

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092420\
 Data File : VU040264.D
 Acq On : 24 Sep 2020 11:04
 Operator : SY/MD
 Sample : VSTD20035
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD200205

Quant Time: Sep 25 09:18:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM092420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 25 09:11:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	428041	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	424358	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	224016	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	702047	237.26	ug/L	0.00
7) Chloroethane-d5	1.90	69	520089	197.23	ug/L	-0.02
11) 1,1-Dichloroethene-d2	2.57	63	1368429	241.44	ug/L	0.00
21) 2-Butanone-d5	4.64	46	1260752	480.31	ug/L	0.00
24) Chloroform-d	5.08	84	1235143	229.18	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	855954	232.06	ug/L	0.00
32) Benzene-d6	5.74	84	2367460	208.82	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	790987	209.95	ug/L	0.00
41) Toluene-d8	7.91	98	2188875	210.03	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	436808	238.96	ug/L	0.00
47) 2-Hexanone-d5	8.64	63	858338	417.47	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.76	84	1175132	213.64	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.19	152	860469	209.69	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.39	85	581805	195.238	ug/L	100
3) Chloromethane	1.52	50	706138	198.805	ug/L	99
5) Vinyl chloride	1.61	62	702736	187.106	ug/L	100
6) Bromomethane	1.84	94	367126	163.704	ug/L	99
8) Chloroethane	1.93	64	433826	181.780	ug/L	98
9) Trichlorofluoromethane	2.14	101	943530	204.838	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	606329	216.558	ug/L	99
12) 1,1-Dichloroethene	2.58	96	572973	213.259	ug/L	88
13) Acetone	2.63	43	1247866	452.717	ug/L	100
14) Carbon disulfide	2.80	76	1839607	224.712	ug/L	99
15) Methyl Acetate	2.95	43	926074	234.184	ug/L	99
16) Methylene chloride	3.06	84	661659	200.225	ug/L	99
17) trans-1,2-Dichloroethene	3.37	96	604401	210.737	ug/L	99
18) Methyl tert-butyl Ether	3.38	73	2083644	211.321	ug/L	100
19) 1,1-Dichloroethane	3.89	63	1232777	213.670	ug/L	99
20) cis-1,2-Dichloroethene	4.68	96	669516	207.077	ug/L	97
22) 2-Butanone	4.72	43	1543214	471.502	ug/L	100
23) Bromochloromethane	4.99	128	334455	215.790	ug/L	98
25) Chloroform	5.11	83	1217518	215.848	ug/L	98
27) 1,2-Dichloroethane	5.81	62	1032963	218.294	ug/L	100
29) Cyclohexane	5.40	56	1198995	212.834	ug/L	98
30) 1,1,1-Trichloroethane	5.33	97	1046577	219.563	ug/L	99
31) Carbon tetrachloride	5.54	117	913277	233.686	ug/L	100
33) Benzene	5.79	78	2625580	198.886	ug/L	100
34) Trichloroethene	6.55	95	674682	205.273	ug/L	98
35) Methylcyclohexane	6.77	83	1136505	200.596	ug/L	99
37) 1,2-Dichloropropane	6.80	63	729596	203.759	ug/L	100
38) Bromodichloromethane	7.11	83	950159	215.996	ug/L	99
39) cis-1,3-Dichloropropene	7.61	75	1185283	210.193	ug/L	100
40) 4-Methyl-2-pentanone	7.80	43	2652676	462.730	ug/L	99

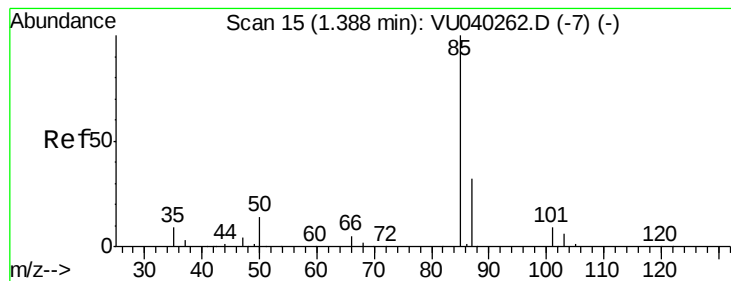
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092420\
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 Quant Title : VOC Analysis
 QLast Update : Fri Sep 25 09:11:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.98	91	2747737	193.959	ug/L	100
44) trans-1,3-Dichloropropene	8.21	75	1178410	233.067	ug/L	99
45) 1,1,2-Trichloroethane	8.40	97	643730	199.101	ug/L	99
46) Tetrachloroethene	8.56	164	483644	209.124	ug/L	98
48) 2-Hexanone	8.69	43	2186068	465.453	ug/L	98
49) Dibromochloromethane	8.82	129	732156	225.653	ug/L	97
50) 1,2-Dibromoethane	8.93	107	703597	206.233	ug/L	100
51) Chlorobenzene	9.45	112	1768276	205.410	ug/L	99
52) Ethylbenzene	9.57	91	3198629	205.345	ug/L	100
53) m,p-Xylene	9.70	106	1169764	203.899	ug/L	97
54) o-xylene	10.10	106	1138131	200.165	ug/L	95
55) Styrene	10.11	104	1992783	209.009	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.78	83	1185216	205.254	ug/L	100
59) Bromoform	10.29	173	544983	215.773	ug/L	100
60) 1,2,3-Trichloropropane	10.82	75	997160	188.837	ug/L	99
61) Isopropylbenzene	10.48	105	3103373	187.035	ug/L	99
62) 1,3,5-Trimethylbenzene	11.09	105	2744283	194.150	ug/L	99
63) 1,2,4-Trimethylbenzene	11.47	105	2788126	196.157	ug/L	99
64) 1,3-Dichlorobenzene	11.74	146	1426512	201.254	ug/L	100
65) 1,4-Dichlorobenzene	11.83	146	1446849	201.235	ug/L	99
67) 1,2-Dichlorobenzene	12.21	146	1389303	193.781	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.99	75	307762	204.343	ug/L	98
69) 1,3,5-Trichlorobenzene	13.21	180	971658	197.957	ug/L	98
70) 1,2,4-trichlorobenzene	13.83	180	880519	213.462	ug/L	99
71) Naphthalene	14.08	128	2983814	208.535	ug/L	99
72) 1,2,3-Trichlorobenzene	14.32	180	821267	197.284	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 195.238 ug/L

RT: 1.39 min Scan# 14

Delta R.T. -0.00 min

Lab File: VU040264.D

Acq: 24 Sep 2020 11:04

Instrument :

MSVOA_U

ClientSampleId :

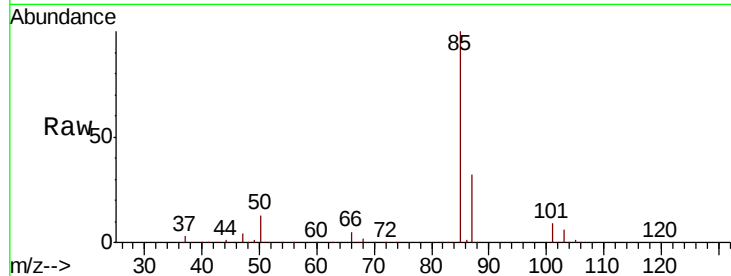
VSTD200205

Tot Ion: 85 Resp: 581805

Ion Ratio Lower Upper

85 100

87 32.3 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VU040264.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU040264.D (-7) (-)

1.39

600000

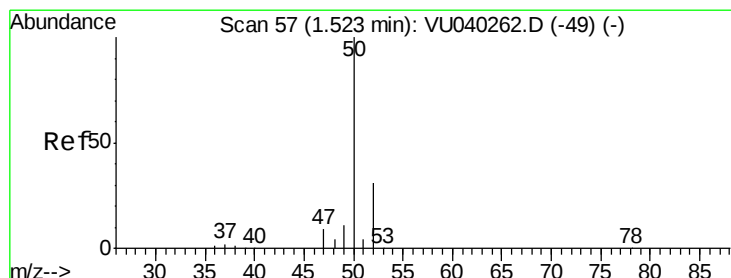
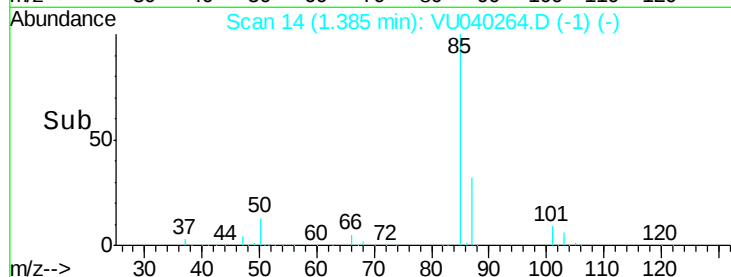
400000

200000

0

1.35 1.40 1.45

Time-->



#3

Chloromethane

Concen: 198.805 ug/L

RT: 1.52 min Scan# 57

Delta R.T. 0.00 min

Lab File: VU040264.D

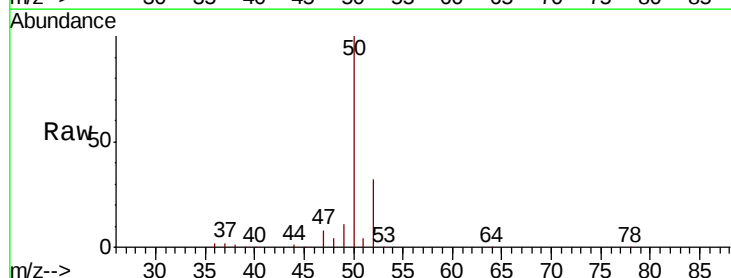
Acq: 24 Sep 2020 11:04

Tgt Ion: 50 Resp: 706138

Ion Ratio Lower Upper

50 100

52 32.0 21.8 40.6



Abundance Ion 50.00 (49.70 to 50.70): VU040264.D (-49) (-)

Ion 52.00 (51.70 to 52.70): VU040264.D (-49) (-)

1.52

600000

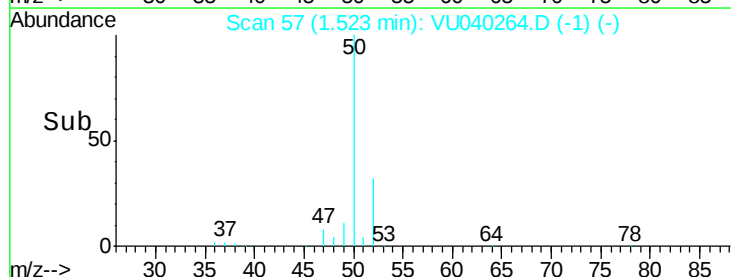
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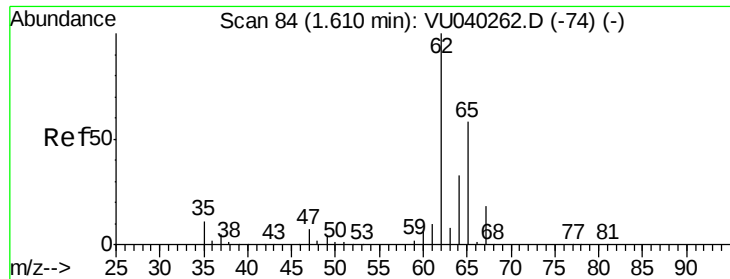
200000

0

1.50 1.55 1.60

Time-->





#5

Vinyl chloride

Concen: 187.106 ug/L

RT: 1.61 min Scan# 83

Delta R.T. -0.00 min

Lab File: VU040264.D

Acq: 24 Sep 2020 11:04

Instrument :

MSVOA_U

ClientSampleId :

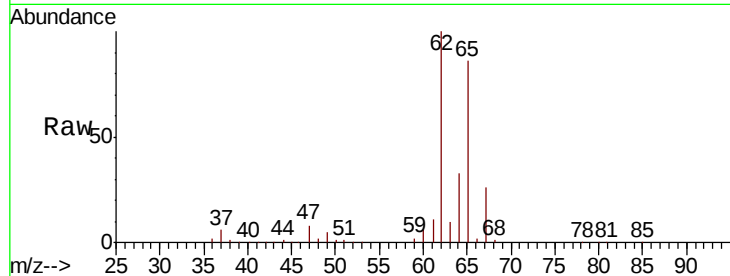
VSTD200205

Tot Ion: 62 Resp: 702736

Ion Ratio Lower Upper

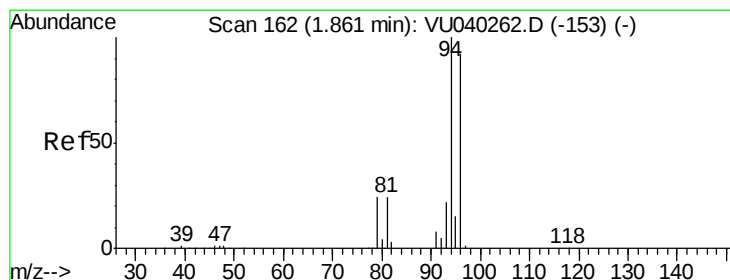
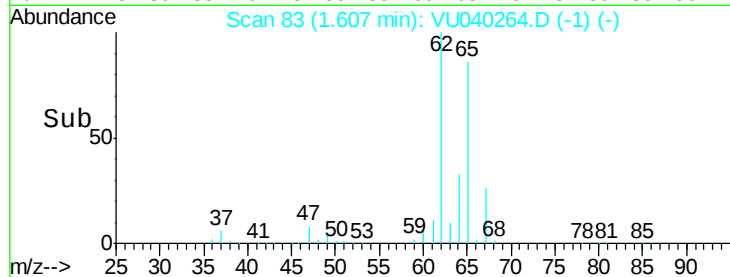
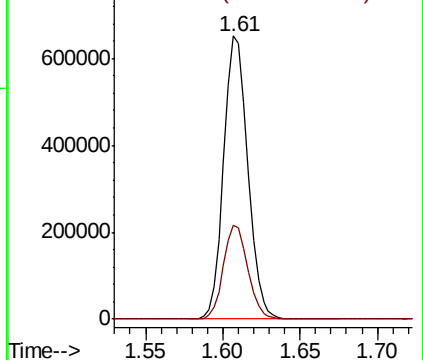
62 100

64 33.3 23.4 43.4



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 163.704 ug/L

RT: 1.84 min Scan# 155

Delta R.T. -0.02 min

Lab File: VU040264.D

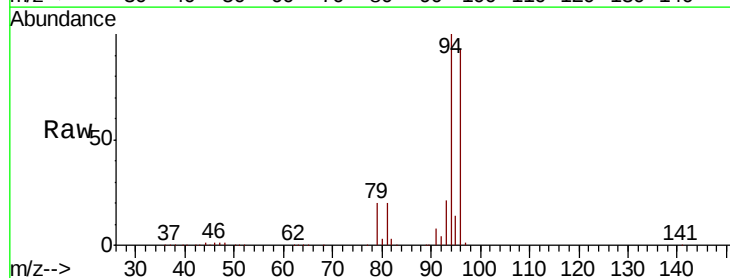
Acq: 24 Sep 2020 11:04

Tgt Ion: 94 Resp: 367126

Ion Ratio Lower Upper

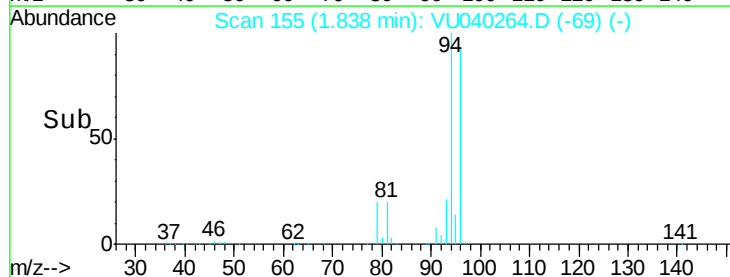
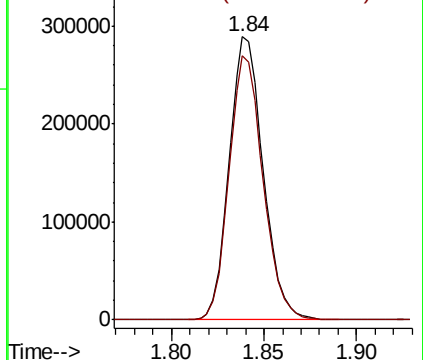
94 100

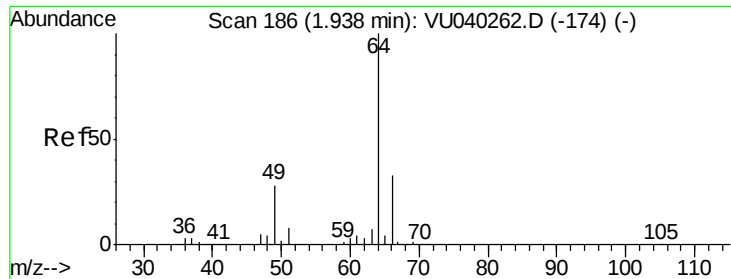
96 93.1 64.7 120.1



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 181.780 ug/L

RT: 1.93 min Scan# 182

Delta R.T. -0.01 min

Lab File: VU040264.D

Acq: 24 Sep 2020 11:04

Instrument :

MSVOA_U

ClientSampleId :

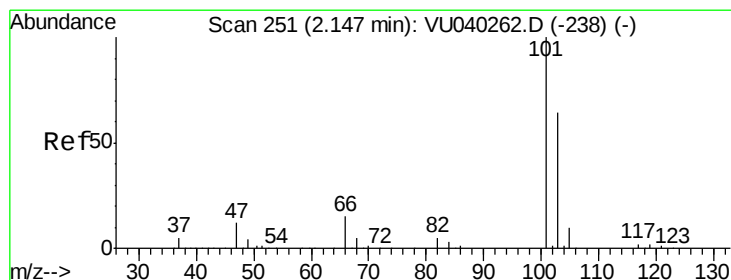
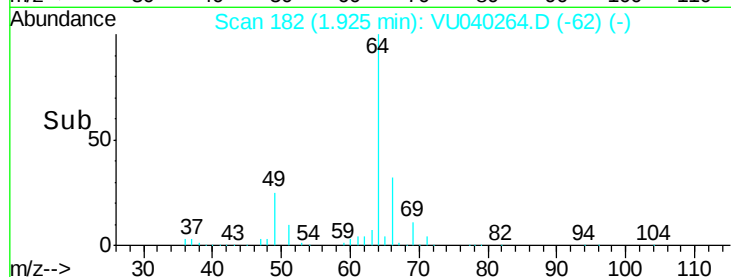
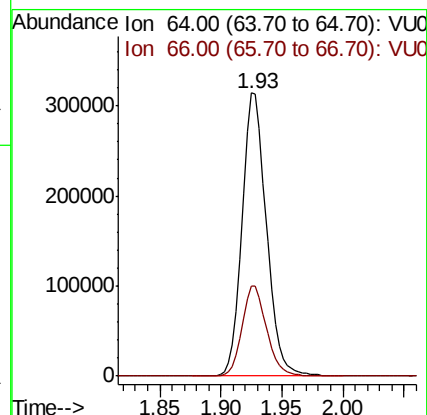
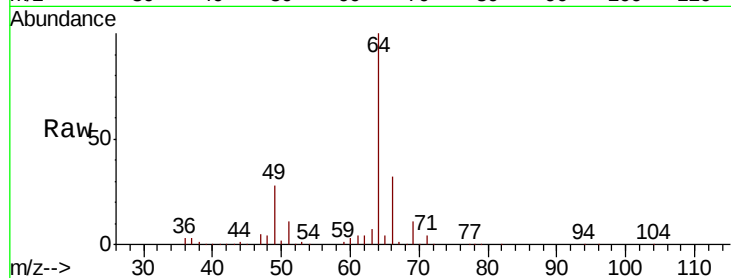
VSTD200205

