

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121220\
 Data File : VU041577.D
 Acq On : 12 Dec 2020 19:01
 Operator : SY/MD
 Sample : VSTD02005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02005

Quant Time: Dec 13 09:49:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sun Dec 13 09:47:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	163698	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	151651	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	92738	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	263513	20.22	ug/L	0.00
7) Chloroethane-d5	1.92	69	202295	20.07	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	489135	20.60	ug/L	0.00
20) 2-Butanone-d5	4.66	46	805809	213.97	ug/L	0.00
24) Chloroform-d	5.08	84	449396	20.36	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	249160	20.29	ug/L	0.00
32) Benzene-d6	5.74	84	917461	21.03	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	281161	20.55	ug/L	0.00
41) Toluene-d8	7.91	98	839056	20.94	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	133565	21.35	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	790153	228.48	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.75	84	271643	22.00	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.19	152	331028	20.51	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	283127	19.672	ug/L 99
3) Chloromethane	1.53	50	270869	19.012	ug/L 97
5) Vinyl chloride	1.61	62	295069	19.364	ug/L 99
6) Bromomethane	1.87	94	185262	19.286	ug/L 100
8) Chloroethane	1.94	64	174323	17.000	ug/L 96
9) Trichlorofluoromethane	2.15	101	394062	19.536	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	230184	19.674	ug/L 99
12) 1,1-Dichloroethene	2.59	96	228634	19.927	ug/L 91
13) Acetone	2.66	43	471432	195.809	ug/L 98
14) Carbon disulfide	2.81	76	787491	19.637	ug/L 99
15) Methyl Acetate	2.97	43	122744	19.026	ug/L 96
16) Methylene chloride	3.06	84	250946	19.123	ug/L 98
17) Methyl tert-butyl Ether	3.38	73	633361	20.264	ug/L 99
18) trans-1,2-Dichloroethene	3.37	96	241243	19.708	ug/L 98
19) 1,1-Dichloroethane	3.89	63	423828	19.045	ug/L 97
21) 2-Butanone	4.74	43	867589	213.078	ug/L 98
22) cis-1,2-Dichloroethene	4.69	96	260043	19.633	ug/L 100
23) Bromochloromethane	4.99	128	117276	18.968	ug/L 94
25) Chloroform	5.11	83	435113	18.962	ug/L 99
27) 1,2-Dichloroethane	5.81	62	291558	18.899	ug/L 99
29) 1,1,1-Trichloroethane	5.33	97	369668	20.096	ug/L 99
30) Cyclohexane	5.40	56	436464	20.923	ug/L 99
31) Carbon tetrachloride	5.54	117	321276	19.992	ug/L 99
33) Benzene	5.79	78	1009994	19.589	ug/L 100
34) Trichloroethene	6.56	95	262384	20.201	ug/L 96
35) Methylcyclohexane	6.77	83	447971	21.498	ug/L 98
37) 1,2-Dichloropropane	6.80	63	254153	19.865	ug/L 100
38) Bromodichloromethane	7.11	83	322336	19.837	ug/L 99
39) cis-1,3-Dichloropropene	7.62	75	407214	20.561	ug/L 99
40) 4-Methyl-2-pentanone	7.80	43	1992969	206.886	ug/L 99

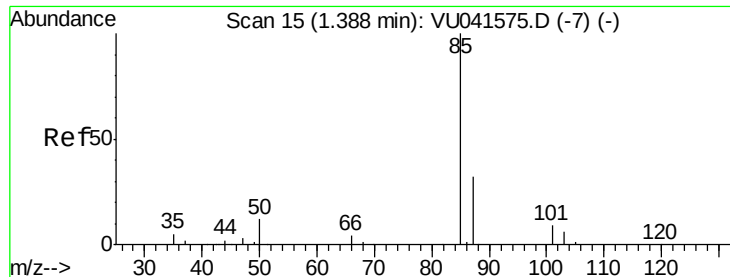
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121220\
 Data File : VU041577.D
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sun Dec 13 09:47:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.98	91	1061900	19.517	ug/L	99
44) trans-1,3-Dichloropropene	8.22	75	369518	20.802	ug/L	96
45) 1,1,2-Trichloroethane	8.41	97	196780	19.238	ug/L	97
47) Tetrachloroethene	8.56	164	180714	19.889	ug/L	98
48) 2-Hexanone	8.69	43	1481512	209.873	ug/L	99
49) Dibromochloromethane	8.82	129	226090	20.174	ug/L	100
50) 1,2-Dibromoethane	8.93	107	190049	19.541	ug/L	100
51) Chlorobenzene	9.45	112	659675	19.843	ug/L	99
52) Ethylbenzene	9.57	91	1170918	20.056	ug/L	99
53) m,p-Xylene	9.69	106	444009	19.527	ug/L	98
54) o-Xylene	10.10	106	439111	20.417	ug/L	99
55) Styrene	10.11	104	772357	20.611	ug/L	100
56) Isopropylbenzene	10.48	105	1180466	20.985	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.78	83	279941	20.961	ug/L	99
59) 1,2,3-Trichloropropane	10.82	75	196584	20.032	ug/L	99
61) Bromoform	10.29	173	147145	19.250	ug/L	98
62) 1,3-Dichlorobenzene	11.74	146	571254	19.060	ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	578635	18.947	ug/L	98
65) 1,2-Dichlorobenzene	12.21	146	558922	19.381	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.99	75	49522	17.609	ug/L #	81
67) 1,3,5-Trichlorobenzene	13.21	180	448154	19.535	ug/L	100
68) 1,2,4-trichlorobenzene	13.83	180	364558	17.242	ug/L	99
69) Naphthalene	14.07	128	811591	19.368	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	327930	16.634	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 19.672 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU041577.D

Acq: 12 Dec 2020 19:01

Instrument :

MSVOA_U

ClientSampleId :

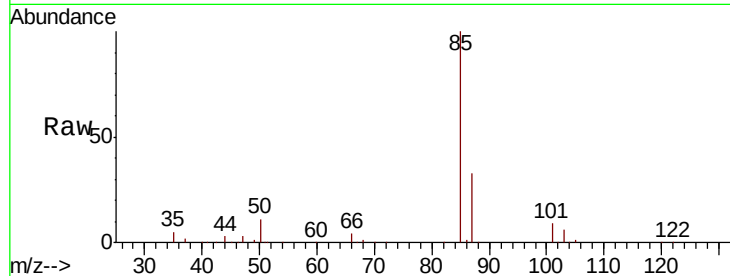
VSTD02005

Tot Ion: 85 Resp: 283127

Ion Ratio Lower Upper

85 100

87 32.6 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

1.39

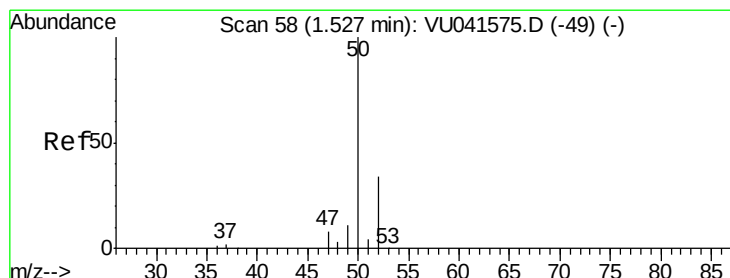
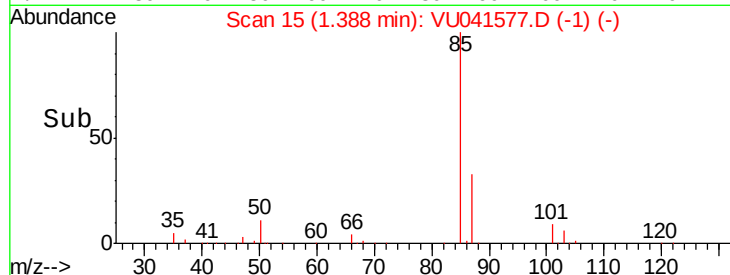
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 19.012 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU041577.D

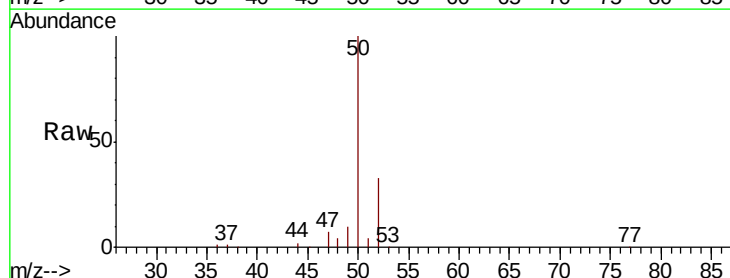
Acq: 12 Dec 2020 19:01

Tgt Ion: 50 Resp: 270869

Ion Ratio Lower Upper

50 100

52 32.8 24.1 44.8



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0

1.53

250000

200000

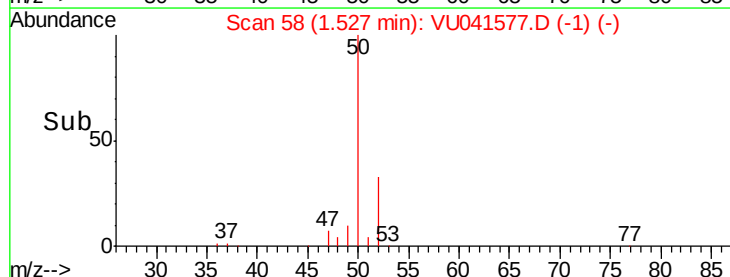
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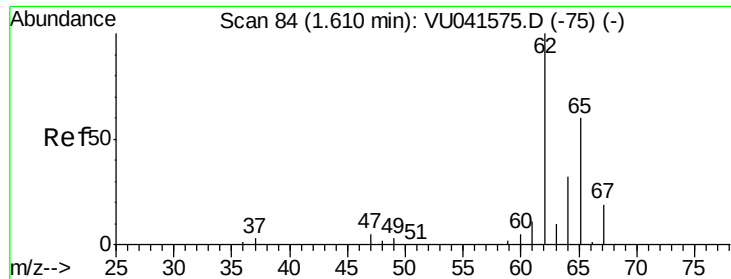
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 19.364 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU041577.D

Acq: 12 Dec 2020 19:01

Instrument :

MSVOA_U

ClientSampleId :

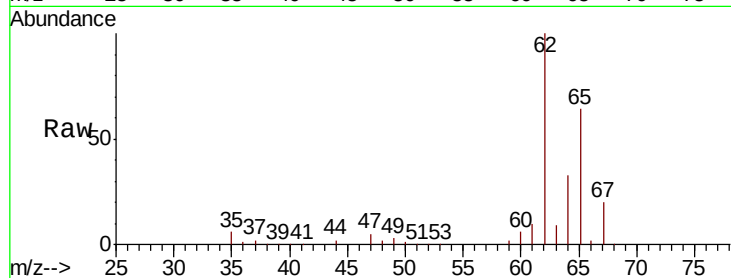
VSTD02005

Tot Ion: 62 Resp: 295069

Ion Ratio Lower Upper

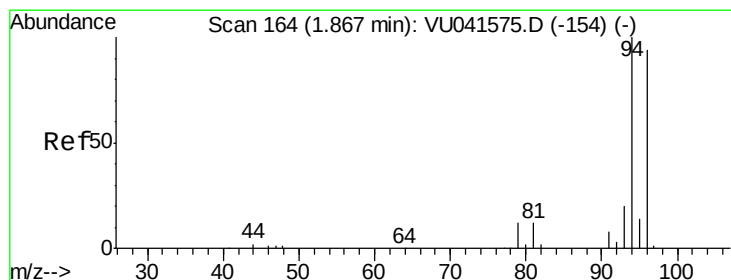
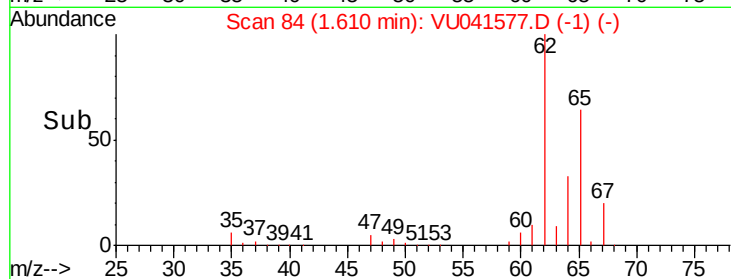
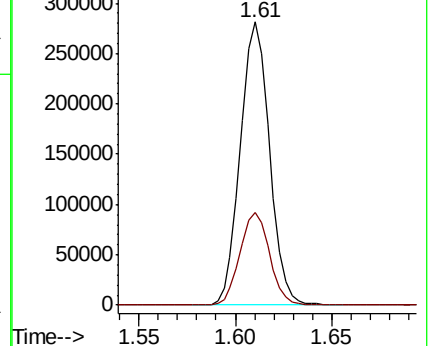
62 100

64 32.9 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 19.286 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU041577.D

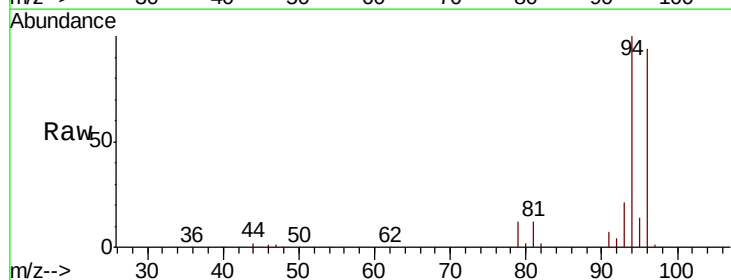
Acq: 12 Dec 2020 19:01

Tgt Ion: 94 Resp: 185262

Ion Ratio Lower Upper

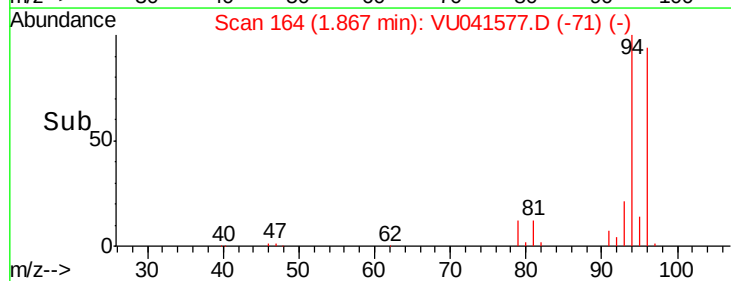
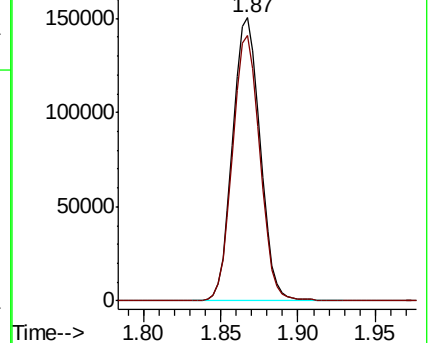
94 100

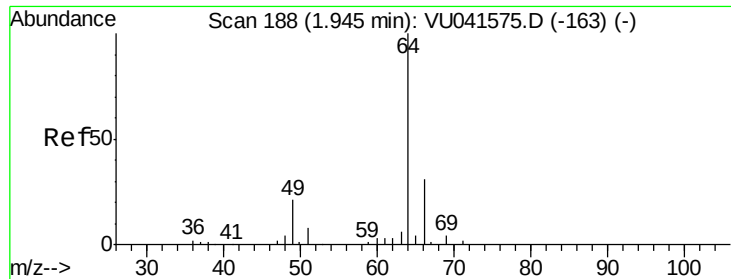
96 93.7 65.7 121.9



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

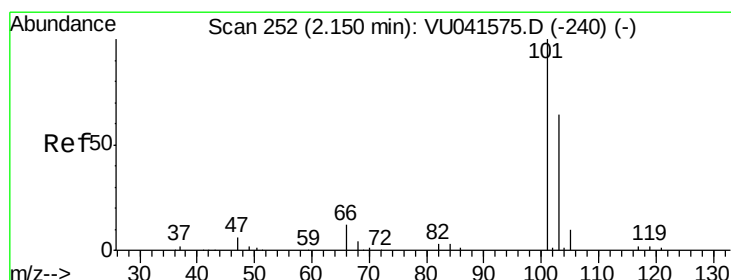
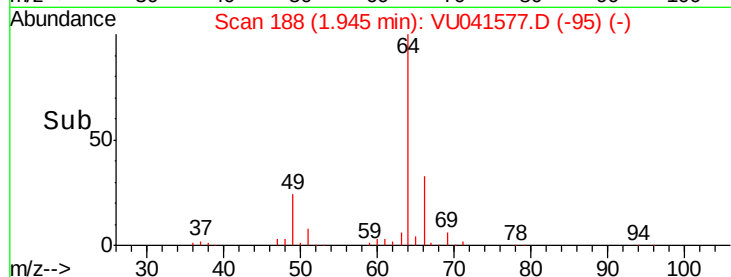
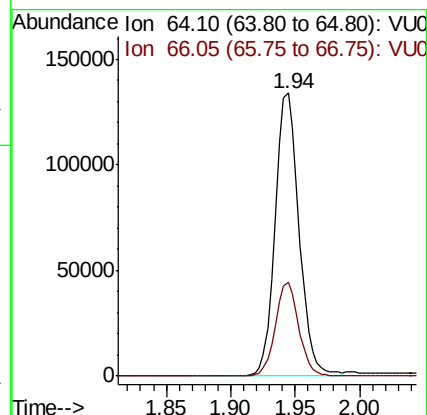
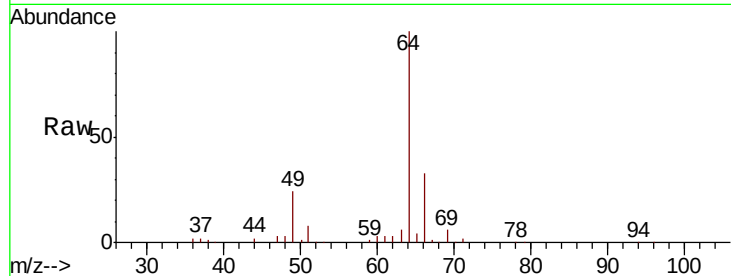




#8
Chloroethane
Concen: 17.000 ug/L
RT: 1.94 min Scan# 188
Delta R.T. -0.00 min
Lab File: VU041577.D
Acq: 12 Dec 2020 19:01

