

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102220\
 Data File : VU040913.D
 Acq On : 22 Oct 2020 19:32
 Operator : SY/MD
 Sample : VSTDIC002
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Quant Time: Oct 23 06:44:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U102220DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Oct 23 06:42:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.13	96	54867	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.63	95	18839	0.86	ug/l	0.00
Spiked Amount 1.000			Recovery	=	86.00%	
68) 1,2-Dichlorobenzene-d4	12.18	152	20935	1.02	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.00%	

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	54591	3.222	ug/l 96
3) Chloromethane	1.53	50	55824	3.104	ug/l 97
4) Vinyl Chloride	1.61	62	49596	2.816	ug/l 97
5) Bromomethane	1.86	94	31281	2.510	ug/l 99
6) Chloroethane	1.94	64	32158	2.821	ug/l 99
7) Trichlorofluoromethane	2.15	101	65414	2.580	ug/l 96
8) 1,1,2-Trichloro-1,2,2-trif	2.60	101	37097	2.552	ug/l 99
9) 1,1-Dichloroethene	2.59	96	31121	2.509	ug/l 99
10) Iodomethane	2.74	142	28130	2.748	ug/l 99
11) Allyl Chloride	2.94	41	63866	2.584	ug/l 100
12) Acrylonitrile	3.33	53	21531	4.970	ug/l 95
13) Acetone	2.64	43	43621	11.318	ug/l 99
14) Carbon Disulfide	2.81	76	116685	3.167	ug/l 98
15) Methylene Chloride	3.06	84	39801	2.137	ug/l 98
16) trans-1,2-Dichloroethene	3.37	96	36544	2.707	ug/l 96
17) 1,1-Dichloroethane	3.89	63	71621	2.447	ug/l 98
18) 2-Butanone	4.74	43	76281	12.651	ug/l 98
19) Cyclohexane	5.40	56	62221	2.484	ug/l 91
20) Methylcyclohexane	6.77	83	45570	2.034	ug/l 94
21) 2,2-Dichloropropane	4.68	77	61402	2.260	ug/l 99
22) cis-1,2-Dichloroethene	4.69	96	38208	2.480	ug/l 97
23) Diethyl Ether	2.39	59	30080	2.533	ug/l 92
24) tert-Butyl Alcohol	3.20	59	38522	24.622	ug/l 96
25) Methyl tert-Butyl Ether	3.39	73	93821	2.304	ug/l 96
26) Bromochloromethane	4.99	128	17042	2.528	ug/l 98
27) Chloroform	5.11	83	70762	2.413	ug/l 100
28) 1,1,1-Trichloroethane	5.33	97	59763	2.356	ug/l 96
29) 1,1-Dichloropropene	5.54	75	51394	2.359	ug/l 97
30) Carbon Tetrachloride	5.54	117	53812	2.345	ug/l 91
31) Isopropyl Ether	4.02	45	109816	2.230	ug/l 96
32) Ethyl-t-butyl ether	4.53	59	99084	2.234	ug/l 99
33) Tert-Amyl methyl ether	5.96	73	70781	1.847	ug/l 99
34) Propionitrile	4.80	54	19997	13.016	ug/l # 96
35) Benzene	5.79	78	147488	2.446	ug/l 98
36) 1,2-Dichloroethane	5.81	62	54199	2.342	ug/l 98
37) Trichloroethene	6.55	130	33627	2.225	ug/l 97
38) 1,2-Dichloropropane	6.81	63	41428	2.379	ug/l 98
39) Methacrylonitrile	5.00	41	18885	2.318	ug/l 96
40) Methyl acrylate	4.87	55	25409	2.413	ug/l 96
41) Tetrahydrofuran	5.08	42	19090	4.830	ug/l 98
42) 1-Chlorobutane	5.47	56	78128	2.419	ug/l 97

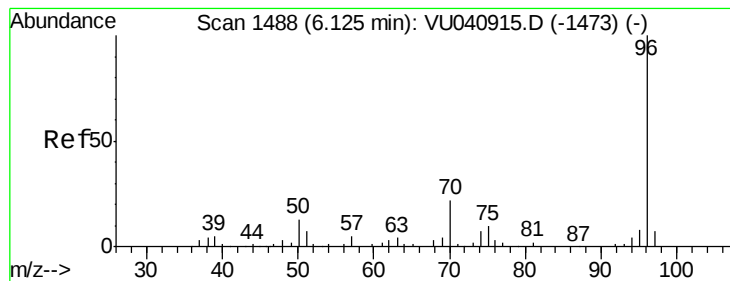
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102220\
 Data File : VU040913.D
 Acq On : 22 Oct 2020 19:32
 Operator : SY/MD
 Sample : VSTDIC002
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 ClientSampleId :
 VSTDIC002

Quant Time: Oct 23 06:44:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U102220DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Oct 23 06:42:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.93	93	23857	2.388	ug/l	95
44) Bromodichloromethane	7.12	83	52848	2.208	ug/l	98
45) 4-Methyl-2-Pentanone	7.81	43	138433	10.091	ug/l	98
46) t-1,4-Dichloro-2-butene	10.83	75	51663	9.957	ug/l #	52
47) Methyl methacrylate	6.98	69	36514	4.223	ug/l	98
48) Ethyl methacrylate	8.34	69	28534	1.847	ug/l	94
49) Toluene	7.97	92	76227	2.094	ug/l	95
50) t-1,3-Dichloropropene	8.22	75	44779	2.090	ug/l	98
51) cis-1,3-Dichloropropene	7.62	75	48624	2.043	ug/l	99
52) 1,1,2-Trichloroethane	8.41	97	30279	2.363	ug/l	95
53) 1,3-Dichloropropane	8.58	76	51400	2.233	ug/l	100
54) 2-Hexanone	8.69	43	95358	9.660	ug/l	96
55) Dibromochloromethane	8.82	129	34374	2.305	ug/l	100
56) 1,2-Dibromoethane	8.93	107	26722	2.230	ug/l	100
58) Tetrachloroethene	8.56	164	31472	2.164	ug/l	98
59) Chlorobenzene	9.45	112	82594	2.086	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.54	131	33287	2.286	ug/l	98
61) Pentachloroethane	11.43	117	27386	2.662	ug/l	97
62) Hexachloroethane	12.47	117	26113	2.071	ug/l	100
63) Ethyl Benzene	9.57	91	126106	1.863	ug/l	99
64) m/p-Xylenes	9.69	106	97479	3.829	ug/l	100
65) o-Xylene	10.10	106	45352	1.860	ug/l	96
66) Styrene	10.11	104	78286	1.826	ug/l	95
67) Bromoform	10.29	173	18614	2.399	ug/l	95
69) Isopropylbenzene	10.48	105	120357	1.807	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.78	83	38984	2.269	ug/l	99
71) 1,2,3-Trichloropropane	10.83	75	51663	3.912	ug/l	70
72) Bromobenzene	10.78	156	34009	2.154	ug/l	97
73) n-propylbenzene	10.90	120	34563	1.867	ug/l	98
74) 2-Chlorotoluene	10.99	126	32096	1.987	ug/l	97
75) 1,3,5-Trimethylbenzene	11.09	105	109158	1.868	ug/l	99
76) 4-Chlorotoluene	11.10	126	36167	2.080	ug/l	91
77) tert-Butylbenzene	11.42	119	104143	1.914	ug/l	97
78) 1,2,4-Trimethylbenzene	11.47	105	113845	1.853	ug/l	98
79) sec-Butylbenzene	11.64	105	147931	1.887	ug/l	100
80) Nitrobenzene	13.20	77	9248	12.988	ug/l #	98
81) p-Isopropyltoluene	11.79	119	118616	1.886	ug/l	98
82) 1,3-Dichlorobenzene	11.74	146	74652	2.162	ug/l	98
83) 1,4-Dichlorobenzene	11.83	146	78165	2.282	ug/l	99
84) n-Butylbenzene	12.20	91	118425	1.846	ug/l	99
85) 1,2-Dichlorobenzene	12.21	146	71328	2.151	ug/l	98
86) 1,2-Dibromo-3-Chloropropan	12.99	75	6955	2.207	ug/l	94
87) 1,2,4-Trichlorobenzene	13.83	180	37735	1.969	ug/l	96
88) Hexachlorobutadiene	14.01	225	23375	2.334	ug/l	98
89) Naphthalene	14.08	128	64694	1.731	ug/l	99
90) 1,2,3-Trichlorobenzene	14.32	180	37669	2.073	ug/l	100

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.13 min Scan# 1489

Delta R.T. 0.00 min

Lab File: VU040913.D

Acq: 22 Oct 2020 19:32

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 96 Resp: 54867

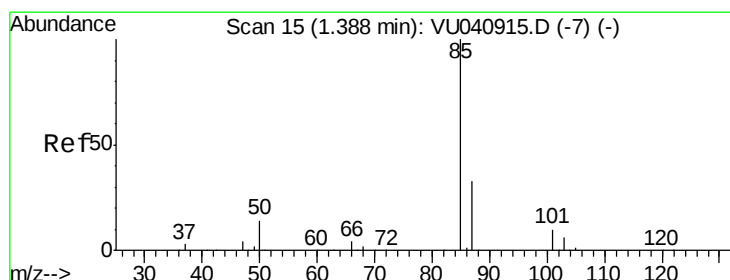
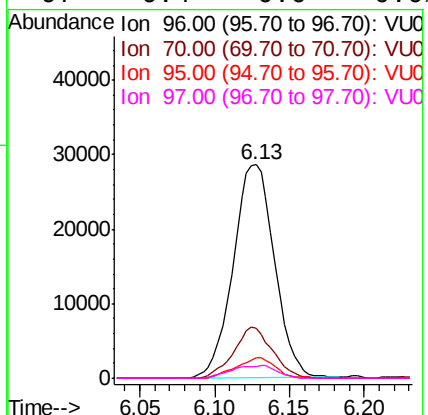
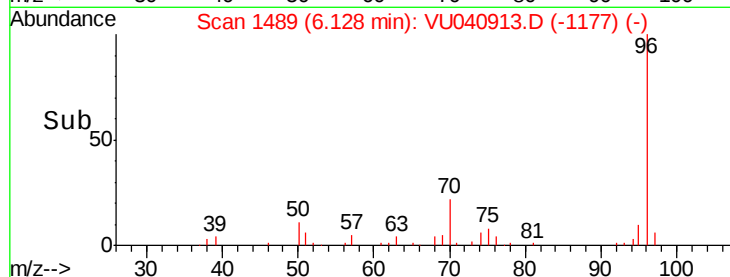
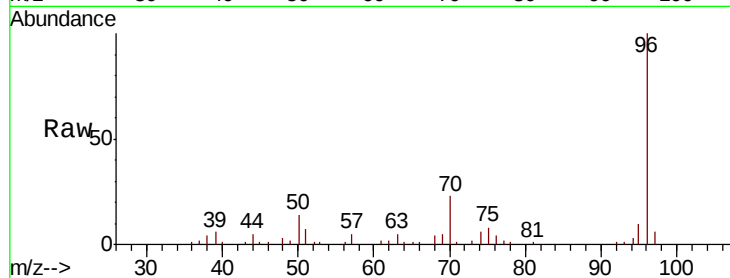
Ion Ratio Lower Upper

96 100

70 22.4 16.3 24.5

95 9.2 7.3 10.9

97 6.4 0.0 0.0#



#2

Dichlorodifluoromethane

Concen: 3.222 ug/l

RT: 1.39 min Scan# 16

Delta R.T. 0.00 min

Lab File: VU040913.D

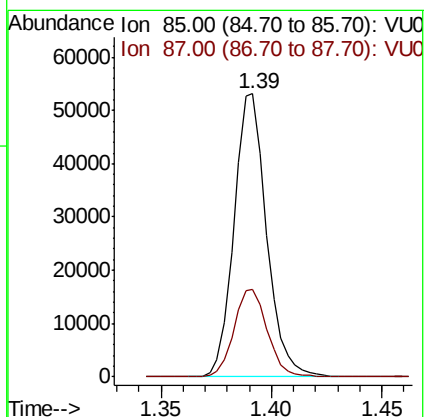
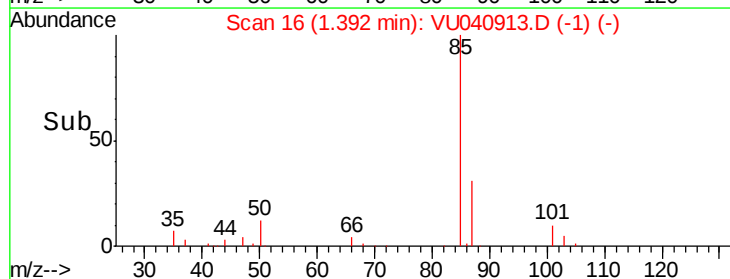
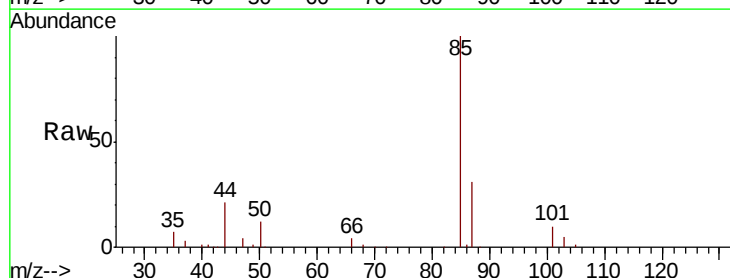
Acq: 22 Oct 2020 19:32

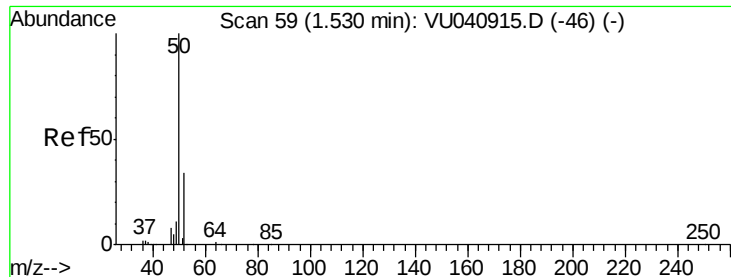
Tgt Ion: 85 Resp: 54591

Ion Ratio Lower Upper

85 100

87 31.0 16.5 49.5





#3

Chloromethane

Concen: 3.104 ug/l

RT: 1.53 min Scan# 59

Delta R.T. -0.00 min

Lab File: VU040913.D

Acq: 22 Oct 2020 19:32

Instrument :

MSVOA_U

ClientSampleId :

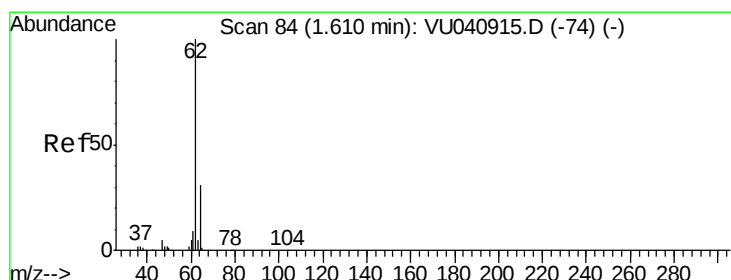
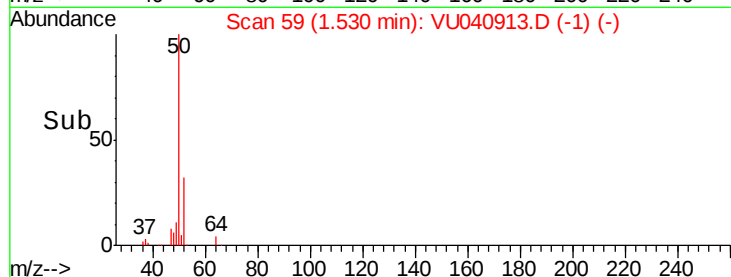
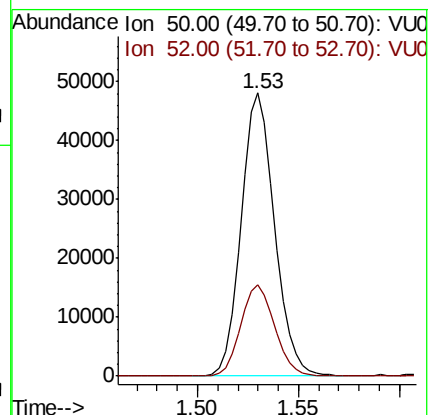
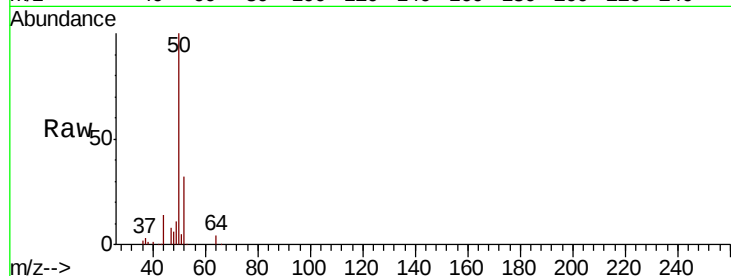
VSTDIC002

Tot Ion: 50 Resp: 55824

Ion Ratio Lower Upper

50 100

52 32.1 26.9 40.3



#4

Vinyl Chloride

Concen: 2.816 ug/l

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040913.D

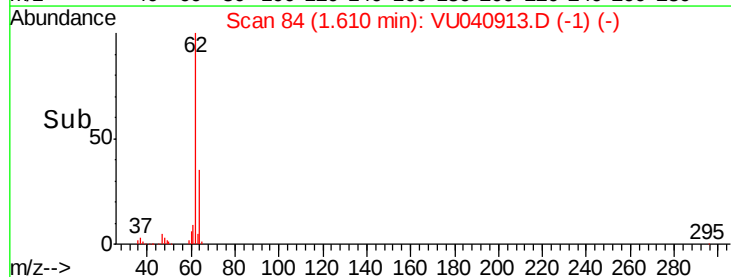
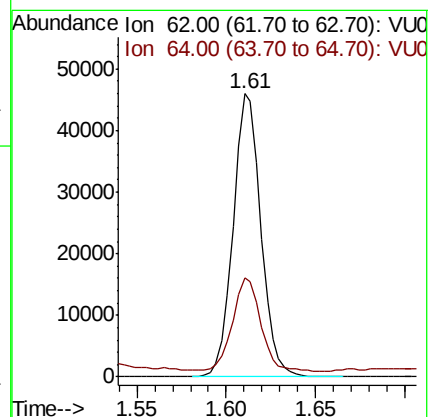
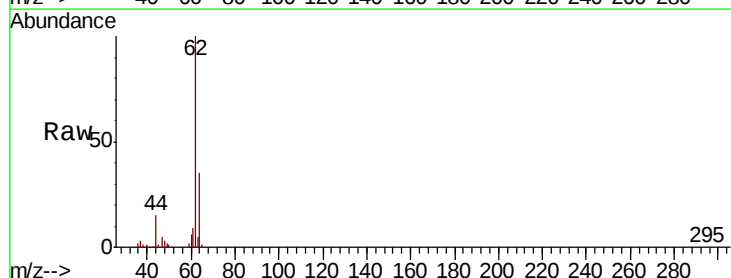
Acq: 22 Oct 2020 19:32

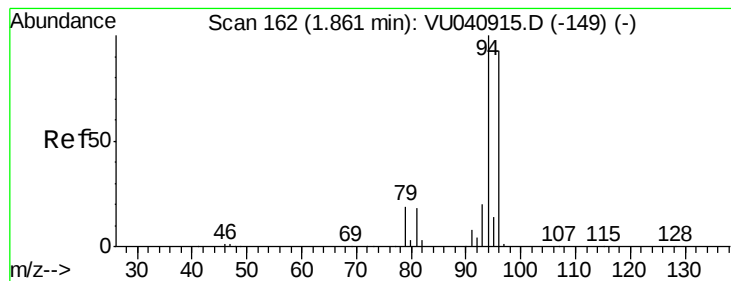
Tgt Ion: 62 Resp: 49596

Ion Ratio Lower Upper

62 100

64 32.4 24.7 37.1





#5

Bromomethane

Concen: 2.510 ug/l

RT: 1.86 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU040913.D

Acq: 22 Oct 2020 19:32

Instrument :

MSVOA_U

ClientSampleId :

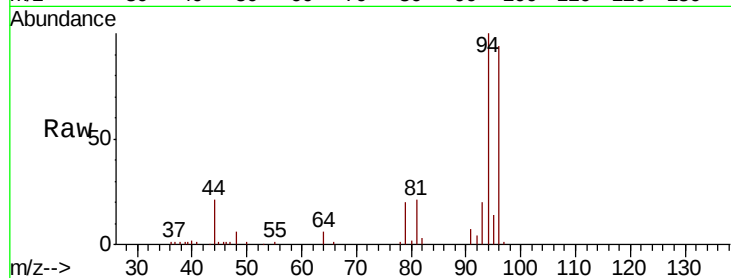
VSTDIC002

Tot Ion: 94 Resp: 31281

Ion Ratio Lower Upper

94 100

96 94.2 74.4 111.6



Abundance Ion 94.00 (93.70 to 94.70): VU040913.D (-149) (-)

Ion 96.00 (95.70 to 96.70): VU040913.D (-149) (-)

1.86

25000

20000

15000

10000

5000

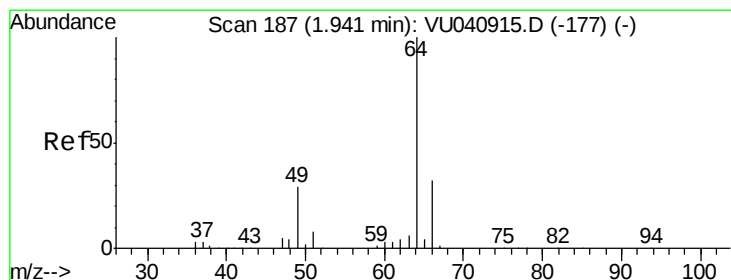
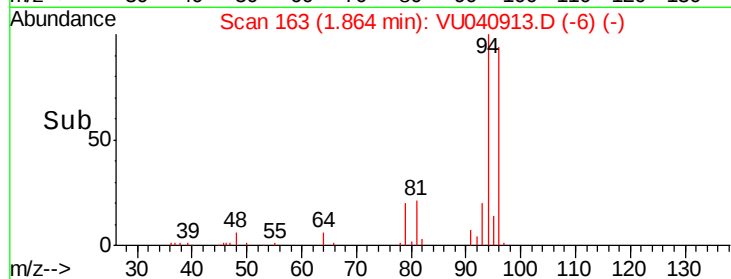
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Time-->

1.80

1.85

1.90



#6

Chloroethane

Concen: 2.821 ug/l

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU040913.D

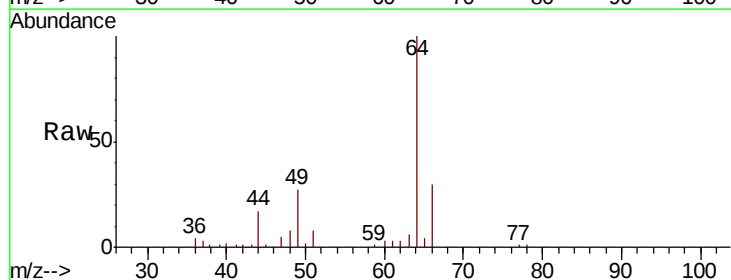
Acq: 22 Oct 2020 19:32

Tgt Ion: 64 Resp: 32158

Ion Ratio Lower Upper

64 100

66 32.2 25.4 38.2



Abundance Ion 64.00 (63.70 to 64.70): VU040913.D (-177) (-)

Ion 66.00 (65.70 to 66.70): VU040913.D (-177) (-)

1.94

25000

20000

15000

10000

5000

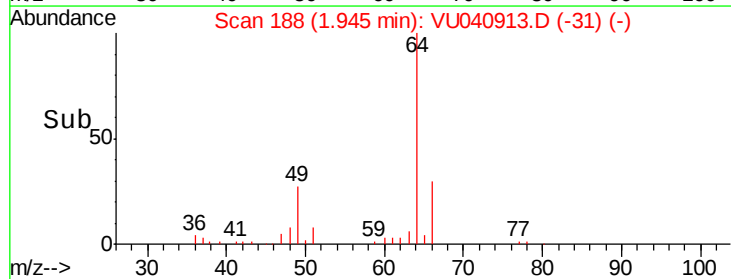
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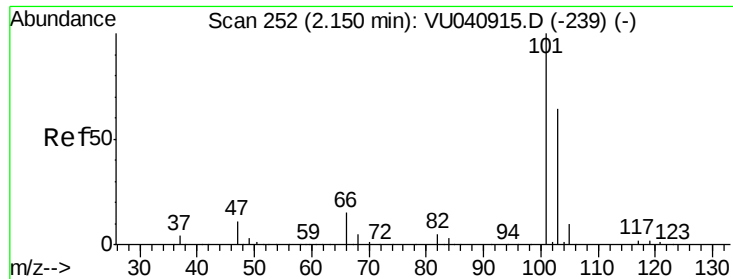
Time-->

1.90

1.95

2.00



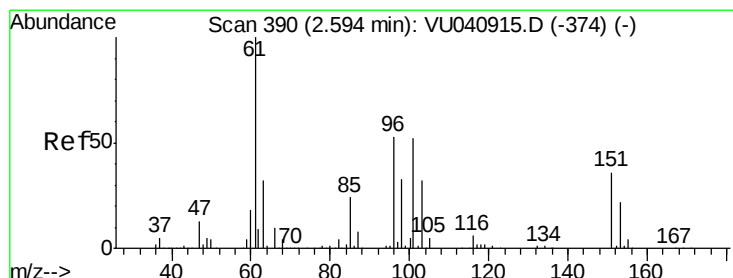
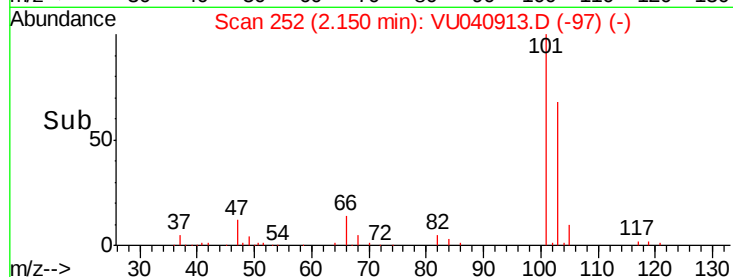
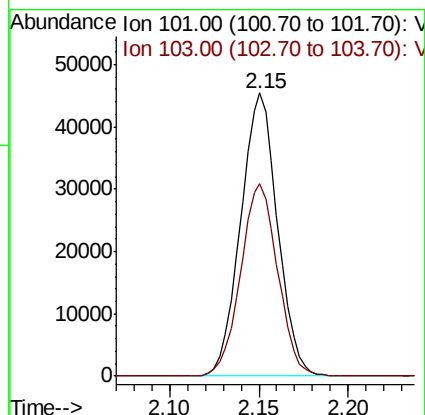
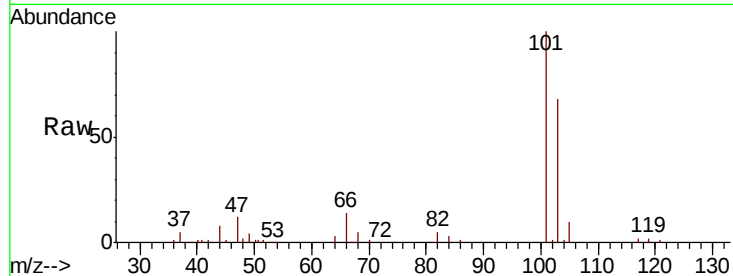


#7

Trichlorofluoromethane
 Concen: 2.580 ug/l
 RT: 2.15 min Scan# 252
 Delta R.T. -0.00 min
 Lab File: VU040913.D
 Acq: 22 Oct 2020 19:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

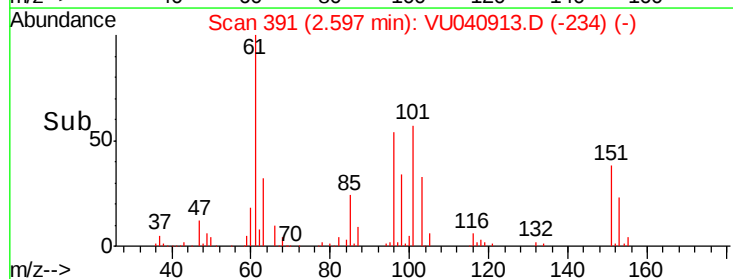
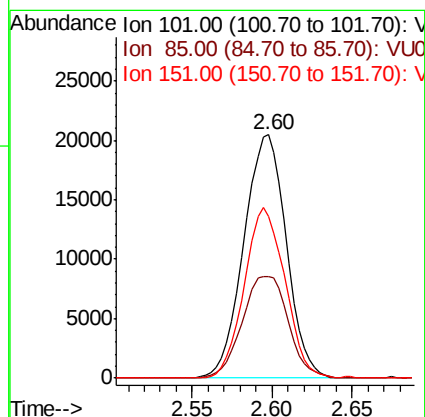
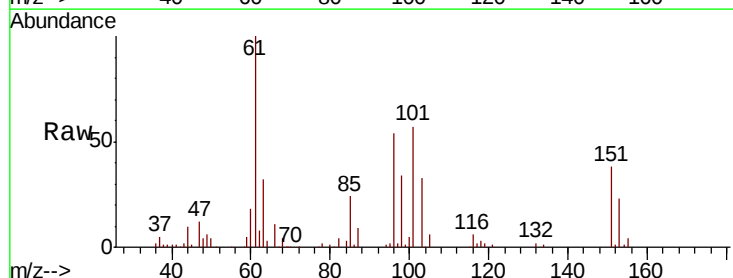
Tot Ion:101 Resp: 65414
 Ion Ratio Lower Upper
 101 100
 103 67.8 51.5 77.3

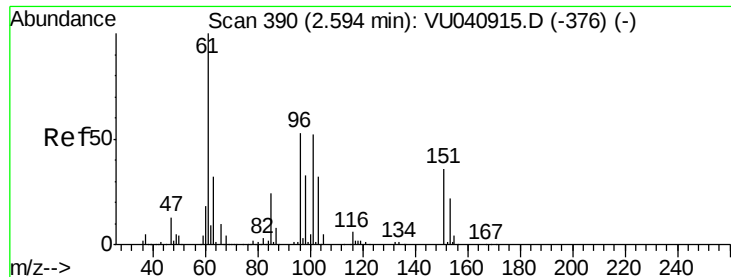


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 2.552 ug/l
 RT: 2.60 min Scan# 391
 Delta R.T. 0.00 min
 Lab File: VU040913.D
 Acq: 22 Oct 2020 19:32

Tgt Ion:101 Resp: 37097
 Ion Ratio Lower Upper
 101 100
 85 45.2 36.2 54.2
 151 67.0 55.1 82.7





#9

1,1-Dichloroethene

Concen: 2.509 ug/l

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU040913.D

Acq: 22 Oct 2020 19:32

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

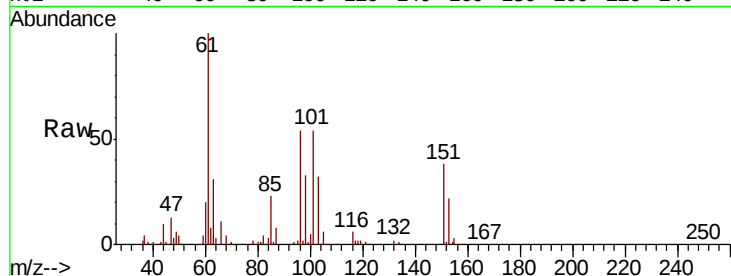
Tot Ion: 96 Resp: 31121

Ion Ratio Lower Upper

96 100

61 185.2 0.0 561.9

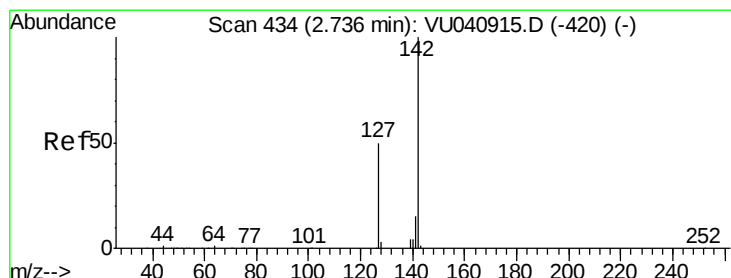
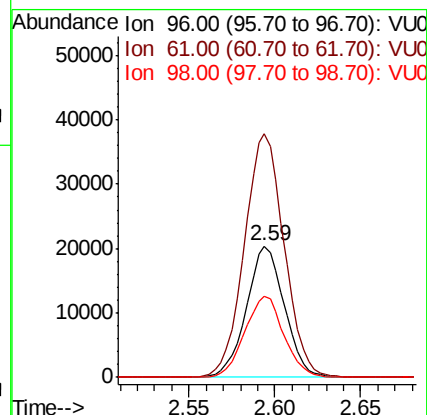
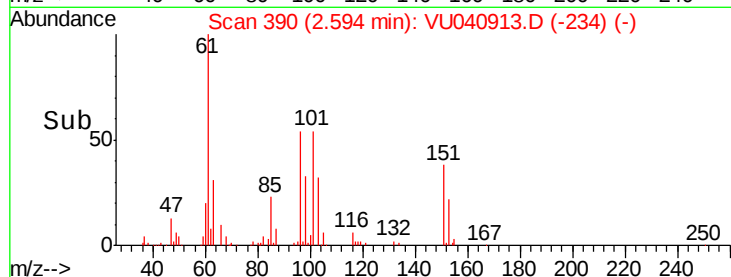
98 61.9 0.0 125.0



