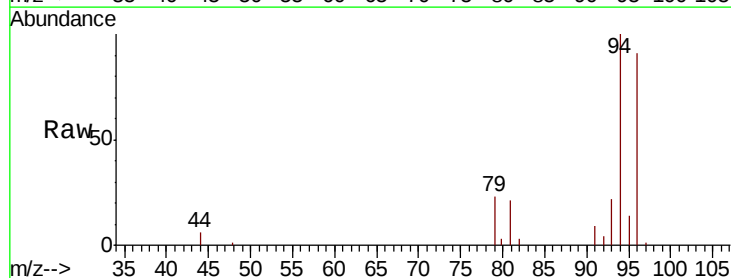
Acq: 30 Nov 2020 12:09

Tgt Ion: 94 Resp: 17903

Ion Ratio Lower Upper

94 100

96 91.0 67.5 125.3



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.86

15000

10000

5000

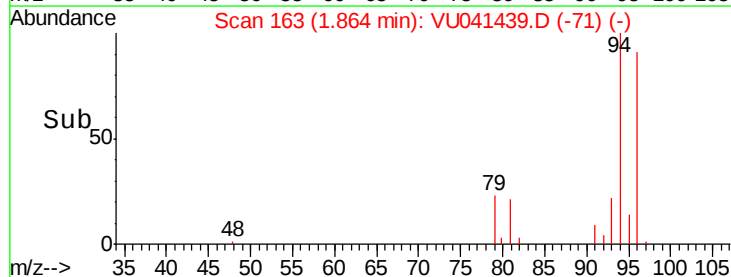
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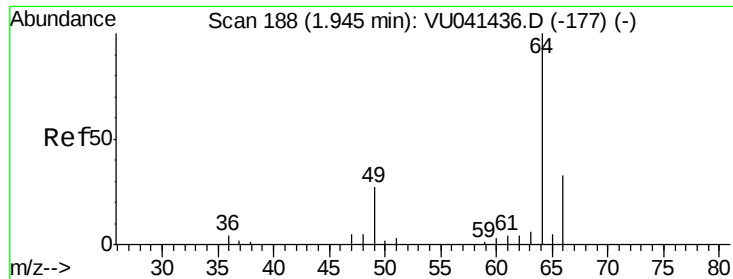
Time-->

1.80

1.85

1.90

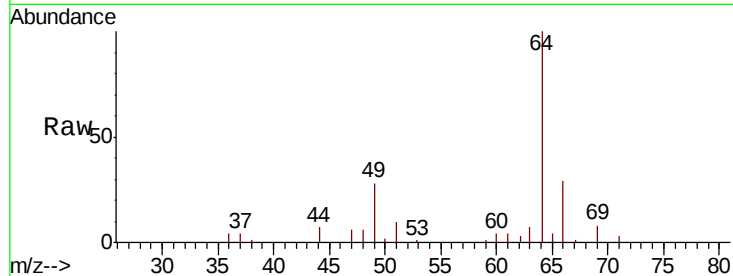




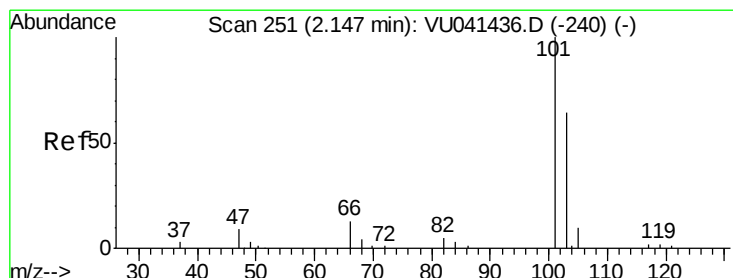
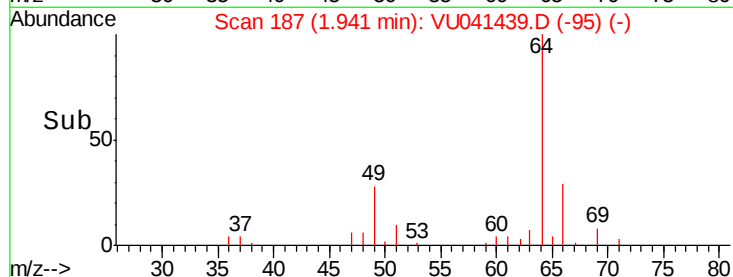
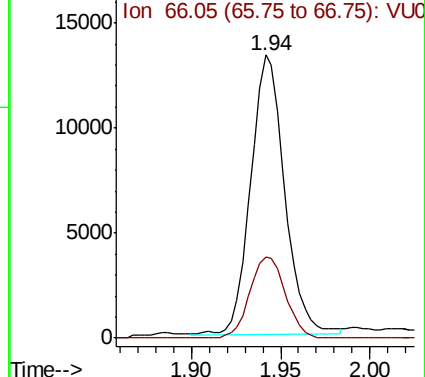
#8
Chloroethane
Concen: 4.954 ug/L
RT: 1.94 min Scan# 187
Delta R.T. -0.00 min
Lab File: VU041439.D
Acq: 30 Nov 2020 12:09

Instrument :
MSVOA_U
ClientSampleId :
VICV202

Tot Ion: 64 Resp: 17791
Ion Ratio Lower Upper
64 100
66 28.8 23.0 42.8

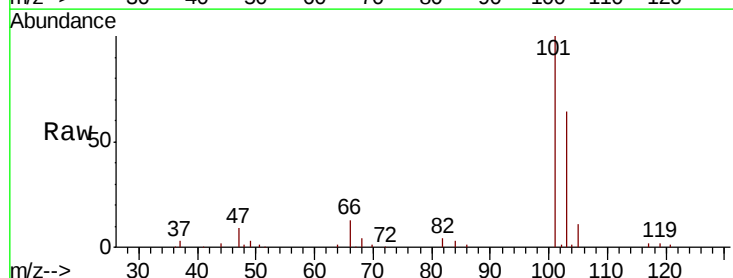


Abundance Ion 64.10 (63.80 to 64.80): VU041439.D (-177) (-)
Ion 66.05 (65.75 to 66.75): VU041439.D (-177) (-)

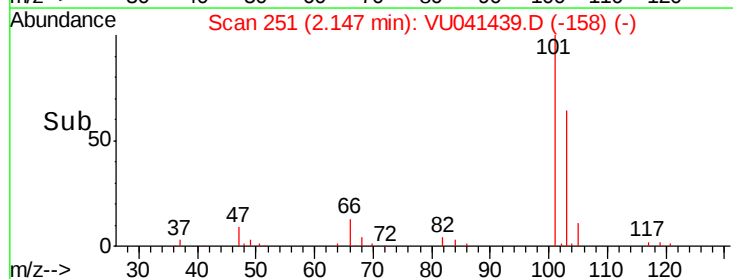
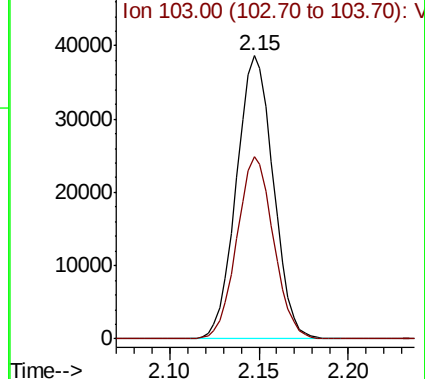


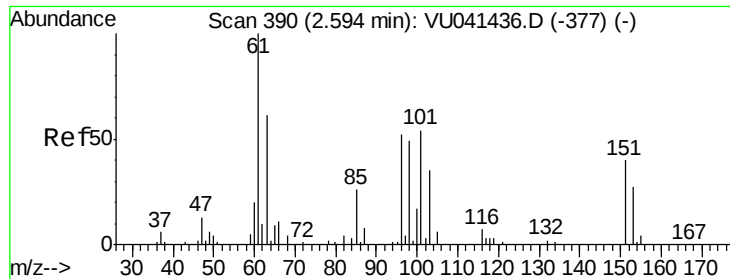
#9
Trichlorofluoromethane
Concen: 5.452 ug/L
RT: 2.15 min Scan# 251
Delta R.T. 0.00 min
Lab File: VU041439.D
Acq: 30 Nov 2020 12:09

Tgt Ion:101 Resp: 55563
Ion Ratio Lower Upper
101 100
103 63.8 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): VU041439.D (-240) (-)
Ion 103.00 (102.70 to 103.70): VU041439.D (-240) (-)





#10

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

Concen: 5.318 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU041439.D

Acq: 30 Nov 2020 12:09

Instrument :

MSVOA_U

ClientSampleId :

VICV202

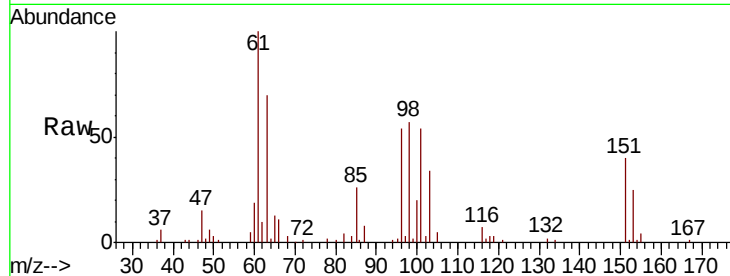
Tot Ion:101 Resp: 24579

Ion Ratio Lower Upper

101 100

85 47.9 39.4 59.0

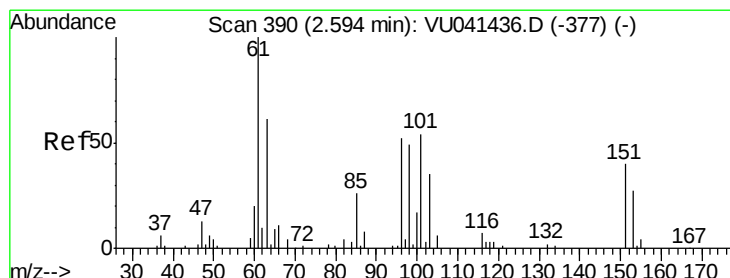
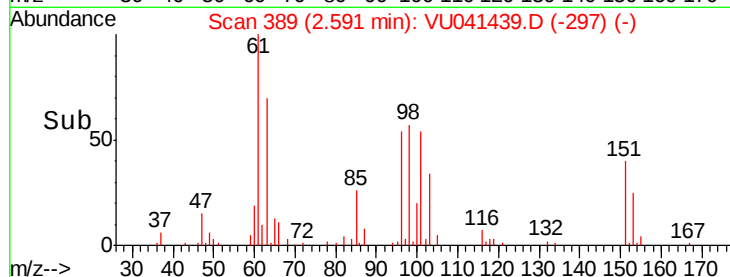
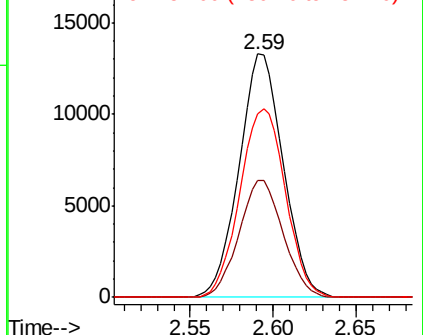
151 80.1 60.7 91.1



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: 5.463 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU041439.D

Acq: 30 Nov 2020 12:09

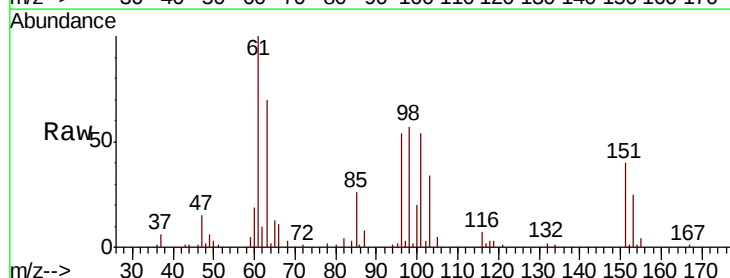
Tgt Ion: 96 Resp: 21286

Ion Ratio Lower Upper

96 100

61 183.9 133.3 247.7

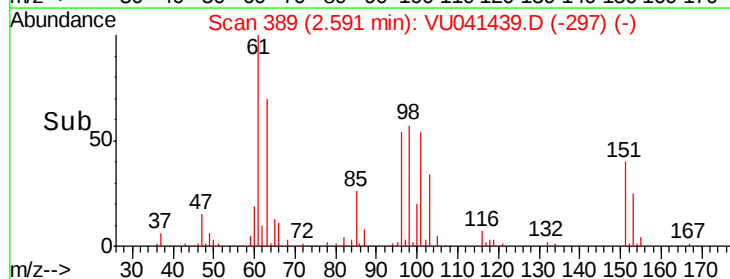
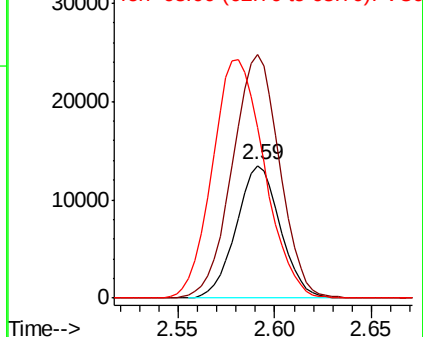
63 129.1 86.6 160.8

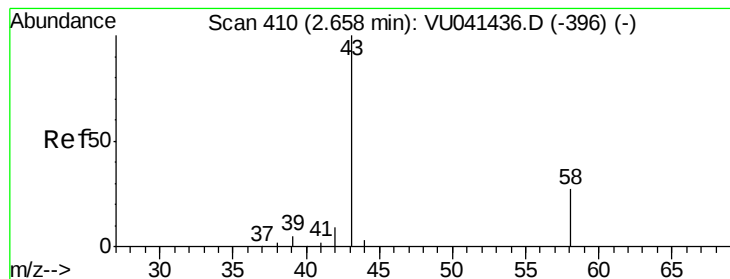


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 47.183 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU041439.D

Acq: 30 Nov 2020 12:09

Instrument :

MSVOA_U

ClientSampleId :

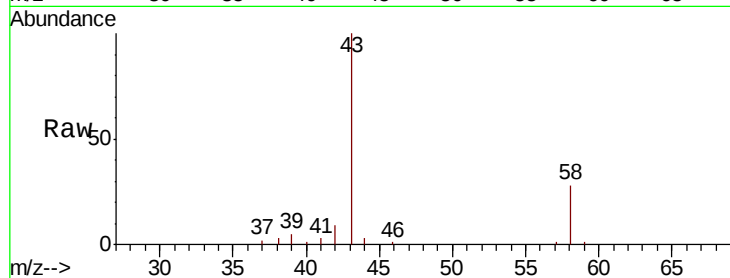
VICV202

Tot Ion: 43 Resp: 47426

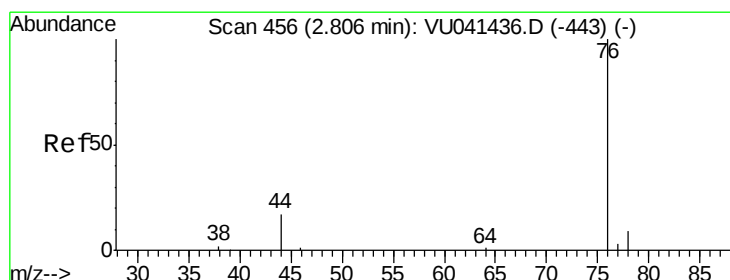
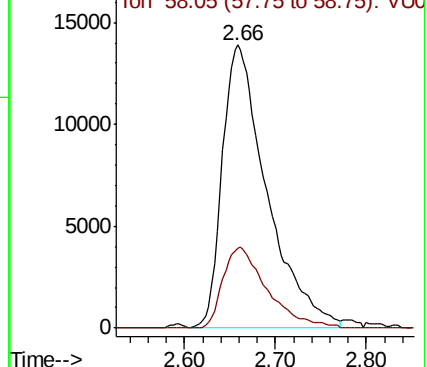
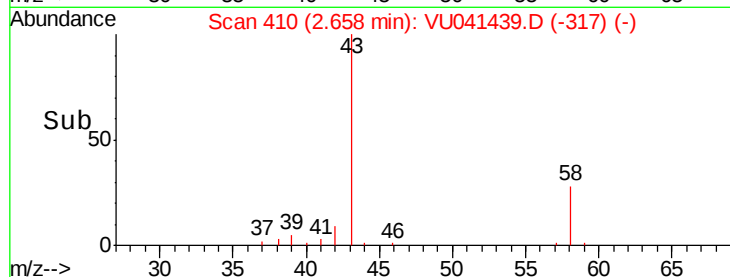
Ion Ratio Lower Upper

43 100

58 27.9 0.0 54.8



Abundance Ion 43.05 (42.75 to 43.75): VU041439.D (-317) (-)



#14

Carbon disulfide

Concen: 5.051 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU041439.D

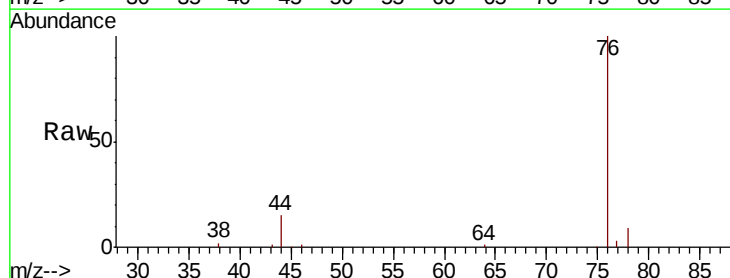
Acq: 30 Nov 2020 12:09

Tgt Ion: 76 Resp: 57135

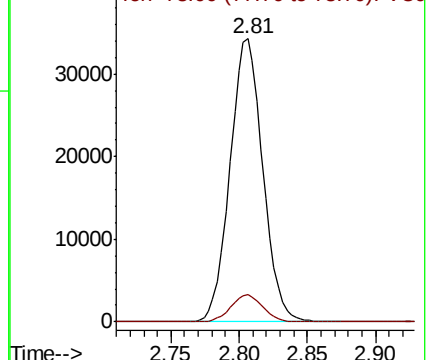
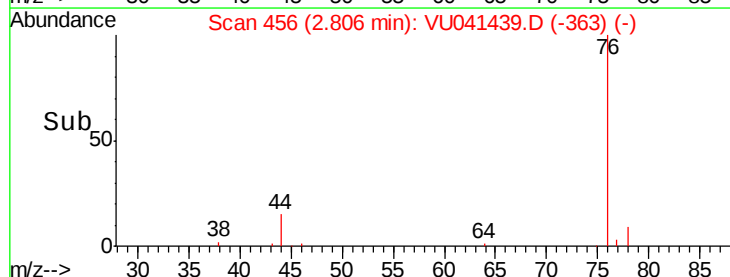
Ion Ratio Lower Upper