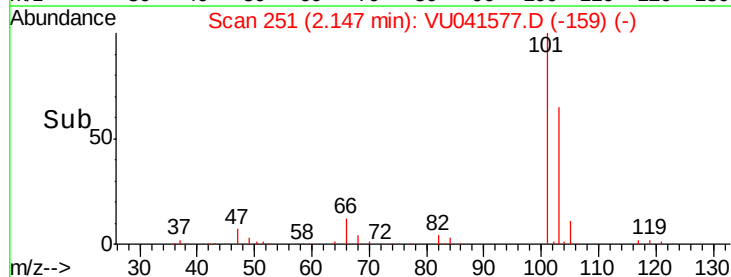
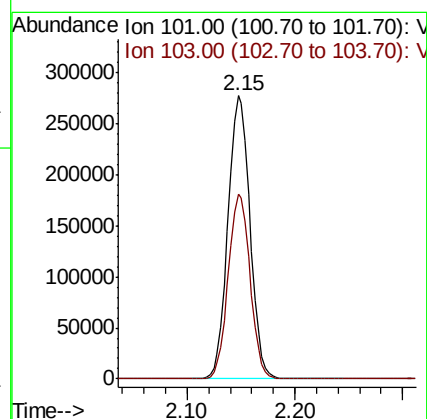
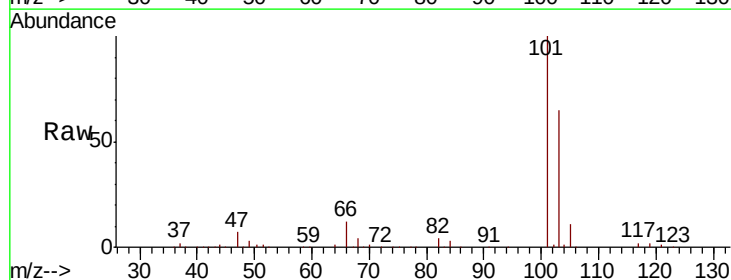
Instrument :
MSVOA_U
ClientSampleId :
VSTD02005

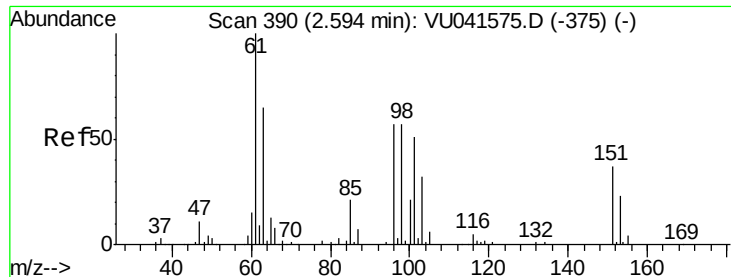
Tot Ion: 64 Resp: 174323
Ion Ratio Lower Upper
64 100
66 33.1 21.6 40.0



#9
Trichlorofluoromethane
Concen: 19.536 ug/L
RT: 2.15 min Scan# 251
Delta R.T. -0.00 min
Lab File: VU041577.D
Acq: 12 Dec 2020 19:01

Tgt Ion: 101 Resp: 394062
Ion Ratio Lower Upper
101 100
103 64.7 51.1 76.7





#10

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

Concen: 19.674 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU041577.D

Acq: 12 Dec 2020 19:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD02005

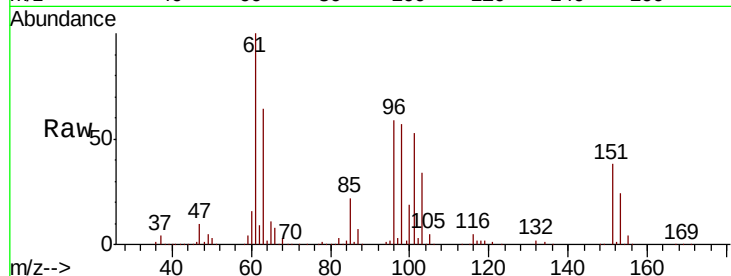
Tot Ion:101 Resp: 230184

Ion Ratio Lower Upper

101 100

85 42.5 33.6 50.4

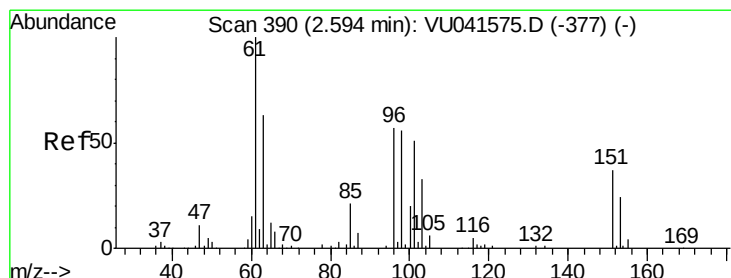
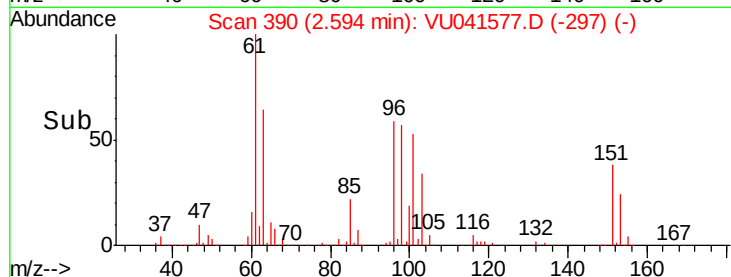
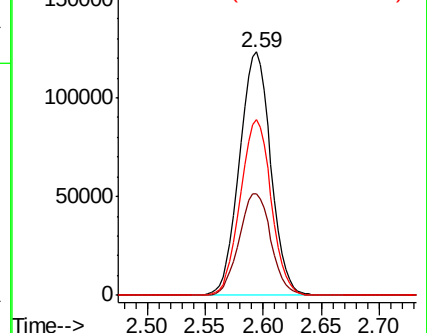
151 71.4 56.2 84.4



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: 19.927 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU041577.D

Acq: 12 Dec 2020 19:01

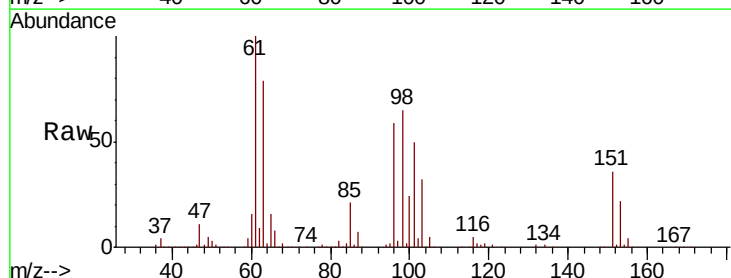
Tgt Ion: 96 Resp: 228634

Ion Ratio Lower Upper

96 100

61 170.9 123.8 230.0

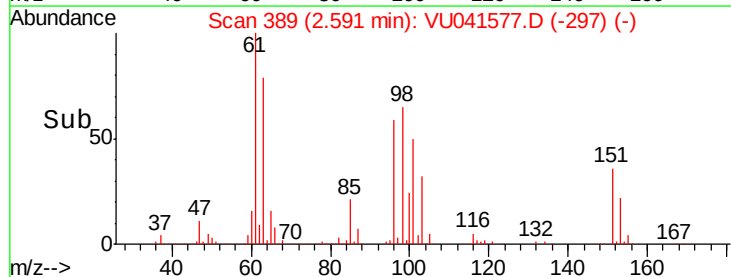
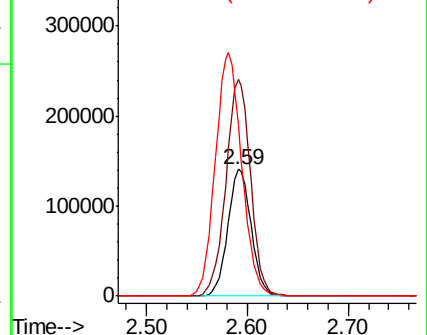
63 134.7 81.0 150.4

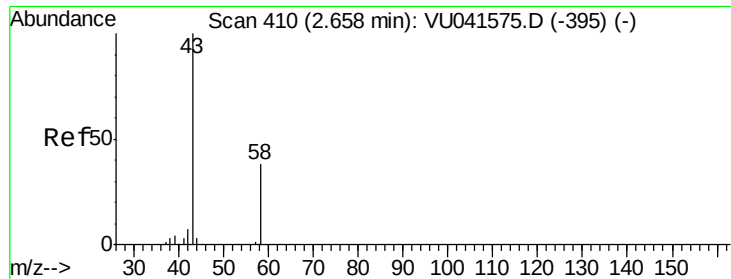


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 195.809 ug/L

RT: 2.66 min Scan# 412

Delta R.T. 0.01 min

Lab File: VU041577.D

Acq: 12 Dec 2020 19:01

Instrument :

MSVOA_U

ClientSampleId :

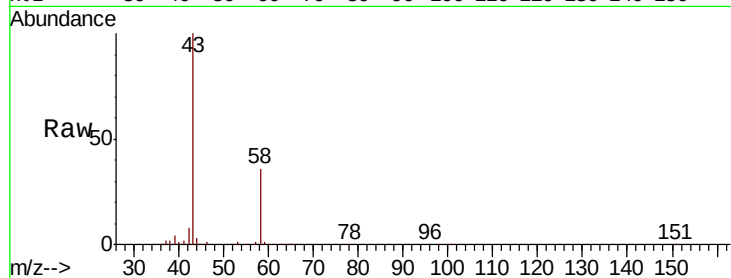
VSTD02005

Tot Ion: 43 Resp: 471432

Ion Ratio Lower Upper

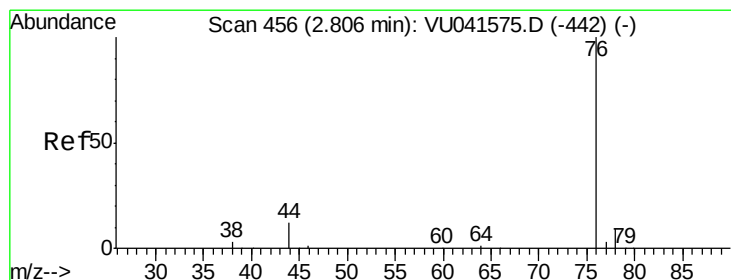
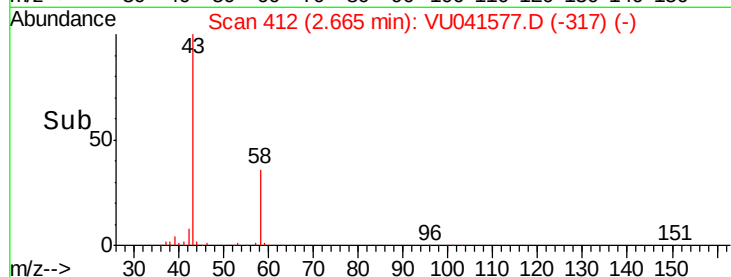
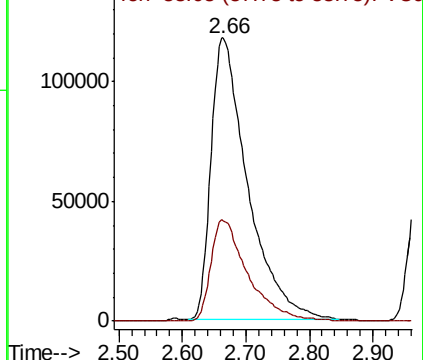
43 100

58 35.7 0.0 73.2



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#14

Carbon disulfide

Concen: 19.637 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU041577.D

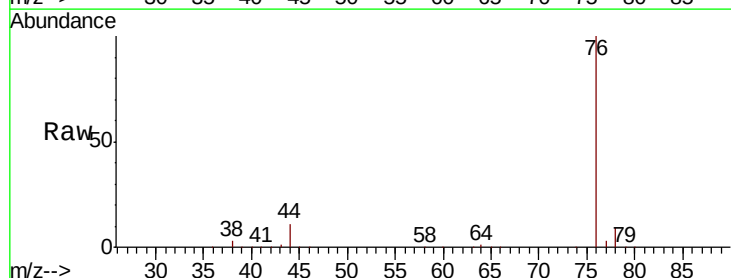
Acq: 12 Dec 2020 19:01

Tgt Ion: 76 Resp: 787491

Ion Ratio Lower Upper

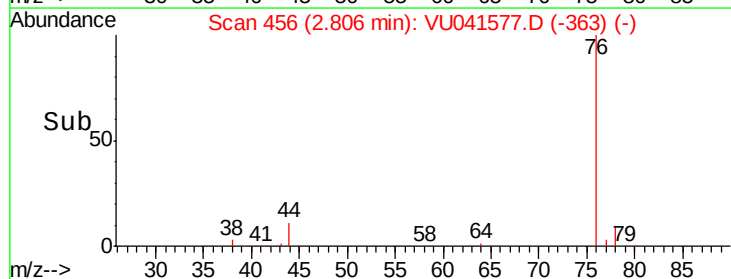
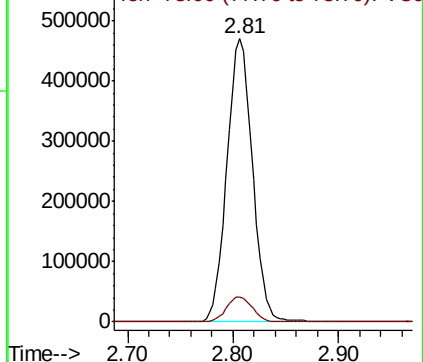
76 100

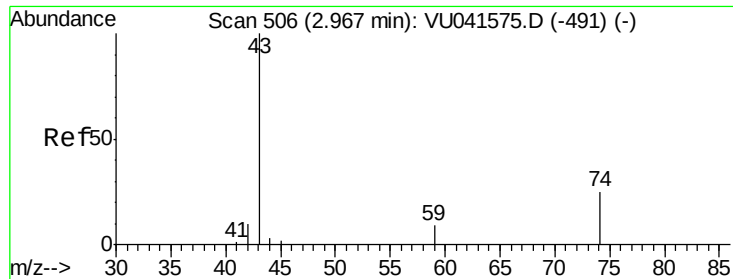
78 9.0 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

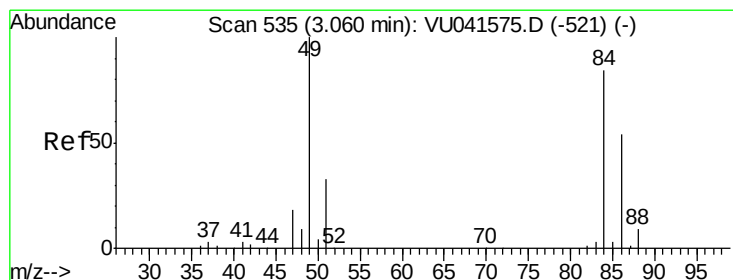
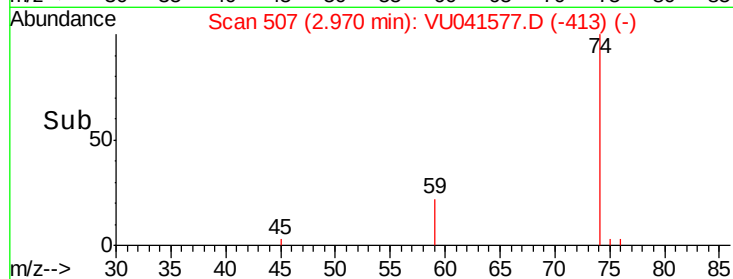
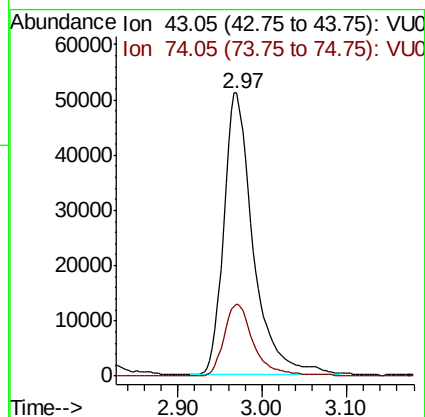
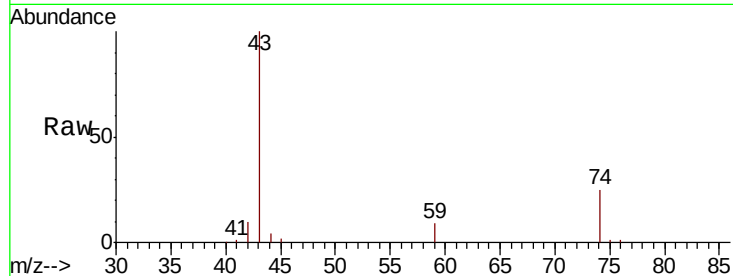




#15
Methvl Acetate
Concen: 19.026 ug/L
RT: 2.97 min Scan# 507
Delta R.T. 0.00 min
Lab File: VU041577.D
Acq: 12 Dec 2020 19:01

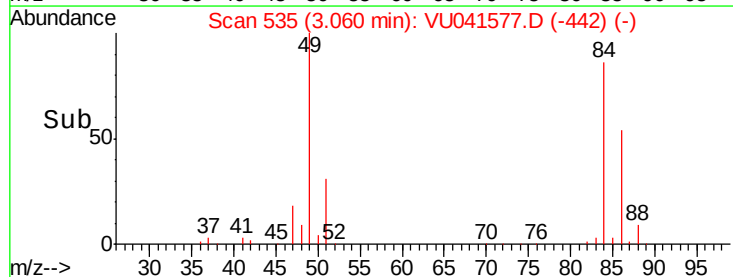
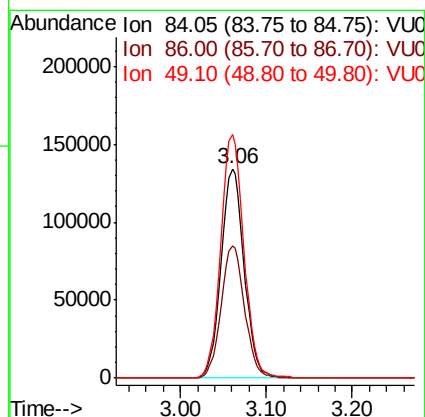
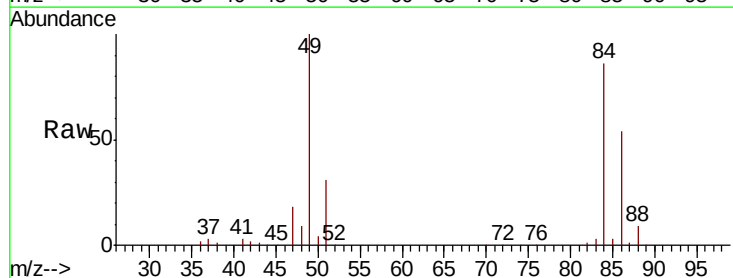
Instrument :
MSVOA_U
ClientSampleId :
VSTD02005

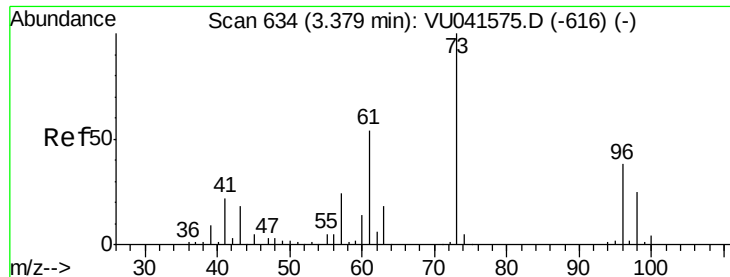
Tot Ion: 43 Resp: 122744
Ion Ratio Lower Upper
43 100
74 25.8 19.2 28.8



#16
Methylene chloride
Concen: 19.123 ug/L
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU041577.D
Acq: 12 Dec 2020 19:01

Tgt Ion: 84 Resp: 250946
Ion Ratio Lower Upper
84 100
86 63.4 45.1 83.7
49 116.4 83.1 154.3