Abundance Ion 96.00 (95.70 to 96.70): VU040913.D (-234) (-)

Ion 61.00 (60.70 to 61.70): VU040913.D (-234) (-)

Ion 98.00 (97.70 to 98.70): VU040913.D (-234) (-)



#10

Iodomethane

Concen: 2.748 ug/l

RT: 2.74 min Scan# 434

Delta R.T. -0.00 min

Lab File: VU040913.D

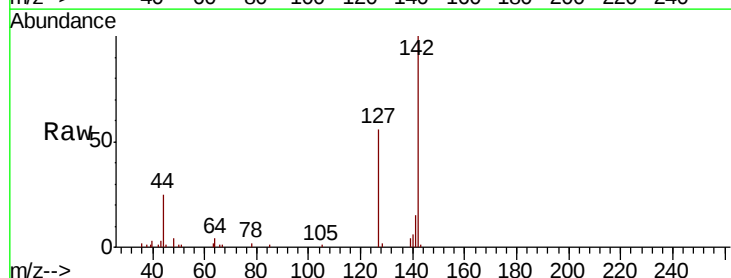
Acq: 22 Oct 2020 19:32

Tgt Ion: 142 Resp: 28130

Ion Ratio Lower Upper

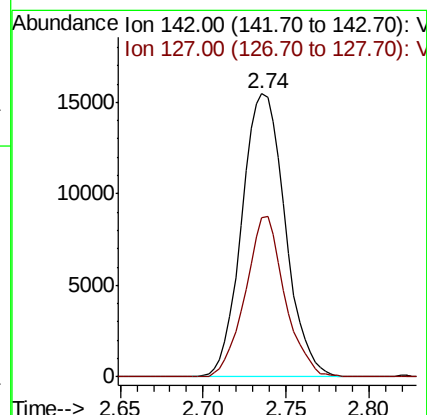
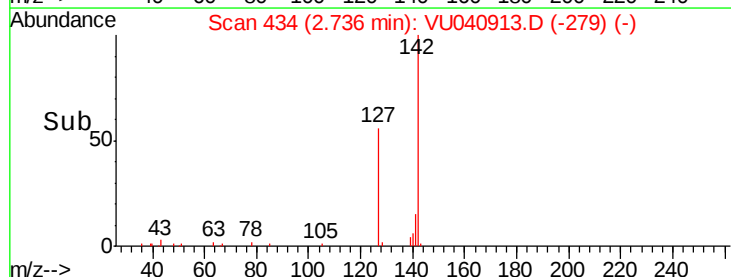
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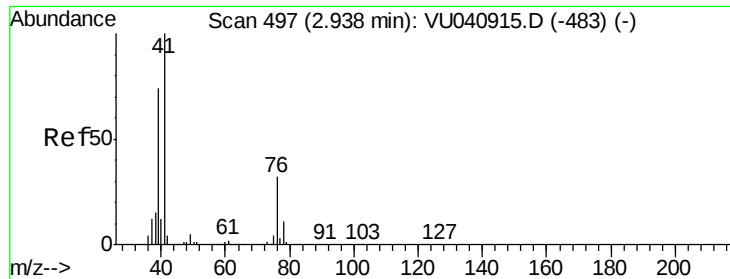
127 51.3 40.6 60.8



Abundance Ion 142.00 (141.70 to 142.70): VU040913.D (-279) (-)

Ion 127.00 (126.70 to 127.70): VU040913.D (-279) (-)

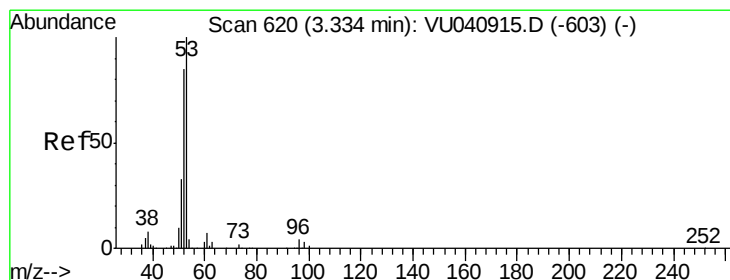
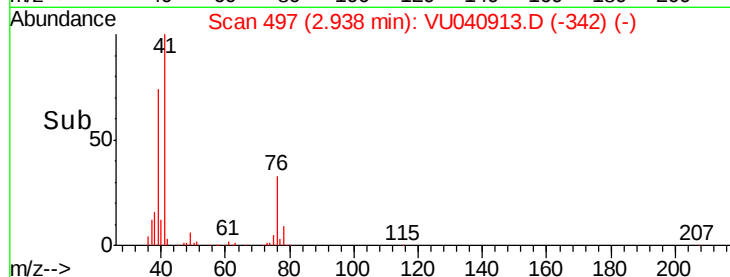
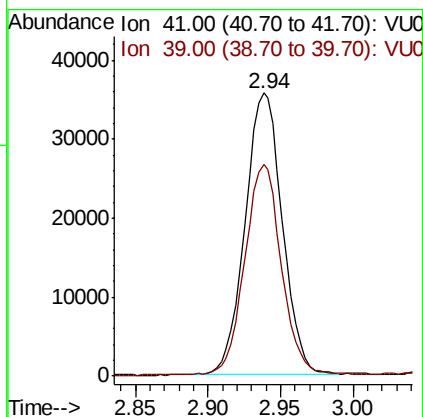
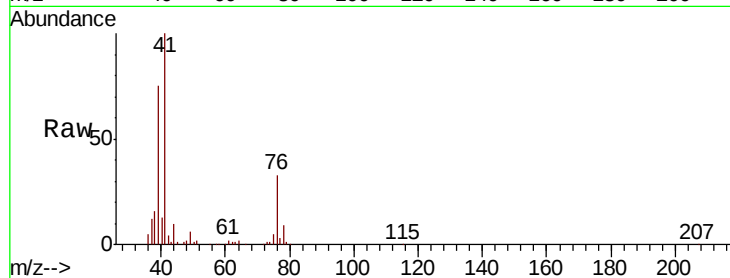




#11
Allvl Chloride
Concen: 2.584 ug/l
RT: 2.94 min Scan# 497
Delta R.T. -0.00 min
Lab File: VU040913.D
Acq: 22 Oct 2020 19:32

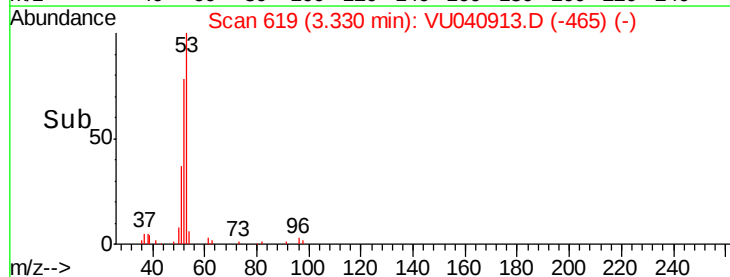
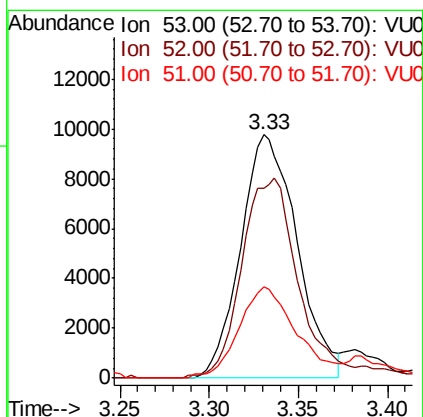
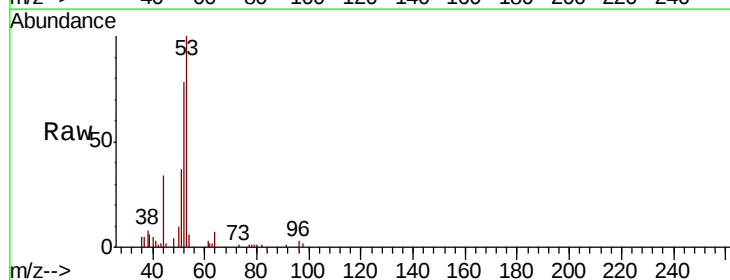
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

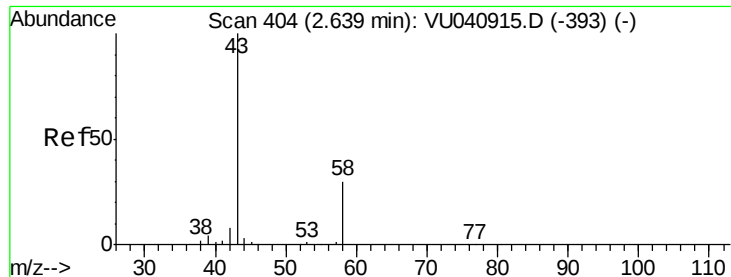
Tot Ion: 41 Resp: 63866
Ion Ratio Lower Upper
41 100
39 73.3 59.0 88.4



#12
Acrylonitrile
Concen: 4.970 ug/l
RT: 3.33 min Scan# 619
Delta R.T. -0.00 min
Lab File: VU040913.D
Acq: 22 Oct 2020 19:32

Tgt Ion: 53 Resp: 21531
Ion Ratio Lower Upper
53 100
52 84.8 63.1 94.7
51 38.7 30.6 46.0





#13

Acetone

Concen: 11.318 ug/l

RT: 2.64 min Scan# 404

Delta R.T. -0.00 min

Lab File: VU040913.D

Acq: 22 Oct 2020 19:32

Instrument :

MSVOA_U

ClientSampleId :

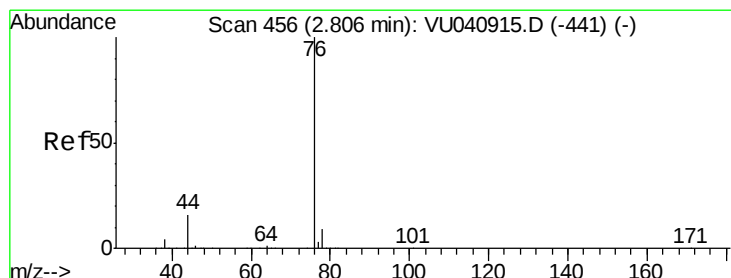
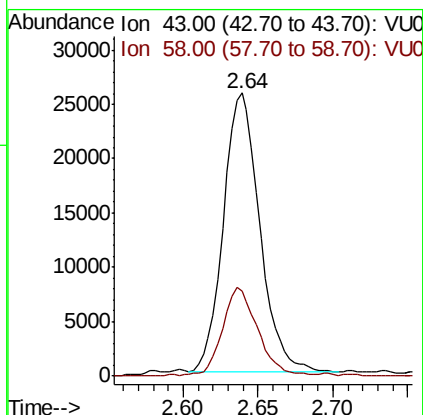
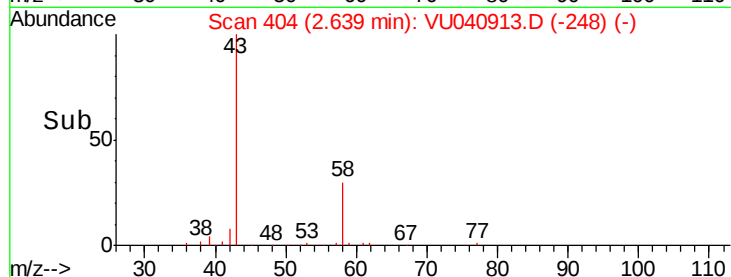
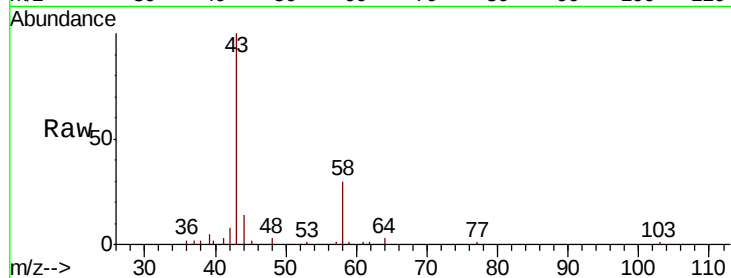
VSTDIC002

Tot Ion: 43 Resp: 43621

Ion Ratio Lower Upper

43 100

58 30.1 23.6 35.4



#14

Carbon Disulfide

Concen: 3.167 ug/l

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU040913.D

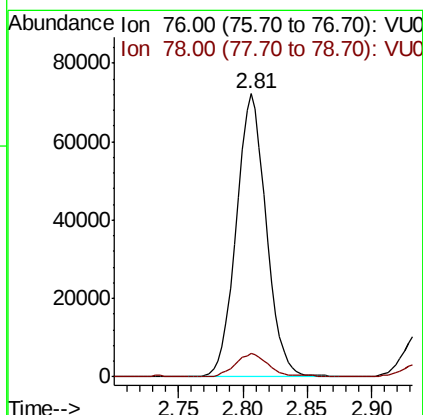
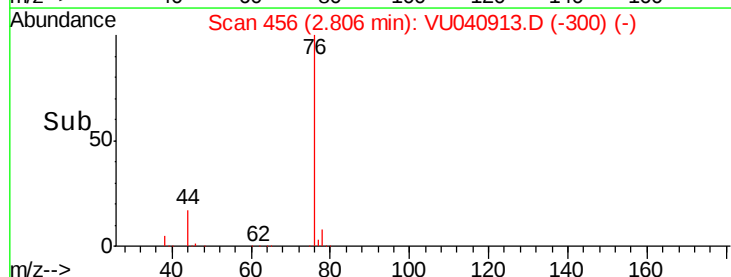
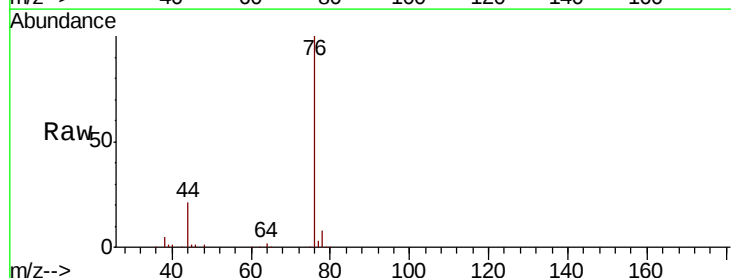
Acq: 22 Oct 2020 19:32

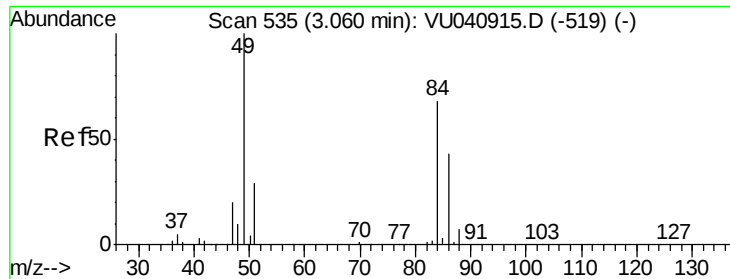
Tgt Ion: 76 Resp: 116685

Ion Ratio Lower Upper

76 100

78 8.2 7.1 10.7

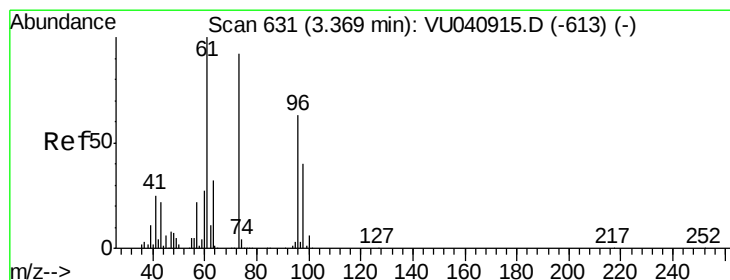
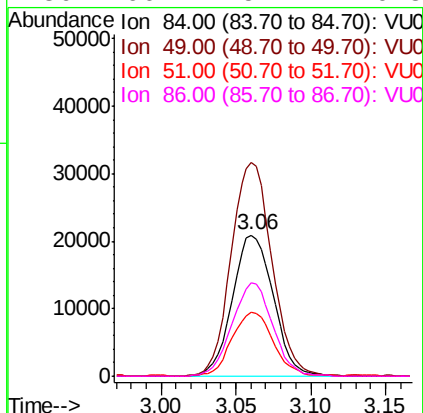
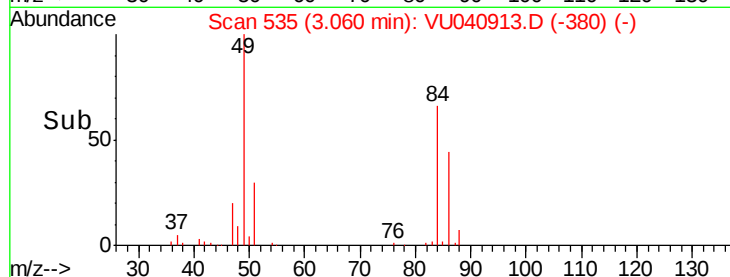
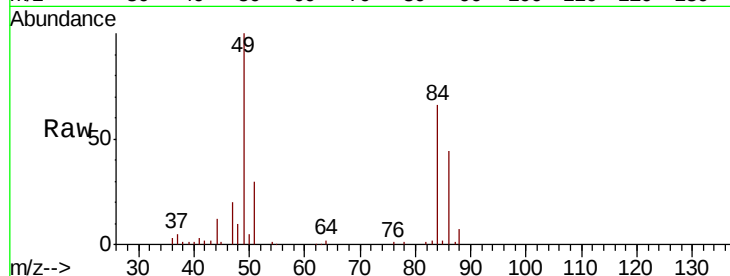




#15
Methvlene Chloride
Concen: 2.137 ug/l
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU040913.D
Acq: 22 Oct 2020 19:32

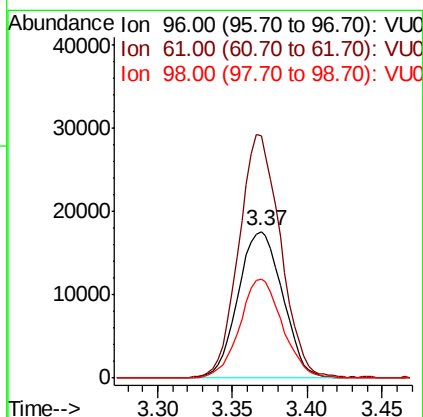
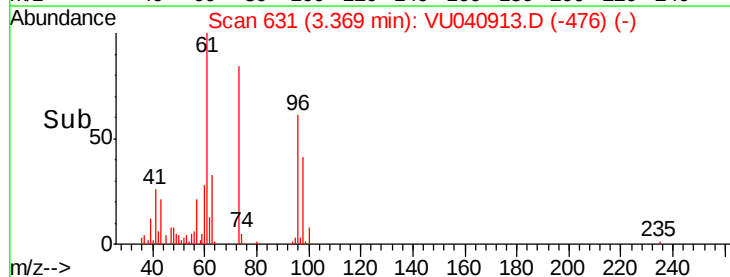
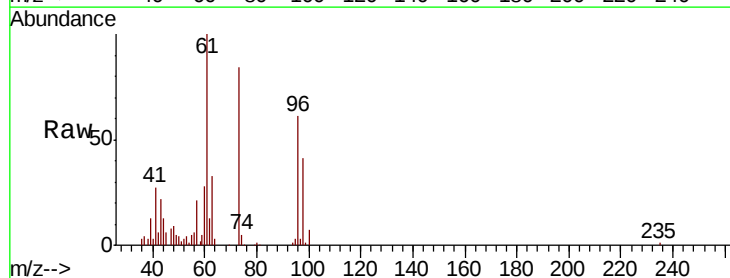
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

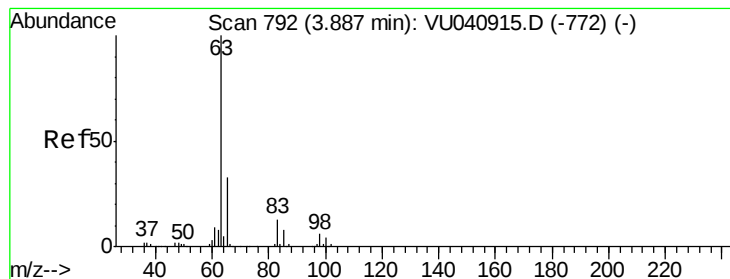
Tot Ion:	84	Resp:	39801
Ion	Ratio	Lower	Upper
84	100		
49	150.8	118.2	177.4
51	45.0	0.0	86.8
86	66.1	51.2	76.8



#16
trans-1,2-Dichloroethene
Concen: 2.707 ug/l
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU040913.D
Acq: 22 Oct 2020 19:32

Tgt Ion:	96	Resp:	36544
Ion	Ratio	Lower	Upper
96	100		
61	164.7	127.0	190.4
98	67.4	51.2	76.8





#17

1,1-Dichloroethane

Concen: 2.447 ug/l

RT: 3.89 min Scan# 792

Delta R.T. -0.00 min

Lab File: VU040913.D

Acq: 22 Oct 2020 19:32

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

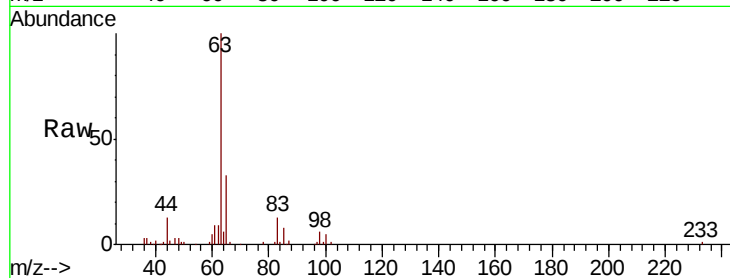
Tot Ion: 63 Resp: 71621

Ion Ratio Lower Upper

63 100

98 6.4 3.0 9.2

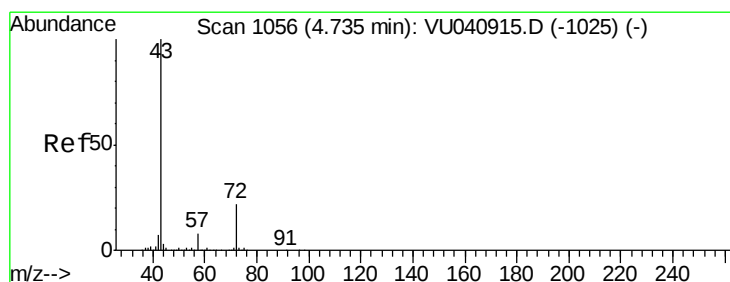
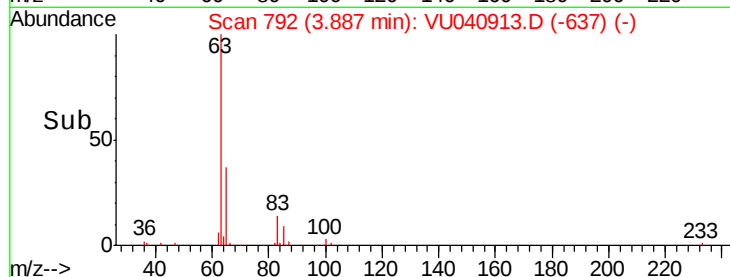
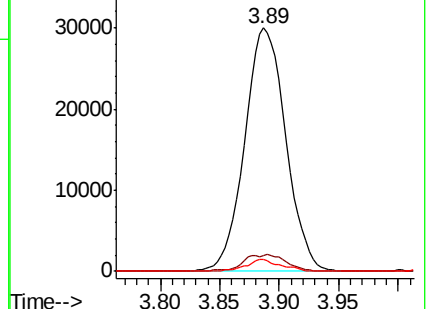
100 4.7 1.8 5.5



Abundance Ion 63.00 (62.70 to 63.70): VU040913.D (-637) (-)

Ion 98.00 (97.70 to 98.70): VU040913.D (-980) (-)

Ion 100.00 (99.70 to 100.70): VU040913.D (-1000) (-)



#18

2-Butanone

Concen: 12.651 ug/l

RT: 4.74 min Scan# 1056

Delta R.T. -0.00 min

Lab File: VU040913.D

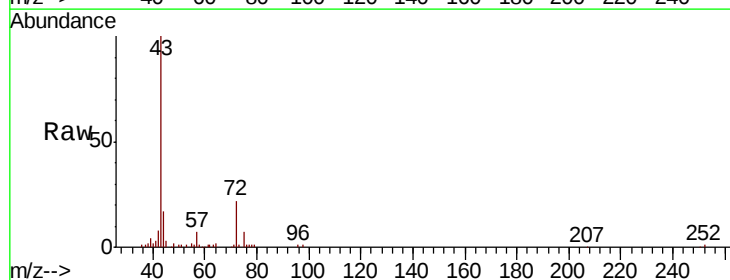
Acq: 22 Oct 2020 19:32

Tgt Ion: 43 Resp: 76281

Ion Ratio Lower Upper

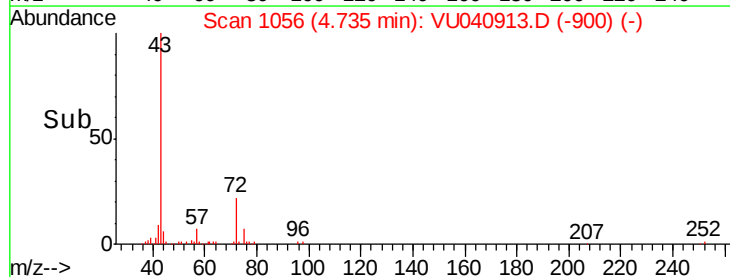
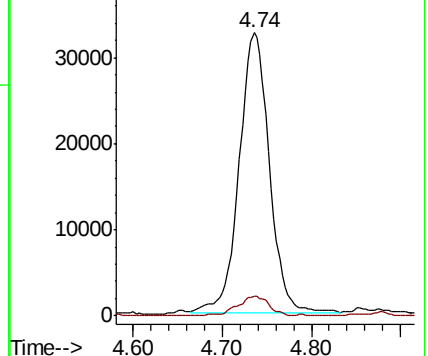
43 100

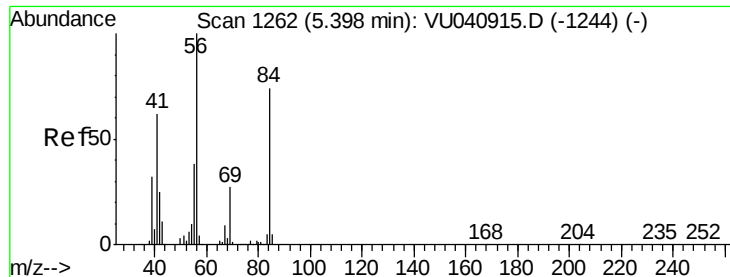
57 6.8 0.0 15.2



Abundance Ion 43.00 (42.70 to 43.70): VU040913.D (-900) (-)

Ion 57.00 (56.70 to 57.70): VU040913.D (-570) (-)

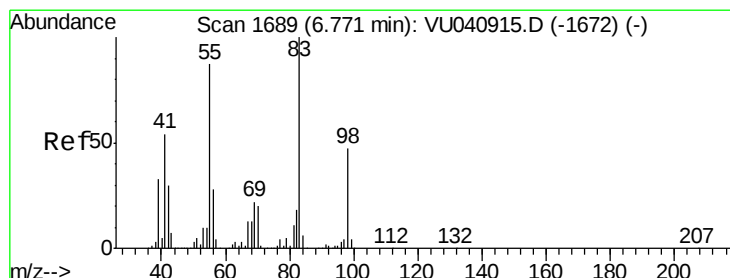
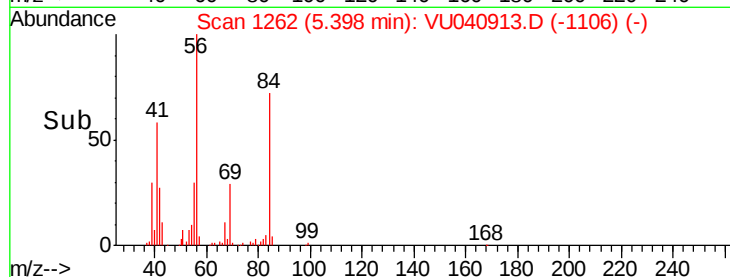
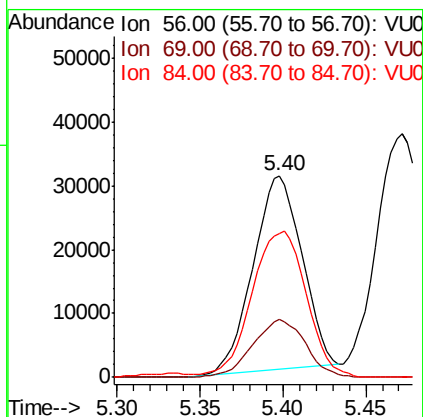
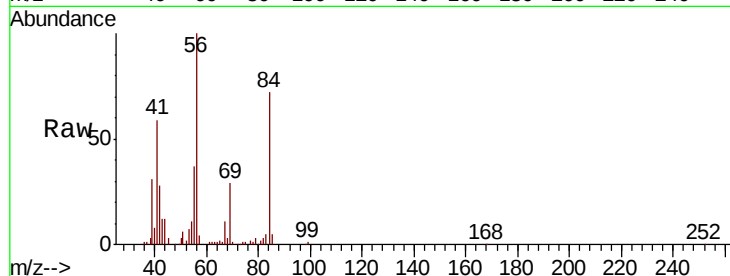




#19
Cyclohexane
Concen: 2.484 ug/l
RT: 5.40 min Scan# 1262
Delta R.T. -0.00 min
Lab File: VU040913.D
Acq: 22 Oct 2020 19:32

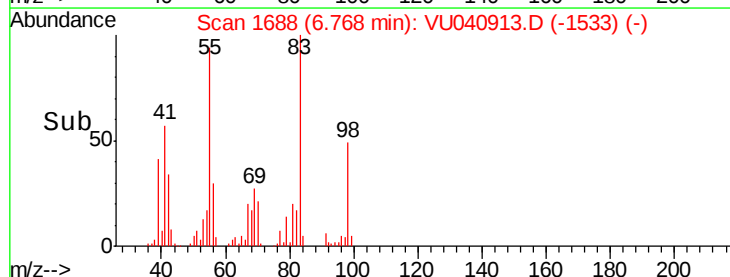
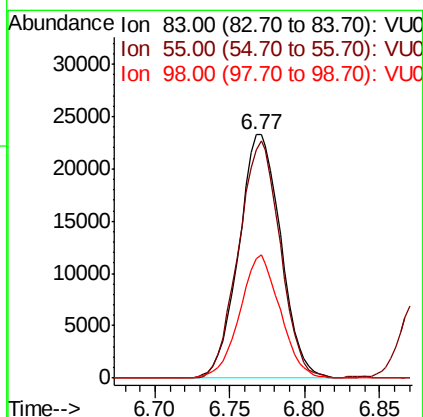
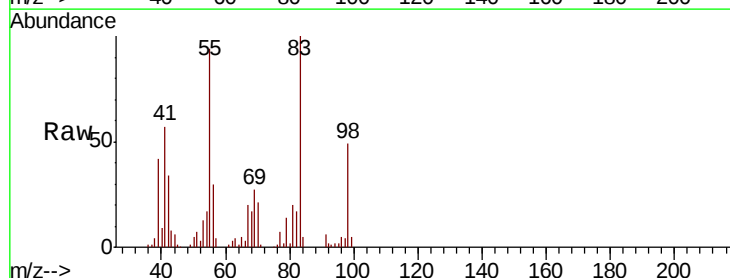
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

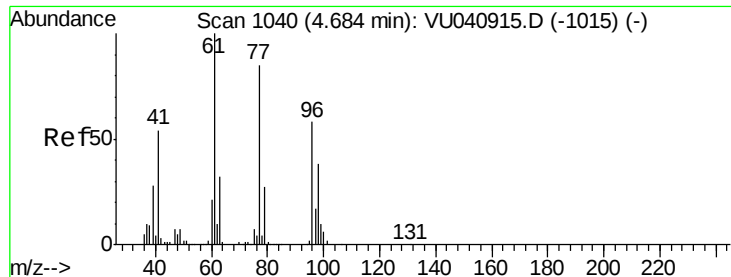
Tot Ion: 56 Resp: 62221
Ion Ratio Lower Upper
56 100
69 32.3 22.2 33.2
84 82.3 60.1 90.1



#20
Methylcyclohexane
Concen: 2.034 ug/l
RT: 6.77 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VU040913.D
Acq: 22 Oct 2020 19:32

Tgt Ion: 83 Resp: 45570
Ion Ratio Lower Upper
83 100
55 96.4 71.0 106.4
98 48.3 38.1 57.1





#21

2,2-Dichloropropane

Concen: 2.260 ug/l

RT: 4.68 min Scan# 1039

Delta R.T. -0.00 min

Lab File: VU040913.D

Acq: 22 Oct 2020 19:32

Instrument :

MSVOA_U

ClientSampleId :

