

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100820\
 Data File : VU040560.D
 Acq On : 08 Oct 2020 14:09
 Operator : SY/MD
 Sample : VSTD01002
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01002

Quant Time: Oct 09 01:20:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 09 01:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	150214	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	145222	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	77985	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	123225	14.39	ug/L	0.00
7) Chloroethane-d5	1.93	69	94120	13.03	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	243246	12.56	ug/L	0.00
20) 2-Butanone-d5	4.66	46	411408	108.37	ug/L	0.00
24) Chloroform-d	5.08	84	218225	11.58	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	128177	11.27	ug/L	0.00
32) Benzene-d6	5.74	84	410427	12.95	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	133309	11.89	ug/L	0.00
41) Toluene-d8	7.91	98	374311	13.52	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	58953	12.50	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	323991	121.48	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.75	84	117844	10.94	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.19	152	143398	11.52	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	137447	9.245	ug/L 99
3) Chloromethane	1.53	50	123792	8.582	ug/L 96
5) Vinyl chloride	1.61	62	132750	9.237	ug/L 98
6) Bromomethane	1.87	94	71936	10.088	ug/L 98
8) Chloroethane	1.94	64	80774	9.421	ug/L 99
9) Trichlorofluoromethane	2.15	101	188323	9.403	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	123597	9.659	ug/L 98
12) 1,1-Dichloroethene	2.59	96	107620	9.440	ug/L 98
13) Acetone	2.67	43	300357	95.746	ug/L 100
14) Carbon disulfide	2.81	76	299772	8.530	ug/L 100
15) Methyl Acetate	2.97	43	70796	9.508	ug/L 99
16) Methylene chloride	3.06	84	126872	8.820	ug/L 97
17) Methyl tert-butyl Ether	3.38	73	318842	10.084	ug/L 99
18) trans-1,2-Dichloroethene	3.37	96	111146	9.489	ug/L 98
19) 1,1-Dichloroethane	3.89	63	231244	9.552	ug/L 99
21) 2-Butanone	4.74	43	493829	98.867	ug/L 98
22) cis-1,2-Dichloroethene	4.69	96	127044	9.826	ug/L 99
23) Bromochloromethane	4.99	128	59391	9.879	ug/L 98
25) Chloroform	5.11	83	236235	9.563	ug/L 96
27) 1,2-Dichloroethane	5.81	62	165627	9.646	ug/L 99
29) 1,1,1-Trichloroethane	5.33	97	203009	10.215	ug/L 99
30) Cyclohexane	5.41	56	199159	9.847	ug/L 99
31) Carbon tetrachloride	5.54	117	174446	10.214	ug/L 99
33) Benzene	5.79	78	488213	10.029	ug/L 100
34) Trichloroethene	6.56	95	125451	9.744	ug/L 96
35) Methylcyclohexane	6.77	83	189496	10.100	ug/L 98
37) 1,2-Dichloropropane	6.80	63	134584	9.836	ug/L 99
38) Bromodichloromethane	7.12	83	172265	10.249	ug/L 100
39) cis-1,3-Dichloropropene	7.62	75	196005	10.739	ug/L 97
40) 4-Methyl-2-pentanone	7.80	43	1138887	106.795	ug/L 100

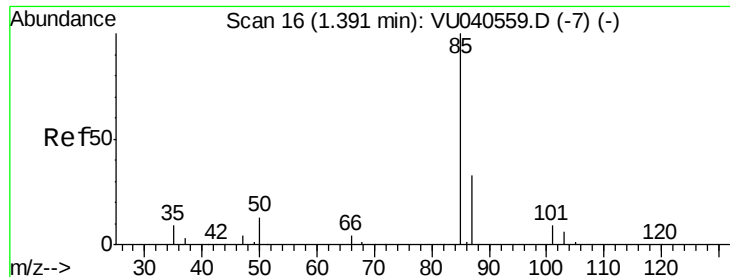
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.98	91	513835	10.301	ug/L	99
44) trans-1,3-Dichloropropene	8.21	75	178897	10.567	ug/L	94
45) 1,1,2-Trichloroethane	8.40	97	97796	10.182	ug/L	99
47) Tetrachloroethene	8.56	164	92775	10.050	ug/L	97
48) 2-Hexanone	8.69	43	851072	107.614	ug/L	100
49) Dibromochloromethane	8.82	129	118284	10.536	ug/L	97
50) 1,2-Dibromoethane	8.93	107	94881	10.410	ug/L	100
51) Chlorobenzene	9.45	112	326297	10.132	ug/L	98
52) Ethylbenzene	9.57	91	573341	10.598	ug/L	100
53) m,p-Xylene	9.69	106	213954	10.615	ug/L	99
54) o-Xylene	10.10	106	206973	10.922	ug/L	97
55) Styrene	10.12	104	366530	11.099	ug/L	99
56) Isopropylbenzene	10.48	105	556357	10.881	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	130214	10.079	ug/L	97
59) 1,2,3-Trichloropropane	10.82	75	98159	9.990	ug/L	100
61) Bromoform	10.29	173	67272	10.199	ug/L	97
62) 1,3-Dichlorobenzene	11.74	146	266616	10.267	ug/L	99
63) 1,4-Dichlorobenzene	11.83	146	269874	9.980	ug/L	100
65) 1,2-Dichlorobenzene	12.21	146	257224	10.181	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	23694	10.348	ug/L	96
67) 1,3,5-Trichlorobenzene	13.21	180	191266	10.311	ug/L	100
68) 1,2,4-trichlorobenzene	13.83	180	166417	11.233	ug/L	96
69) Naphthalene	14.08	128	308883	12.290	ug/L	100
70) 1,2,3-Trichlorobenzene	14.32	180	153294	11.223	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 9.245 ug/L

RT: 1.39 min Scan# 16

Delta R.T. 0.00 min

Lab File: VU040560.D

Acq: 08 Oct 2020 14:09

Instrument :

MSVOA_U

ClientSampleId :

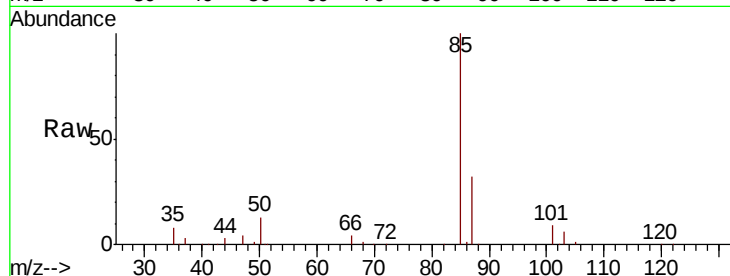
VSTD01002

Tot Ion: 85 Resp: 137447

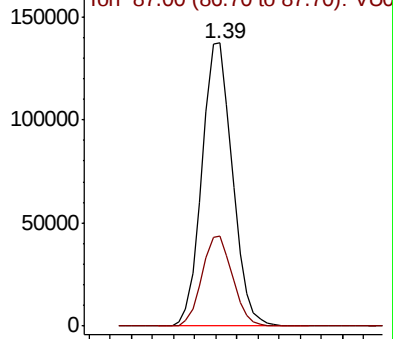
Ion Ratio Lower Upper

85 100

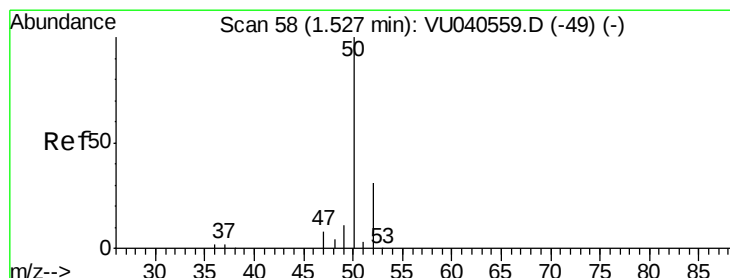
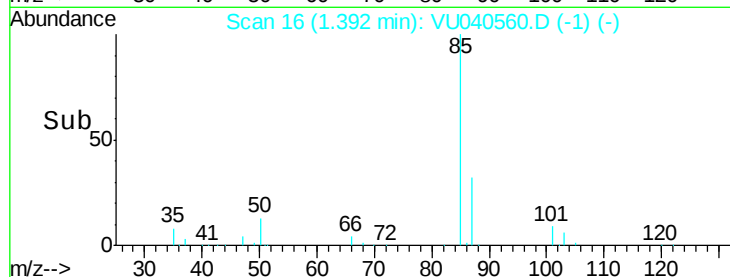
87 32.1 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU040559.D (-7) (-)



Time-->



#3

Chloromethane

Concen: 8.582 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040560.D

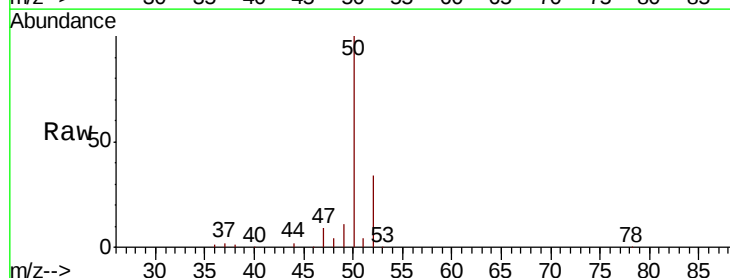
Acq: 08 Oct 2020 14:09

Tgt Ion: 50 Resp: 123792

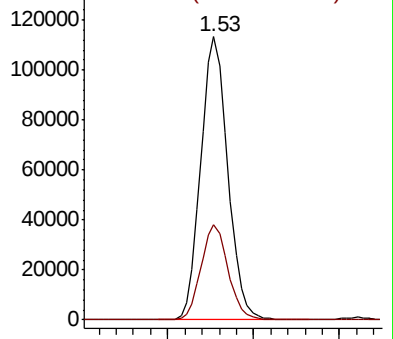
Ion Ratio Lower Upper

50 100

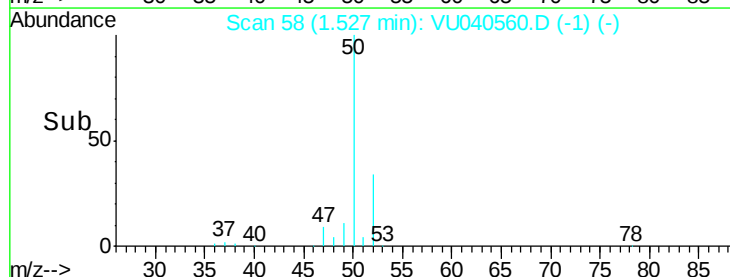
52 33.7 21.9 40.7

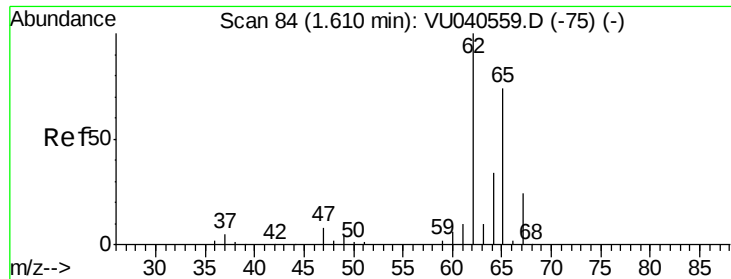


Abundance Ion 50.05 (49.75 to 50.75): VU040559.D (-49) (-)



Time-->





#5

Vinyl chloride

Concen: 9.237 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040560.D

Acq: 08 Oct 2020 14:09

Instrument :

MSVOA_U

ClientSampleId :

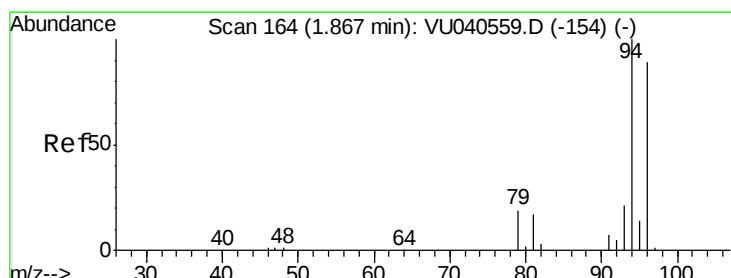
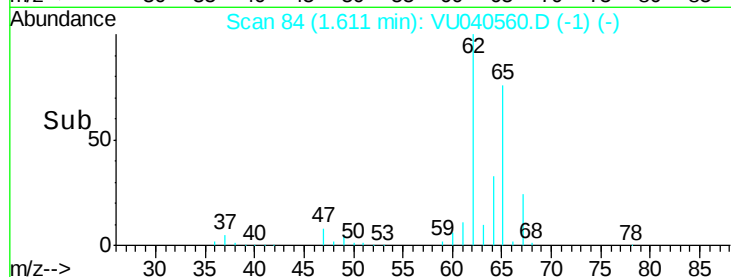
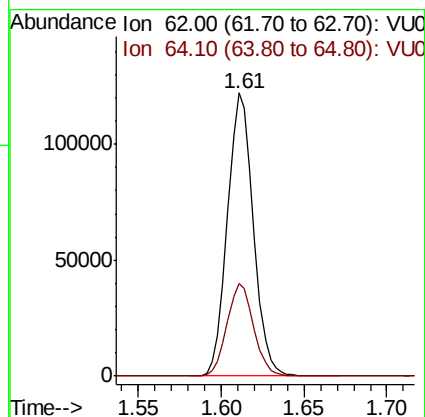
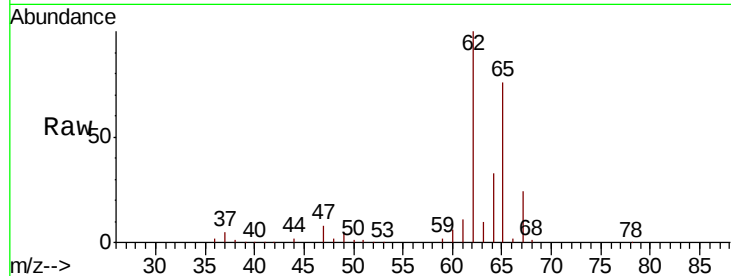
VSTD01002

Tot Ion: 62 Resp: 132750

Ion Ratio Lower Upper

62 100

64 32.9 23.7 44.1



#6

Bromomethane

Concen: 10.088 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU040560.D

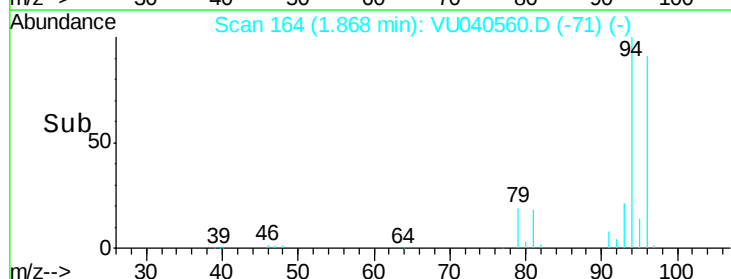
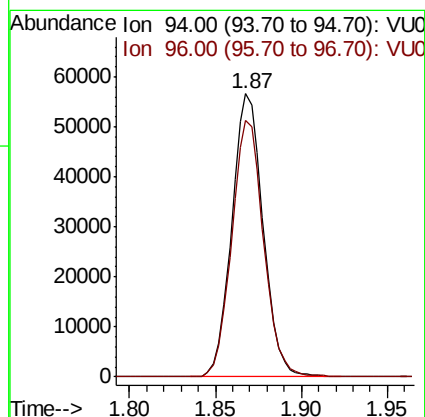
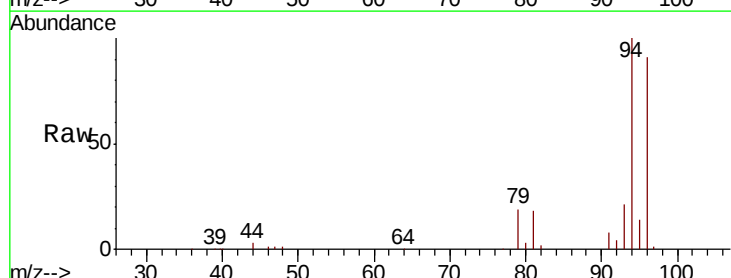
Acq: 08 Oct 2020 14:09

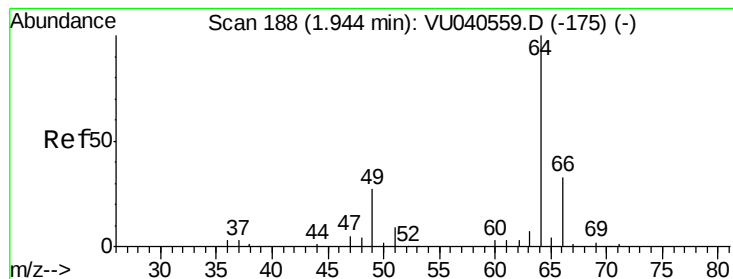
Tgt Ion: 94 Resp: 71936

Ion Ratio Lower Upper

94 100

96 90.7 62.1 115.3





#8

Chloroethane

Concen: 9.421 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU040560.D

Acq: 08 Oct 2020 14:09

Instrument :

MSVOA_U

ClientSampleId :

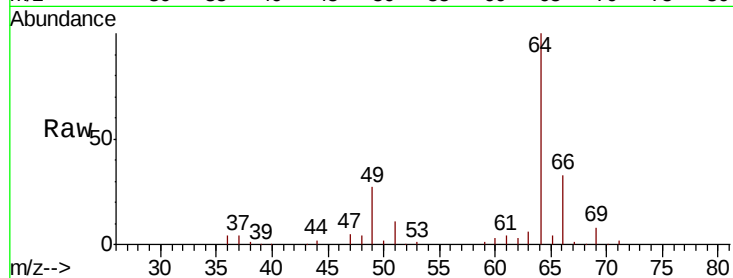
VSTD01002

Tot Ion: 64 Resp: 80774

Ion Ratio Lower Upper

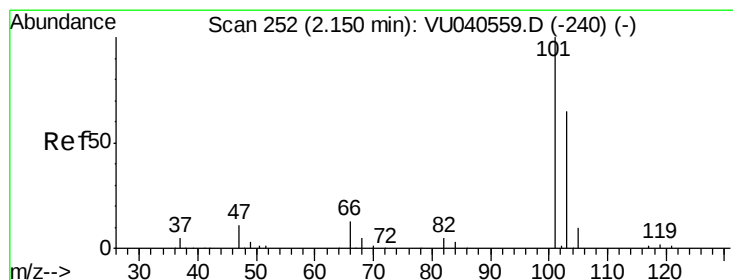
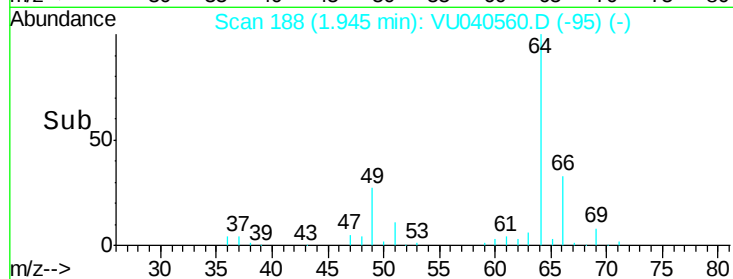
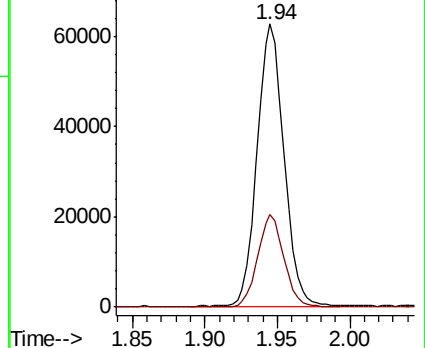
64 100

