

Data File : VU036878.D
Acq On : 24 Feb 2020 12:30
Operator : JC/MD
Sample : VSTD00532
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00532

Quant Time: Feb 25 00:31:51 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Feb 25 00:29:55 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	295124	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	278902	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	109127	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	11433	5.58	ug/L	0.00
7) Chloroethane-d5	1.93	69	9696	5.52	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	19882	5.24	ug/L	0.00
21) 2-Butanone-d5	4.67	46	14048	8.39	ug/L	0.00
24) Chloroform-d	5.11	84	16940	4.43	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	12065	4.74	ug/L	0.00
32) Benzene-d6	5.76	84	37391	4.98	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.73	67	12006	4.91	ug/L	0.00
41) Toluene-d8	7.93	98	35236	4.98	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.21	79	5340	4.18	ug/L	0.00
47) 2-Hexanone-d5	8.67	63	9831	7.97	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.78	84	16091	4.46	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	10204	4.75	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	12799	4.771 ug/L	97
3) Chloromethane	1.54	50	14883	5.909 ug/L	100
5) Vinyl chloride	1.62	62	14774	5.813 ug/L	91
6) Bromomethane	1.88	94	7678	5.187 ug/L	92
8) Chloroethane	1.95	64	8996	5.942 ug/L	99
9) Trichlorofluoromethane	2.16	101	16403	4.995 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	9527	5.373 ug/L	96
12) 1,1-Dichloroethene	2.61	96	9599	5.432 ug/L	90
13) Acetone	2.66	43	19360	10.842 ug/L	99
14) Carbon disulfide	2.82	76	30344	5.314 ug/L	99
15) Methyl Acetate	2.98	43	13069	5.408 ug/L	100
16) Methylene chloride	3.08	84	12242	5.636 ug/L	96
17) trans-1,2-Dichloroethene	3.39	96	10337	5.333 ug/L	94
18) Methyl tert-butyl Ether	3.40	73	32955	5.052 ug/L	98
19) 1,1-Dichloroethane	3.92	63	20221	5.511 ug/L	96
20) cis-1,2-Dichloroethene	4.71	96	11260	5.126 ug/L	99
22) 2-Butanone	4.75	43	20203	9.900 ug/L	99
23) Bromochloromethane	5.02	128	5123	4.862 ug/L	98
25) Chloroform	5.13	83	19947	5.191 ug/L	98
27) 1,2-Dichloroethane	5.84	62	15541	5.074 ug/L	96
29) Cyclohexane	5.43	56	18466	5.393 ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	14957	4.616 ug/L	97
31) Carbon tetrachloride	5.56	117	11709	4.316 ug/L	100
33) Benzene	5.81	78	44805	5.491 ug/L	100
34) Trichloroethene	6.57	95	10956	5.078 ug/L	97
35) Methylcyclohexane	6.79	83	18557	5.432 ug/L	99
37) 1,2-Dichloropropane	6.83	63	12052	5.568 ug/L	# 96
38) Bromodichloromethane	7.14	83	13654	4.728 ug/L	98
39) cis-1,3-Dichloropropene	7.64	75	17036	4.907 ug/L	99
40) 4-Methyl-2-pentanone	7.83	43	31681	9.180 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	45343	5.135	ug/L	96
44) trans-1,3-Dichloropropene	8.24	75	14305	4.519	ug/L	96
45) 1,1,2-Trichloroethane	8.43	97	10575	5.171	ug/L	96
46) Tetrachloroethene	8.58	164	7119	4.939	ug/L	99
48) 2-Hexanone	8.72	43	24946	9.073	ug/L	96
49) Dibromochloromethane	8.84	129	9564	4.358	ug/L	97
50) 1,2-Dibromoethane	8.95	107	11019	4.855	ug/L #	100
51) Chlorobenzene	9.47	112	27921	5.100	ug/L	99
52) Ethylbenzene	9.59	91	49603	5.071	ug/L	99
53) m,p-Xylene	9.72	106	18269	5.003	ug/L	98
54) o-xylene	10.12	106	18172	4.986	ug/L	97
55) Styrene	10.14	104	27086	4.595	ug/L	98
56) Isopropylbenzene	10.51	105	45226	4.850	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.81	83	18290	5.154	ug/L	99
59) 1,2,3-Trichloropropane	10.85	75	15043	5.113	ug/L	99
61) Bromoform	10.32	173	6013	4.176	ug/L #	99
62) 1,3-Dichlorobenzene	11.77	146	18335	5.310	ug/L	98
63) 1,4-Dichlorobenzene	11.86	146	18086	5.250	ug/L	97
65) 1,2-Dichlorobenzene	12.23	146	17914	5.251	ug/L	97
66) 1,2-Dibromo-3-chloropropan	13.03	75	3114	4.185	ug/L	86
67) 1,3,5-Trichlorobenzene	13.25	180	10103	4.774	ug/L	99
68) 1,2,4-trichlorobenzene	13.88	180	5561	3.531	ug/L	99
69) Naphthalene	14.13	128	9840	2.060	ug/L	98
70) 1,2,3-Trichlorobenzene	14.37	180	5596	3.428	ug/L	96

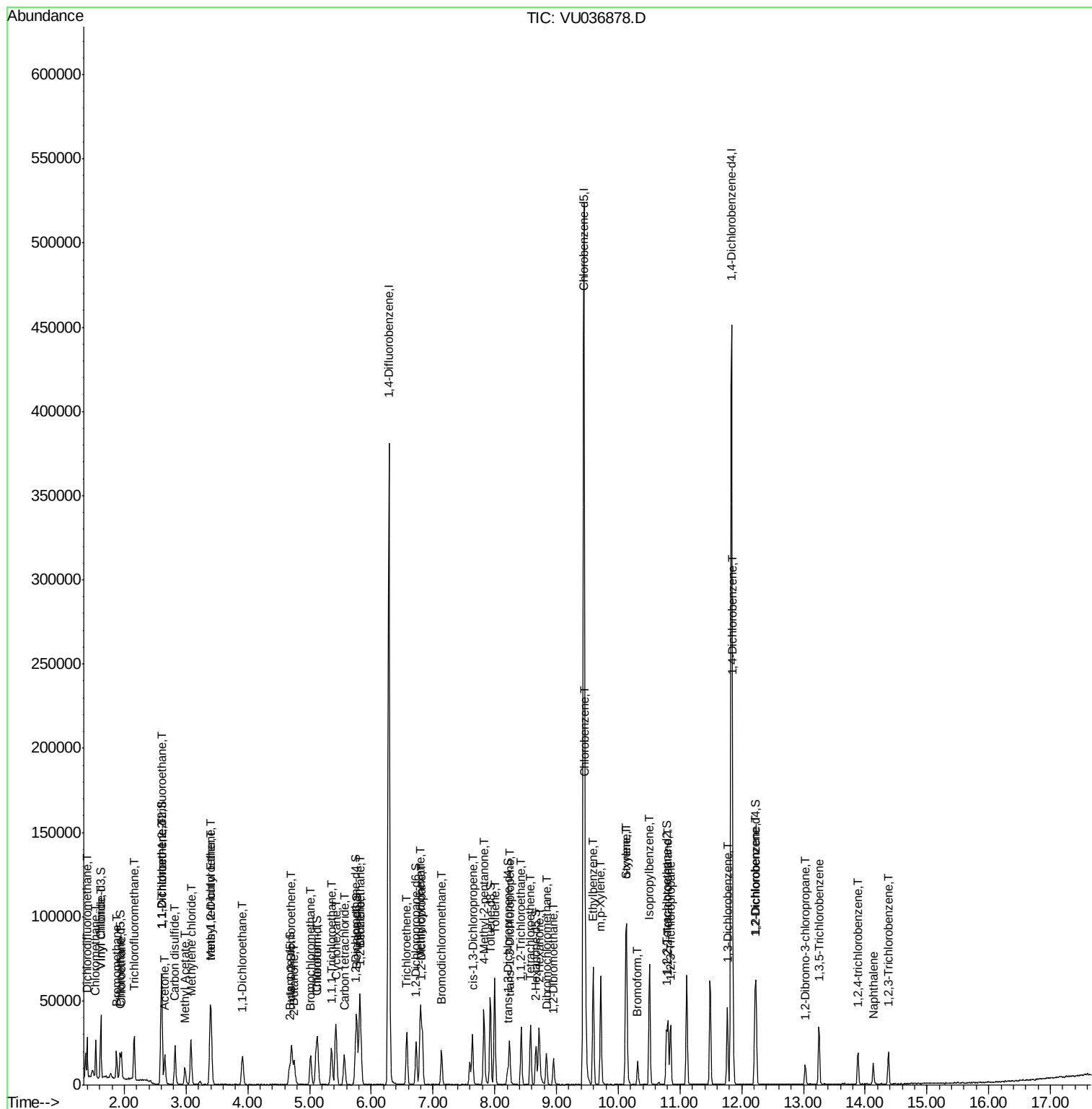
(#) = qualifier out of range (m) = manual integration (+) = signals summed

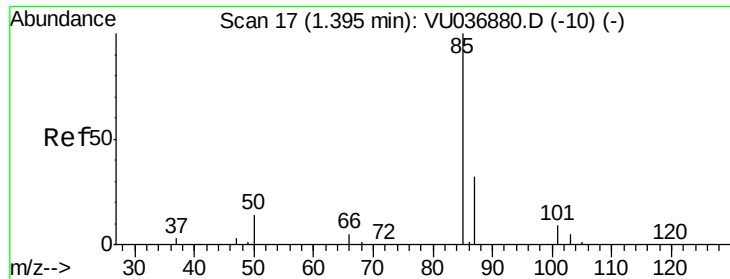
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#2

Dichlorodifluoromethane

Concen: 4.771 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU036878.D

Acq: 24 Feb 2020 12:30

Instrument :

MSVOA_U

ClientSampleId :

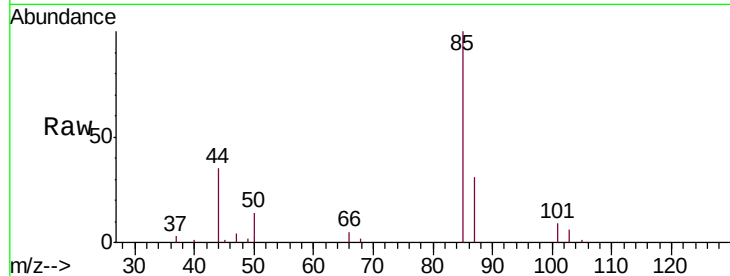
VSTD00532

Tgt Ion: 85 Resp: 12799

Ion Ratio Lower Upper

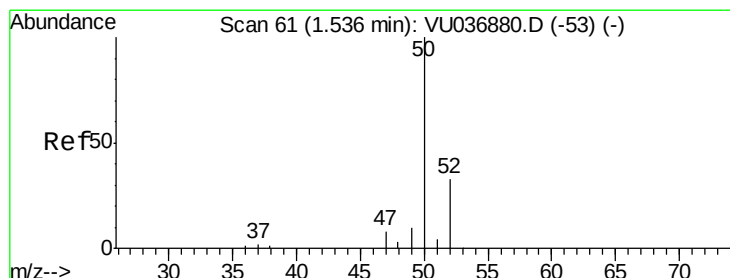
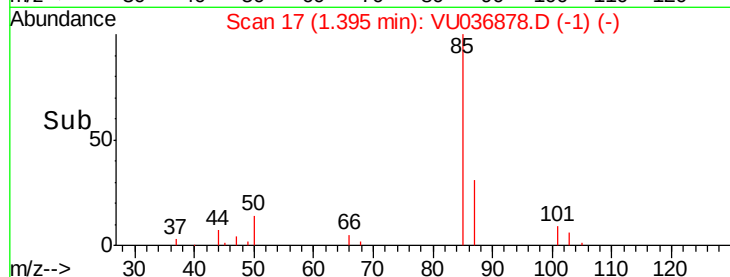
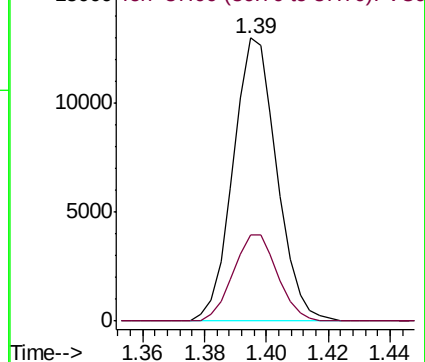
85 100

87 30.9 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU036878.D (-10) (-)

Ion 87.00 (86.70 to 87.70): VU036878.D (-10) (-)



#3

Chloromethane

Concen: 5.909 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU036878.D

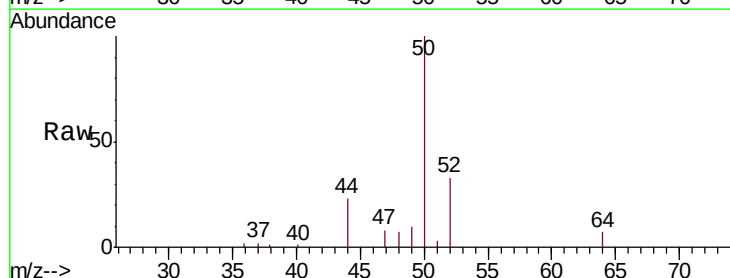
Acq: 24 Feb 2020 12:30

Tgt Ion: 50 Resp: 14883

Ion Ratio Lower Upper

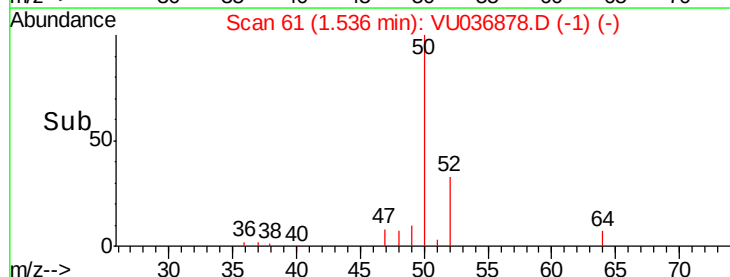
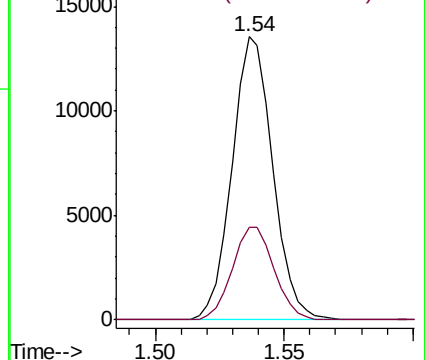
50 100

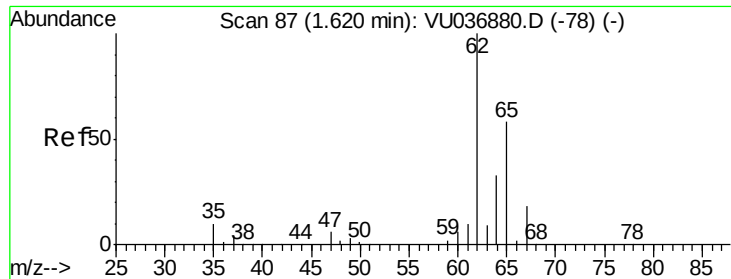
52 32.9 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU036878.D (-53) (-)

Ion 52.00 (51.70 to 52.70): VU036878.D (-53) (-)





#5

Vinyl chloride

Concen: 5.813 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU036878.D

Acq: 24 Feb 2020 12:30

Instrument :

MSVOA_U

ClientSampleId :

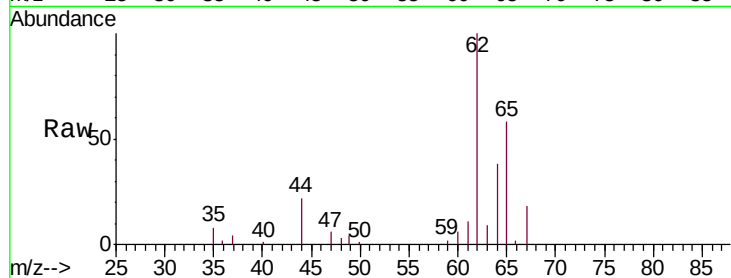
VSTD00532

Tgt Ion: 62 Resp: 14774

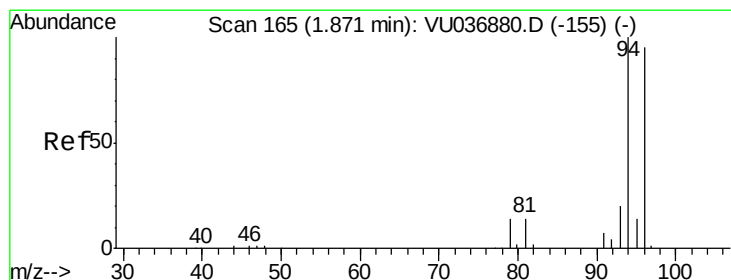
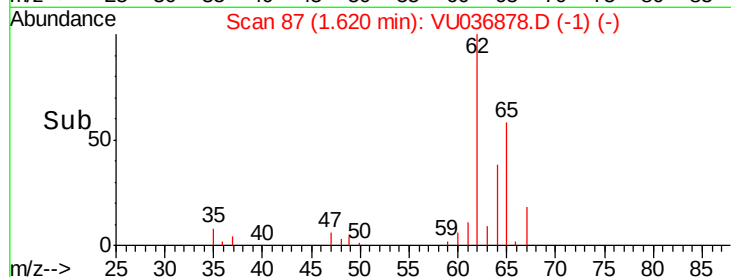
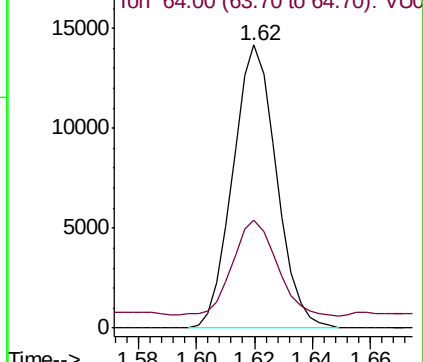
Ion Ratio Lower Upper

62 100

64 38.2 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VU036878.D (-78) (-)



#6

Bromomethane

Concen: 5.187 ug/L

RT: 1.88 min Scan# 167

Delta R.T. 0.01 min

Lab File: VU036878.D

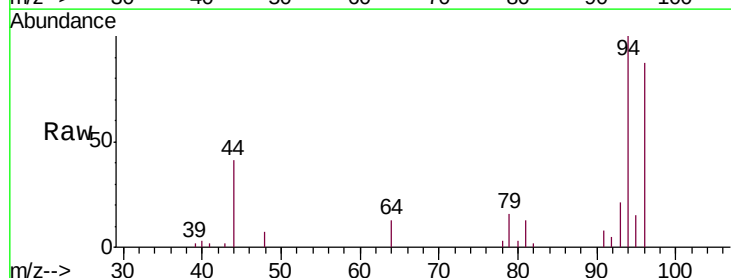
Acq: 24 Feb 2020 12:30

Tgt Ion: 94 Resp: 7678

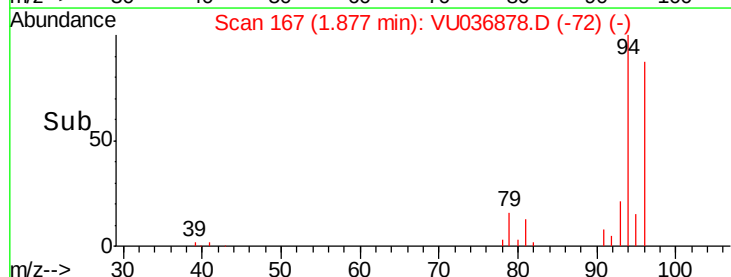
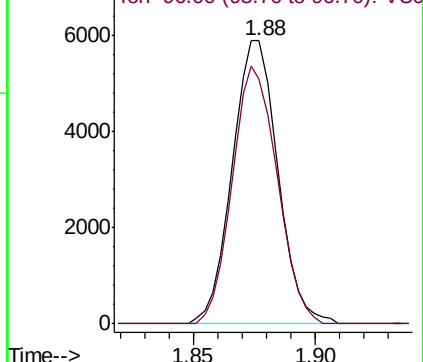
Ion Ratio Lower Upper