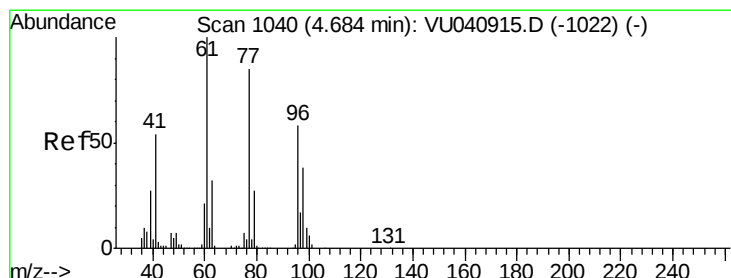
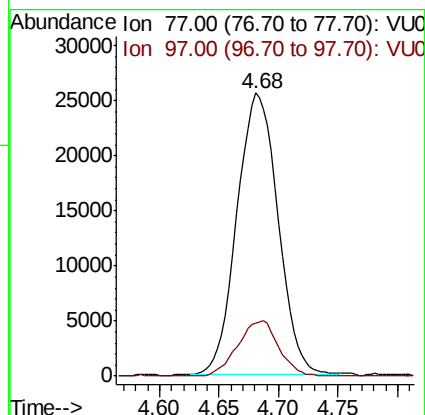
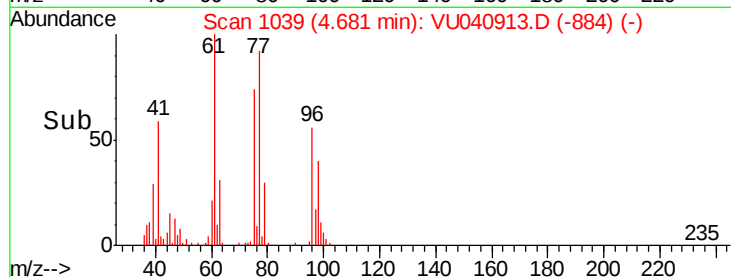
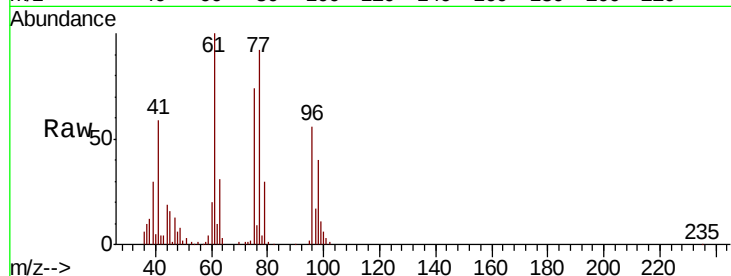
VSTDIC002

Tot Ion: 77 Resp: 61402

Ion Ratio Lower Upper

77 100

97 19.4 16.0 24.0



#22

cis-1,2-Dichloroethene

Concen: 2.480 ug/l

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040913.D

Acq: 22 Oct 2020 19:32

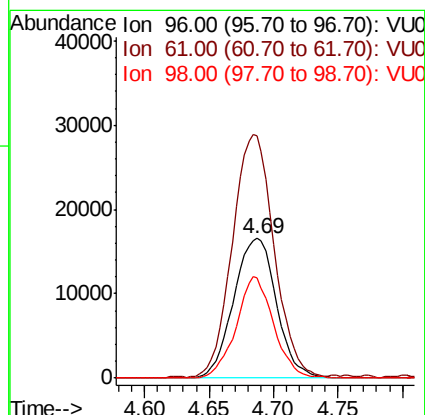
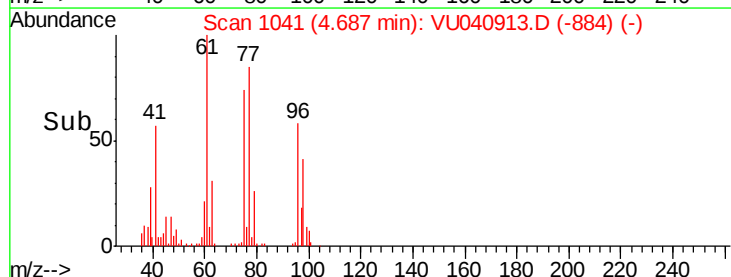
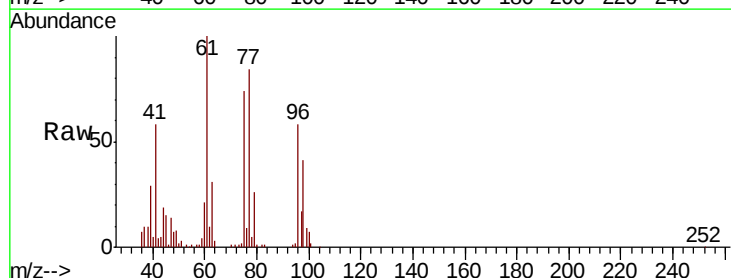
Tgt Ion: 96 Resp: 38208

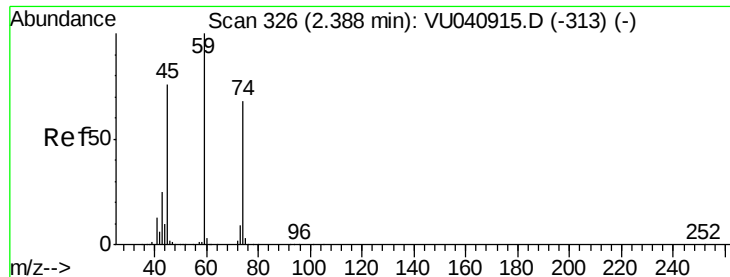
Ion Ratio Lower Upper

96 100

61 168.4 0.0 434.5

98 63.7 32.6 97.8

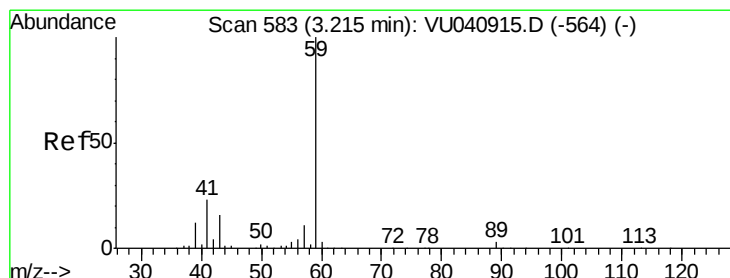
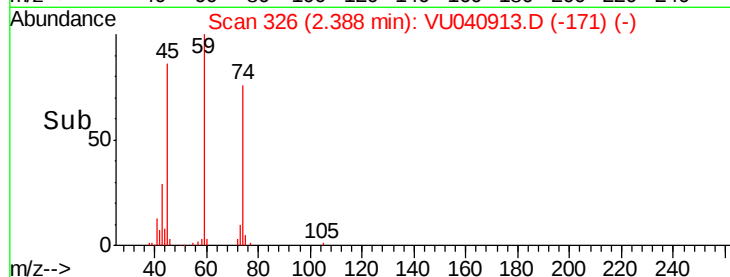
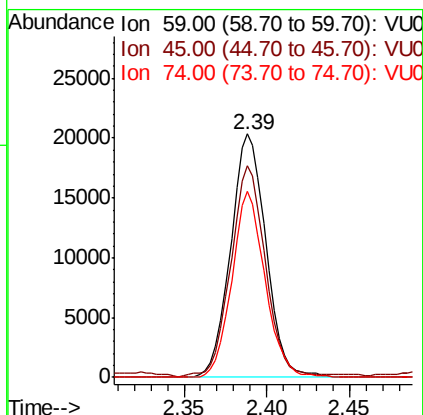
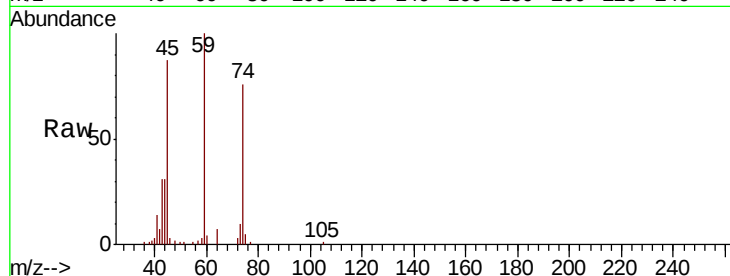




#23
Diethyl Ether
Concen: 2.533 ug/l
RT: 2.39 min Scan# 326
Delta R.T. -0.00 min
Lab File: VU040913.D
Acq: 22 Oct 2020 19:32

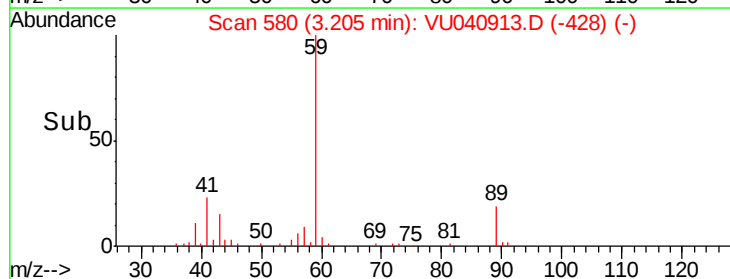
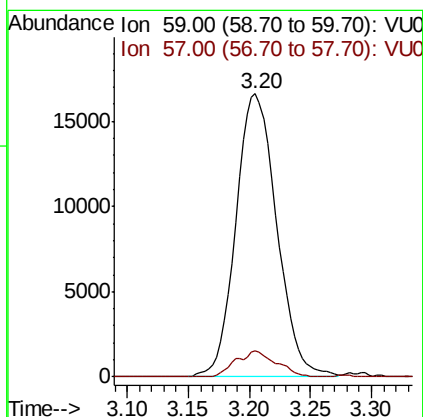
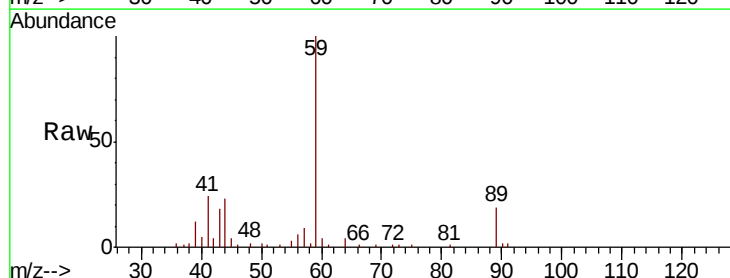
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

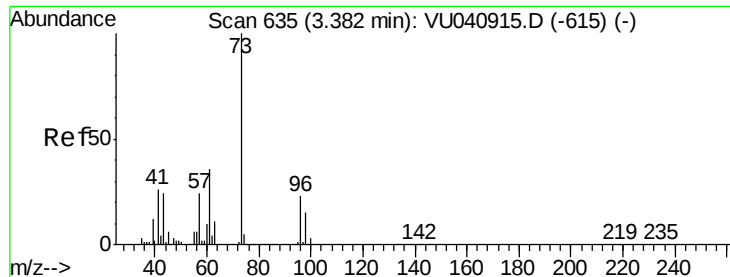
Tot Ion: 59 Resp: 30080
Ion Ratio Lower Upper
59 100
45 86.2 61.4 92.2
74 72.0 55.0 82.4



#24
tert-Butyl Alcohol
Concen: 24.622 ug/l
RT: 3.20 min Scan# 580
Delta R.T. -0.01 min
Lab File: VU040913.D
Acq: 22 Oct 2020 19:32

Tgt Ion: 59 Resp: 38522
Ion Ratio Lower Upper
59 100
57 9.1 8.4 12.6

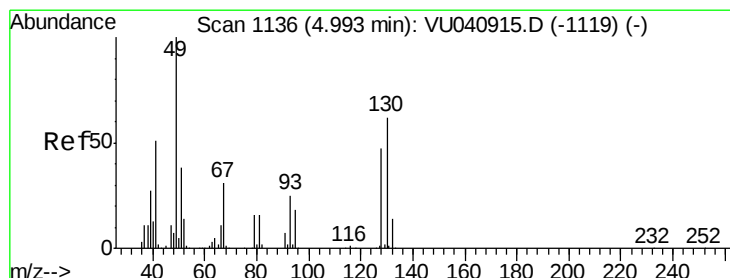
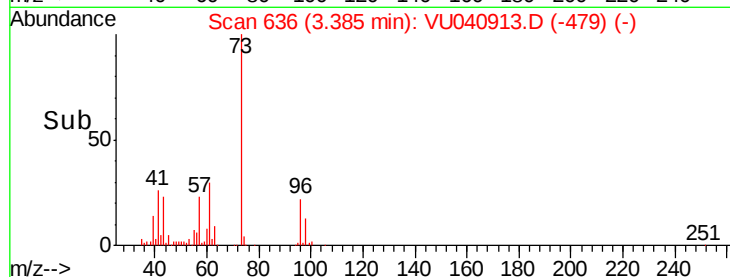
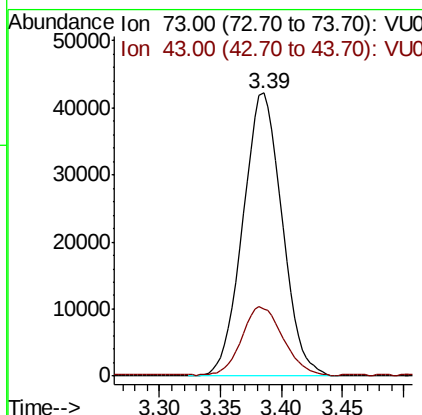
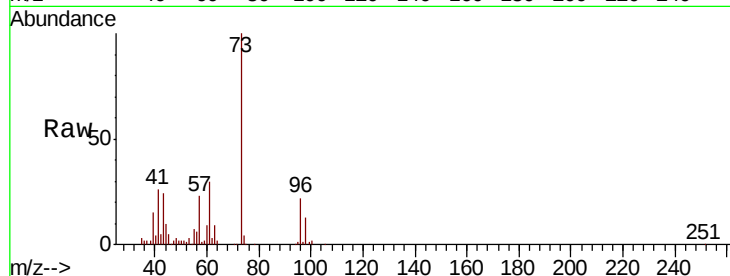




#25
Methvl tert-Butvl Ether
Concen: 2.304 ug/l
RT: 3.39 min Scan# 636
Delta R.T. 0.00 min
Lab File: VU040913.D
Acq: 22 Oct 2020 19:32

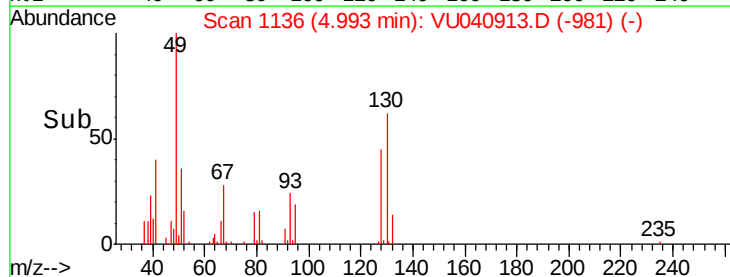
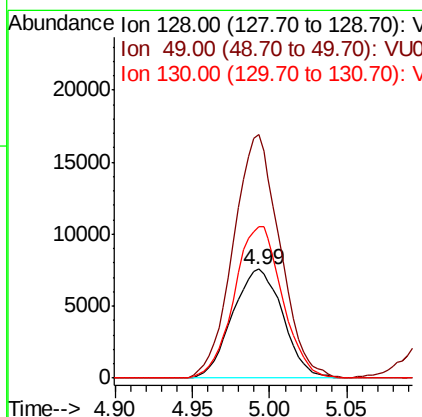
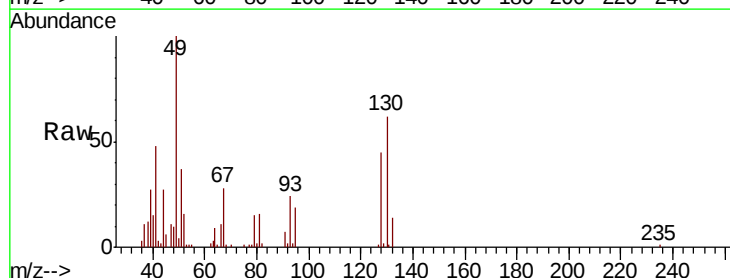
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

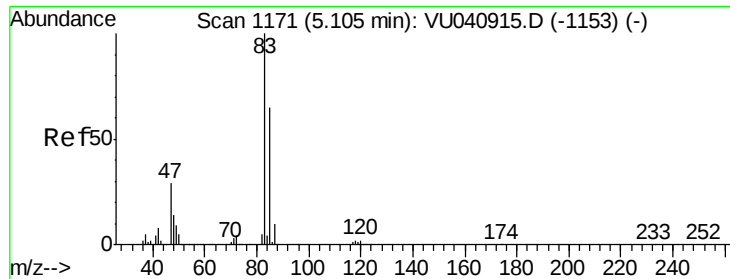
Tot Ion: 73 Resp: 93821
Ion Ratio Lower Upper
73 100
43 25.6 19.0 28.6



#26
Bromochloromethane
Concen: 2.528 ug/l
RT: 4.99 min Scan# 1136
Delta R.T. -0.00 min
Lab File: VU040913.D
Acq: 22 Oct 2020 19:32

Tgt Ion: 128 Resp: 17042
Ion Ratio Lower Upper
128 100
49 207.8 0.0 426.4
130 133.2 106.2 159.4

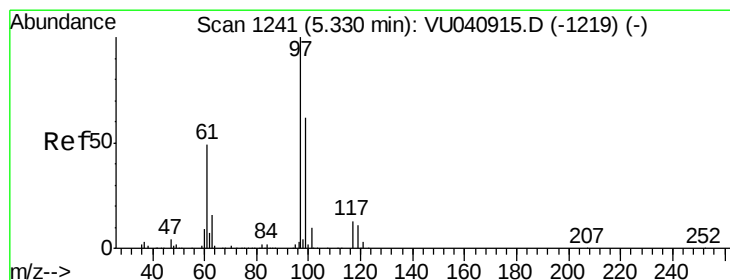
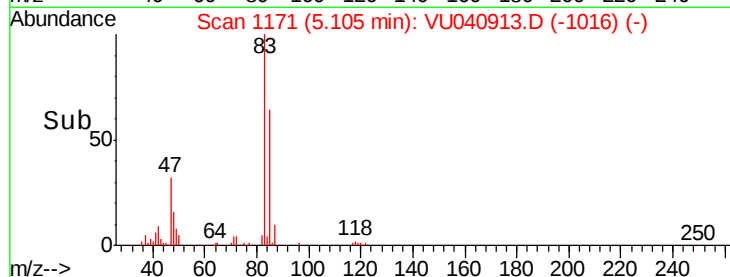
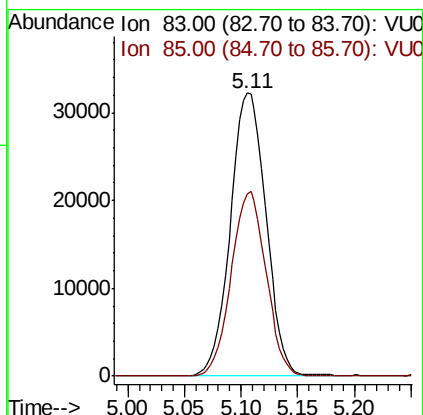
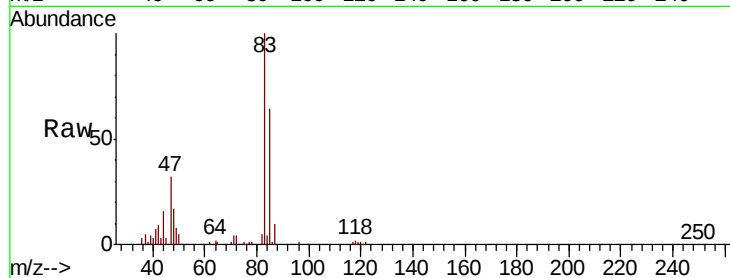




#27
Chloroform
Concen: 2.413 ug/l
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU040913.D
Acq: 22 Oct 2020 19:32

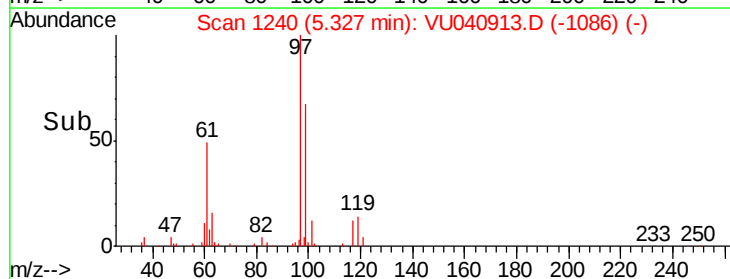
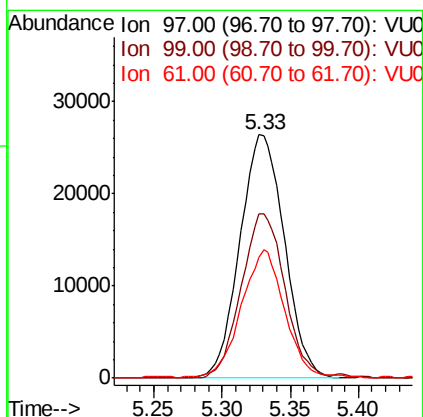
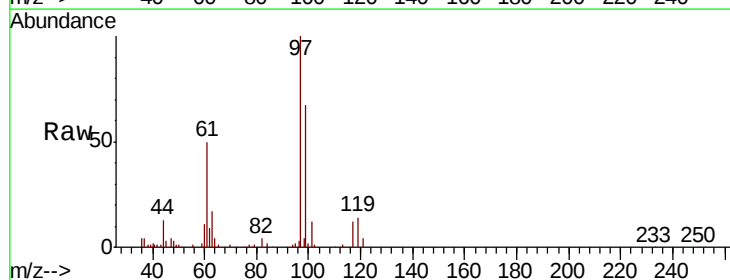
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

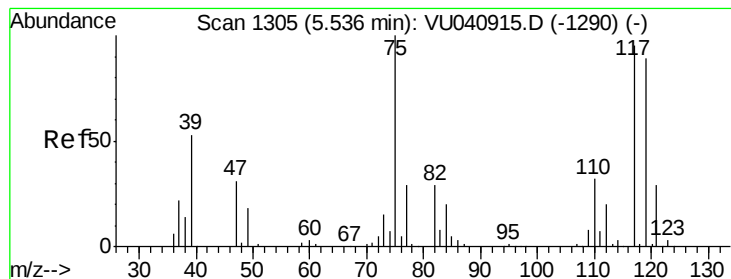
Tot Ion: 83 Resp: 70762
Ion Ratio Lower Upper
83 100
85 64.4 0.0 129.0



#28
1,1,1-Trichloroethane
Concen: 2.356 ug/l
RT: 5.33 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VU040913.D
Acq: 22 Oct 2020 19:32

Tgt Ion: 97 Resp: 59763
Ion Ratio Lower Upper
97 100
99 65.9 31.4 94.3
61 51.9 24.7 74.1





#29

1,1-Dichloropropene

Concen: 2.359 ug/l

RT: 5.54 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU040913.D

Acq: 22 Oct 2020 19:32

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

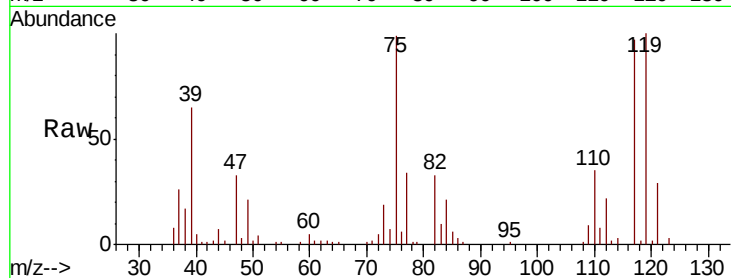
Tot Ion: 75 Resp: 51394

Ion Ratio Lower Upper

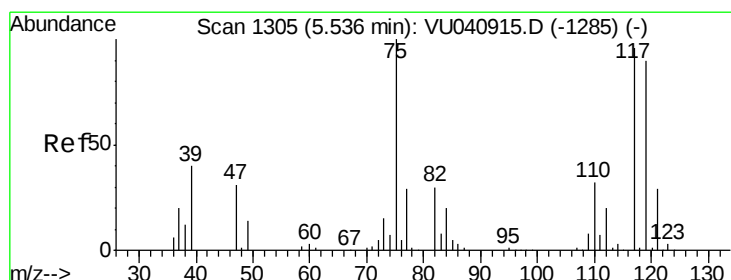
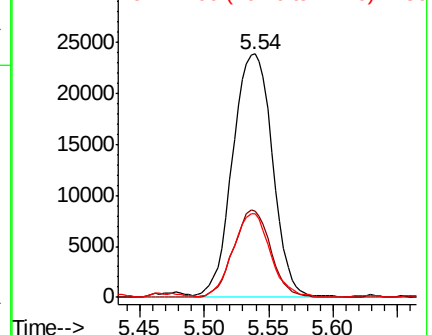
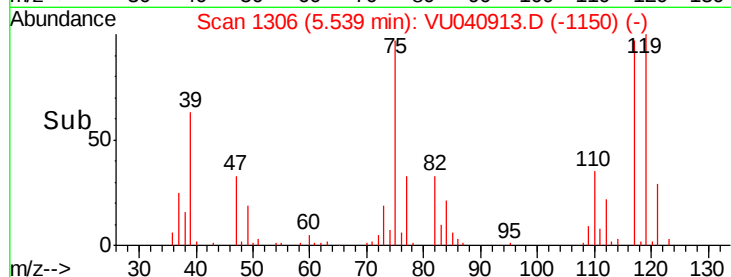
75 100

110 33.2 15.9 47.6

77 32.5 24.2 36.2



Abundance Ion 75.00 (74.70 to 75.70): VU040913.D (-1150) (-)



#30

Carbon Tetrachloride

Concen: 2.345 ug/l

RT: 5.54 min Scan# 1305

Delta R.T. -0.00 min

Lab File: VU040913.D

Acq: 22 Oct 2020 19:32

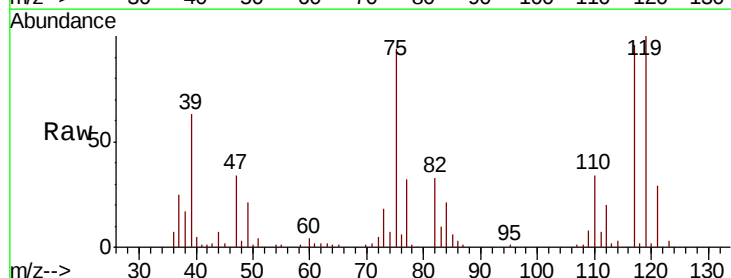
Tgt Ion: 117 Resp: 53812

Ion Ratio Lower Upper

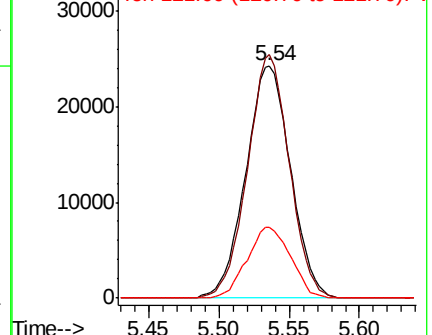
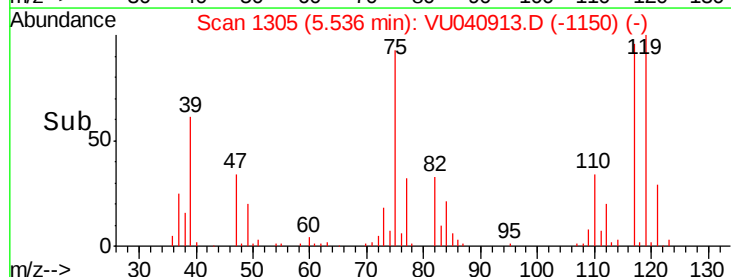
117 100

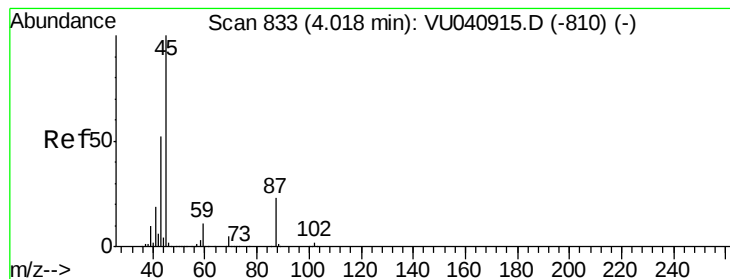
119 104.6 74.9 112.3

121 30.3 24.1 36.1



Abundance Ion 117.00 (116.70 to 117.70): VU040913.D (-1150) (-)





#31

Isopropyl Ether

Concen: 2.230 ug/l

RT: 4.02 min Scan# 833

Delta R.T. -0.00 min

Lab File: VU040913.D

Acq: 22 Oct 2020 19:32

Instrument :

MSVOA_U

ClientSampleId :

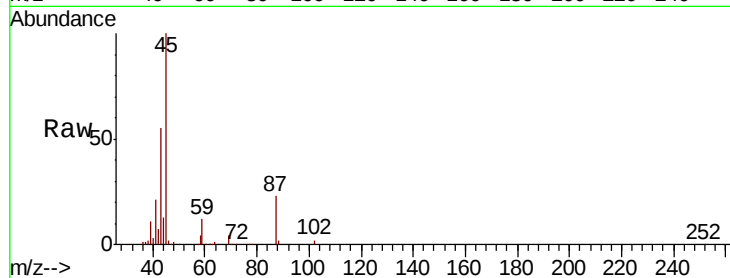
VSTDIC002

Tot Ion: 45 Resp: 109816

Ion Ratio Lower Upper

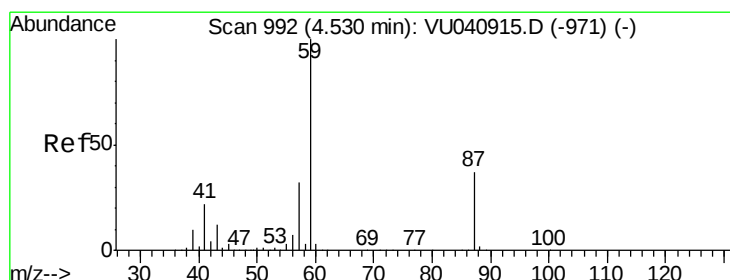
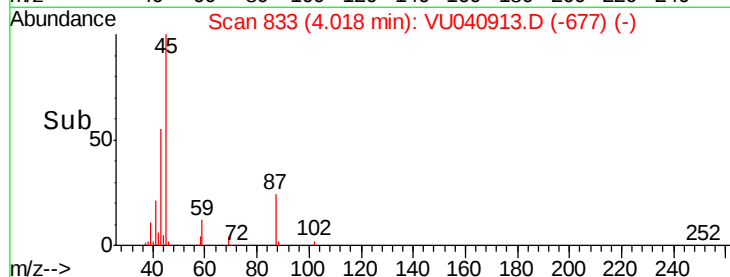
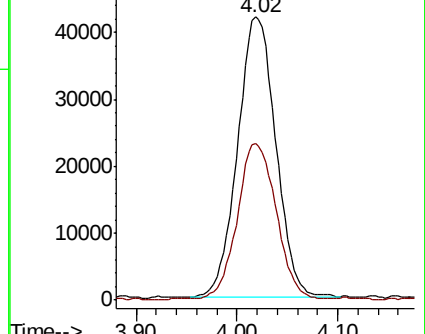
45 100

43 56.2 26.8 80.3



Abundance Ion 45.00 (44.70 to 45.70): VU040913.D (-836) (-)

Ion 43.00 (42.70 to 43.70): VU040913.D (-836) (-)



#32

Ethyl-t-butyl ether

Concen: 2.234 ug/l

RT: 4.53 min Scan# 991

Delta R.T. -0.00 min

Lab File: VU040913.D

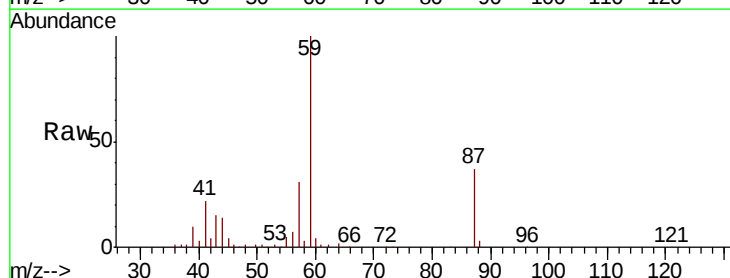
Acq: 22 Oct 2020 19:32

Tgt Ion: 59 Resp: 99084

Ion Ratio Lower Upper

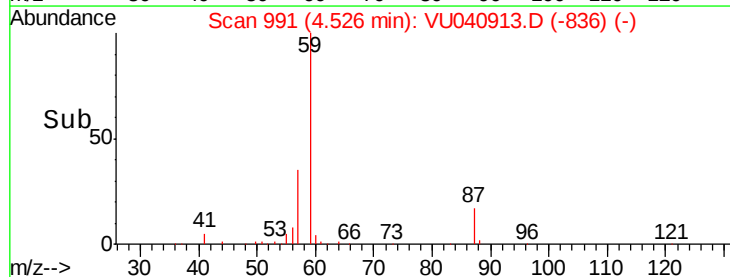
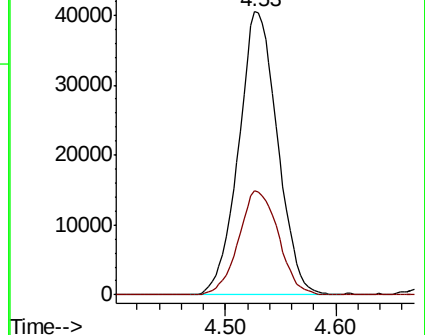
59 100

