

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090920\
 Data File : VU040058.D
 Acq On : 09 Sep 2020 10:31
 Operator : SY/MD
 Sample : VSTDIC0.5
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Quant Time: Sep 10 03:46:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U090920DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Sep 10 03:43:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.12	96	27460	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.63	95	11736	1.08	ug/l	0.00
Spiked Amount 1.000			Recovery	=	108.00%	
68) 1,2-Dichlorobenzene-d4	12.19	152	10098	0.97	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.00%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	3836	0.415 ug/l	84
3) Chloromethane	1.53	50	4440	0.393 ug/l	97
4) Vinyl Chloride	1.61	62	4337	0.414 ug/l	97
5) Bromomethane	1.86	94	3979	0.552 ug/l	92
6) Chloroethane	1.94	64	3141	0.435 ug/l	92
7) Trichlorofluoromethane	2.15	101	6599	0.467 ug/l	95
8) 1,1,2-Trichloro-1,2,2-trif	2.59	101	3995	0.493 ug/l	95
9) 1,1-Dichloroethene	2.59	96	3161	0.429 ug/l	92
11) Allyl Chloride	2.94	41	6795	0.433 ug/l	96
12) Acrylonitrile	3.33	53	2335	0.902 ug/l	90
13) Acetone	2.64	43	5181	2.123 ug/l	100
14) Carbon Disulfide	2.81	76	9423	0.360 ug/l	97
15) Methylene Chloride	3.06	84	6781	0.655 ug/l	89
16) trans-1,2-Dichloroethene	3.37	96	3229	0.386 ug/l	95
17) 1,1-Dichloroethane	3.89	63	8091	0.444 ug/l	97
18) 2-Butanone	4.74	43	7755	1.921 ug/l	98
19) Cyclohexane	5.40	56	6469	0.371 ug/l	95
20) Methylcyclohexane	6.77	83	5702	0.432 ug/l #	88
21) 2,2-Dichloropropane	4.68	77	8431	0.556 ug/l	92
22) cis-1,2-Dichloroethene	4.68	96	4269	0.471 ug/l	94
23) Diethyl Ether	2.38	59	3073	0.412 ug/l	92
24) tert-Butyl Alcohol	3.21	59	4720	3.479 ug/l #	86
25) Methyl tert-Butyl Ether	3.38	73	10963	0.455 ug/l	91
26) Bromochloromethane	5.00	128	1733	0.462 ug/l	90
27) Chloroform	5.11	83	8362	0.483 ug/l	87
28) 1,1,1-Trichloroethane	5.33	97	6605	0.467 ug/l	97
29) 1,1-Dichloropropene	5.54	75	6059	0.452 ug/l	95
30) Carbon Tetrachloride	5.53	117	5956	0.506 ug/l	94
31) Isopropyl Ether	4.02	45	13086	0.395 ug/l	94
32) Ethyl-t-butyl ether	4.53	59	11857	0.417 ug/l #	72
33) Tert-Amyl methyl ether	5.97	73	9802	0.465 ug/l #	83
34) Propionitrile	4.81	54	1853	1.856 ug/l #	86
35) Benzene	5.78	78	14508	0.429 ug/l	98
36) 1,2-Dichloroethane	5.81	62	6528	0.514 ug/l #	90
37) Trichloroethene	6.56	130	4043	0.517 ug/l	100
38) 1,2-Dichloropropane	6.81	63	4501	0.484 ug/l #	88
39) Methacrylonitrile	5.01	41	2500	0.472 ug/l #	78
40) Methyl acrylate	4.87	55	2991	0.441 ug/l #	88
41) Tetrahydrofuran	5.09	42	2224	0.841 ug/l #	80
42) 1-Chlorobutane	5.47	56	8533	0.408 ug/l	96
43) Dibromomethane	6.93	93	2584	0.509 ug/l	98

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U090920DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Sep 10 03:43:56 2020
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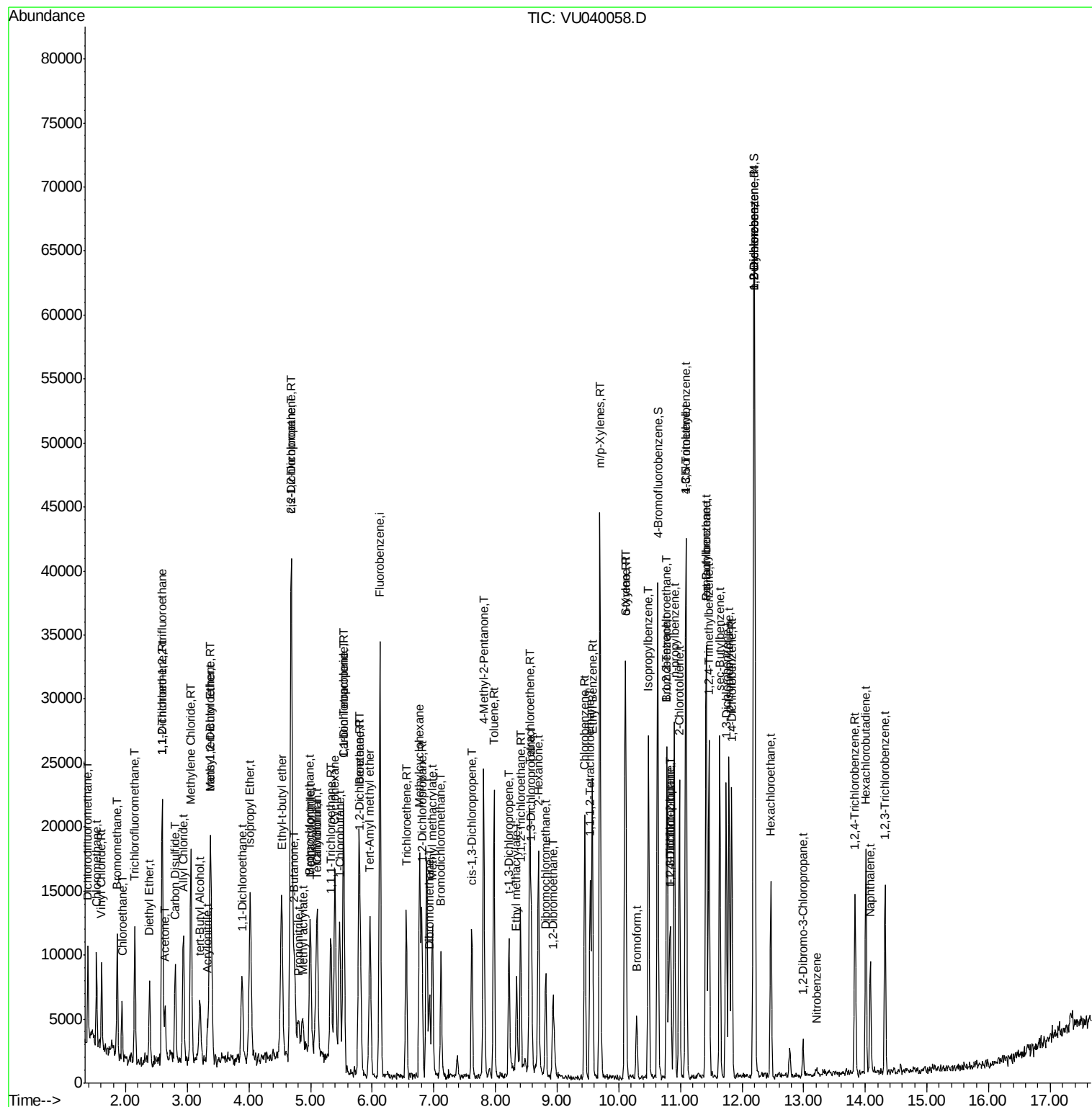
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Bromodichloromethane	7.11	83	6387	0.550	ug/l #	85
45) 4-Methyl-2-Pentanone	7.81	43	16302	2.157	ug/l	96
46) t-1,4-Dichloro-2-butene	10.83	75	6125	2.557	ug/l #	47
47) Methyl methacrylate	6.98	69	3946	0.846	ug/l	89
48) Ethyl methacrylate	8.34	69	3562	0.415	ug/l	94
49) Toluene	7.98	92	8678	0.434	ug/l	96
50) t-1,3-Dichloropropene	8.22	75	5309	0.508	ug/l #	84
51) cis-1,3-Dichloropropene	7.62	75	6235	0.509	ug/l	97
52) 1,1,2-Trichloroethane	8.40	97	3277	0.498	ug/l #	87
53) 1,3-Dichloropropane	8.58	76	5752	0.460	ug/l	92
54) 2-Hexanone	8.69	43	12651	2.337	ug/l	96
55) Dibromochloromethane	8.82	129	3575	0.502	ug/l	91
56) 1,2-Dibromoethane	8.93	107	2807	0.447	ug/l	98
58) Tetrachloroethene	8.56	164	3519	0.505	ug/l	96
59) Chlorobenzene	9.45	112	10055	0.481	ug/l	92
60) 1,1,1,2-Tetrachloroethane	9.54	131	3731	0.522	ug/l	91
61) Pentachloroethane	11.42	117	2477	0.414	ug/l	97
62) Hexachloroethane	12.47	117	3164	0.549	ug/l	95
63) Ethyl Benzene	9.57	91	15656	0.421	ug/l	94
64) m/p-Xylenes	9.69	106	10546	0.730	ug/l	79
65) o-Xylene	10.10	106	5136	0.374	ug/l	95
66) Styrene	10.11	104	8977	0.379	ug/l	96
67) Bromoform	10.29	173	1827	0.504	ug/l #	92
69) Isopropylbenzene	10.48	105	15506	0.421	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.78	83	4495	0.482	ug/l	99
71) 1,2,3-Trichloropropane	10.83	75	6125	0.885	ug/l	75
72) Bromobenzene	10.78	156	3689	0.439	ug/l	90
73) n-propylbenzene	10.90	120	4071	0.394	ug/l	99
74) 2-Chlorotoluene	10.98	126	3678	0.418	ug/l	93
75) 1,3,5-Trimethylbenzene	11.09	105	12213	0.383	ug/l	99
76) 4-Chlorotoluene	11.10	126	3875	0.425	ug/l	99
77) tert-Butylbenzene	11.41	119	12794	0.421	ug/l	100
78) 1,2,4-Trimethylbenzene	11.46	105	14048	0.430	ug/l	96
79) sec-Butylbenzene	11.64	105	17273	0.397	ug/l	100
80) Nitrobenzene	13.21	77	692	3.529	ug/l #	53
81) p-Isopropyltoluene	11.79	119	12913	0.369	ug/l	99
82) 1,3-Dichlorobenzene	11.74	146	8957	0.494	ug/l	97
83) 1,4-Dichlorobenzene	11.83	146	8710	0.477	ug/l	97
84) n-Butylbenzene	12.20	91	13443	0.362	ug/l	97
85) 1,2-Dichlorobenzene	12.21	146	8452	0.483	ug/l	94
86) 1,2-Dibromo-3-Chloropropan	12.99	75	703	0.441	ug/l #	78
87) 1,2,4-Trichlorobenzene	13.83	180	4785	0.441	ug/l #	88
88) Hexachlorobutadiene	14.01	225	2361	0.467	ug/l	99
89) Naphthalene	14.08	128	7295	0.316	ug/l	98
90) 1,2,3-Trichlorobenzene	14.32	180	4211	0.411	ug/l	97

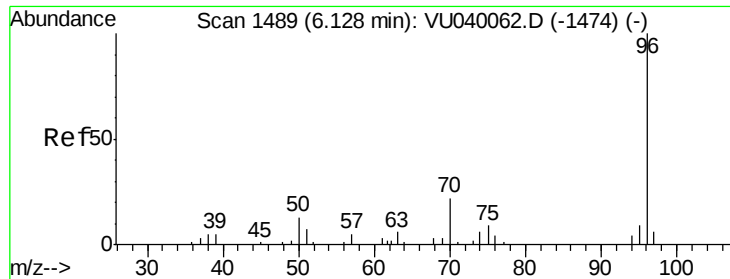
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.12 min Scan# 1488

Delta R.T. -0.00 min

Lab File: VU040058.D

Acq: 09 Sep 2020 10:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 96 Resp: 27460

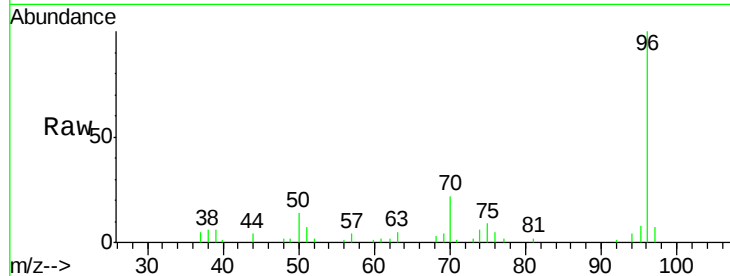
Ion Ratio Lower Upper

96 100

70 23.0 17.1 25.7

95 9.4 7.6 11.4

97 6.7 0.0 0.0#

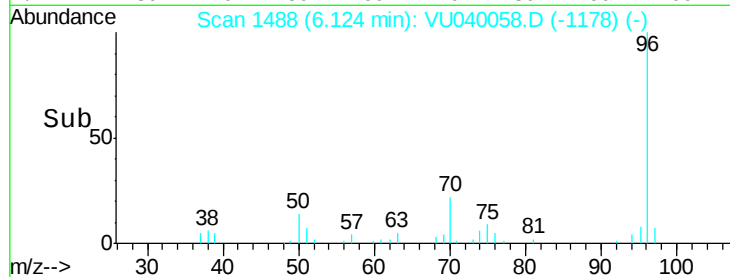


Abundance Ion 96.00 (95.70 to 96.70): VU0

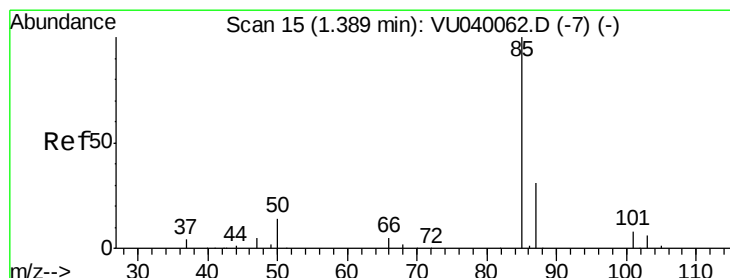
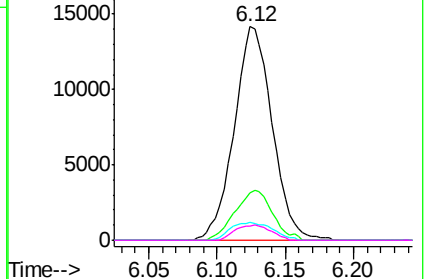
Ion 70.00 (69.70 to 70.70): VU0

Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0



Time-->



#2

Dichlorodifluoromethane

Concen: 0.415 ug/l

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU040058.D

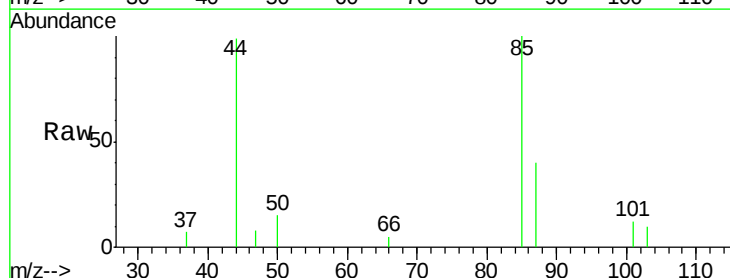
Acq: 09 Sep 2020 10:31

Tgt Ion: 85 Resp: 3836

Ion Ratio Lower Upper

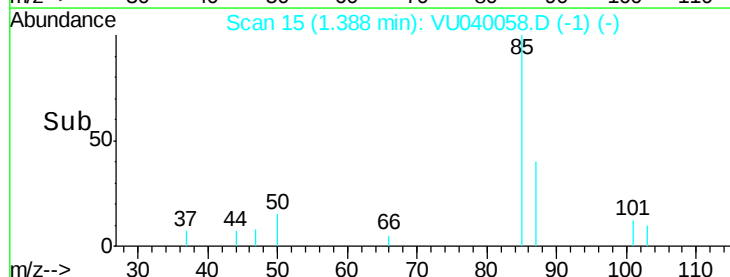
85 100

87 39.8 15.6 46.8

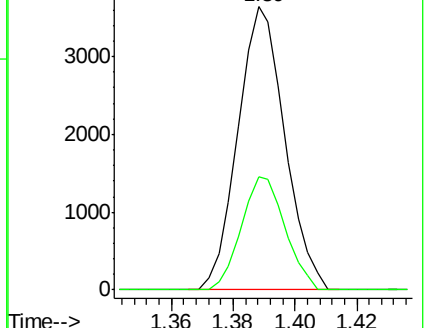


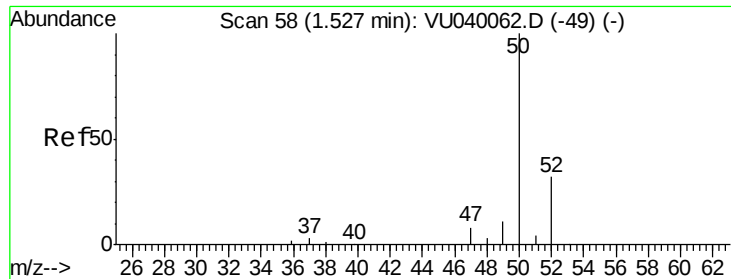
Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



Time-->





#3

Chloromethane

Concen: 0.393 ug/l

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040058.D

Acq: 09 Sep 2020 10:31

Instrument :

MSVOA_U

ClientSampleId :

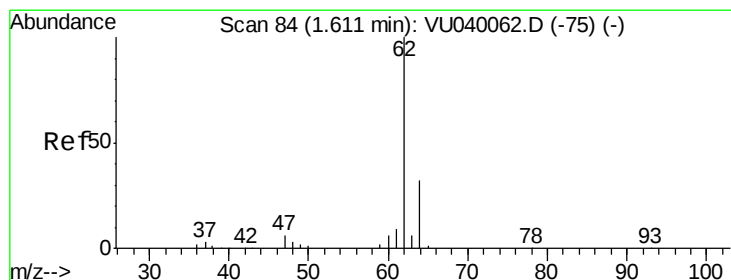
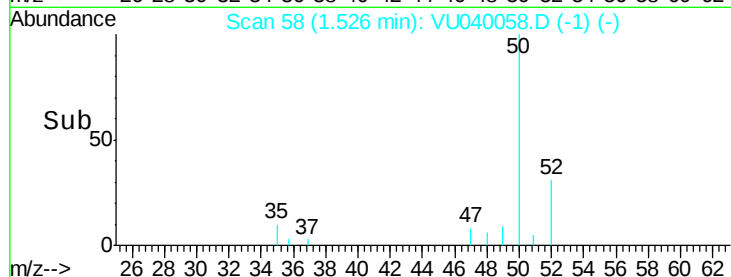
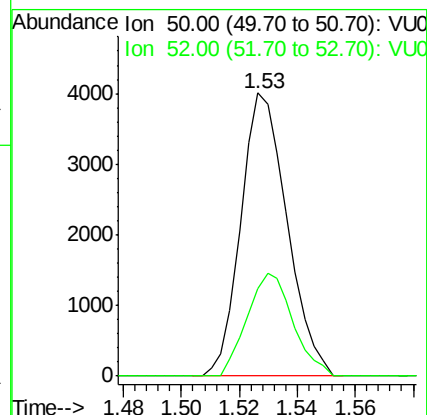
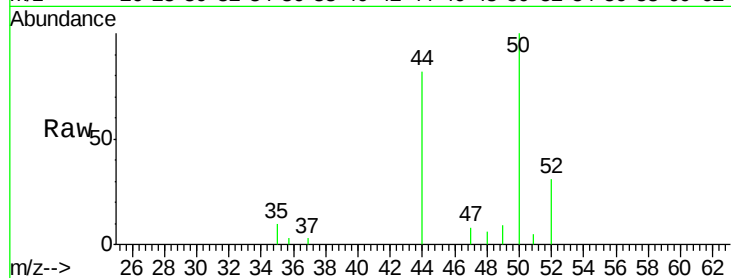
VSTDIC0.5

Tgt Ion: 50 Resp: 4440

Ion Ratio Lower Upper

50 100

52 30.8 25.9 38.9



#4

Vinyl Chloride

Concen: 0.414 ug/l

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040058.D

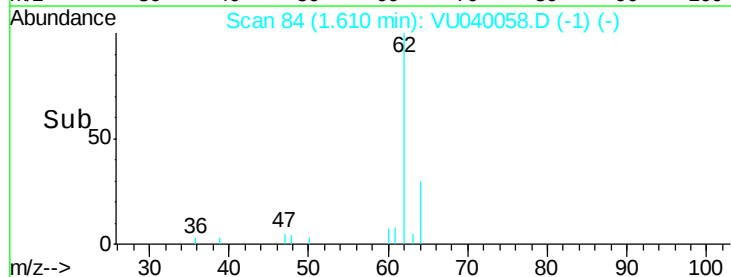
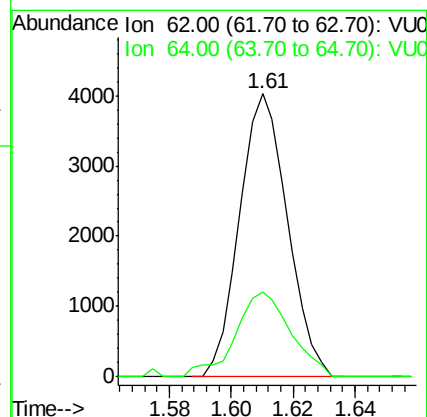
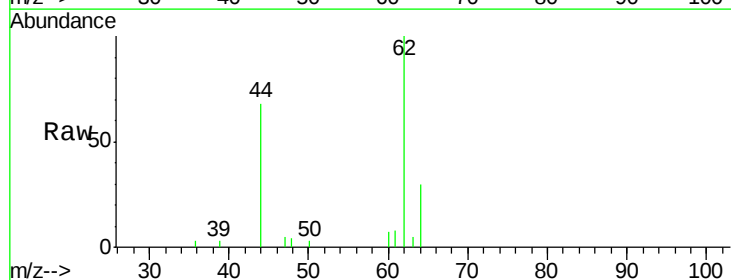
Acq: 09 Sep 2020 10:31

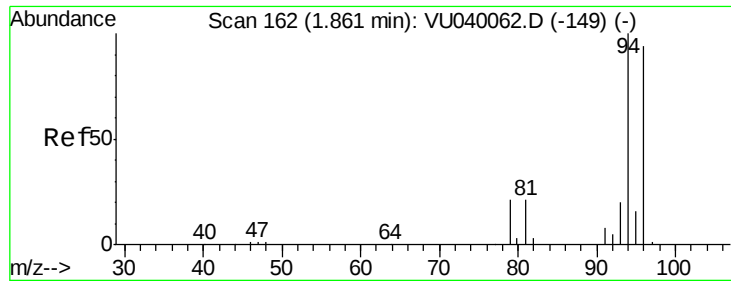
Tgt Ion: 62 Resp: 4337

Ion Ratio Lower Upper

62 100

64 29.8 25.4 38.0

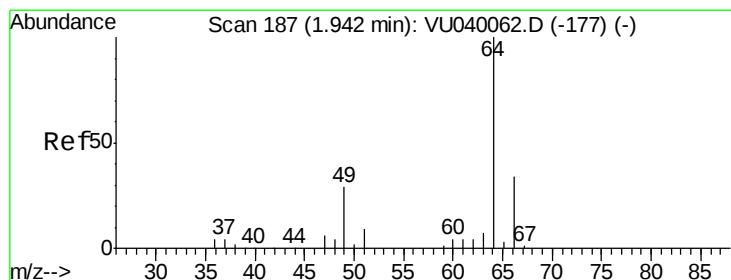
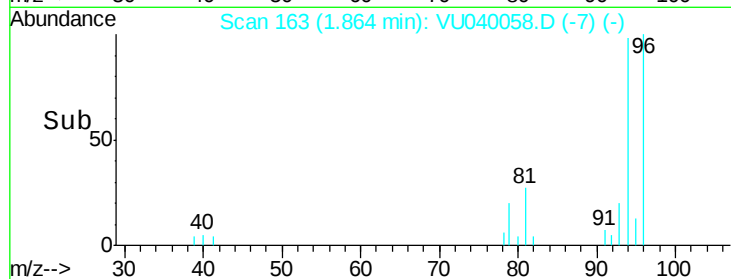
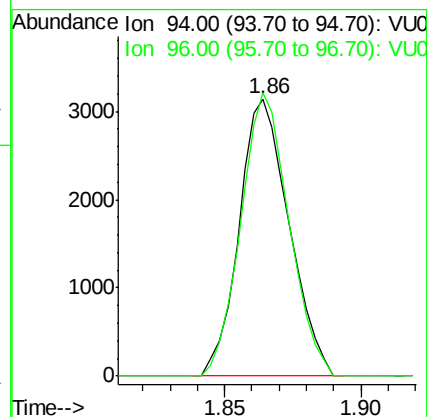
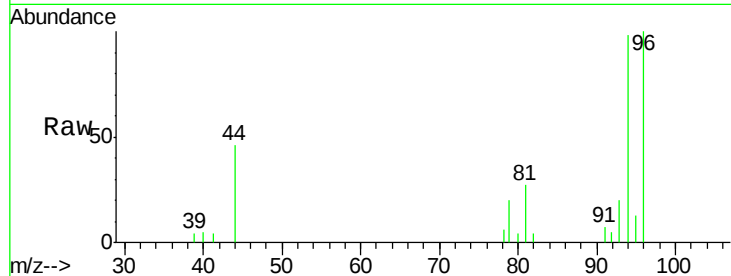




#5
Bromomethane
Concen: 0.552 ug/l
RT: 1.86 min Scan# 163
Delta R.T. 0.00 min
Lab File: VU040058.D
Acq: 09 Sep 2020 10:31

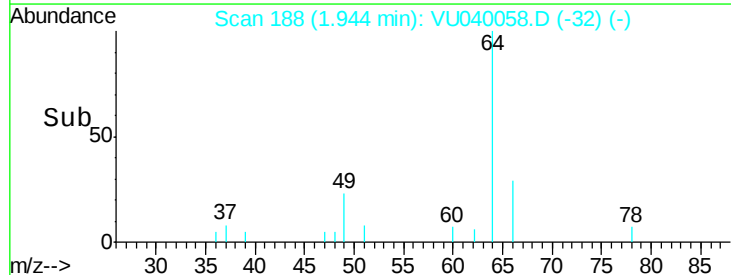
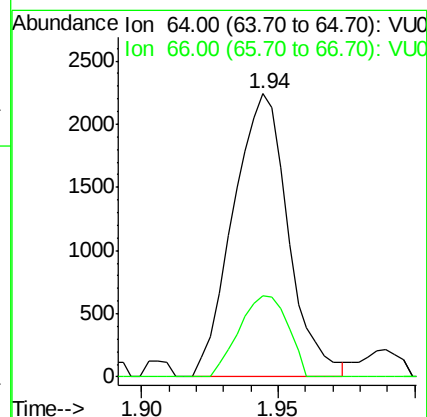
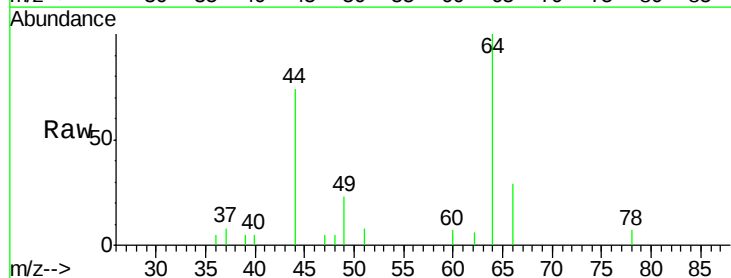
Instrument :
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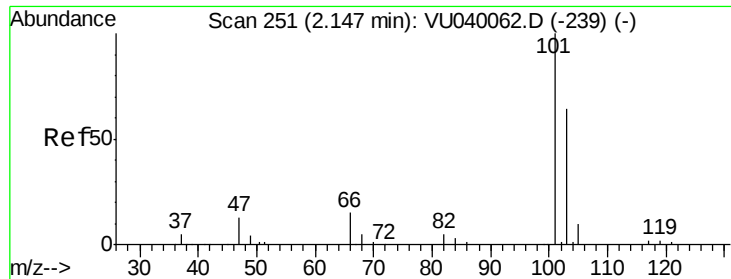
Tgt Ion: 94 Resp: 3979
Ion Ratio Lower Upper
94 100
96 102.0 75.4 113.2



#6
Chloroethane
Concen: 0.435 ug/l
RT: 1.94 min Scan# 188
Delta R.T. 0.00 min
Lab File: VU040058.D
Acq: 09 Sep 2020 10:31

Tgt Ion: 64 Resp: 3141
Ion Ratio Lower Upper
64 100
66 28.6 26.7 40.1



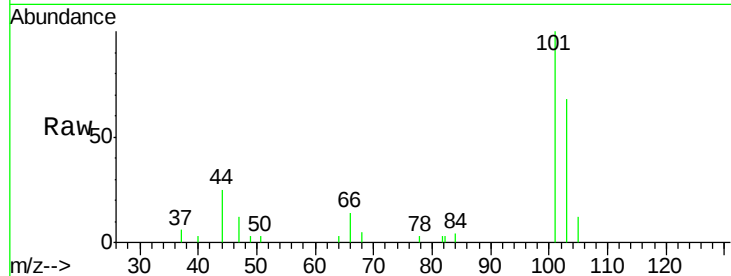


#7

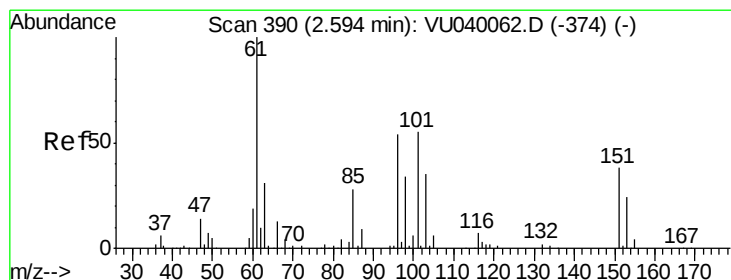
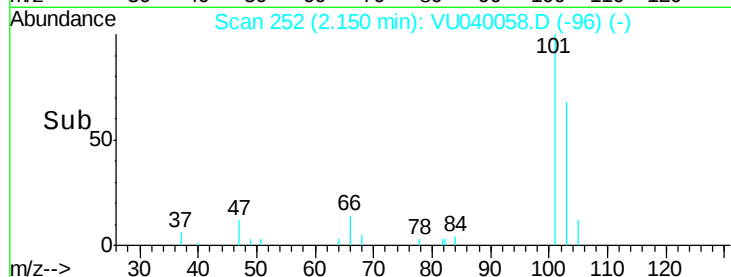
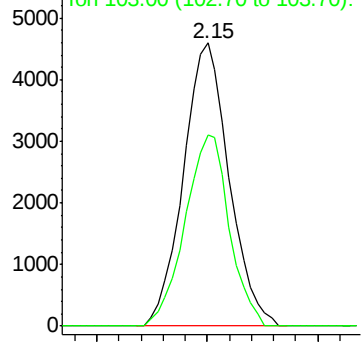
Trichlorofluoromethane
 Concen: 0.467 ug/l
 RT: 2.15 min Scan# 252
 Delta R.T. 0.00 min
 Lab File: VU040058.D
 Acq: 09 Sep 2020 10:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tgt Ion:101 Resp: 6599
 Ion Ratio Lower Upper
 101 100
 103 67.7 50.8 76.2



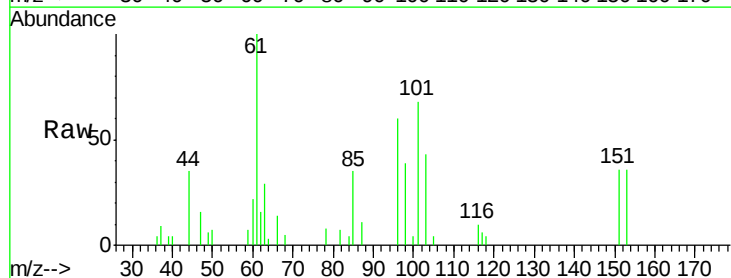
Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 103.00 (102.70 to 103.70): V



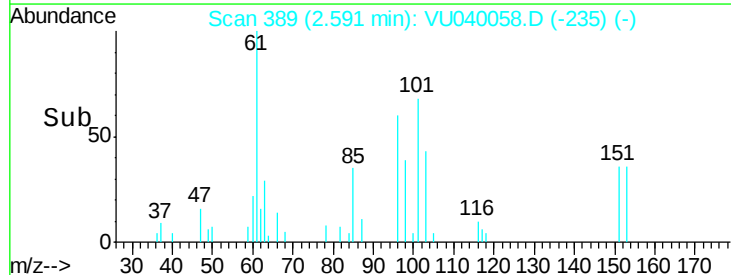
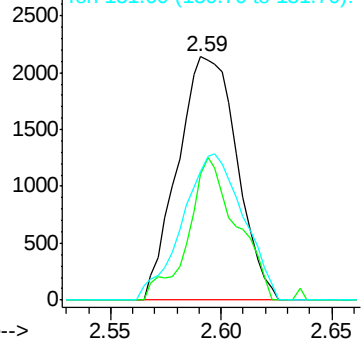
#8