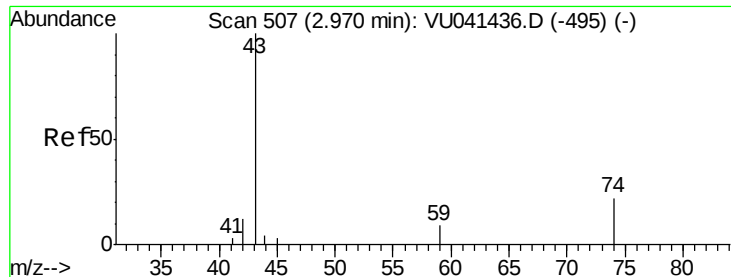
76 100

78 9.5 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU041439.D (-363) (-)

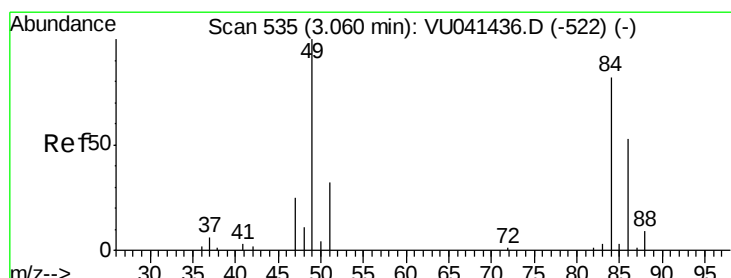
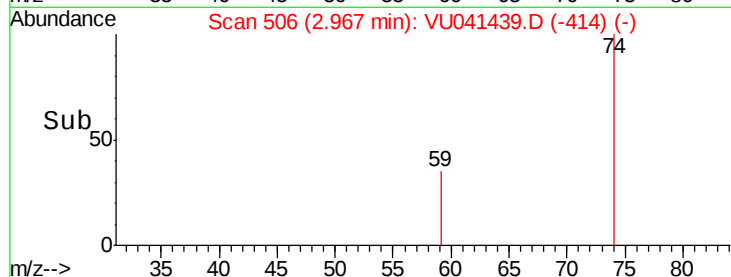
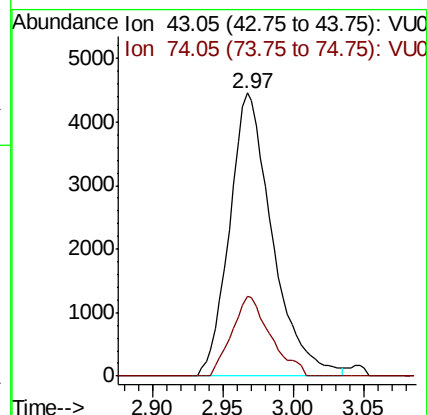
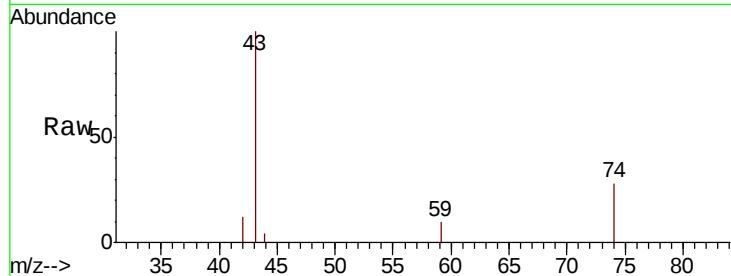




#15
Methyl Acetate
Concen: 4.623 ug/L
RT: 2.97 min Scan# 506
Delta R.T. -0.00 min
Lab File: VU041439.D
Acq: 30 Nov 2020 12:09

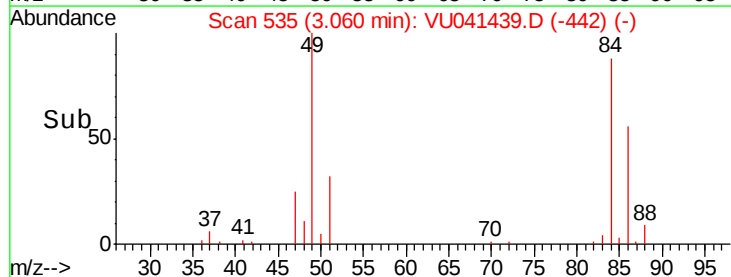
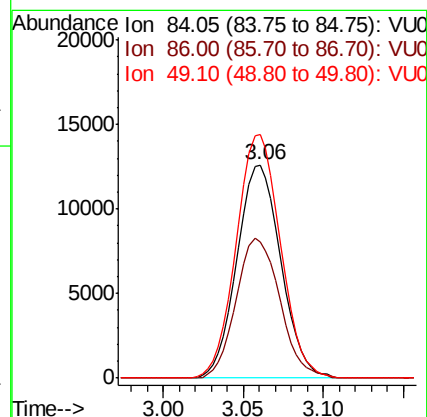
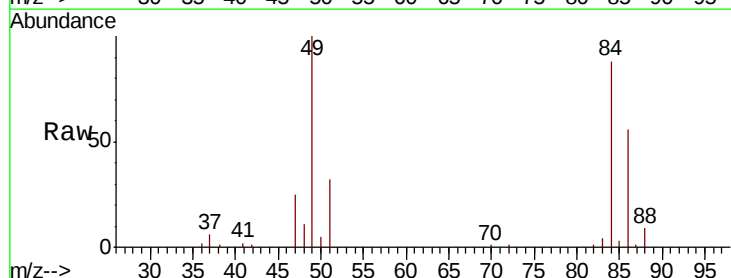
Instrument :
MSVOA_U
ClientSampleId :
VICV202

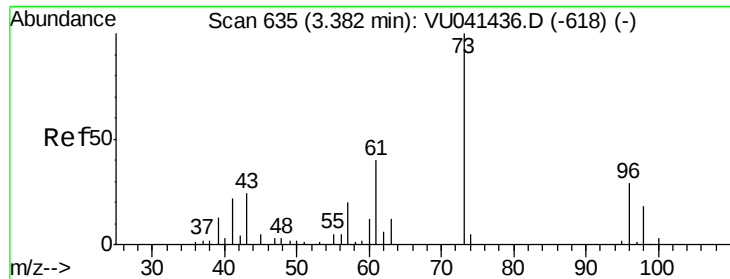
Tot Ion: 43 Resp: 9444
Ion Ratio Lower Upper
43 100
74 25.3 17.8 26.6



#16
Methylene chloride
Concen: 4.820 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU041439.D
Acq: 30 Nov 2020 12:09

Tgt Ion: 84 Resp: 23674
Ion Ratio Lower Upper
84 100
86 63.8 44.8 83.2
49 114.1 85.3 158.3

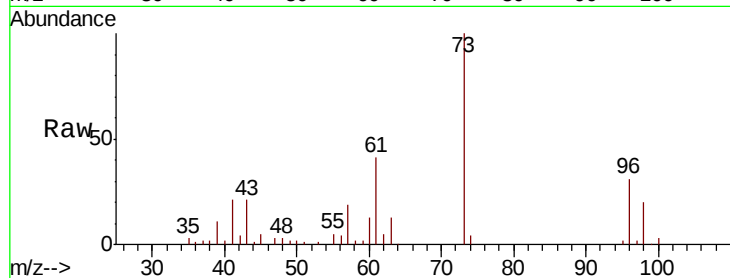




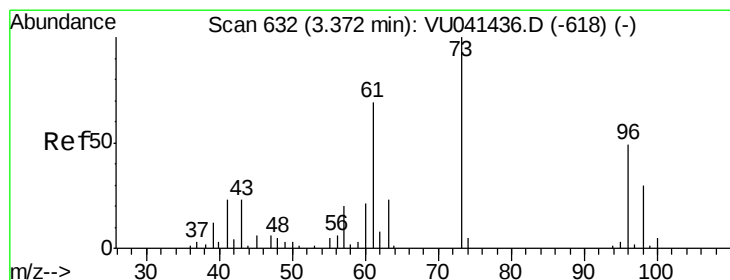
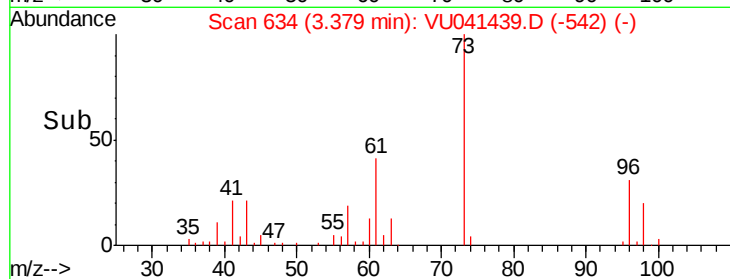
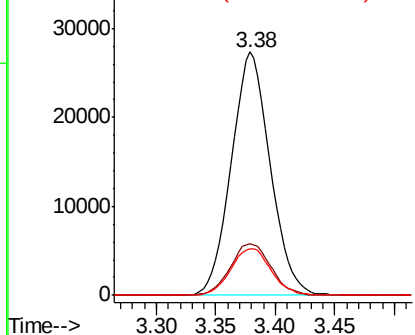
#17
Methvl tert-butvl Ether
Concen: 5.170 ug/L
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU041439.D
Acq: 30 Nov 2020 12:09

Instrument :
MSVOA_U
ClientSampleId :
VICV202

Tot Ion: 73 Resp: 61814
Ion Ratio Lower Upper
73 100
43 22.0 19.2 28.8
57 19.9 16.5 24.7

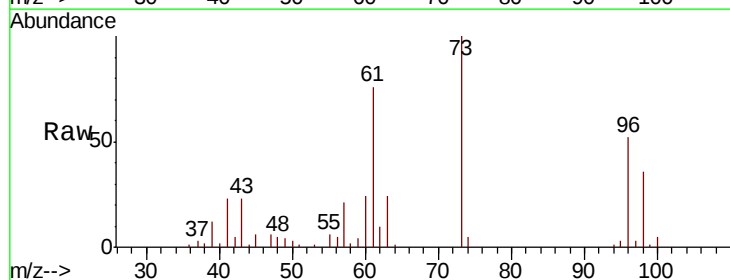


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

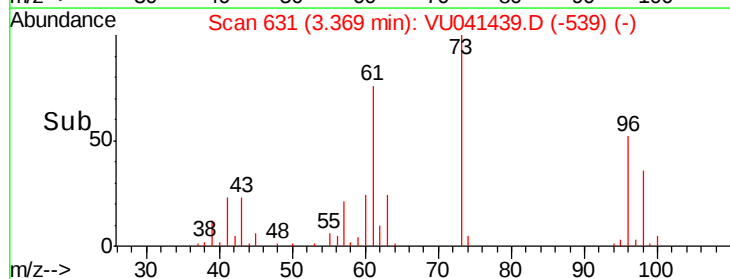
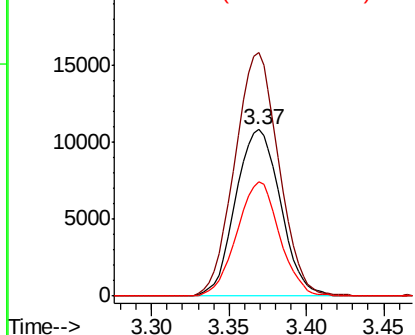


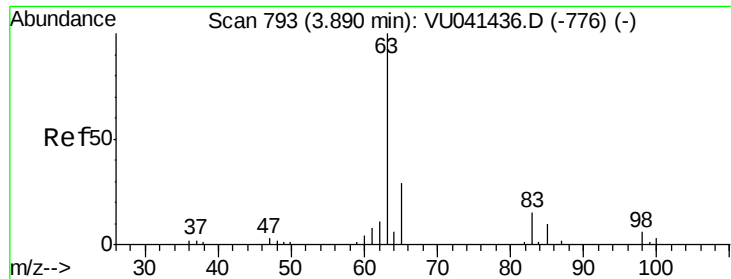
#18
trans-1,2-Dichloroethene
Concen: 5.350 ug/L
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU041439.D
Acq: 30 Nov 2020 12:09

Tgt Ion: 96 Resp: 21849
Ion Ratio Lower Upper
96 100
61 146.1 100.0 185.6
98 68.8 42.6 79.2



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

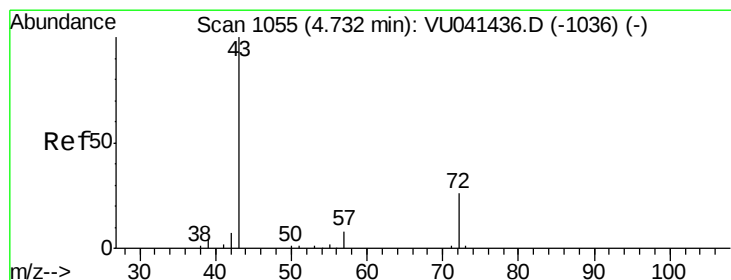
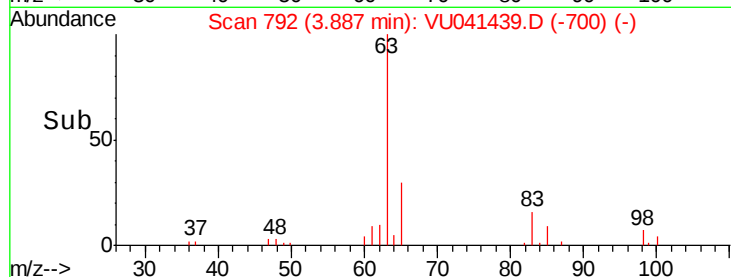
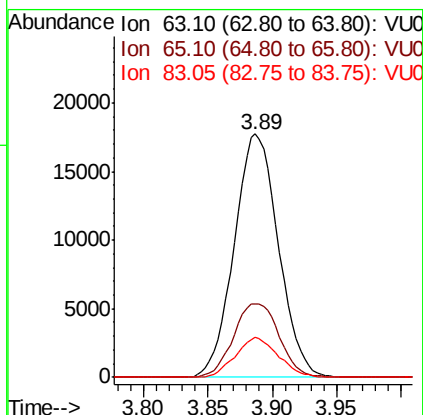
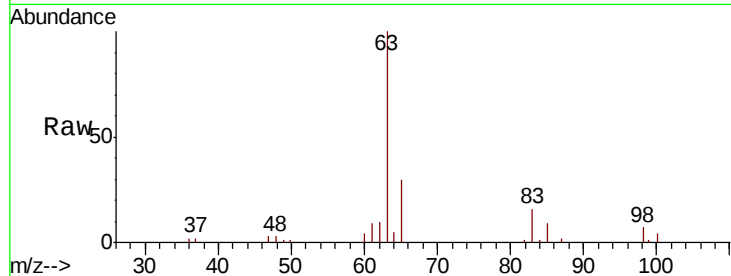




#19
 1,1-Dichloroethane
 Concen: 5.028 ug/L
 RT: 3.89 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: VU041439.D
 Acq: 30 Nov 2020 12:09

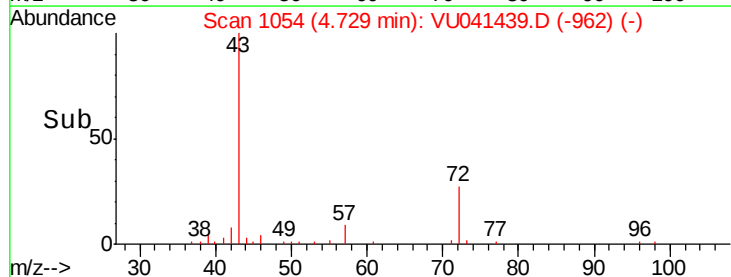
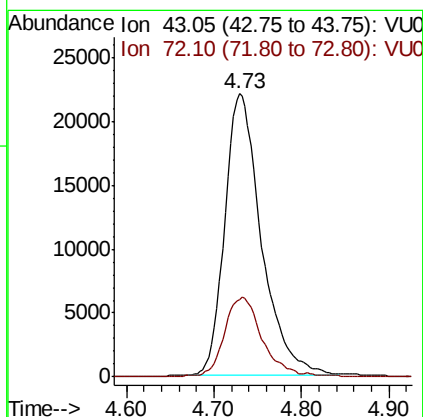
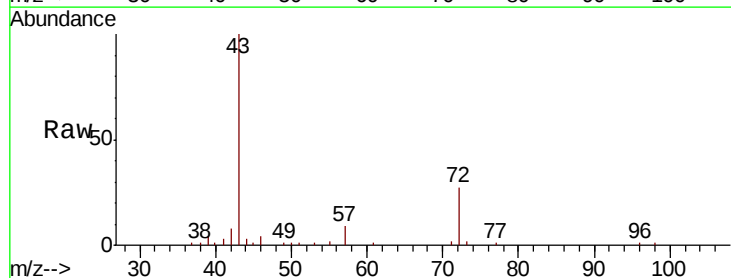
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV202

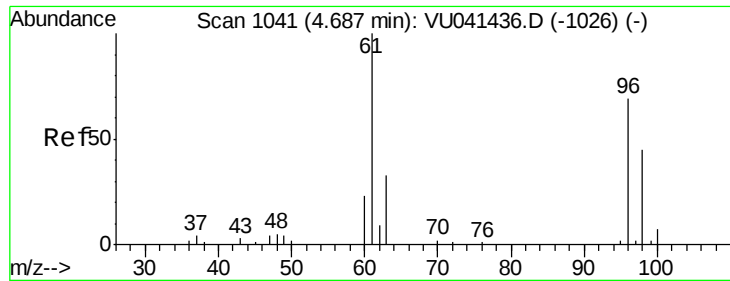
Tot Ion: 63 Resp: 42278
 Ion Ratio Lower Upper
 63 100
 65 30.3 20.2 37.6
 83 16.2 10.8 20.0



#21
 2-Butanone
 Concen: 43.748 ug/L
 RT: 4.73 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VU041439.D
 Acq: 30 Nov 2020 12:09

Tgt Ion: 43 Resp: 63697
 Ion Ratio Lower Upper
 43 100
 72 29.1 12.9 38.6





#22

cis-1,2-Dichloroethene

Concen: 5.383 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU041439.D

Acq: 30 Nov 2020 12:09

Instrument :

MSVOA_U

ClientSampleId :