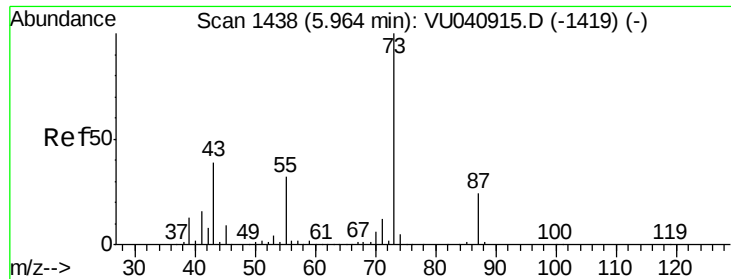
87 37.6 30.6 46.0



Abundance Ion 59.00 (58.70 to 59.70): VU040913.D (-836) (-)

Ion 87.00 (86.70 to 87.70): VU040913.D (-836) (-)

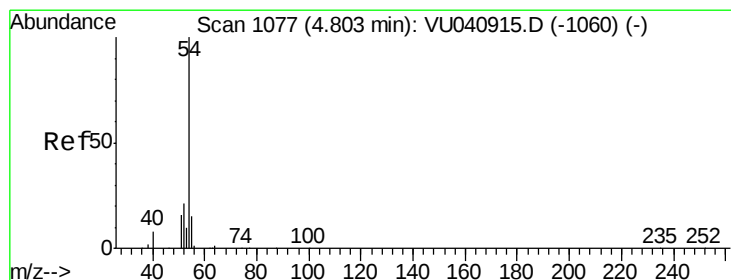
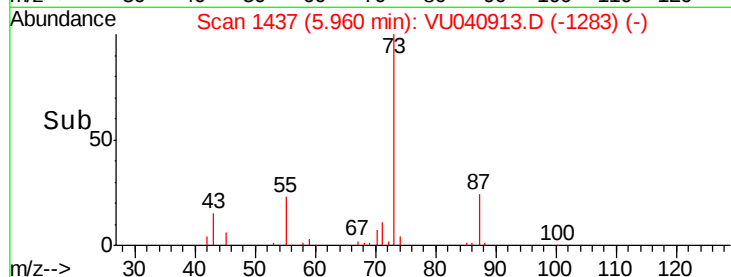
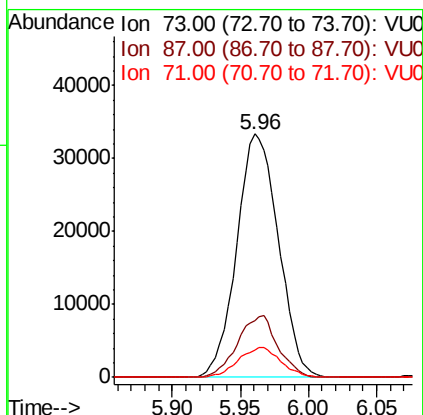
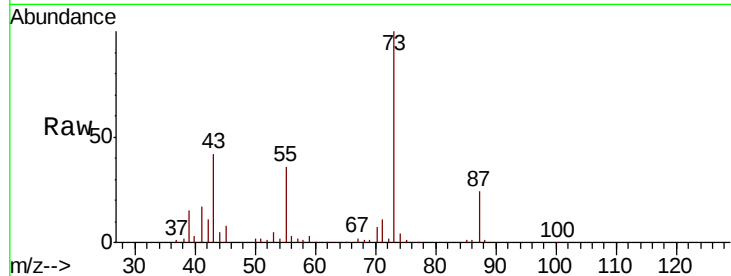




#33
Tert-Butyl methyl ether
Concen: 1.847 ug/l
RT: 5.96 min Scan# 1437
Delta R.T. -0.00 min
Lab File: VU040913.D
Acq: 22 Oct 2020 19:32

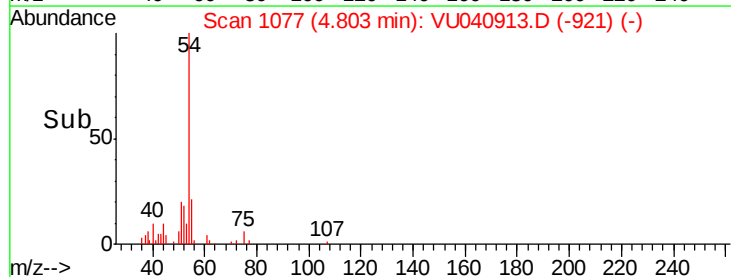
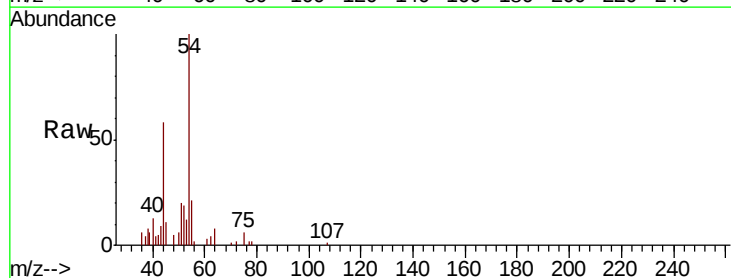
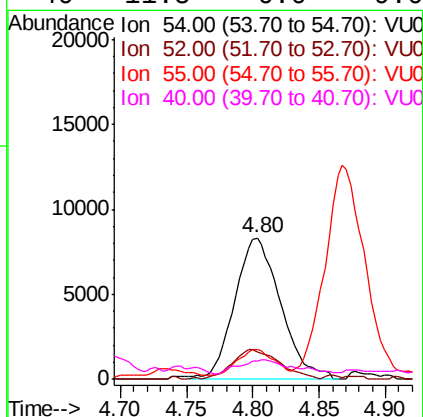
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

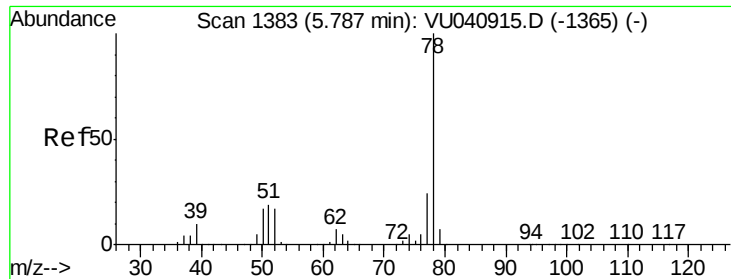
Tot Ion	Ratio	Lower	Upper
73	100		
87	24.4	19.0	28.4
71	12.4	9.7	14.5



#34
Propionitrile
Concen: 13.016 ug/l
RT: 4.80 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VU040913.D
Acq: 22 Oct 2020 19:32

Tgt Ion	Ratio	Lower	Upper
54	100		
52	21.3	15.5	23.3
55	15.0	12.5	18.7
40	11.5	6.0	9.0





#35

Benzene

Concen: 2.446 ug/l

RT: 5.79 min Scan# 1383

Delta R.T. -0.00 min

Lab File: VU040913.D

Acq: 22 Oct 2020 19:32

Instrument :

MSVOA_U

ClientSampleId :

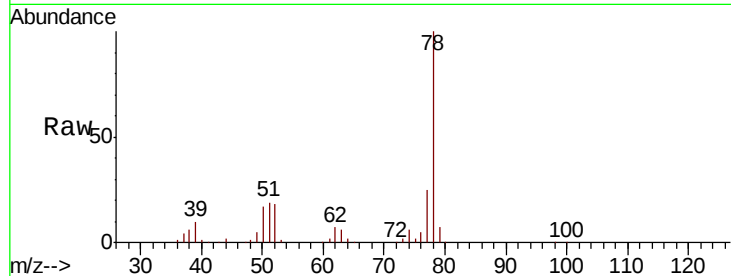
VSTDIC002

Tot Ion: 78 Resp: 147488

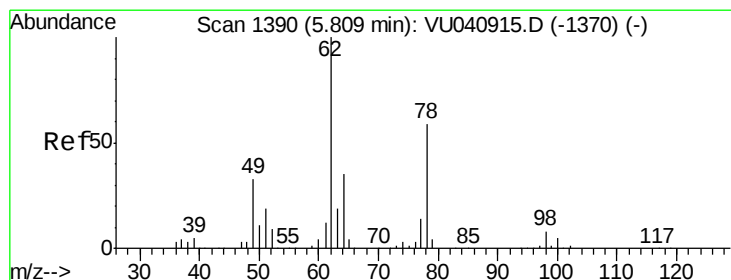
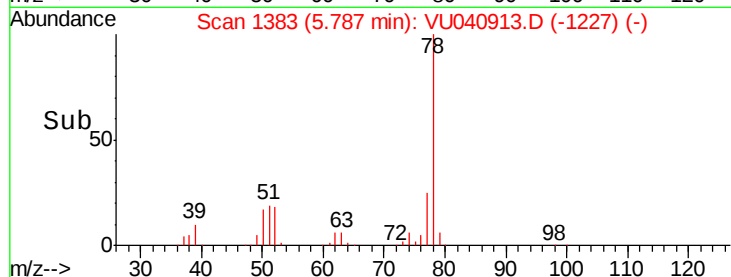
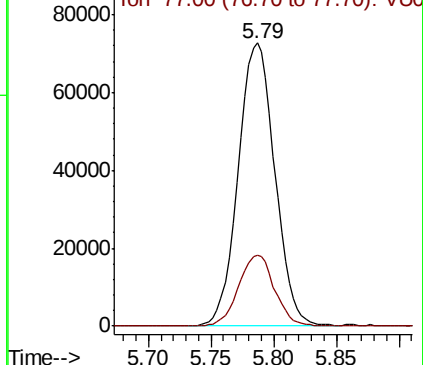
Ion Ratio Lower Upper

78 100

77 25.2 19.4 29.2



Abundance Ion 78.10 (77.80 to 78.80): VU040913.D (-1227) (-)



#36

1,2-Dichloroethane

Concen: 2.342 ug/l

RT: 5.81 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VU040913.D

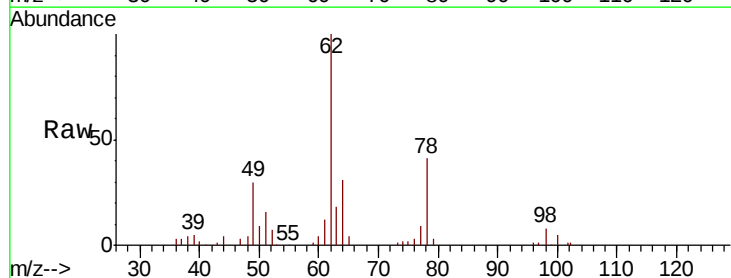
Acq: 22 Oct 2020 19:32

Tgt Ion: 62 Resp: 54199

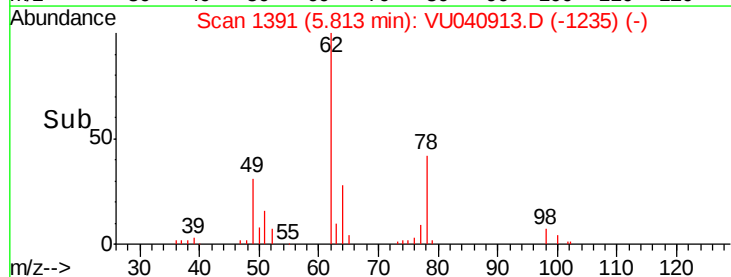
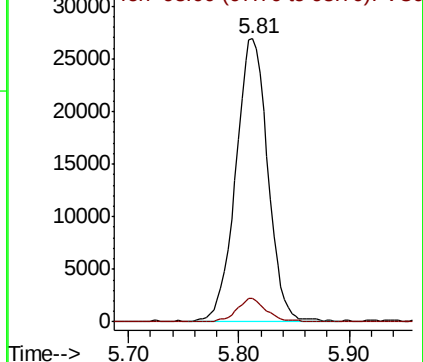
Ion Ratio Lower Upper

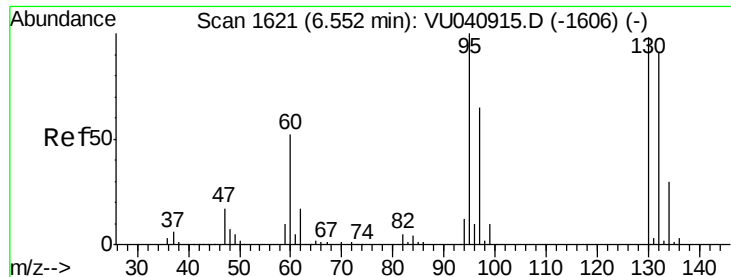
62 100

98 7.6 6.7 10.1



Abundance Ion 62.00 (61.70 to 62.70): VU040913.D (-1235) (-)

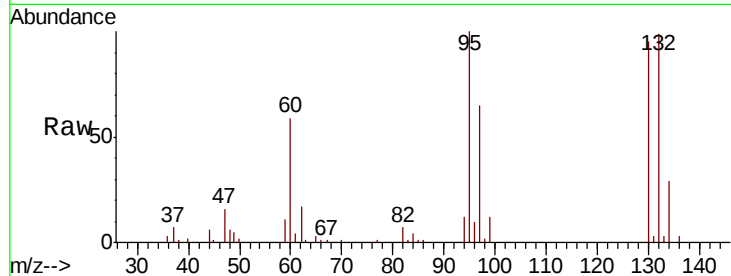




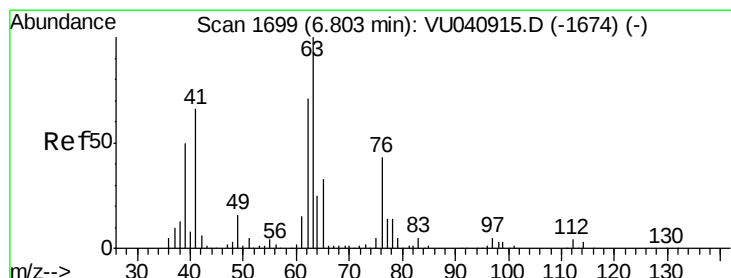
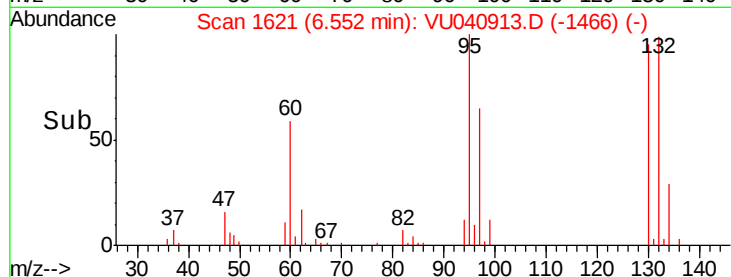
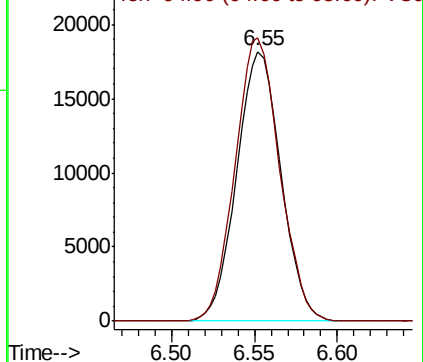
#37
 Trichloroethene
 Concen: 2.225 ug/l
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU040913.D
 Acq: 22 Oct 2020 19:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion:130 Resp: 33627
 Ion Ratio Lower Upper
 130 100
 95 105.1 81.9 122.9

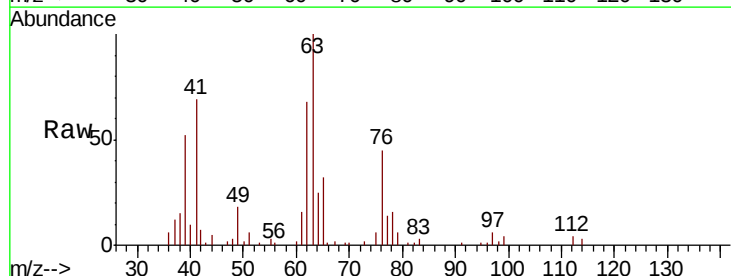


Abundance Ion 129.90 (129.60 to 130.60): VU040913.D (-1466) (-)
 Ion 94.90 (94.60 to 95.60): VU040913.D (-1466) (-)

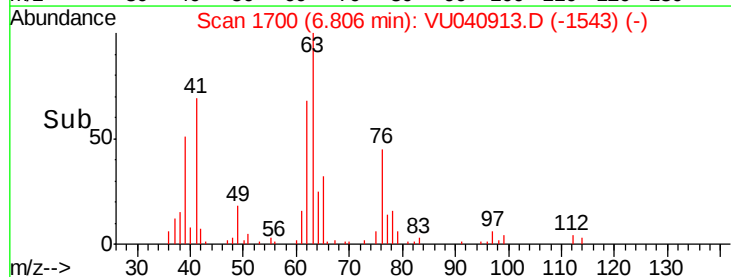
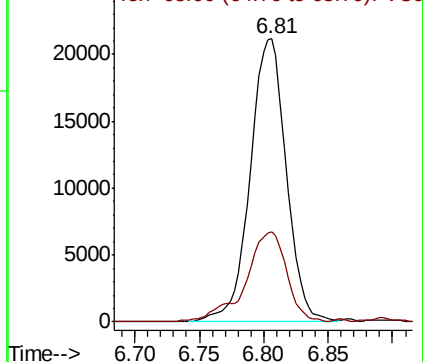


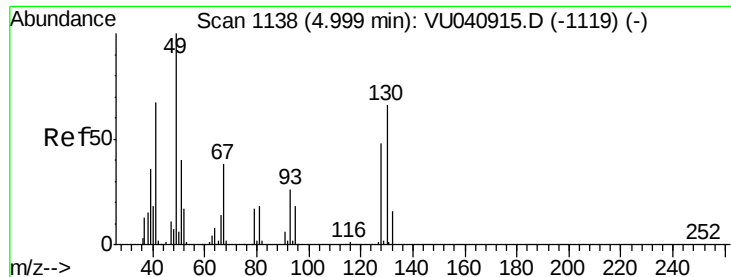
#38
 1,2-Dichloropropane
 Concen: 2.379 ug/l
 RT: 6.81 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VU040913.D
 Acq: 22 Oct 2020 19:32

Tgt Ion: 63 Resp: 41428
 Ion Ratio Lower Upper
 63 100
 65 31.3 26.2 39.2



Abundance Ion 63.00 (62.70 to 63.70): VU040913.D (-1543) (-)
 Ion 65.00 (64.70 to 65.70): VU040913.D (-1543) (-)

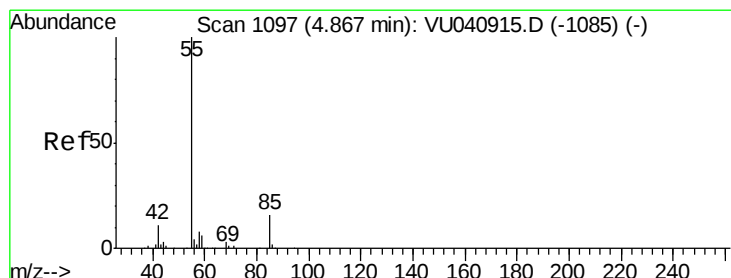
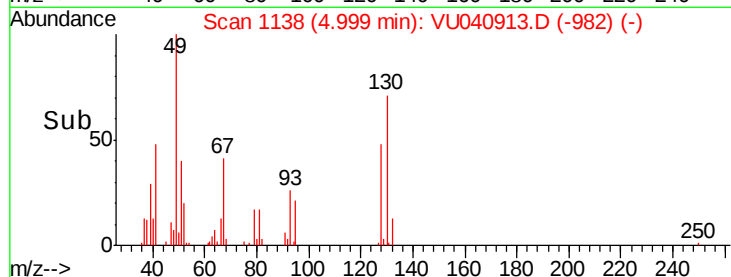
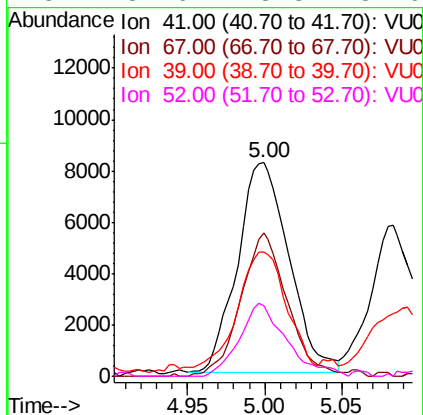
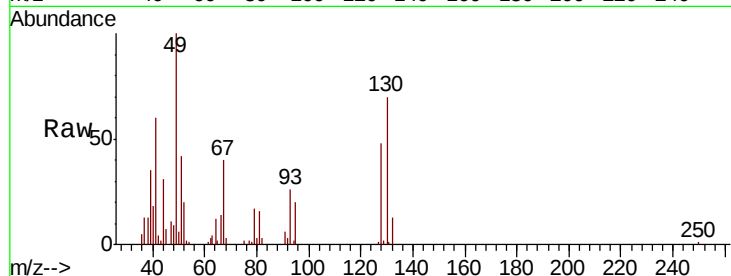




#39
Methacrylonitrile
Concen: 2.318 ug/l
RT: 5.00 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VU040913.D
Acq: 22 Oct 2020 19:32

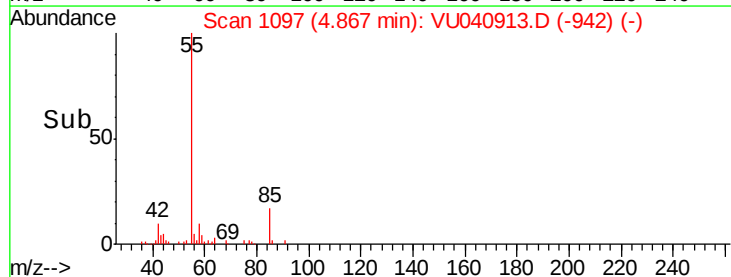
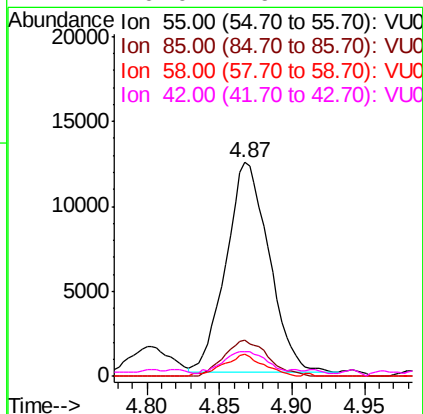
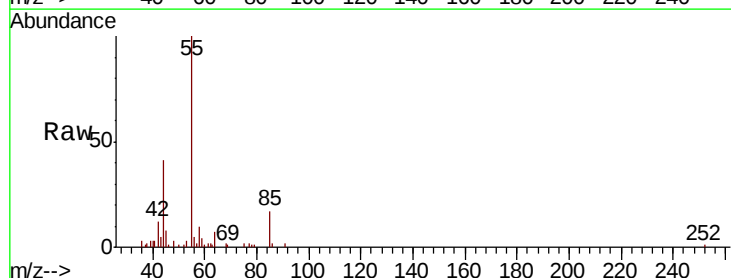
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

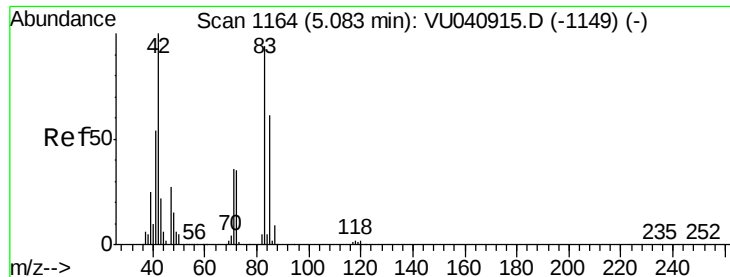
Tot Ion:	41	Resp:	18885
Ion	Ratio	Lower	Upper
41	100		
67	61.5	48.7	73.1
39	50.5	44.6	67.0
52	31.6	23.3	34.9



#40
Methyl acrylate
Concen: 2.413 ug/l
RT: 4.87 min Scan# 1097
Delta R.T. -0.00 min
Lab File: VU040913.D
Acq: 22 Oct 2020 19:32

Tgt Ion:	55	Resp:	25409
Ion	Ratio	Lower	Upper
55	100		
85	17.2	12.2	18.2
58	9.6	6.8	10.2
42	10.0	9.4	14.2

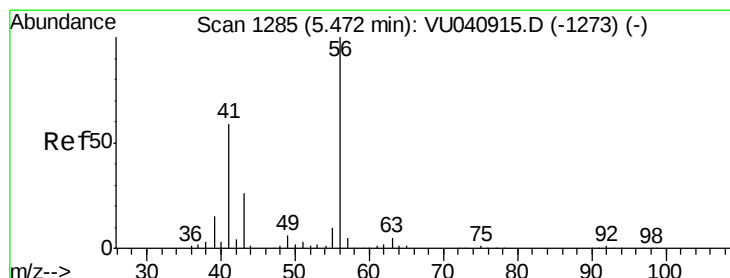
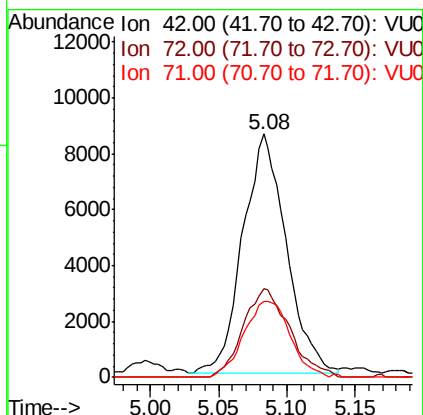
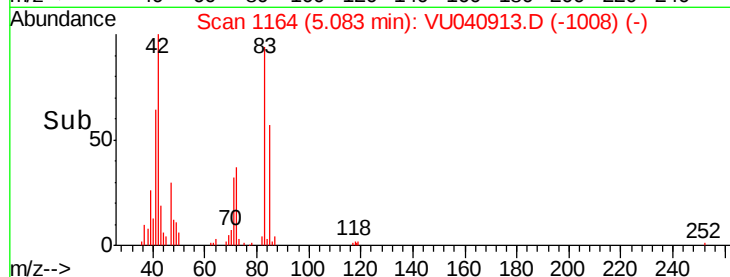
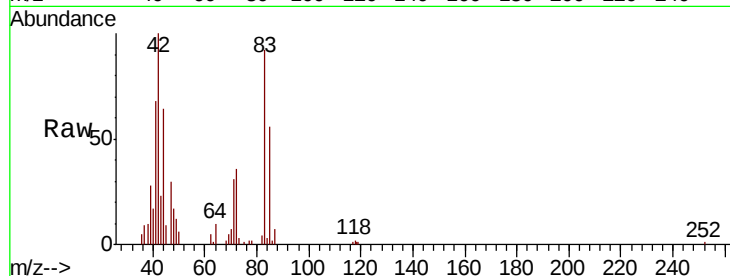




#41
Tetrahydrofuran
Concen: 4.830 ug/l
RT: 5.08 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU040913.D
Acq: 22 Oct 2020 19:32

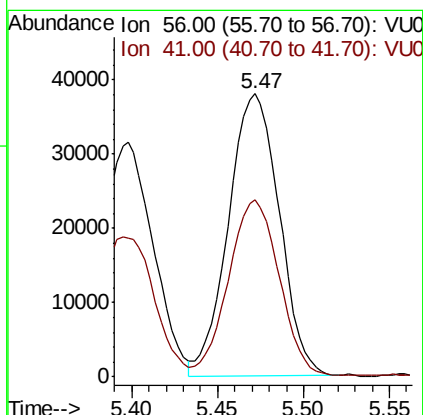
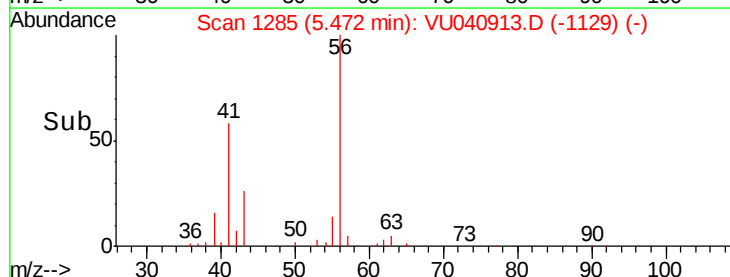
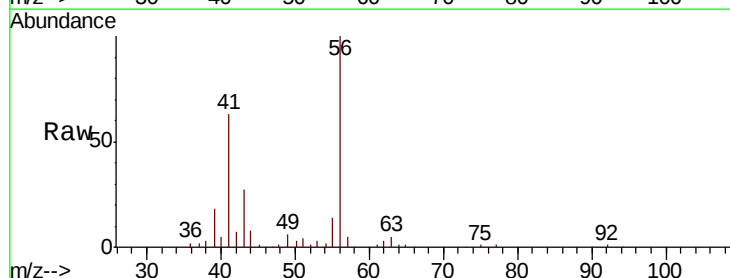
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

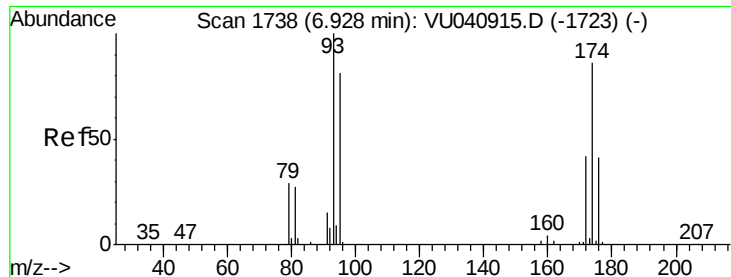
Tot Ion	Ratio	Lower	Upper
42	100		
72	39.1	30.1	45.1
71	33.5	27.9	41.9



#42
1-Chlorobutane
Concen: 2.419 ug/l
RT: 5.47 min Scan# 1285
Delta R.T. -0.00 min
Lab File: VU040913.D
Acq: 22 Oct 2020 19:32

Tgt Ion	Ratio	Lower	Upper
56	100		
41	61.8	29.6	88.8





#43

Dibromomethane

Concen: 2.388 ug/l

RT: 6.93 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VU040913.D

Acq: 22 Oct 2020 19:32

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

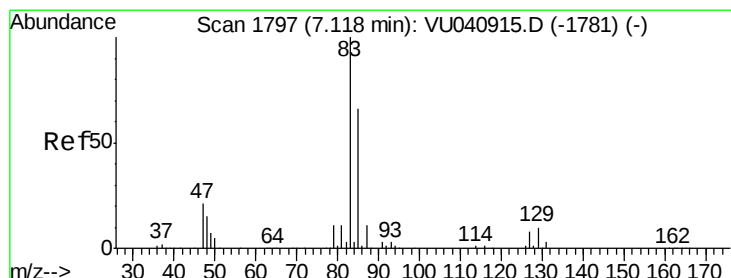
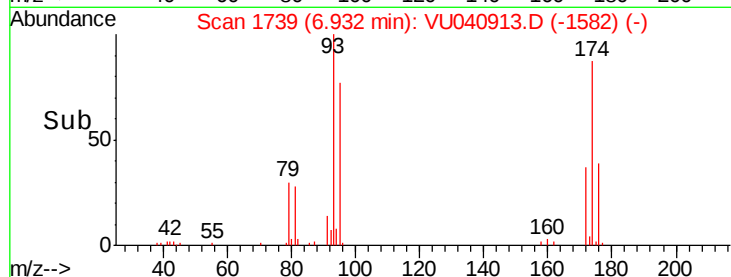
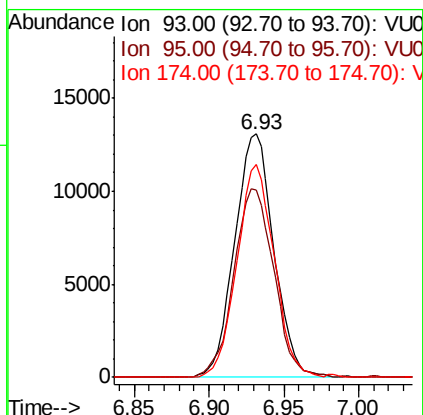
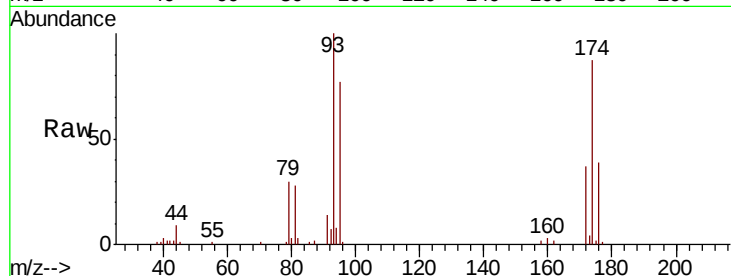
Tot Ion: 93 Resp: 23857