66 32.6 23.3 43.3



Abundance Ion 64.10 (63.80 to 64.80): VU040559.D (-175) (-)

Ion 66.05 (65.75 to 66.75): VU040559.D (-175) (-)



#9

Trichlorofluoromethane

Concen: 9.403 ug/L

RT: 2.15 min Scan# 252

Delta R.T. 0.00 min

Lab File: VU040560.D

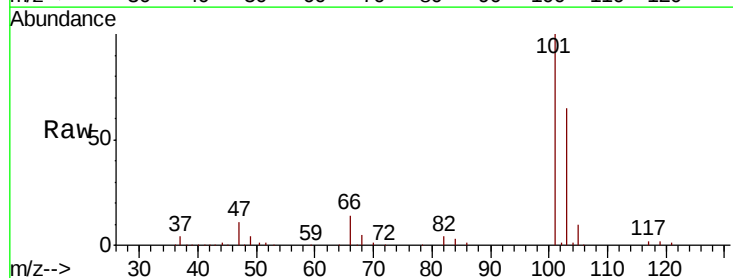
Acq: 08 Oct 2020 14:09

Tgt Ion: 101 Resp: 188323

Ion Ratio Lower Upper

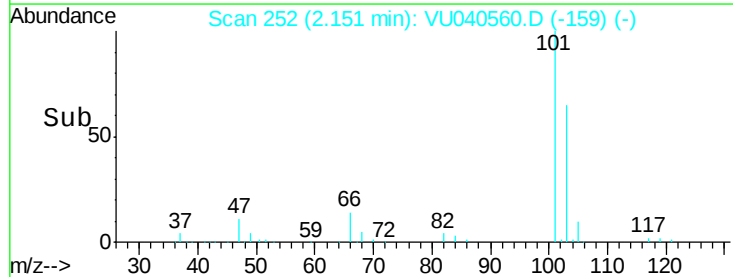
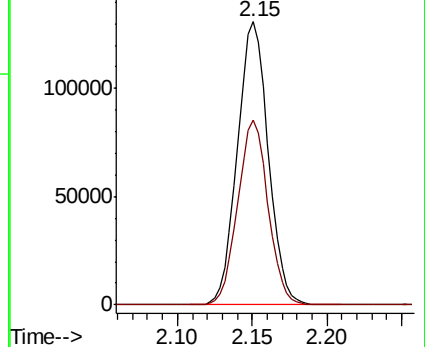
101 100

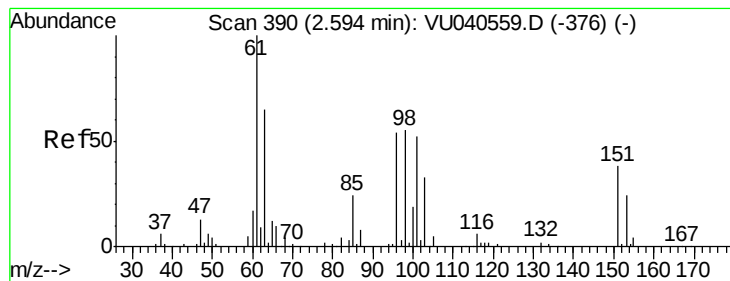
103 64.1 52.2 78.4



Abundance Ion 101.00 (100.70 to 101.70): VU040559.D (-240) (-)

Ion 103.00 (102.70 to 103.70): VU040559.D (-240) (-)





#10

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

Concen: 9.659 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040560.D

Acq: 08 Oct 2020 14:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD01002

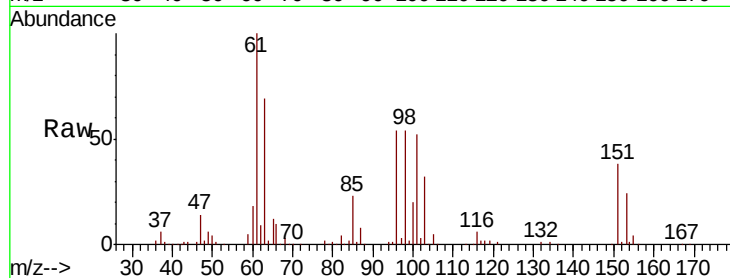
Tot Ion:101 Resp: 123597

Ion Ratio Lower Upper

101 100

85 44.0 36.7 55.1

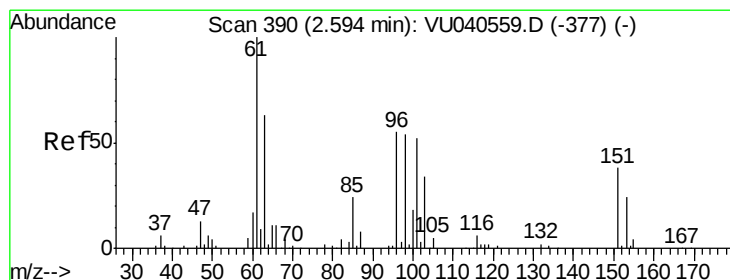
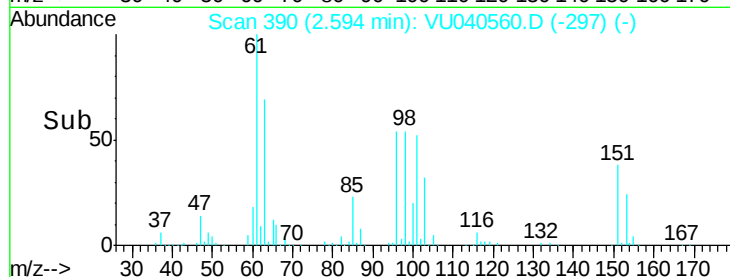
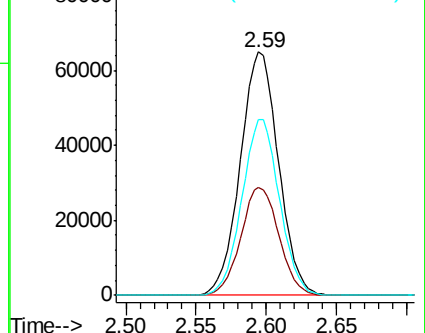
151 70.8 58.0 87.0



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: 9.440 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040560.D

Acq: 08 Oct 2020 14:09

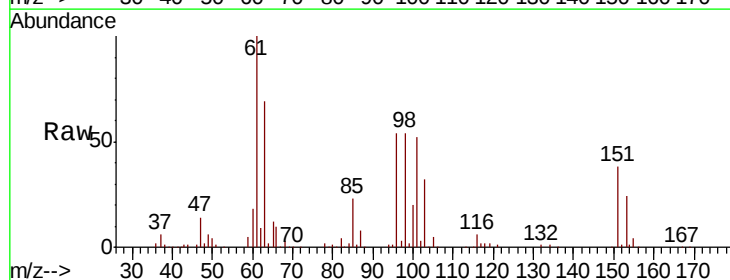
Tgt Ion: 96 Resp: 107620

Ion Ratio Lower Upper

96 100

61 183.7 128.8 239.2

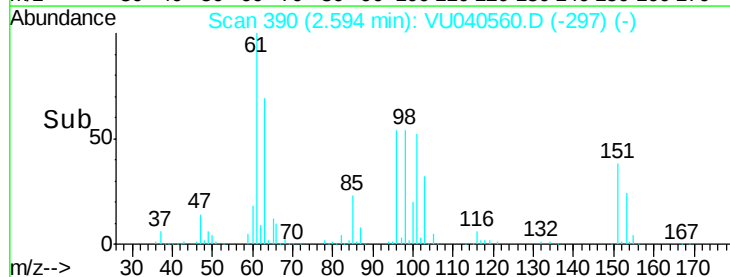
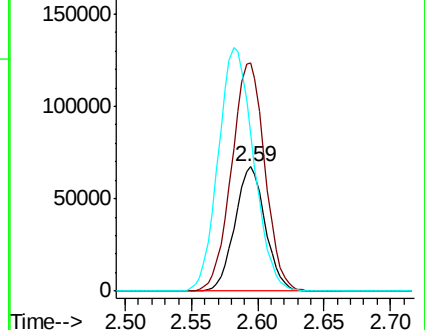
63 126.7 84.6 157.2

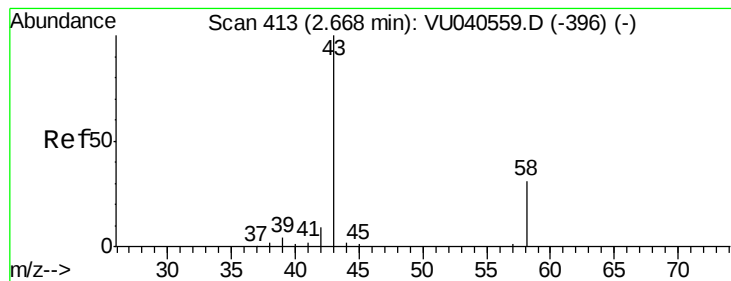


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 95.746 ug/L

RT: 2.67 min Scan# 413

Delta R.T. 0.00 min

Lab File: VU040560.D

Acq: 08 Oct 2020 14:09

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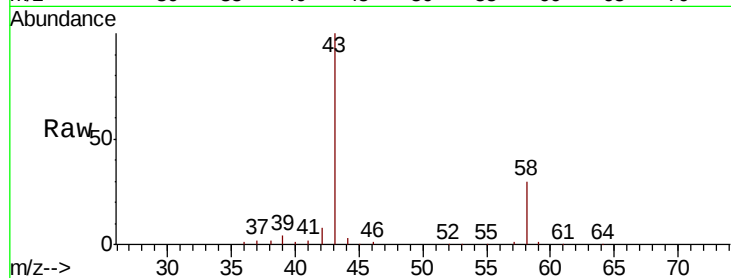
VSTD01002

Tot Ion: 43 Resp: 300357

Ion Ratio Lower Upper

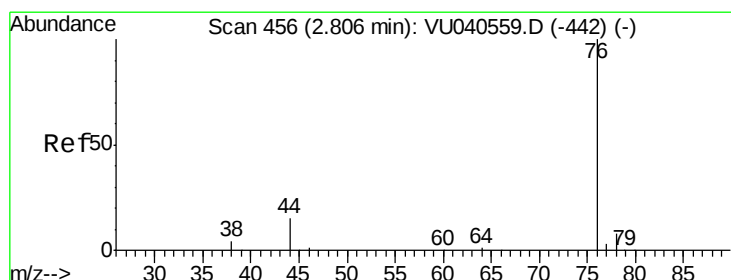
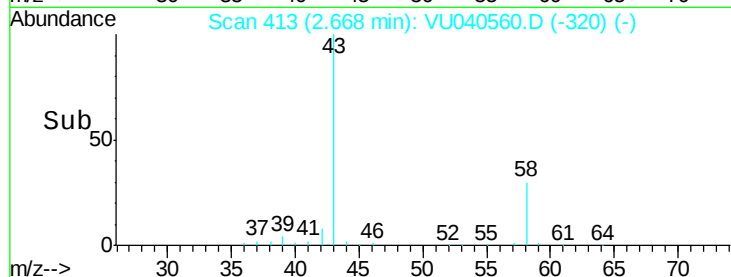
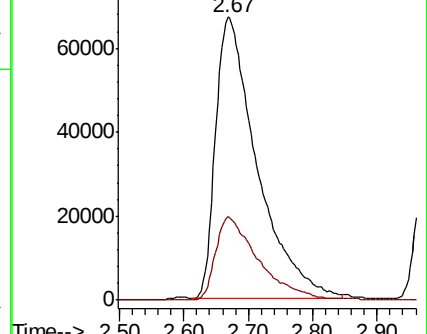
43 100

58 30.3 0.0 60.6



Abundance Ion 43.05 (42.75 to 43.75): VU040559.D (-396) (-)

Ion 58.05 (57.75 to 58.75): VU040559.D (-396) (-)



#14

Carbon disulfide

Concen: 8.530 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU040560.D

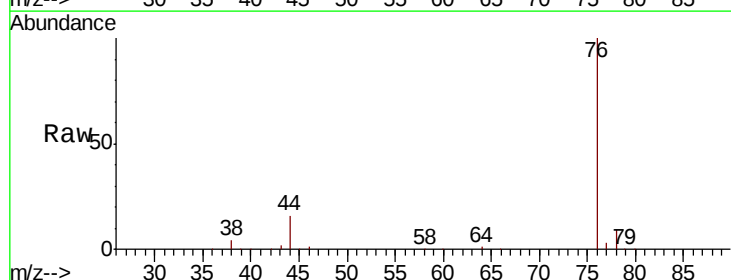
Acq: 08 Oct 2020 14:09

Tgt Ion: 76 Resp: 299772

Ion Ratio Lower Upper

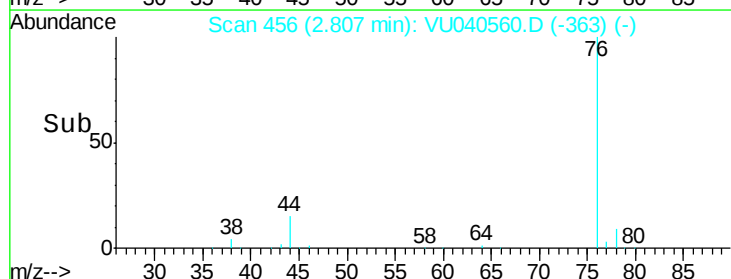
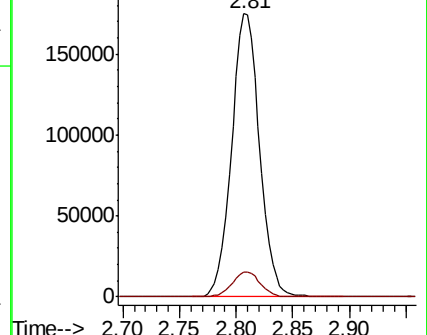
76 100

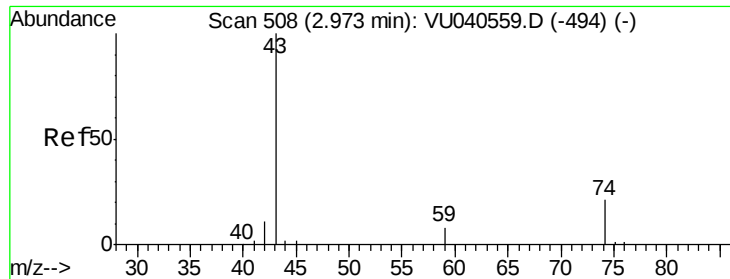
78 8.7 6.8 10.2



Abundance Ion 76.05 (75.75 to 76.75): VU040559.D (-442) (-)

Ion 78.00 (77.70 to 78.70): VU040559.D (-442) (-)





#15

Methvl Acetate

Concen: 9.508 ug/L

RT: 2.97 min Scan# 508

Delta R.T. 0.00 min

Lab File: VU040560.D

Acq: 08 Oct 2020 14:09

Instrument :

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ClientSampleId :

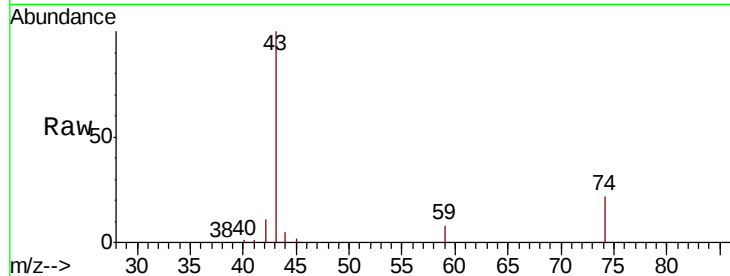
VSTD01002

Tot Ion: 43 Resp: 70796

Ion Ratio Lower Upper

43 100

74 21.3 16.5 24.7



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0

2.97

30000

25000

20000

15000

10000

5000

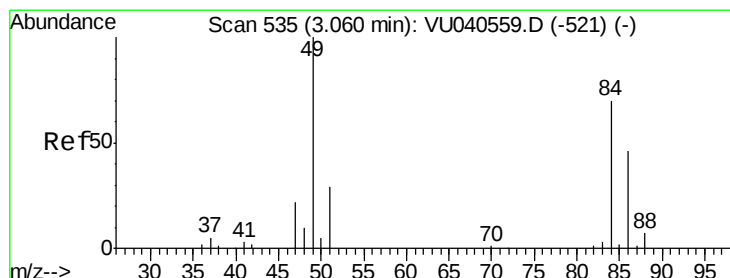
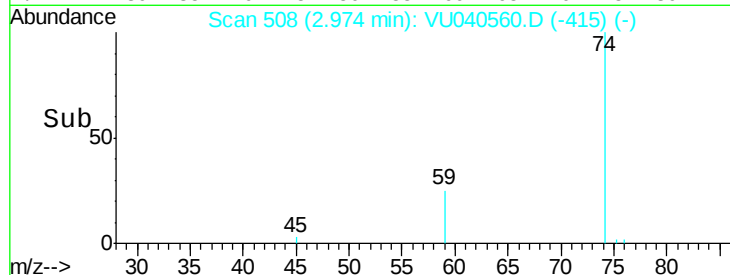
0