VICV202

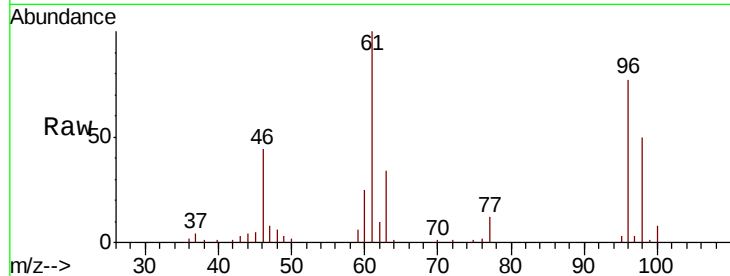
Tot Ion: 96 Resp: 24399

Ion Ratio Lower Upper

96 100

61 130.5 102.2 189.8

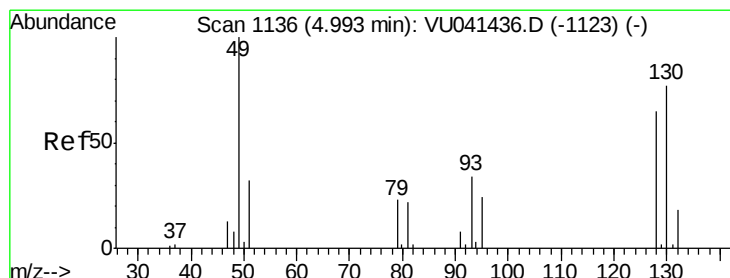
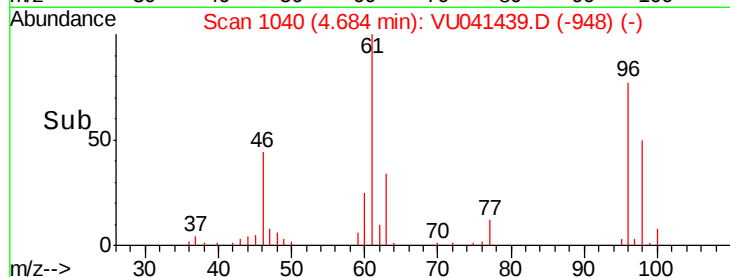
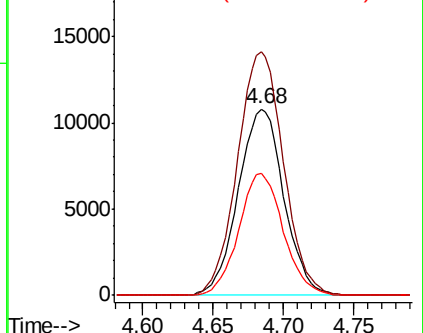
98 65.4 45.6 84.6



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: 5.413 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU041439.D

Acq: 30 Nov 2020 12:09

Tgt Ion: 128 Resp: 12209

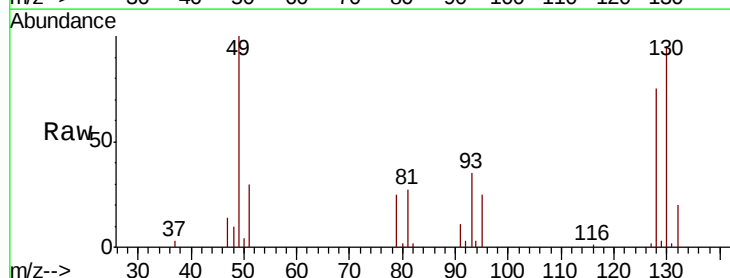
Ion Ratio Lower Upper

128 100

49 133.4 110.3 204.9

130 126.5 84.4 156.8

51 40.6 39.3 58.9

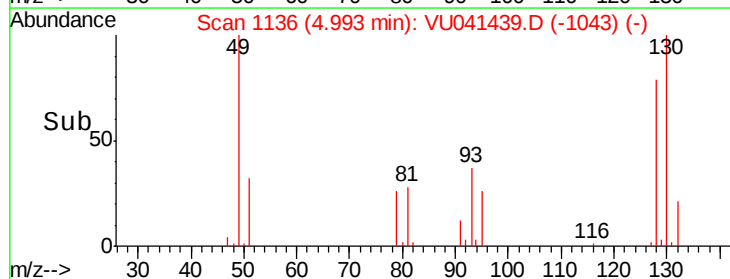
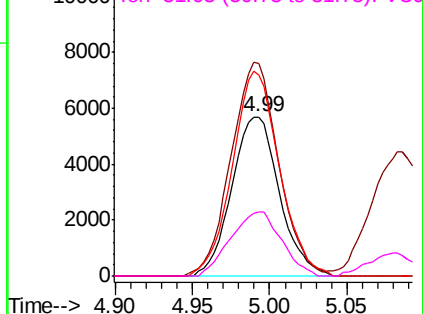


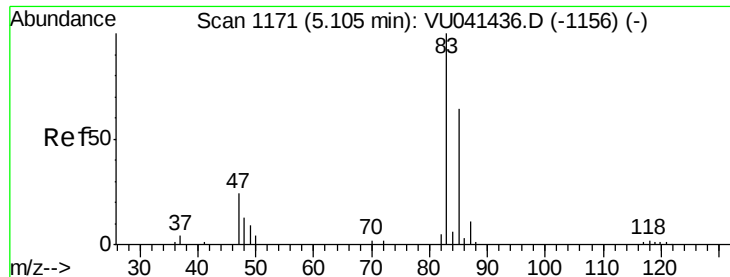
Abundance Ion 127.90 (127.60 to 128.60): V

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

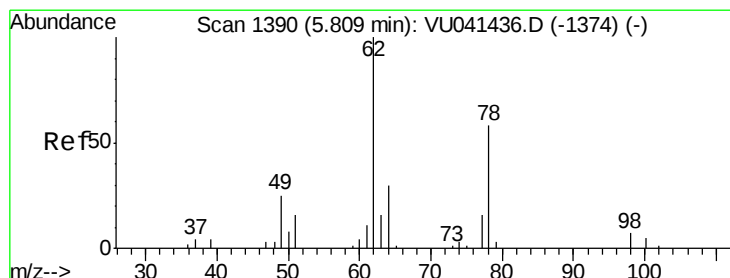
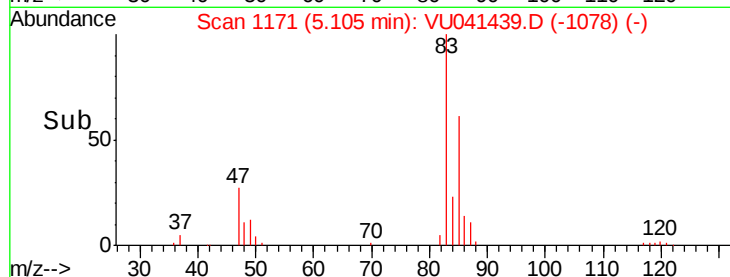
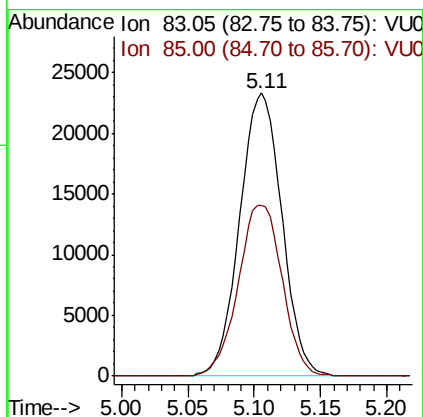
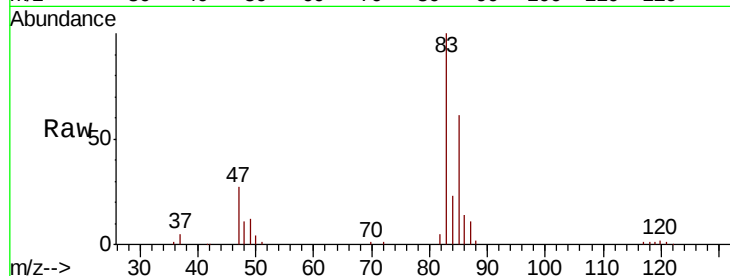




#25
Chloroform
Concen: 5.189 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU041439.D
Acq: 30 Nov 2020 12:09

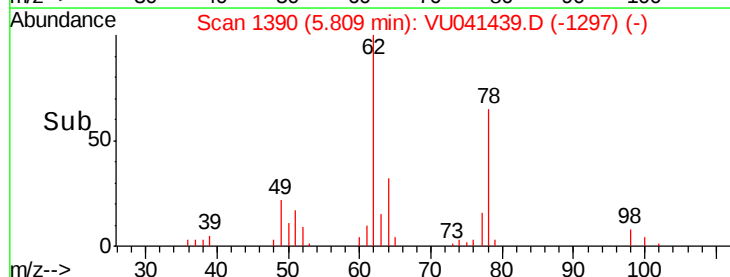
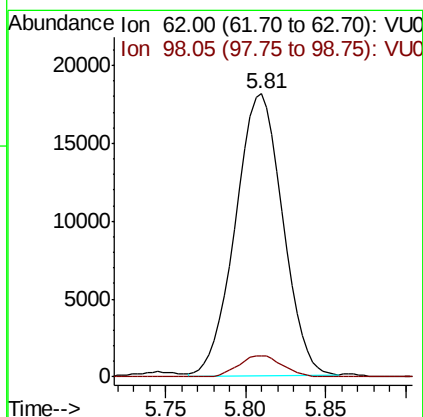
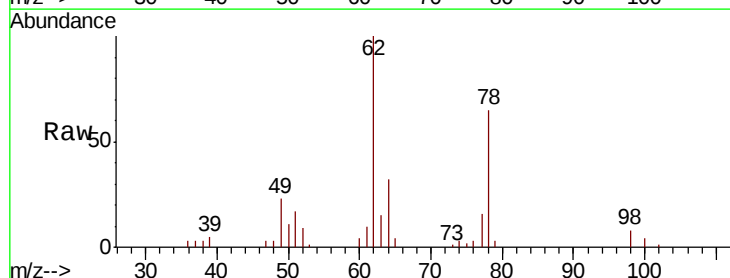
Instrument :
MSVOA_U
ClientSampleId :
VICV202

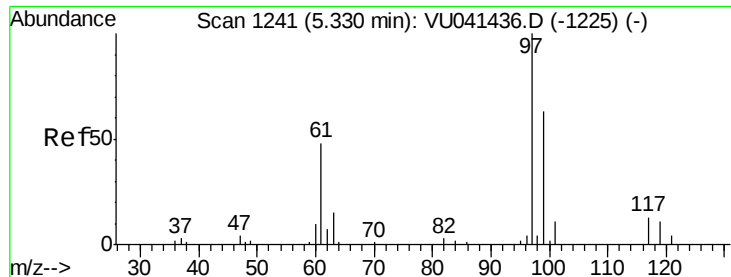
Tot Ion: 83 Resp: 51494
Ion Ratio Lower Upper
83 100
85 60.5 44.6 82.8



#27
1,2-Dichloroethane
Concen: 4.900 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU041439.D
Acq: 30 Nov 2020 12:09

Tgt Ion: 62 Resp: 36508
Ion Ratio Lower Upper
62 100
98 7.6 5.4 8.0

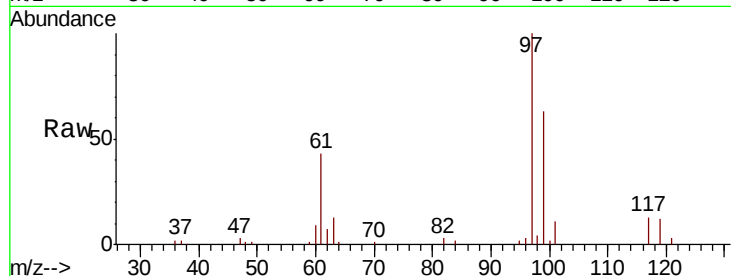




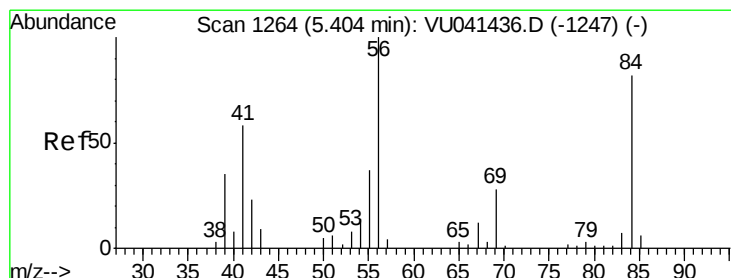
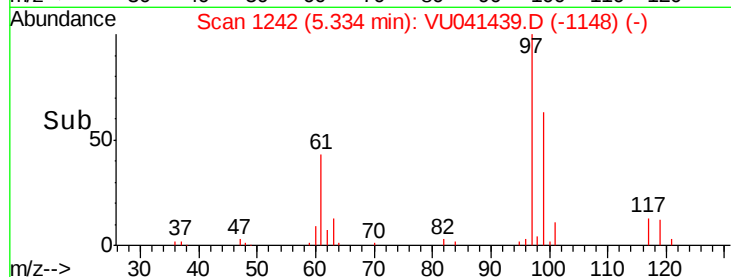
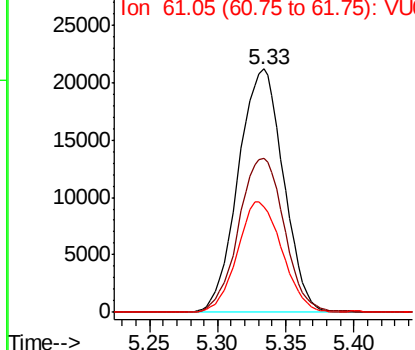
#29
1,1,1-Trichloroethane
Concen: 5.561 ug/L
RT: 5.33 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VU041439.D
Acq: 30 Nov 2020 12:09

Instrument :
MSVOA_U
ClientSampled :
VICV202

Tot Ion: 97 Resp: 48596
Ion Ratio Lower Upper
97 100
99 64.2 51.0 76.6
61 44.7 38.1 57.1

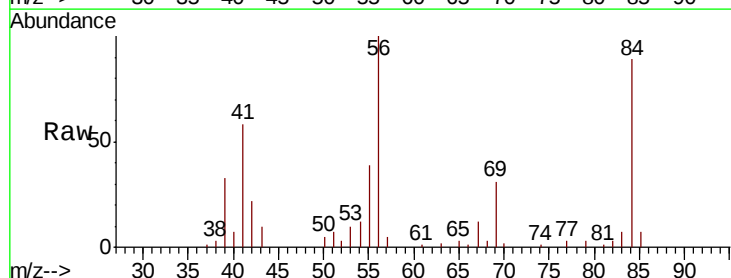


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

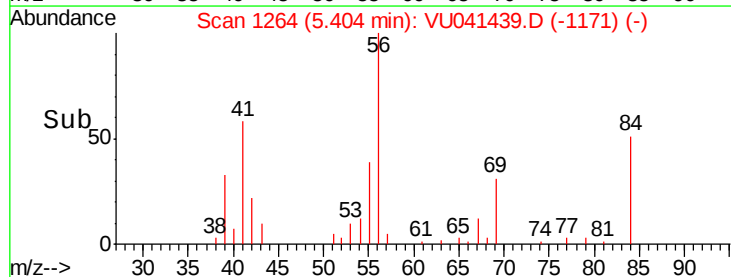
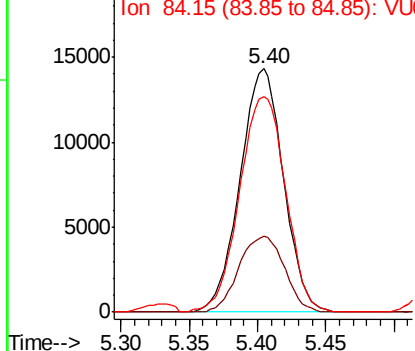


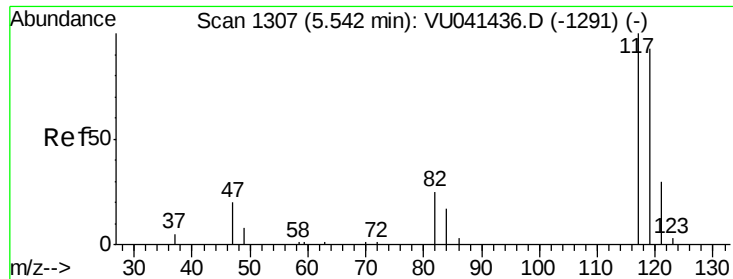
#30
Cyclohexane
Concen: 5.073 ug/L
RT: 5.40 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VU041439.D
Acq: 30 Nov 2020 12:09

Tgt Ion: 56 Resp: 31668
Ion Ratio Lower Upper
56 100
69 32.4 23.2 34.8
84 93.8 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: 5.660 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. -0.00 min

Lab File: VU041439.D

Acq: 30 Nov 2020 12:09

Instrument :

MSVOA_U

ClientSampleId :

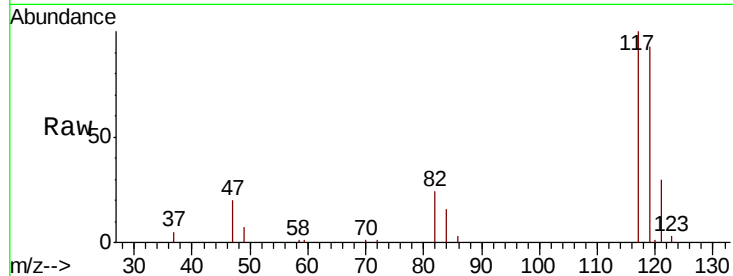
VICV202

Tot Ion:117 Resp: 45023

Ion Ratio Lower Upper

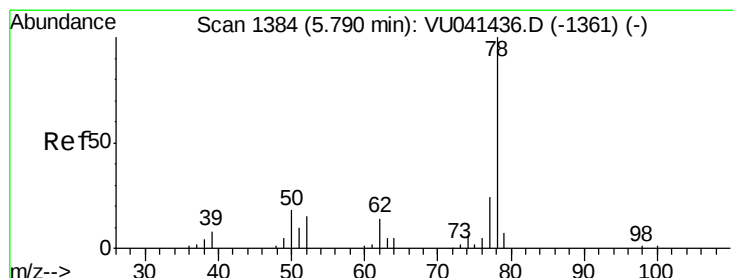
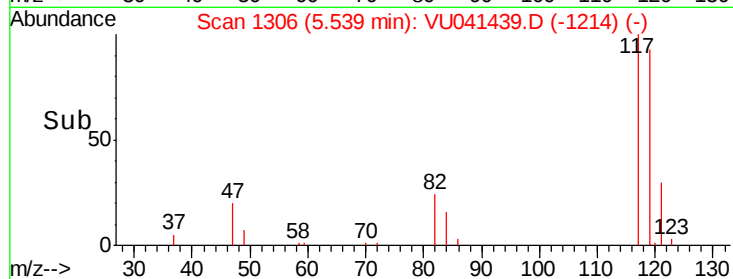
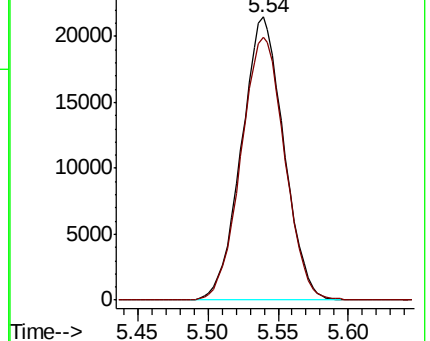
117 100