Ion Ratio Lower Upper

93 100

95 79.0 66.3 99.5

174 83.2 70.4 105.6



#44

Bromodichloromethane

Concen: 2.208 ug/l

RT: 7.12 min Scan# 1797

Delta R.T. -0.00 min

Lab File: VU040913.D

Acq: 22 Oct 2020 19:32

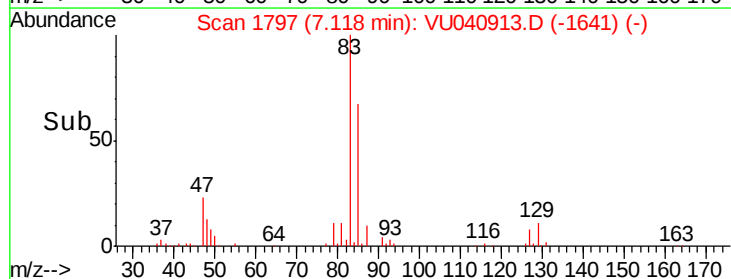
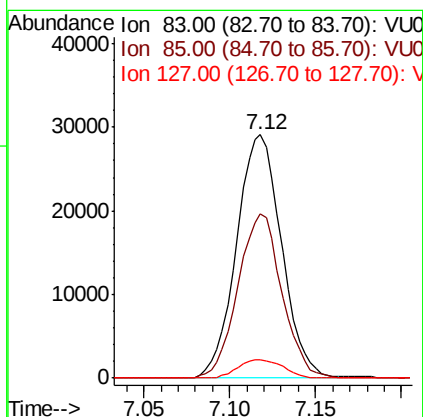
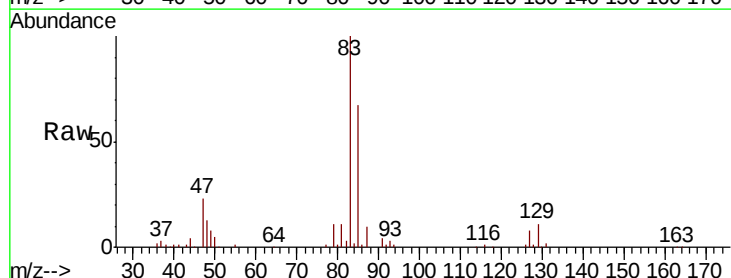
Tgt Ion: 83 Resp: 52848

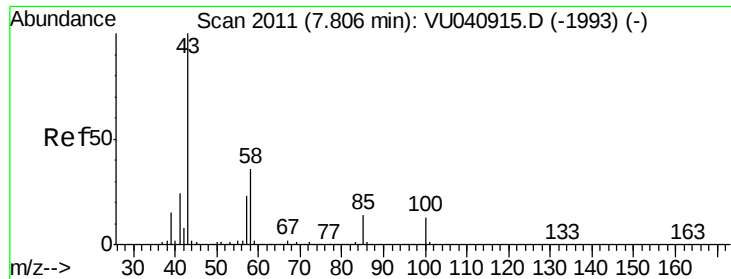
Ion Ratio Lower Upper

83 100

85 67.4 52.6 78.8

127 7.6 6.4 9.6

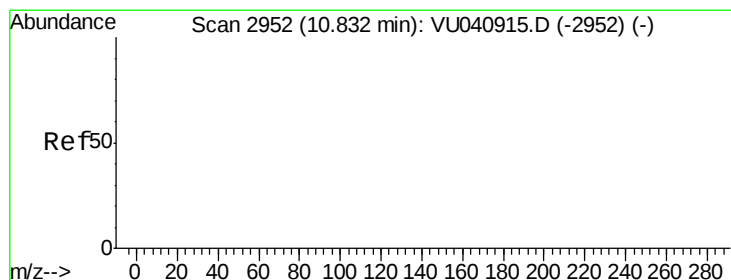
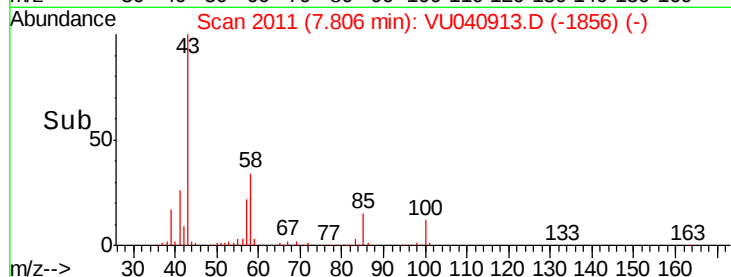
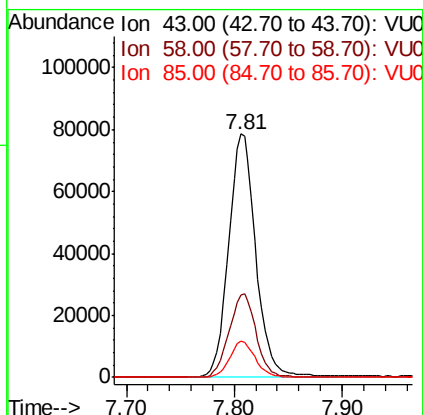
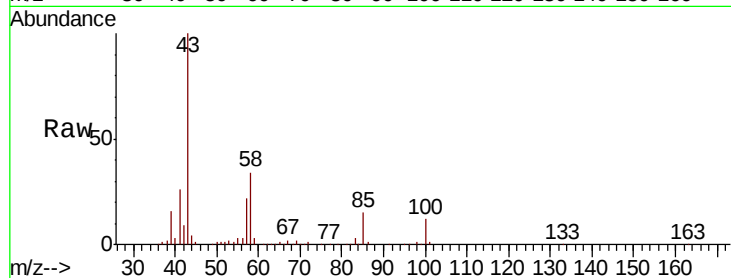




#45
4-Methyl-2-Pentanone
Concen: 10.091 ug/l
RT: 7.81 min Scan# 2011
Delta R.T. -0.00 min
Lab File: VU040913.D
Acq: 22 Oct 2020 19:32

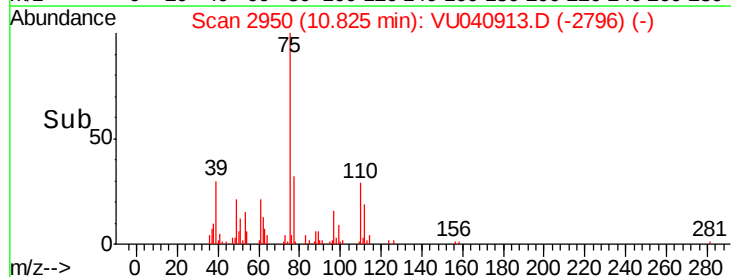
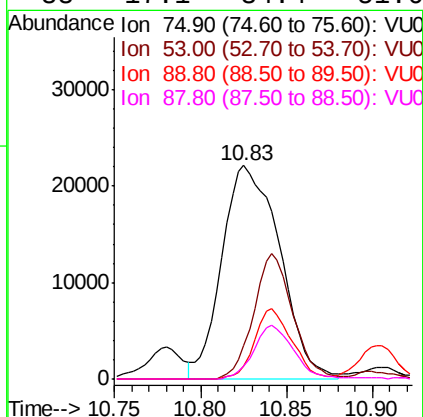
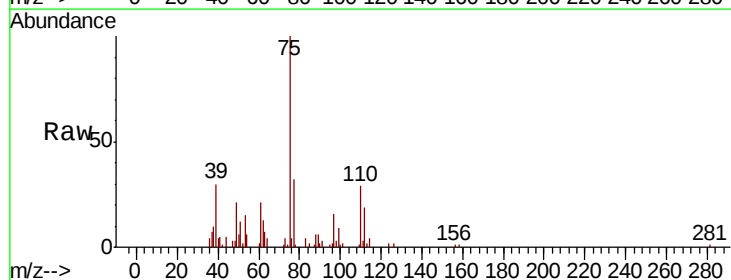
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

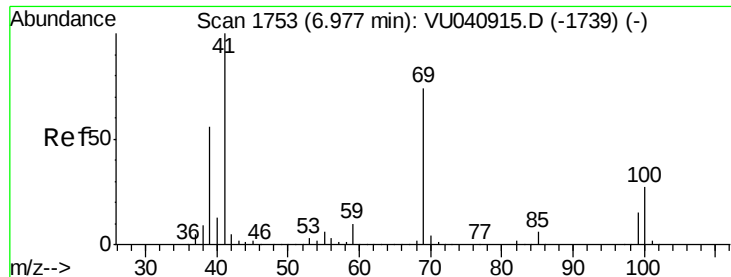
Tot Ion	Ratio	Lower	Upper
43	100		
58	34.0	17.8	53.5
85	13.9	11.4	17.2



#46
t-1,4-Dichloro-2-butene
Concen: 9.957 ug/l
RT: 10.83 min Scan# 2950
Delta R.T. -0.01 min
Lab File: VU040913.D
Acq: 22 Oct 2020 19:32

Tgt Ion	Ratio	Lower	Upper
75	100		
53	39.6	73.0	109.4#
89	21.2	41.7	62.5#
88	17.1	34.4	51.6#

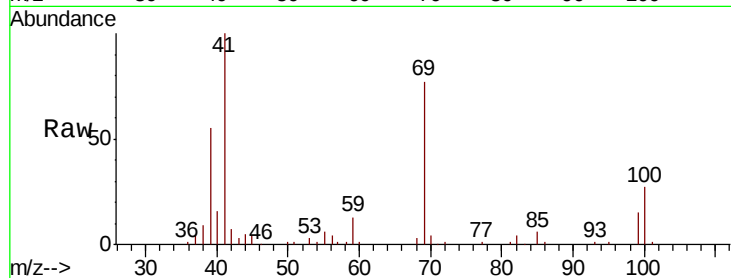




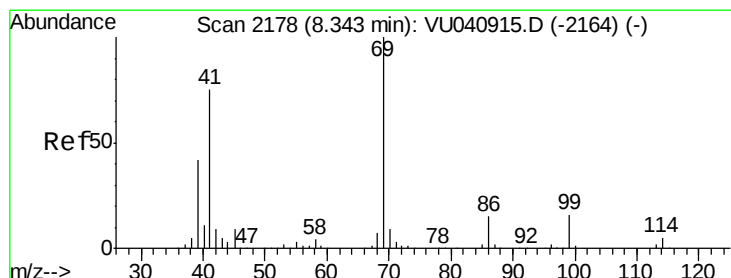
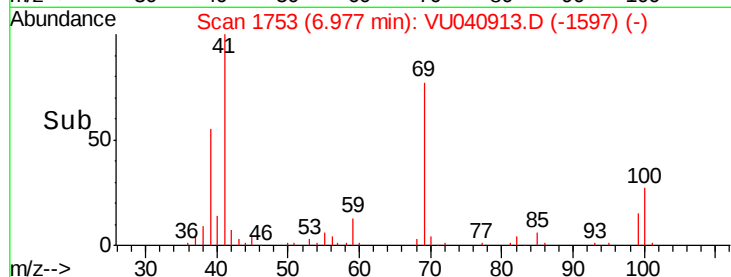
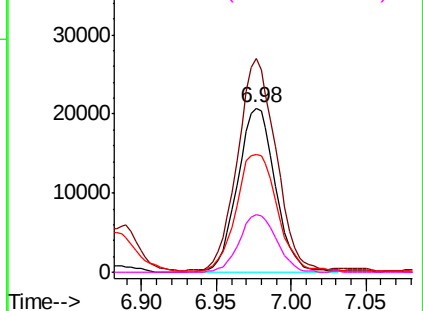
#47
Methvl methacrylate
Concen: 4.223 ug/l
RT: 6.98 min Scan# 1753
Delta R.T. -0.00 min
Lab File: VU040913.D
Acq: 22 Oct 2020 19:32

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion: 69 Resp: 36514
Ion Ratio Lower Upper
69 100
41 130.7 0.0 270.2
39 77.0 61.6 92.4
100 34.4 29.0 43.6

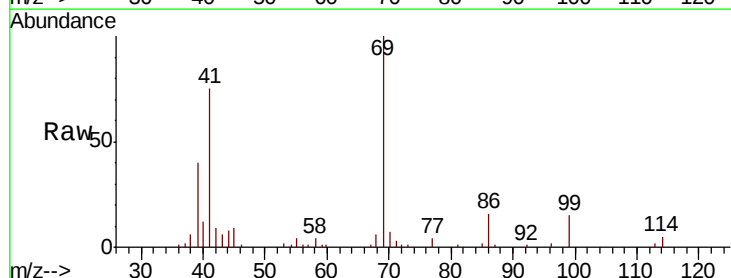


Abundance Ion 69.00 (68.70 to 69.70): VU0
Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

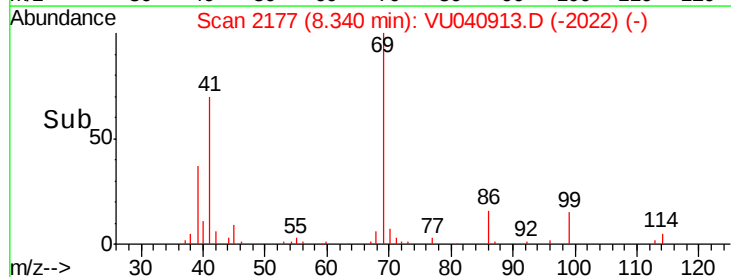
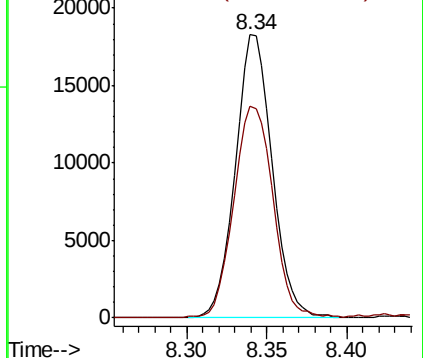


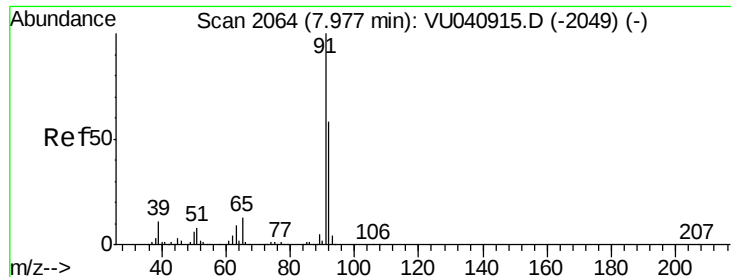
#48
Ethyl methacrylate
Concen: 1.847 ug/l
RT: 8.34 min Scan# 2177
Delta R.T. -0.00 min
Lab File: VU040913.D
Acq: 22 Oct 2020 19:32

Tgt Ion: 69 Resp: 28534
Ion Ratio Lower Upper
69 100
41 80.1 37.6 112.9



Abundance Ion 69.00 (68.70 to 69.70): VU0
Ion 41.00 (40.70 to 41.70): VU0





#49

Toluene

Concen: 2.094 ug/l

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU040913.D

Acq: 22 Oct 2020 19:32

Instrument :

MSVOA_U

ClientSampleId :

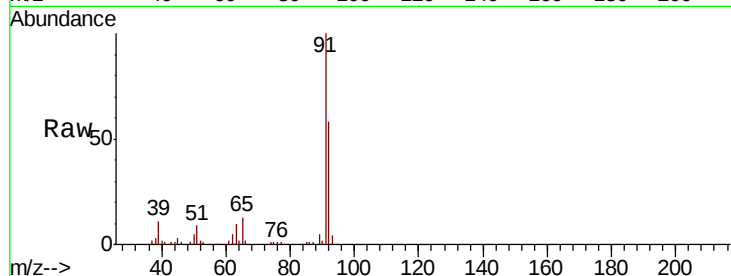
VSTDIC002

Tot Ion: 92 Resp: 76227

Ion Ratio Lower Upper

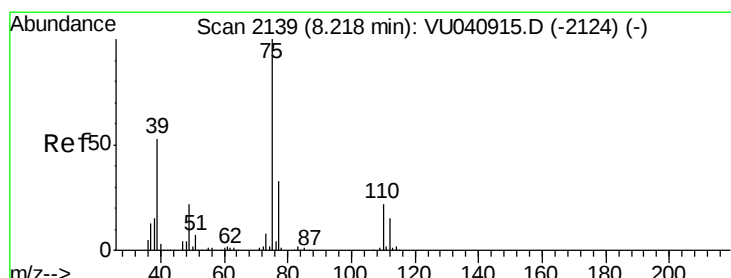
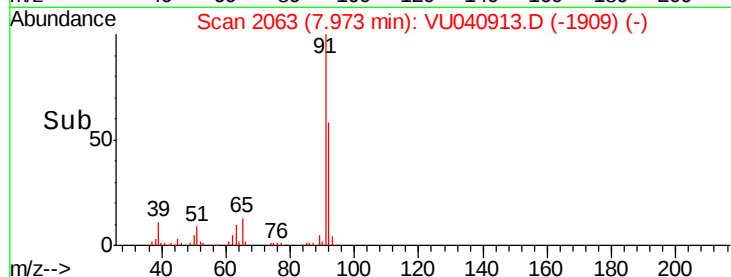
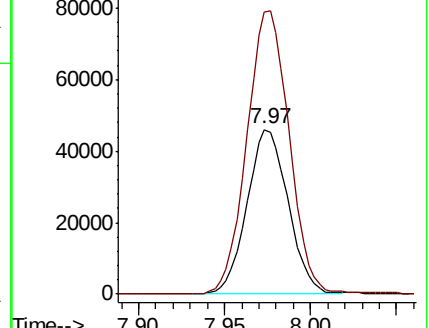
92 100

91 177.4 136.8 205.2



Abundance Ion 92.00 (91.70 to 92.70): VU040913.D (-1909) (-)

Ion 91.00 (90.70 to 91.70): VU040913.D (-1909) (-)



#50

t-1,3-Dichloropropene

Concen: 2.090 ug/l

RT: 8.22 min Scan# 2139

Delta R.T. -0.00 min

Lab File: VU040913.D

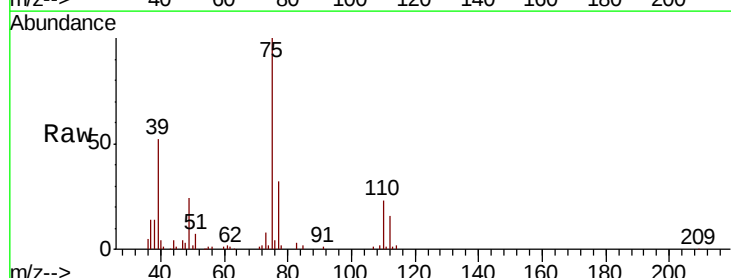
Acq: 22 Oct 2020 19:32

Tgt Ion: 75 Resp: 44779

Ion Ratio Lower Upper

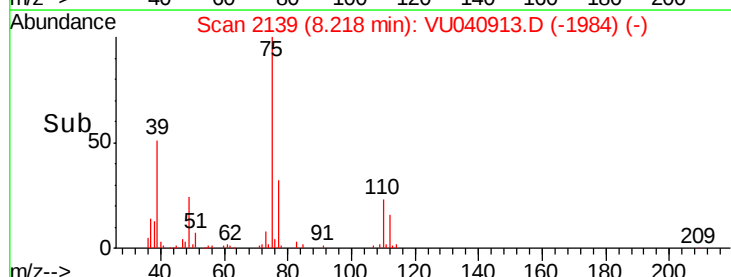
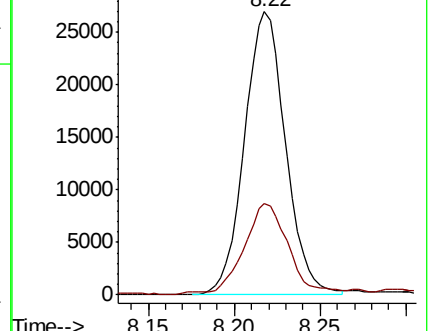
75 100

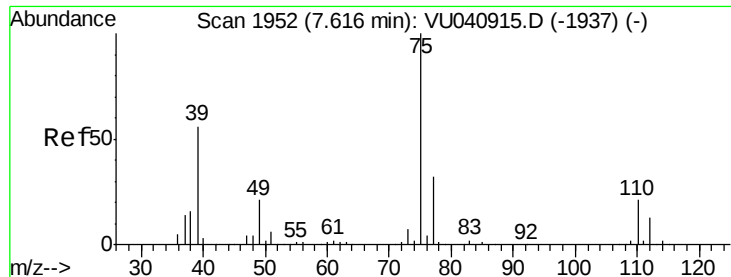
77 31.5 26.2 39.4



Abundance Ion 75.00 (74.70 to 75.70): VU040913.D (-1984) (-)

Ion 77.00 (76.70 to 77.70): VU040913.D (-1984) (-)

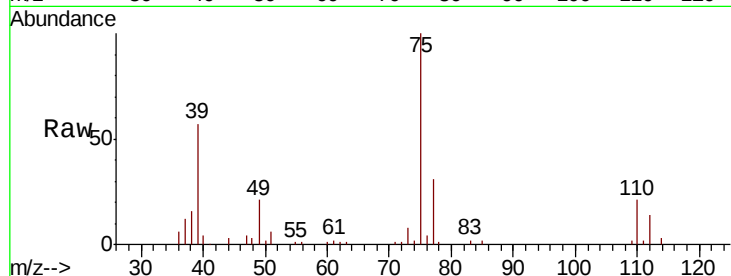




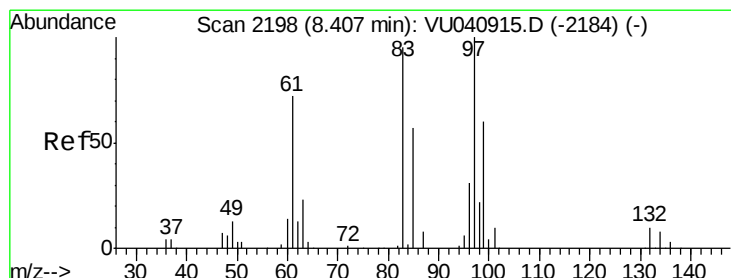
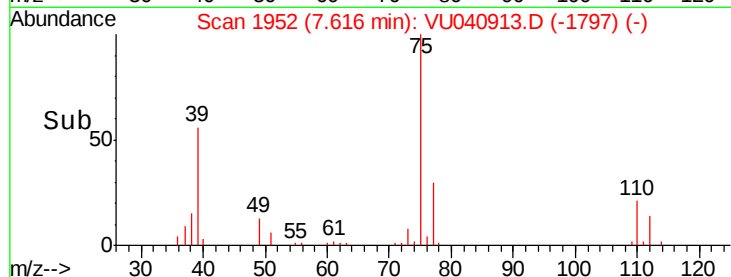
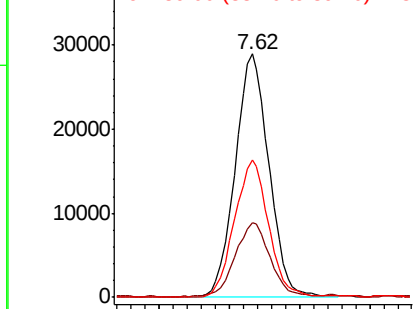
#51
 cis-1,3-Dichloropropene
 Concen: 2.043 ug/l
 RT: 7.62 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VU040913.D
 Acq: 22 Oct 2020 19:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion: 75 Resp: 48624
 Ion Ratio Lower Upper
 75 100
 77 30.7 25.4 38.0
 39 56.1 44.7 67.1

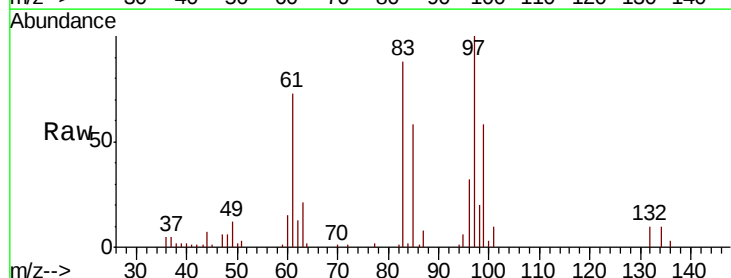


Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0
 Ion 39.00 (38.70 to 39.70): VU0

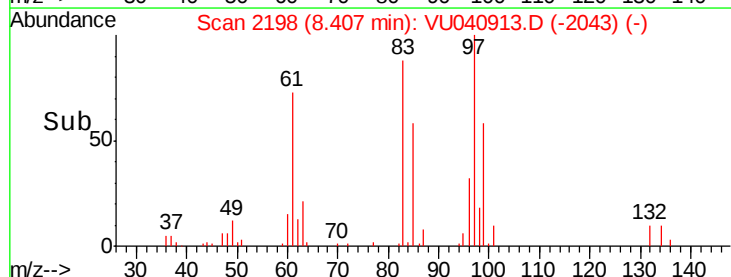
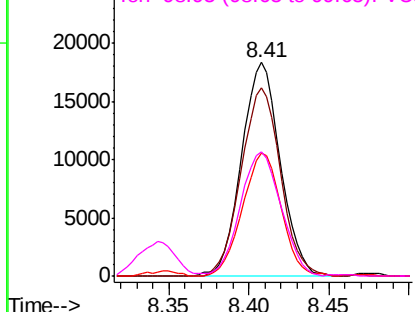


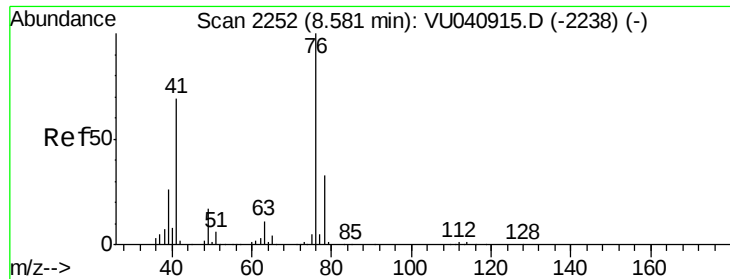
#52
 1,1,2-Trichloroethane
 Concen: 2.363 ug/l
 RT: 8.41 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU040913.D
 Acq: 22 Oct 2020 19:32

Tgt Ion: 97 Resp: 30279
 Ion Ratio Lower Upper
 97 100
 83 88.0 75.9 113.9
 85 57.5 46.1 69.1
 99 57.4 50.0 75.0



Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 84.95 (84.65 to 85.65): VU0
 Ion 98.95 (98.65 to 99.65): VU0





#53

1,3-Dichloropropane

Concen: 2.233 ug/l

RT: 8.58 min Scan# 2252

Delta R.T. -0.00 min

Lab File: VU040913.D

Acq: 22 Oct 2020 19:32

Instrument :

MSVOA_U

ClientSampleId :

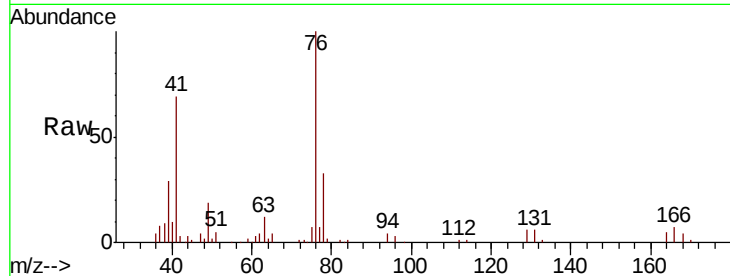
VSTDIC002

Tot Ion: 76 Resp: 51400

Ion Ratio Lower Upper

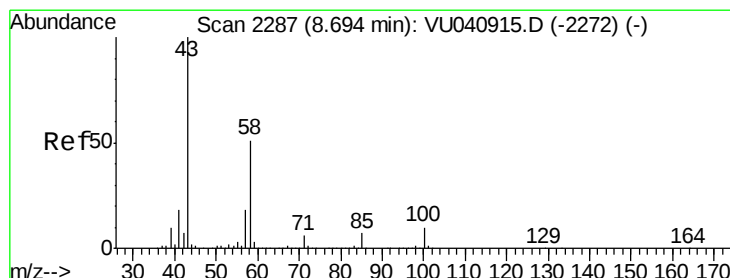
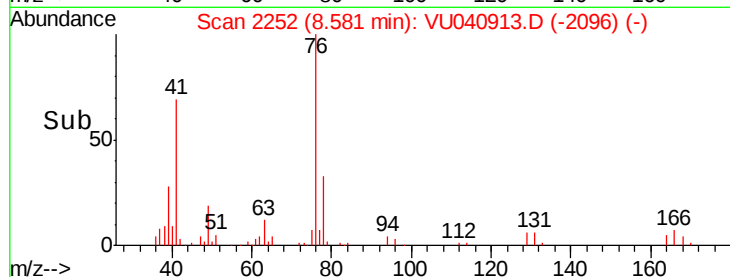
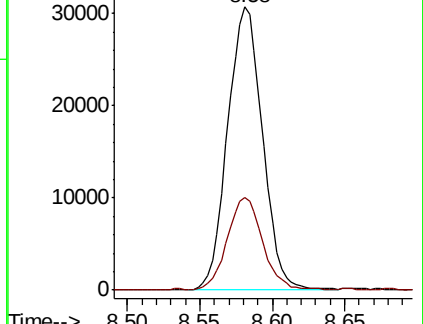
76 100

78 33.0 26.6 39.8



Abundance Ion 76.00 (75.70 to 76.70): VU040913.D (-2096) (-)

Ion 78.00 (77.70 to 78.70): VU040913.D (-2096) (-)



#54

2-Hexanone

Concen: 9.660 ug/l

RT: 8.69 min Scan# 2287

Delta R.T. -0.00 min

Lab File: VU040913.D

Acq: 22 Oct 2020 19:32

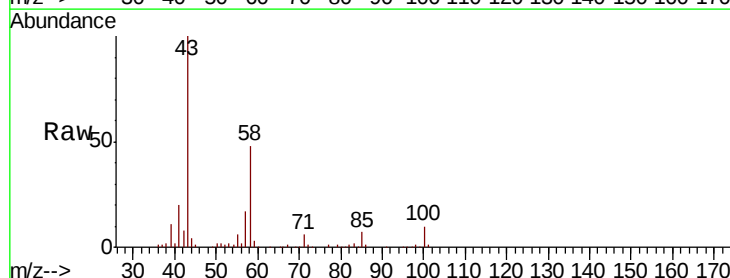
Tgt Ion: 43 Resp: 95358

Ion Ratio Lower Upper

43 100

58 46.8 30.2 70.2

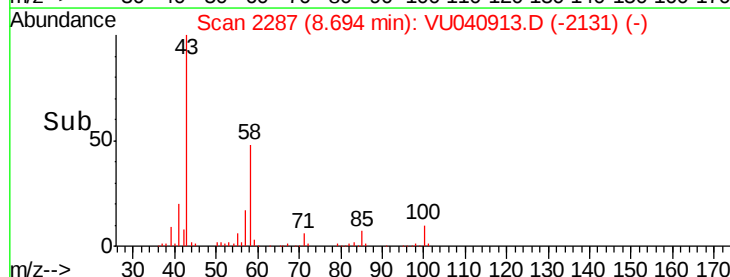
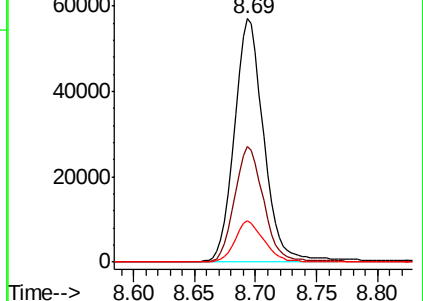
57 16.5 0.0 37.4

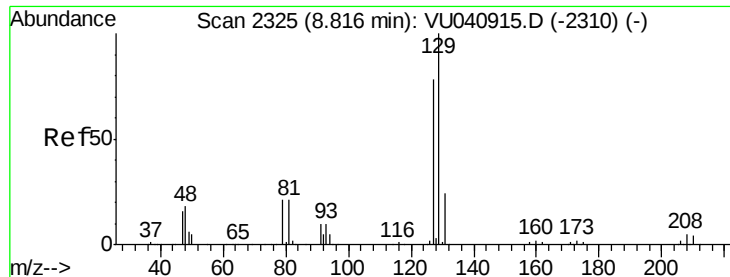


Abundance Ion 43.00 (42.70 to 43.70): VU040913.D (-2131) (-)

Ion 58.00 (57.70 to 58.70): VU040913.D (-2131) (-)

Ion 57.00 (56.70 to 57.70): VU040913.D (-2131) (-)

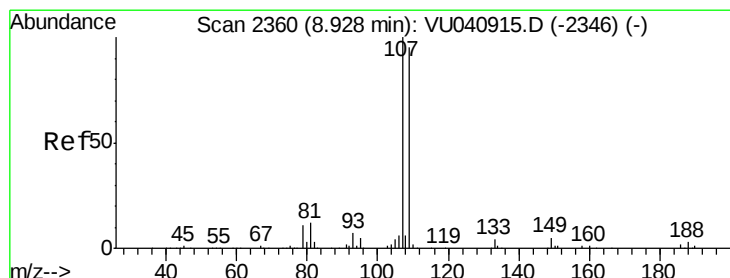
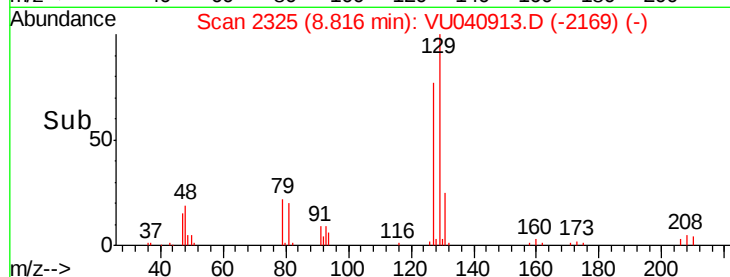
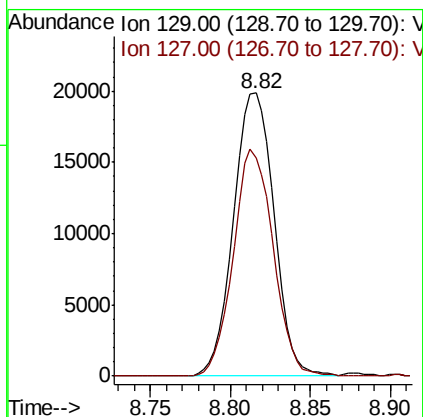
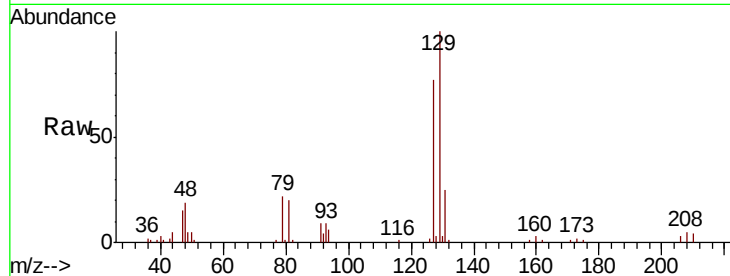