Tot Ion: 64 Resp: 433826

Ion Ratio Lower Upper

64 100

66 31.7 22.8 42.4



#9

Trichlorofluoromethane

Concen: 204.838 ug/L

RT: 2.14 min Scan# 248

Delta R.T. -0.01 min

Lab File: VU040264.D

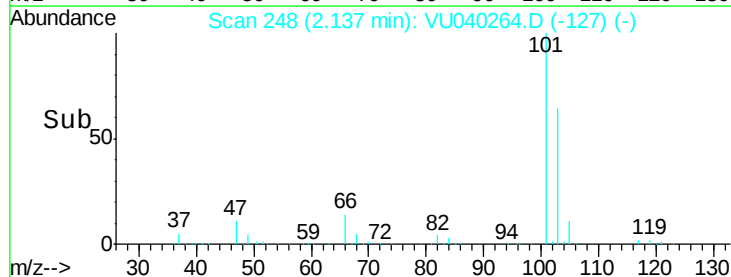
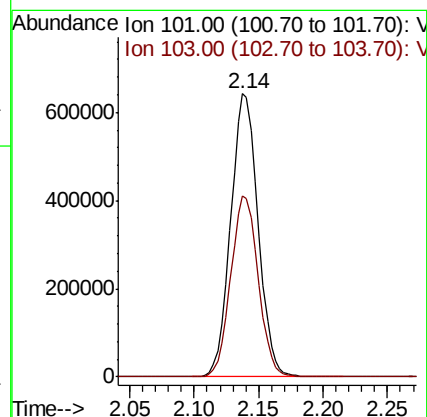
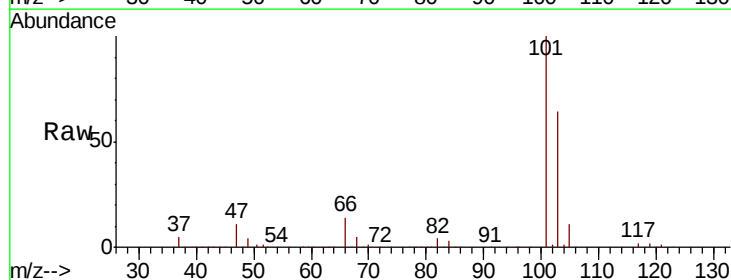
Acq: 24 Sep 2020 11:04

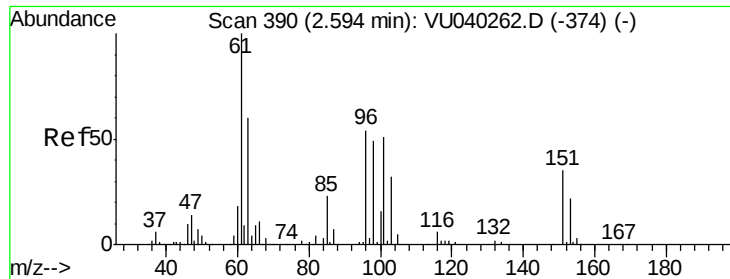
Tgt Ion: 101 Resp: 943530

Ion Ratio Lower Upper

101 100

103 64.2 50.9 76.3





#10

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

Concen: 216.558 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.01 min

Lab File: VU040264.D

Acq: 24 Sep 2020 11:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD200205

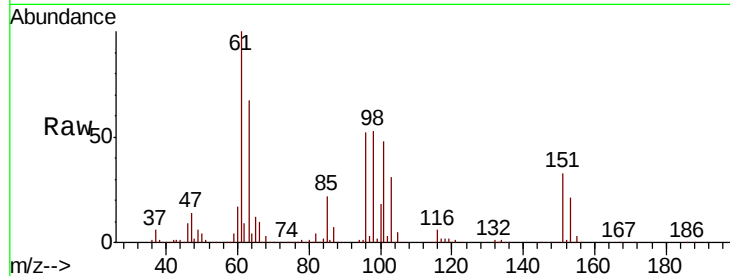
Tot Ion:101 Resp: 606329

Ion Ratio Lower Upper

101 100

85 45.4 36.0 54.0

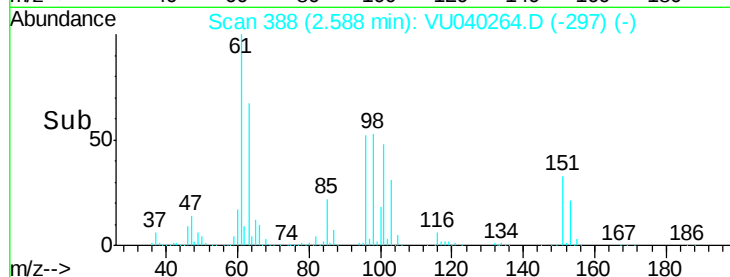
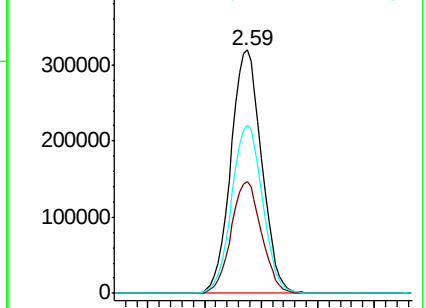
151 69.4 54.5 81.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 213.259 ug/L

RT: 2.58 min Scan# 387

Delta R.T. -0.01 min

Lab File: VU040264.D

Acq: 24 Sep 2020 11:04

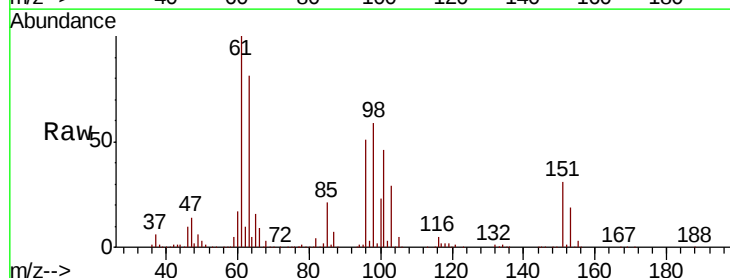
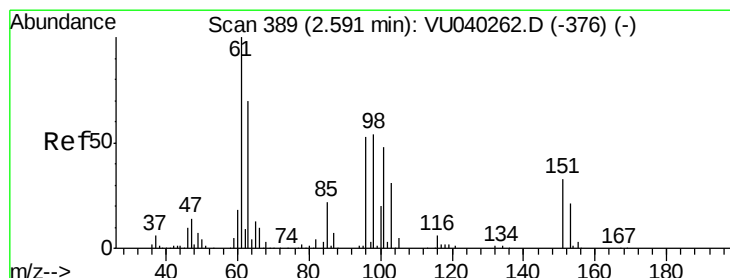
Tgt Ion: 96 Resp: 572973

Ion Ratio Lower Upper

96 100

61 196.3 131.8 244.8

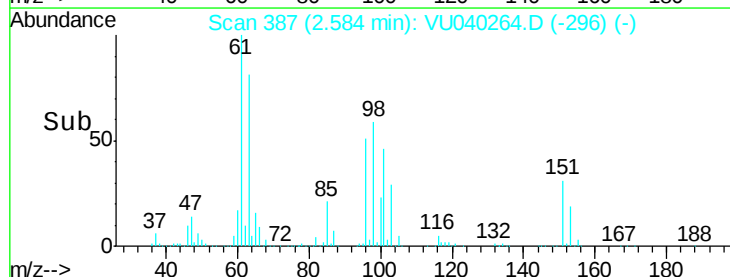
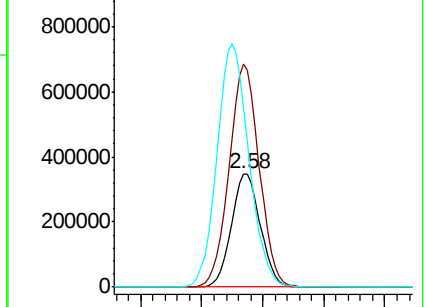
63 158.6 94.1 174.7

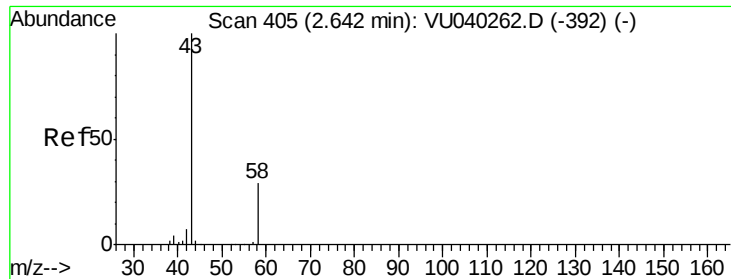


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0

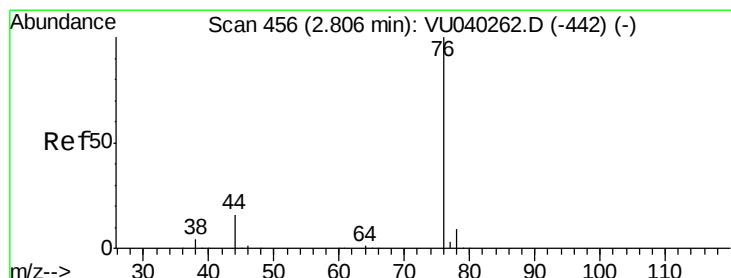
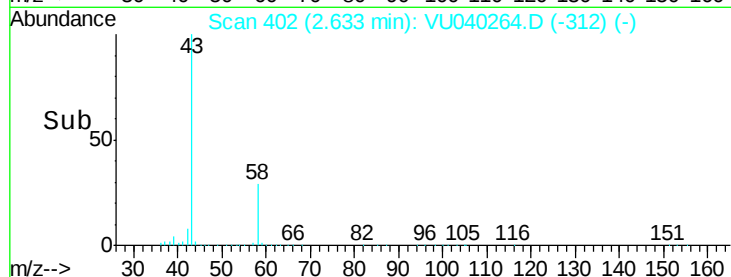
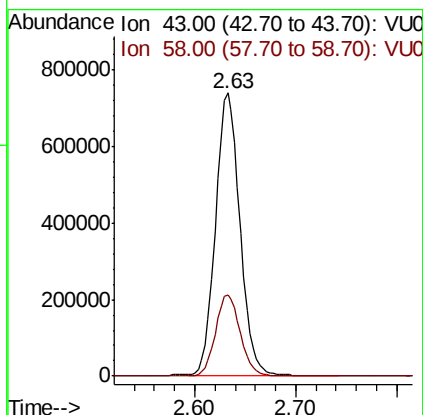
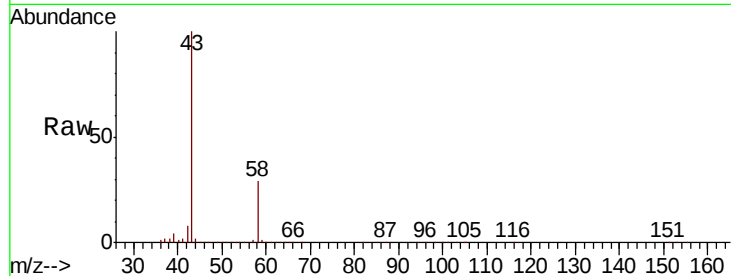




#13
Acetone
Concen: 452.717 ug/L
RT: 2.63 min Scan# 402
Delta R.T. -0.01 min
Lab File: VU040264.D
Acq: 24 Sep 2020 11:04

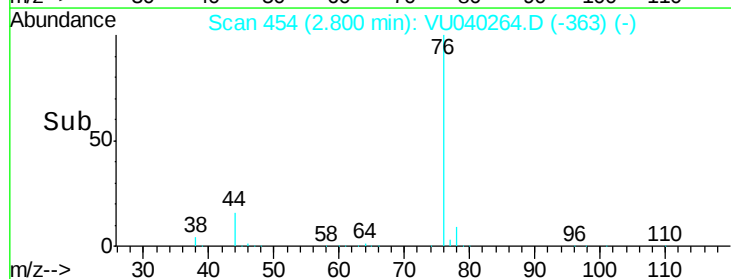
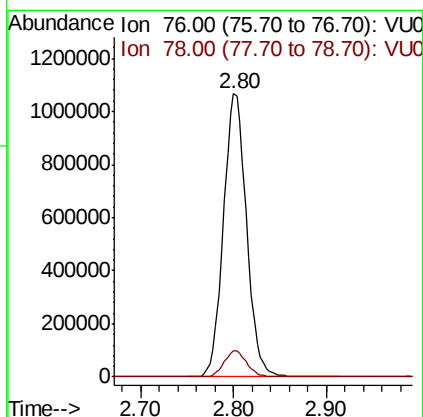
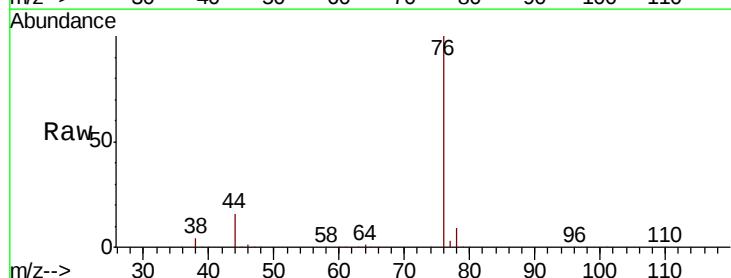
Instrument :
MSVOA_U
ClientSampleId :
VSTD200205

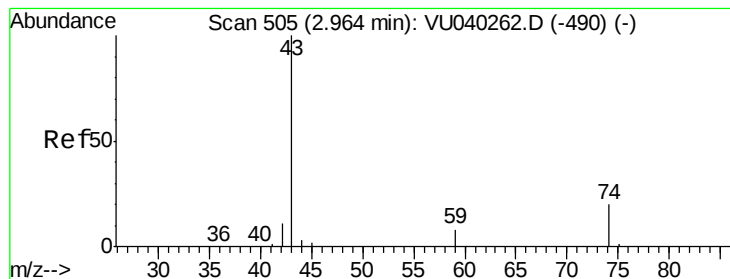
Tot Ion: 43 Resp: 1247866
Ion Ratio Lower Upper
43 100
58 29.0 0.0 58.2



#14
Carbon disulfide
Concen: 224.712 ug/L
RT: 2.80 min Scan# 454
Delta R.T. -0.01 min
Lab File: VU040264.D
Acq: 24 Sep 2020 11:04

Tgt Ion: 76 Resp: 1839607
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.2





#15

Methvl Acetate

Concen: 234.184 ug/L

RT: 2.95 min Scan# 502

Delta R.T. -0.01 min

Lab File: VU040264.D

Acq: 24 Sep 2020 11:04

Instrument :

MSVOA_U

ClientSampleId :

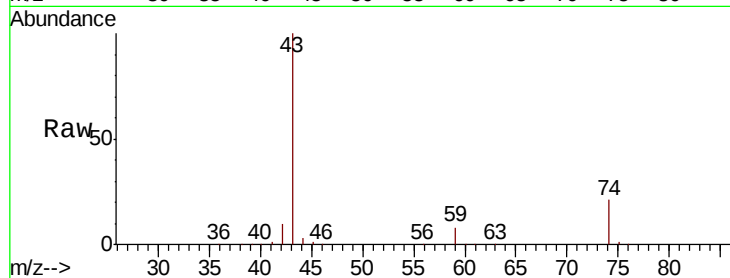
VSTD200205

Tot Ion: 43 Resp: 926074

Ion Ratio Lower Upper

43 100

74 20.6 16.2 24.4



Abundance Ion 43.00 (42.70 to 43.70): VU040264.D (-490) (-)

Ion 74.00 (73.70 to 74.70): VU040264.D (-490) (-)

2.95

600000

500000

400000

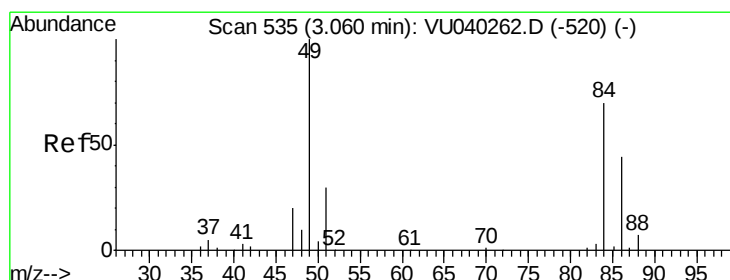
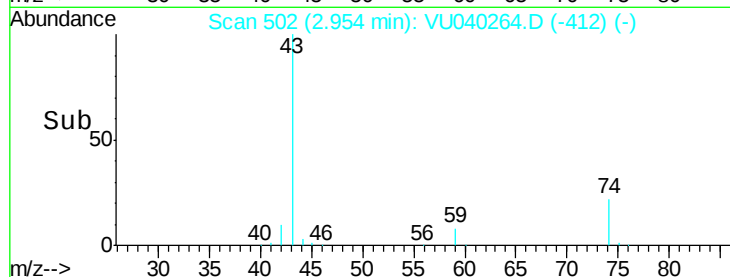
300000

200000

100000

0

Time-->



#16

Methylene chloride

Concen: 200.225 ug/L

RT: 3.06 min Scan# 534

Delta R.T. -0.00 min

Lab File: VU040264.D

Acq: 24 Sep 2020 11:04

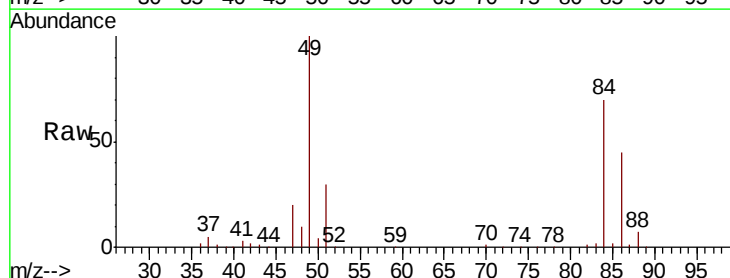
Tgt Ion: 84 Resp: 661659

Ion Ratio Lower Upper

84 100

86 64.5 43.9 81.5

49 143.5 99.7 185.1



Abundance Ion 84.00 (83.70 to 84.70): VU040264.D (-442) (-)

Ion 86.00 (85.70 to 86.70): VU040264.D (-442) (-)

Ion 49.00 (48.70 to 49.70): VU040264.D (-442) (-)

3.06

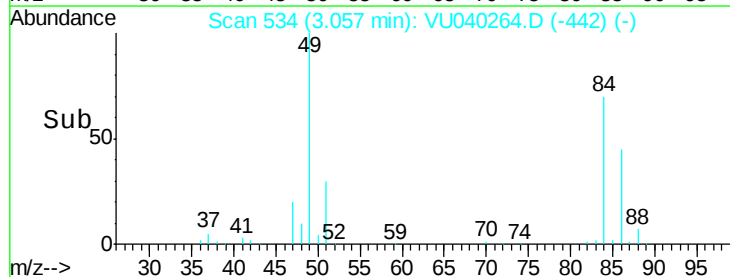
600000

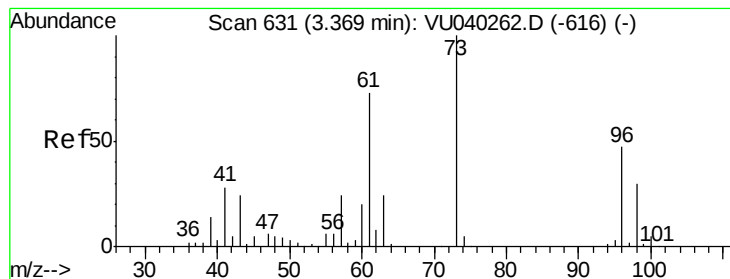
400000

200000

0

Time-->





#17

trans-1,2-Dichloroethene

Concen: 210.737 ug/L

RT: 3.37 min Scan# 630

Delta R.T. -0.00 min

Lab File: VU040264.D

Acq: 24 Sep 2020 11:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD200205

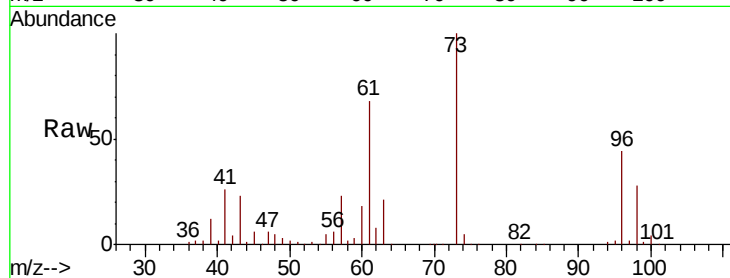
Tot Ion: 96 Resp: 604401

Ion Ratio Lower Upper

96 100

61 153.7 108.1 200.9

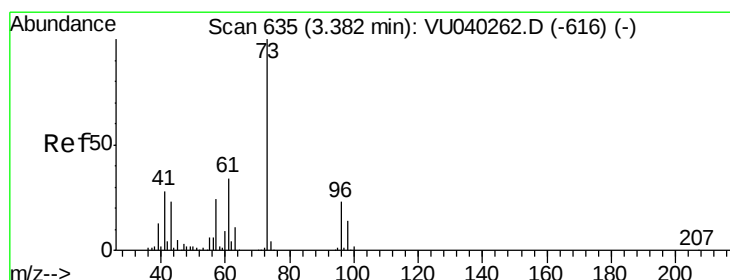
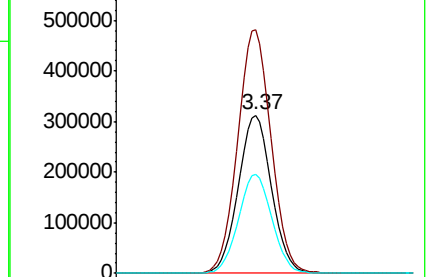
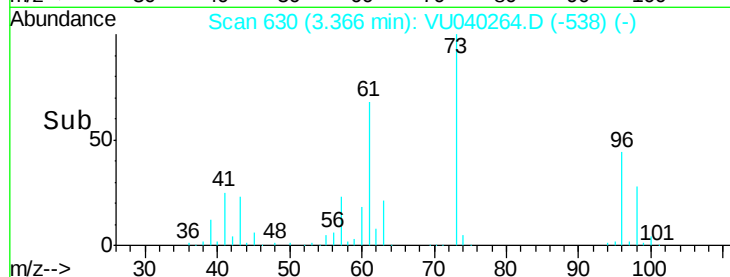
98 62.5 44.2 82.0



