

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU083120\
 Data File : VU039999.D
 Acq On : 31 Aug 2020 10:37
 Operator : SY/MD
 Sample : VSTD00505
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00505

Quant Time: Aug 31 17:58:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Aug 31 17:55:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	128513	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	126829	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	61894	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	36318	3.45	ug/L	0.00
7) Chloroethane-d5	1.92	69	30871	3.55	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	96189	4.53	ug/L	0.00
20) 2-Butanone-d5	4.66	46	154279	43.97	ug/L	0.00
24) Chloroform-d	5.08	84	85912	4.36	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	52661	4.41	ug/L	0.00
32) Benzene-d6	5.74	84	157348	4.26	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	50819	4.16	ug/L	0.00
41) Toluene-d8	7.91	98	138092	4.31	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	22625	4.38	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	116605	44.93	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.75	84	44606	4.13	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.19	152	48651	4.14	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	68798	5.162 ug/L	100
3) Chloromethane	1.53	50	64118	4.365 ug/L	100
5) Vinyl chloride	1.61	62	64465	4.653 ug/L	100
6) Bromomethane	1.87	94	33369	4.243 ug/L	100
8) Chloroethane	1.94	64	39761	4.438 ug/L	100
9) Trichlorofluoromethane	2.15	101	94954	4.559 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	60216	5.182 ug/L	100
12) 1,1-Dichloroethene	2.59	96	54018	4.876 ug/L	100
13) Acetone	2.67	43	147607	57.792 ug/L	100
14) Carbon disulfide	2.81	76	168739	4.740 ug/L	100
15) Methyl Acetate	2.97	43	32898	5.180 ug/L	100
16) Methylene chloride	3.06	84	62831	4.118 ug/L	100
17) Methyl tert-butyl Ether	3.38	73	158627	5.515 ug/L	100
18) trans-1,2-Dichloroethene	3.37	96	55996	4.865 ug/L	100
19) 1,1-Dichloroethane	3.89	63	116354	5.346 ug/L	100
21) 2-Butanone	4.74	43	235773	54.310 ug/L	100
22) cis-1,2-Dichloroethene	4.69	96	60565	4.994 ug/L	100
23) Bromochloromethane	5.00	128	27679	4.901 ug/L	100
25) Chloroform	5.11	83	120078	5.392 ug/L	100
27) 1,2-Dichloroethane	5.81	62	88879	5.630 ug/L	100
29) 1,1,1-Trichloroethane	5.33	97	104966	5.500 ug/L	100
30) Cyclohexane	5.41	56	101749	5.433 ug/L	100
31) Carbon tetrachloride	5.54	117	88180	5.271 ug/L	100
33) Benzene	5.79	78	239367	5.171 ug/L	100
34) Trichloroethene	6.56	95	63901	5.279 ug/L	100
35) Methylcyclohexane	6.77	83	97030	5.263 ug/L	100
37) 1,2-Dichloropropane	6.80	63	66447	5.343 ug/L	100
38) Bromodichloromethane	7.11	83	87443	5.495 ug/L	100
39) cis-1,3-Dichloropropene	7.62	75	98628	5.623 ug/L	100
40) 4-Methyl-2-pentanone	7.80	43	556672	55.805 ug/L	100

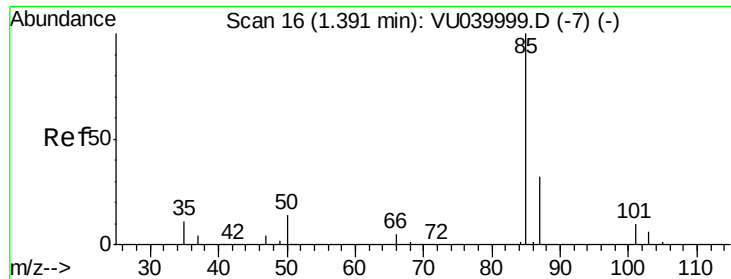
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU083120\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.98	91	252291	5.318	ug/L	100
44) trans-1,3-Dichloropropene	8.22	75	89683	5.413	ug/L	100
45) 1,1,2-Trichloroethane	8.40	97	49254	5.251	ug/L	100
47) Tetrachloroethene	8.56	164	41925	4.811	ug/L	100
48) 2-Hexanone	8.69	43	412642	57.392	ug/L	100
49) Dibromochloromethane	8.82	129	56628	5.084	ug/L	100
50) 1,2-Dibromoethane	8.93	107	46625	5.222	ug/L	100
51) Chlorobenzene	9.45	112	154272	5.035	ug/L	100
52) Ethylbenzene	9.57	91	283714	5.450	ug/L	100
53) m,p-Xylene	9.69	106	102910	5.237	ug/L	100
54) o-Xylene	10.10	106	100193	5.372	ug/L	100
55) Styrene	10.11	104	172865	5.358	ug/L	100
56) Isopropylbenzene	10.48	105	271106	5.400	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.78	83	59921	4.996	ug/L	100
59) 1,2,3-Trichloropropane	10.82	75	48978	5.445	ug/L	100
61) Bromoform	10.29	173	29263	5.330	ug/L	100
62) 1,3-Dichlorobenzene	11.74	146	116729	5.115	ug/L	100
63) 1,4-Dichlorobenzene	11.83	146	119804	5.147	ug/L	100
65) 1,2-Dichlorobenzene	12.21	146	113021	5.106	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.99	75	12373	6.434	ug/L	100
67) 1,3,5-Trichlorobenzene	13.21	180	81400	4.818	ug/L	100
68) 1,2,4-trichlorobenzene	13.83	180	72828	5.029	ug/L	100
69) Naphthalene	14.08	128	157176	5.695	ug/L	100
70) 1,2,3-Trichlorobenzene	14.32	180	66977	4.964	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 5.162 ug/L

RT: 1.39 min Scan# 16

Delta R.T. 0.00 min

Lab File: VU039999.D

Acq: 31 Aug 2020 10:37

Instrument :

MSVOA_U

ClientSampleId :

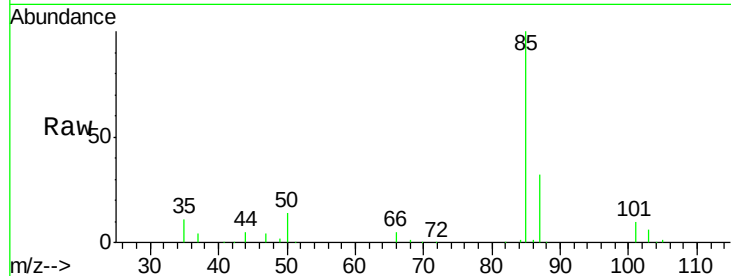
VSTD00505

Tgt Ion: 85 Resp: 68798

Ion Ratio Lower Upper

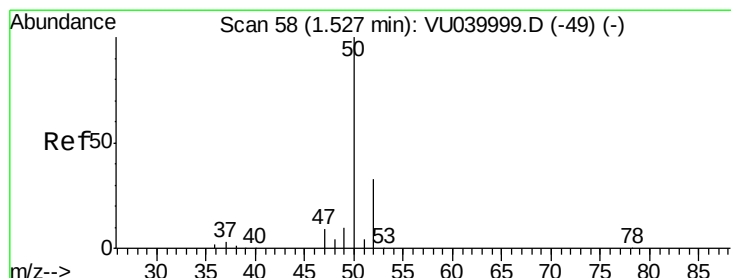
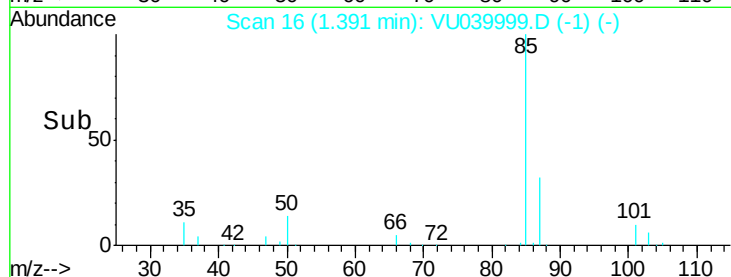
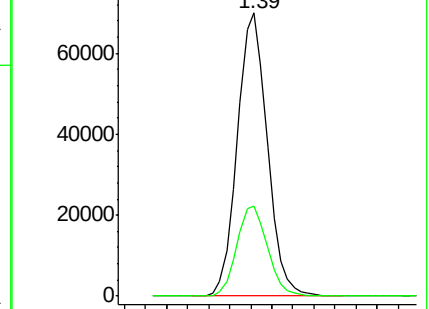
85 100

87 32.4 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU039999.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU039999.D (-7) (-)



#3

Chloromethane

Concen: 4.365 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU039999.D

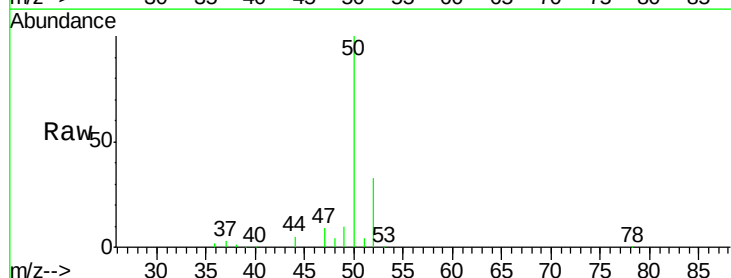
Acq: 31 Aug 2020 10:37

Tgt Ion: 50 Resp: 64118

Ion Ratio Lower Upper

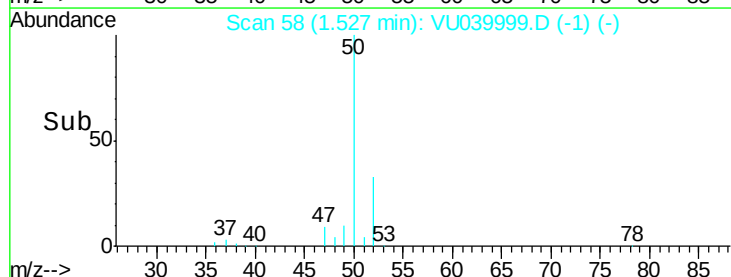
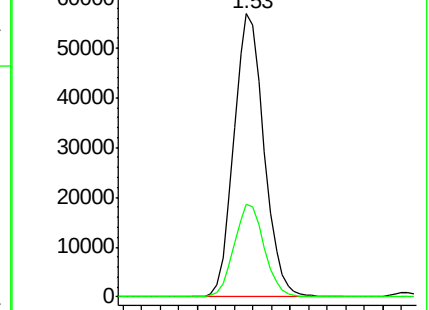
50 100

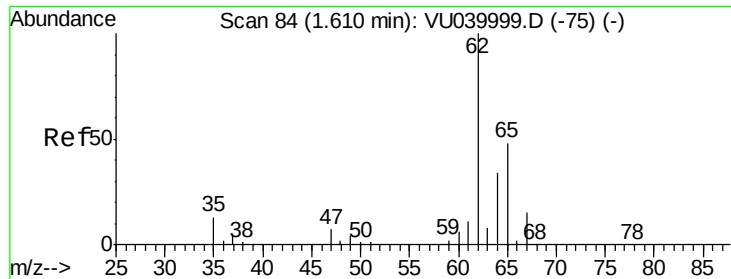
52 32.6 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VU039999.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU039999.D (-49) (-)





#5

Vinyl chloride

Concen: 4.653 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039999.D

Acq: 31 Aug 2020 10:37

Instrument :

MSVOA_U

ClientSampleId :

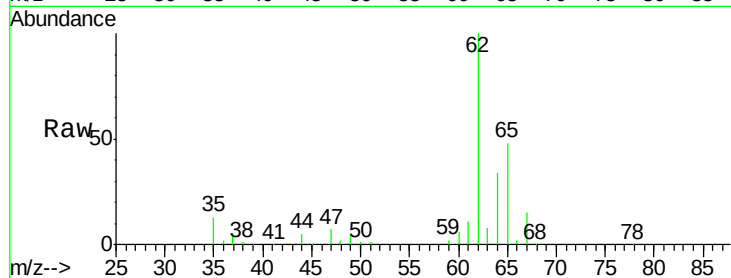
VSTD00505

Tgt Ion: 62 Resp: 64465

Ion Ratio Lower Upper

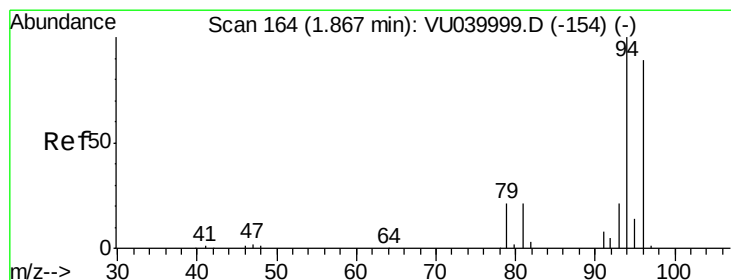
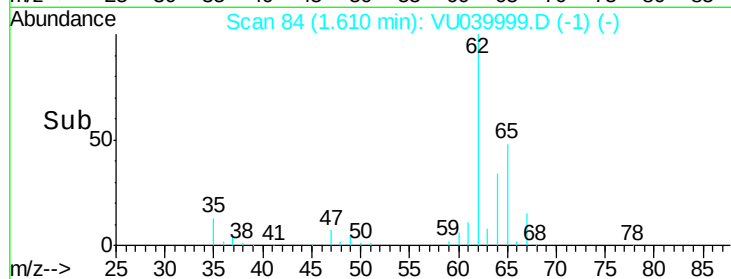
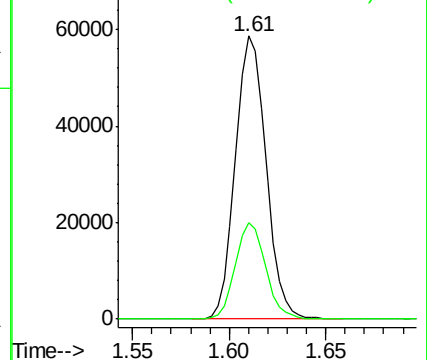
62 100

64 34.1 23.9 44.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 4.243 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU039999.D

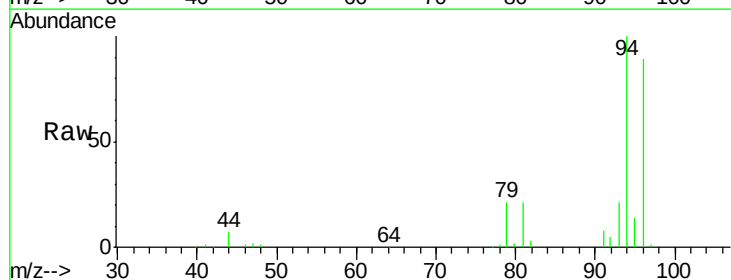
Acq: 31 Aug 2020 10:37

Tgt Ion: 94 Resp: 33369

Ion Ratio Lower Upper

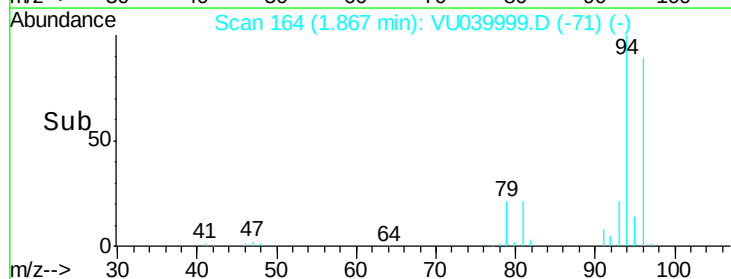
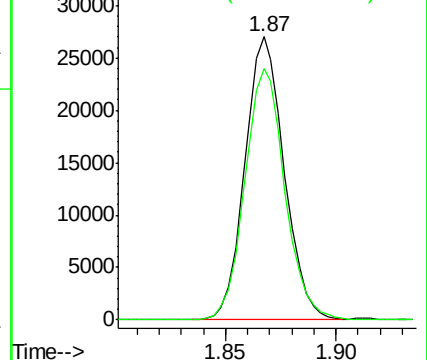
94 100

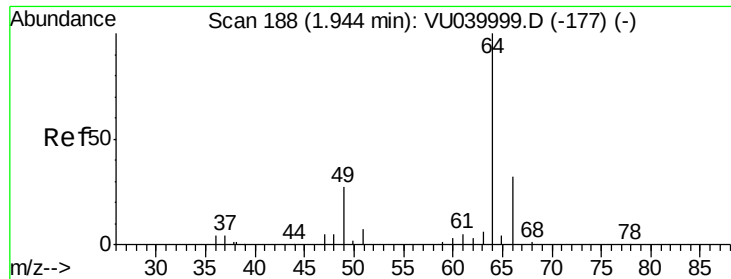
96 89.0 62.3 115.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

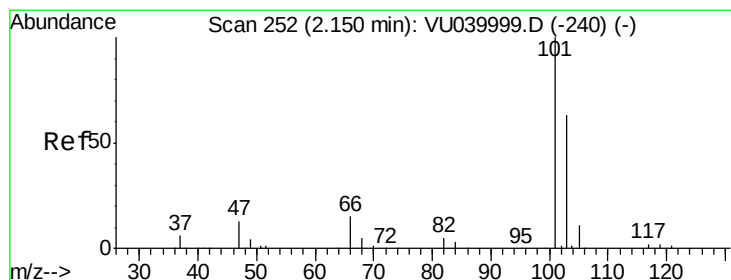
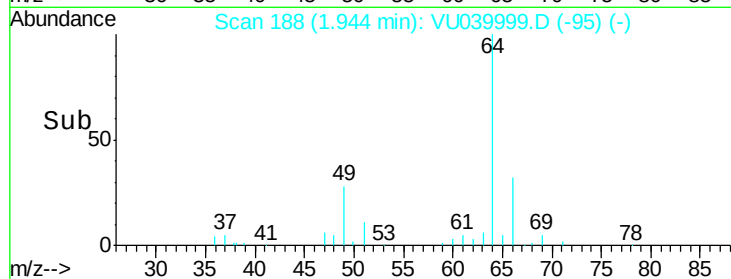
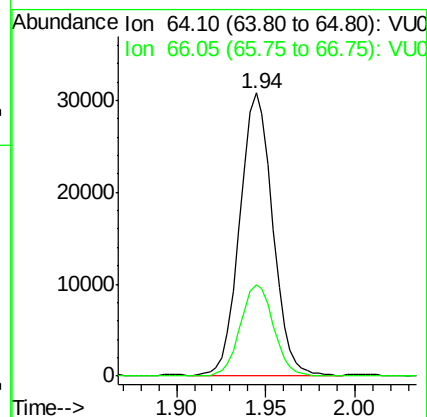
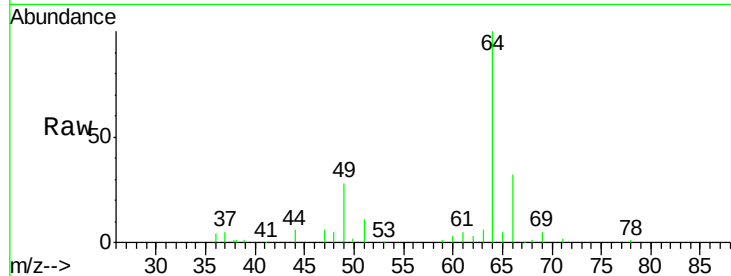




#8
Chloroethane
Concen: 4.438 ug/L
RT: 1.94 min Scan# 188
Delta R.T. 0.00 min
Lab File: VU039999.D
Acq: 31 Aug 2020 10:37