Time-->

2.90

3.00

3.10



#16

Methylene chloride

Concen: 8.820 ug/L

RT: 3.06 min Scan# 536

Delta R.T. 0.00 min

Lab File: VU040560.D

Acq: 08 Oct 2020 14:09

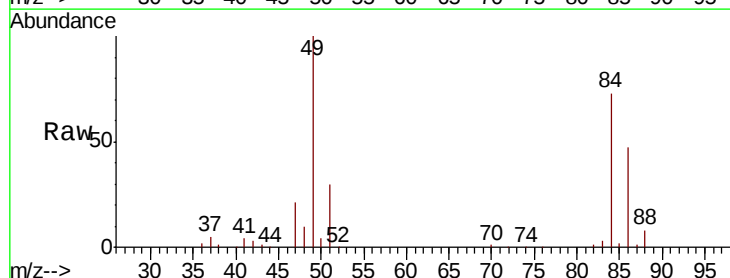
Tgt Ion: 84 Resp: 126872

Ion Ratio Lower Upper

84 100

86 64.0 45.4 84.4

49 137.0 99.8 185.3



Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

120000

100000

80000

60000

40000

20000

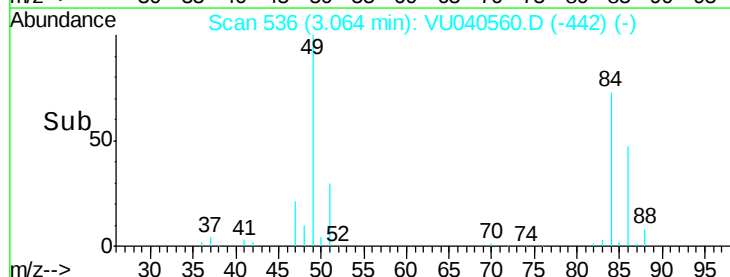
0

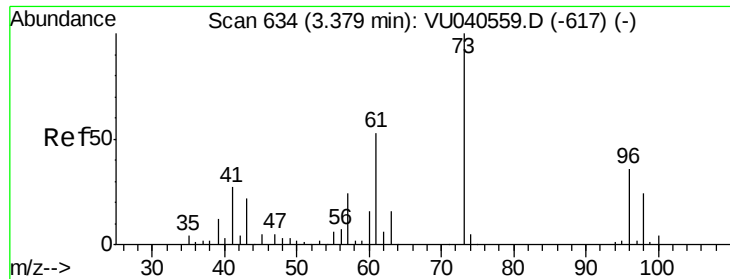
Time-->

3.00

3.10

3.20

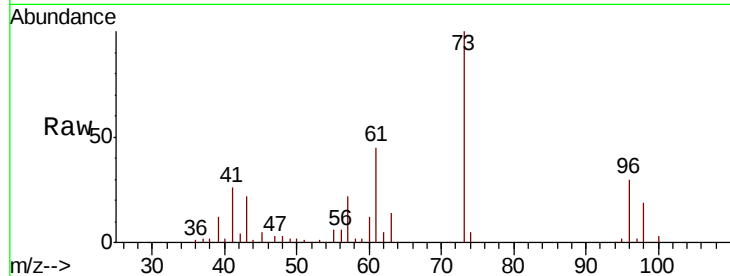




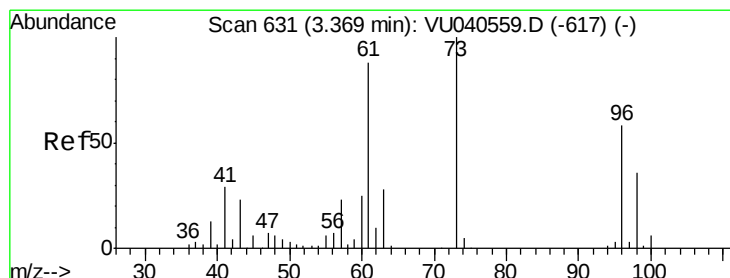
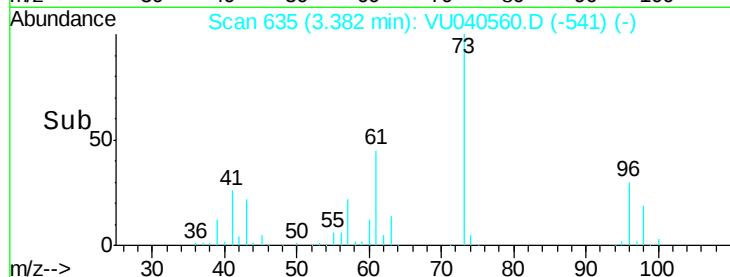
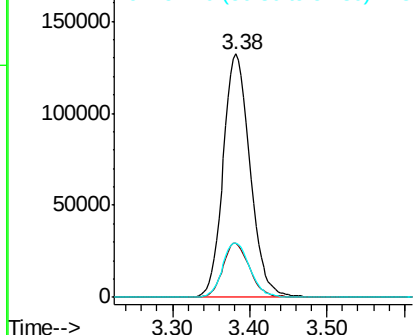
#17
Methvl tert-butvl Ether
Concen: 10.084 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU040560.D
Acq: 08 Oct 2020 14:09

Instrument :
MSVOA_U
ClientSampleId :
VSTD01002

Tot Ion: 73 Resp: 318842
Ion Ratio Lower Upper
73 100
43 22.2 18.2 27.4
57 22.9 18.6 28.0

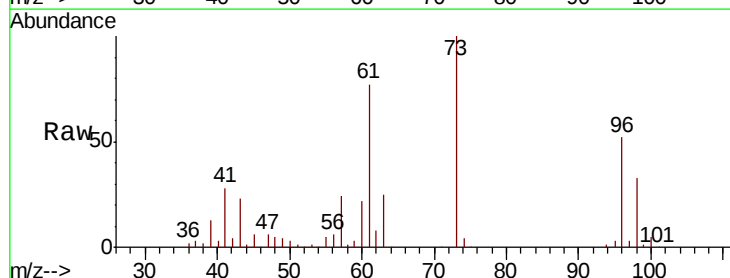


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

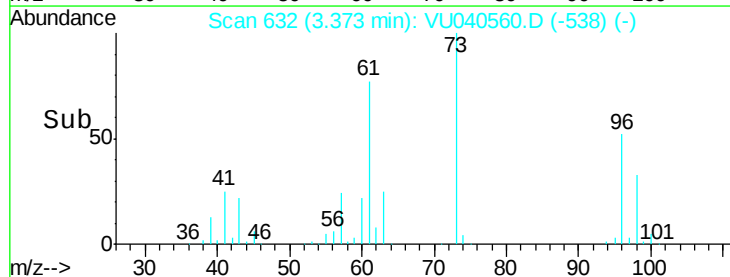
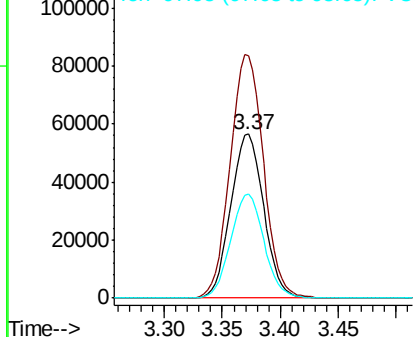


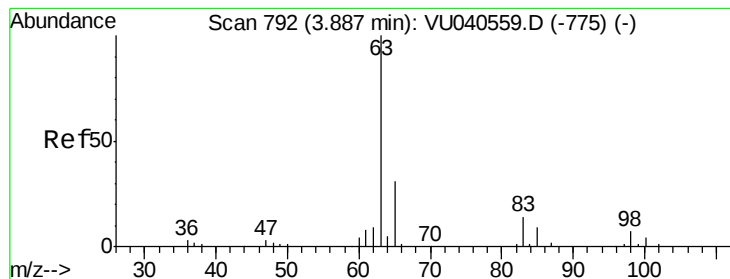
#18
trans-1,2-Dichloroethene
Concen: 9.489 ug/L
RT: 3.37 min Scan# 632
Delta R.T. 0.00 min
Lab File: VU040560.D
Acq: 08 Oct 2020 14:09

Tgt Ion: 96 Resp: 111146
Ion Ratio Lower Upper
96 100
61 147.6 105.9 196.7
98 63.4 43.8 81.3



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





#19

1,1-Dichloroethane

Concen: 9.552 ug/L

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU040560.D

Acq: 08 Oct 2020 14:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD01002

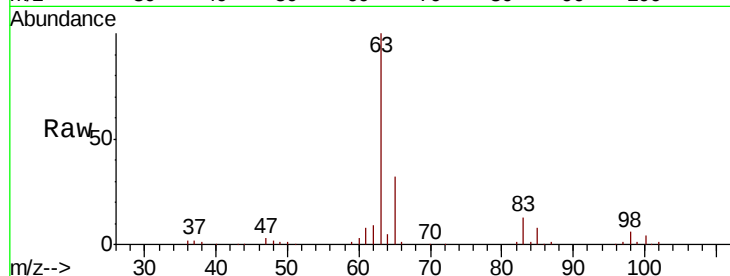
Tot Ion: 63 Resp: 231244

Ion Ratio Lower Upper

63 100

65 31.5 21.9 40.7

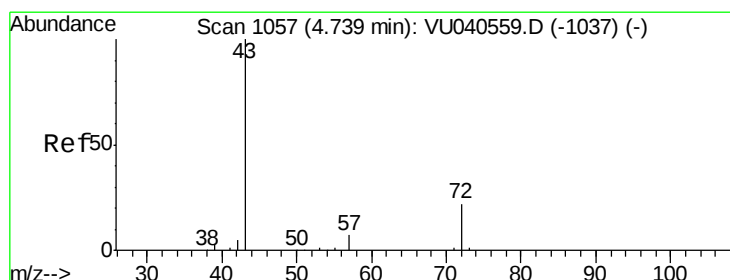
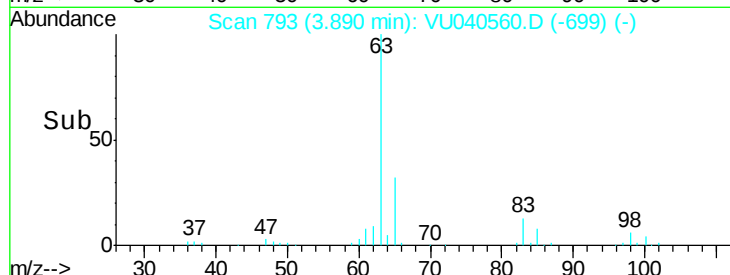
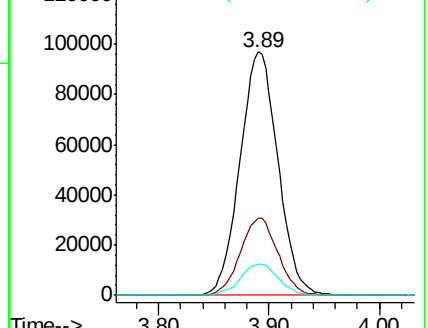
83 12.6 9.6 17.8



Abundance Ion 63.10 (62.80 to 63.80): VU040559.D (-775) (-)

Ion 65.10 (64.80 to 65.80): VU040559.D (-775) (-)

Ion 83.05 (82.75 to 83.75): VU040559.D (-775) (-)



#21

2-Butanone

Concen: 98.867 ug/L

RT: 4.74 min Scan# 1057

Delta R.T. 0.00 min

Lab File: VU040560.D

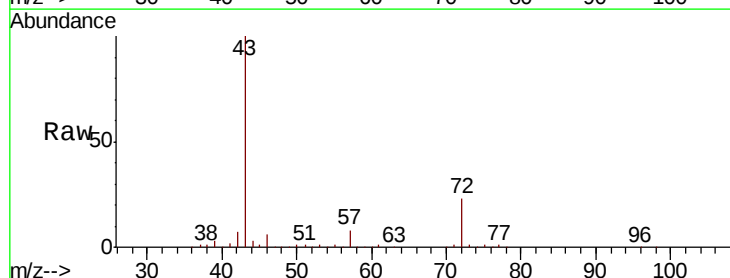
Acq: 08 Oct 2020 14:09

Tgt Ion: 43 Resp: 493829

Ion Ratio Lower Upper

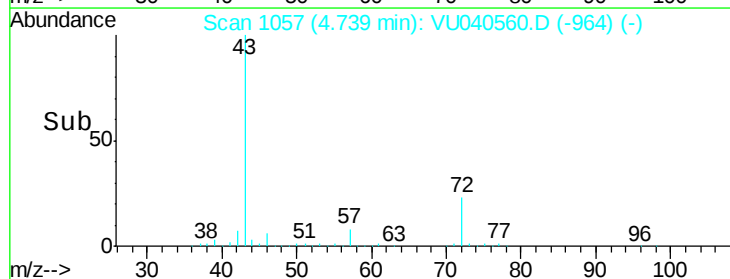
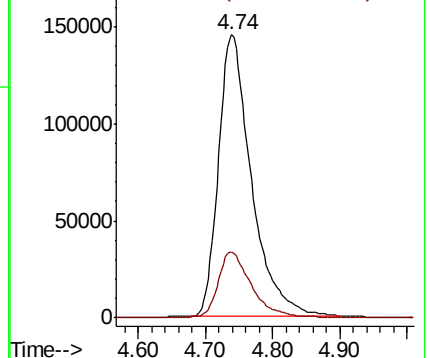
43 100

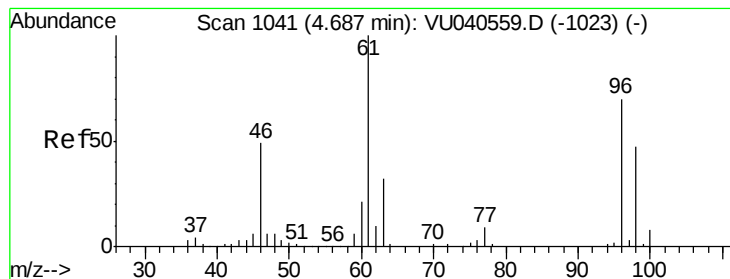
72 23.7 11.4 34.2



Abundance Ion 43.05 (42.75 to 43.75): VU040559.D (-1037) (-)

Ion 72.10 (71.80 to 72.80): VU040559.D (-1037) (-)





#22

cis-1,2-Dichloroethene

Concen: 9.826 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040560.D

Acq: 08 Oct 2020 14:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD01002

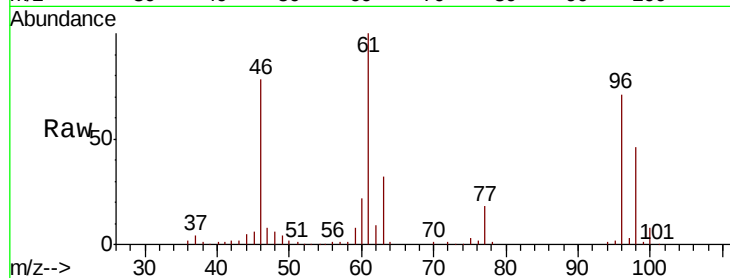
Tot Ion: 96 Resp: 127044

Ion Ratio Lower Upper

96 100

61 141.8 99.8 185.4

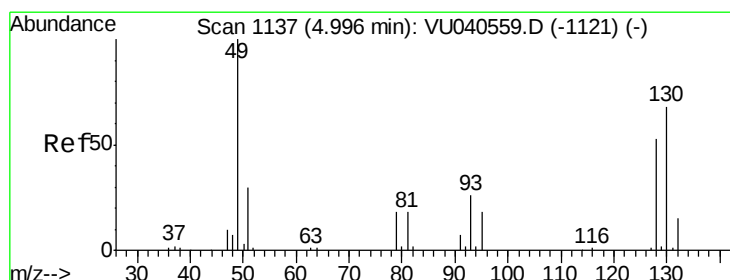
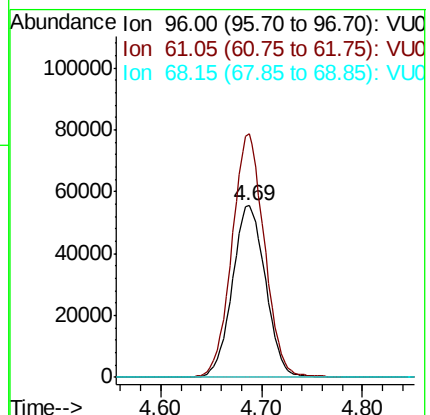
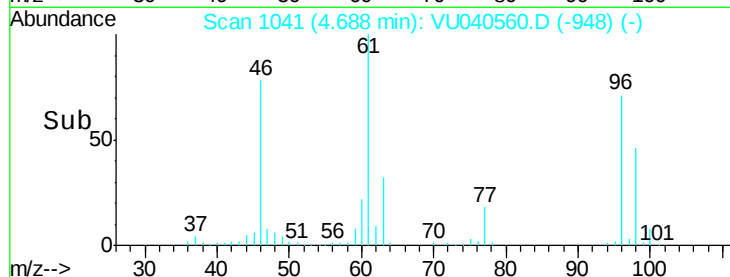
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040560.D (-948) (-)

Ion 61.05 (60.75 to 61.75): VU040560.D (-948) (-)

Ion 68.15 (67.85 to 68.85): VU040560.D (-948) (-)



#23

Bromochloromethane

Concen: 9.879 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VU040560.D

Acq: 08 Oct 2020 14:09

Tgt Ion: 128 Resp: 59391

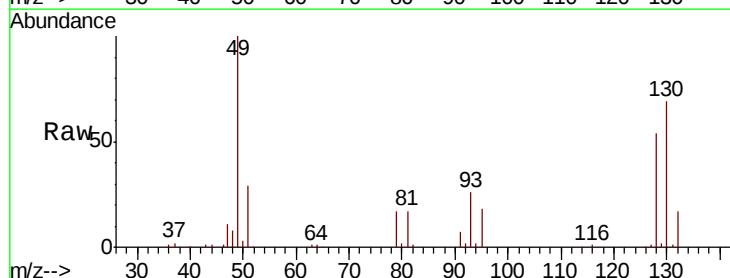
Ion Ratio Lower Upper

128 100

49 185.0 132.2 245.4

130 127.5 89.2 165.8

51 54.3 45.3 67.9

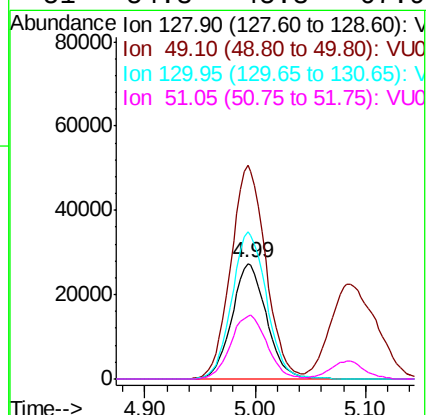
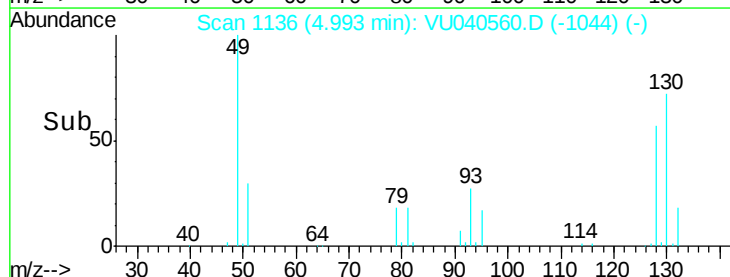


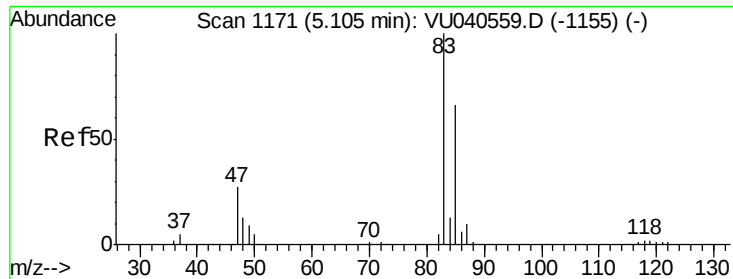
Abundance Ion 127.90 (127.60 to 128.60): VU040560.D (-1044) (-)

Ion 49.10 (48.80 to 49.80): VU040560.D (-1044) (-)

Ion 129.95 (129.65 to 130.65): VU040560.D (-1044) (-)

Ion 51.05 (50.75 to 51.75): VU040560.D (-1044) (-)