Abundance Ion 96.00 (95.70 to 96.70): VU040264.D (-538) (-)

Ion 61.00 (60.70 to 61.70): VU040264.D (-538) (-)

Ion 98.00 (97.70 to 98.70): VU040264.D (-538) (-)



#18

Methyl tert-butyl Ether

Concen: 211.321 ug/L

RT: 3.38 min Scan# 633

Delta R.T. -0.01 min

Lab File: VU040264.D

Acq: 24 Sep 2020 11:04

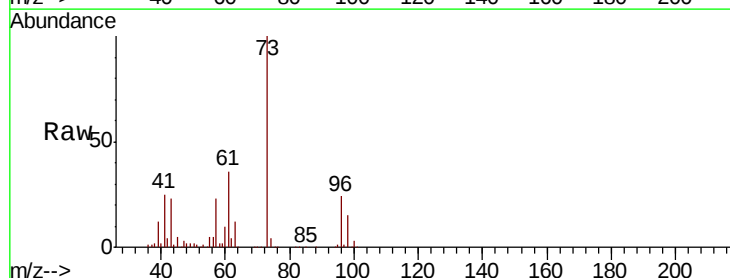
Tgt Ion: 73 Resp: 2083644

Ion Ratio Lower Upper

73 100

43 23.0 18.5 27.7

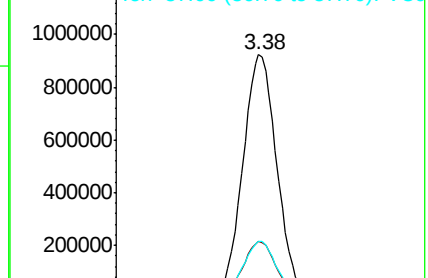
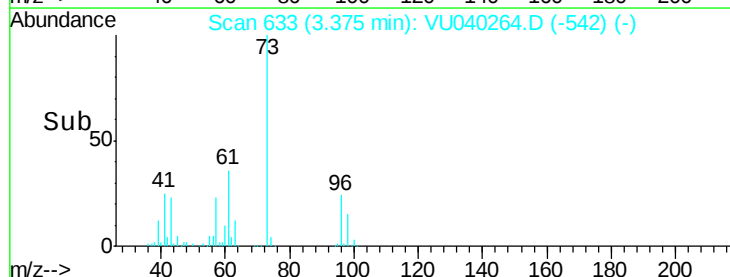
57 23.1 18.8 28.2

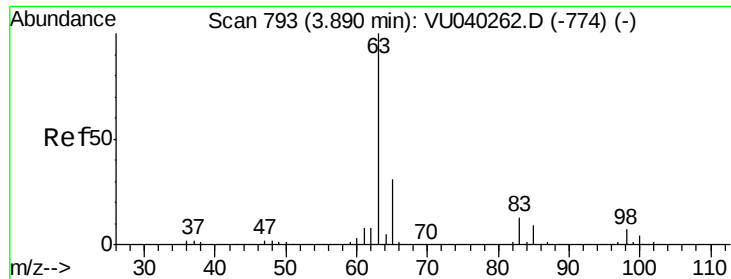


Abundance Ion 73.00 (72.70 to 73.70): VU040264.D (-542) (-)

Ion 43.00 (42.70 to 43.70): VU040264.D (-542) (-)

Ion 57.00 (56.70 to 57.70): VU040264.D (-542) (-)





#19

1,1-Dichloroethane

Concen: 213.670 ug/L

RT: 3.89 min Scan# 792

Delta R.T. -0.00 min

Lab File: VU040264.D

Acq: 24 Sep 2020 11:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD200205

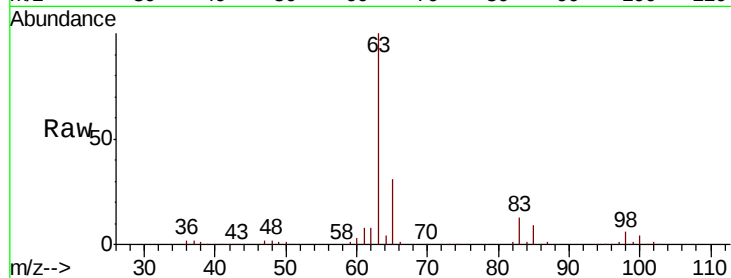
Tot Ion: 63 Resp: 1232777

Ion Ratio Lower Upper

63 100

65 30.8 22.0 40.8

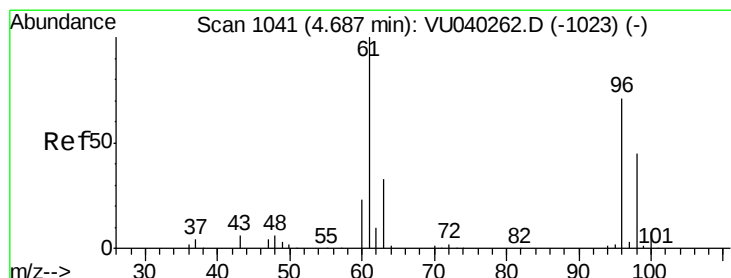
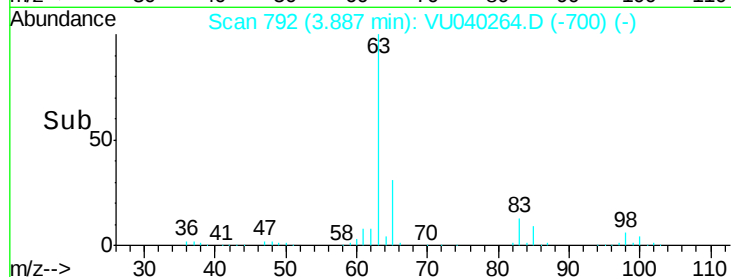
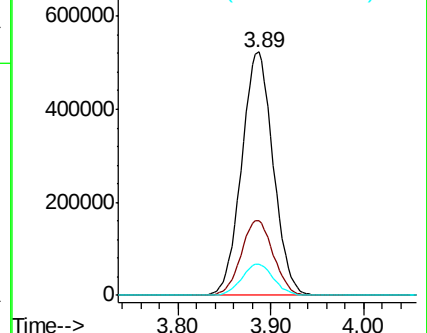
83 12.9 8.9 16.5



Abundance Ion 63.00 (62.70 to 63.70): VU040262.D (-774) (-)

Ion 65.00 (64.70 to 65.70): VU040262.D (-774) (-)

Ion 83.00 (82.70 to 83.70): VU040262.D (-774) (-)



#20

cis-1,2-Dichloroethene

Concen: 207.077 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU040264.D

Acq: 24 Sep 2020 11:04

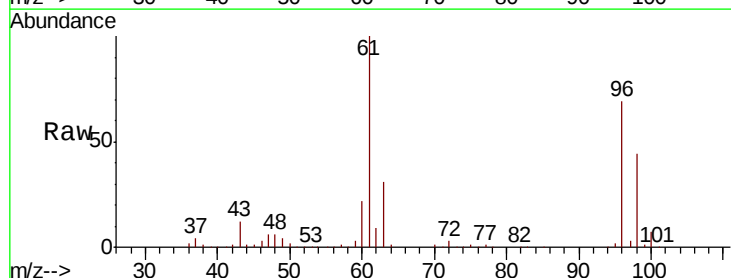
Tgt Ion: 96 Resp: 669516

Ion Ratio Lower Upper

96 100

61 144.3 98.6 183.0

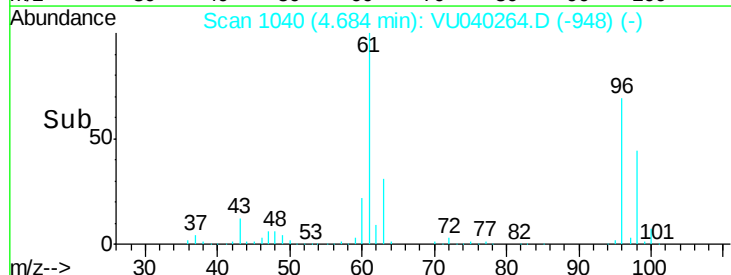
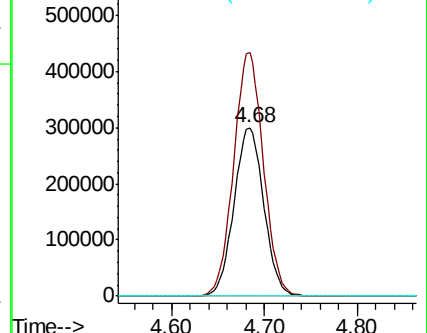
68 0.0 0.0 0.0

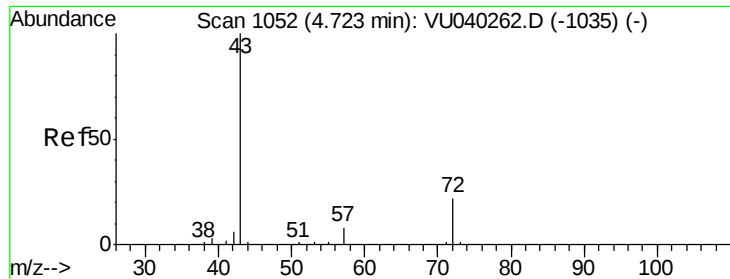


Abundance Ion 96.00 (95.70 to 96.70): VU040262.D (-1023) (-)

Ion 61.00 (60.70 to 61.70): VU040262.D (-1023) (-)

Ion 68.00 (67.70 to 68.70): VU040262.D (-1023) (-)





#22

2-Butanone

Concen: 471.502 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VU040264.D

Acq: 24 Sep 2020 11:04

Instrument :

MSVOA_U

ClientSampleId :

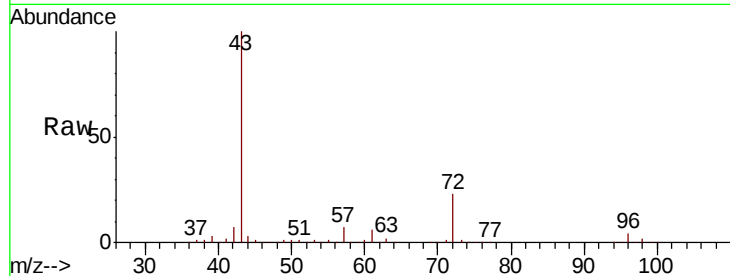
VSTD200205

Tot Ion: 43 Resp: 1543214

Ion Ratio Lower Upper

43 100

72 23.1 11.5 34.4



Abundance Ion 43.00 (42.70 to 43.70): VU040264.D (-959) (-)

Ion 72.00 (71.70 to 72.70): VU040264.D (-959) (-)

4.72

800000

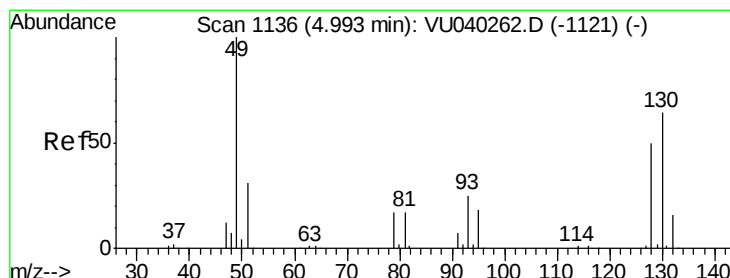
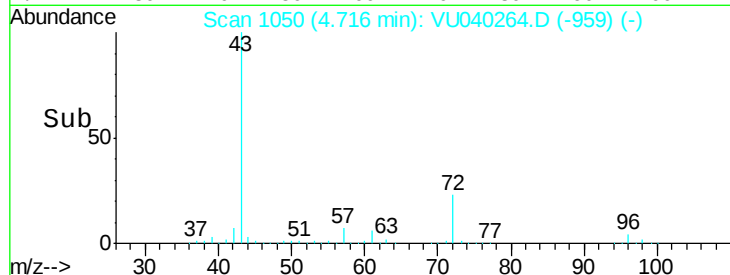
600000

400000

200000

0

Time-->



#23

Bromochloromethane

Concen: 215.790 ug/L

RT: 4.99 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VU040264.D

Acq: 24 Sep 2020 11:04

Tgt Ion: 128 Resp: 334455

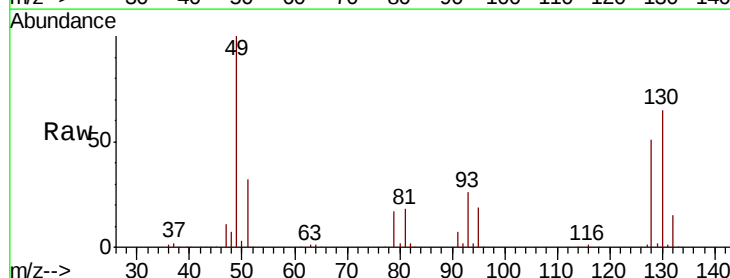
Ion Ratio Lower Upper

128 100

49 196.4 140.8 261.4

130 127.9 89.2 165.6

51 62.5 50.2 75.4



Abundance Ion 128.00 (127.70 to 128.70): VU040264.D (-1043) (-)

Ion 49.00 (48.70 to 49.70): VU040264.D (-1043) (-)

Ion 130.00 (129.70 to 130.70): VU040264.D (-1043) (-)

Ion 51.00 (50.70 to 51.70): VU040264.D (-1043) (-)

4.99

400000

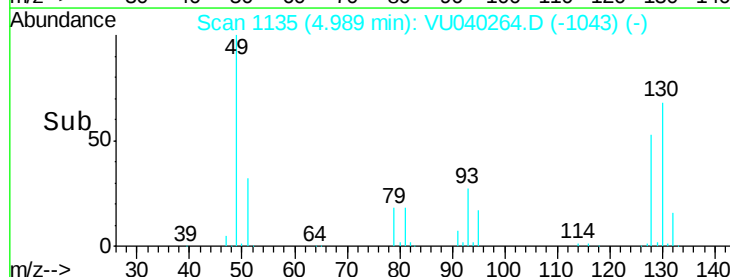
300000

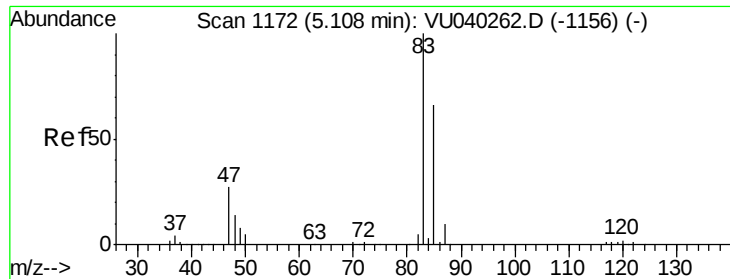
200000

100000

0

Time-->

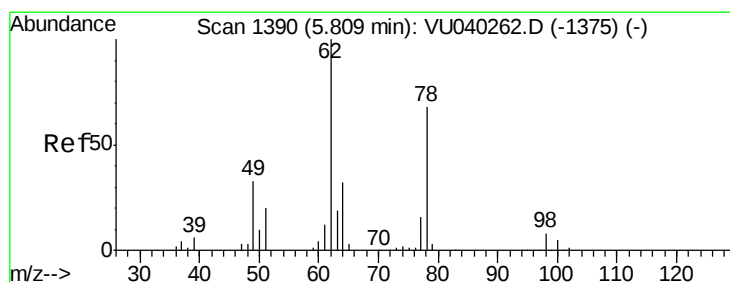
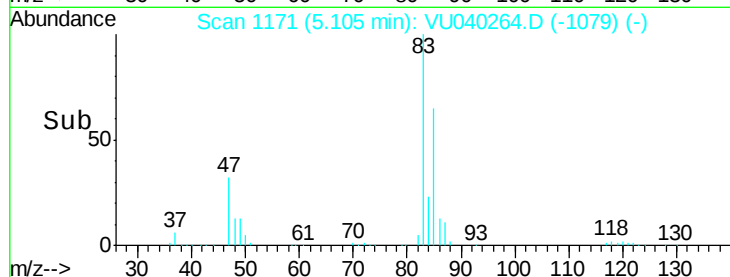
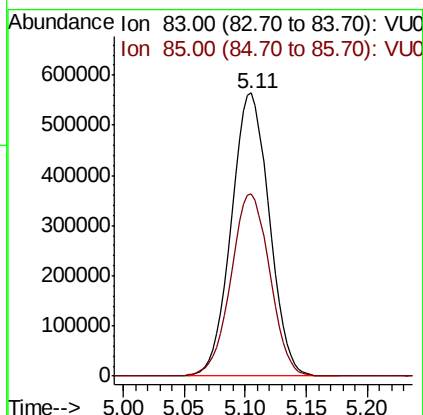
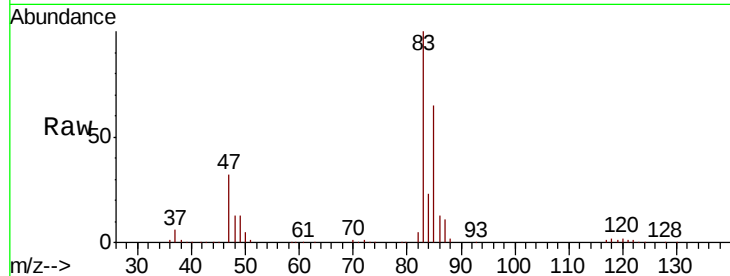




#25
Chloroform
Concen: 215.848 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU040264.D
Acq: 24 Sep 2020 11:04

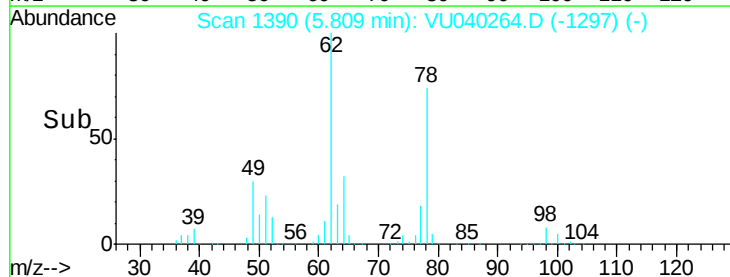
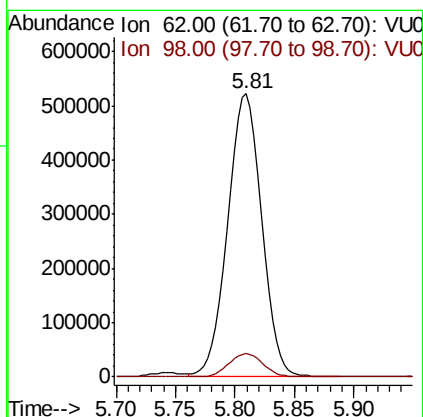
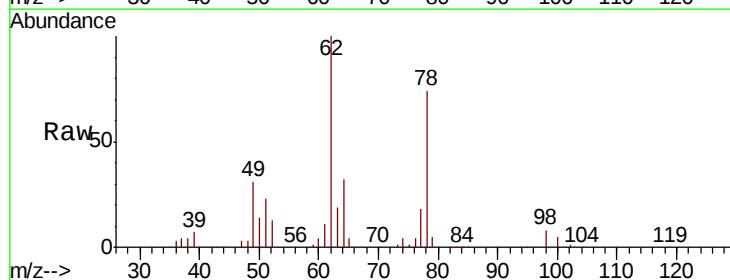
Instrument :
MSVOA_U
ClientSampleId :
VSTD200205