119 95.6 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: 5.174 ug/L

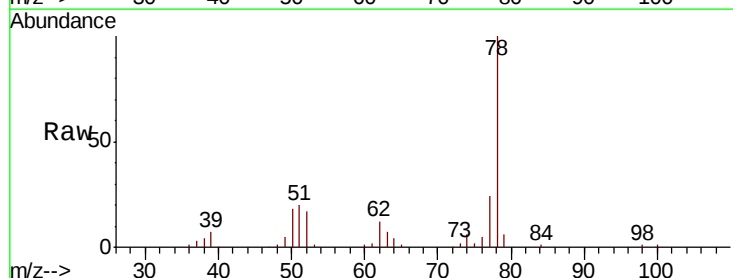
RT: 5.79 min Scan# 1383

Delta R.T. -0.00 min

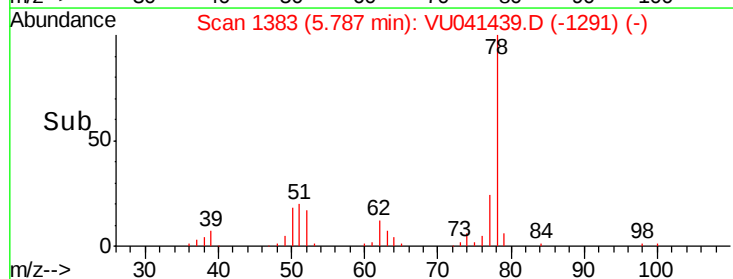
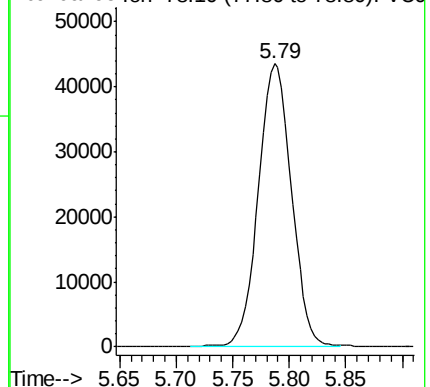
Lab File: VU041439.D

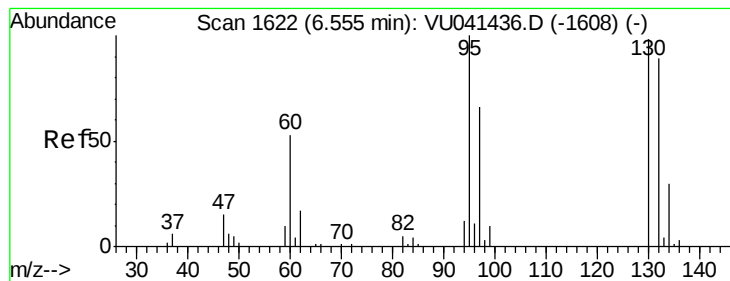
Acq: 30 Nov 2020 12:09

Tgt Ion: 78 Resp: 88787



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.566 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VU041439.D

Acq: 30 Nov 2020 12:09

Instrument :

MSVOA_U

ClientSampleId :

VICV202

Tot Ion: 95 Resp: 26320

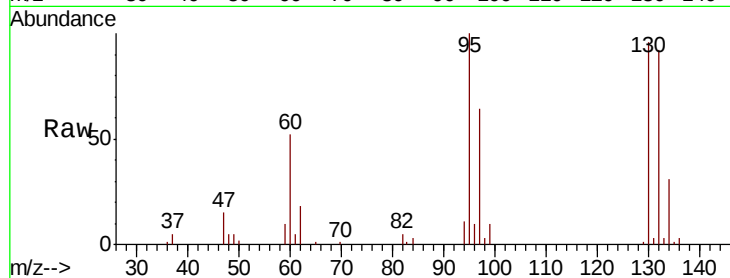
Ion Ratio Lower Upper

95 100

97 64.0 46.4 86.2

132 92.0 62.2 115.6

130 95.6 68.7 127.5

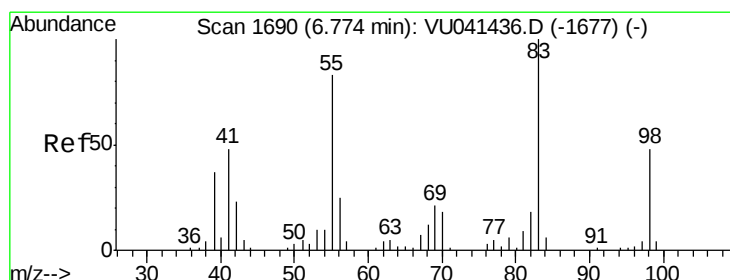
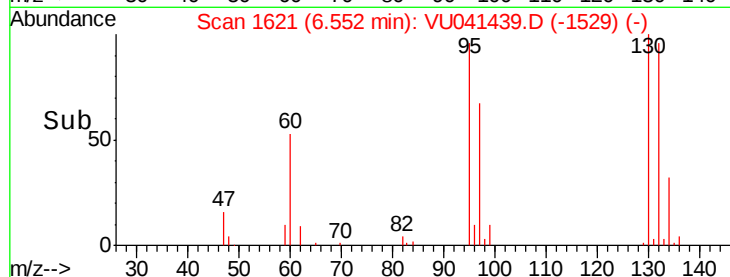
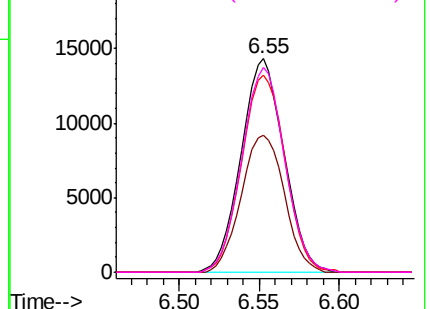


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 5.561 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VU041439.D

Acq: 30 Nov 2020 12:09

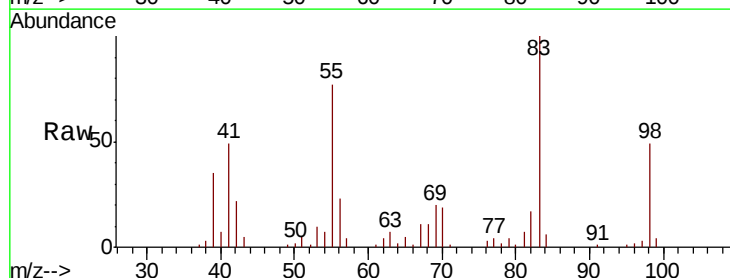
Tgt Ion: 83 Resp: 36154

Ion Ratio Lower Upper

83 100

55 77.2 67.0 100.6

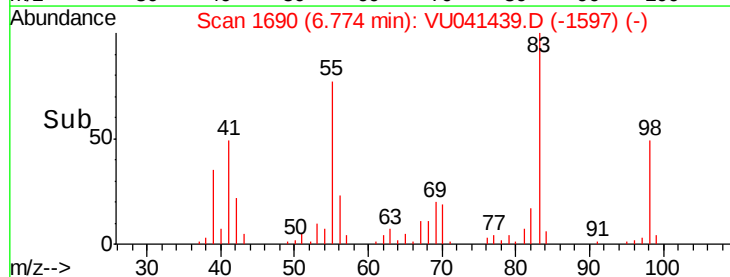
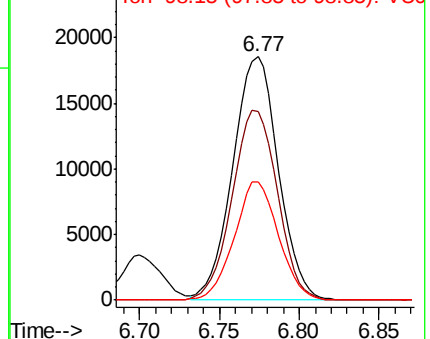
98 47.1 38.2 57.4

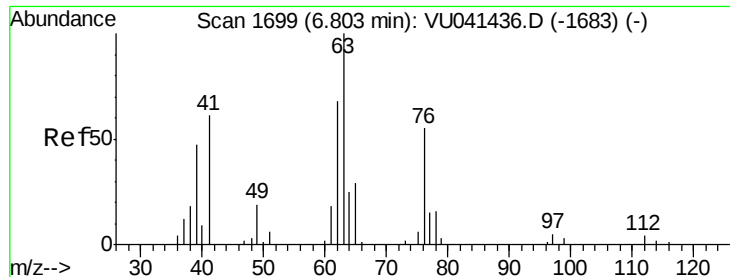


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

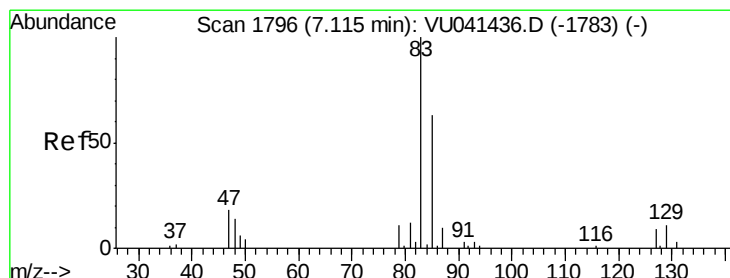
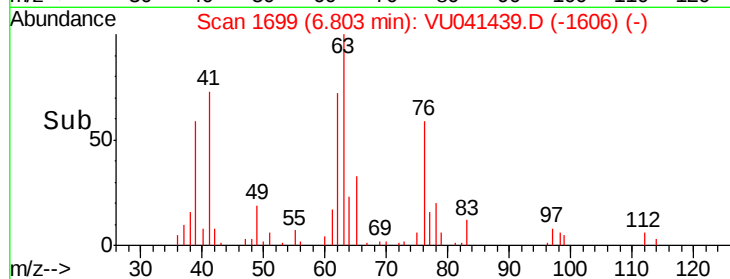
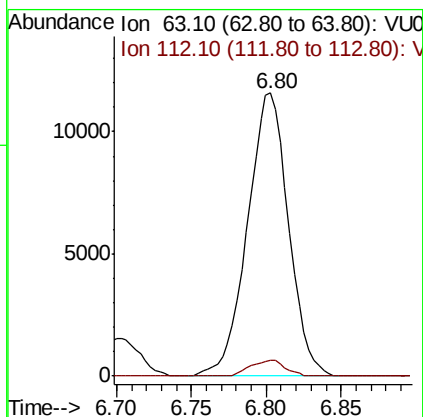
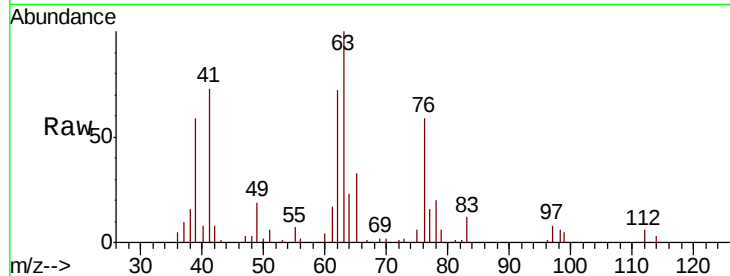




#37
 1,2-Dichloropropane
 Concen: 5.058 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU041439.D
 Acq: 30 Nov 2020 12:09

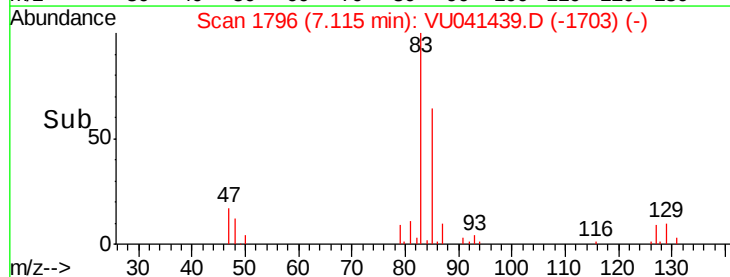
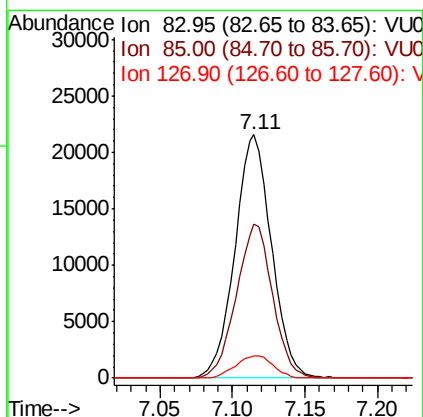
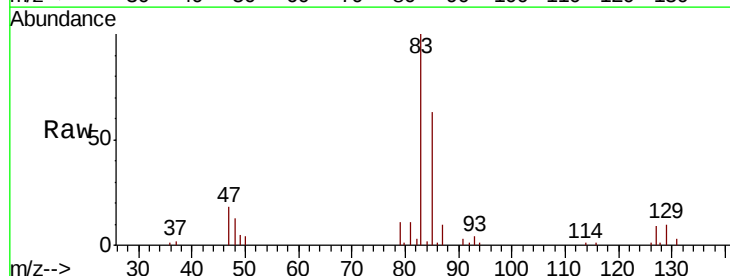
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV202

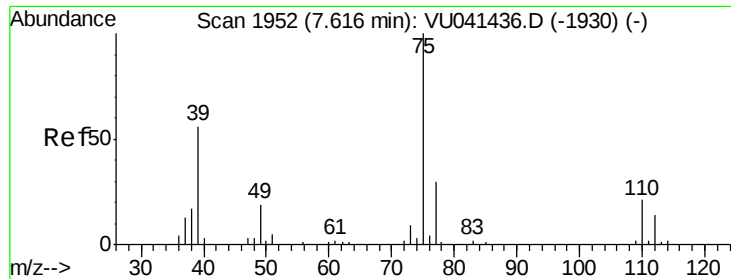
Tot Ion: 63 Resp: 22067
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.2 4.8#



#38
 Bromodichloromethane
 Concen: 5.450 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VU041439.D
 Acq: 30 Nov 2020 12:09

Tgt Ion: 83 Resp: 37735
 Ion Ratio Lower Upper
 83 100
 85 63.3 44.2 82.2
 127 9.1 7.0 10.6

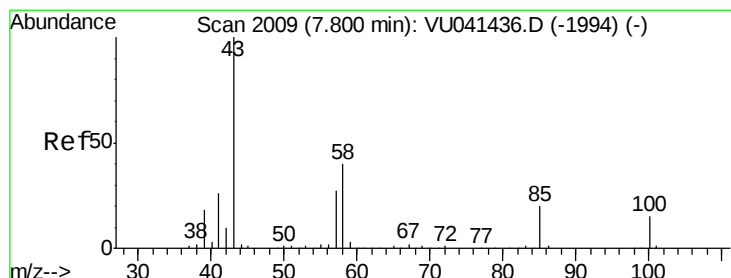
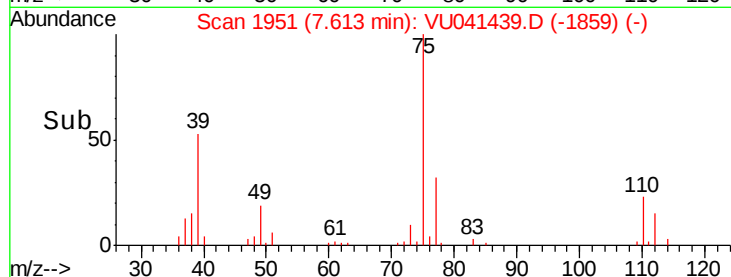
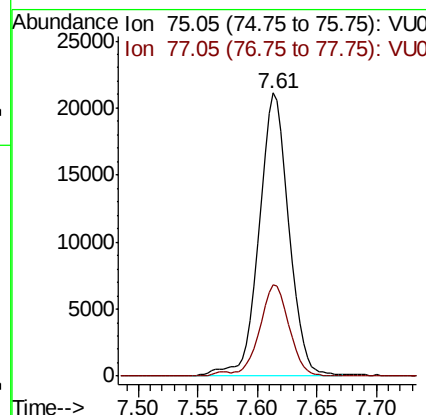
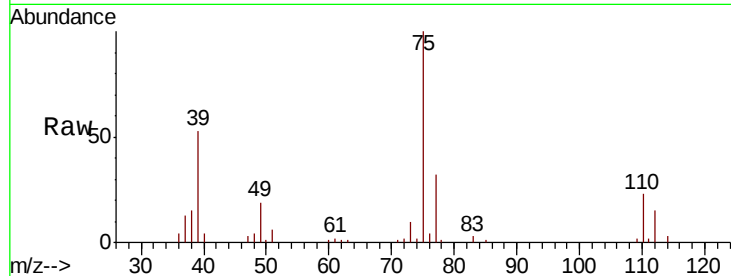




#39
 cis-1,3-Dichloropropene
 Concen: 5.356 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VU041439.D
 Acq: 30 Nov 2020 12:09

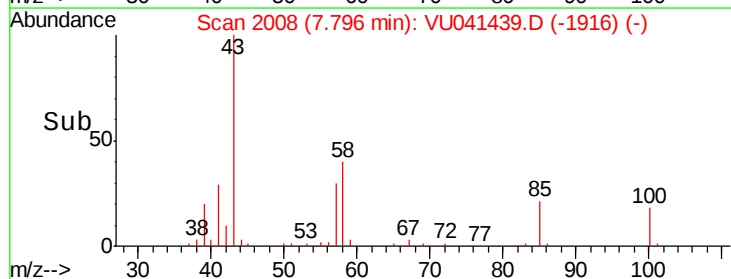
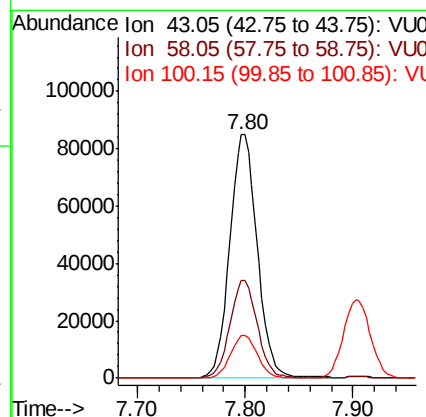
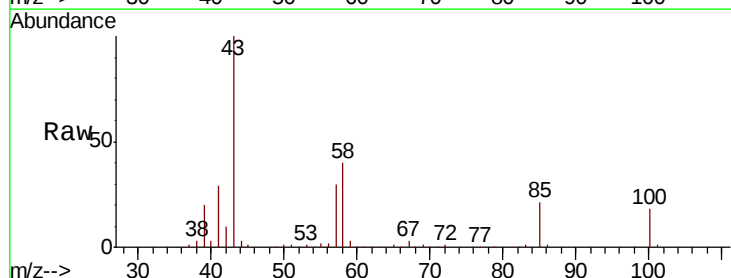
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV202