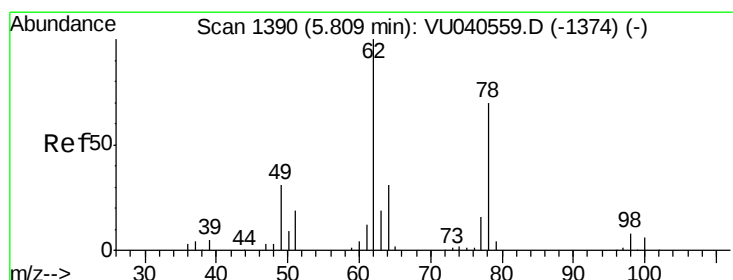
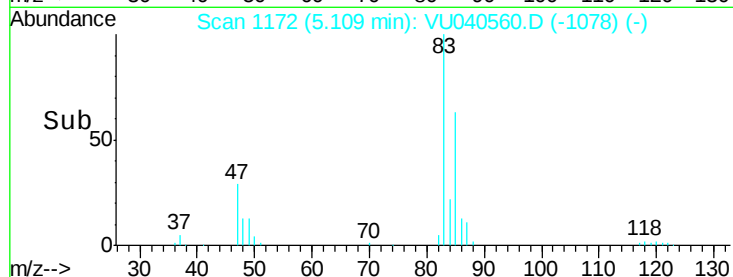
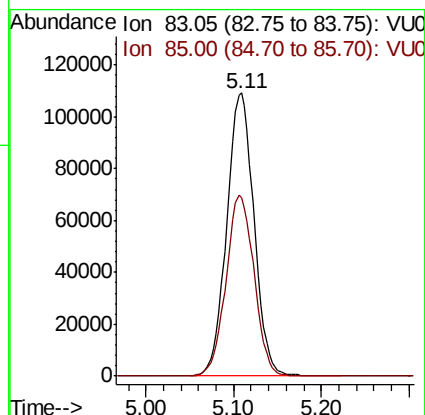
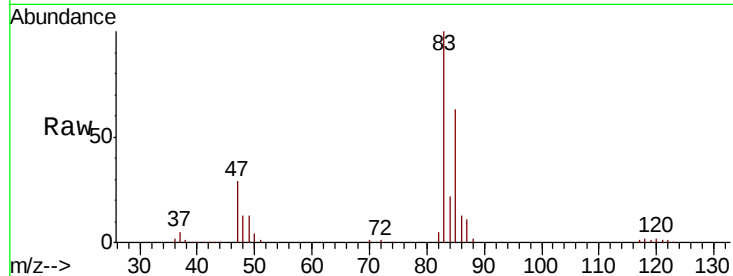




#25
Chloroform
Concen: 9.563 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU040560.D
Acq: 08 Oct 2020 14:09

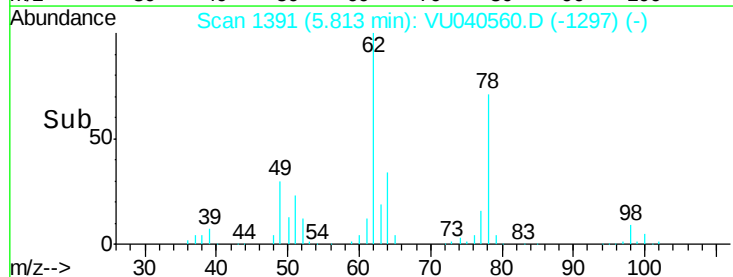
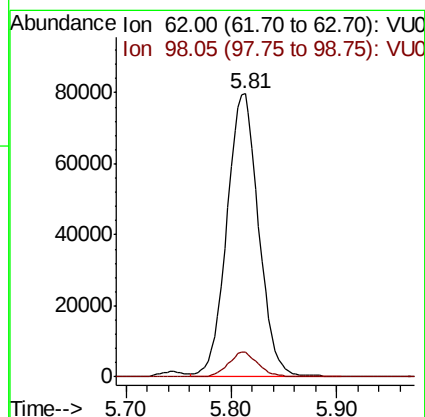
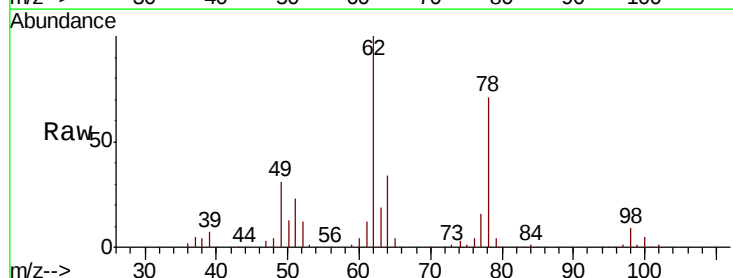
Instrument :
MSVOA_U
ClientSampleId :
VSTD01002

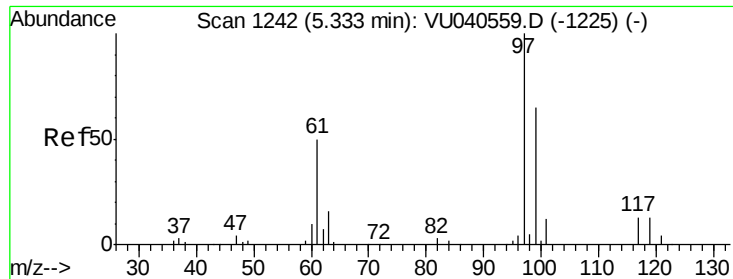
Tot Ion: 83 Resp: 236235
Ion Ratio Lower Upper
83 100
85 62.9 46.5 86.5



#27
1,2-Dichloroethane
Concen: 9.646 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VU040560.D
Acq: 08 Oct 2020 14:09

Tgt Ion: 62 Resp: 165627
Ion Ratio Lower Upper
62 100
98 8.6 6.6 10.0

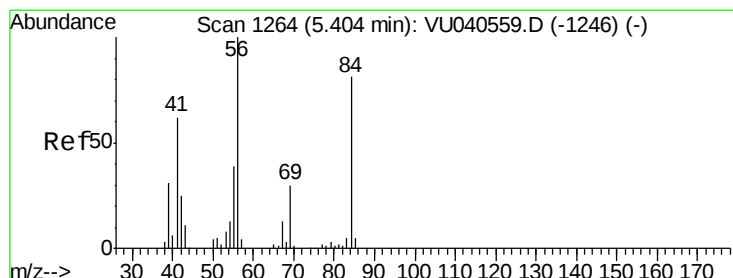
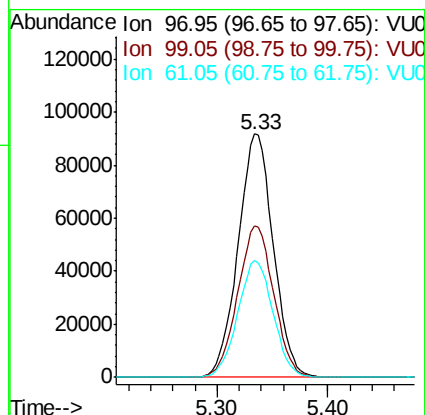
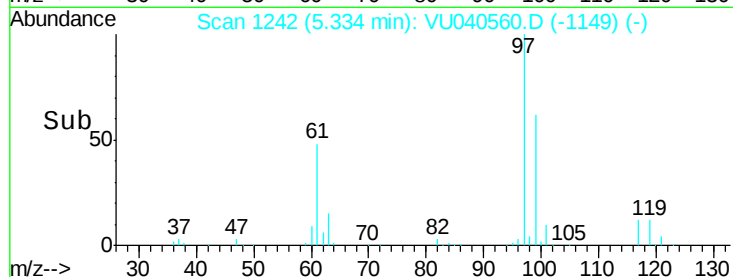
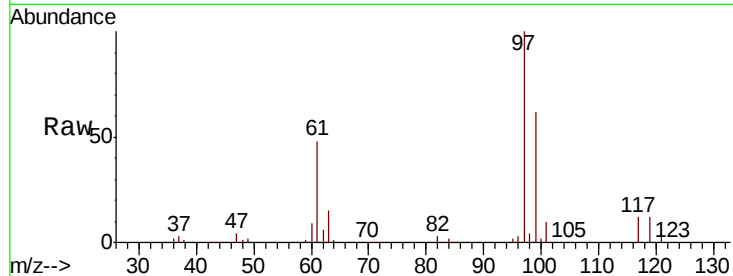




#29
 1,1,1-Trichloroethane
 Concen: 10.215 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU040560.D
 Acq: 08 Oct 2020 14:09

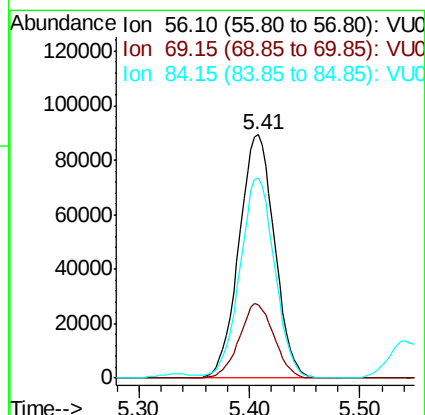
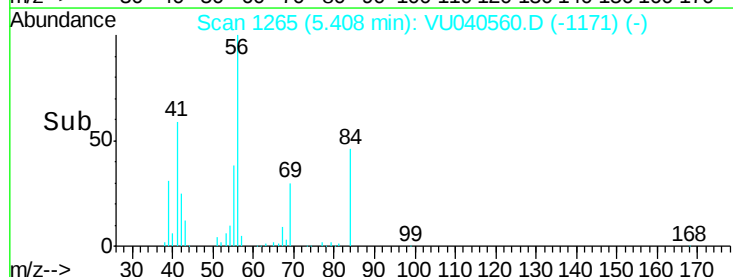
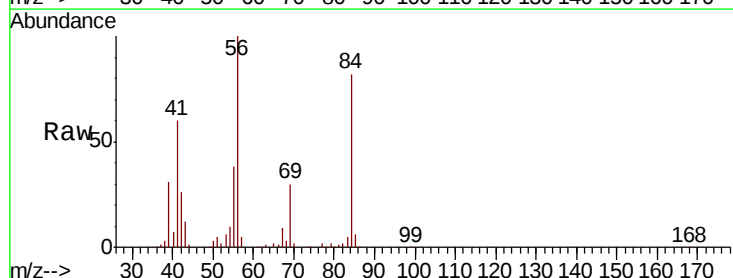
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01002

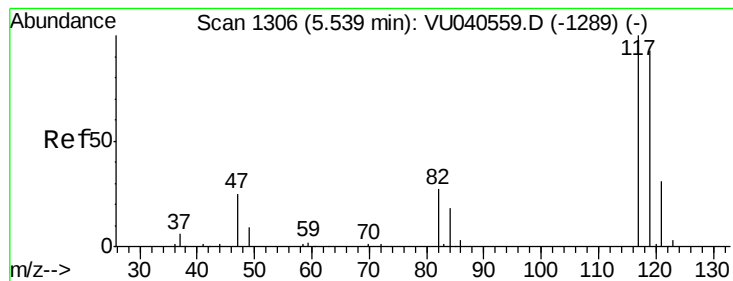
Tot Ion: 97 Resp: 203009
 Ion Ratio Lower Upper
 97 100
 99 63.7 51.3 76.9
 61 48.1 39.4 59.2



#30
 Cyclohexane
 Concen: 9.847 ug/L
 RT: 5.41 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VU040560.D
 Acq: 08 Oct 2020 14:09

Tgt Ion: 56 Resp: 199159
 Ion Ratio Lower Upper
 56 100
 69 29.8 23.8 35.8
 84 80.7 64.0 96.0





#31

Carbon tetrachloride

Concen: 10.214 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU040560.D

Acq: 08 Oct 2020 14:09

Instrument :

MSVOA_U

ClientSampleId :

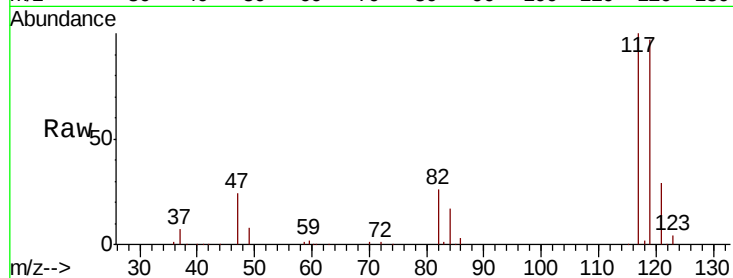
VSTD01002

Tot Ion:117 Resp: 174446

Ion Ratio Lower Upper

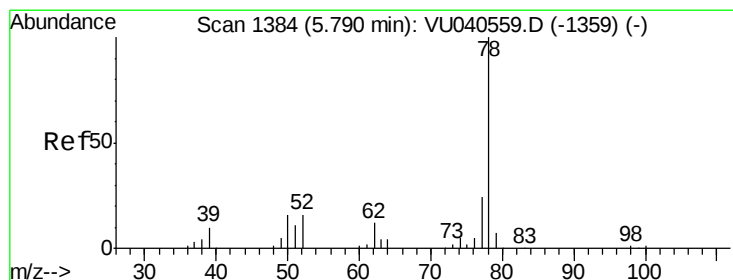
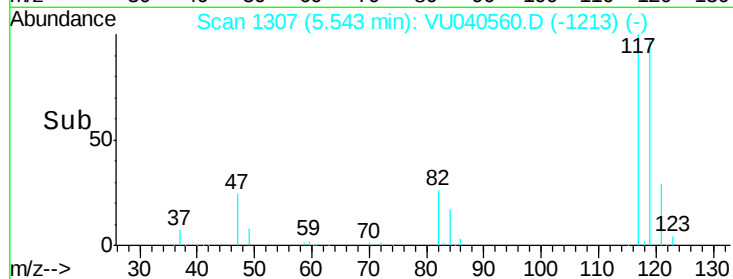
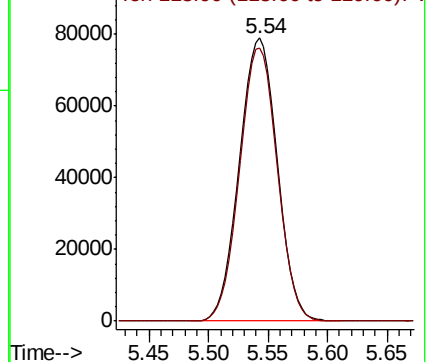
117 100

119 96.1 76.2 114.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 10.029 ug/L

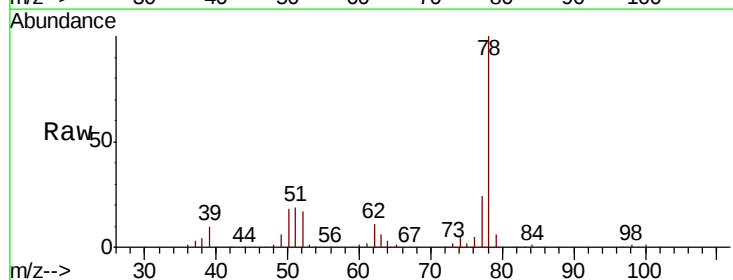
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

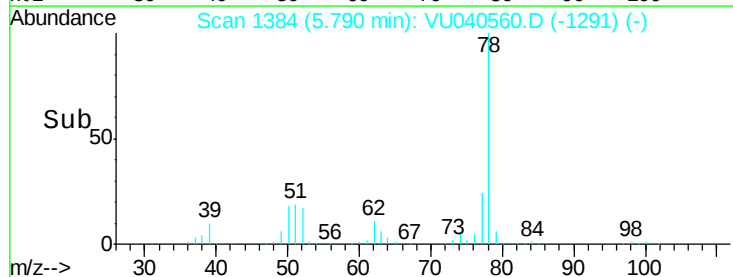
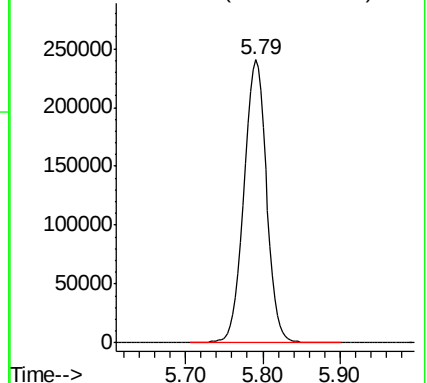
Lab File: VU040560.D

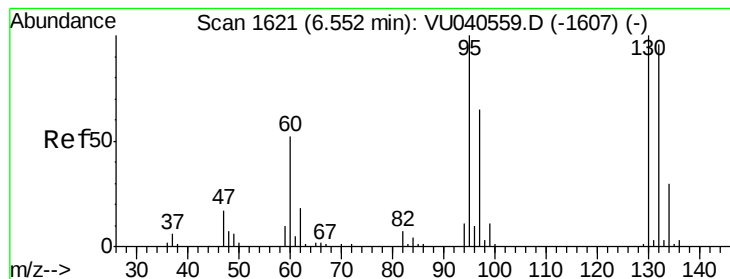
Acq: 08 Oct 2020 14:09

Tgt Ion: 78 Resp: 488213



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 9.744 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU040560.D

Acq: 08 Oct 2020 14:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD01002

Tot Ion: 95 Resp: 125451

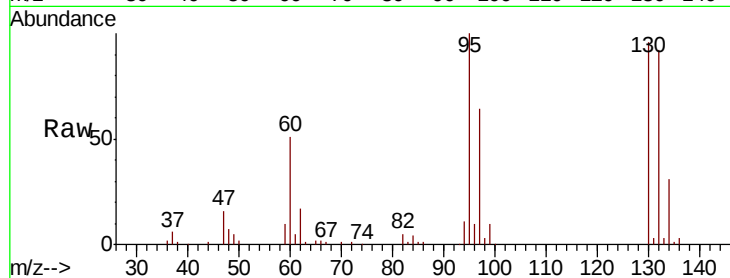
Ion Ratio Lower Upper

95 100

97 64.4 45.5 84.5

132 91.7 67.5 125.4

130 95.9 69.9 129.9

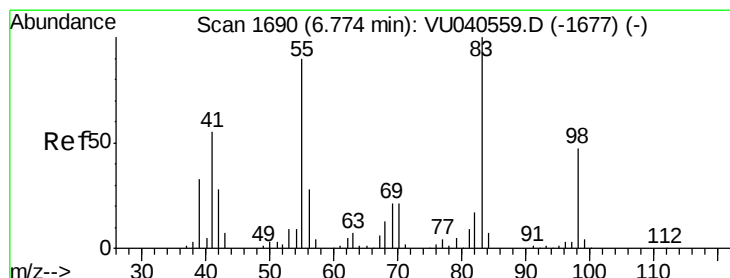
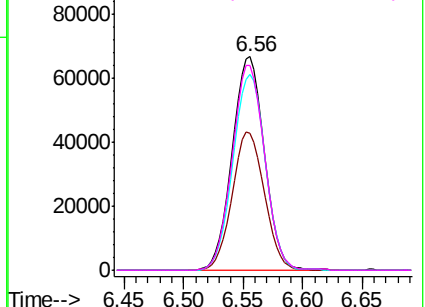
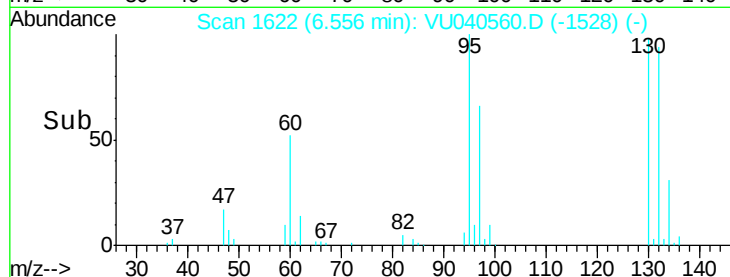


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 10.100 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VU040560.D