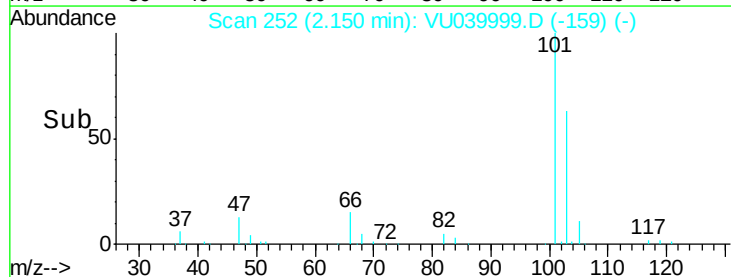
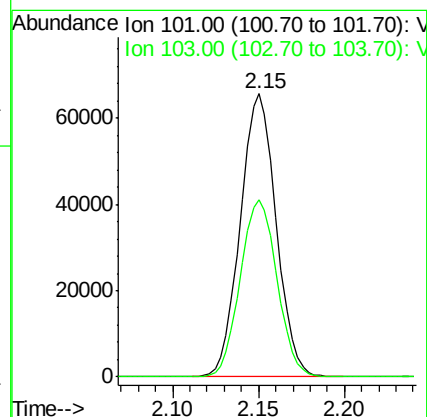
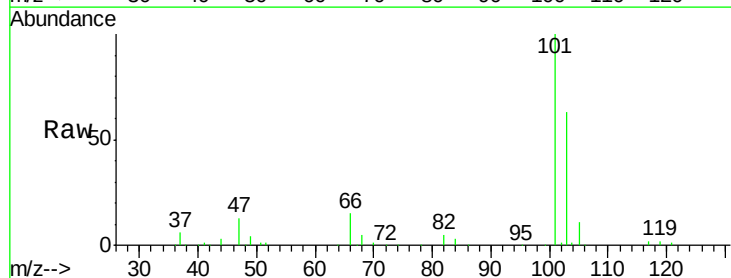
Instrument :
MSVOA_U
ClientSampleId :
VSTD00505

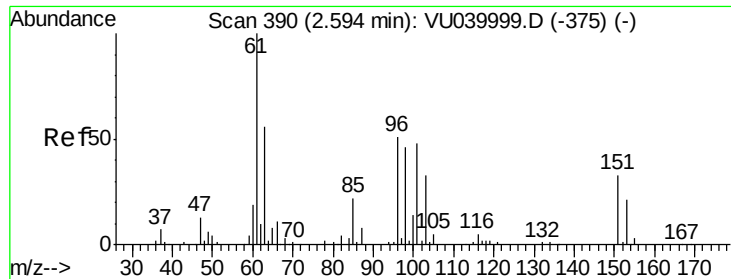
Tgt Ion: 64 Resp: 39761
Ion Ratio Lower Upper
64 100
66 32.4 22.7 42.1



#9
Trichlorofluoromethane
Concen: 4.559 ug/L
RT: 2.15 min Scan# 252
Delta R.T. 0.00 min
Lab File: VU039999.D
Acq: 31 Aug 2020 10:37

Tgt Ion: 101 Resp: 94954
Ion Ratio Lower Upper
101 100
103 64.1 51.3 76.9





#10

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

Concen: 5.182 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039999.D

Acq: 31 Aug 2020 10:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD00505

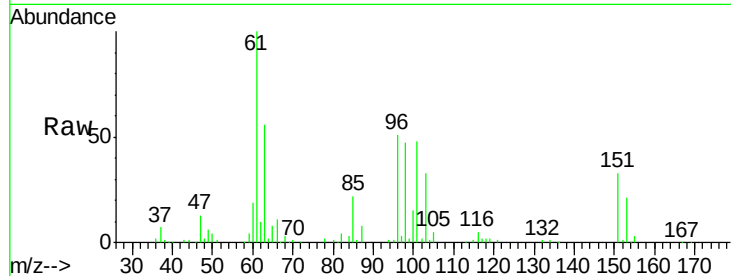
Tgt Ion: 101 Resp: 60216

Ion Ratio Lower Upper

101 100

85 47.1 37.7 56.5

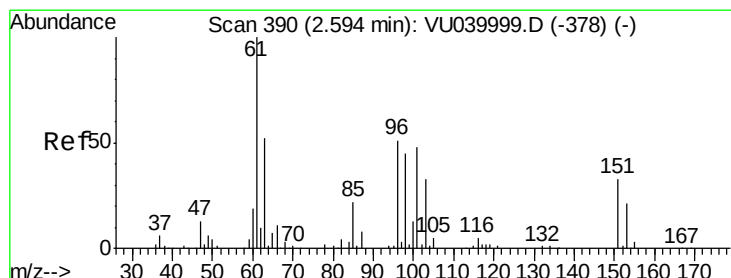
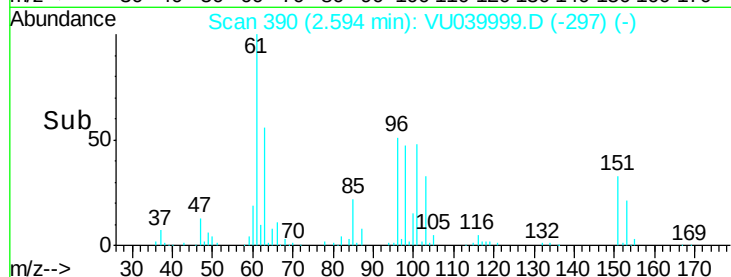
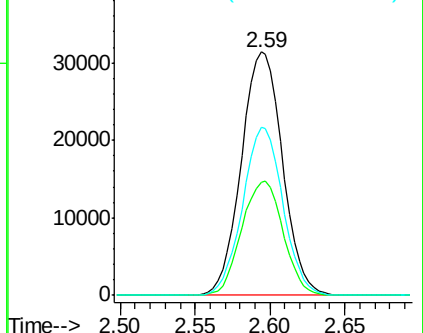
151 67.4 53.9 80.9



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: 4.876 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039999.D

Acq: 31 Aug 2020 10:37

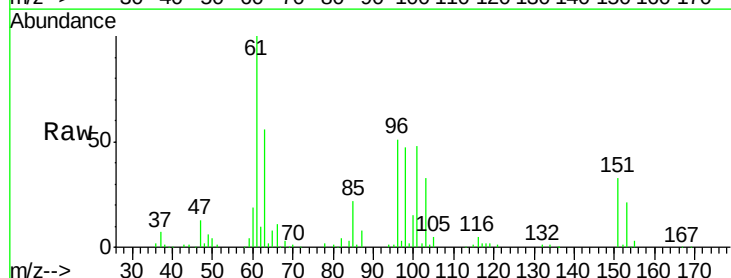
Tgt Ion: 96 Resp: 54018

Ion Ratio Lower Upper

96 100

61 197.5 138.3 256.8

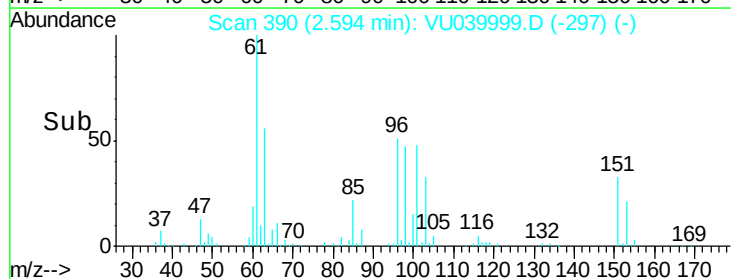
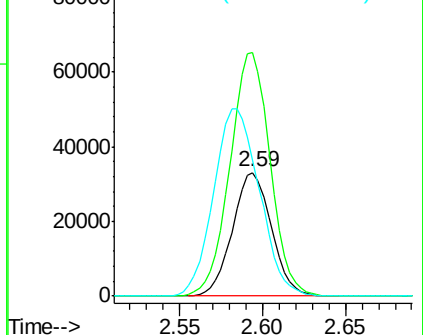
63 110.9 77.6 144.2

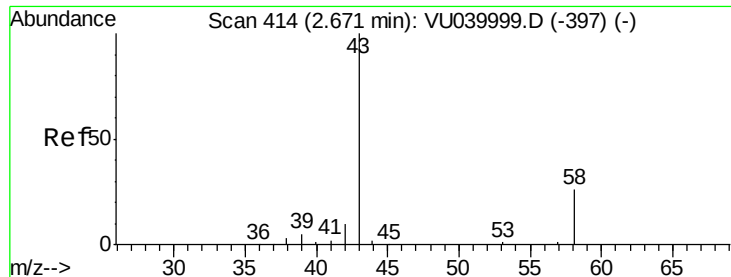


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 57.792 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.00 min

Lab File: VU039999.D

Acq: 31 Aug 2020 10:37

Instrument :

MSVOA_U

ClientSampleId :

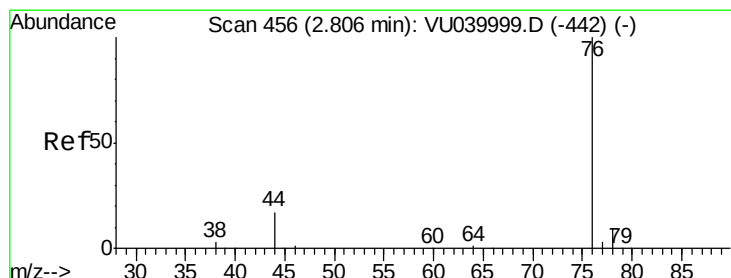
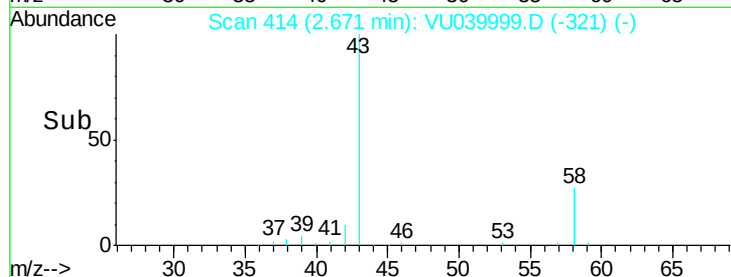
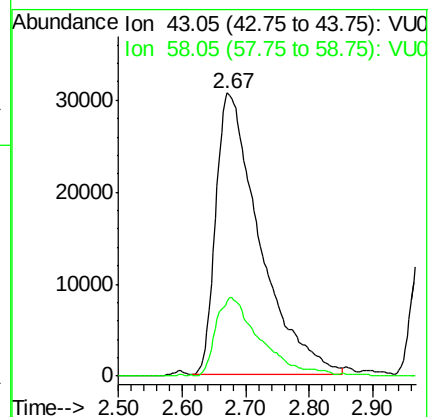
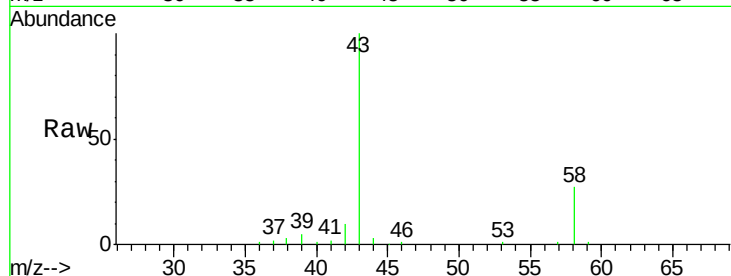
VSTD00505

Tgt Ion: 43 Resp: 147607

Ion Ratio Lower Upper

43 100

58 27.7 0.0 55.4



#14

Carbon disulfide

Concen: 4.740 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU039999.D

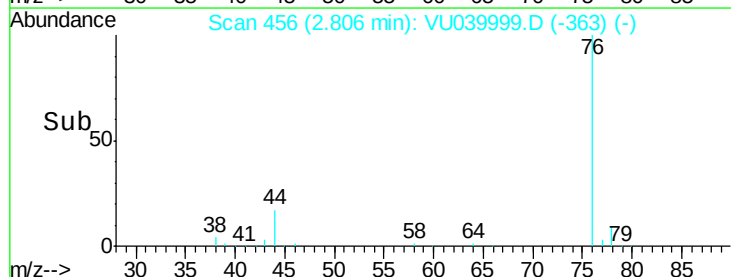
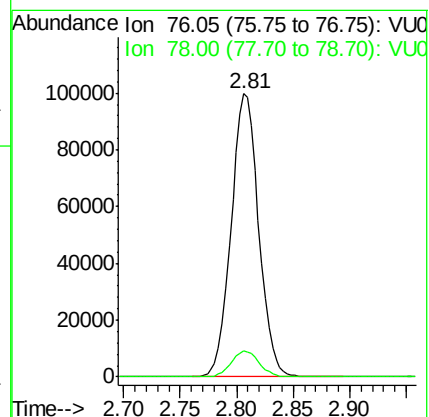
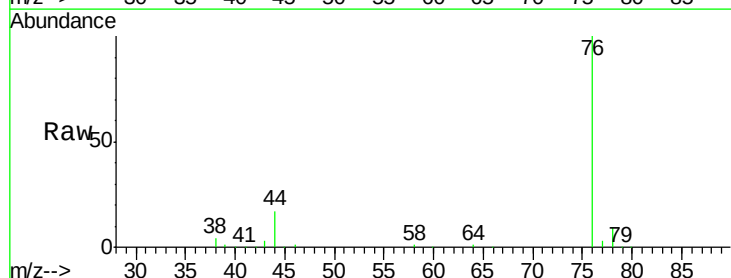
Acq: 31 Aug 2020 10:37

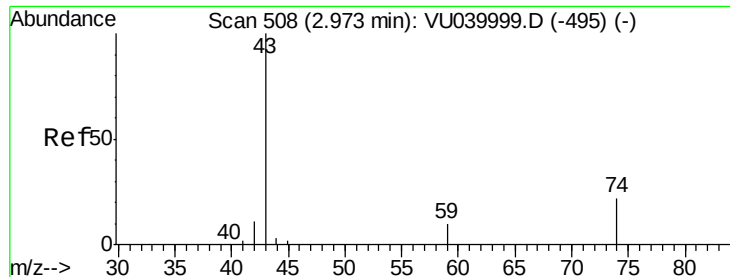
Tgt Ion: 76 Resp: 168739

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8





#15

Methyl Acetate

Concen: 5.180 ug/L

RT: 2.97 min Scan# 508

Delta R.T. 0.00 min

Lab File: VU039999.D

Acq: 31 Aug 2020 10:37

Instrument :

MSVOA_U

ClientSampleId :

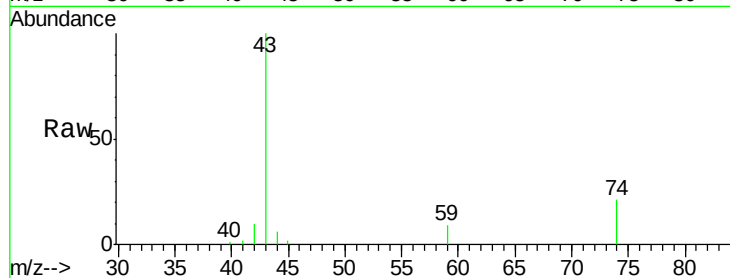
VSTD00505

Tgt Ion: 43 Resp: 32898

Ion Ratio Lower Upper

43 100

74 21.7 17.4 26.0



Abundance Ion 43.05 (42.75 to 43.75): VU039999.D (-495) (-)

Ion 74.05 (73.75 to 74.75): VU039999.D (-495) (-)

2.97

15000

10000

5000

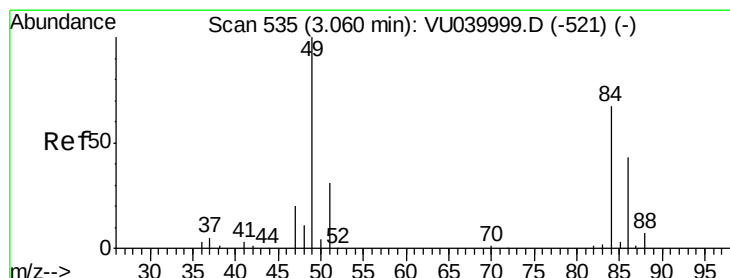
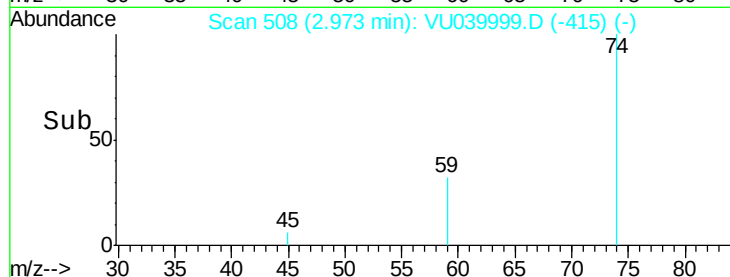
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Time-->

2.90

3.00

3.10



#16

Methylene chloride

Concen: 4.118 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU039999.D

Acq: 31 Aug 2020 10:37

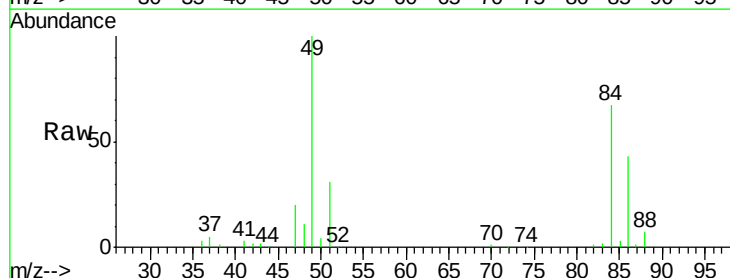
Tgt Ion: 84 Resp: 62831

Ion Ratio Lower Upper

84 100

86 64.6 45.2 84.0

49 148.6 104.0 193.2



Abundance Ion 84.05 (83.75 to 84.75): VU039999.D (-521) (-)

Ion 86.00 (85.70 to 86.70): VU039999.D (-521) (-)

Ion 49.10 (48.80 to 49.80): VU039999.D (-521) (-)

