

Data File : VU038842.D
Acq On : 12 Jun 2020 10:42
Operator : SY/MD
Sample : VSTD020
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD02006

Quant Time: Jun 12 11:00:40 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR061220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jun 12 10:34:22 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	302382	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	303785	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	161599	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	326168	16.67	ug/L	0.00
7) Chloroethane-d5	1.93	69	258857	17.21	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	758436	19.69	ug/L	0.00
20) 2-Butanone-d5	4.68	46	1110756	186.83	ug/L	0.00
24) Chloroform-d	5.10	84	735216	20.00	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	403409	19.33	ug/L	0.00
32) Benzene-d6	5.76	84	1441295	19.00	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	435208	18.66	ug/L	0.00
41) Toluene-d8	7.92	98	1354030	19.90	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	204867	20.42	ug/L	0.00
46) 2-Hexanone-d5	8.66	63	960104	193.85	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	391857	19.79	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.20	152	529623	19.00	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	574166	24.092 ug/L	99
3) Chloromethane	1.53	50	464628	21.229 ug/L	98
5) Vinyl chloride	1.62	62	511427	21.809 ug/L	99
6) Bromomethane	1.87	94	302814	26.599 ug/L	99
8) Chloroethane	1.95	64	296353	21.092 ug/L	99
9) Trichlorofluoromethane	2.16	101	752994	24.206 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	428370	23.381 ug/L	99
12) 1,1-Dichloroethene	2.60	96	419571	22.531 ug/L	91
13) Acetone	2.68	43	824433	211.898 ug/L	100
14) Carbon disulfide	2.82	76	1435050	22.711 ug/L	98
15) Methyl Acetate	2.99	43	210784	22.114 ug/L	98
16) Methylene chloride	3.08	84	450668	21.385 ug/L	99
17) Methyl tert-butyl Ether	3.40	73	1156650	23.688 ug/L	99
18) trans-1,2-Dichloroethene	3.38	96	449046	22.375 ug/L	99
19) 1,1-Dichloroethane	3.91	63	806844	22.465 ug/L	99
21) 2-Butanone	4.76	43	1422511	217.373 ug/L	100
22) cis-1,2-Dichloroethene	4.70	96	477545	22.099 ug/L	98
23) Bromochloromethane	5.01	128	217371	22.351 ug/L	97
25) Chloroform	5.12	83	822716	22.550 ug/L	98
27) 1,2-Dichloroethane	5.83	62	575369	22.400 ug/L	97
29) 1,1,1-Trichloroethane	5.35	97	742623	23.103 ug/L	99
30) Cyclohexane	5.42	56	752713	22.331 ug/L	98
31) Carbon tetrachloride	5.56	117	627978	23.466 ug/L	99
33) Benzene	5.81	78	1812218	21.393 ug/L	100
34) Trichloroethene	6.57	95	474213	21.568 ug/L	97
35) Methylcyclohexane	6.79	83	791376	23.248 ug/L	95
37) 1,2-Dichloropropane	6.82	63	461010	21.627 ug/L	100
38) Bromodichloromethane	7.13	83	600389	22.679 ug/L	99
39) cis-1,3-Dichloropropene	7.63	75	739358	23.469 ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	3338127	218.969 ug/L	99

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Quant Title : TRACE VOA SOM01.0
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.99	91	1985034	22.341	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	658899	23.681	ug/L	100
45) 1,1,2-Trichloroethane	8.42	97	352730	21.933	ug/L	98
47) Tetrachloroethene	8.57	164	357837	22.401	ug/L	99
48) 2-Hexanone	8.71	43	2556604	221.444	ug/L	99
49) Dibromochloromethane	8.83	129	419939	24.192	ug/L	97
50) 1,2-Dibromoethane	8.94	107	349009	22.664	ug/L	100
51) Chlorobenzene	9.47	112	1251681	21.844	ug/L	99
52) Ethylbenzene	9.59	91	2263631	22.898	ug/L	99
53) m,p-Xylene	9.71	106	874905	23.013	ug/L	99
54) o-Xylene	10.11	106	836556	22.922	ug/L	99
55) Styrene	10.13	104	1481255	23.910	ug/L	100
56) Isopropylbenzene	10.50	105	2250585	23.429	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.80	83	456113	22.317	ug/L	97
59) 1,2,3-Trichloropropane	10.84	75	350485	22.029	ug/L	99
61) Bromoform	10.31	173	243351	24.173	ug/L	100
62) 1,3-Dichlorobenzene	11.76	146	1032305	21.742	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	1046524	21.736	ug/L	100
65) 1,2-Dichlorobenzene	12.22	146	985381	21.856	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.01	75	84096	23.038	ug/L	95
67) 1,3,5-Trichlorobenzene	13.24	180	781226	22.054	ug/L	97
68) 1,2,4-trichlorobenzene	13.87	180	738473	22.523	ug/L	98
69) Naphthalene	14.11	128	1515460	23.225	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	669550	22.443	ug/L	99

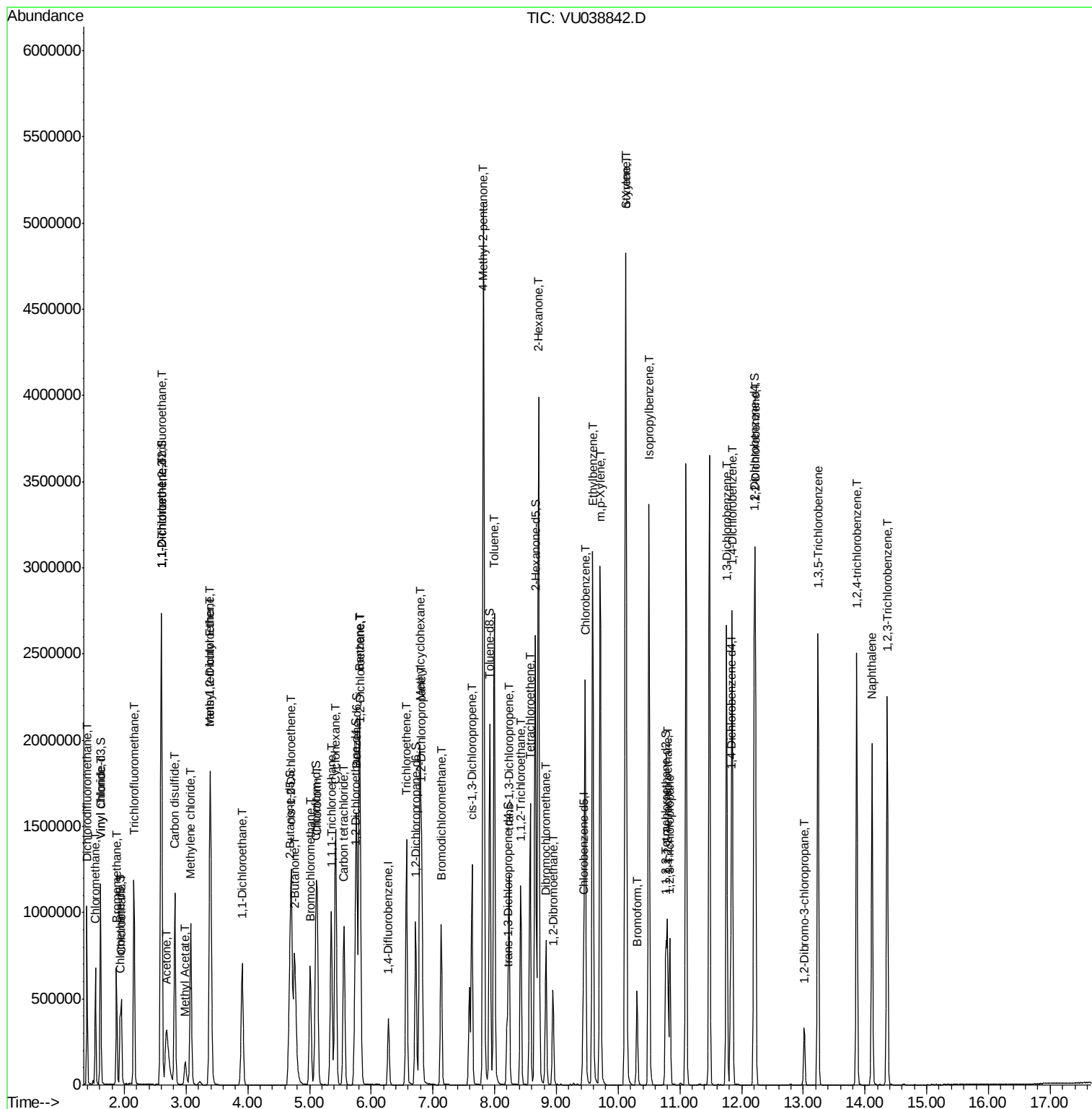
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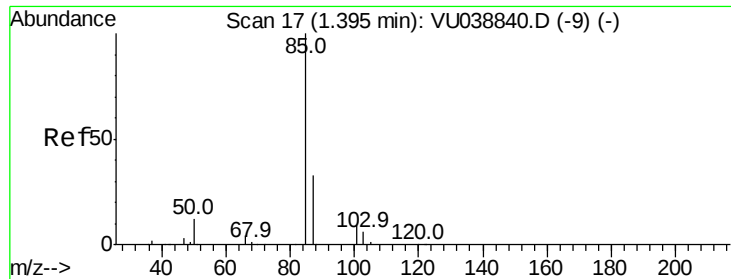
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#2

Dichlorodifluoromethane

Concen: 24.092 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU038842.D

Acq: 12 Jun 2020 10:42

Instrument :

MSVOA_U

ClientSampleId :

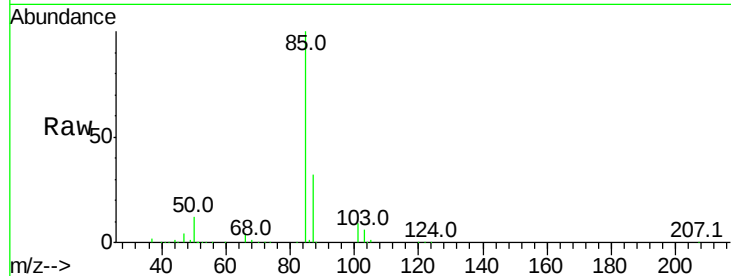
VSTD02006

Tgt Ion: 85 Resp: 574166

Ion Ratio Lower Upper

85 100

87 32.1 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU038842.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU038842.D (-9) (-)

1.39

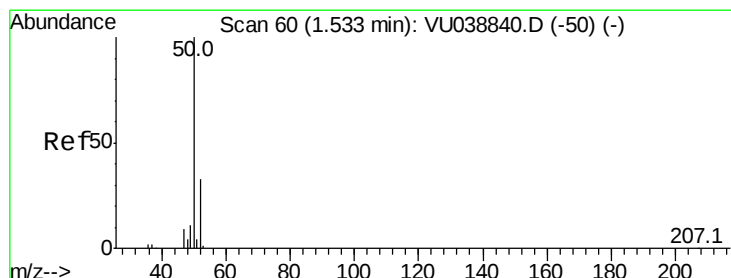
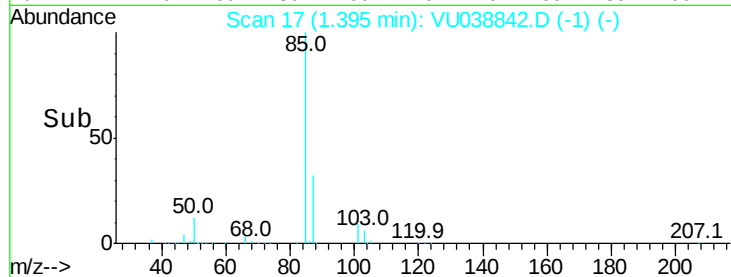
600000

400000

200000

0

Time-->



#3

Chloromethane

Concen: 21.229 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU038842.D

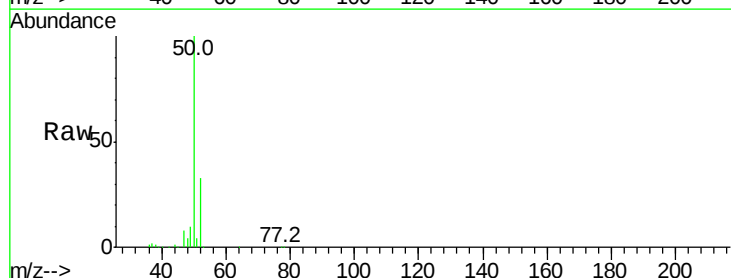
Acq: 12 Jun 2020 10:42

Tgt Ion: 50 Resp: 464628

Ion Ratio Lower Upper

50 100

52 33.3 22.7 42.3



Abundance Ion 50.05 (49.75 to 50.75): VU038842.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU038842.D (-50) (-)

1.53

400000

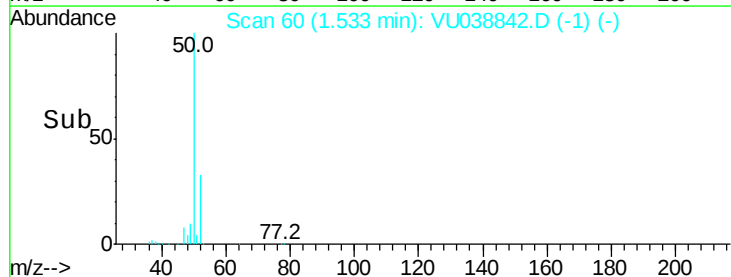
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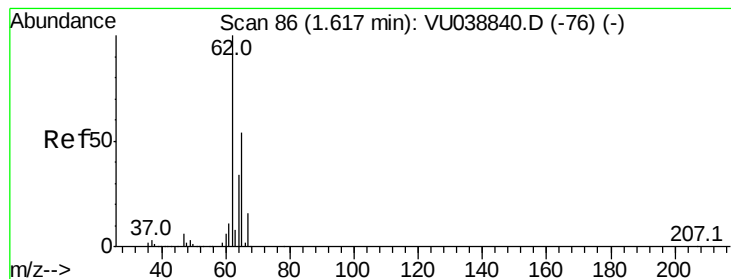
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 21.809 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU038842.D

Acq: 12 Jun 2020 10:42

Instrument :

MSVOA_U

ClientSampleId :

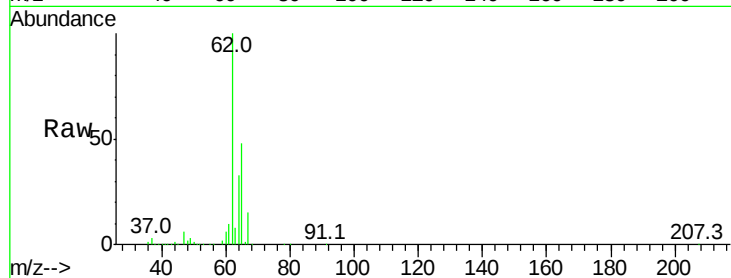
VSTD02006

Tgt Ion: 62 Resp: 511427

Ion Ratio Lower Upper

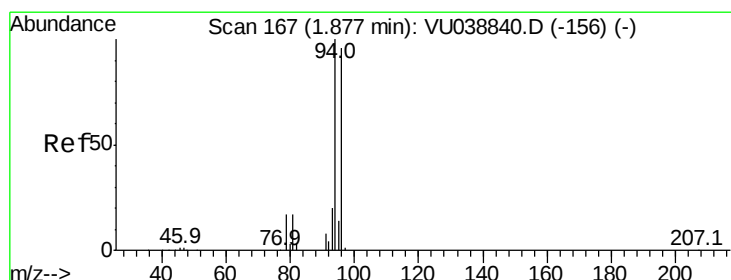
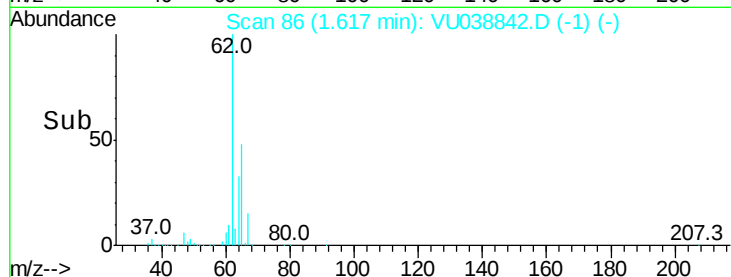
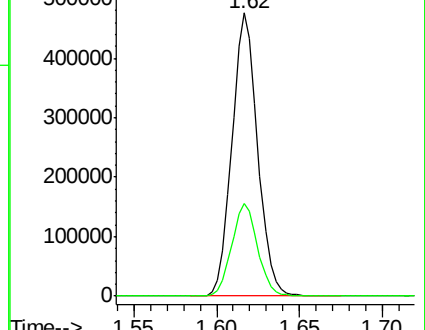
62 100

64 32.8 23.4 43.6



Abundance Ion 62.00 (61.70 to 62.70): VU038842.D (-76) (-)

Ion 64.10 (63.80 to 64.80): VU038842.D (-76) (-)



#6

Bromomethane

Concen: 26.599 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU038842.D

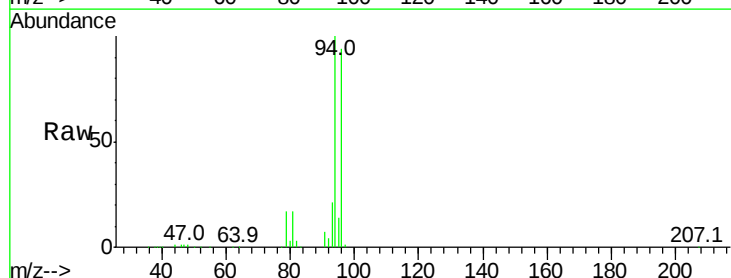
Acq: 12 Jun 2020 10:42

Tgt Ion: 94 Resp: 302814

Ion Ratio Lower Upper

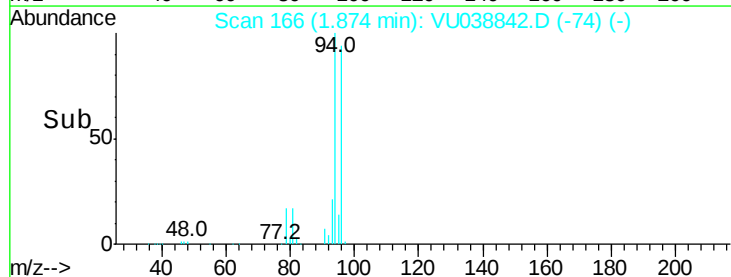
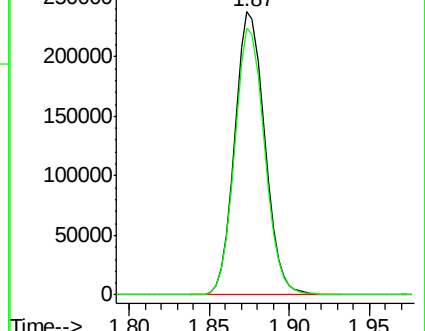
94 100

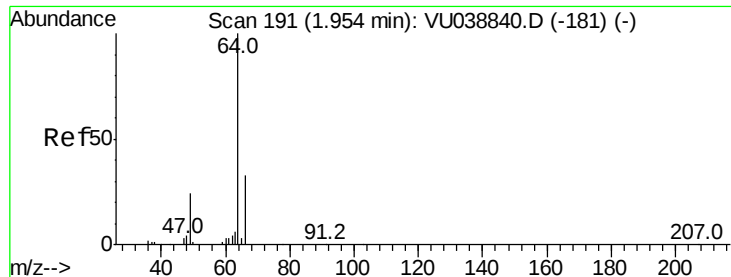
96 94.2 66.8 124.2



Abundance Ion 94.00 (93.70 to 94.70): VU038842.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU038842.D (-156) (-)

