

Data File : VU036879.D
Acq On : 24 Feb 2020 12:52
Operator : JC/MD
Sample : VSTD01033
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD01033

Quant Time: Feb 25 00:32:19 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	6.28	114	299910	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	278689	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	114215	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	23153	11.11	ug/L	0.00
7) Chloroethane-d5	1.93	69	19038	10.67	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	37942	9.84	ug/L	0.00
21) 2-Butanone-d5	4.67	46	30089	17.69	ug/L	0.00
24) Chloroform-d	5.11	84	34158	8.79	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	24319	9.39	ug/L	0.00
32) Benzene-d6	5.76	84	74176	9.89	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.73	67	23742	9.73	ug/L	0.00
41) Toluene-d8	7.93	98	67302	9.52	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	10122	7.93	ug/L	0.00
47) 2-Hexanone-d5	8.66	63	22369	18.15	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	33043	9.16	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	20420	9.08	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	23446	8.601 ug/L	99
3) Chloromethane	1.54	50	27284	10.660 ug/L	99
5) Vinyl chloride	1.62	62	27759	10.748 ug/L	97
6) Bromomethane	1.87	94	13658	9.080 ug/L	97
8) Chloroethane	1.95	64	17368	11.289 ug/L	99
9) Trichlorofluoromethane	2.16	101	29445	8.823 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	18052	10.018 ug/L	100
12) 1,1-Dichloroethene	2.61	96	17837	9.933 ug/L	90
13) Acetone	2.66	43	34179	18.836 ug/L	99
14) Carbon disulfide	2.82	76	56079	9.665 ug/L	98
15) Methyl Acetate	2.98	43	24982	10.173 ug/L	100
16) Methylene chloride	3.08	84	22248	10.079 ug/L	98
17) trans-1,2-Dichloroethene	3.39	96	19481	9.891 ug/L	96
18) Methyl tert-butyl Ether	3.40	73	62063	9.362 ug/L	99
19) 1,1-Dichloroethane	3.92	63	37210	9.980 ug/L	95
20) cis-1,2-Dichloroethene	4.71	96	21640	9.694 ug/L	96
22) 2-Butanone	4.75	43	39530	19.061 ug/L	98
23) Bromochloromethane	5.02	128	9716	9.074 ug/L	91
25) Chloroform	5.13	83	36504	9.349 ug/L	97
27) 1,2-Dichloroethane	5.83	62	29750	9.558 ug/L	100
29) Cyclohexane	5.43	56	33980	9.932 ug/L	97
30) 1,1,1-Trichloroethane	5.36	97	27925	8.625 ug/L	98
31) Carbon tetrachloride	5.56	117	21036	7.760 ug/L	99
33) Benzene	5.81	78	82249	10.087 ug/L	100
34) Trichloroethene	6.57	95	20183	9.361 ug/L	98
35) Methylcyclohexane	6.79	83	34552	10.122 ug/L	98
37) 1,2-Dichloropropane	6.83	63	22855	10.567 ug/L	# 94
38) Bromodichloromethane	7.14	83	25924	8.983 ug/L	96
39) cis-1,3-Dichloropropene	7.64	75	32583	9.392 ug/L	100
40) 4-Methyl-2-pentanone	7.82	43	65089	18.874 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	89351	10.126	ug/L	98
44) trans-1,3-Dichloropropene	8.24	75	28471	9.000	ug/L	100
45) 1,1,2-Trichloroethane	8.43	97	20072	9.823	ug/L	95
46) Tetrachloroethene	8.57	164	13831	9.604	ug/L	94
48) 2-Hexanone	8.71	43	50997	18.562	ug/L	97
49) Dibromochloromethane	8.83	129	18006	8.211	ug/L	99
50) 1,2-Dibromoethane	8.95	107	20015	8.825	ug/L	99
51) Chlorobenzene	9.47	112	51605	9.433	ug/L	97
52) Ethylbenzene	9.59	91	93079	9.522	ug/L	100
53) m,p-Xylene	9.71	106	33493	9.179	ug/L	93
54) o-xylene	10.12	106	33843	9.293	ug/L	96
55) Styrene	10.13	104	53307	9.051	ug/L	98
56) Isopropylbenzene	10.50	105	87309	9.371	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	35272	9.947	ug/L	98
59) 1,2,3-Trichloropropane	10.84	75	28870	9.821	ug/L	99
61) Bromoform	10.31	173	11789	7.823	ug/L	98
62) 1,3-Dichlorobenzene	11.76	146	34704	9.603	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	34094	9.457	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	35217	9.864	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	6802	8.734	ug/L	95
67) 1,3,5-Trichlorobenzene	13.24	180	20438	9.227	ug/L	100
68) 1,2,4-trichlorobenzene	13.87	180	13649	8.281	ug/L	95
69) Naphthalene	14.12	128	22587	4.518	ug/L	96
70) 1,2,3-Trichlorobenzene	14.37	180	14106	8.257	ug/L	97

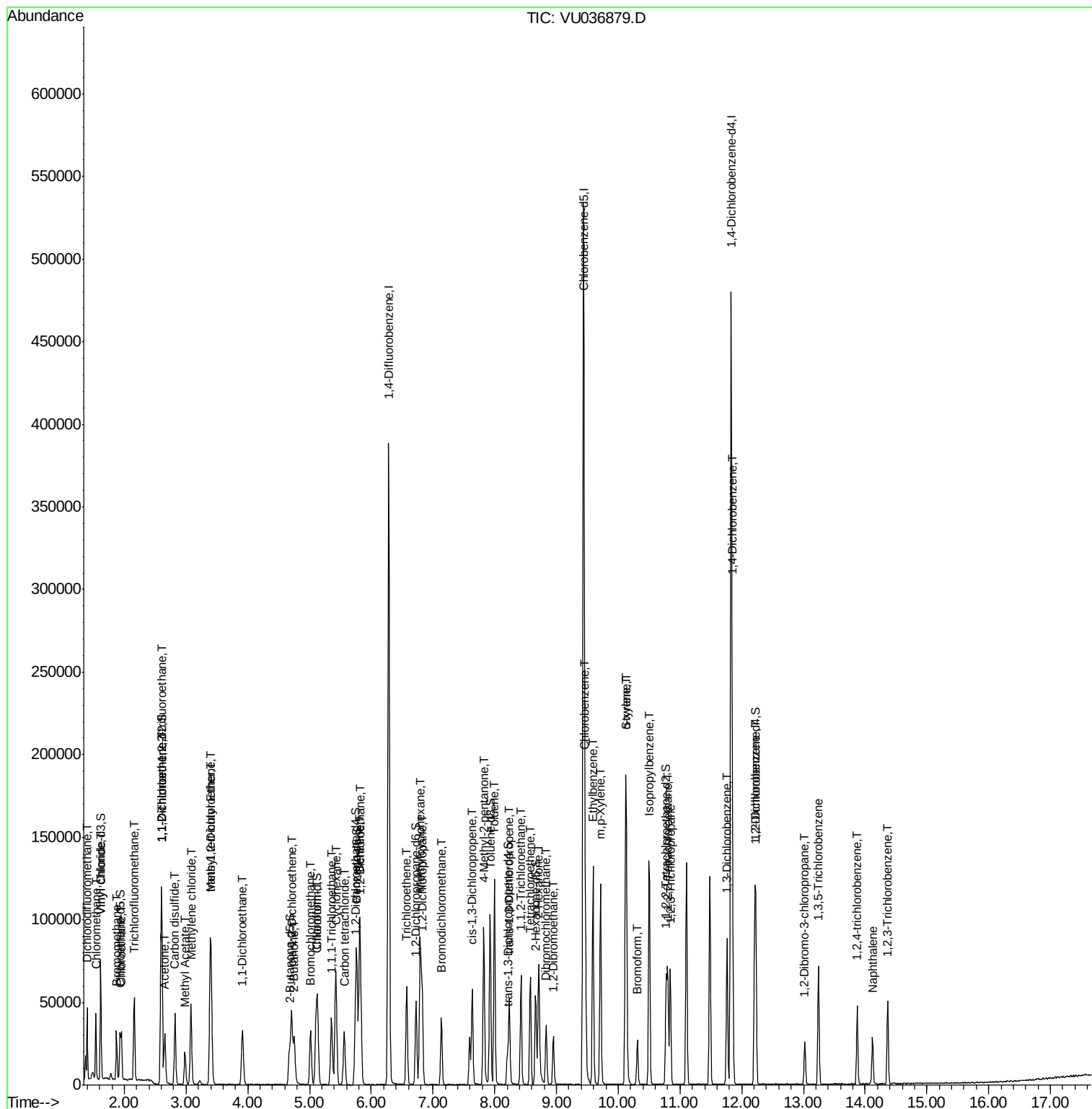
(#) = qualifier out of range (m) = manual integration (+) = signals summed

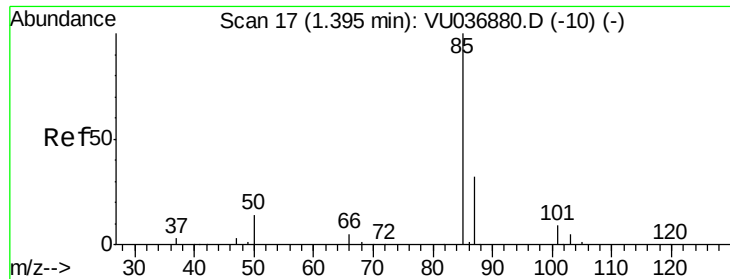
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#2

Dichlorodifluoromethane

Concen: 8.601 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU036879.D

Acq: 24 Feb 2020 12:52

Instrument :

MSVOA_U

ClientSampleId :

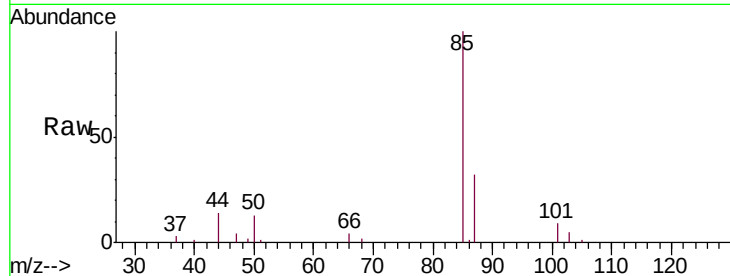
VSTD01033

Tgt Ion: 85 Resp: 23446

Ion Ratio Lower Upper

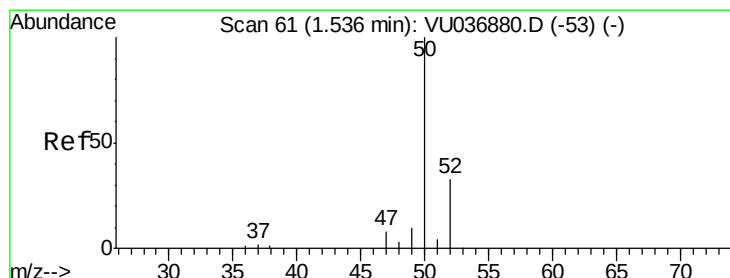
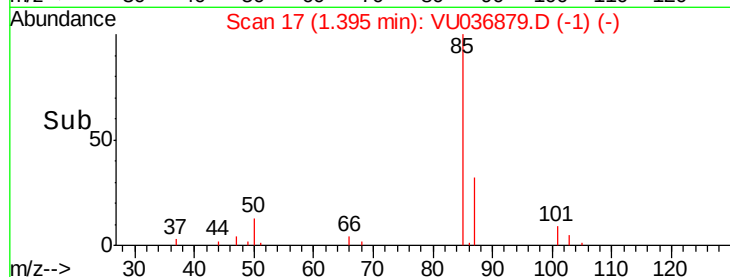
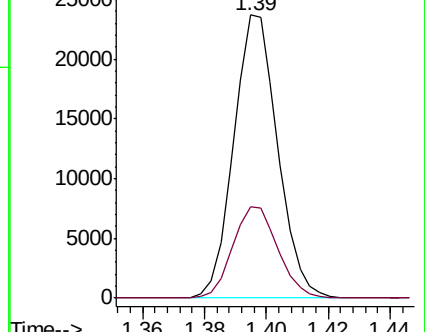
85 100

87 33.1 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU036880.D (-10) (-)

Ion 87.00 (86.70 to 87.70): VU036880.D (-10) (-)



#3

Chloromethane

Concen: 10.660 ug/L

RT: 1.54 min Scan# 62

Delta R.T. 0.00 min

Lab File: VU036879.D

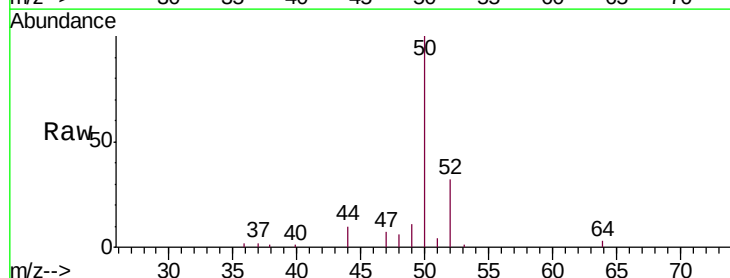
Acq: 24 Feb 2020 12:52

Tgt Ion: 50 Resp: 27284

Ion Ratio Lower Upper

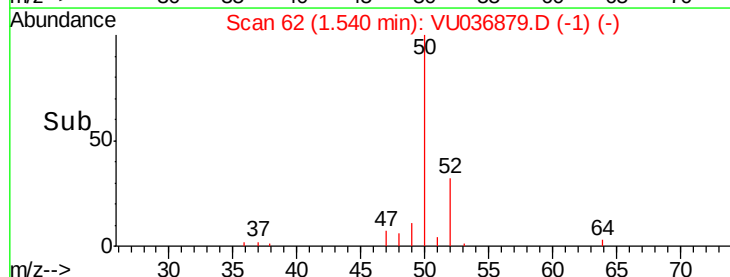
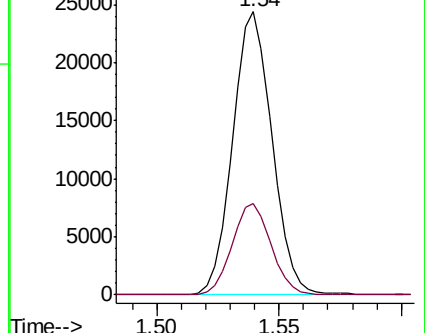
50 100

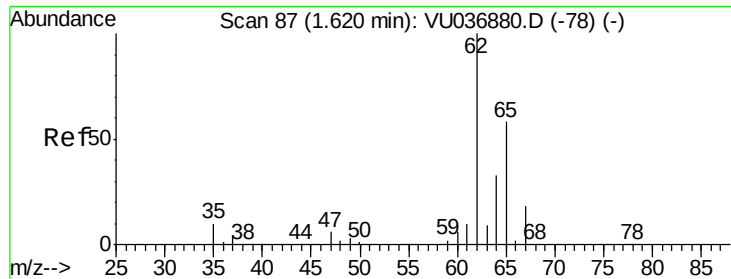
52 32.2 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU036880.D (-53) (-)

Ion 52.00 (51.70 to 52.70): VU036880.D (-53) (-)





#5

Vinyl chloride

Concen: 10.748 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU036879.D

Acq: 24 Feb 2020 12:52

Instrument :

MSVOA_U

ClientSampleId :

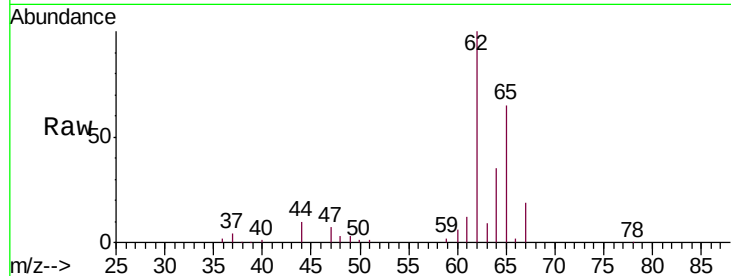
VSTD01033

Tgt Ion: 62 Resp: 27759

Ion Ratio Lower Upper

62 100

64 34.7 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VU036880.D (-78) (-)

Ion 64.00 (63.70 to 64.70): VU036880.D (-78) (-)

1.62

25000

20000

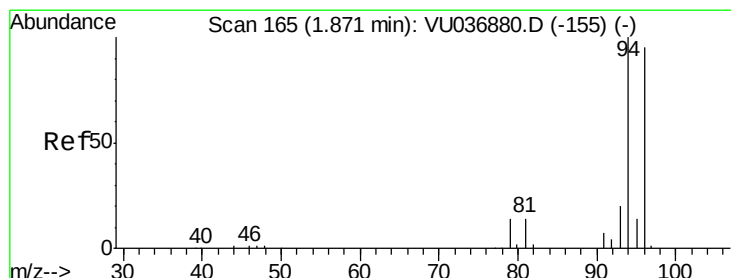
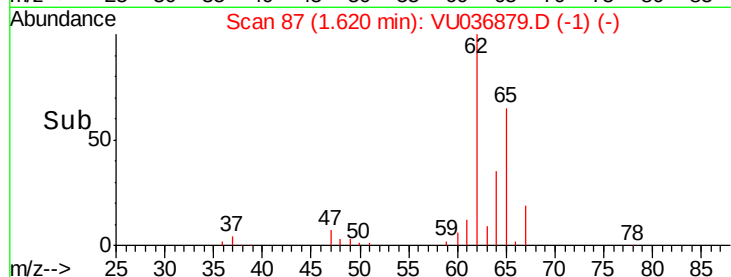
15000

10000

5000

0

Time-->



#6

Bromomethane

Concen: 9.080 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU036879.D

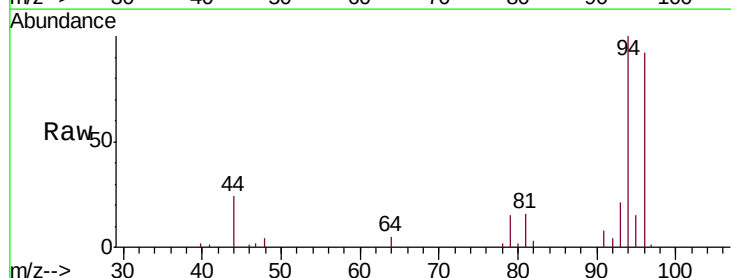
Acq: 24 Feb 2020 12:52

Tgt Ion: 94 Resp: 13658

Ion Ratio Lower Upper

94 100

96 91.7 66.1 122.8



Abundance Ion 94.00 (93.70 to 94.70): VU036880.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU036880.D (-155) (-)