3.06

60000

50000

40000

30000

20000

10000

0

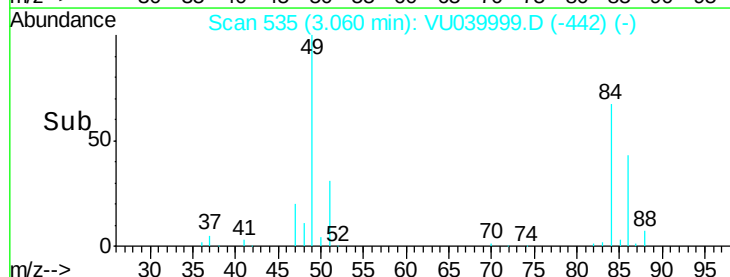
Time-->

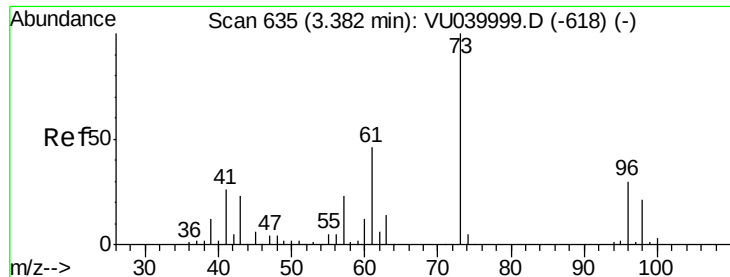
3.00

3.05

3.10

3.15

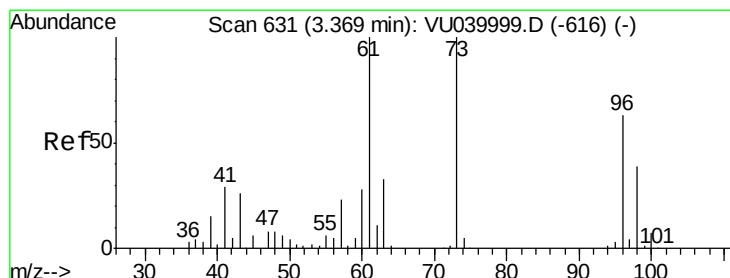
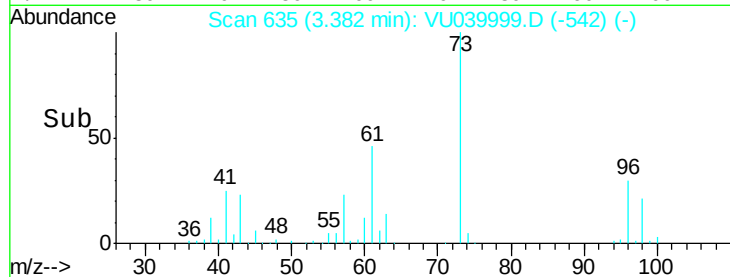
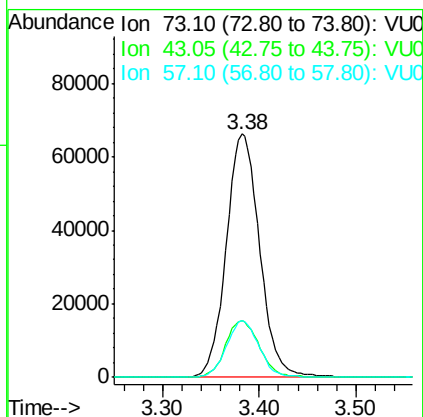
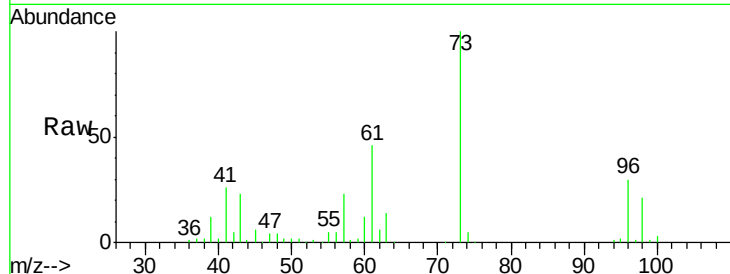




#17
Methyl tert-butyl Ether
Concen: 5.515 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU039999.D
Acq: 31 Aug 2020 10:37

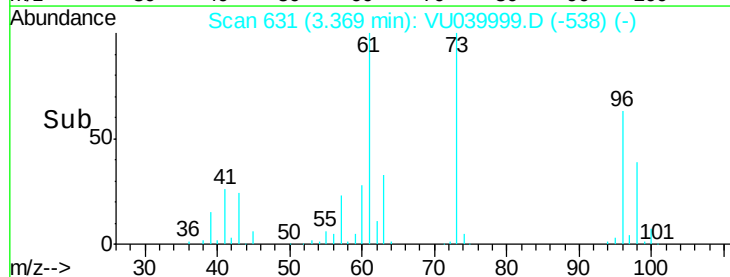
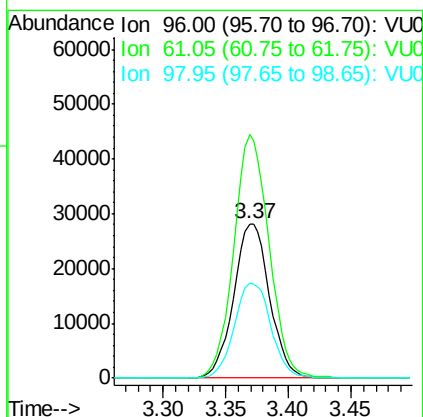
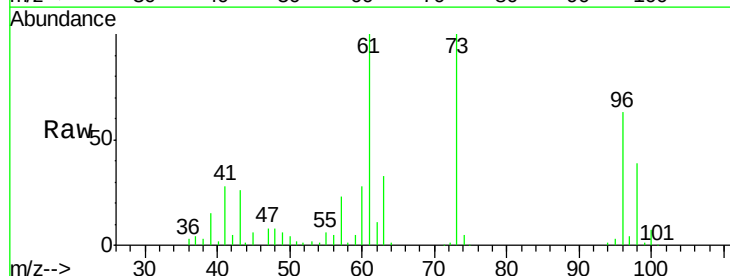
Instrument :
MSVOA_U
ClientSampleId :
VSTD00505

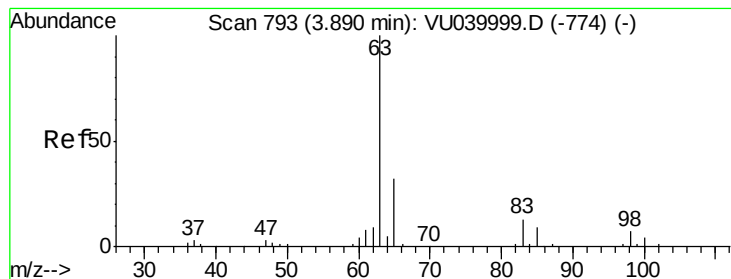
Tgt Ion: 73 Resp: 158627
Ion Ratio Lower Upper
73 100
43 23.9 19.1 28.7
57 22.9 18.3 27.5



#18
trans-1,2-Dichloroethene
Concen: 4.865 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU039999.D
Acq: 31 Aug 2020 10:37

Tgt Ion: 96 Resp: 55996
Ion Ratio Lower Upper
96 100
61 157.9 110.5 205.3
98 61.7 43.2 80.2





#19

1,1-Dichloroethane

Concen: 5.346 ug/L

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU039999.D

Acq: 31 Aug 2020 10:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD00505

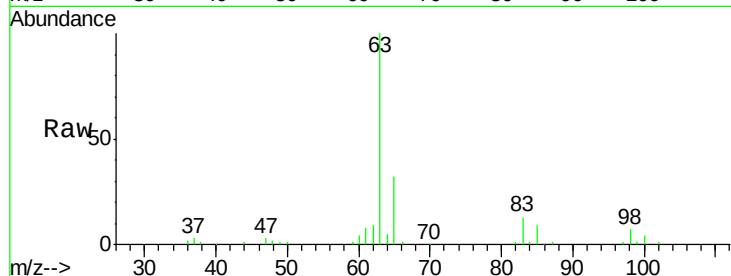
Tgt Ion: 63 Resp: 116354

Ion Ratio Lower Upper

63 100

65 31.7 22.2 41.2

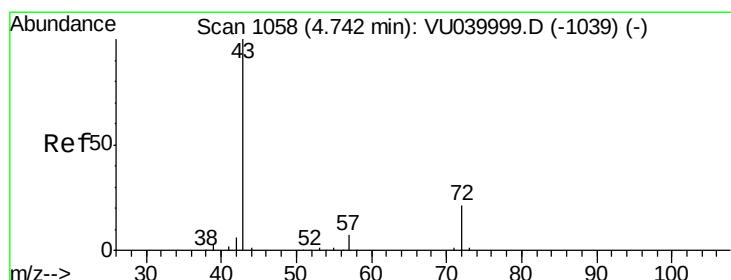
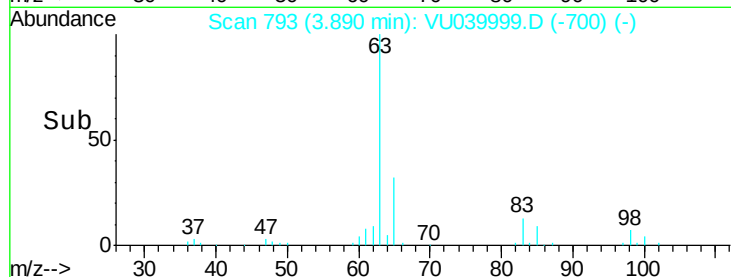
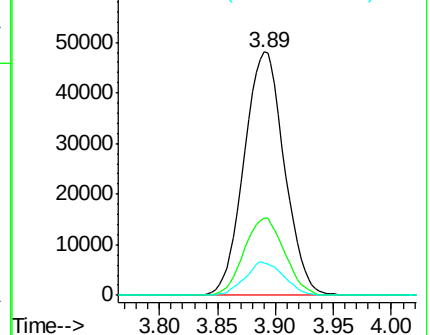
83 13.5 9.4 17.6



Abundance Ion 63.10 (62.80 to 63.80): VU039999.D (-774) (-)

Ion 65.10 (64.80 to 65.80): VU039999.D (-774) (-)

Ion 83.05 (82.75 to 83.75): VU039999.D (-774) (-)



#21

2-Butanone

Concen: 54.310 ug/L

RT: 4.74 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VU039999.D

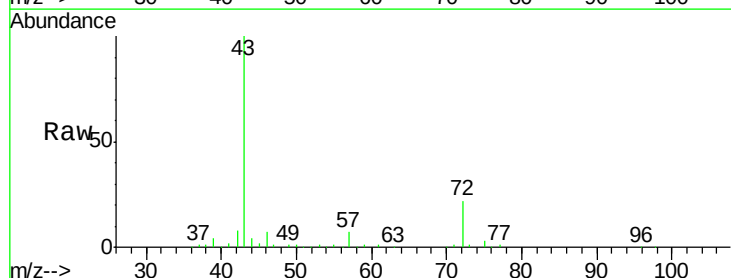
Acq: 31 Aug 2020 10:37

Tgt Ion: 43 Resp: 235773

Ion Ratio Lower Upper

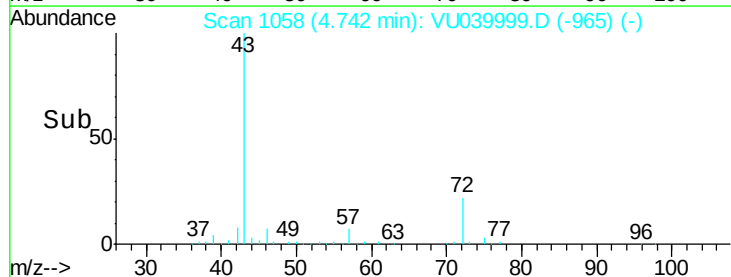
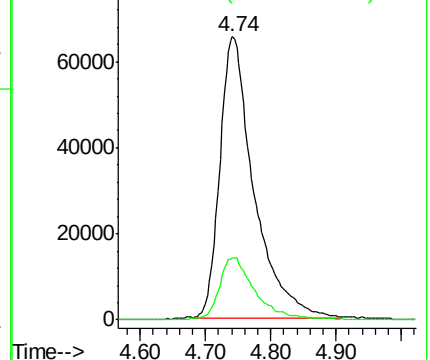
43 100

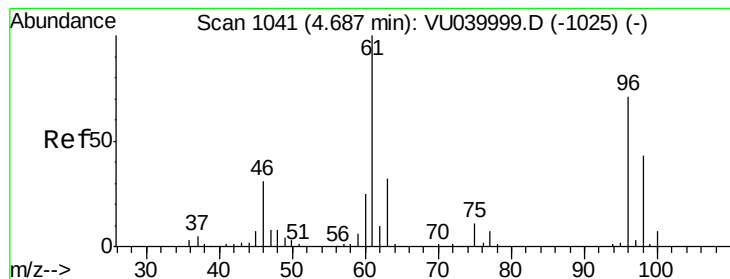
72 23.3 11.7 35.0



Abundance Ion 43.05 (42.75 to 43.75): VU039999.D (-1039) (-)

Ion 72.10 (71.80 to 72.80): VU039999.D (-1039) (-)





#22

cis-1,2-Dichloroethene

Concen: 4.994 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU039999.D

Acq: 31 Aug 2020 10:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD00505

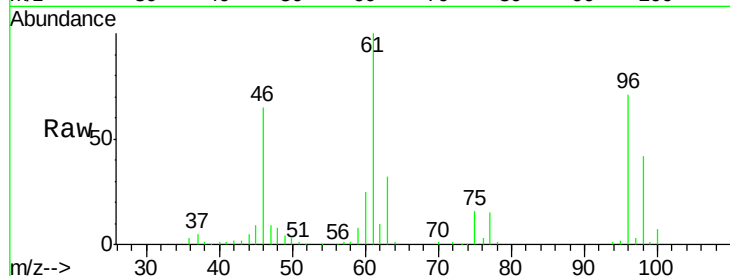
Tgt Ion: 96 Resp: 60565

Ion Ratio Lower Upper

96 100

61 141.1 98.8 183.4

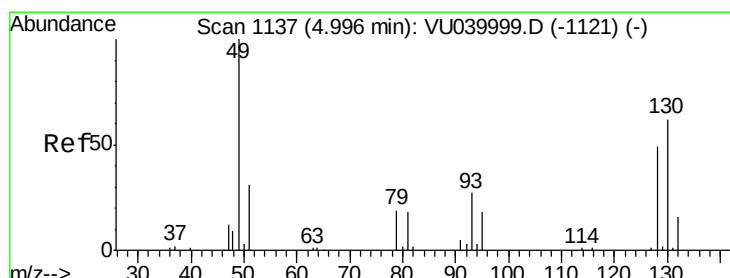
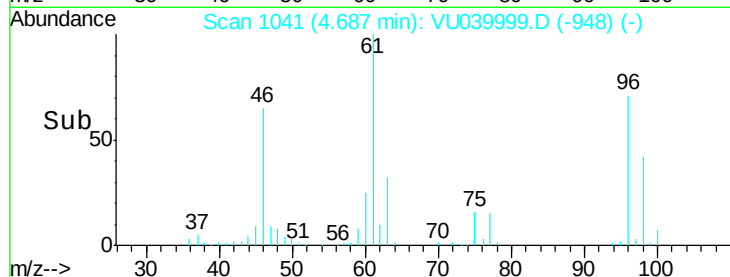
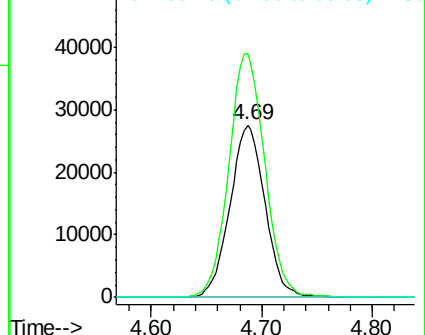
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039999.D (-1025) (-)

Ion 61.05 (60.75 to 61.75): VU039999.D (-1025) (-)

Ion 68.15 (67.85 to 68.85): VU039999.D (-1025) (-)



#23

Bromochloromethane

Concen: 4.901 ug/L

RT: 5.00 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VU039999.D

Acq: 31 Aug 2020 10:37

Tgt Ion: 128 Resp: 27679

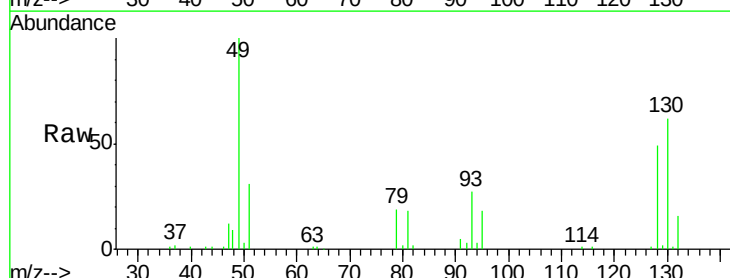
Ion Ratio Lower Upper

128 100

49 204.9 143.4 266.4

130 127.9 89.5 166.3

51 63.7 51.0 76.4

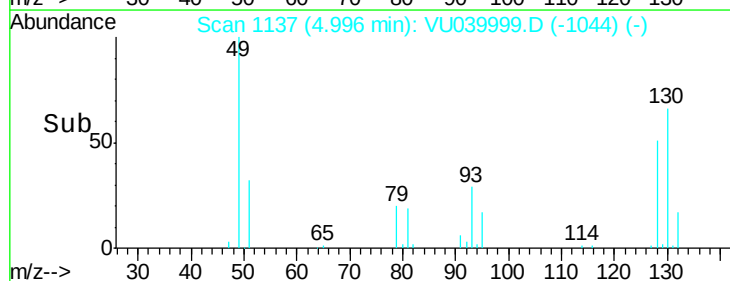
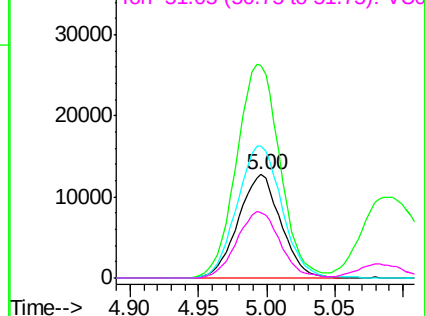


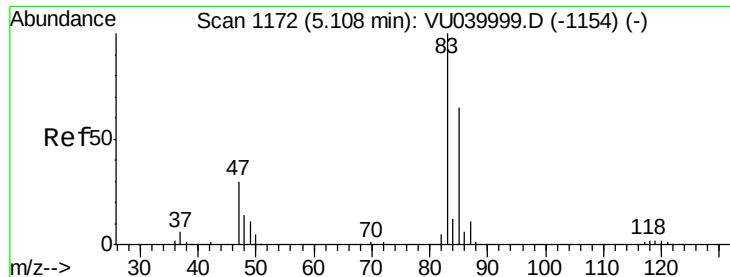
Abundance Ion 127.90 (127.60 to 128.60): VU039999.D (-1121) (-)

Ion 49.10 (48.80 to 49.80): VU039999.D (-1121) (-)

Ion 129.95 (129.65 to 130.65): VU039999.D (-1121) (-)

Ion 51.05 (50.75 to 51.75): VU039999.D (-1121) (-)

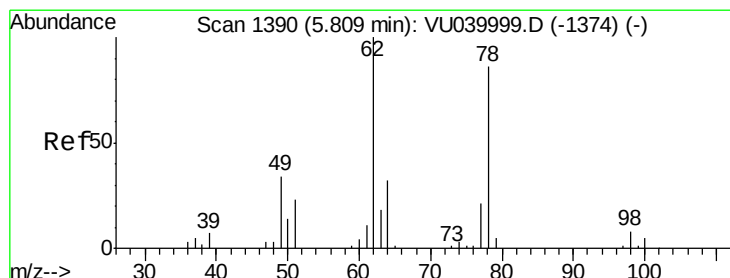
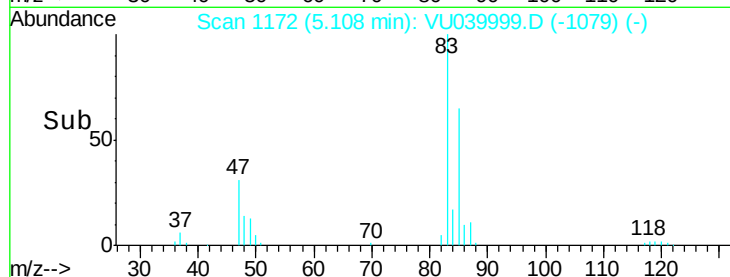
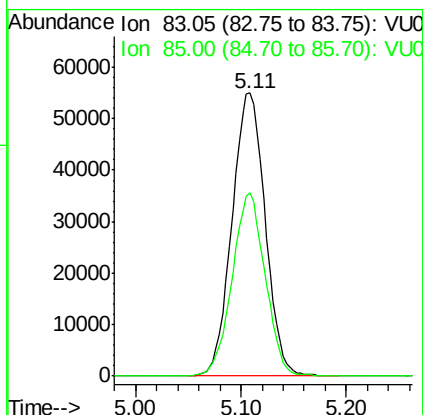
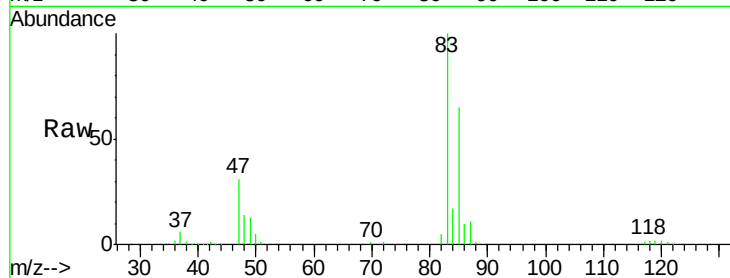