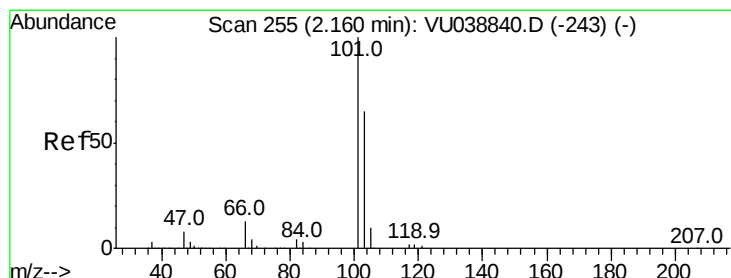
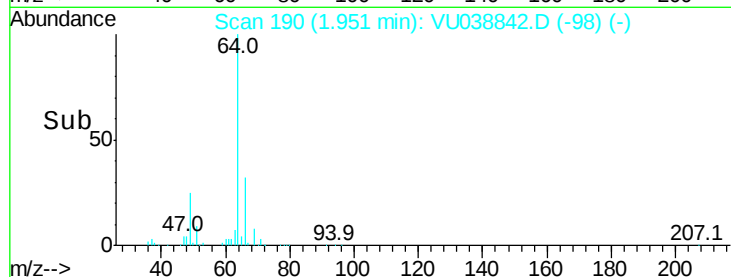
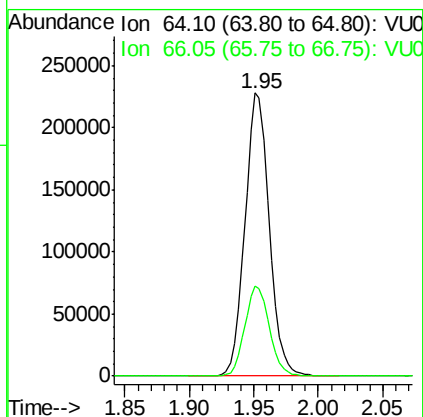
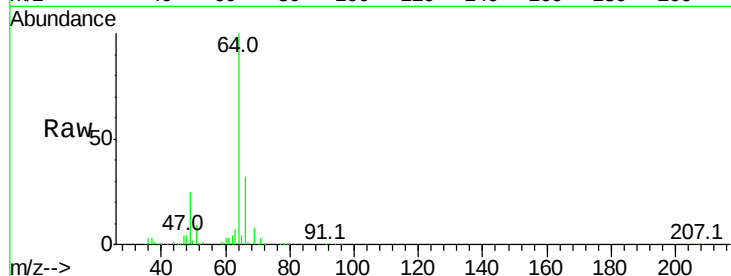




#8
Chloroethane
Concen: 21.092 ug/L
RT: 1.95 min Scan# 190
Delta R.T. -0.00 min
Lab File: VU038842.D
Acq: 12 Jun 2020 10:42

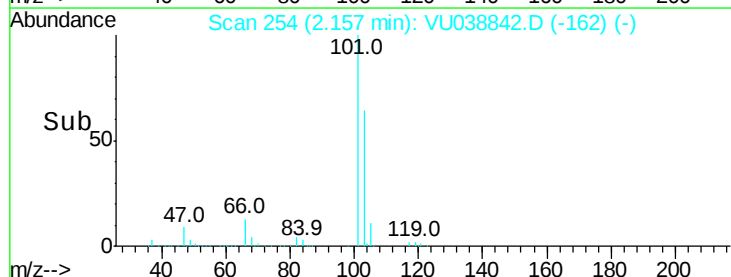
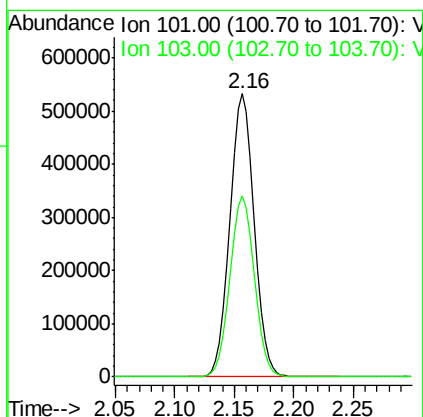
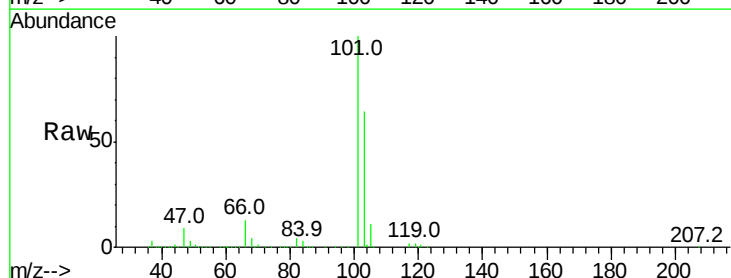
Instrument :
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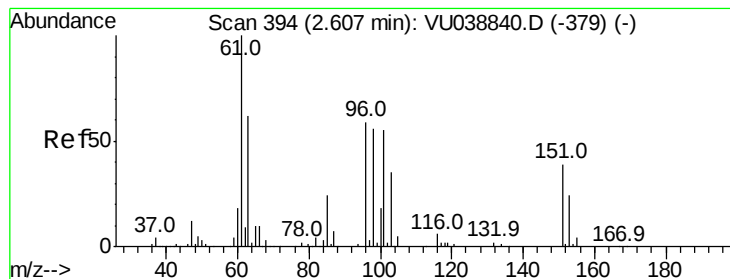
Tgt Ion: 64 Resp: 296353
Ion Ratio Lower Upper
64 100
66 31.9 22.9 42.5



#9
Trichlorofluoromethane
Concen: 24.206 ug/L
RT: 2.16 min Scan# 254
Delta R.T. -0.00 min
Lab File: VU038842.D
Acq: 12 Jun 2020 10:42

Tgt Ion: 101 Resp: 752994
Ion Ratio Lower Upper
101 100
103 64.4 51.5 77.3





#10

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

Concen: 23.381 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038842.D

Acq: 12 Jun 2020 10:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD02006

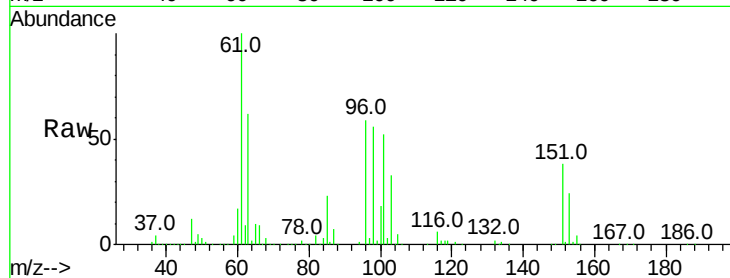
Tgt Ion: 101 Resp: 428370

Ion Ratio Lower Upper

101 100

85 43.2 34.5 51.7

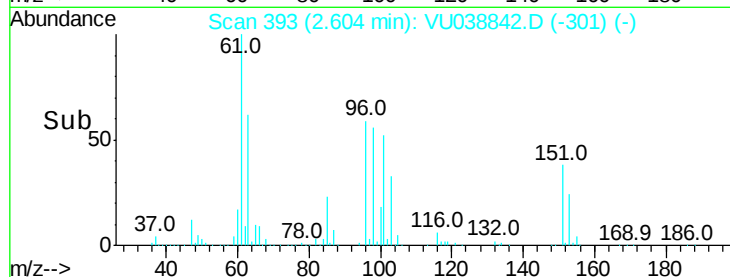
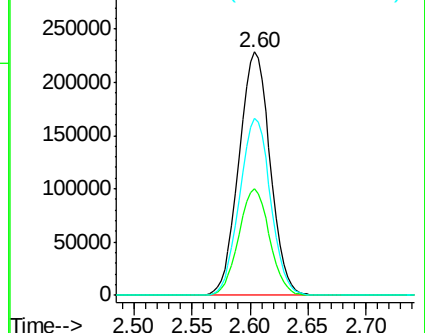
151 72.4 56.5 84.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 22.531 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU038842.D

Acq: 12 Jun 2020 10:42

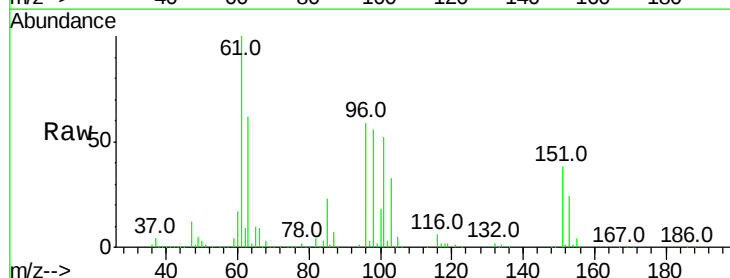
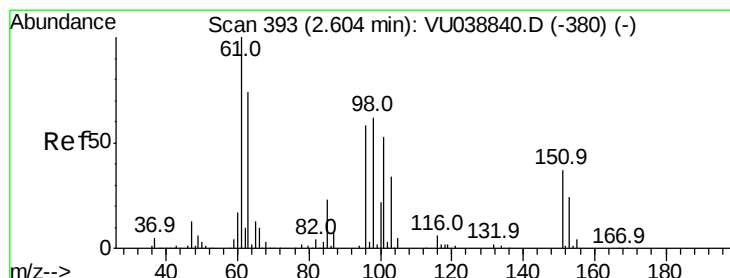
Tgt Ion: 96 Resp: 419571

Ion Ratio Lower Upper

96 100

61 170.4 120.2 223.2

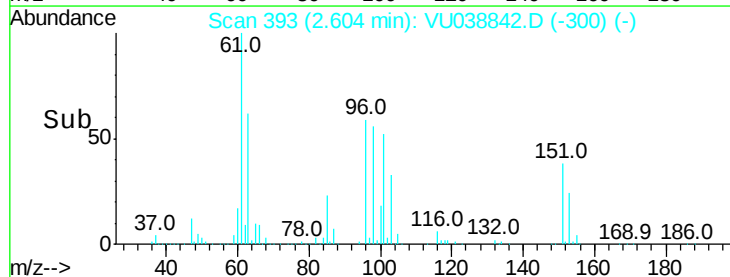
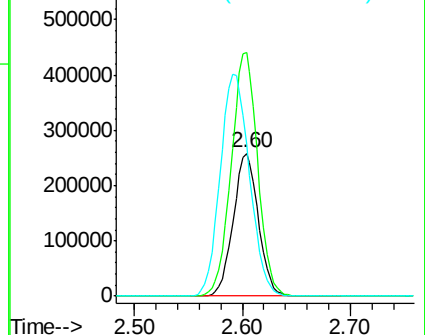
63 106.4 90.1 167.3

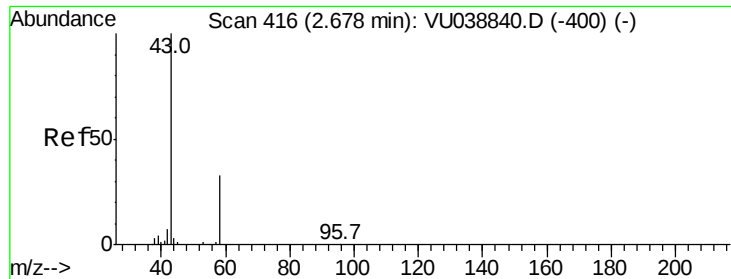


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 211.898 ug/L

RT: 2.68 min Scan# 418

Delta R.T. 0.01 min

Lab File: VU038842.D

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ClientSampleId :

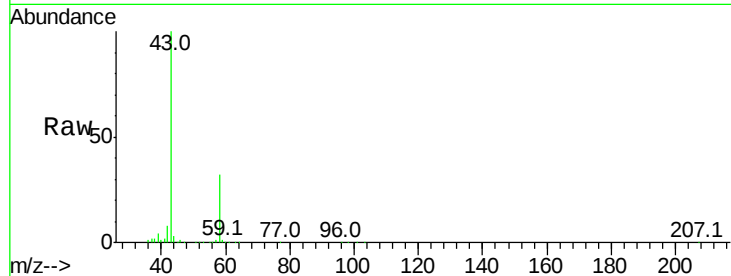
VSTD02006

Tgt Ion: 43 Resp: 824433

Ion Ratio Lower Upper

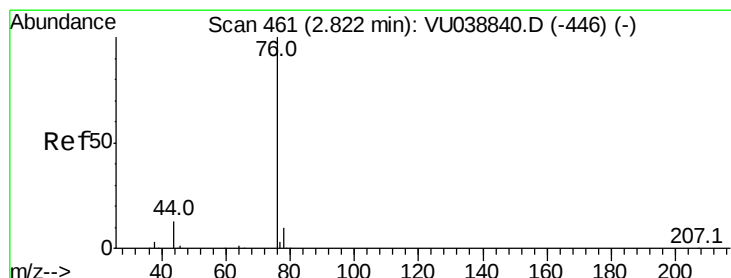
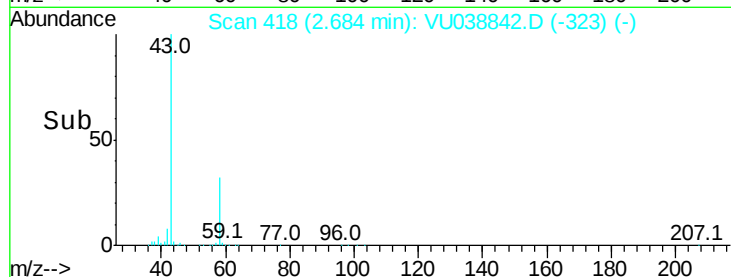
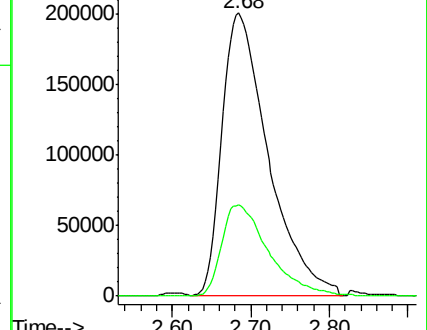
43 100

58 32.8 0.0 66.0



Abundance Ion 43.05 (42.75 to 43.75): VU038840.D (-400) (-)

Ion 58.05 (57.75 to 58.75): VU038840.D (-400) (-)



#14

Carbon disulfide

Concen: 22.711 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU038842.D

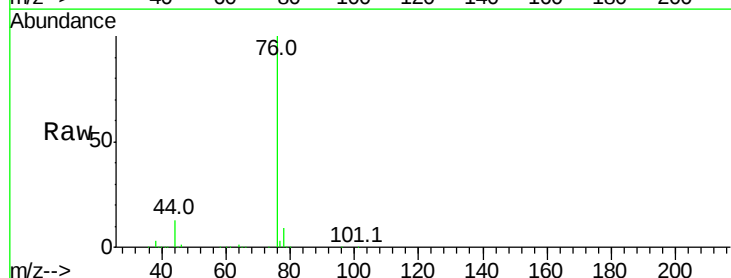
Acq: 12 Jun 2020 10:42

Tgt Ion: 76 Resp: 1435050

Ion Ratio Lower Upper

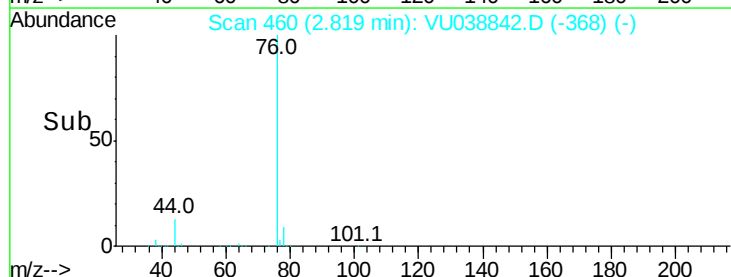
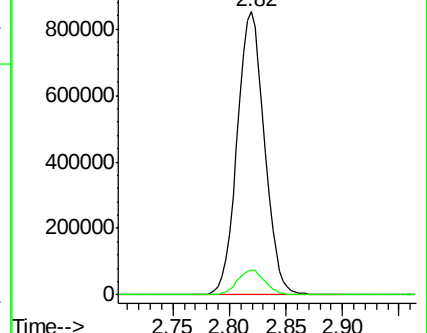
76 100

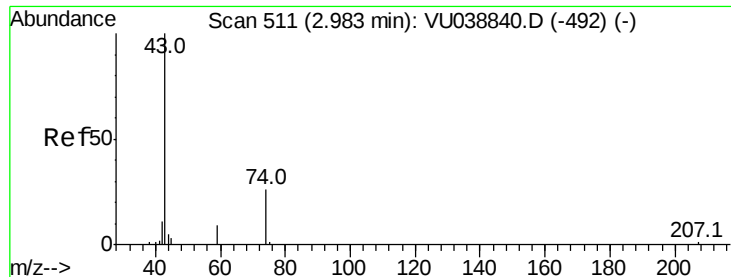
78 8.9 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VU038840.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU038840.D (-446) (-)

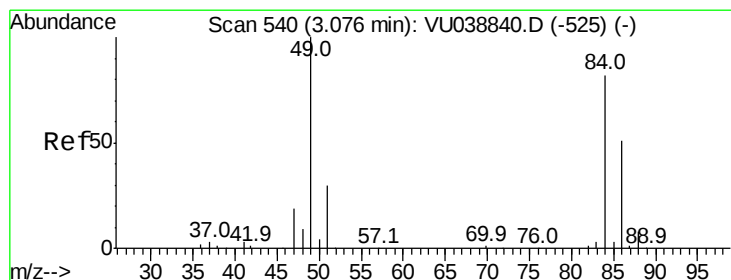
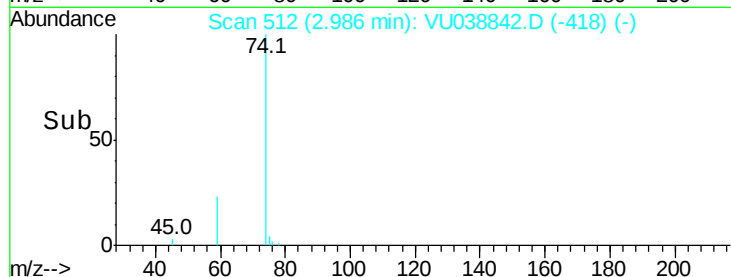
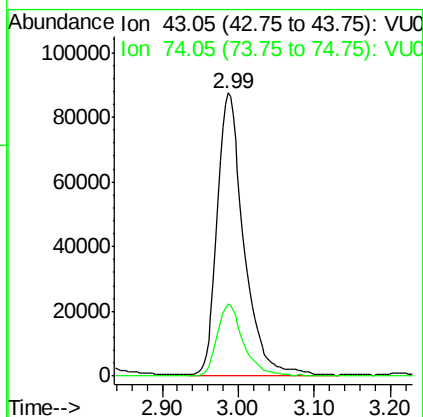
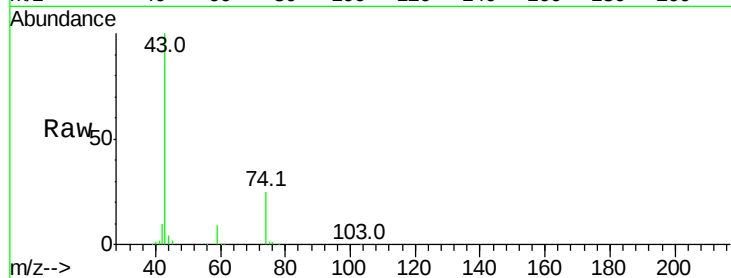




#15
Methyl Acetate
Concen: 22.114 ug/L
RT: 2.99 min Scan# 512
Delta R.T. 0.00 min
Lab File: VU038842.D
Acq: 12 Jun 2020 10:42