12000

10000

8000

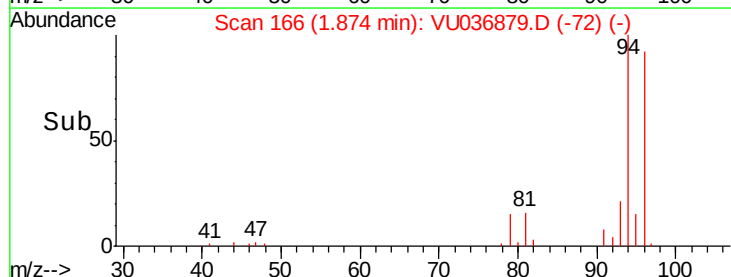
6000

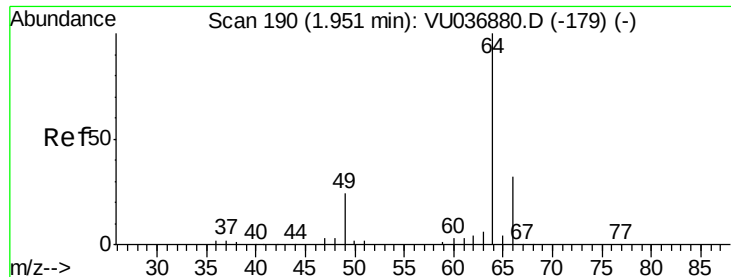
4000

2000

0

Time-->





#8

Chloroethane

Concen: 11.289 ug/L

RT: 1.95 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU036879.D

Acq: 24 Feb 2020 12:52

Instrument :

MSVOA_U

ClientSampleId :

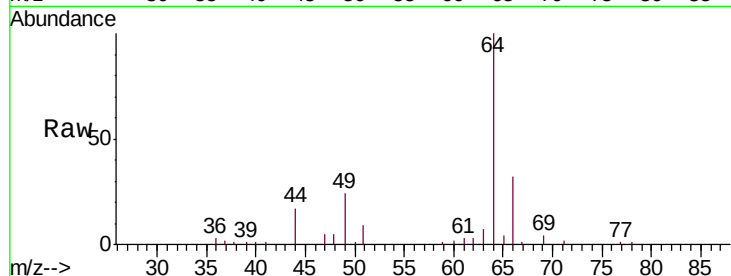
VSTD01033

Tgt Ion: 64 Resp: 17368

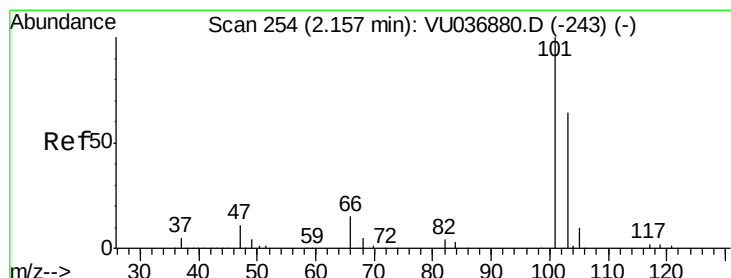
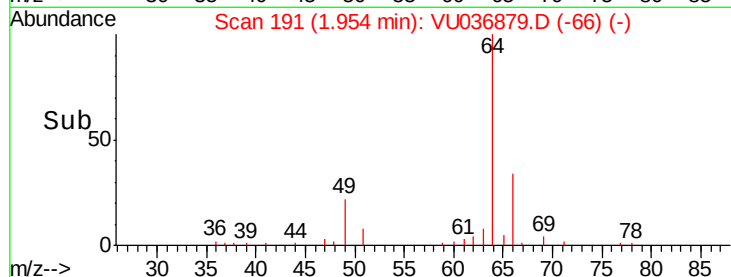
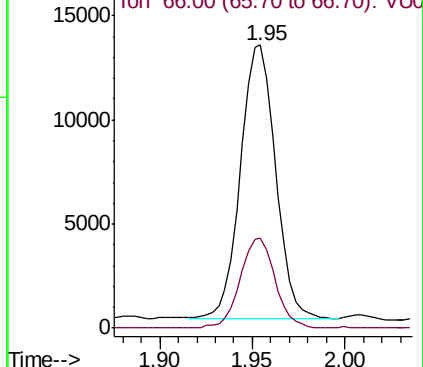
Ion Ratio Lower Upper

64 100

66 31.8 22.5 41.9



Abundance Ion 64.00 (63.70 to 64.70): VU036880.D (-179) (-)



#9

Trichlorofluoromethane

Concen: 8.823 ug/L

RT: 2.16 min Scan# 255

Delta R.T. 0.00 min

Lab File: VU036879.D

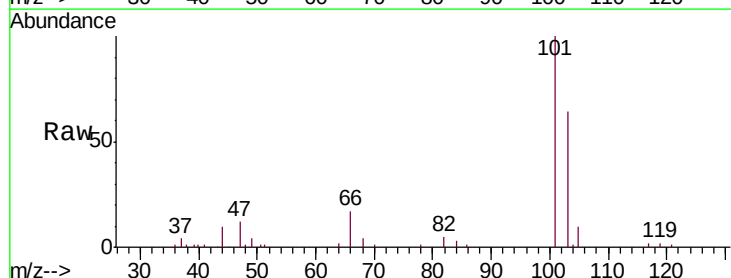
Acq: 24 Feb 2020 12:52

Tgt Ion: 101 Resp: 29445

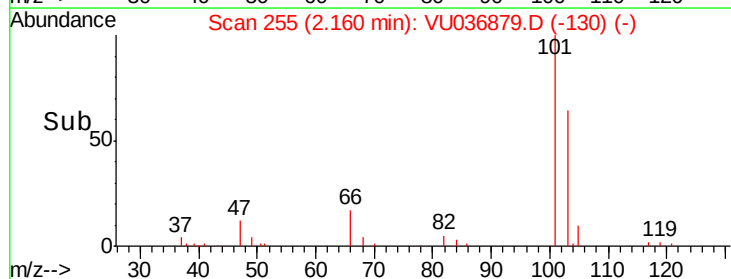
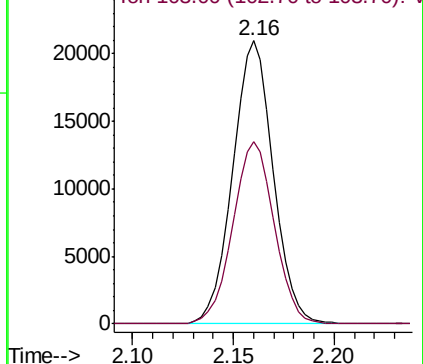
Ion Ratio Lower Upper

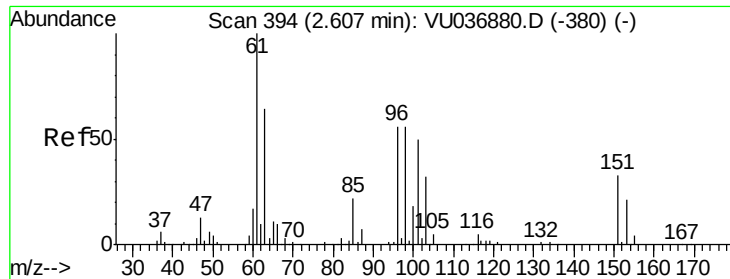
101 100

103 65.7 50.9 76.3



Abundance Ion 101.00 (100.70 to 101.70): VU036880.D (-243) (-)





#10

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

Concen: 10.018 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036879.D

Acq: 24 Feb 2020 12:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD01033

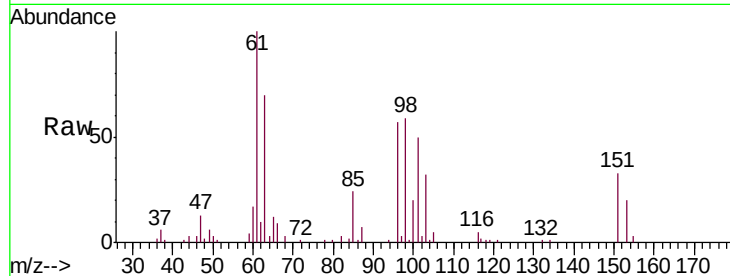
Tgt Ion: 101 Resp: 18052

Ion Ratio Lower Upper

101 100

85 44.9 36.4 54.6

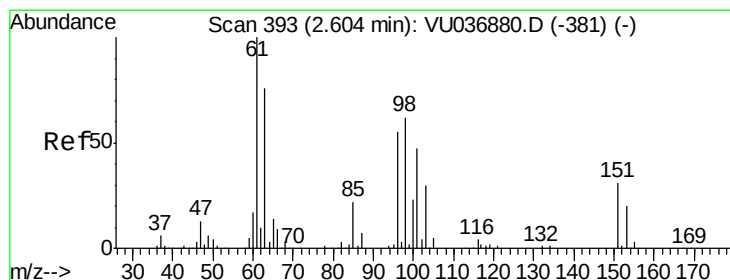
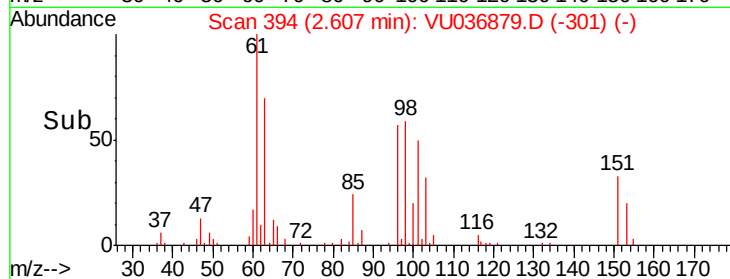
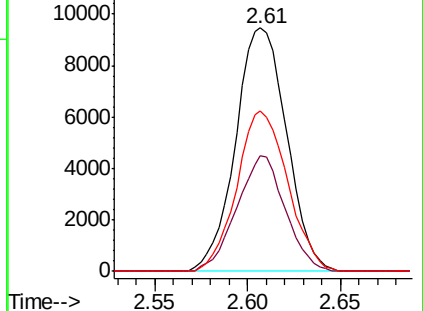
151 65.6 52.4 78.6



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: 9.933 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036879.D

Acq: 24 Feb 2020 12:52

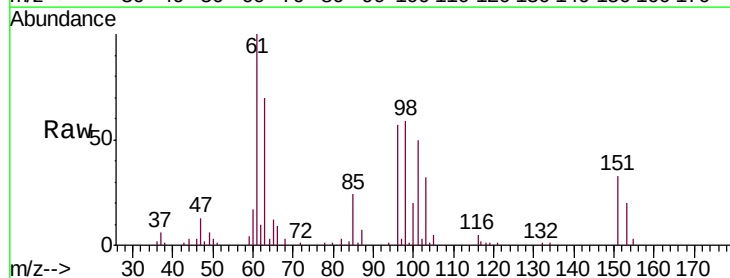
Tgt Ion: 96 Resp: 17837

Ion Ratio Lower Upper

96 100

61 175.6 127.5 236.7

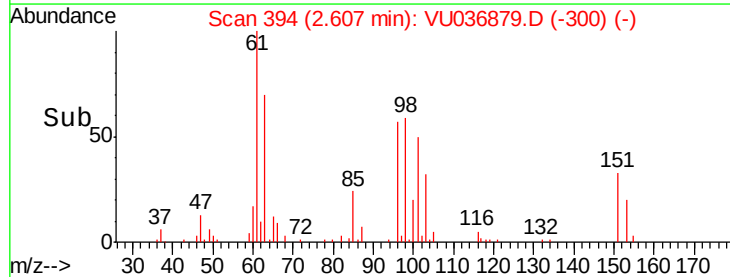
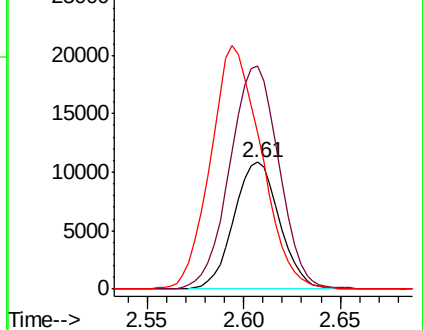
63 123.1 101.4 188.2

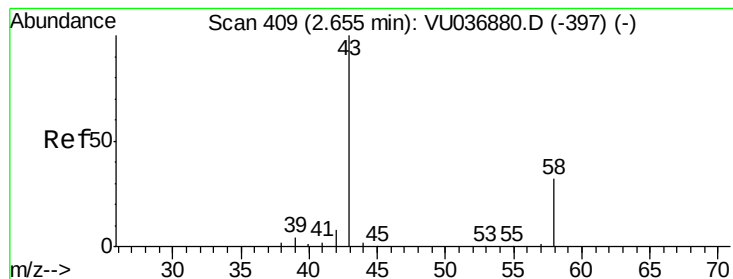


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 18.836 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU036879.D

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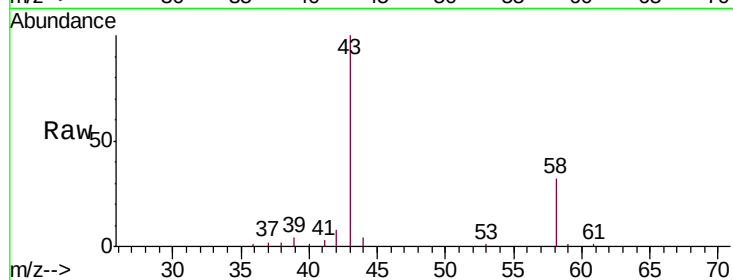
VSTD01033

Tgt Ion: 43 Resp: 34179

Ion Ratio Lower Upper

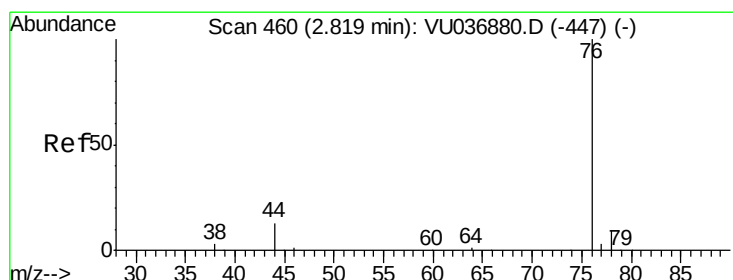
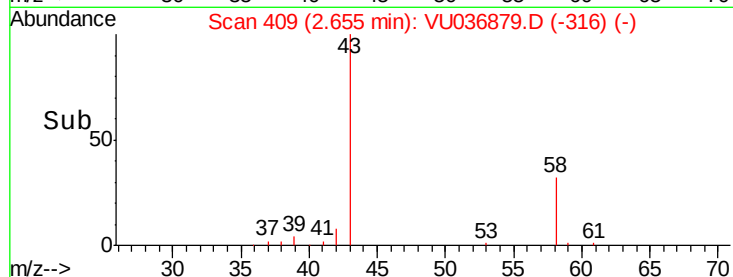
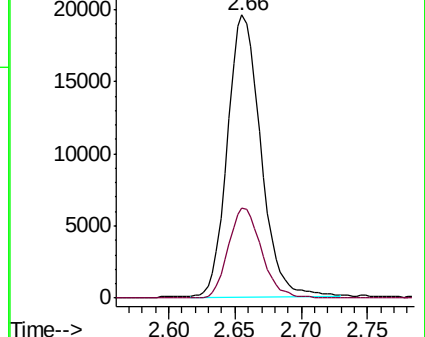
43 100

58 31.6 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VU036880.D (-397) (-)

Ion 58.00 (57.70 to 58.70): VU036880.D (-397) (-)



#14

Carbon disulfide

Concen: 9.665 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU036879.D

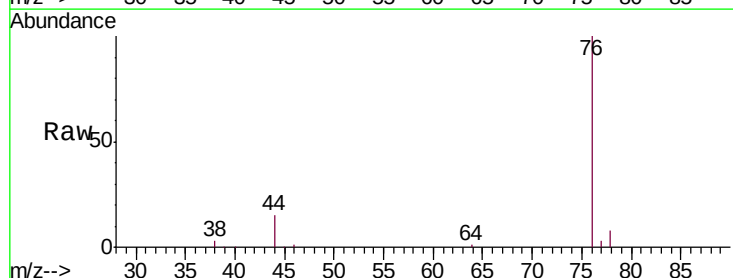
Acq: 24 Feb 2020 12:52

Tgt Ion: 76 Resp: 56079

Ion Ratio Lower Upper

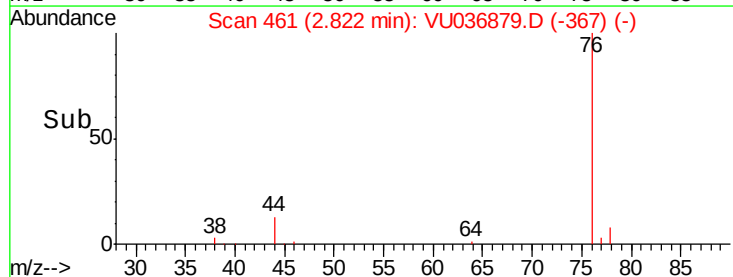
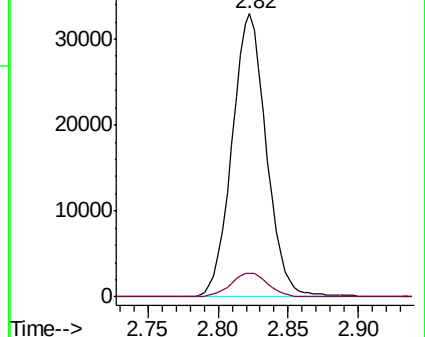
76 100

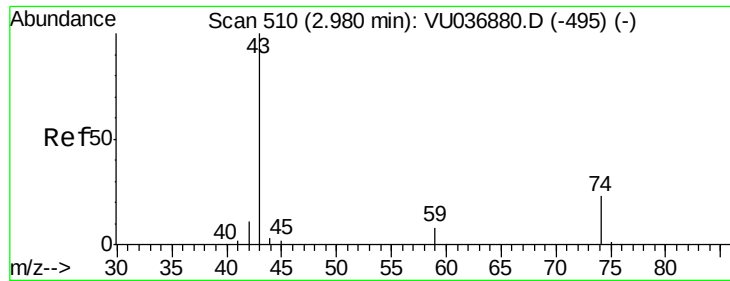
78 8.3 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU036880.D (-447) (-)

Ion 78.00 (77.70 to 78.70): VU036880.D (-447) (-)