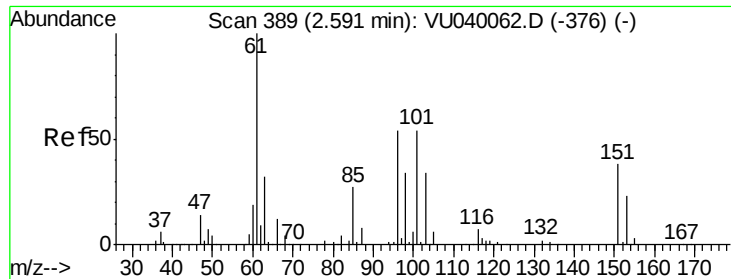
1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.493 ug/l
 RT: 2.59 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VU040058.D
 Acq: 09 Sep 2020 10:31

Tgt Ion:101 Resp: 3995
 Ion Ratio Lower Upper
 101 100
 85 48.0 38.5 57.7
 151 61.6 54.6 81.8



Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 85.00 (84.70 to 85.70): VU
 Ion 151.00 (150.70 to 151.70): V

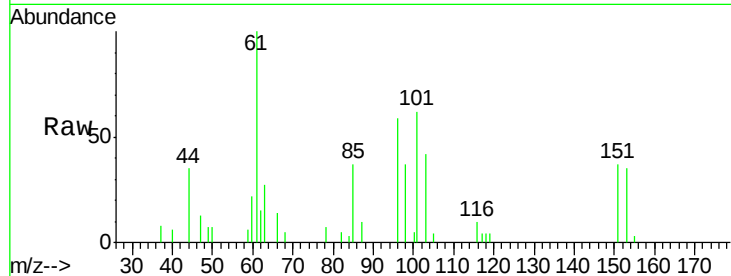




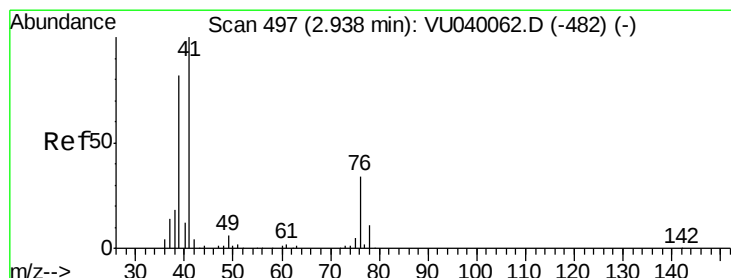
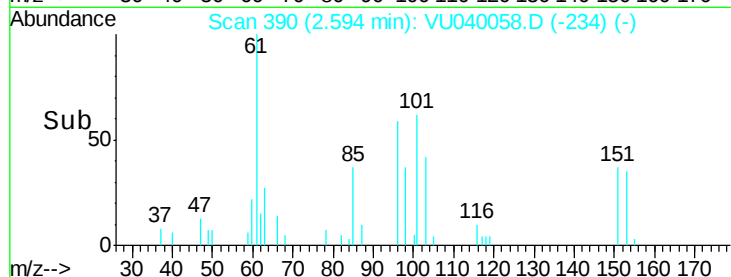
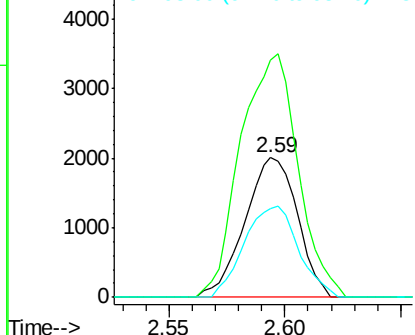
#9
 1,1-Dichloroethene
 Concen: 0.429 ug/l
 RT: 2.59 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VU040058.D
 Acq: 09 Sep 2020 10:31

Instrument :
 MSVOA_U
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 VSTDIC0.5

Tgt Ion: 96 Resp: 3161
 Ion Ratio Lower Upper
 96 100
 61 169.9 0.0 557.1
 98 63.5 0.0 125.6

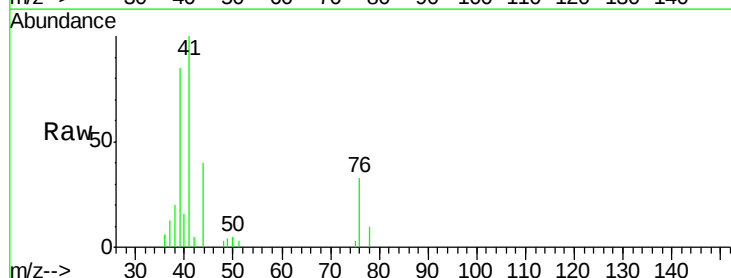


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0

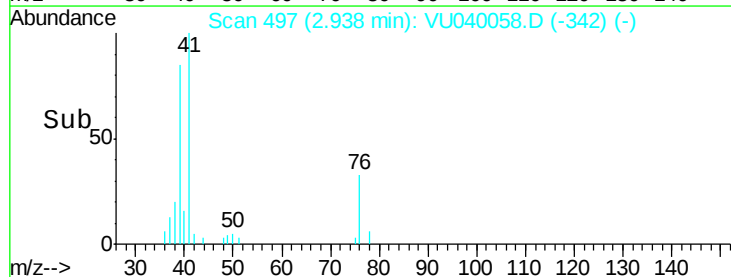
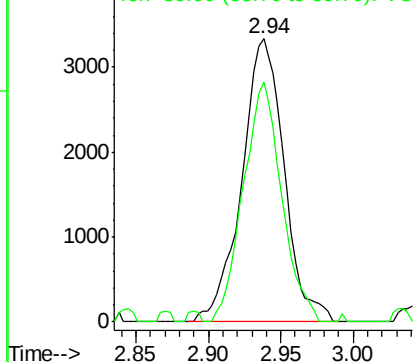


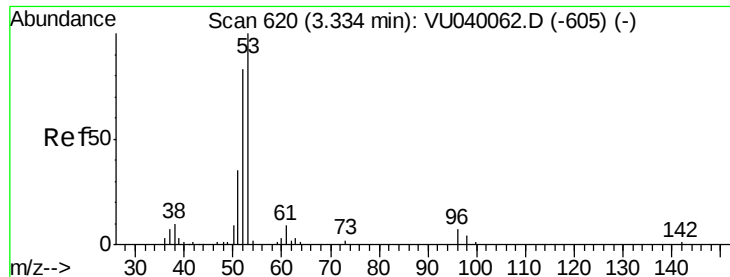
#11
 Allyl Chloride
 Concen: 0.433 ug/l
 RT: 2.94 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VU040058.D
 Acq: 09 Sep 2020 10:31

Tgt Ion: 41 Resp: 6795
 Ion Ratio Lower Upper
 41 100
 39 76.7 64.6 96.8



Abundance Ion 41.00 (40.70 to 41.70): VU0
 Ion 39.00 (38.70 to 39.70): VU0





#12

Acrylonitrile

Concen: 0.902 ug/l

RT: 3.33 min Scan# 619

Delta R.T. -0.00 min

Lab File: VU040058.D

Acq: 09 Sep 2020 10:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

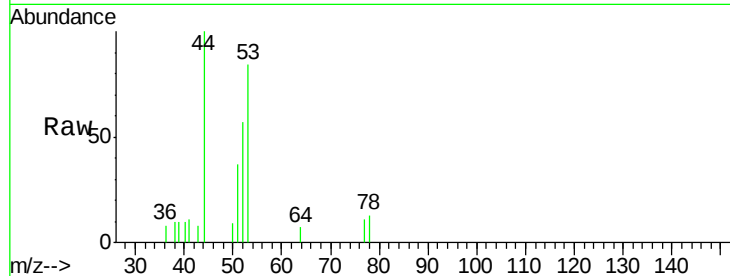
Tgt Ion: 53 Resp: 2335

Ion Ratio Lower Upper

53 100

52 92.3 64.0 96.0

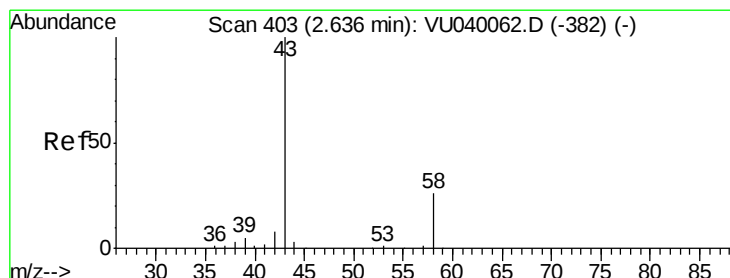
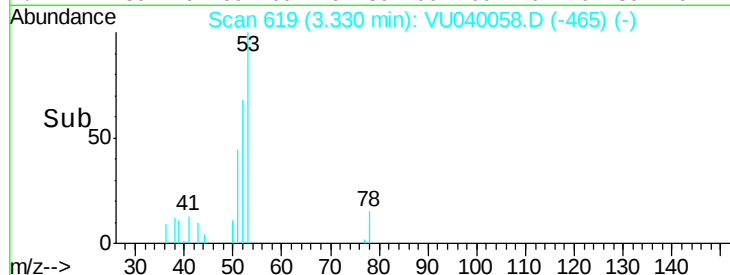
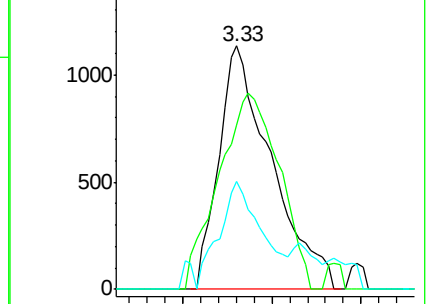
51 36.4 28.2 42.2



Abundance Ion 53.00 (52.70 to 53.70): VU040062.D (-605) (-)

Ion 52.00 (51.70 to 52.70): VU040062.D (-605) (-)

Ion 51.00 (50.70 to 51.70): VU040062.D (-605) (-)



#13

Acetone

Concen: 2.123 ug/l

RT: 2.64 min Scan# 405

Delta R.T. 0.01 min

Lab File: VU040058.D

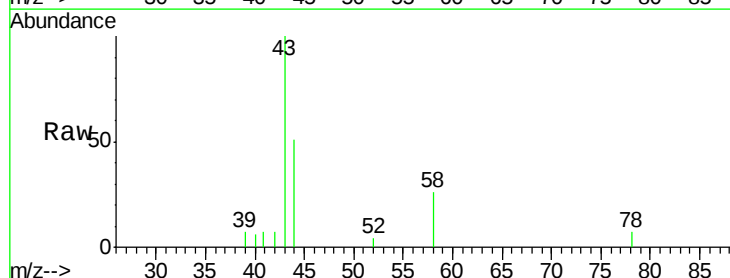
Acq: 09 Sep 2020 10:31

Tgt Ion: 43 Resp: 5181

Ion Ratio Lower Upper

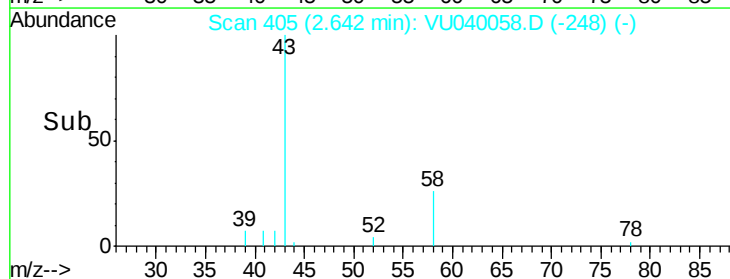
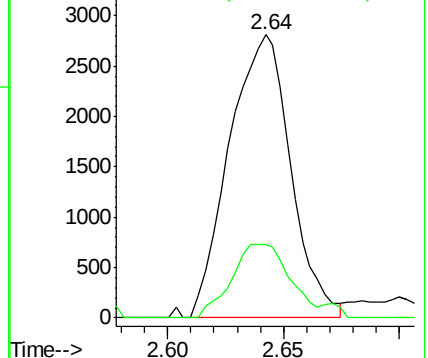
43 100

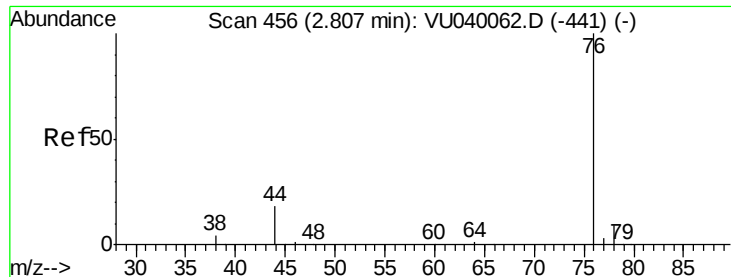
58 25.8 20.6 31.0



Abundance Ion 43.00 (42.70 to 43.70): VU040062.D (-382) (-)

Ion 58.00 (57.70 to 58.70): VU040062.D (-382) (-)





#14

Carbon Disulfide

Concen: 0.360 ug/l

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU040058.D

Acq: 09 Sep 2020 10:31

Instrument :

MSVOA_U

ClientSampleId :

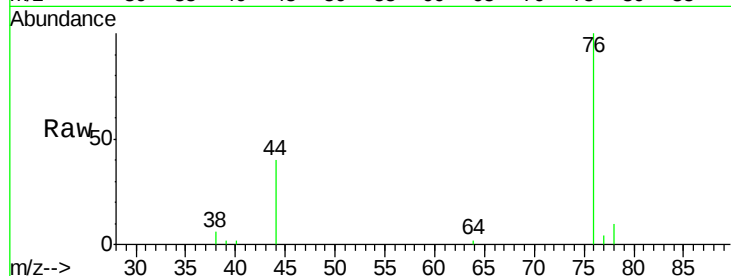
VSTDIC0.5

Tgt Ion: 76 Resp: 9423

Ion Ratio Lower Upper

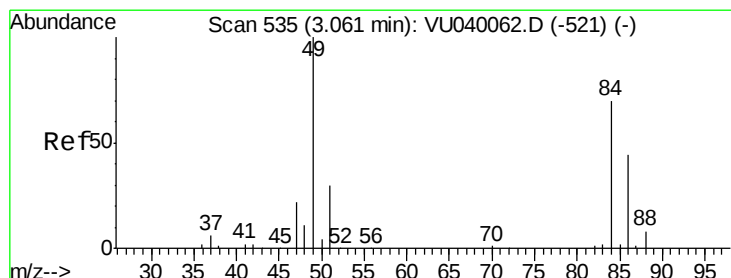
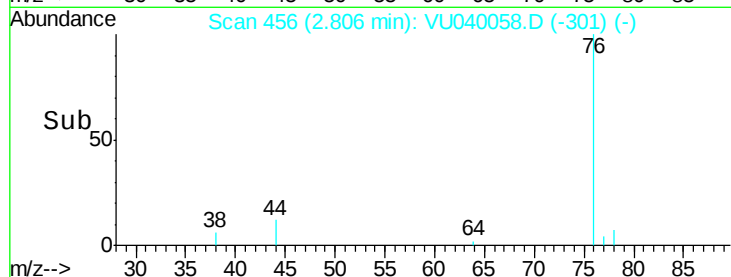
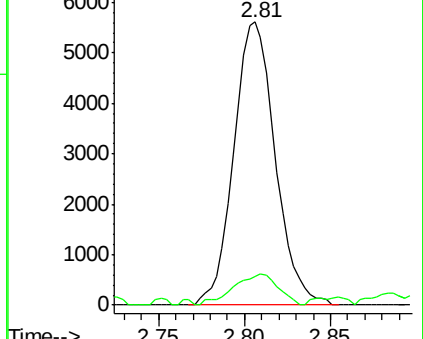
76 100

78 8.0 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VU040062.D (-441) (-)

Ion 78.00 (77.70 to 78.70): VU040062.D (-441) (-)



#15

Methylene Chloride

Concen: 0.655 ug/l

RT: 3.06 min Scan# 536

Delta R.T. 0.00 min

Lab File: VU040058.D

Acq: 09 Sep 2020 10:31

Tgt Ion: 84 Resp: 6781

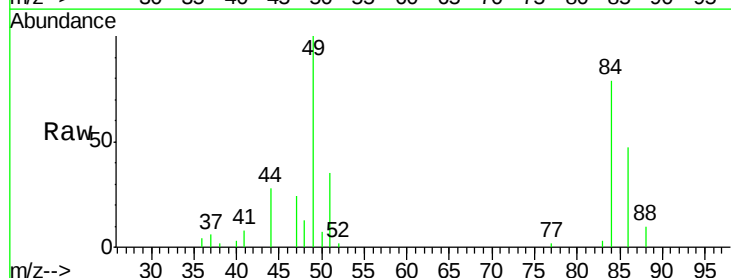
Ion Ratio Lower Upper

84 100

49 124.2 114.3 171.5

51 44.2 0.0 84.6

86 59.3 50.6 76.0

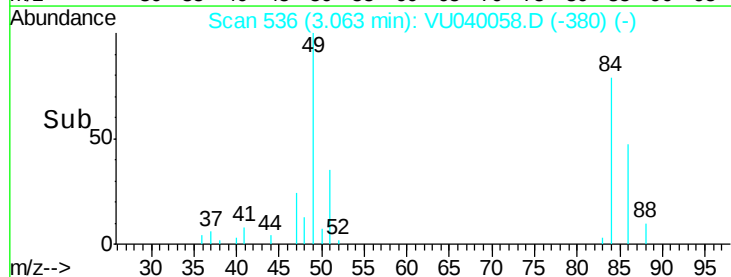
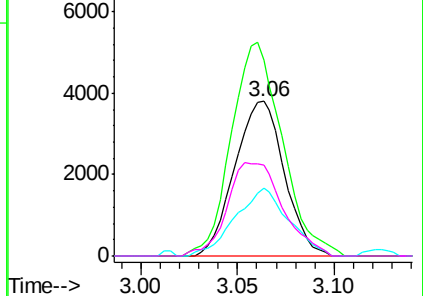


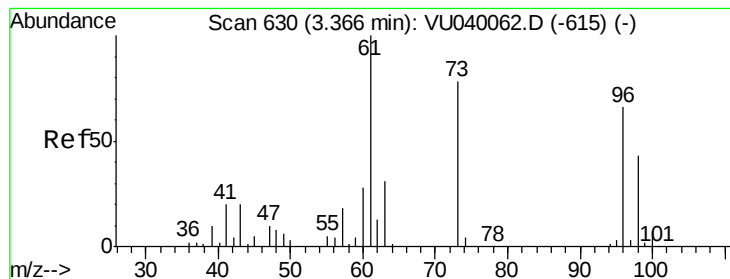
Abundance Ion 84.00 (83.70 to 84.70): VU040062.D (-521) (-)

Ion 49.00 (48.70 to 49.70): VU040062.D (-521) (-)

Ion 51.00 (50.70 to 51.70): VU040062.D (-521) (-)

Ion 86.00 (85.70 to 86.70): VU040062.D (-521) (-)





#16

trans-1,2-Dichloroethene

Concen: 0.386 ug/l

RT: 3.37 min Scan# 632

Delta R.T. 0.01 min

Lab File: VU040058.D

Acq: 09 Sep 2020 10:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

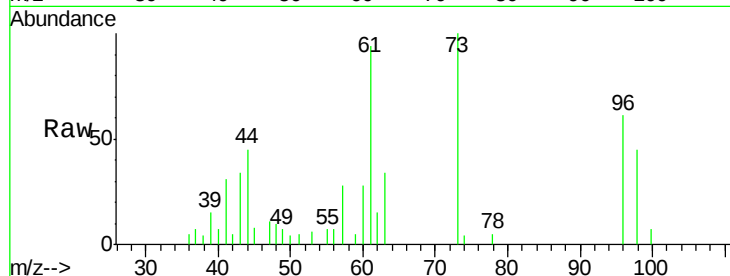
Tgt Ion: 96 Resp: 3229

Ion Ratio Lower Upper

96 100

61 154.0 121.4 182.0

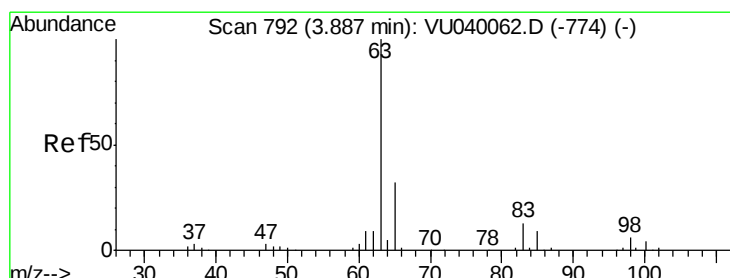
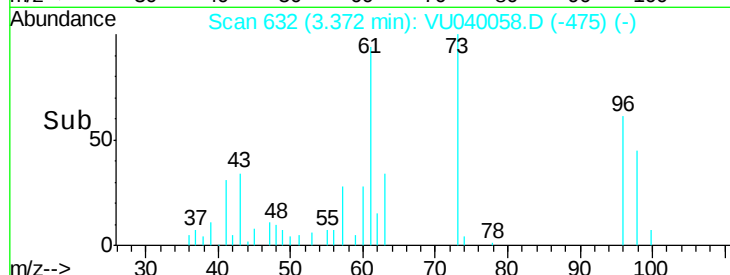
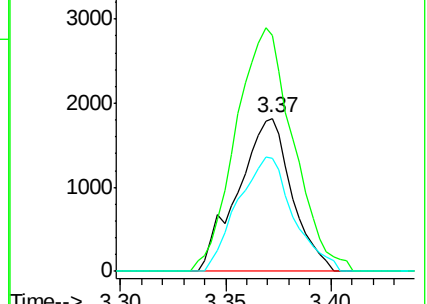
98 74.2 51.9 77.9



Abundance Ion 96.00 (95.70 to 96.70): VU040062.D (-615) (-)

Ion 61.00 (60.70 to 61.70): VU040062.D (-615) (-)

Ion 98.00 (97.70 to 98.70): VU040062.D (-615) (-)



#17

1,1-Dichloroethane

Concen: 0.444 ug/l

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU040058.D

Acq: 09 Sep 2020 10:31

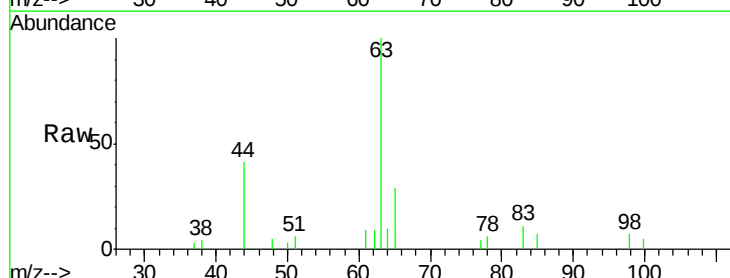
Tgt Ion: 63 Resp: 8091

Ion Ratio Lower Upper

63 100

98 7.2 3.1 9.4

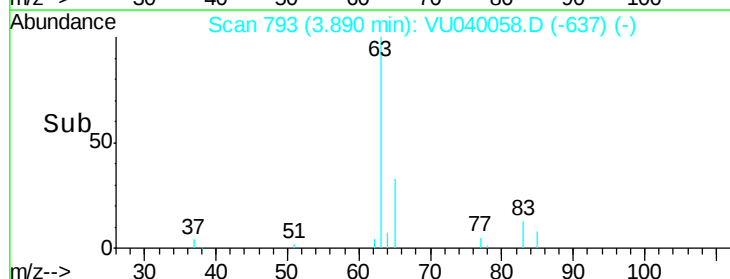
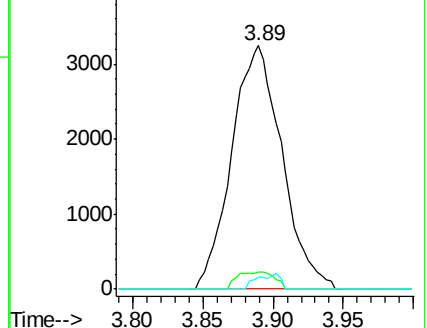
100 4.9 2.0 5.8

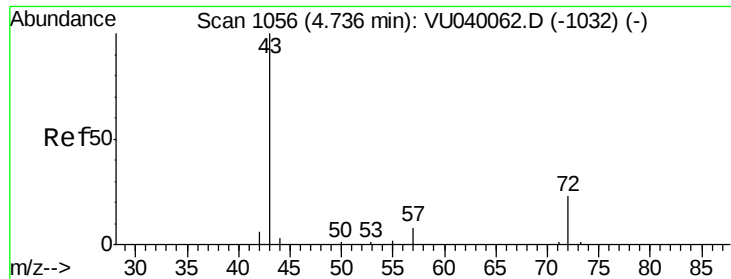


Abundance Ion 63.00 (62.70 to 63.70): VU040062.D (-774) (-)

Ion 98.00 (97.70 to 98.70): VU040062.D (-774) (-)

Ion 100.00 (99.70 to 100.70): VU040062.D (-774) (-)





#18

2-Butanone

Concen: 1.921 ug/l

RT: 4.74 min Scan# 1057

Delta R.T. 0.00 min

Lab File: VU040058.D

Acq: 09 Sep 2020 10:31

Instrument :

MSVOA_U

ClientSampleId :

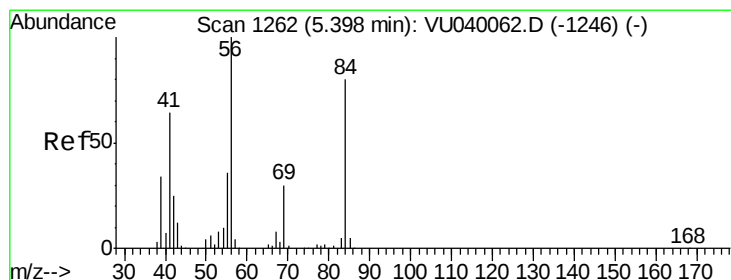
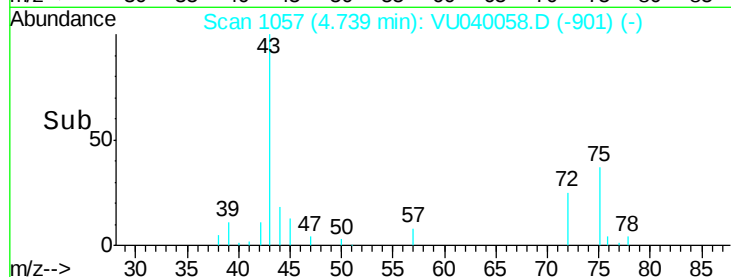
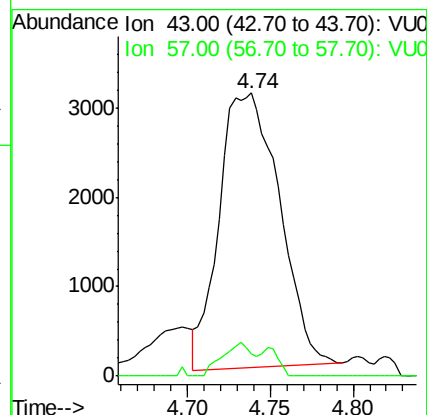
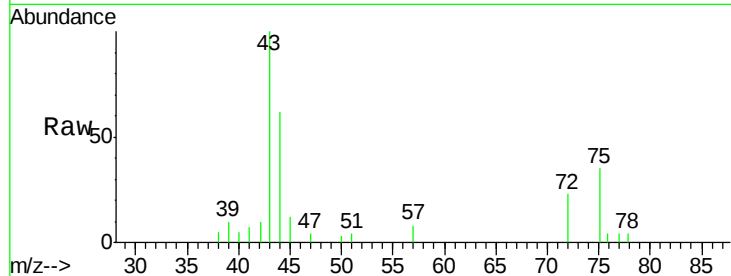
VSTDIC0.5

Tgt Ion: 43 Resp: 7755

Ion Ratio Lower Upper

43 100

57 8.2 0.0 15.2



#19

Cyclohexane

Concen: 0.371 ug/l

RT: 5.40 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VU040058.D

Acq: 09 Sep 2020 10:31

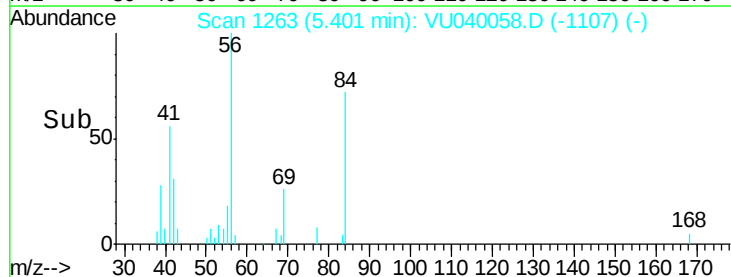
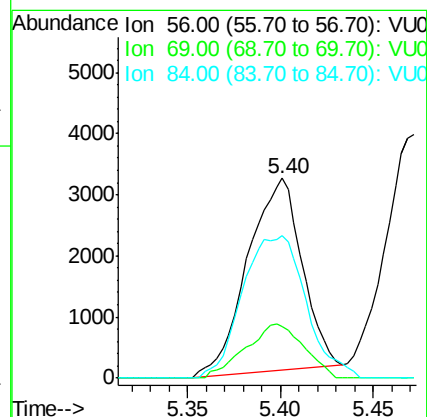
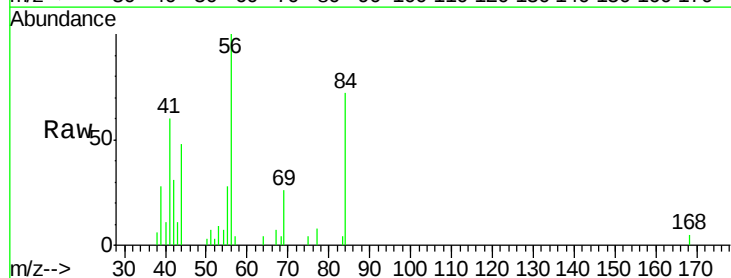
Tgt Ion: 56 Resp: 6469

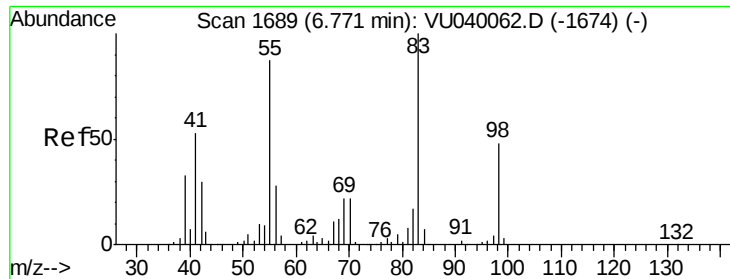
Ion Ratio Lower Upper

56 100

69 29.6 23.5 35.3

84 85.8 63.8 95.6

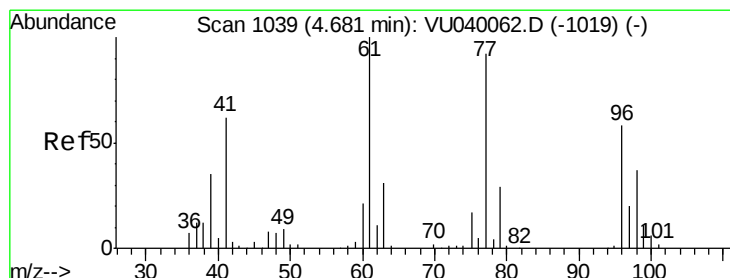
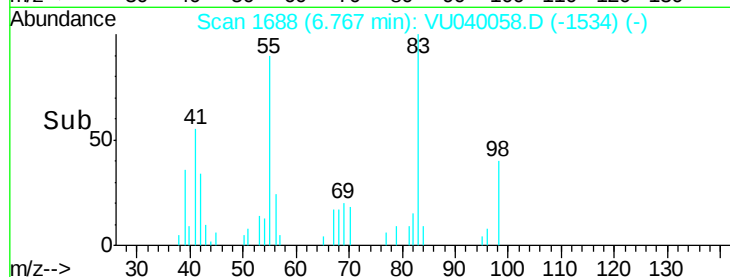
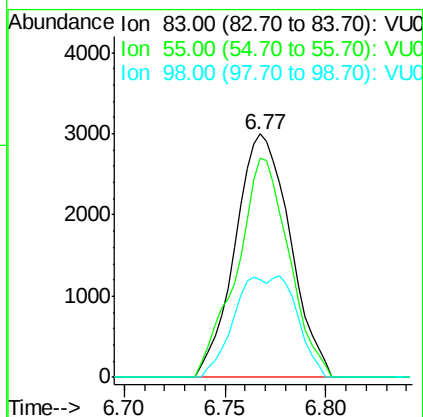
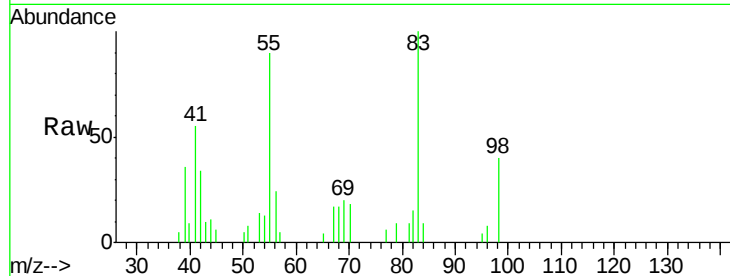




#20
Methylcyclohexane
Concen: 0.432 ug/l
RT: 6.77 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VU040058.D
Acq: 09 Sep 2020 10:31