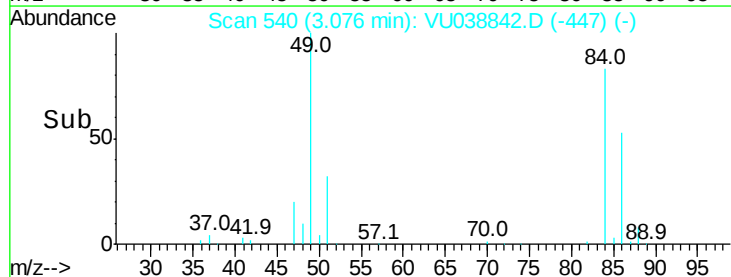
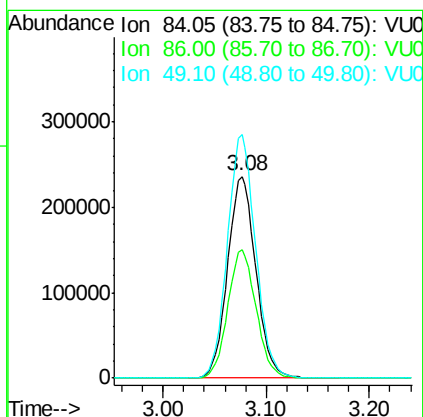
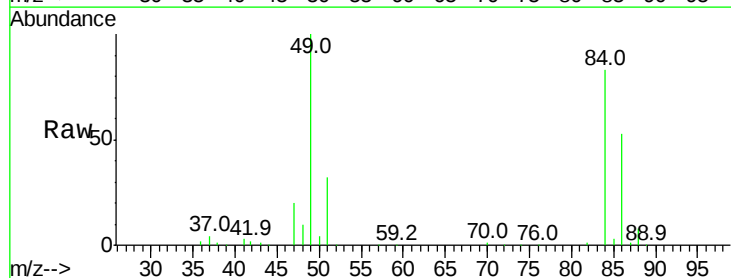
Instrument :
MSVOA_U
ClientSampleId :
VSTD02006

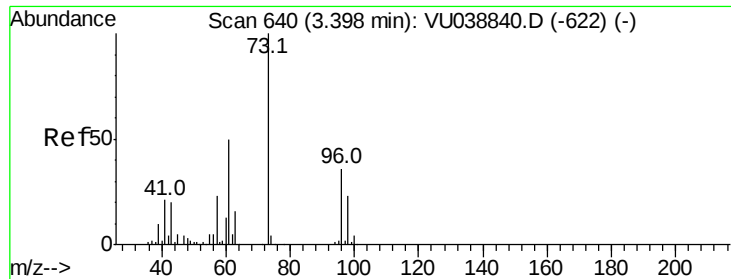
Tgt Ion: 43 Resp: 210784
Ion Ratio Lower Upper
43 100
74 25.3 21.0 31.4



#16
Methylene chloride
Concen: 21.385 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU038842.D
Acq: 12 Jun 2020 10:42

Tgt Ion: 84 Resp: 450668
Ion Ratio Lower Upper
84 100
86 63.6 43.0 80.0
49 120.6 85.0 157.8

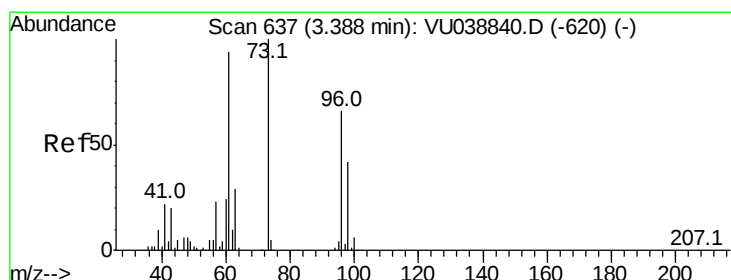
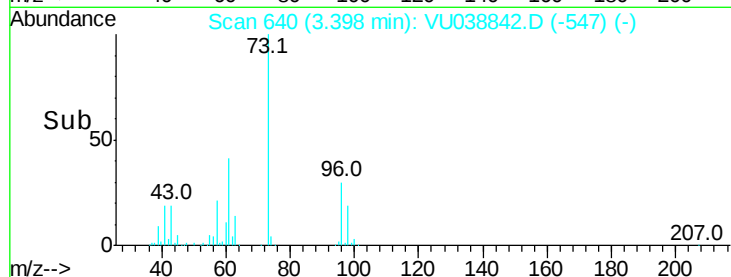
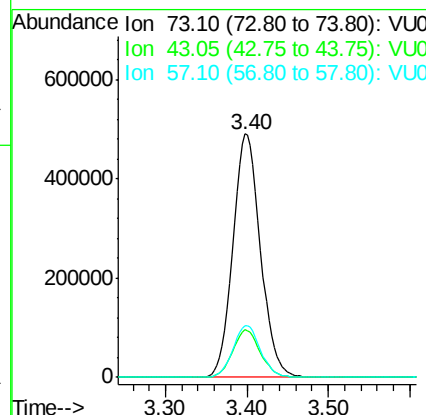
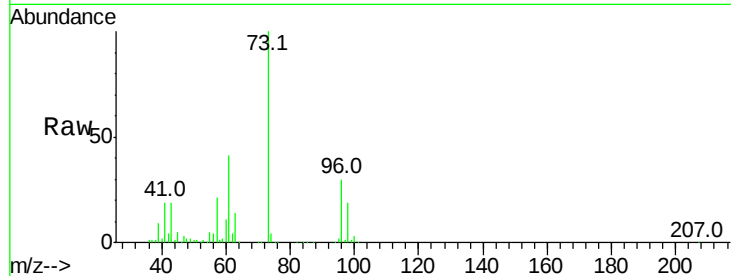




#17
Methyl tert-butyl Ether
Concen: 23.688 ug/L
RT: 3.40 min Scan# 640
Delta R.T. 0.00 min
Lab File: VU038842.D
Acq: 12 Jun 2020 10:42

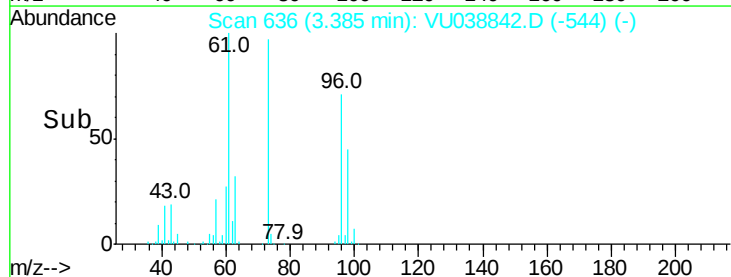
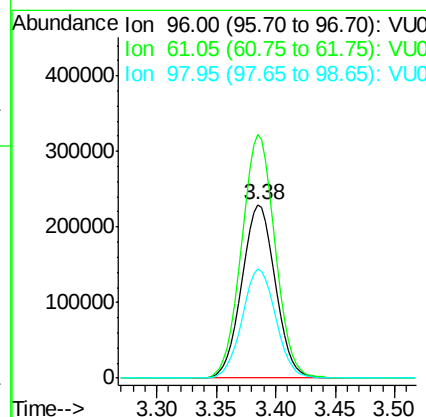
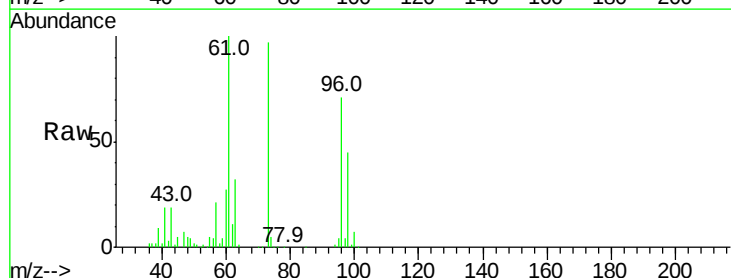
Instrument :
MSVOA_U
ClientSampleId :
VSTD02006

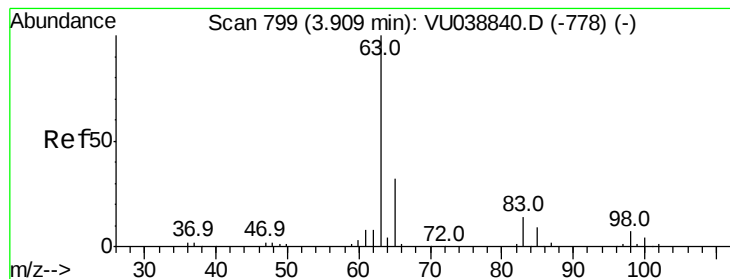
Tgt Ion: 73 Resp: 1156650
Ion Ratio Lower Upper
73 100
43 19.6 15.9 23.9
57 21.4 17.5 26.3



#18
trans-1,2-Dichloroethene
Concen: 22.375 ug/L
RT: 3.38 min Scan# 636
Delta R.T. -0.00 min
Lab File: VU038842.D
Acq: 12 Jun 2020 10:42

Tgt Ion: 96 Resp: 449046
Ion Ratio Lower Upper
96 100
61 140.2 99.3 184.5
98 62.6 43.9 81.5





#19

1,1-Dichloroethane

Concen: 22.465 ug/L

RT: 3.91 min Scan# 799

Delta R.T. 0.00 min

Lab File: VU038842.D

Acq: 12 Jun 2020 10:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD02006

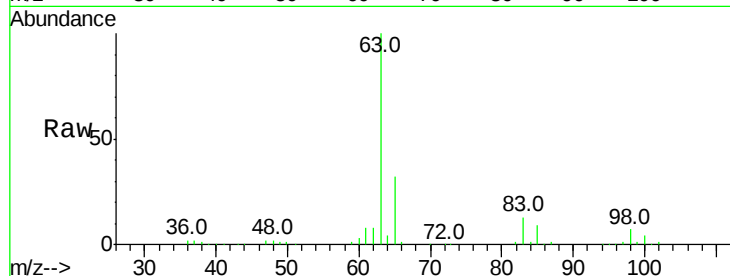
Tgt Ion: 63 Resp: 806844

Ion Ratio Lower Upper

63 100

65 32.0 22.3 41.5

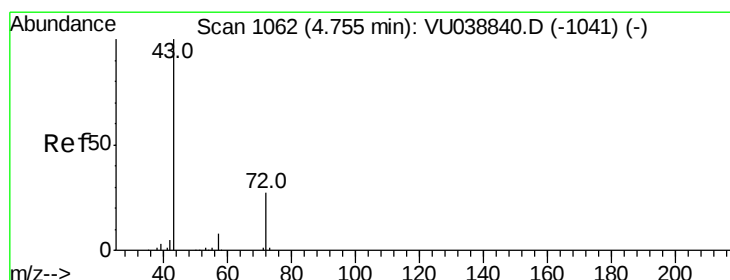
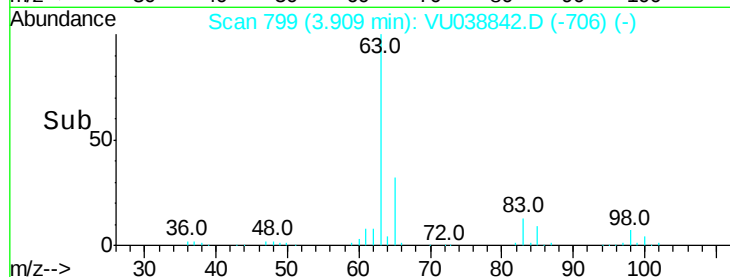
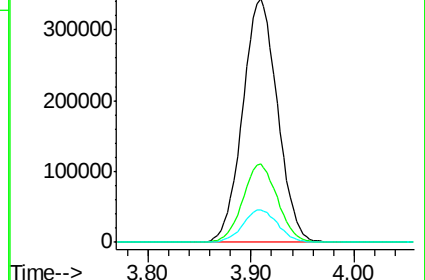
83 13.4 10.1 18.9



Abundance Ion 63.10 (62.80 to 63.80): VU038842.D (-778) (-)

Ion 65.10 (64.80 to 65.80): VU038842.D (-778) (-)

Ion 83.05 (82.75 to 83.75): VU038842.D (-778) (-)



#21

2-Butanone

Concen: 217.373 ug/L

RT: 4.76 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VU038842.D

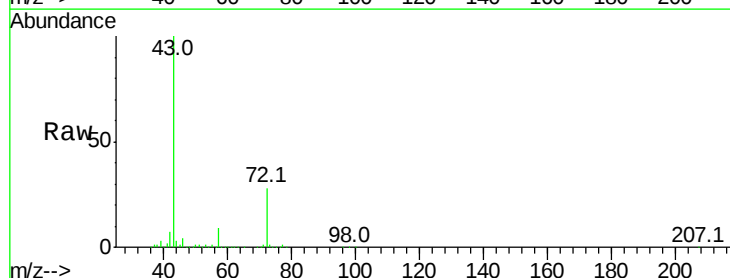
Acq: 12 Jun 2020 10:42

Tgt Ion: 43 Resp: 1422511

Ion Ratio Lower Upper

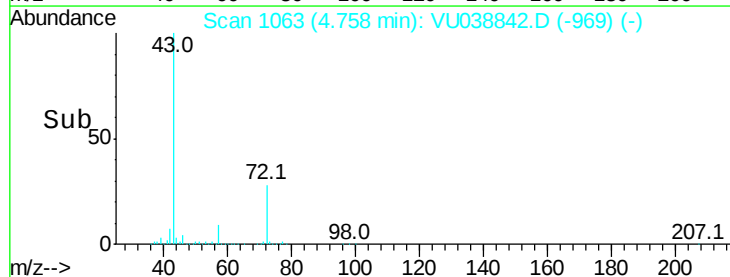
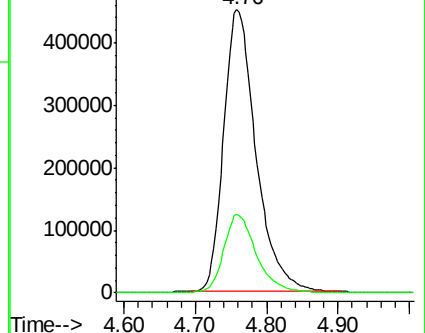
43 100

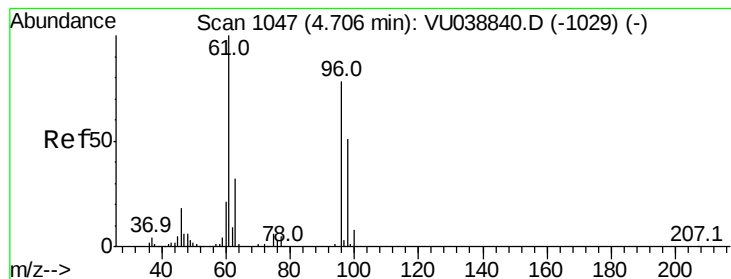
72 28.3 14.2 42.8



Abundance Ion 43.05 (42.75 to 43.75): VU038842.D (-969) (-)

Ion 72.10 (71.80 to 72.80): VU038842.D (-969) (-)





#22

cis-1,2-Dichloroethene

Concen: 22.099 ug/L

RT: 4.70 min Scan# 1046

Delta R.T. -0.00 min

Lab File: VU038842.D

Acq: 12 Jun 2020 10:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD02006

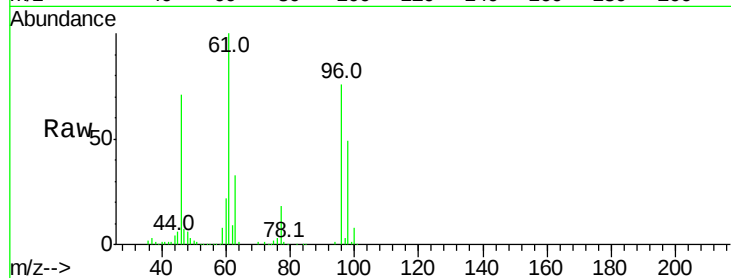
Tgt Ion: 96 Resp: 477545

Ion Ratio Lower Upper

96 100

61 130.8 89.7 166.7

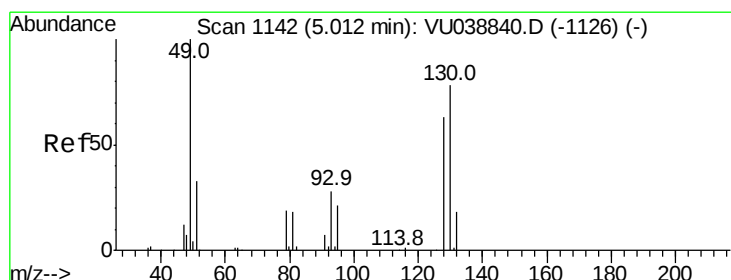
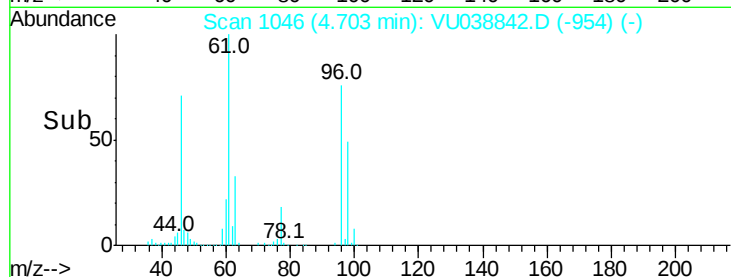
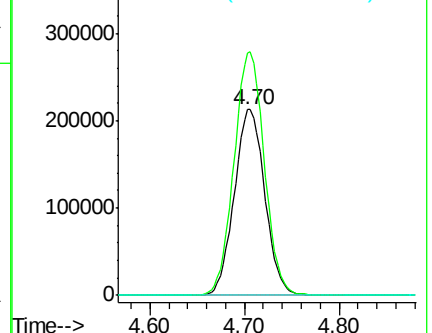
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU038842.D (-1029) (-)

Ion 61.05 (60.75 to 61.75): VU038842.D (-1029) (-)

Ion 68.15 (67.85 to 68.85): VU038842.D (-1029) (-)



#23

Bromochloromethane

Concen: 22.351 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU038842.D

Acq: 12 Jun 2020 10:42

Tgt Ion: 128 Resp: 217371

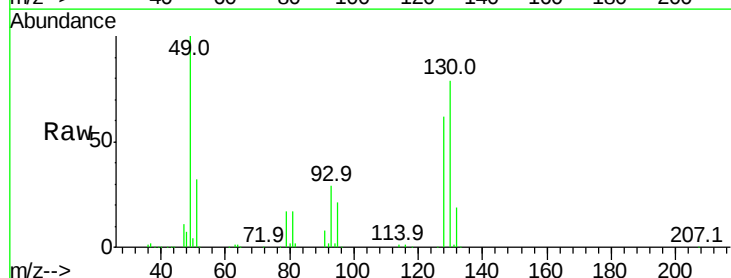
Ion Ratio Lower Upper

128 100

49 162.3 110.8 205.8

130 128.6 86.6 160.8

51 52.0 42.3 63.5

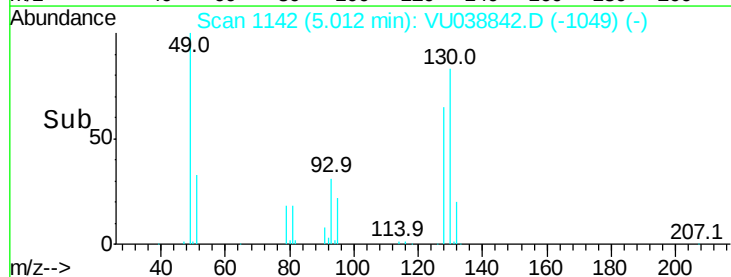
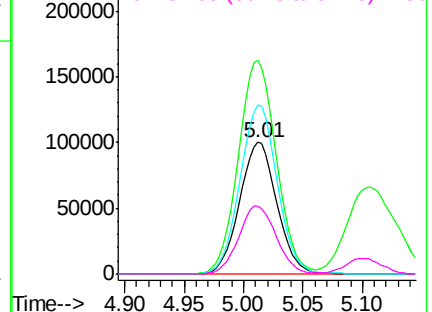


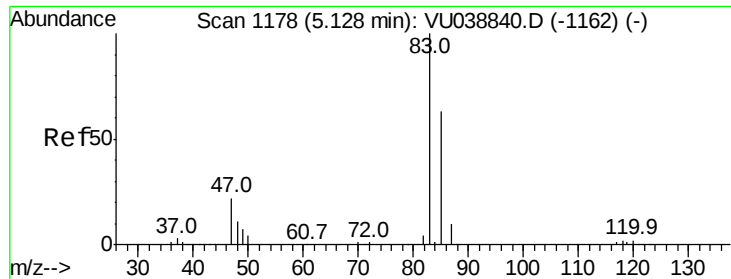
Abundance Ion 127.90 (127.60 to 128.60): VU038842.D (-1126) (-)

Ion 49.10 (48.80 to 49.80): VU038842.D (-1126) (-)

Ion 129.95 (129.65 to 130.65): VU038842.D (-1126) (-)