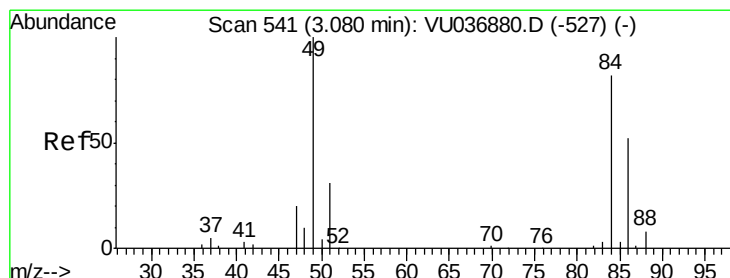
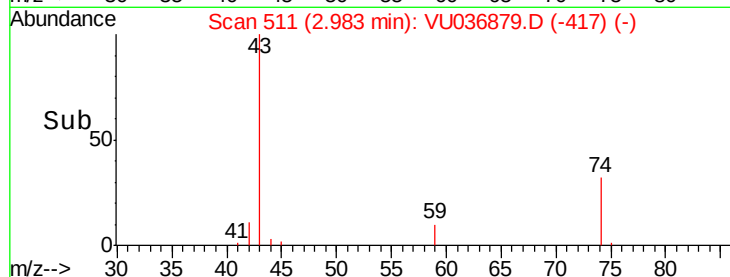
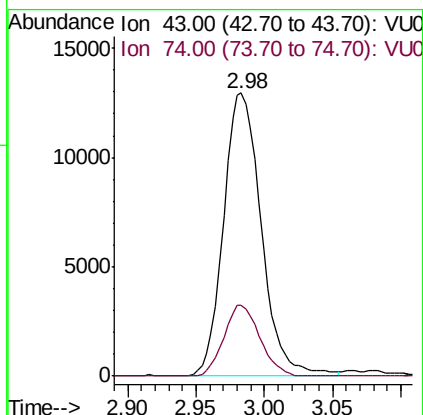
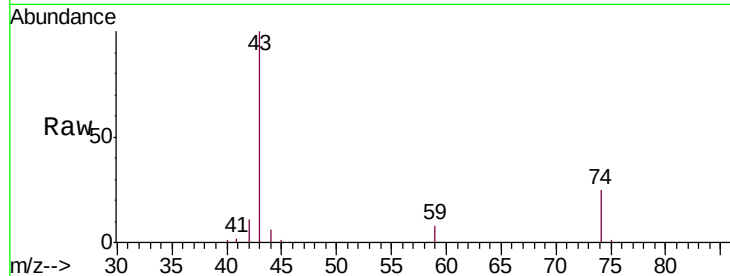




#15
Methyl Acetate
Concen: 10.173 ug/L
RT: 2.98 min Scan# 511
Delta R.T. 0.00 min
Lab File: VU036879.D
Acq: 24 Feb 2020 12:52

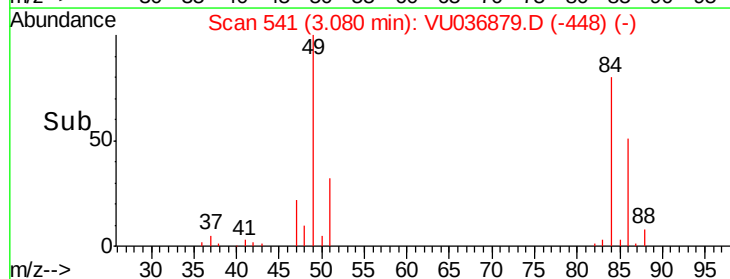
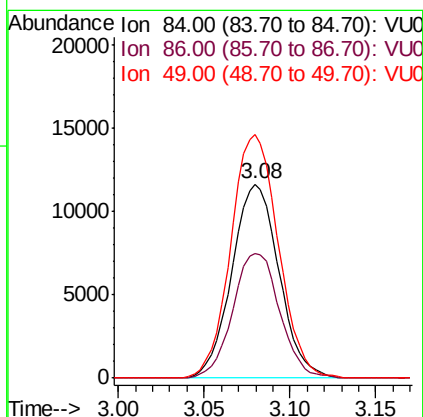
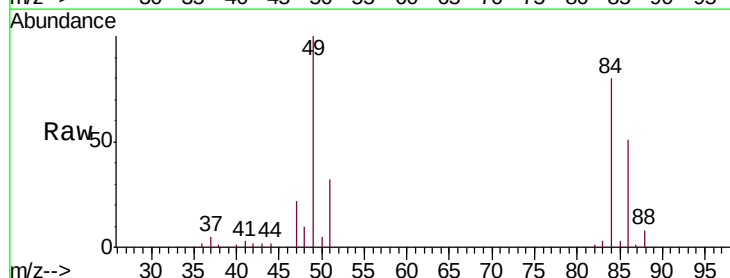
Instrument :
MSVOA_U
ClientSampleId :
VSTD01033

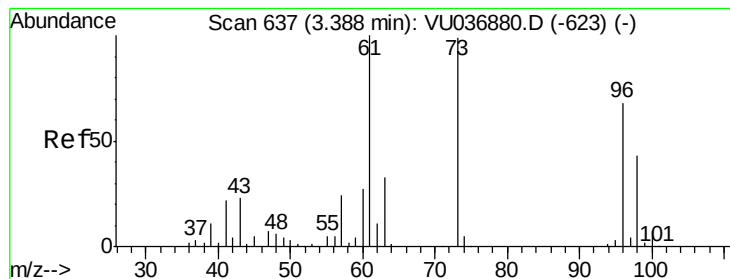
Tgt Ion: 43 Resp: 24982
Ion Ratio Lower Upper
43 100
74 23.8 19.0 28.4



#16
Methylene chloride
Concen: 10.079 ug/L
RT: 3.08 min Scan# 541
Delta R.T. 0.00 min
Lab File: VU036879.D
Acq: 24 Feb 2020 12:52

Tgt Ion: 84 Resp: 22248
Ion Ratio Lower Upper
84 100
86 64.5 44.4 82.5
49 125.5 85.9 159.5





#17

trans-1,2-Dichloroethene

Concen: 9.891 ug/L

RT: 3.39 min Scan# 638

Delta R.T. 0.00 min

Lab File: VU036879.D

Acq: 24 Feb 2020 12:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD01033

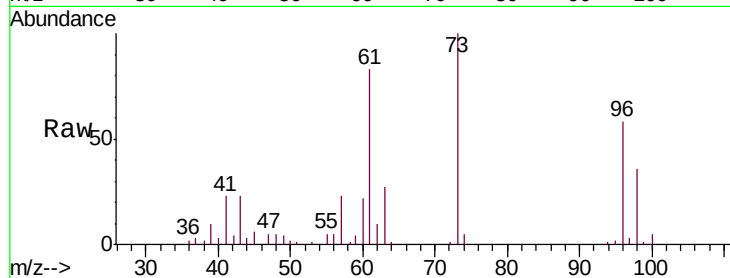
Tgt Ion: 96 Resp: 19481

Ion Ratio Lower Upper

96 100

61 142.2 103.8 192.8

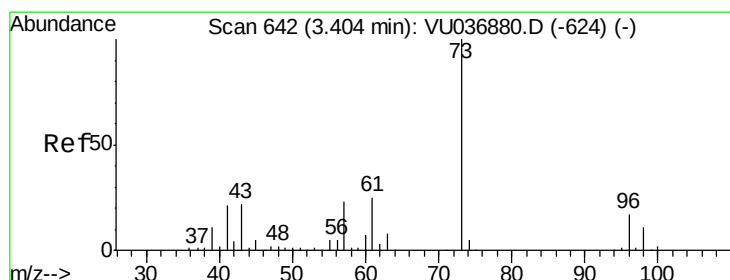
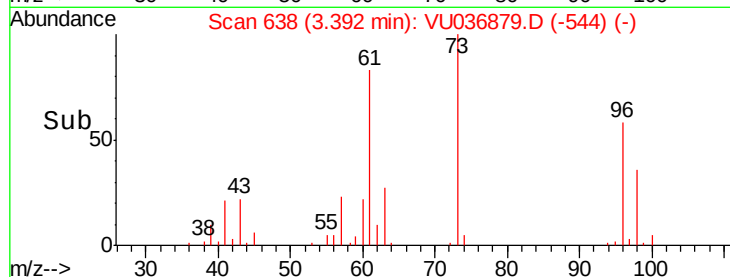
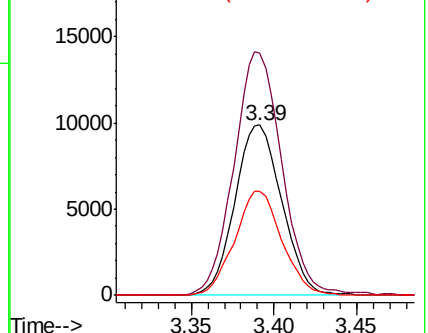
98 61.3 44.2 82.2



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#18

Methyl tert-butyl Ether

Concen: 9.362 ug/L

RT: 3.40 min Scan# 642

Delta R.T. 0.00 min

Lab File: VU036879.D

Acq: 24 Feb 2020 12:52

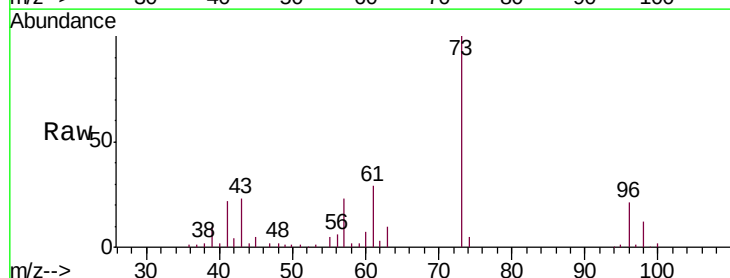
Tgt Ion: 73 Resp: 62063

Ion Ratio Lower Upper

73 100

43 22.9 18.1 27.1

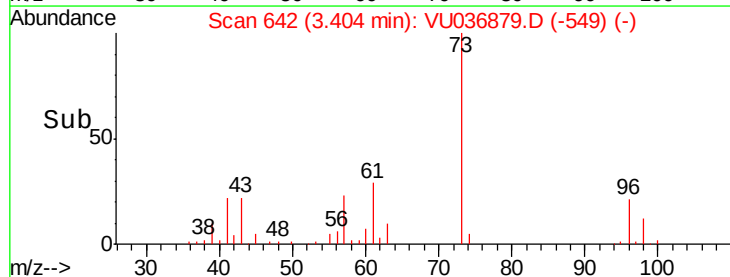
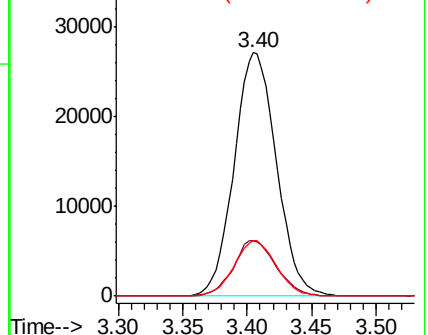
57 22.6 18.4 27.6

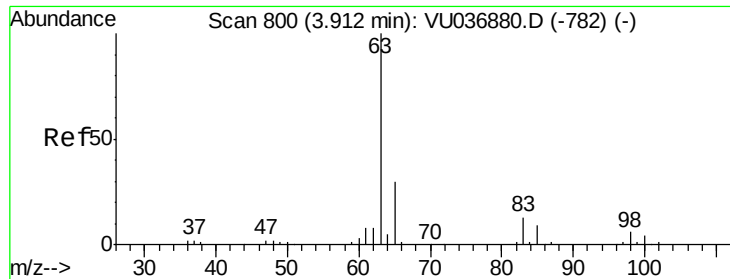


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

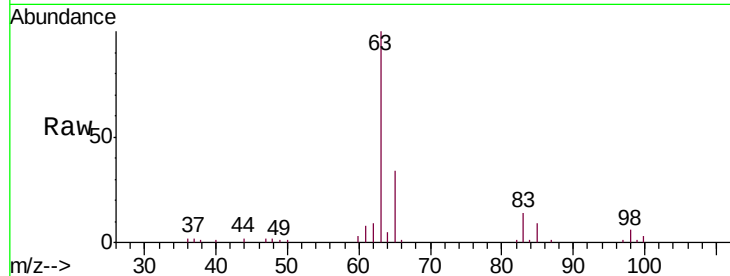




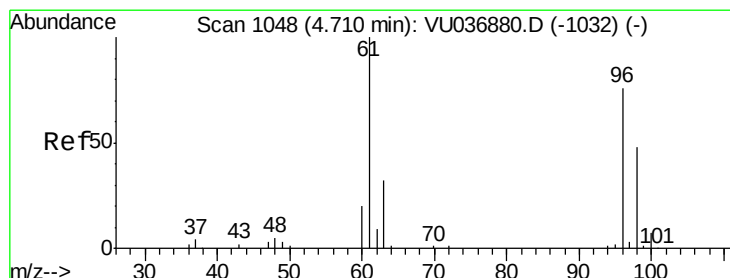
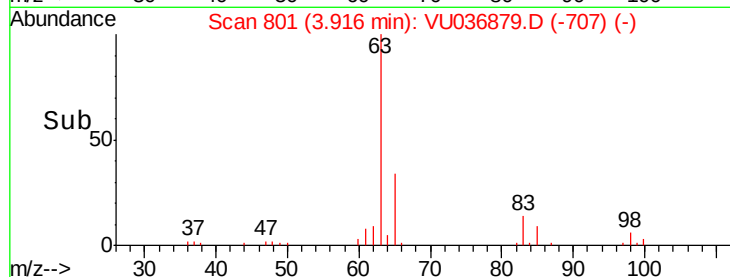
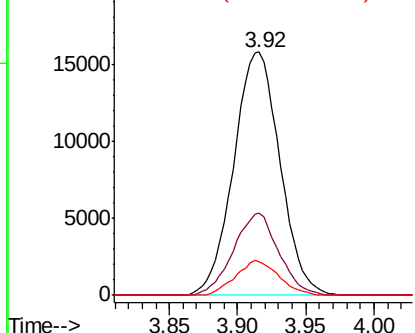
#19
 1,1-Dichloroethane
 Concen: 9.980 ug/L
 RT: 3.92 min Scan# 801
 Delta R.T. 0.00 min
 Lab File: VU036879.D
 Acq: 24 Feb 2020 12:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01033

Tgt Ion: 63 Resp: 37210
 Ion Ratio Lower Upper
 63 100
 65 34.1 21.3 39.5
 83 13.8 9.2 17.2

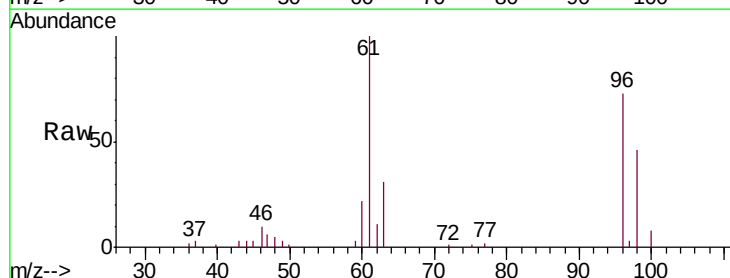


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

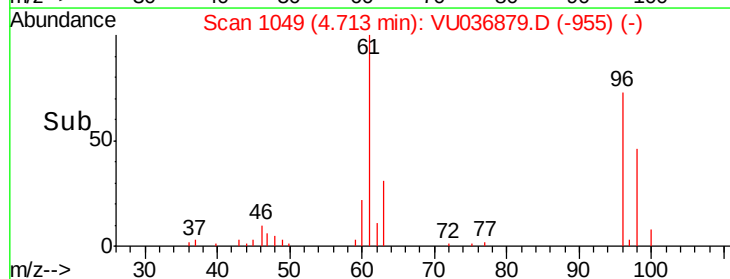
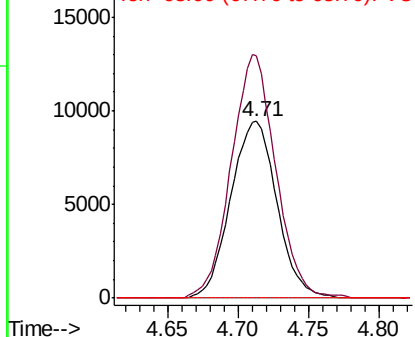


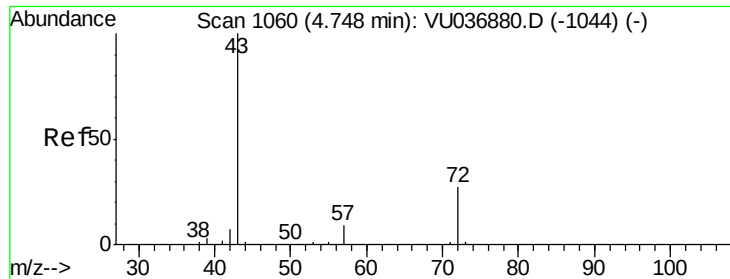
#20
 cis-1,2-Dichloroethene
 Concen: 9.694 ug/L
 RT: 4.71 min Scan# 1049
 Delta R.T. 0.00 min
 Lab File: VU036879.D
 Acq: 24 Feb 2020 12:52

Tgt Ion: 96 Resp: 21640
 Ion Ratio Lower Upper
 96 100
 61 137.2 93.1 172.9
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 19.061 ug/L

RT: 4.75 min Scan# 1061

Delta R.T. 0.00 min

Lab File: VU036879.D

Acq: 24 Feb 2020 12:52

Instrument :

MSVOA_U

ClientSampleId :

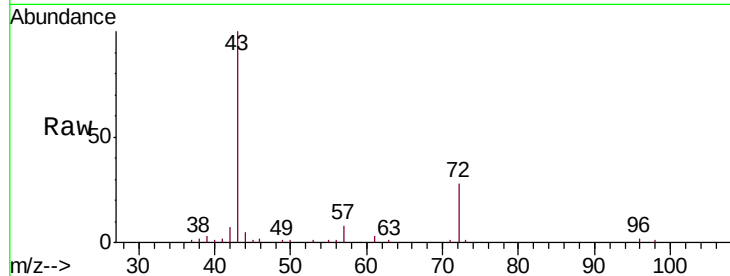
VSTD01033

Tgt Ion: 43 Resp: 39530

Ion Ratio Lower Upper

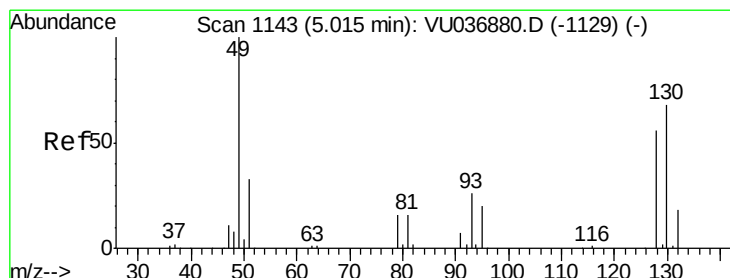
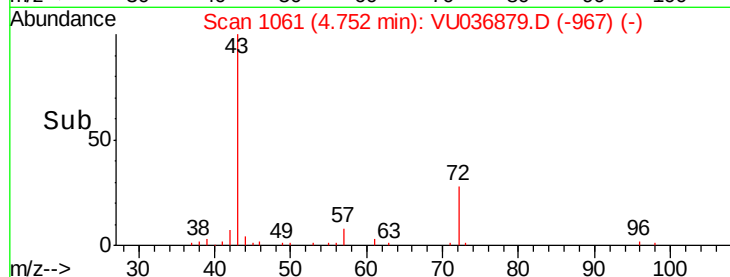
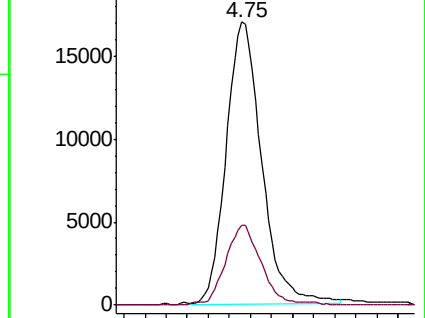
43 100