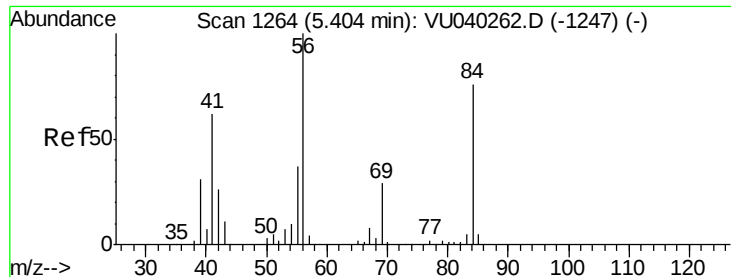
Tot Ion: 83 Resp: 1217518
Ion Ratio Lower Upper
83 100
85 64.6 46.4 86.2



#27
1,2-Dichloroethane
Concen: 218.294 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU040264.D
Acq: 24 Sep 2020 11:04

Tgt Ion: 62 Resp: 1032963
Ion Ratio Lower Upper
62 100
98 8.1 6.5 9.7

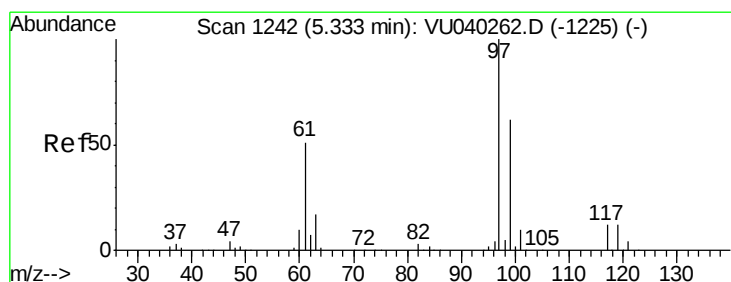
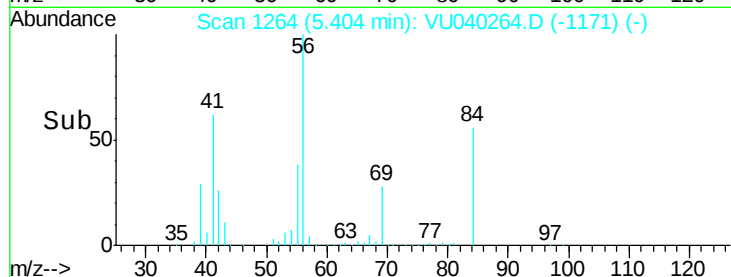
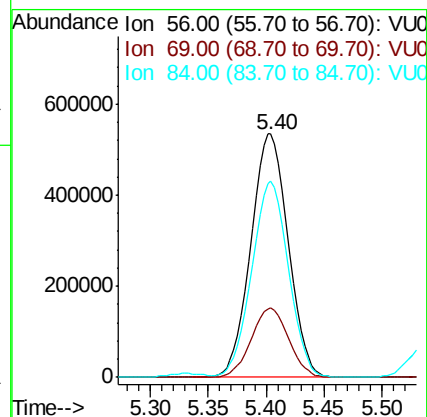
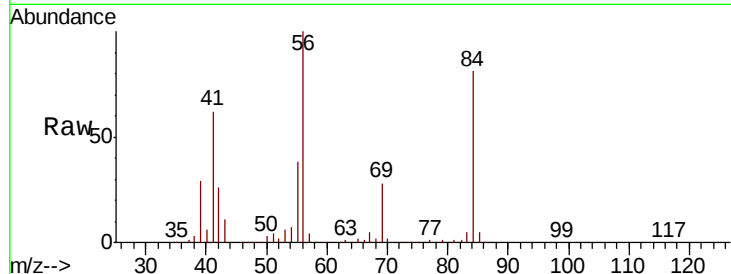




#29
Cyclohexane
Concen: 212.834 ug/L
RT: 5.40 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VU040264.D
Acq: 24 Sep 2020 11:04

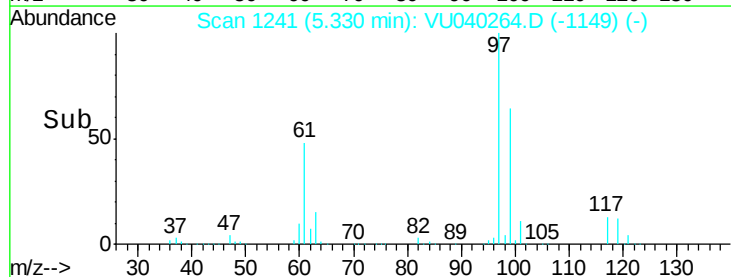
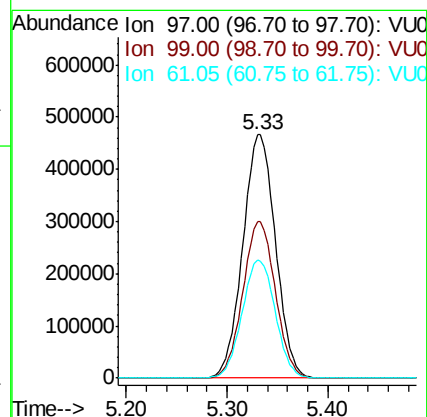
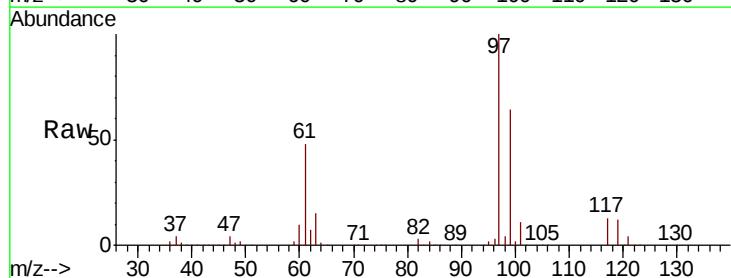
Instrument :
MSVOA_U
ClientSampleId :
VSTD200205

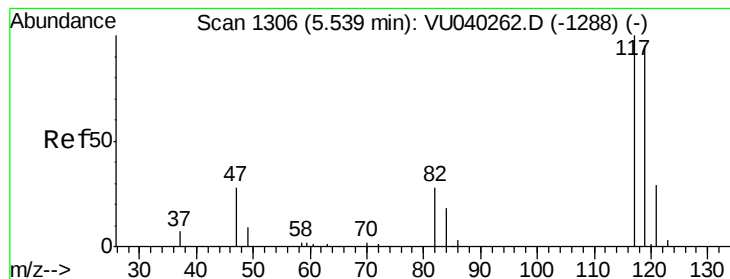
Tot Ion: 56 Resp: 1198995
Ion Ratio Lower Upper
56 100
69 28.5 22.6 33.8
84 79.3 61.9 92.9



#30
1,1,1-Trichloroethane
Concen: 219.563 ug/L
RT: 5.33 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VU040264.D
Acq: 24 Sep 2020 11:04

Tgt Ion: 97 Resp: 1046577
Ion Ratio Lower Upper
97 100
99 64.1 50.8 76.2
61 49.1 40.2 60.4





#31

Carbon tetrachloride

Concen: 233.686 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU040264.D

Acq: 24 Sep 2020 11:04

Instrument :

MSVOA_U

ClientSampleId :

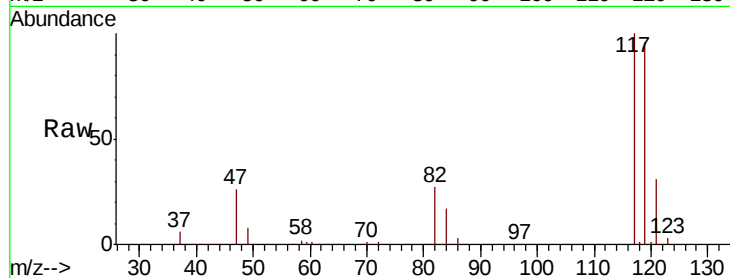
VSTD200205

Tot Ion:117 Resp: 913277

Ion Ratio Lower Upper

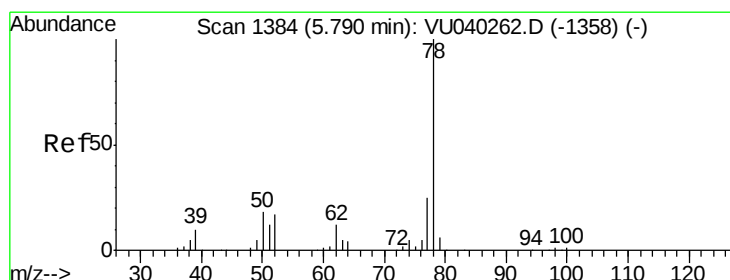
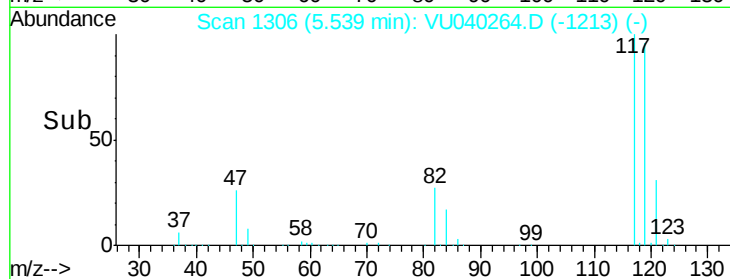
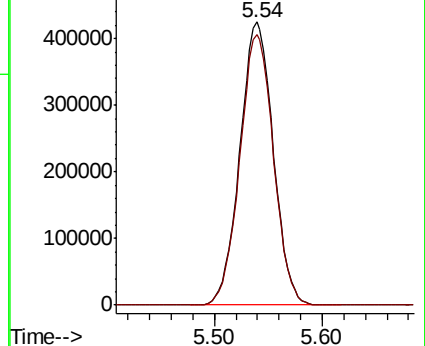
117 100

119 96.3 77.4 116.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 198.886 ug/L

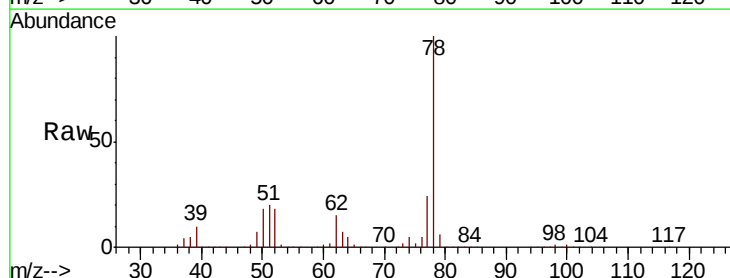
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

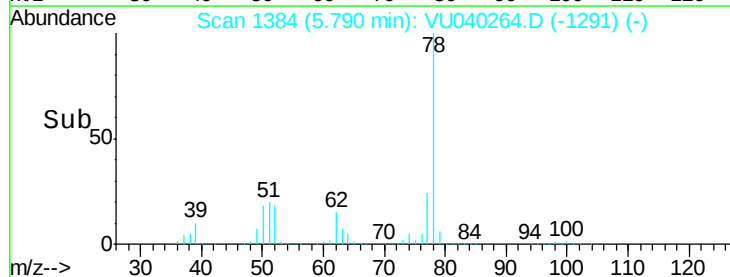
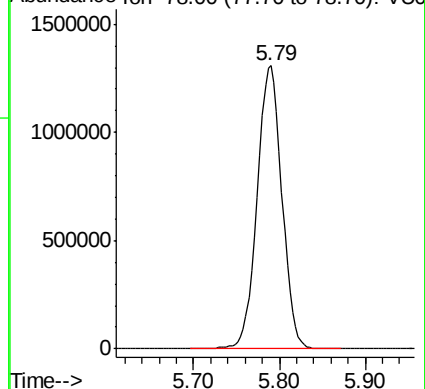
Lab File: VU040264.D

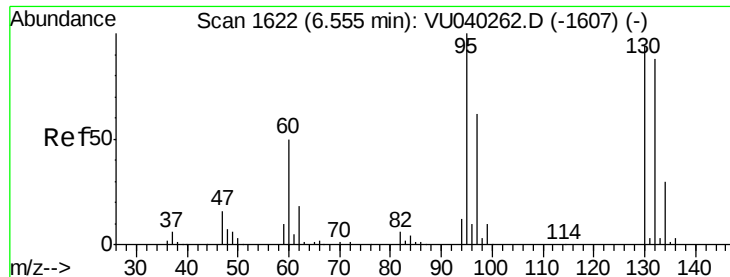
Acq: 24 Sep 2020 11:04

Tgt Ion: 78 Resp: 2625580



Abundance Ion 78.00 (77.70 to 78.70): VU0

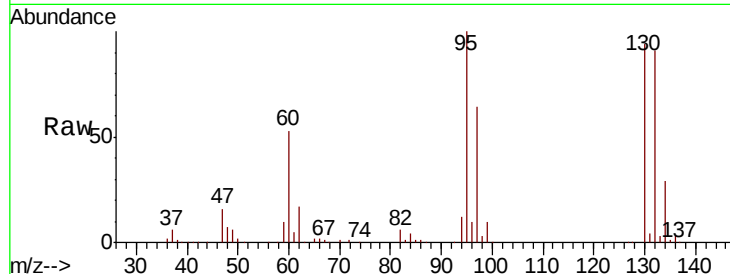




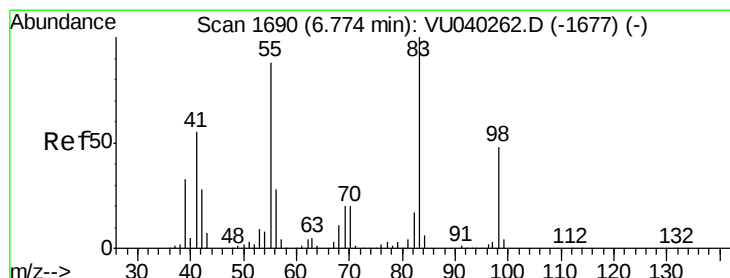
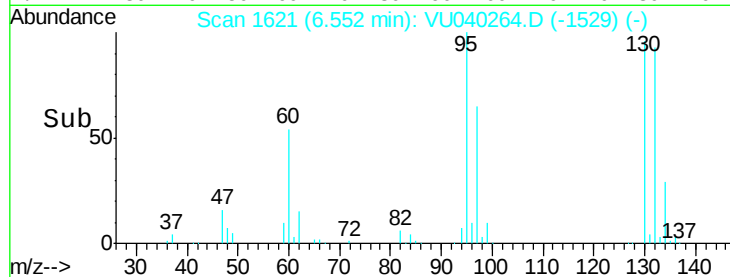
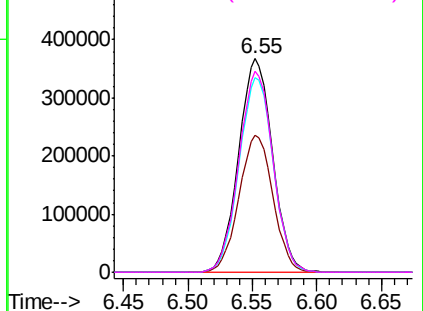
#34
 Trichloroethene
 Concen: 205.273 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU040264.D
 Acq: 24 Sep 2020 11:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD200205

Tot Ion: 95 Resp: 674682
 Ion Ratio Lower Upper
 95 100
 97 64.2 43.8 81.3
 132 91.3 61.7 114.7
 130 93.9 65.9 122.5

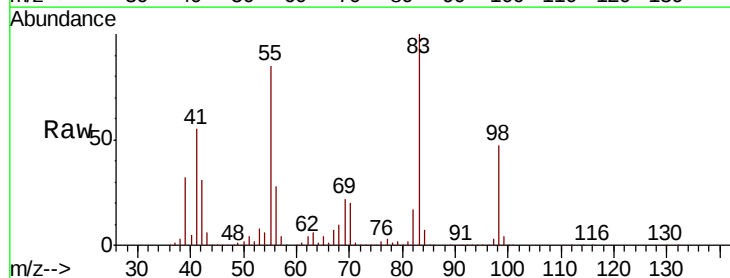


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

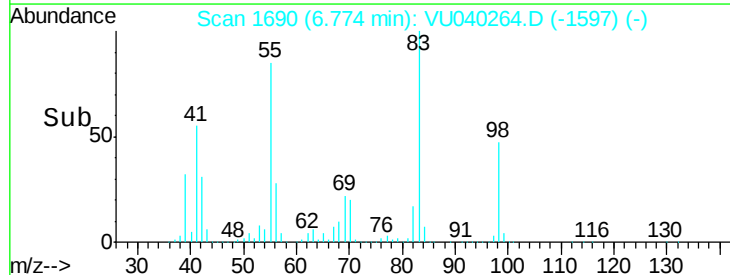
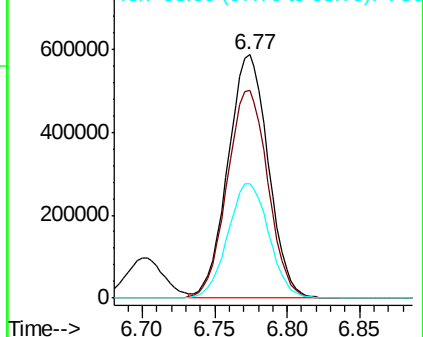


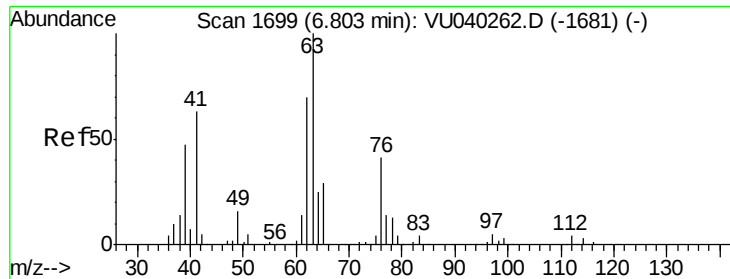
#35
 Methylcyclohexane
 Concen: 200.596 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: VU040264.D
 Acq: 24 Sep 2020 11:04

Tgt Ion: 83 Resp: 1136505
 Ion Ratio Lower Upper
 83 100
 55 86.0 69.4 104.0
 98 47.8 38.7 58.1



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 55.00 (54.70 to 55.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0

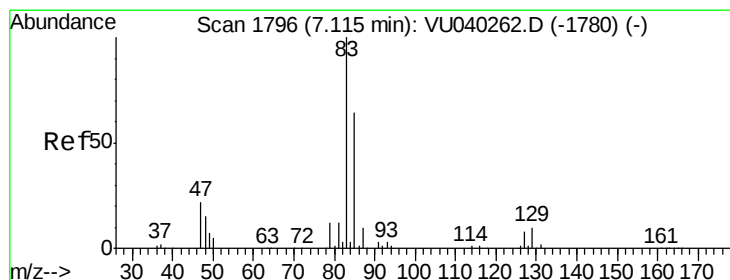
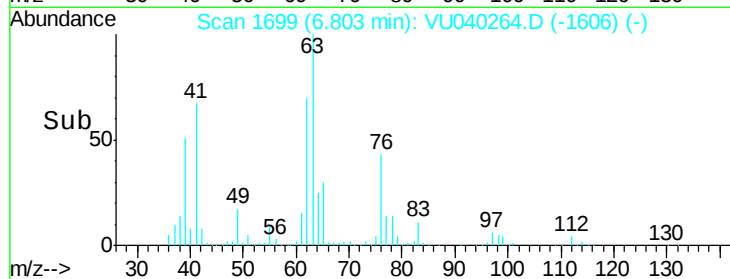
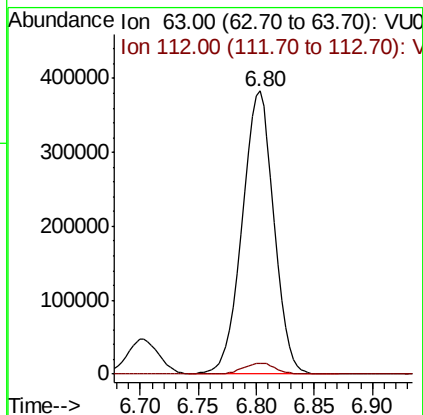
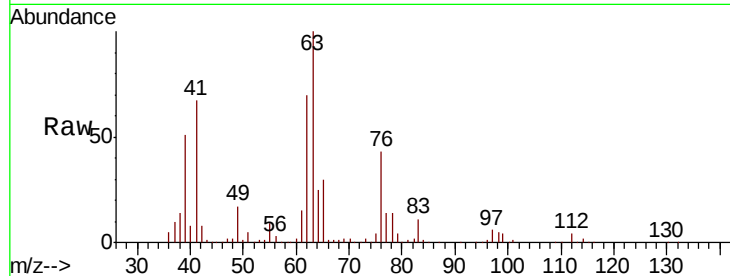