Ion 51.05 (50.75 to 51.75): VU038842.D (-1126) (-)

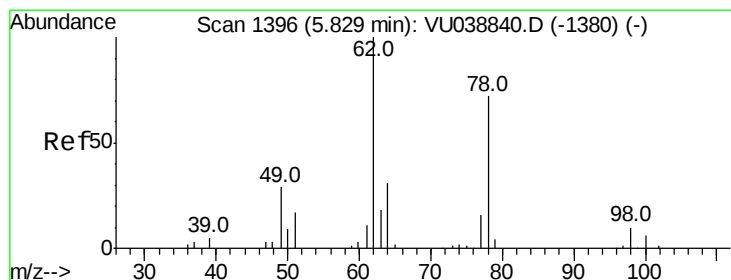
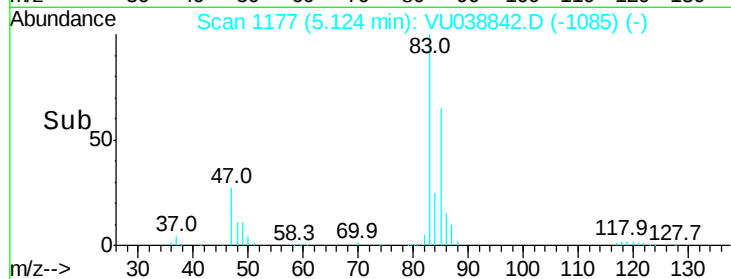
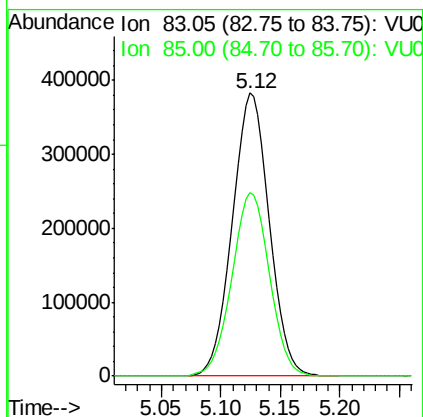
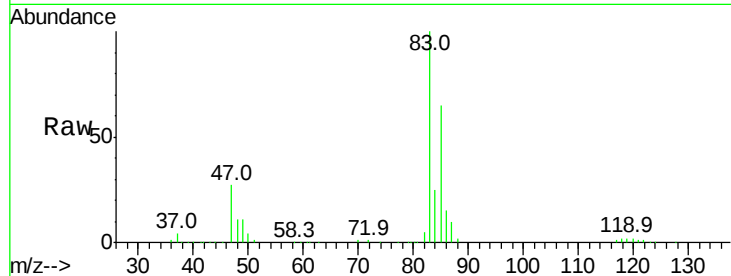




#25
Chloroform
Concen: 22.550 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VU038842.D
Acq: 12 Jun 2020 10:42

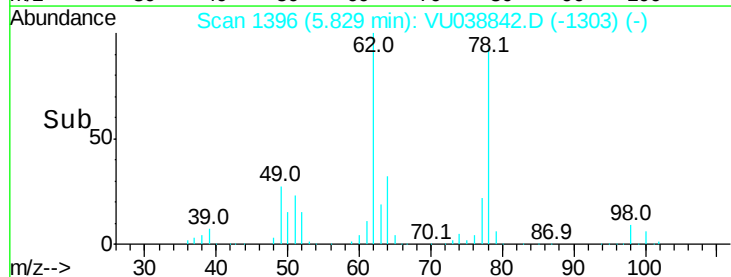
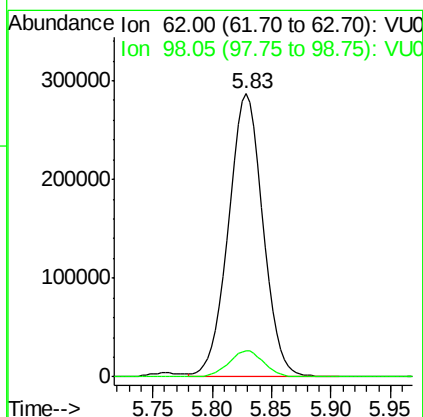
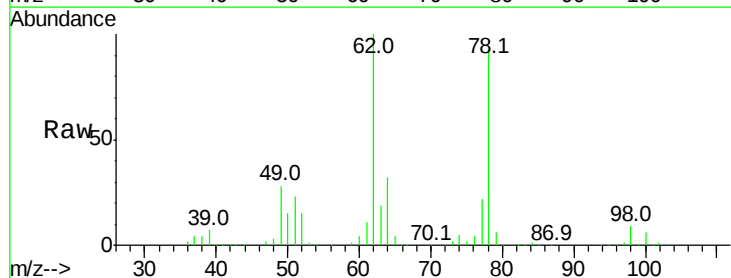
Instrument :
MSVOA_U
ClientSampleId :
VSTD02006

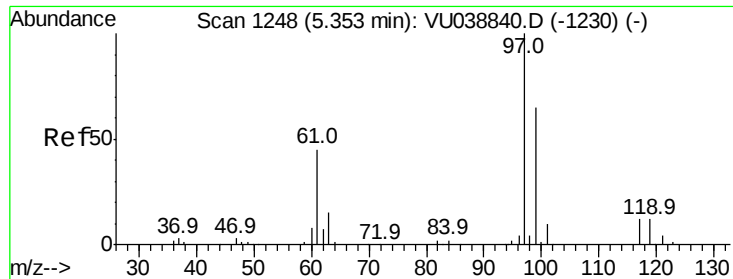
Tgt Ion: 83 Resp: 822716
Ion Ratio Lower Upper
83 100
85 64.8 44.1 81.9



#27
1,2-Dichloroethane
Concen: 22.400 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU038842.D
Acq: 12 Jun 2020 10:42

Tgt Ion: 62 Resp: 575369
Ion Ratio Lower Upper
62 100
98 9.3 8.2 12.4

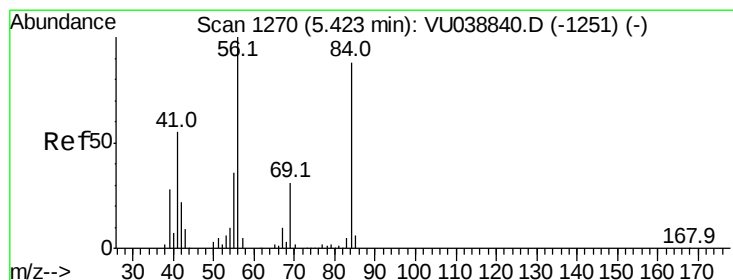
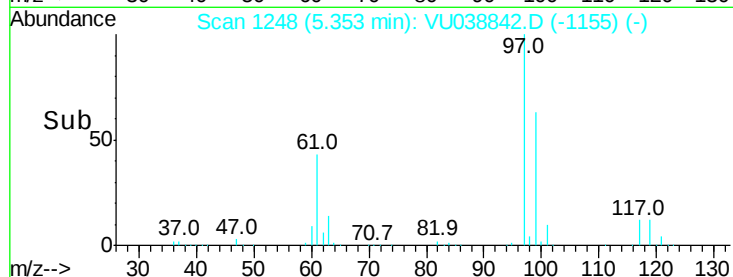
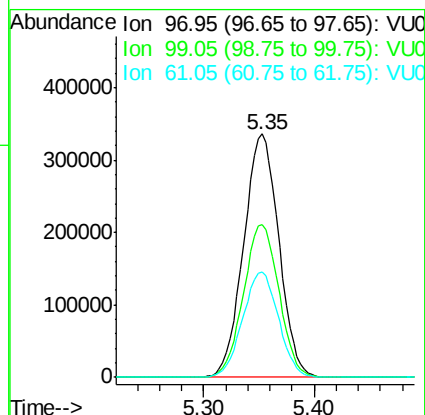
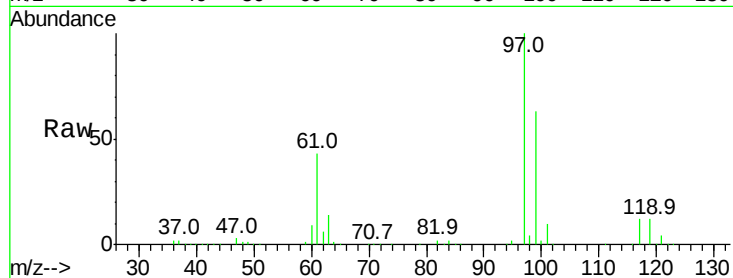




#29
 1,1,1-Trichloroethane
 Concen: 23.103 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VU038842.D
 Acq: 12 Jun 2020 10:42

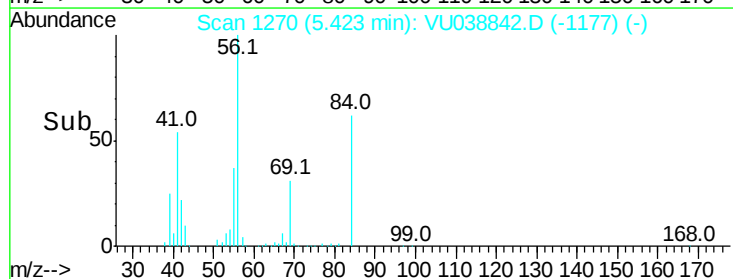
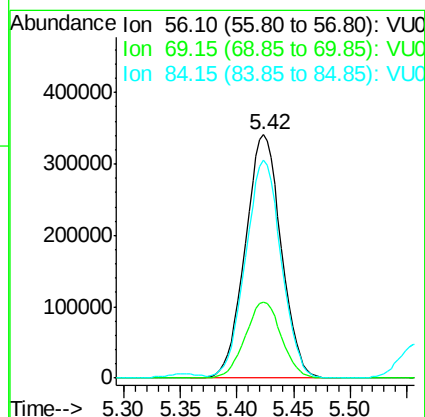
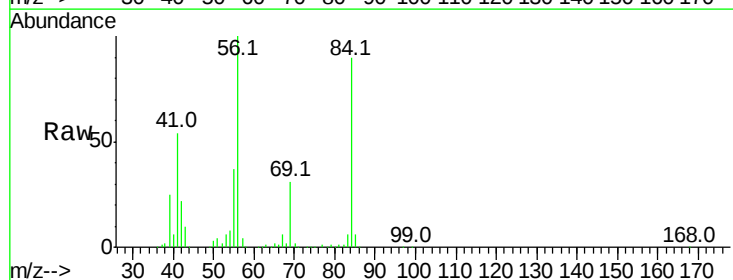
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

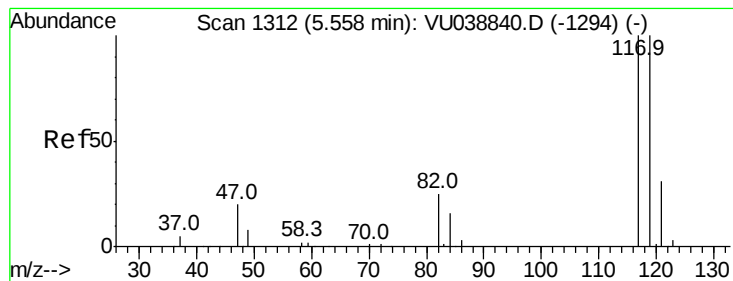
Tgt Ion: 97 Resp: 742623
 Ion Ratio Lower Upper
 97 100
 99 63.7 52.1 78.1
 61 44.2 35.9 53.9



#30
 Cyclohexane
 Concen: 22.331 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VU038842.D
 Acq: 12 Jun 2020 10:42

Tgt Ion: 56 Resp: 752713
 Ion Ratio Lower Upper
 56 100
 69 31.5 25.1 37.7
 84 89.2 69.5 104.3





#31

Carbon tetrachloride

Concen: 23.466 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU038842.D

Acq: 12 Jun 2020 10:42

Instrument :

MSVOA_U

ClientSampleId :

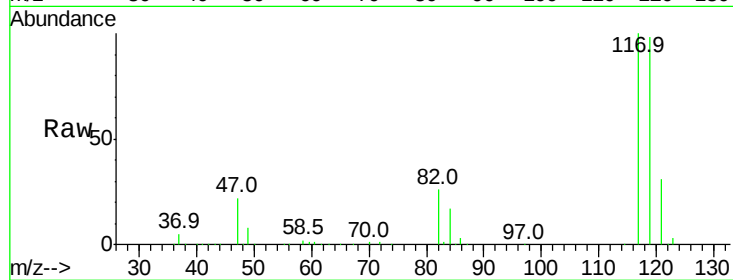
VSTD02006

Tgt Ion:117 Resp: 627978

Ion Ratio Lower Upper

117 100

119 96.1 76.2 114.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.56

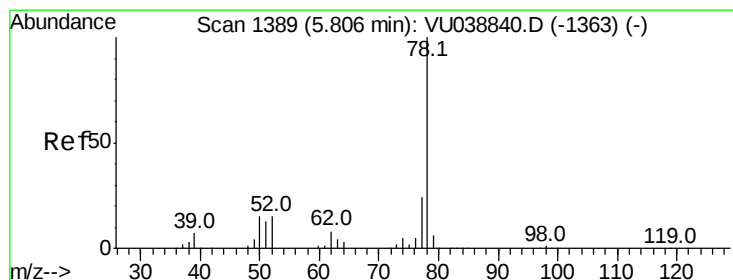
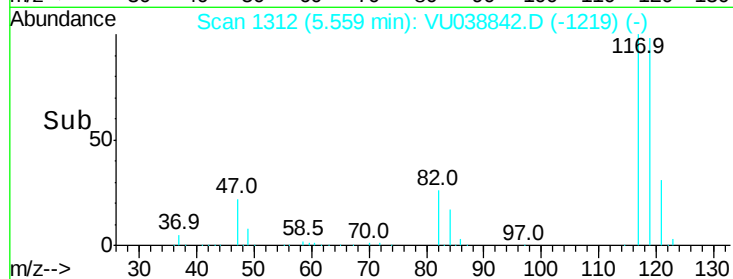
300000

200000

100000

0

Time-->



#33

Benzene

Concen: 21.393 ug/L

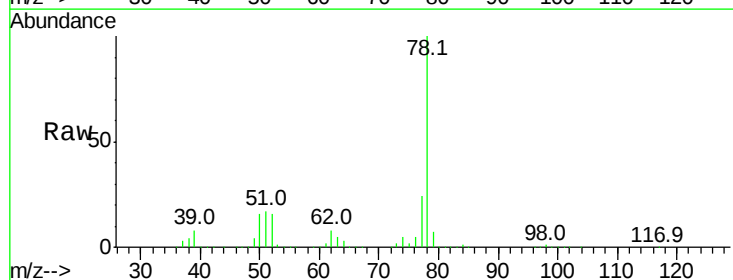
RT: 5.81 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VU038842.D

Acq: 12 Jun 2020 10:42

Tgt Ion: 78 Resp: 1812218



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.81

1000000

800000

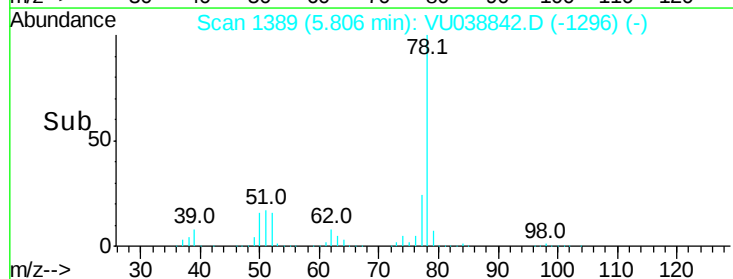
600000

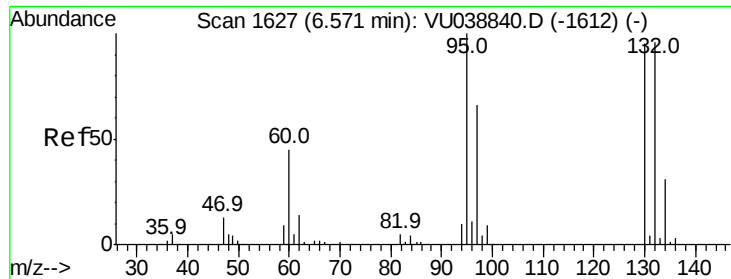
400000

200000

0

Time-->

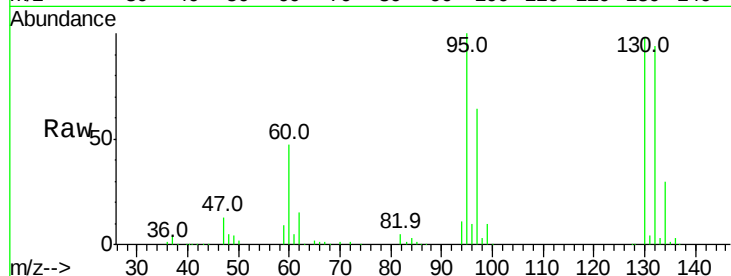




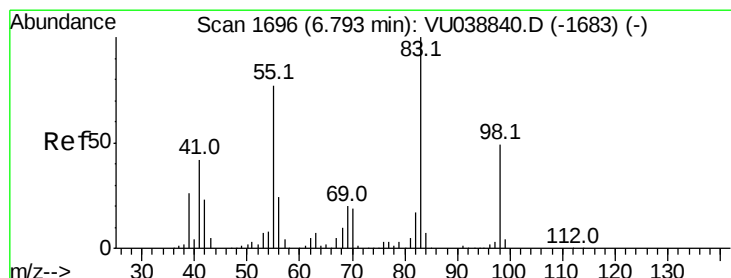
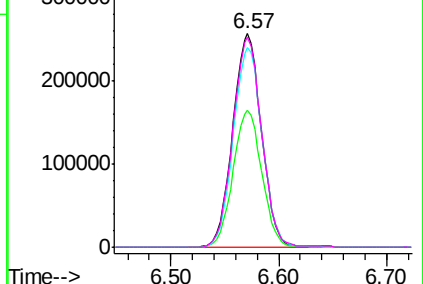
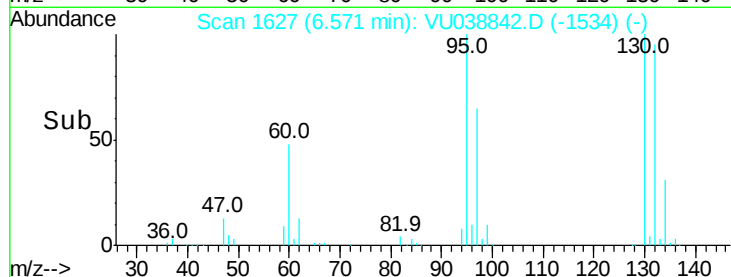
#34
 Trichloroethene
 Concen: 21.568 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU038842.D
 Acq: 12 Jun 2020 10:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

Tgt Ion: 95 Resp: 474213
 Ion Ratio Lower Upper
 95 100
 97 63.9 46.1 85.5
 132 93.7 67.5 125.3
 130 98.4 66.7 123.9

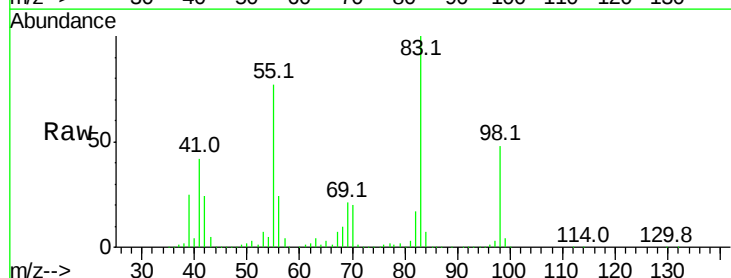


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

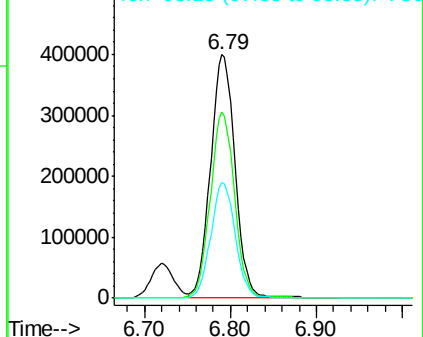
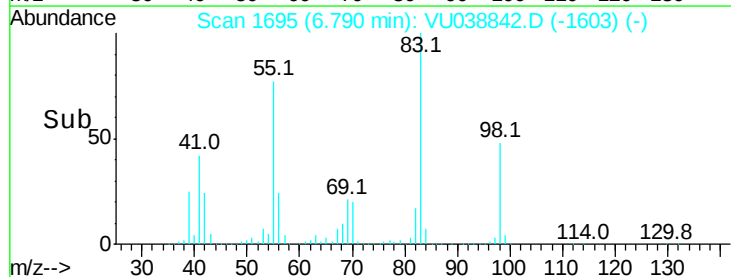