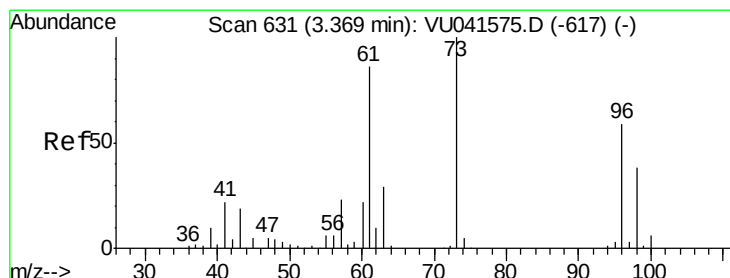
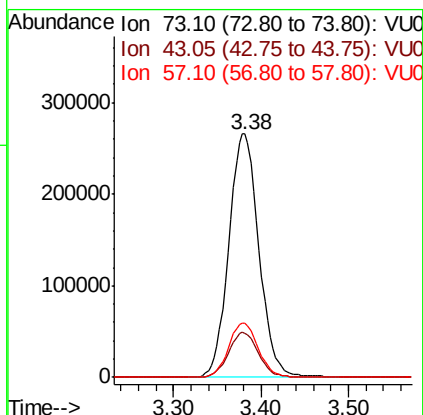
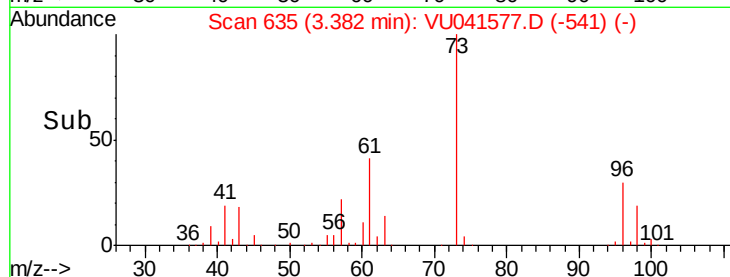
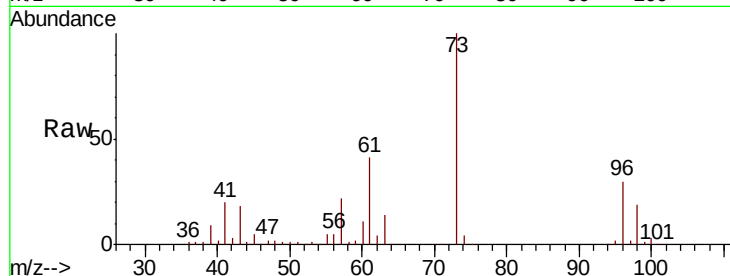




#17
Methyl tert-butyl Ether
Concen: 20.264 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU041577.D
Acq: 12 Dec 2020 19:01

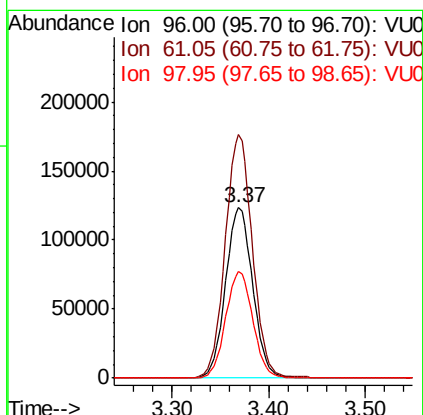
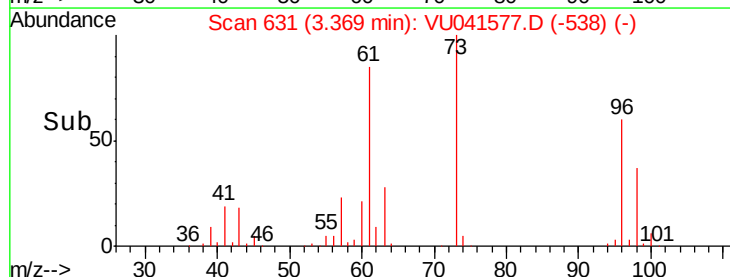
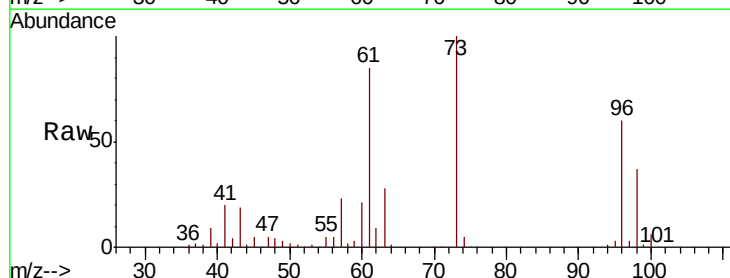
Instrument :
MSVOA_U
ClientSampleId :
VSTD02005

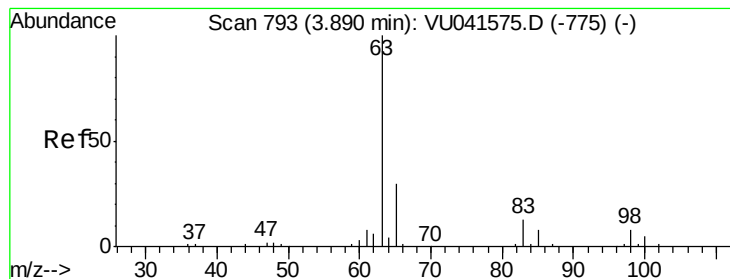
Tot Ion: 73 Resp: 633361
Ion Ratio Lower Upper
73 100
43 18.4 14.7 22.1
57 22.2 18.2 27.4



#18
trans-1,2-Dichloroethene
Concen: 19.708 ug/L
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU041577.D
Acq: 12 Dec 2020 19:01

Tgt Ion: 96 Resp: 241243
Ion Ratio Lower Upper
96 100
61 142.9 101.8 189.0
98 62.5 44.4 82.5





#19

1,1-Dichloroethane

Concen: 19.045 ug/L

RT: 3.89 min Scan# 793

Delta R.T. -0.00 min

Lab File: VU041577.D

Acq: 12 Dec 2020 19:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD02005

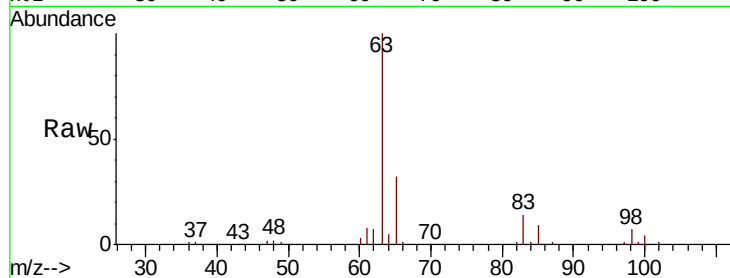
Tot Ion: 63 Resp: 423828

Ion Ratio Lower Upper

63 100

65 32.4 21.3 39.6

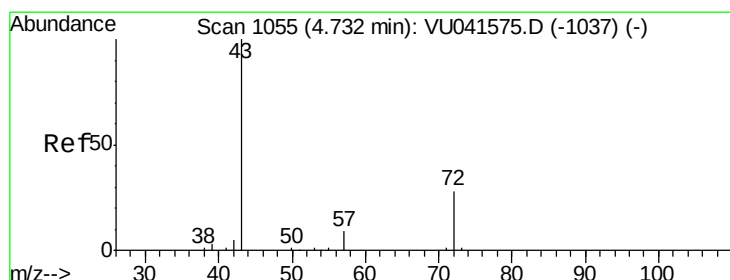
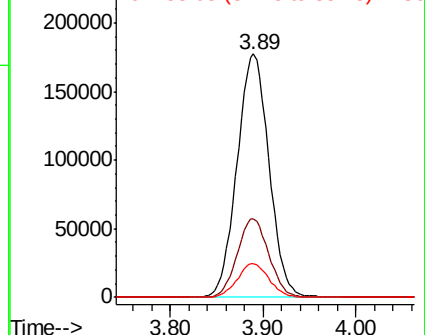
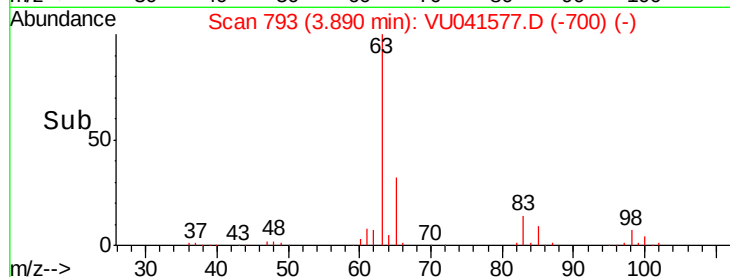
83 13.8 9.3 17.3



Abundance Ion 63.10 (62.80 to 63.80): VU041577.D (-700) (-)

Ion 65.10 (64.80 to 65.80): VU041577.D (-700) (-)

Ion 83.05 (82.75 to 83.75): VU041577.D (-700) (-)



#21

2-Butanone

Concen: 213.078 ug/L

RT: 4.74 min Scan# 1056

Delta R.T. 0.00 min

Lab File: VU041577.D

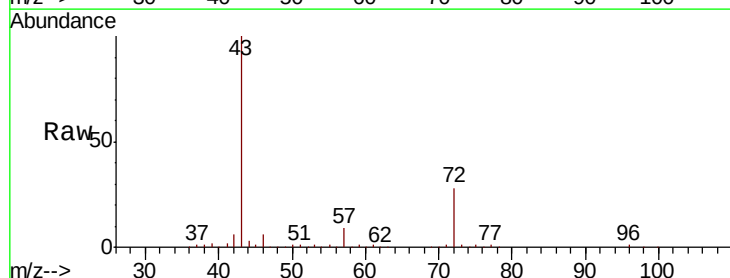
Acq: 12 Dec 2020 19:01

Tgt Ion: 43 Resp: 867589

Ion Ratio Lower Upper

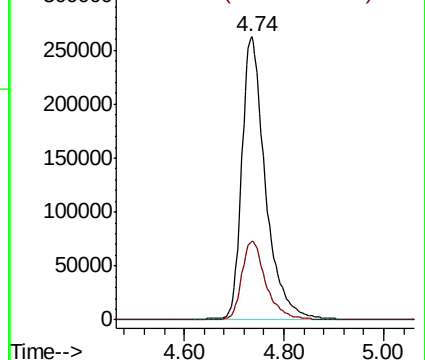
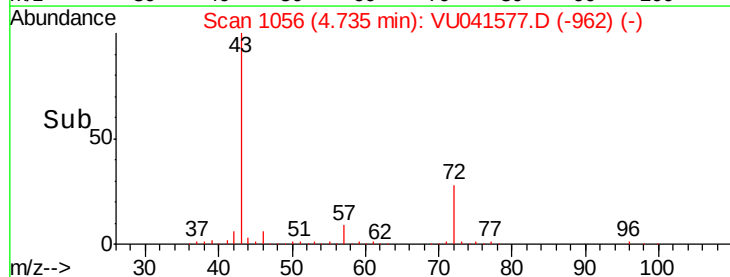
43 100

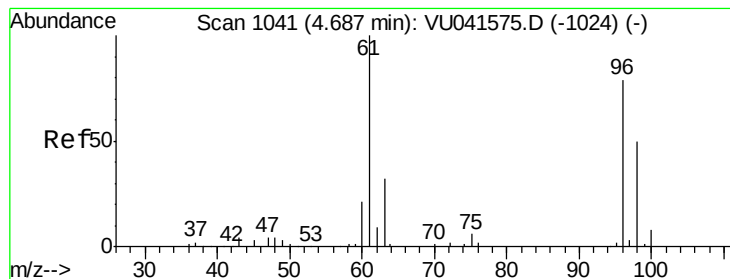
72 28.5 14.6 44.0



Abundance Ion 43.05 (42.75 to 43.75): VU041577.D (-962) (-)

Ion 72.10 (71.80 to 72.80): VU041577.D (-962) (-)





#22

cis-1,2-Dichloroethene

Concen: 19.633 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. -0.00 min

Lab File: VU041577.D

Acq: 12 Dec 2020 19:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD02005

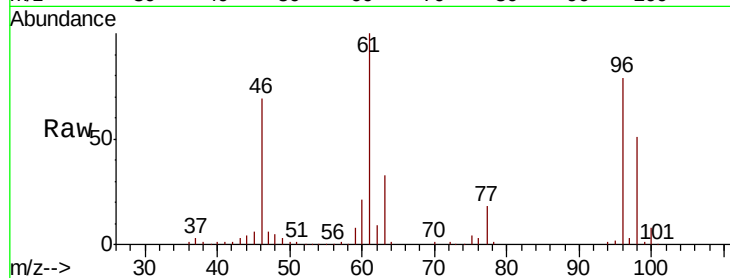
Tot Ion: 96 Resp: 260043

Ion Ratio Lower Upper

96 100

61 126.8 88.8 165.0

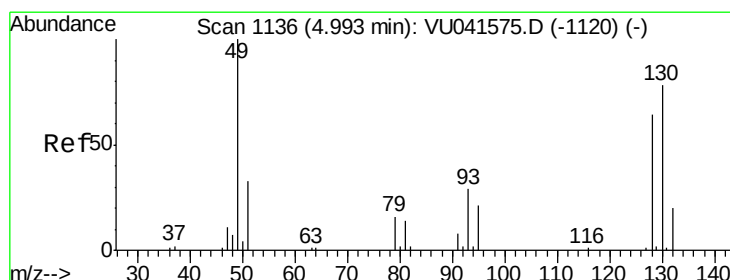
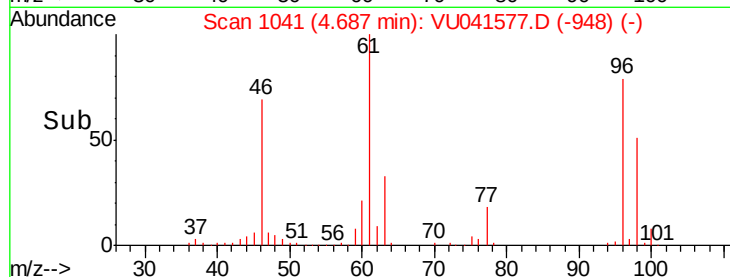
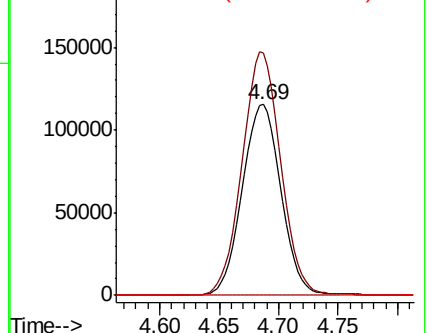
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 18.968 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VU041577.D

Acq: 12 Dec 2020 19:01

Tgt Ion: 128 Resp: 117276

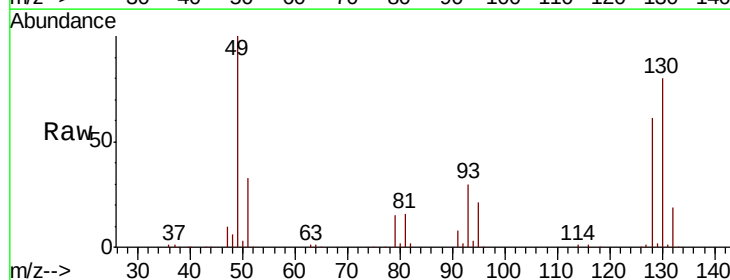
Ion Ratio Lower Upper

128 100

49 163.5 109.3 203.1

130 130.6 84.8 157.6

51 53.6 40.6 61.0

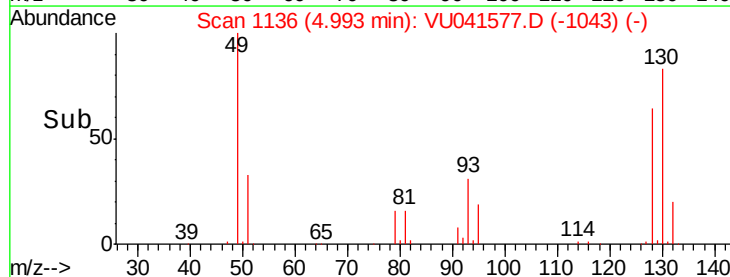
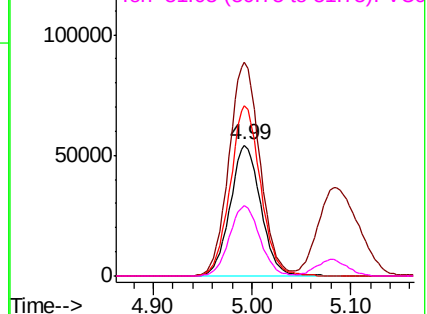


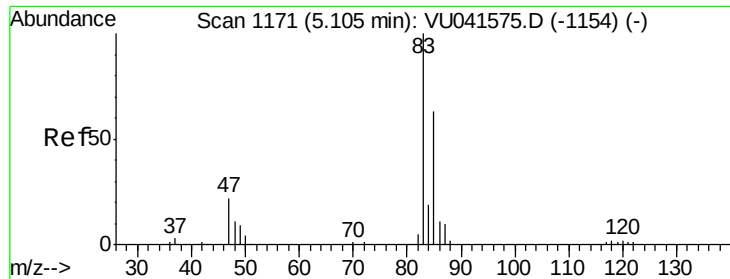
Abundance Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

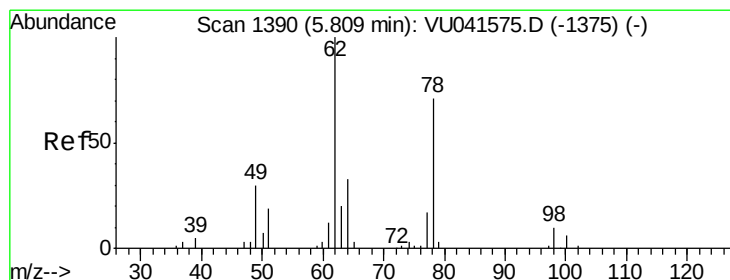
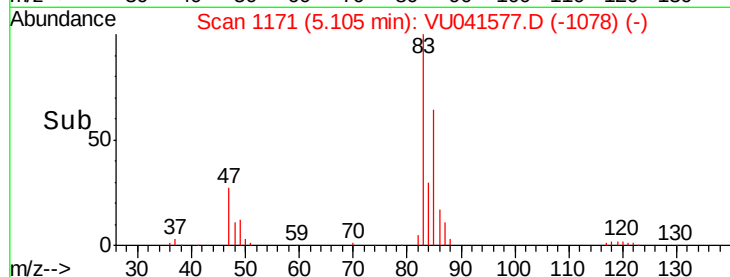
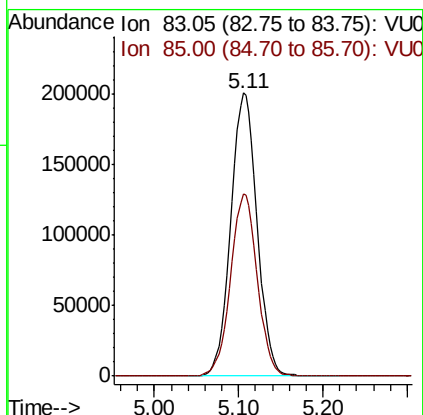
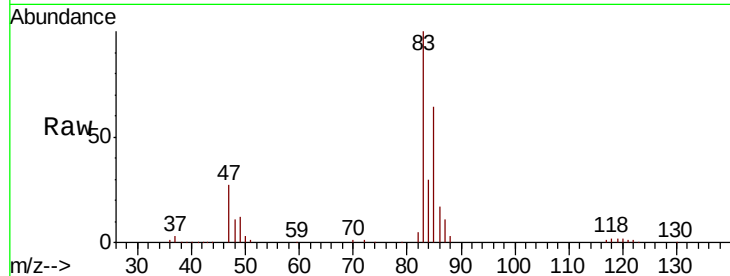