#55
 Dibromochloromethane
 Concen: 2.305 ug/l
 RT: 8.82 min Scan# 2325
 Delta R.T. -0.00 min
 Lab File: VU040913.D
 Acq: 22 Oct 2020 19:32

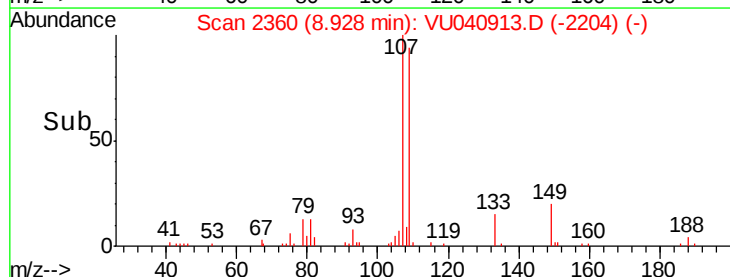
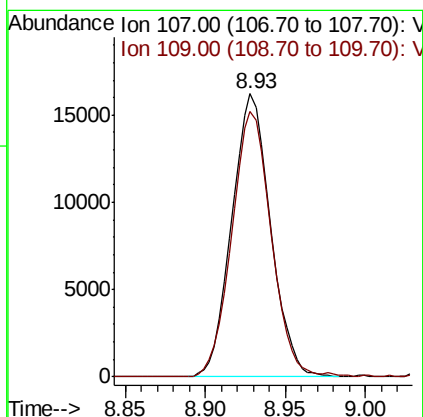
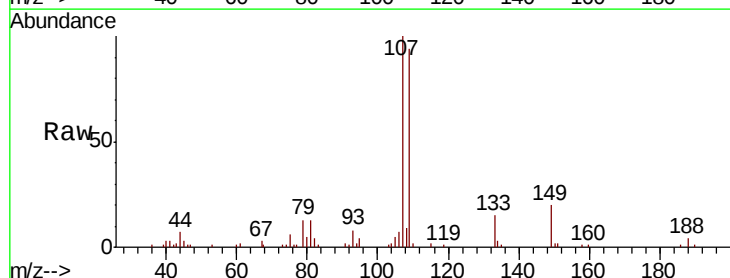
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

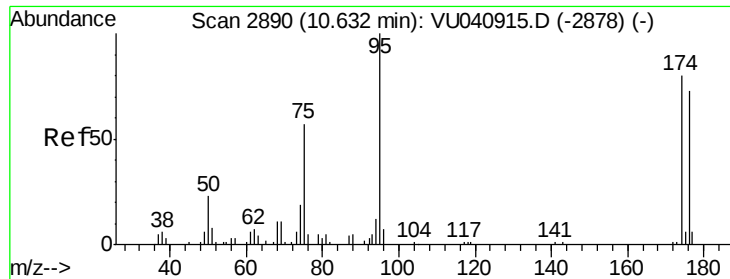
Tot Ion:129 Resp: 34374
 Ion Ratio Lower Upper
 129 100
 127 78.9 63.1 94.7



#56
 1,2-Dibromoethane
 Concen: 2.230 ug/l
 RT: 8.93 min Scan# 2360
 Delta R.T. -0.00 min
 Lab File: VU040913.D
 Acq: 22 Oct 2020 19:32

Tgt Ion:107 Resp: 26722
 Ion Ratio Lower Upper
 107 100
 109 95.4 0.0 190.4

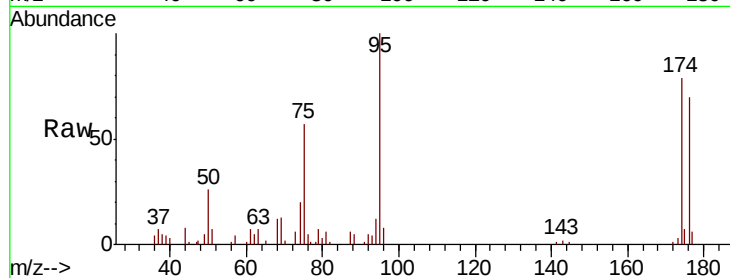




#57
4-Bromofluorobenzene
Concen: 0.857 ug/l
RT: 10.63 min Scan# 2889
Delta R.T. -0.00 min
Lab File: VU040913.D
Acq: 22 Oct 2020 19:32

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	95	Resp	18839
Ion Ratio	Lower	Upper	
95	100		
174	81.3	60.3	90.5
176	71.2	55.6	83.4

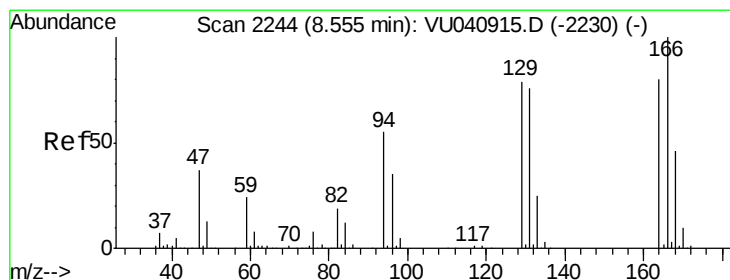
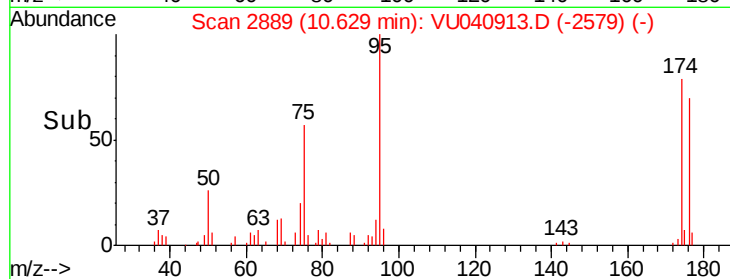
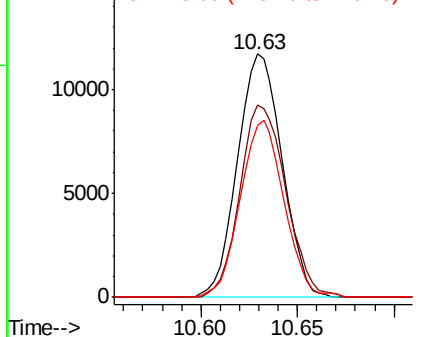


Abundance

Ion 95.00 (94.70 to 95.70): VU040913.D (-2878) (-)

Ion 174.00 (173.70 to 174.70): VU040913.D (-2878) (-)

Ion 176.00 (175.70 to 176.70): VU040913.D (-2878) (-)



#58
Tetrachloroethene
Concen: 2.164 ug/l
RT: 8.56 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VU040913.D
Acq: 22 Oct 2020 19:32

Tgt Ion	164	Resp	31472
Ion Ratio	Lower	Upper	
164	100		
166	125.0	100.3	150.5
129	94.7	79.4	119.0
131	96.8	76.2	114.4

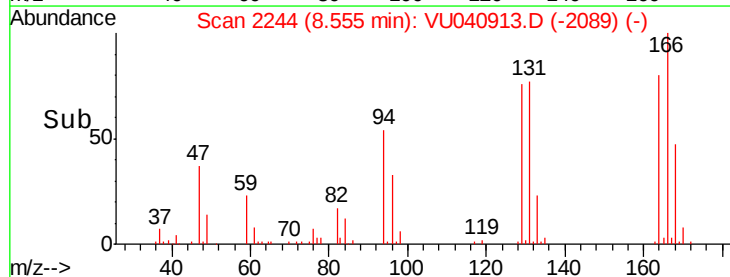
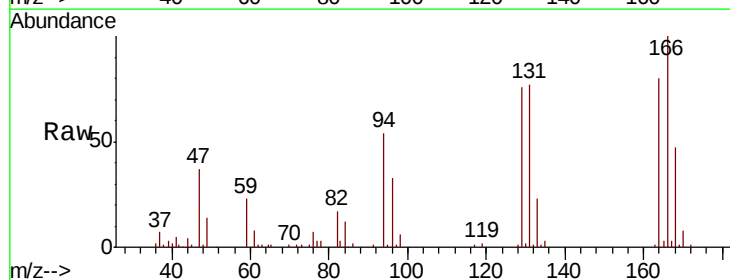
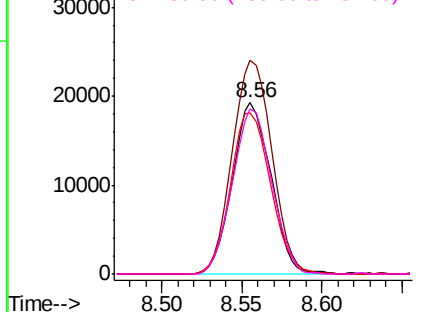
Abundance

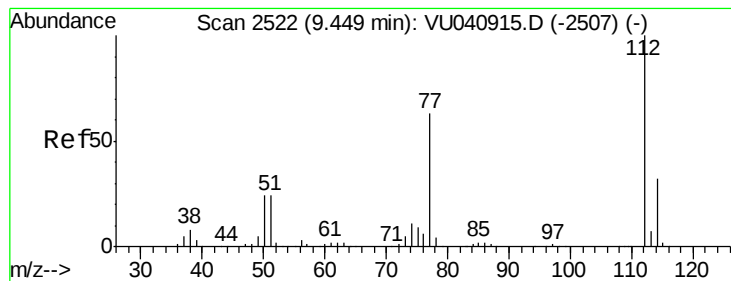
Ion 163.85 (163.55 to 164.55): VU040913.D (-2089) (-)

Ion 165.80 (165.50 to 166.50): VU040913.D (-2089) (-)

Ion 128.90 (128.60 to 129.60): VU040913.D (-2089) (-)

Ion 130.90 (130.60 to 131.60): VU040913.D (-2089) (-)





#59

Chlorobenzene

Concen: 2.086 ug/l

RT: 9.45 min Scan# 2522

Delta R.T. -0.00 min

Lab File: VU040913.D

Acq: 22 Oct 2020 19:32

Instrument :

MSVOA_U

ClientSampleId :

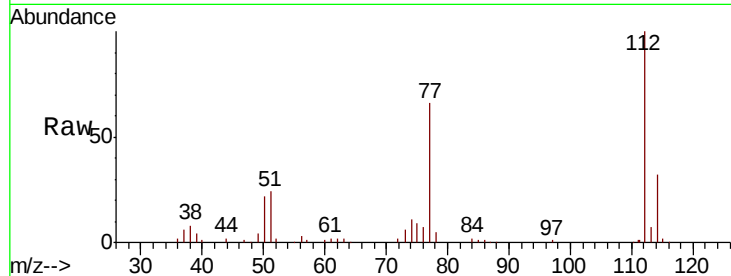
VSTDIC002

Tot Ion:112 Resp: 82594

Ion Ratio Lower Upper

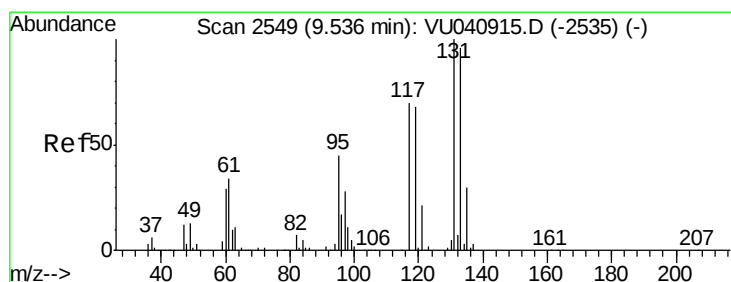
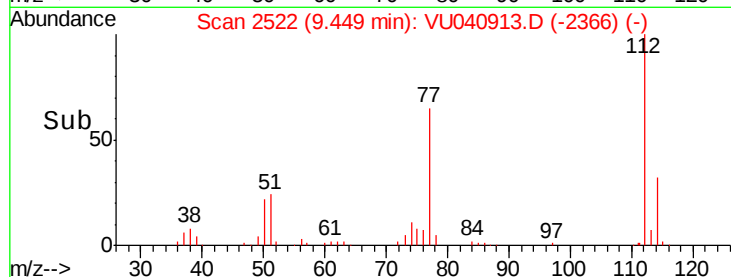
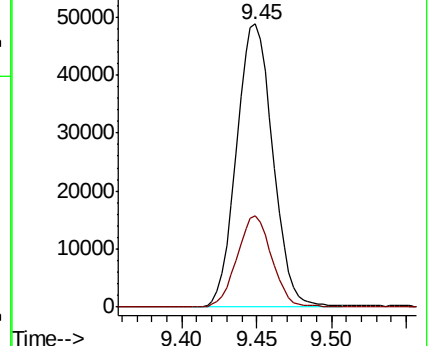
112 100

114 32.5 25.8 38.8



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: 2.286 ug/l

RT: 9.54 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VU040913.D

Acq: 22 Oct 2020 19:32

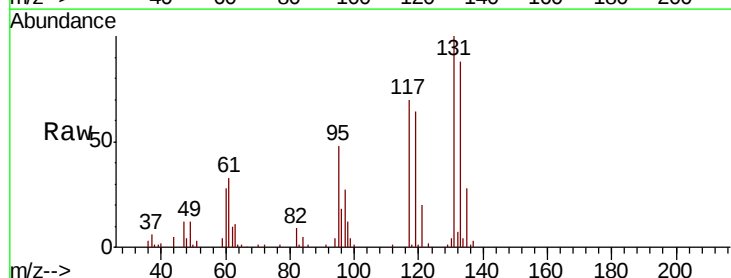
Tgt Ion:131 Resp: 33287

Ion Ratio Lower Upper

131 100

133 94.3 77.4 116.0

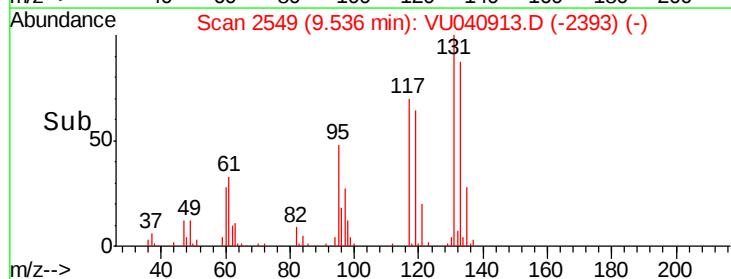
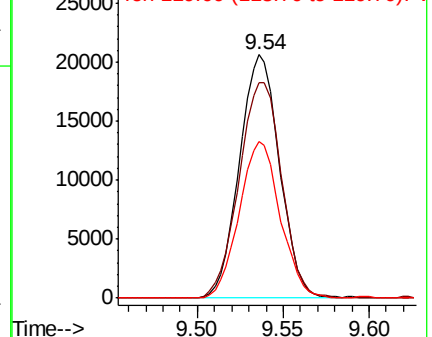
119 65.7 53.5 80.3

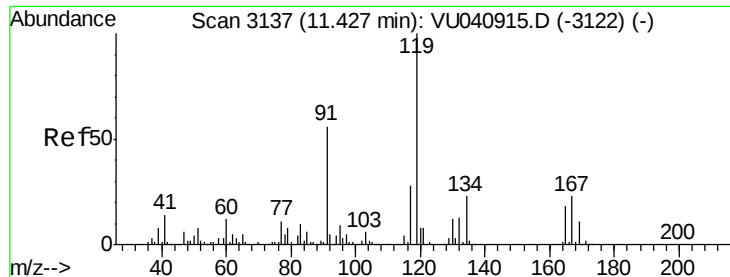


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

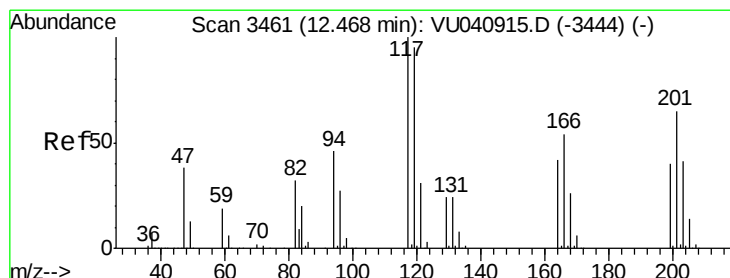
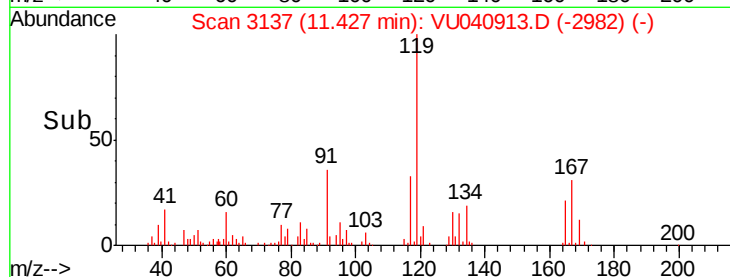
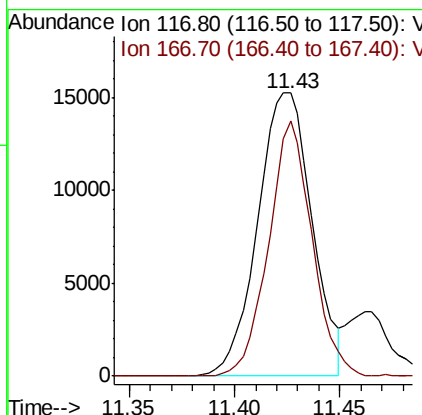
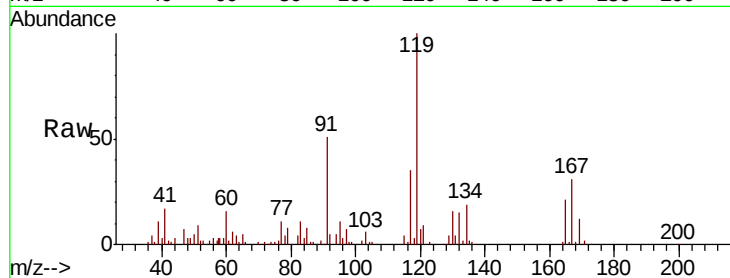




#61
 Pentachloroethane
 Concen: 2.662 ug/l
 RT: 11.43 min Scan# 3137
 Delta R.T. -0.00 min
 Lab File: VU040913.D
 Acq: 22 Oct 2020 19:32

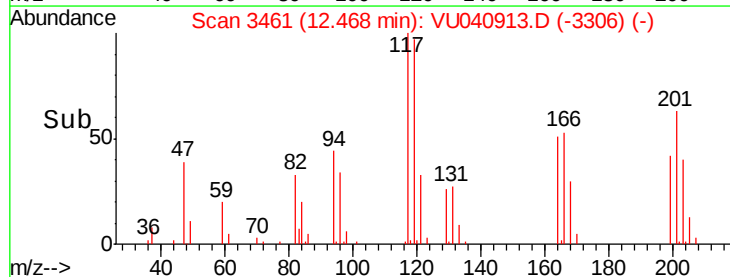
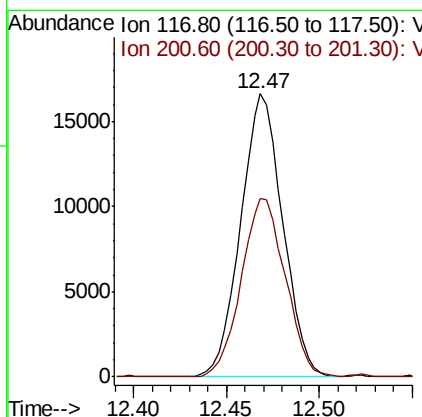
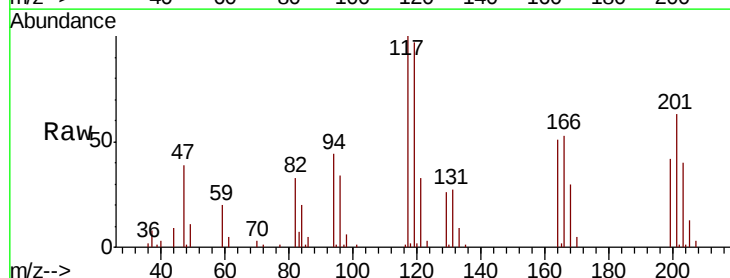
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

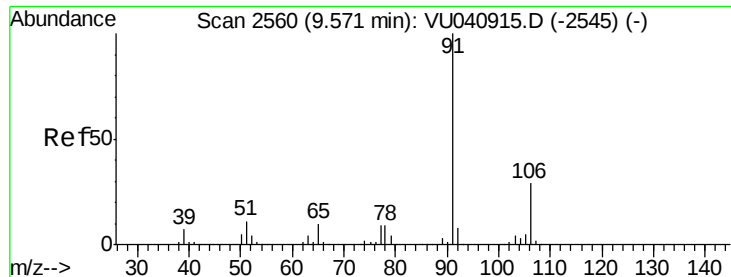
Tot Ion:117 Resp: 27386
 Ion Ratio Lower Upper
 117 100
 167 71.9 59.4 89.2



#62
 Hexachloroethane
 Concen: 2.071 ug/l
 RT: 12.47 min Scan# 3461
 Delta R.T. -0.00 min
 Lab File: VU040913.D
 Acq: 22 Oct 2020 19:32

Tgt Ion:117 Resp: 26113
 Ion Ratio Lower Upper
 117 100
 201 66.0 52.6 78.8

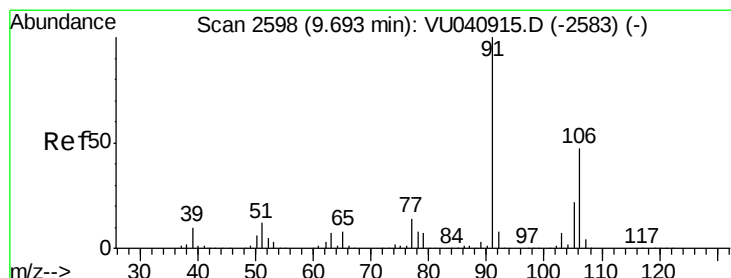
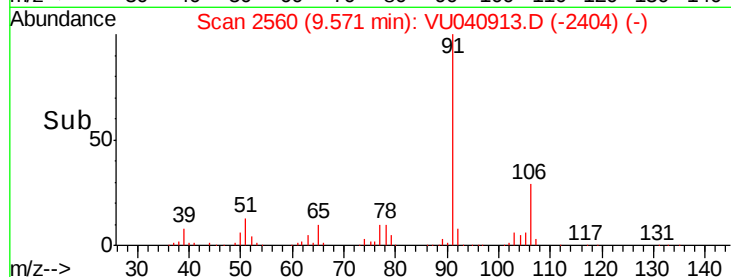
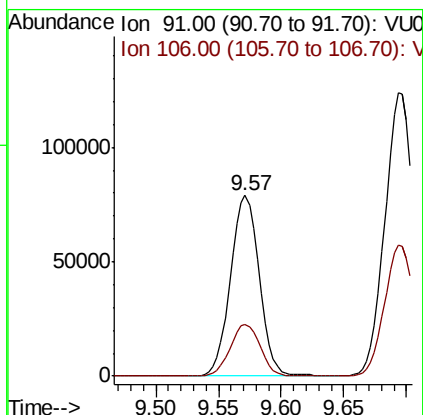
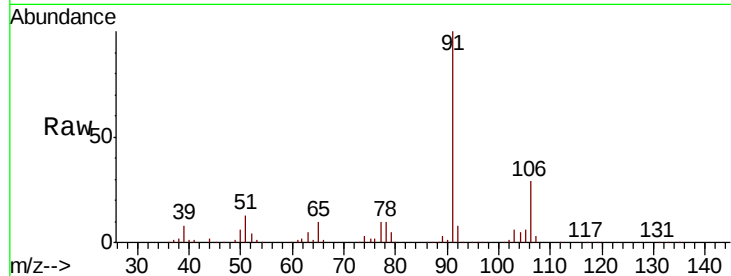




#63
Ethyl Benzene
Concen: 1.863 ug/l
RT: 9.57 min Scan# 2560
Delta R.T. -0.00 min
Lab File: VU040913.D
Acq: 22 Oct 2020 19:32

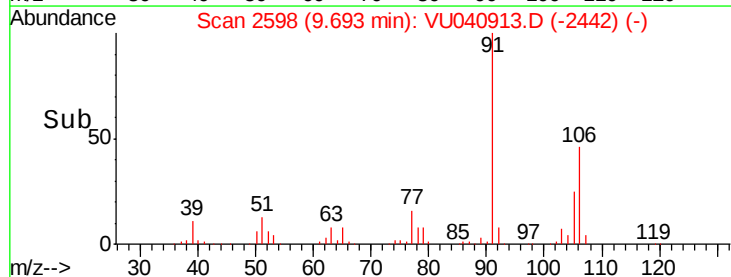
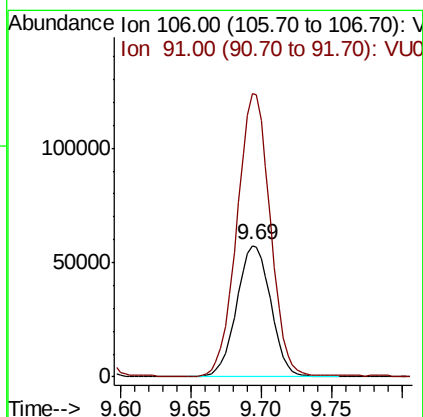
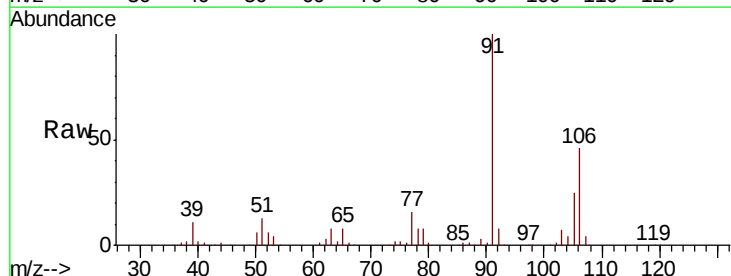
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

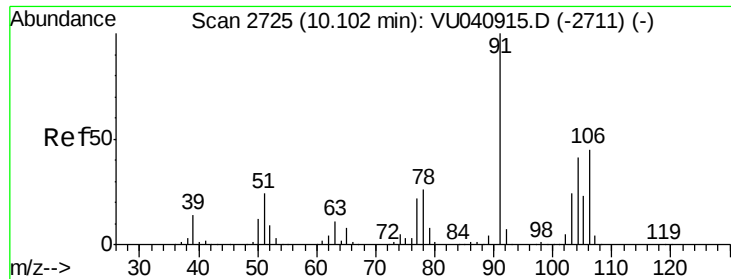
Tot Ion: 91 Resp: 126106
Ion Ratio Lower Upper
91 100
106 28.9 23.5 35.3



#64
m/p-Xylenes
Concen: 3.829 ug/l
RT: 9.69 min Scan# 2598
Delta R.T. -0.00 min
Lab File: VU040913.D
Acq: 22 Oct 2020 19:32

Tgt Ion: 106 Resp: 97479
Ion Ratio Lower Upper
106 100
91 209.9 168.3 252.5

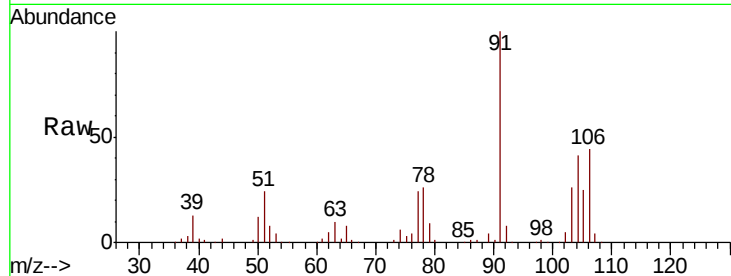




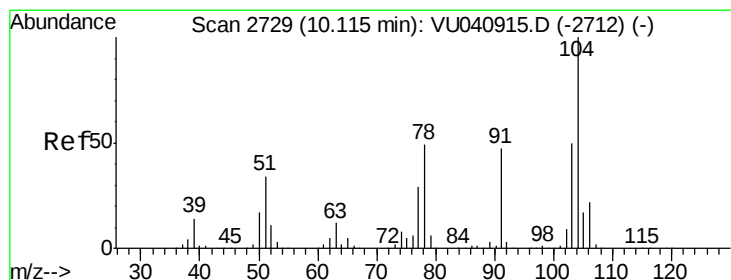
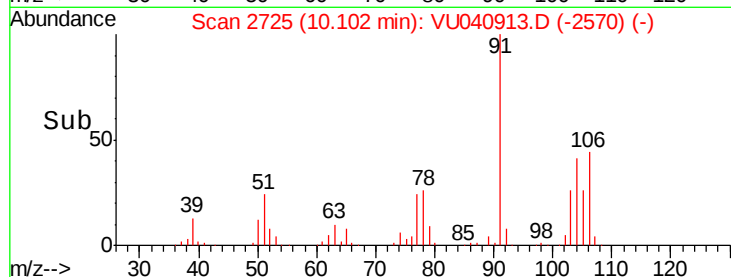
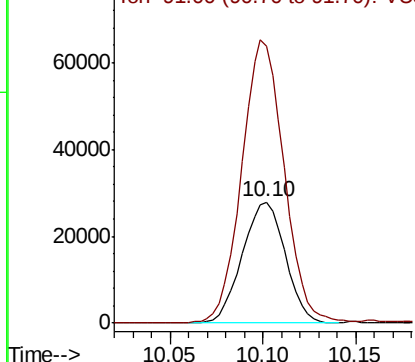
#65
o-Xylene
Concen: 1.860 ug/l
RT: 10.10 min Scan# 2725
Delta R.T. -0.00 min
Lab File: VU040913.D
Acq: 22 Oct 2020 19:32

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion:106 Resp: 45352
Ion Ratio Lower Upper
106 100
91 229.1 111.3 333.9

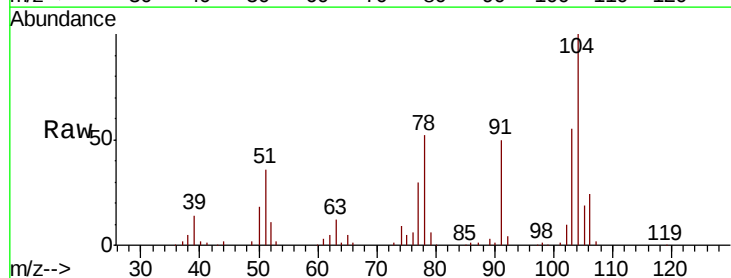


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

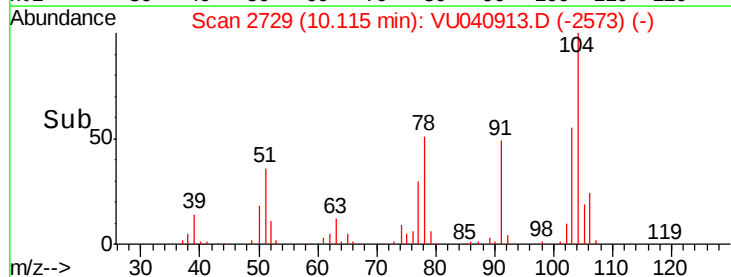
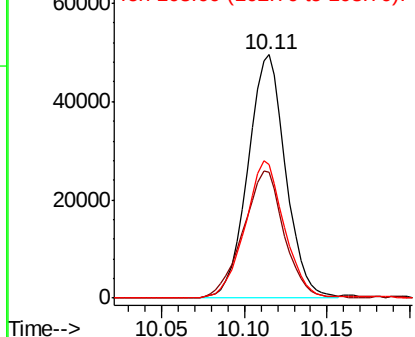


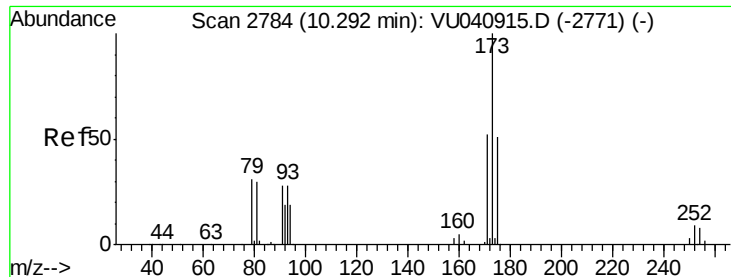
#66
Styrene
Concen: 1.826 ug/l
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU040913.D
Acq: 22 Oct 2020 19:32

Tgt Ion:104 Resp: 78286
Ion Ratio Lower Upper
104 100
78 56.7 43.4 65.0
103 58.8 43.1 64.7