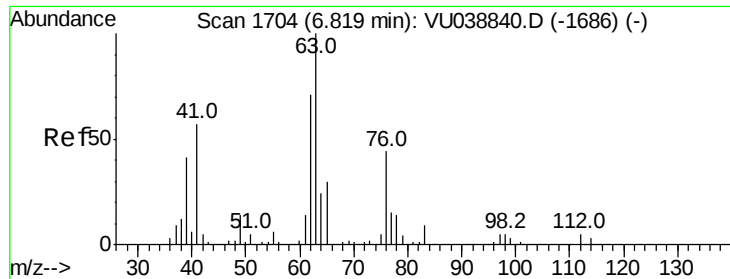
#35
 Methylcyclohexane
 Concen: 23.248 ug/L
 RT: 6.79 min Scan# 1695
 Delta R.T. -0.00 min
 Lab File: VU038842.D
 Acq: 12 Jun 2020 10:42

Tgt Ion: 83 Resp: 791376
 Ion Ratio Lower Upper
 83 100
 55 76.1 64.2 96.2
 98 47.3 40.5 60.7



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

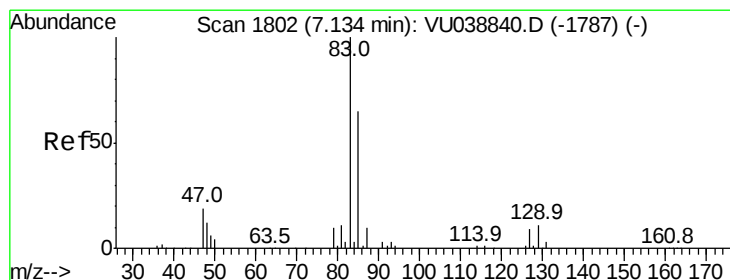
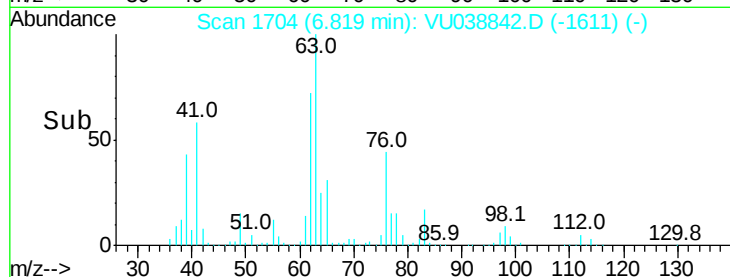
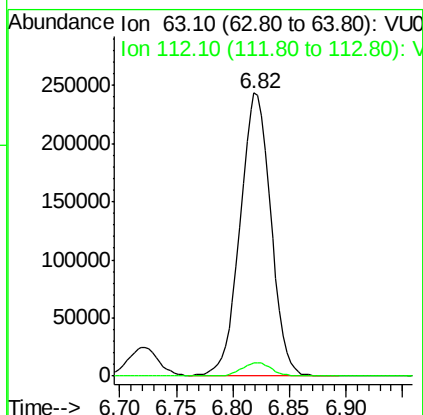
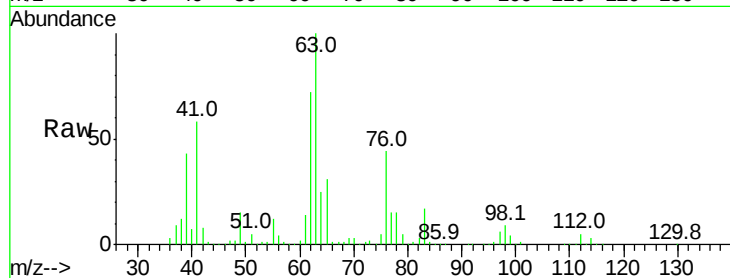




#37
 1,2-Dichloropropane
 Concen: 21.627 ug/L
 RT: 6.82 min Scan# 1704
 Delta R.T. 0.00 min
 Lab File: VU038842.D
 Acq: 12 Jun 2020 10:42

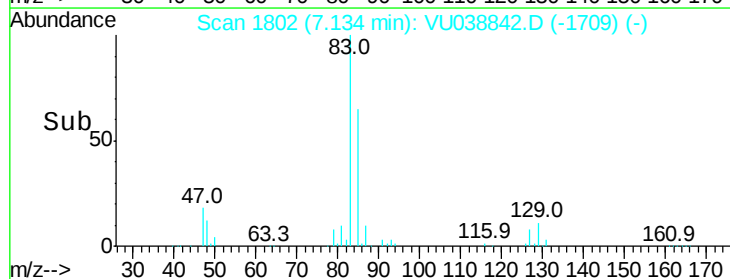
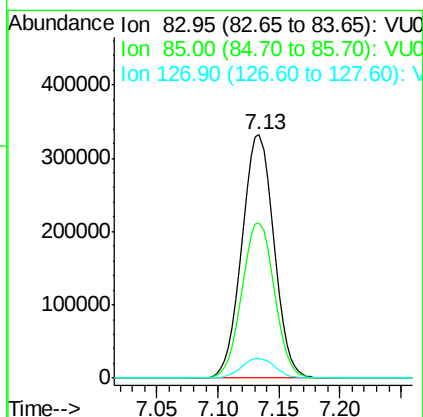
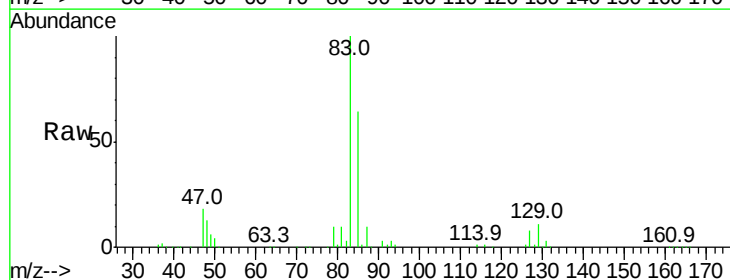
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

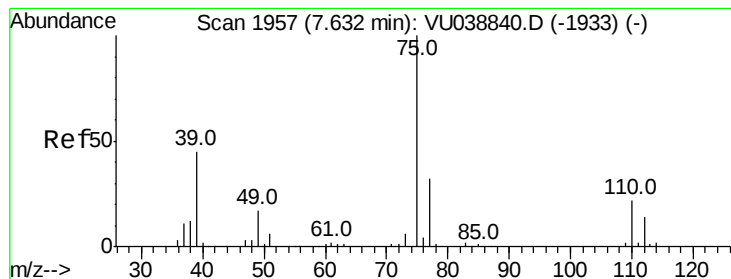
Tgt Ion: 63 Resp: 461010
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.8 5.6



#38
 Bromodichloromethane
 Concen: 22.679 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VU038842.D
 Acq: 12 Jun 2020 10:42

Tgt Ion: 83 Resp: 600389
 Ion Ratio Lower Upper
 83 100
 85 63.9 45.3 84.1
 127 8.2 7.1 10.7



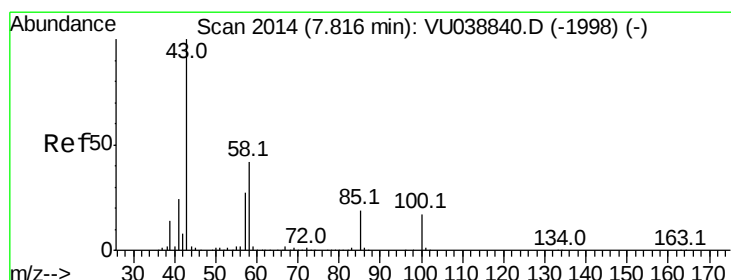
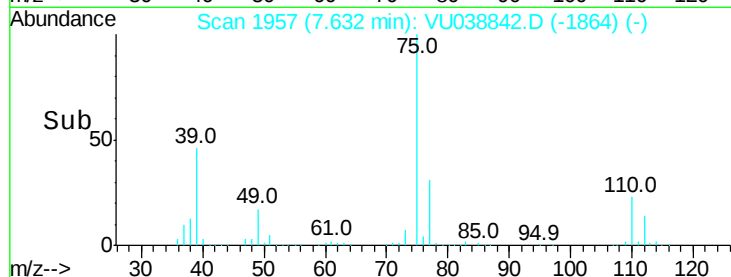
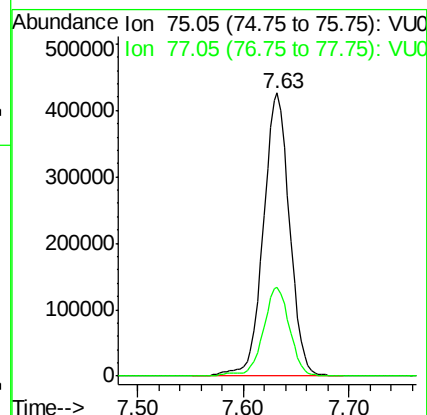
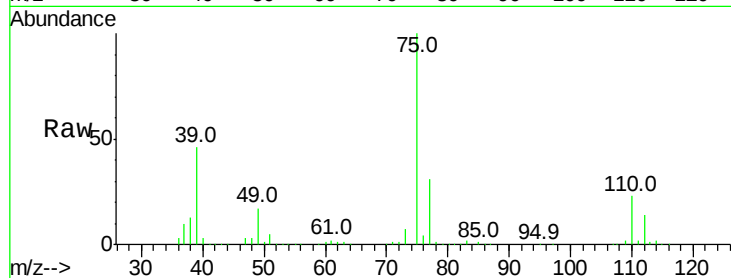


#39

cis-1,3-Dichloropropene
Concen: 23.469 ug/L
RT: 7.63 min Scan# 1957
Delta R.T. 0.00 min
Lab File: VU038842.D
Acq: 12 Jun 2020 10:42

Instrument :
MSVOA_U
ClientSampleId :
VSTD02006

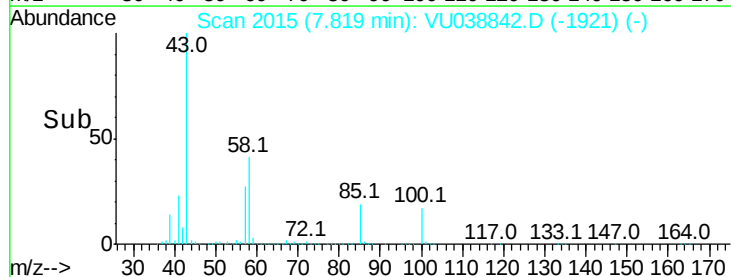
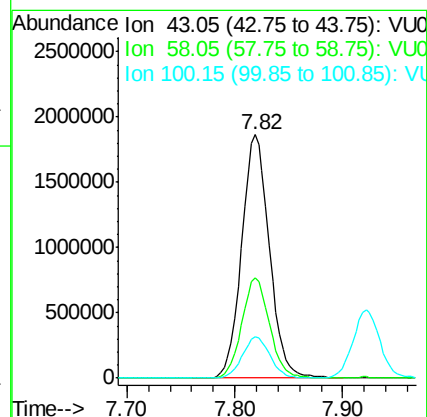
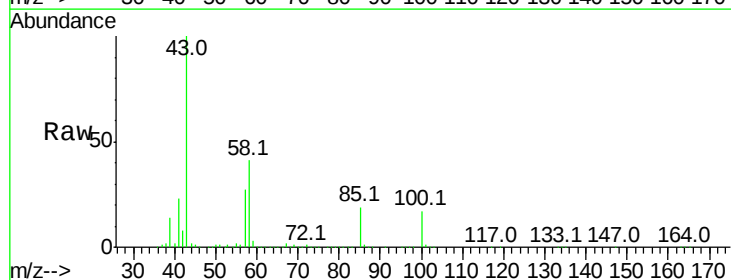
Tgt Ion: 75 Resp: 739358
Ion Ratio Lower Upper
75 100
77 31.3 22.4 41.6

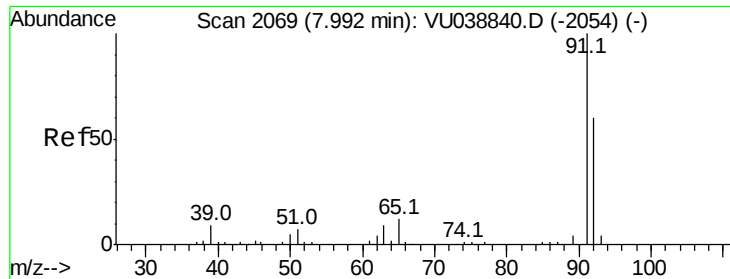


#40

4-Methyl-2-pentanone
Concen: 218.969 ug/L
RT: 7.82 min Scan# 2015
Delta R.T. 0.00 min
Lab File: VU038842.D
Acq: 12 Jun 2020 10:42

Tgt Ion: 43 Resp: 3338127
Ion Ratio Lower Upper
43 100
58 41.1 33.4 50.0
100 17.0 13.5 20.3





#42

Toluene

Concen: 22.341 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU038842.D

Acq: 12 Jun 2020 10:42

Instrument :

MSVOA_U

ClientSampleId :

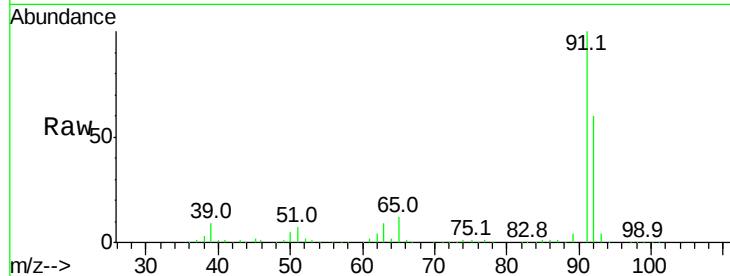
VSTD02006

Tgt Ion: 91 Resp: 1985034

Ion Ratio Lower Upper

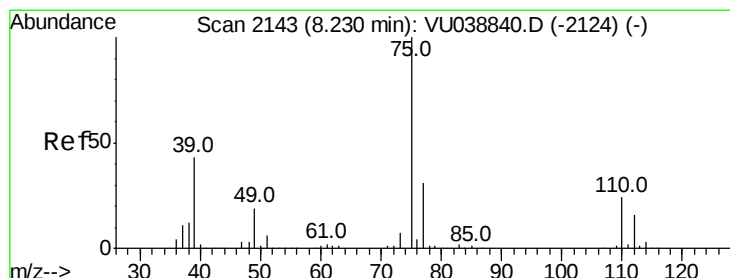
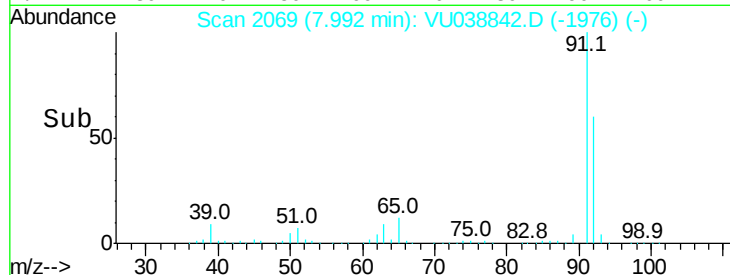
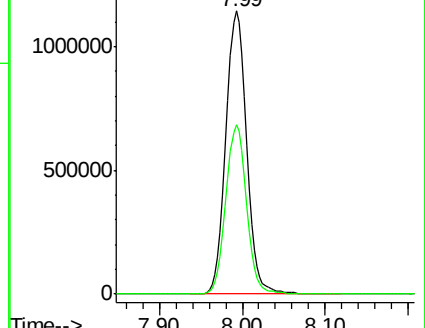
91 100

92 59.9 42.4 78.6



Abundance Ion 91.15 (90.85 to 91.85): VU038840.D (-2054) (-)

Ion 92.15 (91.85 to 92.85): VU038840.D (-2054) (-)



#44

trans-1,3-Dichloropropene

Concen: 23.681 ug/L

RT: 8.23 min Scan# 2143

Delta R.T. 0.00 min

Lab File: VU038842.D

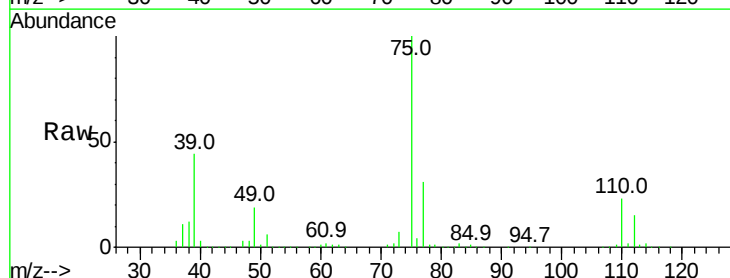
Acq: 12 Jun 2020 10:42

Tgt Ion: 75 Resp: 658899

Ion Ratio Lower Upper

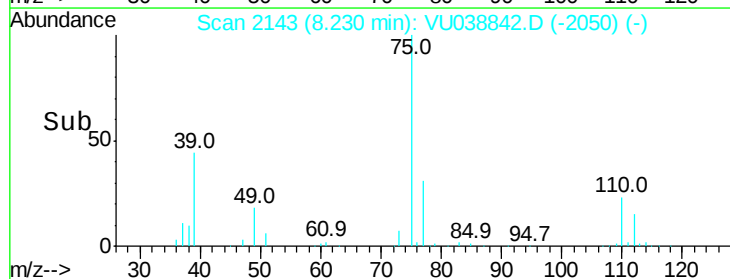
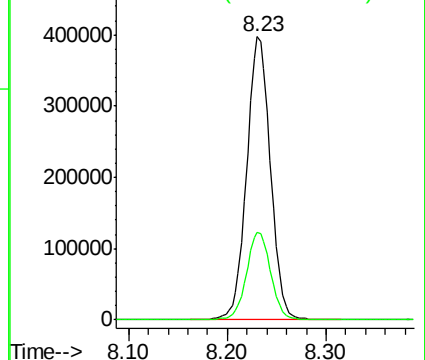
75 100

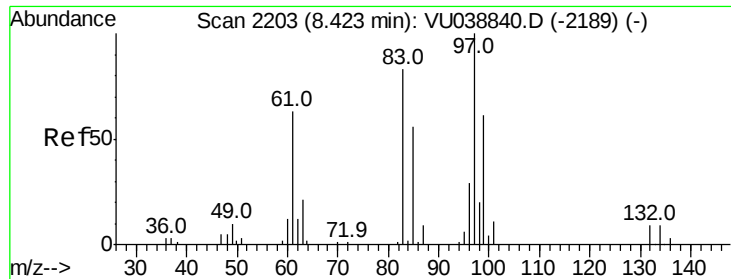
77 31.1 21.9 40.7



Abundance Ion 75.05 (74.75 to 75.75): VU038840.D (-2124) (-)

Ion 77.05 (76.75 to 77.75): VU038840.D (-2124) (-)