#25
Chloroform
Concen: 18.962 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU041577.D
Acq: 12 Dec 2020 19:01

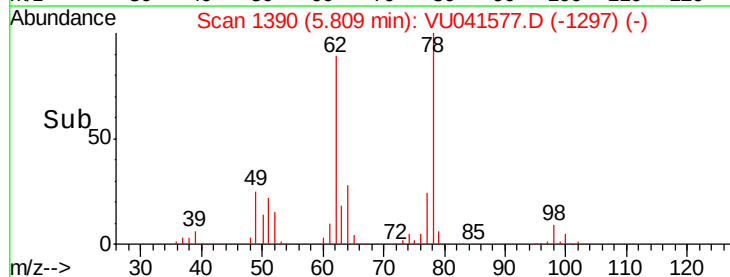
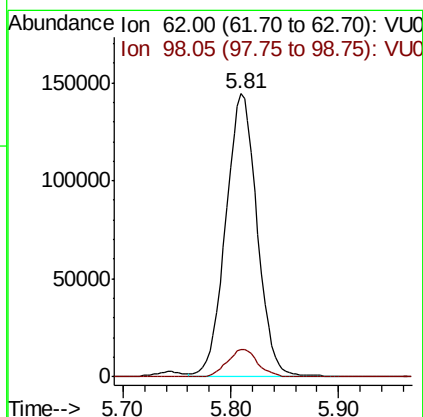
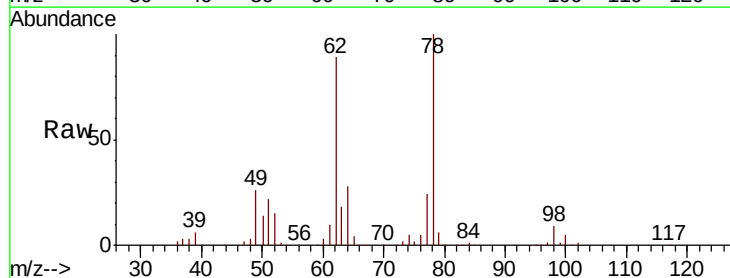
Instrument :
MSVOA_U
ClientSampleId :
VSTD02005

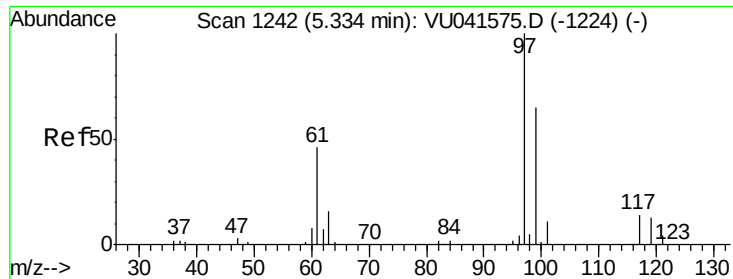
Tot Ion: 83 Resp: 435113
Ion Ratio Lower Upper
83 100
85 64.2 44.2 82.0



#27
1,2-Dichloroethane
Concen: 18.899 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU041577.D
Acq: 12 Dec 2020 19:01

Tgt Ion: 62 Resp: 291558
Ion Ratio Lower Upper
62 100
98 9.8 8.2 12.2

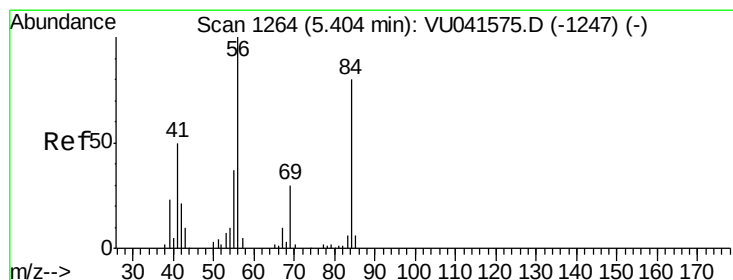
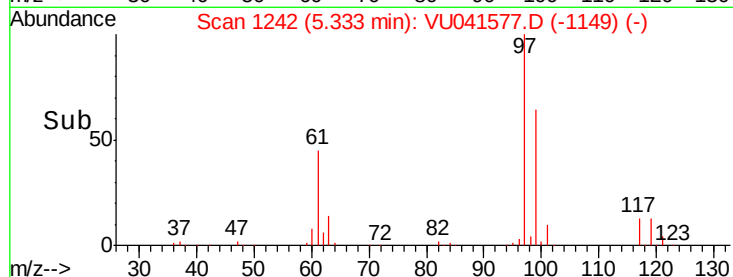
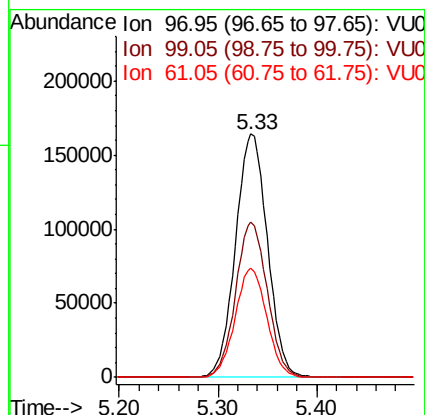
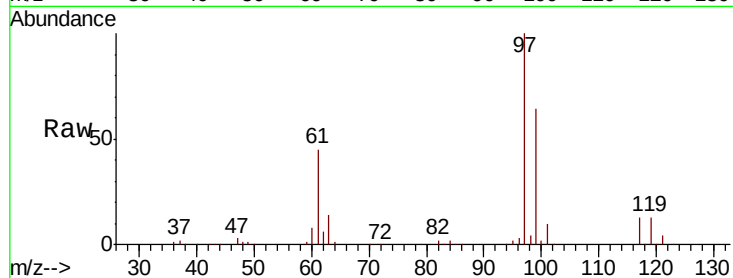




#29
 1,1,1-Trichloroethane
 Concen: 20.096 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VU041577.D
 Acq: 12 Dec 2020 19:01

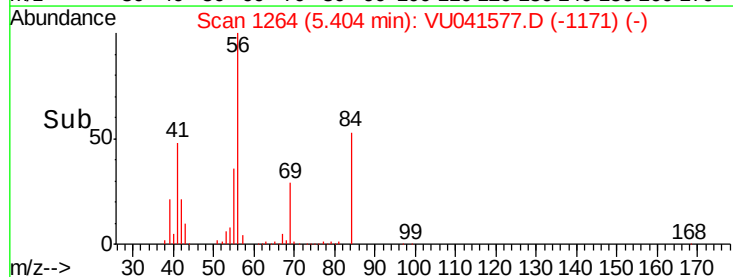
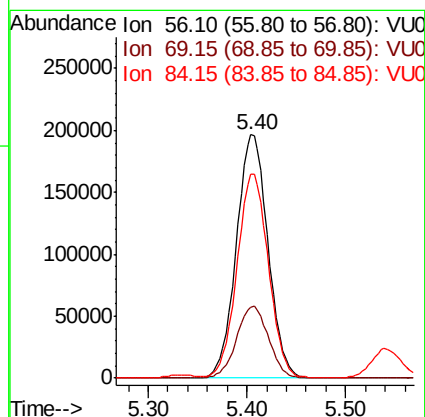
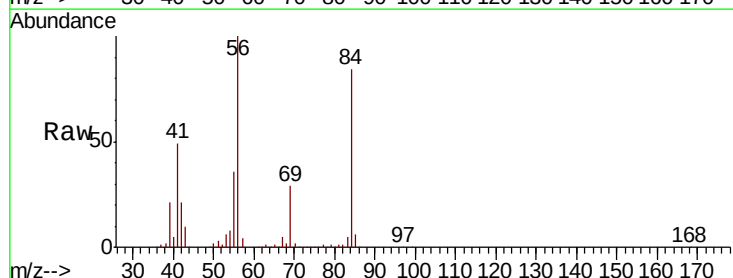
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02005

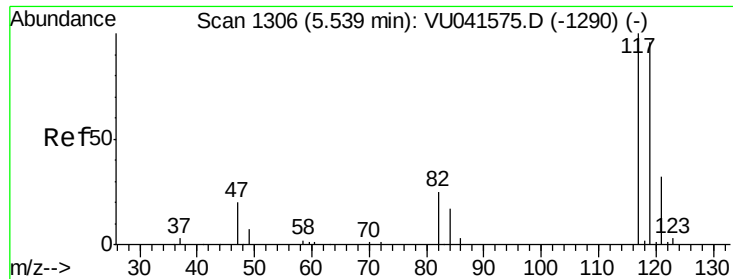
Tot Ion: 97 Resp: 369668
 Ion Ratio Lower Upper
 97 100
 99 63.3 51.3 76.9
 61 44.5 36.5 54.7



#30
 Cyclohexane
 Concen: 20.923 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VU041577.D
 Acq: 12 Dec 2020 19:01

Tgt Ion: 56 Resp: 436464
 Ion Ratio Lower Upper
 56 100
 69 29.8 23.8 35.8
 84 83.8 66.2 99.4

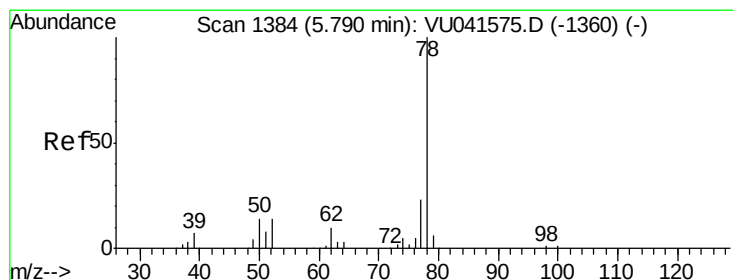
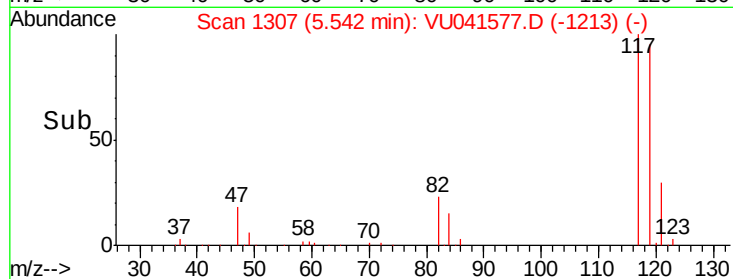
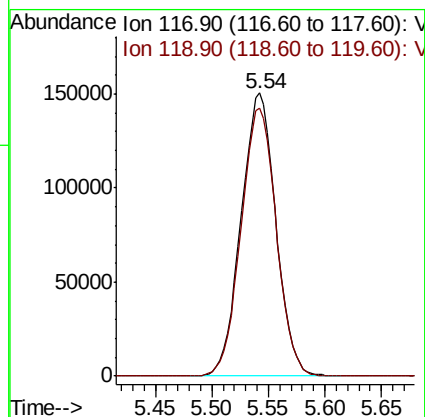
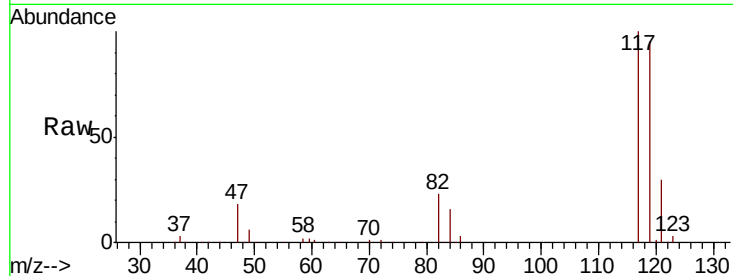




#31
Carbon tetrachloride
Concen: 19.992 ug/L
RT: 5.54 min Scan# 1307
Delta R.T. 0.00 min
Lab File: VU041577.D
Acq: 12 Dec 2020 19:01

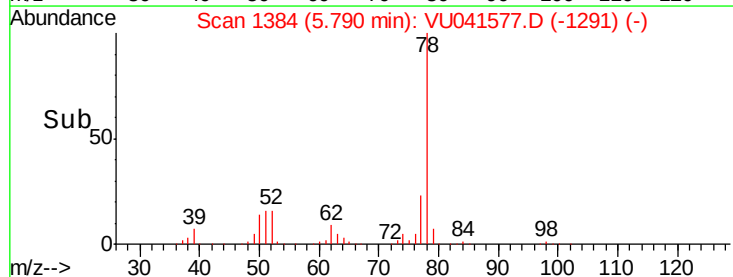
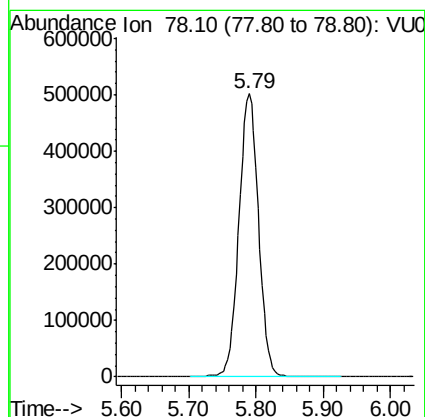
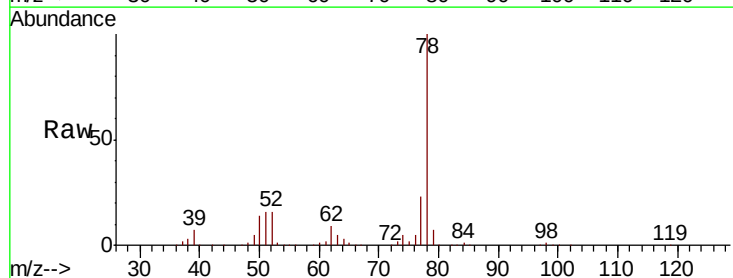
Instrument :
MSVOA_U
ClientSampleId :
VSTD02005

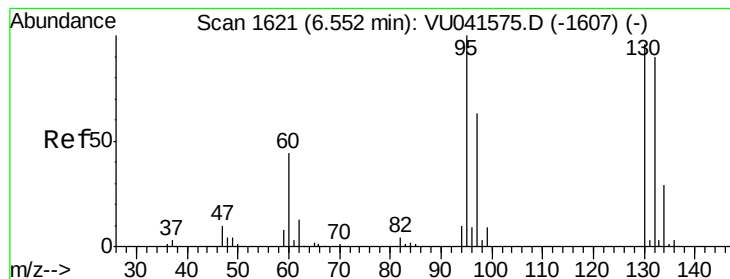
Tot Ion:117 Resp: 321276
Ion Ratio Lower Upper
117 100
119 96.4 76.2 114.2



#33
Benzene
Concen: 19.589 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. -0.00 min
Lab File: VU041577.D
Acq: 12 Dec 2020 19:01

Tgt Ion: 78 Resp: 1009994





#34

Trichloroethene

Concen: 20.201 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU041577.D

Acq: 12 Dec 2020 19:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD02005

Tot Ion: 95 Resp: 262384

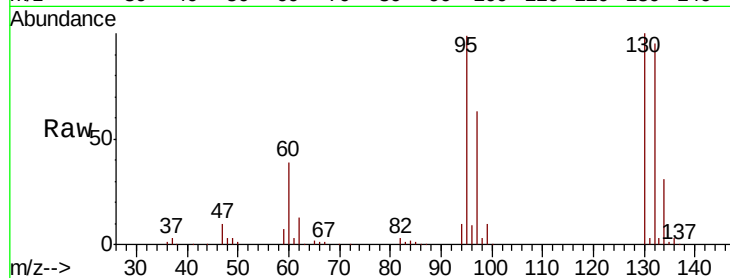
Ion Ratio Lower Upper

95 100

97 63.6 43.9 81.5

132 95.9 63.1 117.3

130 101.2 67.4 125.2

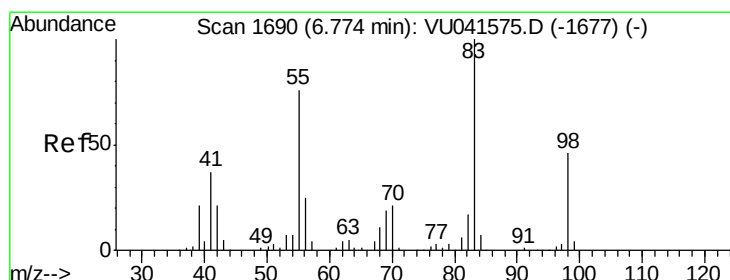
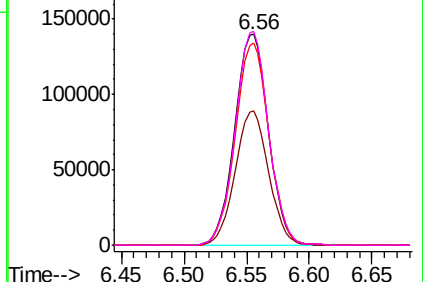
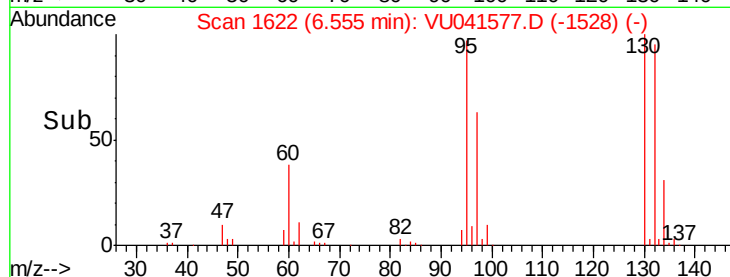


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 21.498 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VU041577.D

Acq: 12 Dec 2020 19:01

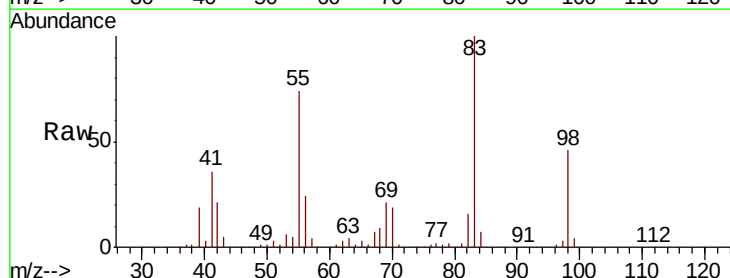
Tgt Ion: 83 Resp: 447971

Ion Ratio Lower Upper

83 100

55 73.4 61.2 91.8

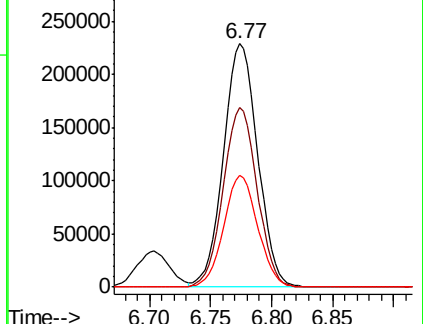
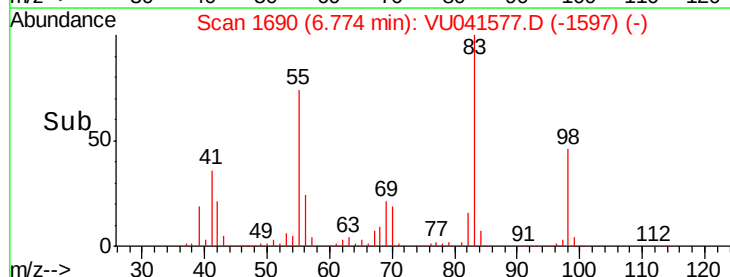
98 45.8 36.6 54.8