#37
 1,2-Dichloropropane
 Concen: 203.759 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU040264.D
 Acq: 24 Sep 2020 11:04

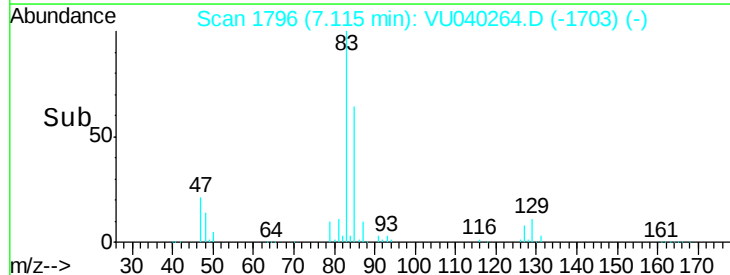
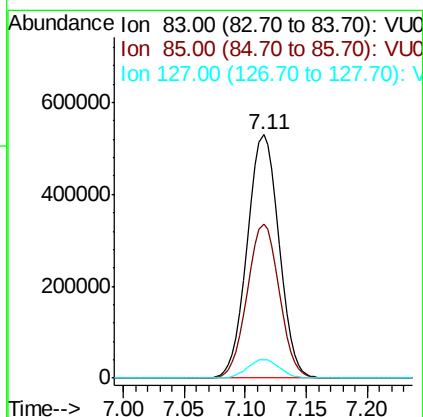
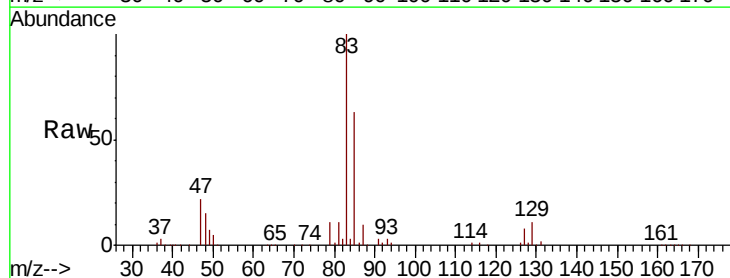
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD200205

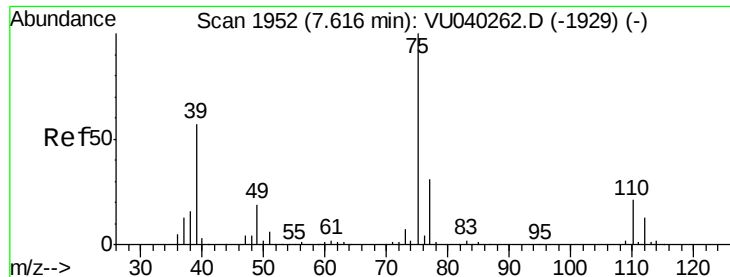
Tot Ion: 63 Resp: 729596
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.1 4.7



#38
 Bromodichloromethane
 Concen: 215.996 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VU040264.D
 Acq: 24 Sep 2020 11:04

Tgt Ion: 83 Resp: 950159
 Ion Ratio Lower Upper
 83 100
 85 63.4 44.9 83.5
 127 7.8 6.4 9.6

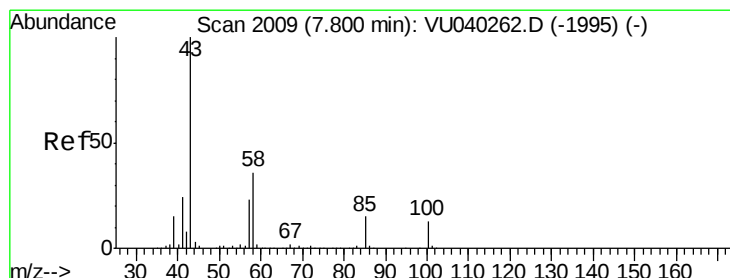
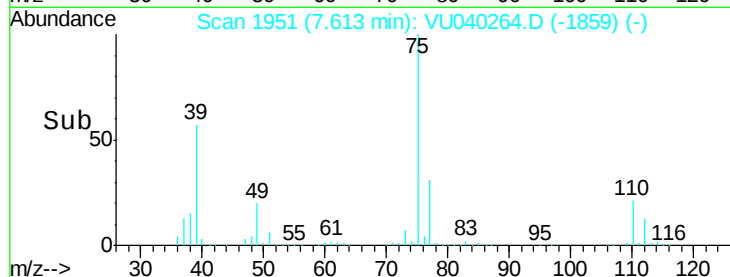
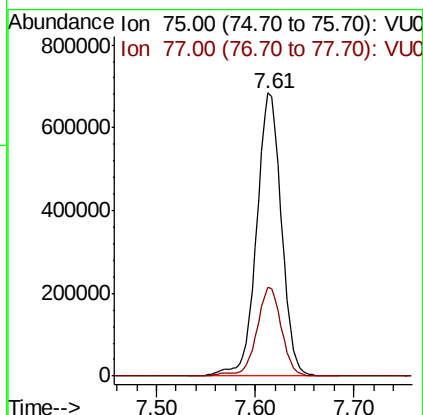
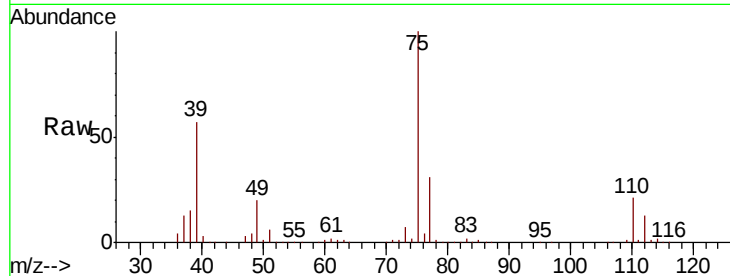




#39
 cis-1,3-Dichloropropene
 Concen: 210.193 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VU040264.D
 Acq: 24 Sep 2020 11:04

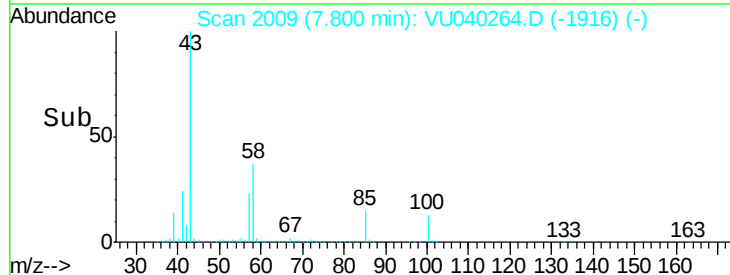
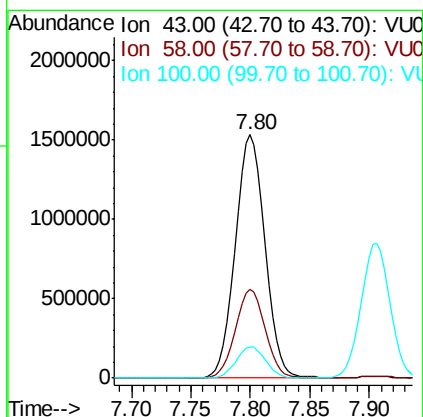
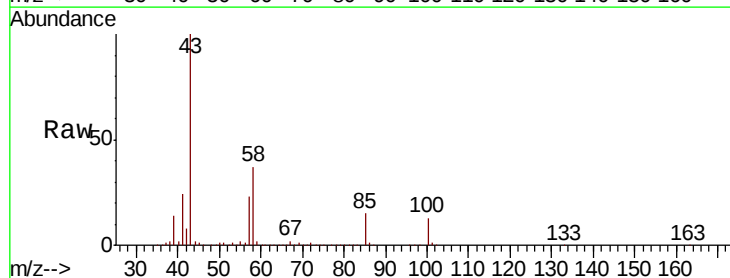
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD200205

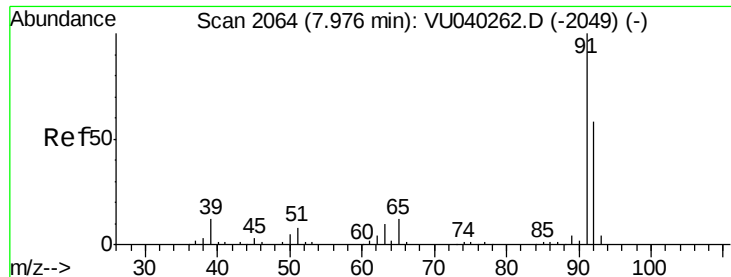
Tot Ion: 75 Resp: 1185283
 Ion Ratio Lower Upper
 75 100
 77 31.3 21.9 40.7



#40
 4-Methyl-2-pentanone
 Concen: 462.730 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU040264.D
 Acq: 24 Sep 2020 11:04

Tgt Ion: 43 Resp: 2652676
 Ion Ratio Lower Upper
 43 100
 58 36.5 28.5 42.7
 100 12.9 10.0 15.0





#42

Toluene

Concen: 193.959 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040264.D

Acq: 24 Sep 2020 11:04

Instrument :

MSVOA_U

ClientSampleId :

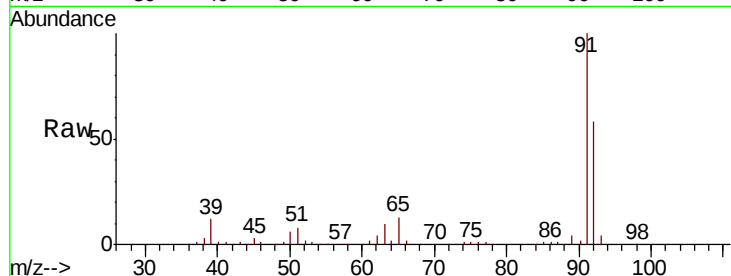
VSTD200205

Tot Ion: 91 Resp: 2747737

Ion Ratio Lower Upper

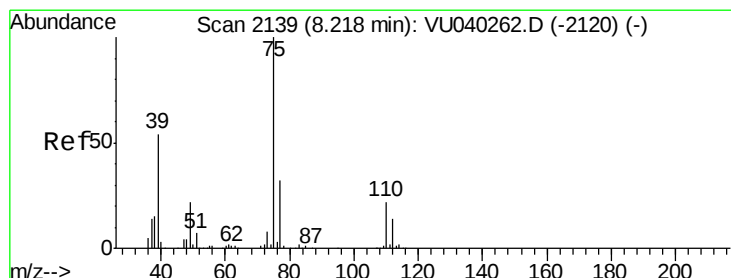
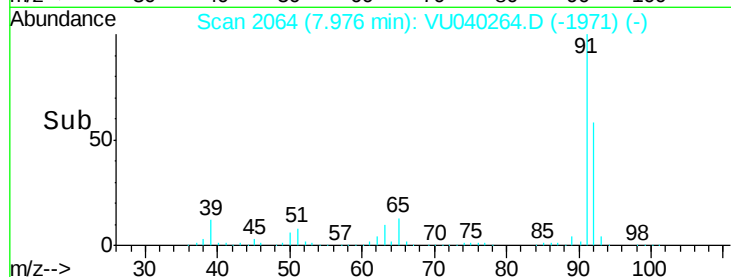
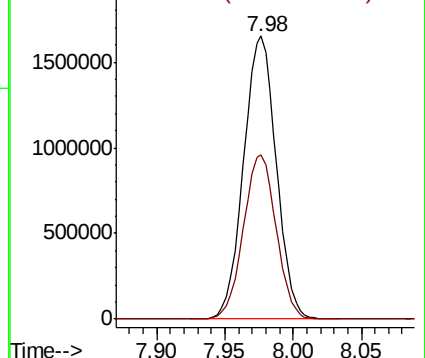
91 100

92 58.3 40.9 75.9



Abundance Ion 91.00 (90.70 to 91.70): VU040264.D (-1971) (-)

Ion 92.00 (91.70 to 92.70): VU040264.D (-1971) (-)



#44

trans-1,3-Dichloropropene

Concen: 233.067 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU040264.D

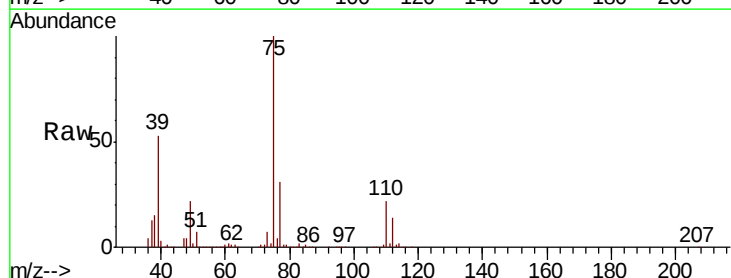
Acq: 24 Sep 2020 11:04

Tgt Ion: 75 Resp: 1178410

Ion Ratio Lower Upper

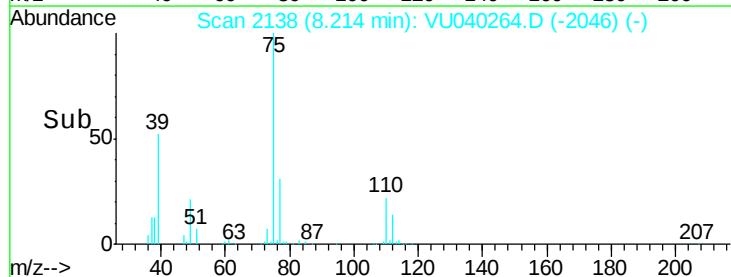
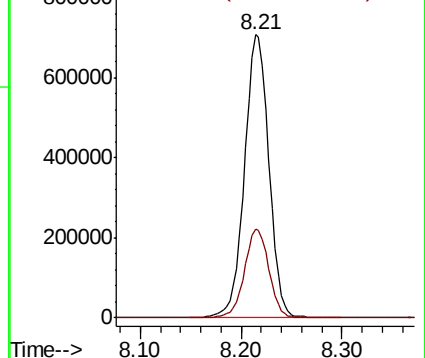
75 100

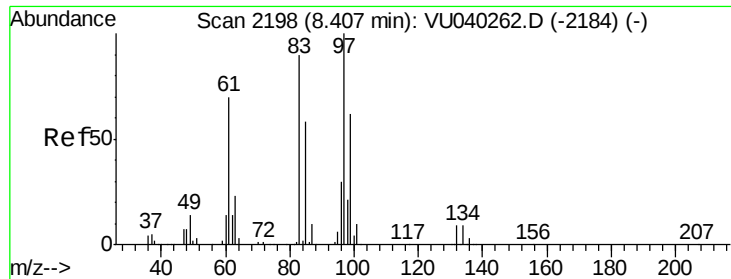
77 31.4 22.5 41.7



Abundance Ion 75.00 (74.70 to 75.70): VU040264.D (-2046) (-)

Ion 77.00 (76.70 to 77.70): VU040264.D (-2046) (-)

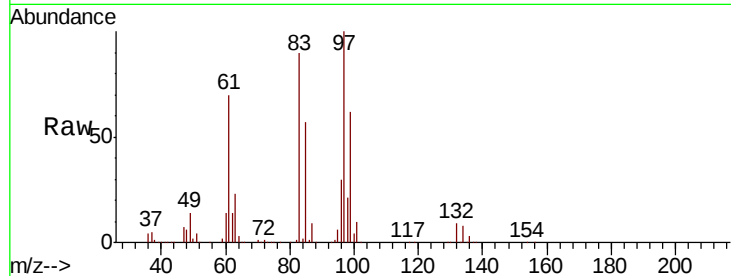




#45
 1,1,2-Trichloroethane
 Concen: 199.101 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VU040264.D
 Acq: 24 Sep 2020 11:04

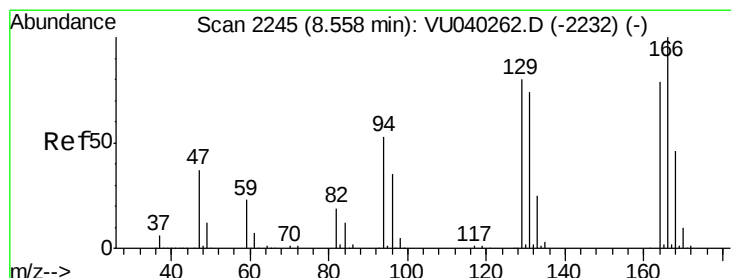
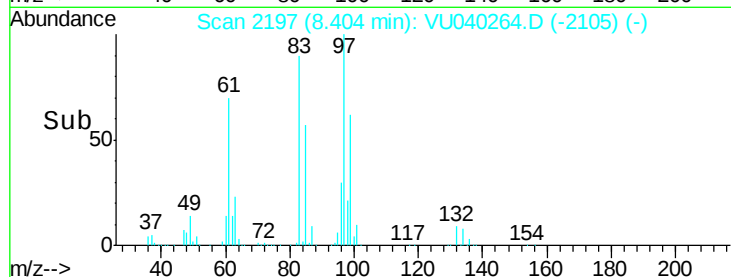
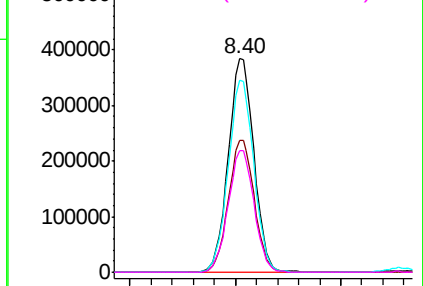
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD200205

Tot Ion:	97	Resp:	643730
Ion	Ratio	Lower	Upper
97	100		
99	61.9	43.3	80.5
83	90.1	62.7	116.5
85	57.2	40.7	75.5



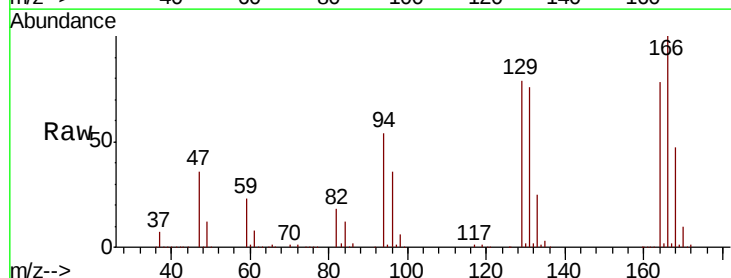
Abundance

Ion 97.00 (96.70 to 97.70): VU040264.D (-2184) (-)



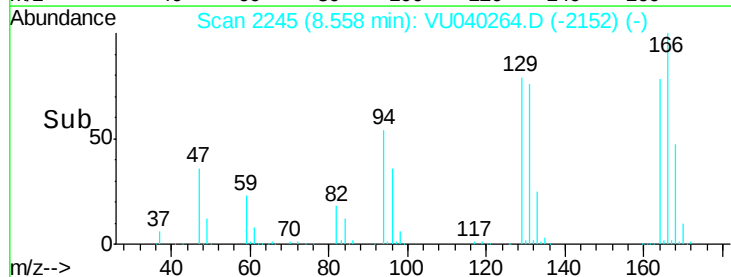
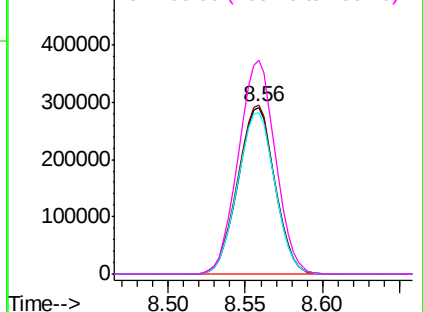
#46
 Tetrachloroethene
 Concen: 209.124 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU040264.D
 Acq: 24 Sep 2020 11:04