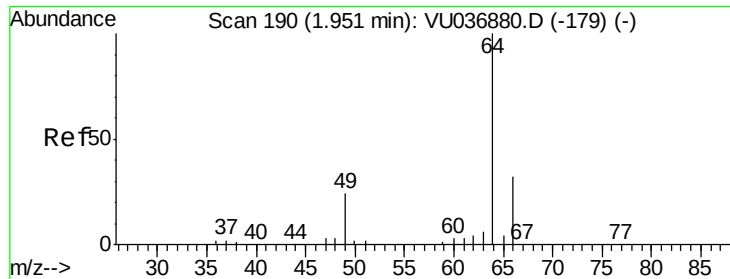
94 100

96 86.7 66.1 122.8



Abundance Ion 94.00 (93.70 to 94.70): VU036878.D (-155) (-)





#8

Chloroethane

Concen: 5.942 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU036878.D

Acq: 24 Feb 2020 12:30

Instrument :

MSVOA_U

ClientSampleId :

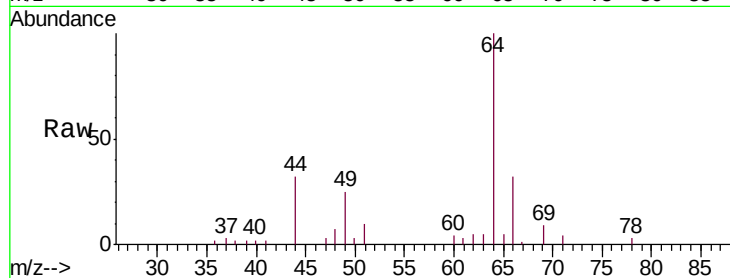
VSTD00532

Tgt Ion: 64 Resp: 8996

Ion Ratio Lower Upper

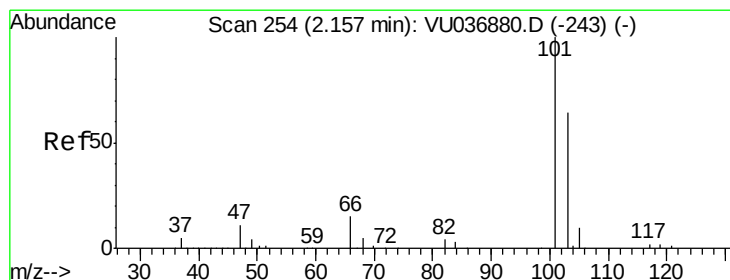
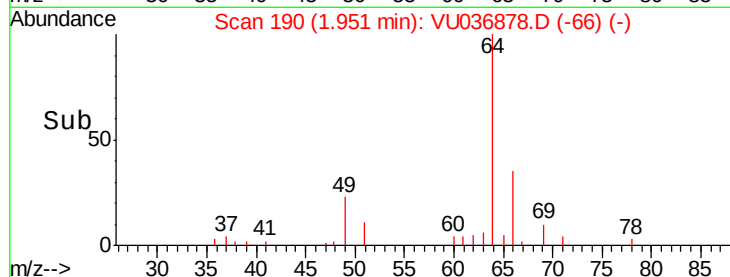
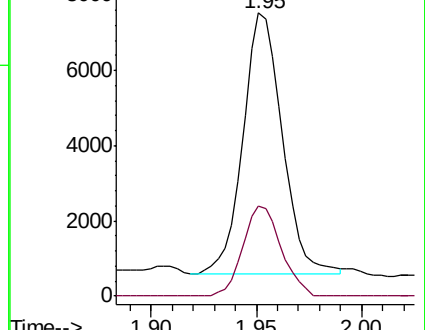
64 100

66 31.9 22.5 41.9



Abundance Ion 64.00 (63.70 to 64.70): VU036878.D (-179) (-)

Ion 66.00 (65.70 to 66.70): VU036878.D (-179) (-)



#9

Trichlorofluoromethane

Concen: 4.995 ug/L

RT: 2.16 min Scan# 255

Delta R.T. 0.00 min

Lab File: VU036878.D

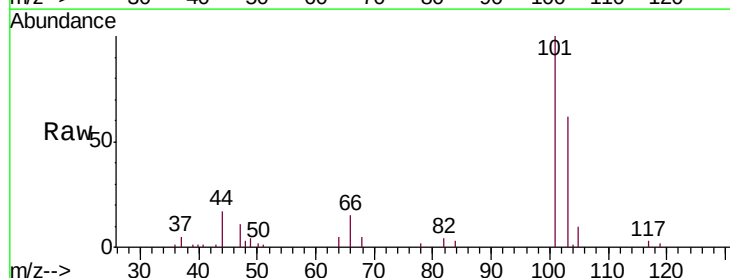
Acq: 24 Feb 2020 12:30

Tgt Ion: 101 Resp: 16403

Ion Ratio Lower Upper

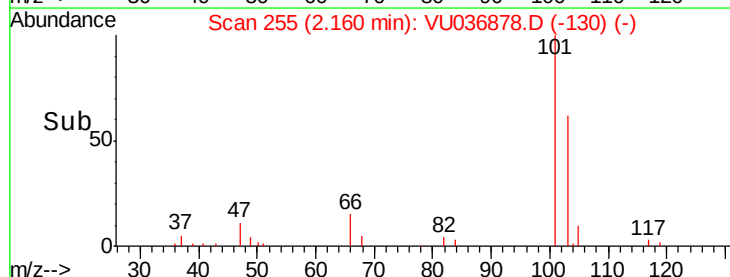
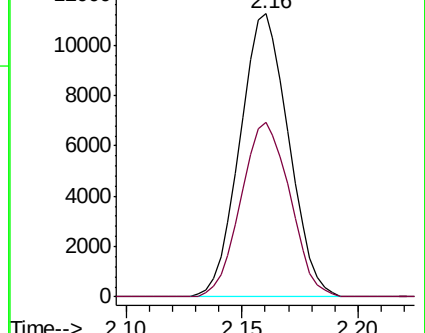
101 100

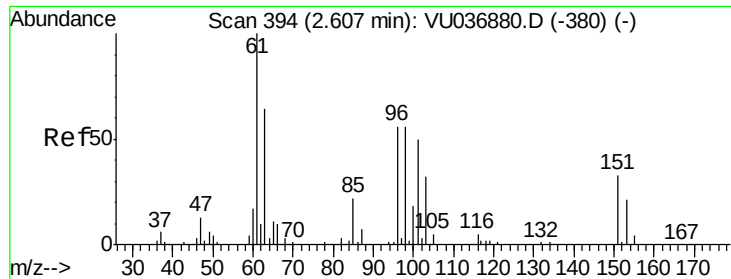
103 62.2 50.9 76.3



Abundance Ion 101.00 (100.70 to 101.70): VU036878.D (-243) (-)

Ion 103.00 (102.70 to 103.70): VU036878.D (-243) (-)





#10

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

Concen: 5.373 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU036878.D

Acq: 24 Feb 2020 12:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD00532

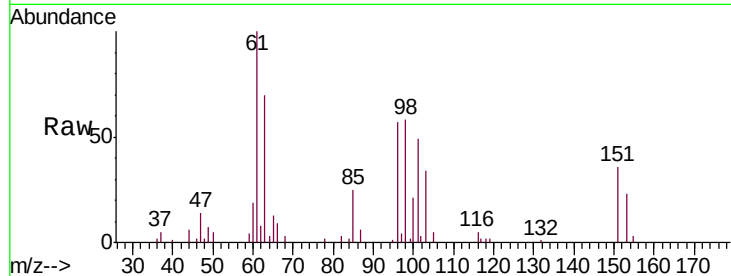
Tgt Ion: 101 Resp: 9527

Ion Ratio Lower Upper

101 100

85 47.6 36.4 54.6

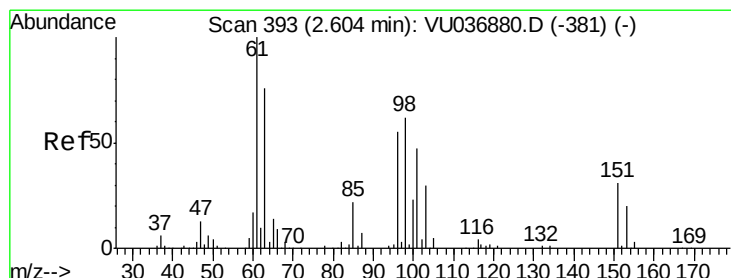
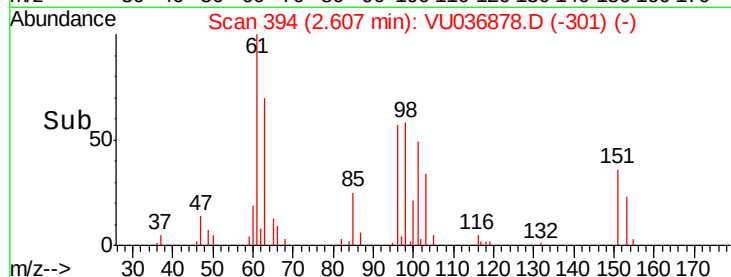
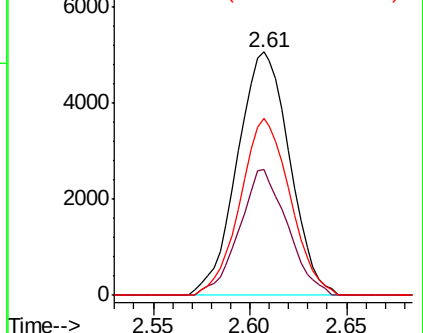
151 69.5 52.4 78.6



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: 5.432 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036878.D

Acq: 24 Feb 2020 12:30

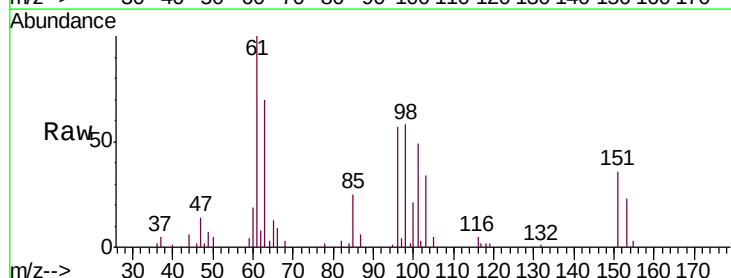
Tgt Ion: 96 Resp: 9599

Ion Ratio Lower Upper

96 100

61 175.1 127.5 236.7

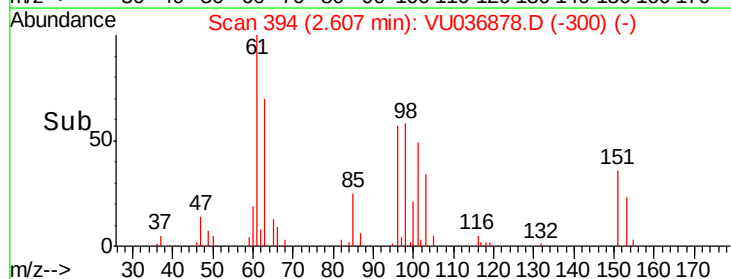
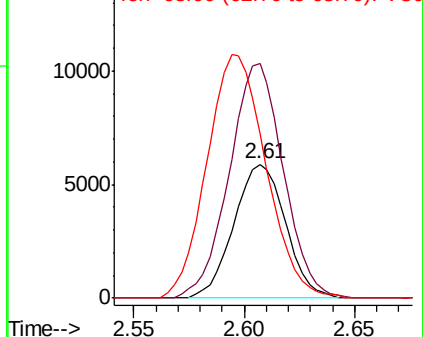
63 123.3 101.4 188.2

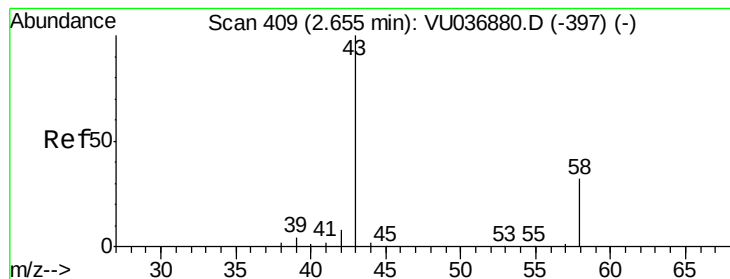


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 10.842 ug/L

RT: 2.66 min Scan# 409

Delta R.T. -0.00 min

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ClientSampleId :

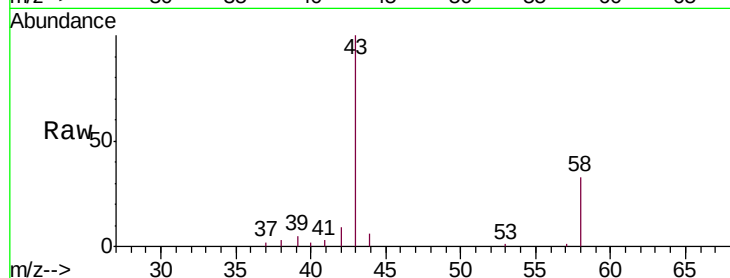
VSTD00532

Tgt Ion: 43 Resp: 19360

Ion Ratio Lower Upper

43 100

58 32.7 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VU036878.D (-397) (-)

Ion 58.00 (57.70 to 58.70): VU036878.D (-397) (-)

2.66

12000

10000

8000

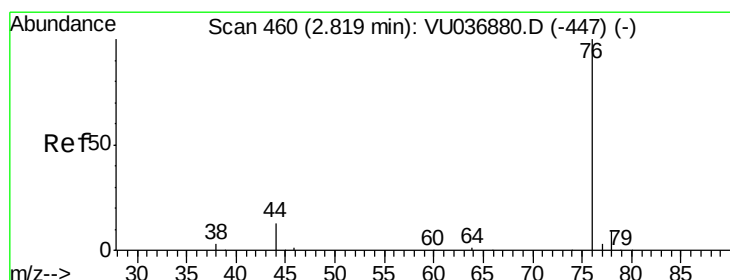
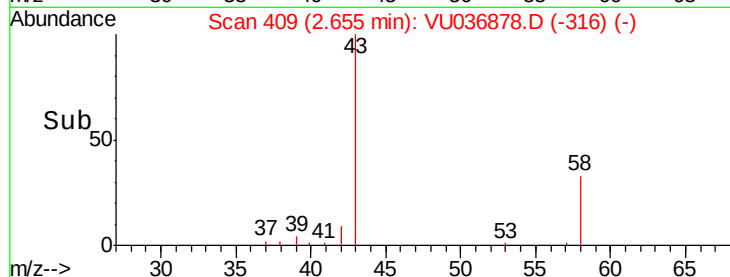
6000

4000

2000

0

Time-->



#14

Carbon disulfide

Concen: 5.314 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU036878.D

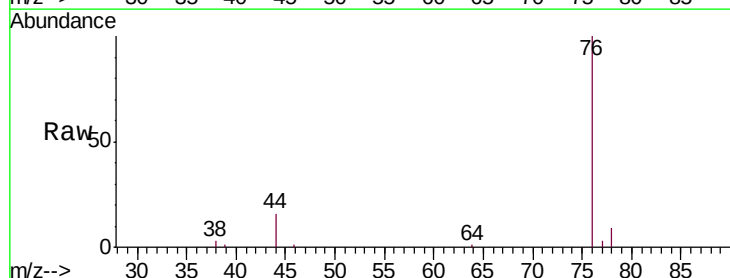
Acq: 24 Feb 2020 12:30

Tgt Ion: 76 Resp: 30344

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU036878.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VU036878.D (-367) (-)

2.82

20000

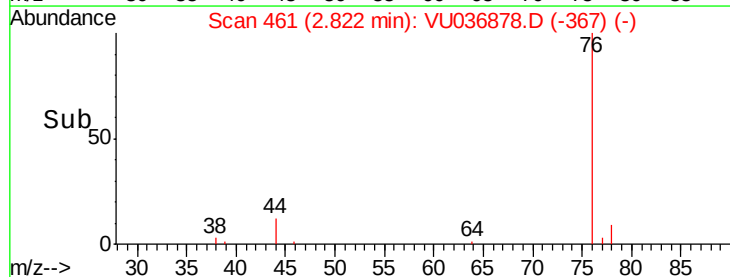
15000

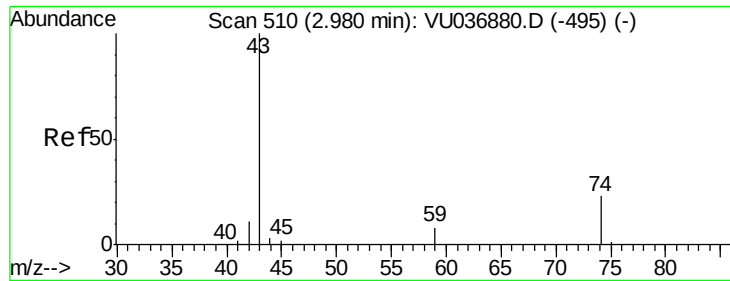
10000

5000

0

Time-->





#15

Methyl Acetate

Concen: 5.408 ug/L

RT: 2.98 min Scan# 510

Delta R.T. -0.00 min

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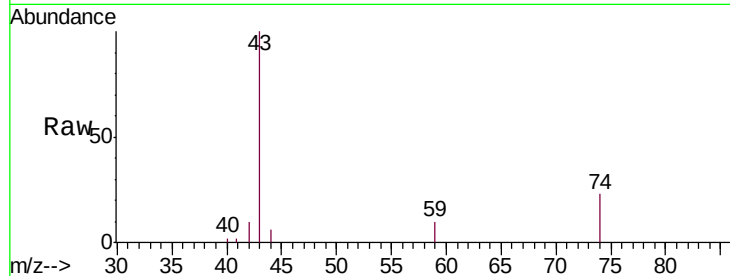
VSTD00532

Tgt Ion: 43 Resp: 13069

Ion Ratio Lower Upper

43 100

74 23.6 19.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): VU036878.D (-495) (-)

Ion 74.00 (73.70 to 74.70): VU036878.D (-495) (-)

2.98

6000

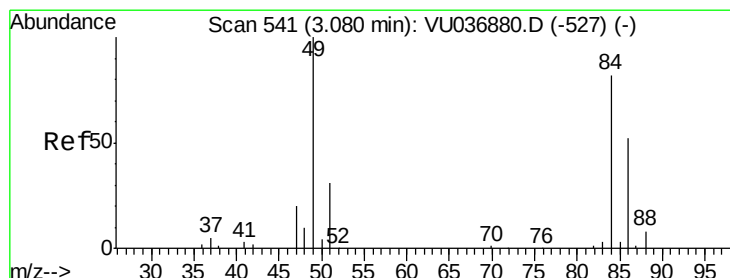
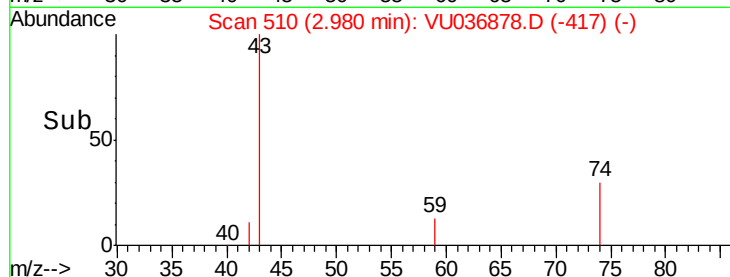
4000

2000

0

Time-->

2.90 2.95 3.00 3.05



#16

Methylene chloride

Concen: 5.636 ug/L

RT: 3.08 min Scan# 541

Delta R.T. -0.00 min

Lab File: VU036878.D

Acq: 24 Feb 2020 12:30

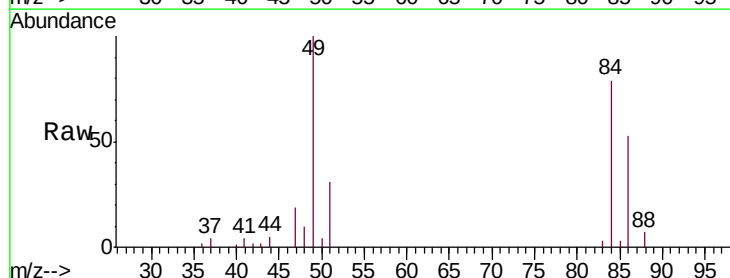
Tgt Ion: 84 Resp: 12242

Ion Ratio Lower Upper

84 100

86 67.2 44.4 82.5

49 126.8 85.9 159.5



Abundance Ion 84.00 (83.70 to 84.70): VU036878.D (-527) (-)

Ion 86.00 (85.70 to 86.70): VU036878.D (-527) (-)

Ion 49.00 (48.70 to 49.70): VU036878.D (-527) (-)