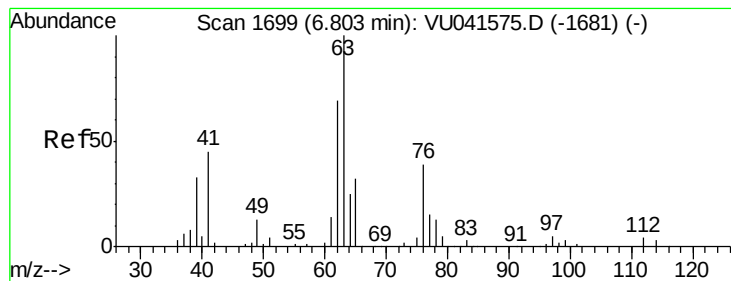


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 19.865 ug/L

RT: 6.80 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VU041577.D

Acq: 12 Dec 2020 19:01

Instrument :

MSVOA_U

ClientSampled :

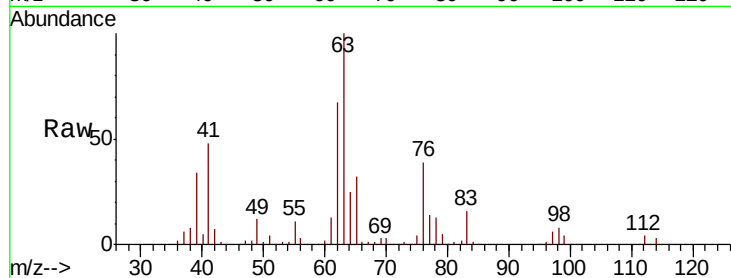
VSTD02005

Tot Ion: 63 Resp: 254153

Ion Ratio Lower Upper

63 100

112 4.0 3.1 4.7



Abundance Ion 63.10 (62.80 to 63.80): VU041577.D (-1606) (-)

Ion 112.10 (111.80 to 112.80): VU041577.D (-1606) (-)

150000

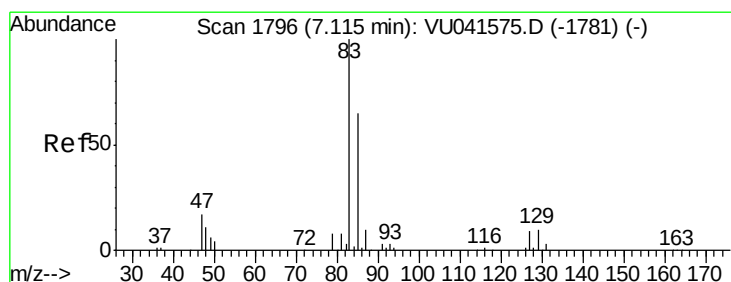
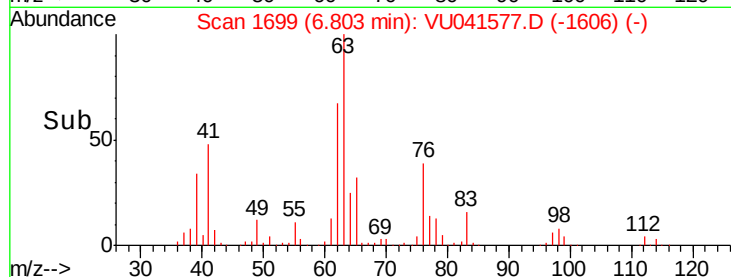
100000

50000

0

6.70 6.80 6.90

Time-->



#38

Bromodichloromethane

Concen: 19.837 ug/L

RT: 7.11 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VU041577.D

Acq: 12 Dec 2020 19:01

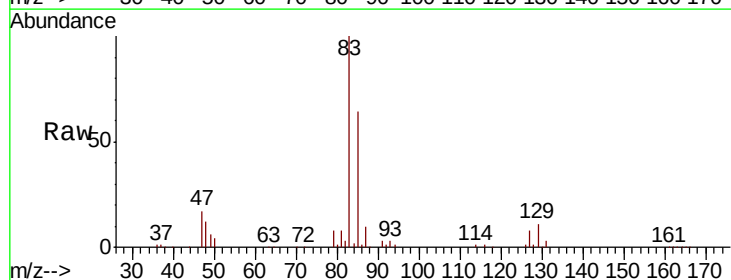
Tgt Ion: 83 Resp: 322336

Ion Ratio Lower Upper

83 100

85 63.9 45.5 84.5

127 8.3 7.0 10.6



Abundance Ion 82.95 (82.65 to 83.65): VU041577.D (-1703) (-)

Ion 85.00 (84.70 to 85.70): VU041577.D (-1703) (-)

Ion 126.90 (126.60 to 127.60): VU041577.D (-1703) (-)

200000

150000

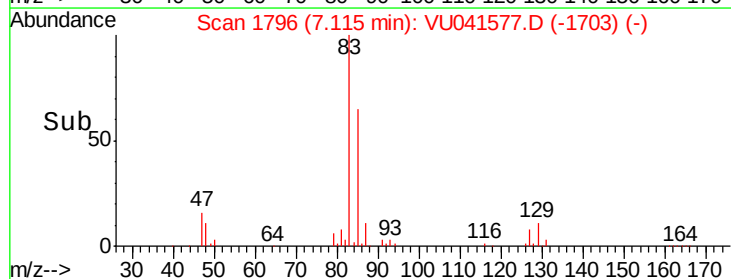
100000

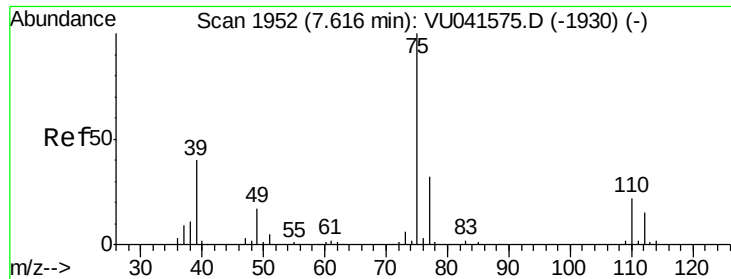
50000

0

7.00 7.10 7.20

Time-->

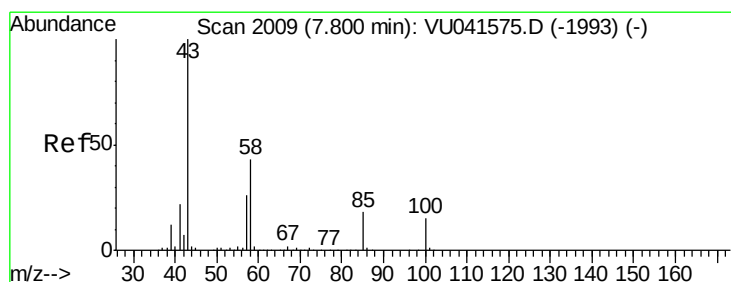
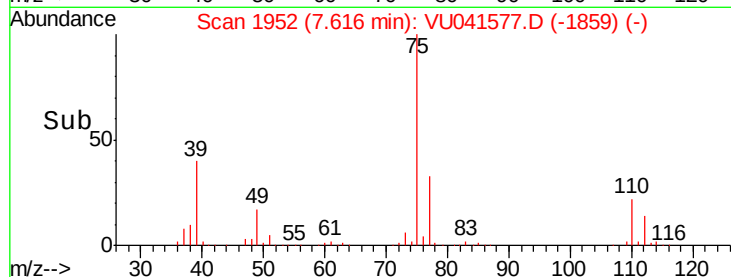
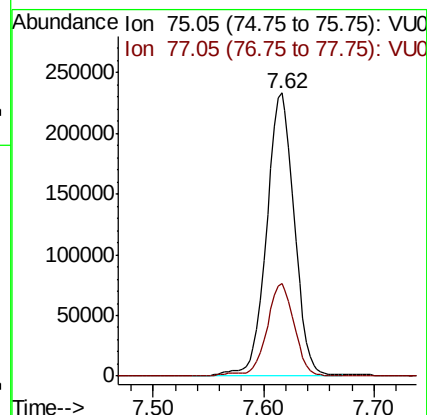
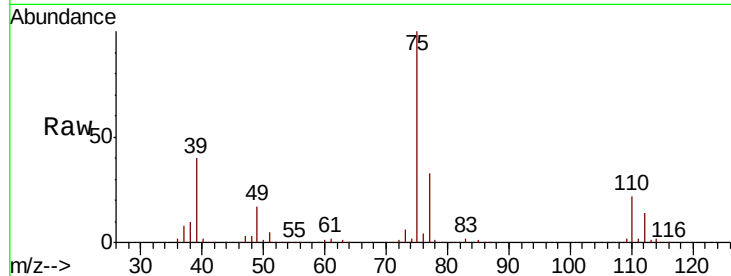




#39
 cis-1,3-Dichloropropene
 Concen: 20.561 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VU041577.D
 Acq: 12 Dec 2020 19:01

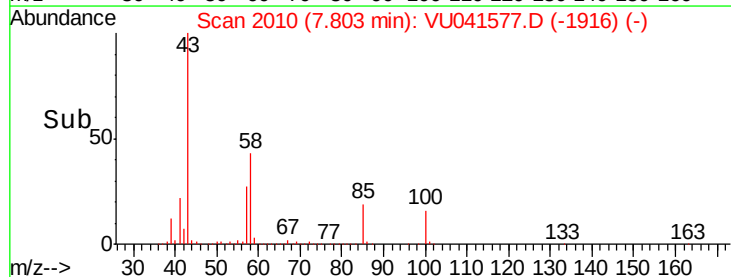
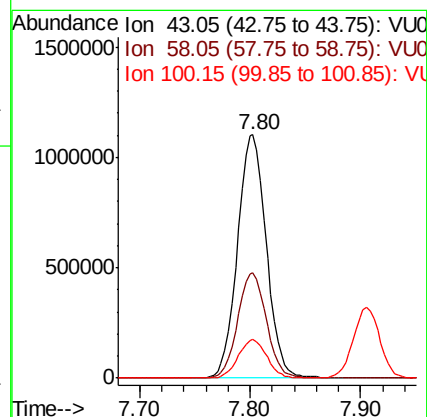
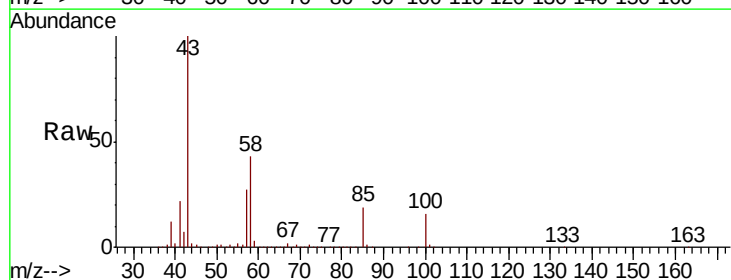
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02005

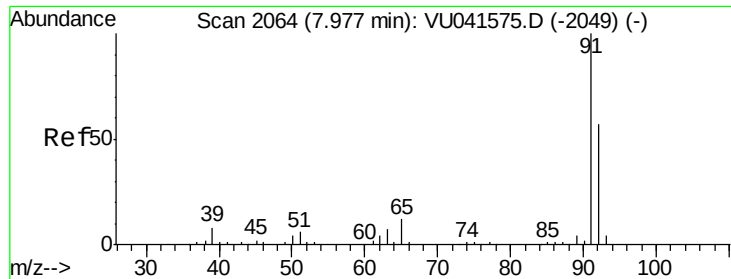
Tot Ion: 75 Resp: 407214
 Ion Ratio Lower Upper
 75 100
 77 32.5 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 206.886 ug/L
 RT: 7.80 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: VU041577.D
 Acq: 12 Dec 2020 19:01

Tgt Ion: 43 Resp: 1992969
 Ion Ratio Lower Upper
 43 100
 58 43.2 34.2 51.2
 100 15.8 12.3 18.5





#42

Toluene

Concen: 19.517 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU041577.D

Acq: 12 Dec 2020 19:01

Instrument :

MSVOA_U

ClientSampleId :

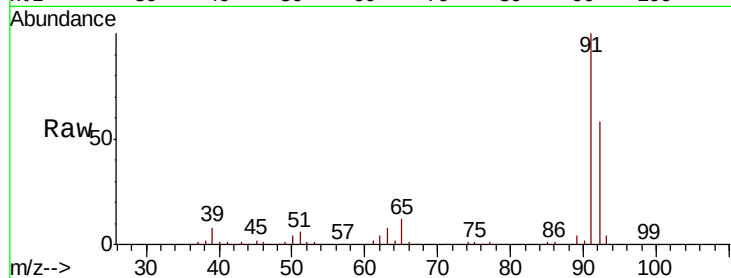
VSTD02005

Tot Ion: 91 Resp: 1061900

Ion Ratio Lower Upper

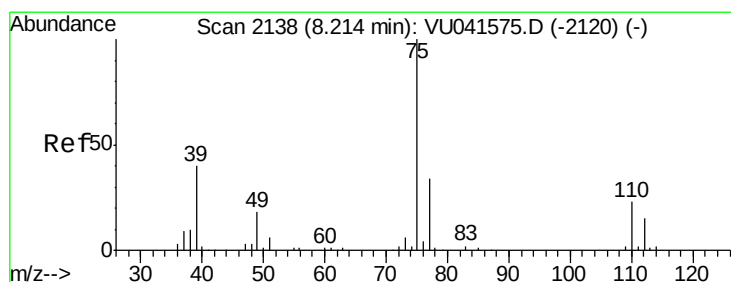
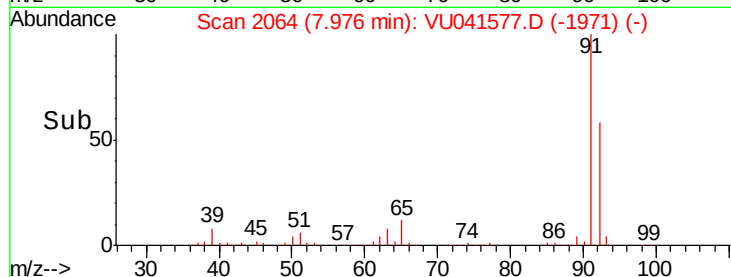
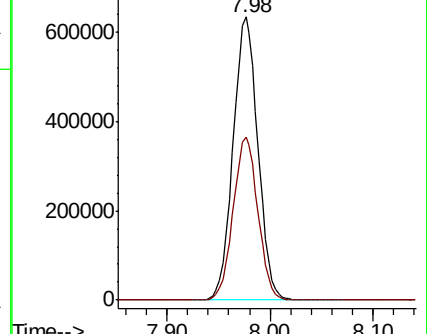
91 100

92 57.8 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 20.802 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU041577.D

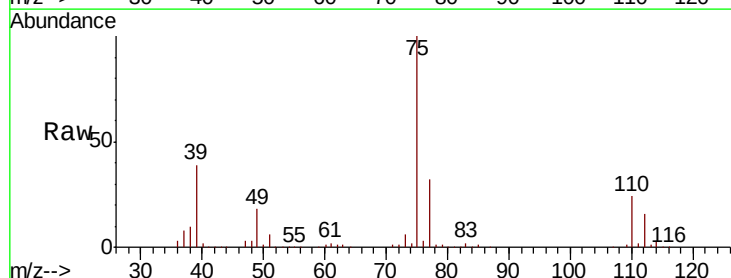
Acq: 12 Dec 2020 19:01

Tgt Ion: 75 Resp: 369518

Ion Ratio Lower Upper

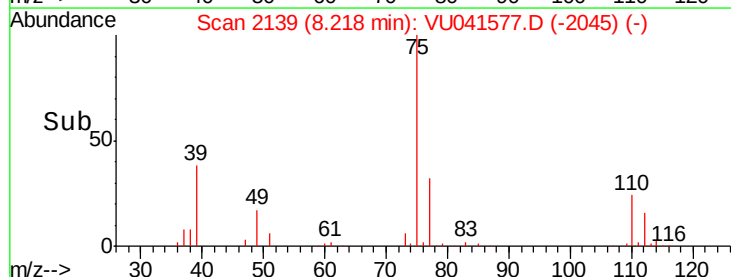
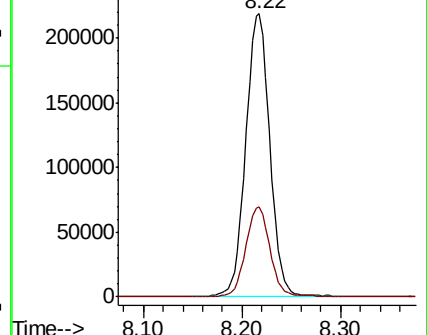
75 100

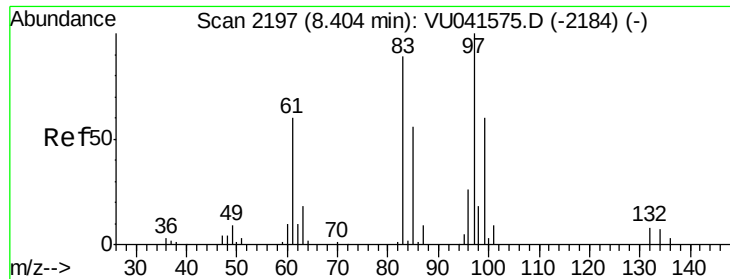
77 31.8 23.8 44.2



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

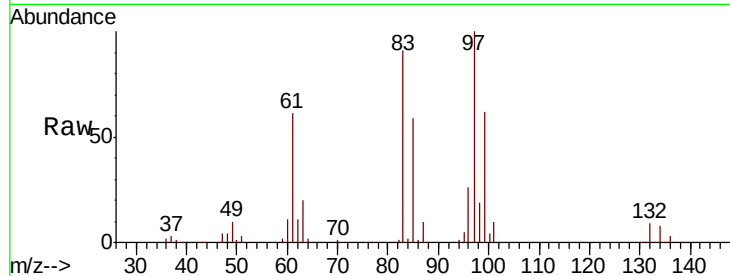




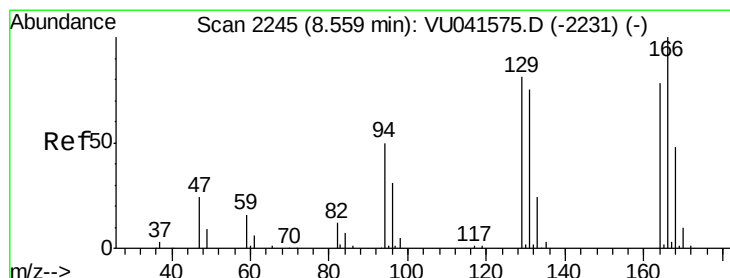
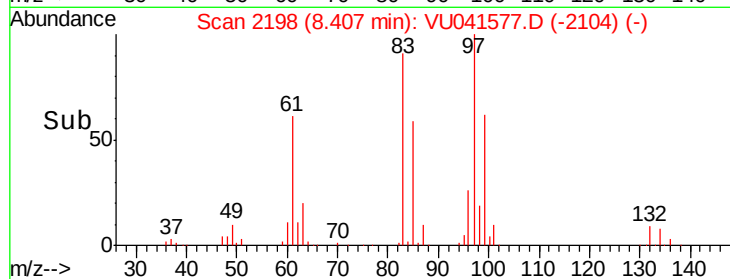
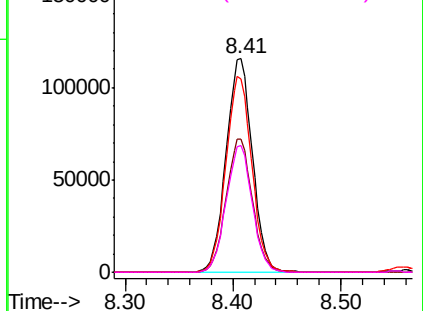
#45
1,1,2-Trichloroethane
Concen: 19.238 ug/L
RT: 8.41 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VU041577.D
Acq: 12 Dec 2020 19:01