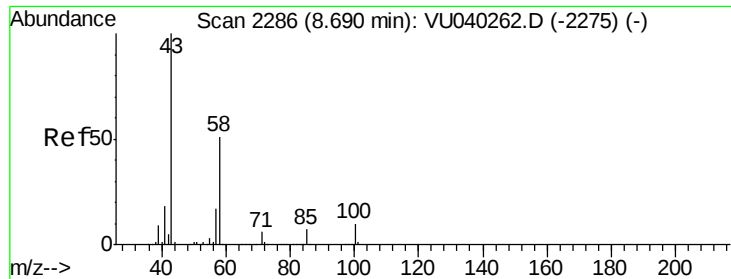
Tgt Ion:	164	Resp:	483644
Ion	Ratio	Lower	Upper
164	100		
129	101.3	70.5	130.9
131	96.8	65.7	121.9
166	128.1	88.5	164.4



Abundance

Ion 164.00 (163.70 to 164.70): VU040264.D (-2232) (-)



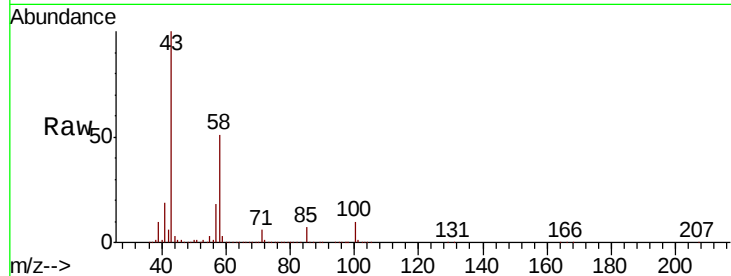


#48
2-Hexanone
Concen: 465.453 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU040264.D
Acq: 24 Sep 2020 11:04

Instrument :
MSVOA_U
ClientSampleId :
VSTD200205

Tot Ion: 43 Resp: 2186068

Ion	Ratio	Lower	Upper
43	100		
58	51.8	40.3	60.5
57	17.9	13.9	20.9
100	10.3	8.2	12.2

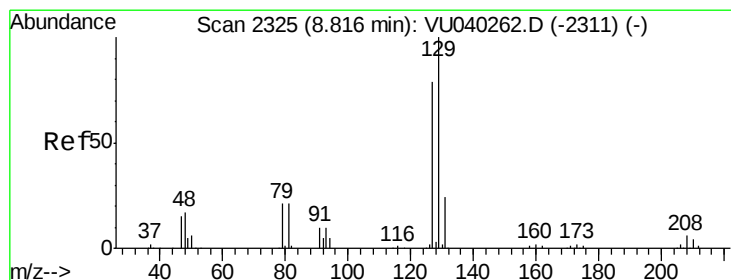
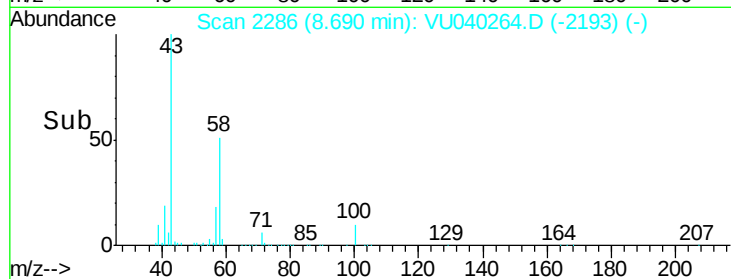
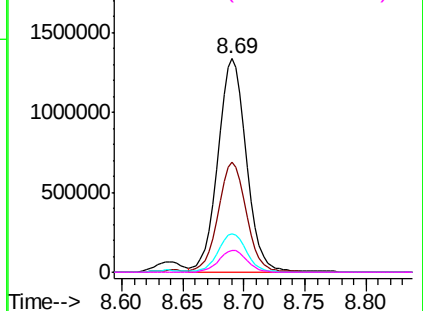


Abundance Ion 43.00 (42.70 to 43.70): VU040264.D (-2193) (-)

Ion 58.00 (57.70 to 58.70): VU040264.D (-2193) (-)

Ion 57.00 (56.70 to 57.70): VU040264.D (-2193) (-)

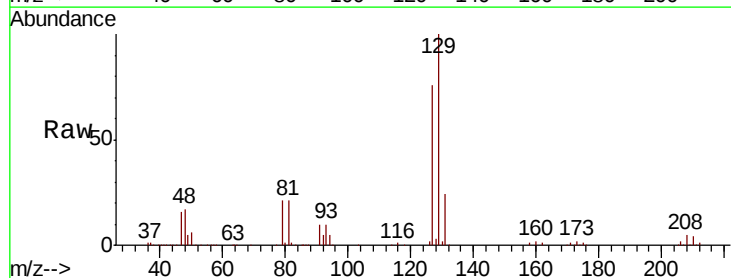
Ion 100.00 (99.70 to 100.70): VU040264.D (-2193) (-)



#49
Dibromochloromethane
Concen: 225.653 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU040264.D
Acq: 24 Sep 2020 11:04

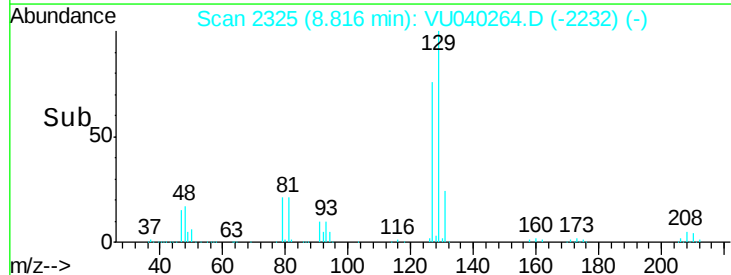
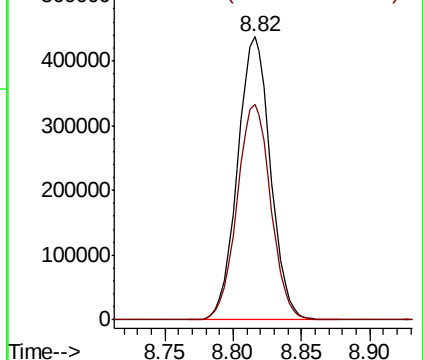
Tgt Ion: 129 Resp: 732156

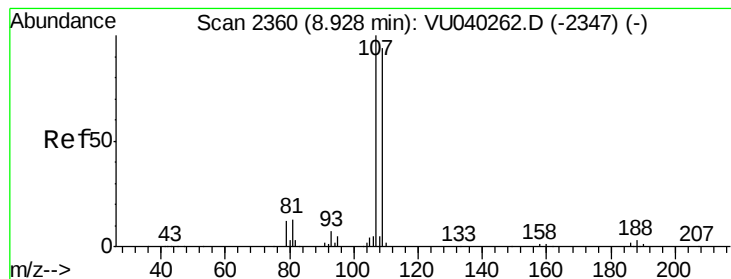
Ion	Ratio	Lower	Upper
129	100		
127	76.3	55.1	102.3



Abundance Ion 129.00 (128.70 to 129.70): VU040264.D (-2232) (-)

Ion 127.00 (126.70 to 127.70): VU040264.D (-2232) (-)





#50

1,2-Dibromoethane

Concen: 206.233 ug/L

RT: 8.93 min Scan# 2360

Delta R.T. 0.00 min

Lab File: VU040264.D

Acq: 24 Sep 2020 11:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD200205

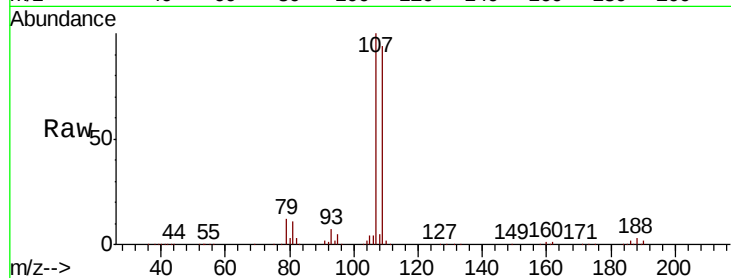
Tot Ion:107 Resp: 703597

Ion Ratio Lower Upper

107 100

109 93.9 65.9 122.3

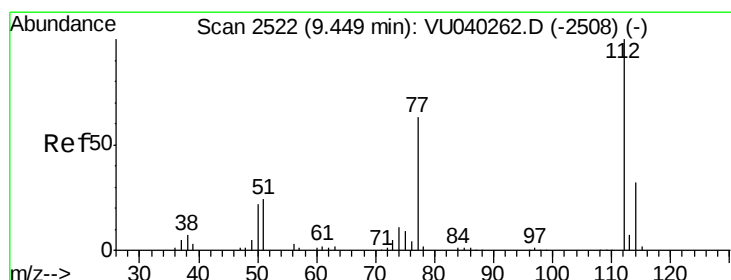
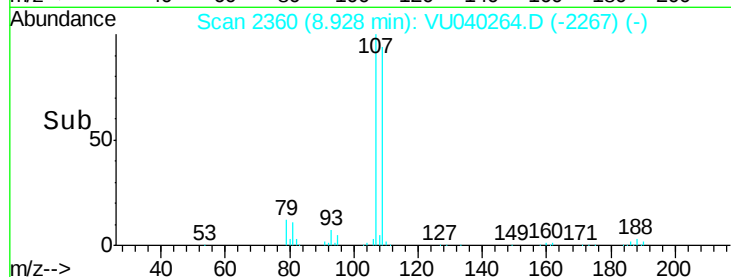
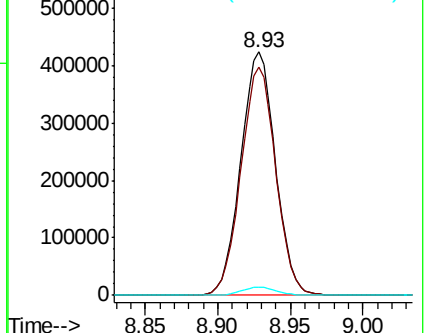
188 3.3 2.6 3.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 205.410 ug/L

RT: 9.45 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VU040264.D

Acq: 24 Sep 2020 11:04

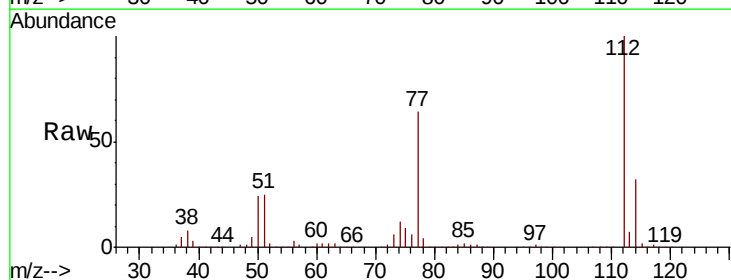
Tgt Ion:112 Resp: 1768276

Ion Ratio Lower Upper

112 100

114 31.6 22.7 42.3

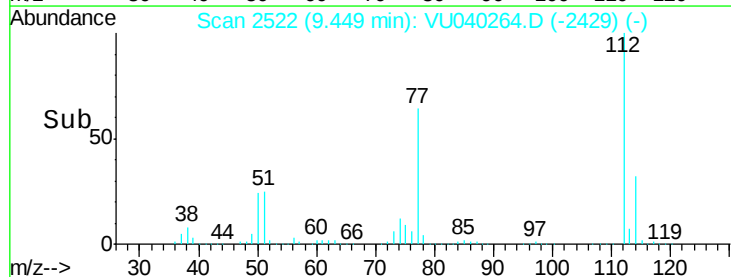
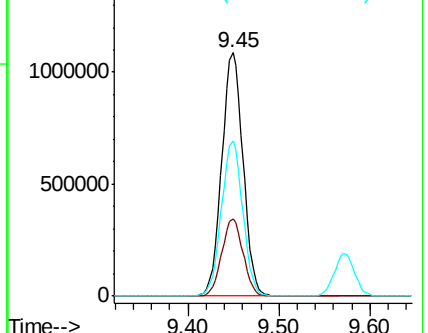
77 63.8 50.7 76.1

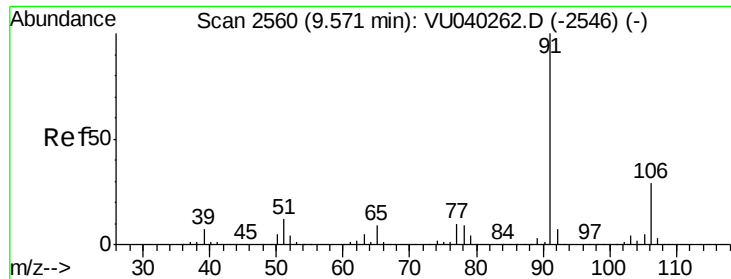


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0





#52

Ethylbenzene

Concen: 205.345 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU040264.D

Acq: 24 Sep 2020 11:04

Instrument :

MSVOA_U

ClientSampleId :

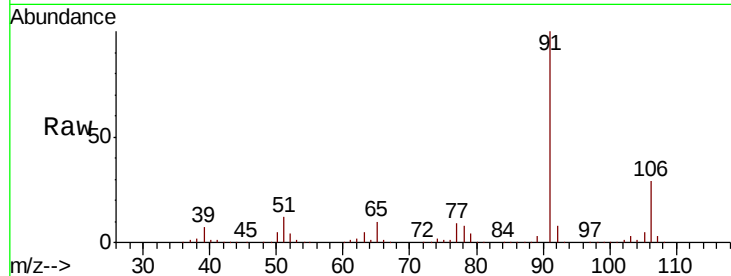
VSTD200205

Tot Ion: 91 Resp: 3198629

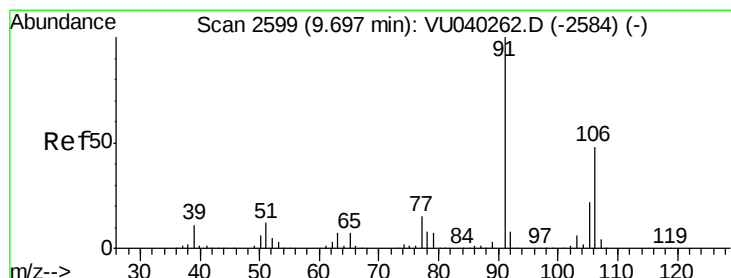
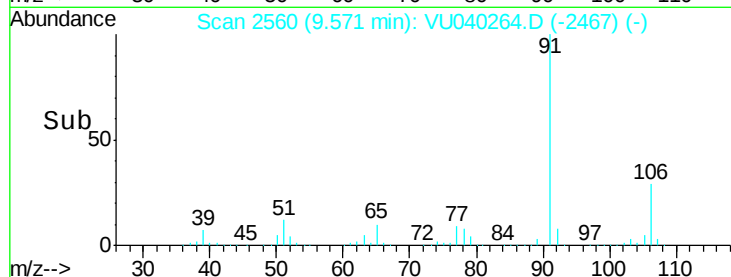
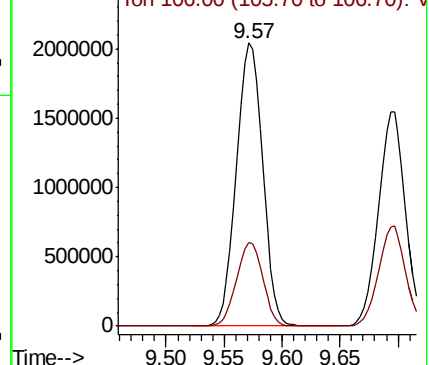
Ion Ratio Lower Upper

91 100

106 29.5 20.6 38.2



Abundance Ion 91.00 (90.70 to 91.70): VU040264.D (-2546) (-)



#53

m,p-Xylene

Concen: 203.899 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU040264.D

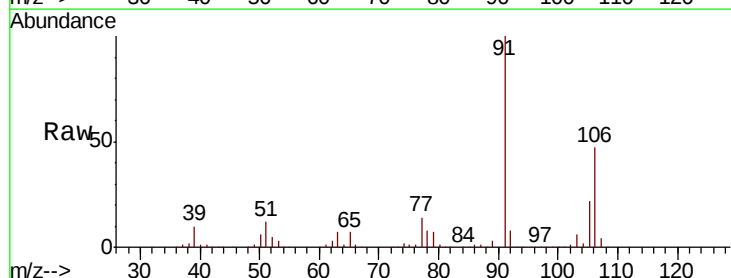
Acq: 24 Sep 2020 11:04

Tgt Ion: 106 Resp: 1169764

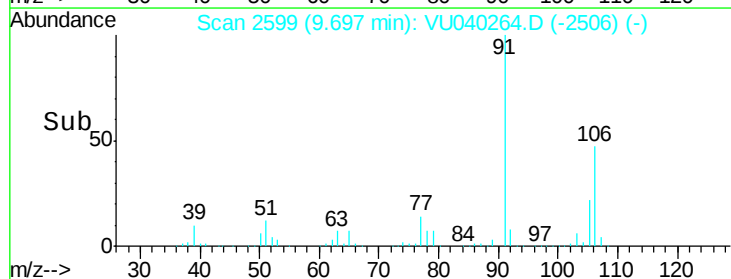
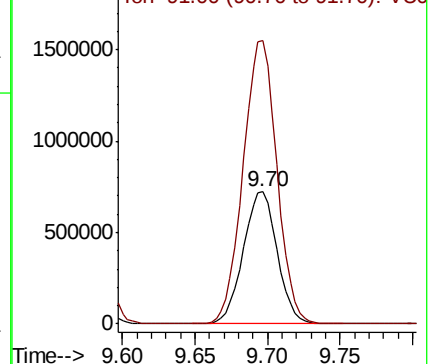
Ion Ratio Lower Upper

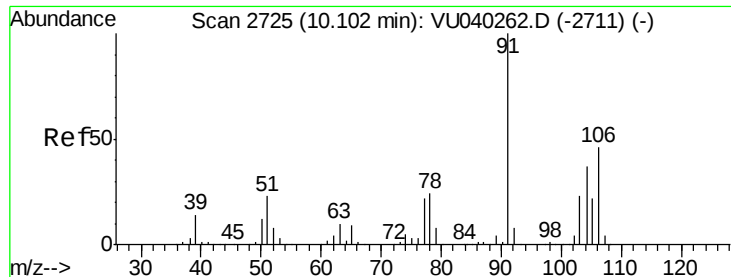
106 100

91 214.4 147.1 273.3



Abundance Ion 106.00 (105.70 to 106.70): VU040264.D (-2584) (-)





#54

o-xylene

Concen: 200.165 ug/L

RT: 10.10 min Scan# 2725

Delta R.T. 0.00 min

Lab File: VU040264.D

Acq: 24 Sep 2020 11:04

Instrument :

MSVOA_U

ClientSampleId :

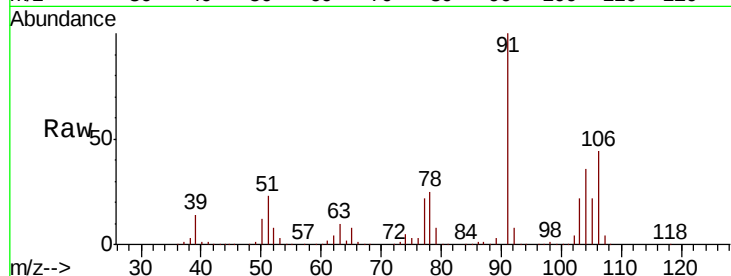
VSTD200205

Tot Ion:106 Resp: 1138131

Ion Ratio Lower Upper

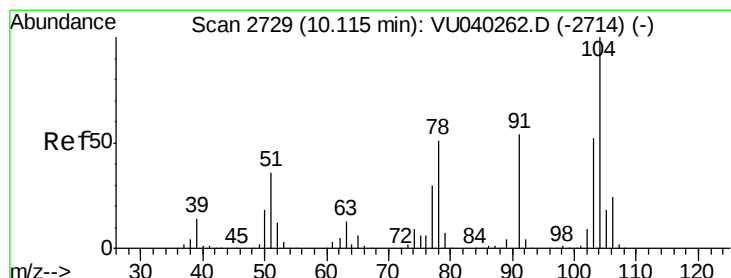
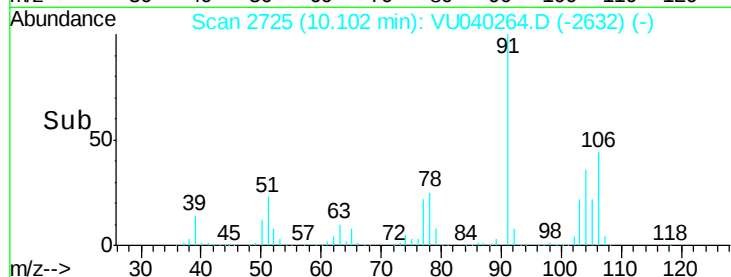
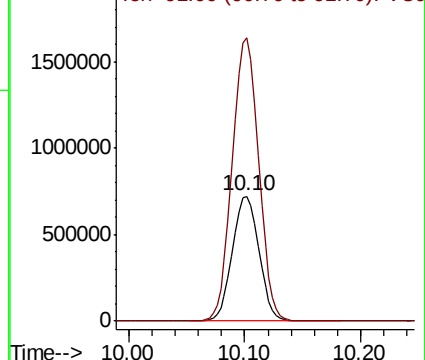
106 100