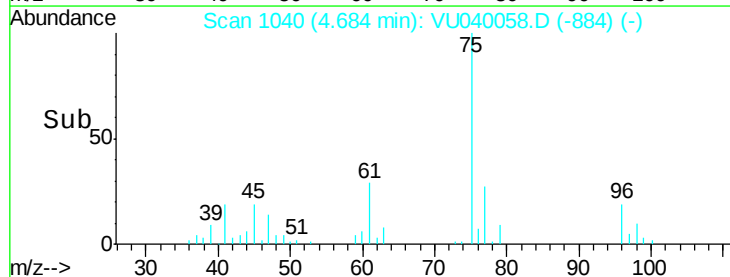
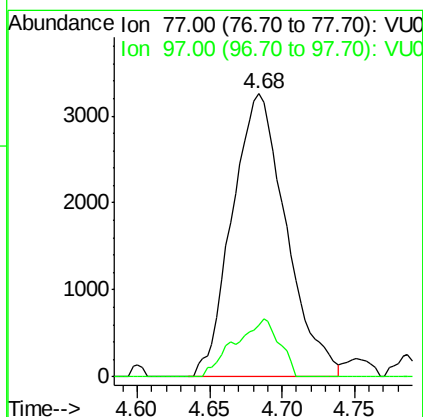
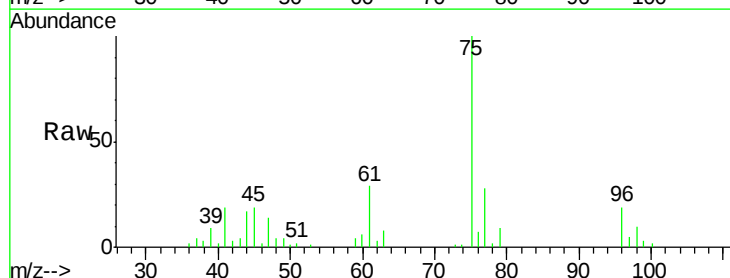
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

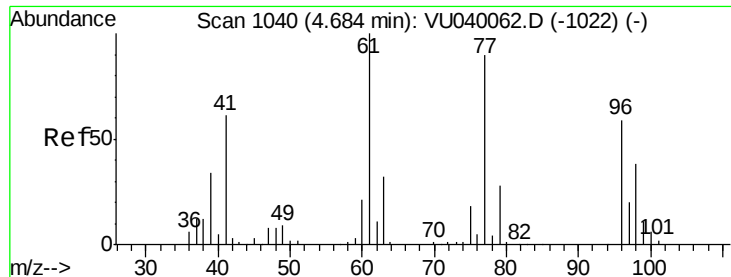
Tgt Ion: 83 Resp: 5702
Ion Ratio Lower Upper
83 100
55 85.6 69.4 104.2
98 26.1 37.5 56.3#



#21
2,2-Dichloropropane
Concen: 0.556 ug/l
RT: 4.68 min Scan# 1040
Delta R.T. 0.00 min
Lab File: VU040058.D
Acq: 09 Sep 2020 10:31

Tgt Ion: 77 Resp: 8431
Ion Ratio Lower Upper
77 100
97 16.8 16.4 24.6

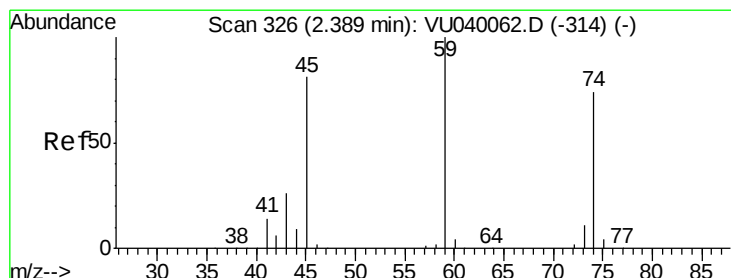
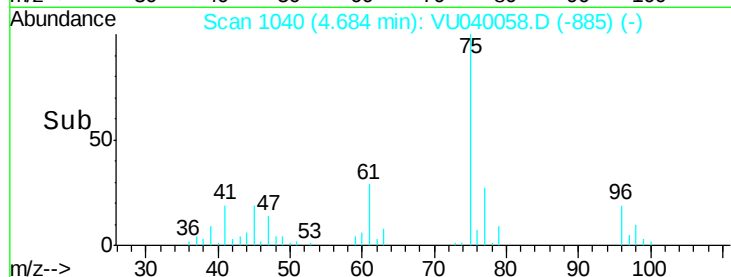
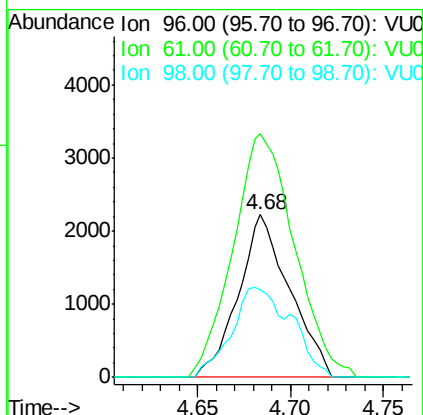
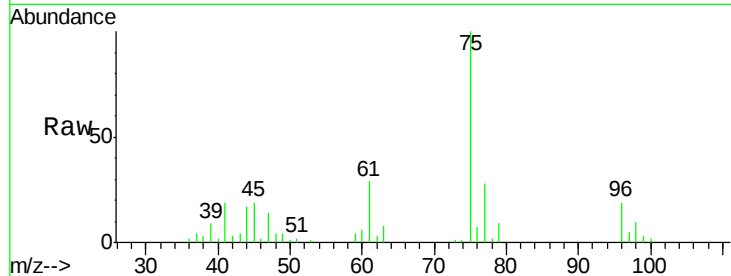




#22
 cis-1,2-Dichloroethene
 Concen: 0.471 ug/l
 RT: 4.68 min Scan# 1040
 Delta R.T. -0.00 min
 Lab File: VU040058.D
 Acq: 09 Sep 2020 10:31

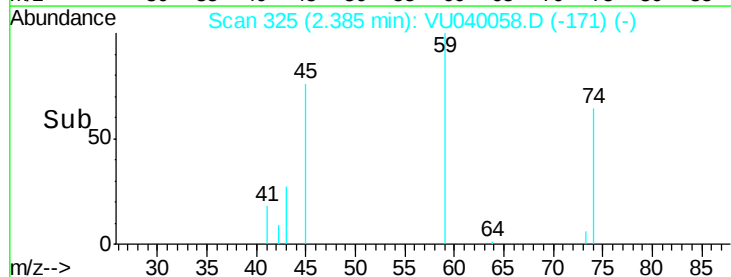
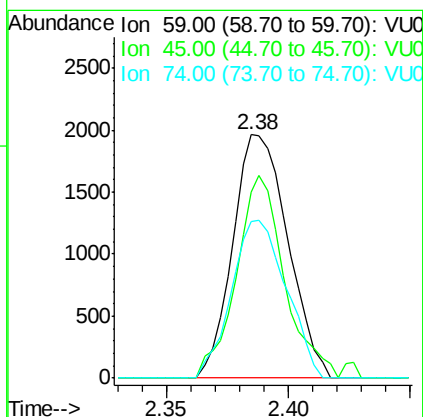
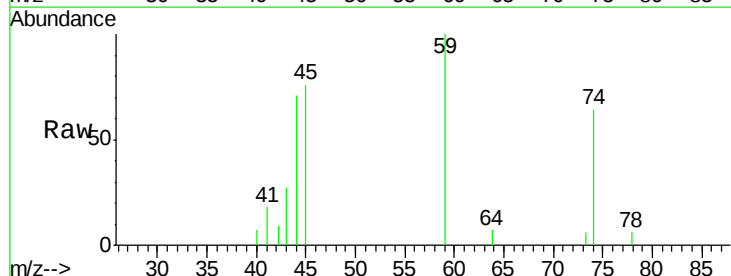
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

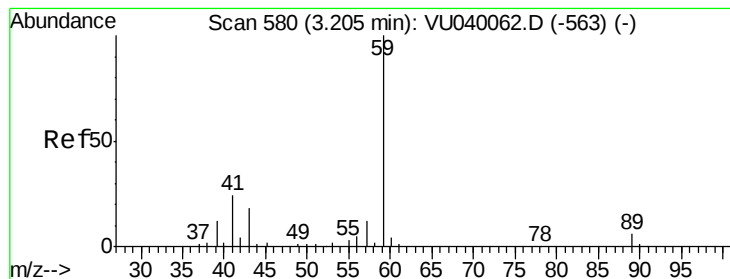
Tgt Ion: 96 Resp: 4269
 Ion Ratio Lower Upper
 96 100
 61 179.5 0.0 420.0
 98 64.5 31.8 95.3



#23
 Diethyl Ether
 Concen: 0.412 ug/l
 RT: 2.38 min Scan# 325
 Delta R.T. -0.00 min
 Lab File: VU040058.D
 Acq: 09 Sep 2020 10:31

Tgt Ion: 59 Resp: 3073
 Ion Ratio Lower Upper
 59 100
 45 72.6 62.4 93.6
 74 64.5 57.7 86.5





#24

tert-Butyl Alcohol

Concen: 3.479 ug/l

RT: 3.21 min Scan# 581

Delta R.T. 0.00 min

Lab File: VU040058.D

Acq: 09 Sep 2020 10:31

Instrument :

MSVOA_U

ClientSampleId :

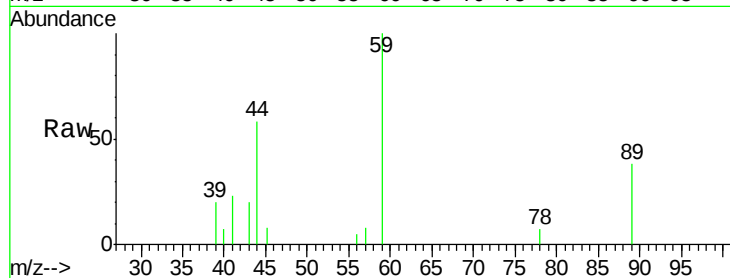
VSTDIC0.5

Tgt Ion: 59 Resp: 4720

Ion Ratio Lower Upper

59 100

57 5.8 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VU040062.D (-563) (-)

Ion 57.00 (56.70 to 57.70): VU040062.D (-563) (-)

3.21

2500

2000

1500

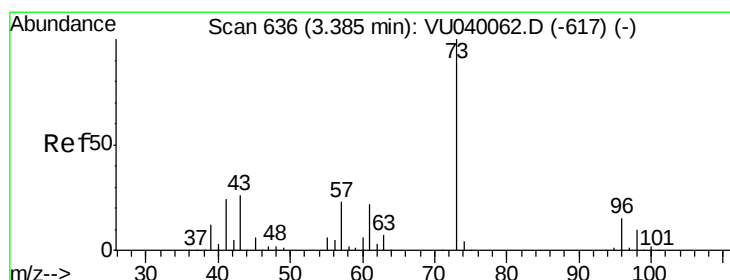
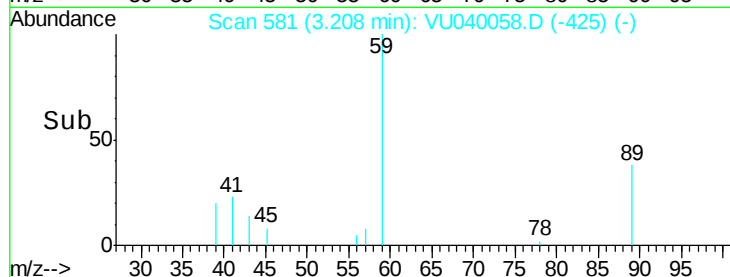
1000

500

0

3.15 3.20 3.25

Time-->



#25

Methyl tert-Butyl Ether

Concen: 0.455 ug/l

RT: 3.38 min Scan# 636

Delta R.T. -0.00 min

Lab File: VU040058.D

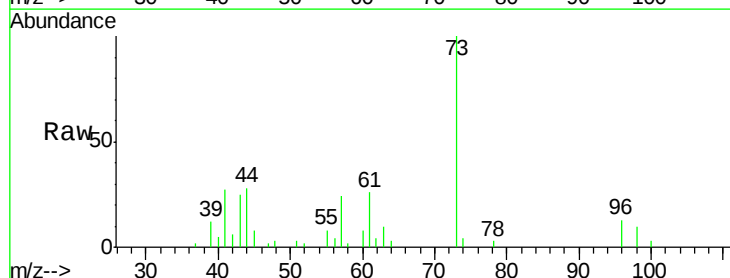
Acq: 09 Sep 2020 10:31

Tgt Ion: 73 Resp: 10963

Ion Ratio Lower Upper

73 100

43 29.5 20.0 30.0



Abundance Ion 73.00 (72.70 to 73.70): VU040062.D (-617) (-)

Ion 43.00 (42.70 to 43.70): VU040062.D (-617) (-)

3.38

5000

4000

3000

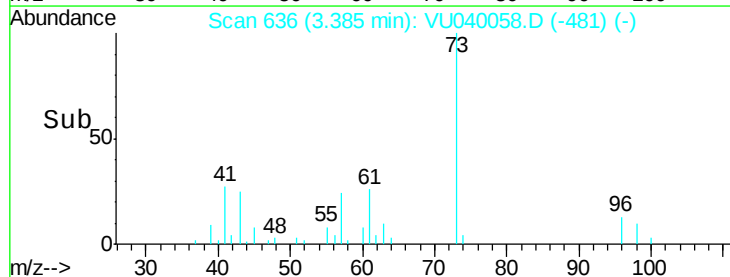
2000

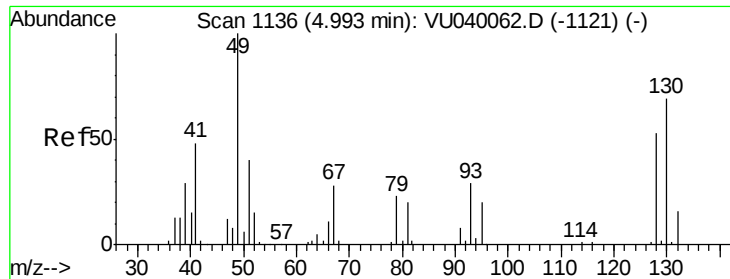
1000

0

3.30 3.35 3.40 3.45

Time-->

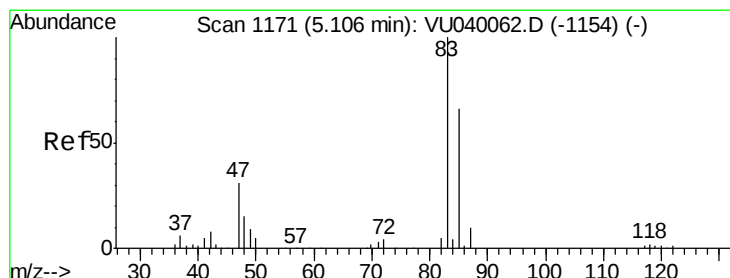
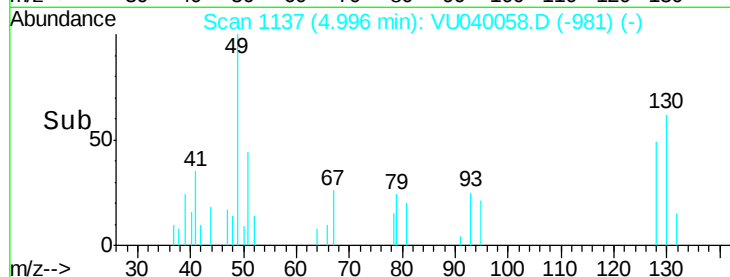
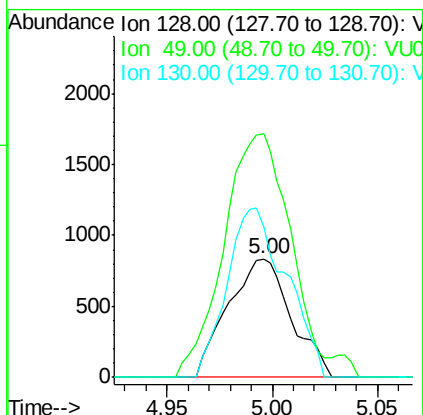
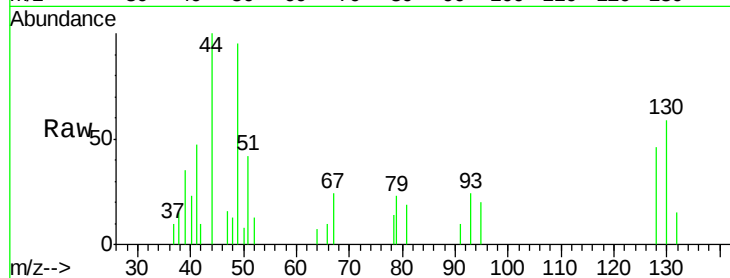




#26
Bromochloromethane
Concen: 0.462 ug/l
RT: 5.00 min Scan# 1137
Delta R.T. 0.00 min
Lab File: VU040058.D
Acq: 09 Sep 2020 10:31

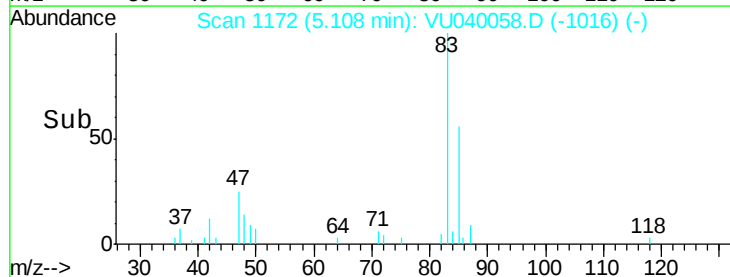
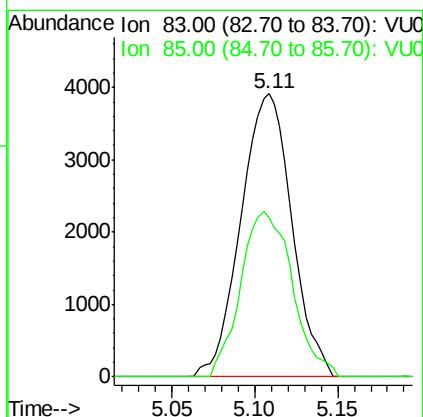
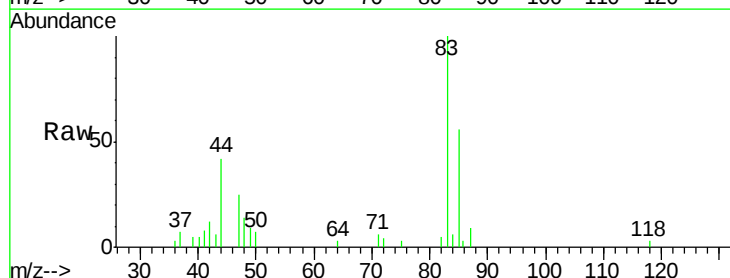
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

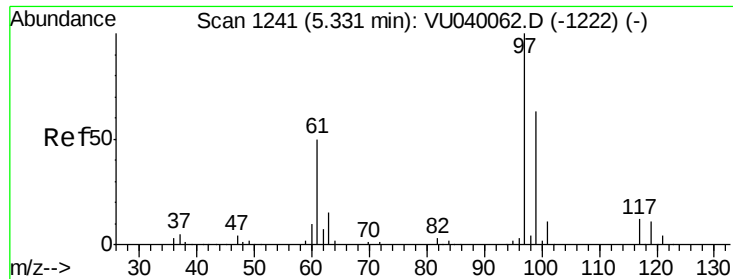
Tgt Ion: 128 Resp: 1733
Ion Ratio Lower Upper
128 100
49 216.8 0.0 390.6
130 134.1 104.9 157.3



#27
Chloroform
Concen: 0.483 ug/l
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU040058.D
Acq: 09 Sep 2020 10:31

Tgt Ion: 83 Resp: 8362
Ion Ratio Lower Upper
83 100
85 56.1 0.0 132.4

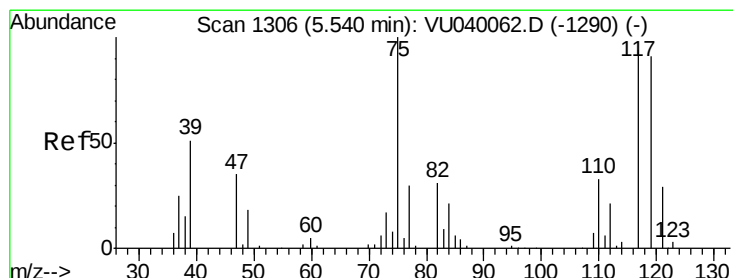
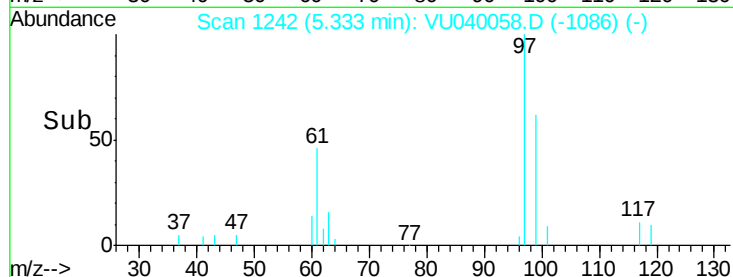
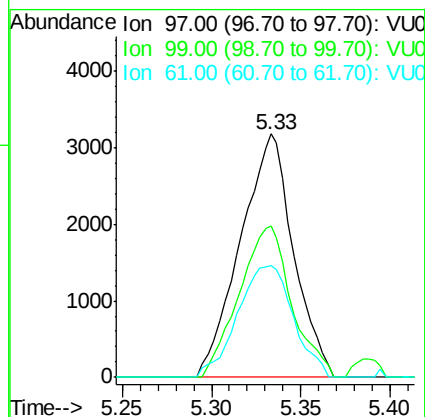
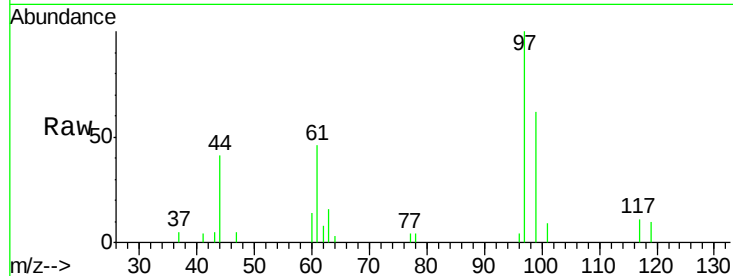




#28
 1,1,1-Trichloroethane
 Concen: 0.467 ug/l
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU040058.D
 Acq: 09 Sep 2020 10:31

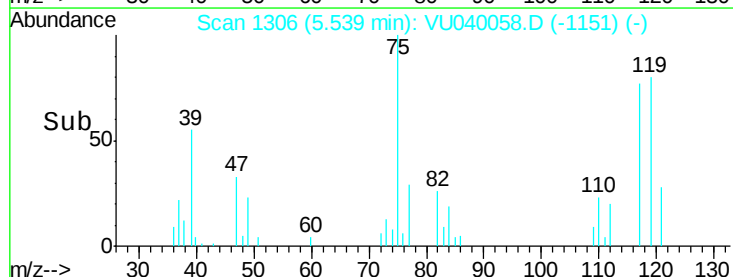
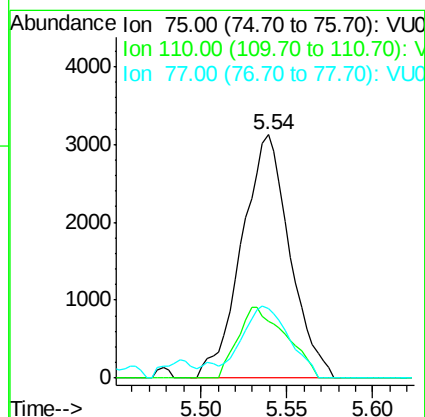
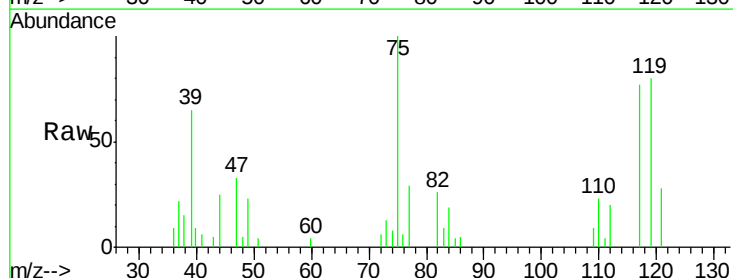
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

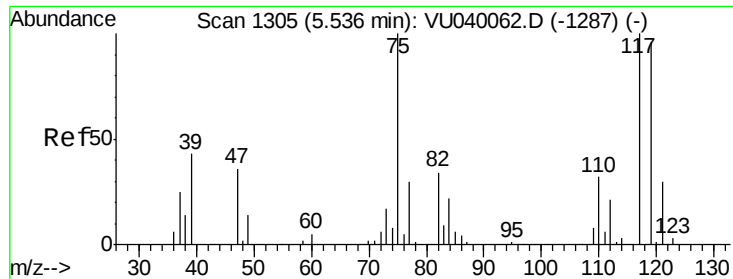
Tgt Ion: 97 Resp: 6605
 Ion Ratio Lower Upper
 97 100
 99 61.5 31.8 95.4
 61 48.3 25.1 75.2



#29
 1,1-Dichloropropene
 Concen: 0.452 ug/l
 RT: 5.54 min Scan# 1306
 Delta R.T. -0.00 min
 Lab File: VU040058.D
 Acq: 09 Sep 2020 10:31

Tgt Ion: 75 Resp: 6059
 Ion Ratio Lower Upper
 75 100
 110 29.2 16.2 48.6
 77 28.9 25.3 37.9

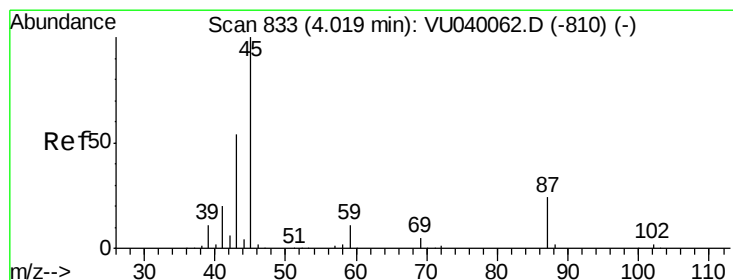
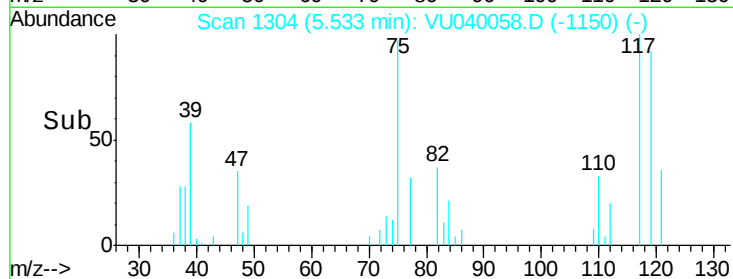
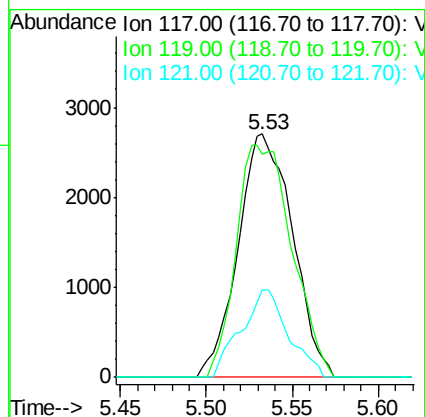
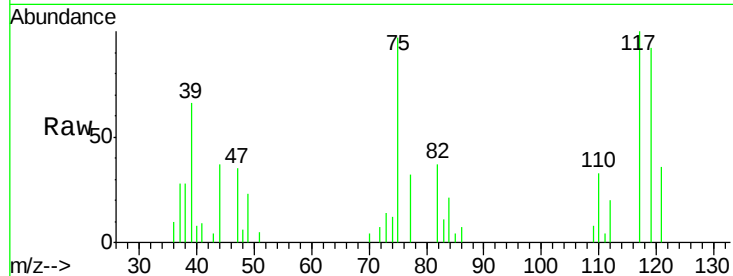




#30
Carbon Tetrachloride
Concen: 0.506 ug/l
RT: 5.53 min Scan# 1304
Delta R.T. -0.00 min
Lab File: VU040058.D
Acq: 09 Sep 2020 10:31

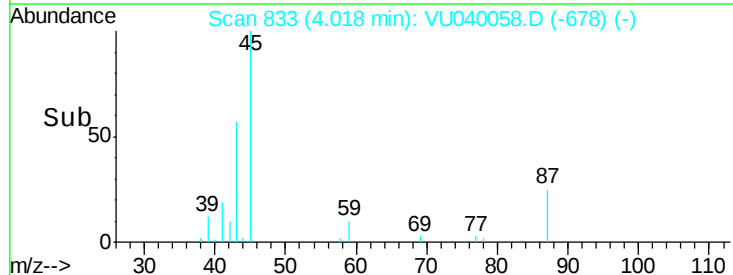
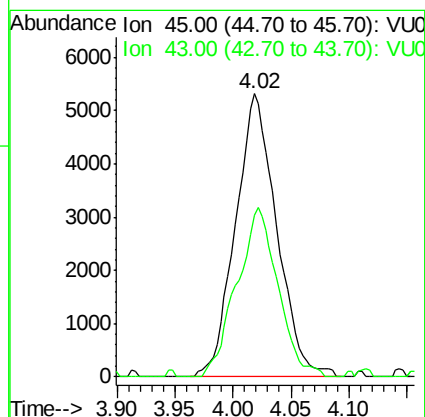
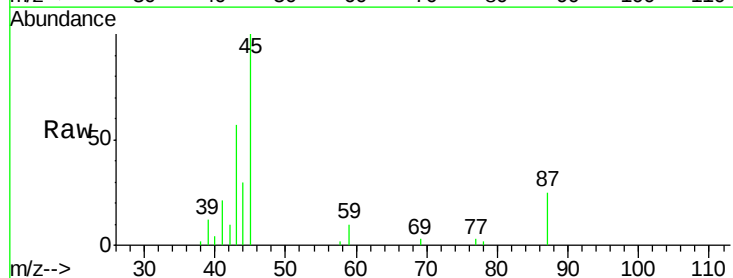
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

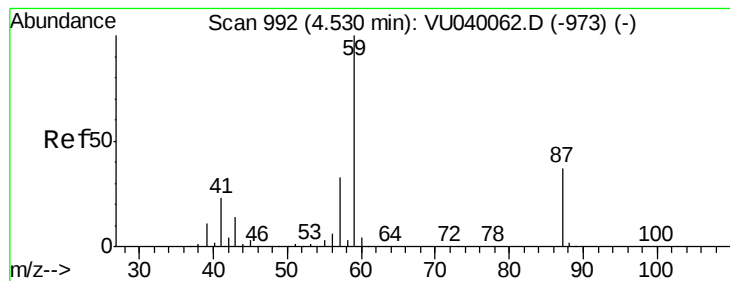
Tgt Ion:117 Resp: 5956
Ion Ratio Lower Upper
117 100
119 91.9 77.0 115.4
121 36.0 24.2 36.4



#31
Isopropyl Ether
Concen: 0.395 ug/l
RT: 4.02 min Scan# 833
Delta R.T. -0.00 min
Lab File: VU040058.D
Acq: 09 Sep 2020 10:31

Tgt Ion: 45 Resp: 13086
Ion Ratio Lower Upper
45 100
43 60.0 27.9 83.7





#32

Ethyl-t-butyl ether

Concen: 0.417 ug/l

RT: 4.53 min Scan# 991

Delta R.T. -0.00 min

Lab File: VU040058.D

Acq: 09 Sep 2020 10:31

Instrument :

MSVOA_U

ClientSampleId :

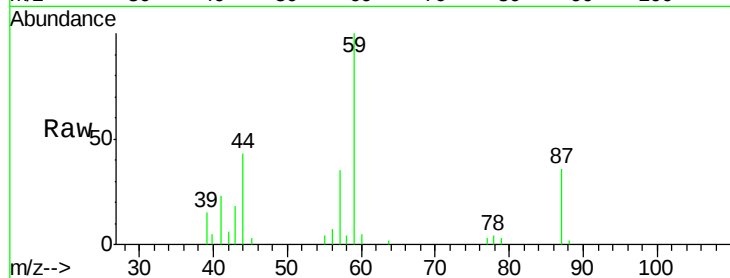
VSTDIC0.5

Tgt Ion: 59 Resp: 11857

Ion Ratio Lower Upper

59 100

87 21.7 30.7 46.1#

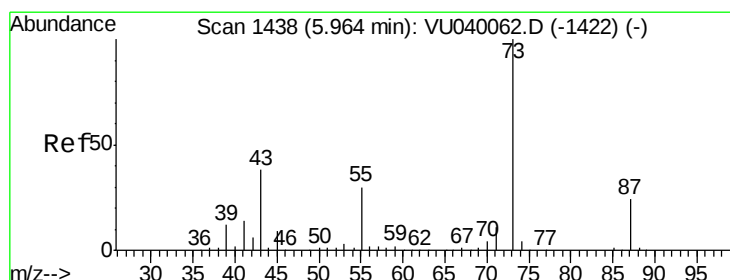
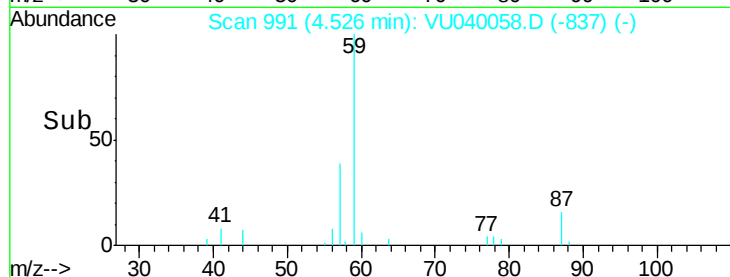
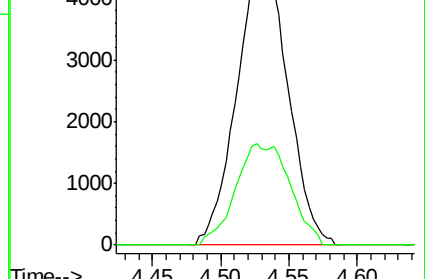