3.08

10000

8000

6000

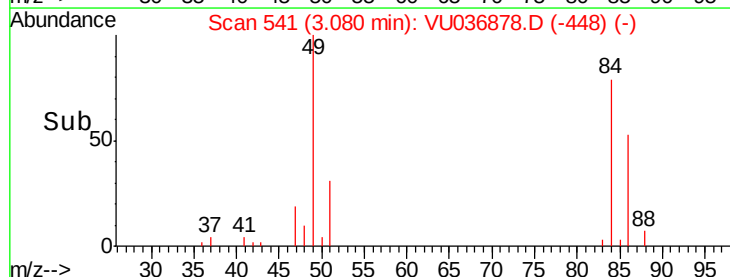
4000

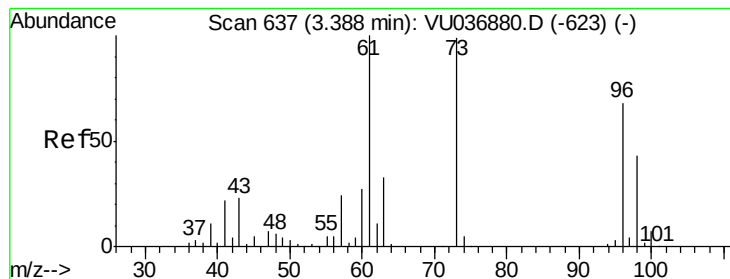
2000

0

Time-->

3.05 3.10 3.15





#17

trans-1,2-Dichloroethene

Concen: 5.333 ug/L

RT: 3.39 min Scan# 638

Delta R.T. 0.00 min

Lab File: VU036878.D

Acq: 24 Feb 2020 12:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD00532

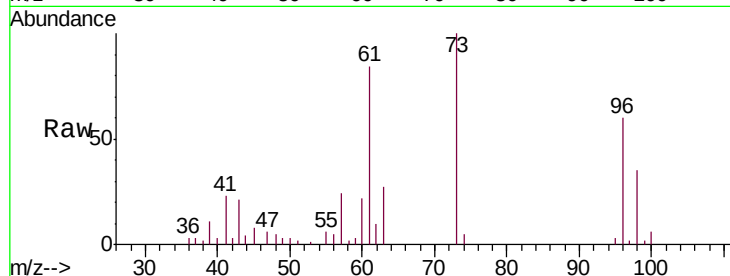
Tgt Ion: 96 Resp: 10337

Ion Ratio Lower Upper

96 100

61 141.3 103.8 192.8

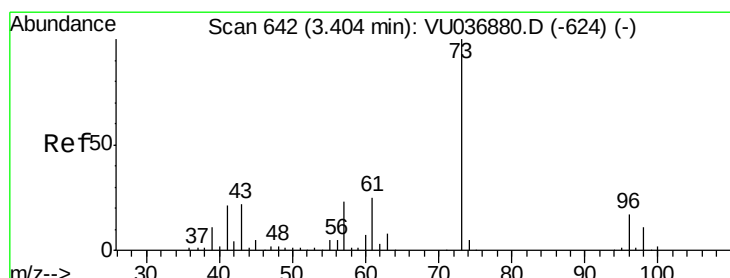
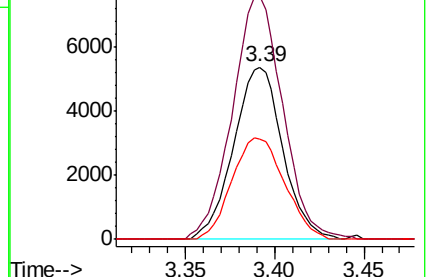
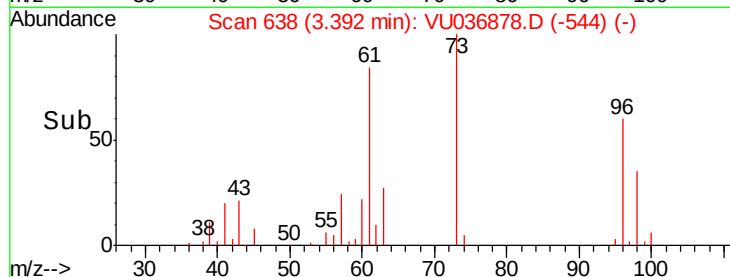
98 58.0 44.2 82.2



Abundance Ion 96.00 (95.70 to 96.70): VU036878.D (-544) (-)

Ion 61.00 (60.70 to 61.70): VU036878.D (-544) (-)

Ion 98.00 (97.70 to 98.70): VU036878.D (-544) (-)



#18

Methyl tert-butyl Ether

Concen: 5.052 ug/L

RT: 3.40 min Scan# 642

Delta R.T. -0.00 min

Lab File: VU036878.D

Acq: 24 Feb 2020 12:30

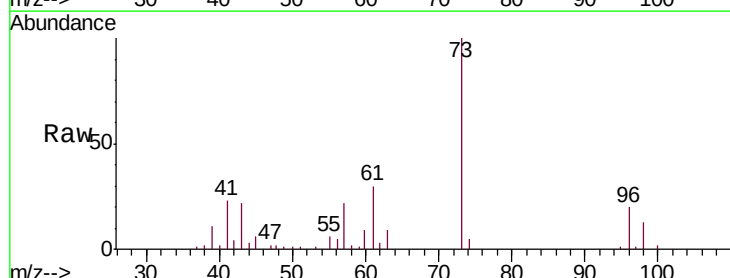
Tgt Ion: 73 Resp: 32955

Ion Ratio Lower Upper

73 100

43 22.2 18.1 27.1

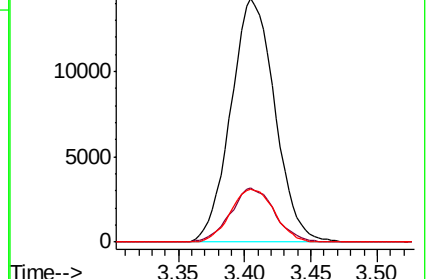
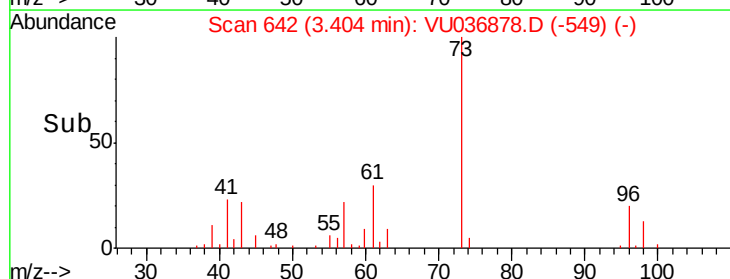
57 21.6 18.4 27.6

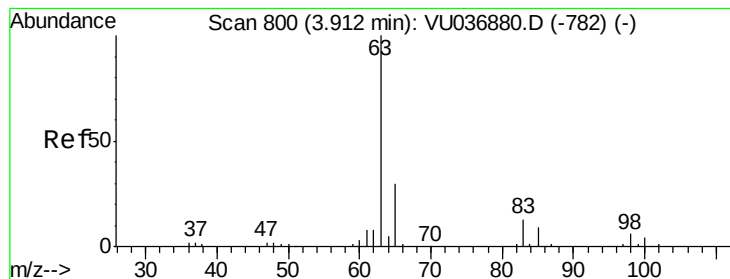


Abundance Ion 73.00 (72.70 to 73.70): VU036878.D (-549) (-)

Ion 43.00 (42.70 to 43.70): VU036878.D (-549) (-)

Ion 57.00 (56.70 to 57.70): VU036878.D (-549) (-)





#19

1,1-Dichloroethane

Concen: 5.511 ug/L

RT: 3.92 min Scan# 801

Delta R.T. 0.00 min

Lab File: VU036878.D

Acq: 24 Feb 2020 12:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD00532

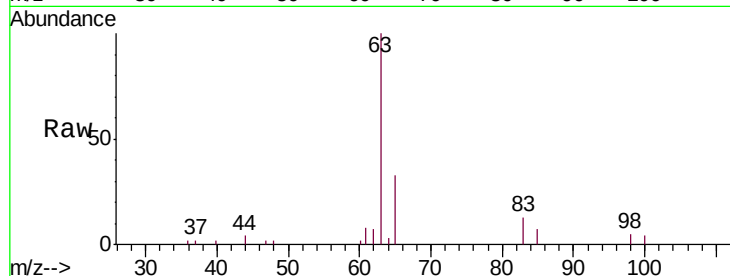
Tgt Ion: 63 Resp: 20221

Ion Ratio Lower Upper

63 100

65 33.2 21.3 39.5

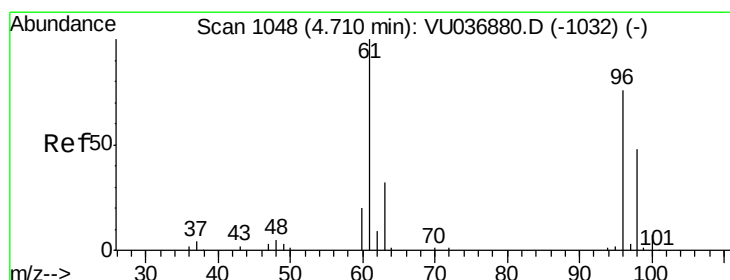
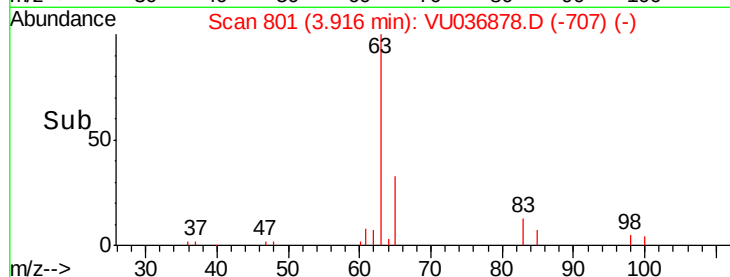
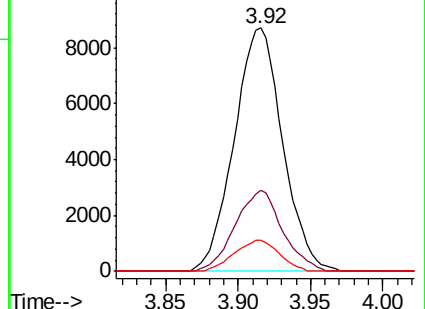
83 12.5 9.2 17.2



Abundance Ion 63.00 (62.70 to 63.70): VU036878.D (-782) (-)

Ion 65.00 (64.70 to 65.70): VU036878.D (-782) (-)

Ion 83.00 (82.70 to 83.70): VU036878.D (-782) (-)



#20

cis-1,2-Dichloroethene

Concen: 5.126 ug/L

RT: 4.71 min Scan# 1049

Delta R.T. 0.00 min

Lab File: VU036878.D

Acq: 24 Feb 2020 12:30

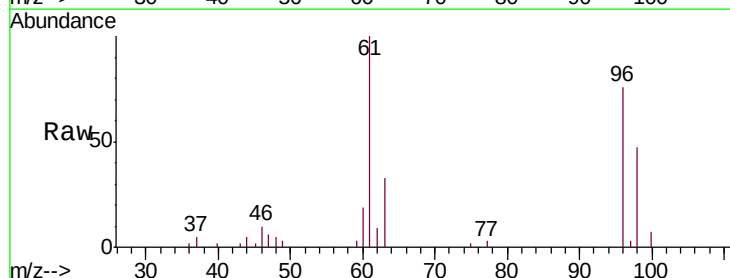
Tgt Ion: 96 Resp: 11260

Ion Ratio Lower Upper

96 100

61 132.3 93.1 172.9

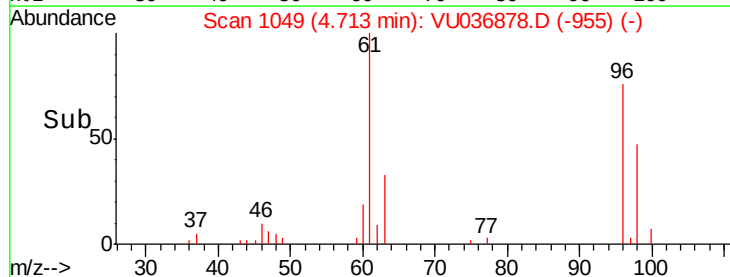
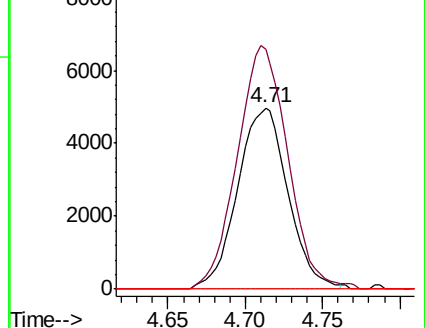
68 0.0 0.0 0.0

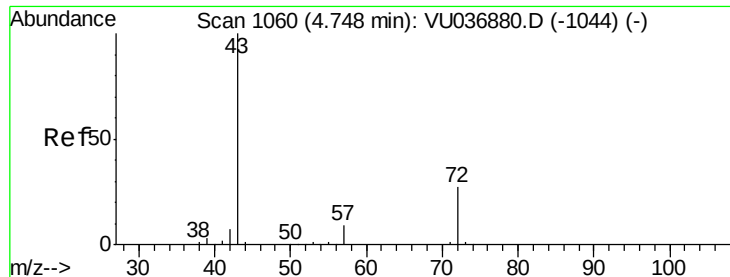


Abundance Ion 96.00 (95.70 to 96.70): VU036878.D (-955) (-)

Ion 61.00 (60.70 to 61.70): VU036878.D (-955) (-)

Ion 68.00 (67.70 to 68.70): VU036878.D (-955) (-)





#22

2-Butanone

Concen: 9.900 ug/L

RT: 4.75 min Scan# 1061

Delta R.T. 0.00 min

Lab File: VU036878.D

Acq: 24 Feb 2020 12:30

Instrument :

MSVOA_U

ClientSampleId :

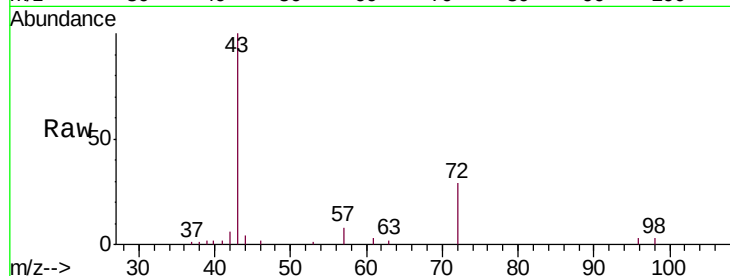
VSTD00532

Tgt Ion: 43 Resp: 20203

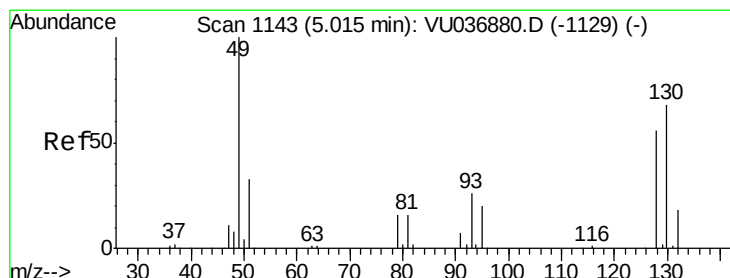
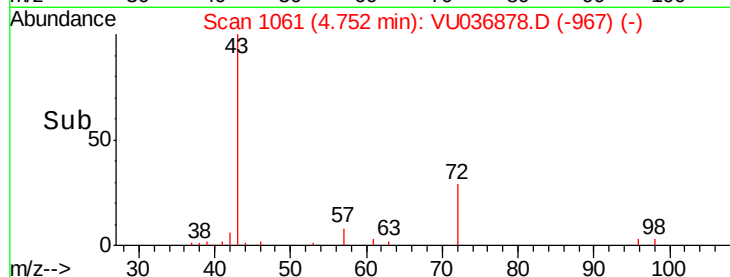
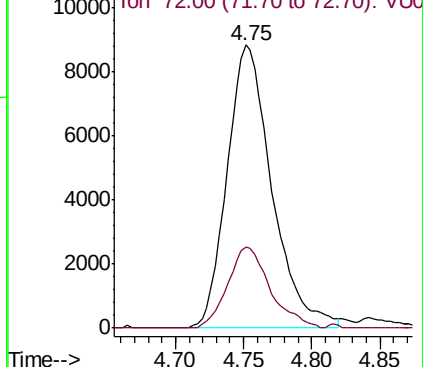
Ion Ratio Lower Upper

43 100

72 27.2 13.9 41.6



Abundance Ion 43.00 (42.70 to 43.70): VU036878.D (-1044) (-)



#23

Bromochloromethane

Concen: 4.862 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VU036878.D

Acq: 24 Feb 2020 12:30

Tgt Ion: 128 Resp: 5123

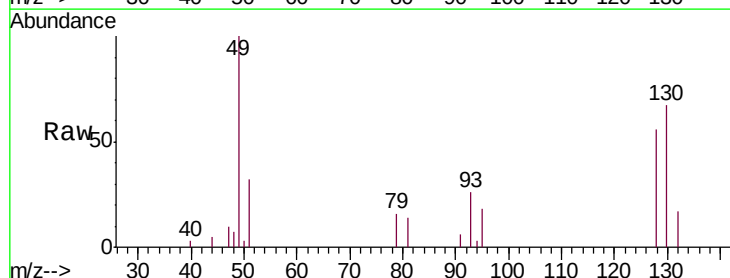
Ion Ratio Lower Upper

128 100

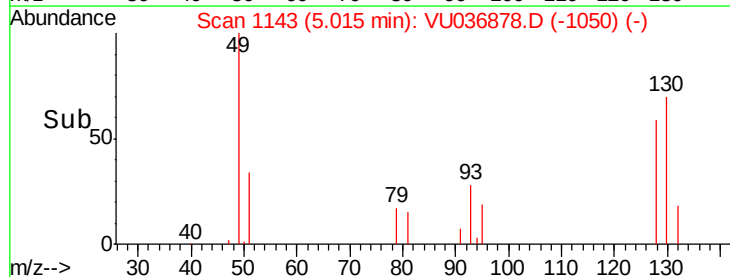
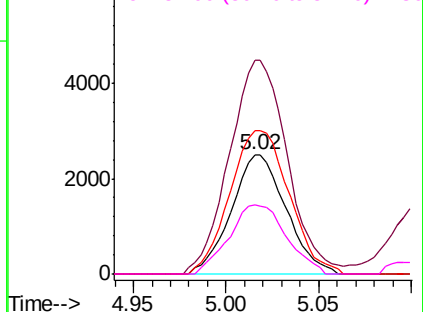
49 179.0 126.5 234.9

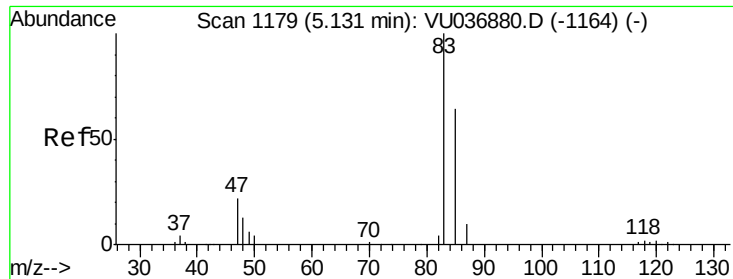
130 120.1 86.0 159.8

51 57.5 47.3 70.9



Abundance Ion 128.00 (127.70 to 128.70): VU036878.D (-1050) (-)