91 227.0 152.8 283.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 209.009 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. 0.00 min

Lab File: VU040264.D

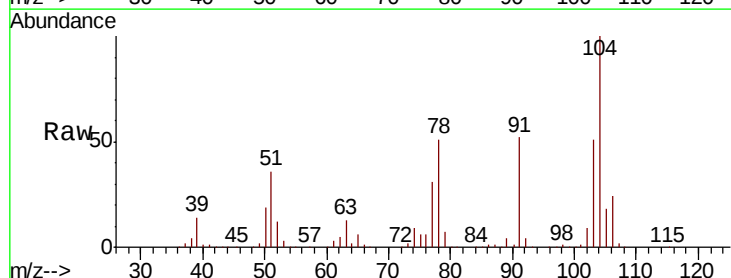
Acq: 24 Sep 2020 11:04

Tgt Ion:104 Resp: 1992783

Ion Ratio Lower Upper

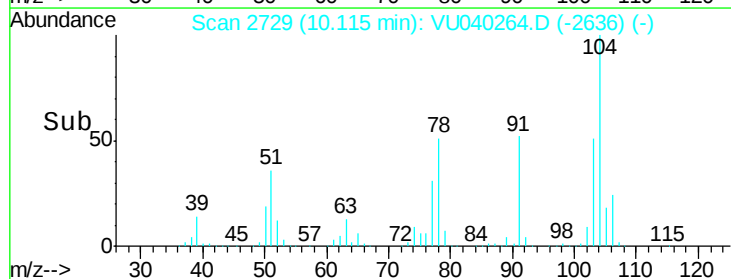
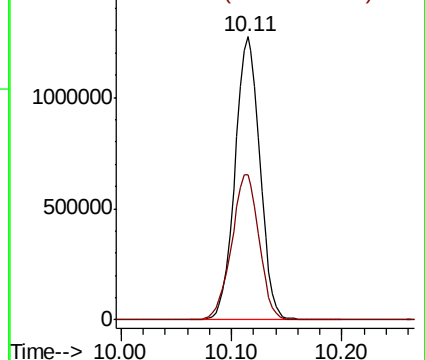
104 100

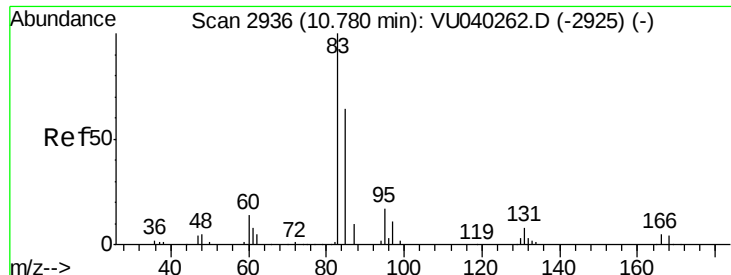
78 51.5 35.8 66.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

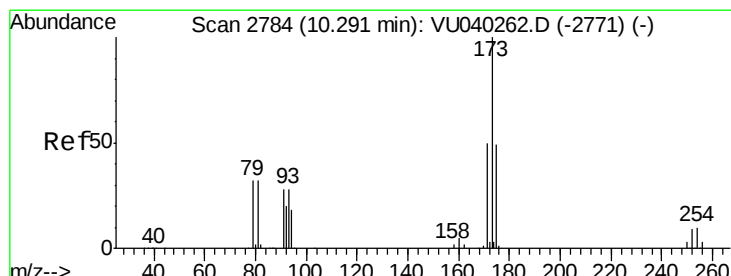
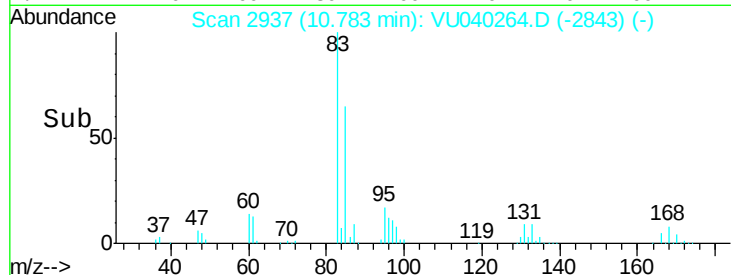
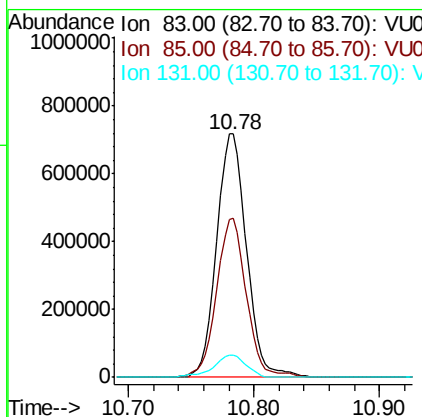
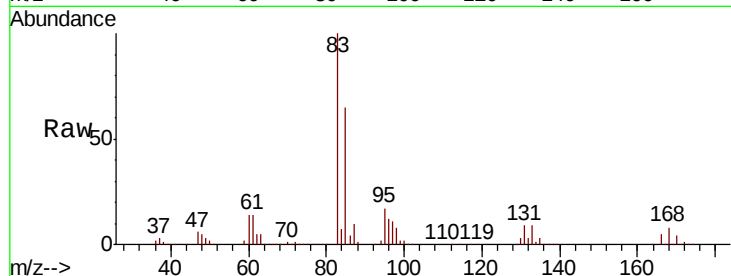




#57
 1,1,2,2-Tetrachloroethane
 Concen: 205.254 ug/L
 RT: 10.78 min Scan# 2937
 Delta R.T. 0.00 min
 Lab File: VU040264.D
 Acq: 24 Sep 2020 11:04

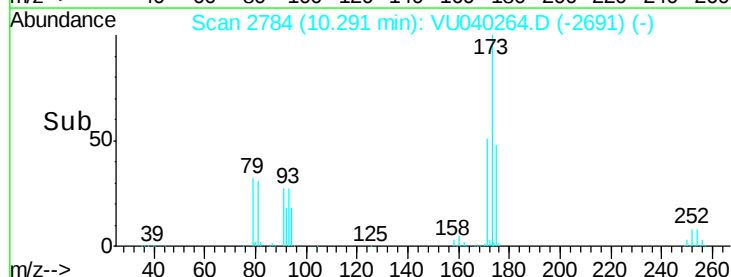
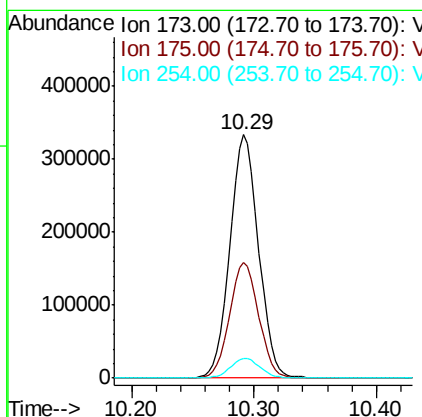
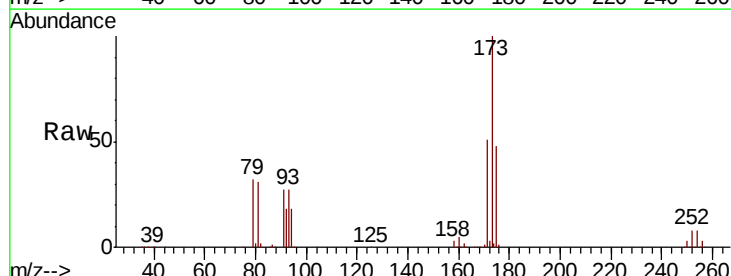
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD200205

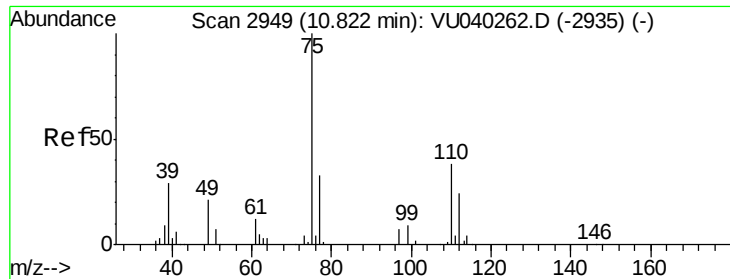
Tot Ion: 83 Resp: 1185216
 Ion Ratio Lower Upper
 83 100
 85 65.2 45.6 84.6
 131 9.3 7.4 11.0



#59
 Bromoform
 Concen: 215.773 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: VU040264.D
 Acq: 24 Sep 2020 11:04

Tgt Ion: 173 Resp: 544983
 Ion Ratio Lower Upper
 173 100
 175 48.1 38.6 58.0
 254 8.5 7.0 10.4





#60

1,2,3-Trichloropropane

Concen: 188.837 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU040264.D

Acq: 24 Sep 2020 11:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD200205

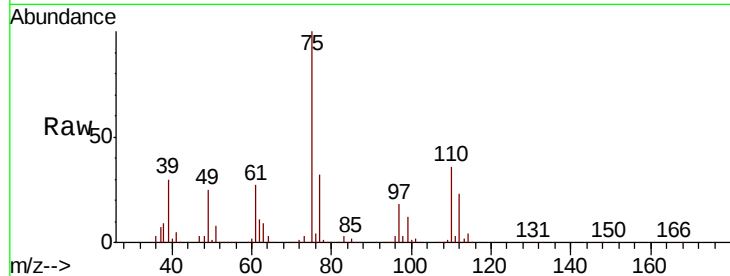
Tot Ion: 75 Resp: 997160

Ion Ratio Lower Upper

75 100

77 31.9 26.0 39.0

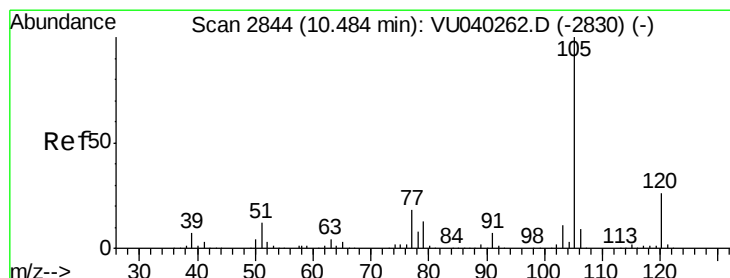
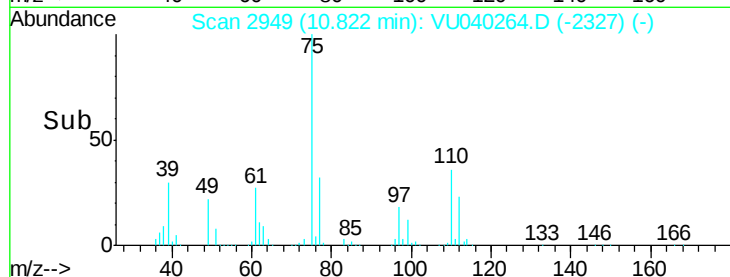
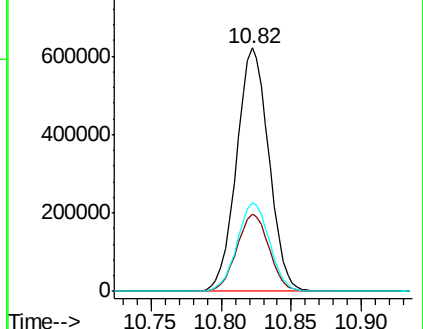
110 36.6 29.8 44.8



Abundance Ion 75.00 (74.70 to 75.70): VU040264.D (-2935) (-)

Ion 77.00 (76.70 to 77.70): VU040264.D (-2935) (-)

Ion 110.00 (109.70 to 110.70): VU040264.D (-2935) (-)



#61

Isopropylbenzene

Concen: 187.035 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU040264.D

Acq: 24 Sep 2020 11:04

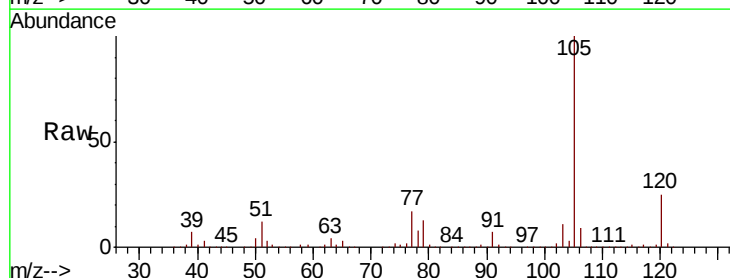
Tgt Ion: 105 Resp: 3103373

Ion Ratio Lower Upper

105 100

120 25.3 20.6 30.8

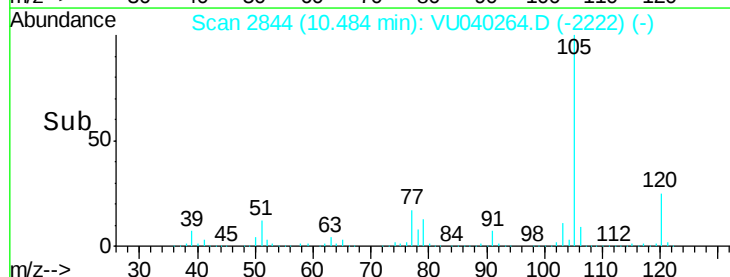
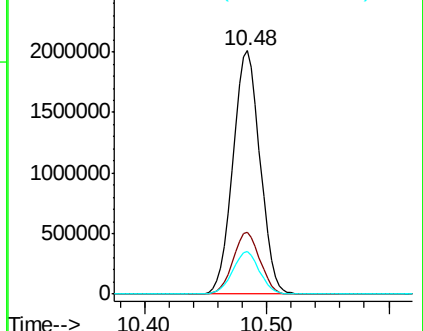
77 17.3 13.8 20.6

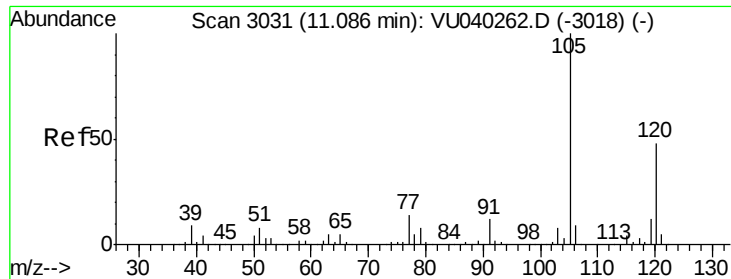


Abundance Ion 105.00 (104.70 to 105.70): VU040264.D (-2830) (-)

Ion 120.00 (119.70 to 120.70): VU040264.D (-2830) (-)

Ion 77.00 (76.70 to 77.70): VU040264.D (-2830) (-)





#62

1,3,5-Trimethylbenzene

Concen: 194.150 ug/L

RT: 11.09 min Scan# 3031

Delta R.T. 0.00 min

Lab File: VU040264.D

Acq: 24 Sep 2020 11:04

Instrument :

MSVOA_U

ClientSampleId :

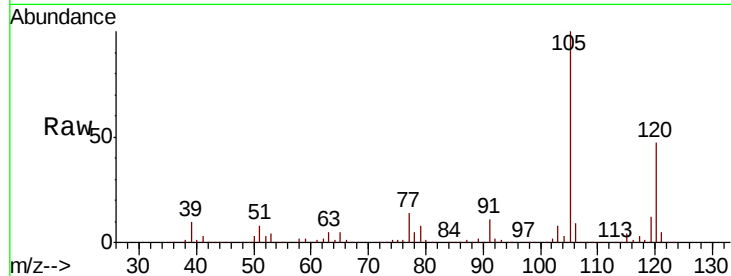
VSTD200205

Tot Ion:105 Resp: 2744283

Ion Ratio Lower Upper

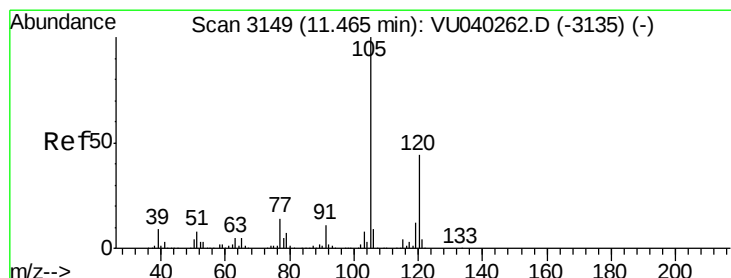
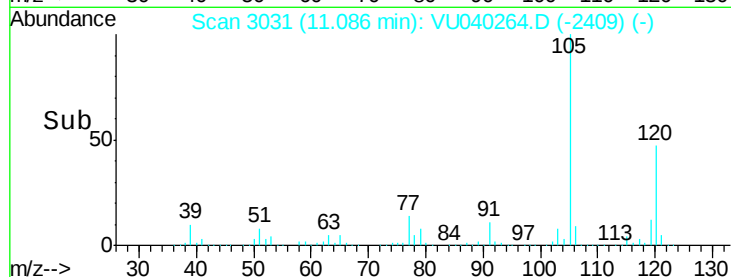
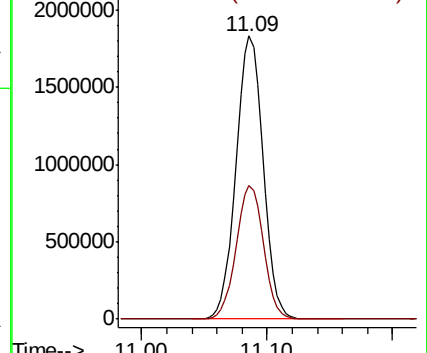
105 100

120 47.5 38.7 58.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 196.157 ug/L

RT: 11.47 min Scan# 3149

Delta R.T. 0.00 min

Lab File: VU040264.D

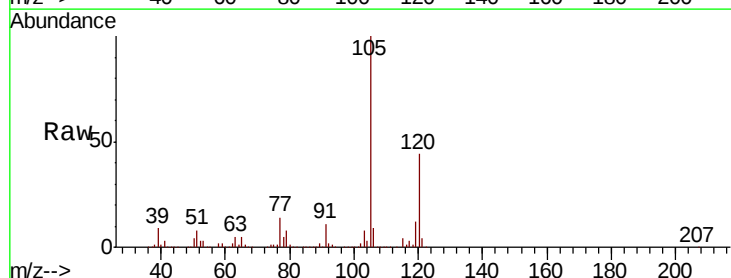
Acq: 24 Sep 2020 11:04

Tgt Ion:105 Resp: 2788126

Ion Ratio Lower Upper

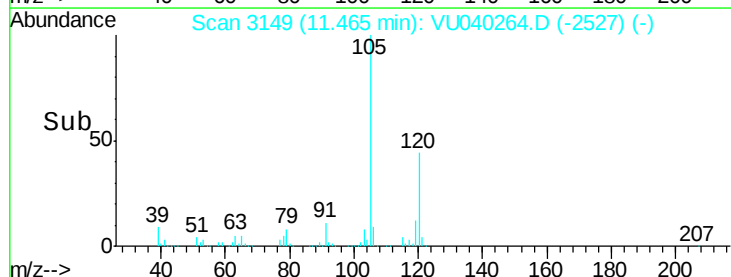
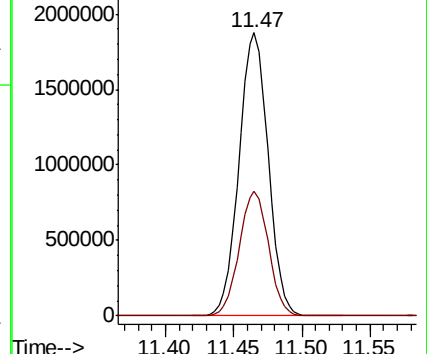
105 100