Abundance Ion 59.00 (58.70 to 59.70): VU040062.D (-973) (-)

Ion 87.00 (86.70 to 87.70): VU040062.D (-973) (-)

4.53

4.45 4.50 4.55 4.60



#33

Tert-Amyl methyl ether

Concen: 0.465 ug/l

RT: 5.97 min Scan# 1439

Delta R.T. 0.00 min

Lab File: VU040058.D

Acq: 09 Sep 2020 10:31

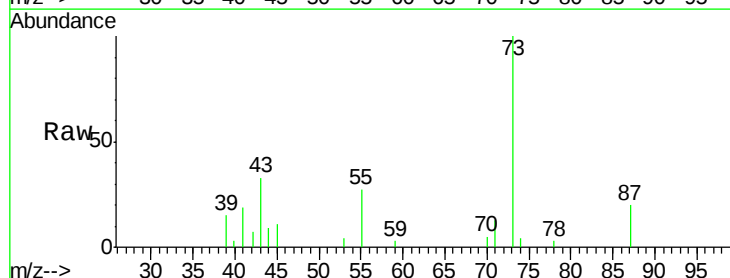
Tgt Ion: 73 Resp: 9802

Ion Ratio Lower Upper

73 100

87 14.0 19.4 29.0#

71 7.8 9.2 13.8#



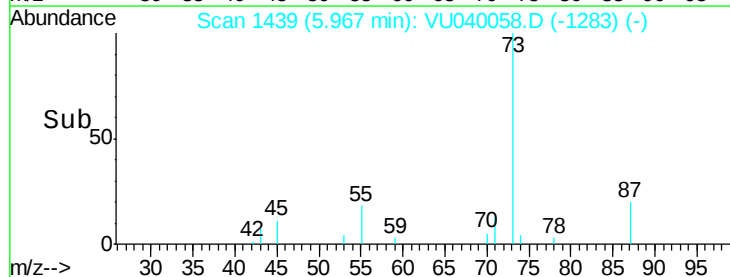
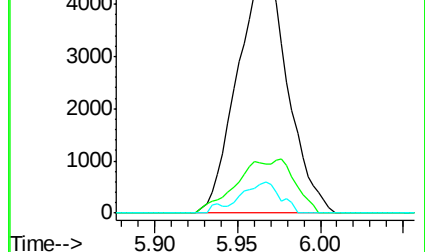
Abundance Ion 73.00 (72.70 to 73.70): VU040062.D (-1422) (-)

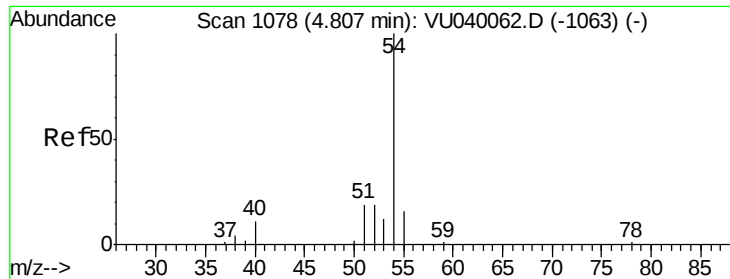
Ion 87.00 (86.70 to 87.70): VU040062.D (-1422) (-)

Ion 71.00 (70.70 to 71.70): VU040062.D (-1422) (-)

5.97

5.90 5.95 6.00

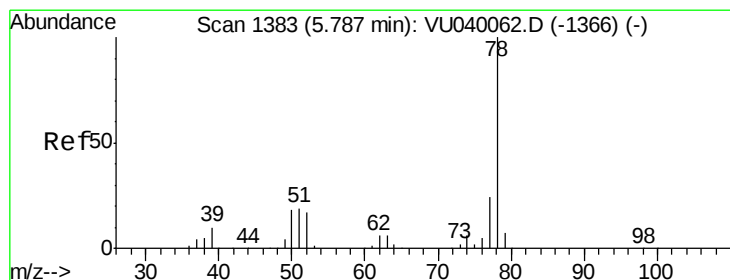
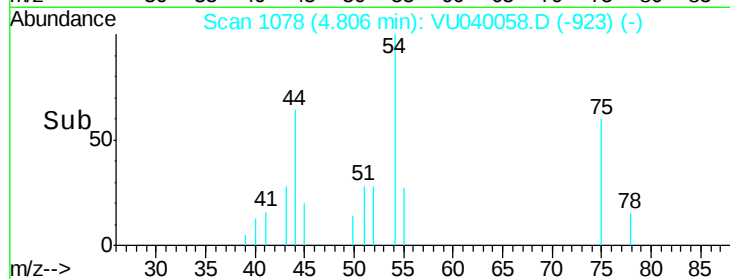
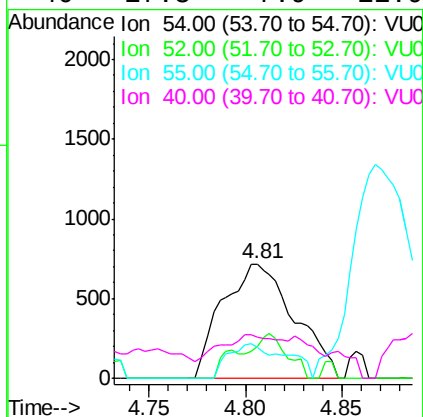
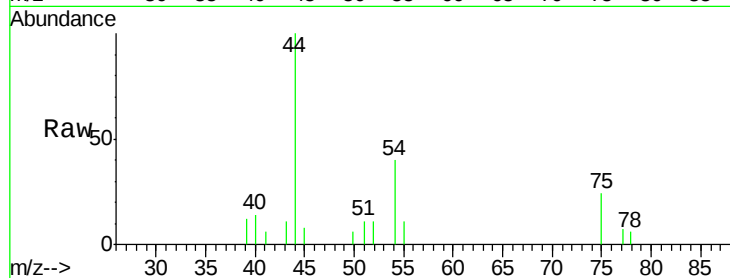




#34
 Propionitrile
 Concen: 1.856 ug/l
 RT: 4.81 min Scan# 1078
 Delta R.T. -0.00 min
 Lab File: VU040058.D
 Acq: 09 Sep 2020 10:31

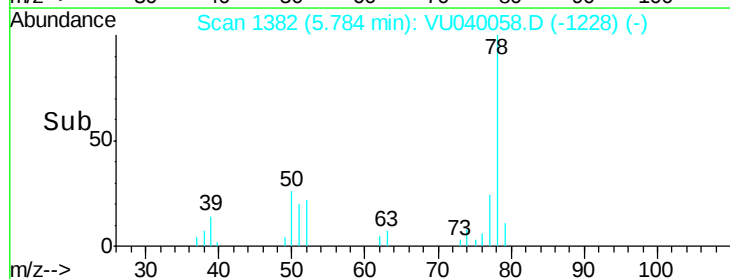
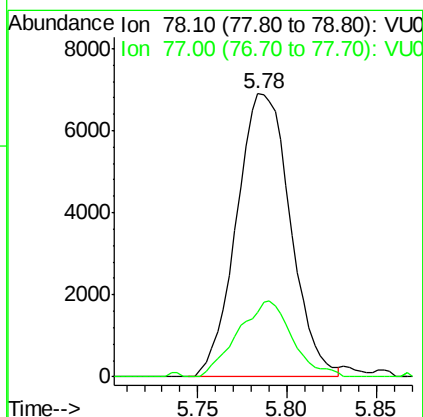
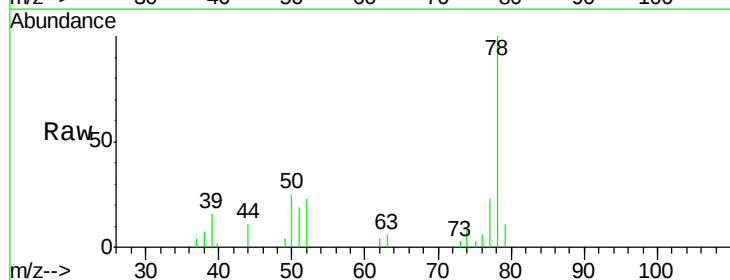
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

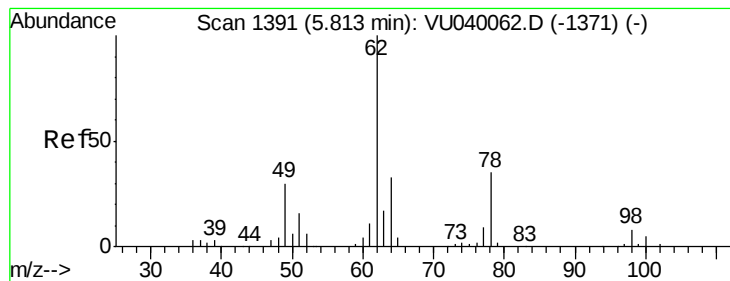
Tgt Ion: 54 Resp: 1853
 Ion Ratio Lower Upper
 54 100
 52 17.6 16.2 24.4
 55 24.5 12.6 18.8#
 40 17.3 7.9 11.9#



#35
 Benzene
 Concen: 0.429 ug/l
 RT: 5.78 min Scan# 1382
 Delta R.T. -0.00 min
 Lab File: VU040058.D
 Acq: 09 Sep 2020 10:31

Tgt Ion: 78 Resp: 14508
 Ion Ratio Lower Upper
 78 100
 77 23.0 19.1 28.7





#36

1,2-Dichloroethane

Concen: 0.514 ug/l

RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VU040058.D

Acq: 09 Sep 2020 10:31

Instrument :

MSVOA_U

ClientSampleId :

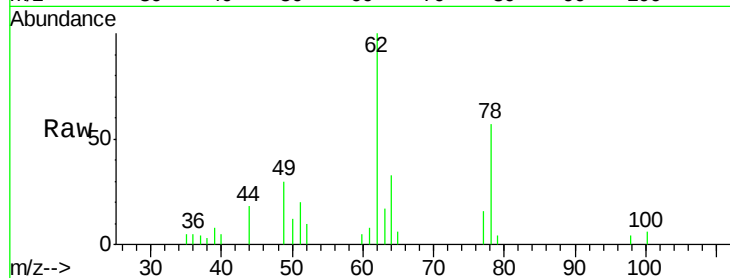
VSTDIC0.5

Tgt Ion: 62 Resp: 6528

Ion Ratio Lower Upper

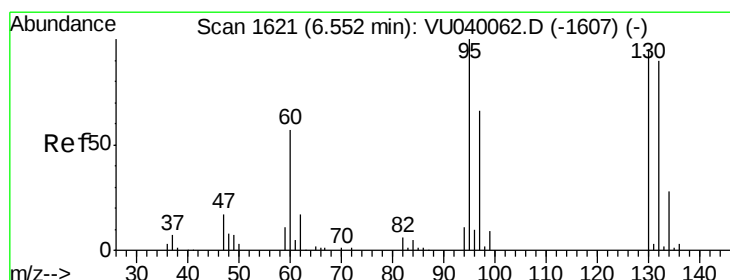
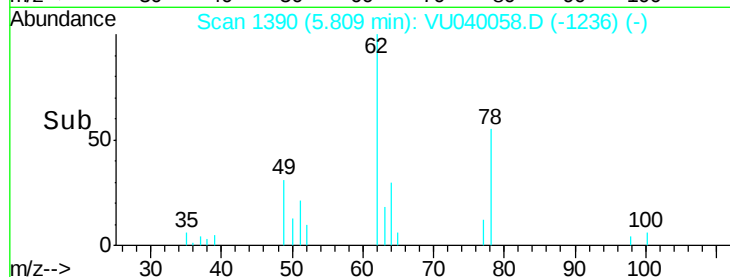
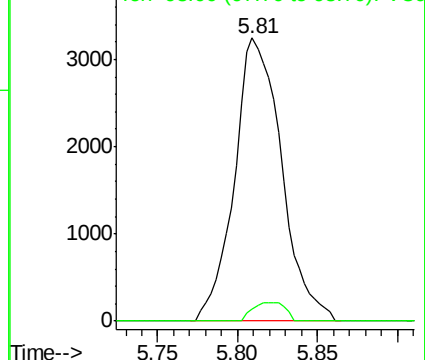
62 100

98 4.5 6.5 9.7#



Abundance Ion 62.00 (61.70 to 62.70): VU040062.D (-1371) (-)

Ion 98.00 (97.70 to 98.70): VU040062.D (-1371) (-)



#37

Trichloroethene

Concen: 0.517 ug/l

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU040058.D

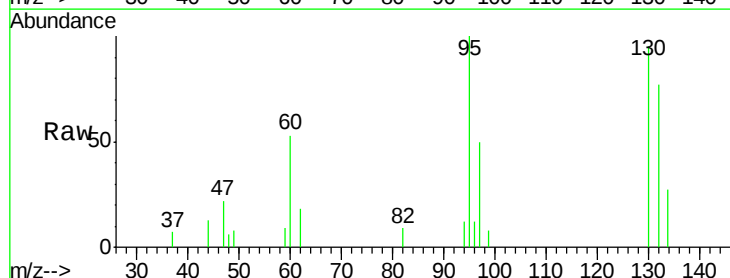
Acq: 09 Sep 2020 10:31

Tgt Ion: 130 Resp: 4043

Ion Ratio Lower Upper

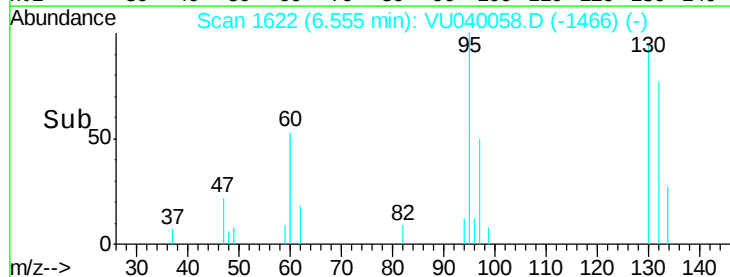
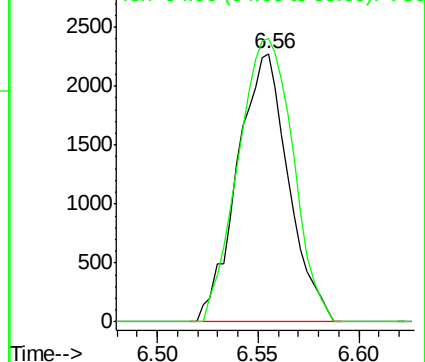
130 100

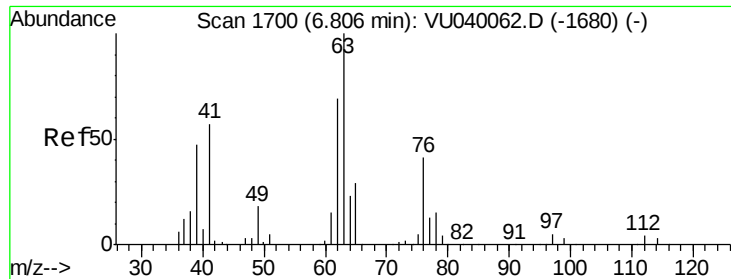
95 105.5 84.2 126.2



Abundance Ion 129.90 (129.60 to 130.60): VU040062.D (-1607) (-)

Ion 94.90 (94.60 to 95.60): VU040062.D (-1607) (-)





#38

1,2-Dichloropropane

Concen: 0.484 ug/l

RT: 6.81 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VU040058.D

Acq: 09 Sep 2020 10:31

Instrument :

MSVOA_U

ClientSampleId :

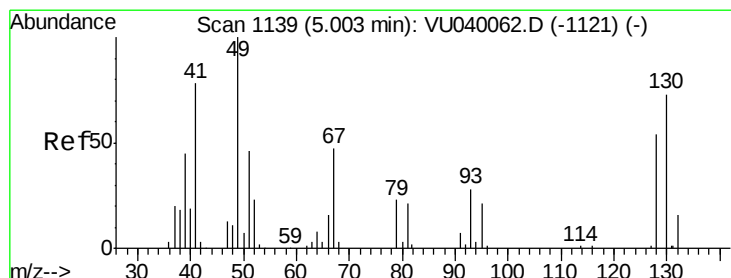
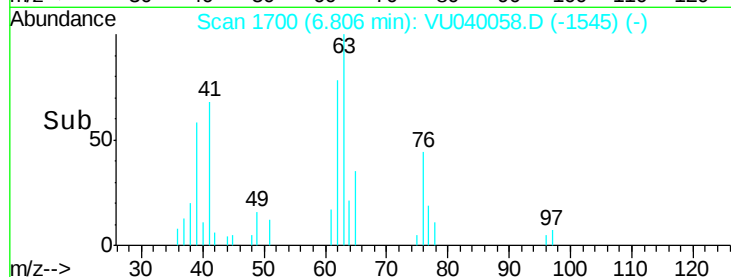
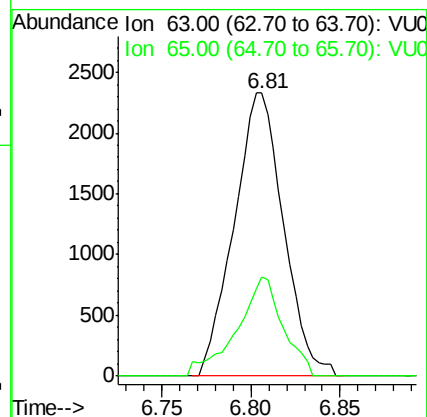
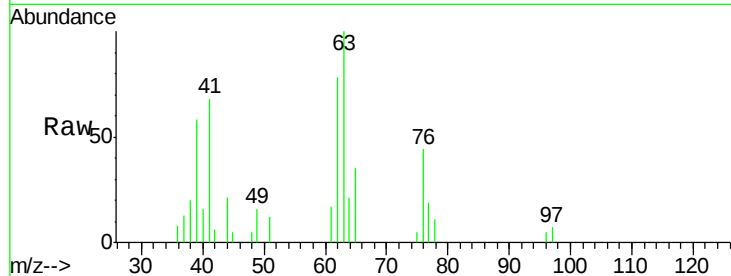
VSTDIC0.5

Tgt Ion: 63 Resp: 4501

Ion Ratio Lower Upper

63 100

65 35.2 23.0 34.6#



#39

Methacrylonitrile

Concen: 0.472 ug/l

RT: 5.01 min Scan# 1140

Delta R.T. 0.00 min

Lab File: VU040058.D

Acq: 09 Sep 2020 10:31

Tgt Ion: 41 Resp: 2500

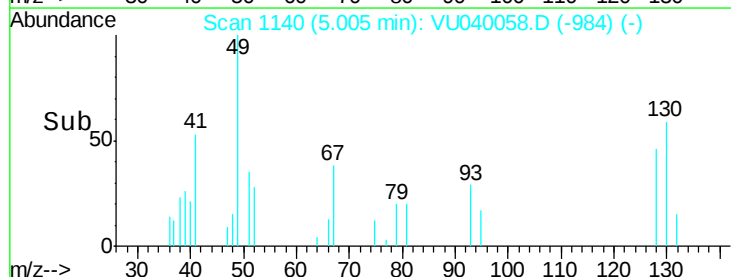
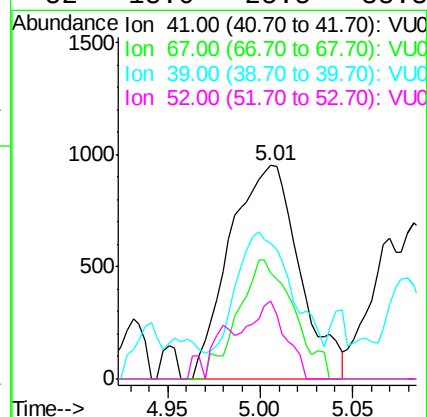
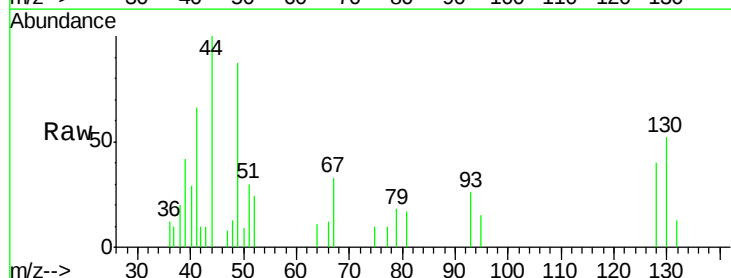
Ion Ratio Lower Upper

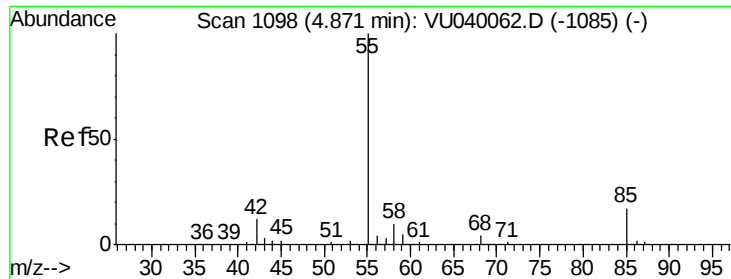
41 100

67 44.5 49.2 73.8#

39 43.4 46.5 69.7#

52 18.0 25.5 38.3#

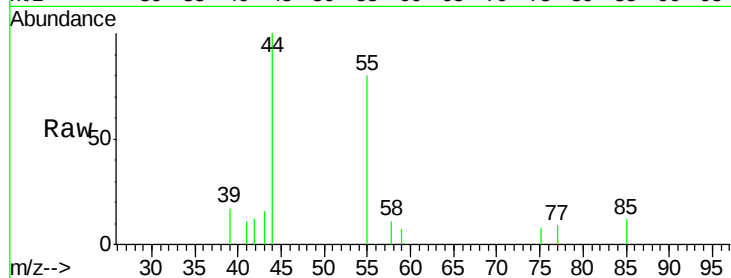




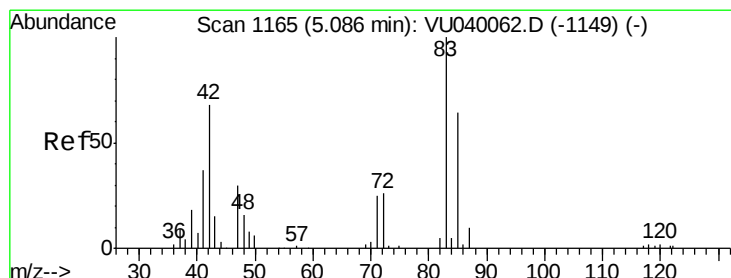
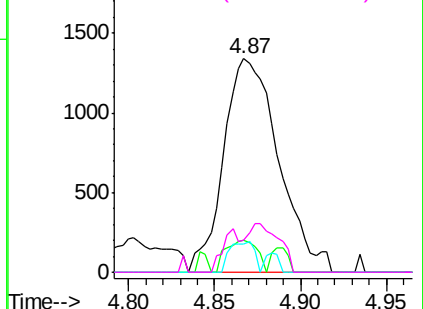
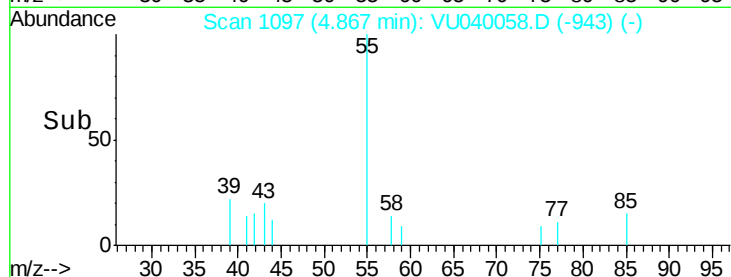
#40
Methyl acrylate
Concen: 0.441 ug/l
RT: 4.87 min Scan# 1097
Delta R.T. -0.00 min
Lab File: VU040058.D
Acq: 09 Sep 2020 10:31

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion:	55	Resp:	2991
Ion	Ratio	Lower	Upper
55	100		
85	8.5	13.3	19.9#
58	6.4	7.5	11.3#
42	12.4	8.9	13.3

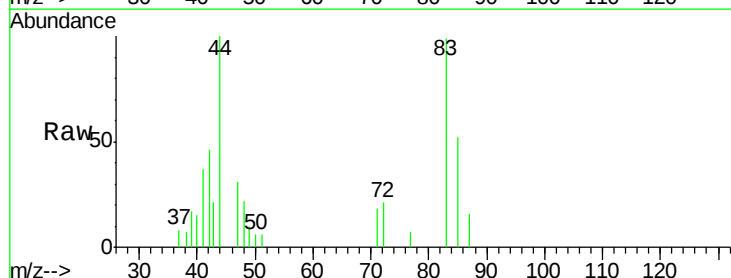


Abundance Ion 55.00 (54.70 to 55.70): VU040058.D (-943) (-)
Ion 85.00 (84.70 to 85.70): VU040058.D (-943) (-)
Ion 58.00 (57.70 to 58.70): VU040058.D (-943) (-)
Ion 42.00 (41.70 to 42.70): VU040058.D (-943) (-)

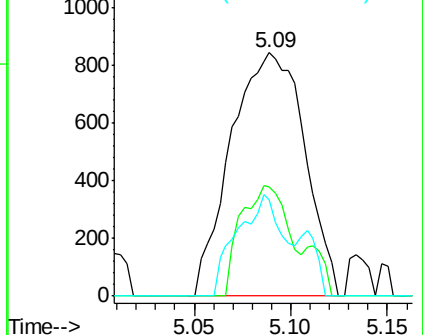
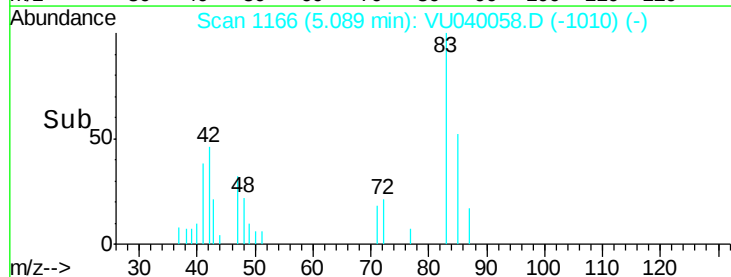


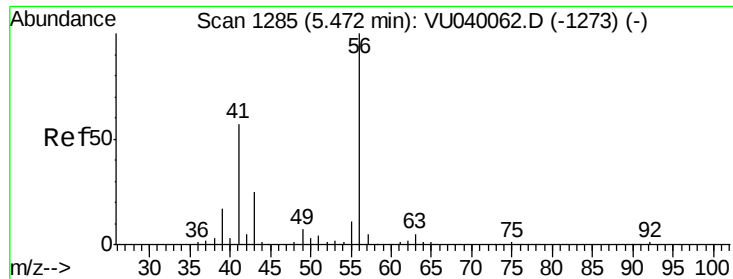
#41
Tetrahydrofuran
Concen: 0.841 ug/l
RT: 5.09 min Scan# 1166
Delta R.T. 0.00 min
Lab File: VU040058.D
Acq: 09 Sep 2020 10:31

Tgt Ion:	42	Resp:	2224
Ion	Ratio	Lower	Upper
42	100		
72	29.1	33.8	50.6#
71	26.4	30.9	46.3#



Abundance Ion 42.00 (41.70 to 42.70): VU040058.D (-1010) (-)
Ion 72.00 (71.70 to 72.70): VU040058.D (-1010) (-)
Ion 71.00 (70.70 to 71.70): VU040058.D (-1010) (-)

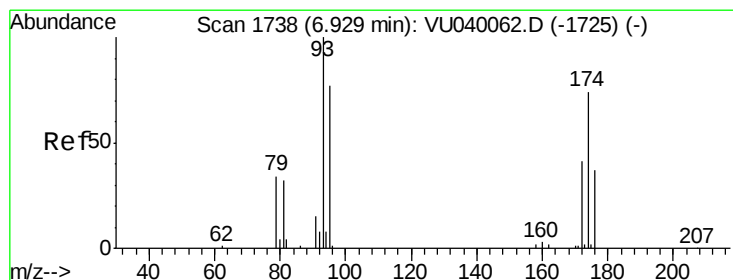
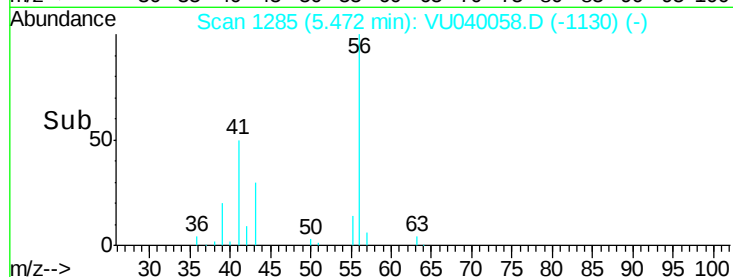
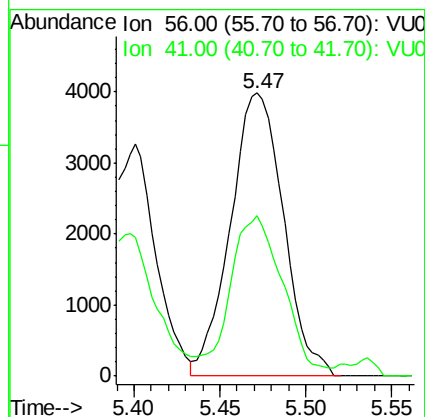
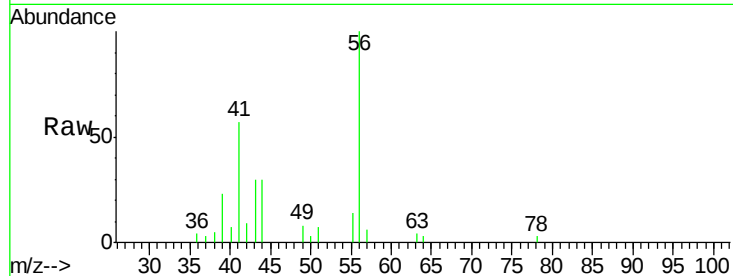




#42
1-Chlorobutane
Concen: 0.408 ug/l
RT: 5.47 min Scan# 1285
Delta R.T. -0.00 min
Lab File: VU040058.D
Acq: 09 Sep 2020 10:31

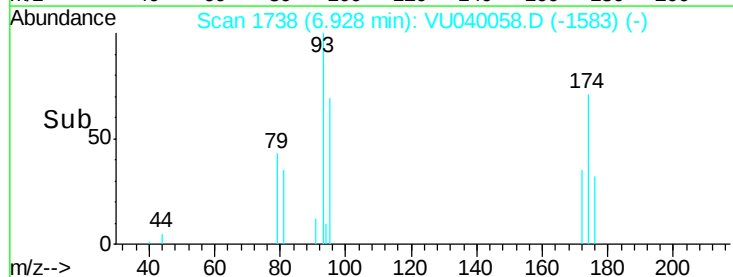
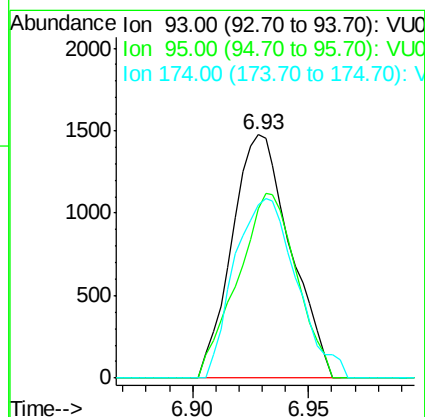
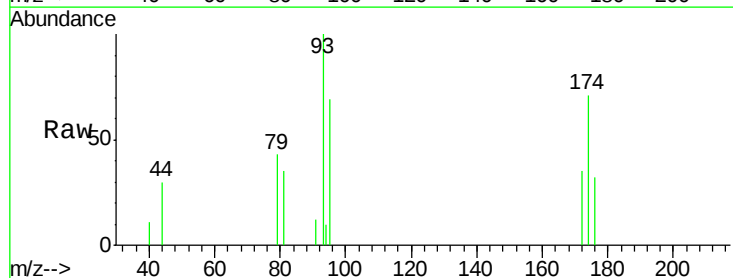
Instrument :
MSVOA_U
ClientSampled :
VSTDIC0.5

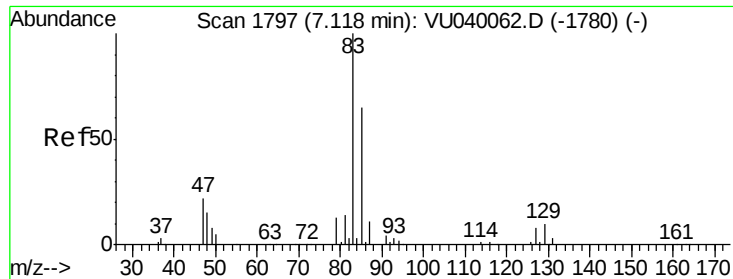
Tgt Ion: 56 Resp: 8533
Ion Ratio Lower Upper
56 100
41 55.7 29.2 87.6