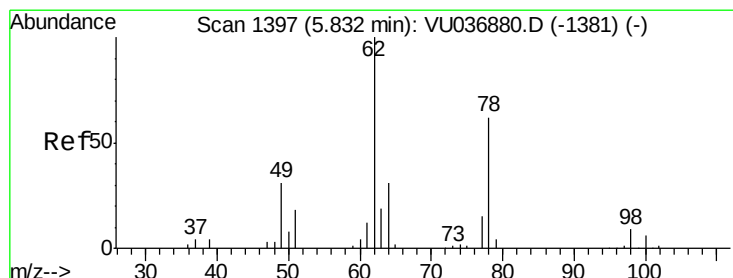
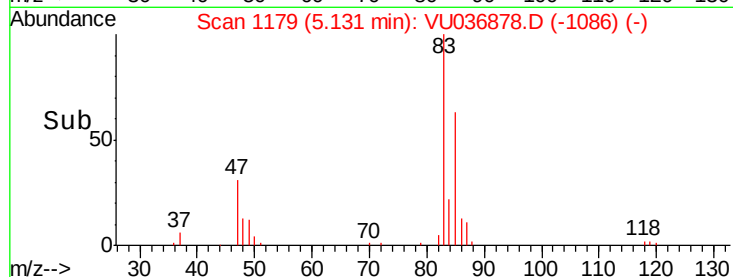
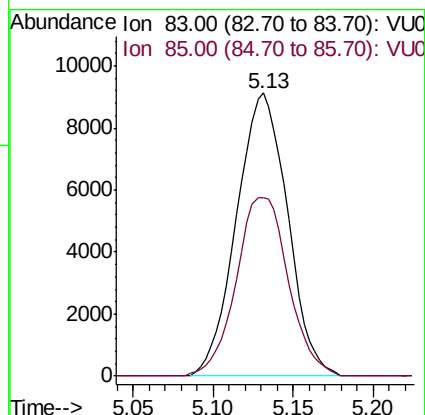
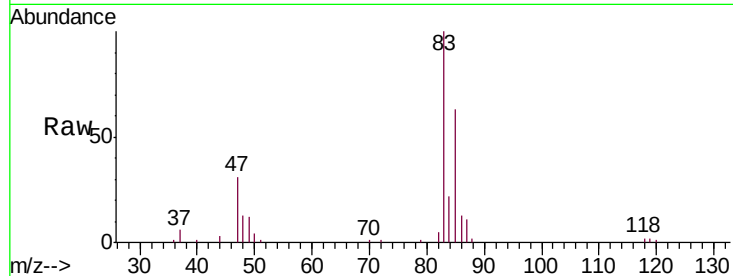




#25
Chloroform
Concen: 5.191 ug/L
RT: 5.13 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VU036878.D
Acq: 24 Feb 2020 12:30

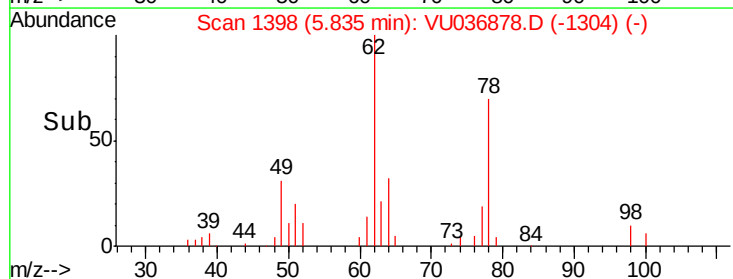
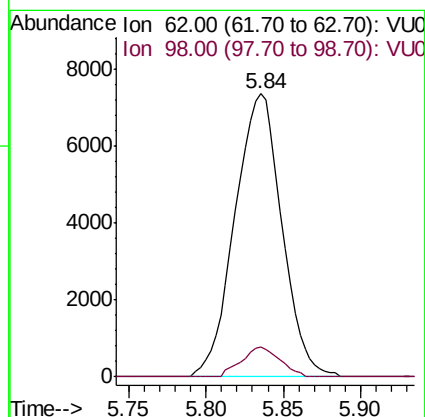
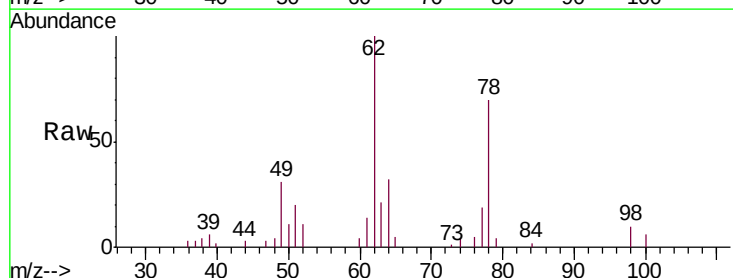
Instrument :
MSVOA_U
ClientSampleId :
VSTD00532

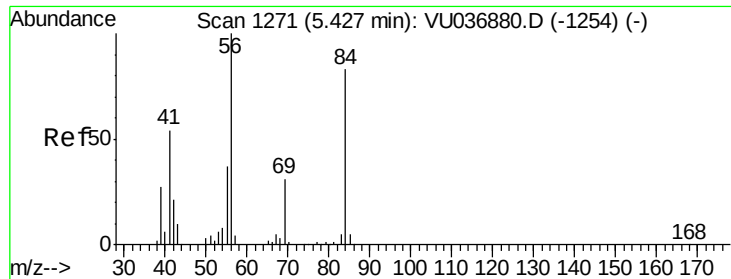
Tgt Ion: 83 Resp: 19947
Ion Ratio Lower Upper
83 100
85 63.2 45.1 83.9



#27
1,2-Dichloroethane
Concen: 5.074 ug/L
RT: 5.84 min Scan# 1398
Delta R.T. 0.00 min
Lab File: VU036878.D
Acq: 24 Feb 2020 12:30

Tgt Ion: 62 Resp: 15541
Ion Ratio Lower Upper
62 100
98 10.5 7.1 10.7

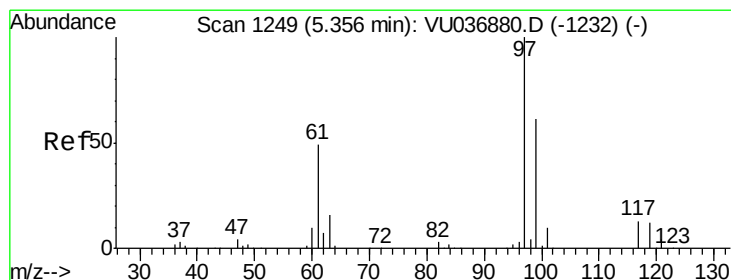
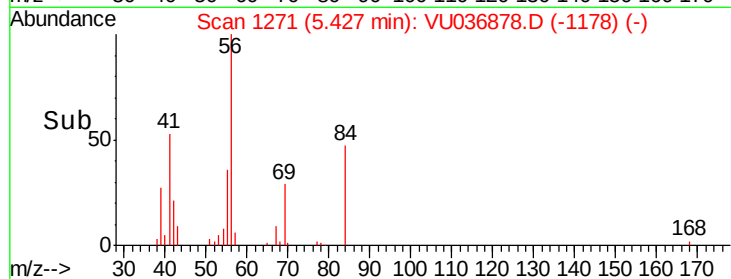
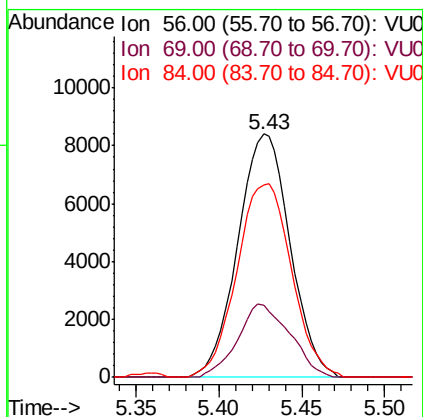
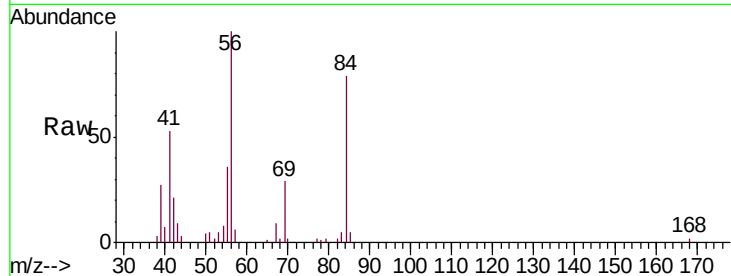




#29
Cyclohexane
Concen: 5.393 ug/L
RT: 5.43 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU036878.D
Acq: 24 Feb 2020 12:30

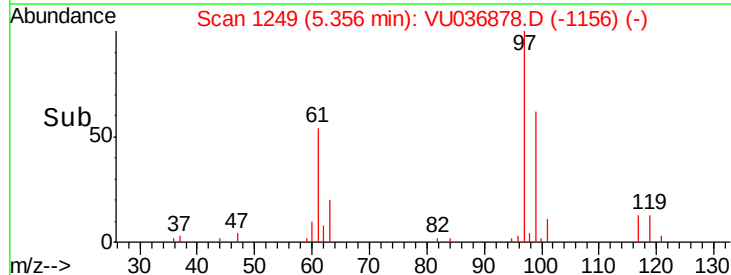
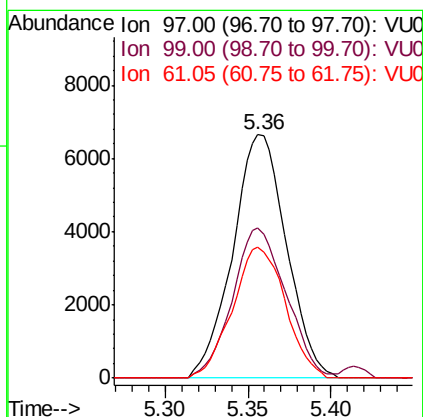
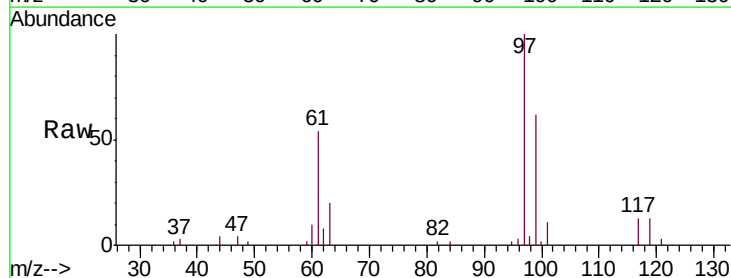
Instrument :
MSVOA_U
ClientSampleId :
VSTD00532

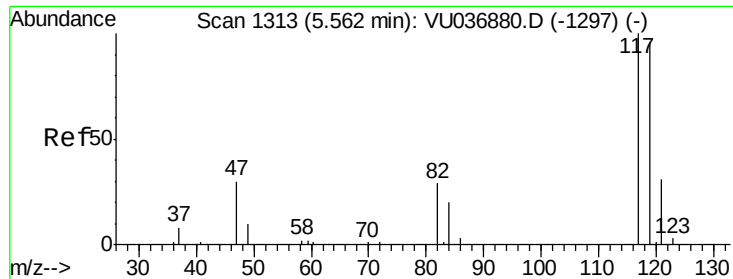
Tgt Ion: 56 Resp: 18466
Ion Ratio Lower Upper
56 100
69 30.0 24.6 37.0
84 83.2 67.0 100.4



#30
1,1,1-Trichloroethane
Concen: 4.616 ug/L
RT: 5.36 min Scan# 1249
Delta R.T. 0.00 min
Lab File: VU036878.D
Acq: 24 Feb 2020 12:30

Tgt Ion: 97 Resp: 14957
Ion Ratio Lower Upper
97 100
99 61.5 50.4 75.6
61 53.0 40.3 60.5

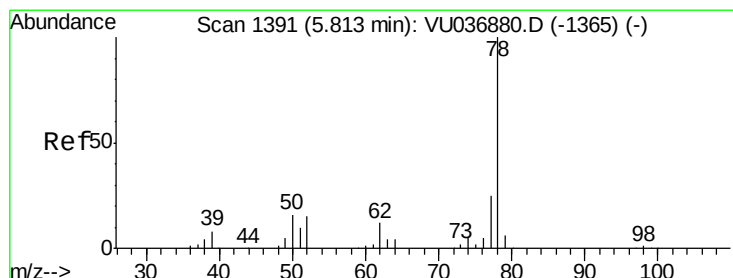
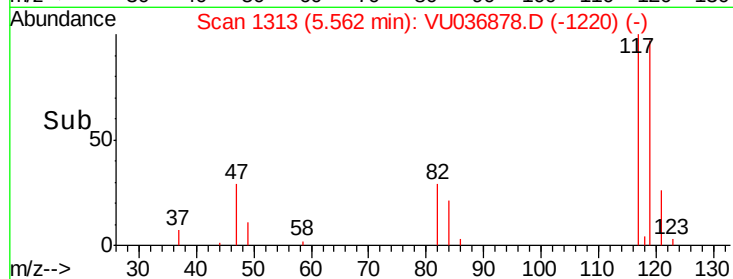
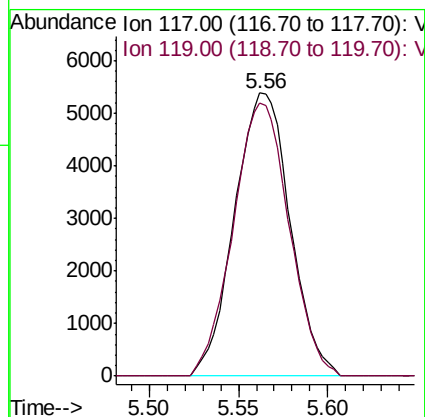
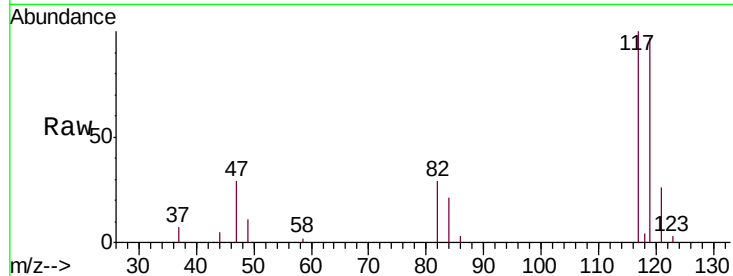




#31
Carbon tetrachloride
Concen: 4.316 ug/L
RT: 5.56 min Scan# 1313
Delta R.T. -0.00 min
Lab File: VU036878.D
Acq: 24 Feb 2020 12:30

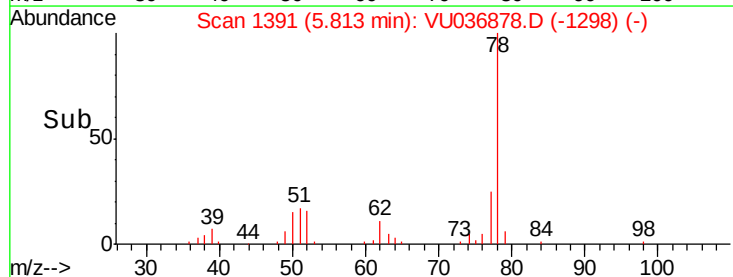
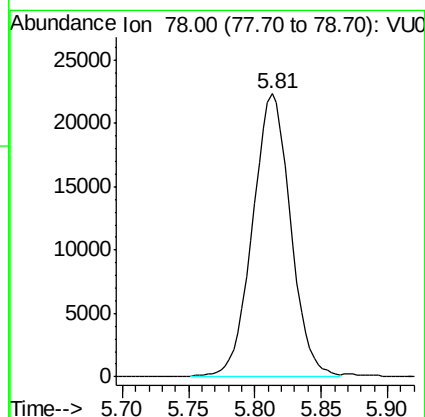
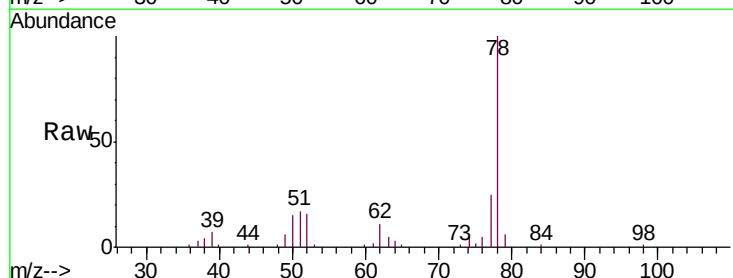
Instrument :
MSVOA_U
ClientSampleId :
VSTD00532

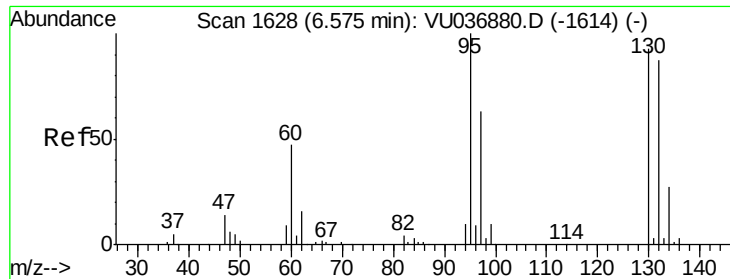
Tgt Ion:117 Resp: 11709
Ion Ratio Lower Upper
117 100
119 96.9 77.2 115.8



#33
Benzene
Concen: 5.491 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VU036878.D
Acq: 24 Feb 2020 12:30

Tgt Ion: 78 Resp: 44805





#34

Trichloroethene

Concen: 5.078 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VU036878.D

Acq: 24 Feb 2020 12:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD00532

Tgt Ion: 95 Resp: 10956

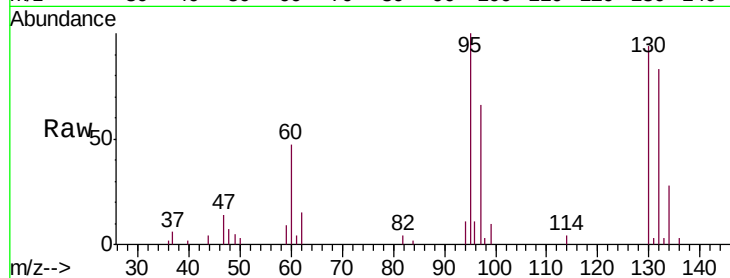
Ion Ratio Lower Upper

95 100

97 66.1 44.1 81.9

132 83.0 60.6 112.6

130 94.4 64.9 120.5

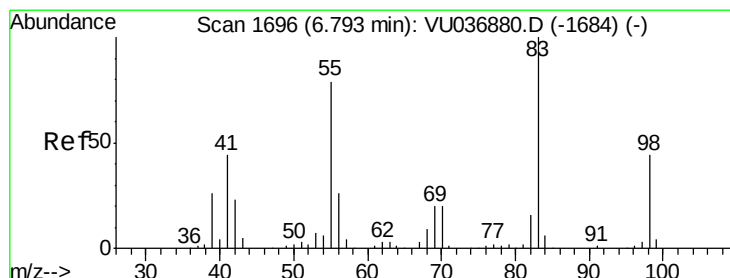
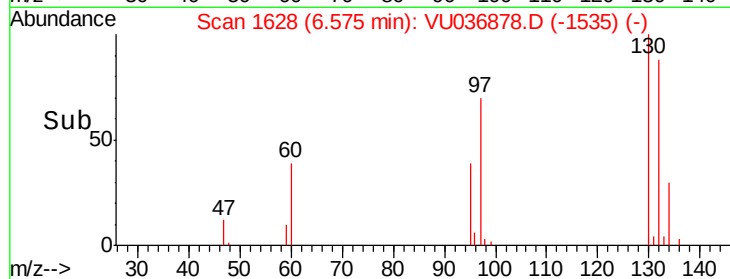
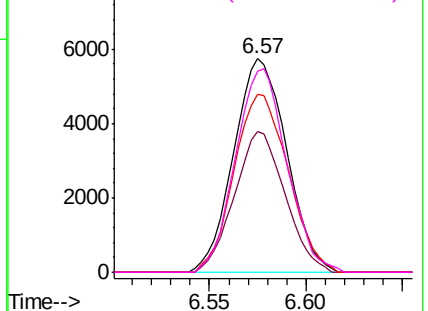


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 5.432 ug/L

RT: 6.79 min Scan# 1696

Delta R.T. -0.00 min

Lab File: VU036878.D

Acq: 24 Feb 2020 12:30

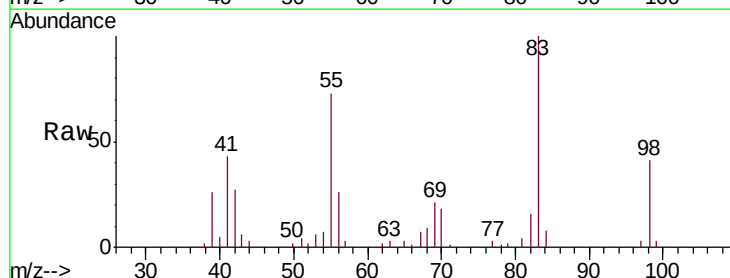
Tgt Ion: 83 Resp: 18557

Ion Ratio Lower Upper

83 100

55 77.6 62.6 93.8

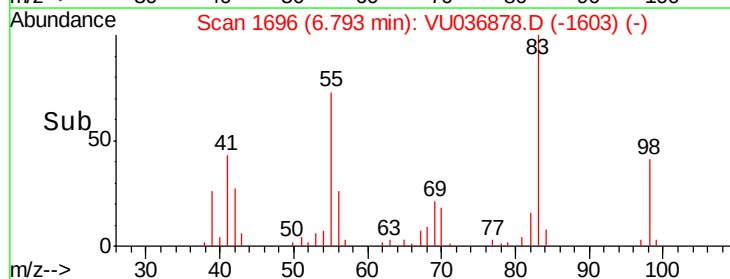
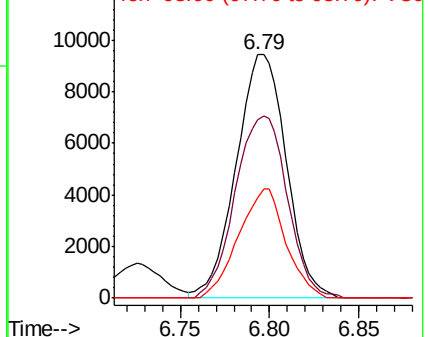
98 42.3 35.1 52.7