Acq: 08 Oct 2020 14:09

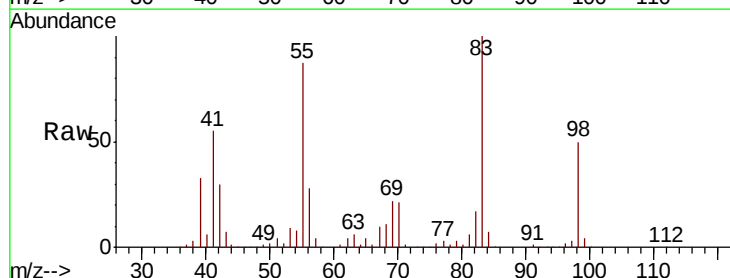
Tgt Ion: 83 Resp: 189496

Ion Ratio Lower Upper

83 100

55 87.2 70.7 106.1

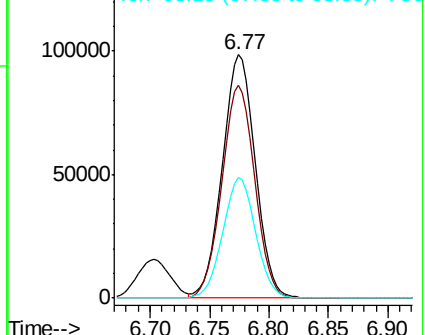
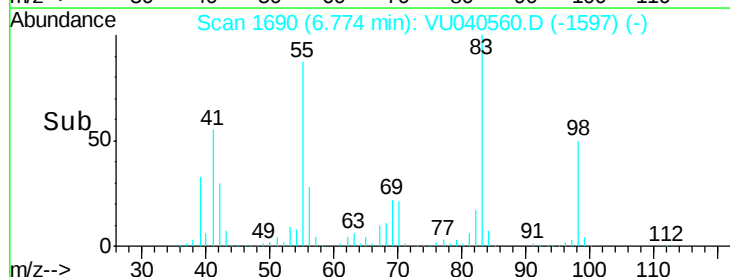
98 49.4 38.4 57.6

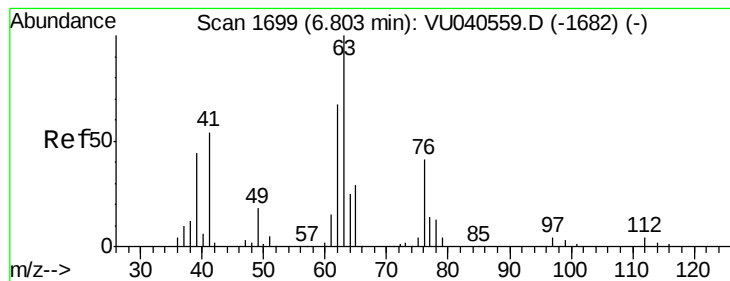


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 9.836 ug/L

RT: 6.80 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VU040560.D

Acq: 08 Oct 2020 14:09

Instrument :

MSVOA_U

ClientSampleId :

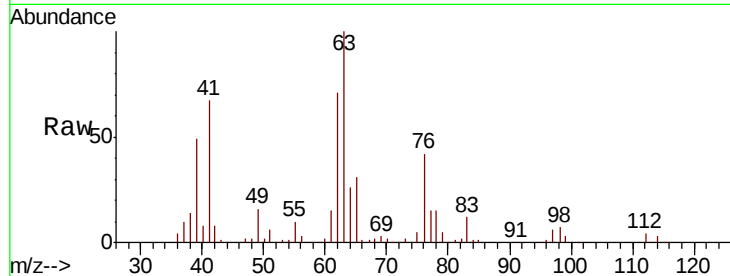
VSTD01002

Tot Ion: 63 Resp: 134584

Ion Ratio Lower Upper

63 100

112 4.0 3.5 5.3



Abundance Ion 63.10 (62.80 to 63.80): VU040559.D (-1682) (-)

Ion 112.10 (111.80 to 112.80): VU040559.D (-1682) (-)

6.80

80000

60000

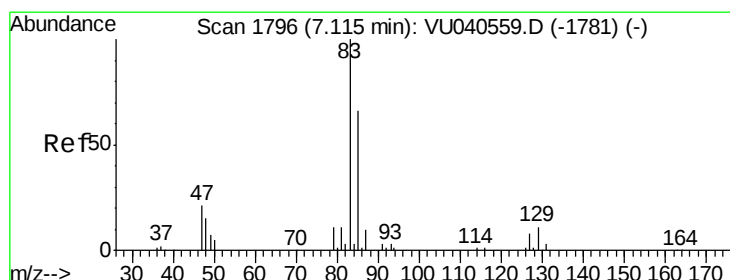
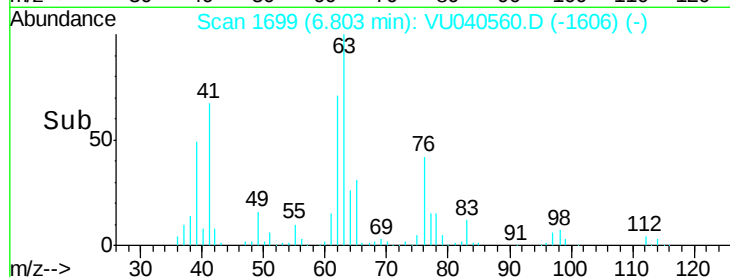
40000

20000

0

Time-->

6.70 6.75 6.80 6.85 6.90



#38

Bromodichloromethane

Concen: 10.249 ug/L

RT: 7.12 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VU040560.D

Acq: 08 Oct 2020 14:09

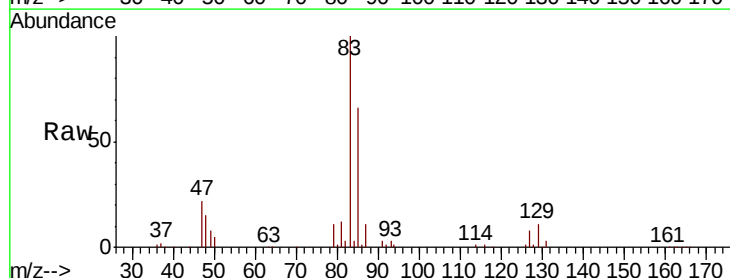
Tgt Ion: 83 Resp: 172265

Ion Ratio Lower Upper

83 100

85 65.9 46.0 85.4

127 8.0 6.7 10.1



Abundance Ion 82.95 (82.65 to 83.65): VU040559.D (-1781) (-)

Ion 85.00 (84.70 to 85.70): VU040559.D (-1781) (-)

Ion 126.90 (126.60 to 127.60): VU040559.D (-1781) (-)

7.12

120000

100000

80000

60000

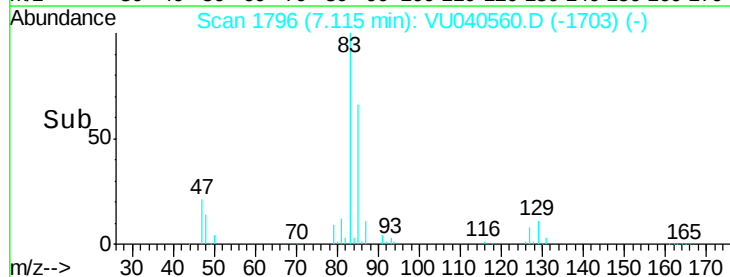
40000

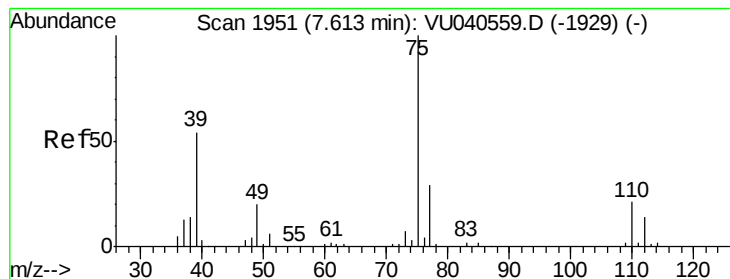
20000

0

Time-->

7.05 7.10 7.15 7.20



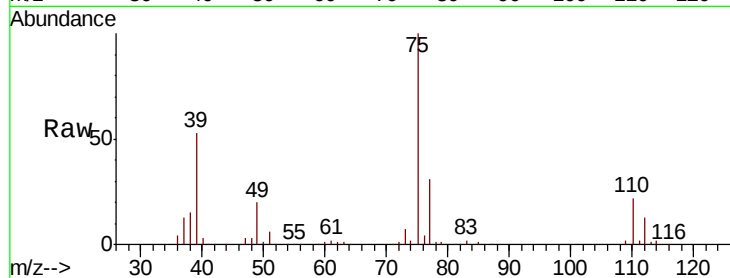


#39

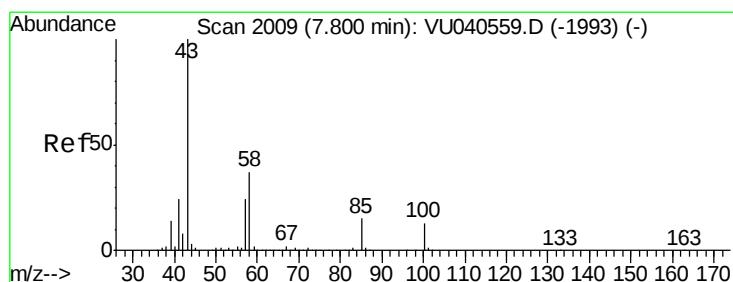
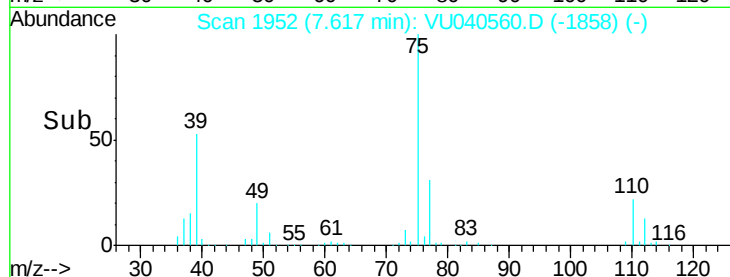
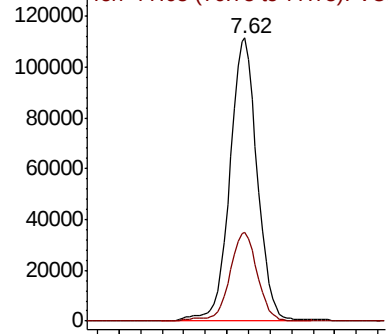
cis-1,3-Dichloropropene
 Concen: 10.739 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU040560.D
 Acq: 08 Oct 2020 14:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01002

Tot Ion: 75 Resp: 196005
 Ion Ratio Lower Upper
 75 100
 77 31.2 20.5 38.1



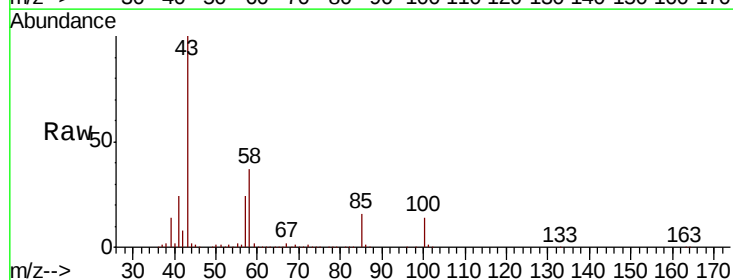
Abundance Ion 75.05 (74.75 to 75.75): VU0
 Ion 77.05 (76.75 to 77.75): VU0



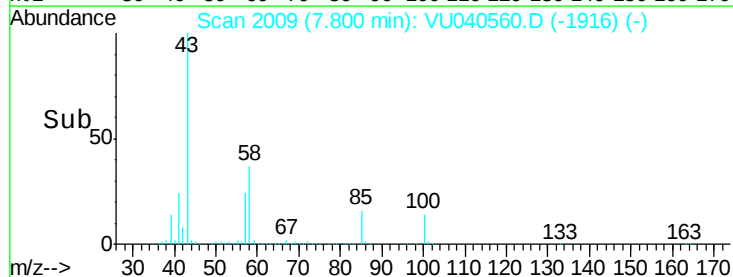
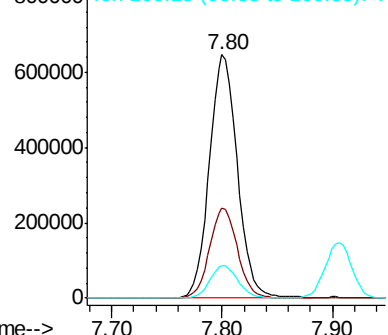
#40

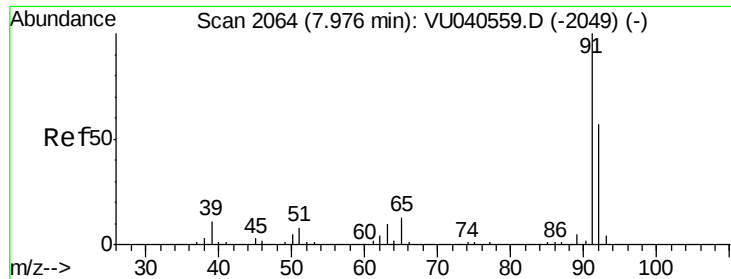
4-Methyl-2-pentanone
 Concen: 106.795 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU040560.D
 Acq: 08 Oct 2020 14:09

Tgt Ion: 43 Resp: 1138887
 Ion Ratio Lower Upper
 43 100
 58 37.0 29.7 44.5
 100 13.5 10.7 16.1



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





#42

Toluene

Concen: 10.301 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040560.D

Acq: 08 Oct 2020 14:09

Instrument :

MSVOA_U

ClientSampleId :

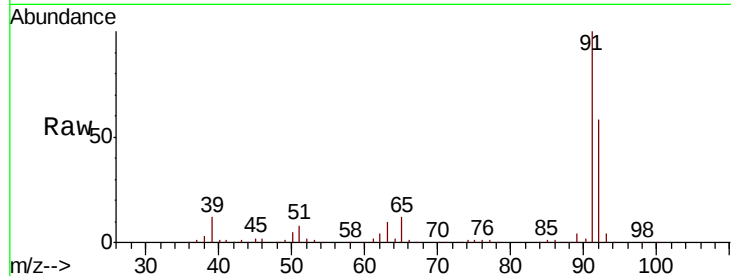
VSTD01002

Tot Ion: 91 Resp: 513835

Ion Ratio Lower Upper

91 100

92 58.4 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VU040559.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU040559.D (-2049) (-)

7.98

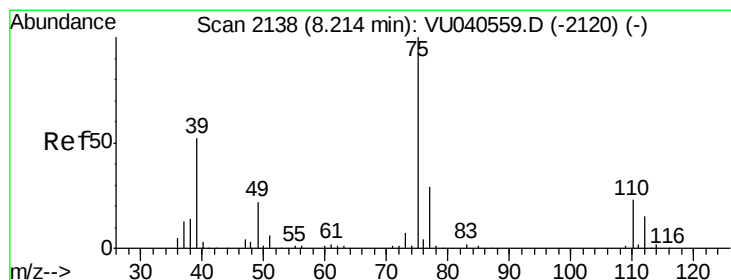
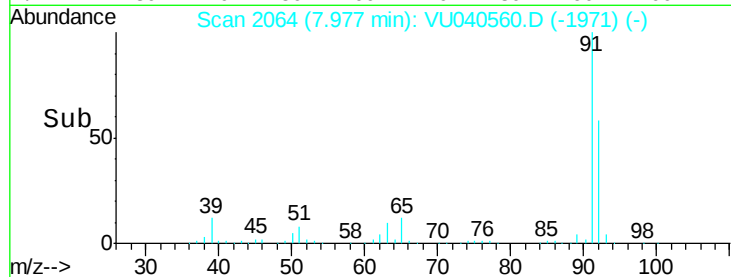
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 10.567 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU040560.D

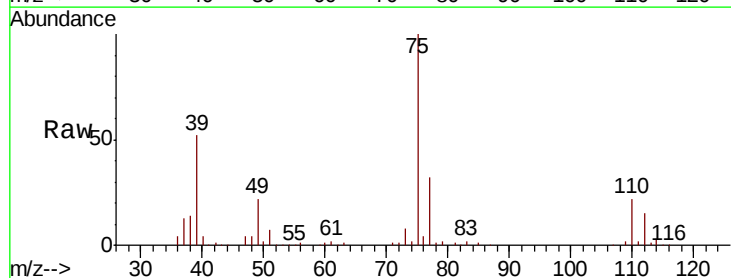
Acq: 08 Oct 2020 14:09

Tgt Ion: 75 Resp: 178897

Ion Ratio Lower Upper

75 100

77 32.2 20.4 38.0



Abundance Ion 75.05 (74.75 to 75.75): VU040559.D (-2120) (-)

Ion 77.05 (76.75 to 77.75): VU040559.D (-2120) (-)

8.21

120000

100000

80000

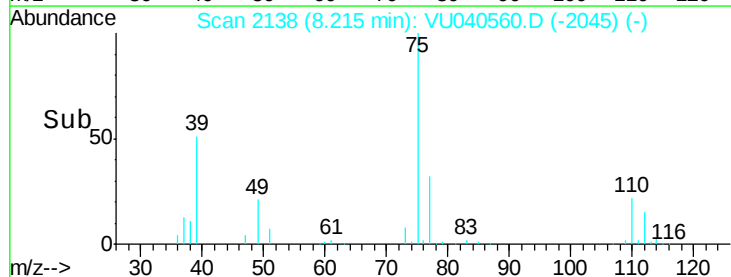
60000

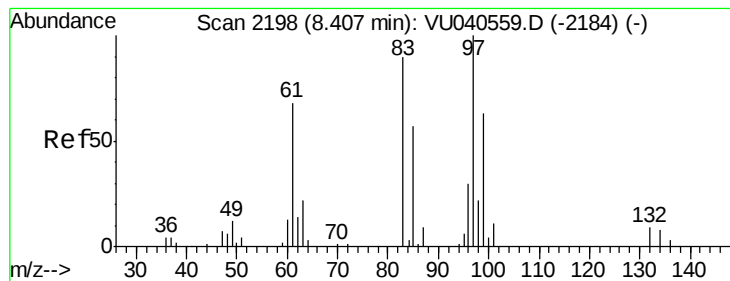
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 10.182 ug/L