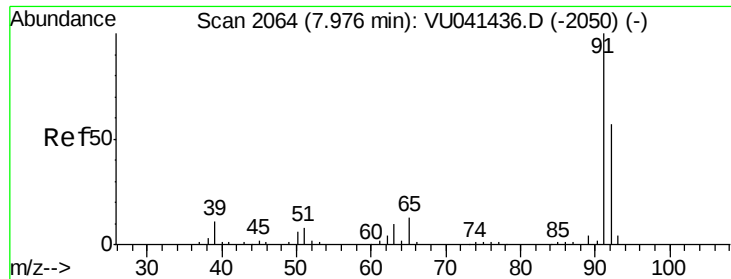
Tot Ion: 75 Resp: 36716
 Ion Ratio Lower Upper
 75 100
 77 32.2 21.0 39.0



#40
 4-Methyl-2-pentanone
 Concen: 47.365 ug/L
 RT: 7.80 min Scan# 2008
 Delta R.T. -0.00 min
 Lab File: VU041439.D
 Acq: 30 Nov 2020 12:09

Tgt Ion: 43 Resp: 151274
 Ion Ratio Lower Upper
 43 100
 58 39.7 30.5 45.7
 100 17.2 12.1 18.1





#42

Toluene

Concen: 5.444 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU041439.D

Acq: 30 Nov 2020 12:09

Instrument :

MSVOA_U

ClientSampleId :

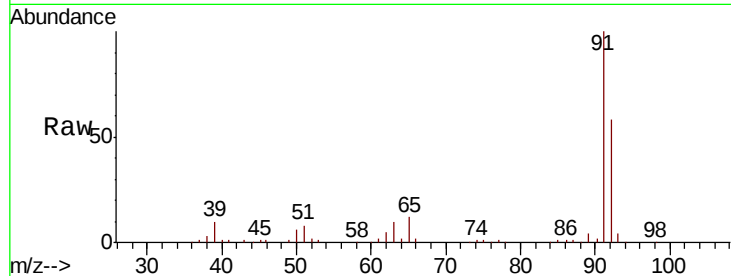
VICV202

Tot Ion: 91 Resp: 100701

Ion Ratio Lower Upper

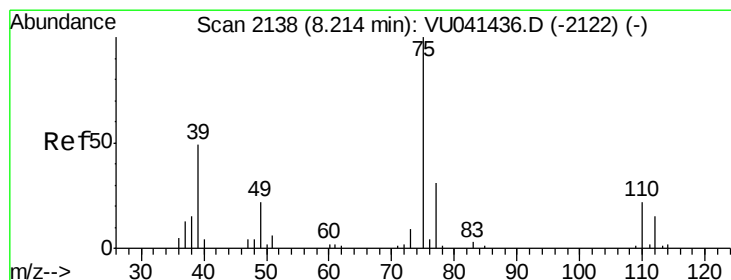
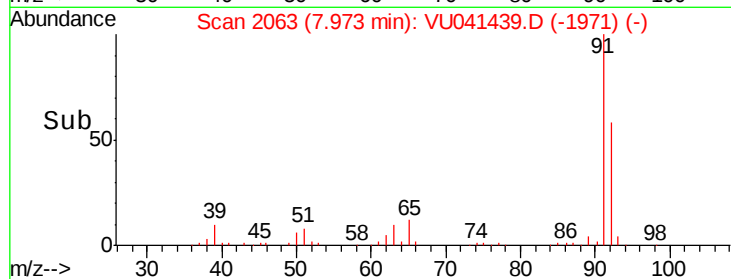
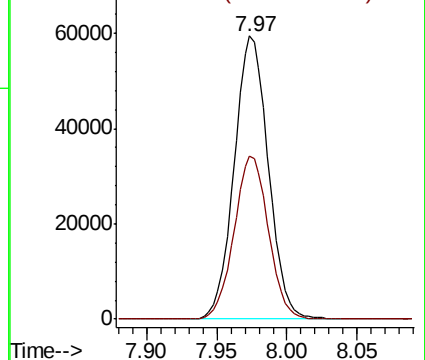
91 100

92 57.6 39.7 73.7



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 5.361 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU041439.D

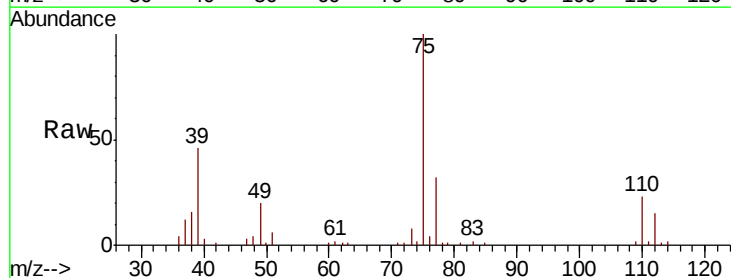
Acq: 30 Nov 2020 12:09

Tgt Ion: 75 Resp: 36180

Ion Ratio Lower Upper

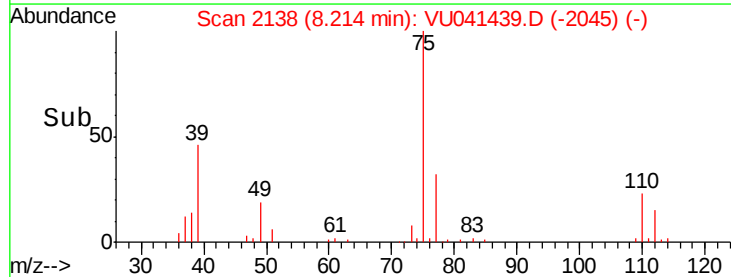
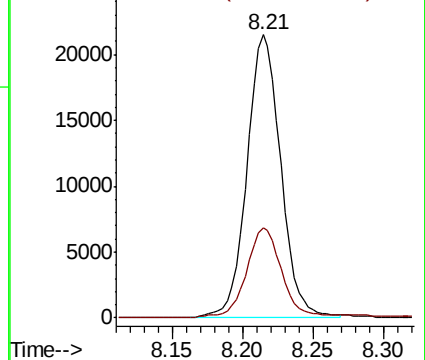
75 100

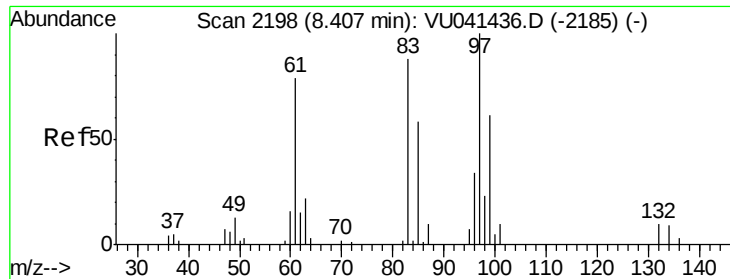
77 31.9 21.5 39.9



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

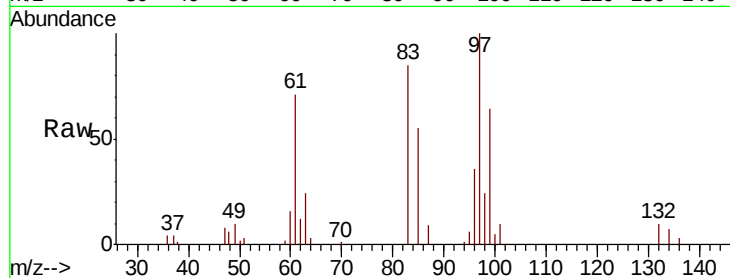




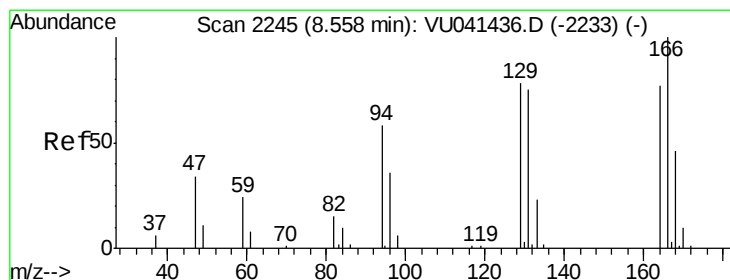
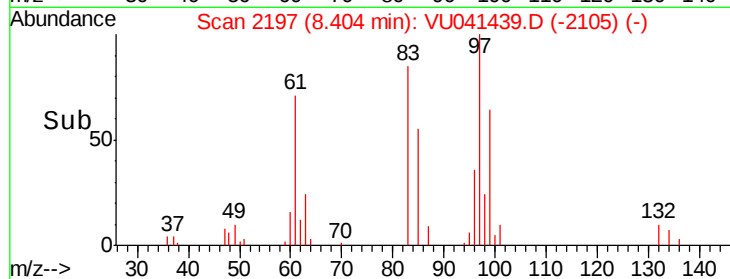
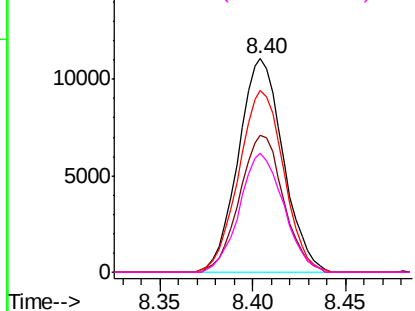
#45
1,1,2-Trichloroethane
Concen: 5.388 ug/L
RT: 8.40 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VU041439.D
Acq: 30 Nov 2020 12:09

Instrument :
MSVOA_U
ClientSampleId :
VICV202

Tot Ion:	97	Resp:	18615
Ion	Ratio	Lower	Upper
97	100		
99	64.3	42.8	79.4
83	85.3	61.9	114.9
85	55.5	40.7	75.7

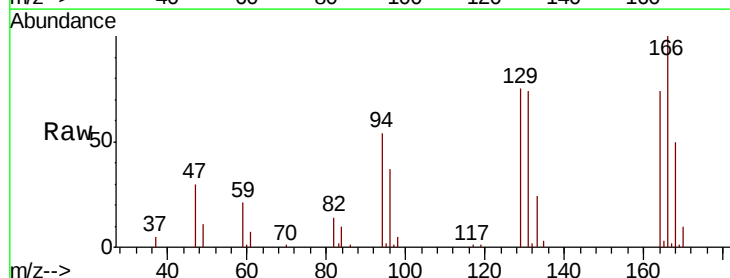


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 82.95 (82.65 to 83.65): VU0
Ion 85.00 (84.70 to 85.70): VU0

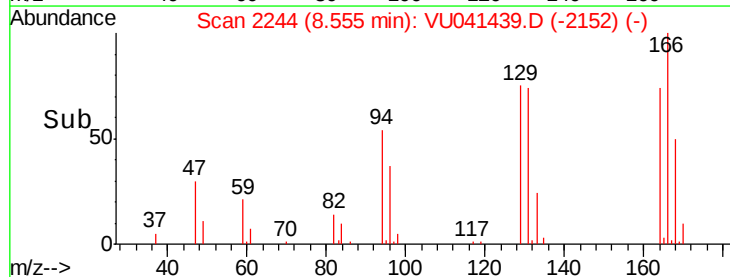
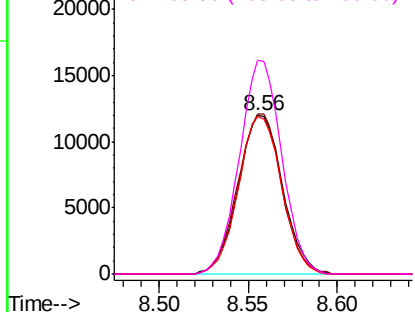


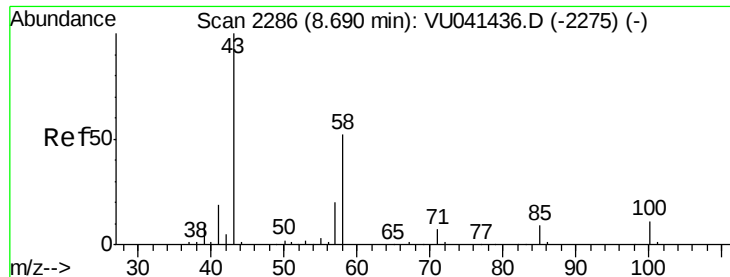
#47
Tetrachloroethene
Concen: 5.915 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VU041439.D
Acq: 30 Nov 2020 12:09

Tgt Ion:	164	Resp:	20816
Ion	Ratio	Lower	Upper
164	100		
129	100.9	71.3	132.5
131	99.2	68.3	126.8
166	134.6	91.0	169.0



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

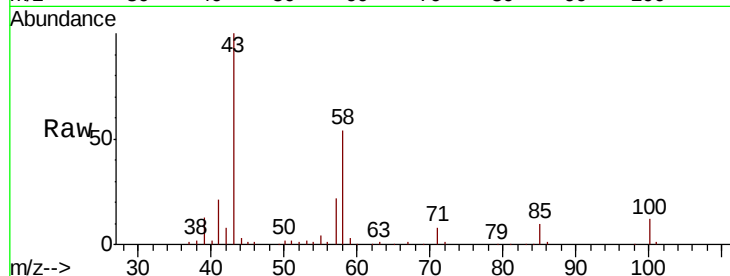




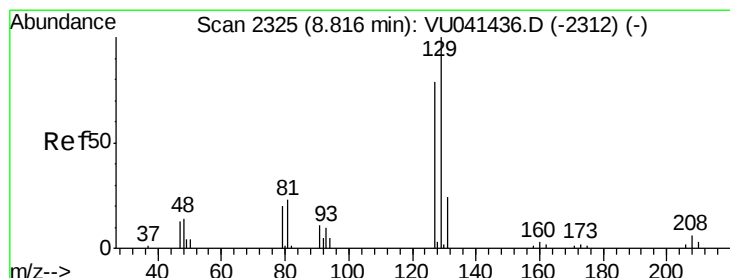
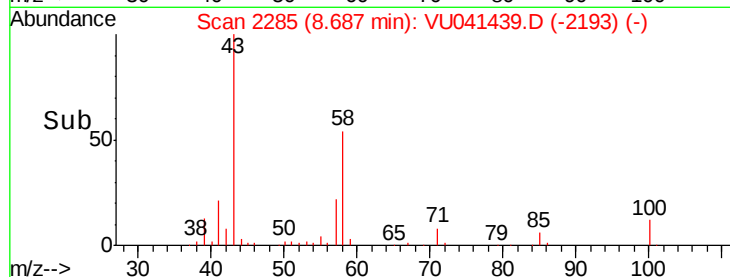
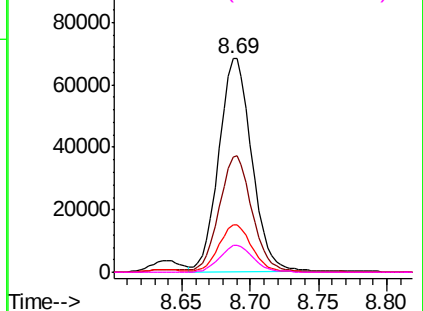
#48
2-Hexanone
Concen: 46.984 ug/L
RT: 8.69 min Scan# 2285
Delta R.T. -0.00 min
Lab File: VU041439.D
Acq: 30 Nov 2020 12:09

Instrument :
MSVOA_U
ClientSampleId :
VICV202

Tot Ion: 43 Resp: 114853
Ion Ratio Lower Upper
43 100
58 53.8 42.0 63.0
57 22.1 16.0 24.0
100 12.7 8.9 13.3

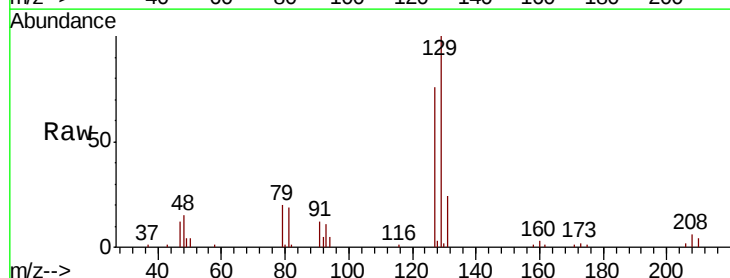


Abundance Ion 43.05 (42.75 to 43.75): VU041439.D (-2193) (-)
Ion 58.05 (57.75 to 58.75): VU041439.D (-2193) (-)
Ion 57.20 (56.90 to 57.90): VU041439.D (-2193) (-)
Ion 100.15 (99.85 to 100.85): VU041439.D (-2193) (-)

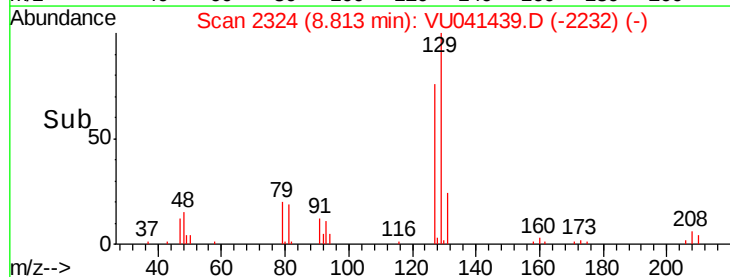
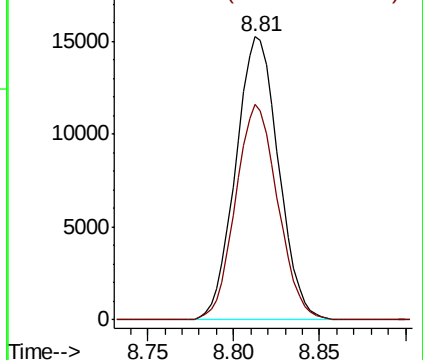