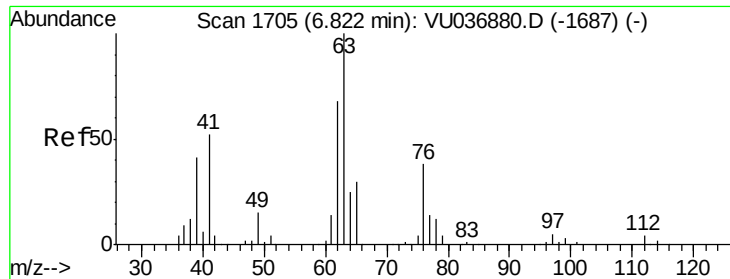


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

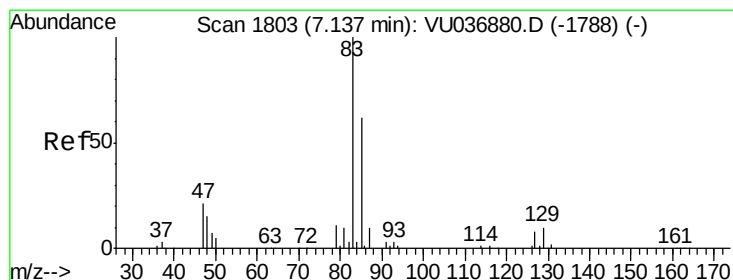
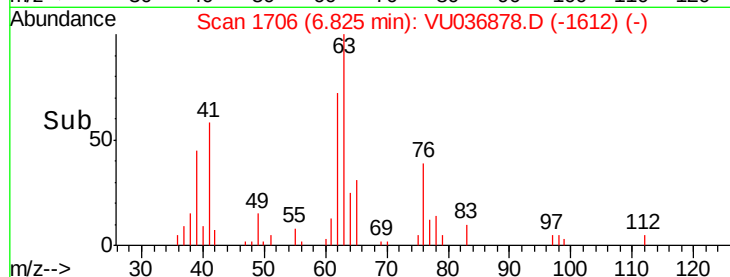
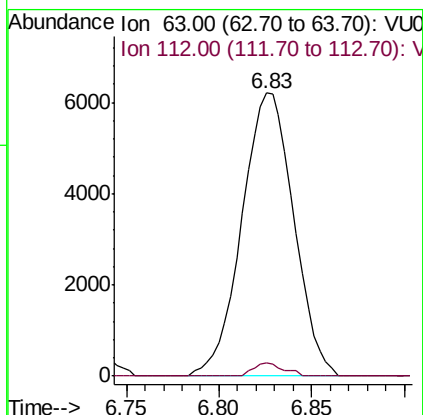
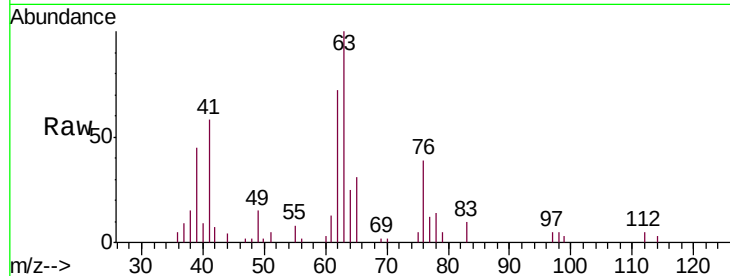




#37
 1,2-Dichloropropane
 Concen: 5.568 ug/L
 RT: 6.83 min Scan# 1706
 Delta R.T. 0.00 min
 Lab File: VU036878.D
 Acq: 24 Feb 2020 12:30

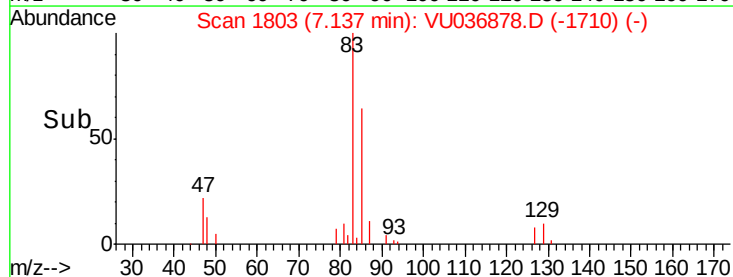
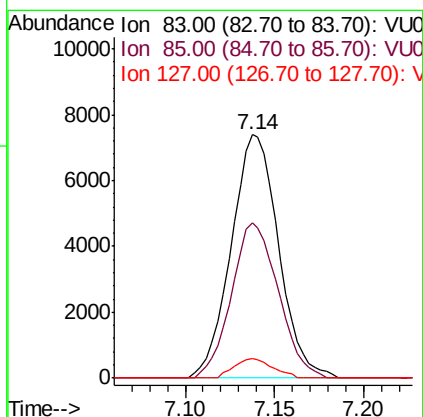
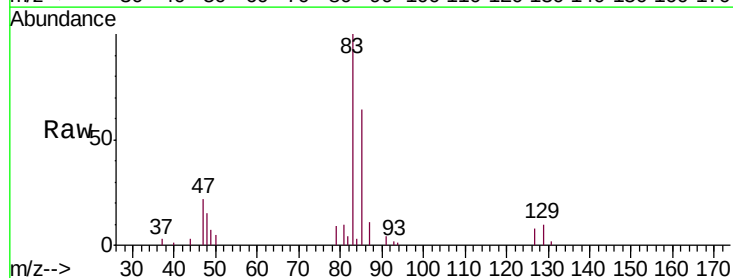
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00532

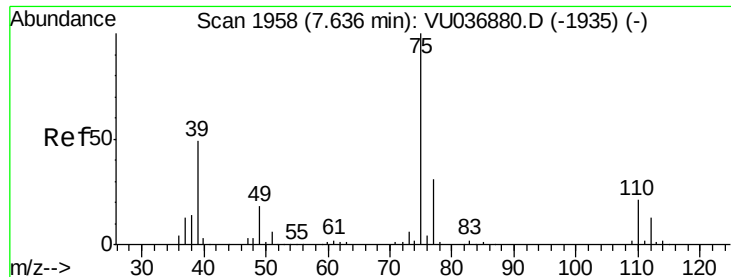
Tgt Ion: 63 Resp: 12052
 Ion Ratio Lower Upper
 63 100
 112 2.5 3.0 4.6#



#38
 Bromodichloromethane
 Concen: 4.728 ug/L
 RT: 7.14 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VU036878.D
 Acq: 24 Feb 2020 12:30

Tgt Ion: 83 Resp: 13654
 Ion Ratio Lower Upper
 83 100
 85 64.0 43.6 81.0
 127 8.0 6.0 9.0

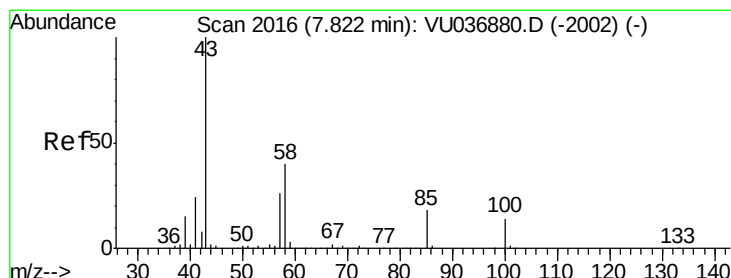
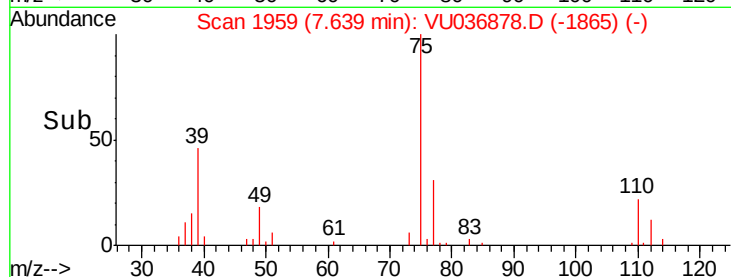
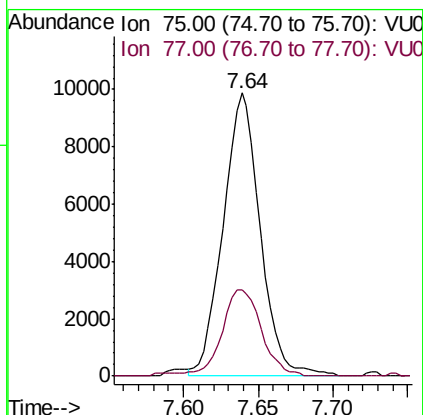
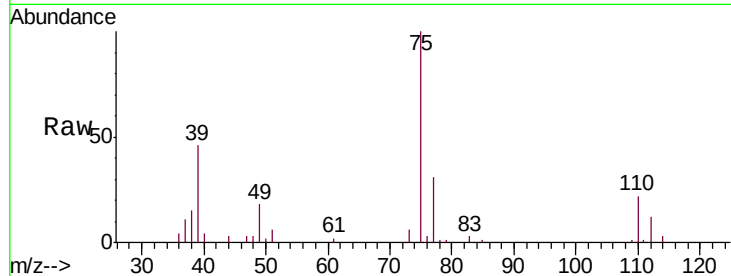




#39
 cis-1,3-Dichloropropene
 Concen: 4.907 ug/L
 RT: 7.64 min Scan# 1959
 Delta R.T. 0.00 min
 Lab File: VU036878.D
 Acq: 24 Feb 2020 12:30

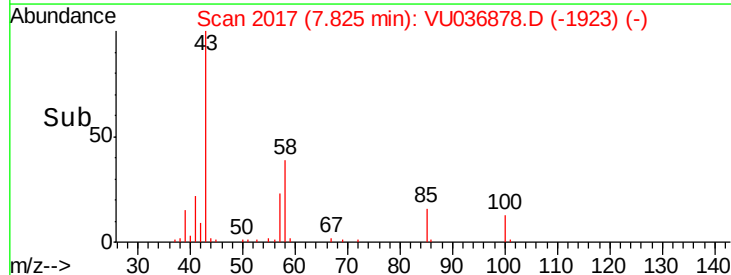
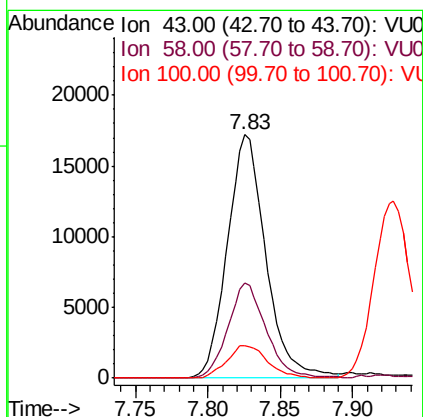
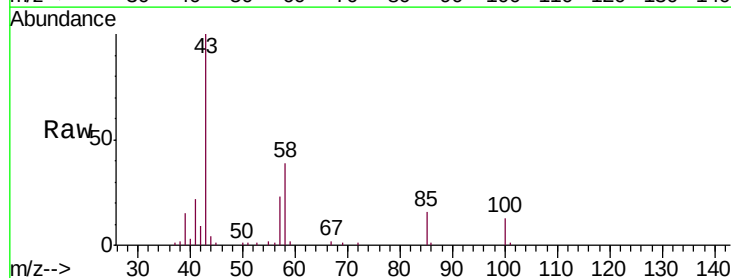
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00532

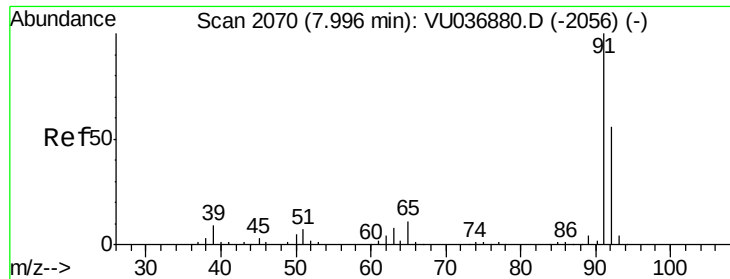
Tgt Ion: 75 Resp: 17036
 Ion Ratio Lower Upper
 75 100
 77 30.7 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 9.180 ug/L
 RT: 7.83 min Scan# 2017
 Delta R.T. 0.00 min
 Lab File: VU036878.D
 Acq: 24 Feb 2020 12:30

Tgt Ion: 43 Resp: 31681
 Ion Ratio Lower Upper
 43 100
 58 38.4 31.8 47.6
 100 14.0 11.5 17.3





#42

Toluene

Concen: 5.135 ug/L

RT: 8.00 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VU036878.D

Acq: 24 Feb 2020 12:30

Instrument :

MSVOA_U

ClientSampleId :

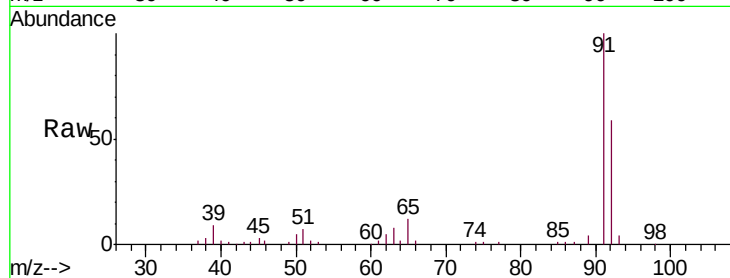
VSTD00532

Tgt Ion: 91 Resp: 45343

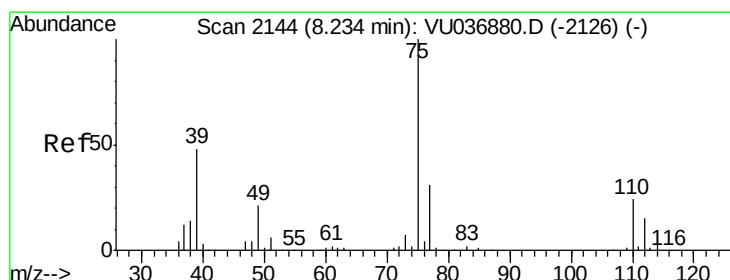
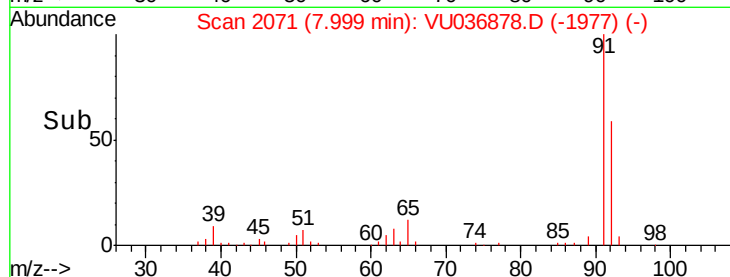
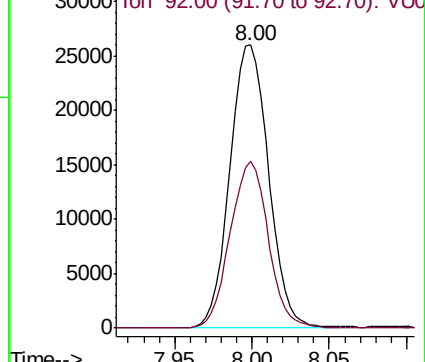
Ion Ratio Lower Upper

91 100

92 58.9 39.4 73.2



Abundance Ion 91.00 (90.70 to 91.70): VU036878.D (-1977) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.519 ug/L

RT: 8.24 min Scan# 2146

Delta R.T. 0.01 min

Lab File: VU036878.D

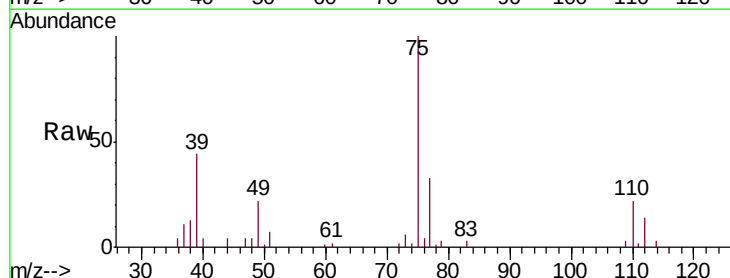
Acq: 24 Feb 2020 12:30

Tgt Ion: 75 Resp: 14305

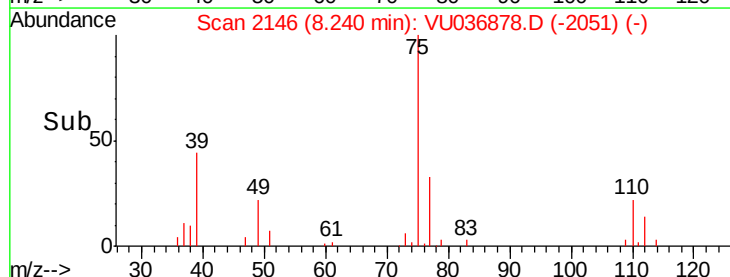
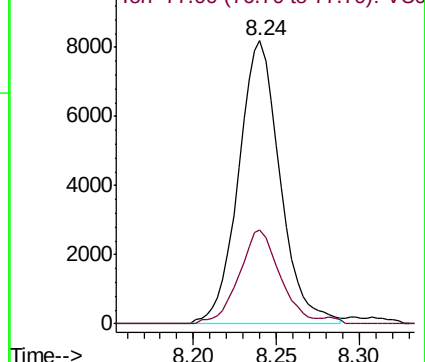
Ion Ratio Lower Upper

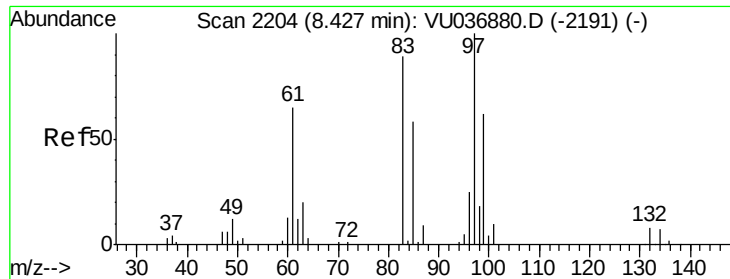
75 100

77 33.2 21.6 40.2



Abundance Ion 75.00 (74.70 to 75.70): VU036878.D (-2051) (-)