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





#67

Bromoform

Concen: 2.399 ug/l

RT: 10.29 min Scan# 2784

Delta R.T. -0.00 min

Lab File: VU040913.D

Acq: 22 Oct 2020 19:32

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

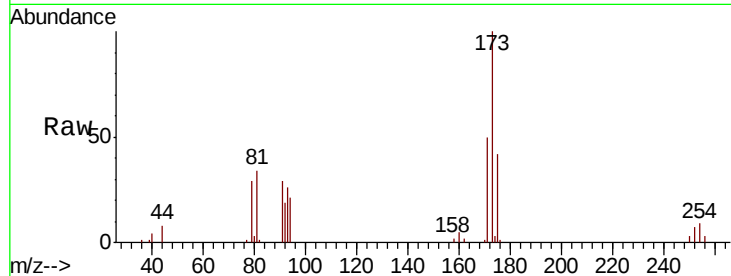
Tot Ion:173 Resp: 18614

Ion Ratio Lower Upper

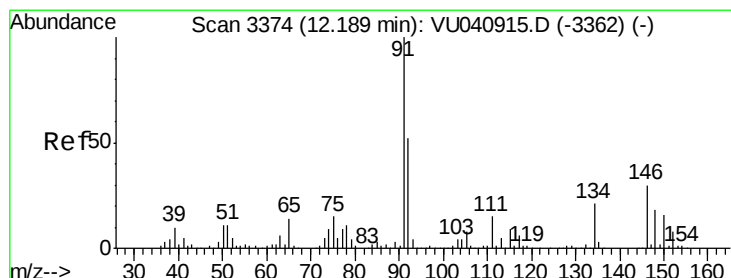
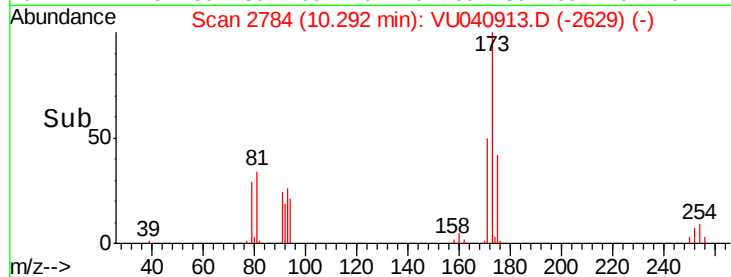
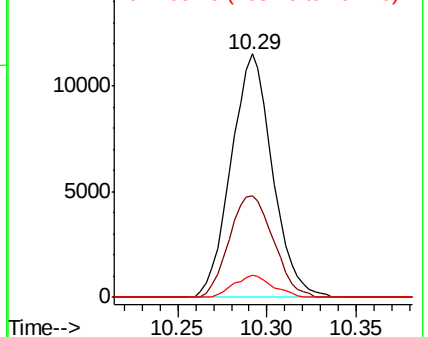
173 100

175 44.4 39.0 58.4

254 8.4 6.6 9.8



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: 1.020 ug/l

RT: 12.18 min Scan# 3372

Delta R.T. -0.01 min

Lab File: VU040913.D

Acq: 22 Oct 2020 19:32

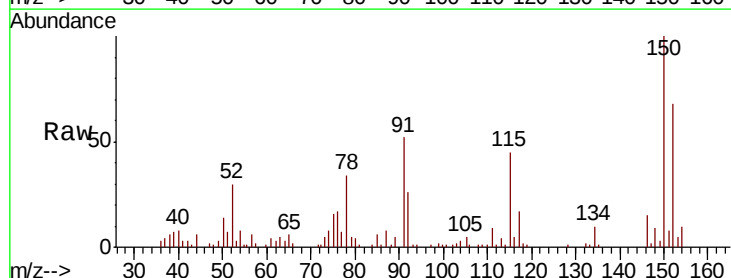
Tgt Ion:152 Resp: 20935

Ion Ratio Lower Upper

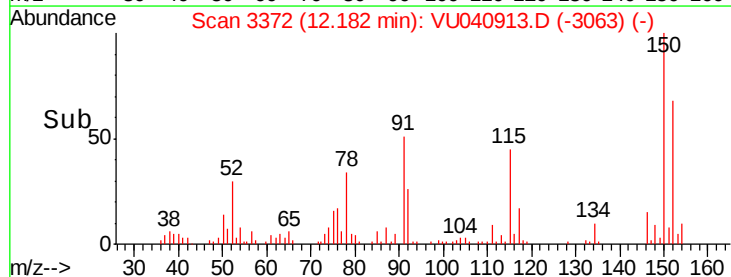
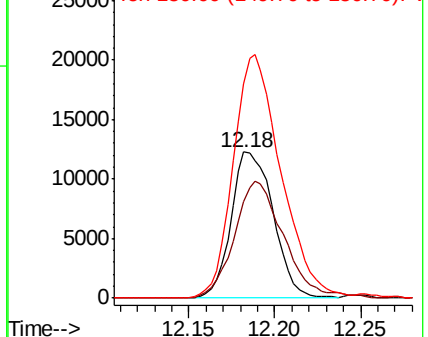
152 100

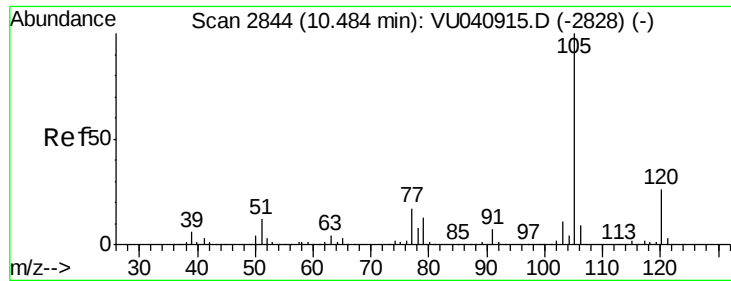
115 93.3 0.0 323.4

150 188.2 0.0 653.8



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 1.807 ug/l

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU040913.D

Acq: 22 Oct 2020 19:32

Instrument :

MSVOA_U

ClientSampleId :

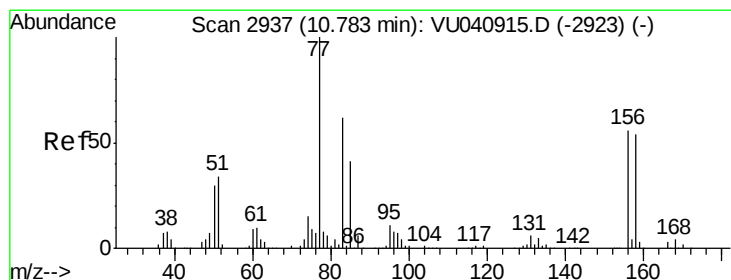
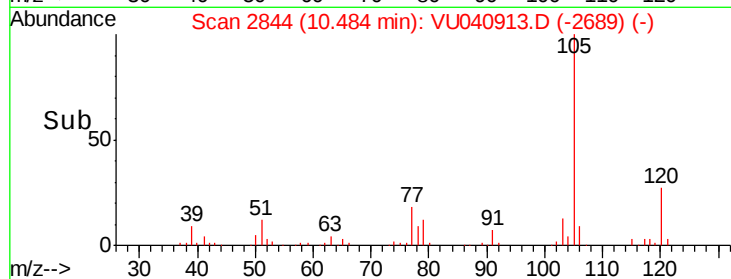
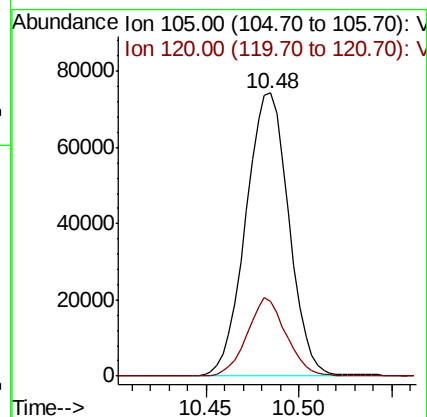
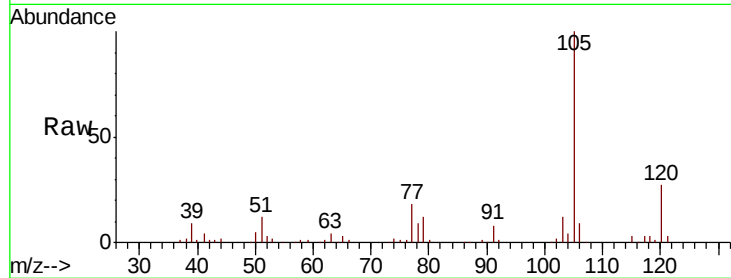
VSTDIC002

Tot Ion:105 Resp: 120357

Ion Ratio Lower Upper

105 100

120 25.2 12.9 38.6



#70

1,1,2,2-Tetrachloroethane

Concen: 2.269 ug/l

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU040913.D

Acq: 22 Oct 2020 19:32

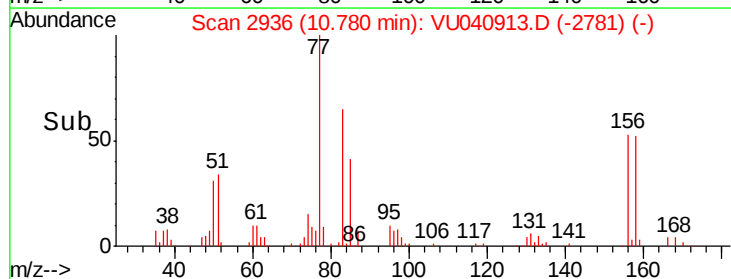
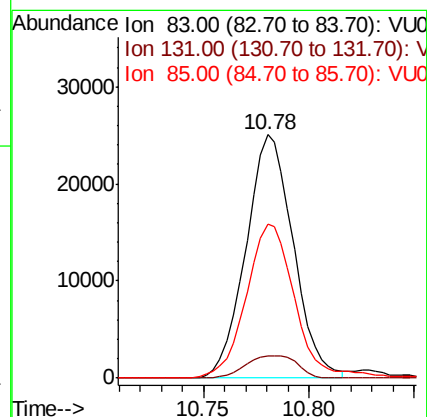
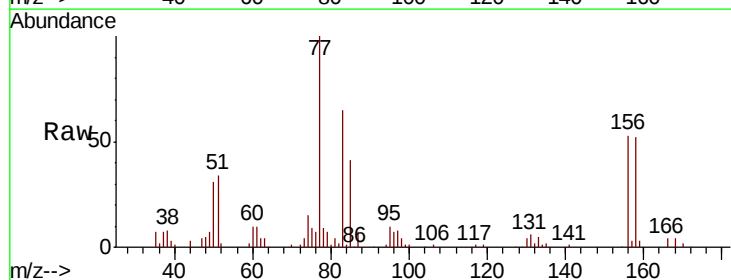
Tgt Ion: 83 Resp: 38984

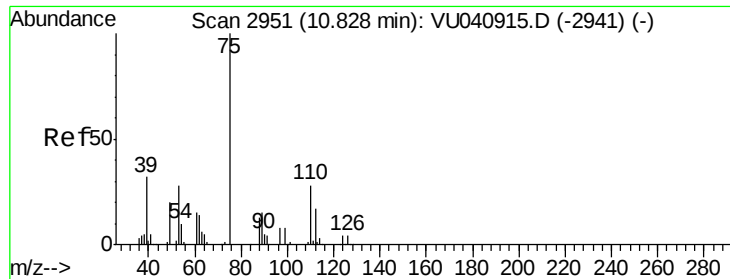
Ion Ratio Lower Upper

83 100

131 10.0 7.1 10.7

85 65.0 51.8 77.6

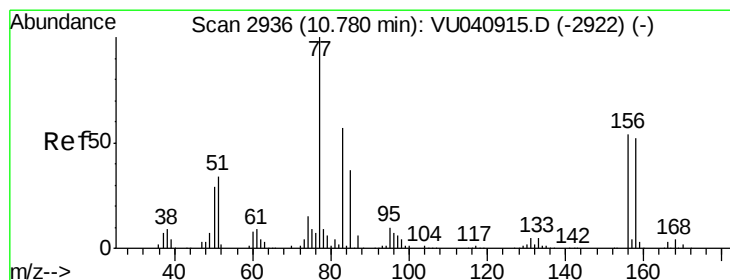
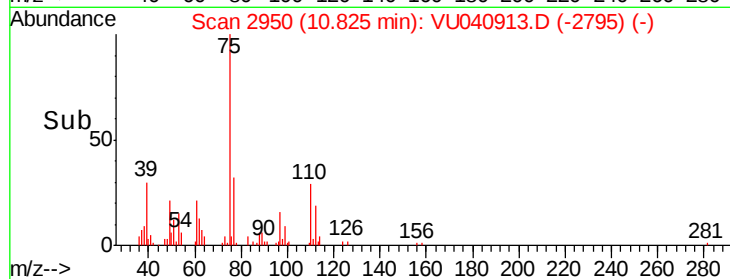
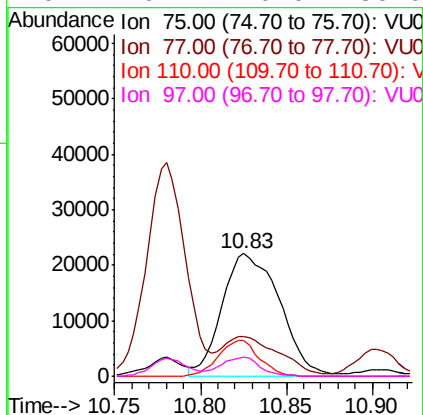
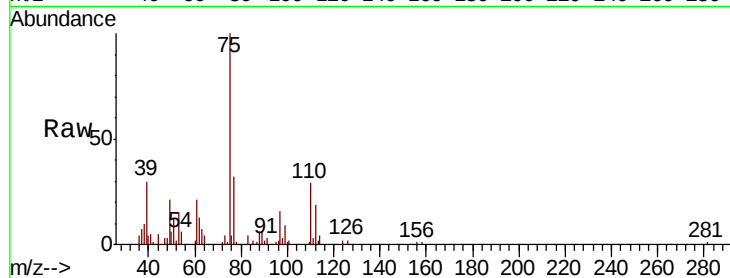




#71
 1,2,3-Trichloropropane
 Concen: 3.912 ug/l
 RT: 10.83 min Scan# 2950
 Delta R.T. -0.00 min
 Lab File: VU040913.D
 Acq: 22 Oct 2020 19:32

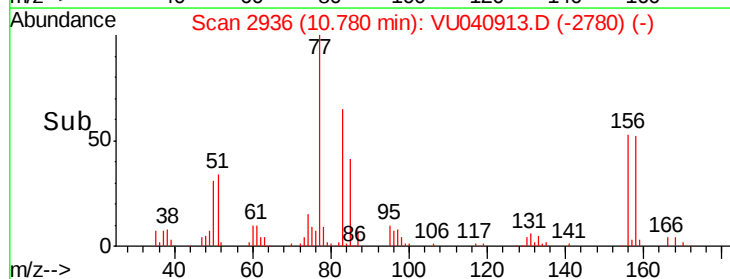
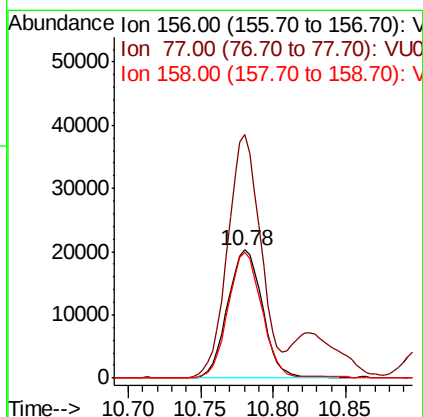
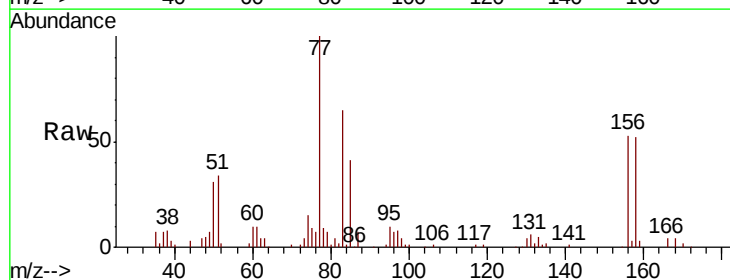
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

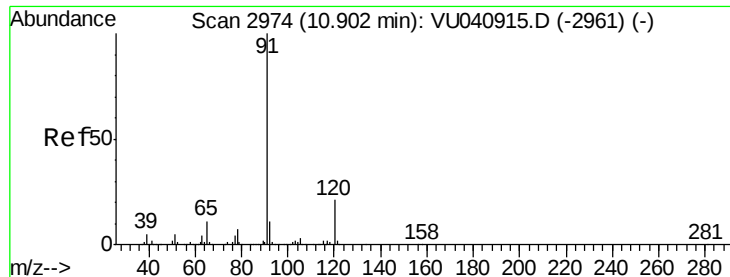
Tot Ion:	75	Resp:	51663
Ion	Ratio	Lower	Upper
75	100		
77	29.8	0.0	110.8
110	20.5	0.0	73.4
97	10.7	0.0	36.0



#72
 Bromobenzene
 Concen: 2.154 ug/l
 RT: 10.78 min Scan# 2936
 Delta R.T. -0.00 min
 Lab File: VU040913.D
 Acq: 22 Oct 2020 19:32

Tgt Ion:	156	Resp:	34009
Ion	Ratio	Lower	Upper
156	100		
77	179.9	0.0	370.2
158	94.6	0.0	193.2





#73

n-propylbenzene

Concen: 1.867 ug/l

RT: 10.90 min Scan# 2974

Delta R.T. -0.00 min

Lab File: VU040913.D

Acq: 22 Oct 2020 19:32

Instrument :

MSVOA_U

ClientSampleId :

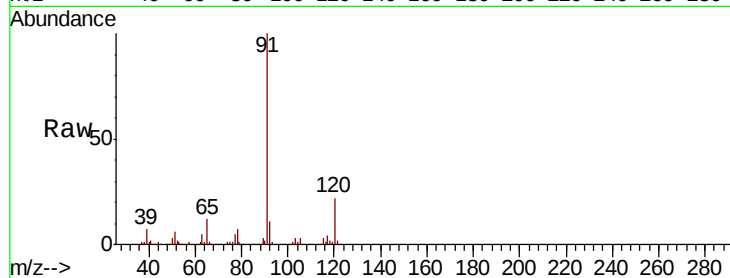
VSTDIC002

Tot Ion:120 Resp: 34563

Ion Ratio Lower Upper

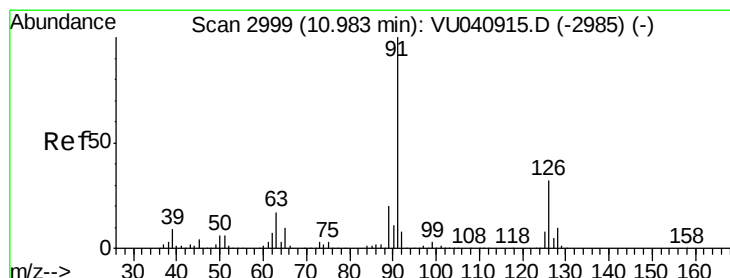
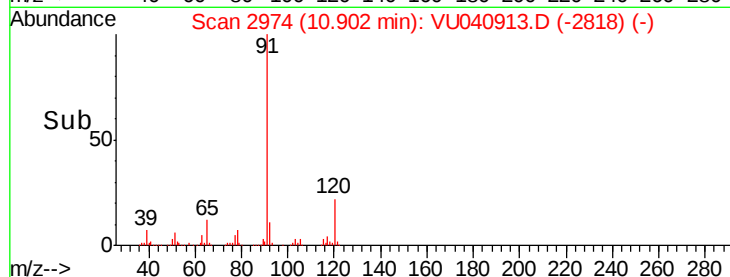
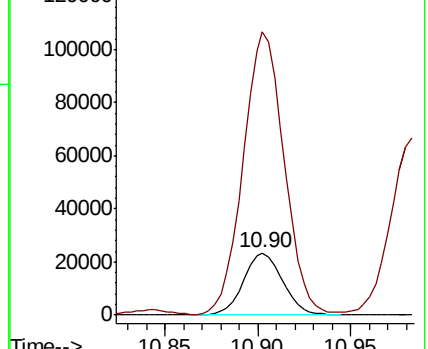
120 100

91 469.9 370.8 556.2



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 1.987 ug/l

RT: 10.99 min Scan# 3000

Delta R.T. 0.00 min

Lab File: VU040913.D

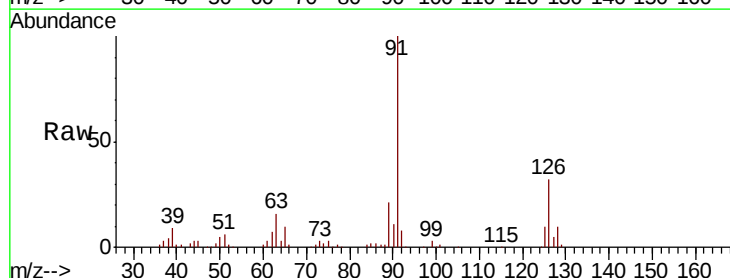
Acq: 22 Oct 2020 19:32

Tgt Ion:126 Resp: 32096

Ion Ratio Lower Upper

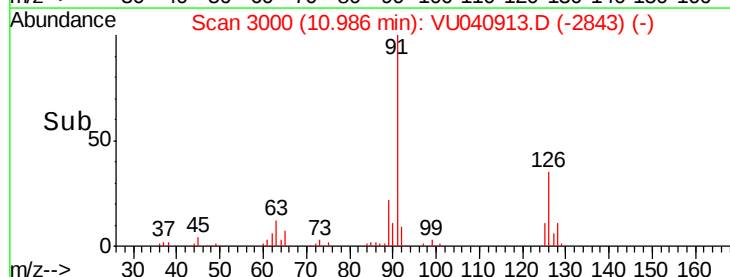
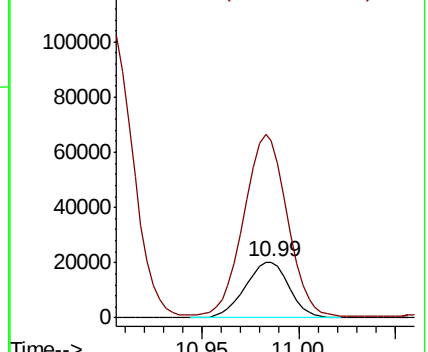
126 100

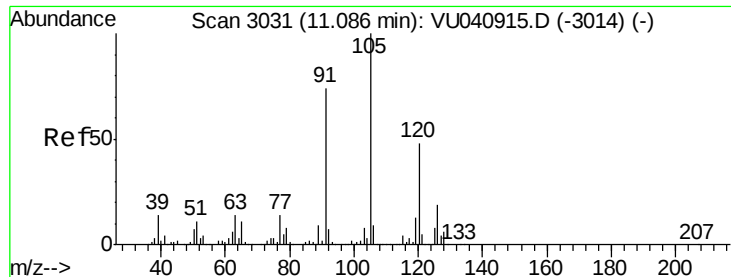
91 322.6 0.0 633.2



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: 1.868 ug/l

RT: 11.09 min Scan# 3031

Delta R.T. -0.00 min

Lab File: VU040913.D

Acq: 22 Oct 2020 19:32

Instrument :

MSVOA_U

ClientSampleId :

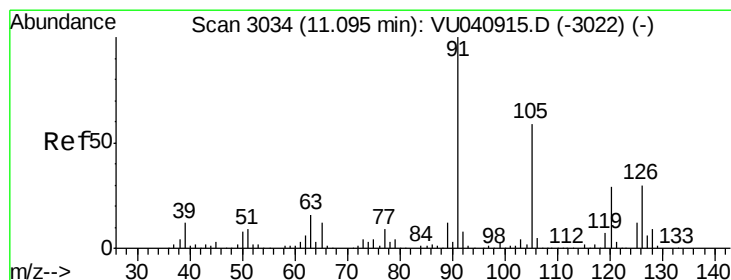
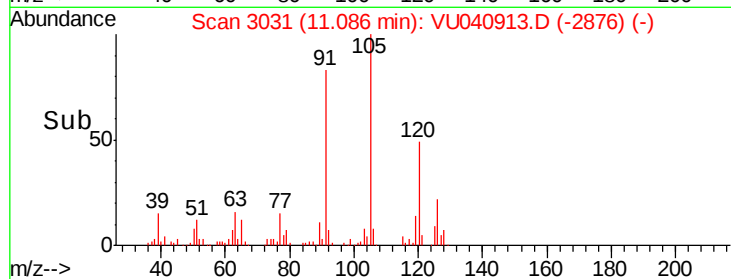
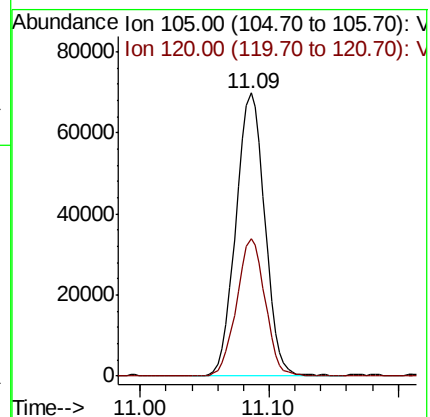
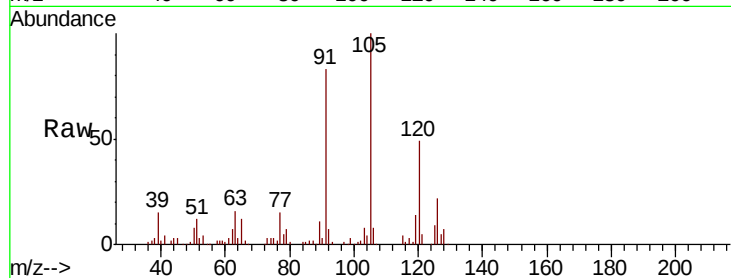
VSTDIC002

Tot Ion:105 Resp: 109158

Ion Ratio Lower Upper

105 100

120 47.9 38.7 58.1



#76

4-Chlorotoluene

Concen: 2.080 ug/l

RT: 11.10 min Scan# 3034

Delta R.T. -0.00 min

Lab File: VU040913.D

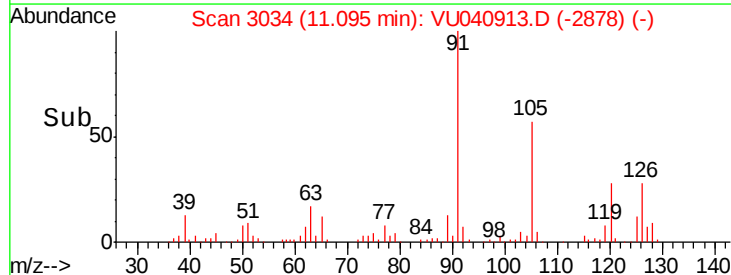
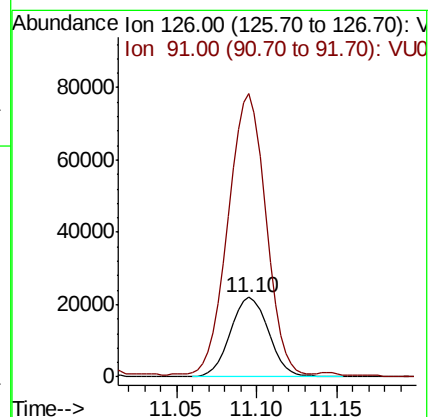
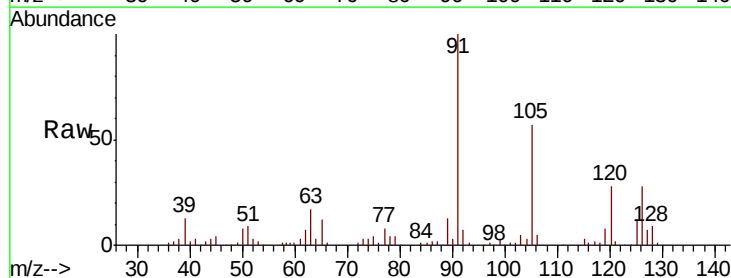
Acq: 22 Oct 2020 19:32

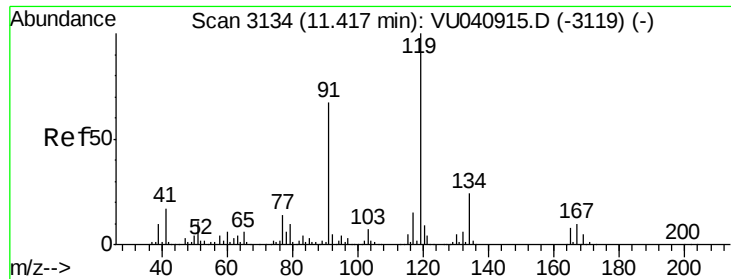
Tgt Ion:126 Resp: 36167

Ion Ratio Lower Upper

126 100

91 344.5 0.0 730.4





#77

tert-Butylbenzene

Concen: 1.914 ug/l

RT: 11.42 min Scan# 3134

Delta R.T. -0.00 min

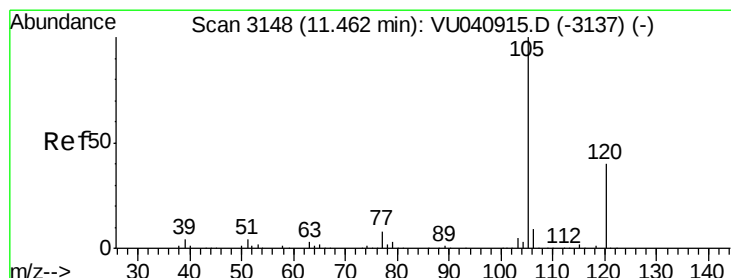
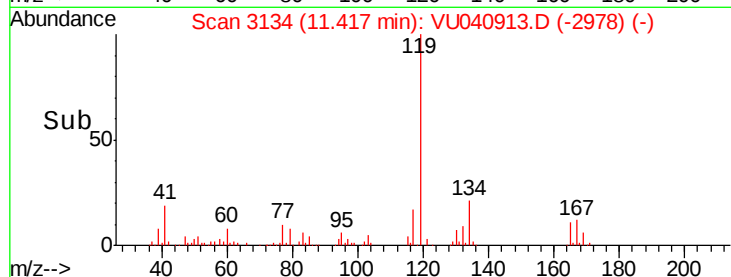
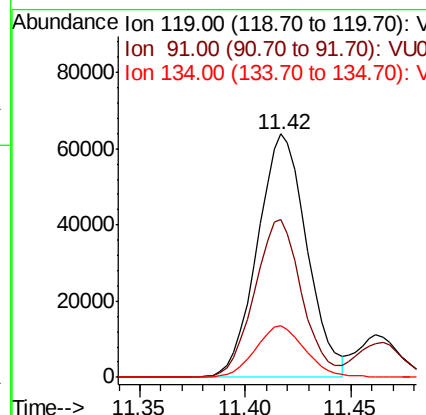
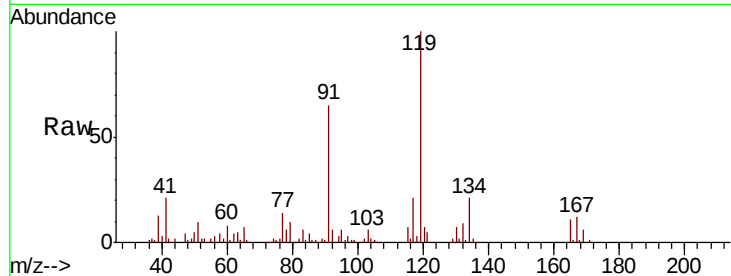
Lab File: VU040913.D

Acq: 22 Oct 2020 19:32

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion:119 Resp: 104143

Ion	Ratio	Lower	Upper
119	100		
91	61.8	32.0	96.2
134	21.4	18.4	27.6



#78

1,2,4-Trimethylbenzene

Concen: 1.853 ug/l

RT: 11.47 min Scan# 3149

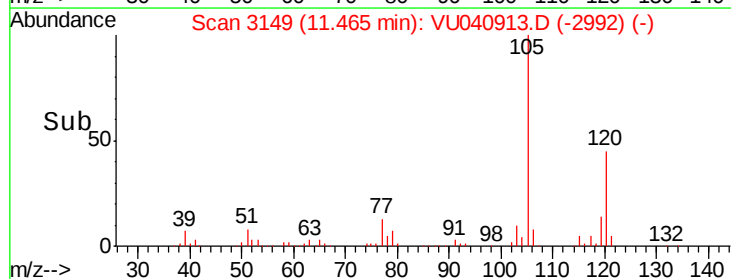
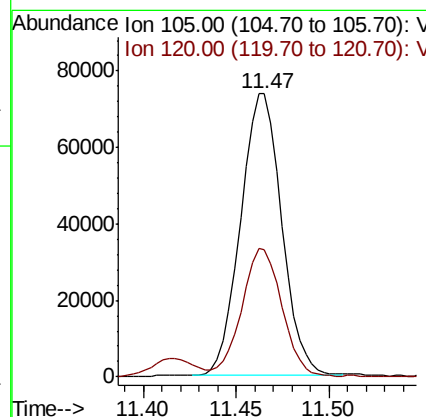
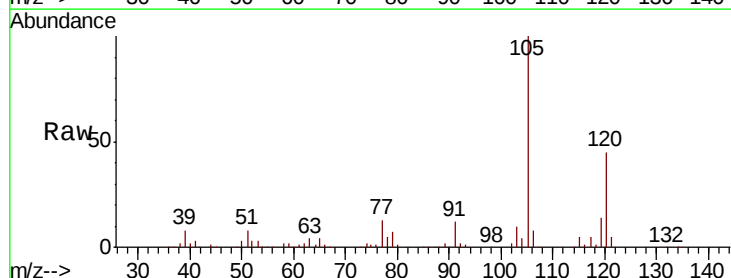
Delta R.T. 0.00 min