#25
Chloroform
Concen: 5.392 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU039999.D
Acq: 31 Aug 2020 10:37

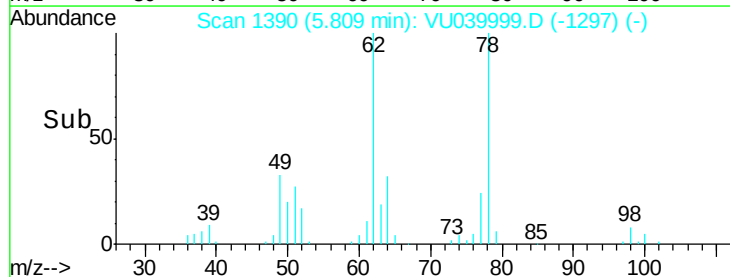
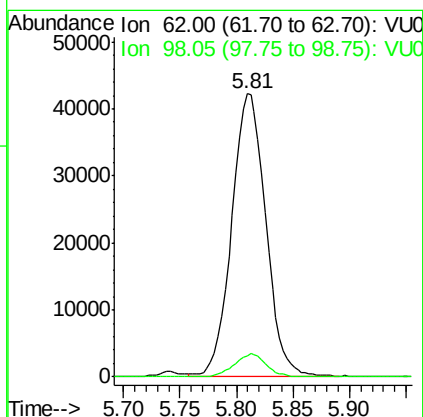
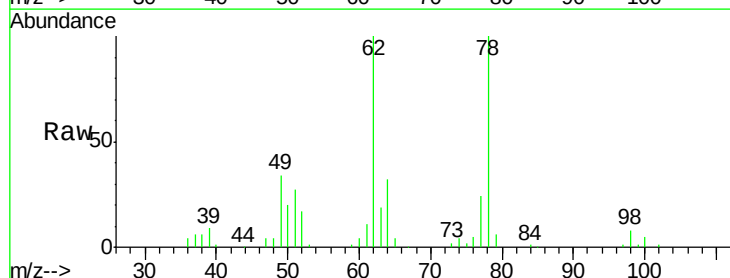
Instrument :
MSVOA_U
ClientSampleId :
VSTD00505

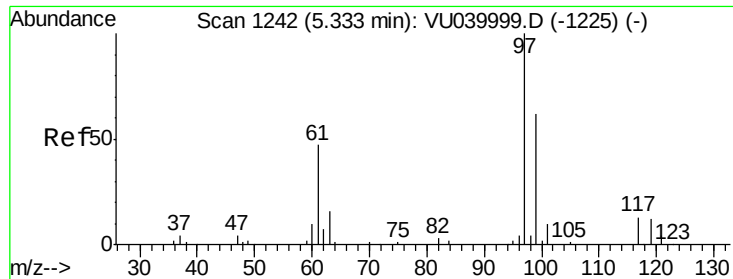
Tgt Ion: 83 Resp: 120078
Ion Ratio Lower Upper
83 100
85 64.7 45.3 84.1



#27
1,2-Dichloroethane
Concen: 5.630 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU039999.D
Acq: 31 Aug 2020 10:37

Tgt Ion: 62 Resp: 88879
Ion Ratio Lower Upper
62 100
98 7.6 6.1 9.1

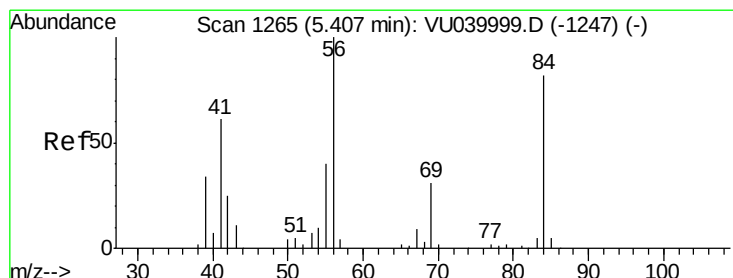
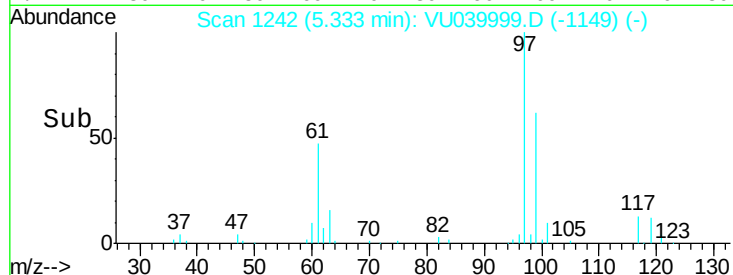
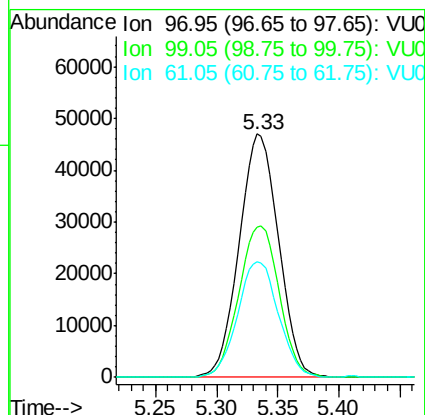
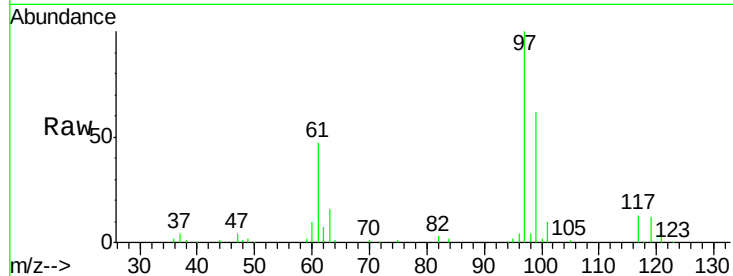




#29
 1,1,1-Trichloroethane
 Concen: 5.500 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU039999.D
 Acq: 31 Aug 2020 10:37

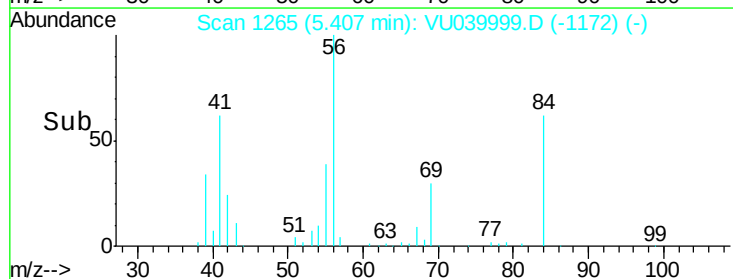
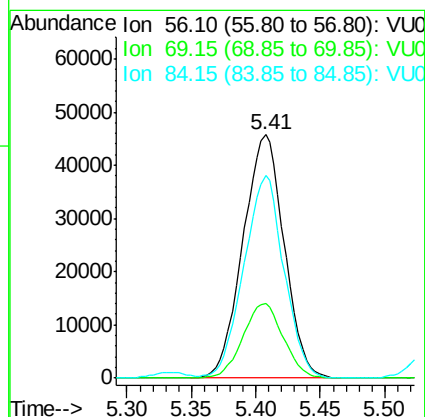
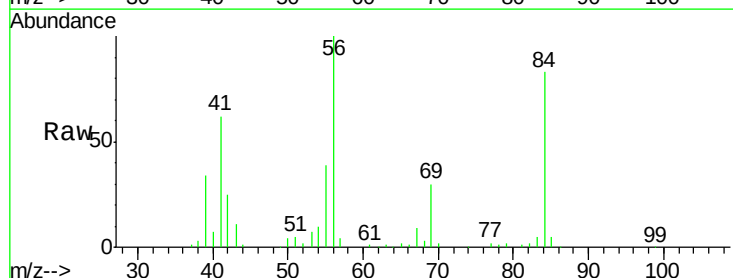
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00505

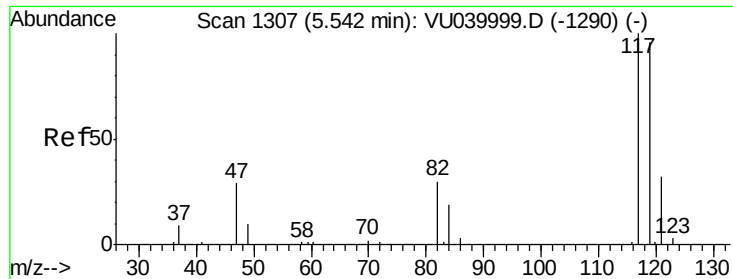
Tgt Ion: 97 Resp: 104966
 Ion Ratio Lower Upper
 97 100
 99 63.6 50.9 76.3
 61 49.4 39.5 59.3



#30
 Cyclohexane
 Concen: 5.433 ug/L
 RT: 5.41 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VU039999.D
 Acq: 31 Aug 2020 10:37

Tgt Ion: 56 Resp: 101749
 Ion Ratio Lower Upper
 56 100
 69 30.1 24.1 36.1
 84 81.2 65.0 97.4

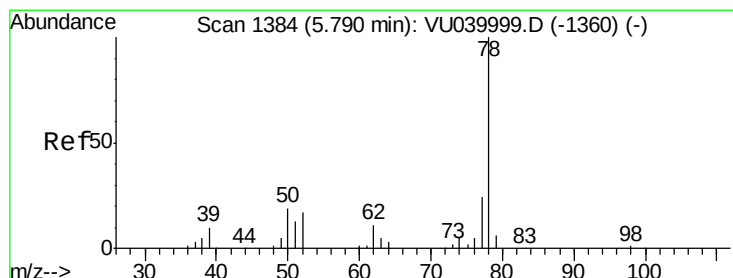
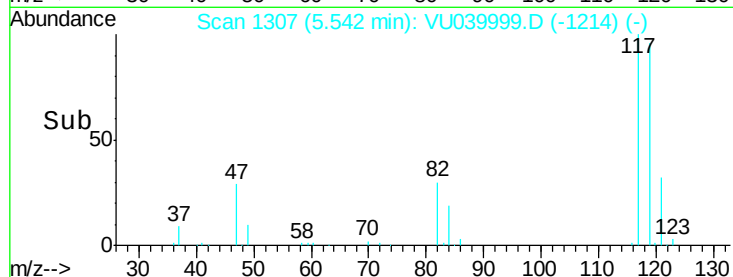
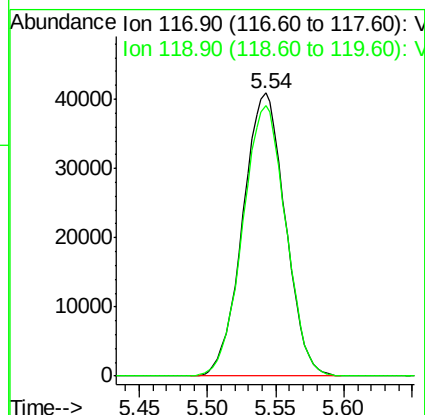
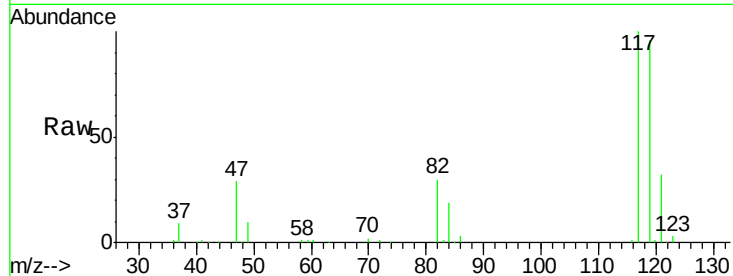




#31
Carbon tetrachloride
Concen: 5.271 ug/L
RT: 5.54 min Scan# 1307
Delta R.T. 0.00 min
Lab File: VU039999.D
Acq: 31 Aug 2020 10:37

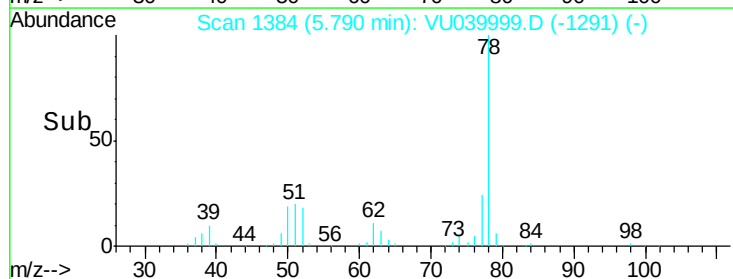
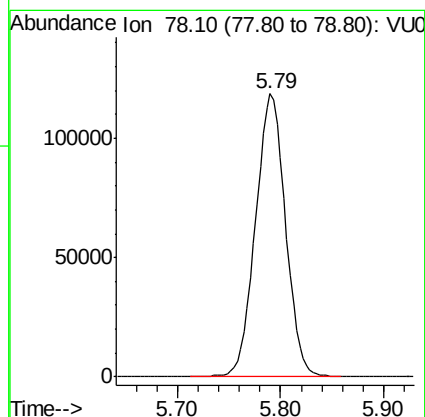
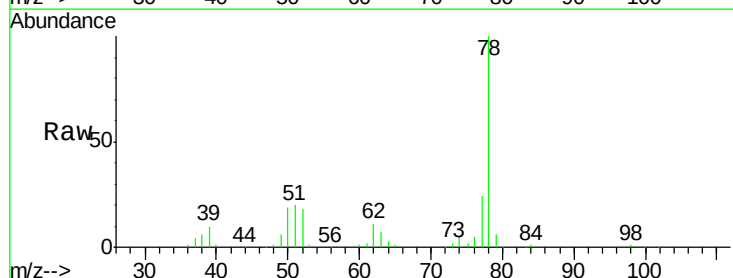
Instrument :
MSVOA_U
ClientSampleId :
VSTD00505

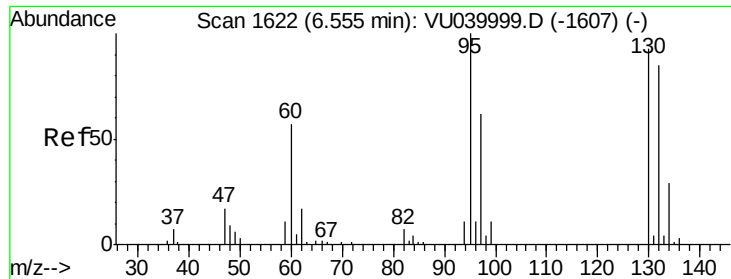
Tgt Ion:117 Resp: 88180
Ion Ratio Lower Upper
117 100
119 97.1 77.7 116.5



#33
Benzene
Concen: 5.171 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU039999.D
Acq: 31 Aug 2020 10:37

Tgt Ion: 78 Resp: 239367

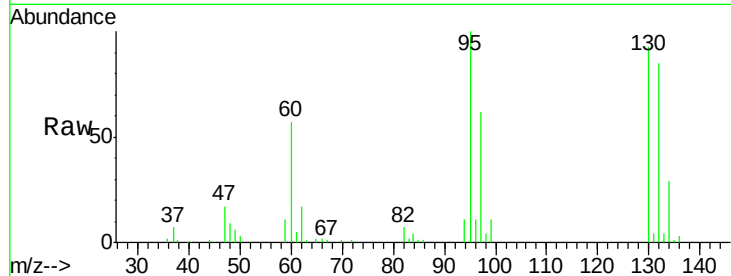




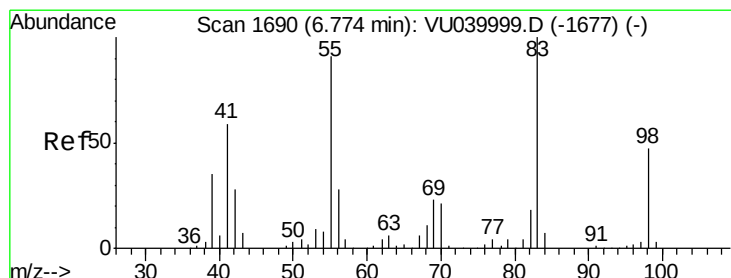
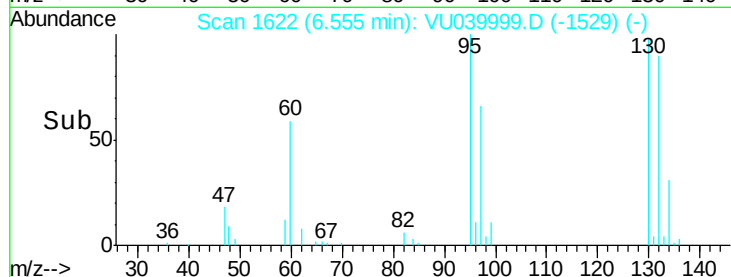
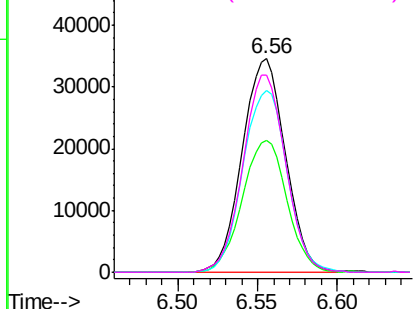
#34
 Trichloroethene
 Concen: 5.279 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU039999.D
 Acq: 31 Aug 2020 10:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00505

Tgt Ion: 95 Resp: 63901
 Ion Ratio Lower Upper
 95 100
 97 61.9 43.3 80.5
 132 84.9 59.4 110.4
 130 92.6 64.8 120.4

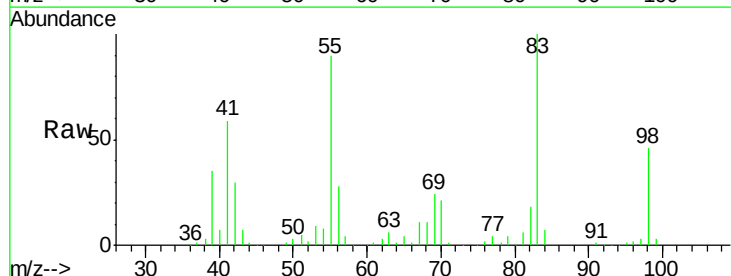


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

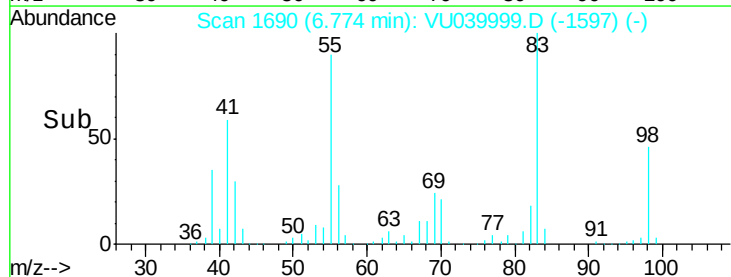
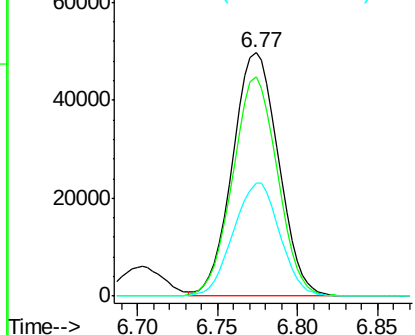