Instrument :
MSVOA_U
ClientSampleId :
VSTD02005

Tot Ion:	97	Resp:	196780
Ion	Ratio	Lower	Upper
97	100		
99	62.3	42.1	78.3
83	90.5	62.6	116.2
85	59.1	39.1	72.7

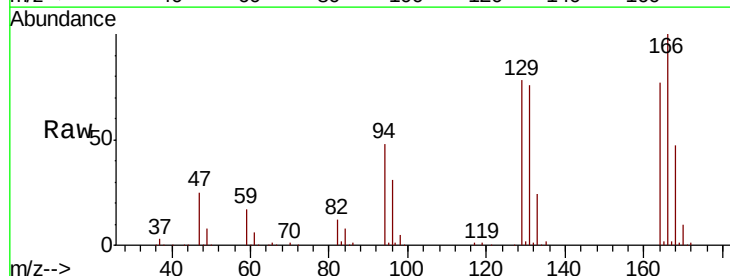


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 82.95 (82.65 to 83.65): VU0
Ion 85.00 (84.70 to 85.70): VU0

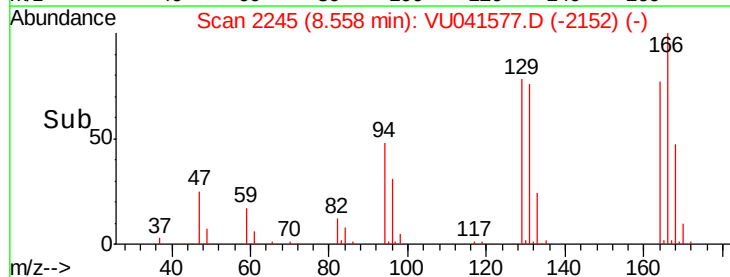
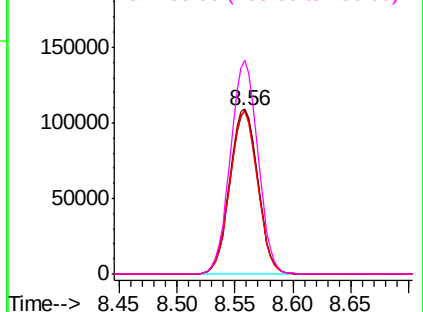


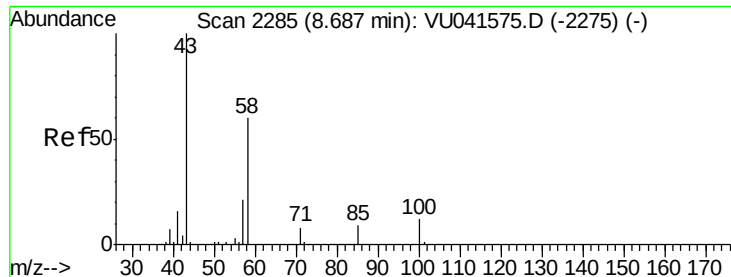
#47
Tetrachloroethene
Concen: 19.889 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VU041577.D
Acq: 12 Dec 2020 19:01

Tgt Ion:	164	Resp:	180714
Ion	Ratio	Lower	Upper
164	100		
129	101.4	72.2	134.0
131	99.1	66.9	124.3
166	130.6	89.6	166.4



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

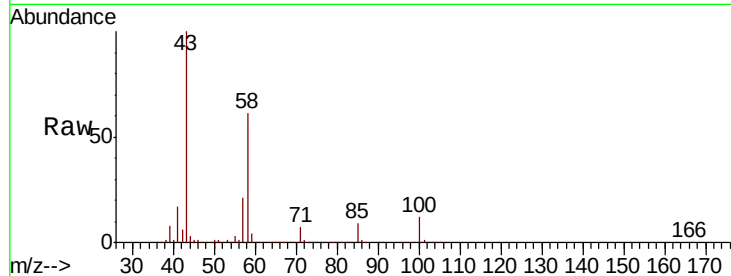




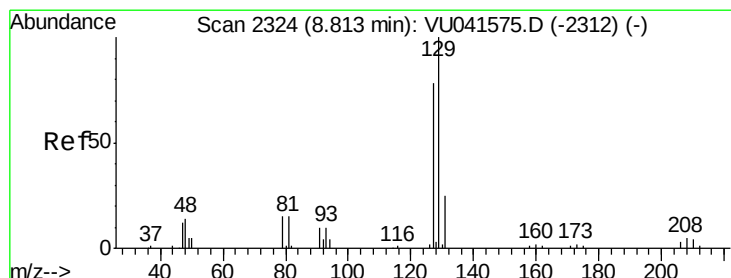
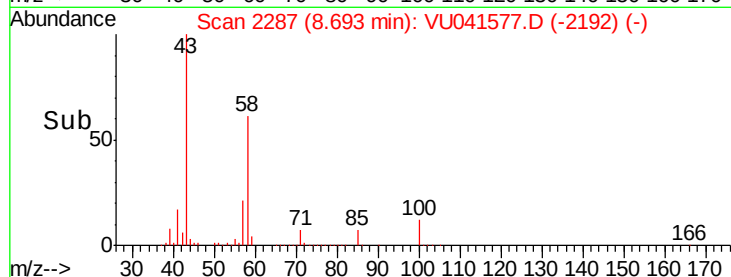
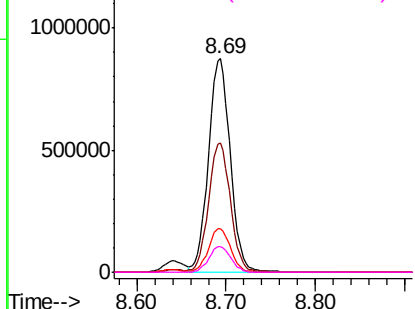
#48
2-Hexanone
Concen: 209.873 ug/L
RT: 8.69 min Scan# 2287
Delta R.T. 0.01 min
Lab File: VU041577.D
Acq: 12 Dec 2020 19:01

Instrument :
MSVOA_U
ClientSampleId :
VSTD02005

Tot Ion: 43 Resp: 1481512
Ion Ratio Lower Upper
43 100
58 60.8 47.9 71.9
57 20.5 16.5 24.7
100 12.2 9.4 14.2

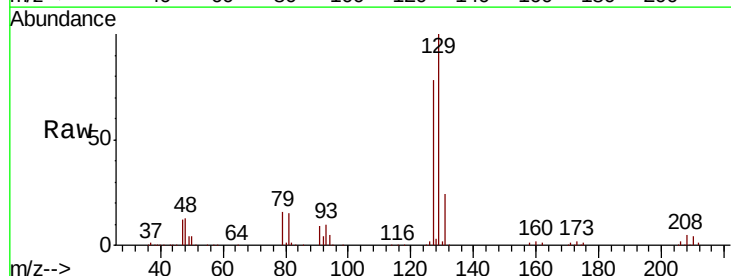


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

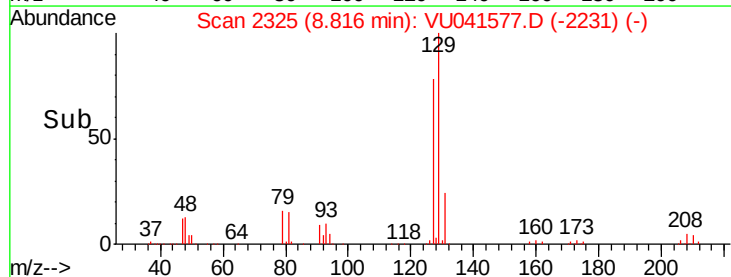
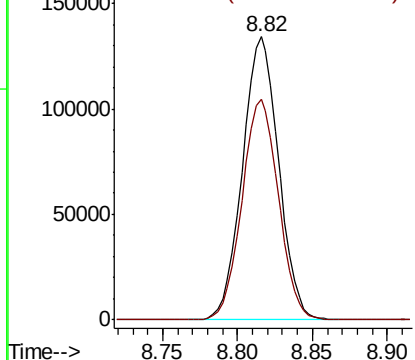


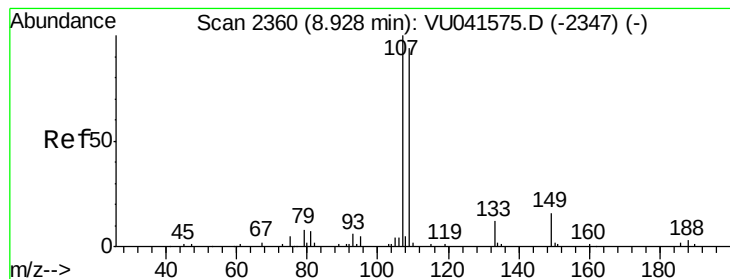
#49
Dibromochloromethane
Concen: 20.174 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU041577.D
Acq: 12 Dec 2020 19:01

Tgt Ion: 129 Resp: 226090
Ion Ratio Lower Upper
129 100
127 77.8 54.7 101.7



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





#50

1,2-Dibromoethane

Concen: 19.541 ug/L

RT: 8.93 min Scan# 2360

Delta R.T. -0.00 min

Lab File: VU041577.D

Acq: 12 Dec 2020 19:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD02005

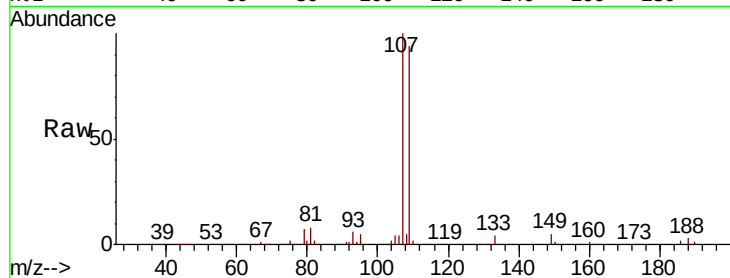
Tot Ion:107 Resp: 190049

Ion Ratio Lower Upper

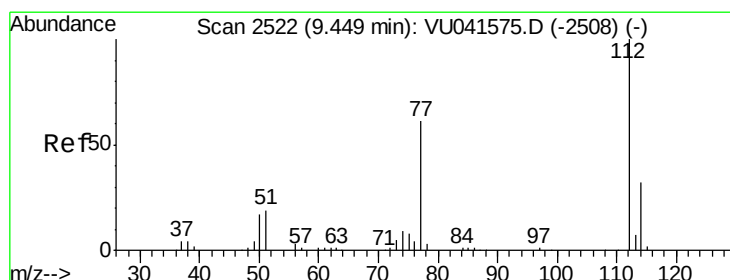
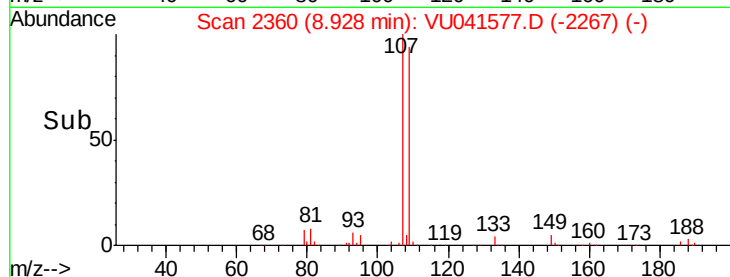
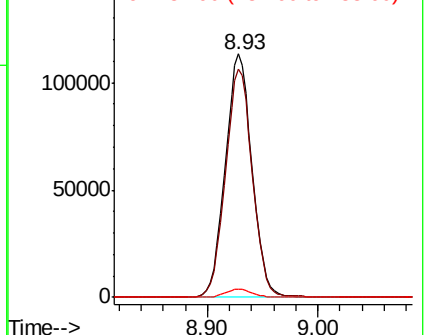
107 100

109 93.8 65.6 121.8

188 3.4 2.6 4.0



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: 19.843 ug/L

RT: 9.45 min Scan# 2522

Delta R.T. -0.00 min

Lab File: VU041577.D

Acq: 12 Dec 2020 19:01

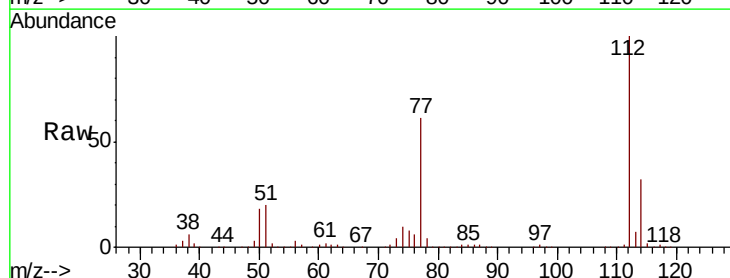
Tgt Ion:112 Resp: 659675

Ion Ratio Lower Upper

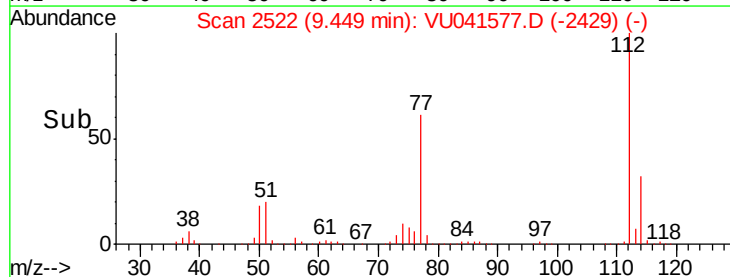
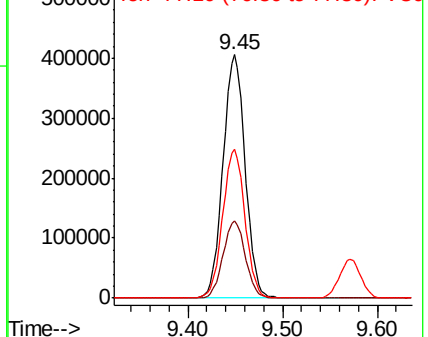
112 100

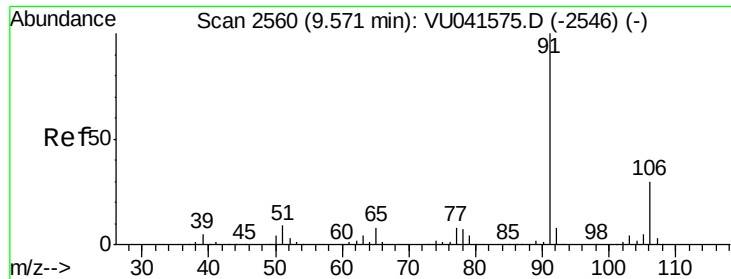
114 31.7 22.7 42.3

77 61.3 49.1 73.7



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: 20.056 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU041577.D

Acq: 12 Dec 2020 19:01

Instrument :

MSVOA_U

ClientSampleId :

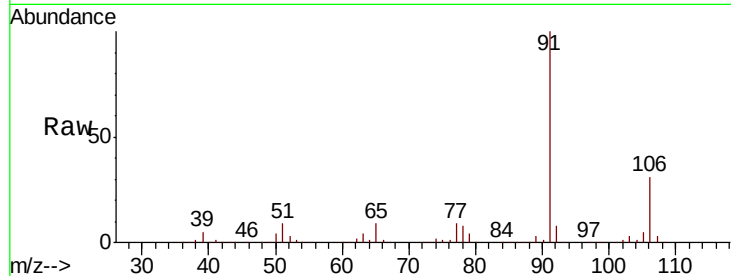
VSTD02005

Tot Ion: 91 Resp: 1170918

Ion Ratio Lower Upper

91 100

106 30.9 21.1 39.3



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 106.15 (105.85 to 106.85): V

800000

600000

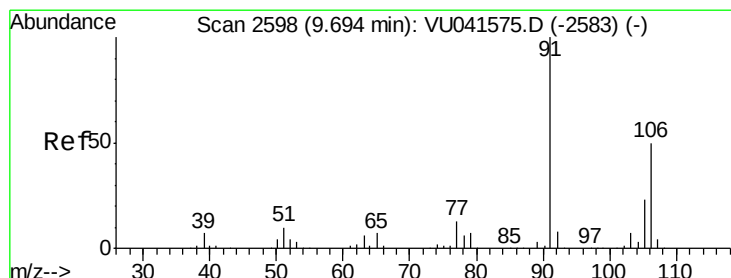
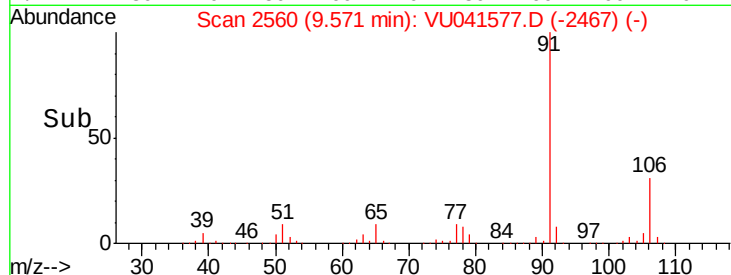
400000