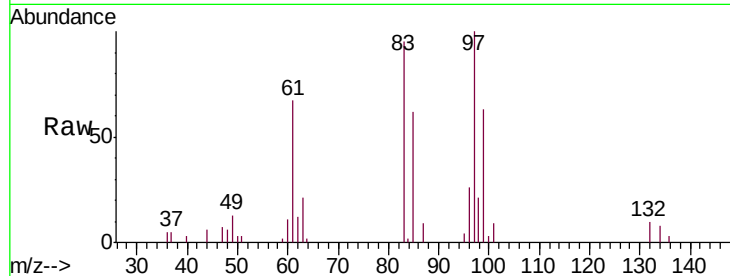




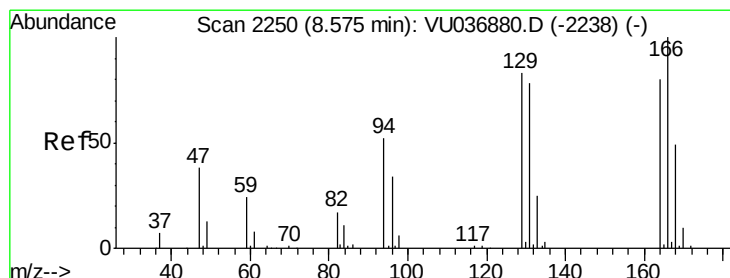
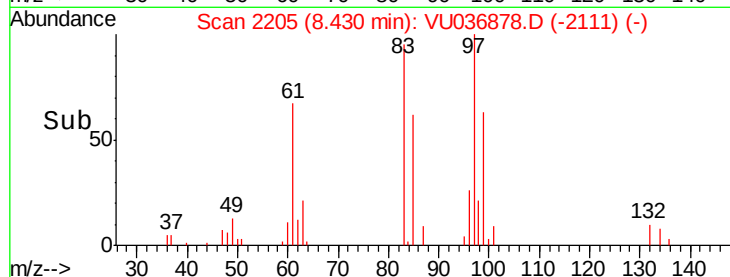
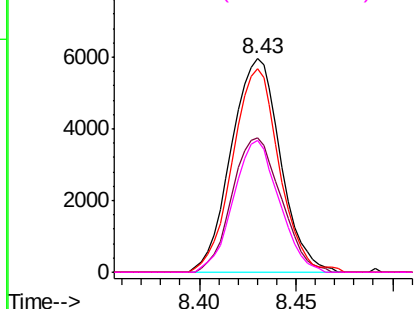
#45
 1,1,2-Trichloroethane
 Concen: 5.171 ug/L
 RT: 8.43 min Scan# 2205
 Delta R.T. 0.00 min
 Lab File: VU036878.D
 Acq: 24 Feb 2020 12:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00532

Tgt Ion:	97	Resp:	10575
Ion	Ratio	Lower	Upper
97	100		
99	63.0	43.6	81.0
83	95.2	62.7	116.5
85	61.8	40.3	74.9

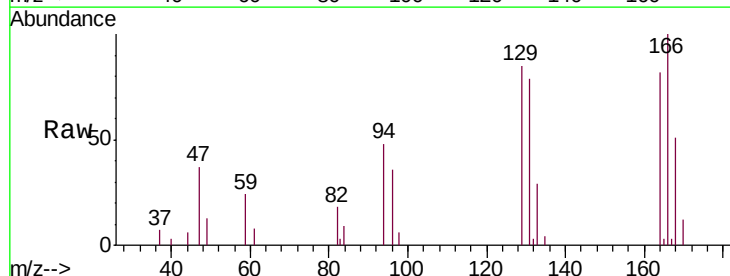


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0
 Ion 85.00 (84.70 to 85.70): VU0

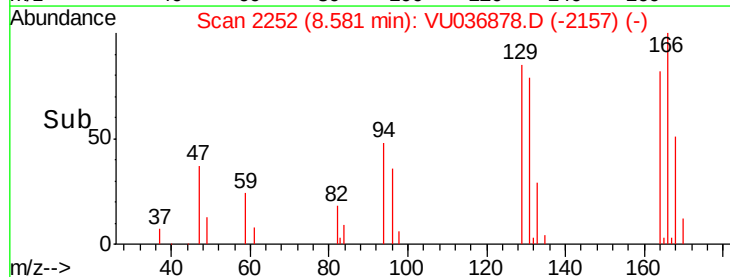
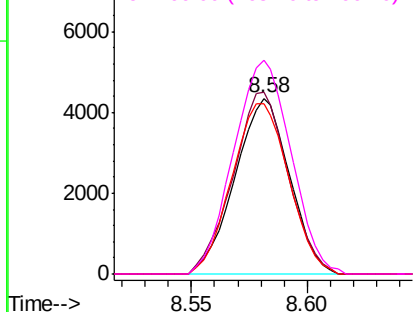


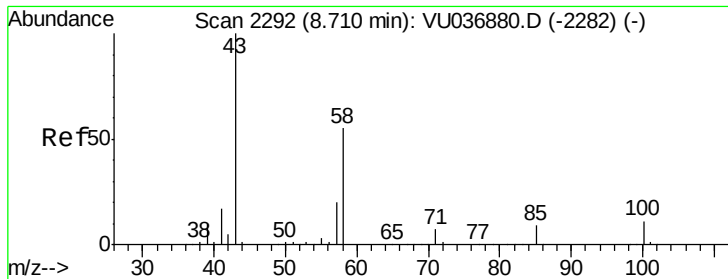
#46
 Tetrachloroethene
 Concen: 4.939 ug/L
 RT: 8.58 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: VU036878.D
 Acq: 24 Feb 2020 12:30

Tgt Ion:	164	Resp:	7119
Ion	Ratio	Lower	Upper
164	100		
129	103.7	72.0	133.8
131	96.6	67.9	126.1
166	121.6	87.1	161.7



Abundance Ion 164.00 (163.70 to 164.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 131.00 (130.70 to 131.70): V
 Ion 166.00 (165.70 to 166.70): V

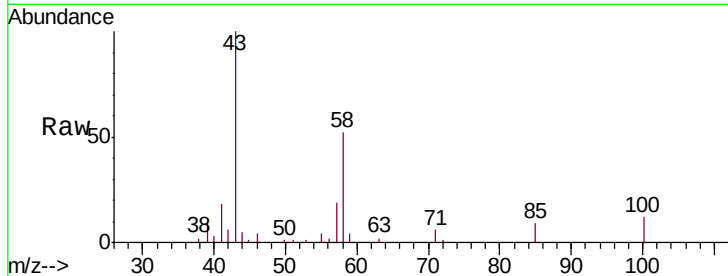




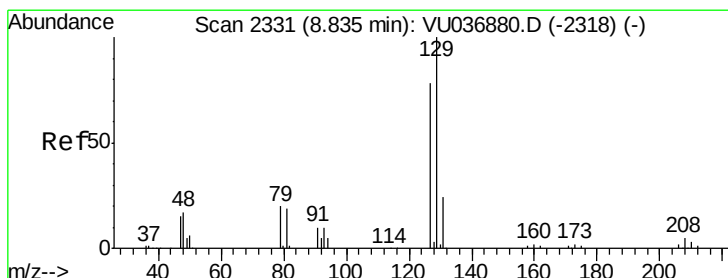
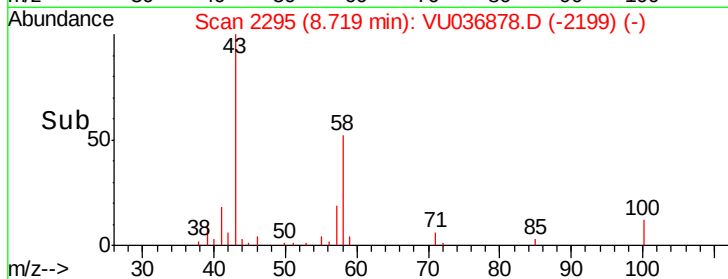
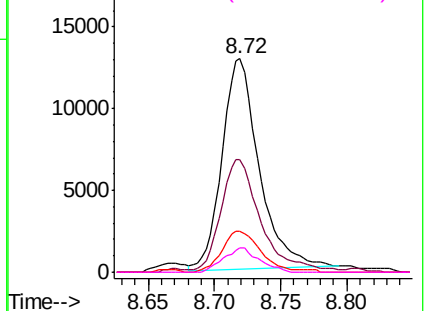
#48
2-Hexanone
Concen: 9.073 ug/L
RT: 8.72 min Scan# 2295
Delta R.T. 0.01 min
Lab File: VU036878.D
Acq: 24 Feb 2020 12:30

Instrument :
MSVOA_U
ClientSampleId :
VSTD00532

Tgt Ion: 43 Resp: 24946
Ion Ratio Lower Upper
43 100
58 57.5 43.5 65.3
57 20.3 15.1 22.7
100 11.1 8.7 13.1

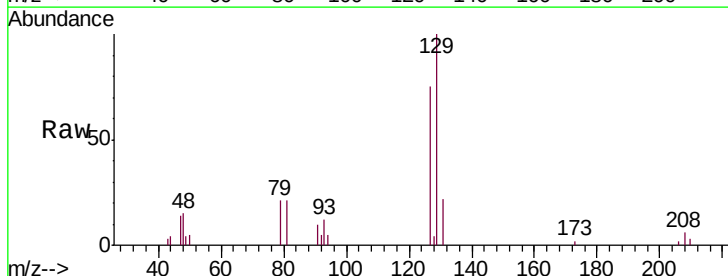


Abundance Ion 43.00 (42.70 to 43.70): VU036878.D (-2199) (-)
Ion 58.00 (57.70 to 58.70): VU036878.D (-2199) (-)
Ion 57.00 (56.70 to 57.70): VU036878.D (-2199) (-)
Ion 100.00 (99.70 to 100.70): VU036878.D (-2199) (-)

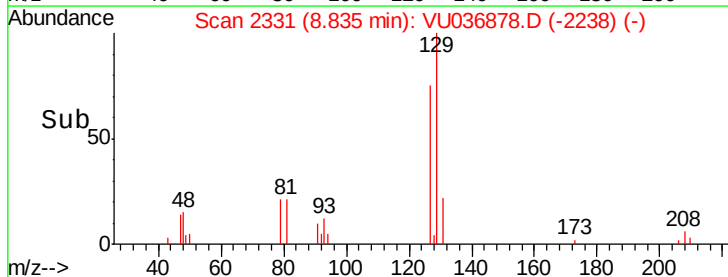
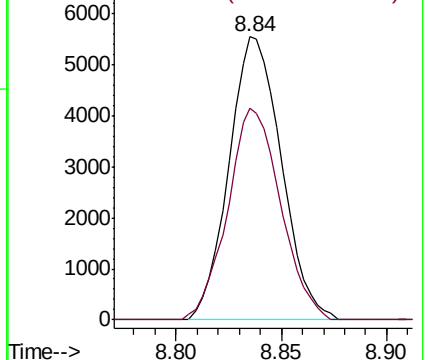


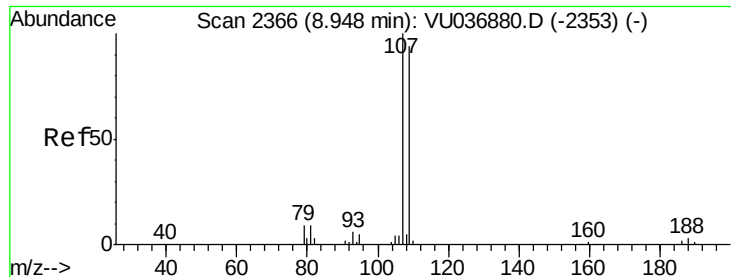
#49
Dibromochloromethane
Concen: 4.358 ug/L
RT: 8.84 min Scan# 2331
Delta R.T. -0.00 min
Lab File: VU036878.D
Acq: 24 Feb 2020 12:30

Tgt Ion: 129 Resp: 9564
Ion Ratio Lower Upper
129 100
127 74.9 54.3 100.8



Abundance Ion 129.00 (128.70 to 129.70): VU036878.D (-2238) (-)
Ion 127.00 (126.70 to 127.70): VU036878.D (-2238) (-)

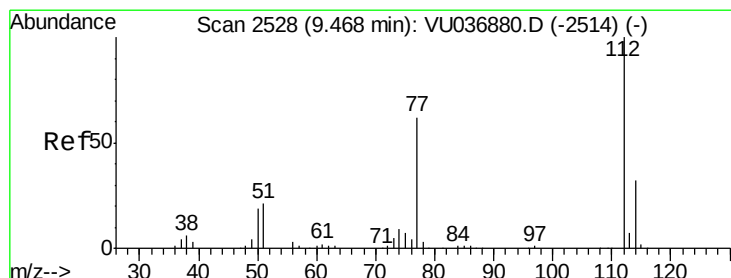
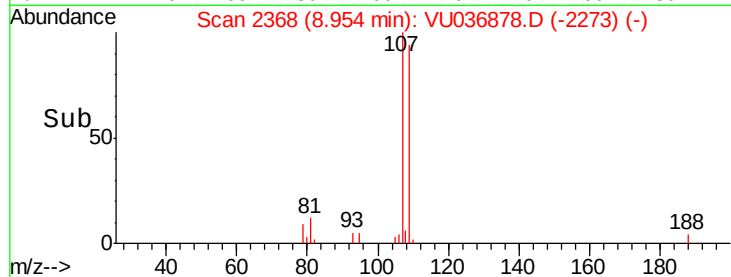
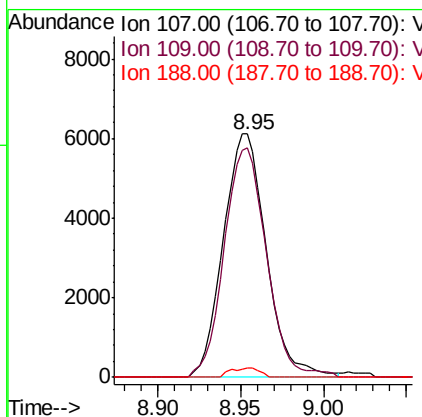
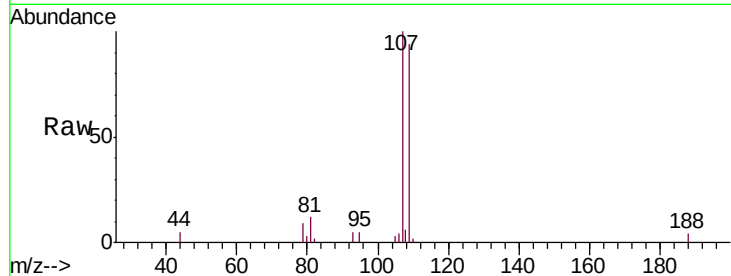




#50
 1,2-Dibromoethane
 Concen: 4.855 ug/L
 RT: 8.95 min Scan# 2368
 Delta R.T. 0.01 min
 Lab File: VU036878.D
 Acq: 24 Feb 2020 12:30

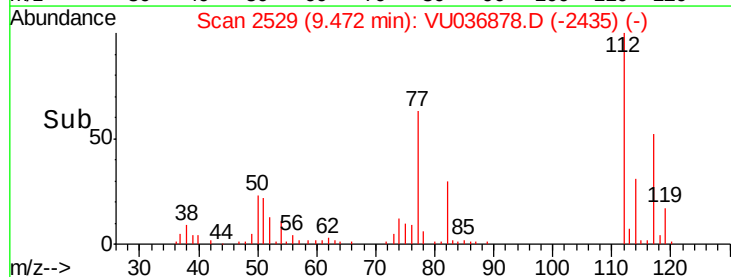
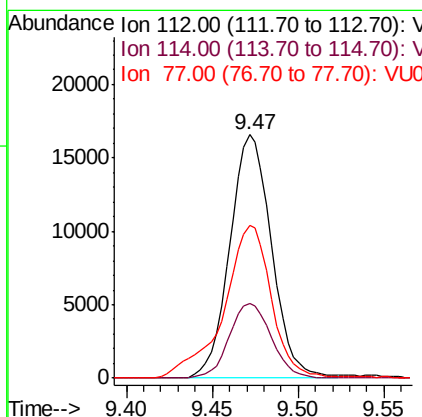
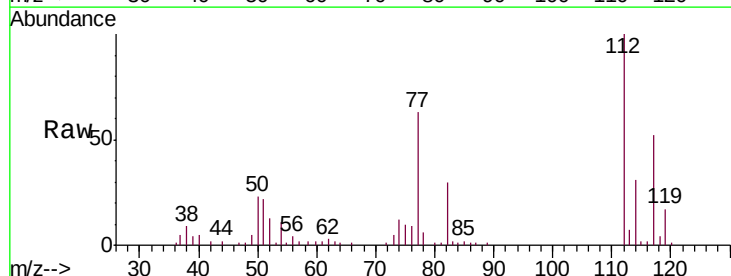
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00532

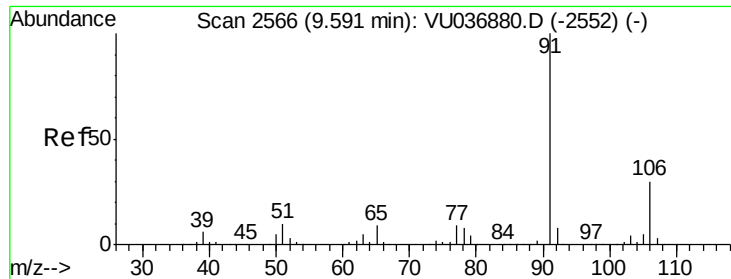
Tgt Ion:107 Resp: 11019
 Ion Ratio Lower Upper
 107 100
 109 94.4 65.9 122.5
 188 3.7 2.2 3.2#



#51
 Chlorobenzene
 Concen: 5.100 ug/L
 RT: 9.47 min Scan# 2529
 Delta R.T. 0.00 min
 Lab File: VU036878.D
 Acq: 24 Feb 2020 12:30

Tgt Ion:112 Resp: 27921
 Ion Ratio Lower Upper
 112 100
 114 30.5 22.3 41.5
 77 62.7 50.1 75.1





#52

Ethylbenzene

Concen: 5.071 ug/L

RT: 9.59 min Scan# 2567

Delta R.T. 0.00 min

Lab File: VU036878.D

Acq: 24 Feb 2020 12:30

Instrument :

MSVOA_U

ClientSampleId :

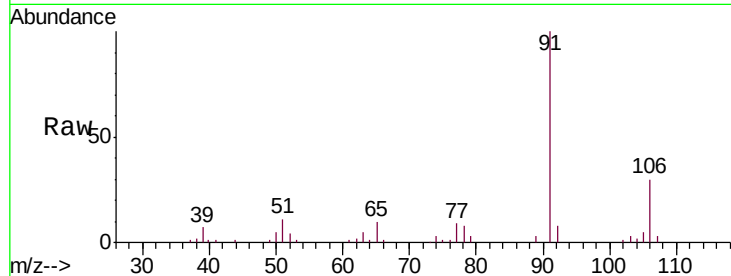
VSTD00532

Tgt Ion: 91 Resp: 49603

Ion Ratio Lower Upper

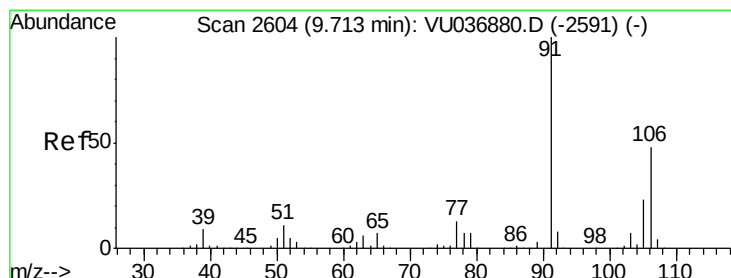
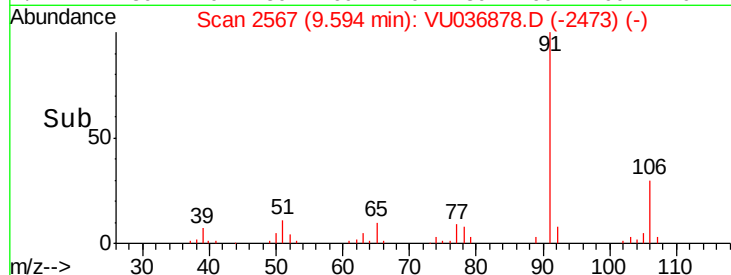
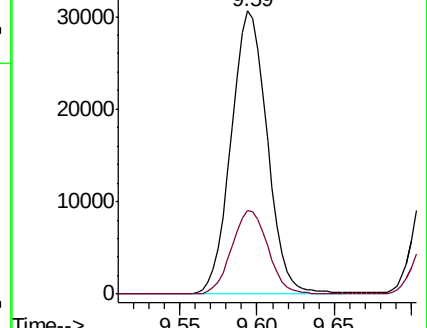
91 100

106 29.6 21.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VU036880.D (-2552) (-)

Ion 106.00 (105.70 to 106.70): VU036880.D (-2552) (-)