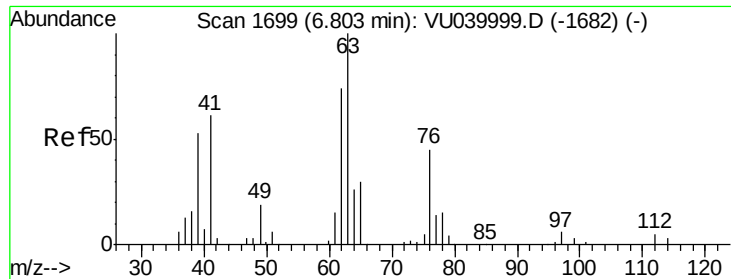
#35
 Methylcyclohexane
 Concen: 5.263 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: VU039999.D
 Acq: 31 Aug 2020 10:37

Tgt Ion: 83 Resp: 97030
 Ion Ratio Lower Upper
 83 100
 55 88.1 70.5 105.7
 98 47.2 37.8 56.6



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

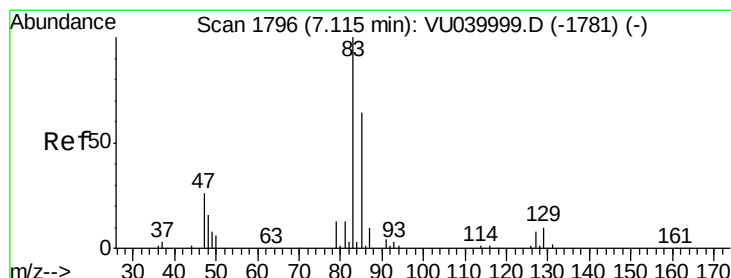
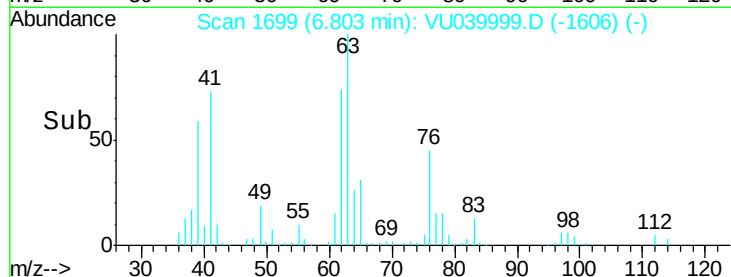
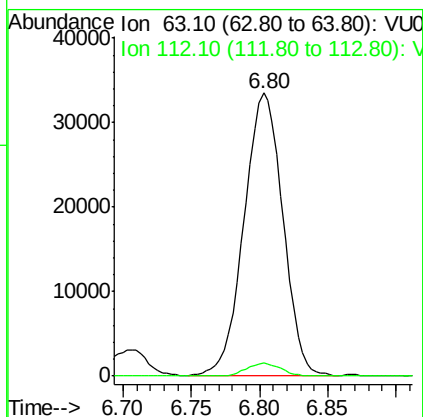
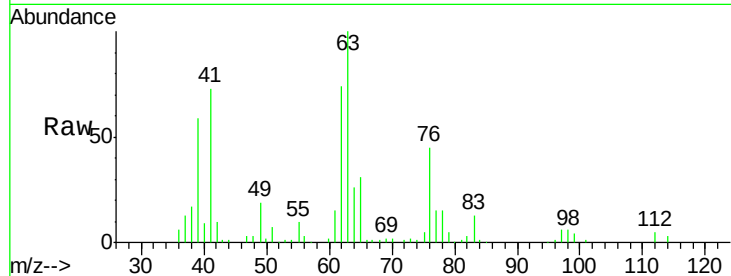




#37
 1,2-Dichloropropane
 Concen: 5.343 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU039999.D
 Acq: 31 Aug 2020 10:37

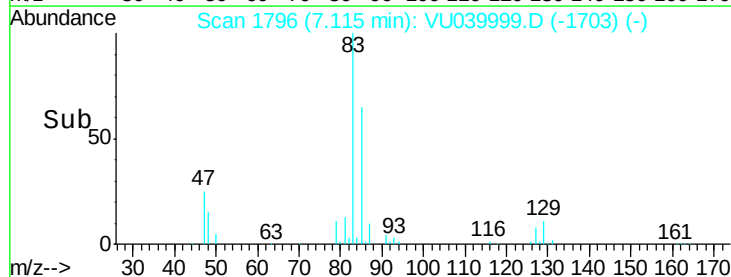
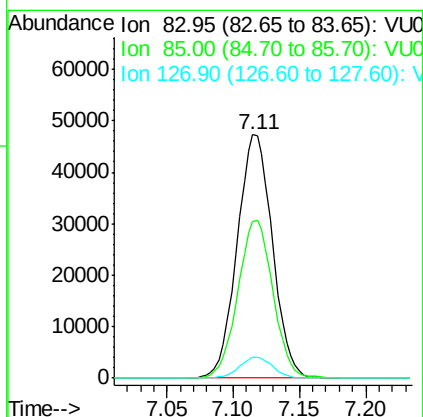
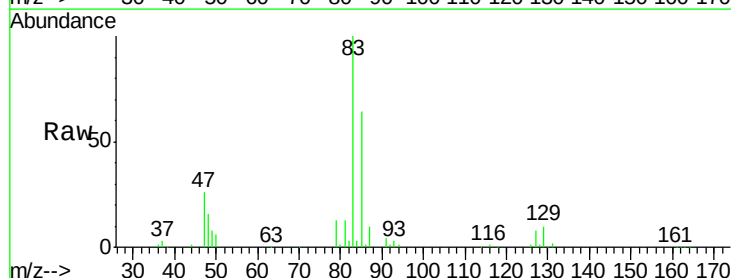
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00505

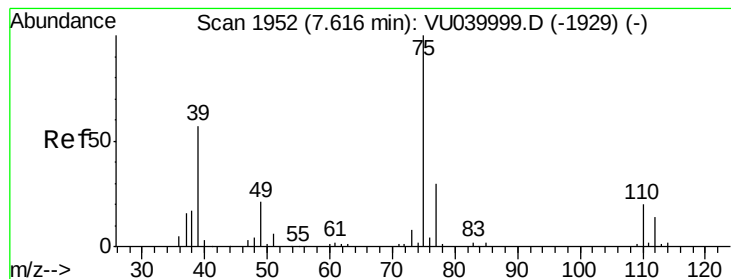
Tgt Ion: 63 Resp: 66447
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.2 4.8



#38
 Bromodichloromethane
 Concen: 5.495 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VU039999.D
 Acq: 31 Aug 2020 10:37

Tgt Ion: 83 Resp: 87443
 Ion Ratio Lower Upper
 83 100
 85 64.5 45.1 83.9
 127 8.4 6.7 10.1



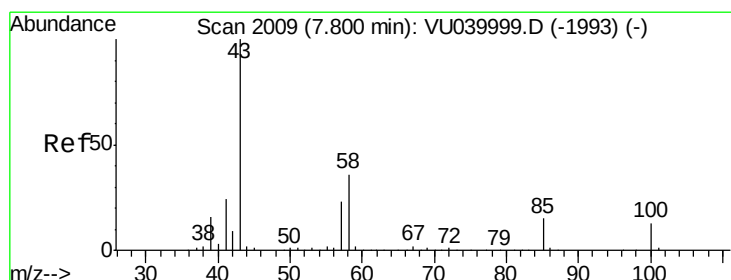
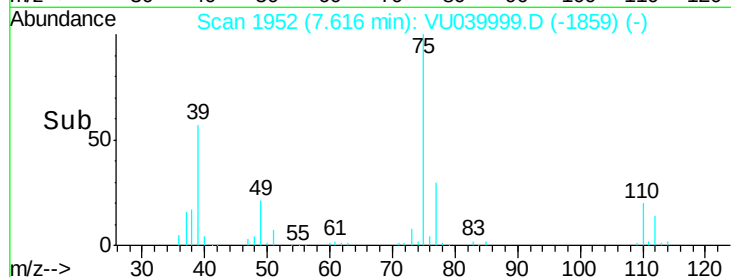
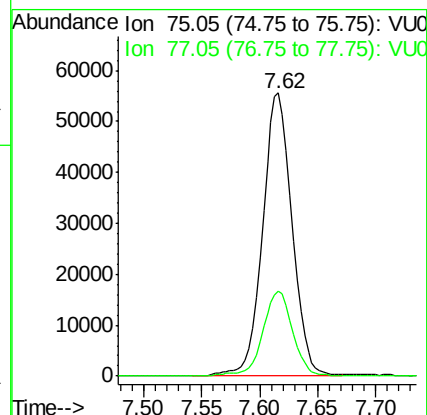
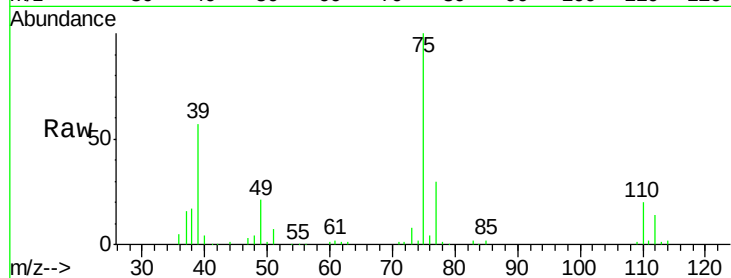


#39

cis-1,3-Dichloropropene
 Concen: 5.623 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU039999.D
 Acq: 31 Aug 2020 10:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00505

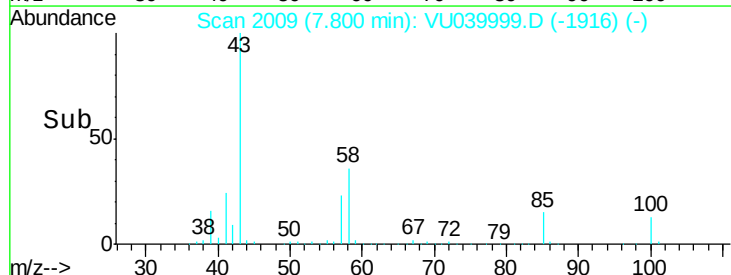
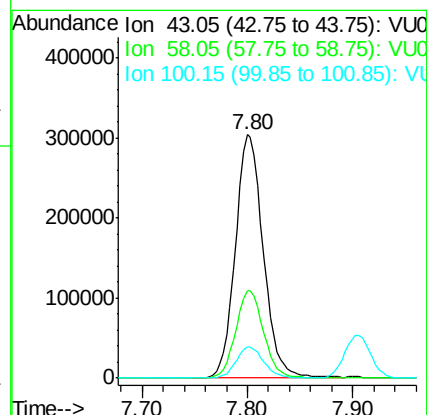
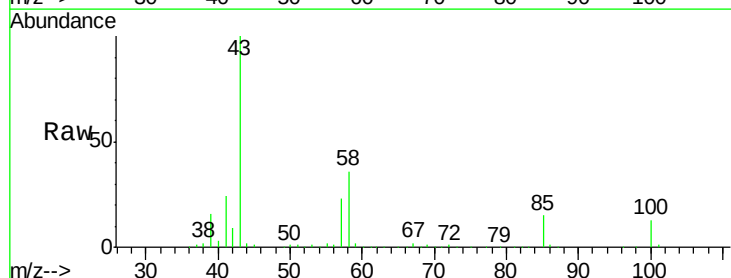
Tgt Ion: 75 Resp: 98628
 Ion Ratio Lower Upper
 75 100
 77 30.2 21.1 39.3

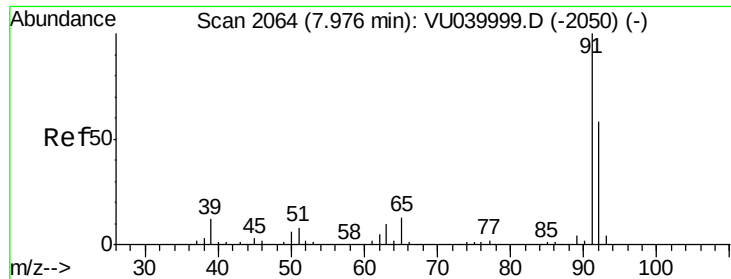


#40

4-Methyl-2-pentanone
 Concen: 55.805 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU039999.D
 Acq: 31 Aug 2020 10:37

Tgt Ion: 43 Resp: 556672
 Ion Ratio Lower Upper
 43 100
 58 35.9 28.7 43.1
 100 12.7 10.2 15.2





#42

Toluene

Concen: 5.318 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU039999.D

Acq: 31 Aug 2020 10:37

Instrument :

MSVOA_U

ClientSampleId :

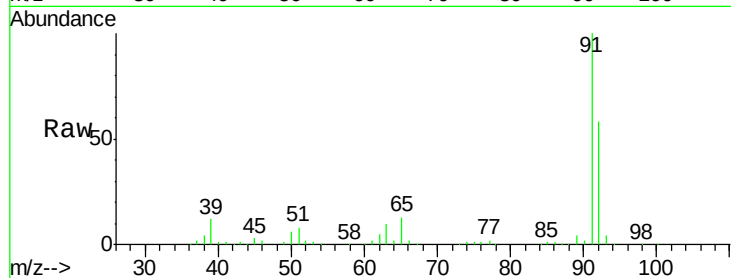
VSTD00505

Tgt Ion: 91 Resp: 252291

Ion Ratio Lower Upper

91 100

92 58.1 40.7 75.5



Abundance Ion 91.15 (90.85 to 91.85): VU039999.D (-2050) (-)

Ion 92.15 (91.85 to 92.85): VU039999.D (-2050) (-)

7.98

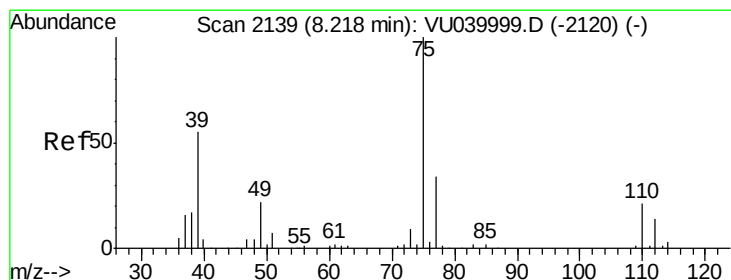
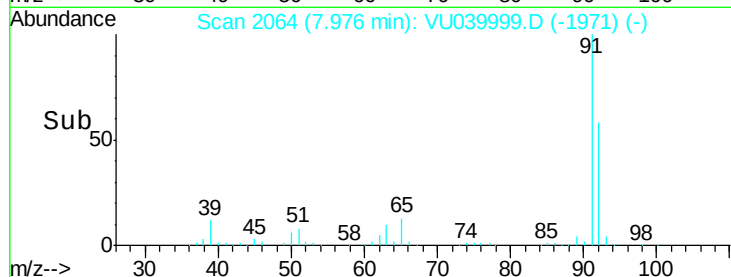
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.413 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU039999.D

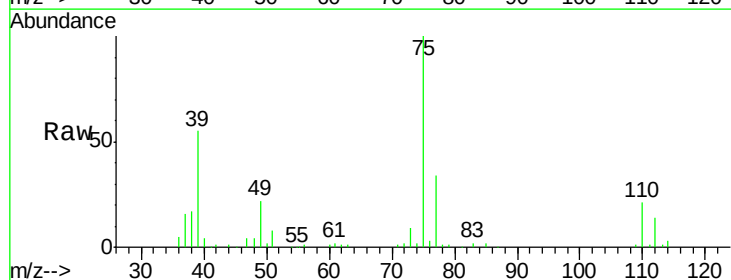
Acq: 31 Aug 2020 10:37

Tgt Ion: 75 Resp: 89683

Ion Ratio Lower Upper

75 100

77 34.1 23.9 44.3



Abundance Ion 75.05 (74.75 to 75.75): VU039999.D (-2120) (-)

Ion 77.05 (76.75 to 77.75): VU039999.D (-2120) (-)

8.22

60000

50000

40000

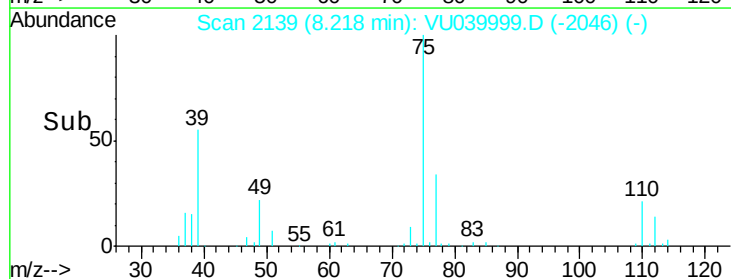
30000

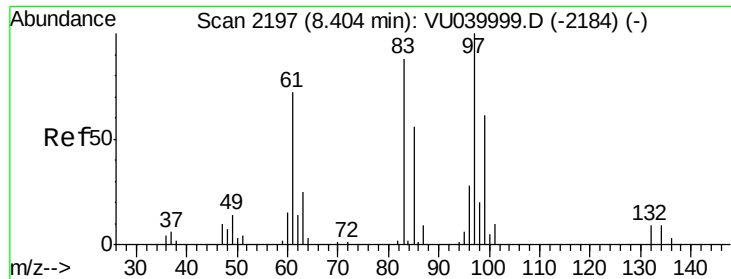
20000

10000

0

Time-->

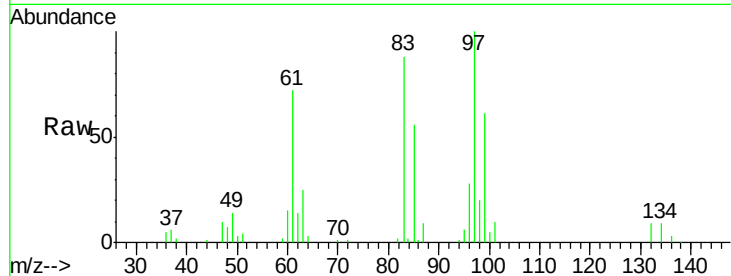




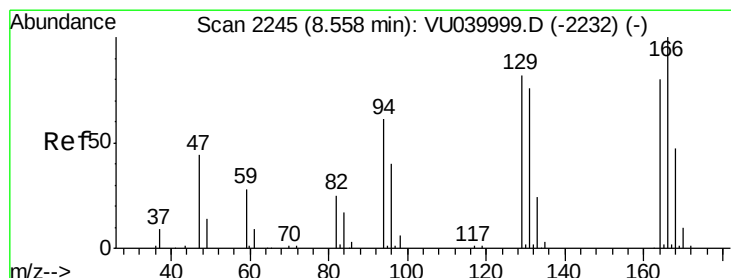
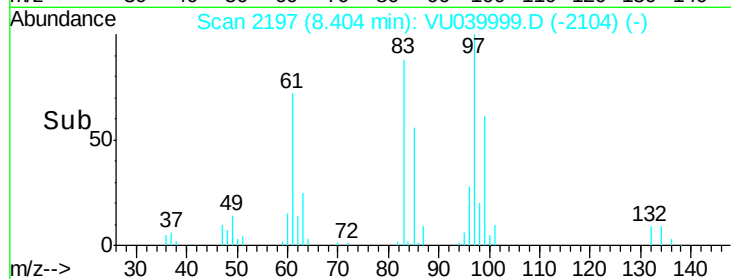
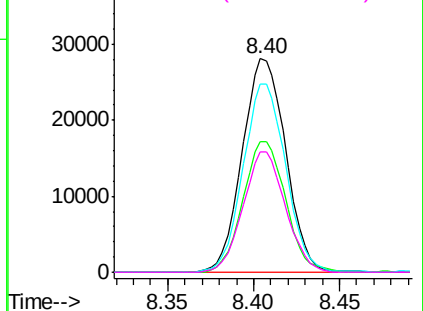
#45
 1,1,2-Trichloroethane
 Concen: 5.251 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VU039999.D
 Acq: 31 Aug 2020 10:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00505