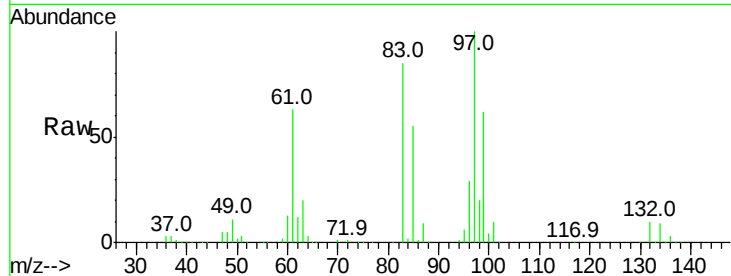




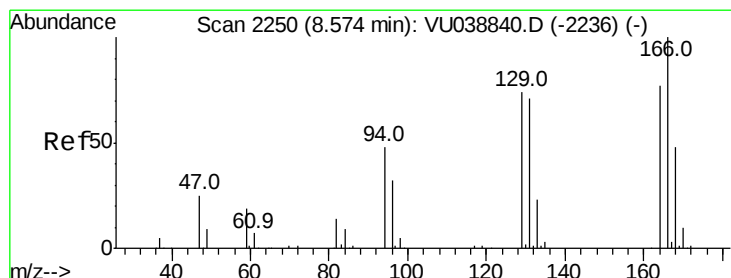
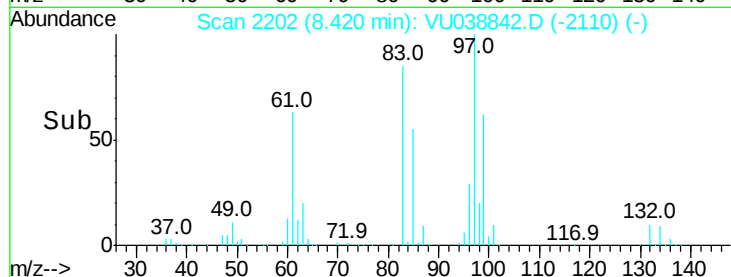
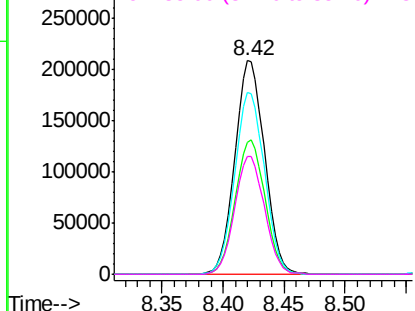
#45
 1,1,2-Trichloroethane
 Concen: 21.933 ug/L
 RT: 8.42 min Scan# 2202
 Delta R.T. -0.00 min
 Lab File: VU038842.D
 Acq: 12 Jun 2020 10:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

Tgt Ion:	97	Resp:	352730
Ion	Ratio	Lower	Upper
97	100		
99	61.5	42.9	79.7
83	85.2	58.0	107.8
85	54.9	39.3	72.9

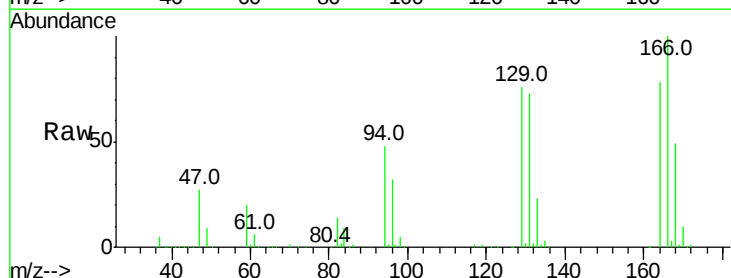


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

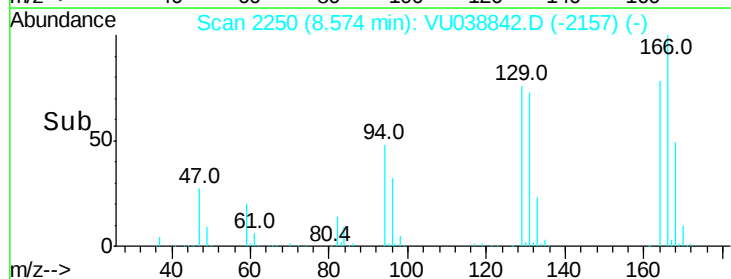
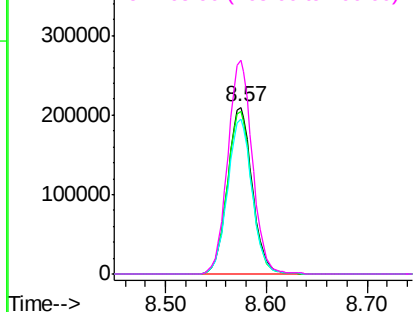


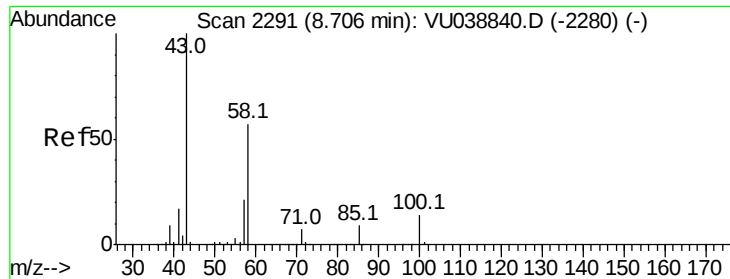
#47
 Tetrachloroethene
 Concen: 22.401 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. 0.00 min
 Lab File: VU038842.D
 Acq: 12 Jun 2020 10:42

Tgt Ion:	164	Resp:	357837
Ion	Ratio	Lower	Upper
164	100		
129	97.4	67.3	124.9
131	92.9	65.0	120.6
166	128.0	91.0	169.0



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



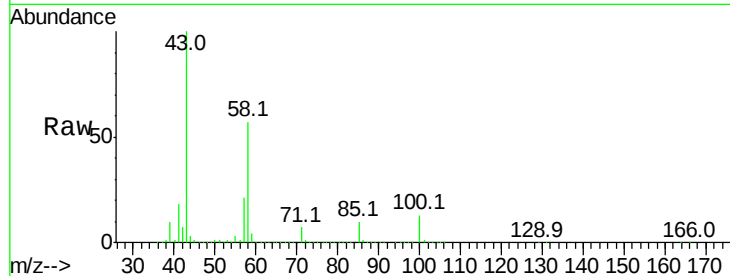


#48
2-Hexanone
Concen: 221.444 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU038842.D
Acq: 12 Jun 2020 10:42

Instrument :
MSVOA_U
ClientSampleId :
VSTD02006

Tgt Ion: 43 Resp: 2556604

Ion	Ratio	Lower	Upper
43	100		
58	57.4	44.8	67.2
57	20.6	16.2	24.2
100	13.3	10.6	16.0

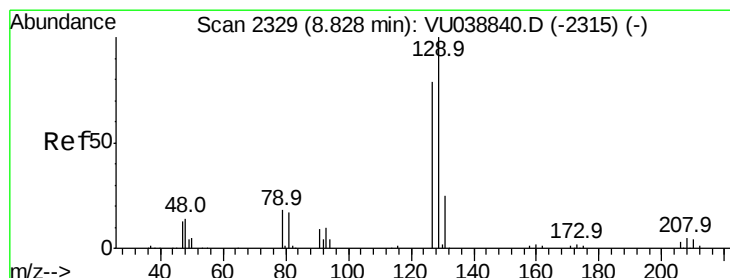
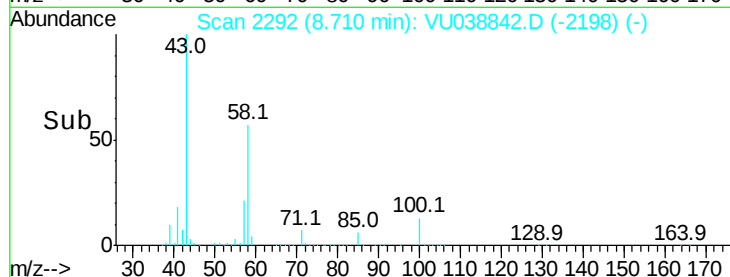
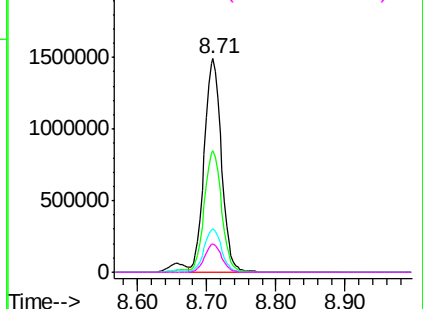


Abundance Ion 43.05 (42.75 to 43.75): VU038842.D (-2280) (-)

Ion 58.05 (57.75 to 58.75): VU038842.D (-2280) (-)

Ion 57.20 (56.90 to 57.90): VU038842.D (-2280) (-)

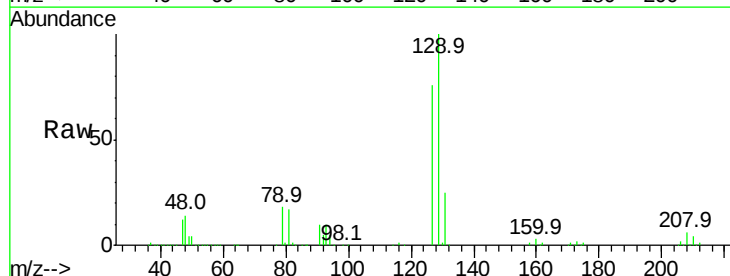
Ion 100.15 (99.85 to 100.85): VU038842.D (-2280) (-)



#49
Dibromochloromethane
Concen: 24.192 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU038842.D
Acq: 12 Jun 2020 10:42

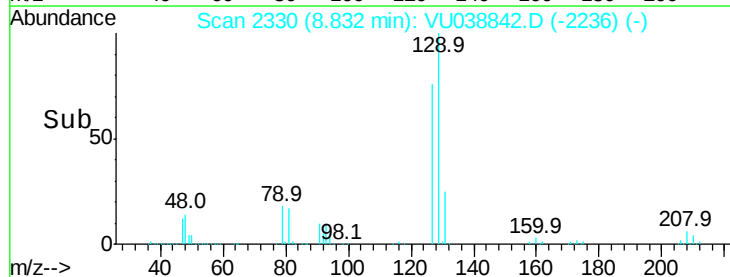
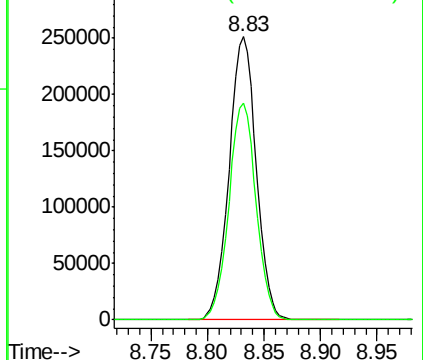
Tgt Ion: 129 Resp: 419939

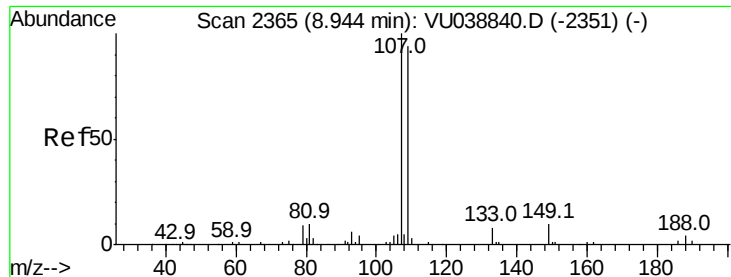
Ion	Ratio	Lower	Upper
129	100		
127	76.5	55.5	103.1



Abundance Ion 128.95 (128.65 to 129.65): VU038842.D (-2315) (-)

Ion 126.90 (126.60 to 127.60): VU038842.D (-2315) (-)

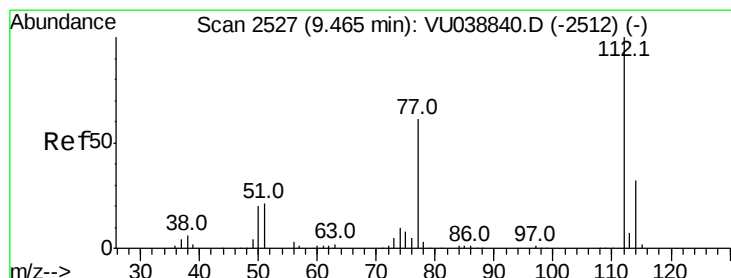
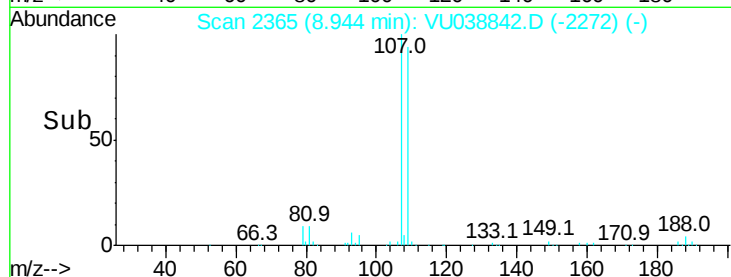
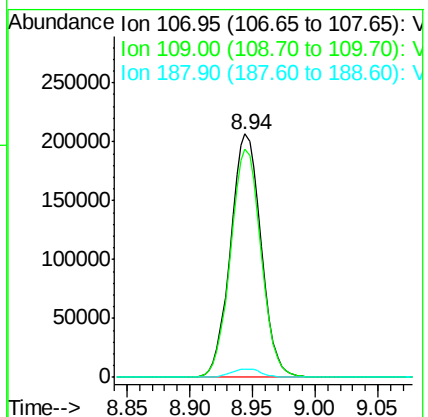
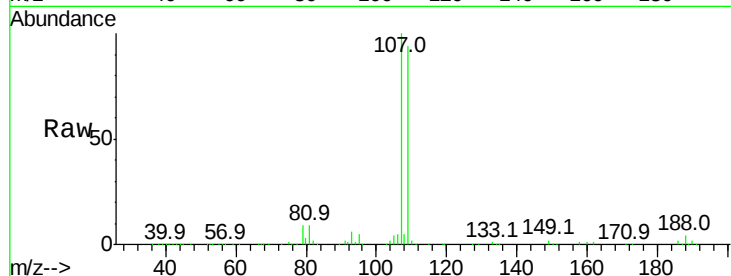




#50
1,2-Dibromoethane
Concen: 22.664 ug/L
RT: 8.94 min Scan# 2365
Delta R.T. 0.00 min
Lab File: VU038842.D
Acq: 12 Jun 2020 10:42

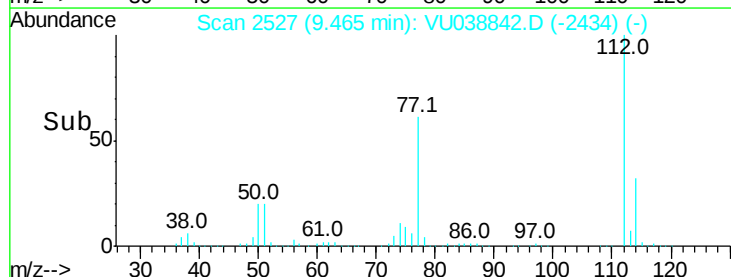
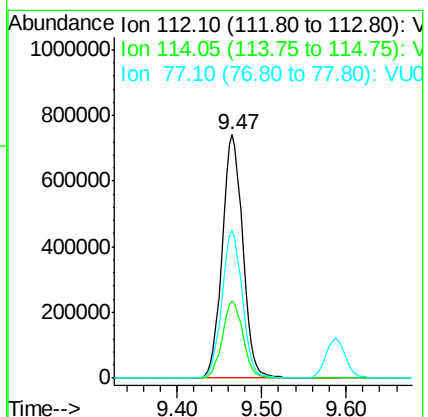
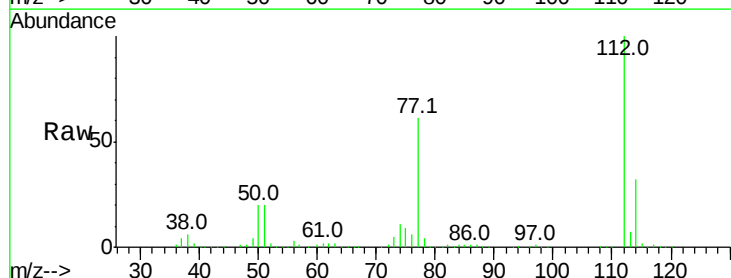
Instrument :
MSVOA_U
ClientSampleId :
VSTD02006

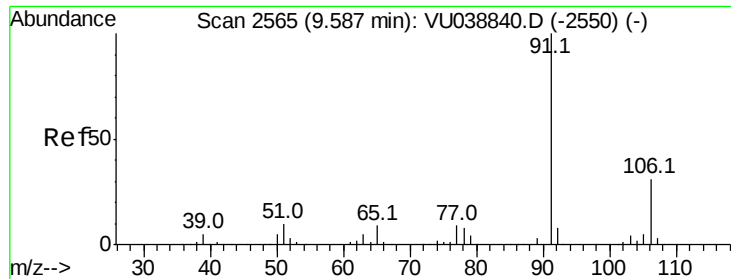
Tgt Ion:107 Resp: 349009
Ion Ratio Lower Upper
107 100
109 93.7 65.5 121.7
188 3.6 3.0 4.6



#51
Chlorobenzene
Concen: 21.844 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. 0.00 min
Lab File: VU038842.D
Acq: 12 Jun 2020 10:42

Tgt Ion:112 Resp: 1251681
Ion Ratio Lower Upper
112 100
114 31.8 22.5 41.9
77 60.5 49.3 73.9

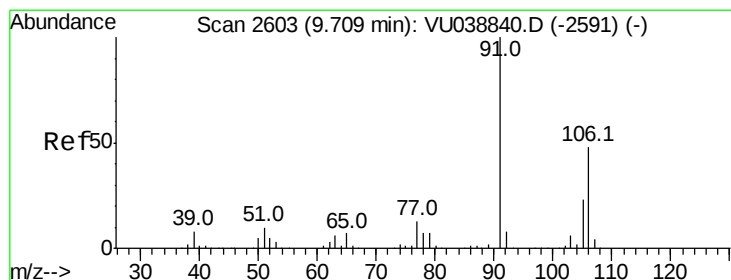
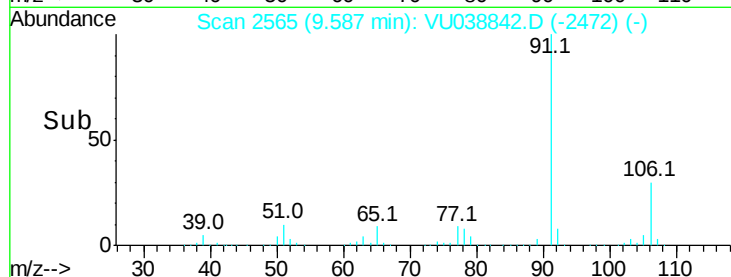
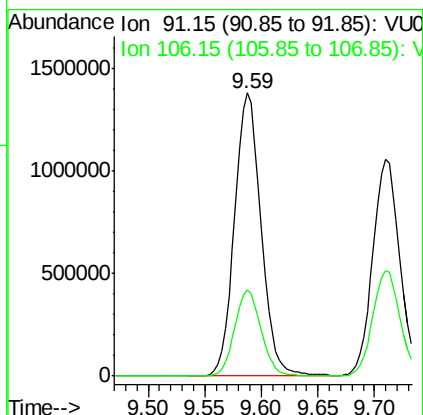
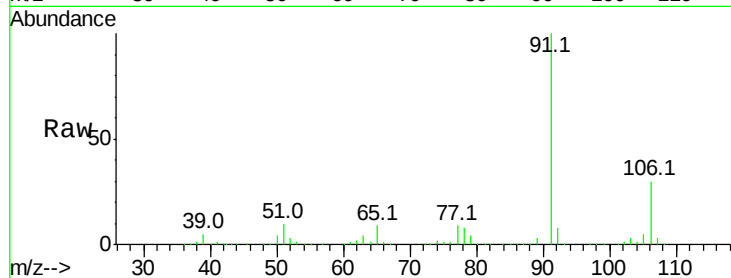




#52
Ethylbenzene
Concen: 22.898 ug/L
RT: 9.59 min Scan# 2565
Delta R.T. 0.00 min
Lab File: VU038842.D
Acq: 12 Jun 2020 10:42