72 26.7 13.9 41.6



Abundance Ion 43.00 (42.70 to 43.70): VU036879.D (-967) (-)

Ion 72.00 (71.70 to 72.70): VU036879.D (-967) (-)



#23

Bromochloromethane

Concen: 9.074 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU036879.D

Acq: 24 Feb 2020 12:52

Tgt Ion: 128 Resp: 9716

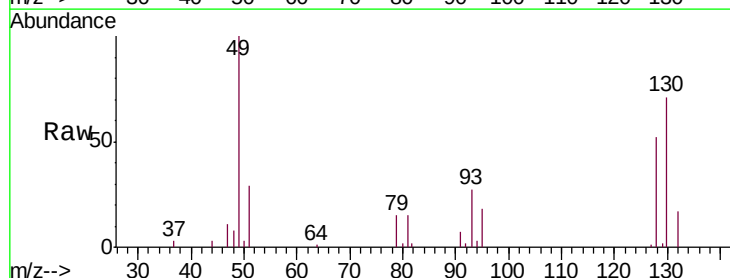
Ion Ratio Lower Upper

128 100

49 192.2 126.5 234.9

130 136.8 86.0 159.8

51 56.2 47.3 70.9

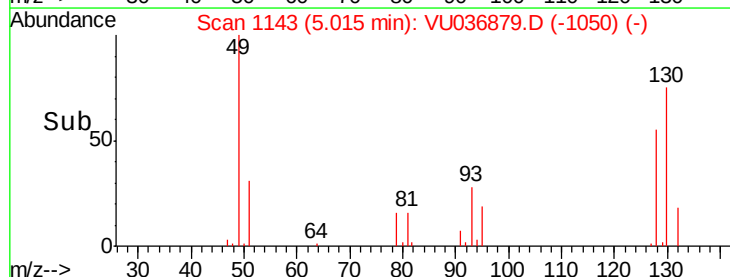
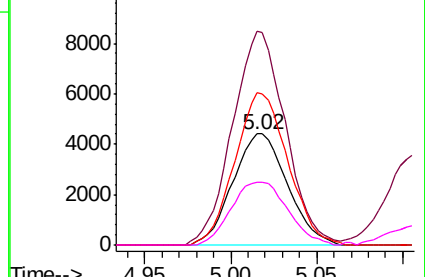


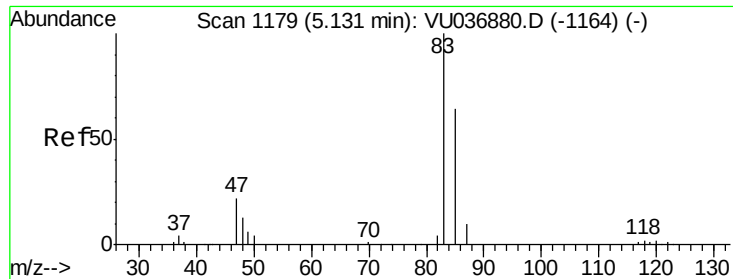
Abundance Ion 128.00 (127.70 to 128.70): VU036879.D (-1050) (-)

Ion 49.00 (48.70 to 49.70): VU036879.D (-1050) (-)

Ion 130.00 (129.70 to 130.70): VU036879.D (-1050) (-)

Ion 51.00 (50.70 to 51.70): VU036879.D (-1050) (-)

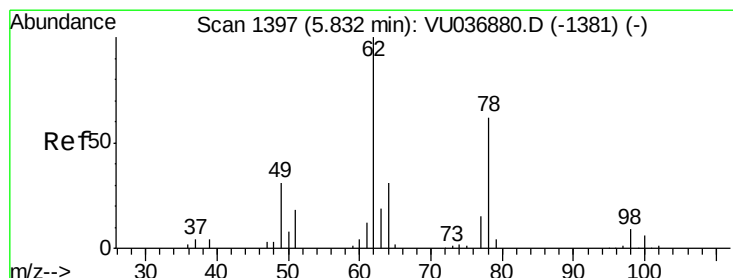
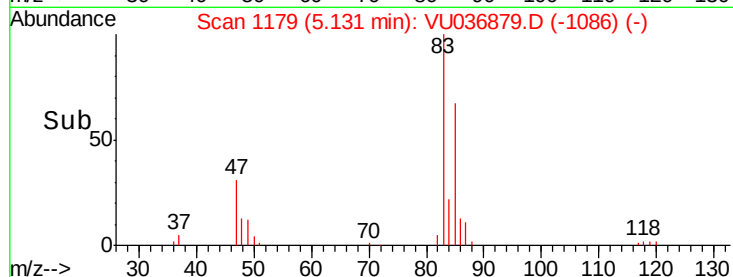
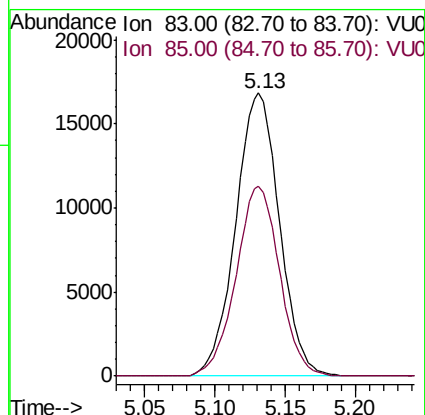
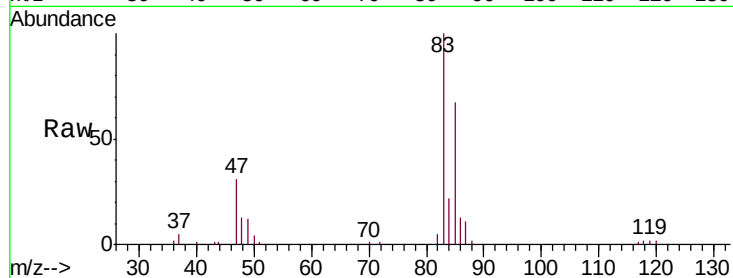




#25
Chloroform
Concen: 9.349 ug/L
RT: 5.13 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU036879.D
Acq: 24 Feb 2020 12:52

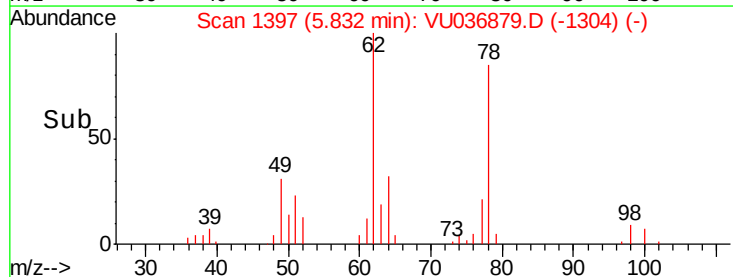
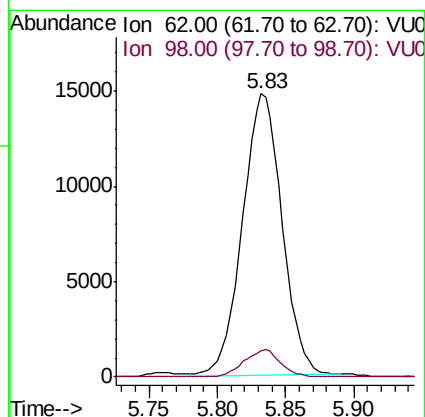
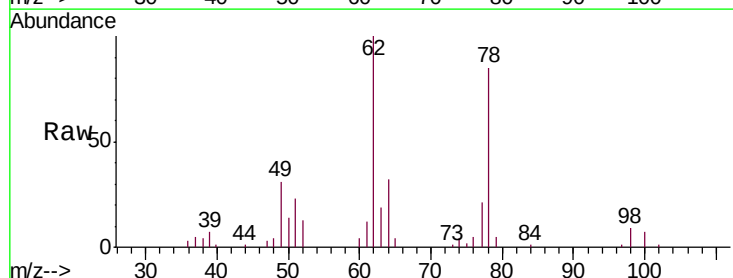
Instrument :
MSVOA_U
ClientSampleId :
VSTD01033

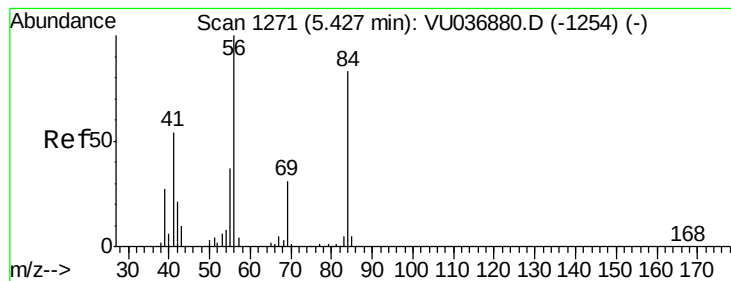
Tgt Ion: 83 Resp: 36504
Ion Ratio Lower Upper
83 100
85 67.1 45.1 83.9



#27
1,2-Dichloroethane
Concen: 9.558 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VU036879.D
Acq: 24 Feb 2020 12:52

Tgt Ion: 62 Resp: 29750
Ion Ratio Lower Upper
62 100
98 9.0 7.1 10.7





#29

Cyclohexane

Concen: 9.932 ug/L

RT: 5.43 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VU036879.D

Acq: 24 Feb 2020 12:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD01033

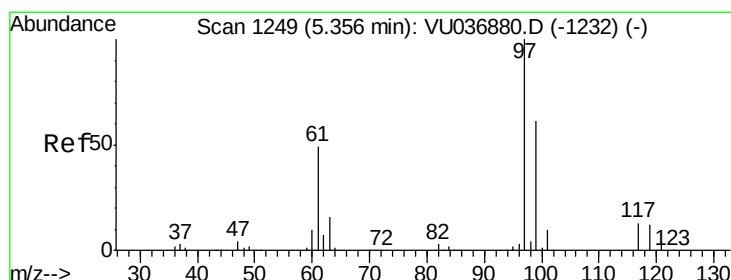
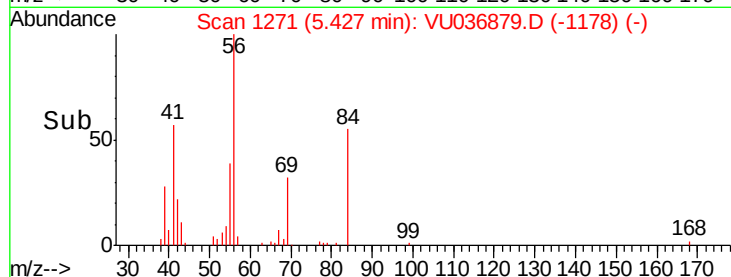
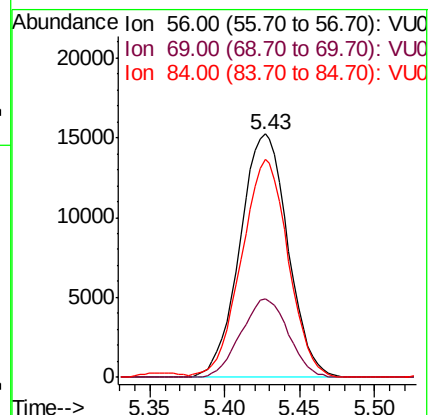
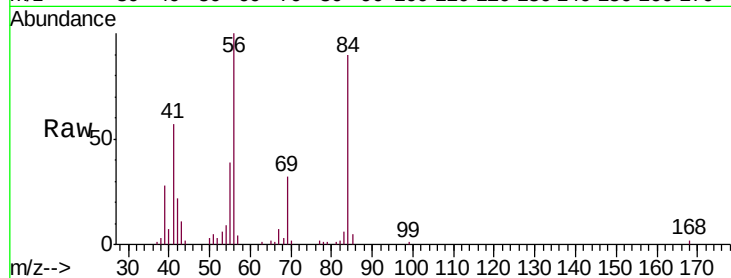
Tgt Ion: 56 Resp: 33980

Ion Ratio Lower Upper

56 100

69 31.9 24.6 37.0

84 87.1 67.0 100.4



#30

1,1,1-Trichloroethane

Concen: 8.625 ug/L

RT: 5.36 min Scan# 1249

Delta R.T. 0.00 min

Lab File: VU036879.D

Acq: 24 Feb 2020 12:52

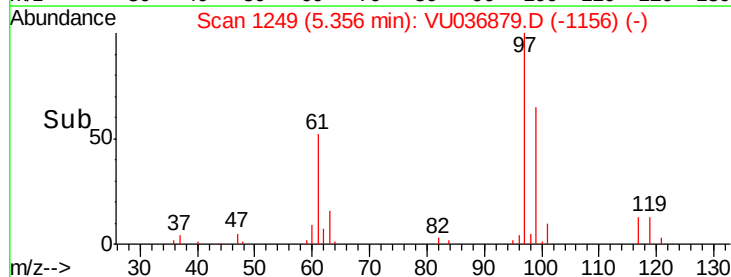
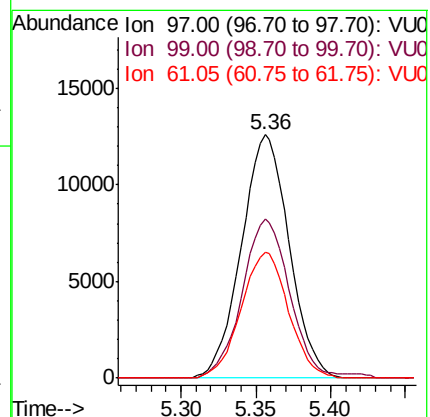
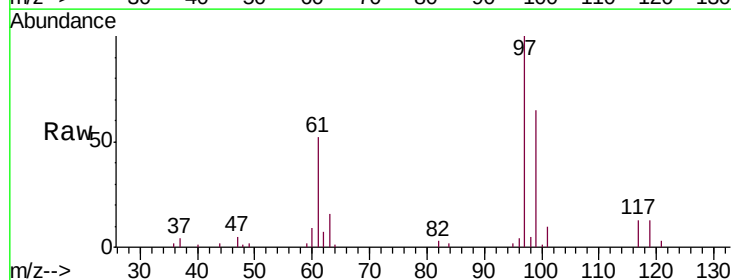
Tgt Ion: 97 Resp: 27925

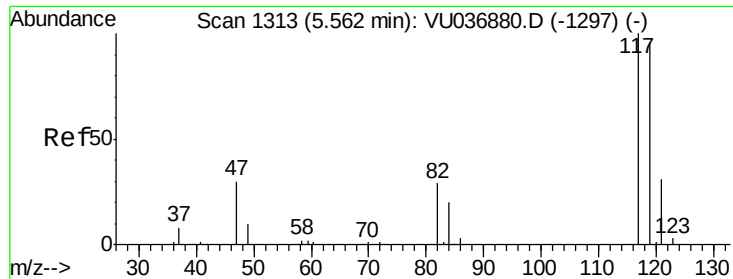
Ion Ratio Lower Upper

97 100

99 64.8 50.4 75.6

61 51.3 40.3 60.5





#31

Carbon tetrachloride

Concen: 7.760 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU036879.D

Acq: 24 Feb 2020 12:52

Instrument :

MSVOA_U

ClientSampleId :

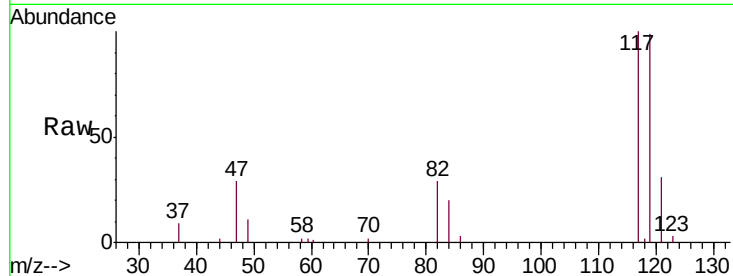
VSTD01033

Tgt Ion:117 Resp: 21036

Ion Ratio Lower Upper

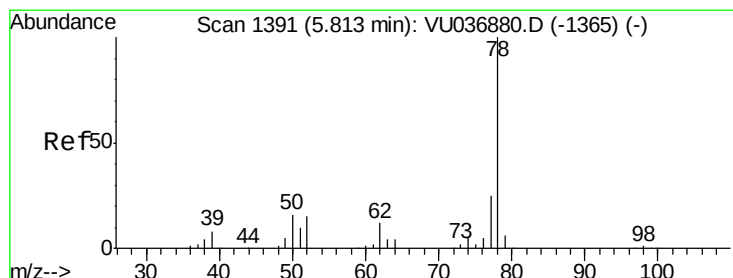
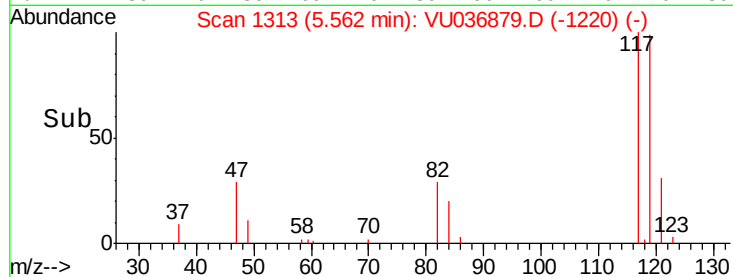
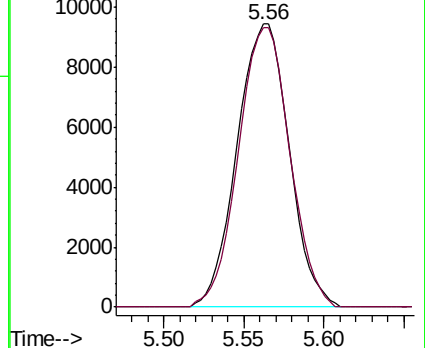
117 100

119 97.6 77.2 115.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 10.087 ug/L