RT: 8.40 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VU040560.D

Acq: 08 Oct 2020 14:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD01002

Tot Ion: 97 Resp: 97796

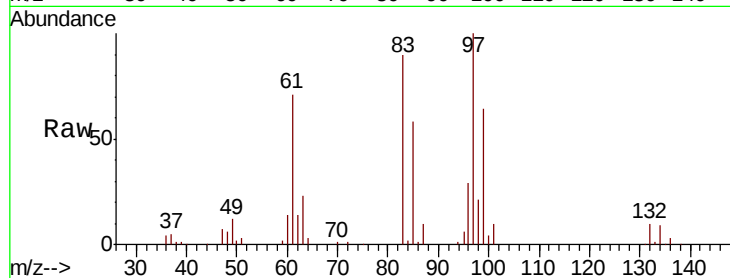
Ion Ratio Lower Upper

97 100

99 64.2 44.0 81.6

83 89.7 62.9 116.9

85 57.8 40.3 74.8

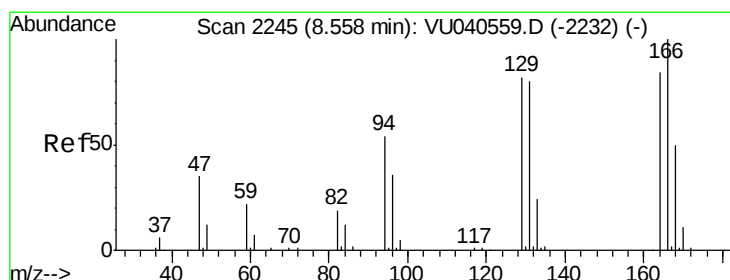
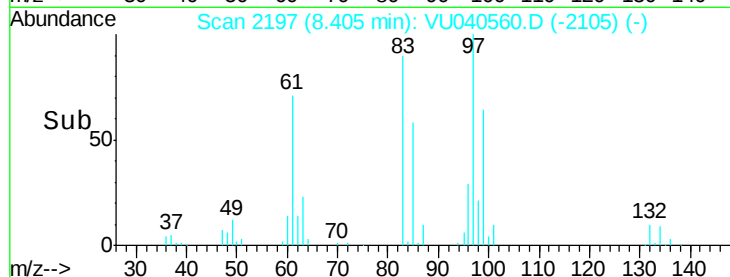
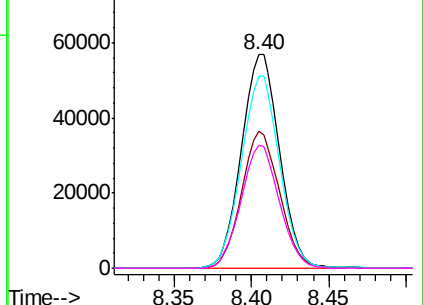


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 10.050 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU040560.D

Acq: 08 Oct 2020 14:09

Tgt Ion: 164 Resp: 92775

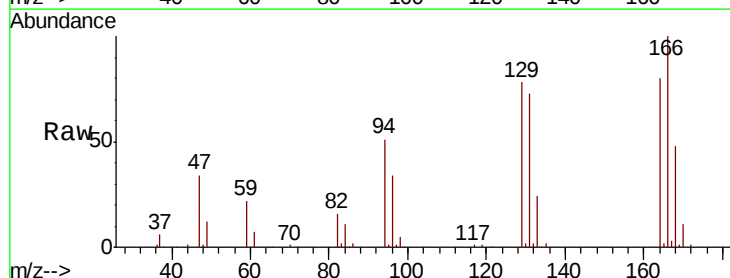
Ion Ratio Lower Upper

164 100

129 97.8 68.8 127.8

131 91.3 66.7 123.9

166 125.5 83.9 155.7

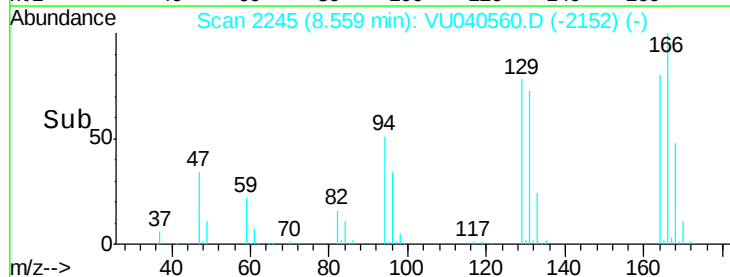
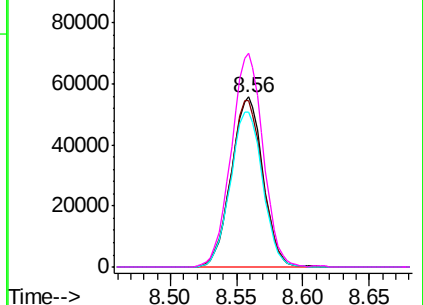


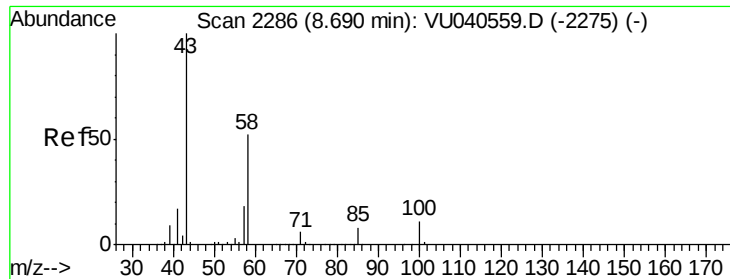
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

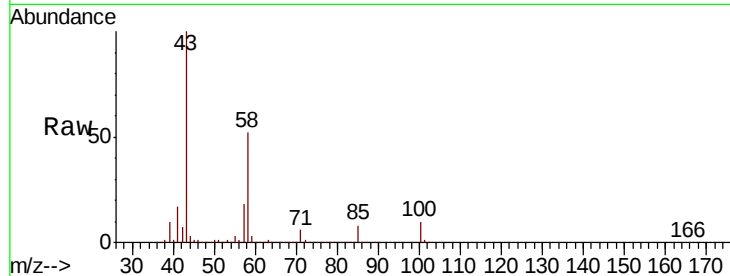




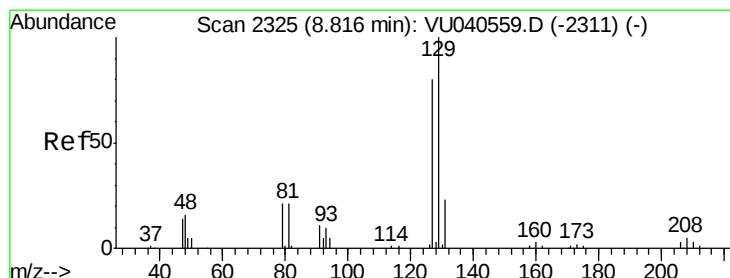
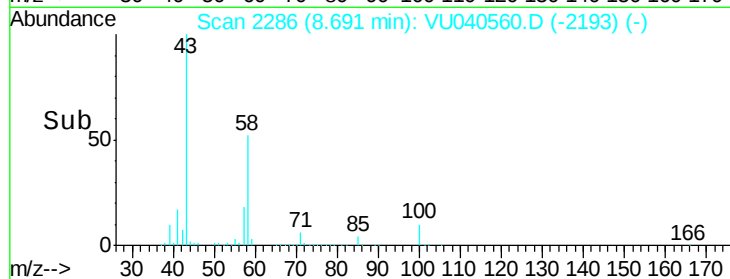
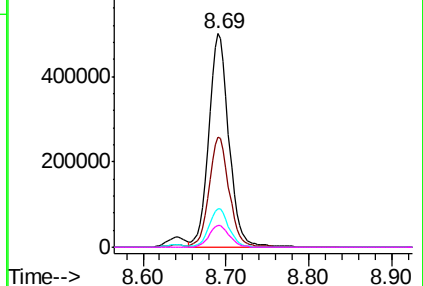
#48
2-Hexanone
Concen: 107.614 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU040560.D
Acq: 08 Oct 2020 14:09

Instrument :
MSVOA_U
ClientSampleId :
VSTD01002

Tot Ion: 43 Resp: 851072
Ion Ratio Lower Upper
43 100
58 51.2 41.0 61.6
57 18.1 14.4 21.6
100 10.3 8.6 13.0

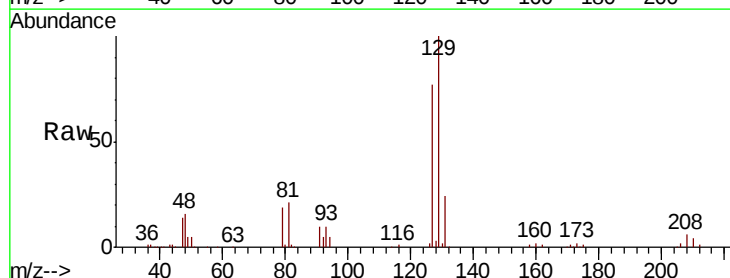


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

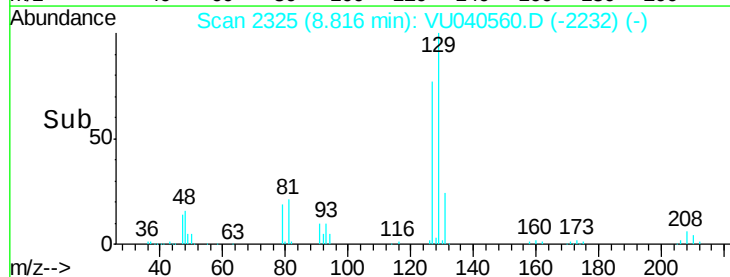
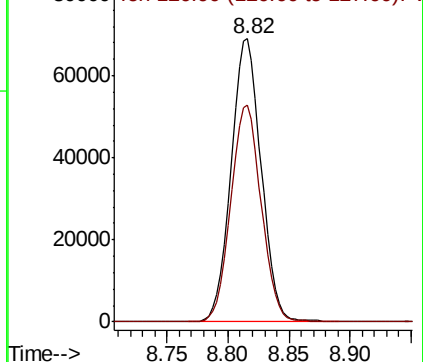


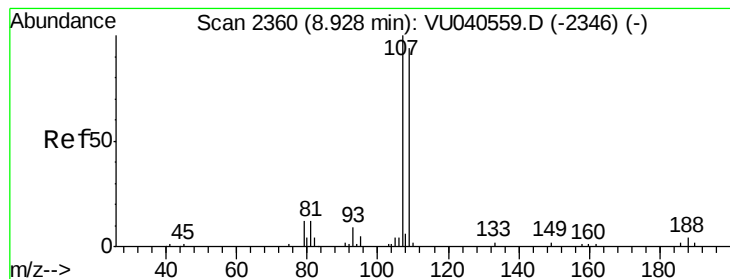
#49
Dibromochloromethane
Concen: 10.536 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU040560.D
Acq: 08 Oct 2020 14:09

Tgt Ion: 129 Resp: 118284
Ion Ratio Lower Upper
129 100
127 76.8 55.8 103.6



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





#50

1,2-Dibromoethane

Concen: 10.410 ug/L

RT: 8.93 min Scan# 2360

Delta R.T. 0.00 min

Lab File: VU040560.D

Acq: 08 Oct 2020 14:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD01002

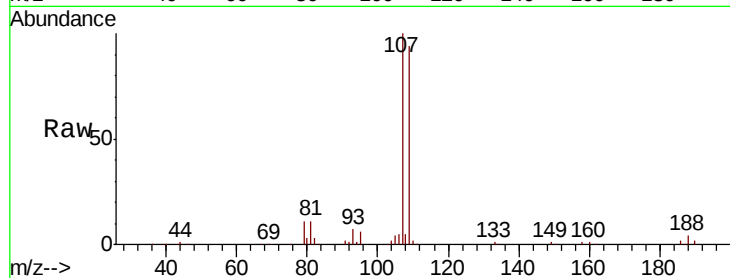
Tot Ion:107 Resp: 94881

Ion Ratio Lower Upper

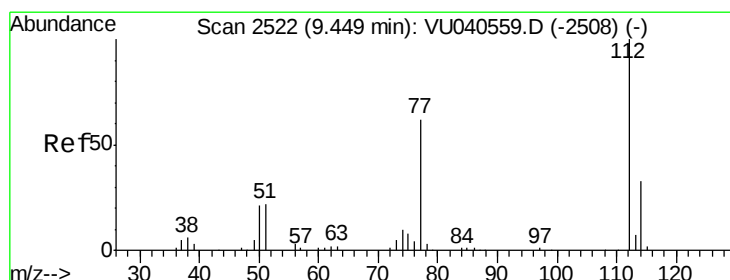
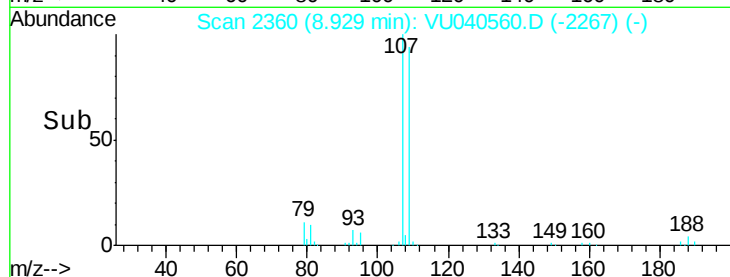
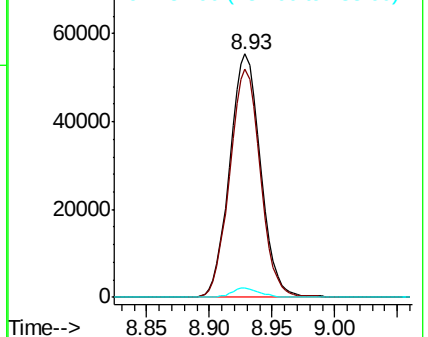
107 100

109 93.5 65.7 121.9

188 3.8 3.0 4.4



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



#51

Chlorobenzene

Concen: 10.132 ug/L

RT: 9.45 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VU040560.D

Acq: 08 Oct 2020 14:09

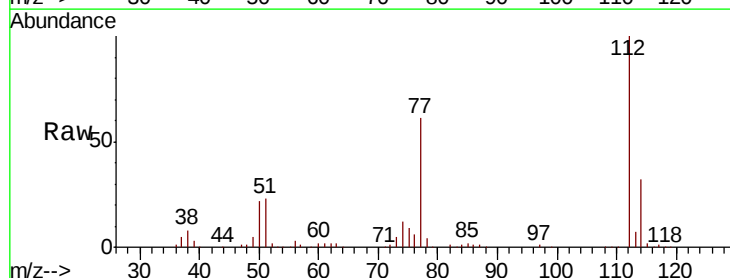
Tgt Ion:112 Resp: 326297

Ion Ratio Lower Upper

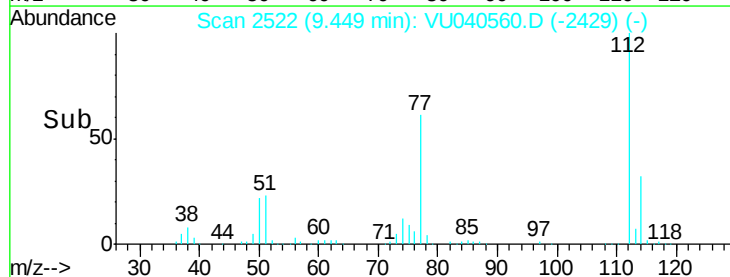
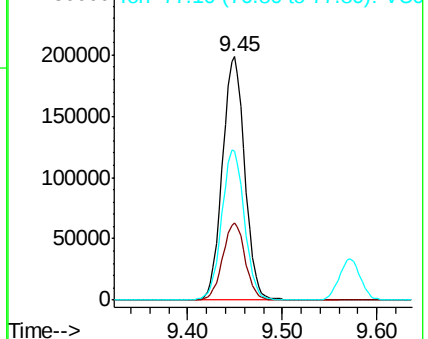
112 100

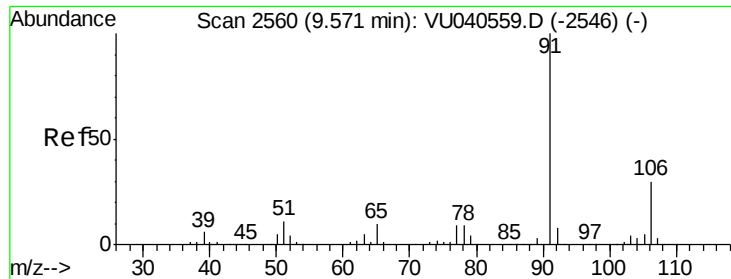
114 31.7 23.1 42.9

77 61.4 50.3 75.5



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 10.598 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU040560.D

Acq: 08 Oct 2020 14:09

Instrument :

MSVOA_U

ClientSampleId :

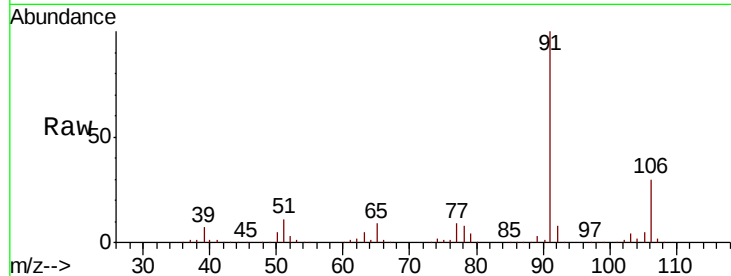
VSTD01002

Tot Ion: 91 Resp: 573341

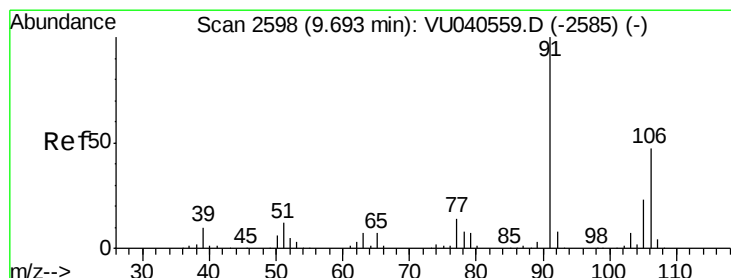
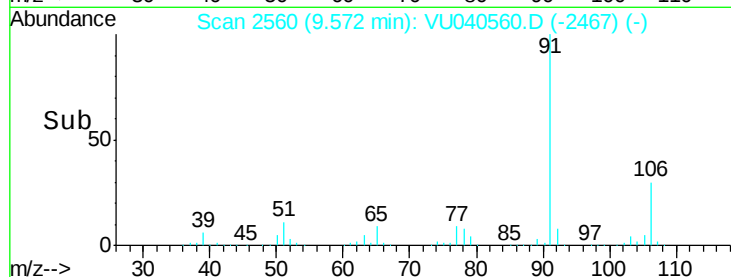
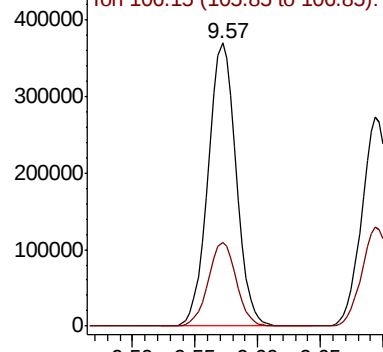
Ion Ratio Lower Upper

91 100

106 29.6 20.7 38.5



Abundance Ion 91.15 (90.85 to 91.85): VU040559.D (-2546) (-)