Tgt Ion:	97	Resp:	49254
Ion	Ratio	Lower	Upper
97	100		
99	61.4	43.0	79.8
83	88.2	61.7	114.7
85	56.2	39.3	73.1

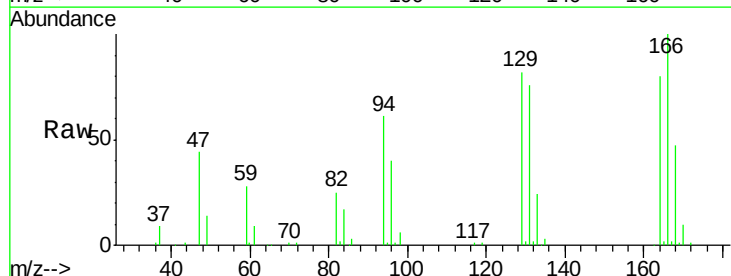


Abundance Ion 96.95 (96.65 to 97.65): VU039999.D (-2184) (-)
 Ion 99.05 (98.75 to 99.75): VU039999.D (-2184) (-)
 Ion 82.95 (82.65 to 83.65): VU039999.D (-2184) (-)
 Ion 85.00 (84.70 to 85.70): VU039999.D (-2184) (-)

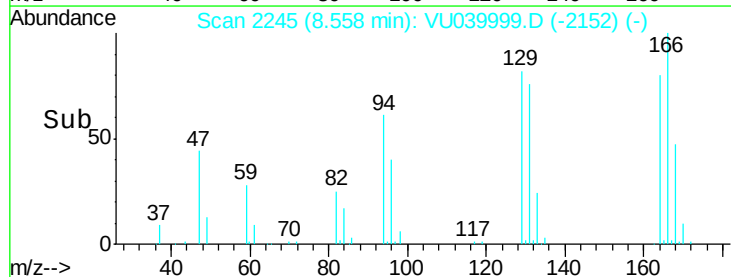
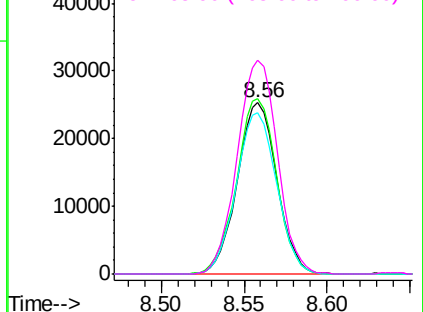


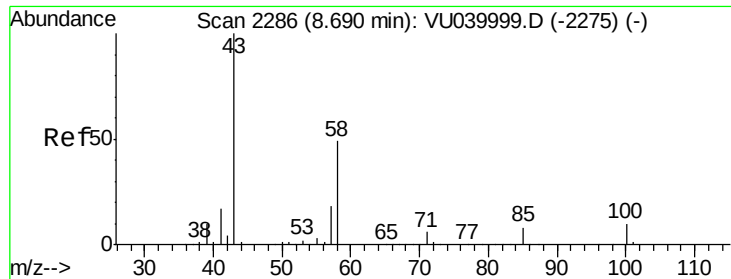
#47
 Tetrachloroethene
 Concen: 4.811 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU039999.D
 Acq: 31 Aug 2020 10:37

Tgt Ion:	164	Resp:	41925
Ion	Ratio	Lower	Upper
164	100		
129	102.1	71.5	132.7
131	94.2	65.9	122.5
166	124.7	87.3	162.1



Abundance Ion 163.90 (163.60 to 164.60): VU039999.D (-2232) (-)
 Ion 128.95 (128.65 to 129.65): VU039999.D (-2232) (-)
 Ion 130.95 (130.65 to 131.65): VU039999.D (-2232) (-)
 Ion 165.90 (165.60 to 166.60): VU039999.D (-2232) (-)

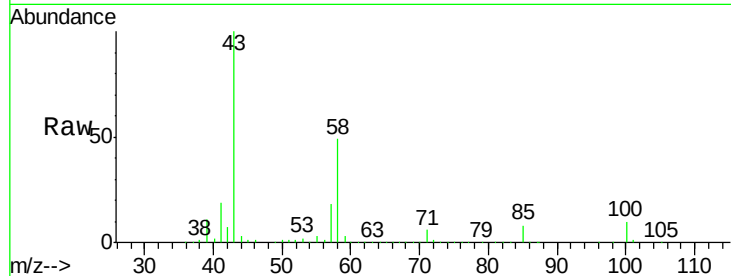




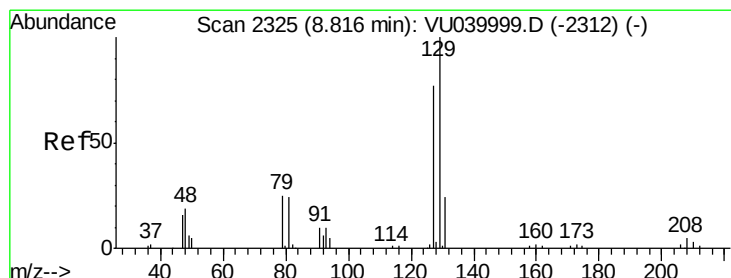
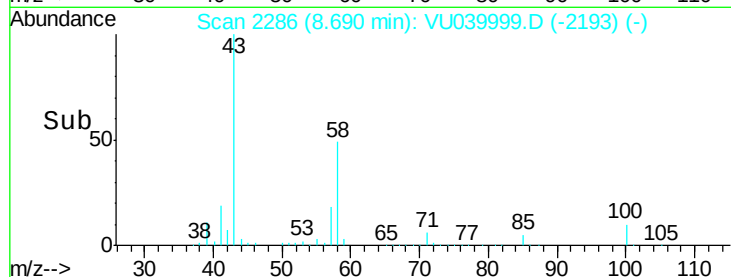
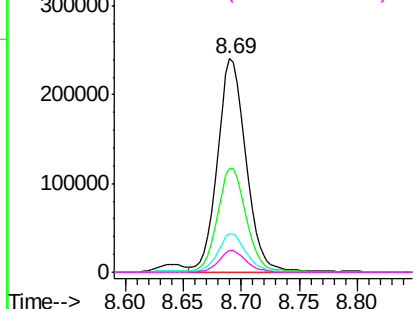
#48
2-Hexanone
Concen: 57.392 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU039999.D
Acq: 31 Aug 2020 10:37

Instrument :
MSVOA_U
ClientSampled :
VSTD00505

Tgt Ion: 43 Resp: 412642
Ion Ratio Lower Upper
43 100
58 49.5 39.6 59.4
57 17.9 14.3 21.5
100 10.0 8.0 12.0

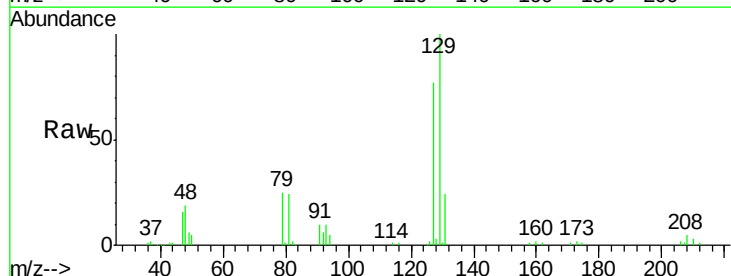


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

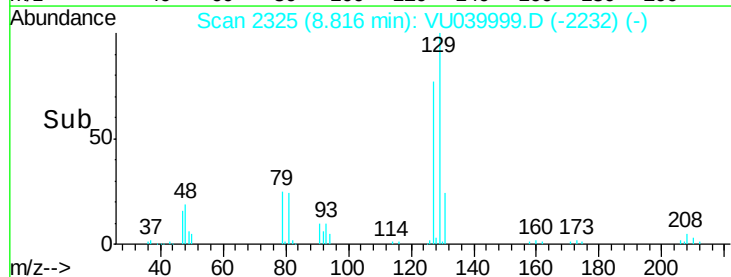
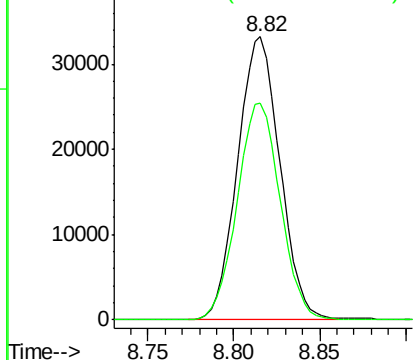


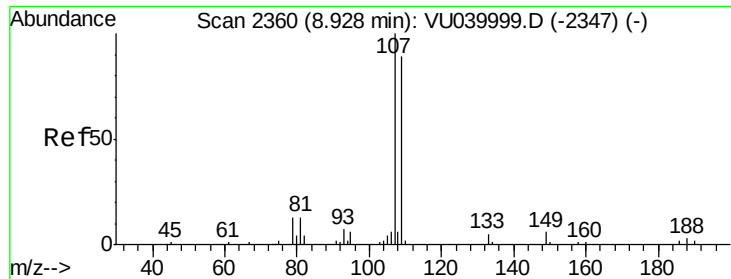
#49
Dibromochloromethane
Concen: 5.084 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU039999.D
Acq: 31 Aug 2020 10:37

Tgt Ion: 129 Resp: 56628
Ion Ratio Lower Upper
129 100
127 76.7 53.7 99.7



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

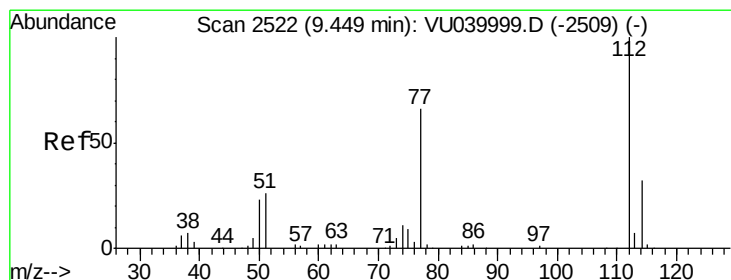
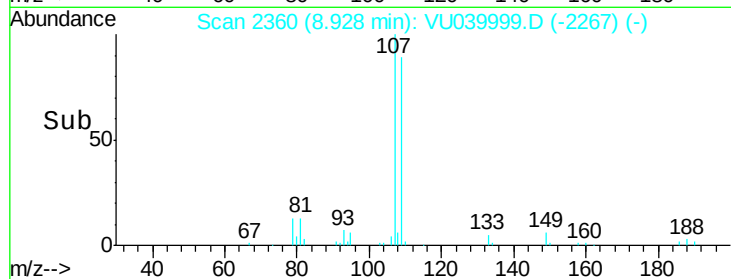
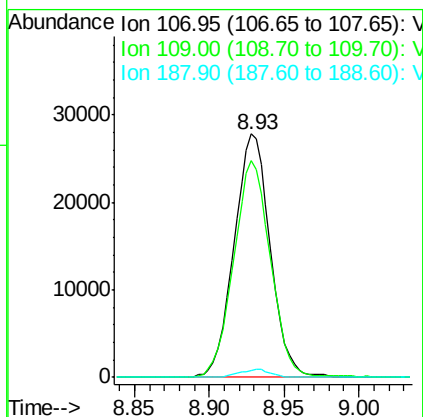
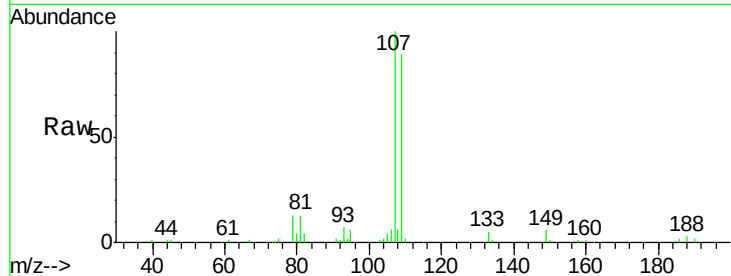




#50
1,2-Dibromoethane
Concen: 5.222 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. 0.00 min
Lab File: VU039999.D
Acq: 31 Aug 2020 10:37

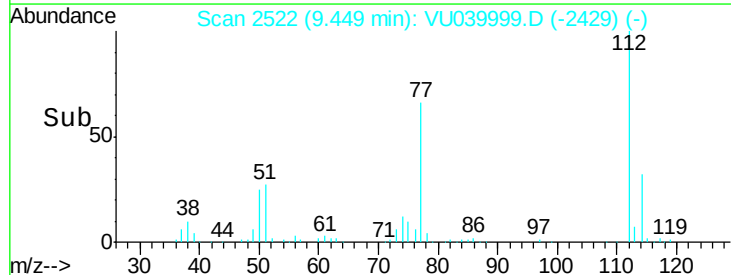
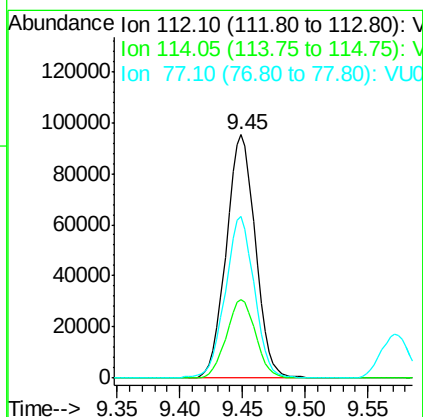
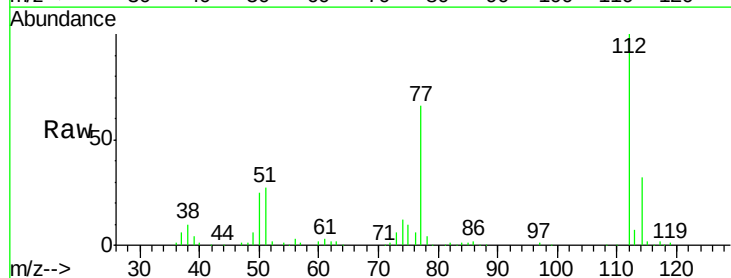
Instrument :
MSVOA_U
ClientSampleId :
VSTD00505

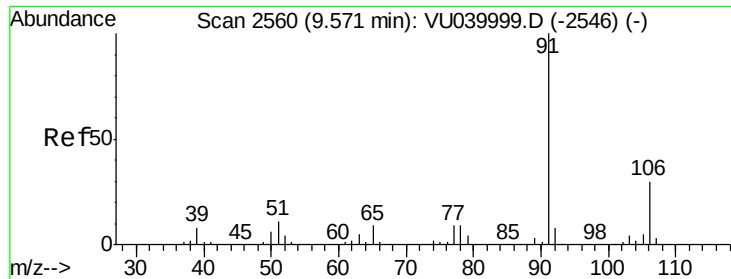
Tgt Ion:107 Resp: 46625
Ion Ratio Lower Upper
107 100
109 89.1 62.4 115.8
188 2.9 2.3 3.5



#51
Chlorobenzene
Concen: 5.035 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU039999.D
Acq: 31 Aug 2020 10:37

Tgt Ion:112 Resp: 154272
Ion Ratio Lower Upper
112 100
114 32.5 22.7 42.3
77 66.5 53.2 79.8

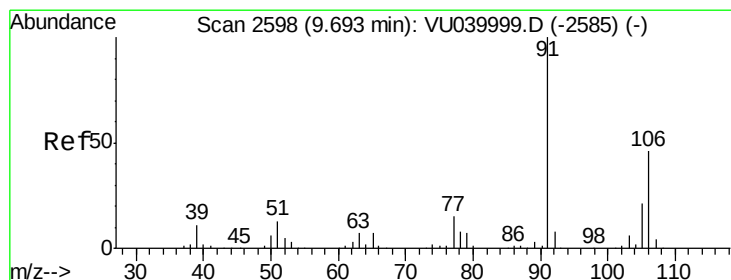
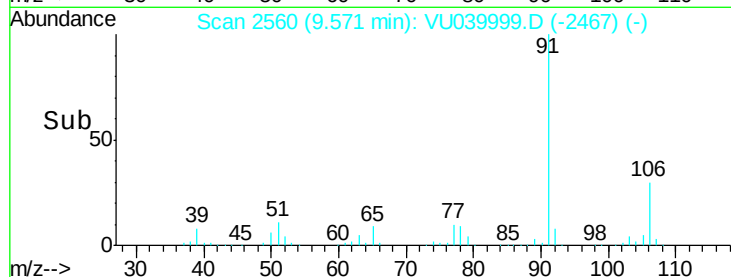
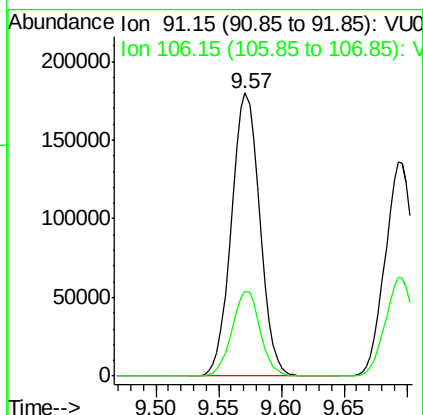
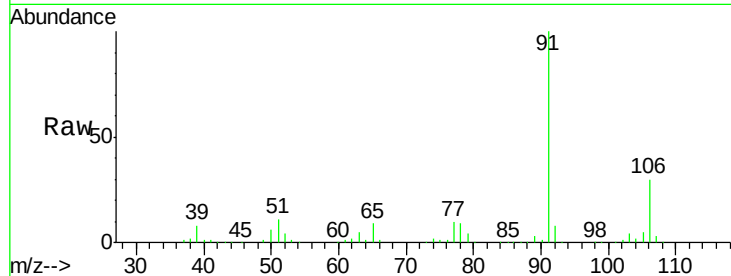




#52
Ethylbenzene
Concen: 5.450 ug/L
RT: 9.57 min Scan# 2560
Delta R.T. 0.00 min
Lab File: VU039999.D
Acq: 31 Aug 2020 10:37

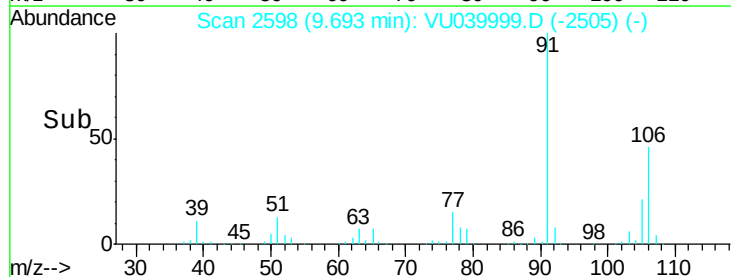
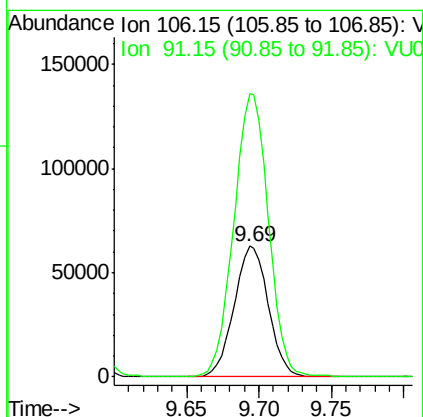
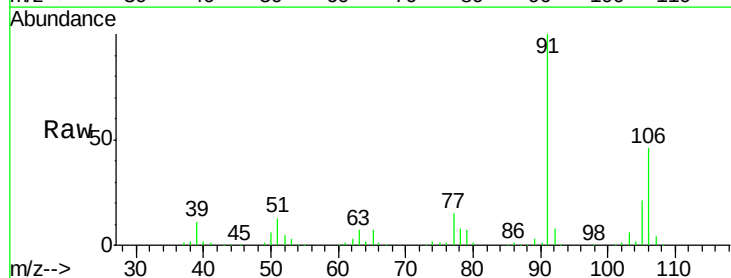
Instrument :
MSVOA_U
ClientSampleId :
VSTD00505