200000

0

9.50 9.55 9.60 9.65

Time-->



#53

m,p-Xylene

Concen: 19.527 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU041577.D

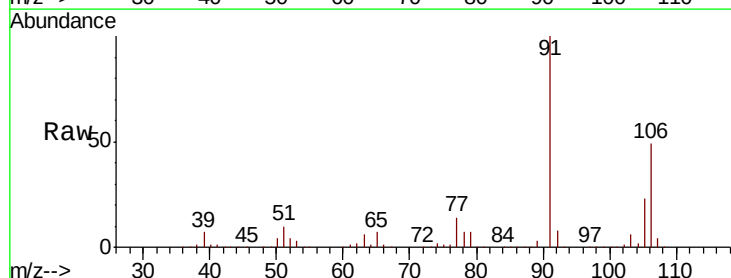
Acq: 12 Dec 2020 19:01

Tgt Ion: 106 Resp: 444009

Ion Ratio Lower Upper

106 100

91 204.2 140.4 260.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0

600000

500000

400000

300000

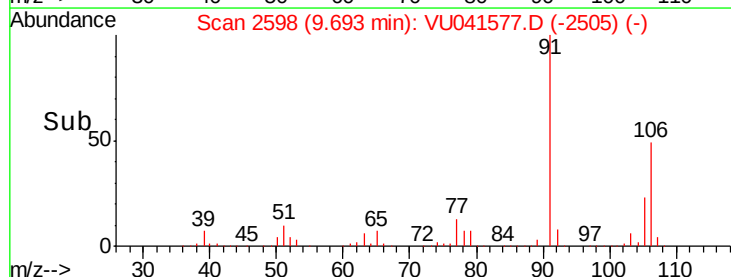
200000

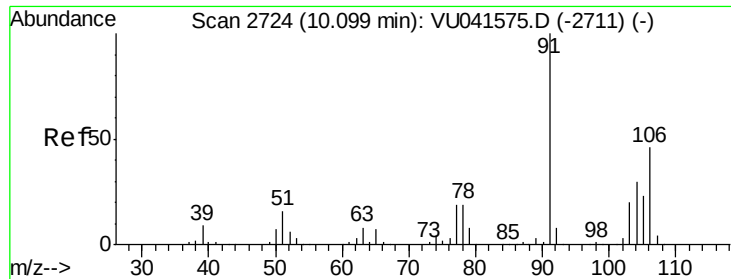
100000

0

9.60 9.65 9.70 9.75

Time-->

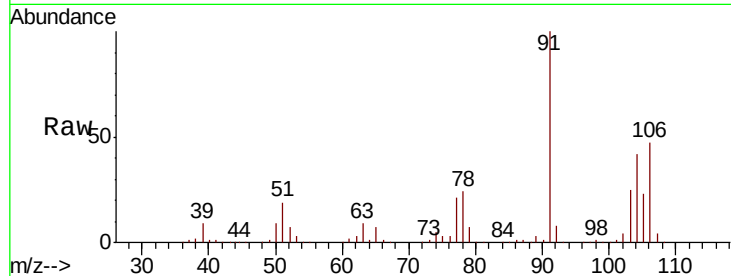




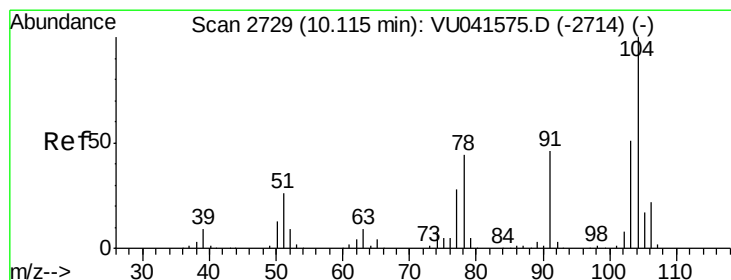
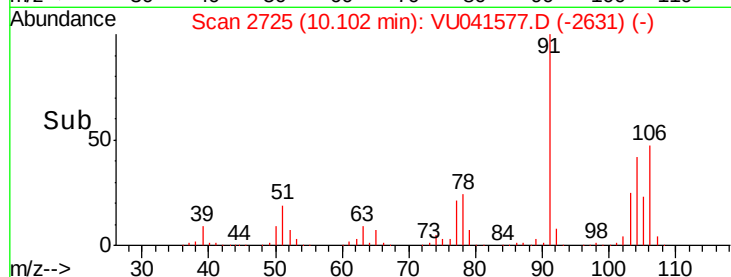
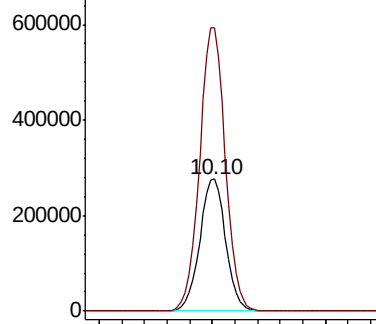
#54
o-Xylene
Concen: 20.417 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU041577.D
Acq: 12 Dec 2020 19:01

Instrument :
MSVOA_U
ClientSampleId :
VSTD02005

Tot Ion:106 Resp: 439111
Ion Ratio Lower Upper
106 100
91 213.9 151.3 281.1

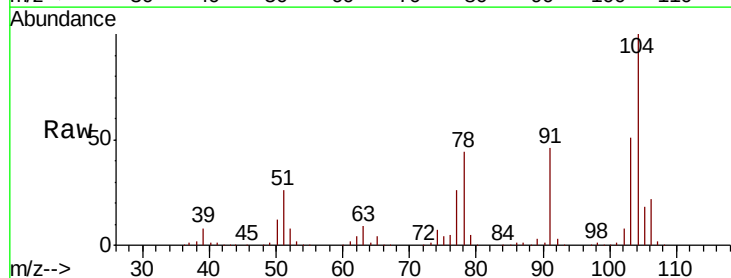


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

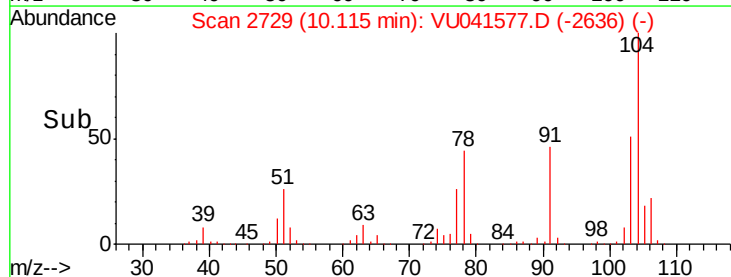
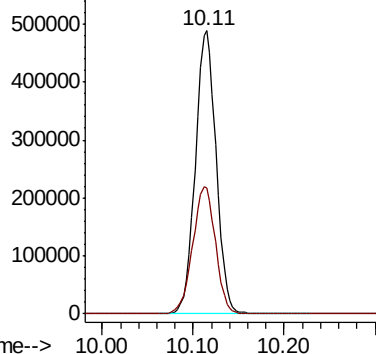


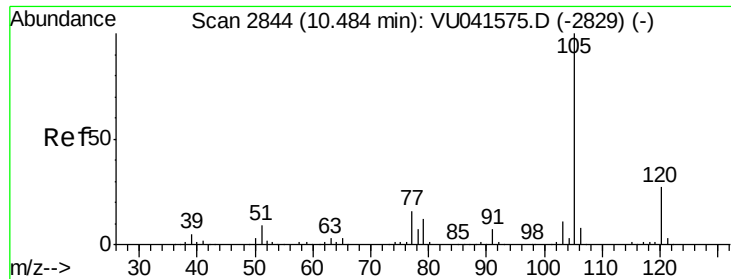
#55
Styrene
Concen: 20.611 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU041577.D
Acq: 12 Dec 2020 19:01

Tgt Ion:104 Resp: 772357
Ion Ratio Lower Upper
104 100
78 44.4 31.1 57.9



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





#56

Isopropylbenzene

Concen: 20.985 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU041577.D

Acq: 12 Dec 2020 19:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD02005

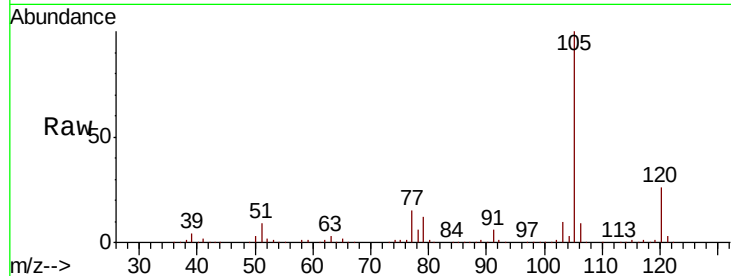
Tot Ion:105 Resp: 1180466

Ion Ratio Lower Upper

105 100

120 26.2 20.5 30.7

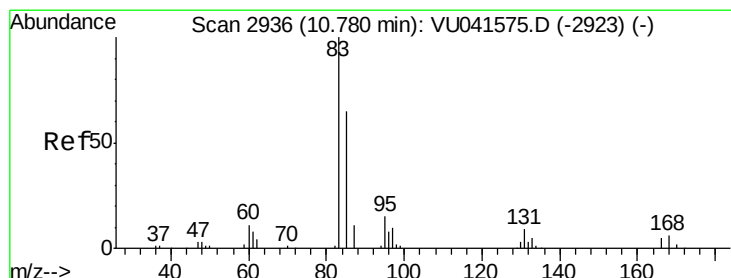
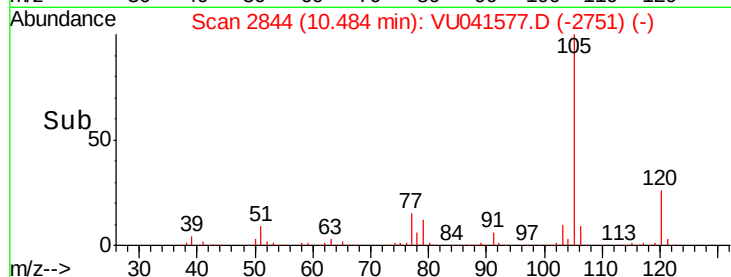
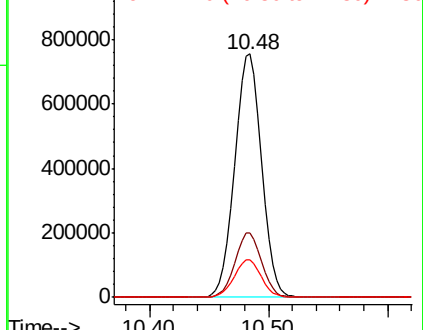
77 15.4 12.7 19.1



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: 20.961 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU041577.D

Acq: 12 Dec 2020 19:01

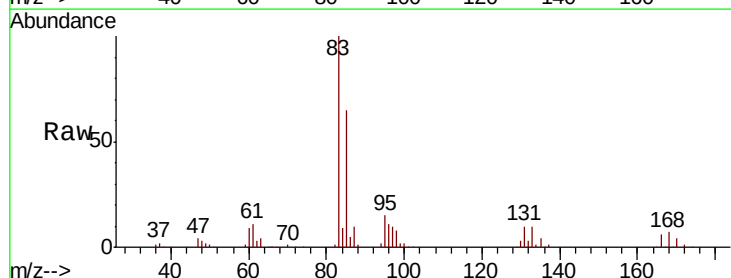
Tgt Ion: 83 Resp: 279941

Ion Ratio Lower Upper

83 100

85 64.7 46.1 85.7

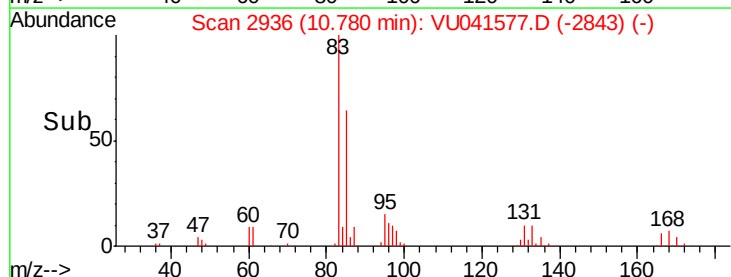
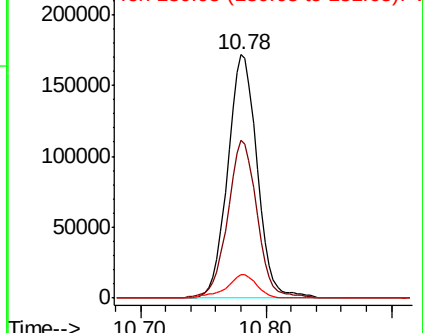
131 9.5 7.8 11.6

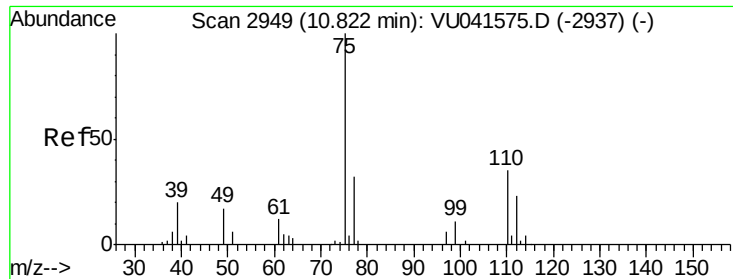


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

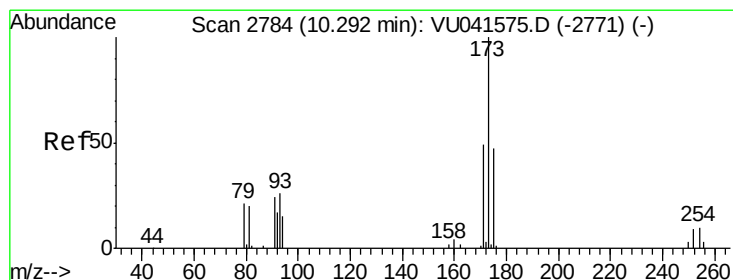
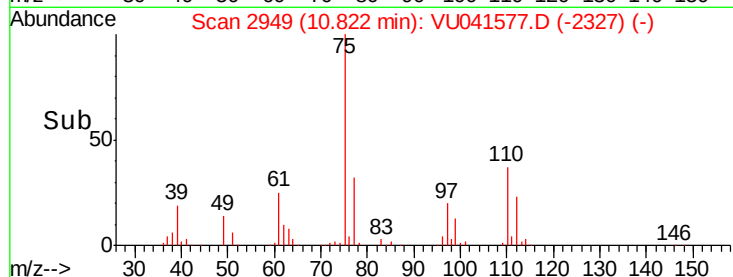
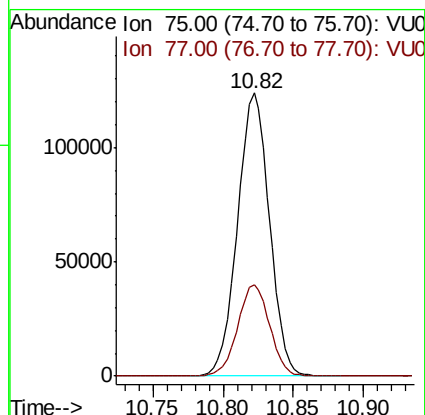
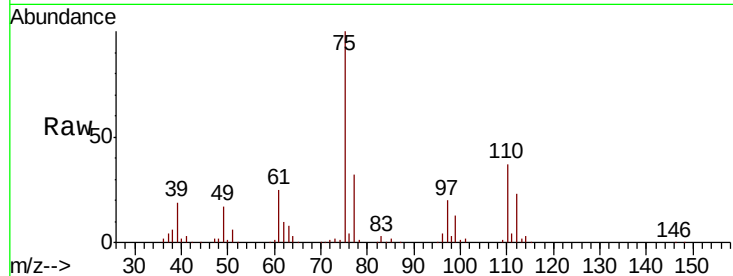




#59
 1,2,3-Trichloropropane
 Concen: 20.032 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. -0.00 min
 Lab File: VU041577.D
 Acq: 12 Dec 2020 19:01

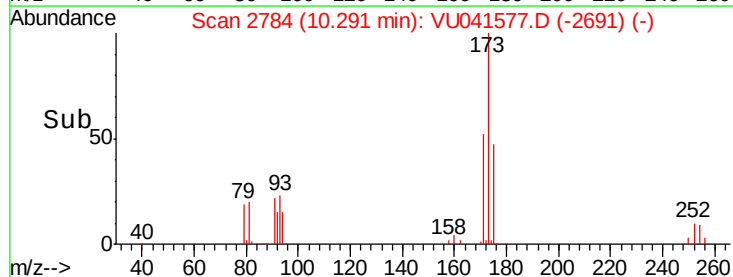
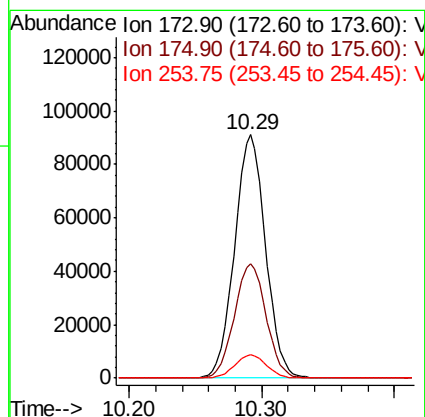
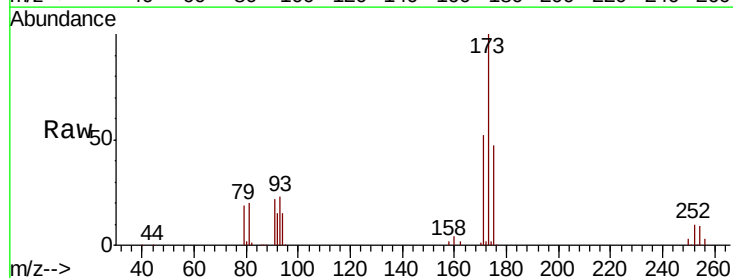
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02005

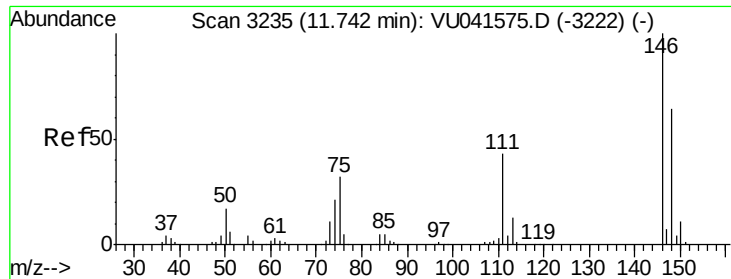
Tot Ion: 75 Resp: 196584
 Ion Ratio Lower Upper
 75 100
 77 32.4 26.2 39.2



#61
 Bromoform
 Concen: 19.250 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. -0.00 min
 Lab File: VU041577.D
 Acq: 12 Dec 2020 19:01

Tgt Ion: 173 Resp: 147145
 Ion Ratio Lower Upper
 173 100
 175 48.2 37.3 55.9
 254 9.8 7.4 11.2