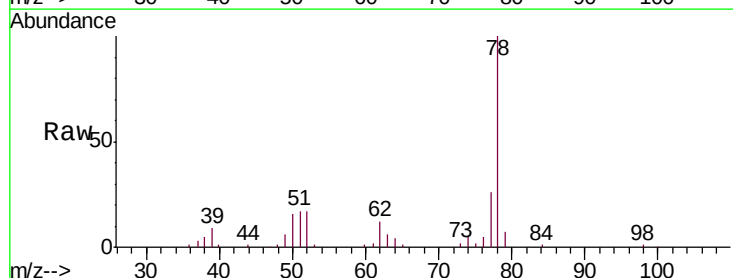
RT: 5.81 min Scan# 1391

Delta R.T. 0.00 min

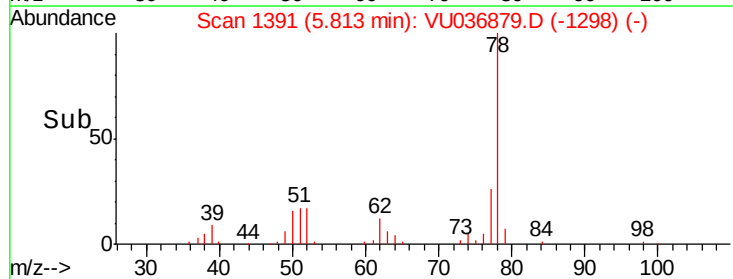
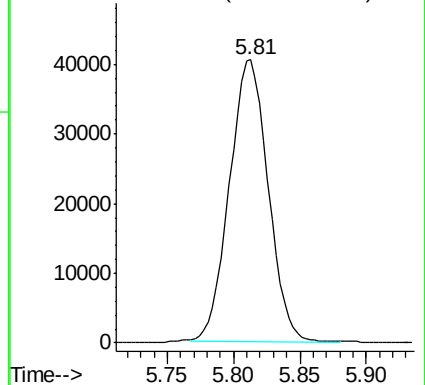
Lab File: VU036879.D

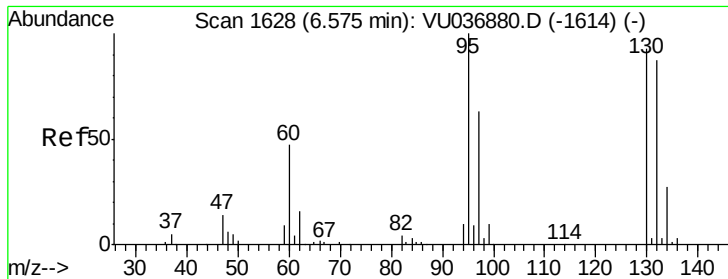
Acq: 24 Feb 2020 12:52

Tgt Ion: 78 Resp: 82249



Abundance Ion 78.00 (77.70 to 78.70): VU0

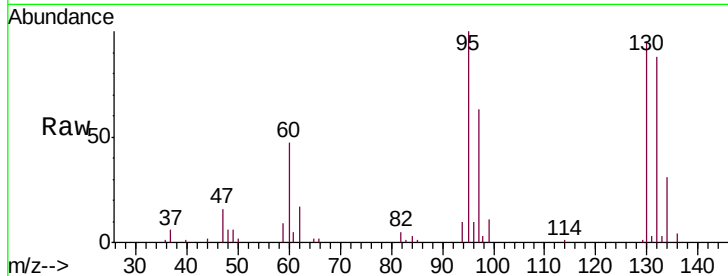




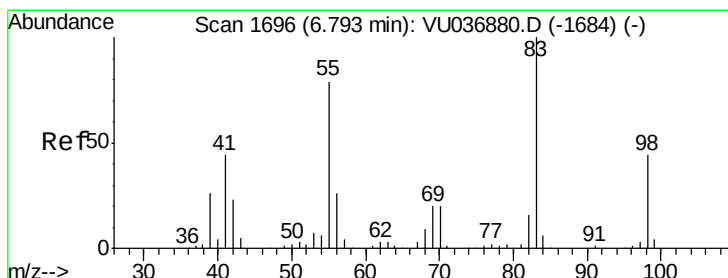
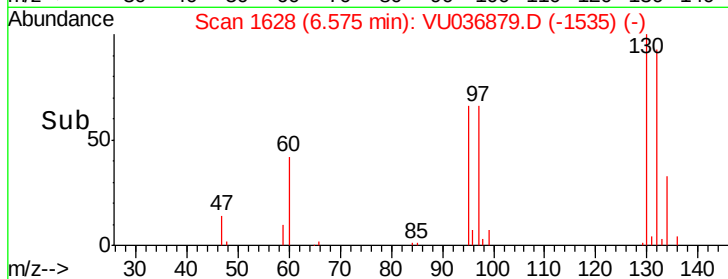
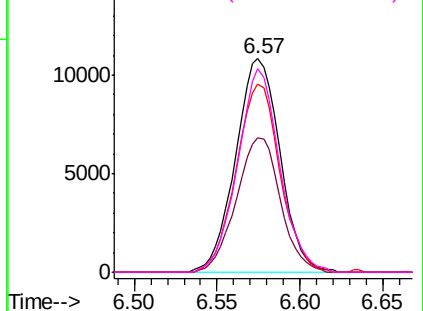
#34
 Trichloroethene
 Concen: 9.361 ug/L
 RT: 6.57 min Scan# 1628
 Delta R.T. 0.00 min
 Lab File: VU036879.D
 Acq: 24 Feb 2020 12:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01033

Tgt Ion:	95	Resp:	20183
Ion	Ratio	Lower	Upper
95	100		
97	62.8	44.1	81.9
132	88.1	60.6	112.6
130	95.0	64.9	120.5

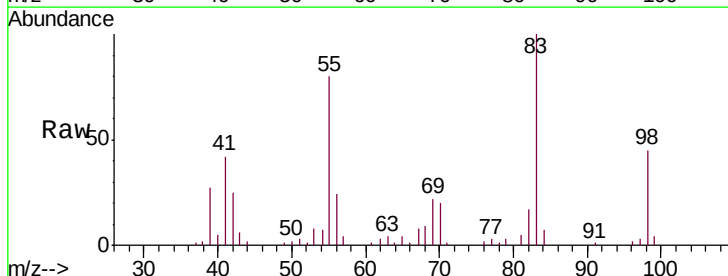


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

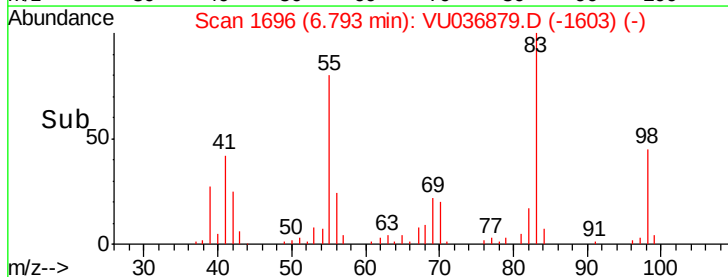
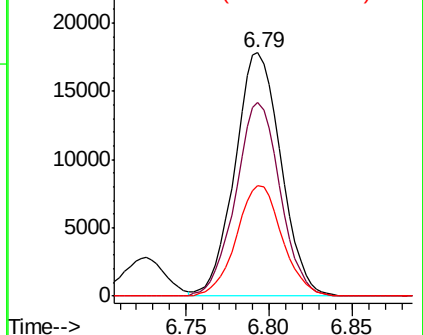


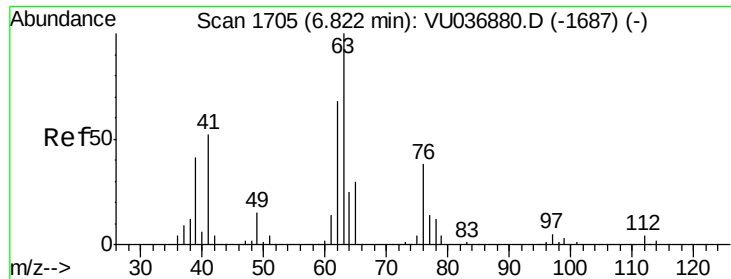
#35
 Methylcyclohexane
 Concen: 10.122 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. 0.00 min
 Lab File: VU036879.D
 Acq: 24 Feb 2020 12:52

Tgt Ion:	83	Resp:	34552
Ion	Ratio	Lower	Upper
83	100		
55	76.6	62.6	93.8
98	44.9	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

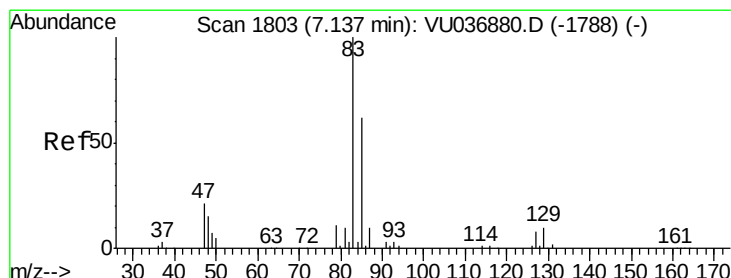
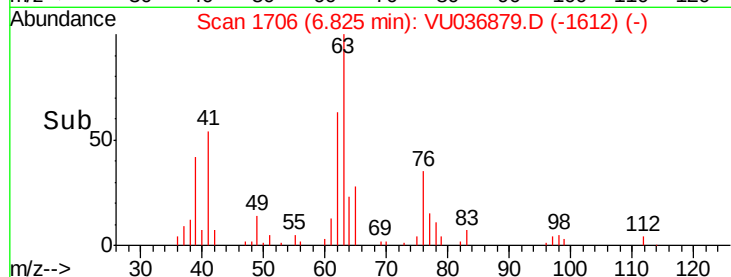
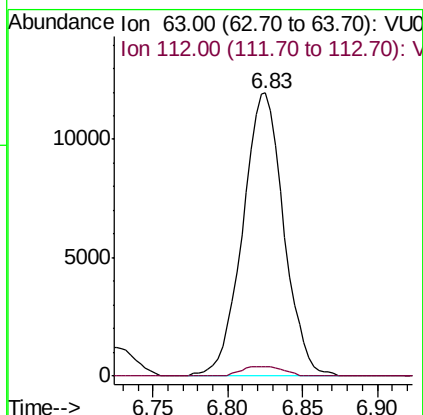
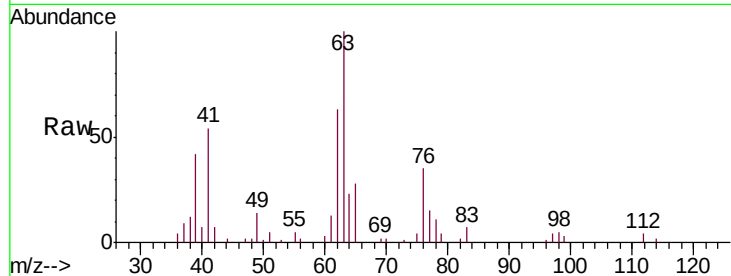




#37
 1,2-Dichloropropane
 Concen: 10.567 ug/L
 RT: 6.83 min Scan# 1706
 Delta R.T. 0.00 min
 Lab File: VU036879.D
 Acq: 24 Feb 2020 12:52

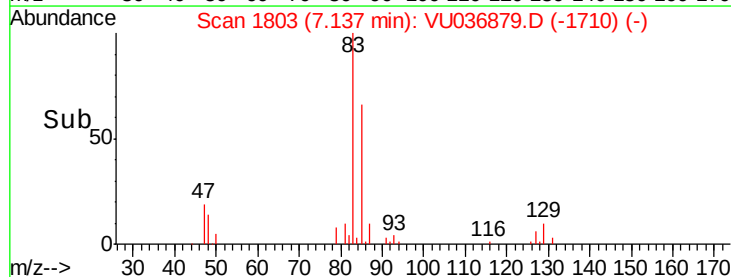
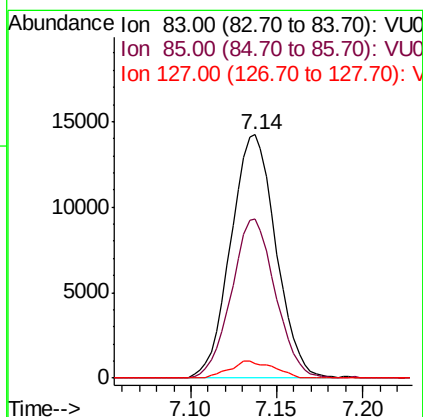
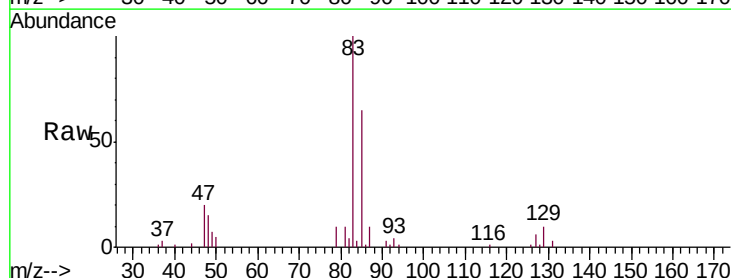
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01033

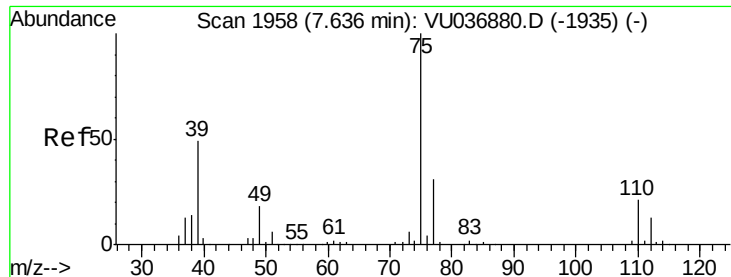
Tgt Ion: 63 Resp: 22855
 Ion Ratio Lower Upper
 63 100
 112 1.7 3.0 4.6#



#38
 Bromodichloromethane
 Concen: 8.983 ug/L
 RT: 7.14 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VU036879.D
 Acq: 24 Feb 2020 12:52

Tgt Ion: 83 Resp: 25924
 Ion Ratio Lower Upper
 83 100
 85 65.4 43.6 81.0
 127 6.2 6.0 9.0

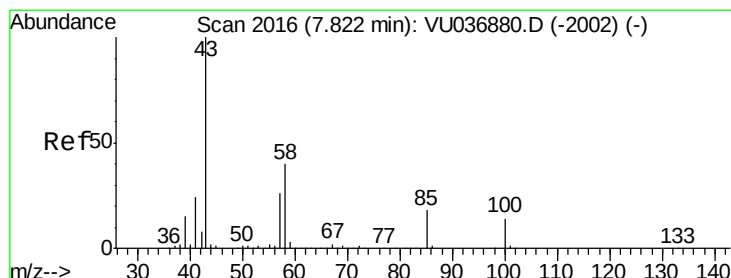
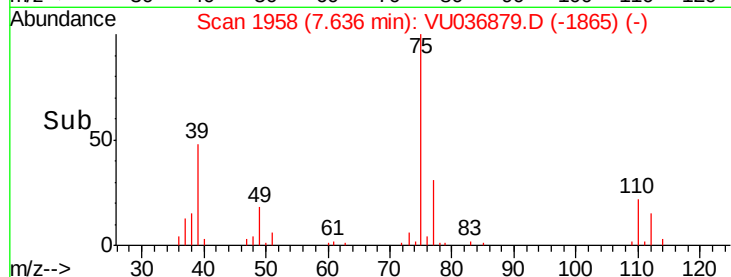
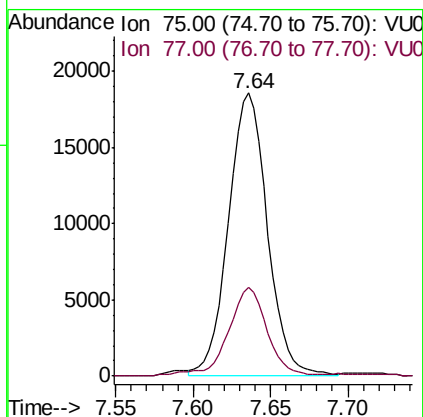
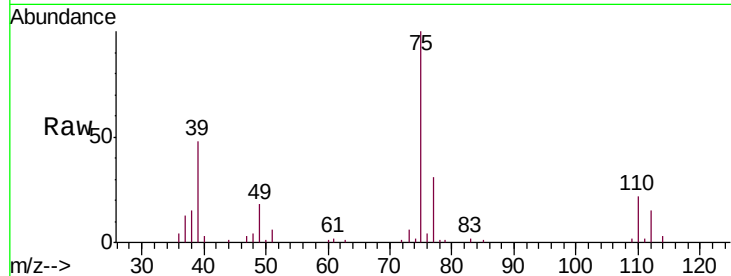




#39
 cis-1,3-Dichloropropene
 Concen: 9.392 ug/L
 RT: 7.64 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: VU036879.D
 Acq: 24 Feb 2020 12:52

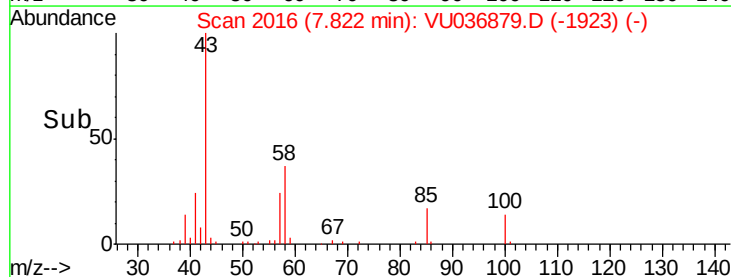
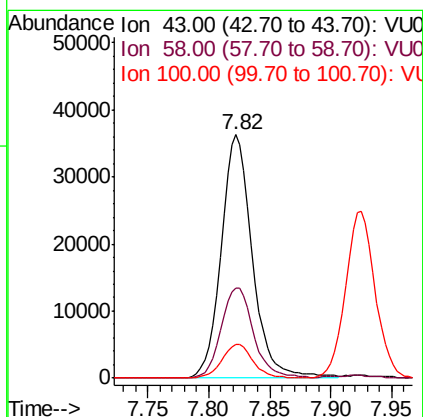
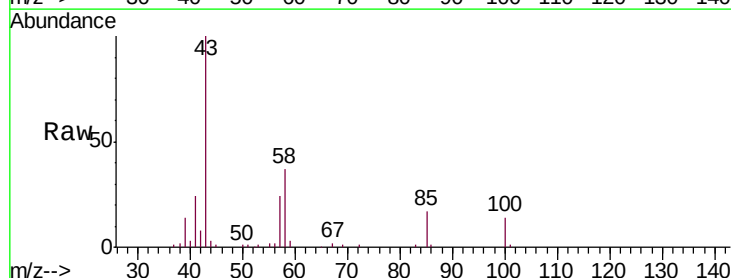
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01033

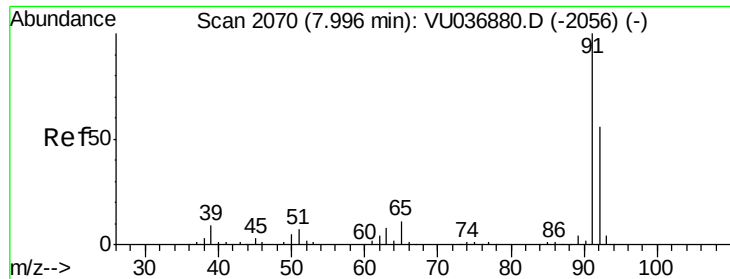
Tgt Ion: 75 Resp: 32583
 Ion Ratio Lower Upper
 75 100
 77 31.3 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 18.874 ug/L
 RT: 7.82 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VU036879.D
 Acq: 24 Feb 2020 12:52

Tgt Ion: 43 Resp: 65089
 Ion Ratio Lower Upper
 43 100
 58 38.7 31.8 47.6
 100 13.8 11.5 17.3