#43
Dibromomethane
Concen: 0.509 ug/l
RT: 6.93 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VU040058.D
Acq: 09 Sep 2020 10:31

Tgt Ion: 93 Resp: 2584
Ion Ratio Lower Upper
93 100
95 76.5 63.3 94.9
174 78.5 63.5 95.3





#44

Bromodichloromethane

Concen: 0.550 ug/l

RT: 7.11 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VU040058.D

Acq: 09 Sep 2020 10:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

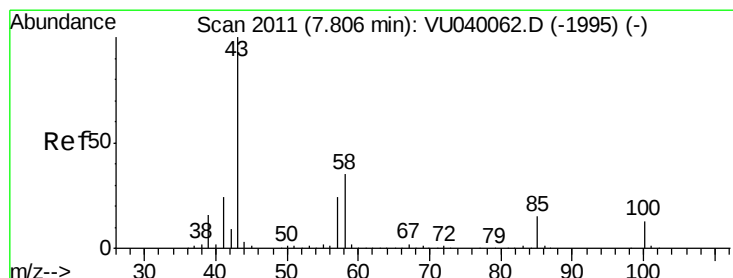
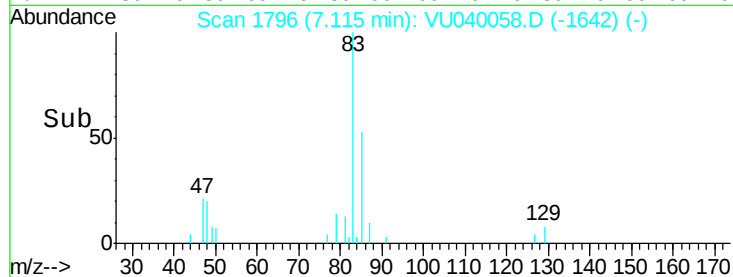
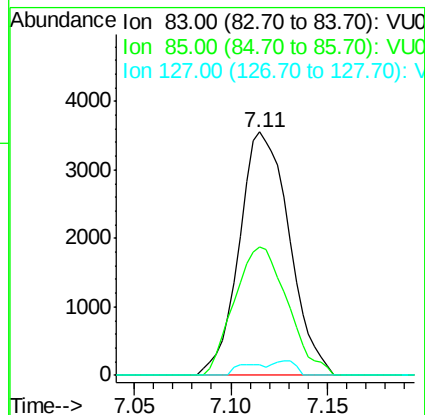
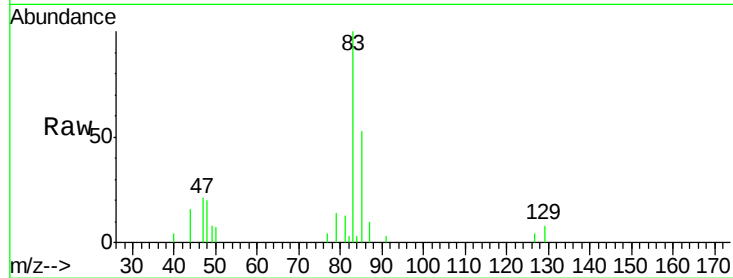
Tgt Ion: 83 Resp: 6387

Ion Ratio Lower Upper

83 100

85 52.8 52.1 78.1

127 4.3 6.6 9.8#



#45

4-Methyl-2-Pentanone

Concen: 2.157 ug/l

RT: 7.81 min Scan# 2012

Delta R.T. 0.00 min

Lab File: VU040058.D

Acq: 09 Sep 2020 10:31

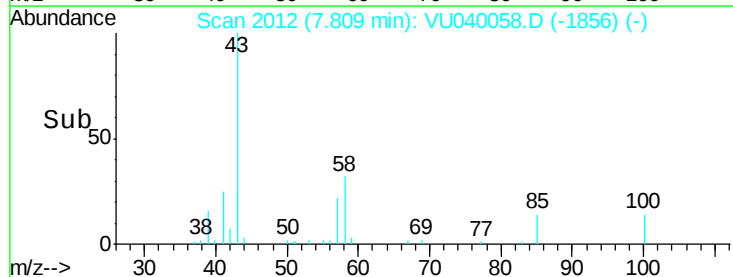
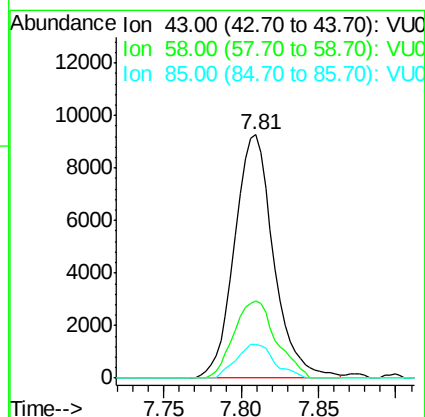
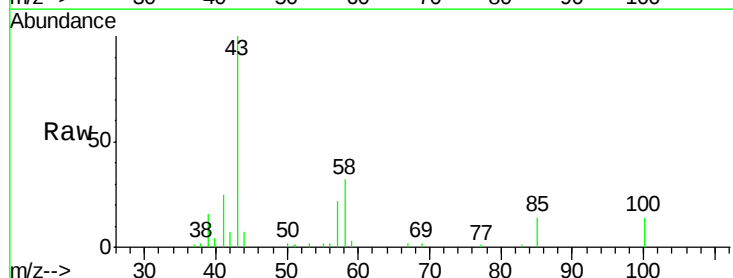
Tgt Ion: 43 Resp: 16302

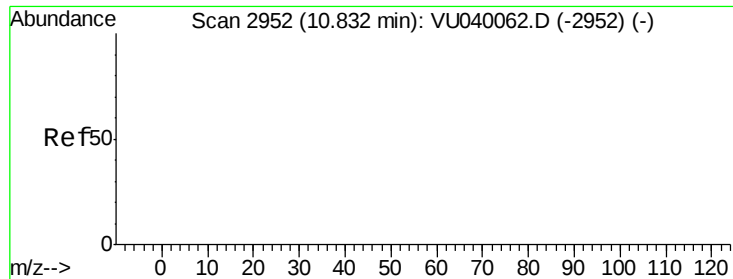
Ion Ratio Lower Upper

43 100

58 34.0 18.1 54.3

85 13.5 12.3 18.5

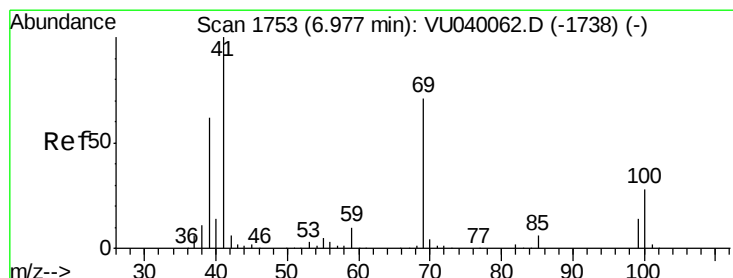
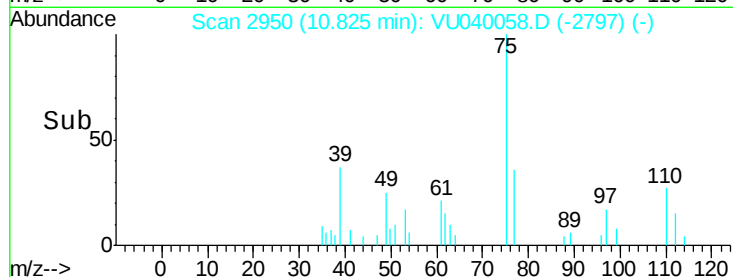
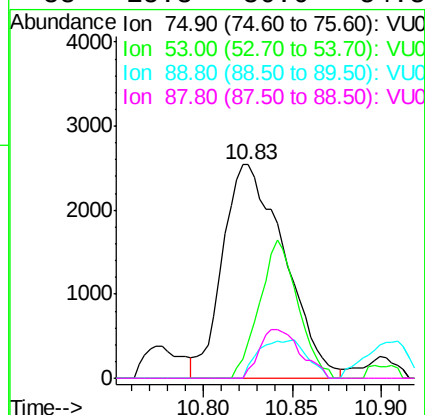
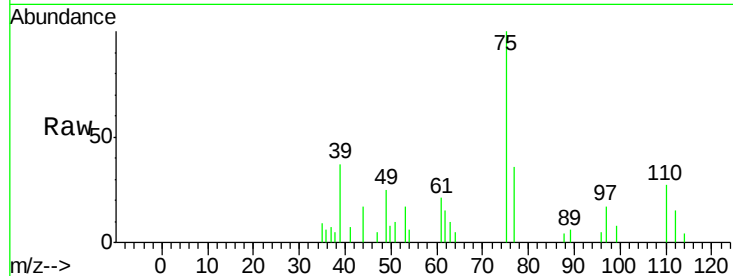




#46
t-1,4-Dichloro-2-butene
Concen: 2.557 ug/l
RT: 10.83 min Scan# 2950
Delta R.T. -0.01 min
Lab File: VU040058.D
Acq: 09 Sep 2020 10:31

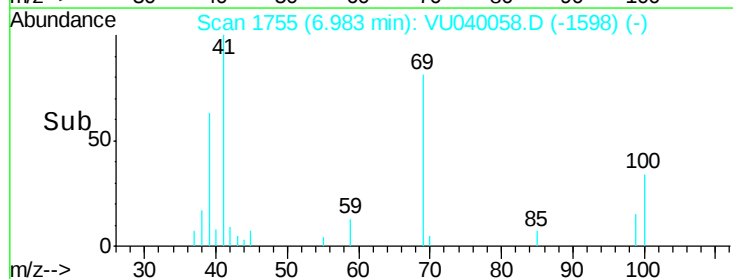
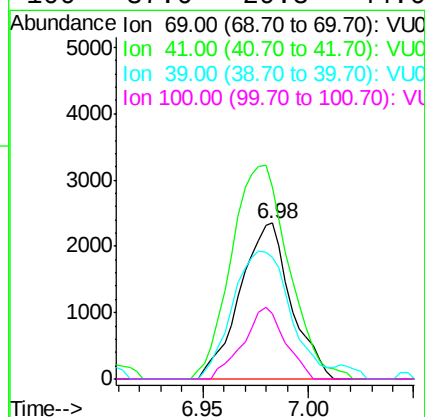
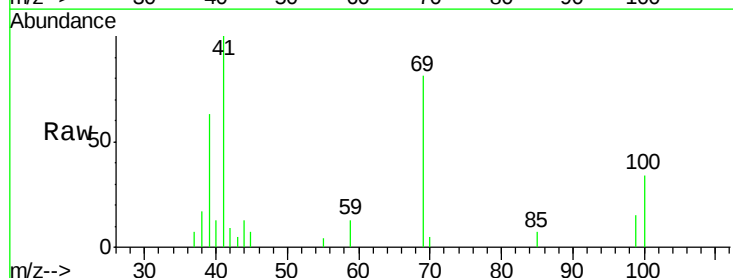
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

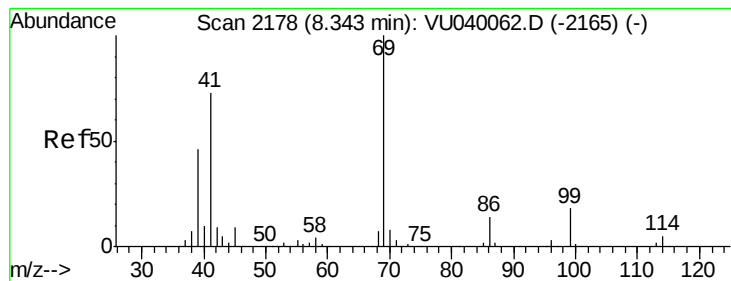
Tgt Ion: 75 Resp: 6125
Ion Ratio Lower Upper
75 100
53 40.3 75.0 112.6#
89 14.1 41.6 62.4#
88 15.3 36.6 54.8#



#47
Methyl methacrylate
Concen: 0.846 ug/l
RT: 6.98 min Scan# 1755
Delta R.T. 0.01 min
Lab File: VU040058.D
Acq: 09 Sep 2020 10:31

Tgt Ion: 69 Resp: 3946
Ion Ratio Lower Upper
69 100
41 154.7 0.0 273.0
39 92.3 67.8 101.6
100 37.6 29.8 44.6





#48

Ethyl methacrylate

Concen: 0.415 ug/l

RT: 8.34 min Scan# 2178

Delta R.T. -0.00 min

Lab File: VU040058.D

Acq: 09 Sep 2020 10:31

Instrument :

MSVOA_U

ClientSampleId :

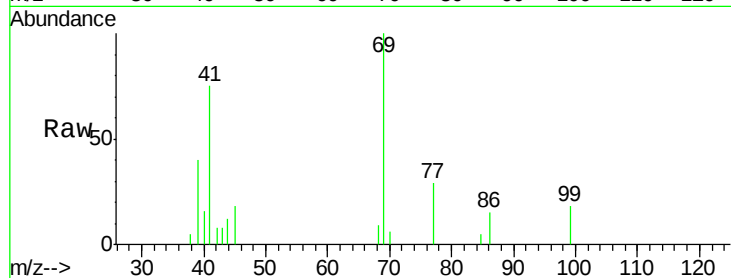
VSTDIC0.5

Tgt Ion: 69 Resp: 3562

Ion Ratio Lower Upper

69 100

41 80.8 37.8 113.3



Abundance Ion 69.00 (68.70 to 69.70): VU040062.D (-2165) (-)

Ion 41.00 (40.70 to 41.70): VU040062.D (-2165) (-)

8.34

2500

2000

1500

1000

500

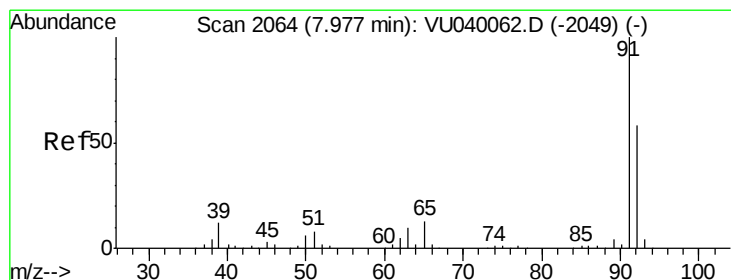
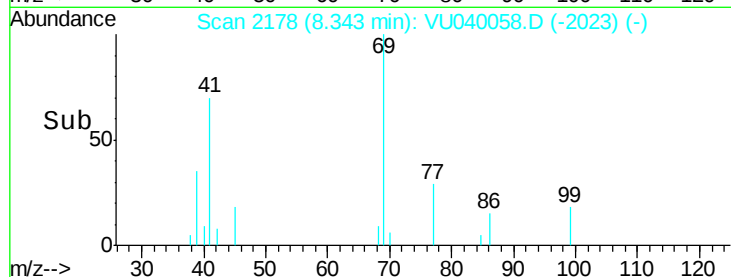
0

8.30

8.35

8.40

Time-->



#49

Toluene

Concen: 0.434 ug/l

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU040058.D

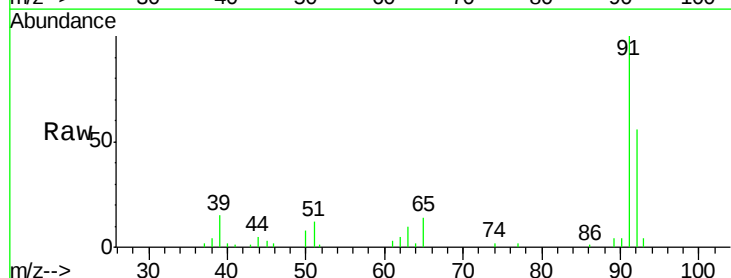
Acq: 09 Sep 2020 10:31

Tgt Ion: 92 Resp: 8678

Ion Ratio Lower Upper

92 100

91 167.2 138.6 207.8



Abundance Ion 92.00 (91.70 to 92.70): VU040062.D (-2049) (-)

Ion 91.00 (90.70 to 91.70): VU040062.D (-2049) (-)

7.98

10000

8000

6000

4000

2000

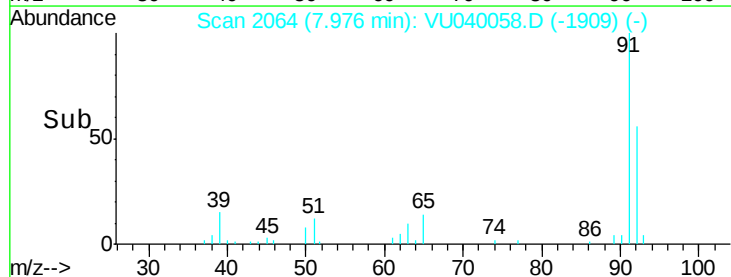
0

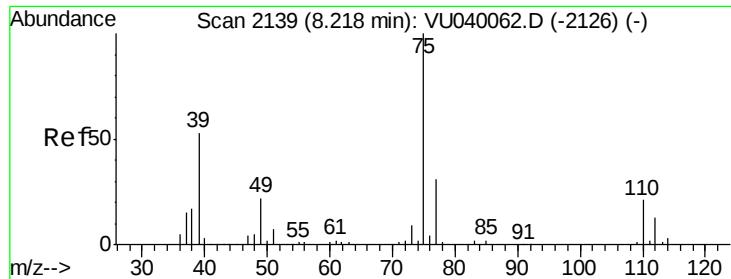
7.90

7.95

8.00

Time-->

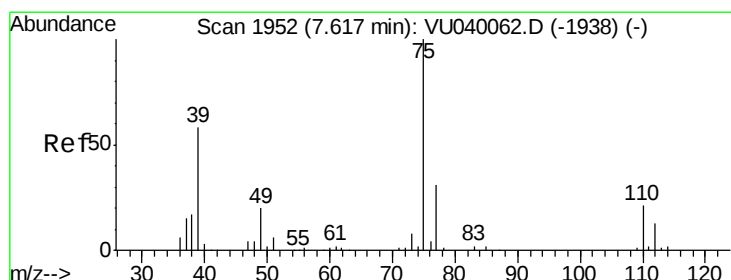
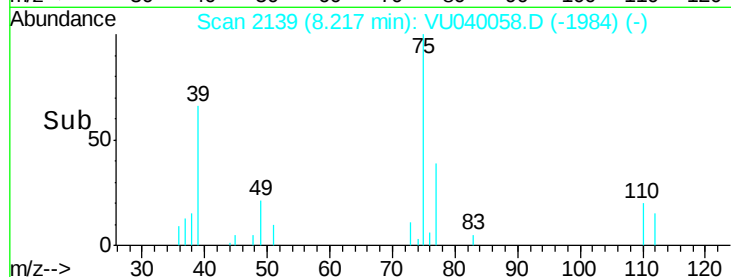
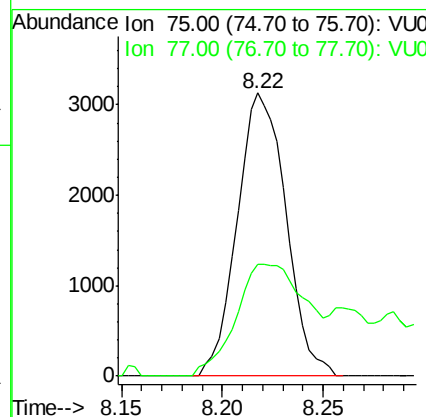
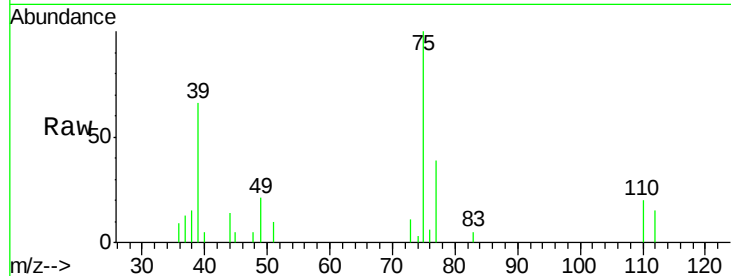




#50
 t-1,3-Dichloropropene
 Concen: 0.508 ug/l
 RT: 8.22 min Scan# 2139
 Delta R.T. -0.00 min
 Lab File: VU040058.D
 Acq: 09 Sep 2020 10:31

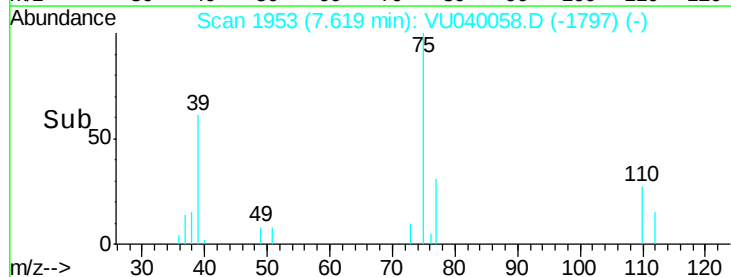
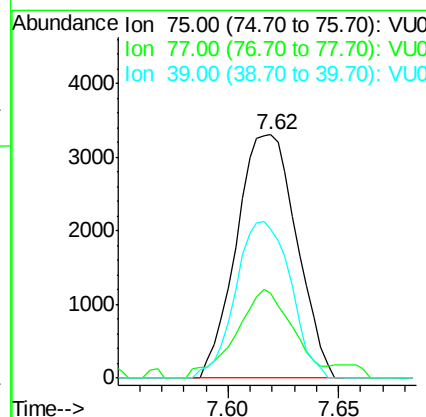
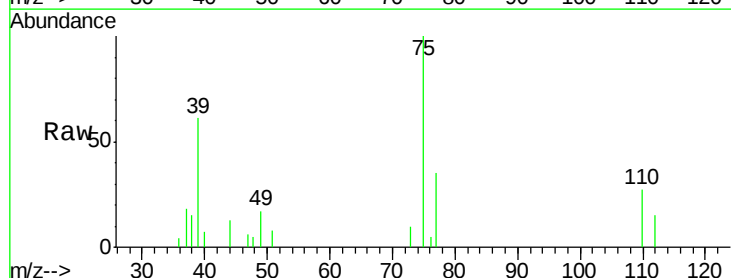
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

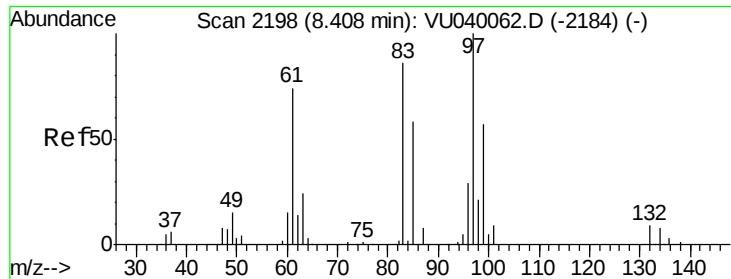
Tgt Ion: 75 Resp: 5309
 Ion Ratio Lower Upper
 75 100
 77 39.3 24.4 36.6#



#51
 cis-1,3-Dichloropropene
 Concen: 0.509 ug/l
 RT: 7.62 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VU040058.D
 Acq: 09 Sep 2020 10:31

Tgt Ion: 75 Resp: 6235
 Ion Ratio Lower Upper
 75 100
 77 31.0 24.6 37.0
 39 61.2 46.2 69.4

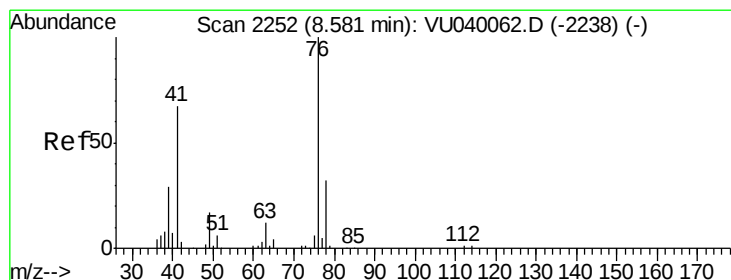
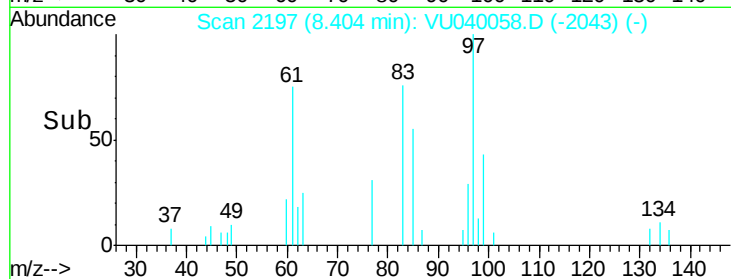
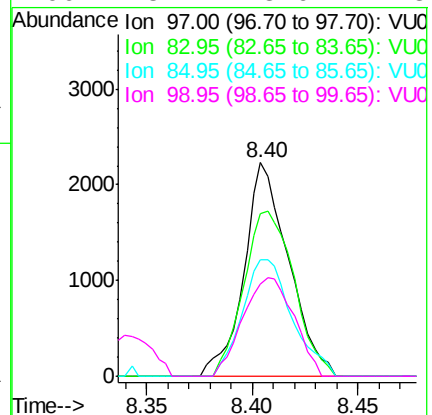
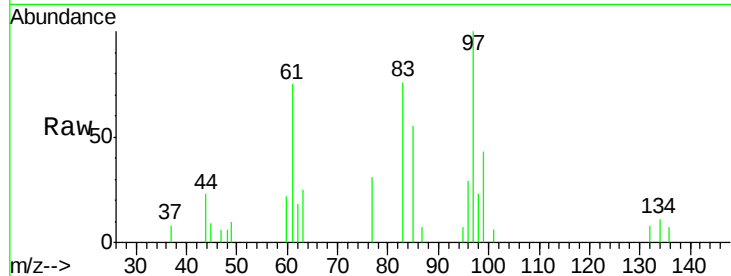




#52
 1,1,2-Trichloroethane
 Concen: 0.498 ug/l
 RT: 8.40 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VU040058.D
 Acq: 09 Sep 2020 10:31

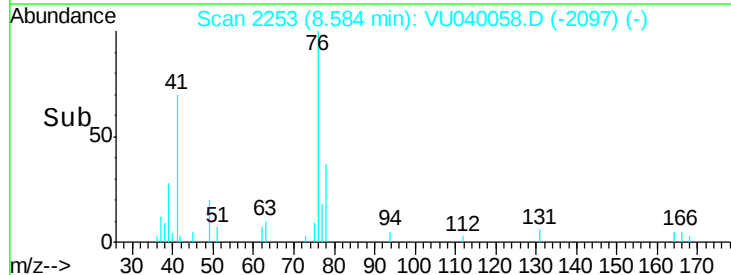
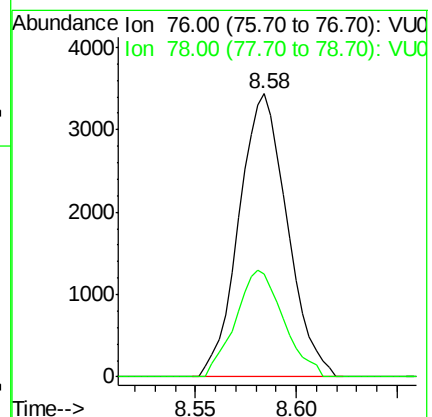
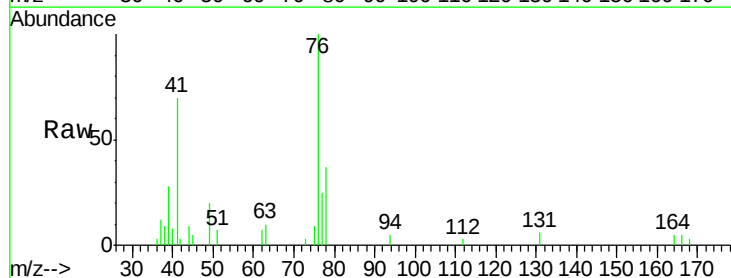
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

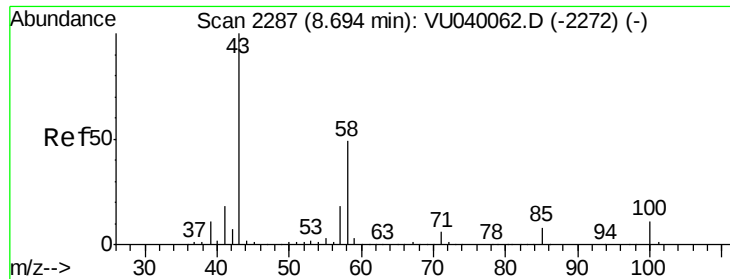
Tgt Ion: 97 Resp: 3277
 Ion Ratio Lower Upper
 97 100
 83 76.4 68.7 103.1
 85 54.7 46.7 70.1
 99 43.1 48.6 72.8#



#53
 1,3-Dichloropropane
 Concen: 0.460 ug/l
 RT: 8.58 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VU040058.D
 Acq: 09 Sep 2020 10:31

Tgt Ion: 76 Resp: 5752
 Ion Ratio Lower Upper
 76 100
 78 37.4 26.2 39.2

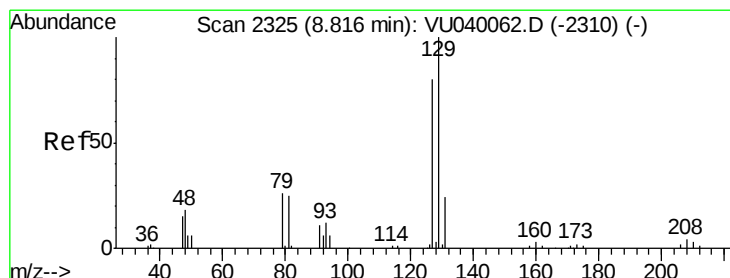
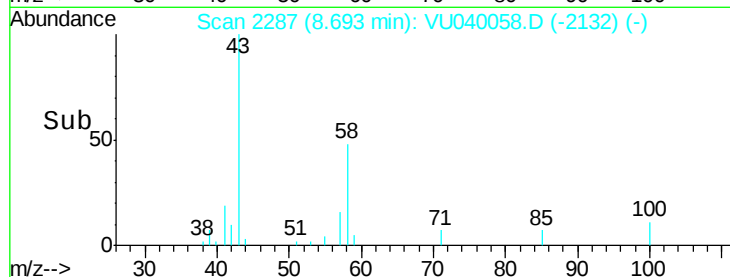
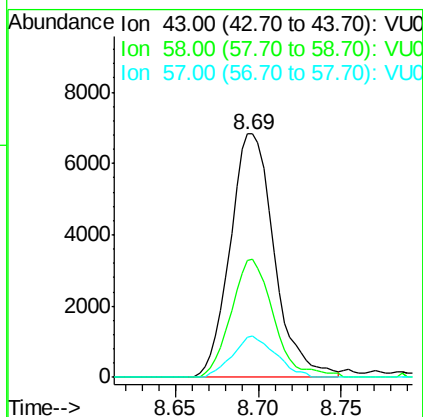
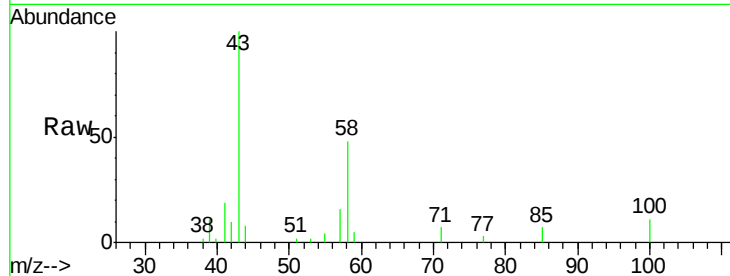




#54
2-Hexanone
Concen: 2.337 ug/l
RT: 8.69 min Scan# 2287
Delta R.T. -0.00 min
Lab File: VU040058.D
Acq: 09 Sep 2020 10:31

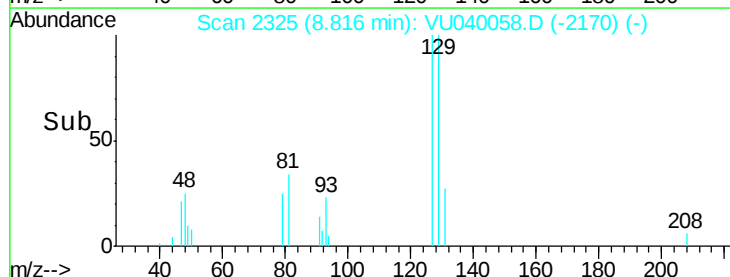
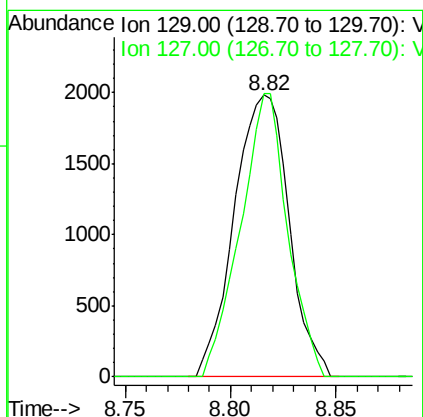
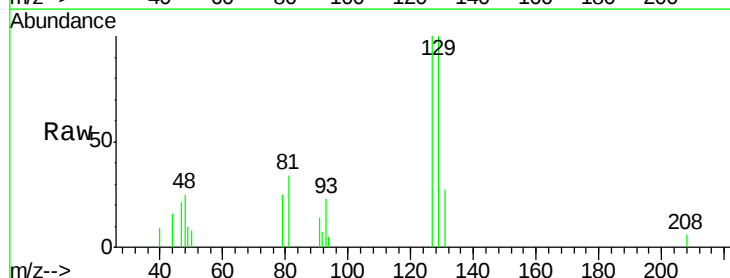
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