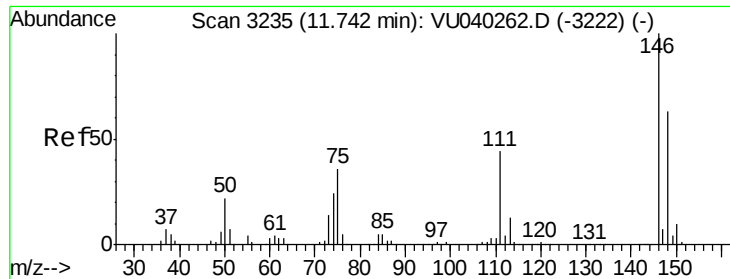
120 44.1 35.8 53.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

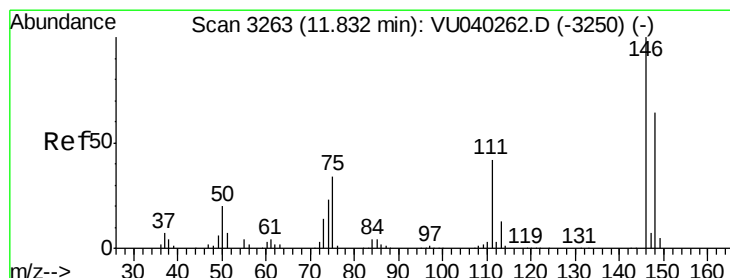
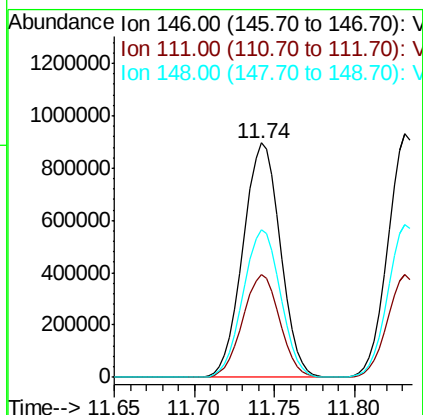
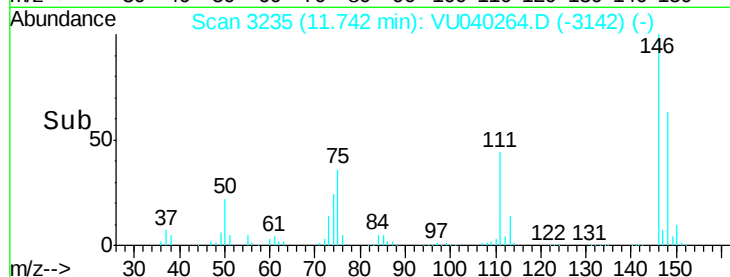
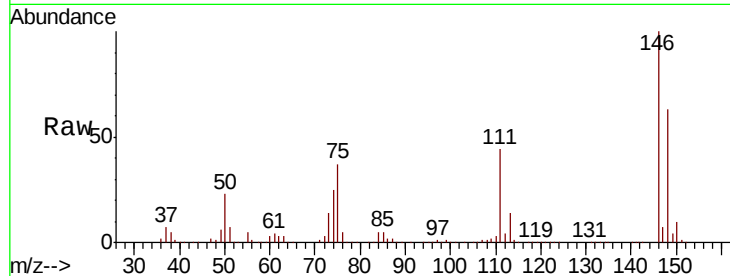




#64
 1,3-Dichlorobenzene
 Concen: 201.254 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU040264.D
 Acq: 24 Sep 2020 11:04

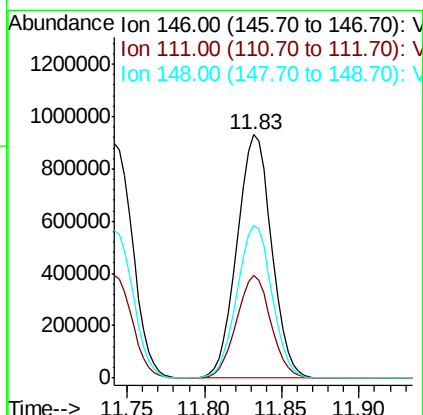
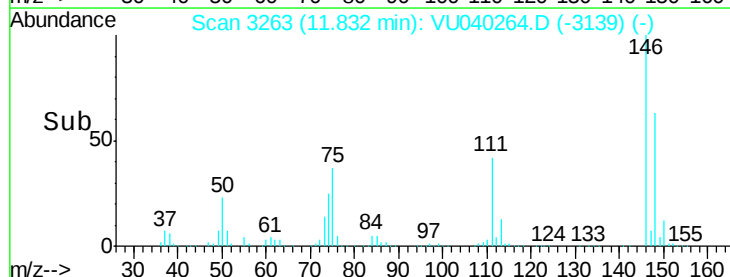
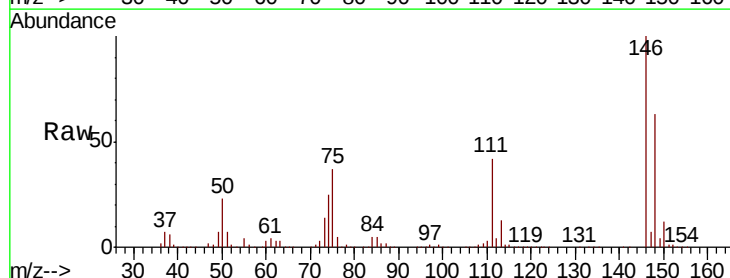
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD200205

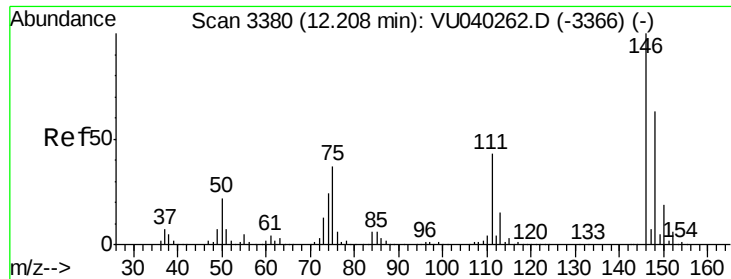
Tot Ion:146 Resp: 1426512
 Ion Ratio Lower Upper
 146 100
 111 43.7 30.6 56.8
 148 63.2 44.4 82.5



#65
 1,4-Dichlorobenzene
 Concen: 201.235 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU040264.D
 Acq: 24 Sep 2020 11:04

Tgt Ion:146 Resp: 1446849
 Ion Ratio Lower Upper
 146 100
 111 42.1 29.4 54.6
 148 62.9 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 193.781 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU040264.D

Acq: 24 Sep 2020 11:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD200205

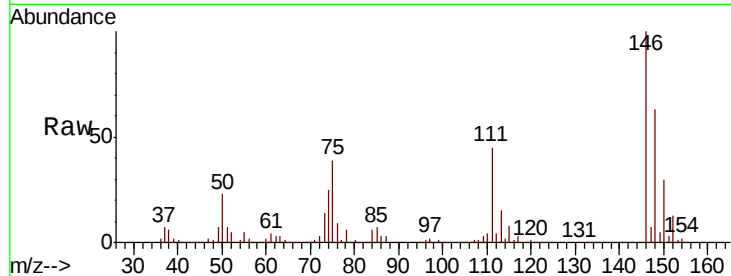
Tot Ion:146 Resp: 1389303

Ion Ratio Lower Upper

146 100

111 45.3 34.5 51.7

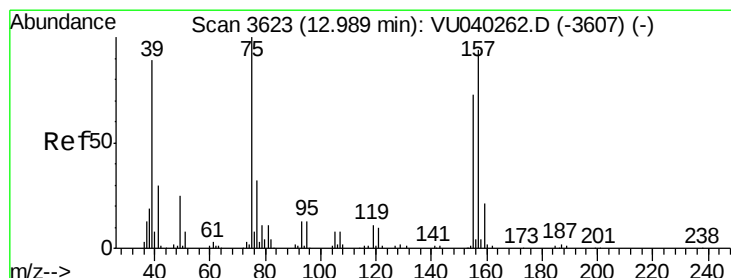
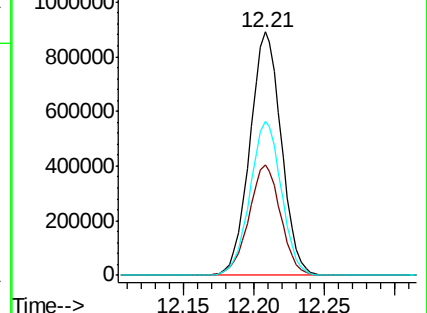
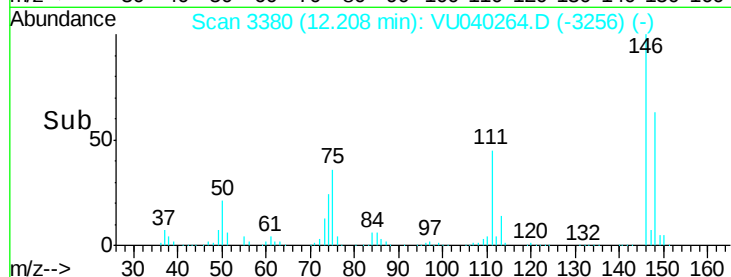
148 63.4 50.5 75.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#68

1,2-Dibromo-3-chloropropane

Concen: 204.343 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. 0.00 min

Lab File: VU040264.D

Acq: 24 Sep 2020 11:04

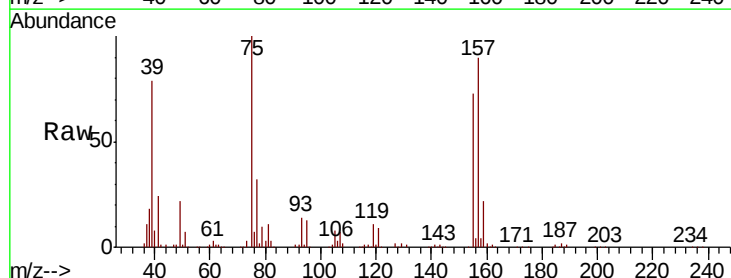
Tgt Ion: 75 Resp: 307762

Ion Ratio Lower Upper

75 100

155 73.2 58.8 88.2

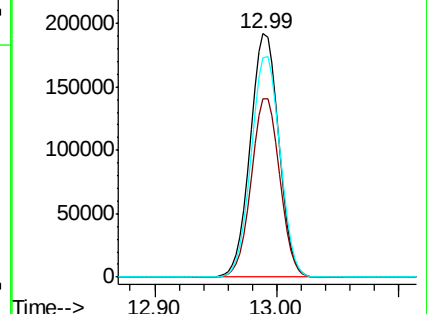
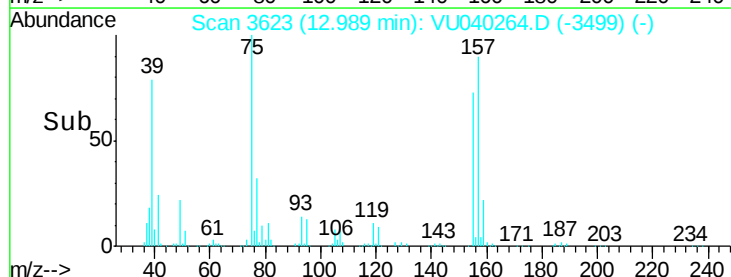
157 90.3 75.1 112.7

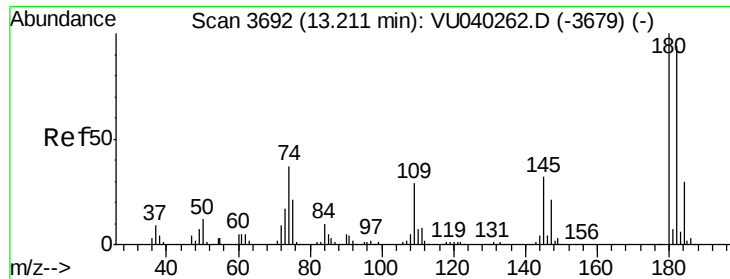


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

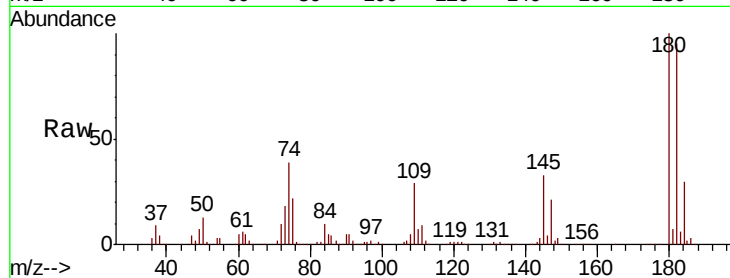




#69
 1,3,5-Trichlorobenzene
 Concen: 197.957 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU040264.D
 Acq: 24 Sep 2020 11:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD200205

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	75.4	113.0
184	30.2	23.7	35.5
145	32.8	25.3	37.9



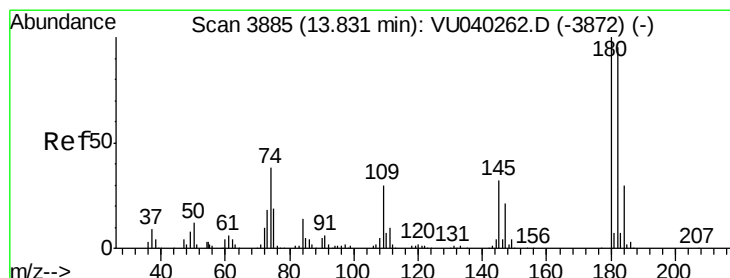
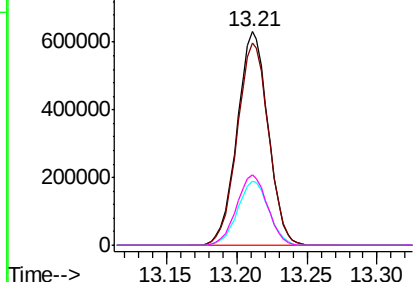
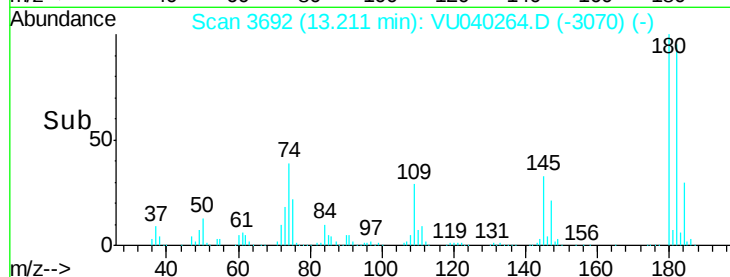
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

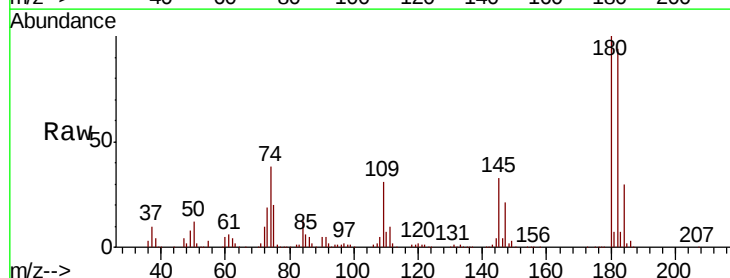
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 213.462 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU040264.D
 Acq: 24 Sep 2020 11:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	76.3	114.5
145	32.9	26.0	39.0

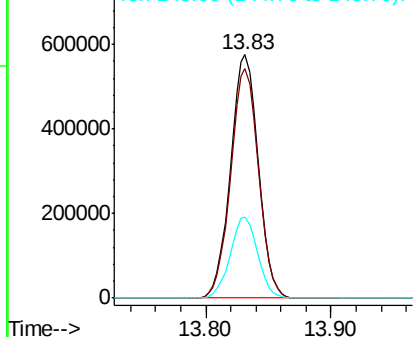
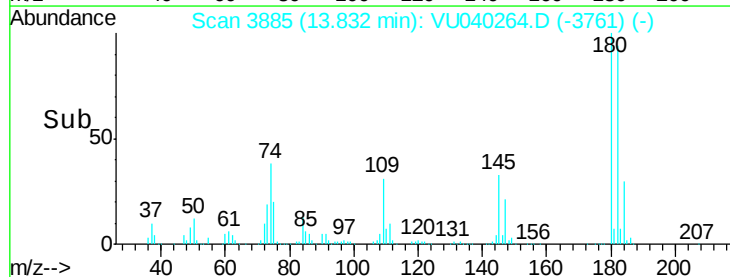


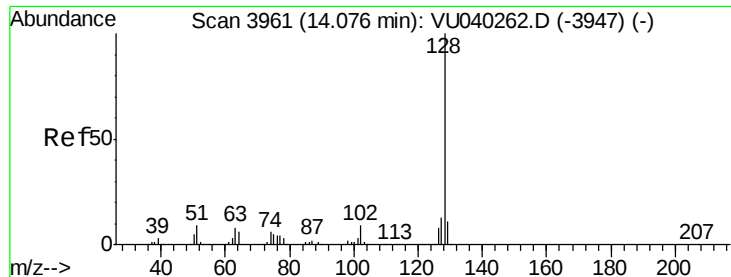
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

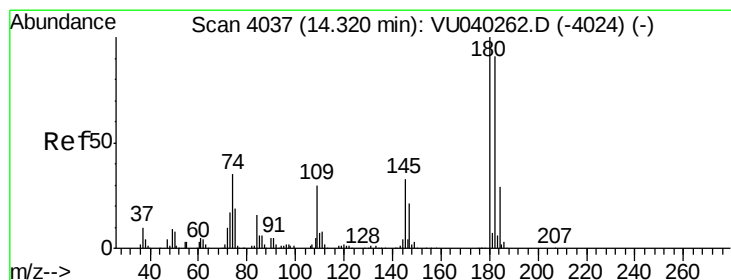
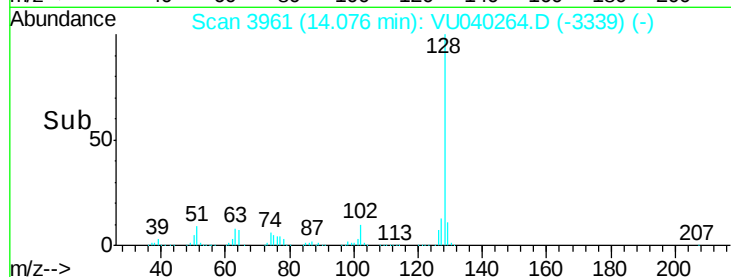
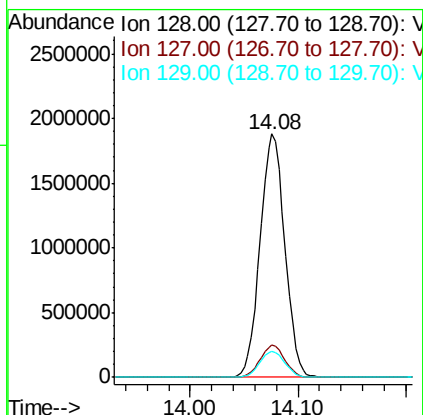
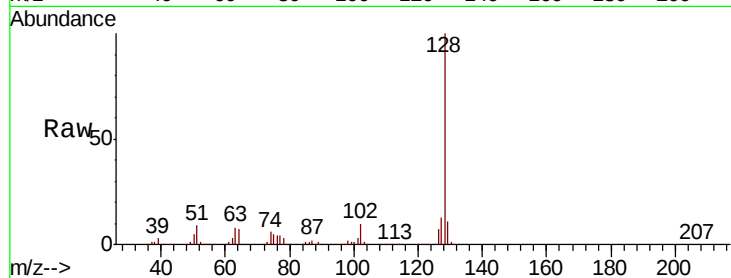




#71
Naphthalene
Concen: 208.535 ug/L
RT: 14.08 min Scan# 3961
Delta R.T. 0.00 min
Lab File: VU040264.D
Acq: 24 Sep 2020 11:04

Instrument :
MSVOA_U
ClientSampleId :
VSTD200205

Tot Ion:128 Resp: 2983814
Ion Ratio Lower Upper
128 100
127 13.2 10.3 15.5
129 10.8 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 197.284 ug/L
RT: 14.32 min Scan# 4037
Delta R.T. 0.00 min
Lab File: VU040264.D
Acq: 24 Sep 2020 11:04

Tgt Ion:180 Resp: 821267
Ion Ratio Lower Upper
180 100
182 95.5 74.2 111.4
145 35.5 27.8 41.6