#42

Toluene

Concen: 10.126 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU036879.D

Acq: 24 Feb 2020 12:52

Instrument :

MSVOA_U

ClientSampleId :

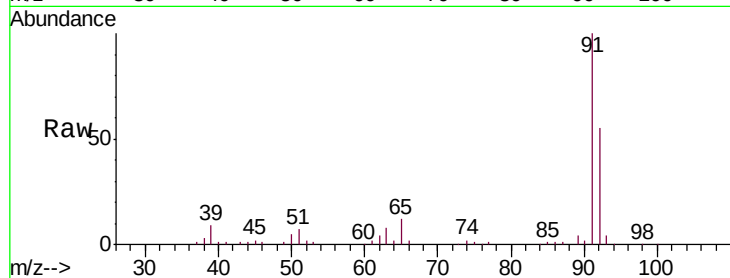
VSTD01033

Tgt Ion: 91 Resp: 89351

Ion Ratio Lower Upper

91 100

92 54.7 39.4 73.2



Abundance Ion 91.00 (90.70 to 91.70): VU036880.D (-2056) (-)

Ion 92.00 (91.70 to 92.70): VU036880.D (-2056) (-)

8.00

60000

50000

40000

30000

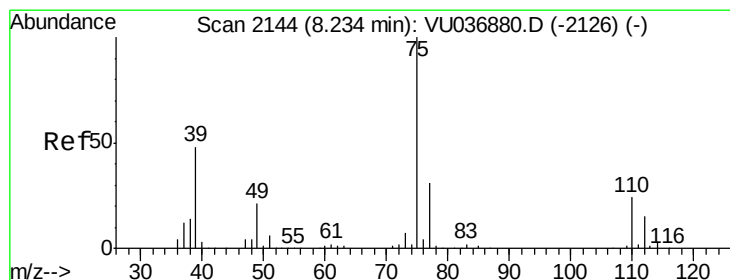
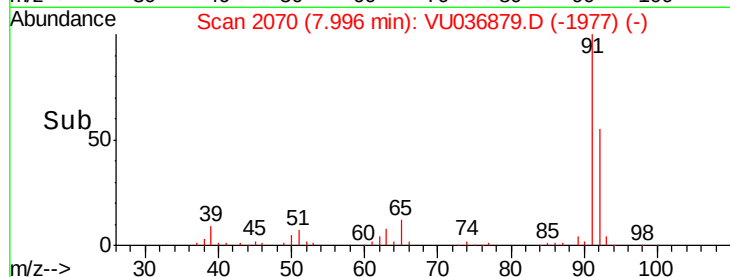
20000

10000

0

7.95 8.00 8.05

Time-->



#44

trans-1,3-Dichloropropene

Concen: 9.000 ug/L

RT: 8.24 min Scan# 2145

Delta R.T. 0.00 min

Lab File: VU036879.D

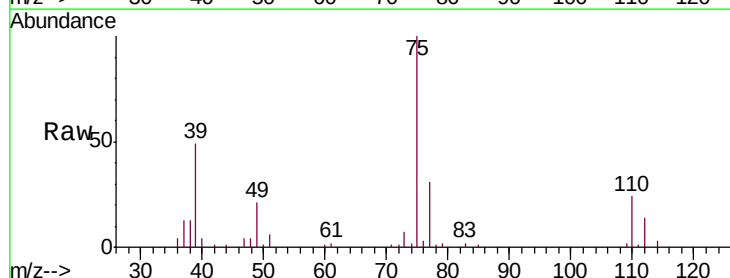
Acq: 24 Feb 2020 12:52

Tgt Ion: 75 Resp: 28471

Ion Ratio Lower Upper

75 100

77 30.7 21.6 40.2



Abundance Ion 75.00 (74.70 to 75.70): VU036880.D (-2126) (-)

Ion 77.00 (76.70 to 77.70): VU036880.D (-2126) (-)

8.24

15000

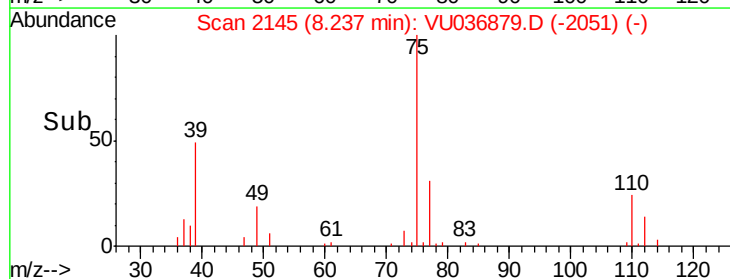
10000

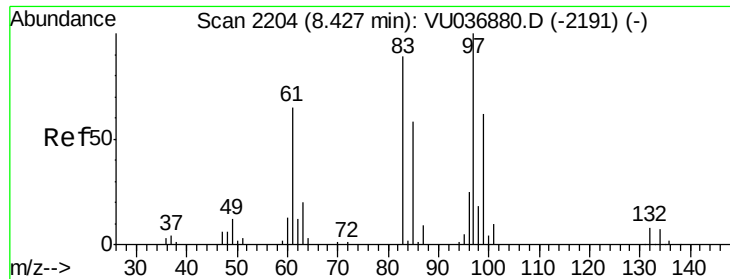
5000

0

8.15 8.20 8.25 8.30

Time-->

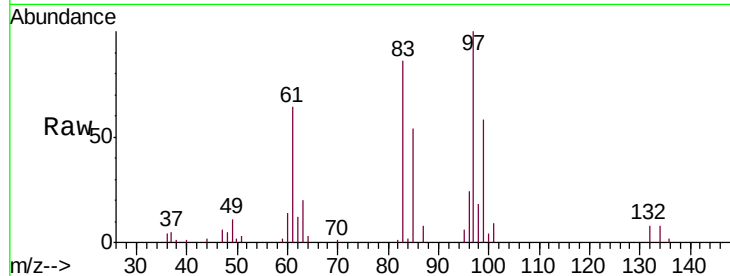




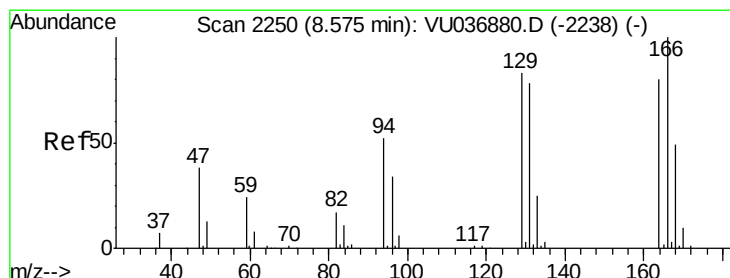
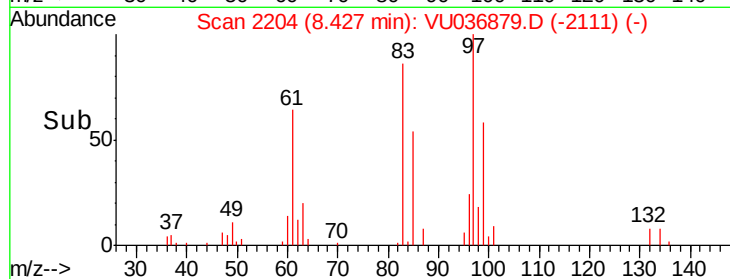
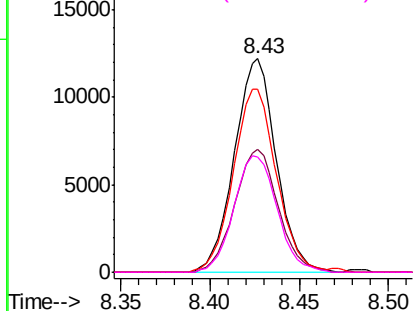
#45
 1,1,2-Trichloroethane
 Concen: 9.823 ug/L
 RT: 8.43 min Scan# 2204
 Delta R.T. 0.00 min
 Lab File: VU036879.D
 Acq: 24 Feb 2020 12:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01033

Tgt Ion:	97	Resp:	20072
Ion	Ratio	Lower	Upper
97	100		
99	57.8	43.6	81.0
83	85.5	62.7	116.5
85	53.8	40.3	74.9

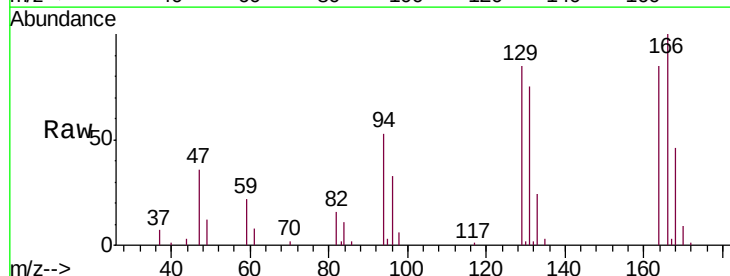


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0
 Ion 85.00 (84.70 to 85.70): VU0

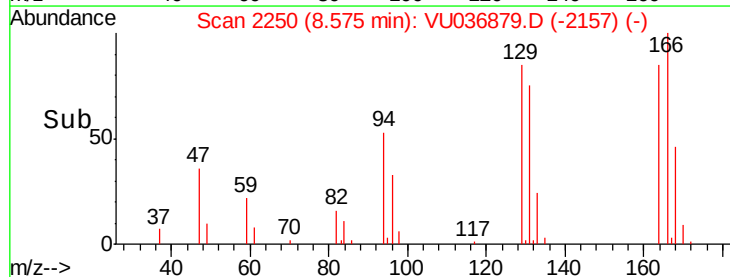
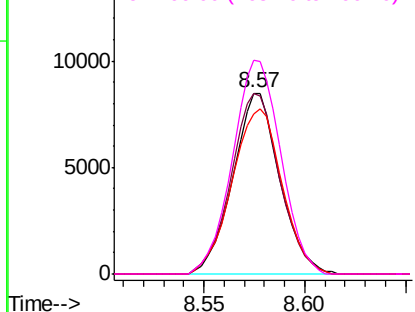


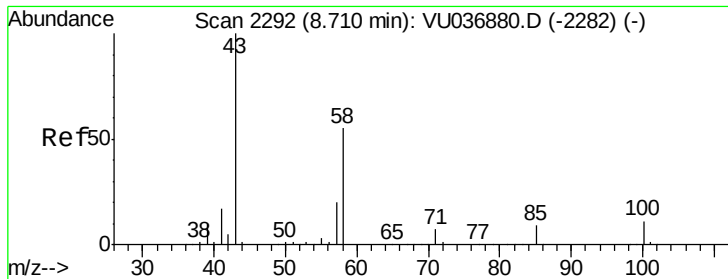
#46
 Tetrachloroethene
 Concen: 9.604 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. 0.00 min
 Lab File: VU036879.D
 Acq: 24 Feb 2020 12:52

Tgt Ion:	164	Resp:	13831
Ion	Ratio	Lower	Upper
164	100		
129	99.9	72.0	133.8
131	88.7	67.9	126.1
166	118.0	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

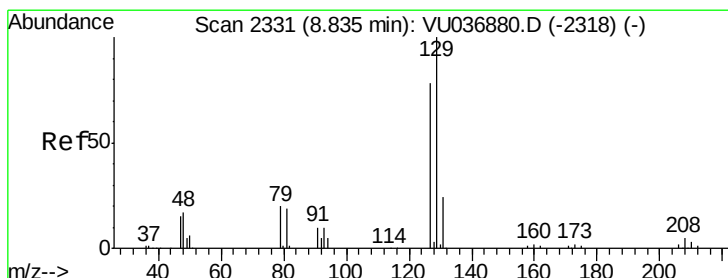
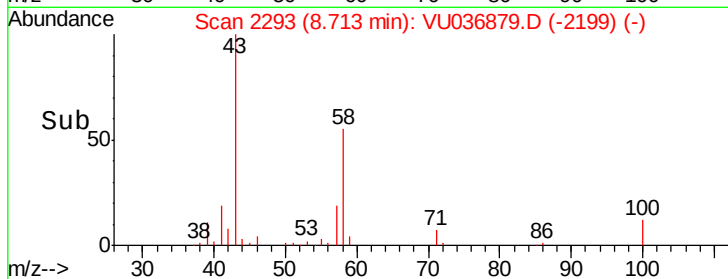
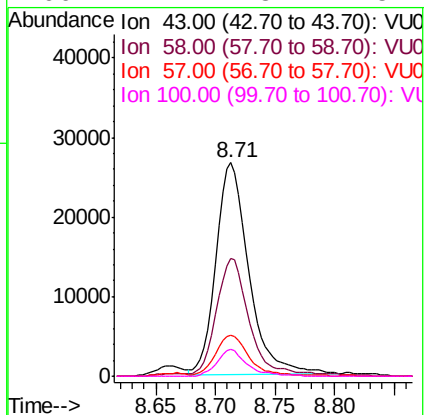
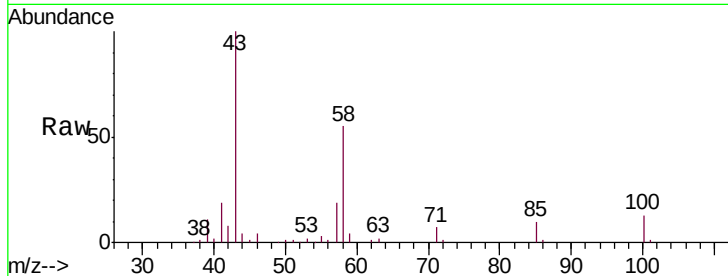




#48
2-Hexanone
Concen: 18.562 ug/L
RT: 8.71 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VU036879.D
Acq: 24 Feb 2020 12:52

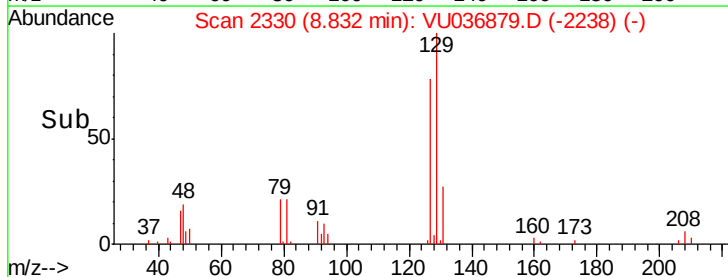
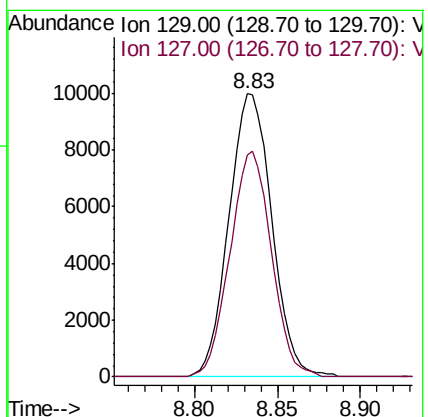
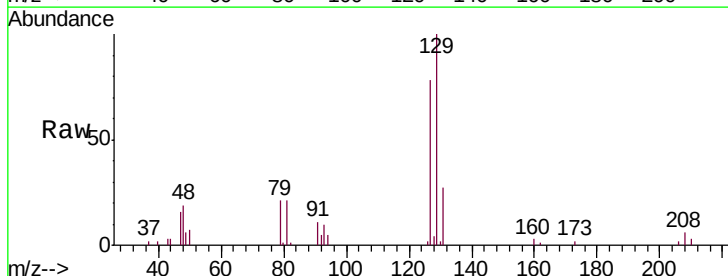
Instrument :
MSVOA_U
ClientSampleId :
VSTD01033

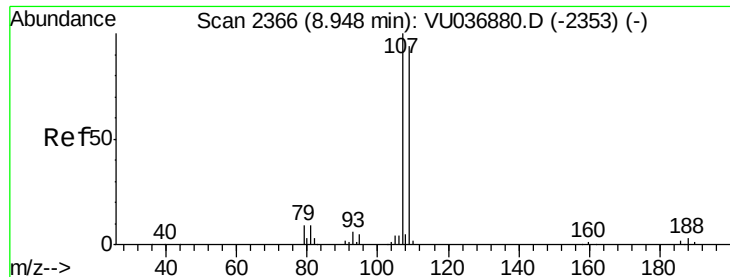
Tgt Ion: 43 Resp: 50997
Ion Ratio Lower Upper
43 100
58 57.0 43.5 65.3
57 19.8 15.1 22.7
100 11.4 8.7 13.1



#49
Dibromochloromethane
Concen: 8.211 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU036879.D
Acq: 24 Feb 2020 12:52

Tgt Ion: 129 Resp: 18006
Ion Ratio Lower Upper
129 100
127 78.2 54.3 100.8

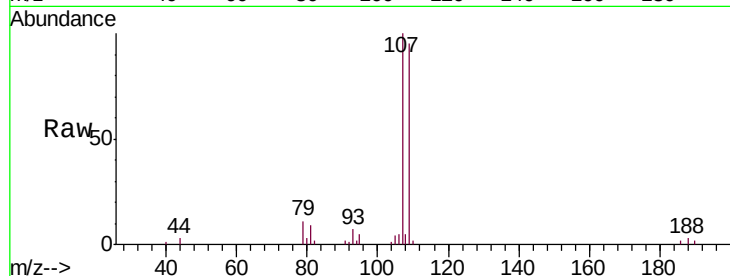




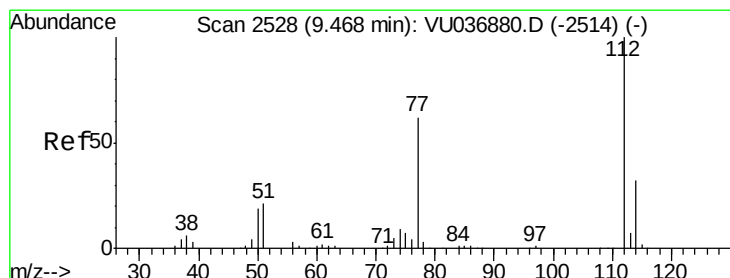
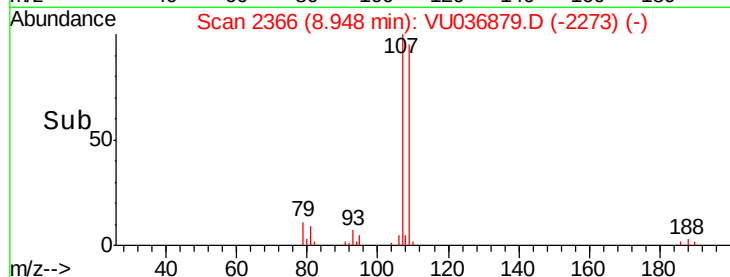
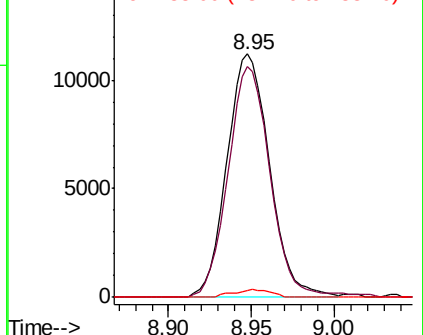
#50
1,2-Dibromoethane
Concen: 8.825 ug/L
RT: 8.95 min Scan# 2366
Delta R.T. 0.00 min
Lab File: VU036879.D
Acq: 24 Feb 2020 12:52