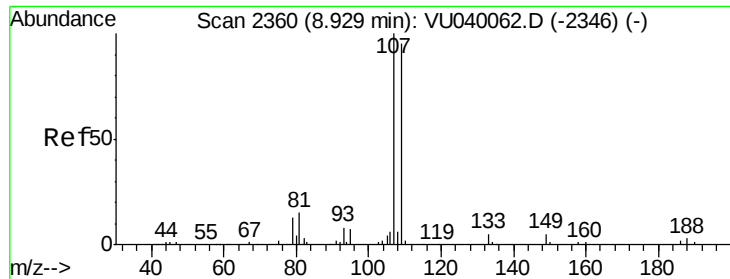
Tgt Ion: 43 Resp: 12651
Ion Ratio Lower Upper
43 100
58 46.7 29.6 69.6
57 16.6 0.0 37.8



#55
Dibromochloromethane
Concen: 0.502 ug/l
RT: 8.82 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VU040058.D
Acq: 09 Sep 2020 10:31

Tgt Ion: 129 Resp: 3575
Ion Ratio Lower Upper
129 100
127 86.6 62.7 94.1

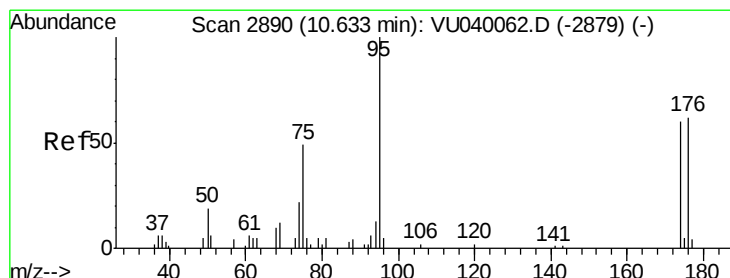
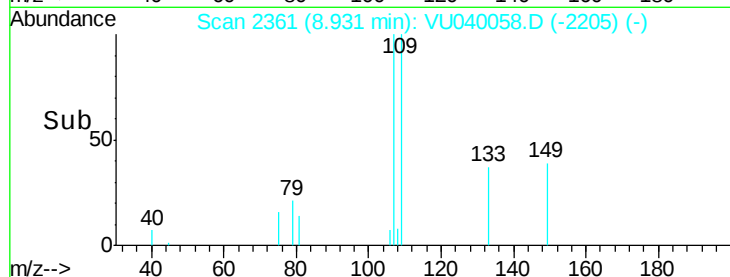
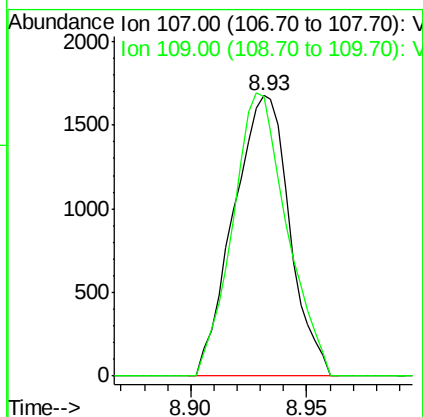
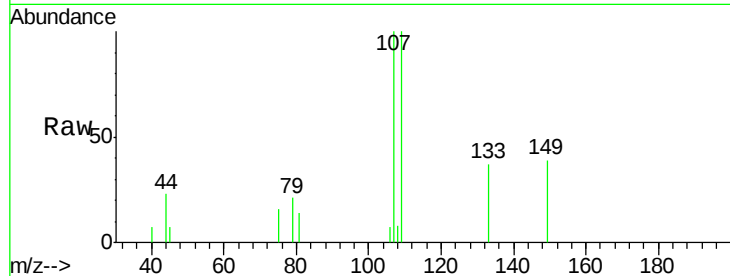




#56
1,2-Dibromoethane
Concen: 0.447 ug/l
RT: 8.93 min Scan# 2361
Delta R.T. 0.00 min
Lab File: VU040058.D
Acq: 09 Sep 2020 10:31

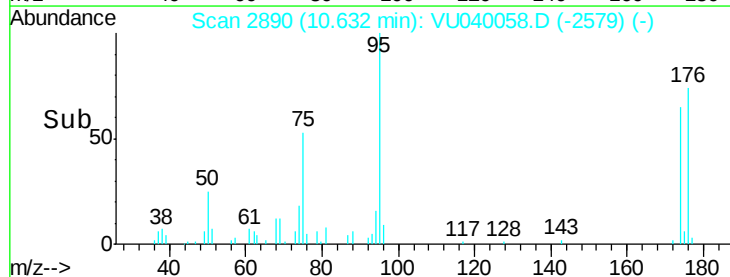
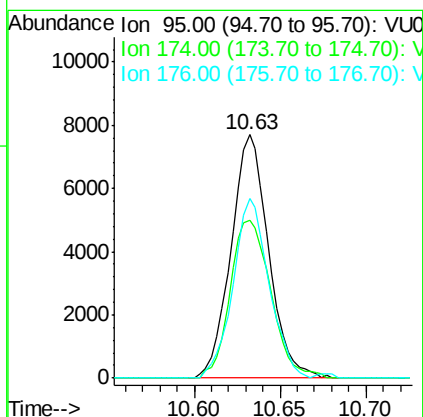
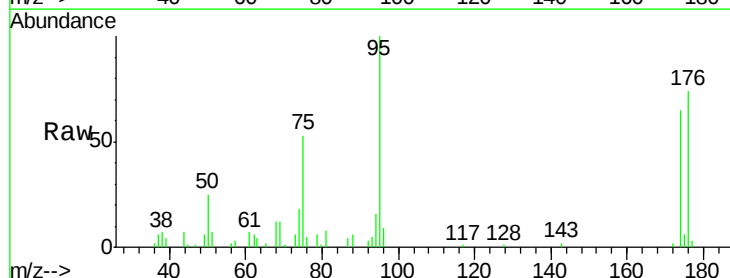
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

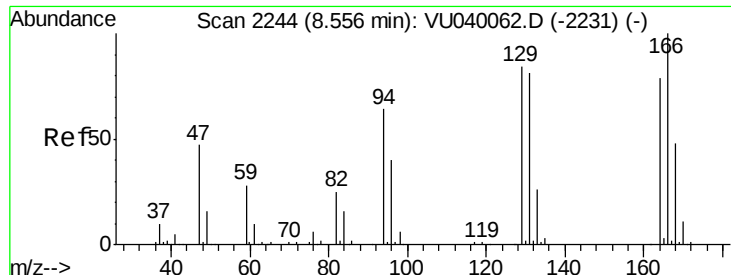
Tgt Ion: 107 Resp: 2807
Ion Ratio Lower Upper
107 100
109 97.8 0.0 191.0



#57
4-Bromofluorobenzene
Concen: 1.083 ug/l
RT: 10.63 min Scan# 2890
Delta R.T. -0.00 min
Lab File: VU040058.D
Acq: 09 Sep 2020 10:31

Tgt Ion: 95 Resp: 11736
Ion Ratio Lower Upper
95 100
174 70.3 49.4 74.0
176 70.9 50.1 75.1





#58

Tetrachloroethene

Concen: 0.505 ug/l

RT: 8.56 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VU040058.D

Acq: 09 Sep 2020 10:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion:164 Resp: 3519

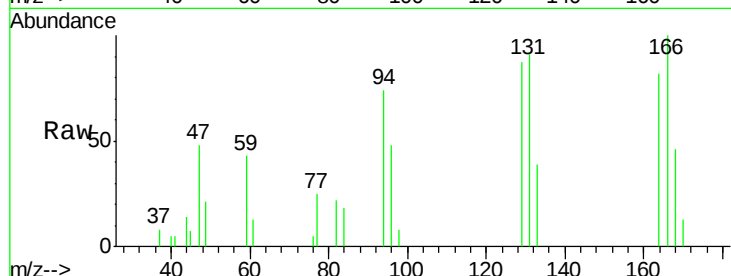
Ion Ratio Lower Upper

164 100

166 121.5 101.3 151.9

129 105.9 84.8 127.2

131 110.1 81.8 122.6

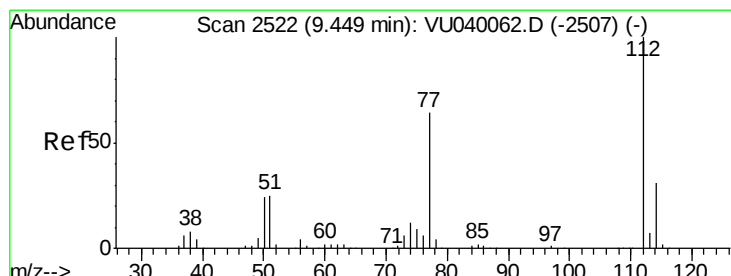
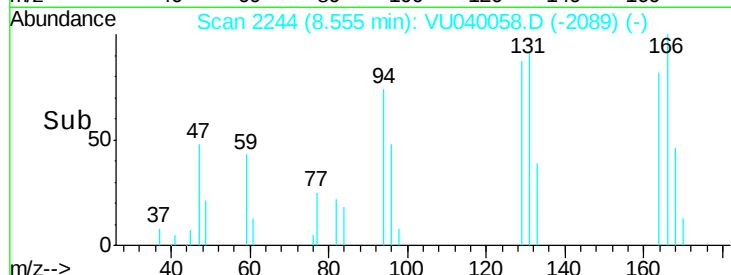
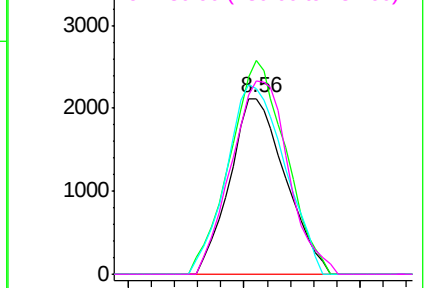


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#59

Chlorobenzene

Concen: 0.481 ug/l

RT: 9.45 min Scan# 2522

Delta R.T. -0.00 min

Lab File: VU040058.D

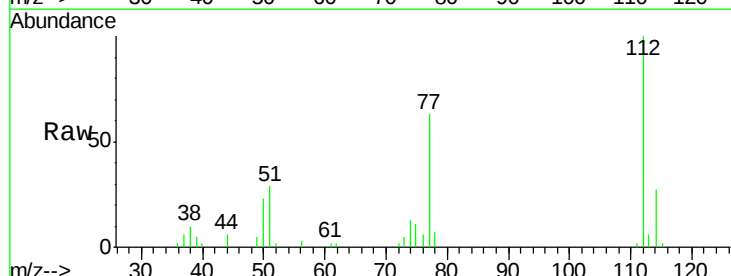
Acq: 09 Sep 2020 10:31

Tgt Ion:112 Resp: 10055

Ion Ratio Lower Upper

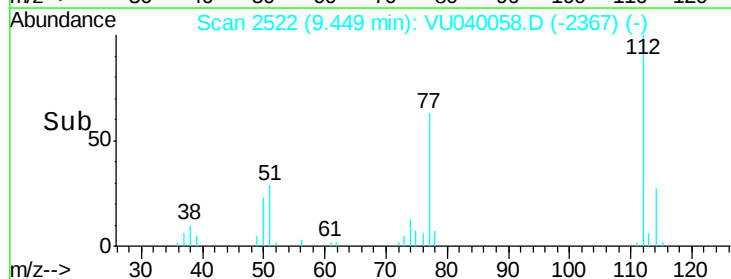
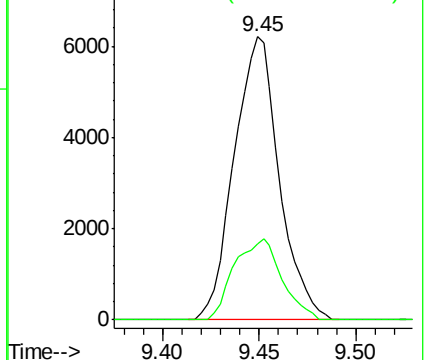
112 100

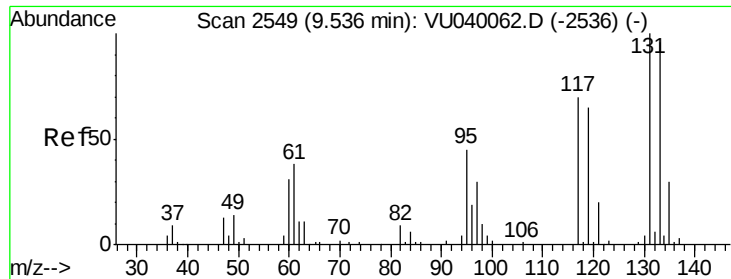
114 26.8 24.8 37.2



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V





#60

1,1,1,2-Tetrachloroethane

Concen: 0.522 ug/l

RT: 9.54 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VU040058.D

Acq: 09 Sep 2020 10:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

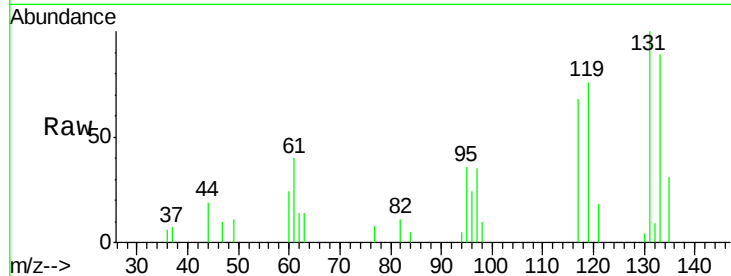
Tgt Ion:131 Resp: 3731

Ion Ratio Lower Upper

131 100

133 100.0 75.4 113.2

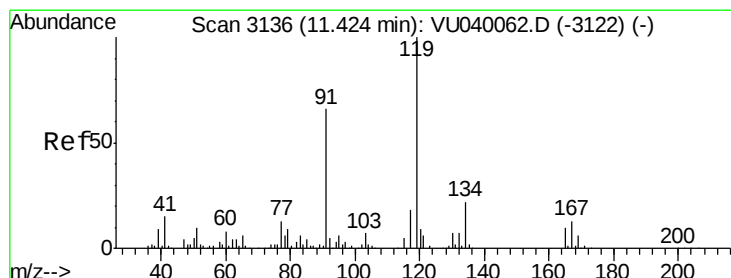
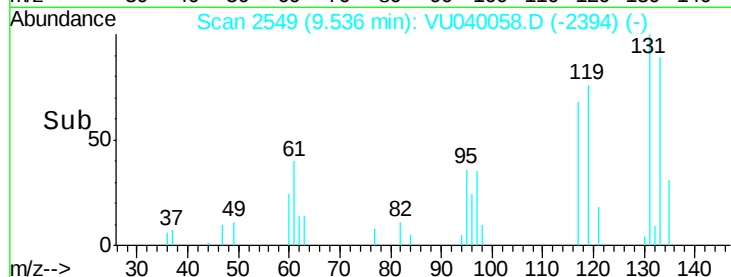
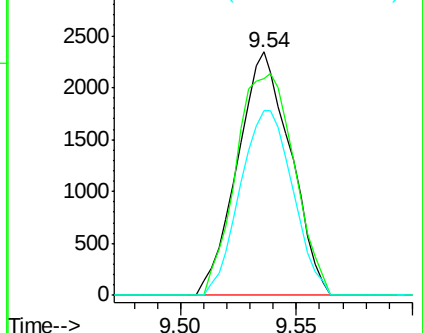
119 75.3 51.5 77.3



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#61

Pentachloroethane

Concen: 0.414 ug/l

RT: 11.42 min Scan# 3136

Delta R.T. -0.00 min

Lab File: VU040058.D

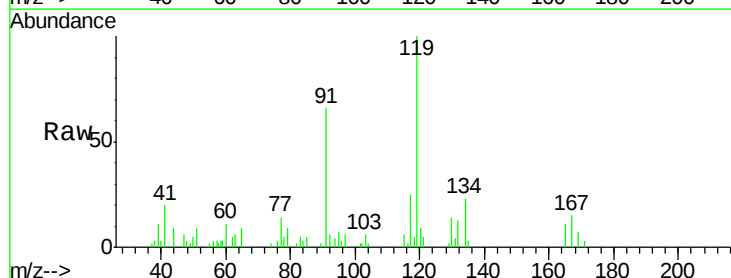
Acq: 09 Sep 2020 10:31

Tgt Ion:117 Resp: 2477

Ion Ratio Lower Upper

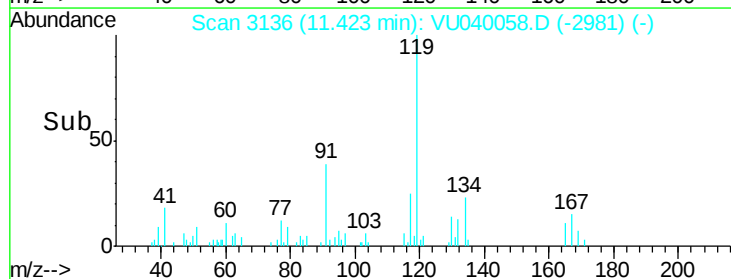
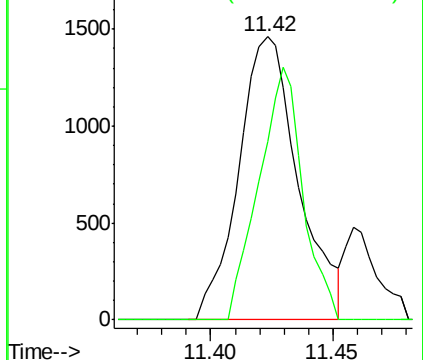
117 100

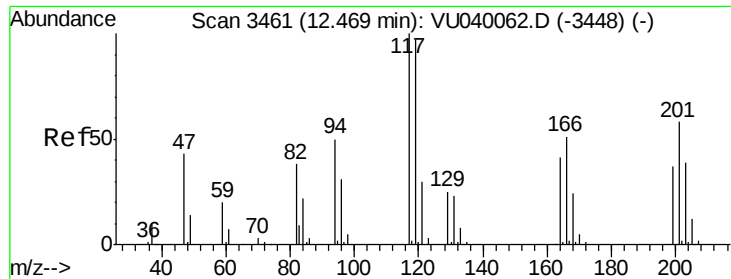
167 65.5 54.5 81.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V





#62

Hexachloroethane

Concen: 0.549 ug/l

RT: 12.47 min Scan# 3461

Delta R.T. -0.00 min

Lab File: VU040058.D

Acq: 09 Sep 2020 10:31

Instrument :

MSVOA_U

ClientSampleId :

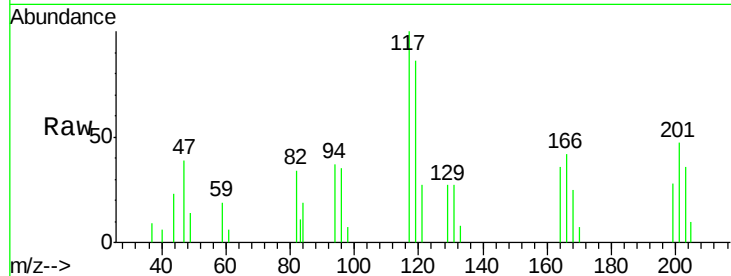
VSTDIC0.5

Tgt Ion:117 Resp: 3164

Ion Ratio Lower Upper

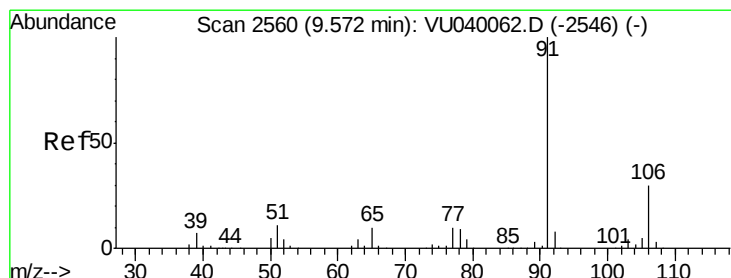
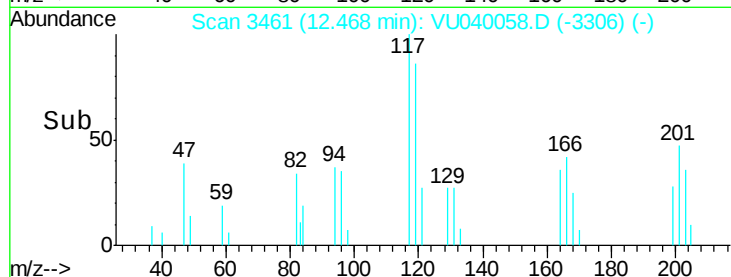
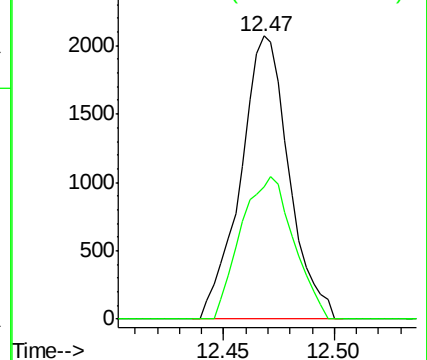
117 100

201 54.6 47.0 70.4



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V



#63

Ethyl Benzene

Concen: 0.421 ug/l

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU040058.D

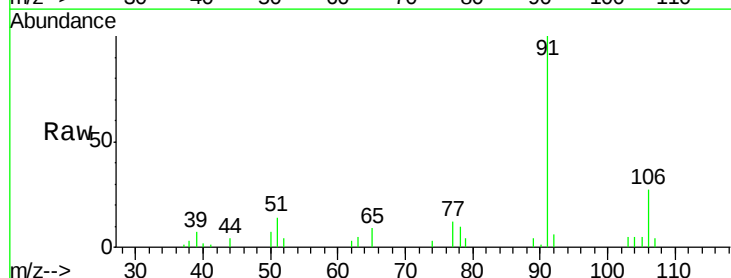
Acq: 09 Sep 2020 10:31

Tgt Ion: 91 Resp: 15656

Ion Ratio Lower Upper

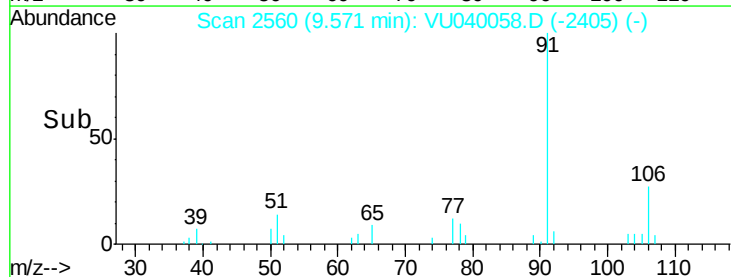
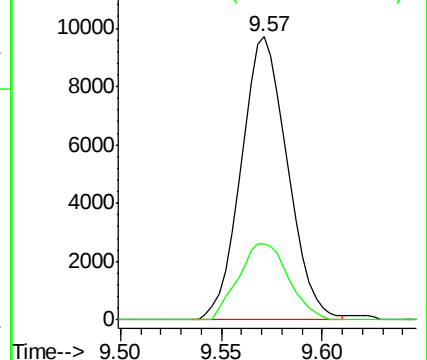
91 100

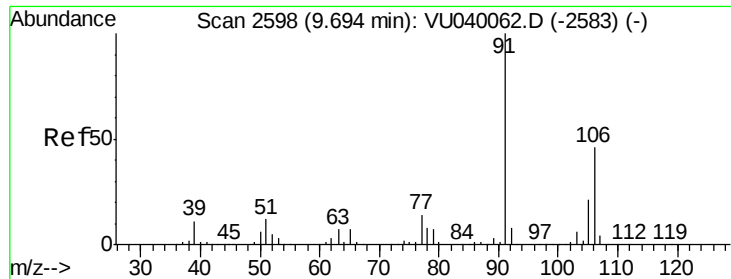
106 26.8 23.8 35.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V





#64

m/p-Xylenes

Concen: 0.730 ug/l

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU040058.D

Acq: 09 Sep 2020 10:31

Instrument :

MSVOA_U

ClientSampleId :

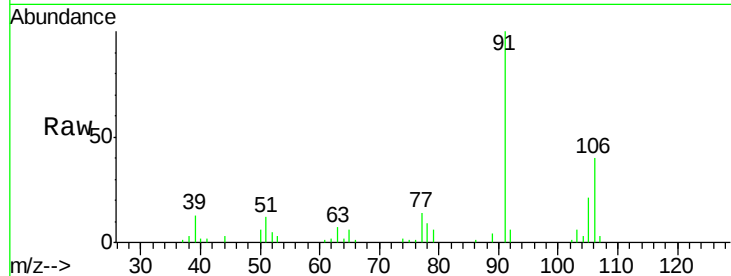
VSTDIC0.5

Tgt Ion:106 Resp: 10546

Ion Ratio Lower Upper

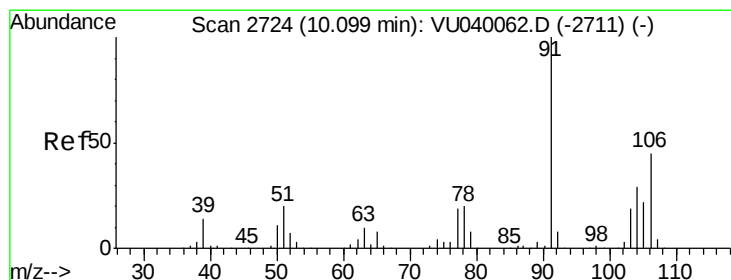
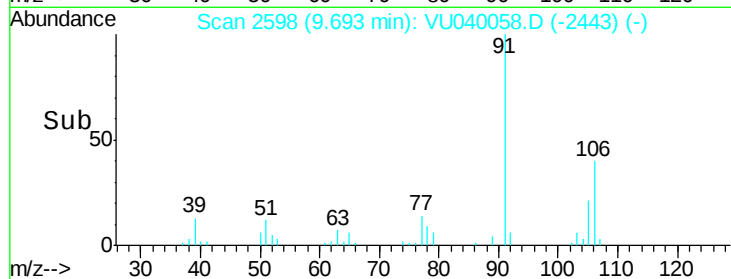
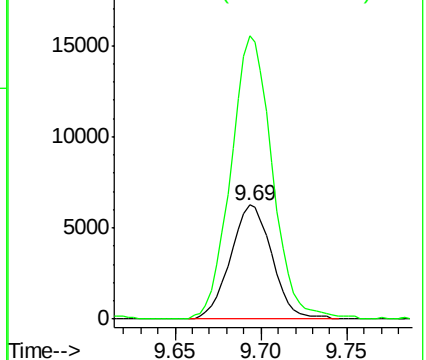
106 100

91 247.6 171.4 257.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#65

o-Xylene

Concen: 0.374 ug/l

RT: 10.10 min Scan# 2725

Delta R.T. 0.00 min

Lab File: VU040058.D

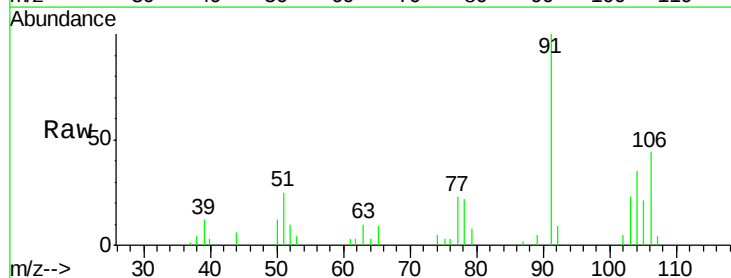
Acq: 09 Sep 2020 10:31

Tgt Ion:106 Resp: 5136

Ion Ratio Lower Upper

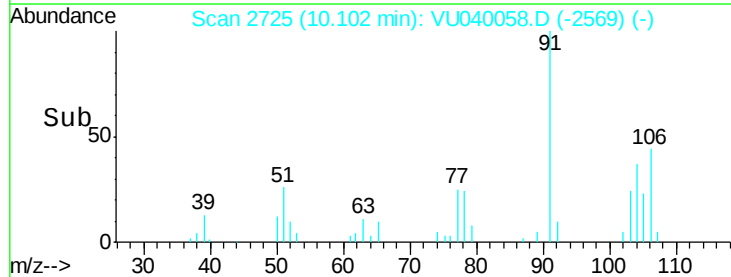
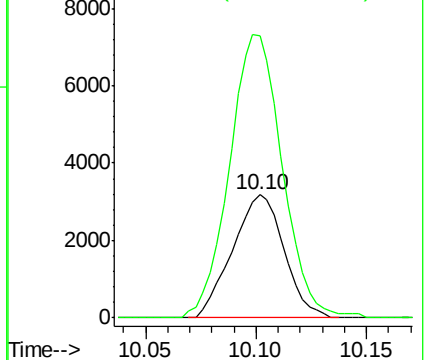
106 100

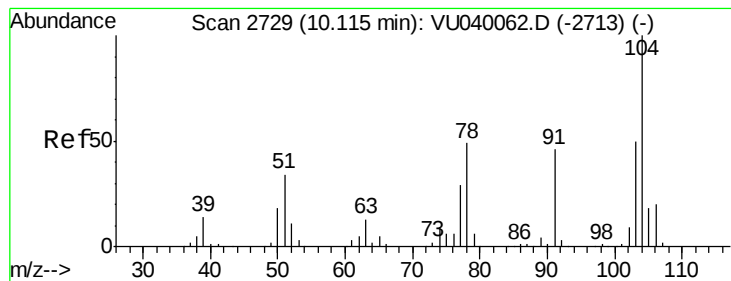
91 236.4 114.2 342.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#66

Styrene

Concen: 0.379 ug/l

RT: 10.11 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VU040058.D

Acq: 09 Sep 2020 10:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

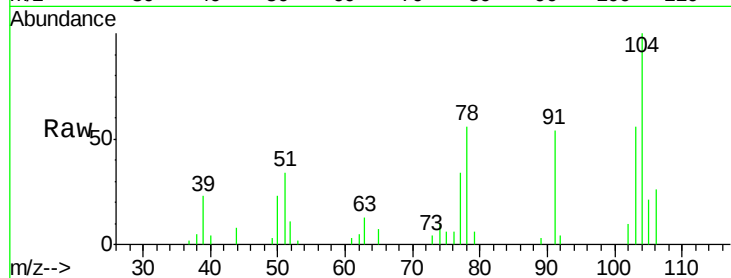
Tgt Ion:104 Resp: 8977

Ion Ratio Lower Upper

104 100

78 58.1 43.9 65.9

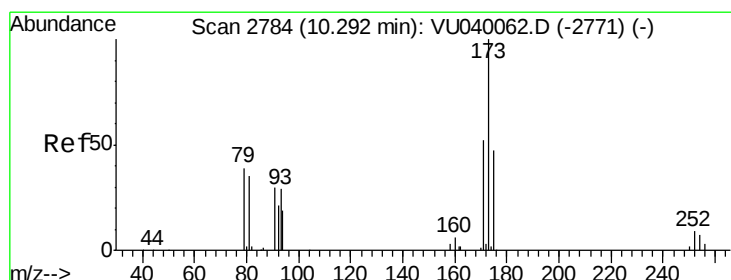
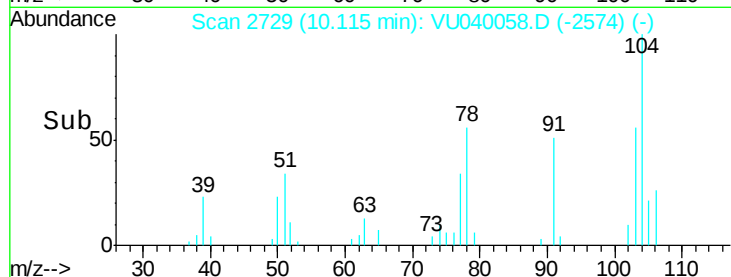
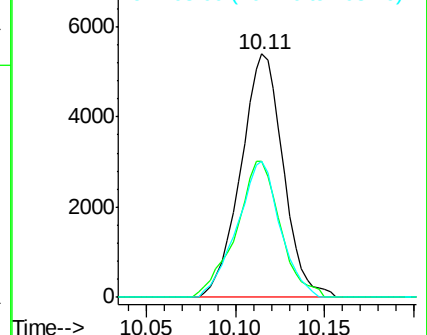
103 56.5 43.7 65.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#67