#53

m,p-Xylene

Concen: 10.615 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU040560.D

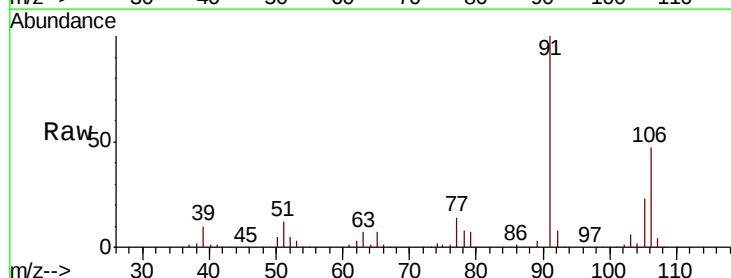
Acq: 08 Oct 2020 14:09

Tgt Ion: 106 Resp: 213954

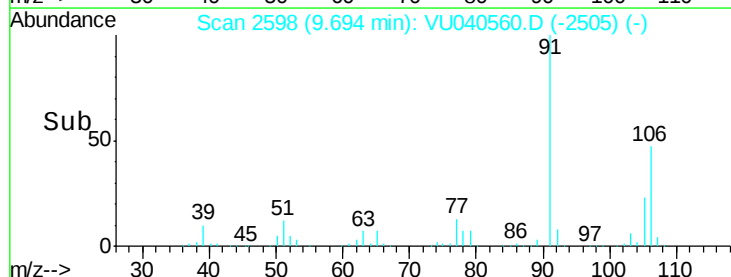
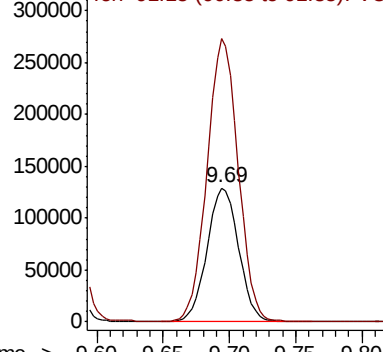
Ion Ratio Lower Upper

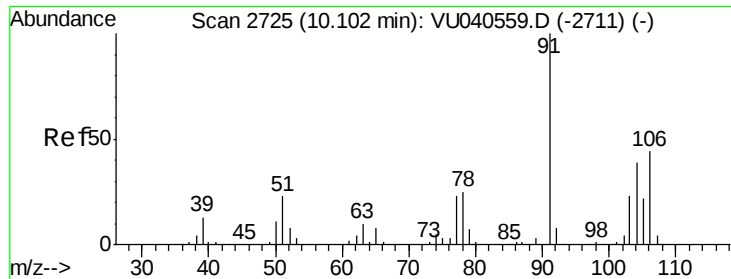
106 100

91 211.3 148.5 275.7



Abundance Ion 106.15 (105.85 to 106.85): VU040559.D (-2585) (-)





#54

o-Xylene

Concen: 10.922 ug/L

RT: 10.10 min Scan# 2724

Delta R.T. -0.00 min

Lab File: VU040560.D

Acq: 08 Oct 2020 14:09

Instrument :

MSVOA_U

ClientSampleId :

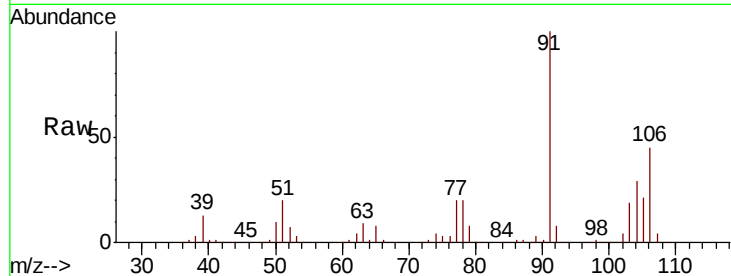
VSTD01002

Tot Ion:106 Resp: 206973

Ion Ratio Lower Upper

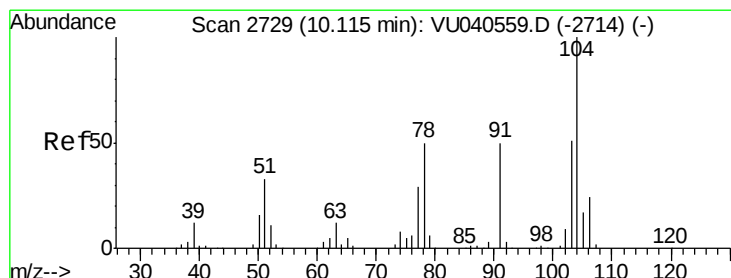
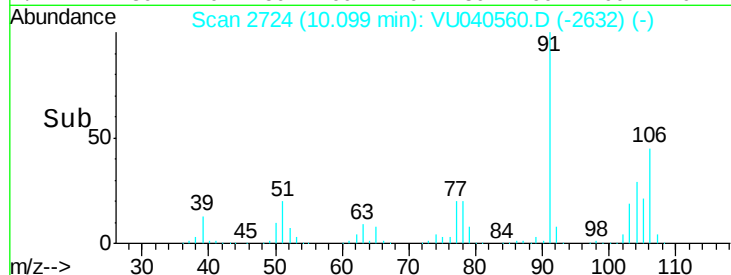
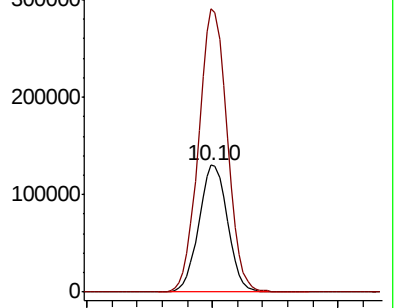
106 100

91 223.3 160.2 297.4



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 11.099 ug/L

RT: 10.12 min Scan# 2729

Delta R.T. 0.00 min

Lab File: VU040560.D

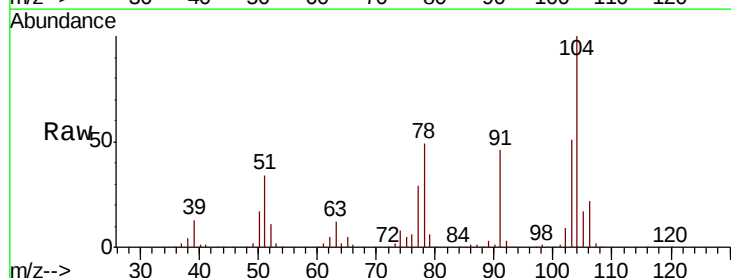
Acq: 08 Oct 2020 14:09

Tgt Ion:104 Resp: 366530

Ion Ratio Lower Upper

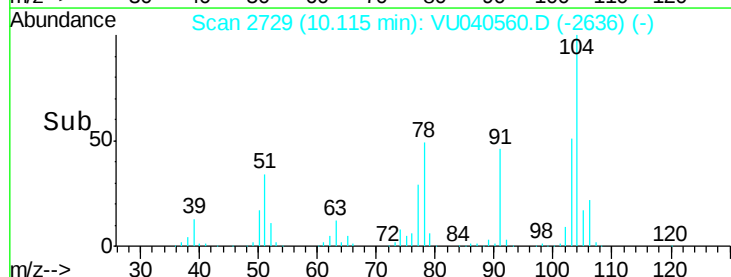
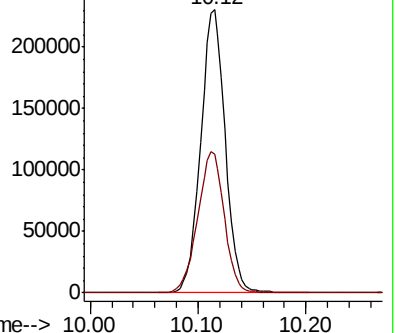
104 100

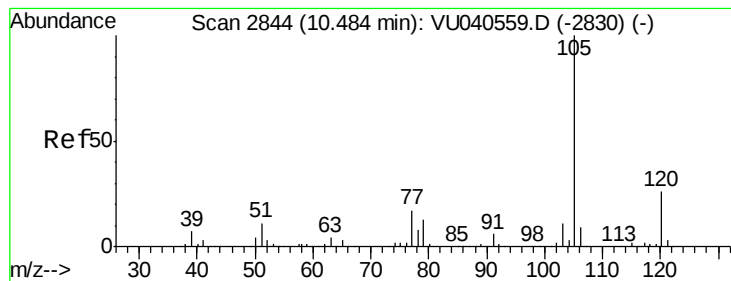
78 49.1 34.6 64.3



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 10.881 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU040560.D

Acq: 08 Oct 2020 14:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD01002

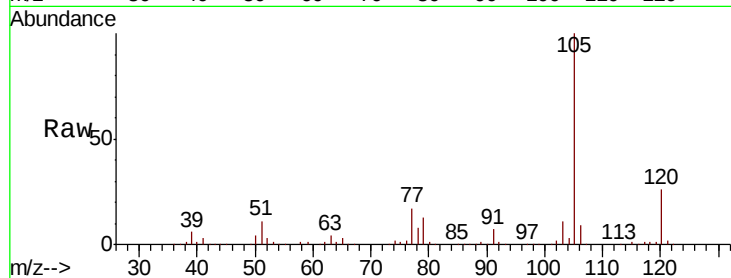
Tot Ion:105 Resp: 556357

Ion Ratio Lower Upper

105 100

120 25.9 20.6 30.8

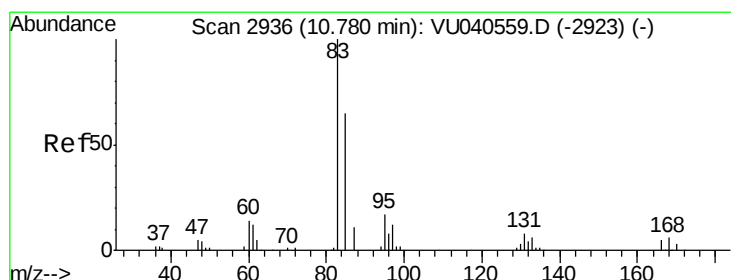
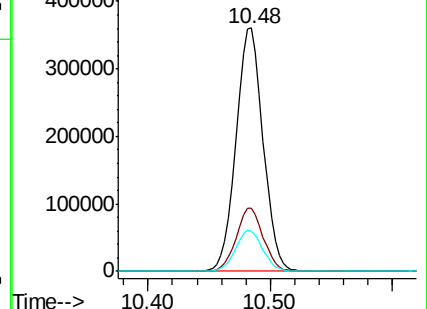
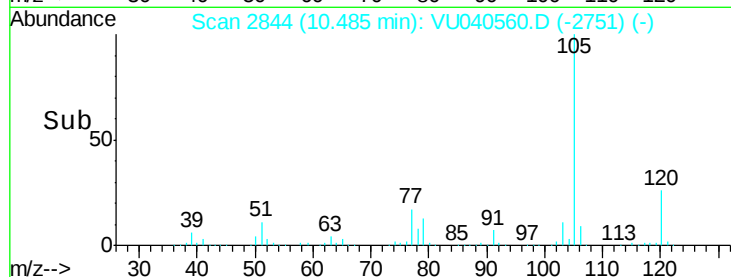
77 17.0 13.8 20.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 10.079 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU040560.D

Acq: 08 Oct 2020 14:09

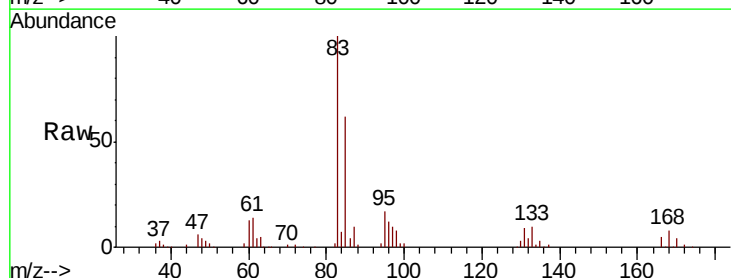
Tgt Ion: 83 Resp: 130214

Ion Ratio Lower Upper

83 100

85 62.2 45.6 84.6

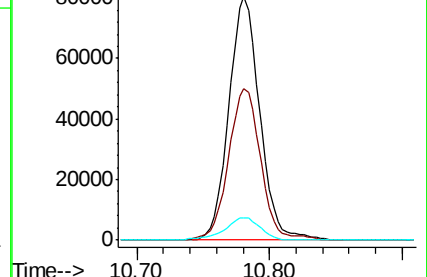
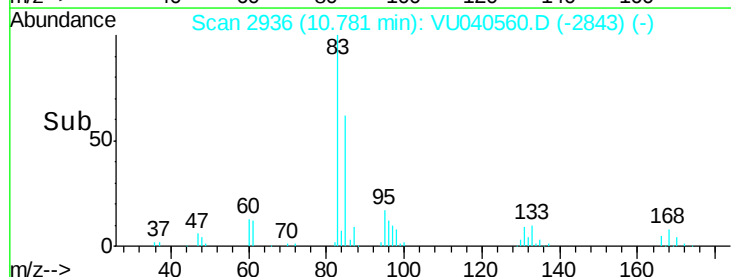
131 9.3 7.1 10.7

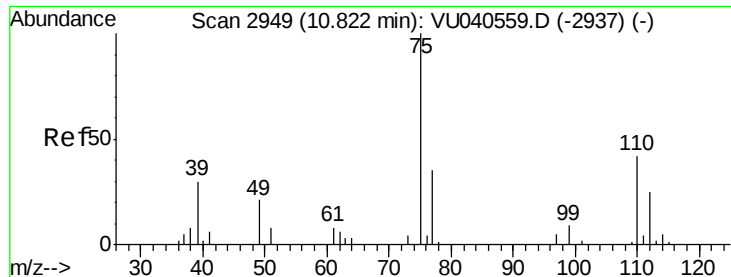


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 9.990 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU040560.D

Acq: 08 Oct 2020 14:09

Instrument :

MSVOA_U

ClientSampleId :

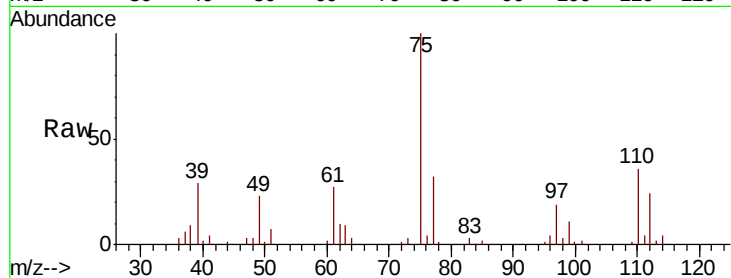
VSTD01002

Tot Ion: 75 Resp: 98159

Ion Ratio Lower Upper

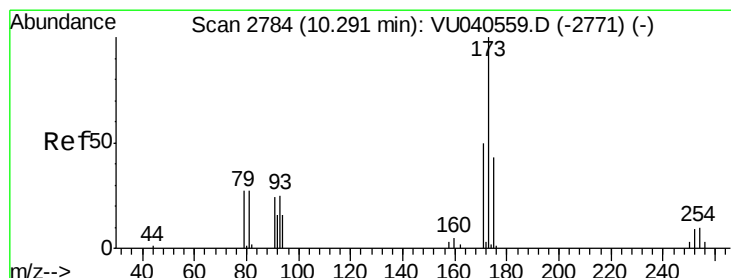
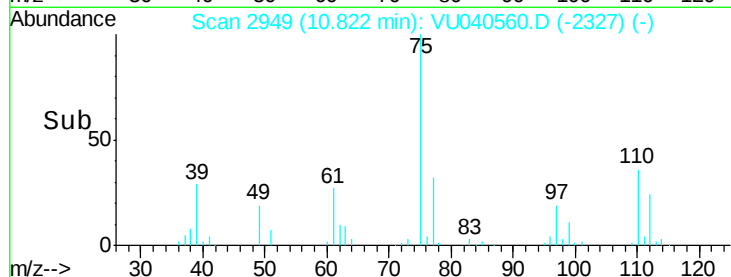
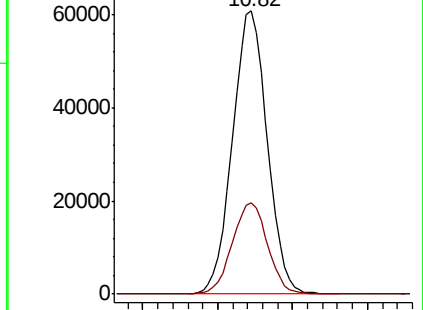
75 100

77 32.8 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VU040559.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU040559.D (-2937) (-)



#61

Bromoform

Concen: 10.199 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU040560.D

Acq: 08 Oct 2020 14:09

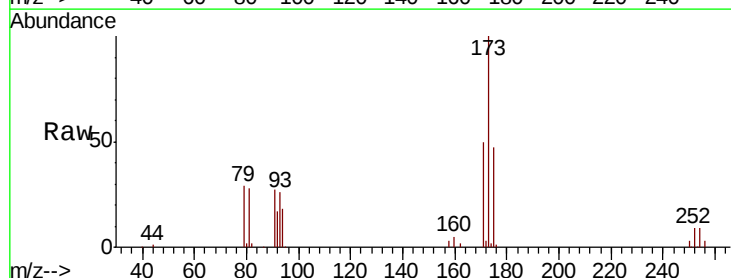
Tgt Ion: 173 Resp: 67272

Ion Ratio Lower Upper

173 100

175 48.4 37.4 56.0

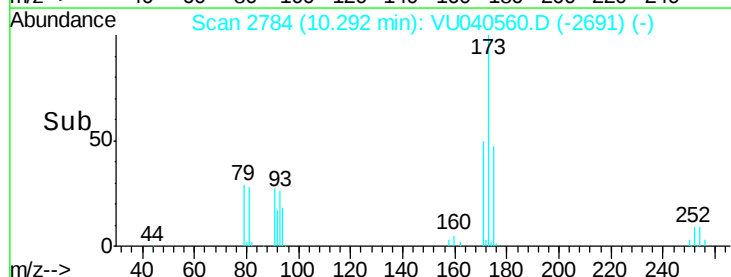
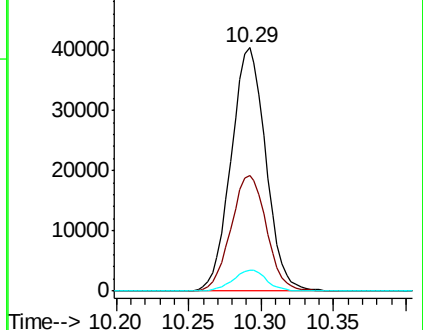
254 8.3 7.4 11.2

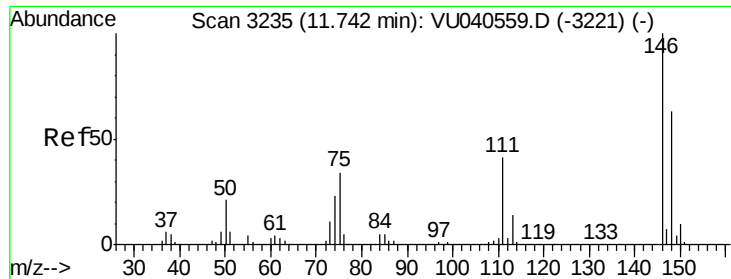


Abundance Ion 172.90 (172.60 to 173.60): VU040559.D (-2771) (-)

Ion 174.90 (174.60 to 175.60): VU040559.D (-2771) (-)

Ion 253.75 (253.45 to 254.45): VU040559.D (-2771) (-)