Instrument :
MSVOA_U
ClientSampleId :
VSTD01033

Tgt Ion:107 Resp: 20015
Ion Ratio Lower Upper
107 100
109 95.0 65.9 122.5
188 2.9 2.2 3.2

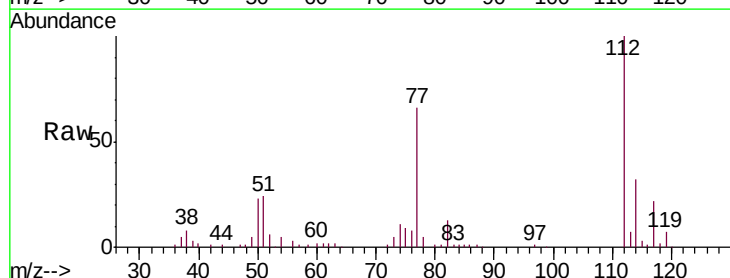


Abundance Ion 107.00 (106.70 to 107.70): V
15000 Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

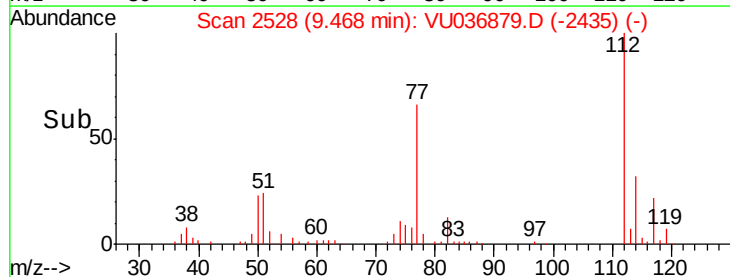
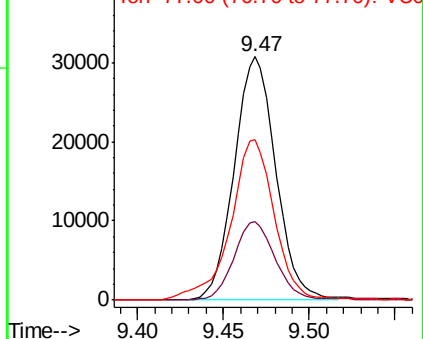


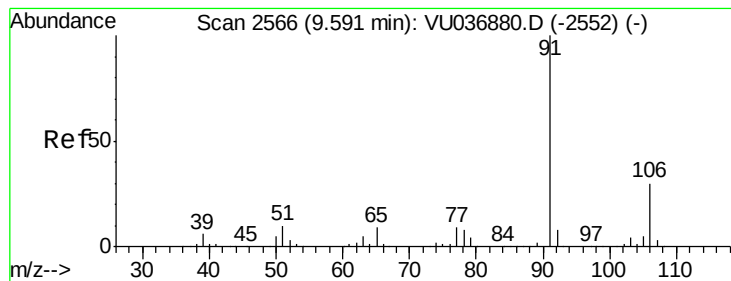
#51
Chlorobenzene
Concen: 9.433 ug/L
RT: 9.47 min Scan# 2528
Delta R.T. 0.00 min
Lab File: VU036879.D
Acq: 24 Feb 2020 12:52

Tgt Ion:112 Resp: 51605
Ion Ratio Lower Upper
112 100
114 32.5 22.3 41.5
77 65.9 50.1 75.1



Abundance Ion 112.00 (111.70 to 112.70): V
40000 Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): VU0





#52

Ethylbenzene

Concen: 9.522 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VU036879.D

Acq: 24 Feb 2020 12:52

Instrument :

MSVOA_U

ClientSampleId :

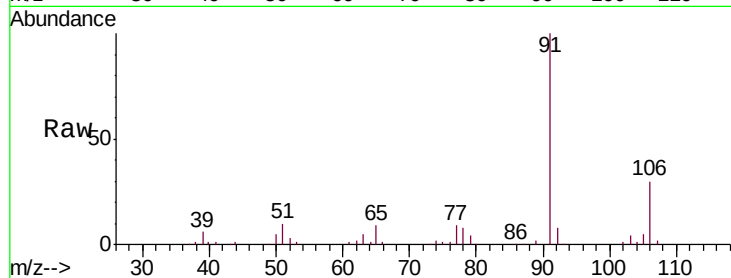
VSTD01033

Tgt Ion: 91 Resp: 93079

Ion Ratio Lower Upper

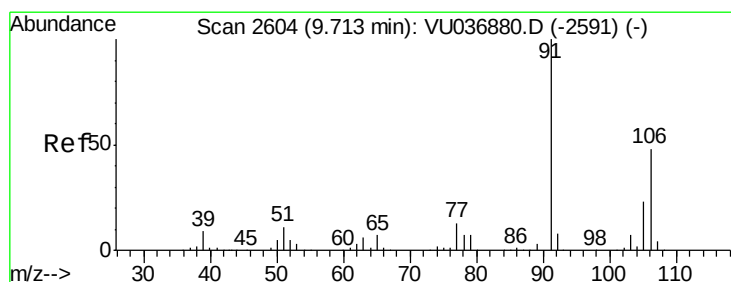
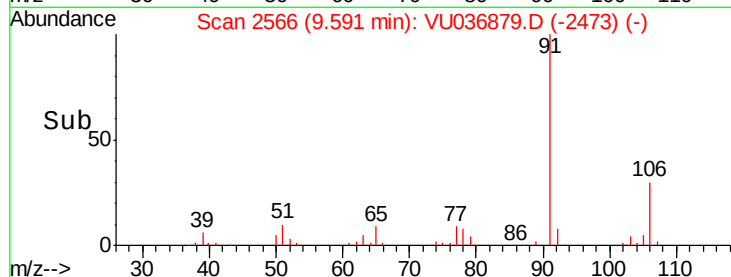
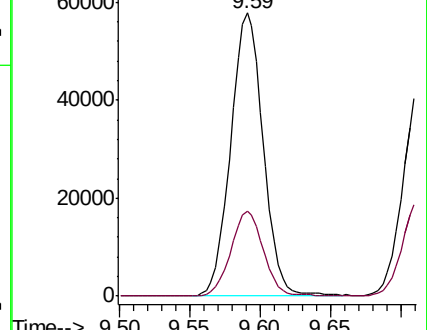
91 100

106 30.0 21.1 39.1



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

Ion 106.00 (105.70 to 106.70): VU036879.D (-2473) (-)



#53

m,p-Xylene

Concen: 9.179 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VU036879.D

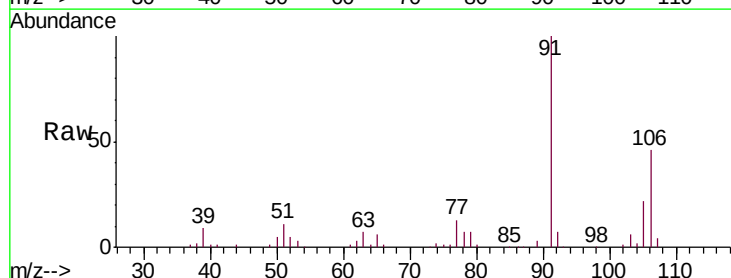
Acq: 24 Feb 2020 12:52

Tgt Ion: 106 Resp: 33493

Ion Ratio Lower Upper

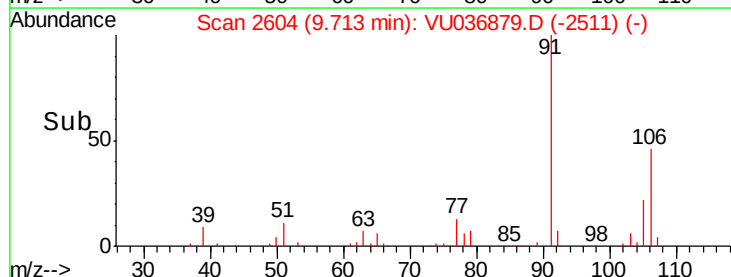
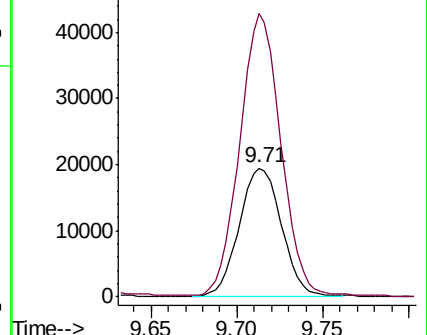
106 100

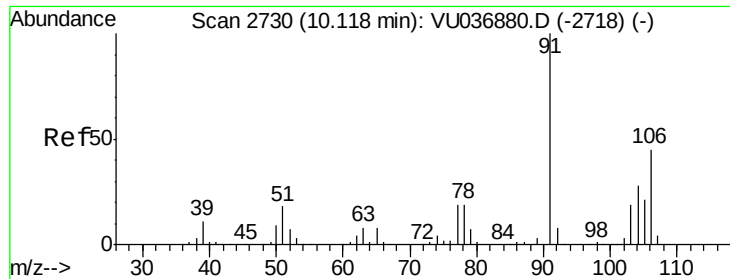
91 219.2 145.3 269.9



Abundance Ion 106.00 (105.70 to 106.70): VU036879.D (-2511) (-)

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





#54

o-xylene

Concen: 9.293 ug/L

RT: 10.12 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VU036879.D

Acq: 24 Feb 2020 12:52

Instrument :

MSVOA_U

ClientSampleId :

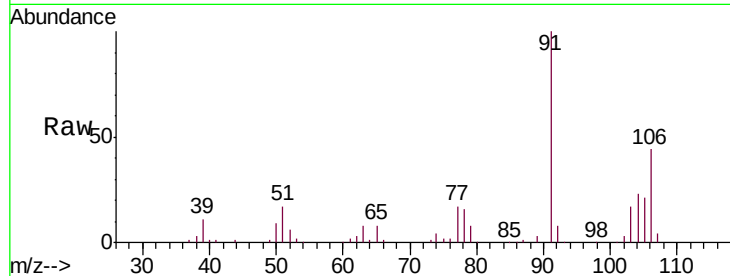
VSTD01033

Tgt Ion:106 Resp: 33843

Ion Ratio Lower Upper

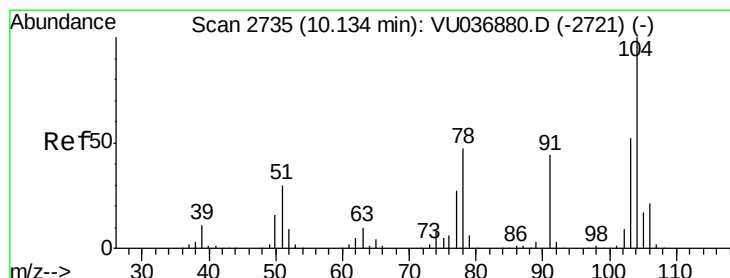
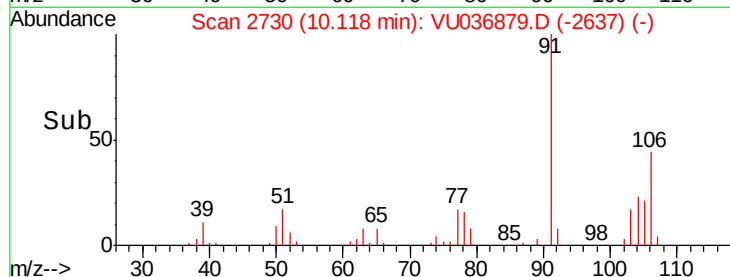
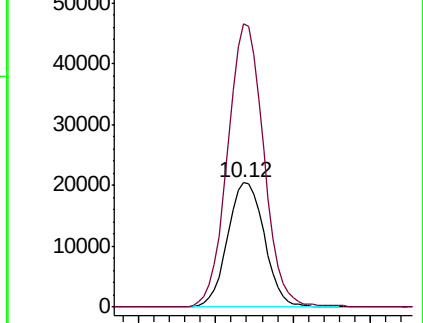
106 100

91 227.2 154.2 286.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 9.051 ug/L

RT: 10.13 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VU036879.D

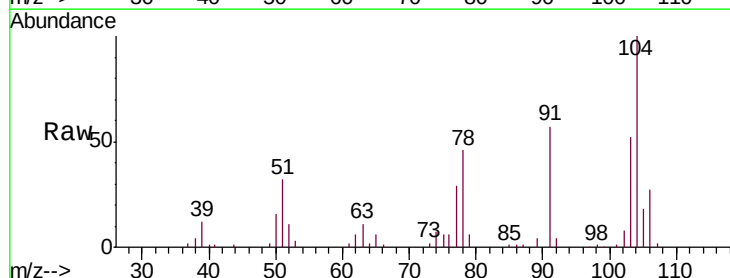
Acq: 24 Feb 2020 12:52

Tgt Ion:104 Resp: 53307

Ion Ratio Lower Upper

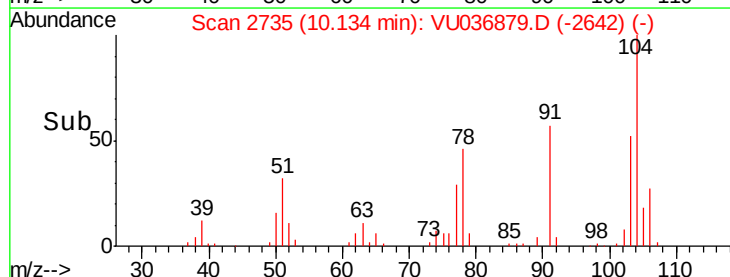
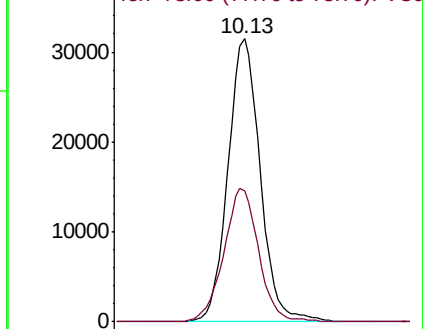
104 100

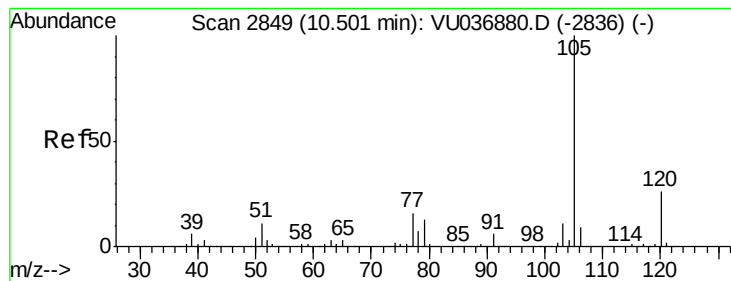
78 46.1 33.0 61.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 9.371 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. 0.00 min

Lab File: VU036879.D

Acq: 24 Feb 2020 12:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD01033

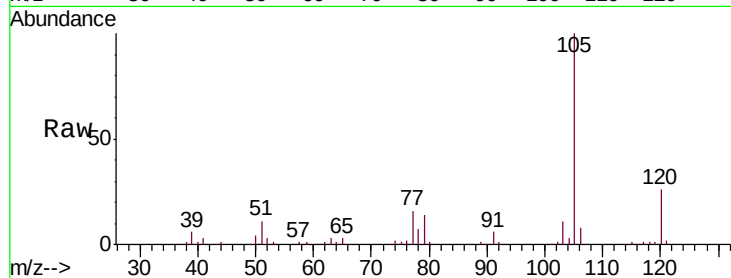
Tgt Ion: 105 Resp: 87309

Ion Ratio Lower Upper

105 100

120 26.4 20.5 30.7

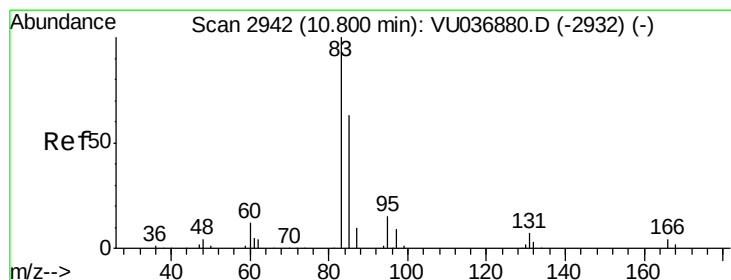
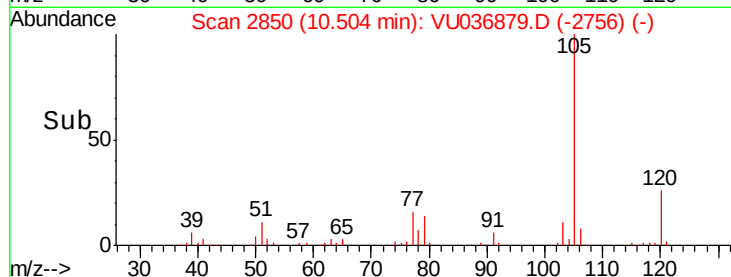
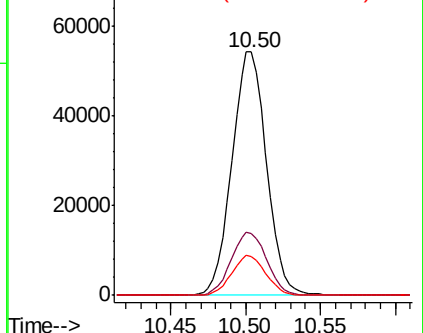
77 16.0 13.1 19.7



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: 9.947 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU036879.D

Acq: 24 Feb 2020 12:52

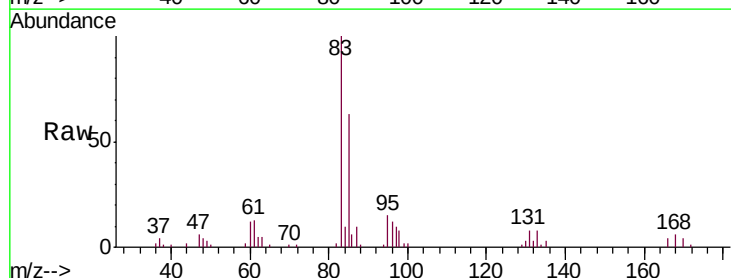
Tgt Ion: 83 Resp: 35272

Ion Ratio Lower Upper

83 100

85 63.3 45.5 84.5

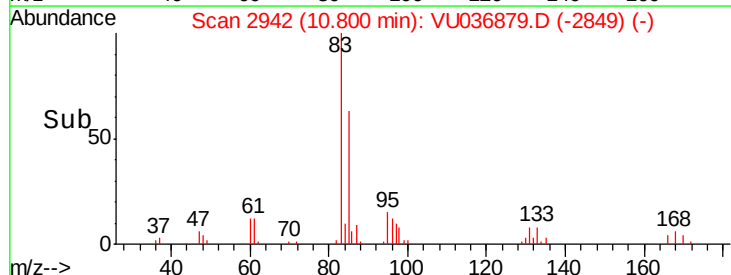
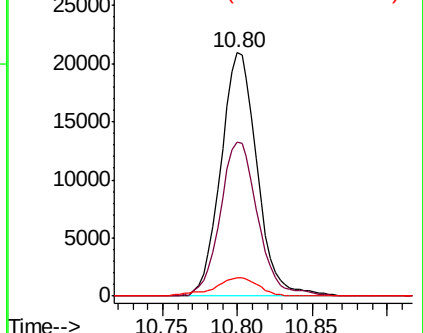
131 7.8 6.8 10.2