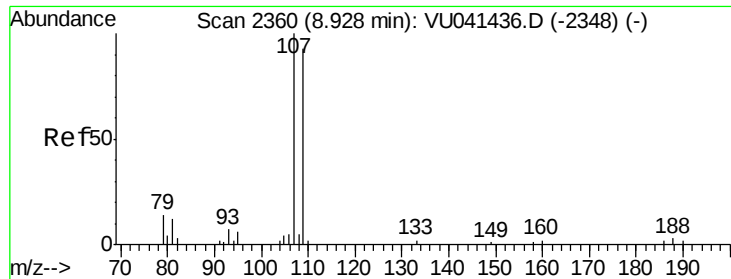
#49
Dibromochloromethane
Concen: 5.582 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU041439.D
Acq: 30 Nov 2020 12:09

Tgt Ion: 129 Resp: 26342
Ion Ratio Lower Upper
129 100
127 76.0 55.4 102.8



Abundance Ion 128.95 (128.65 to 129.65): VU041439.D (-2232) (-)
Ion 126.90 (126.60 to 127.60): VU041439.D (-2232) (-)

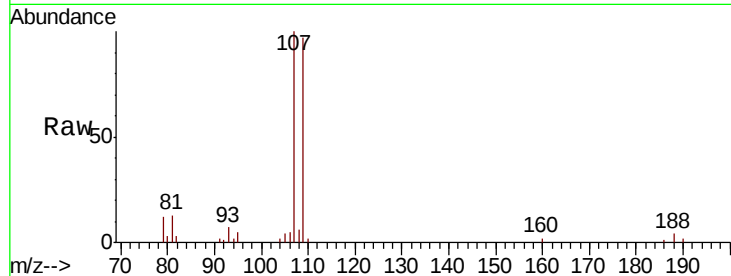




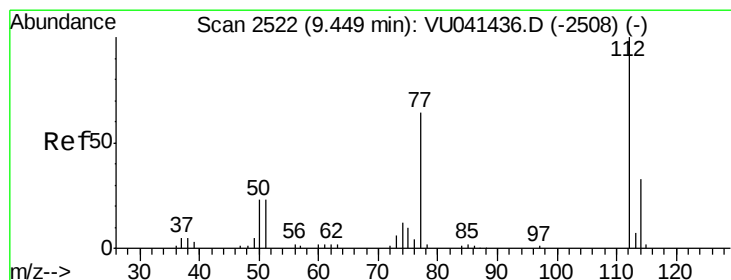
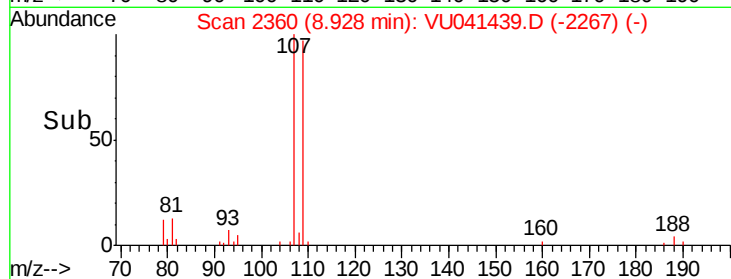
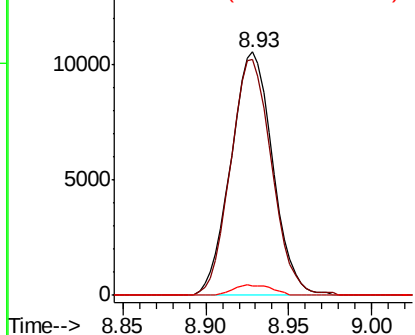
#50
 1,2-Dibromoethane
 Concen: 5.490 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU041439.D
 Acq: 30 Nov 2020 12:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV202

Tot Ion	Ratio	Lower	Upper
107	100		
109	97.2	65.2	121.2
188	4.1	2.7	4.1

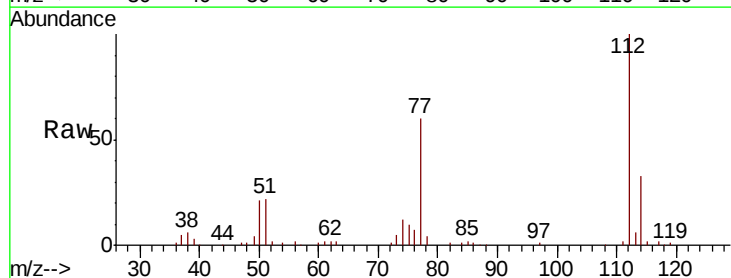


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

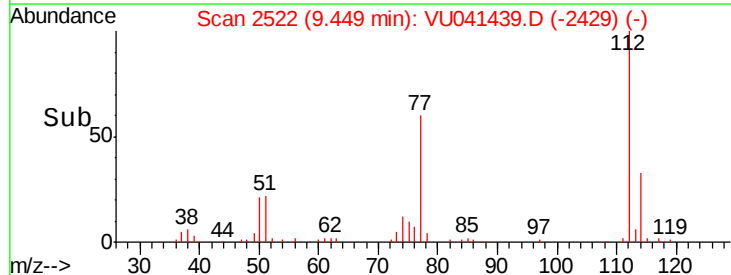
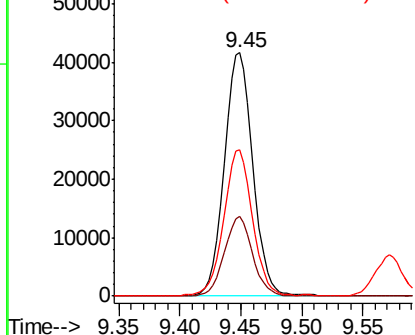


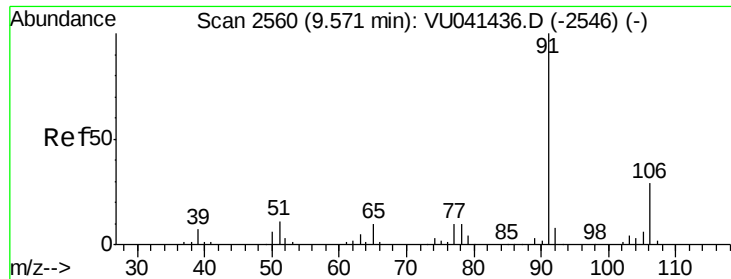
#51
 Chlorobenzene
 Concen: 5.683 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU041439.D
 Acq: 30 Nov 2020 12:09

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.7	23.0	42.8
77	59.9	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): V





#52

Ethylbenzene

Concen: 5.541 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU041439.D

Acq: 30 Nov 2020 12:09

Instrument :

MSVOA_U

ClientSampleId :

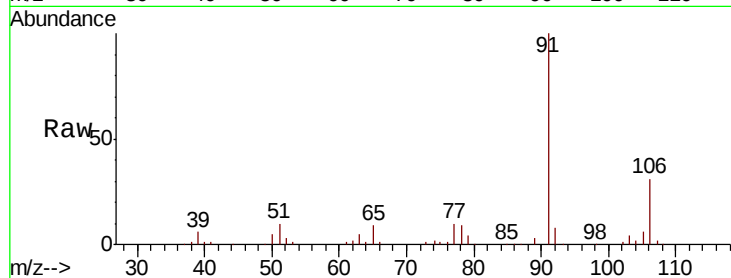
VICV202

Tot Ion: 91 Resp: 115932

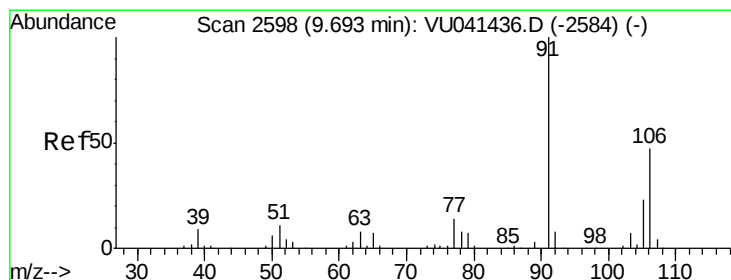
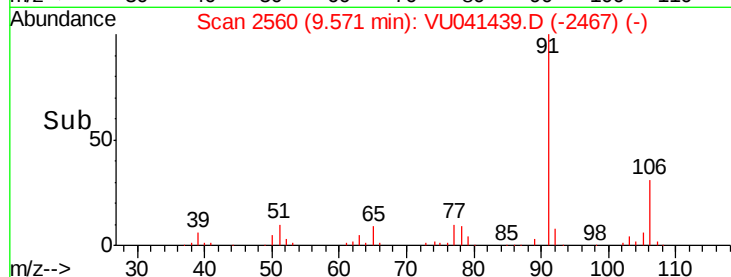
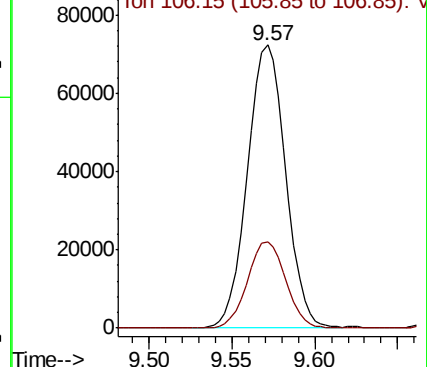
Ion Ratio Lower Upper

91 100

106 30.5 20.0 37.2



Abundance Ion 91.15 (90.85 to 91.85): VU041439.D (-2546) (-)



#53

m,p-Xylene

Concen: 5.636 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU041439.D

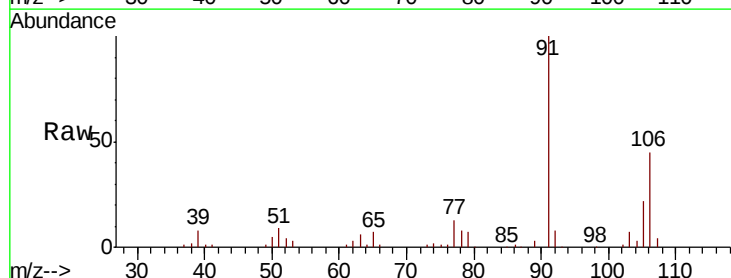
Acq: 30 Nov 2020 12:09

Tgt Ion: 106 Resp: 42531

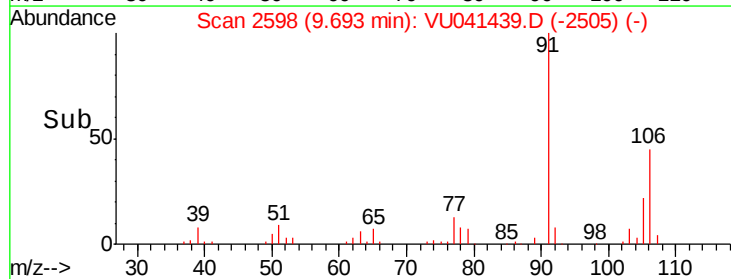
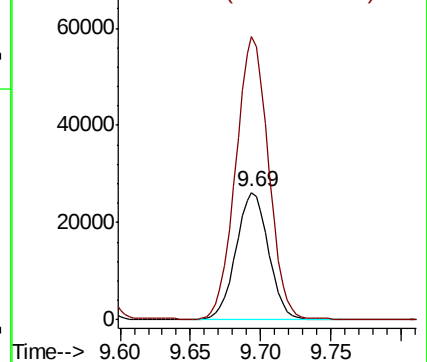
Ion Ratio Lower Upper

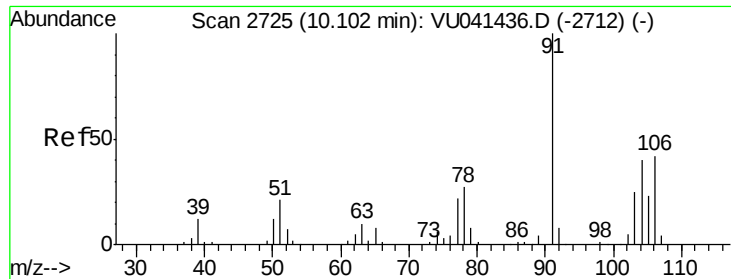
106 100

91 222.5 148.6 276.0



Abundance Ion 106.15 (105.85 to 106.85): VU041439.D (-2598) (-)

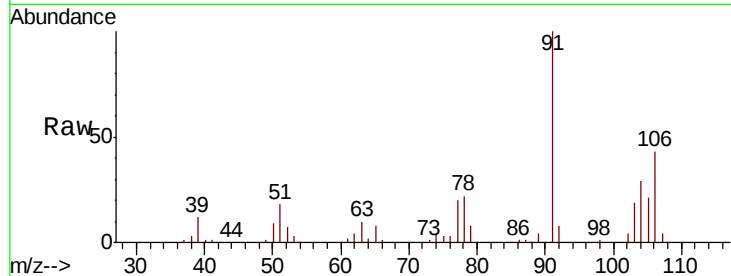




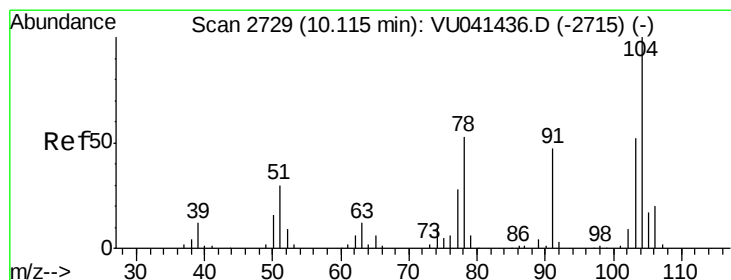
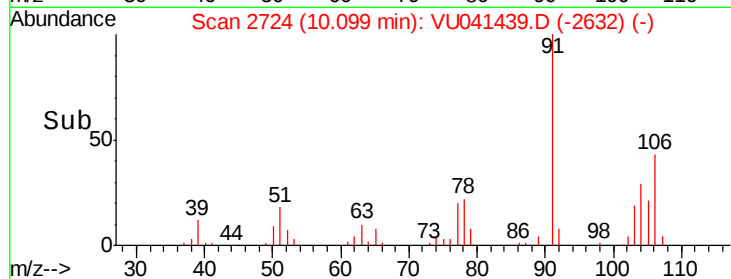
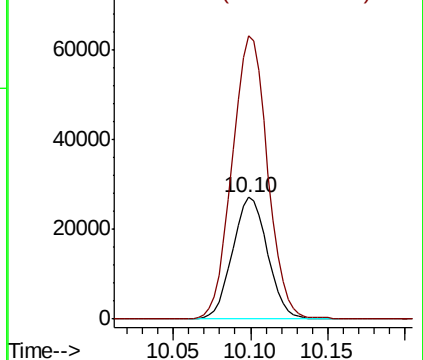
#54
o-Xylene
Concen: 5.866 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU041439.D
Acq: 30 Nov 2020 12:09

Instrument :
MSVOA_U
ClientSampleId :
VICV202

Tot Ion:106 Resp: 42756
Ion Ratio Lower Upper
106 100
91 232.5 166.9 310.0

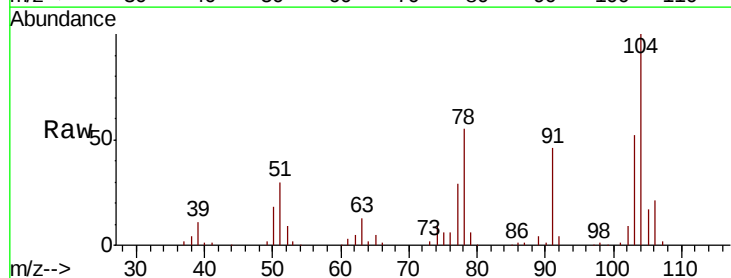


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

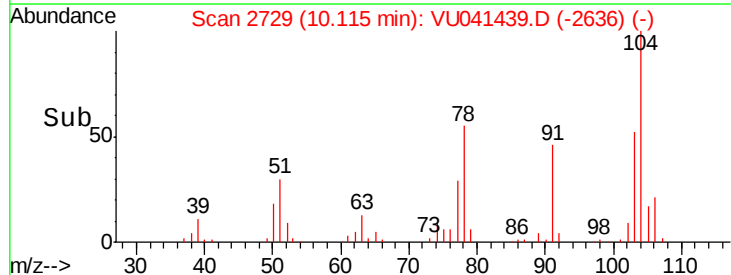
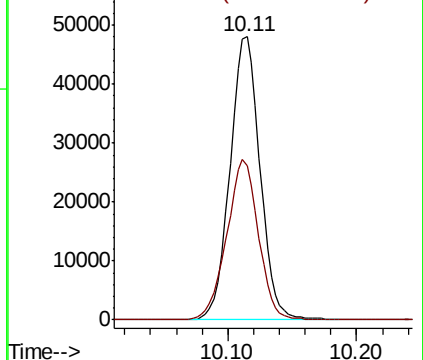


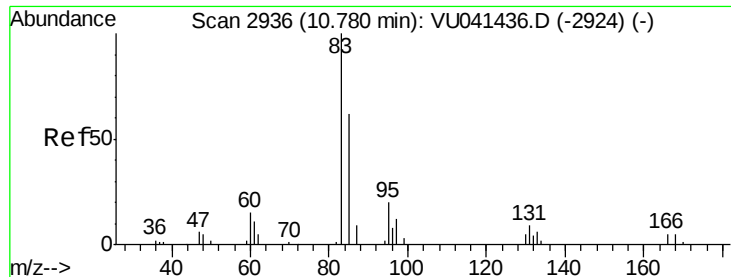
#55
Styrene
Concen: 6.040 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU041439.D
Acq: 30 Nov 2020 12:09