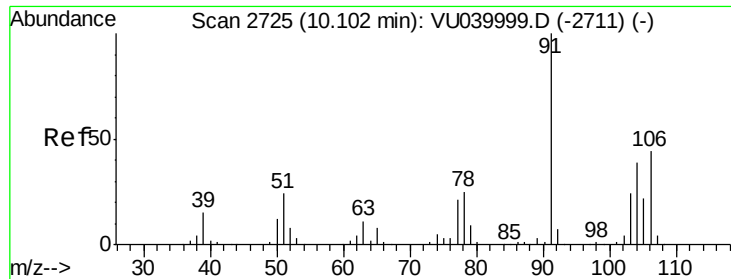
Tgt Ion: 91 Resp: 283714
Ion Ratio Lower Upper
91 100
106 30.0 21.0 39.0



#53
m,p-Xylene
Concen: 5.237 ug/L
RT: 9.69 min Scan# 2598
Delta R.T. 0.00 min
Lab File: VU039999.D
Acq: 31 Aug 2020 10:37

Tgt Ion: 106 Resp: 102910
Ion Ratio Lower Upper
106 100
91 216.7 151.7 281.7

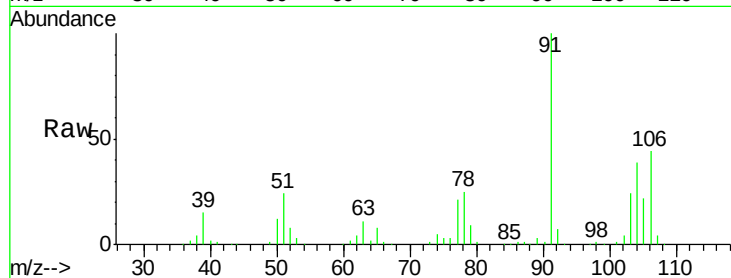




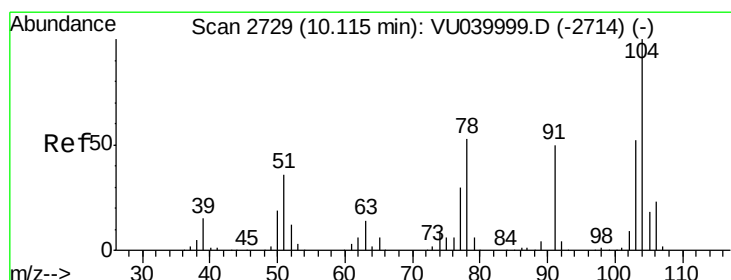
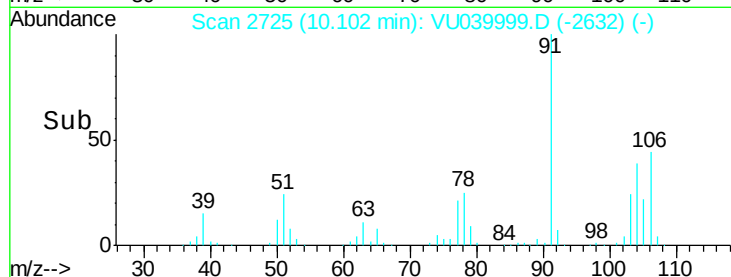
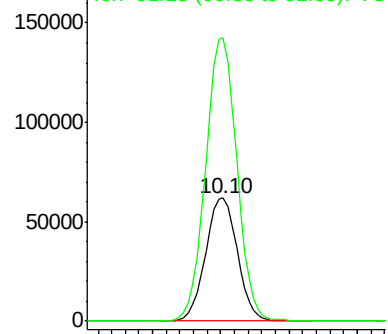
#54
o-Xylene
Concen: 5.372 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU039999.D
Acq: 31 Aug 2020 10:37

Instrument :
MSVOA_U
ClientSampleId :
VSTD00505

Tgt Ion:106 Resp: 100193
Ion Ratio Lower Upper
106 100
91 229.7 160.8 298.6

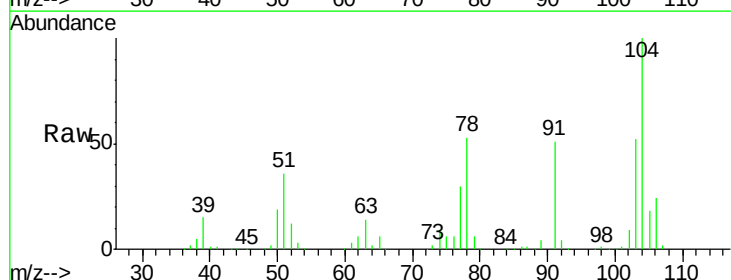


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

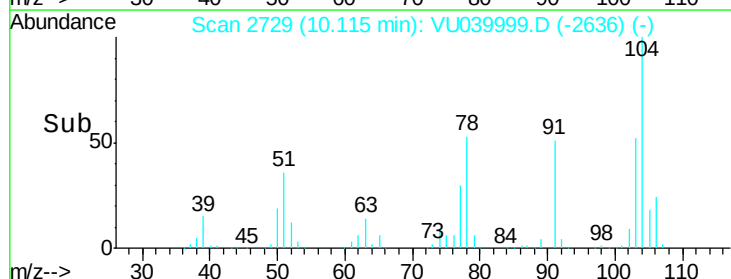
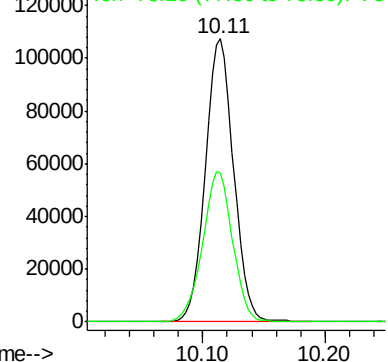


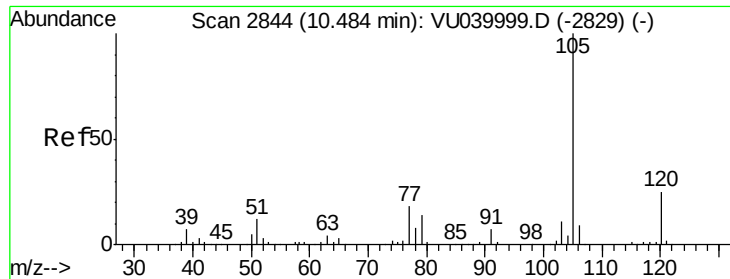
#55
Styrene
Concen: 5.358 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU039999.D
Acq: 31 Aug 2020 10:37

Tgt Ion:104 Resp: 172865
Ion Ratio Lower Upper
104 100
78 52.5 36.8 68.3



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





#56

Isopropylbenzene

Concen: 5.400 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU039999.D

Acq: 31 Aug 2020 10:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD00505

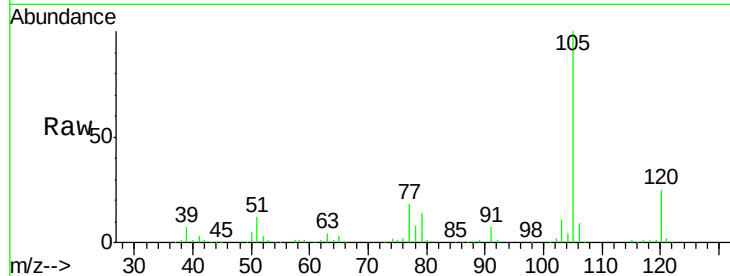
Tgt Ion:105 Resp: 271106

Ion Ratio Lower Upper

105 100

120 25.1 20.1 30.1

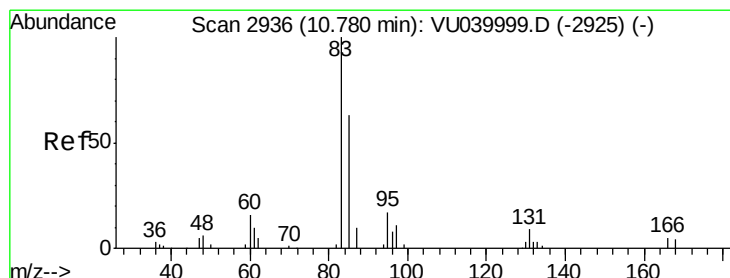
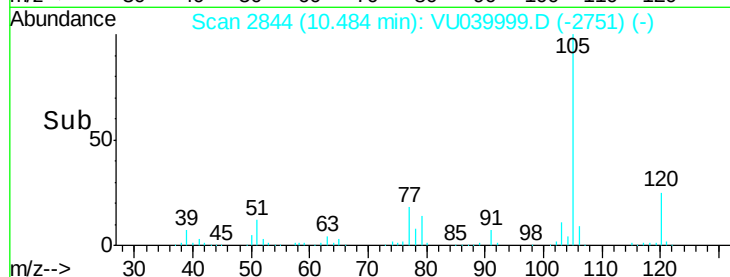
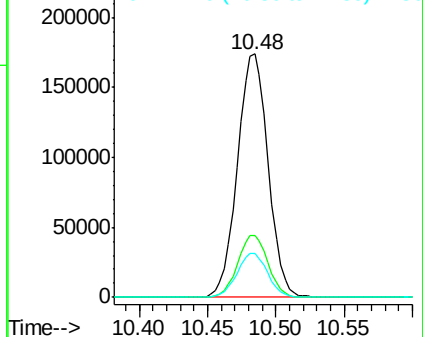
77 18.0 14.4 21.6



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: 4.996 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU039999.D

Acq: 31 Aug 2020 10:37

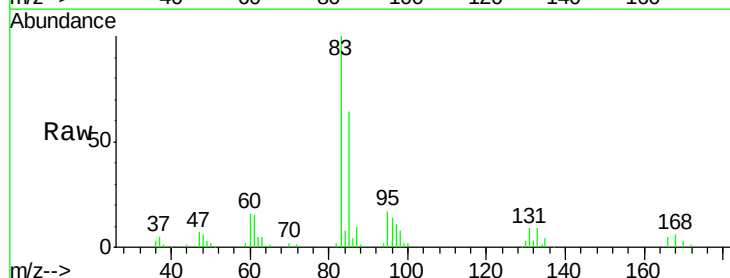
Tgt Ion: 83 Resp: 59921

Ion Ratio Lower Upper

83 100

85 64.1 44.9 83.3

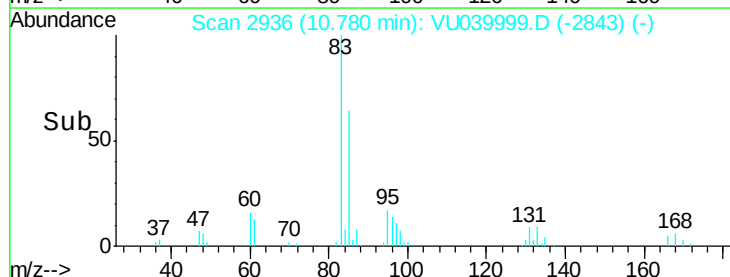
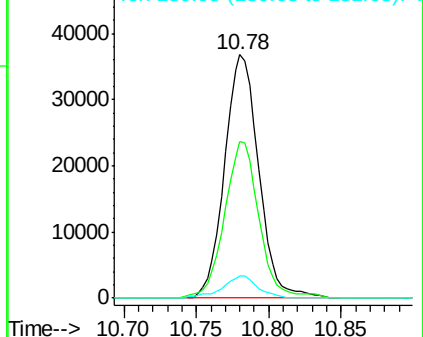
131 9.2 7.4 11.0

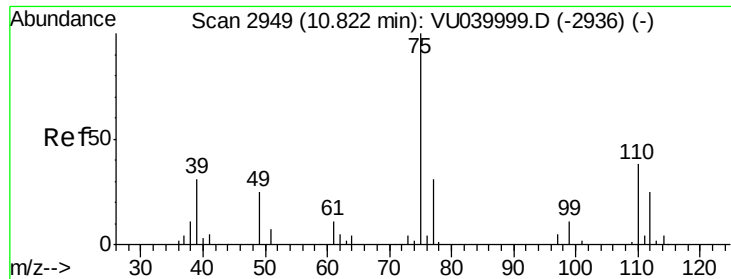


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

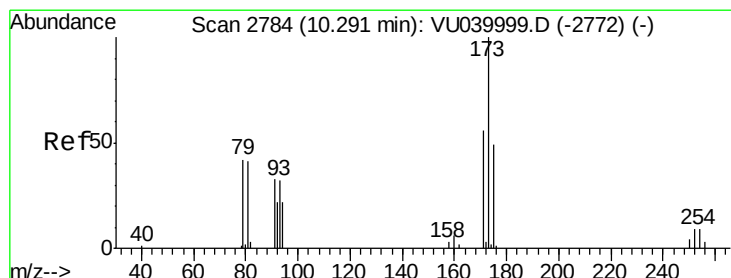
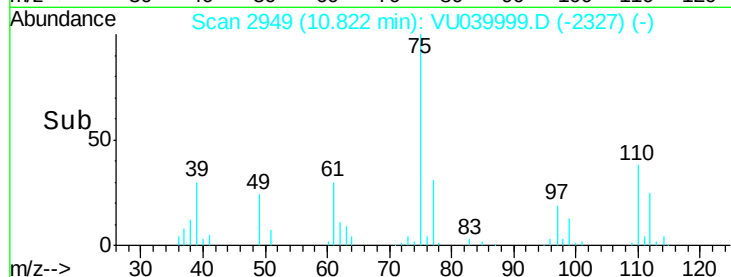
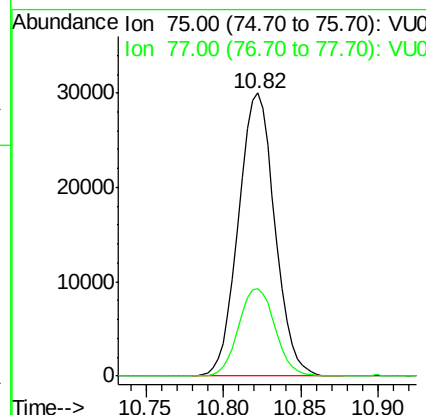
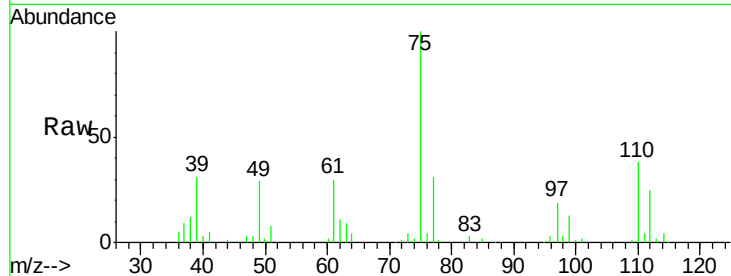




#59
 1,2,3-Trichloropropane
 Concen: 5.445 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. 0.00 min
 Lab File: VU039999.D
 Acq: 31 Aug 2020 10:37

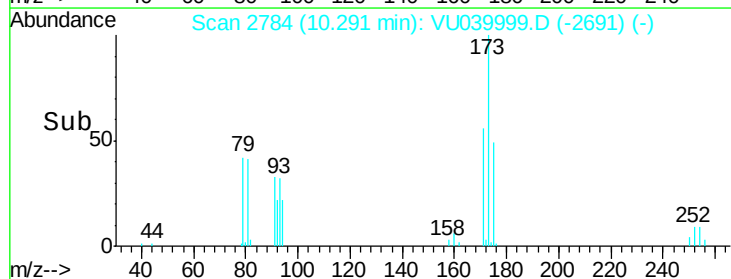
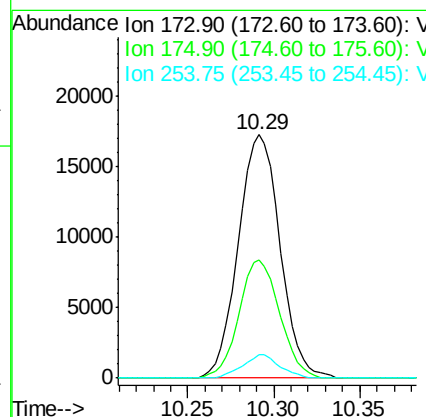
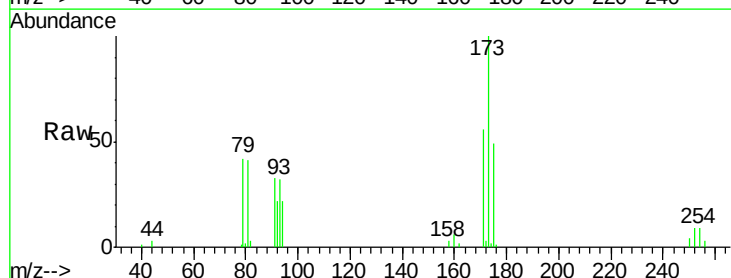
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00505

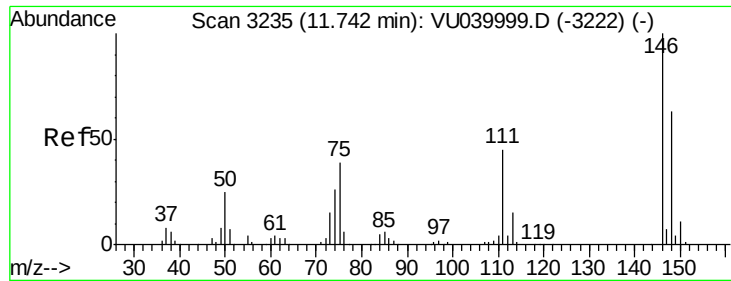
Tgt Ion: 75 Resp: 48978
 Ion Ratio Lower Upper
 75 100
 77 31.1 24.9 37.3



#61
 Bromoform
 Concen: 5.330 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: VU039999.D
 Acq: 31 Aug 2020 10:37

Tgt Ion: 173 Resp: 29263
 Ion Ratio Lower Upper
 173 100
 175 47.2 37.8 56.6
 254 8.5 6.8 10.2