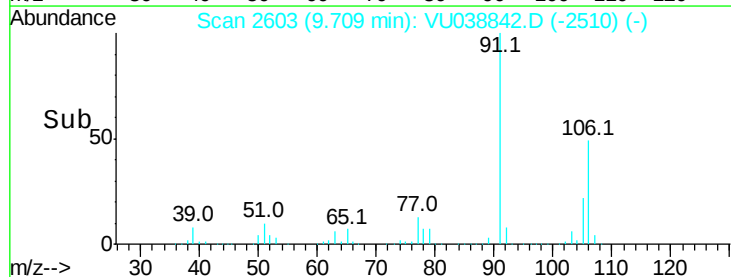
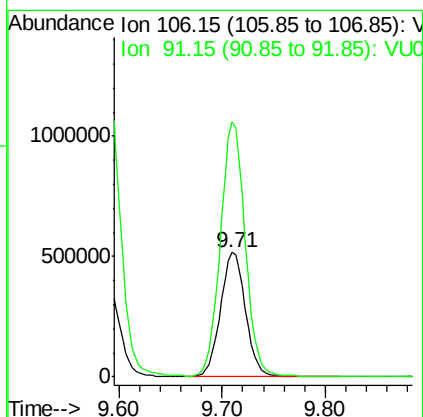
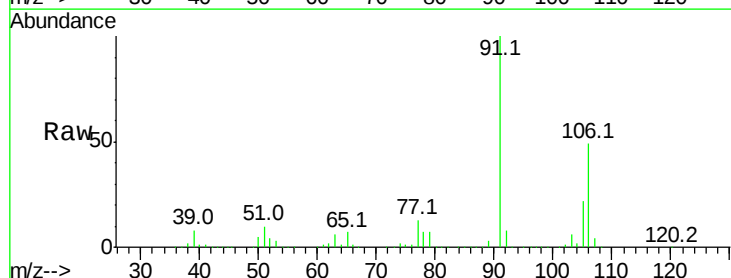
Instrument :
MSVOA_U
ClientSampleId :
VSTD02006

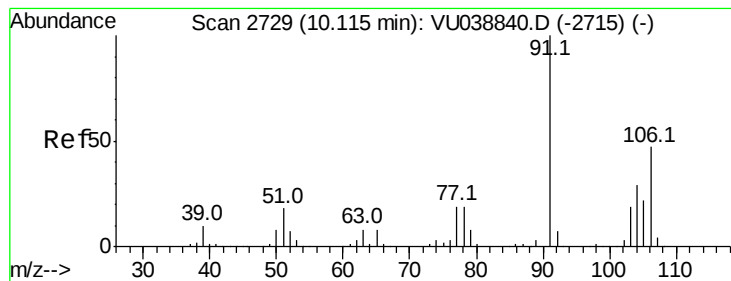
Tgt Ion: 91 Resp: 2263631
Ion Ratio Lower Upper
91 100
106 30.3 21.5 39.9



#53
m,p-Xylene
Concen: 23.013 ug/L
RT: 9.71 min Scan# 2603
Delta R.T. 0.00 min
Lab File: VU038842.D
Acq: 12 Jun 2020 10:42

Tgt Ion: 106 Resp: 874905
Ion Ratio Lower Upper
106 100
91 205.2 145.0 269.4





#54

o-Xylene

Concen: 22.922 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. 0.00 min

Lab File: VU038842.D

Acq: 12 Jun 2020 10:42

Instrument :

MSVOA_U

ClientSampleId :

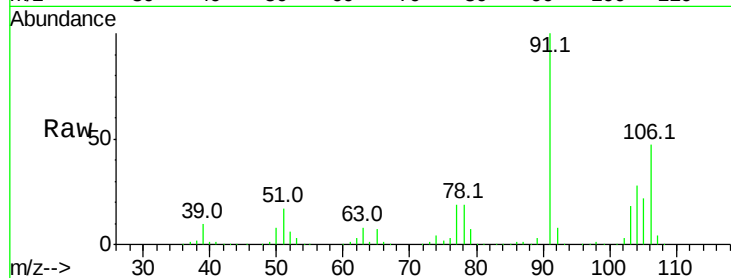
VSTD02006

Tgt Ion:106 Resp: 836556

Ion Ratio Lower Upper

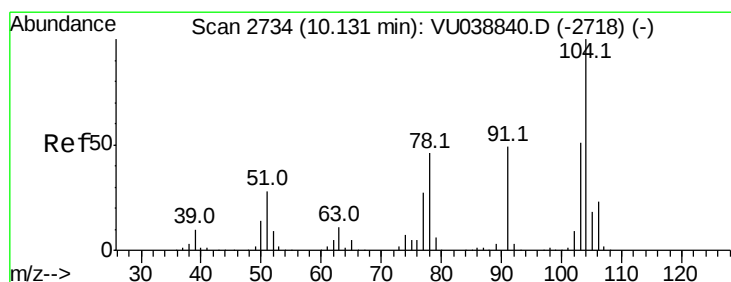
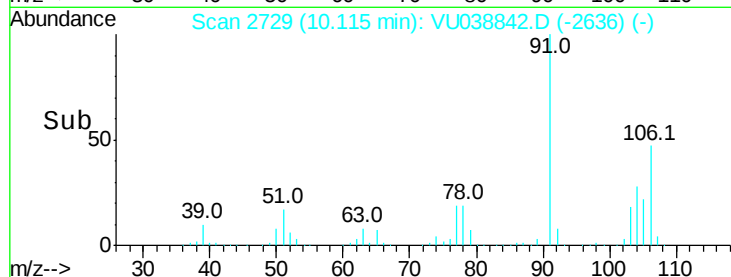
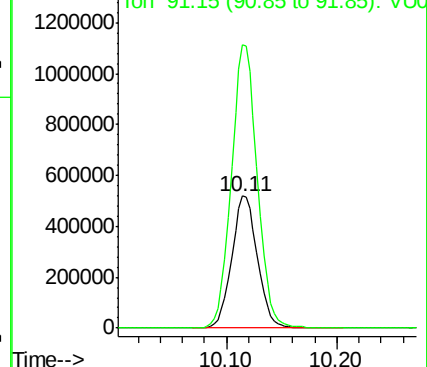
106 100

91 214.6 149.1 276.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 23.910 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VU038842.D

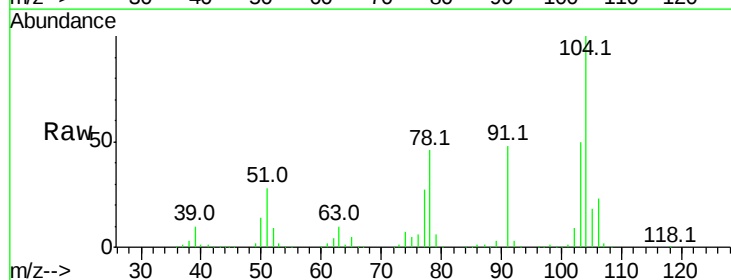
Acq: 12 Jun 2020 10:42

Tgt Ion:104 Resp: 1481255

Ion Ratio Lower Upper

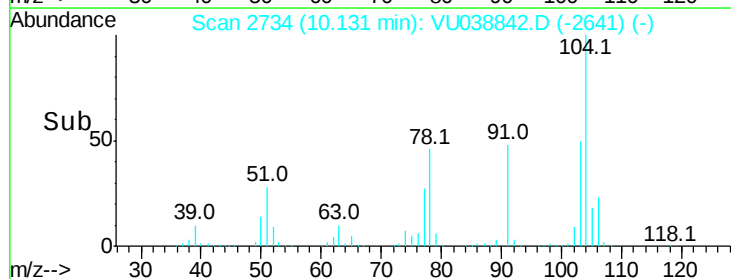
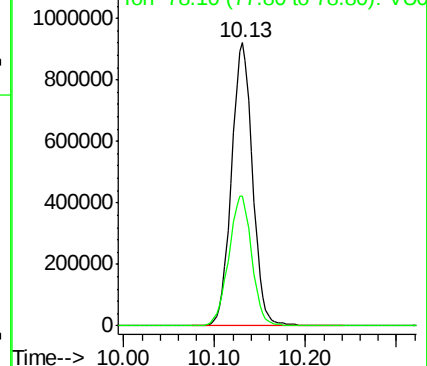
104 100

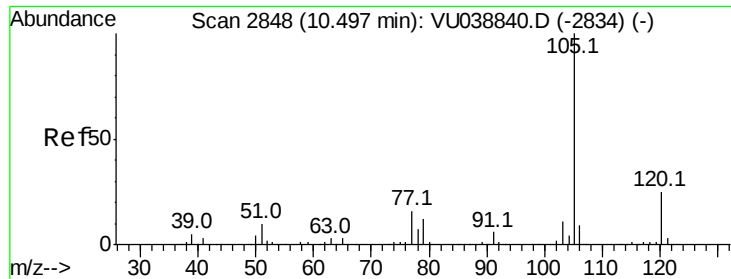
78 45.7 32.1 59.7



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 23.429 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU038842.D

Acq: 12 Jun 2020 10:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD02006

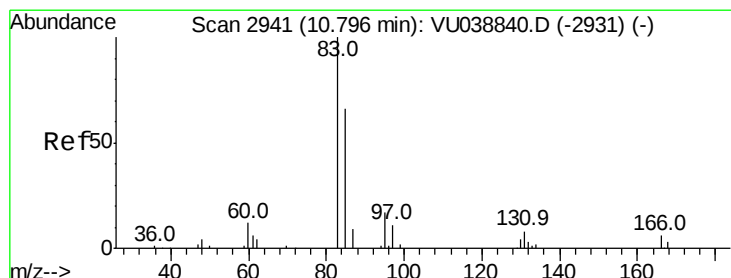
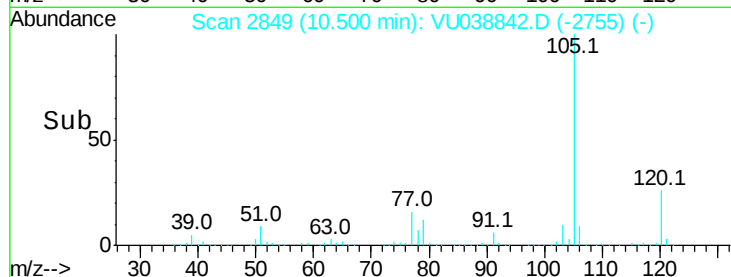
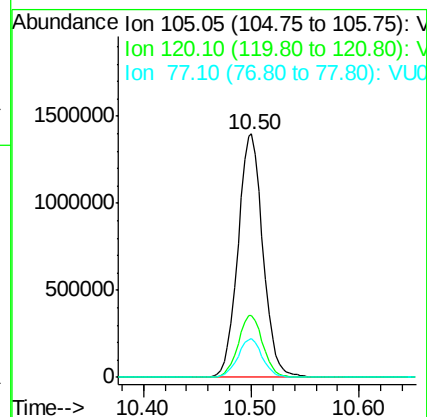
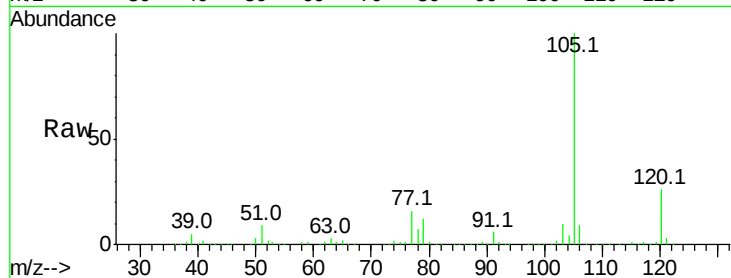
Tgt Ion:105 Resp: 2250585

Ion Ratio Lower Upper

105 100

120 25.6 20.6 30.8

77 15.7 12.8 19.2



#58

1,1,2,2-Tetrachloroethane

Concen: 22.317 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. 0.00 min

Lab File: VU038842.D

Acq: 12 Jun 2020 10:42

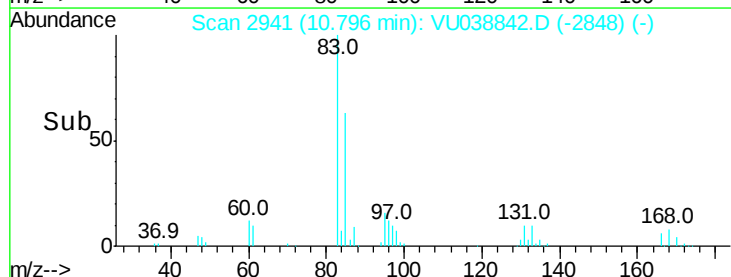
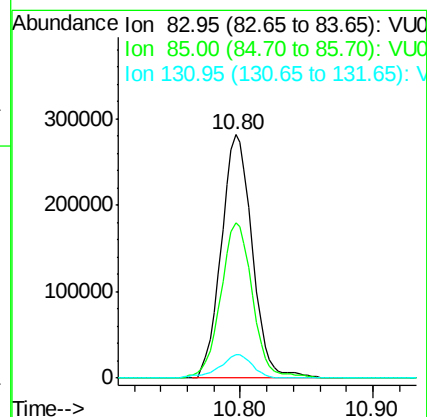
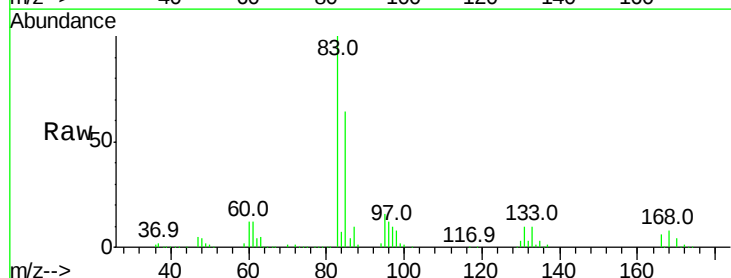
Tgt Ion: 83 Resp: 456113

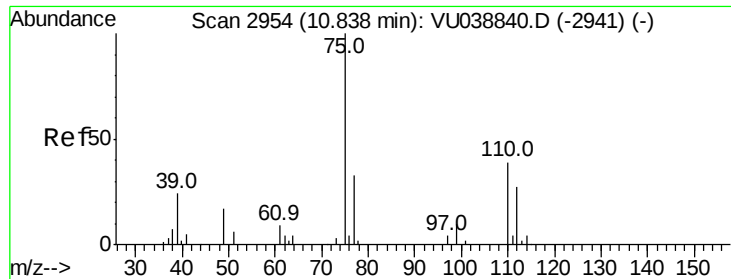
Ion Ratio Lower Upper

83 100

85 63.9 46.5 86.3

131 9.7 7.2 10.8

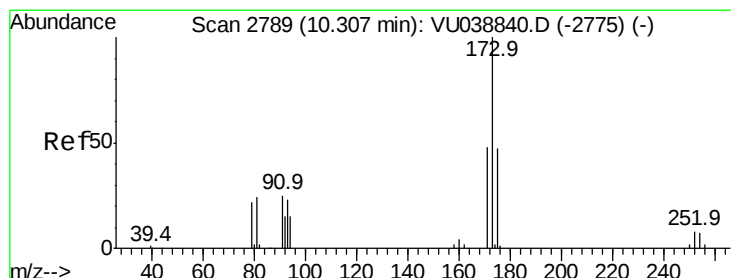
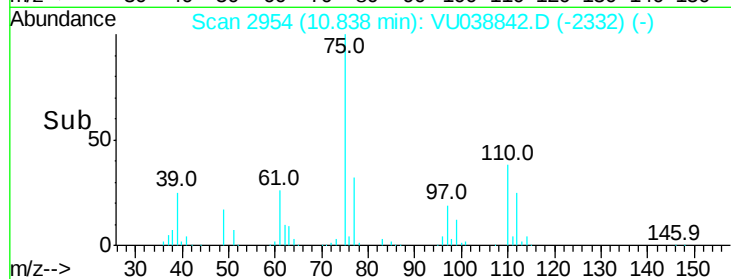
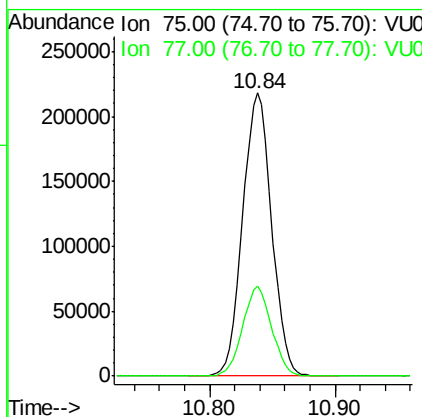
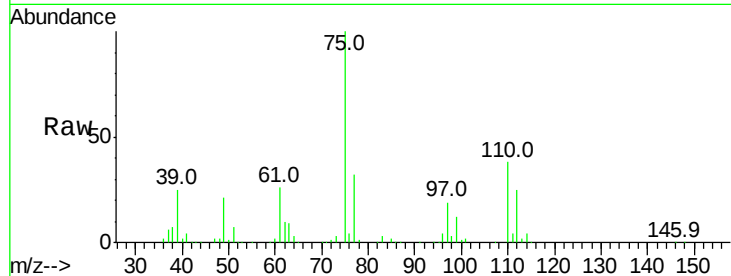




#59
 1,2,3-Trichloropropane
 Concen: 22.029 ug/L
 RT: 10.84 min Scan# 2954
 Delta R.T. 0.00 min
 Lab File: VU038842.D
 Acq: 12 Jun 2020 10:42

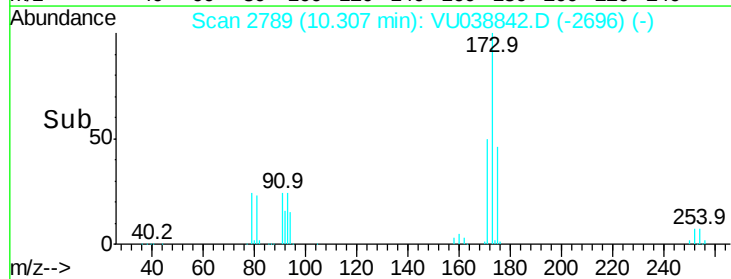
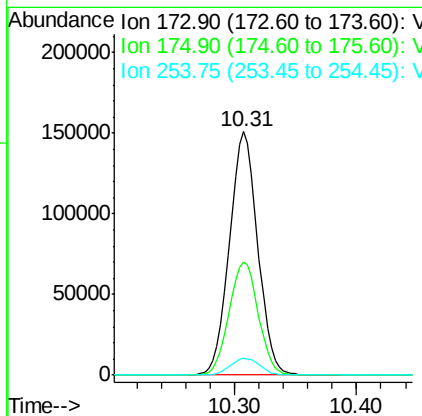
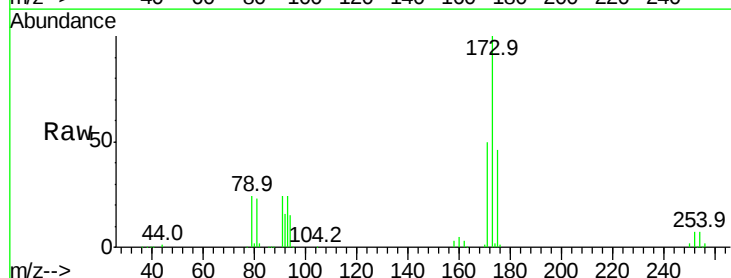
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

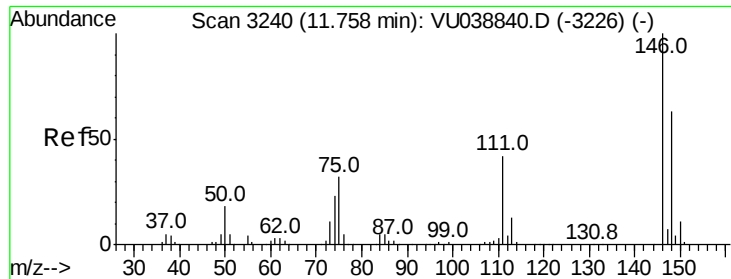
Tgt Ion: 75 Resp: 350485
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.8 38.8



#61
 Bromoform
 Concen: 24.173 ug/L
 RT: 10.31 min Scan# 2789
 Delta R.T. 0.00 min
 Lab File: VU038842.D
 Acq: 12 Jun 2020 10:42

Tgt Ion: 173 Resp: 243351
 Ion Ratio Lower Upper
 173 100
 175 48.1 38.3 57.5
 254 7.1 6.0 9.0