#62

1,3-Dichlorobenzene

Concen: 19.060 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. -0.00 min

Lab File: VU041577.D

Acq: 12 Dec 2020 19:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD02005

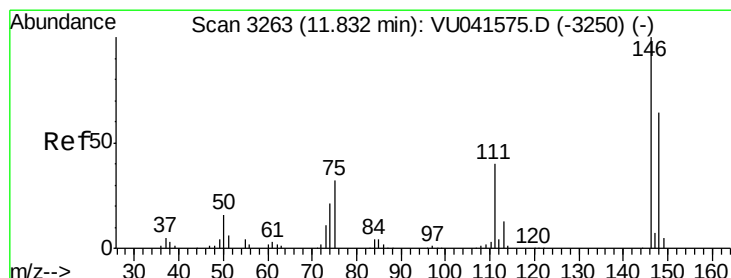
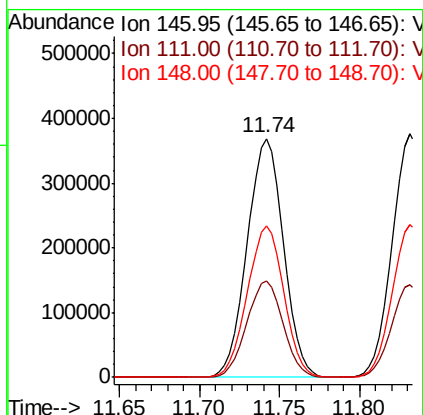
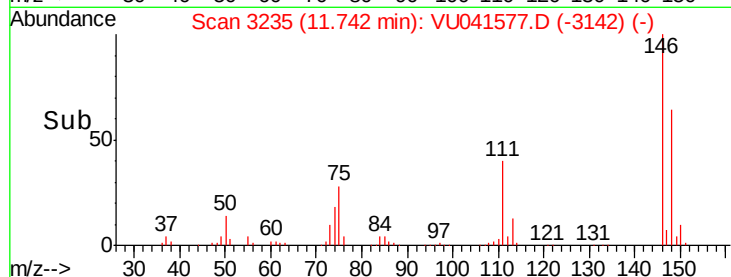
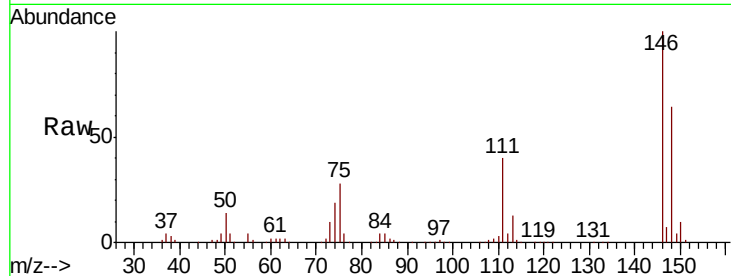
Tot Ion:146 Resp: 571254

Ion Ratio Lower Upper

146 100

111 40.2 30.0 55.8

148 63.6 44.9 83.3



#63

1,4-Dichlorobenzene

Concen: 18.947 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. -0.00 min

Lab File: VU041577.D

Acq: 12 Dec 2020 19:01

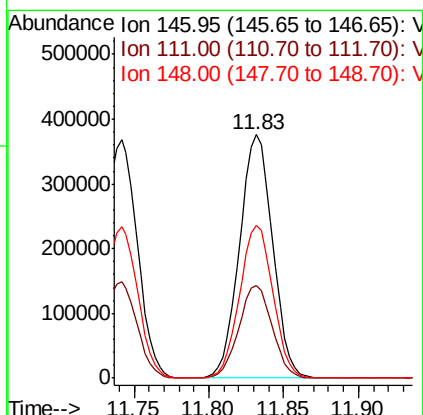
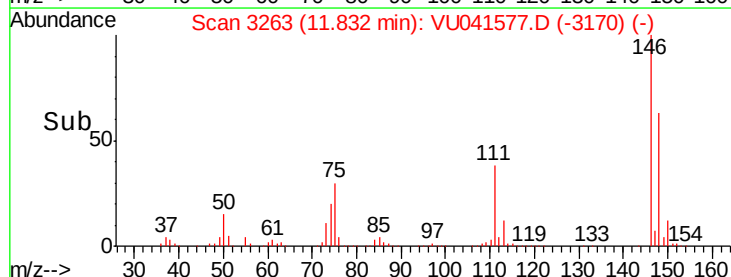
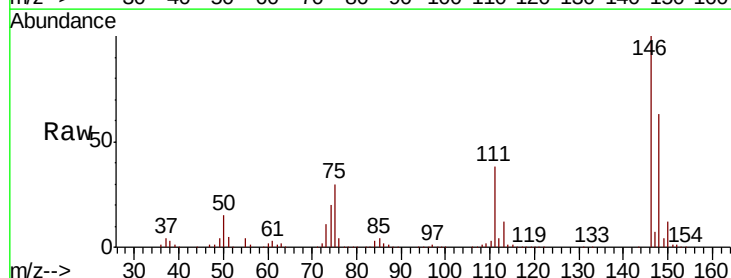
Tgt Ion:146 Resp: 578635

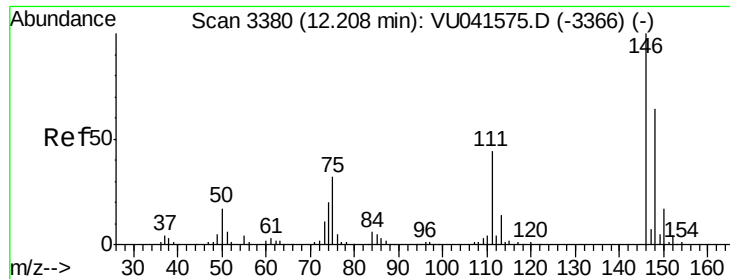
Ion Ratio Lower Upper

146 100

111 38.0 27.9 51.9

148 63.0 45.0 83.6





#65

1,2-Dichlorobenzene

Concen: 19.381 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. -0.00 min

Lab File: VU041577.D

Acq: 12 Dec 2020 19:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD02005

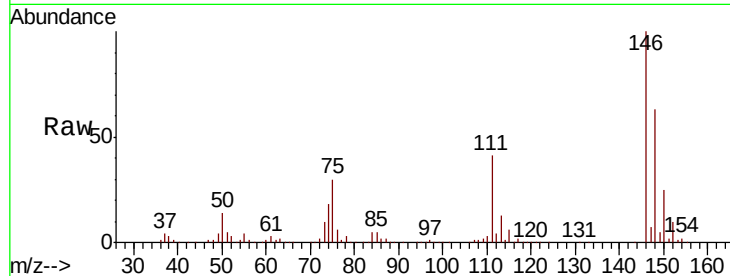
Tot Ion:146 Resp: 558922

Ion Ratio Lower Upper

146 100

111 41.4 35.0 52.6

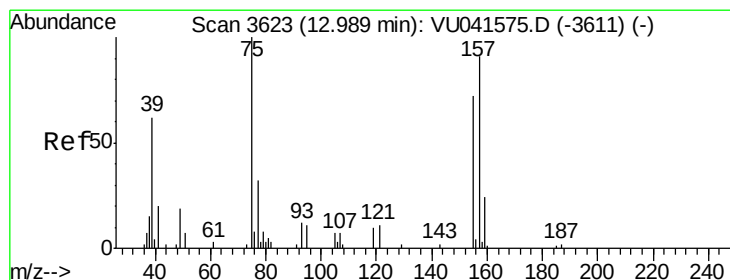
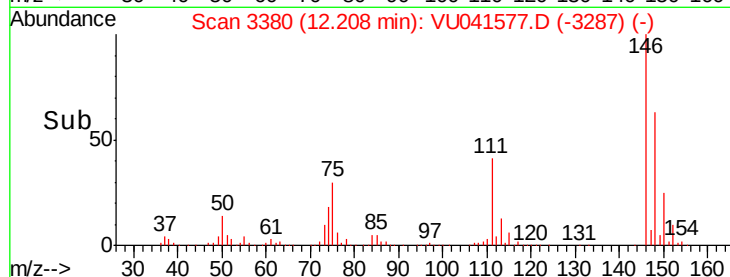
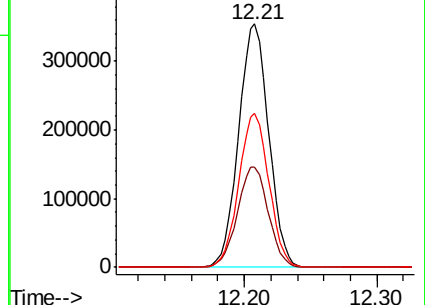
148 63.2 51.0 76.6



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: 17.609 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. -0.00 min

Lab File: VU041577.D

Acq: 12 Dec 2020 19:01

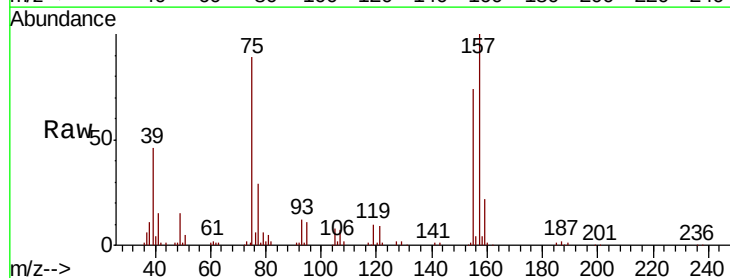
Tgt Ion: 75 Resp: 49522

Ion Ratio Lower Upper

75 100

155 83.2 57.4 86.0

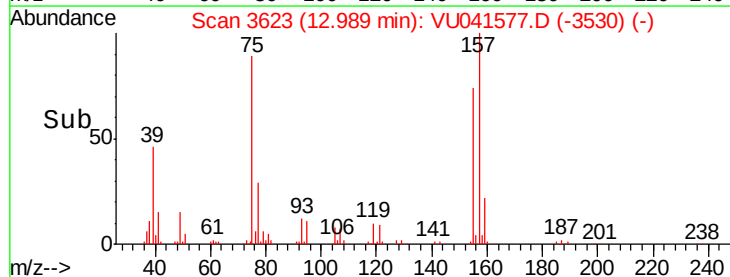
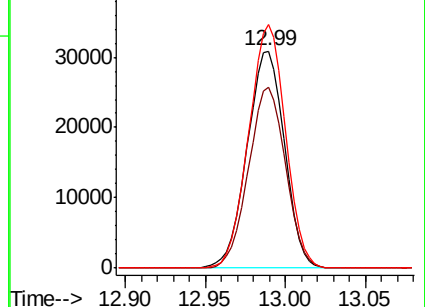
157 112.3 72.4 108.6#

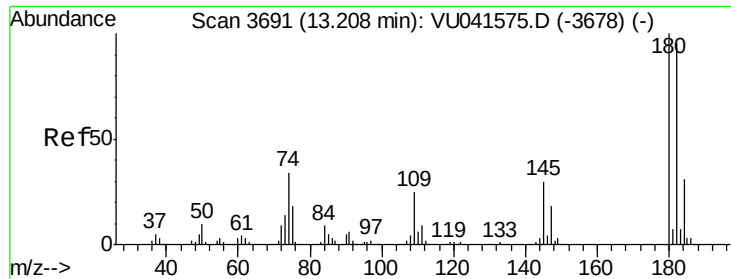


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

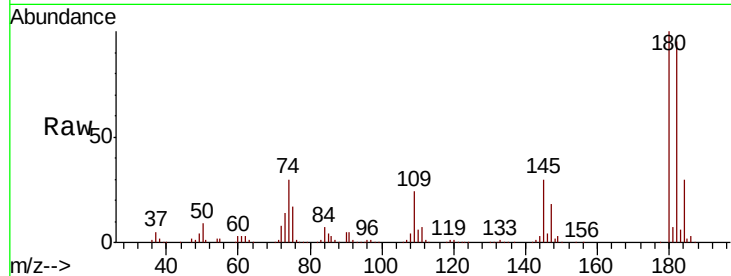




#67
 1,3,5-Trichlorobenzene
 Concen: 19.535 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. -0.00 min
 Lab File: VU041577.D
 Acq: 12 Dec 2020 19:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02005

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.3	114.5
184	30.0	24.1	36.1
145	29.8	24.1	36.1



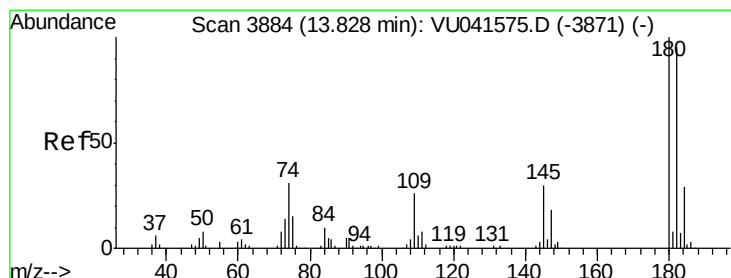
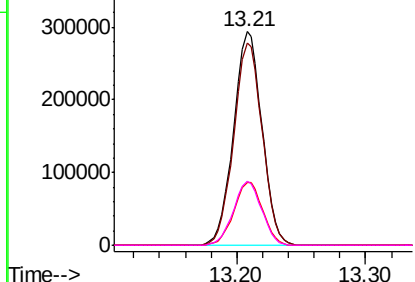
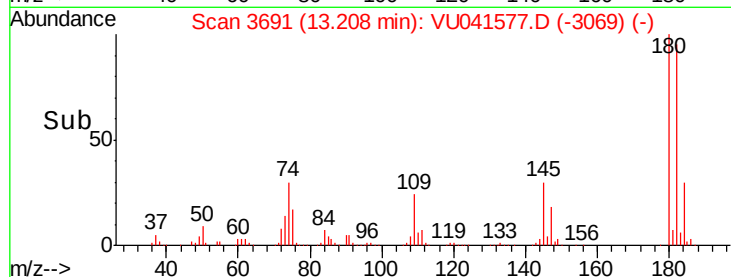
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

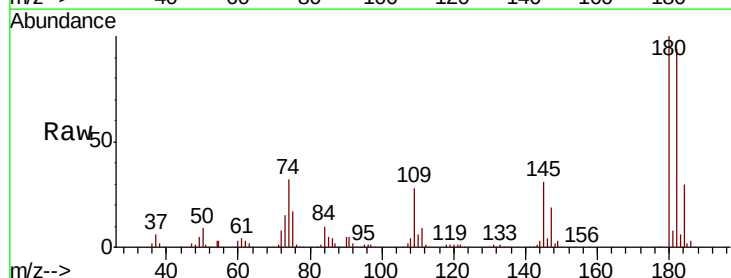
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 17.242 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU041577.D
 Acq: 12 Dec 2020 19:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	75.4	113.0
145	31.6	24.5	36.7

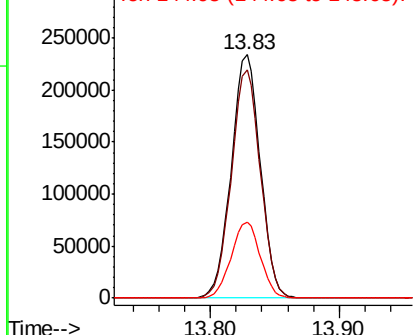
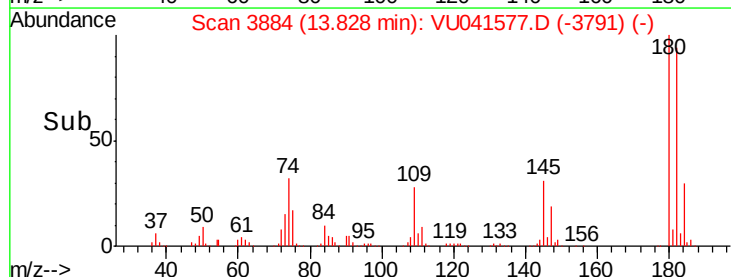


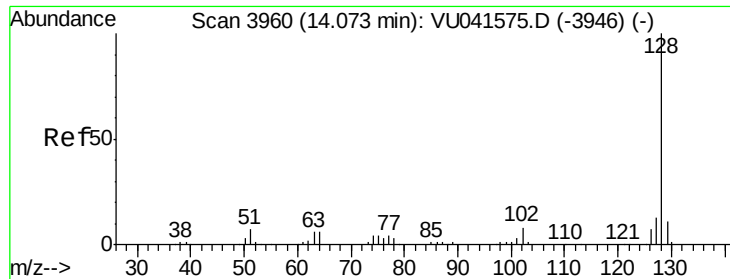
Abundance

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: 19.368 ug/L

RT: 14.07 min Scan# 3960

Delta R.T. -0.00 min

Lab File: VU041577.D

Acq: 12 Dec 2020 19:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD02005

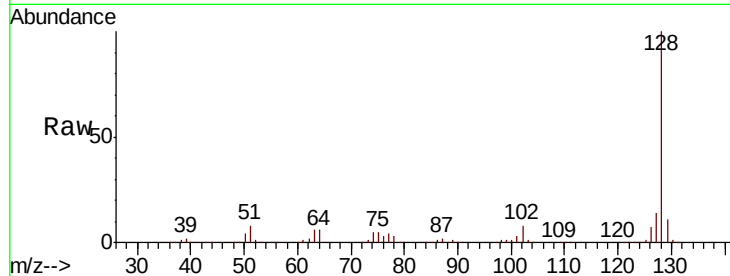
Tot Ion:128 Resp: 811591

Ion Ratio Lower Upper

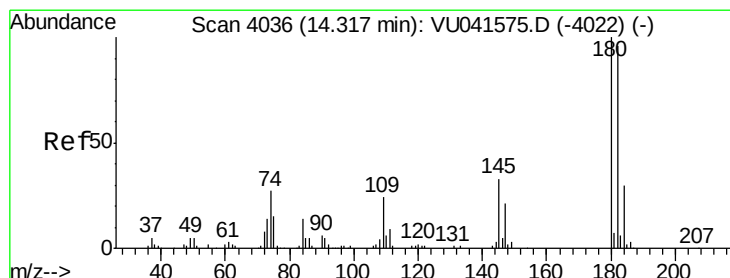
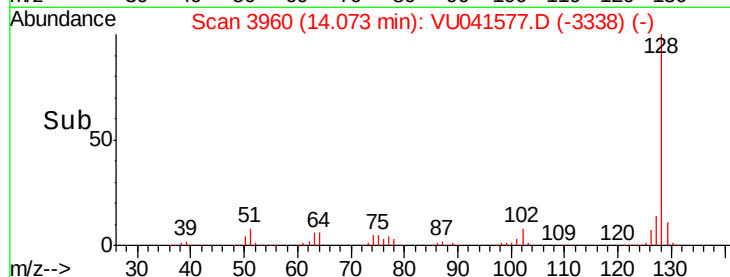
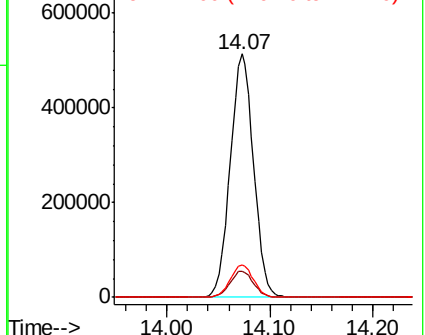
128 100

129 10.8 8.7 13.1

127 13.4 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: 16.634 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. -0.00 min

Lab File: VU041577.D

Acq: 12 Dec 2020 19:01

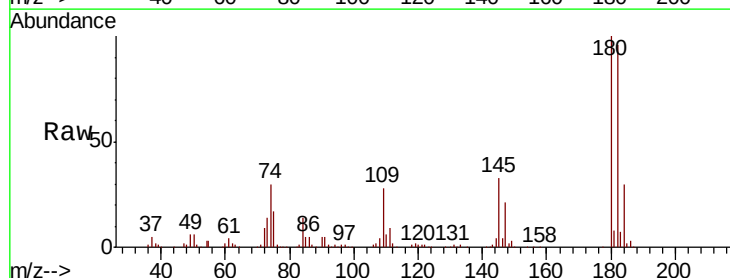
Tgt Ion:180 Resp: 327930

Ion Ratio Lower Upper

180 100

182 95.8 77.0 115.4

145 33.3 26.4 39.6



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