Tgt Ion:104 Resp: 77512
Ion Ratio Lower Upper
104 100
78 54.6 37.5 69.7



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

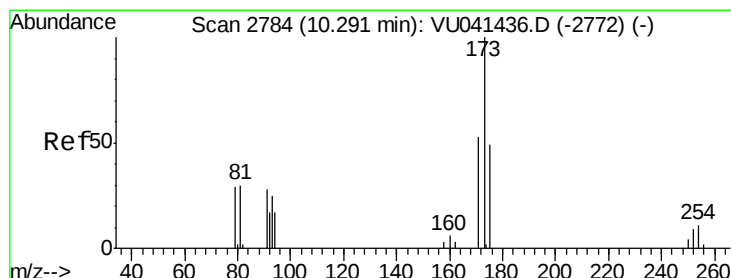
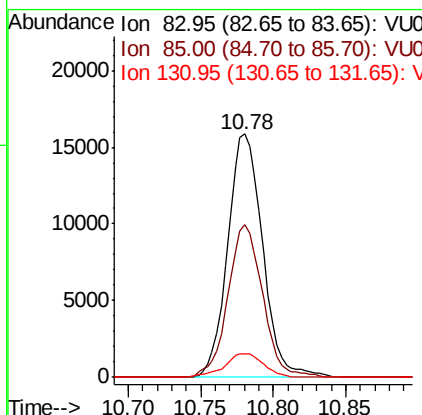
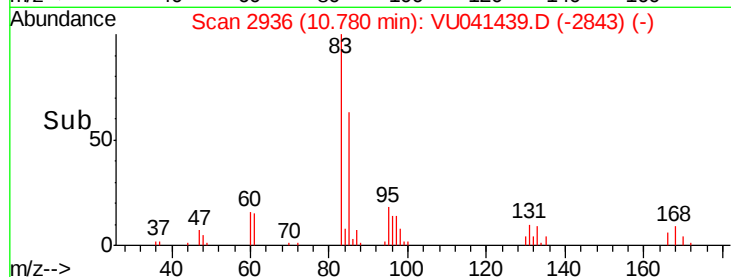
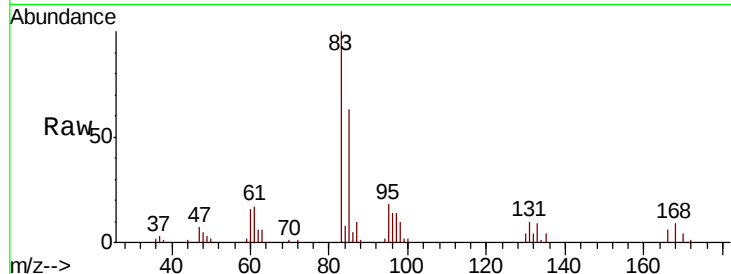




#57
 1,1,2,2-Tetrachloroethane
 Concen: 5.793 ug/L
 RT: 10.78 min Scan# 2936
 Delta R.T. 0.00 min
 Lab File: VU041439.D
 Acq: 30 Nov 2020 12:09

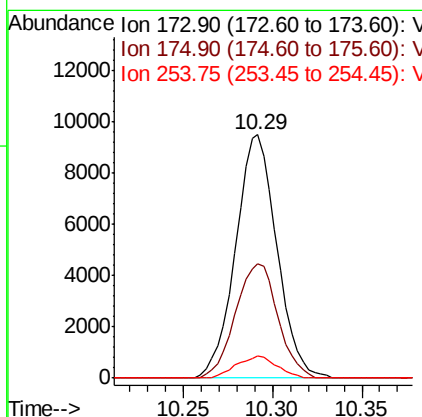
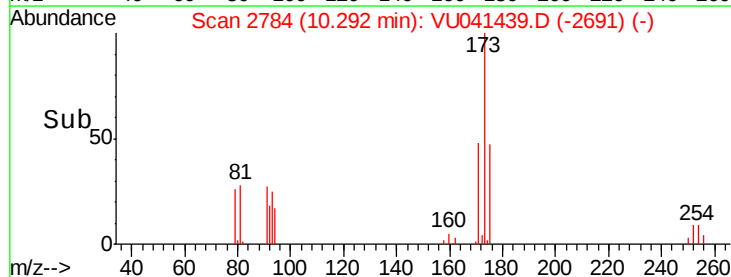
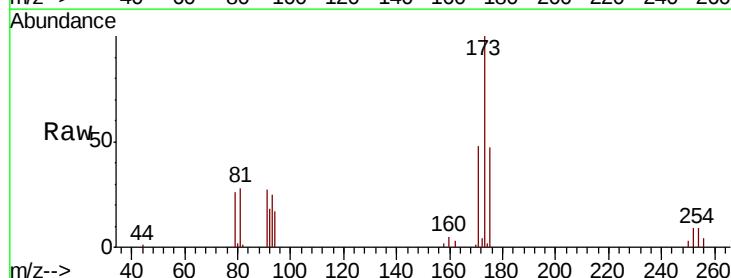
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV202

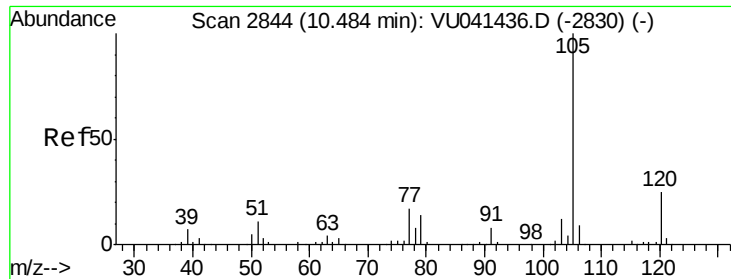
Tot Ion: 83 Resp: 26534
 Ion Ratio Lower Upper
 83 100
 85 62.8 43.5 80.7
 131 9.8 7.6 11.4



#59
 Bromoform
 Concen: 5.377 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: VU041439.D
 Acq: 30 Nov 2020 12:09

Tgt Ion: 173 Resp: 15296
 Ion Ratio Lower Upper
 173 100
 175 48.2 36.9 55.3
 254 8.8 7.4 11.0





#60

Isopropylbenzene

Concen: 5.739 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU041439.D

Acq: 30 Nov 2020 12:09

Instrument :

MSVOA_U

ClientSampleId :

VICV202

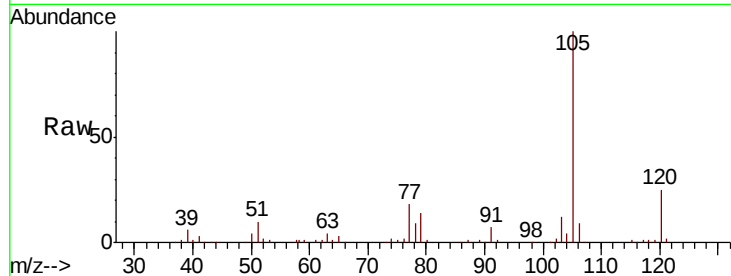
Tot Ion:105 Resp: 123603

Ion Ratio Lower Upper

105 100

120 25.1 20.3 30.5

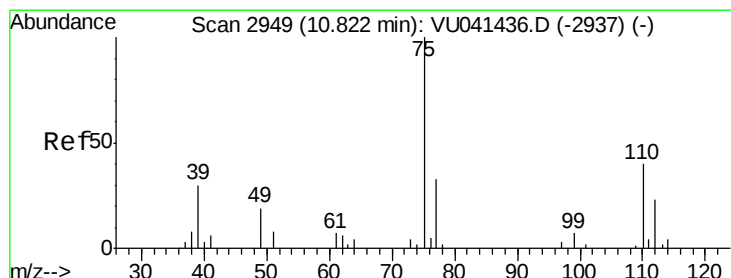
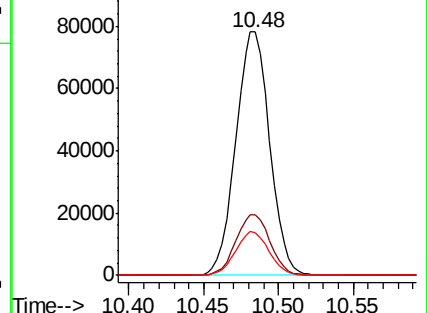
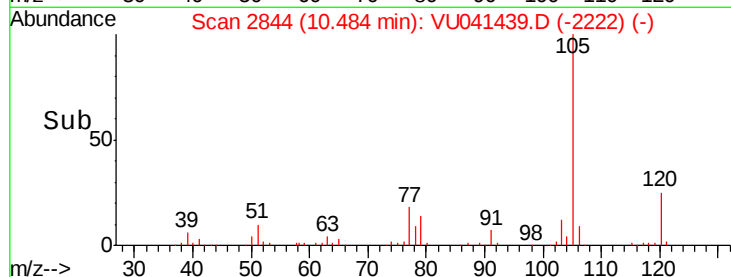
77 17.7 13.9 20.9



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: 5.309 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU041439.D

Acq: 30 Nov 2020 12:09

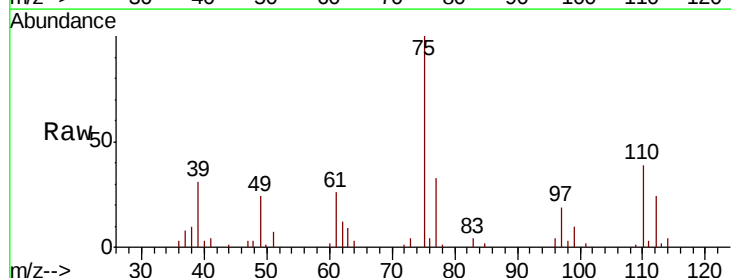
Tgt Ion: 75 Resp: 19881

Ion Ratio Lower Upper

75 100

110 38.2 33.0 49.4

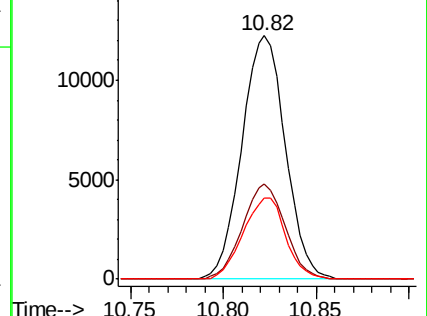
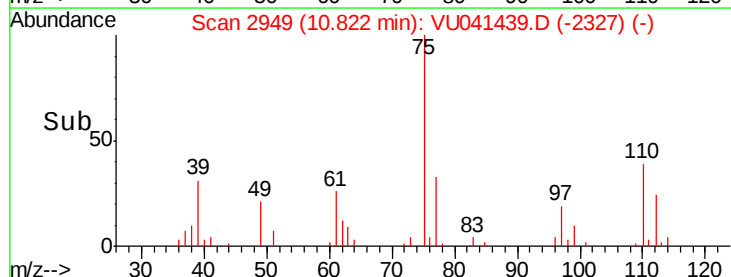
77 32.7 27.4 41.0

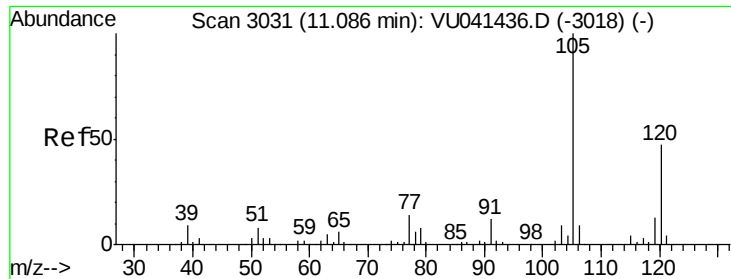


Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VU

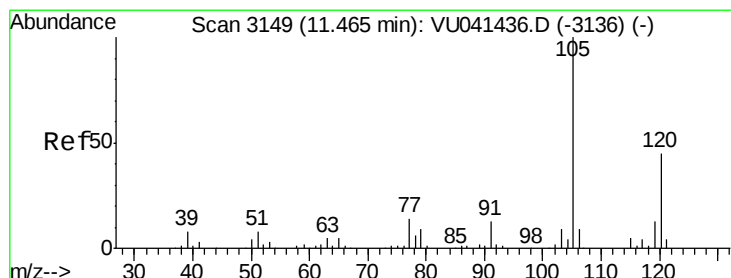
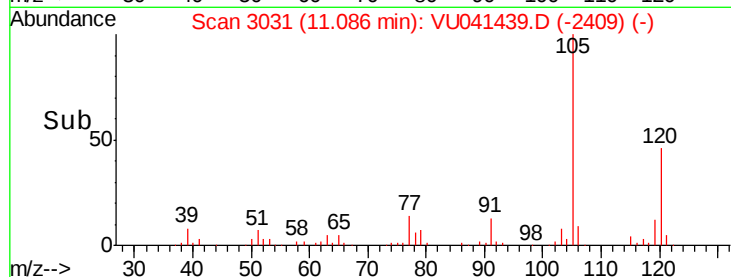
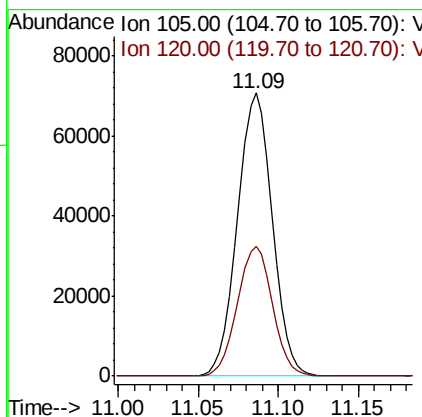
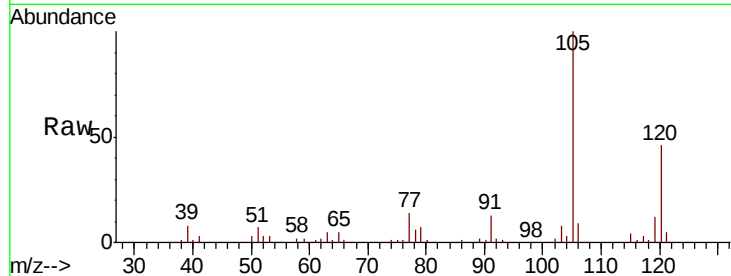




#62
 1,3,5-Trimethylbenzene
 Concen: 5.692 ug/L
 RT: 11.09 min Scan# 3031
 Delta R.T. 0.00 min
 Lab File: VU041439.D
 Acq: 30 Nov 2020 12:09

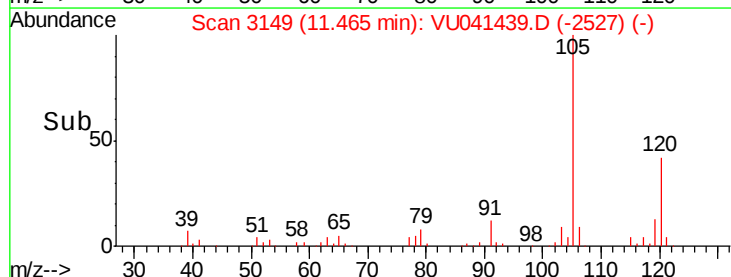
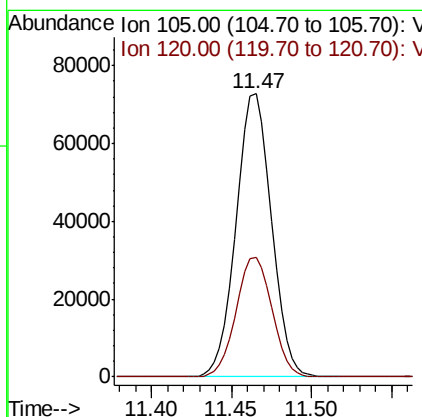
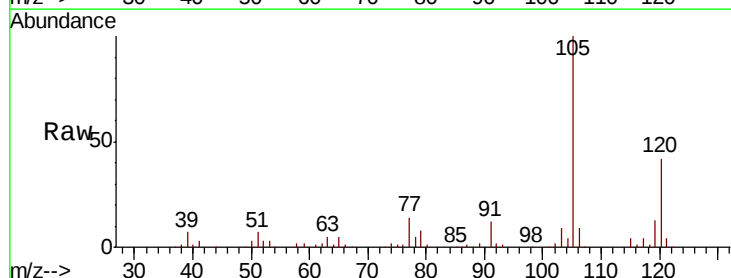
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV202

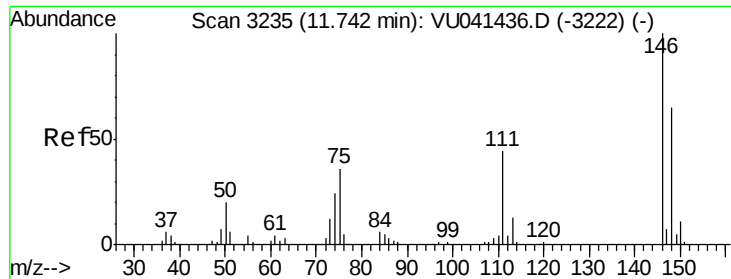
Tot Ion:105 Resp: 104906
 Ion Ratio Lower Upper
 105 100
 120 46.2 36.6 54.8



#63
 1,2,4-Trimethylbenzene
 Concen: 5.839 ug/L
 RT: 11.47 min Scan# 3149
 Delta R.T. 0.00 min
 Lab File: VU041439.D
 Acq: 30 Nov 2020 12:09

Tgt Ion:105 Resp: 109239
 Ion Ratio Lower Upper
 105 100
 120 42.9 35.4 53.2

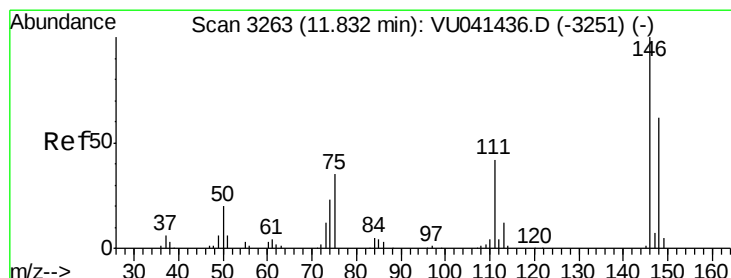
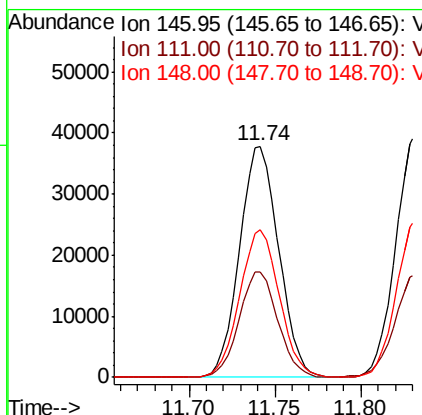
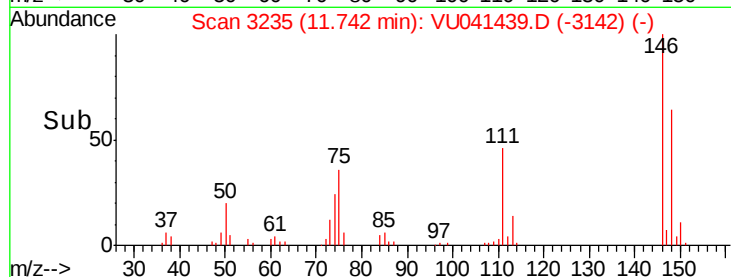
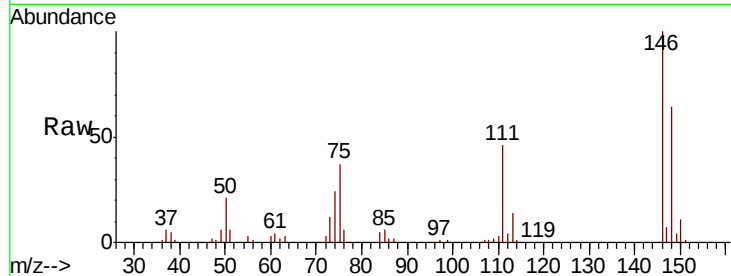