Bromoform

Concen: 0.504 ug/l

RT: 10.29 min Scan# 2784

Delta R.T. -0.00 min

Lab File: VU040058.D

Acq: 09 Sep 2020 10:31

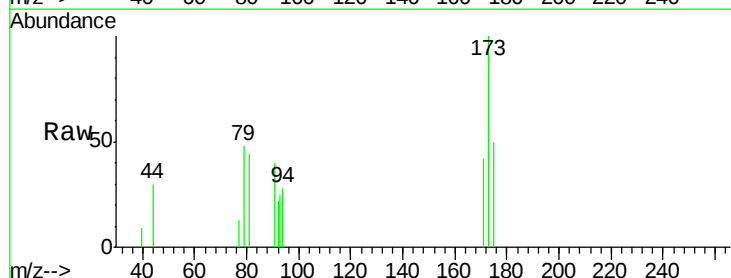
Tgt Ion:173 Resp: 1827

Ion Ratio Lower Upper

173 100

175 51.7 38.0 57.0

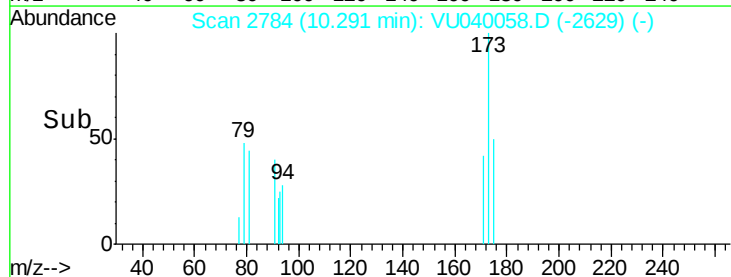
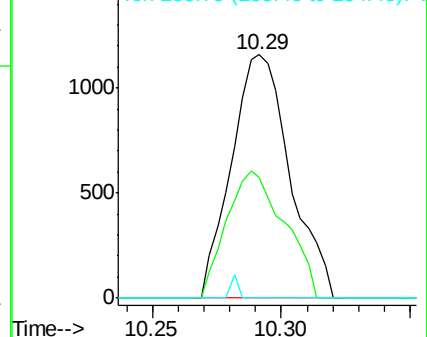
254 1.2 5.8 8.8#

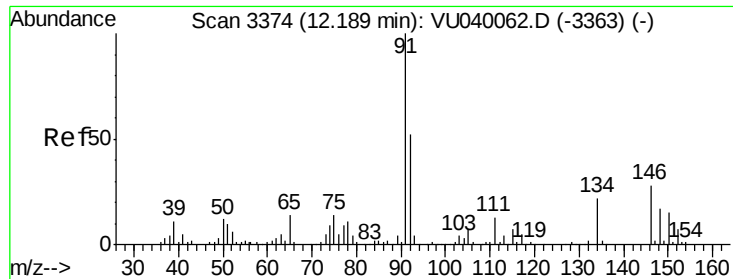


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V

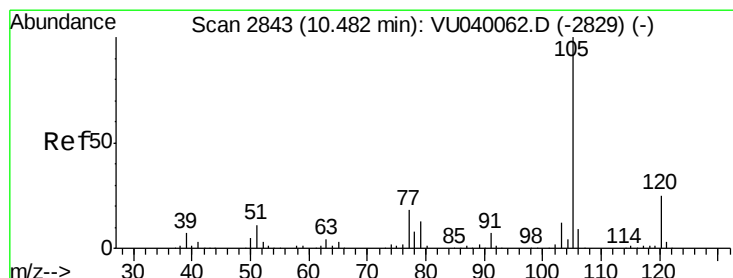
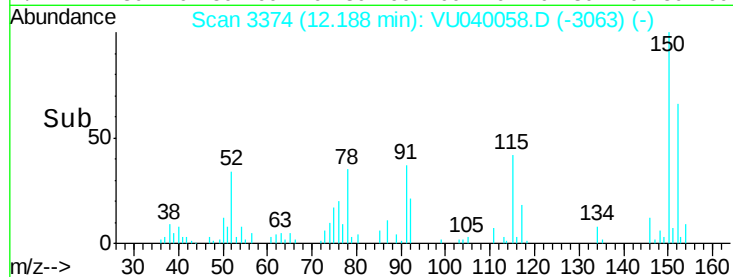
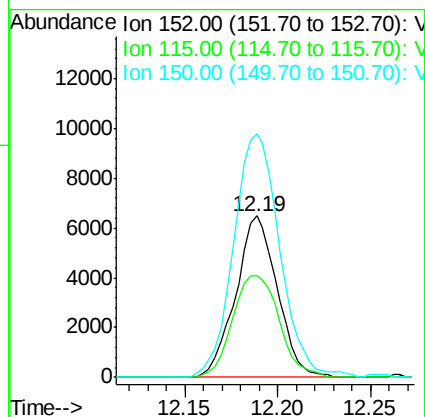
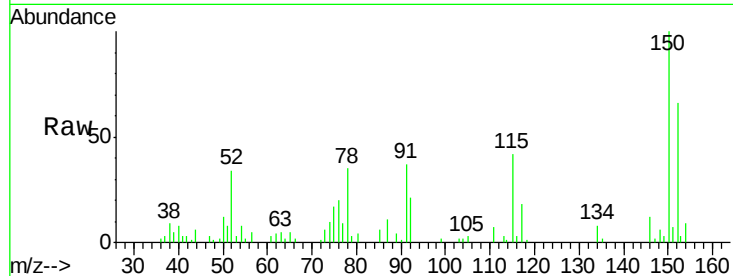




#68
 1,2-Dichlorobenzene-d4
 Concen: 0.970 ug/l
 RT: 12.19 min Scan# 3374
 Delta R.T. -0.00 min
 Lab File: VU040058.D
 Acq: 09 Sep 2020 10:31

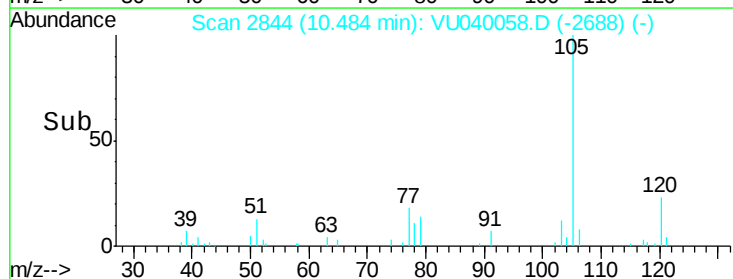
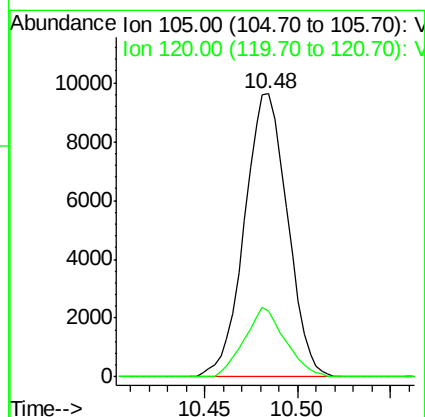
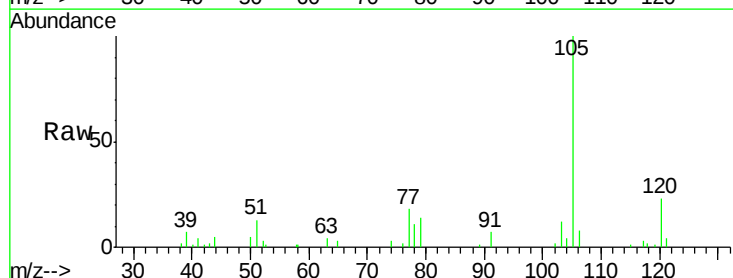
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

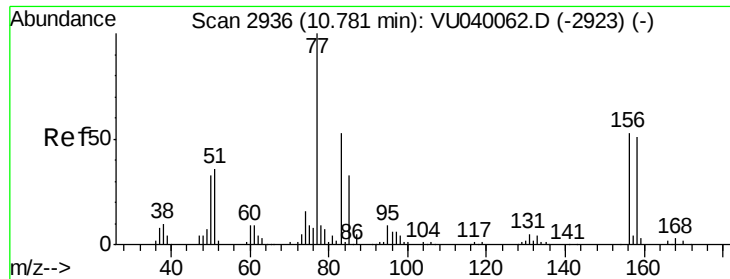
Tgt Ion:152 Resp: 10098
 Ion Ratio Lower Upper
 152 100
 115 70.8 0.0 309.0
 150 167.8 0.0 658.2



#69
 Isopropylbenzene
 Concen: 0.421 ug/l
 RT: 10.48 min Scan# 2844
 Delta R.T. 0.00 min
 Lab File: VU040058.D
 Acq: 09 Sep 2020 10:31

Tgt Ion:105 Resp: 15506
 Ion Ratio Lower Upper
 105 100
 120 23.3 12.4 37.4





#70

1,1,2,2-Tetrachloroethane

Concen: 0.482 ug/l

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU040058.D

Acq: 09 Sep 2020 10:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

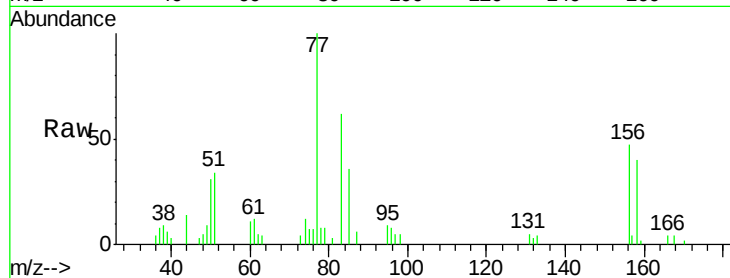
Tgt Ion: 83 Resp: 4495

Ion Ratio Lower Upper

83 100

131 8.6 7.5 11.3

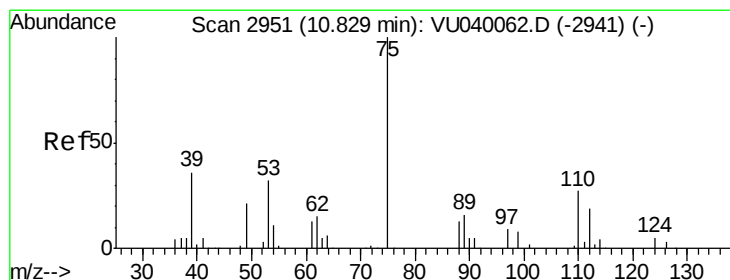
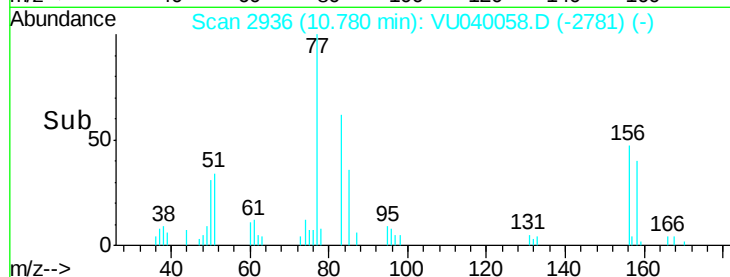
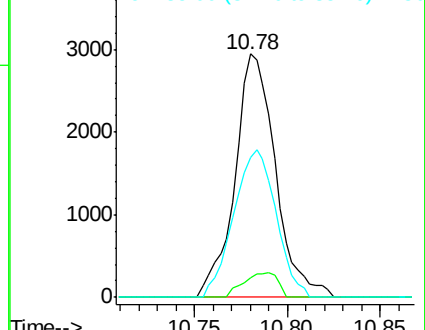
85 63.2 49.7 74.5



Abundance Ion 83.00 (82.70 to 83.70): VU040062.D (-2923) (-)

Ion 131.00 (130.70 to 131.70): VU040062.D (-2923) (-)

Ion 85.00 (84.70 to 85.70): VU040062.D (-2923) (-)



#71

1,2,3-Trichloropropane

Concen: 0.885 ug/l

RT: 10.83 min Scan# 2950

Delta R.T. -0.00 min

Lab File: VU040058.D

Acq: 09 Sep 2020 10:31

Tgt Ion: 75 Resp: 6125

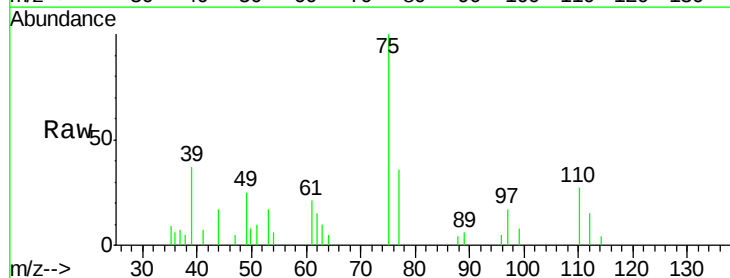
Ion Ratio Lower Upper

75 100

77 34.5 0.0 111.4

110 21.8 0.0 70.8

97 10.3 0.0 36.0

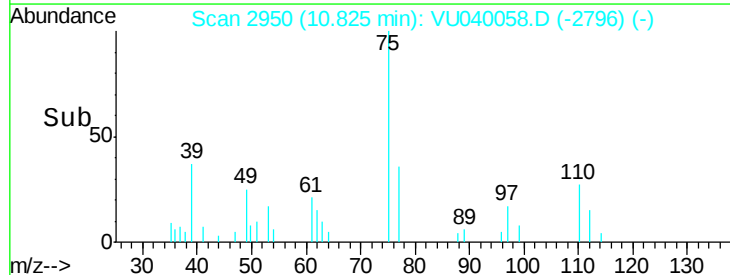
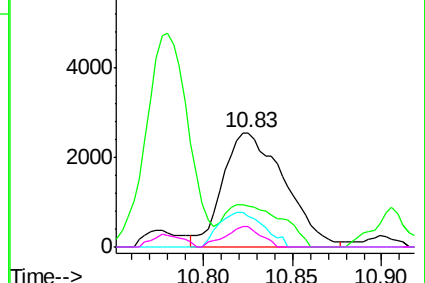


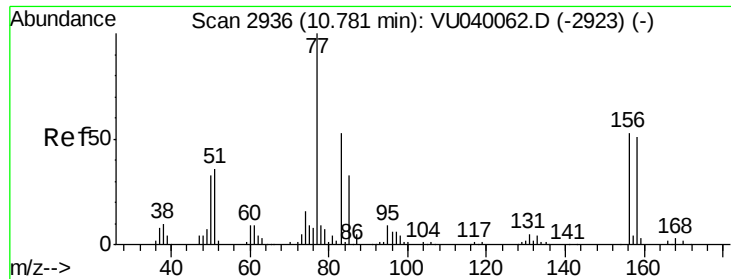
Abundance Ion 75.00 (74.70 to 75.70): VU040062.D (-2941) (-)

Ion 77.00 (76.70 to 77.70): VU040062.D (-2941) (-)

Ion 110.00 (109.70 to 110.70): VU040062.D (-2941) (-)

Ion 97.00 (96.70 to 97.70): VU040062.D (-2941) (-)





#72

Bromobenzene

Concen: 0.439 ug/l

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU040058.D

Acq: 09 Sep 2020 10:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

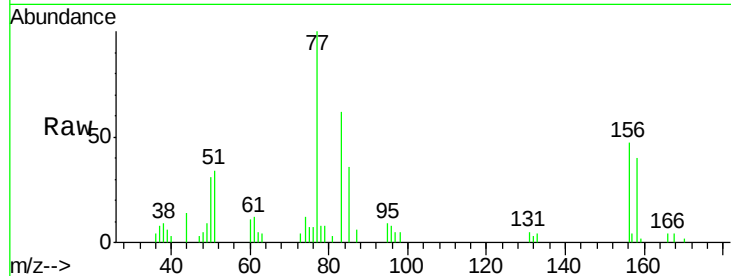
Tgt Ion:156 Resp: 3689

Ion Ratio Lower Upper

156 100

77 213.6 0.0 383.6

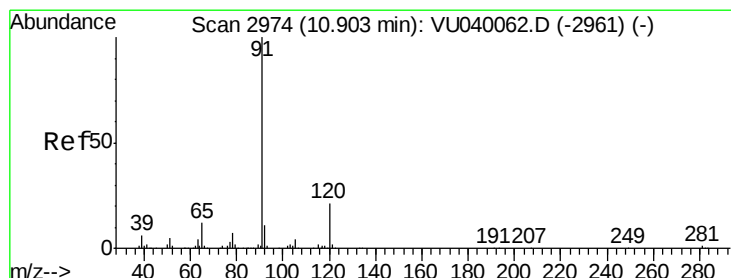
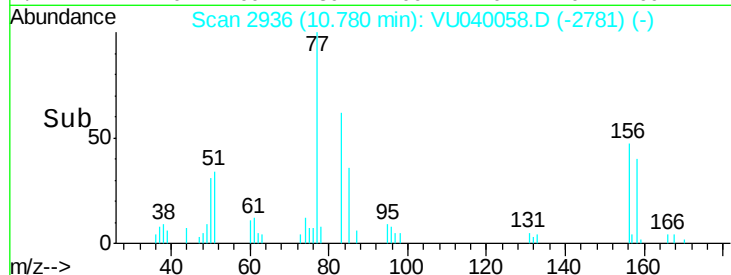
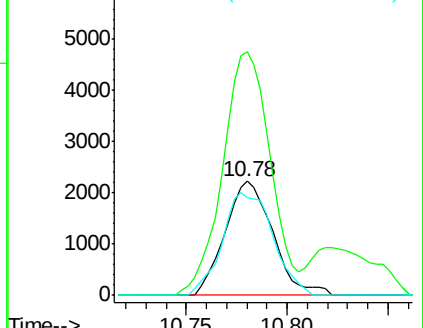
158 95.6 0.0 195.0



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 158.00 (157.70 to 158.70): V



#73

n-propylbenzene

Concen: 0.394 ug/l

RT: 10.90 min Scan# 2974

Delta R.T. -0.00 min

Lab File: VU040058.D

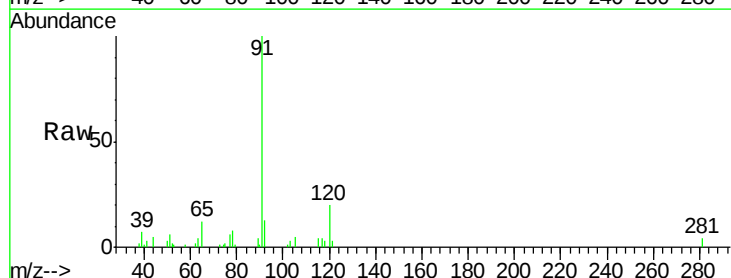
Acq: 09 Sep 2020 10:31

Tgt Ion:120 Resp: 4071

Ion Ratio Lower Upper

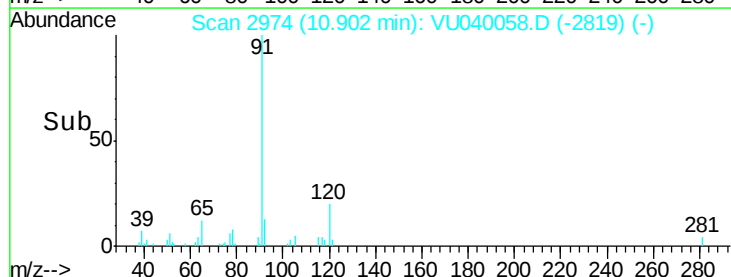
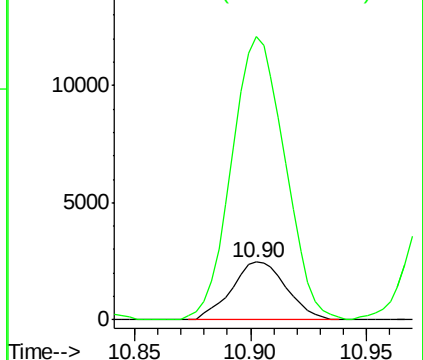
120 100

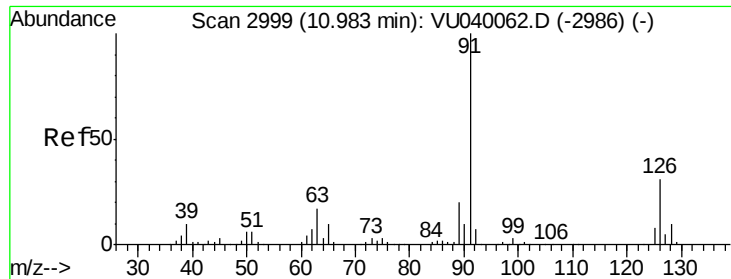
91 472.9 380.4 570.6



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0





#74

2-Chlorotoluene

Concen: 0.418 ug/l

RT: 10.98 min Scan# 2999

Delta R.T. -0.00 min

Lab File: VU040058.D

Acq: 09 Sep 2020 10:31

Instrument :

MSVOA_U

ClientSampleId :

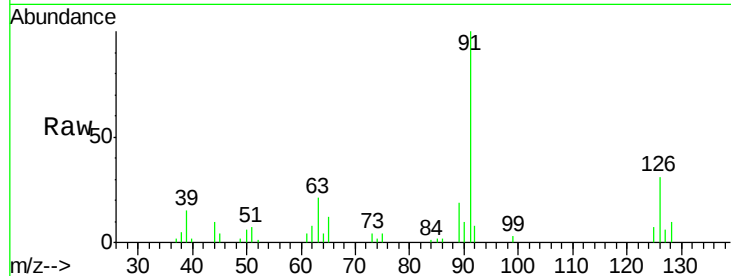
VSTDIC0.5

Tgt Ion:126 Resp: 3678

Ion Ratio Lower Upper

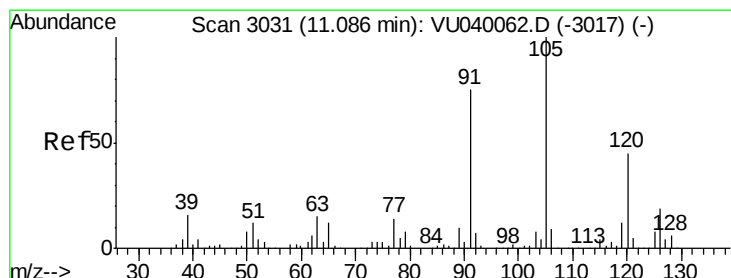
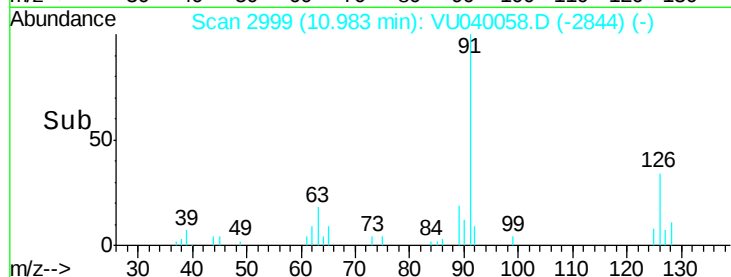
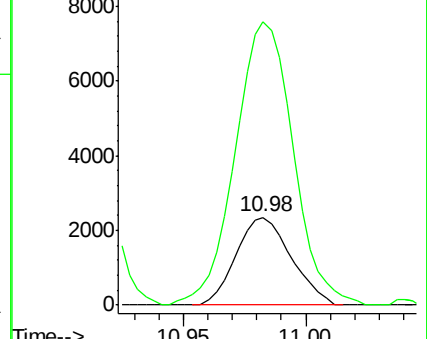
126 100

91 340.3 0.0 649.6



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0



#75

1,3,5-Trimethylbenzene

Concen: 0.383 ug/l

RT: 11.09 min Scan# 3031

Delta R.T. -0.00 min

Lab File: VU040058.D

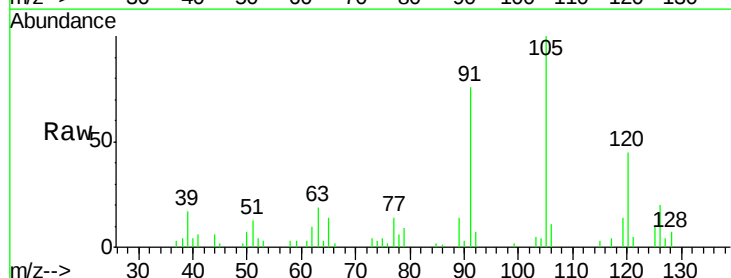
Acq: 09 Sep 2020 10:31

Tgt Ion:105 Resp: 12213

Ion Ratio Lower Upper

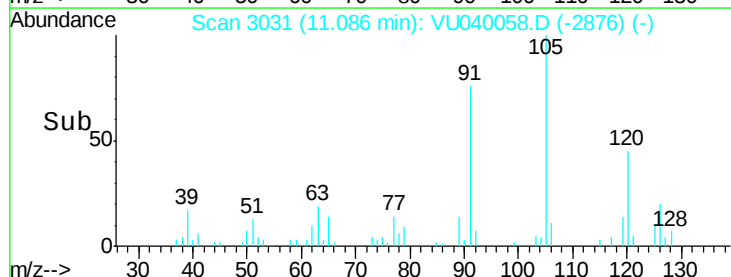
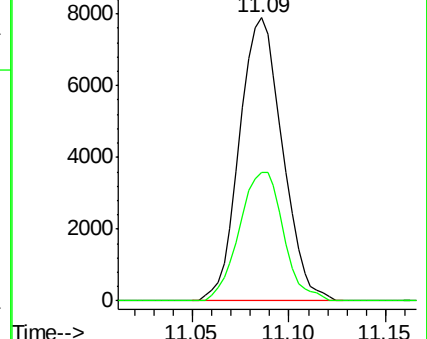
105 100

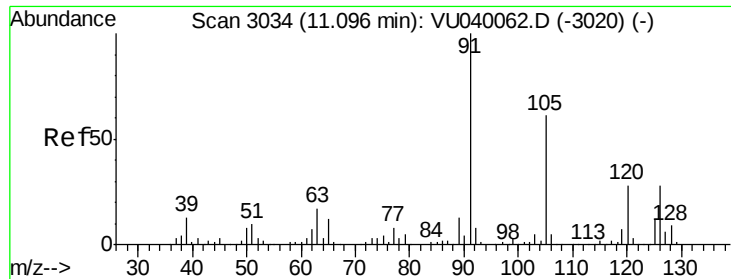
120 46.6 36.6 55.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

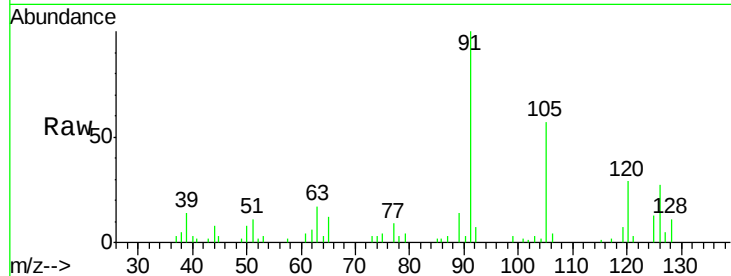




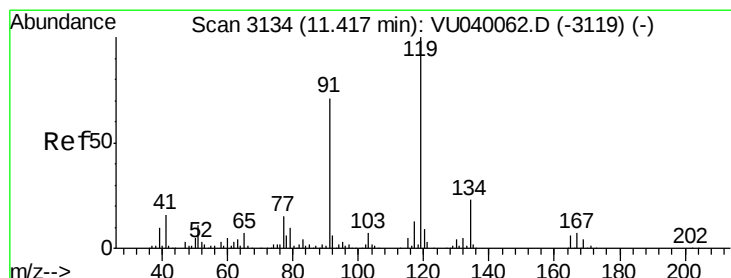
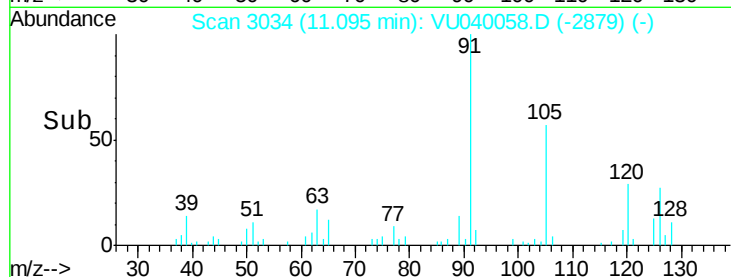
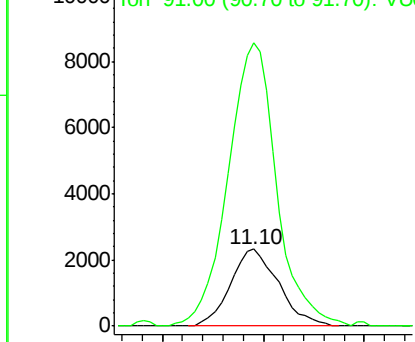
#76
4-Chlorotoluene
Concen: 0.425 ug/l
RT: 11.10 min Scan# 3034
Delta R.T. -0.00 min
Lab File: VU040058.D
Acq: 09 Sep 2020 10:31

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion:126 Resp: 3875
Ion Ratio Lower Upper
126 100
91 370.8 0.0 735.6

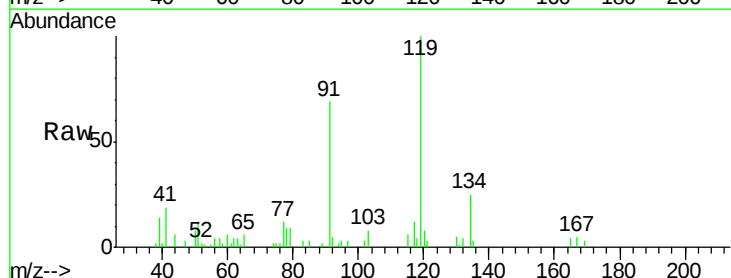


Abundance Ion 126.00 (125.70 to 126.70): V
Ion 91.00 (90.70 to 91.70): VU0

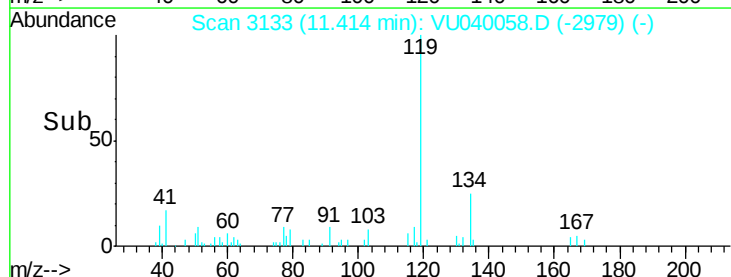
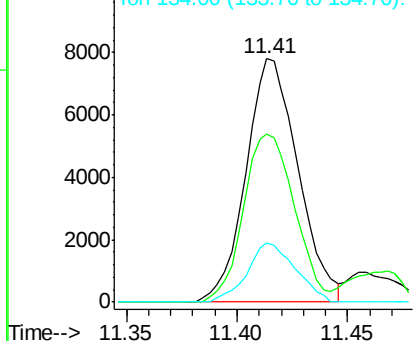


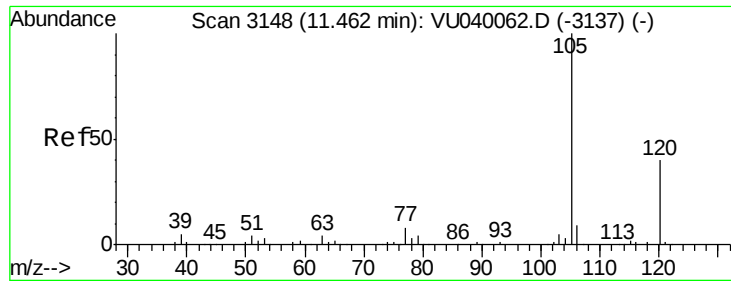
#77
tert-Butylbenzene
Concen: 0.421 ug/l
RT: 11.41 min Scan# 3133
Delta R.T. -0.00 min
Lab File: VU040058.D
Acq: 09 Sep 2020 10:31

Tgt Ion:119 Resp: 12794
Ion Ratio Lower Upper
119 100
91 68.0 34.2 102.5
134 22.5 18.2 27.4



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VU0
Ion 134.00 (133.70 to 134.70): V

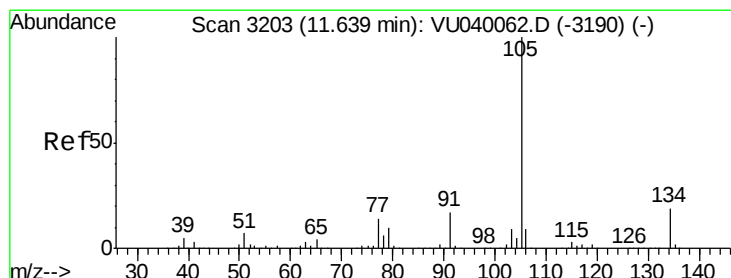
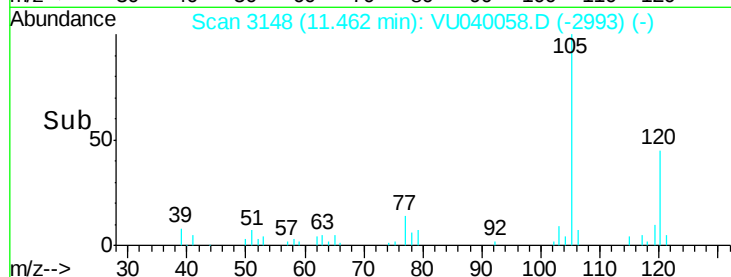
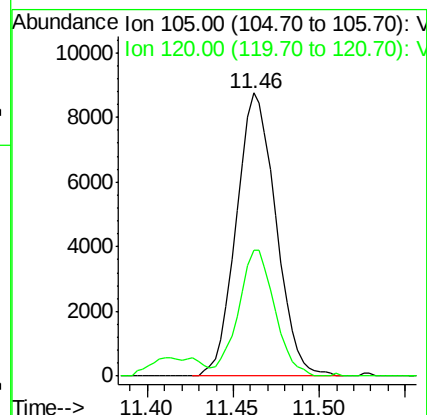
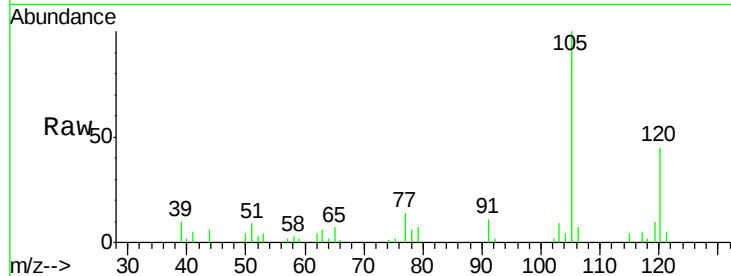