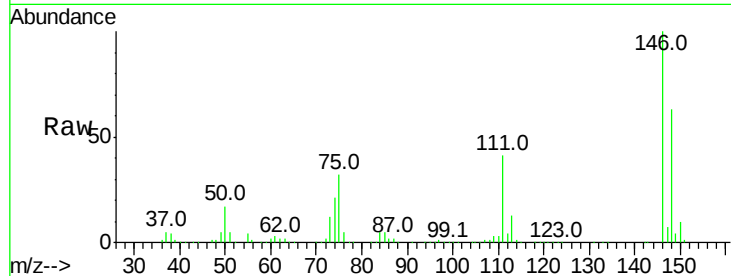




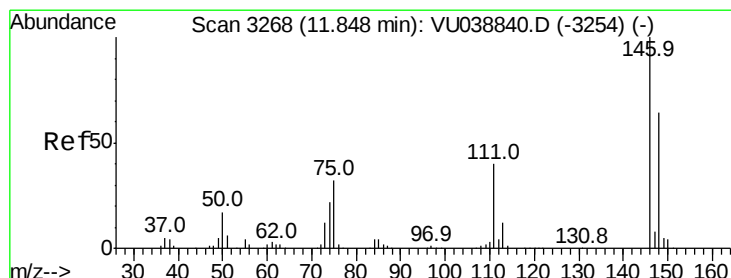
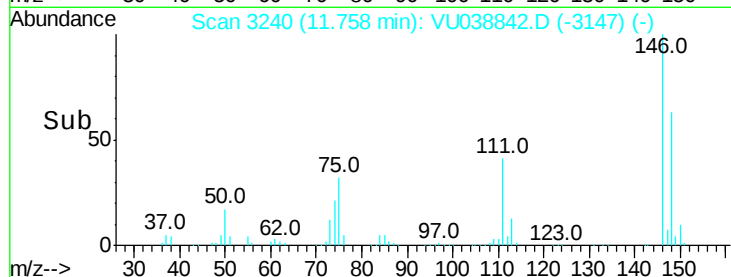
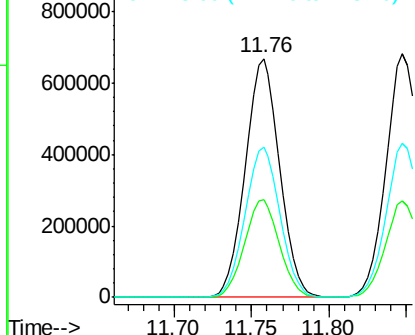
#62
 1,3-Dichlorobenzene
 Concen: 21.742 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. 0.00 min
 Lab File: VU038842.D
 Acq: 12 Jun 2020 10:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

Tgt Ion:146 Resp: 1032305
 Ion Ratio Lower Upper
 146 100
 111 40.9 29.5 54.9
 148 62.7 43.8 81.3

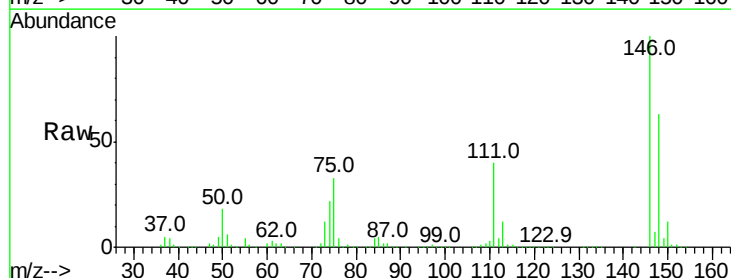


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

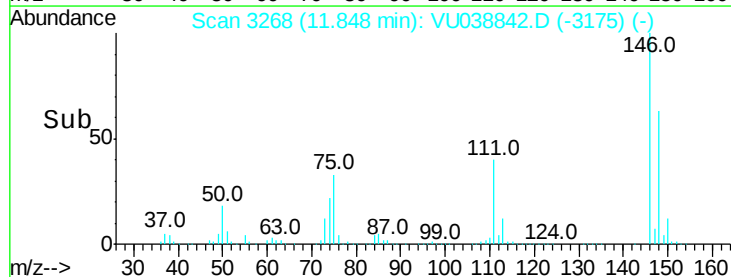
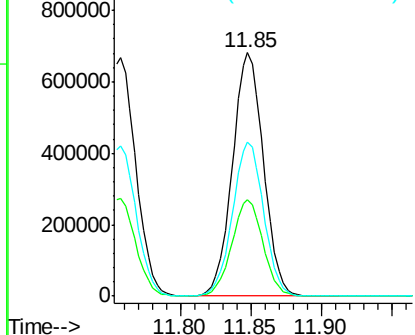


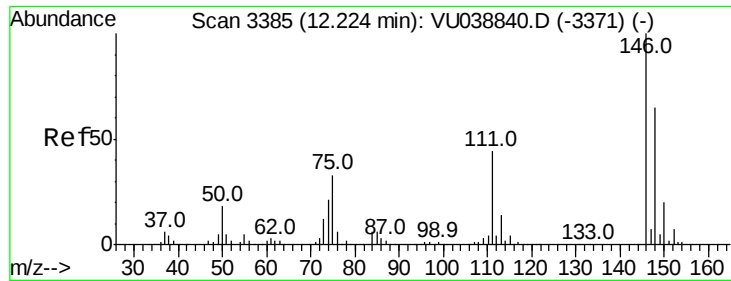
#63
 1,4-Dichlorobenzene
 Concen: 21.736 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. 0.00 min
 Lab File: VU038842.D
 Acq: 12 Jun 2020 10:42

Tgt Ion:146 Resp: 1046524
 Ion Ratio Lower Upper
 146 100
 111 39.7 27.9 51.9
 148 63.4 44.6 82.8



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





#65

1,2-Dichlorobenzene

Concen: 21.856 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. 0.00 min

Lab File: VU038842.D

Acq: 12 Jun 2020 10:42

Instrument :

MSVOA_U

ClientSampled :

VSTD02006

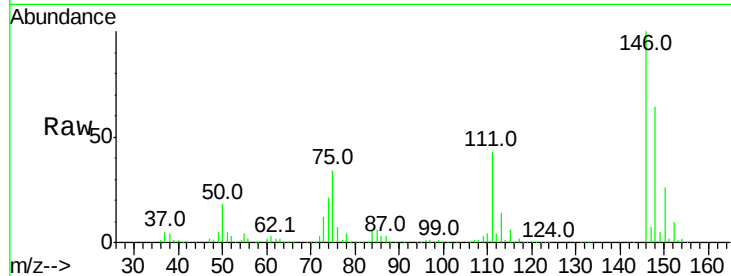
Tgt Ion:146 Resp: 985381

Ion Ratio Lower Upper

146 100

111 43.3 35.6 53.4

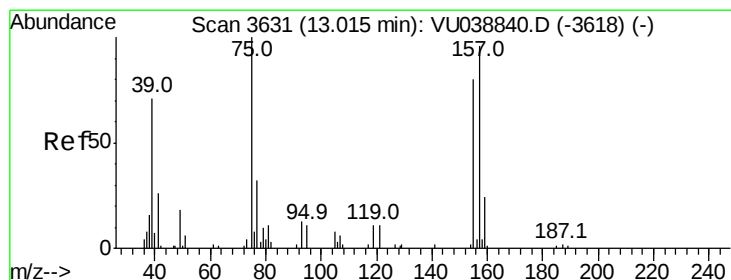
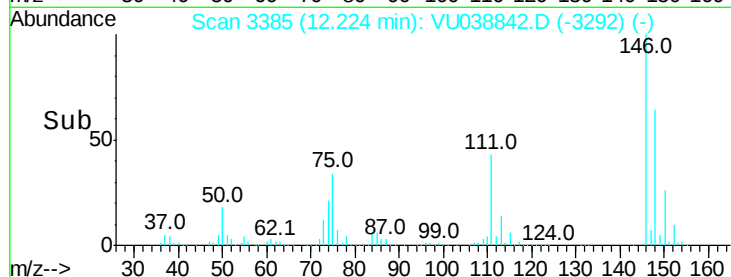
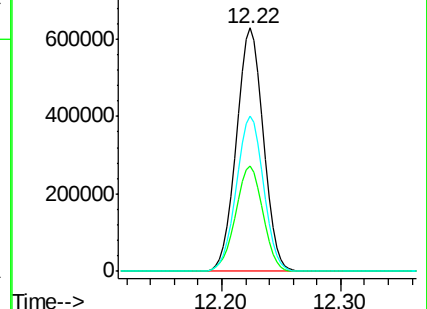
148 63.9 51.8 77.8



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: 23.038 ug/L

RT: 13.01 min Scan# 3631

Delta R.T. 0.00 min

Lab File: VU038842.D

Acq: 12 Jun 2020 10:42

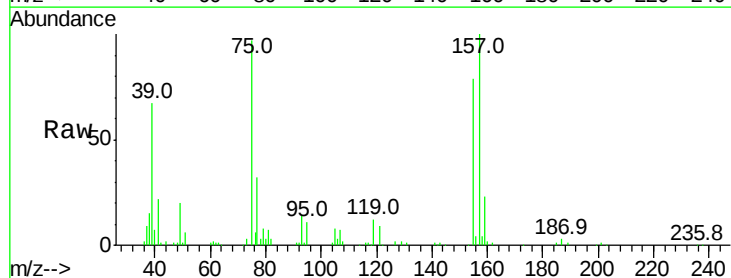
Tgt Ion: 75 Resp: 84096

Ion Ratio Lower Upper

75 100

155 81.5 63.7 95.5

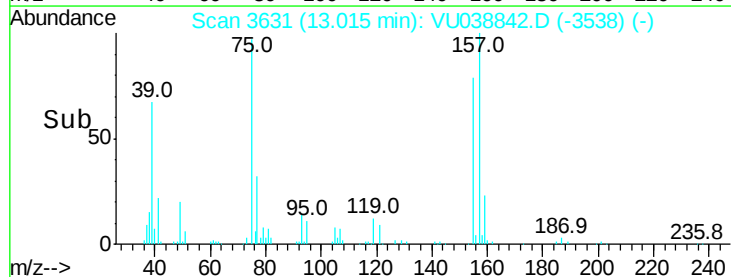
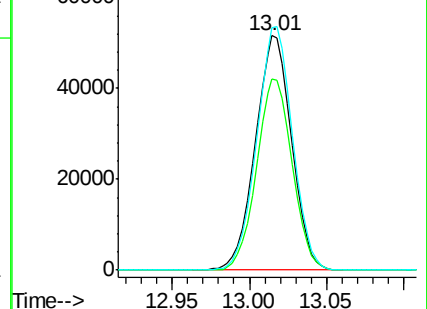
157 103.1 77.1 115.7

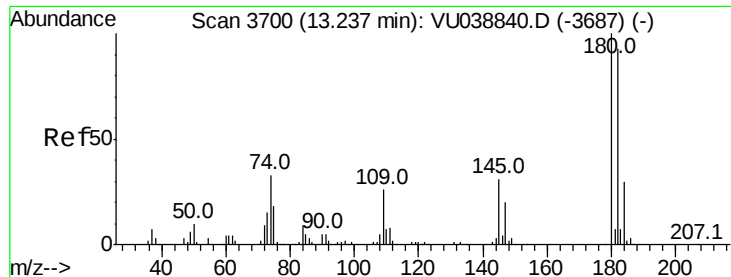


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

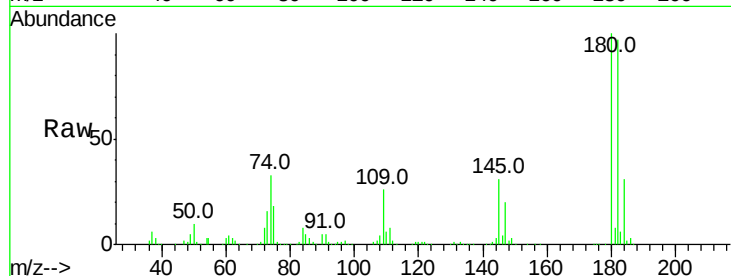




#67
 1,3,5-Trichlorobenzene
 Concen: 22.054 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU038842.D
 Acq: 12 Jun 2020 10:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.1	75.0	112.4
184	30.6	23.7	35.5
145	30.9	24.6	36.8

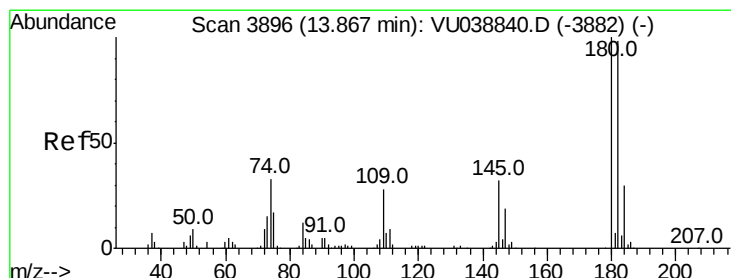
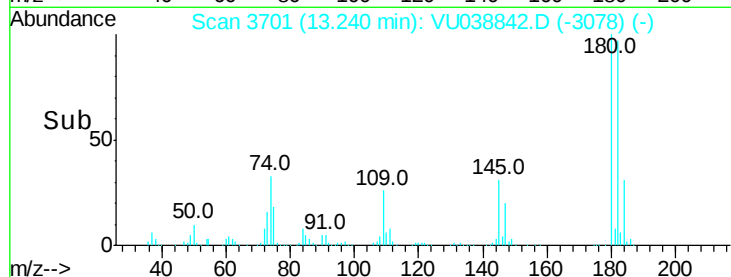
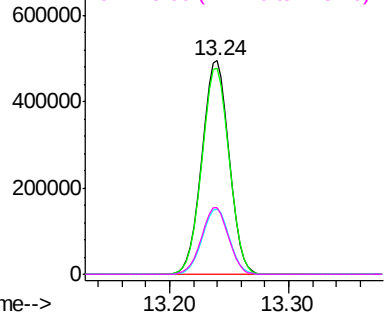


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

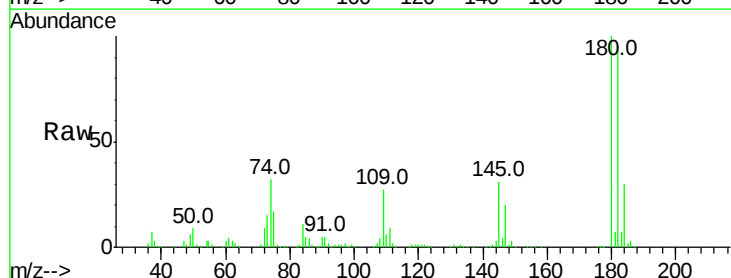
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 22.523 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. 0.00 min
 Lab File: VU038842.D
 Acq: 12 Jun 2020 10:42

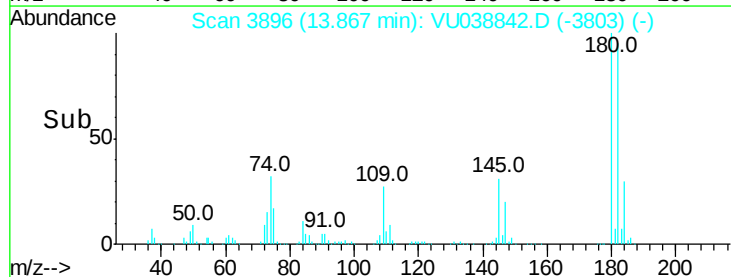
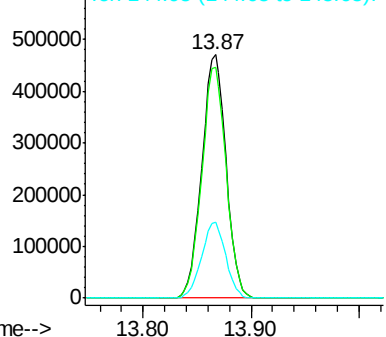
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	78.5	117.7
145	31.0	25.0	37.4

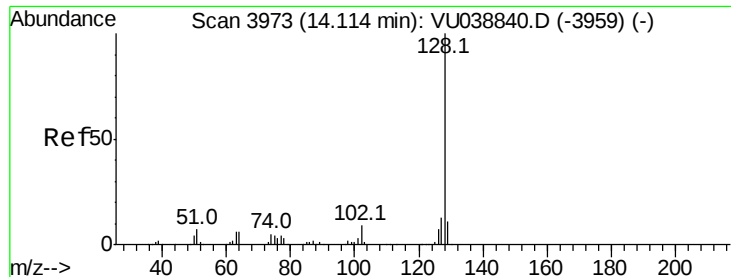


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 23.225 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. 0.00 min

Lab File: VU038842.D

Acq: 12 Jun 2020 10:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD02006

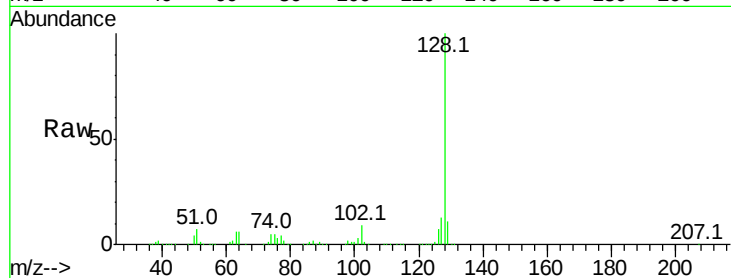
Tgt Ion:128 Resp: 1515460

Ion Ratio Lower Upper

128 100

129 10.8 8.9 13.3

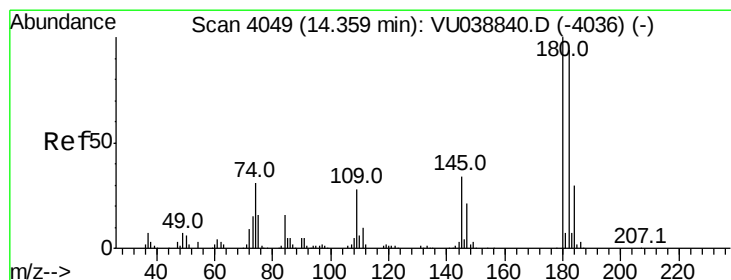
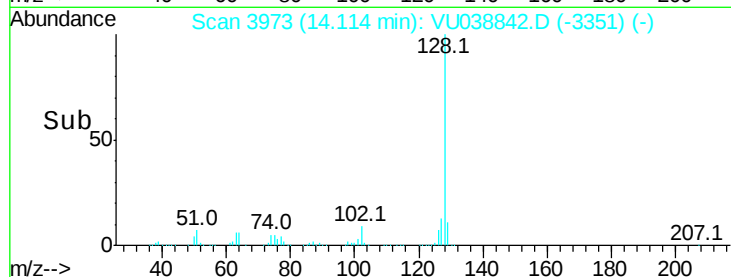
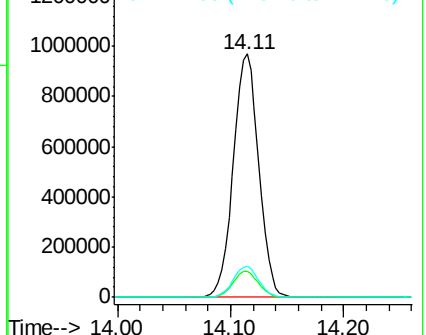
127 13.0 10.5 15.7



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: 22.443 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. 0.00 min

Lab File: VU038842.D

Acq: 12 Jun 2020 10:42

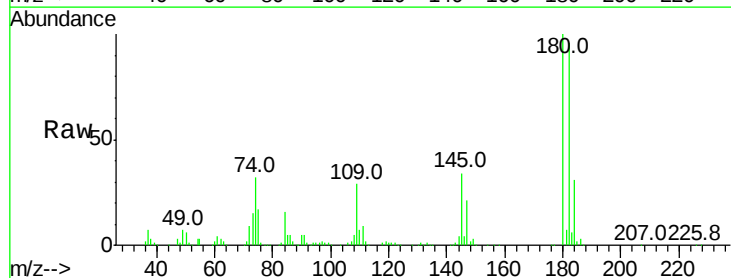
Tgt Ion:180 Resp: 669550

Ion Ratio Lower Upper

180 100

182 95.6 76.1 114.1

145 33.7 27.8 41.6



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