#53

m,p-Xylene

Concen: 5.003 ug/L

RT: 9.72 min Scan# 2606

Delta R.T. 0.01 min

Lab File: VU036878.D

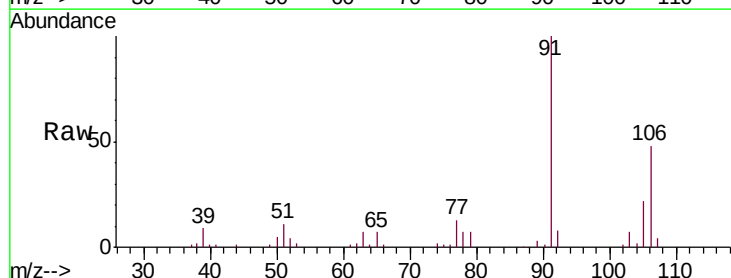
Acq: 24 Feb 2020 12:30

Tgt Ion: 106 Resp: 18269

Ion Ratio Lower Upper

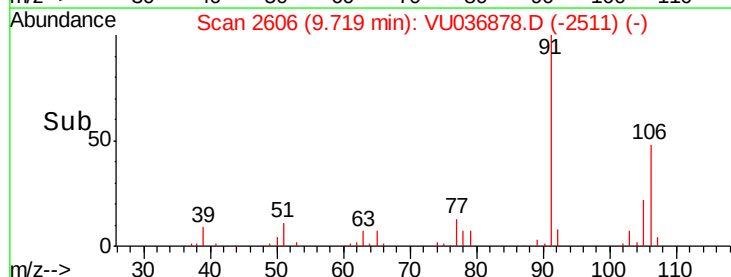
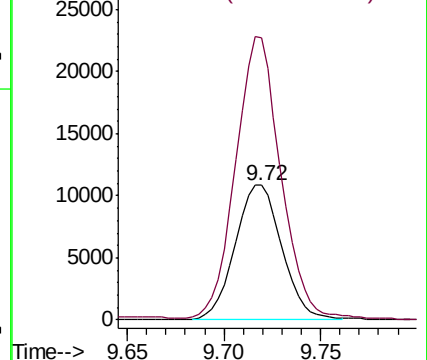
106 100

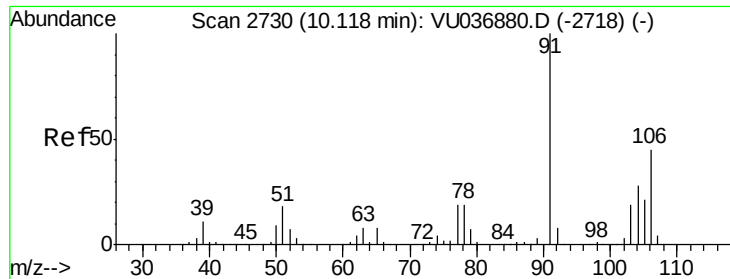
91 210.0 145.3 269.9



Abundance Ion 106.00 (105.70 to 106.70): VU036880.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VU036880.D (-2591) (-)

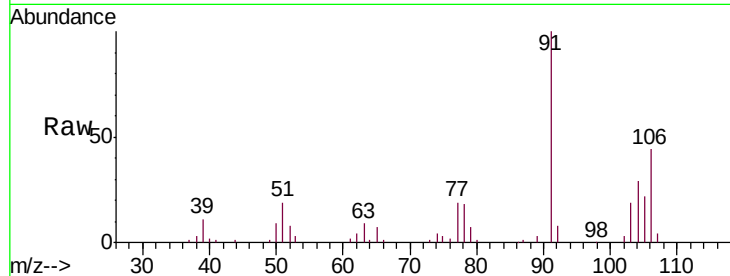




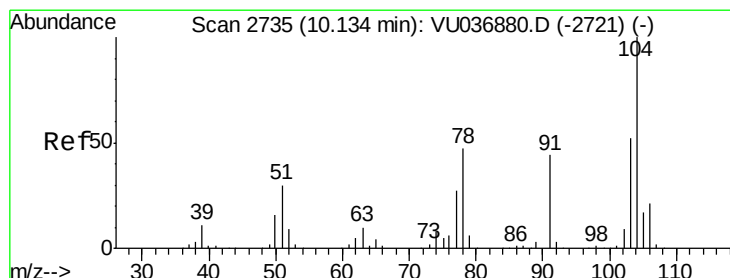
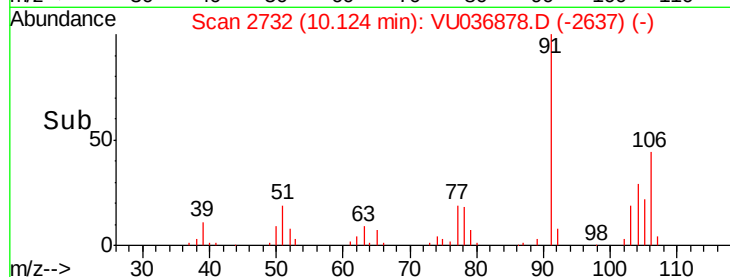
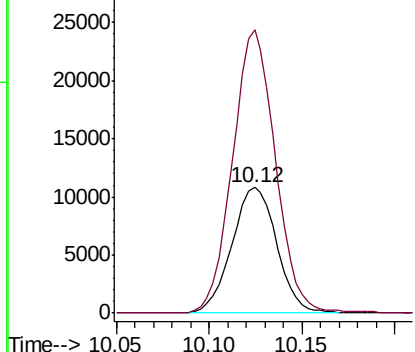
#54
o-xylene
Concen: 4.986 ug/L
RT: 10.12 min Scan# 2732
Delta R.T. 0.01 min
Lab File: VU036878.D
Acq: 24 Feb 2020 12:30

Instrument :
MSVOA_U
ClientSampleId :
VSTD00532

Tgt Ion:106 Resp: 18172
Ion Ratio Lower Upper
106 100
91 225.1 154.2 286.4

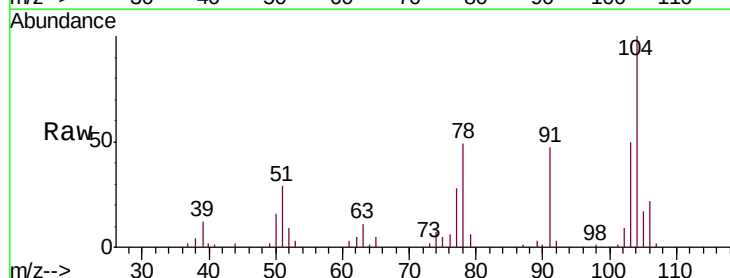


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

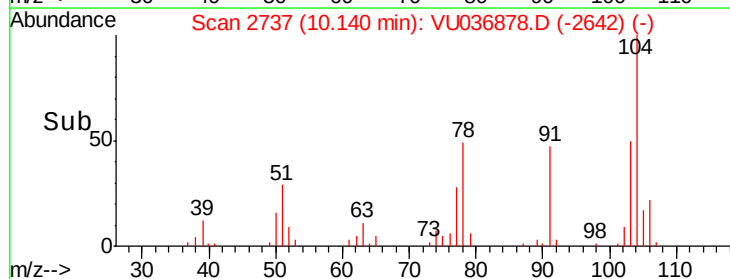
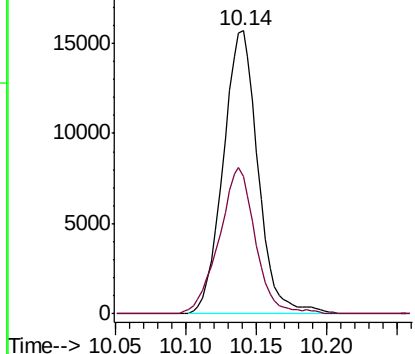


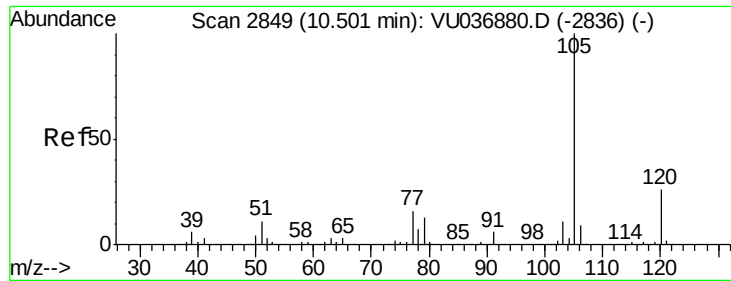
#55
Styrene
Concen: 4.595 ug/L
RT: 10.14 min Scan# 2737
Delta R.T. 0.01 min
Lab File: VU036878.D
Acq: 24 Feb 2020 12:30

Tgt Ion:104 Resp: 27086
Ion Ratio Lower Upper
104 100
78 48.5 33.0 61.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 4.850 ug/L

RT: 10.51 min Scan# 2851

Delta R.T. 0.01 min

Lab File: VU036878.D

Acq: 24 Feb 2020 12:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD00532

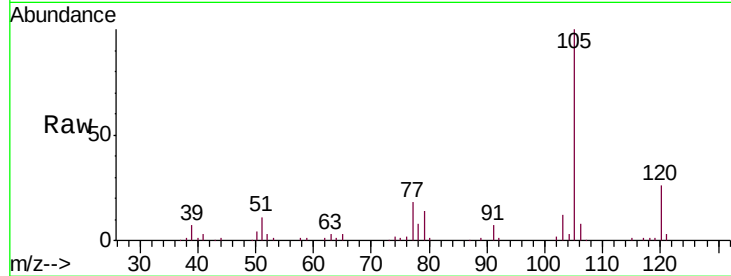
Tgt Ion: 105 Resp: 45226

Ion Ratio Lower Upper

105 100

120 26.2 20.5 30.7

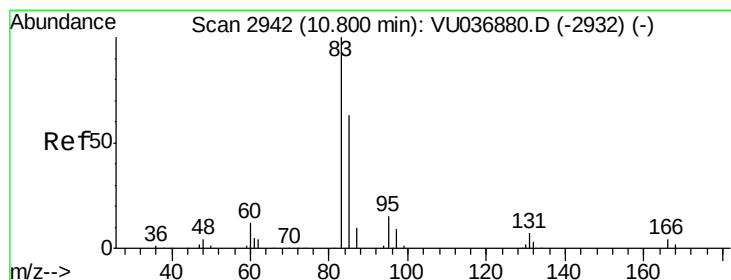
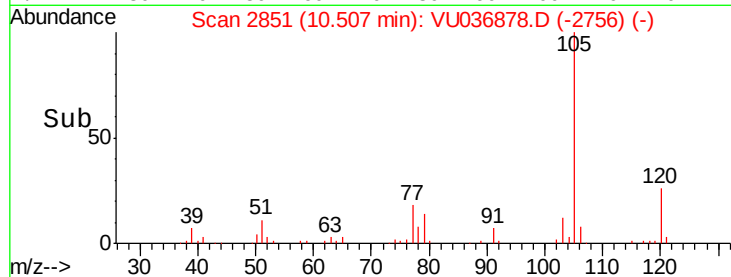
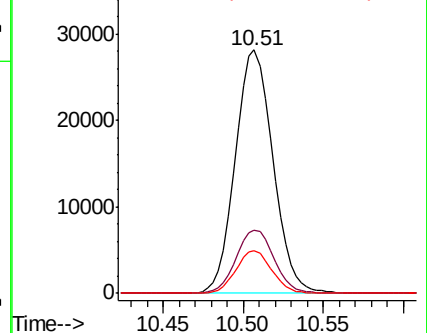
77 16.4 13.1 19.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.154 ug/L

RT: 10.81 min Scan# 2944

Delta R.T. 0.01 min

Lab File: VU036878.D

Acq: 24 Feb 2020 12:30

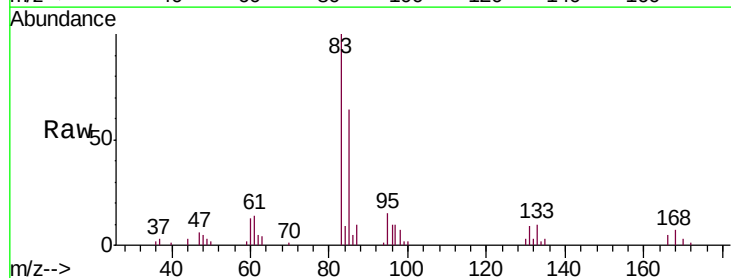
Tgt Ion: 83 Resp: 18290

Ion Ratio Lower Upper

83 100

85 64.0 45.5 84.5

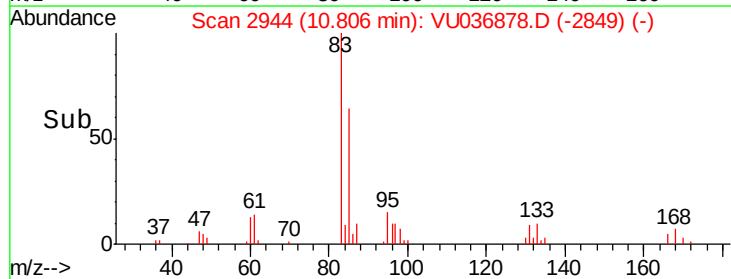
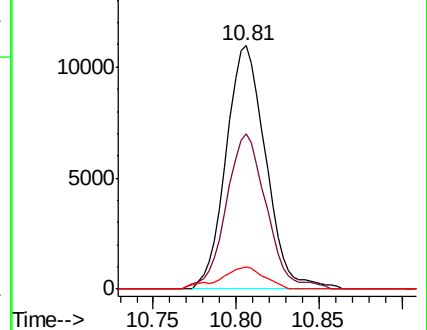
131 9.3 6.8 10.2

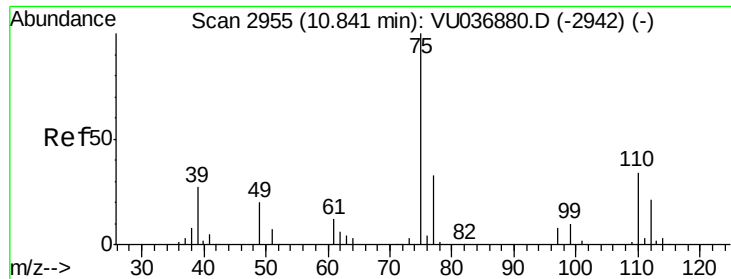


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 5.113 ug/L

RT: 10.85 min Scan# 2957

Delta R.T. 0.01 min

Lab File: VU036878.D

Acq: 24 Feb 2020 12:30

Instrument :

MSVOA_U

ClientSampleId :

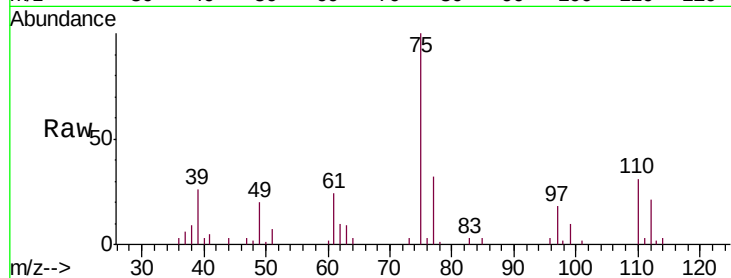
VSTD00532

Tgt Ion: 75 Resp: 15043

Ion Ratio Lower Upper

75 100

77 32.4 26.2 39.2

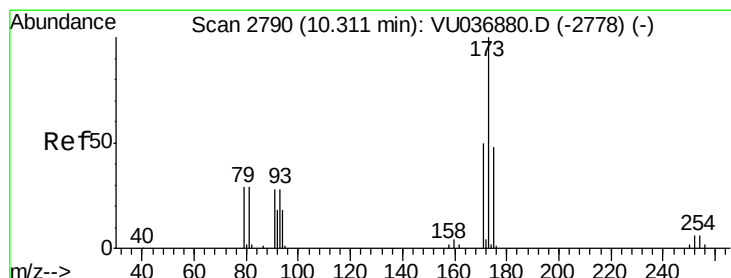
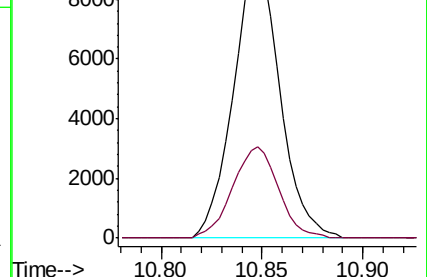
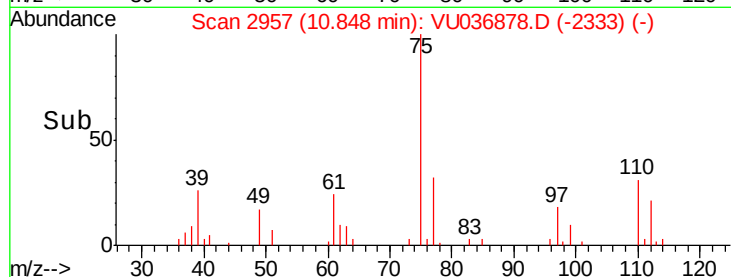


Abundance Ion 75.00 (74.70 to 75.70): VU036880.D (-2942) (-)

Ion 77.00 (76.70 to 77.70): VU036880.D (-2942) (-)

10.85

10.80 10.85 10.90



#61

Bromoform

Concen: 4.176 ug/L

RT: 10.32 min Scan# 2792

Delta R.T. 0.01 min

Lab File: VU036878.D

Acq: 24 Feb 2020 12:30

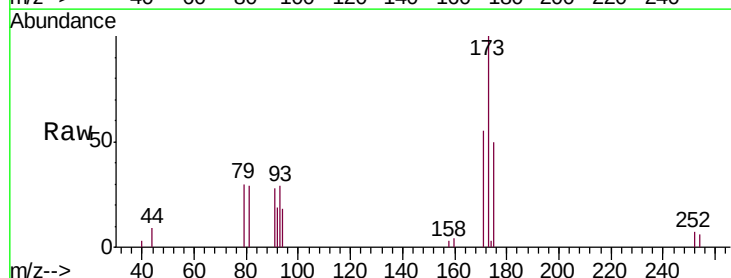
Tgt Ion: 173 Resp: 6013

Ion Ratio Lower Upper

173 100

175 48.1 39.0 58.6

254 4.4 4.6 6.8#



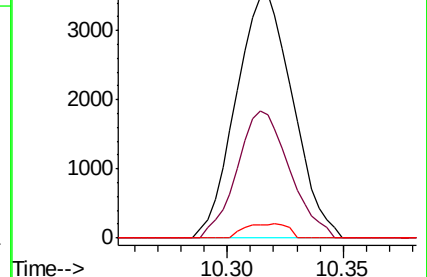
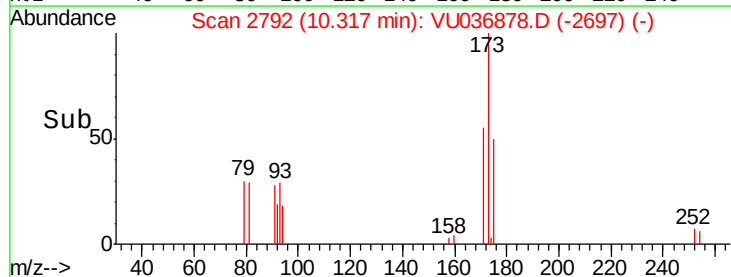
Abundance Ion 173.00 (172.70 to 173.70): VU036880.D (-2778) (-)

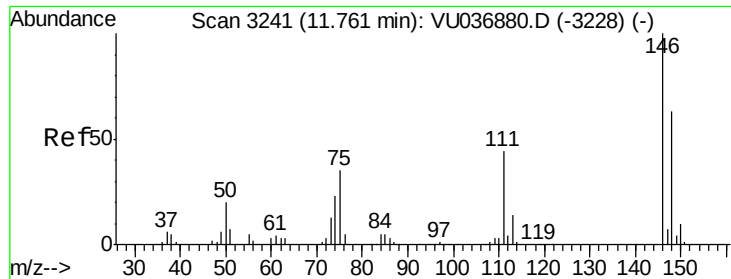
Ion 175.00 (174.70 to 175.70): VU036880.D (-2778) (-)

Ion 254.00 (253.70 to 254.70): VU036880.D (-2778) (-)