#78
 1,2,4-Trimethylbenzene
 Concen: 0.430 ug/l
 RT: 11.46 min Scan# 3148
 Delta R.T. -0.00 min
 Lab File: VU040058.D
 Acq: 09 Sep 2020 10:31

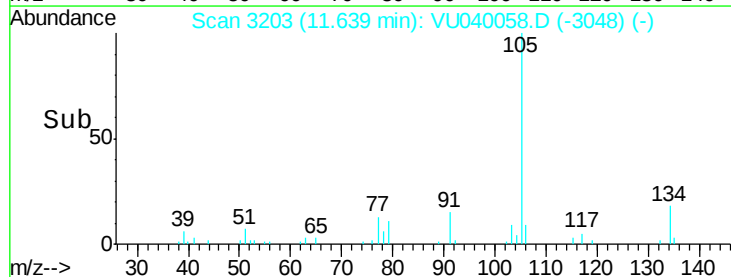
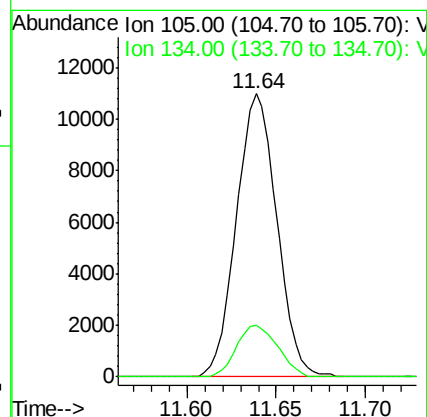
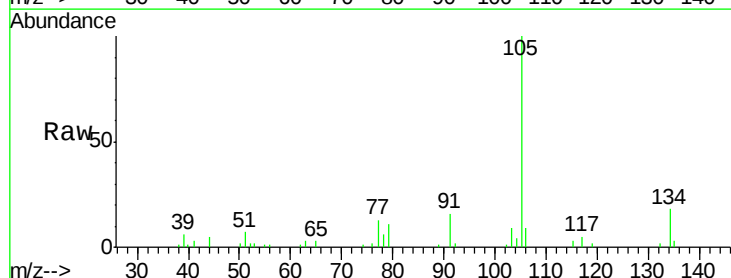
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

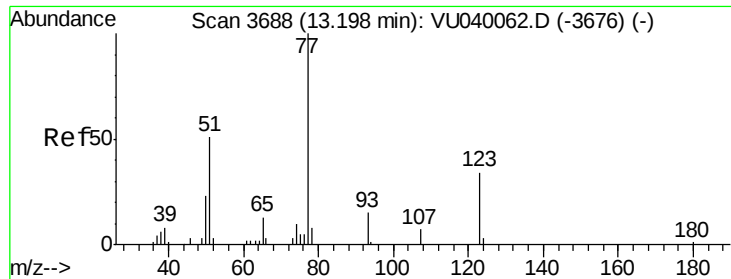
Tgt Ion:105 Resp: 14048
 Ion Ratio Lower Upper
 105 100
 120 40.8 21.9 65.5



#79
 sec-Butylbenzene
 Concen: 0.397 ug/l
 RT: 11.64 min Scan# 3203
 Delta R.T. -0.00 min
 Lab File: VU040058.D
 Acq: 09 Sep 2020 10:31

Tgt Ion:105 Resp: 17273
 Ion Ratio Lower Upper
 105 100
 134 18.7 15.0 22.4





#80

Nitrobenzene

Concen: 3.529 ug/l

RT: 13.21 min Scan# 3692

Delta R.T. 0.01 min

Lab File: VU040058.D

Acq: 09 Sep 2020 10:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

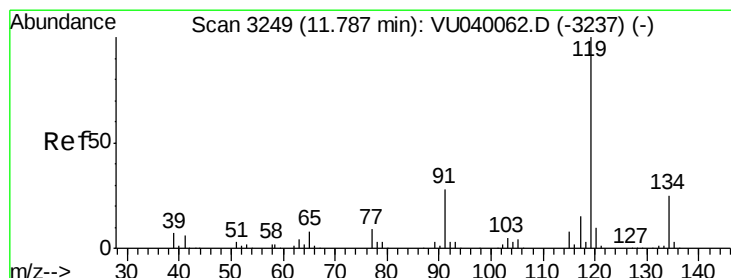
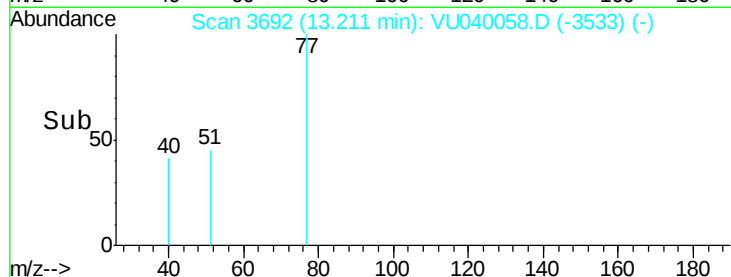
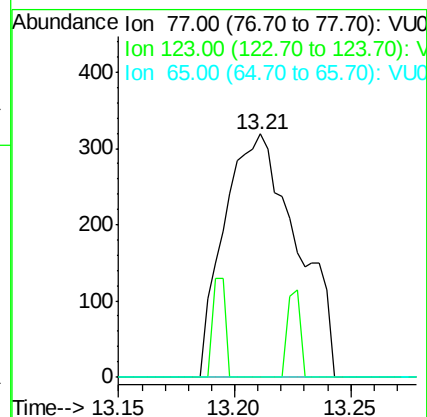
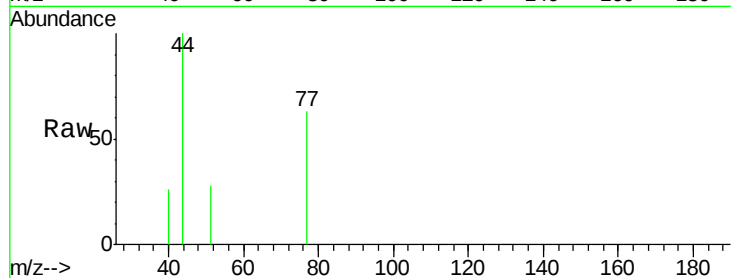
Tgt Ion: 77 Resp: 692

Ion Ratio Lower Upper

77 100

123 6.2 16.4 58.0#

65 0.0 12.5 15.9#



#81

p-Isopropyltoluene

Concen: 0.369 ug/l

RT: 11.79 min Scan# 3249

Delta R.T. -0.00 min

Lab File: VU040058.D

Acq: 09 Sep 2020 10:31

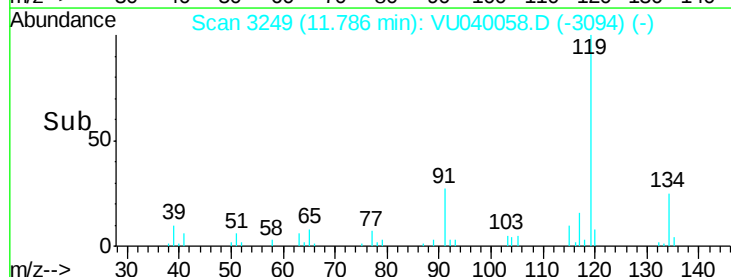
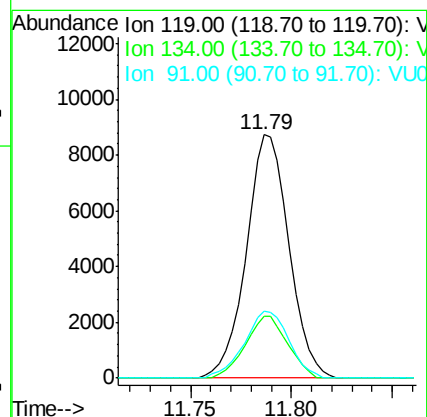
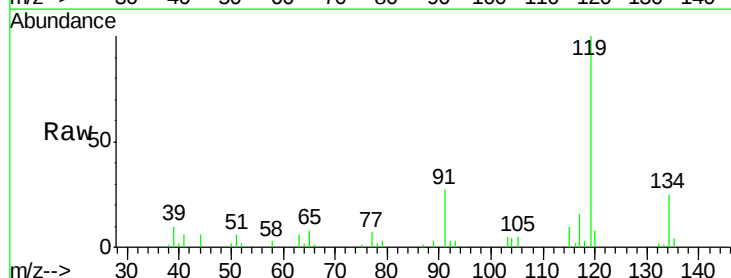
Tgt Ion: 119 Resp: 12913

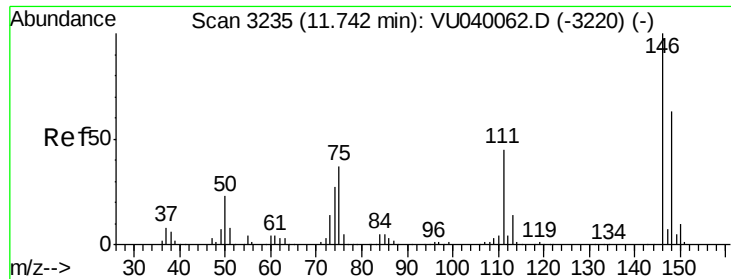
Ion Ratio Lower Upper

119 100

134 25.2 20.3 30.5

91 28.7 22.2 33.2

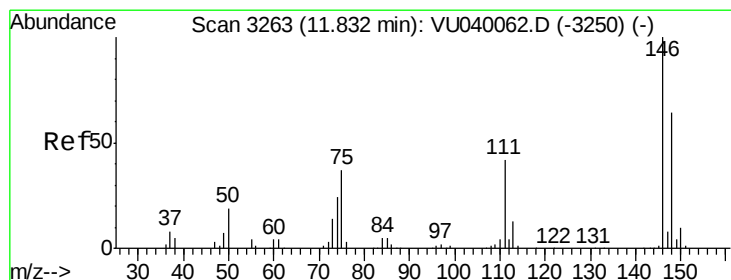
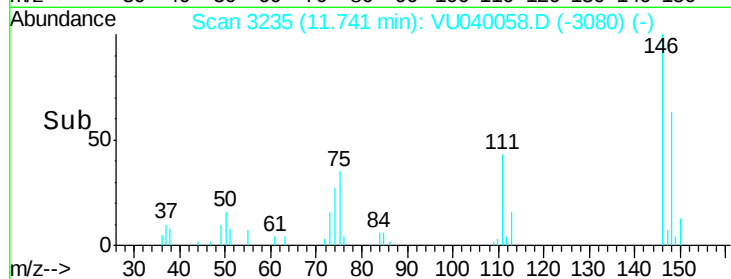
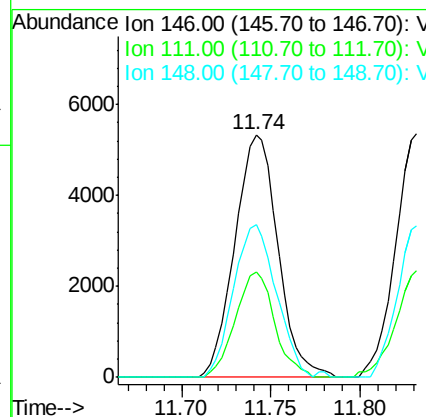
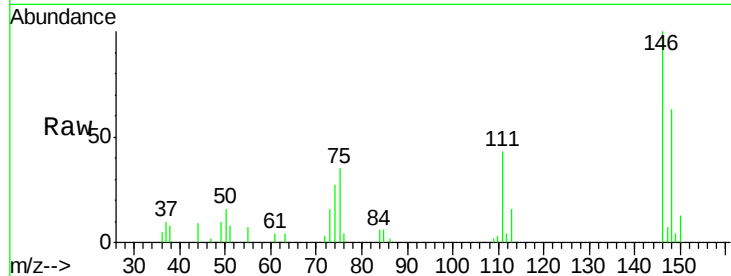




#82
 1,3-Dichlorobenzene
 Concen: 0.494 ug/l
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU040058.D
 Acq: 09 Sep 2020 10:31

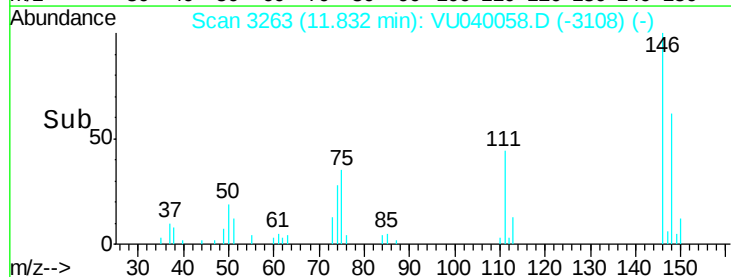
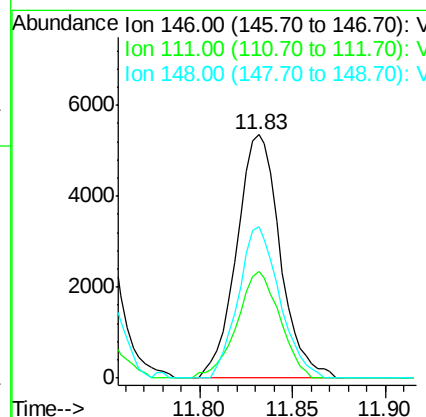
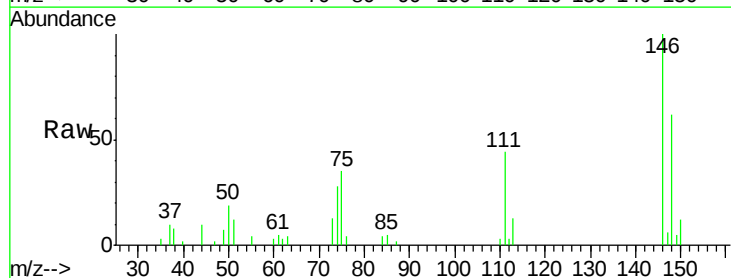
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

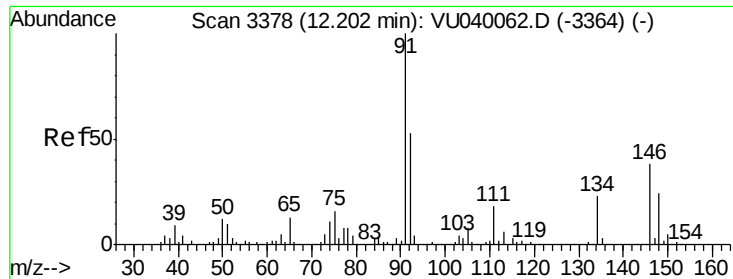
Tgt Ion:146 Resp: 8957
 Ion Ratio Lower Upper
 146 100
 111 39.4 35.4 53.0
 148 62.5 49.7 74.5



#83
 1,4-Dichlorobenzene
 Concen: 0.477 ug/l
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU040058.D
 Acq: 09 Sep 2020 10:31

Tgt Ion:146 Resp: 8710
 Ion Ratio Lower Upper
 146 100
 111 43.1 34.2 51.2
 148 59.2 50.2 75.2

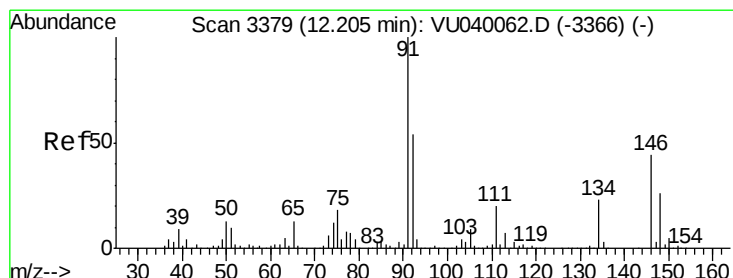
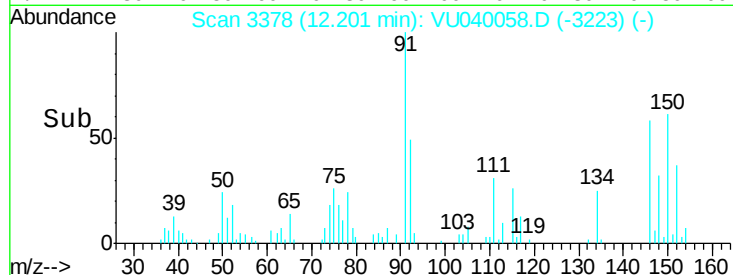
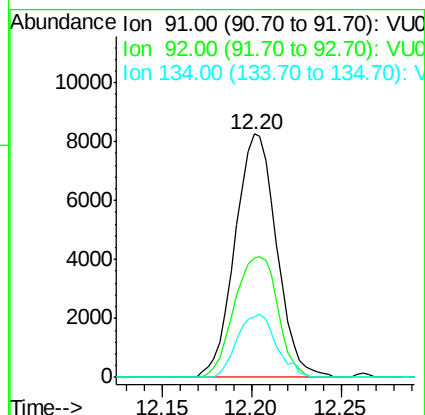
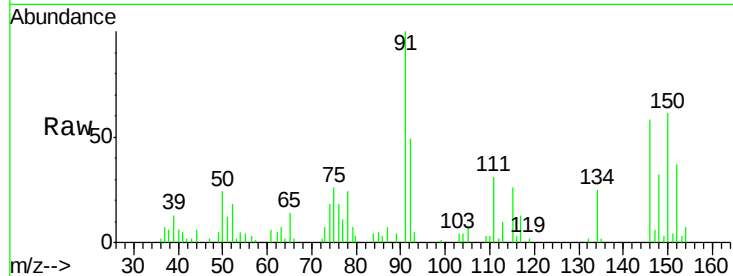




#84
n-Butylbenzene
Concen: 0.362 ug/l
RT: 12.20 min Scan# 3378
Delta R.T. -0.00 min
Lab File: VU040058.D
Acq: 09 Sep 2020 10:31

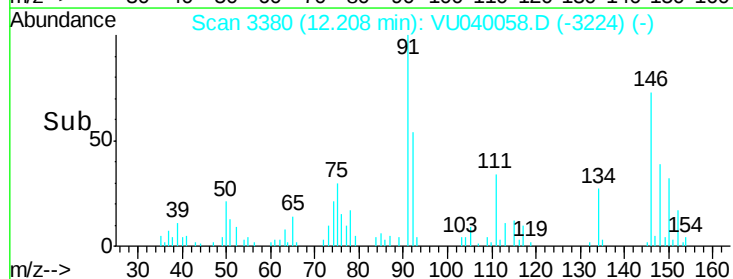
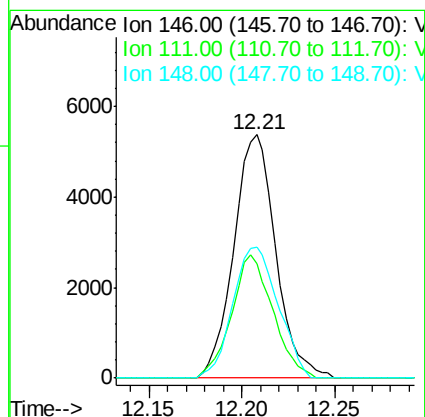
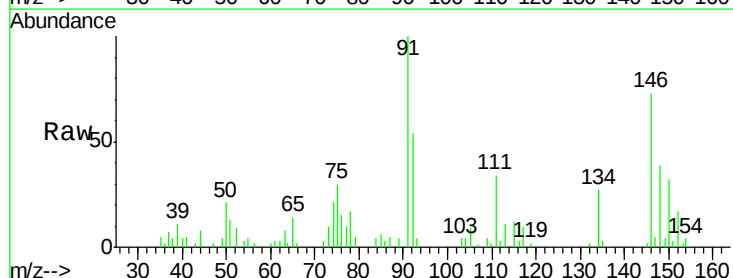
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

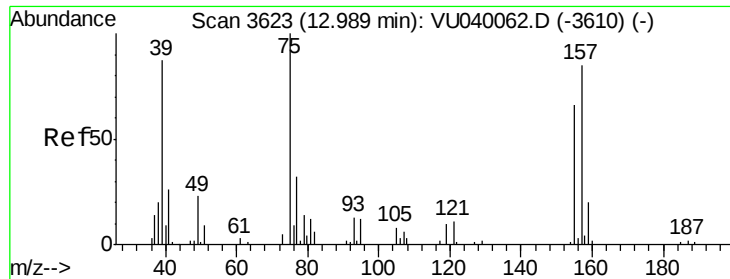
Tgt Ion: 91 Resp: 13443
Ion Ratio Lower Upper
91 100
92 51.6 43.0 64.4
134 24.4 18.6 27.8



#85
1,2-Dichlorobenzene
Concen: 0.483 ug/l
RT: 12.21 min Scan# 3380
Delta R.T. 0.00 min
Lab File: VU040058.D
Acq: 09 Sep 2020 10:31

Tgt Ion: 146 Resp: 8452
Ion Ratio Lower Upper
146 100
111 49.7 22.9 68.7
148 58.0 31.1 93.2

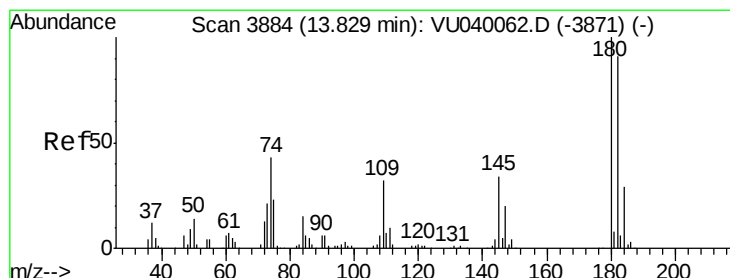
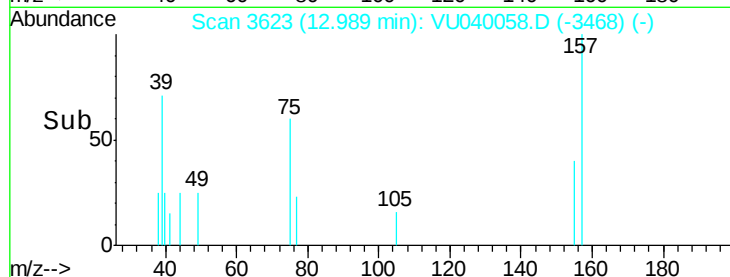
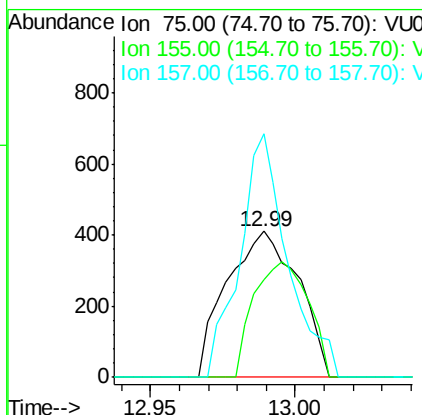
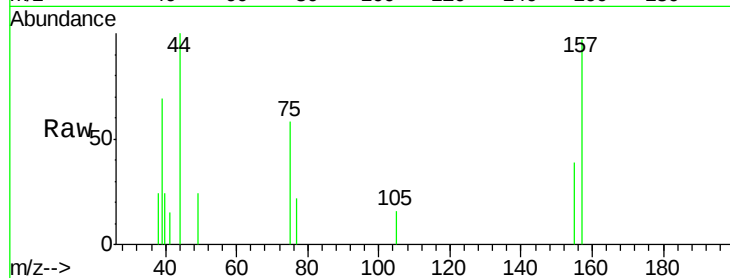




#86
 1,2-Dibromo-3-Chloropropane
 Concen: 0.441 ug/l
 RT: 12.99 min Scan# 3623
 Delta R.T. -0.00 min
 Lab File: VU040058.D
 Acq: 09 Sep 2020 10:31

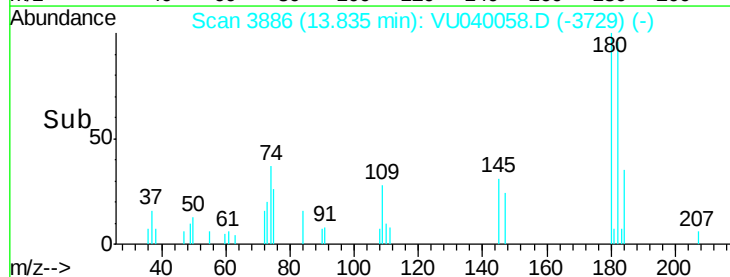
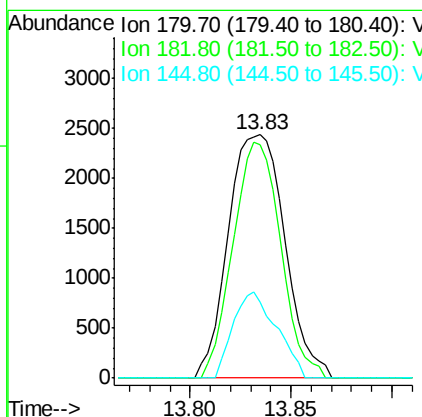
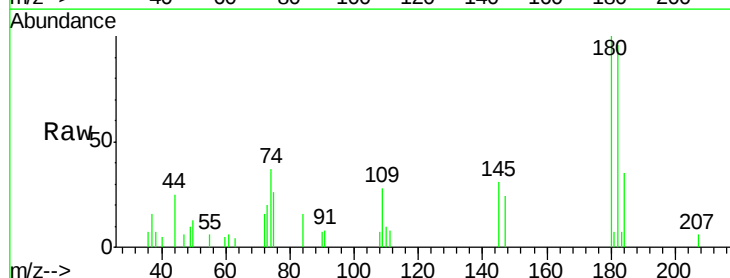
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

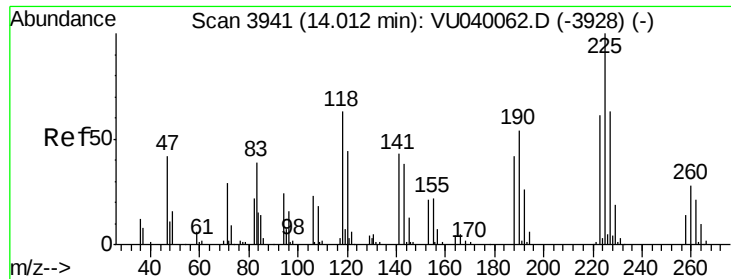
Tgt Ion: 75 Resp: 703
 Ion Ratio Lower Upper
 75 100
 155 60.3 53.4 80.0
 157 111.5 65.8 98.8#



#87
 1,2,4-Trichlorobenzene
 Concen: 0.441 ug/l
 RT: 13.83 min Scan# 3886
 Delta R.T. 0.01 min
 Lab File: VU040058.D
 Acq: 09 Sep 2020 10:31

Tgt Ion: 180 Resp: 4785
 Ion Ratio Lower Upper
 180 100
 182 81.9 75.0 112.4
 145 27.2 27.7 41.5#





#88

Hexachlorobutadiene

Concen: 0.467 ug/l

RT: 14.01 min Scan# 3939

Delta R.T. -0.01 min

Lab File: VU040058.D

Acq: 09 Sep 2020 10:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

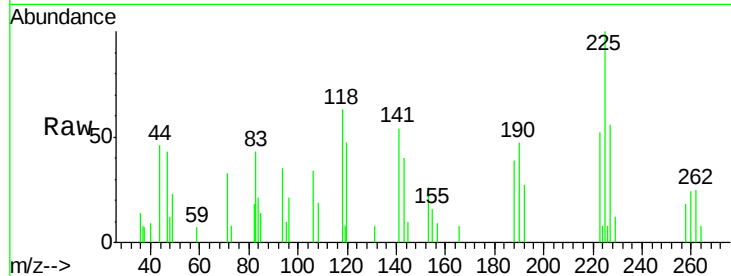
Tgt Ion:225 Resp: 2361

Ion Ratio Lower Upper

225 100

223 64.1 50.7 76.1

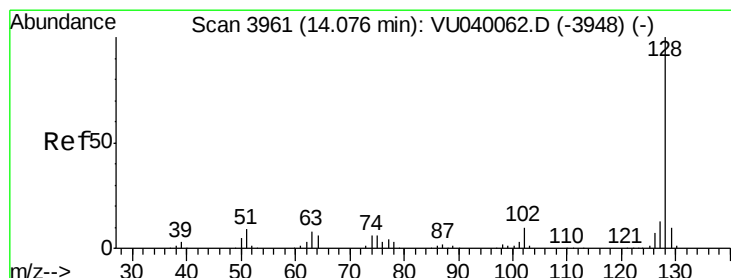
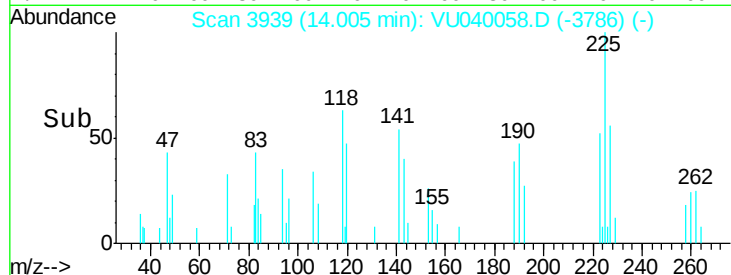
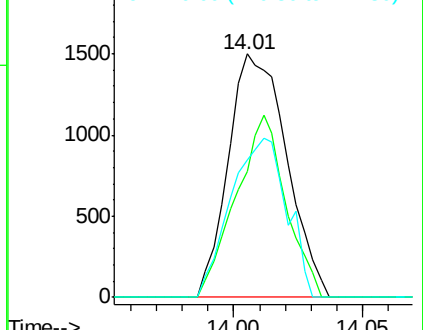
227 63.2 51.1 76.7



Abundance Ion 224.60 (224.30 to 225.30): V

Ion 222.60 (222.30 to 223.30): V

Ion 226.60 (226.30 to 227.30): V



#89

Naphthalene

Concen: 0.316 ug/l

RT: 14.08 min Scan# 3963

Delta R.T. 0.01 min

Lab File: VU040058.D

Acq: 09 Sep 2020 10:31

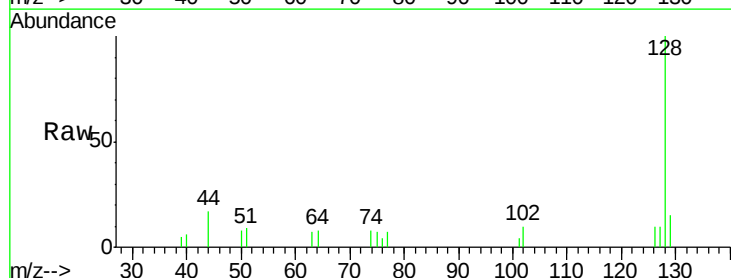
Tgt Ion:128 Resp: 7295

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

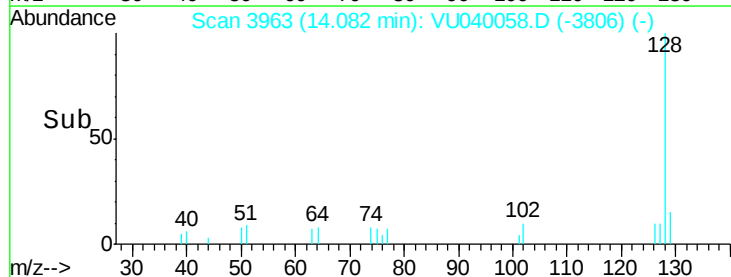
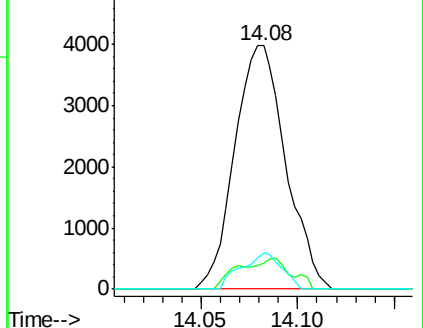
129 11.7 8.3 12.5

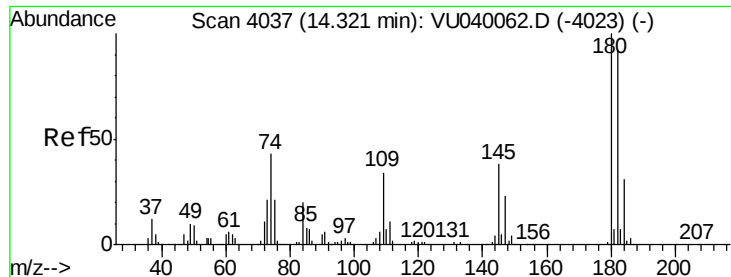


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#90
 1,2,3-Trichlorobenzene
 Concen: 0.411 ug/l
 RT: 14.32 min Scan# 4037
 Delta R.T. -0.00 min
 Lab File: VU040058.D
 Acq: 09 Sep 2020 10:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tgt Ion:180 Resp: 4211
 Ion Ratio Lower Upper
 180 100
 182 91.6 76.0 114.0
 145 36.7 30.6 45.8