#64
 1,3-Dichlorobenzene
 Concen: 5.600 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU041439.D
 Acq: 30 Nov 2020 12:09

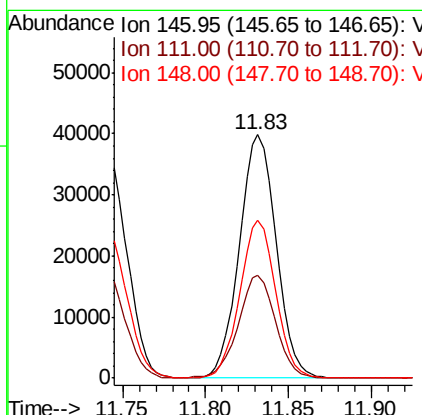
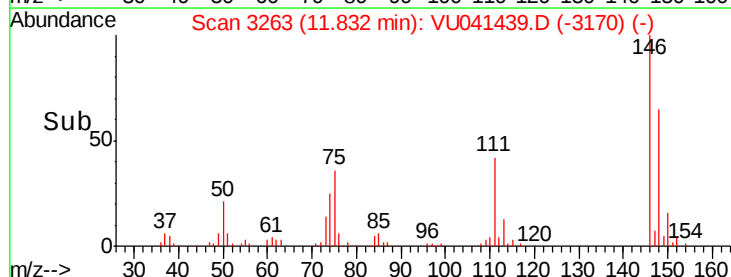
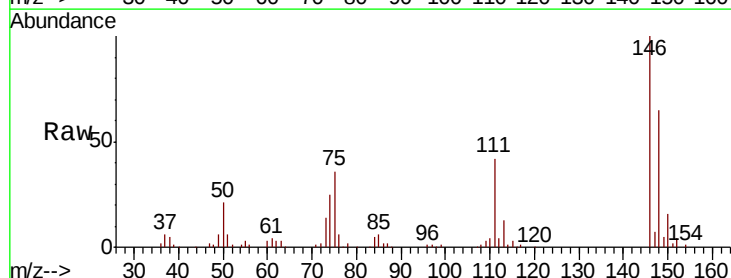
Instrument :
 MSVOA_U
 ClientSampled :
 VICV202

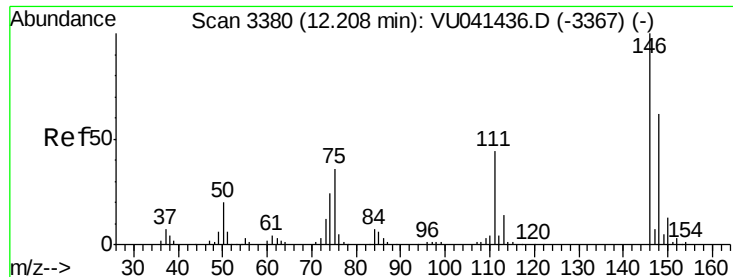
Tot Ion:146 Resp: 60060
 Ion Ratio Lower Upper
 146 100
 111 45.7 30.9 57.3
 148 63.9 45.8 85.0



#65
 1,4-Dichlorobenzene
 Concen: 5.686 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU041439.D
 Acq: 30 Nov 2020 12:09

Tgt Ion:146 Resp: 61793
 Ion Ratio Lower Upper
 146 100
 111 42.5 29.4 54.6
 148 65.0 43.7 81.1





#67

1,2-Dichlorobenzene

Concen: 5.408 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU041439.D

Acq: 30 Nov 2020 12:09

Instrument :

MSVOA_U

ClientSampleId :

VICV202

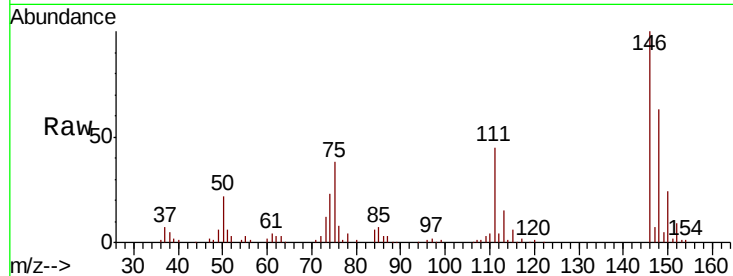
Tot Ion:146 Resp: 56726

Ion Ratio Lower Upper

146 100

111 44.7 35.3 52.9

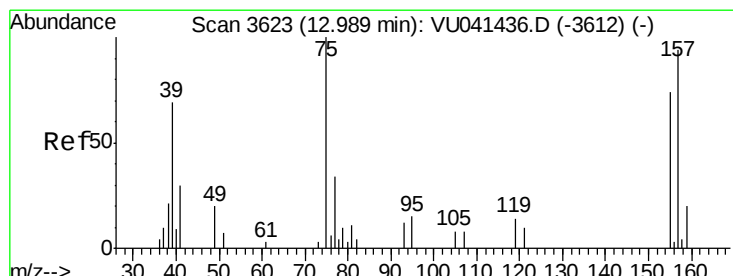
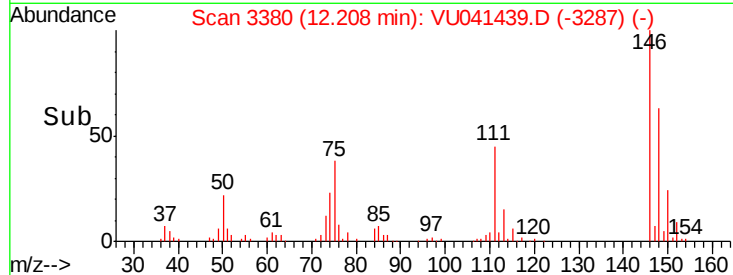
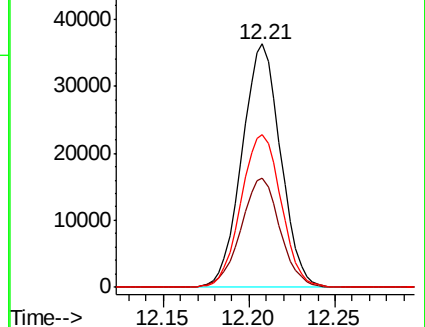
148 62.8 49.6 74.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#68

1,2-Dibromo-3-chloropropane

Concen: 5.271 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. 0.00 min

Lab File: VU041439.D

Acq: 30 Nov 2020 12:09

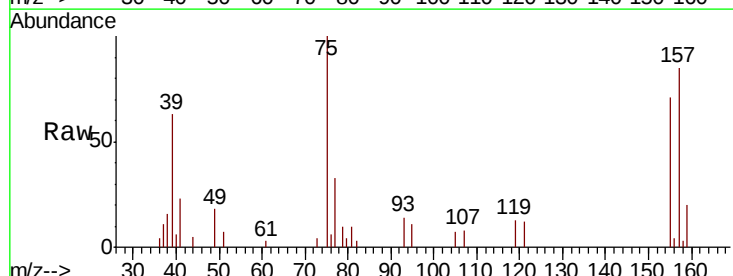
Tgt Ion: 75 Resp: 5395

Ion Ratio Lower Upper

75 100

155 70.8 59.3 88.9

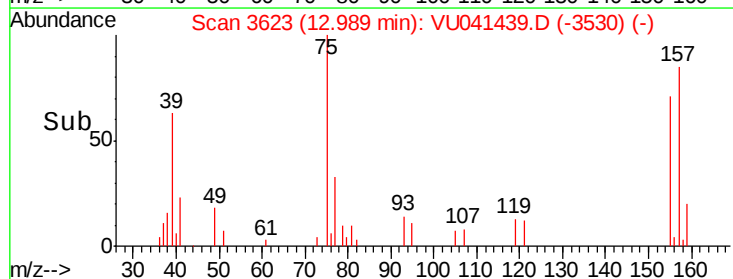
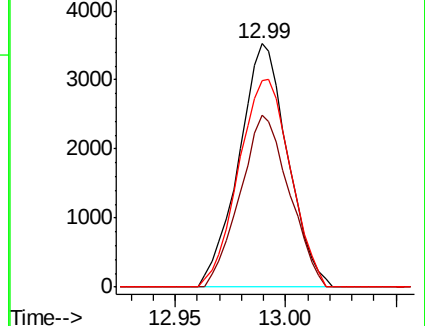
157 84.9 75.1 112.7

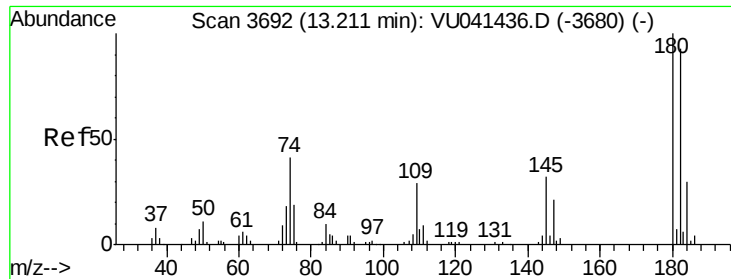


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

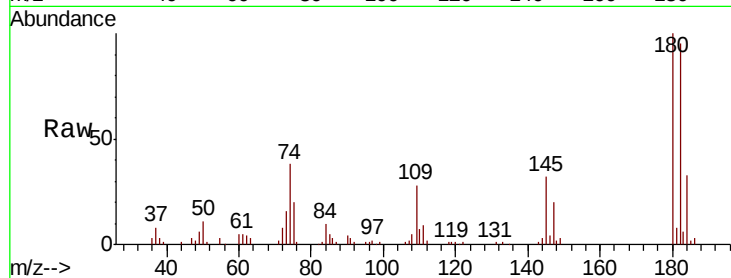




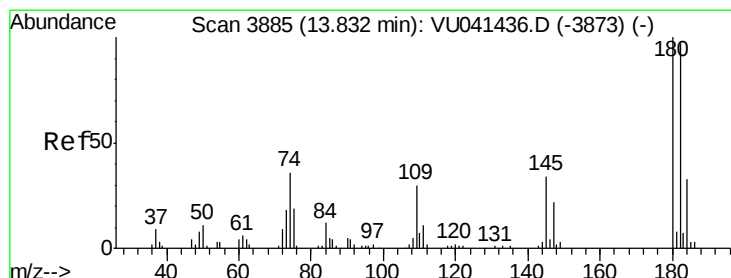
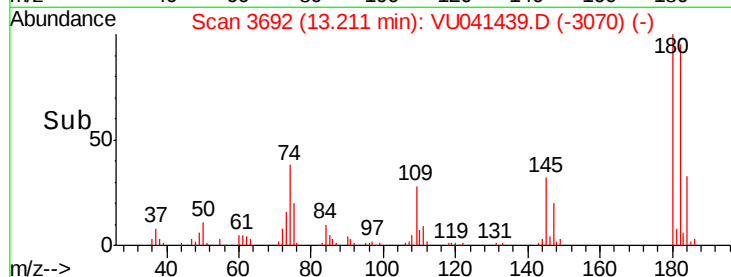
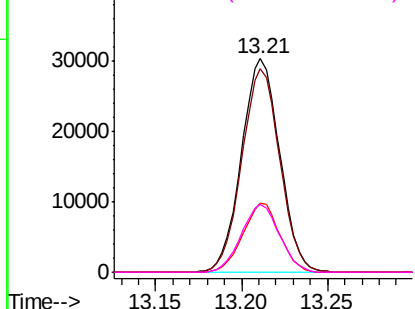
#69
 1,3,5-Trichlorobenzene
 Concen: 5.736 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU041439.D
 Acq: 30 Nov 2020 12:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV202

Tot Ion:180 Resp: 46698
 Ion Ratio Lower Upper
 180 100
 182 94.5 76.2 114.2
 184 31.2 24.1 36.1
 145 31.6 26.1 39.1

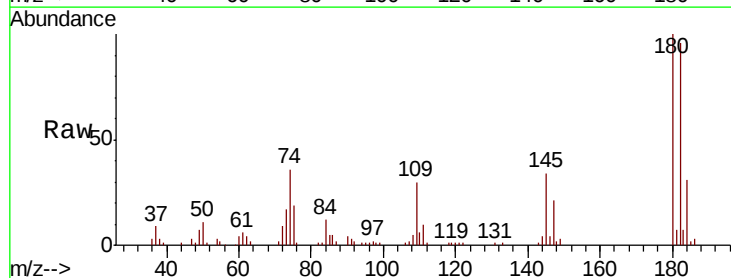


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

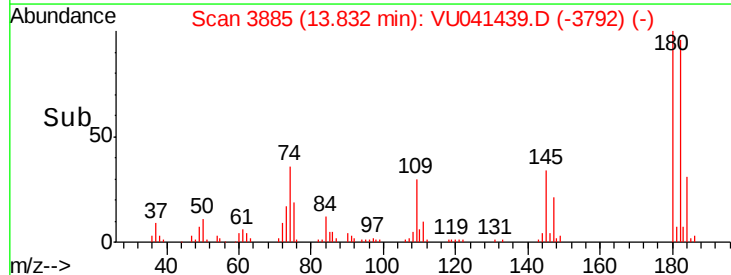
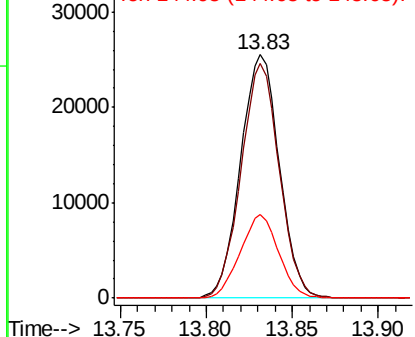


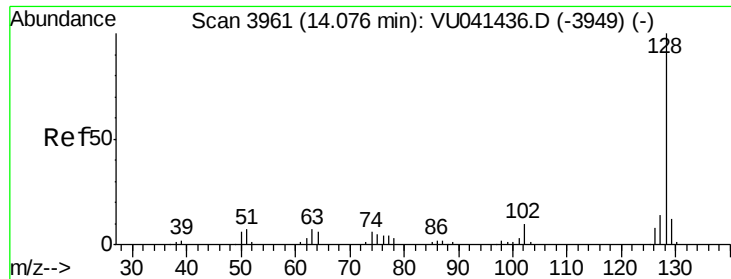
#70
 1,2,4-trichlorobenzene
 Concen: 5.897 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU041439.D
 Acq: 30 Nov 2020 12:09

Tgt Ion:180 Resp: 39953
 Ion Ratio Lower Upper
 180 100
 182 94.8 78.4 117.6
 145 34.0 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

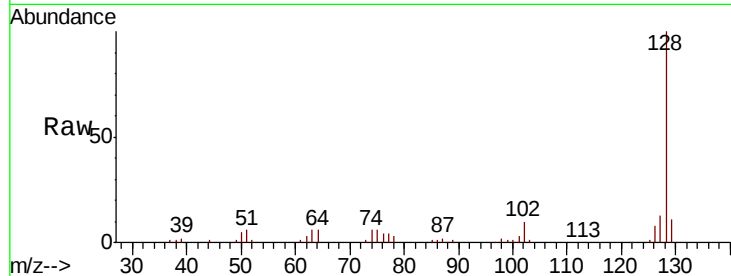




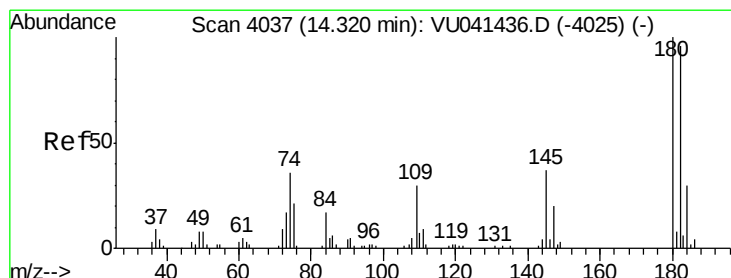
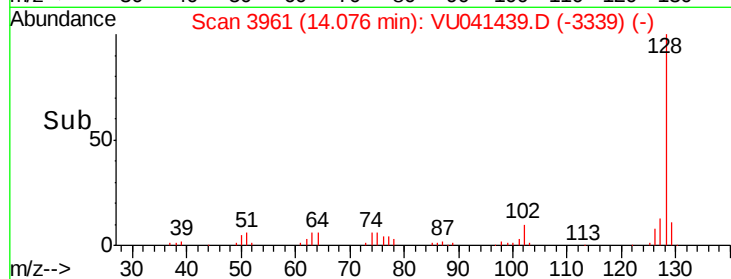
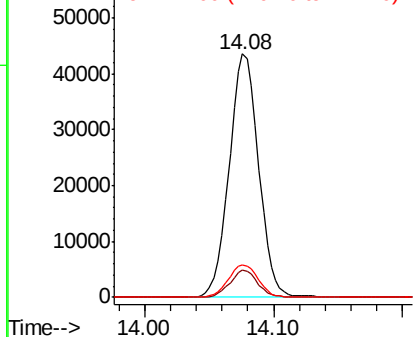
#71
Naphthalene
Concen: 6.158 ug/L
RT: 14.08 min Scan# 3961
Delta R.T. 0.00 min
Lab File: VU041439.D
Acq: 30 Nov 2020 12:09

Instrument :
MSVOA_U
ClientSampleId :
VICV202

Tot Ion:128 Resp: 69021
Ion Ratio Lower Upper
128 100
129 10.6 9.4 14.0
127 13.7 10.8 16.2

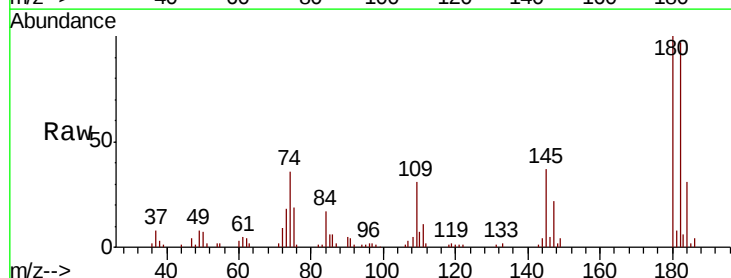


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#72
1,2,3-Trichlorobenzene
Concen: 5.832 ug/L
RT: 14.32 min Scan# 4037
Delta R.T. 0.00 min
Lab File: VU041439.D
Acq: 30 Nov 2020 12:09

Tgt Ion:180 Resp: 35440
Ion Ratio Lower Upper
180 100
182 98.6 77.6 116.4
145 37.2 28.6 43.0



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