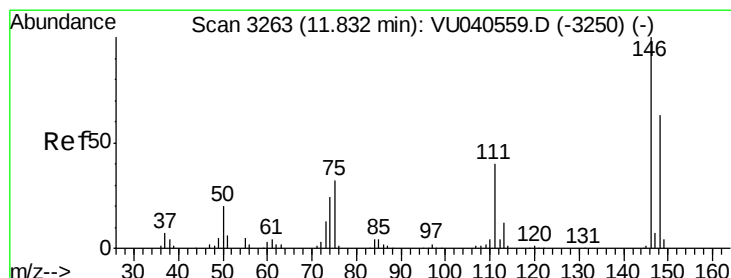
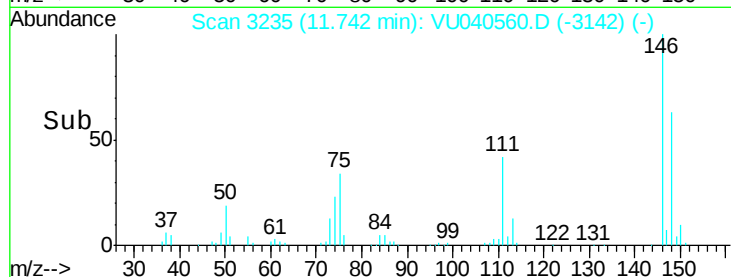
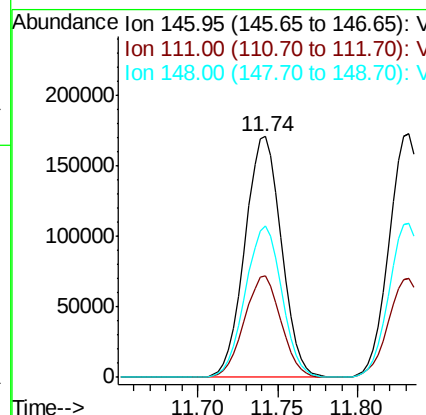
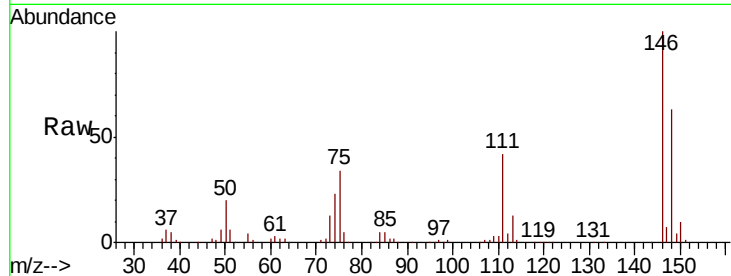




#62
 1,3-Dichlorobenzene
 Concen: 10.267 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU040560.D
 Acq: 08 Oct 2020 14:09

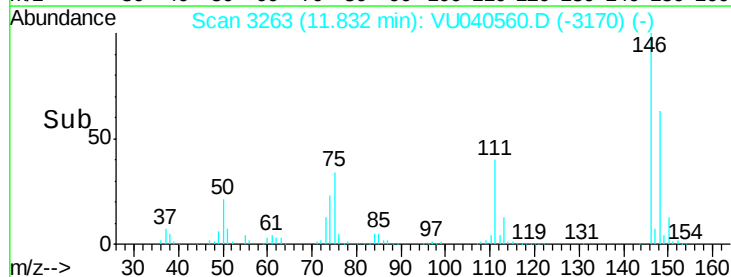
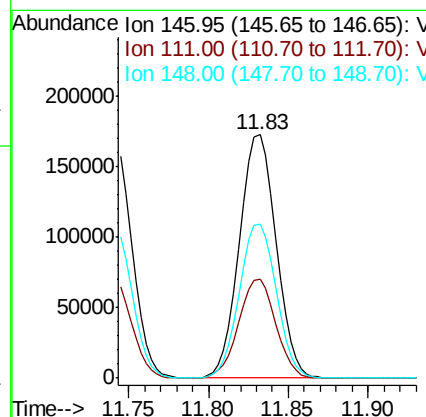
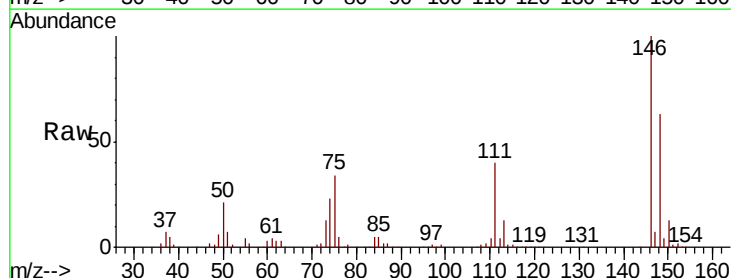
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01002

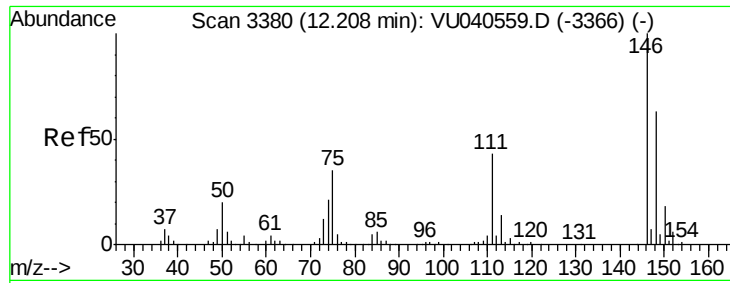
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	28.8	53.6
148	62.7	44.4	82.4



#63
 1,4-Dichlorobenzene
 Concen: 9.980 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU040560.D
 Acq: 08 Oct 2020 14:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	28.4	52.8
148	63.0	44.0	81.6





#65

1,2-Dichlorobenzene

Concen: 10.181 ug/L

RT: 12.21 min Scan# 3379

Delta R.T. -0.00 min

Lab File: VU040560.D

Acq: 08 Oct 2020 14:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD01002

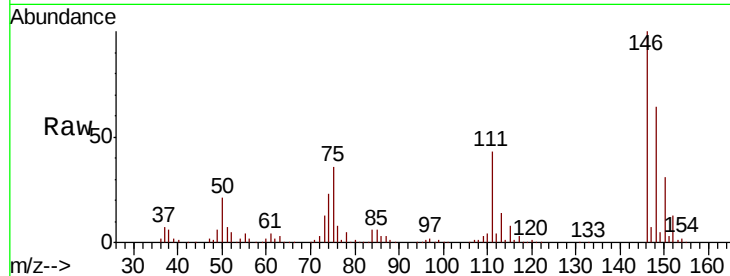
Tot Ion:146 Resp: 257224

Ion Ratio Lower Upper

146 100

111 42.9 34.4 51.6

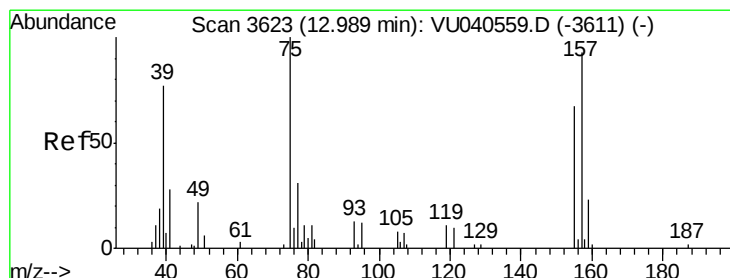
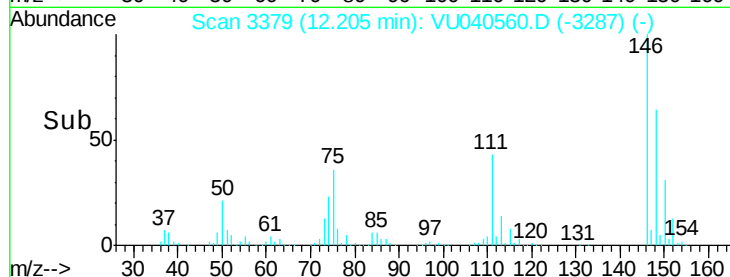
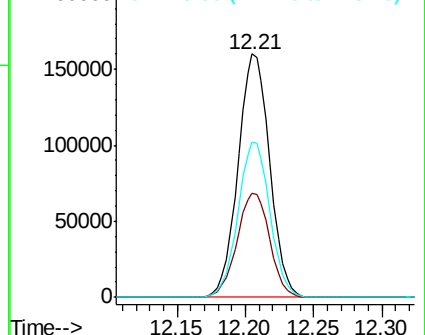
148 63.9 50.0 75.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 10.348 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. 0.00 min

Lab File: VU040560.D

Acq: 08 Oct 2020 14:09

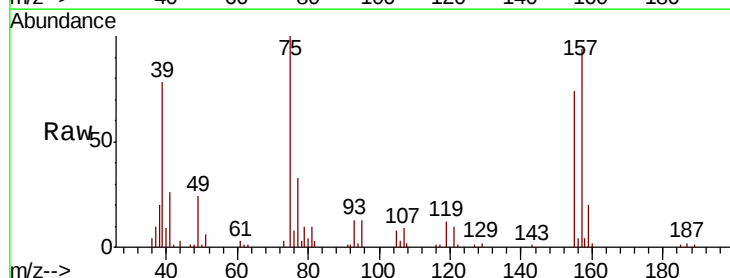
Tgt Ion: 75 Resp: 23694

Ion Ratio Lower Upper

75 100

155 74.4 53.8 80.6

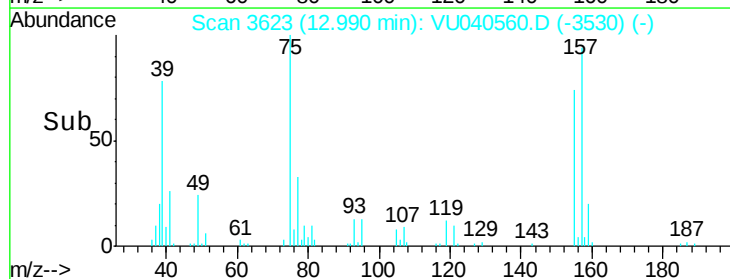
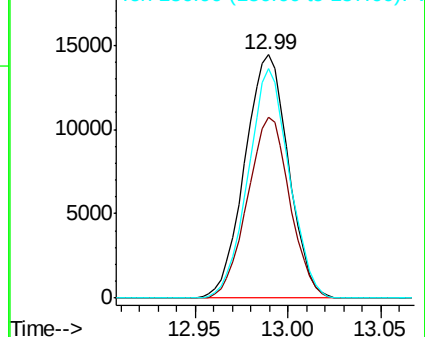
157 94.4 74.6 112.0

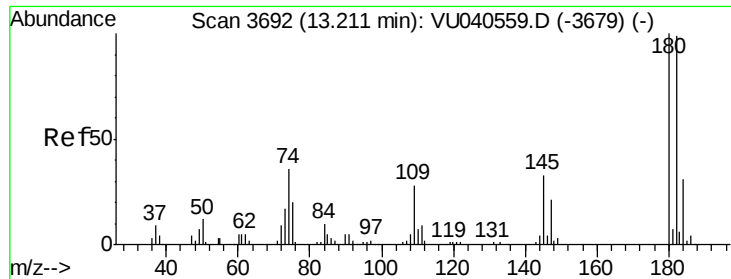


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

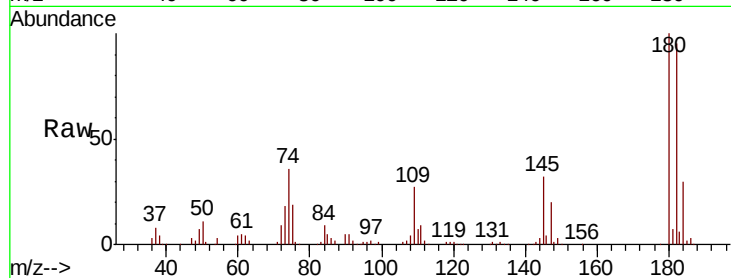




#67
 1,3,5-Trichlorobenzene
 Concen: 10.311 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU040560.D
 Acq: 08 Oct 2020 14:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01002

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	77.0	115.4
184	30.5	24.5	36.7
145	32.1	25.9	38.9



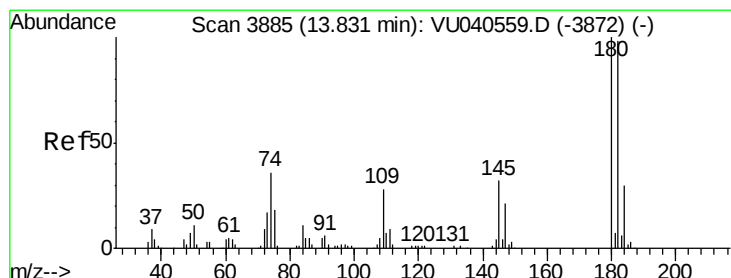
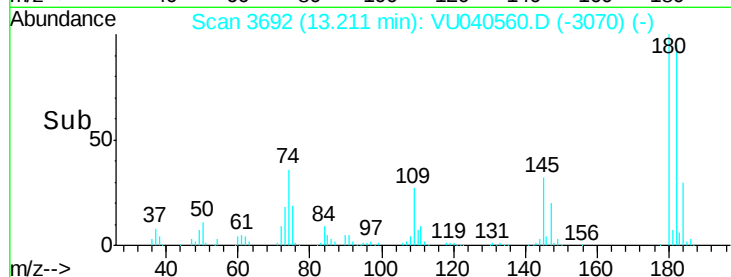
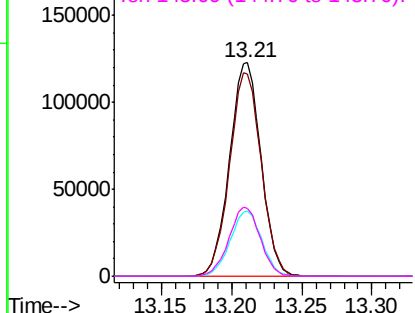
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

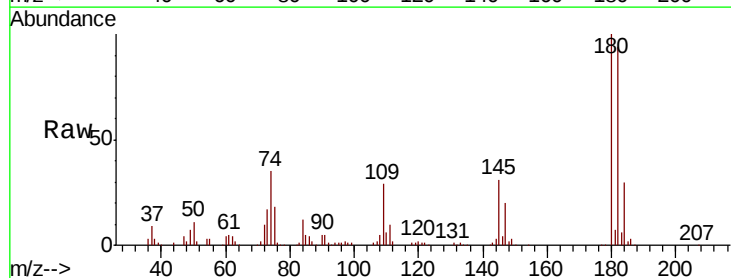
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 11.233 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU040560.D
 Acq: 08 Oct 2020 14:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.4	78.8	118.2
145	31.3	26.1	39.1

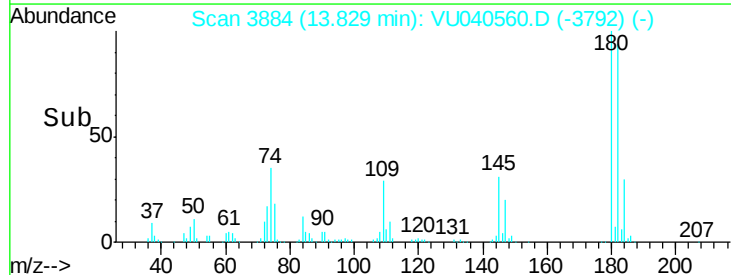
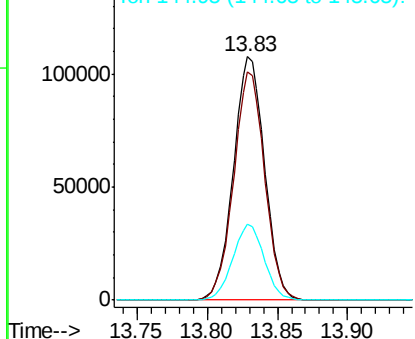


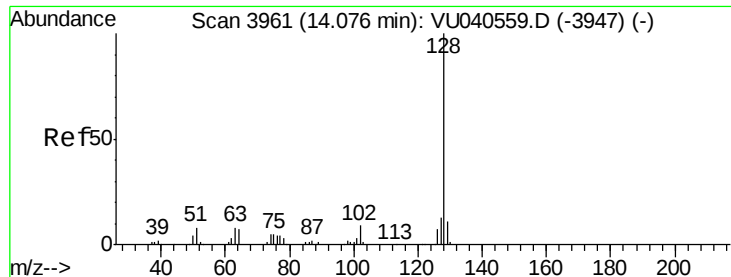
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 12.290 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU040560.D

Acq: 08 Oct 2020 14:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD01002

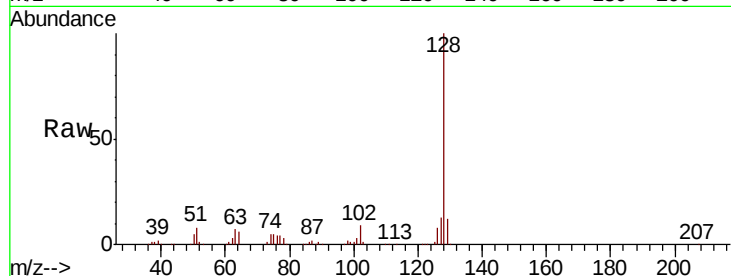
Tot Ion:128 Resp: 308883

Ion Ratio Lower Upper

128 100

129 11.2 9.0 13.4

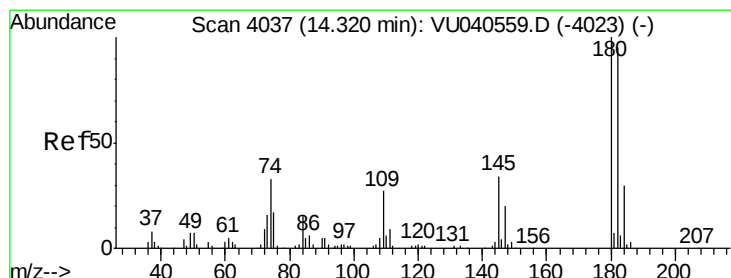
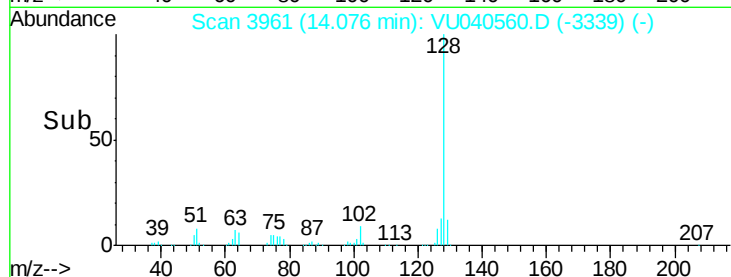
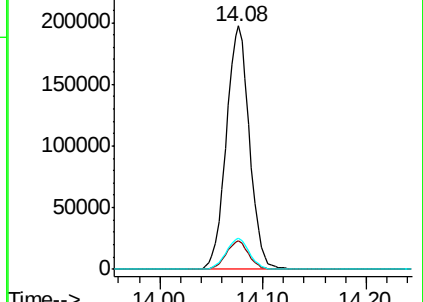
127 12.9 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 11.223 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. -0.00 min

Lab File: VU040560.D

Acq: 08 Oct 2020 14:09

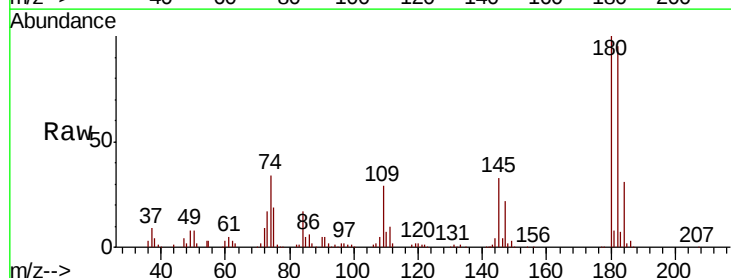
Tgt Ion:180 Resp: 153294

Ion Ratio Lower Upper

180 100

182 95.0 75.8 113.8

145 33.5 27.4 41.2



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