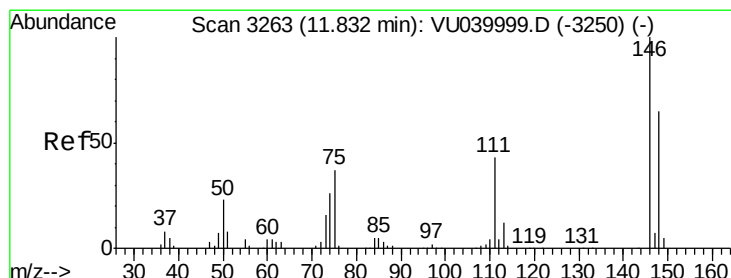
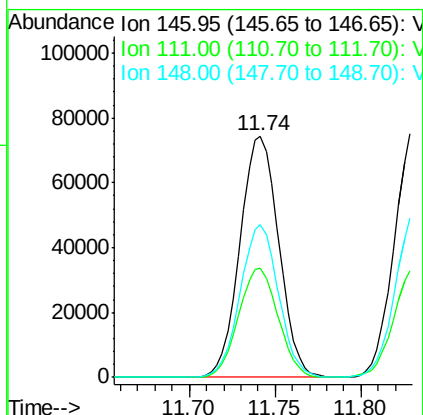
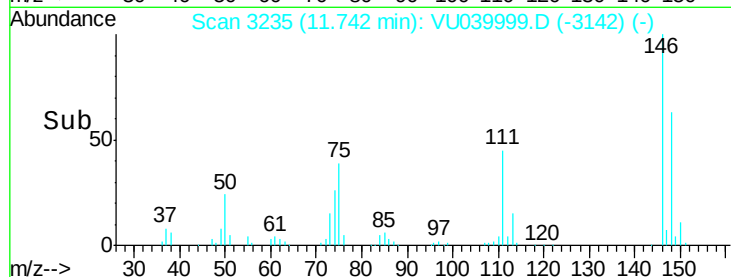
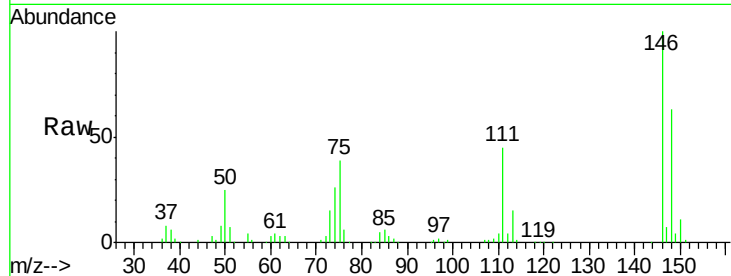




#62
 1,3-Dichlorobenzene
 Concen: 5.115 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU039999.D
 Acq: 31 Aug 2020 10:37

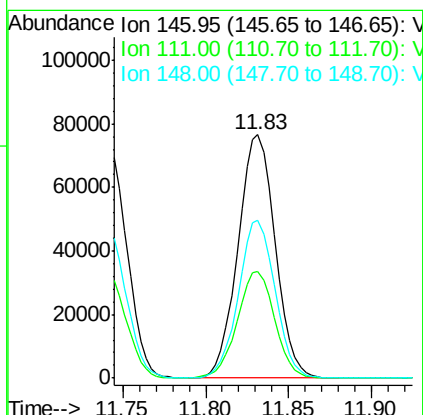
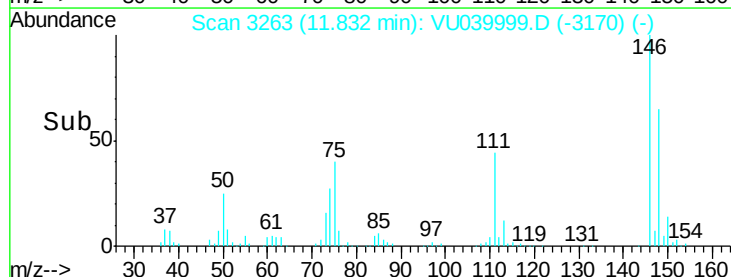
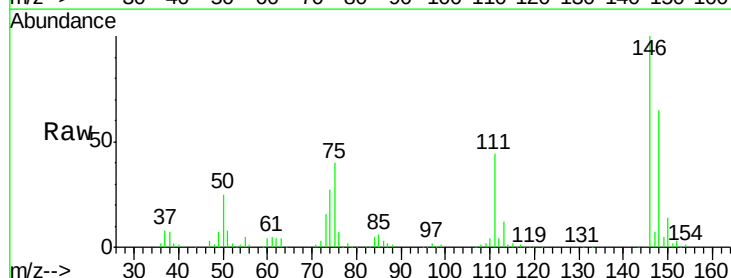
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00505

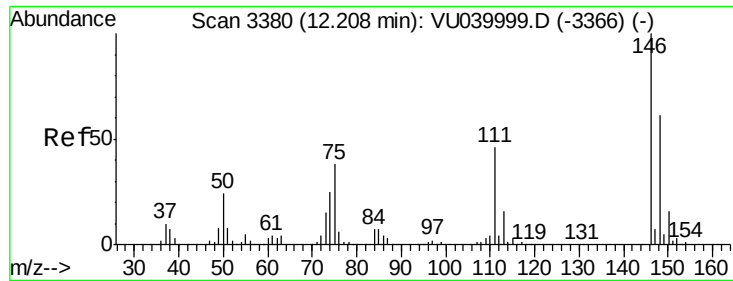
Tgt Ion:146 Resp: 116729
 Ion Ratio Lower Upper
 146 100
 111 45.2 31.6 58.8
 148 63.1 44.2 82.0



#63
 1,4-Dichlorobenzene
 Concen: 5.147 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU039999.D
 Acq: 31 Aug 2020 10:37

Tgt Ion:146 Resp: 119804
 Ion Ratio Lower Upper
 146 100
 111 43.6 30.5 56.7
 148 64.9 45.4 84.4

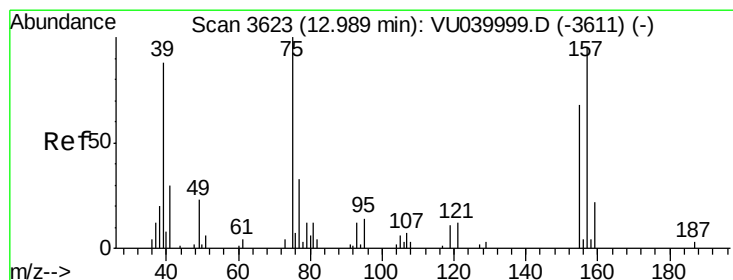
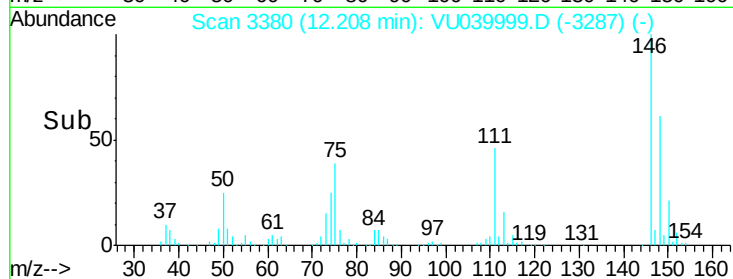
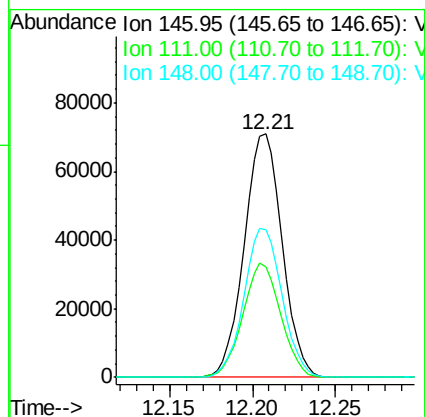
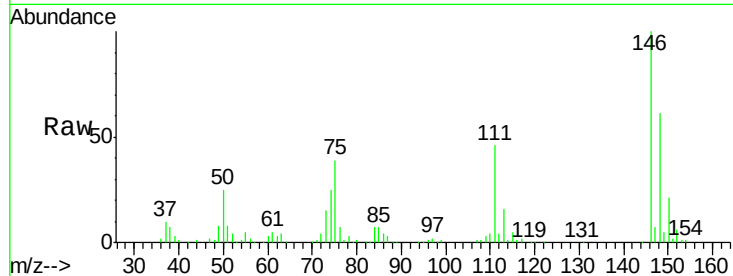




#65
 1,2-Dichlorobenzene
 Concen: 5.106 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU039999.D
 Acq: 31 Aug 2020 10:37

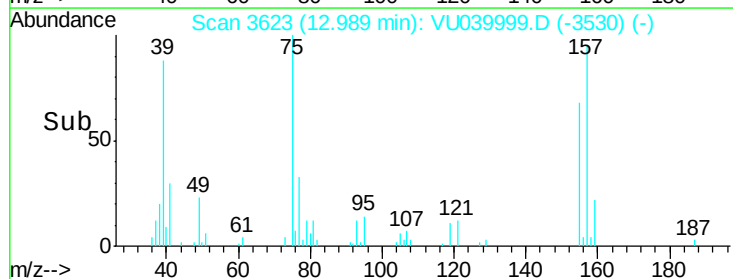
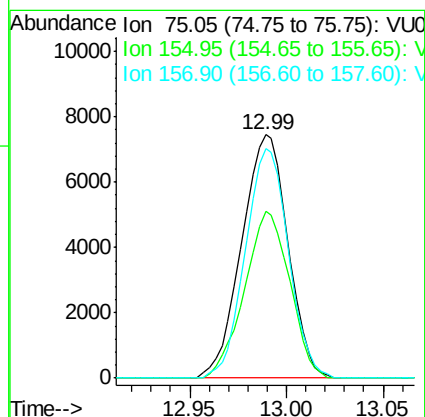
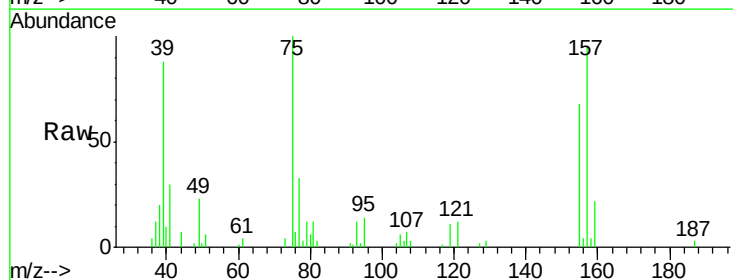
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00505

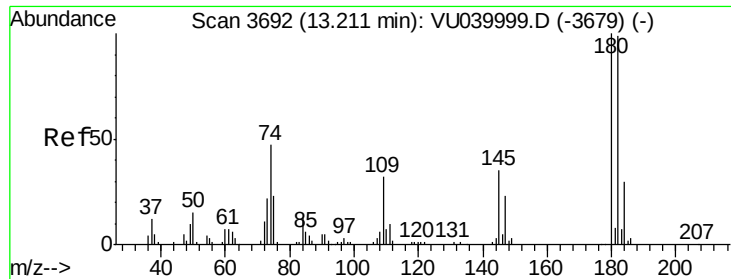
Tgt Ion: 146 Resp: 113021
 Ion Ratio Lower Upper
 146 100
 111 45.6 36.5 54.7
 148 60.7 48.6 72.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 6.434 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU039999.D
 Acq: 31 Aug 2020 10:37

Tgt Ion: 75 Resp: 12373
 Ion Ratio Lower Upper
 75 100
 155 68.3 54.6 82.0
 157 94.5 75.6 113.4

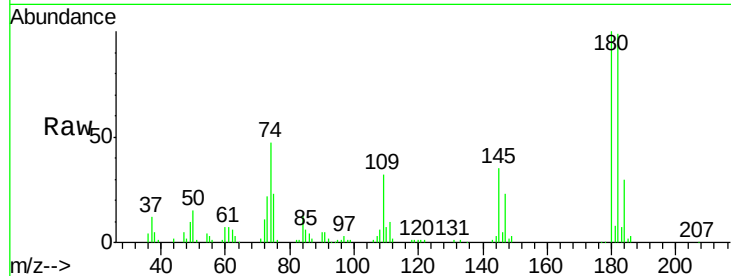




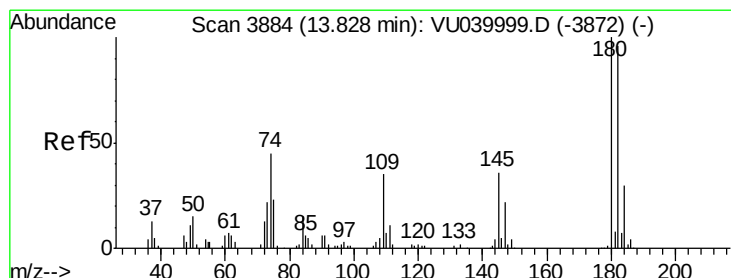
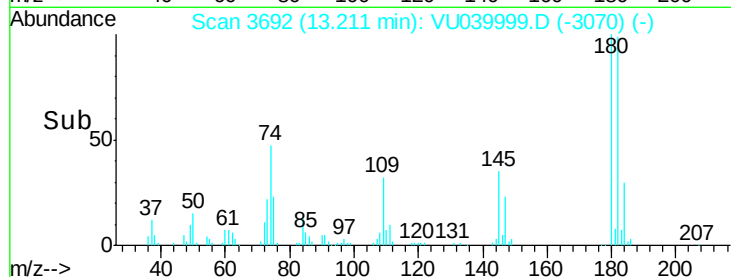
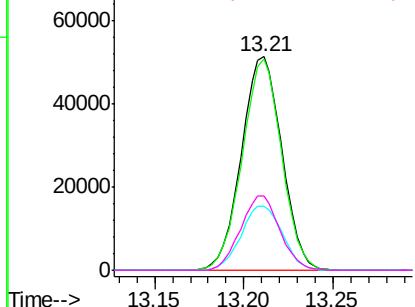
#67
 1,3,5-Trichlorobenzene
 Concen: 4.818 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU039999.D
 Acq: 31 Aug 2020 10:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00505

Tgt Ion:180 Resp: 81400
 Ion Ratio Lower Upper
 180 100
 182 96.1 76.9 115.3
 184 30.7 24.6 36.8
 145 33.8 27.0 40.6

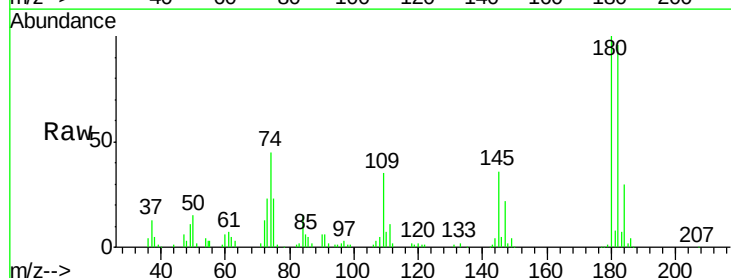


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

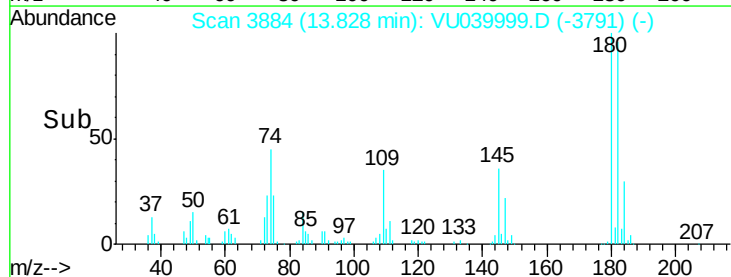
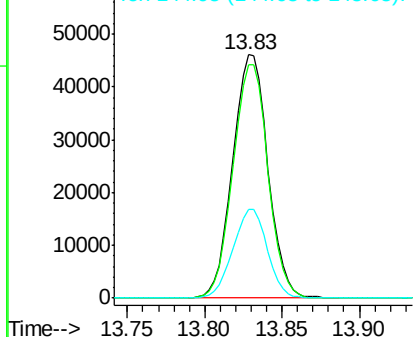


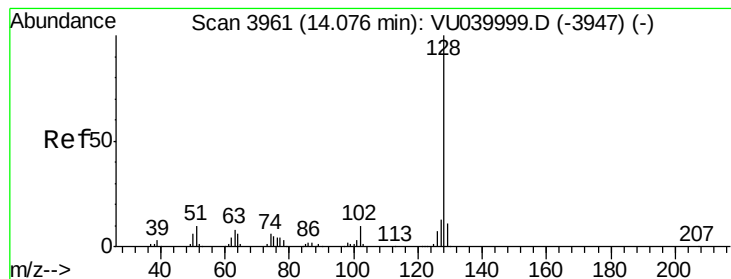
#68
 1,2,4-trichlorobenzene
 Concen: 5.029 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU039999.D
 Acq: 31 Aug 2020 10:37

Tgt Ion:180 Resp: 72828
 Ion Ratio Lower Upper
 180 100
 182 95.0 76.0 114.0
 145 35.5 28.4 42.6



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: 5.695 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU039999.D

Acq: 31 Aug 2020 10:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD00505

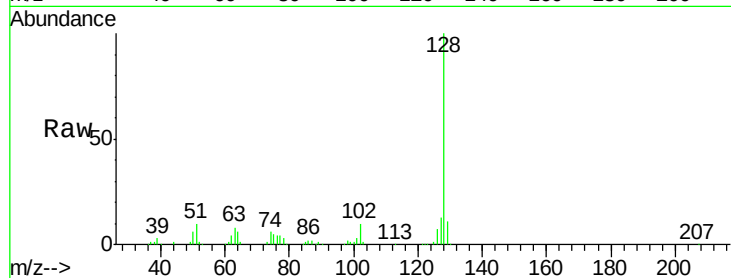
Tgt Ion:128 Resp: 157176

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

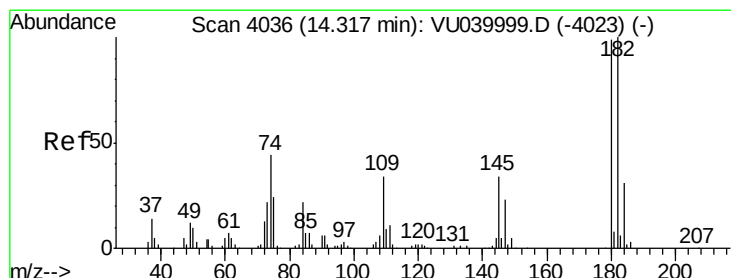
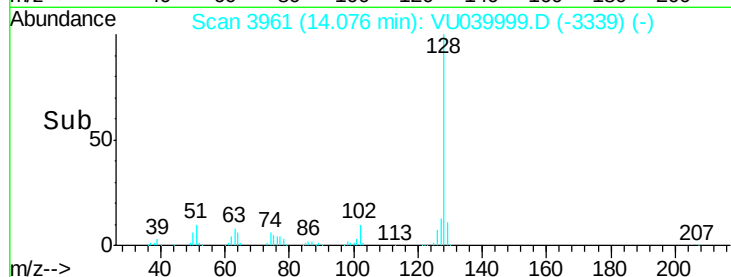
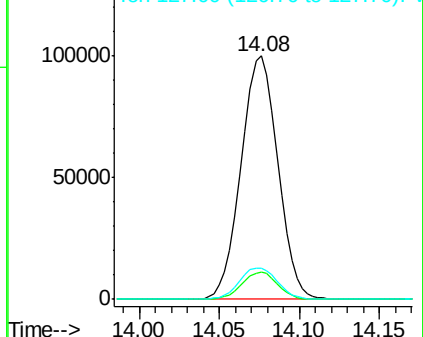
127 13.4 10.7 16.1



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: 4.964 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. 0.00 min

Lab File: VU039999.D

Acq: 31 Aug 2020 10:37

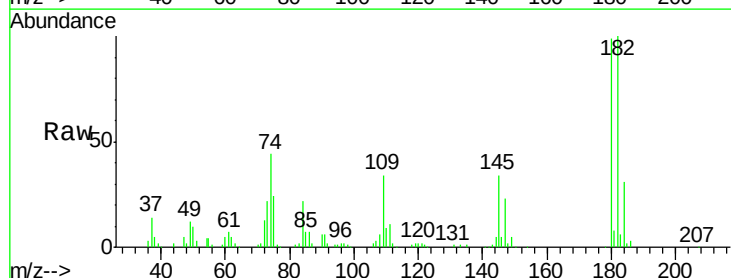
Tgt Ion:180 Resp: 66977

Ion Ratio Lower Upper

180 100

182 97.2 77.8 116.6

145 35.9 28.7 43.1



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