10.32

10.30 10.35

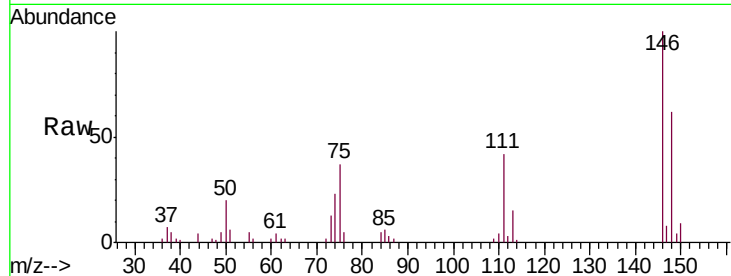




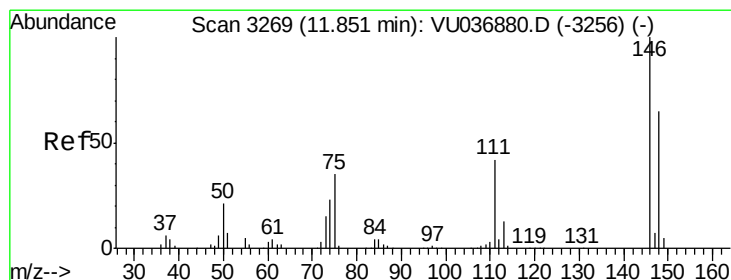
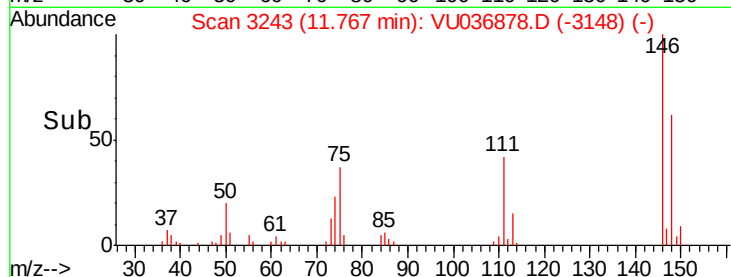
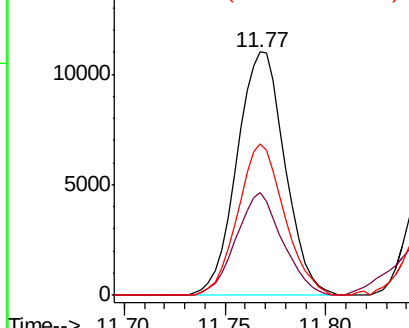
#62
 1,3-Dichlorobenzene
 Concen: 5.310 ug/L
 RT: 11.77 min Scan# 3243
 Delta R.T. 0.01 min
 Lab File: VU036878.D
 Acq: 24 Feb 2020 12:30

Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00532

Tgt Ion:146 Resp: 18335
 Ion Ratio Lower Upper
 146 100
 111 42.2 30.7 56.9
 148 62.3 44.2 82.2

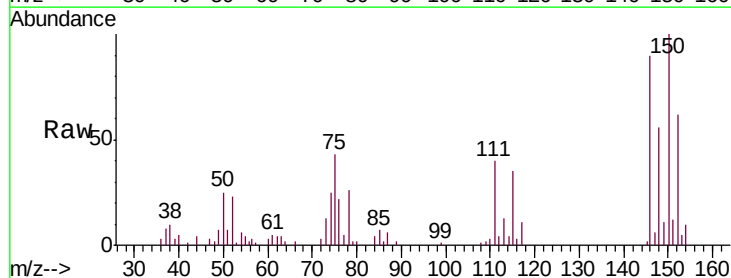


Abundance Ion 146.00 (145.70 to 146.70): V
 15000 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

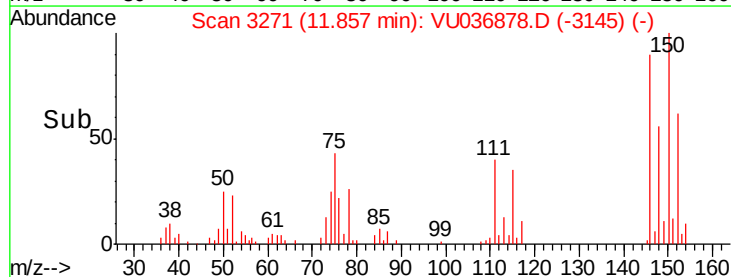
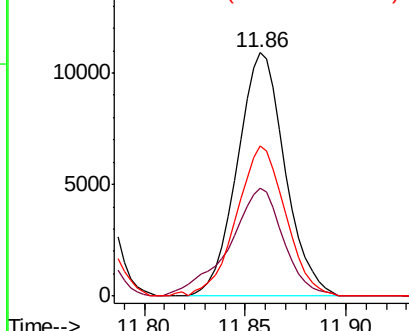


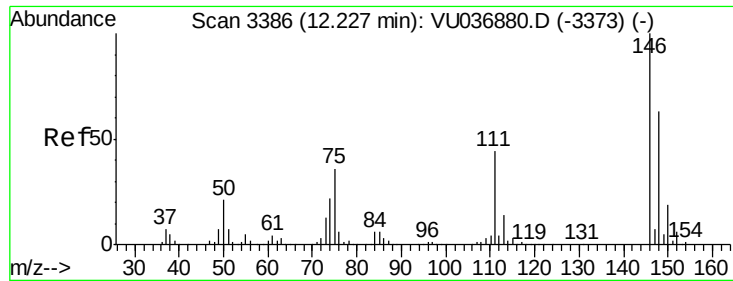
#63
 1,4-Dichlorobenzene
 Concen: 5.250 ug/L
 RT: 11.86 min Scan# 3271
 Delta R.T. 0.01 min
 Lab File: VU036878.D
 Acq: 24 Feb 2020 12:30

Tgt Ion:146 Resp: 18086
 Ion Ratio Lower Upper
 146 100
 111 44.5 29.8 55.4
 148 61.6 45.1 83.9



Abundance Ion 146.00 (145.70 to 146.70): V
 15000 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

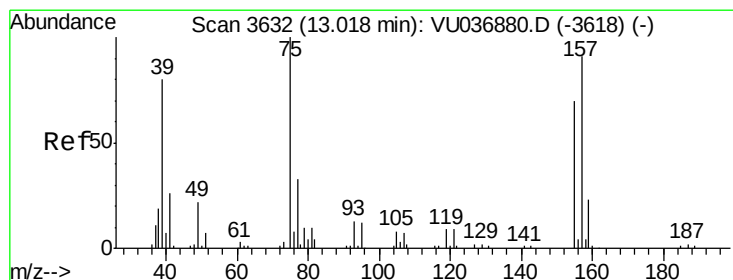
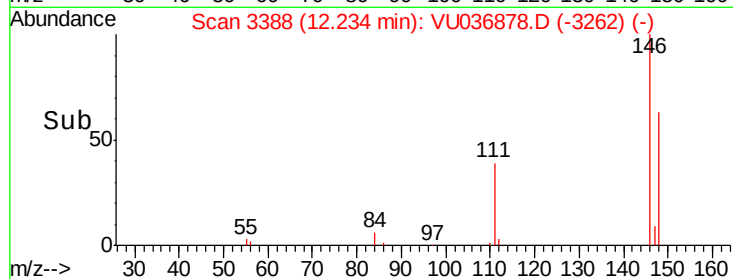
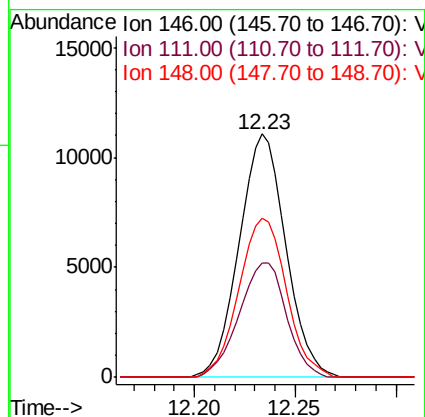
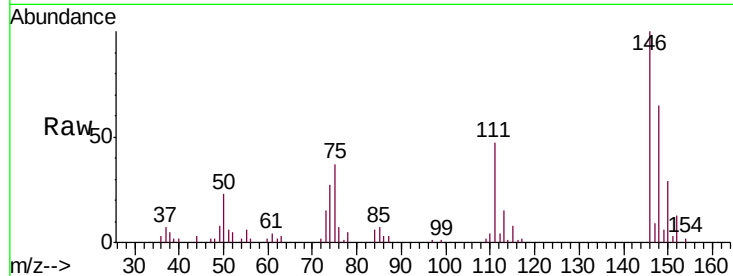




#65
 1,2-Dichlorobenzene
 Concen: 5.251 ug/L
 RT: 12.23 min Scan# 3386
 Delta R.T. 0.01 min
 Lab File: VU036878.D
 Acq: 24 Feb 2020 12:30

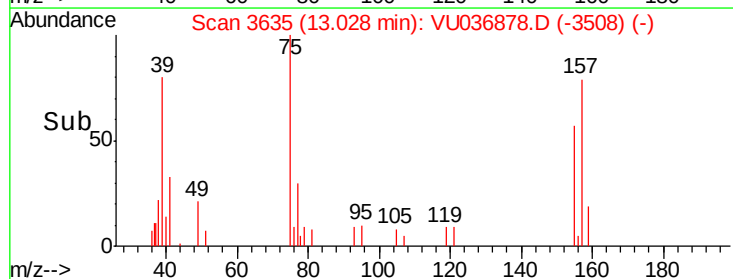
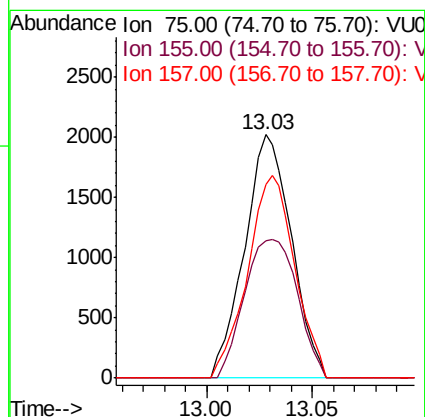
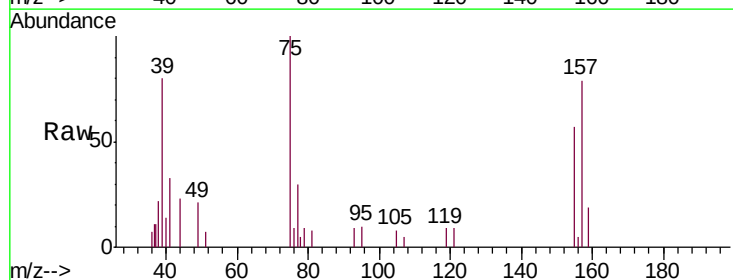
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00532

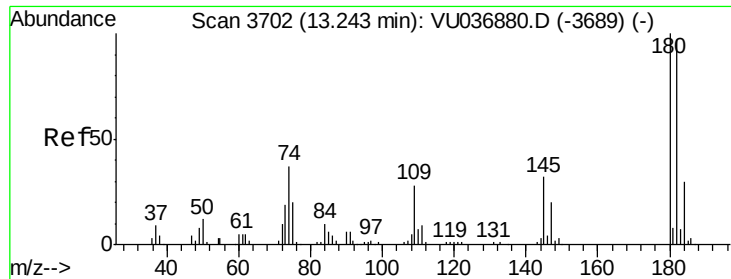
Tgt Ion: 146 Resp: 17914
 Ion Ratio Lower Upper
 146 100
 111 46.7 35.4 53.0
 148 65.2 50.5 75.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.185 ug/L
 RT: 13.03 min Scan# 3635
 Delta R.T. 0.01 min
 Lab File: VU036878.D
 Acq: 24 Feb 2020 12:30

Tgt Ion: 75 Resp: 3114
 Ion Ratio Lower Upper
 75 100
 155 56.7 55.7 83.5
 157 79.4 73.0 109.6

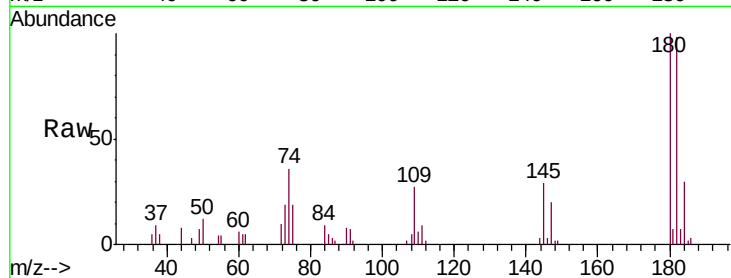




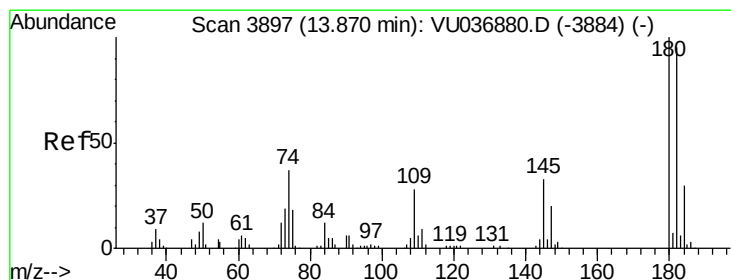
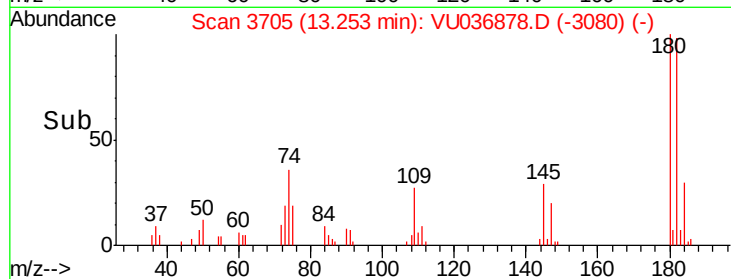
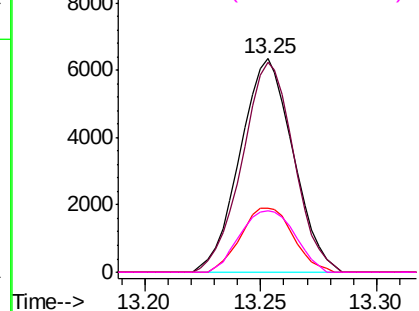
#67
 1,3,5-Trichlorobenzene
 Concen: 4.774 ug/L
 RT: 13.25 min Scan# 3705
 Delta R.T. 0.01 min
 Lab File: VU036878.D
 Acq: 24 Feb 2020 12:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00532

Tgt Ion:	180	Resp:	10103
Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.9	115.3
184	29.6	24.2	36.2
145	29.9	25.3	37.9

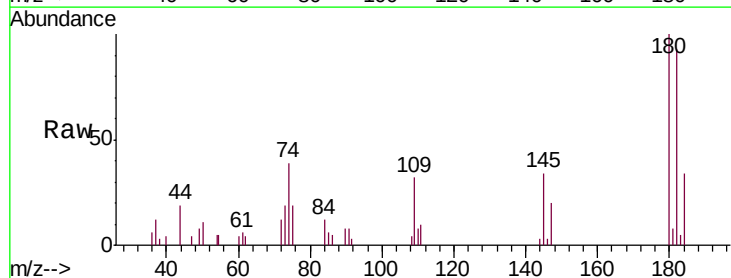


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

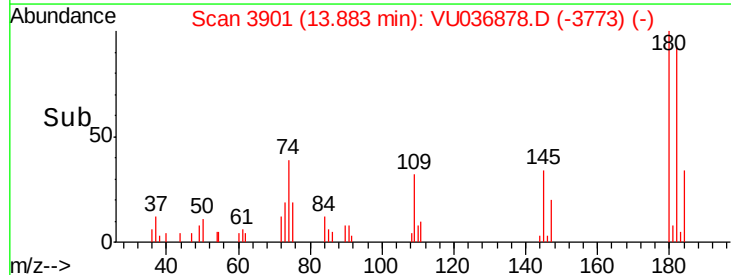
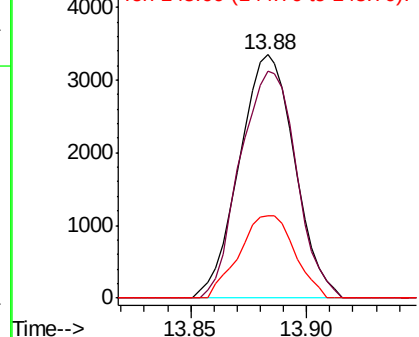


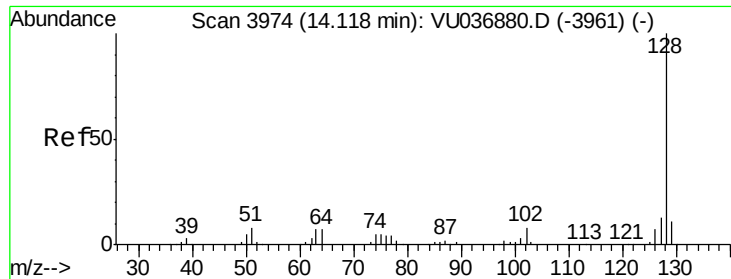
#68
 1,2,4-trichlorobenzene
 Concen: 3.531 ug/L
 RT: 13.88 min Scan# 3901
 Delta R.T. 0.01 min
 Lab File: VU036878.D
 Acq: 24 Feb 2020 12:30

Tgt Ion:	180	Resp:	5561
Ion	Ratio	Lower	Upper
180	100		
182	94.5	75.3	112.9
145	33.6	26.2	39.4



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





#69

Naphthalene

Concen: 2.060 ug/L

RT: 14.13 min Scan# 3978

Delta R.T. 0.01 min

Lab File: VU036878.D

Acq: 24 Feb 2020 12:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD00532

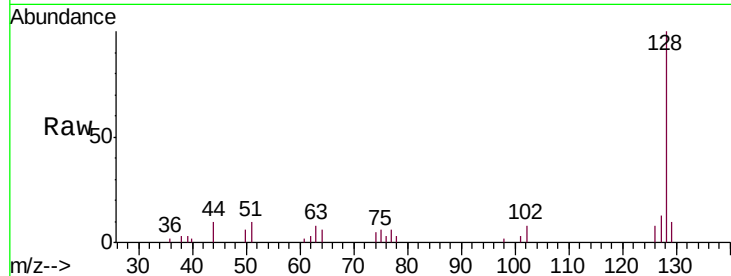
Tgt Ion:128 Resp: 9840

Ion Ratio Lower Upper

128 100

127 13.3 11.0 16.4

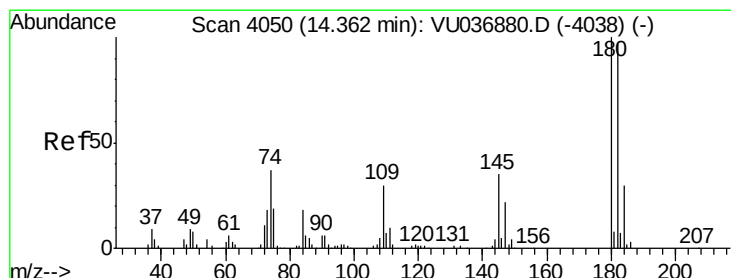
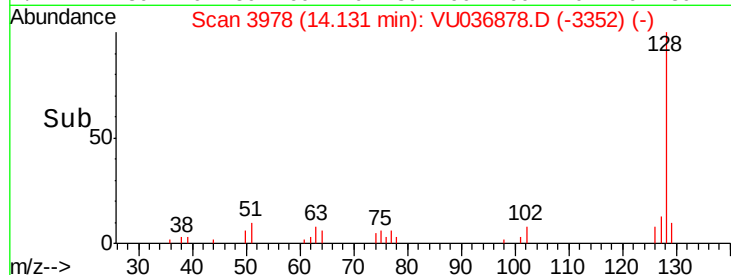
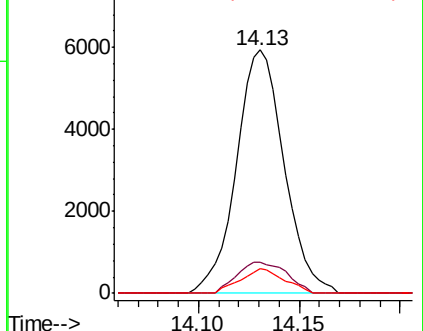
129 9.2 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 3.428 ug/L

RT: 14.37 min Scan# 4054

Delta R.T. 0.01 min

Lab File: VU036878.D

Acq: 24 Feb 2020 12:30

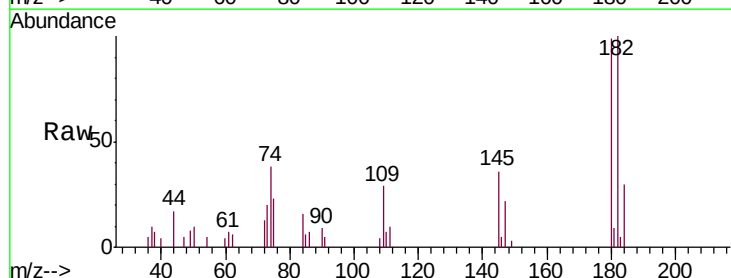
Tgt Ion:180 Resp: 5596

Ion Ratio Lower Upper

180 100

182 99.1 77.0 115.6

145 31.9 28.1 42.1



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