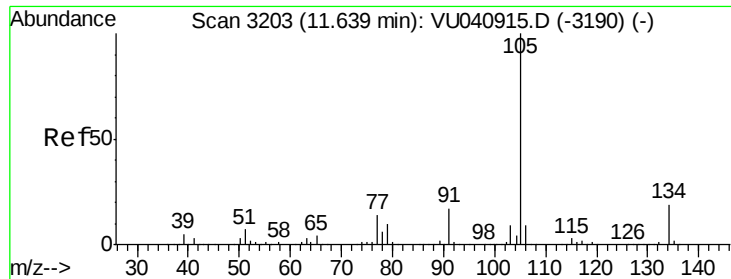
Lab File: VU040913.D

Acq: 22 Oct 2020 19:32

Tgt Ion:105 Resp: 113845

Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.6	67.8

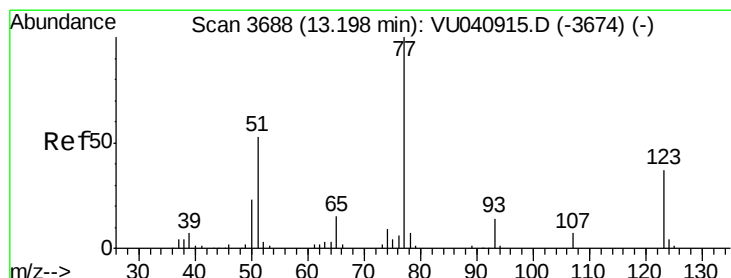
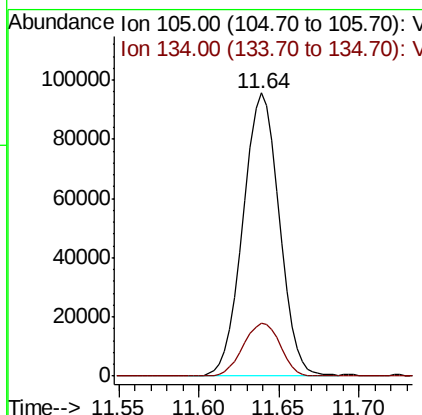
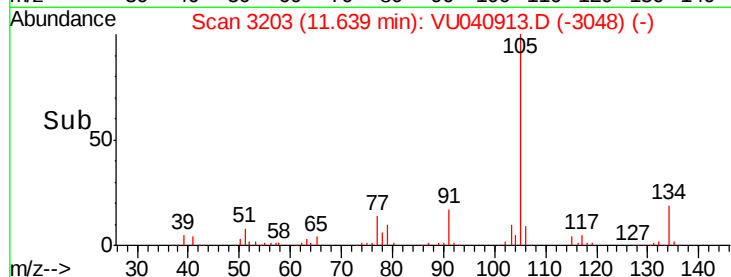
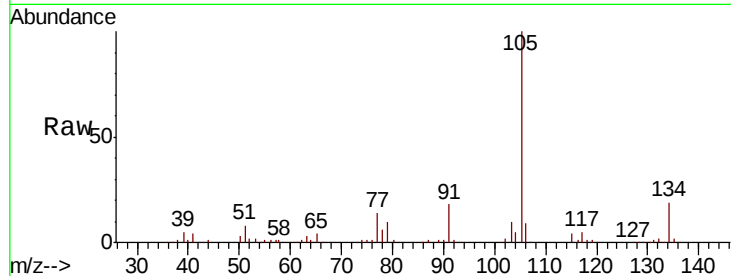




#79
 sec-Butylbenzene
 Concen: 1.887 ug/l
 RT: 11.64 min Scan# 3203
 Delta R.T. -0.00 min
 Lab File: VU040913.D
 Acq: 22 Oct 2020 19:32

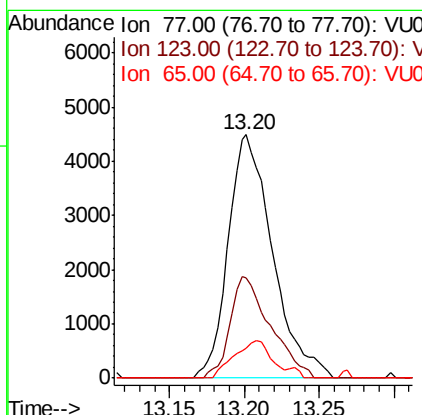
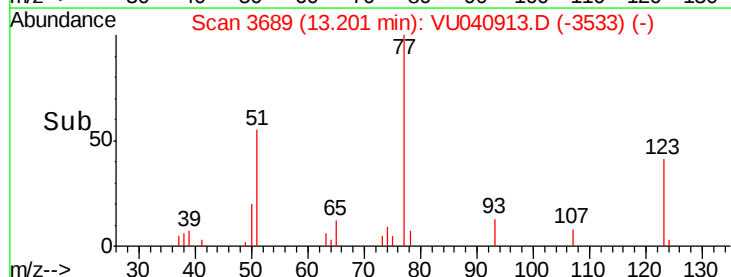
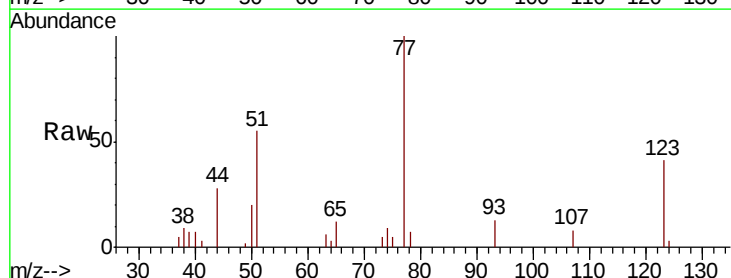
Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDIC002

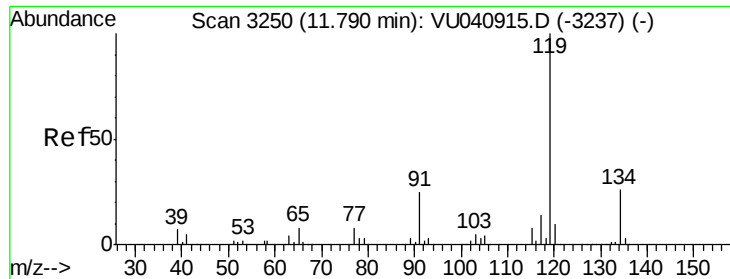
Tot Ion:105 Resp: 147931
 Ion Ratio Lower Upper
 105 100
 134 19.1 15.4 23.0



#80
 Nitrobenzene
 Concen: 12.988 ug/l
 RT: 13.20 min Scan# 3689
 Delta R.T. 0.00 min
 Lab File: VU040913.D
 Acq: 22 Oct 2020 19:32

Tgt Ion: 77 Resp: 9248
 Ion Ratio Lower Upper
 77 100
 123 37.7 16.8 59.4
 65 10.4 11.0 14.0#

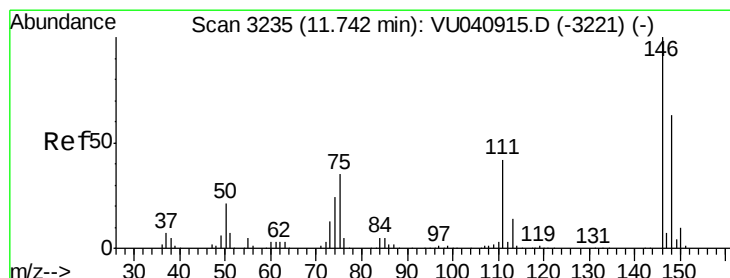
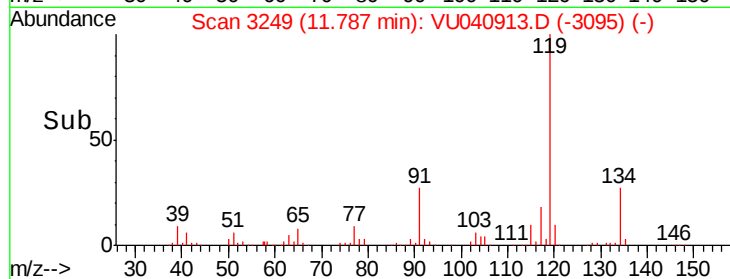
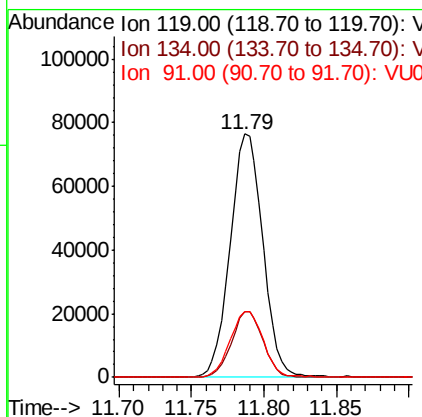
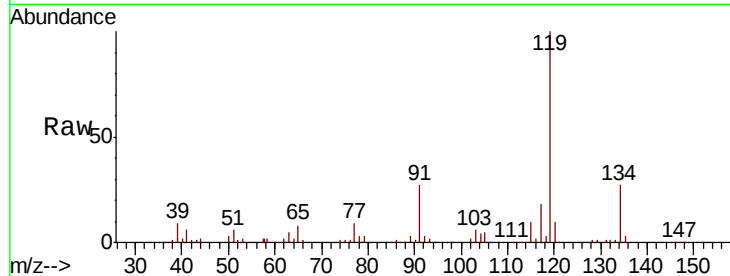




#81
 p-Isopropyltoluene
 Concen: 1.886 ug/l
 RT: 11.79 min Scan# 3249
 Delta R.T. -0.00 min
 Lab File: VU040913.D
 Acq: 22 Oct 2020 19:32

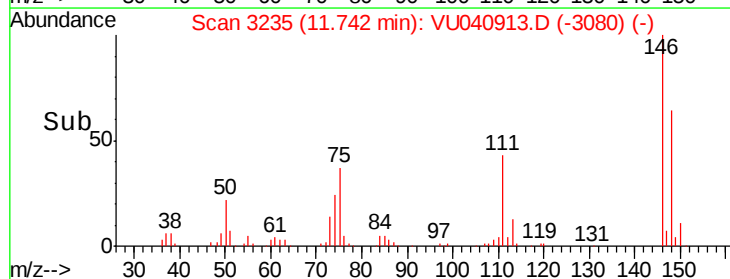
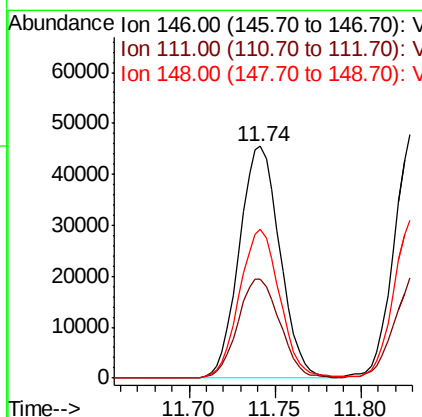
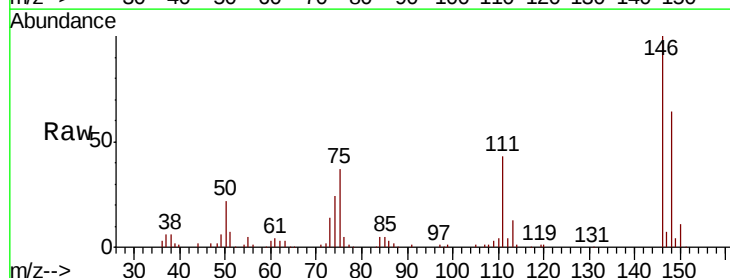
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

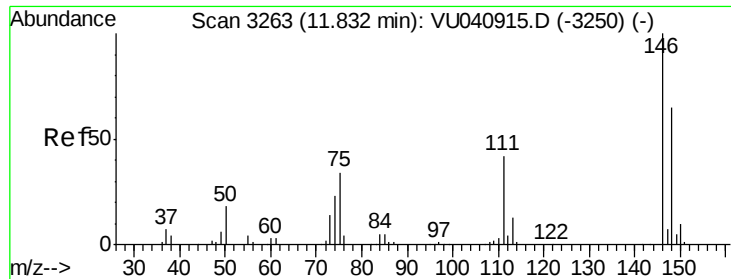
Tot Ion	Ratio	Lower	Upper
119	100		
134	26.2	20.4	30.6
91	27.2	20.4	30.6



#82
 1,3-Dichlorobenzene
 Concen: 2.162 ug/l
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU040913.D
 Acq: 22 Oct 2020 19:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.0	33.6	50.4
148	63.7	50.1	75.1

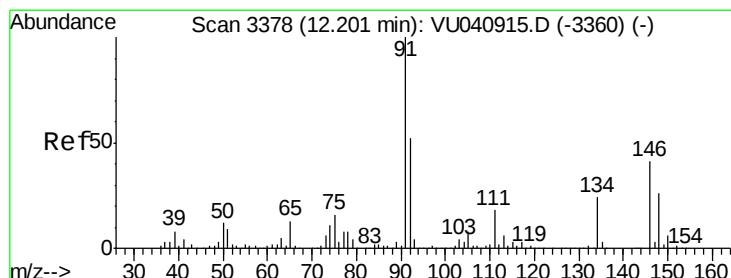
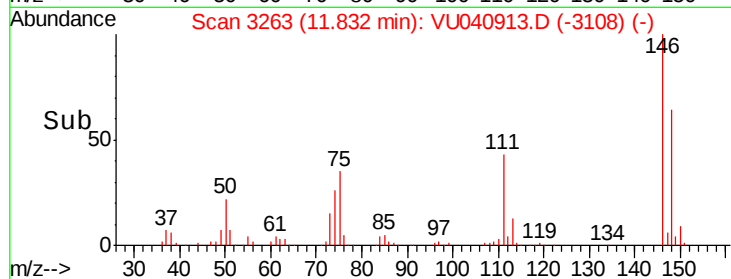
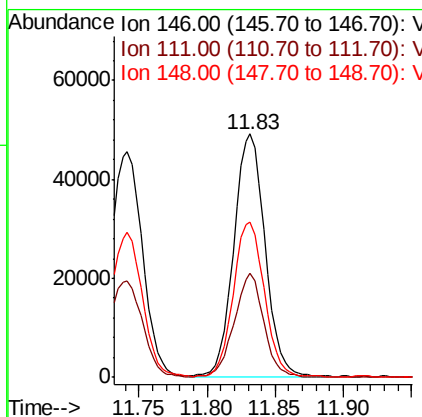
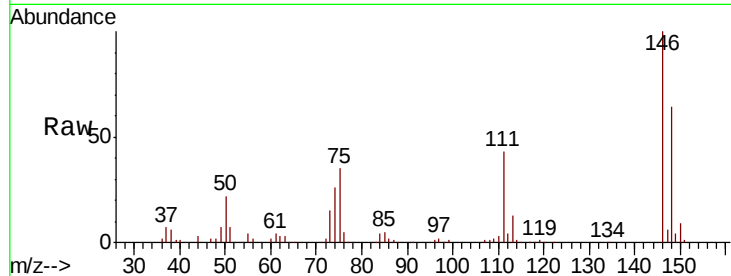




#83
 1,4-Dichlorobenzene
 Concen: 2.282 ug/l
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU040913.D
 Acq: 22 Oct 2020 19:32

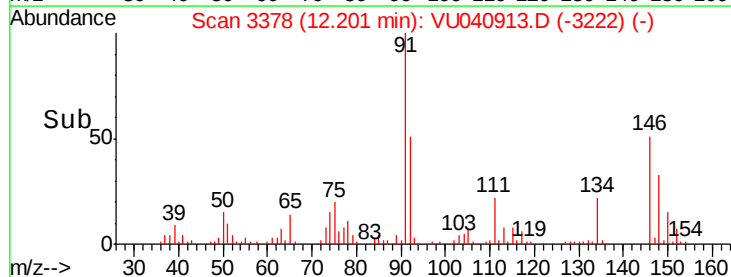
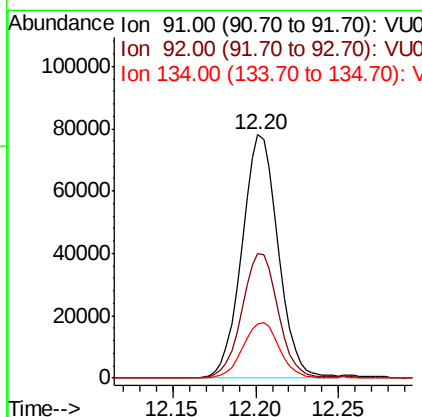
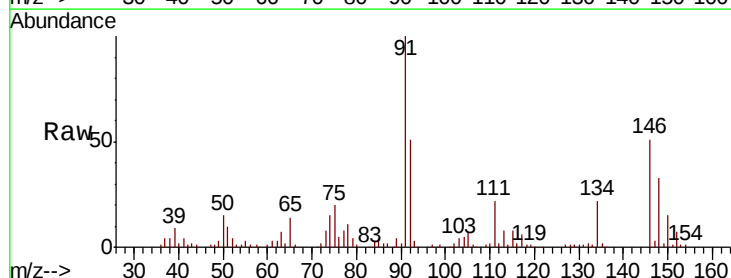
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

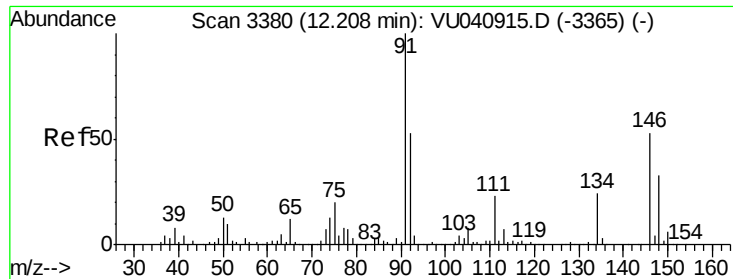
Tot Ion:146 Resp: 78165
 Ion Ratio Lower Upper
 146 100
 111 40.4 33.7 50.5
 148 63.2 50.6 75.8



#84
 n-Butylbenzene
 Concen: 1.846 ug/l
 RT: 12.20 min Scan# 3378
 Delta R.T. -0.00 min
 Lab File: VU040913.D
 Acq: 22 Oct 2020 19:32

Tgt Ion: 91 Resp: 118425
 Ion Ratio Lower Upper
 91 100
 92 51.4 41.7 62.5
 134 23.0 18.6 28.0

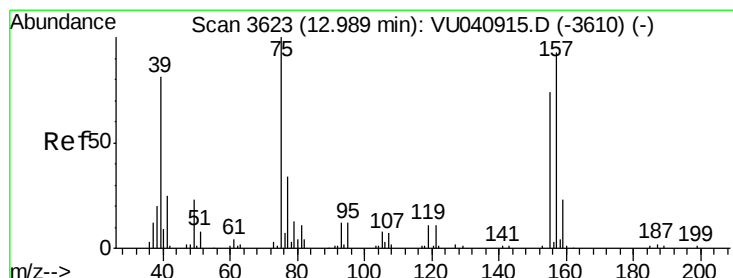
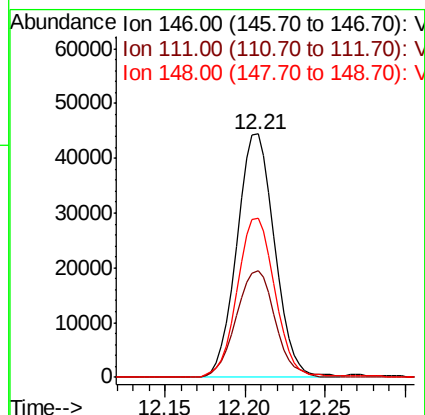
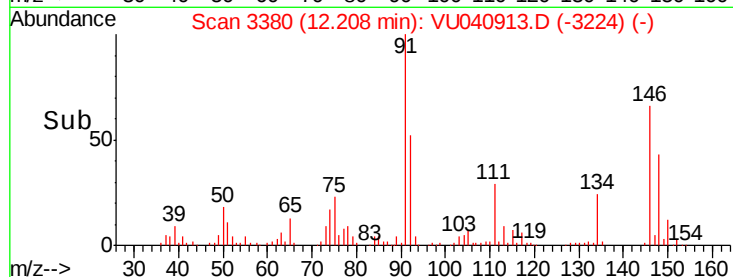
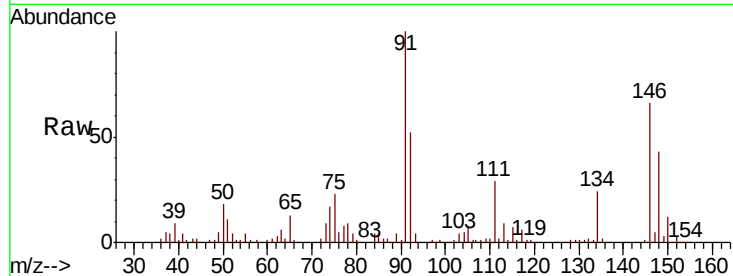




#85
 1,2-Dichlorobenzene
 Concen: 2.151 ug/l
 RT: 12.21 min Scan# 3380
 Delta R.T. -0.00 min
 Lab File: VU040913.D
 Acq: 22 Oct 2020 19:32

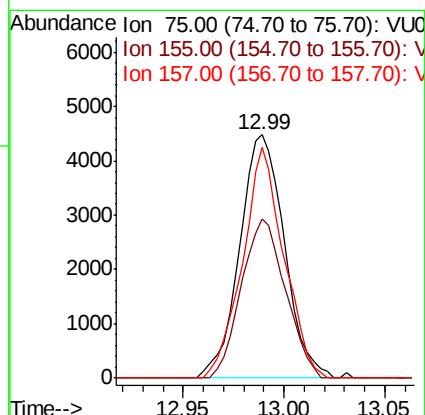
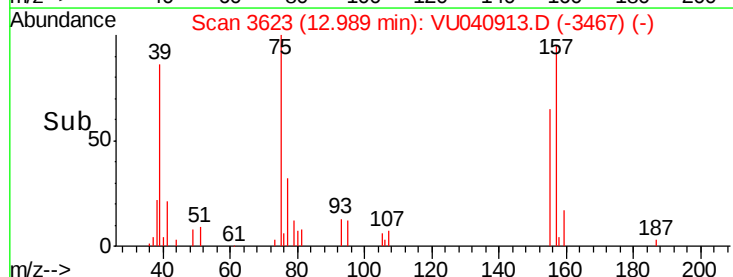
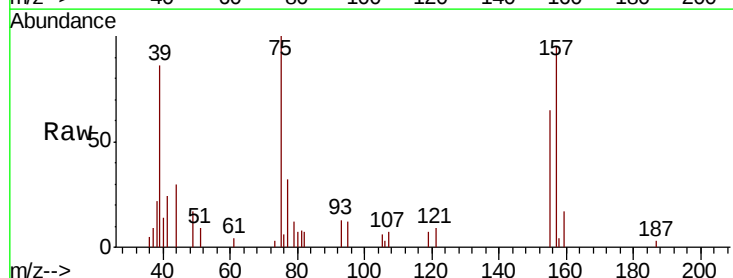
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

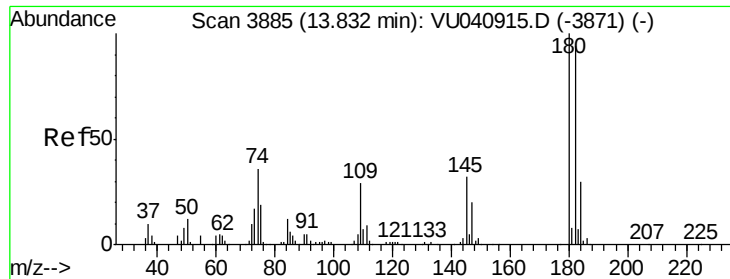
Tot Ion:146 Resp: 71328
 Ion Ratio Lower Upper
 146 100
 111 45.4 22.3 66.9
 148 65.4 31.5 94.5



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 2.207 ug/l
 RT: 12.99 min Scan# 3623
 Delta R.T. -0.00 min
 Lab File: VU040913.D
 Acq: 22 Oct 2020 19:32

Tgt Ion: 75 Resp: 6955
 Ion Ratio Lower Upper
 75 100
 155 64.6 57.1 85.7
 157 87.3 72.4 108.6

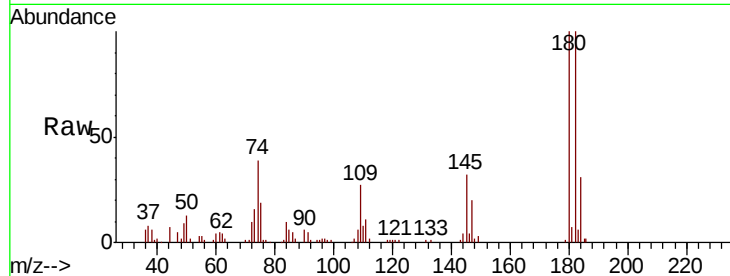




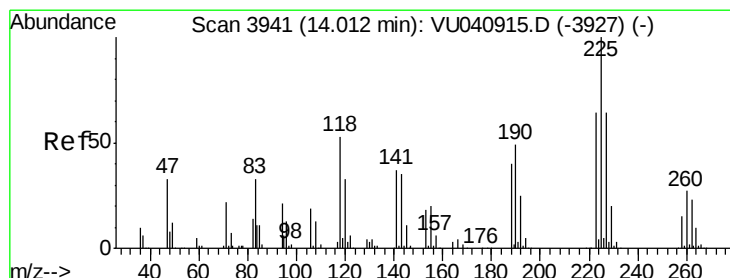
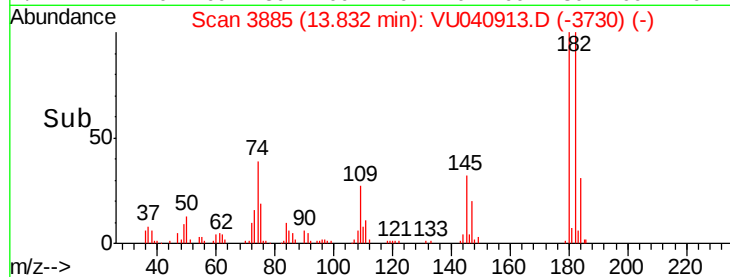
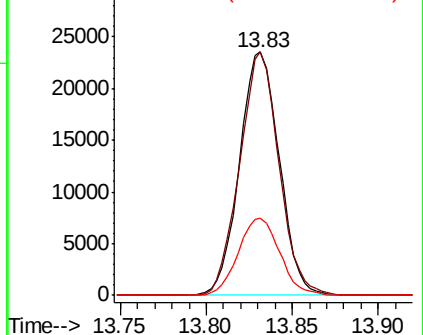
#87
 1,2,4-Trichlorobenzene
 Concen: 1.969 ug/l
 RT: 13.83 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VU040913.D
 Acq: 22 Oct 2020 19:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion:180 Resp: 37735
 Ion Ratio Lower Upper
 180 100
 182 98.7 75.4 113.2
 145 33.1 25.4 38.0

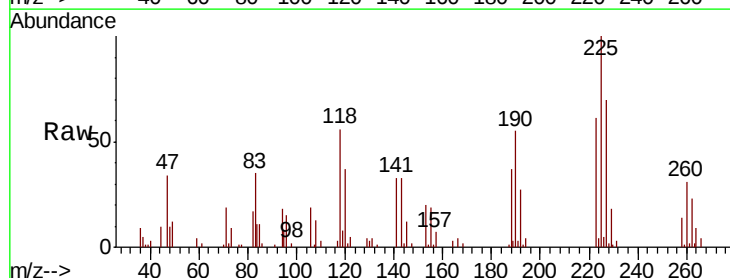


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

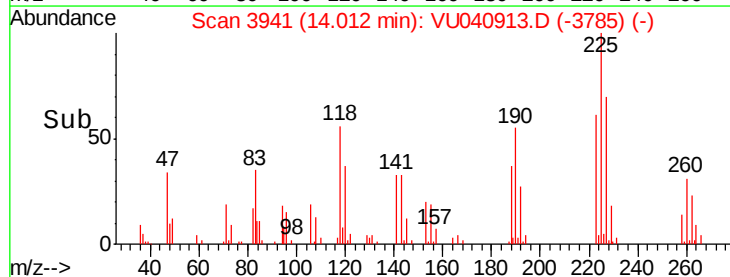
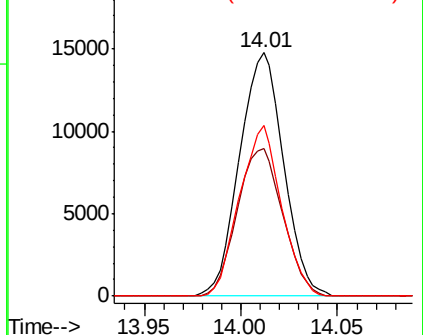


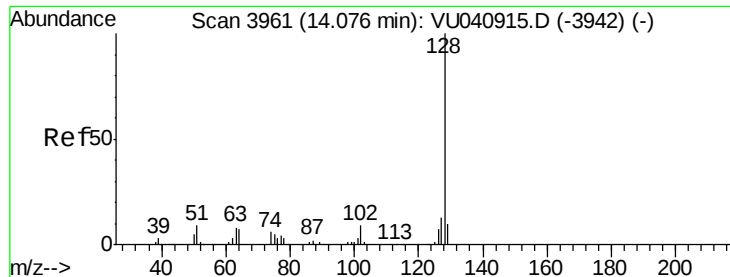
#88
 Hexachlorobutadiene
 Concen: 2.334 ug/l
 RT: 14.01 min Scan# 3941
 Delta R.T. -0.00 min
 Lab File: VU040913.D
 Acq: 22 Oct 2020 19:32

Tgt Ion:225 Resp: 23375
 Ion Ratio Lower Upper
 225 100
 223 62.6 49.9 74.9
 227 66.5 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: 1.731 ug/l

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU040913.D

Acq: 22 Oct 2020 19:32

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

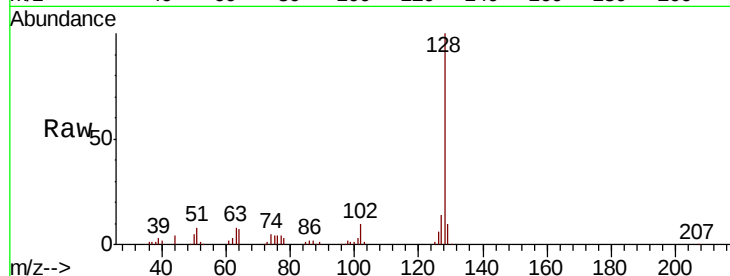
Tot Ion:128 Resp: 64694

Ion Ratio Lower Upper

128 100

127 13.9 10.7 16.1

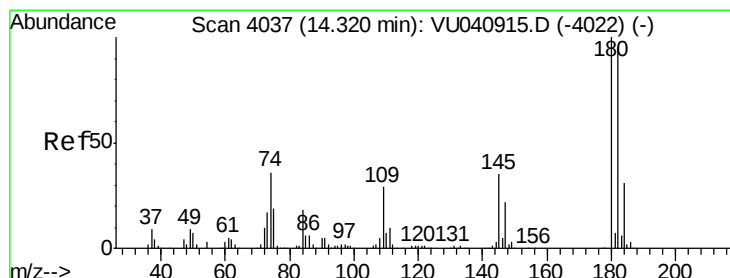
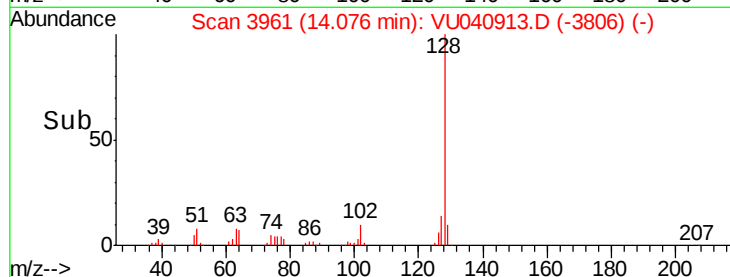
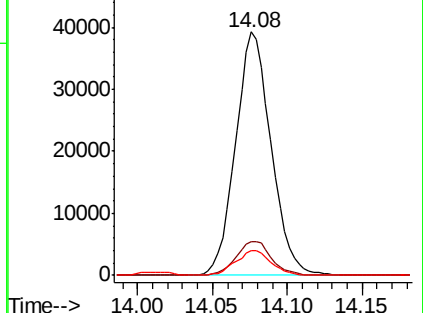
129 10.1 8.6 13.0



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: 2.073 ug/l

RT: 14.32 min Scan# 4037

Delta R.T. -0.00 min

Lab File: VU040913.D

Acq: 22 Oct 2020 19:32

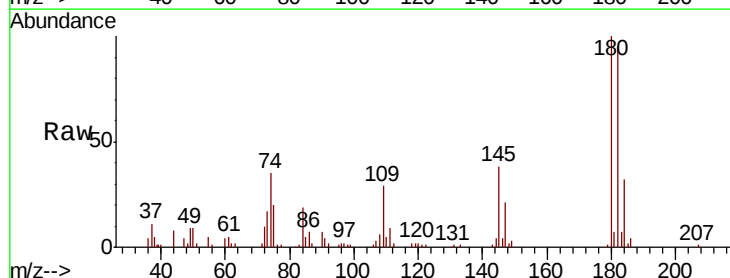
Tgt Ion:180 Resp: 37669

Ion Ratio Lower Upper

180 100

182 95.6 76.0 114.0

145 35.1 28.0 42.0



Abundance Ion 179.70 (179.40 to 180.40): V

Ion 181.70 (181.40 to 182.40): V

Ion 144.80 (144.50 to 145.50): V