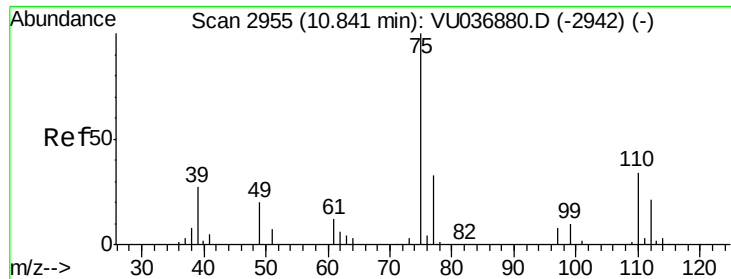


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 9.821 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. 0.00 min

Lab File: VU036879.D

Acq: 24 Feb 2020 12:52

Instrument :

MSVOA_U

ClientSampleId :

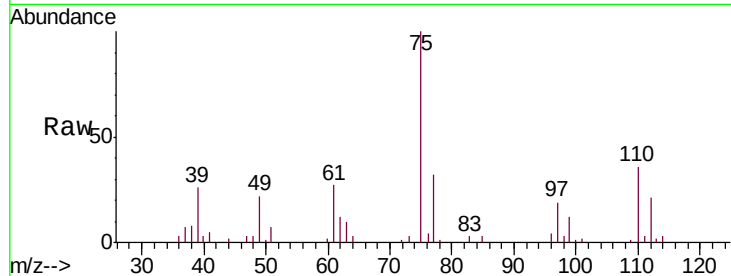
VSTD01033

Tgt Ion: 75 Resp: 28870

Ion Ratio Lower Upper

75 100

77 32.3 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) (-)

10.84

20000

15000

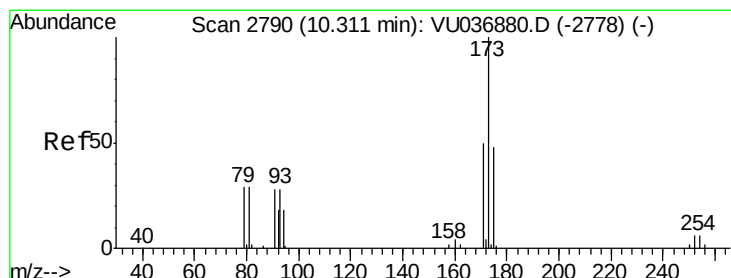
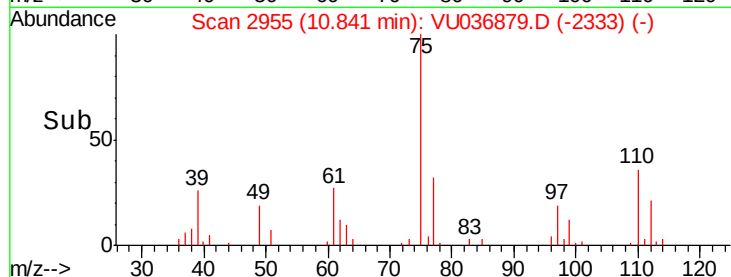
10000

5000

0

10.80 10.85 10.90

Time-->



#61

Bromoform

Concen: 7.823 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VU036879.D

Acq: 24 Feb 2020 12:52

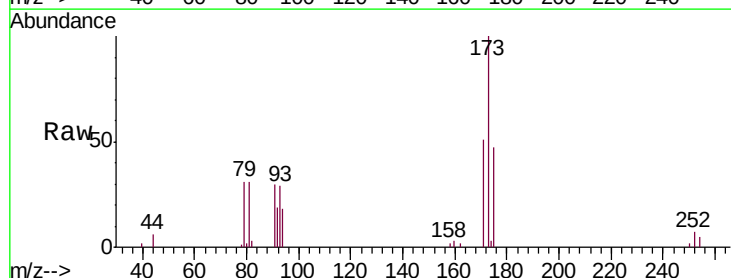
Tgt Ion: 173 Resp: 11789

Ion Ratio Lower Upper

173 100

175 47.4 39.0 58.6

254 4.6 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) (-)

10.31

8000

6000

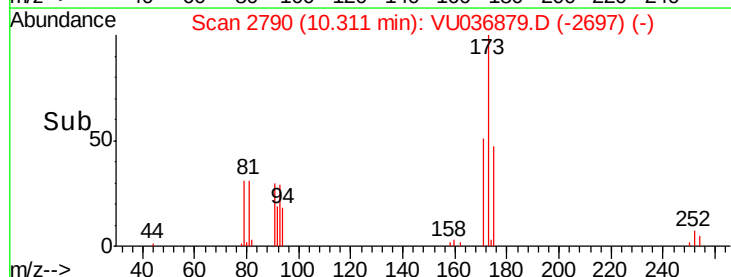
4000

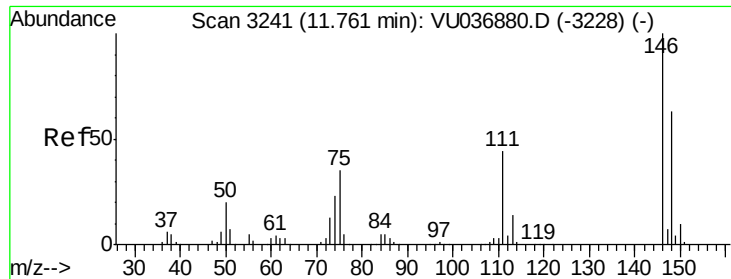
2000

0

10.25 10.30 10.35

Time-->





#62

1,3-Dichlorobenzene

Concen: 9.603 ug/L

RT: 11.76 min Scan# 3241

Delta R.T. 0.00 min

Lab File: VU036879.D

Acq: 24 Feb 2020 12:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD01033

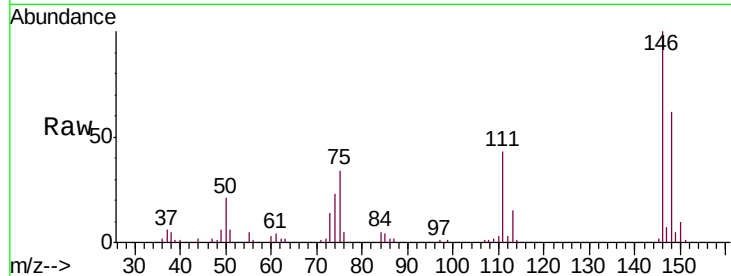
Tgt Ion:146 Resp: 34704

Ion Ratio Lower Upper

146 100

111 43.3 30.7 56.9

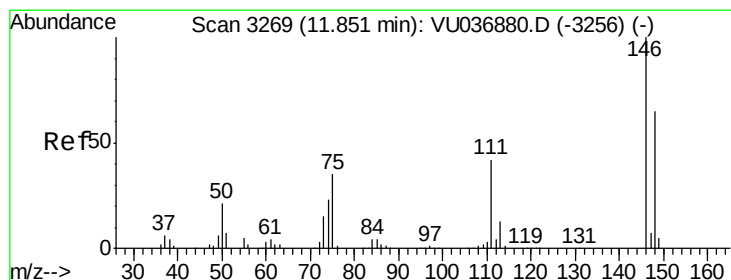
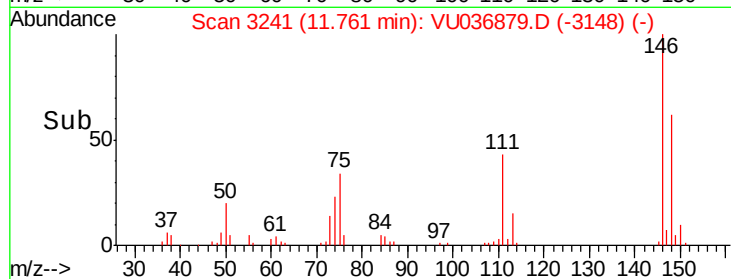
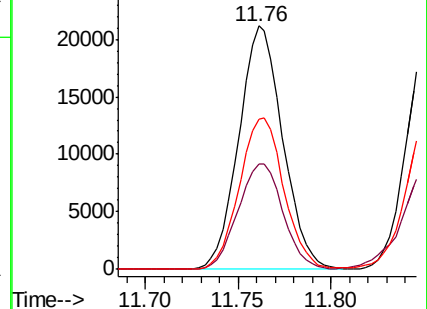
148 61.7 44.2 82.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 9.457 ug/L

RT: 11.85 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VU036879.D

Acq: 24 Feb 2020 12:52

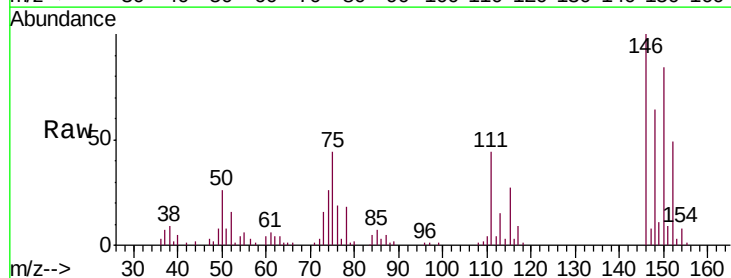
Tgt Ion:146 Resp: 34094

Ion Ratio Lower Upper

146 100

111 43.9 29.8 55.4

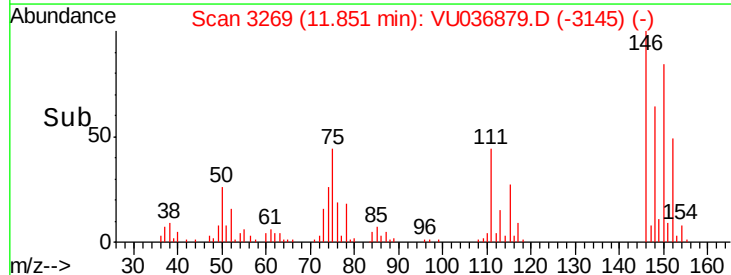
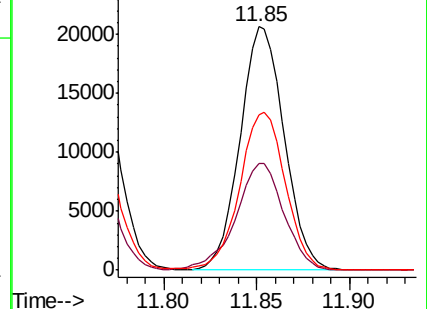
148 63.8 45.1 83.9

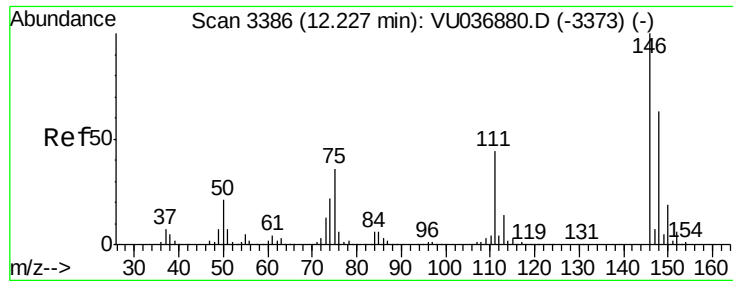


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

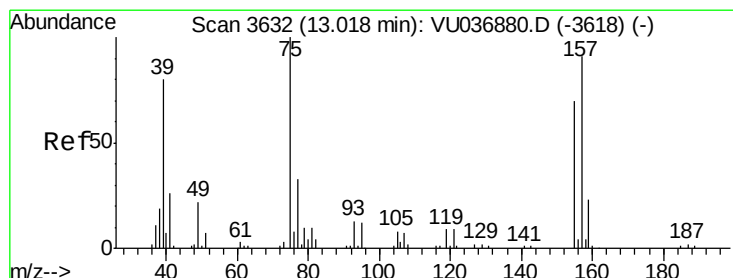
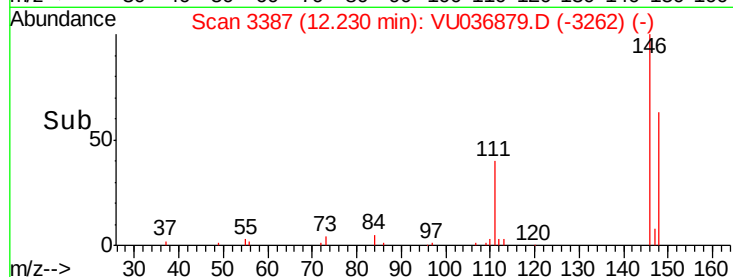
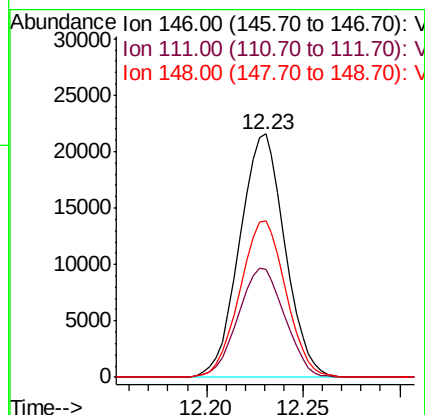
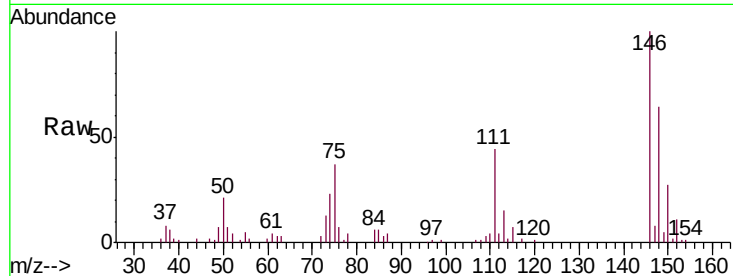




#65
 1,2-Dichlorobenzene
 Concen: 9.864 ug/L
 RT: 12.23 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VU036879.D
 Acq: 24 Feb 2020 12:52

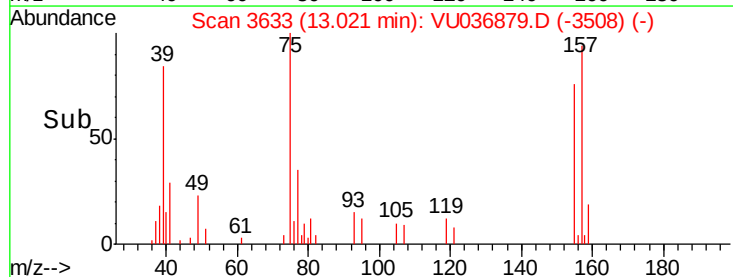
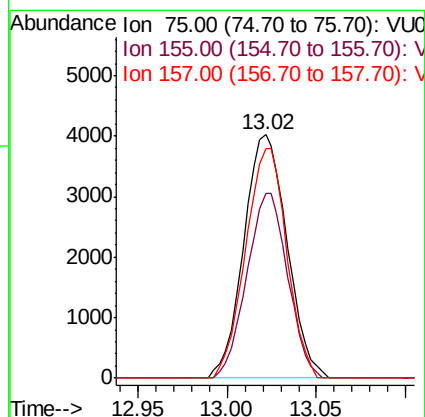
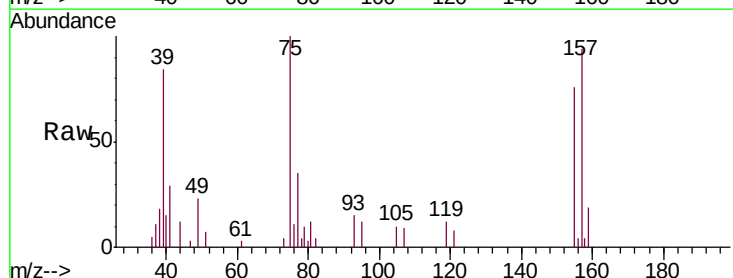
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01033

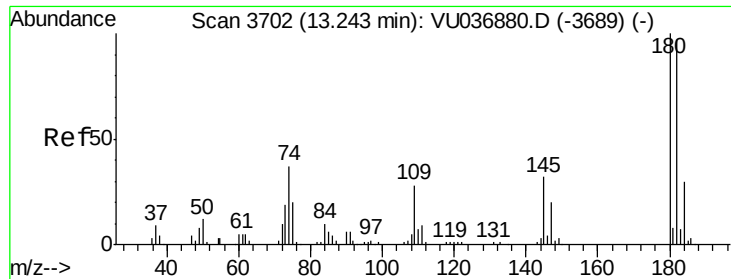
Tgt Ion: 146 Resp: 35217
 Ion Ratio Lower Upper
 146 100
 111 44.4 35.4 53.0
 148 64.5 50.5 75.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 8.734 ug/L
 RT: 13.02 min Scan# 3633
 Delta R.T. 0.00 min
 Lab File: VU036879.D
 Acq: 24 Feb 2020 12:52

Tgt Ion: 75 Resp: 6802
 Ion Ratio Lower Upper
 75 100
 155 75.6 55.7 83.5
 157 94.5 73.0 109.6

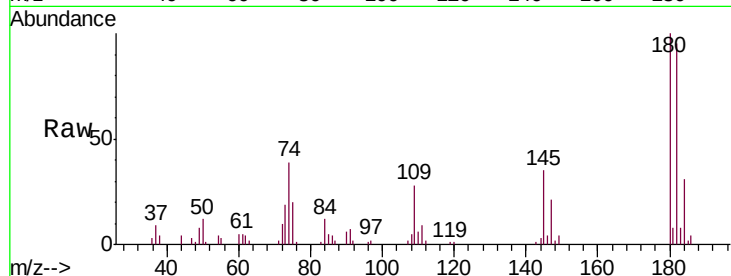




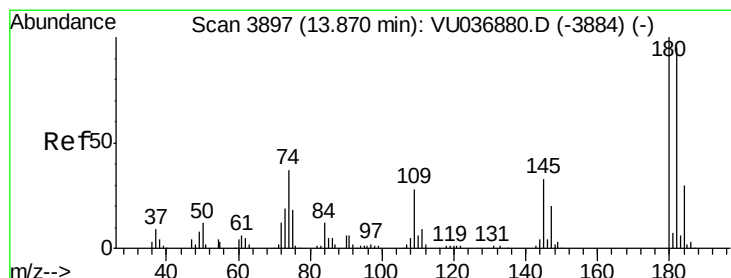
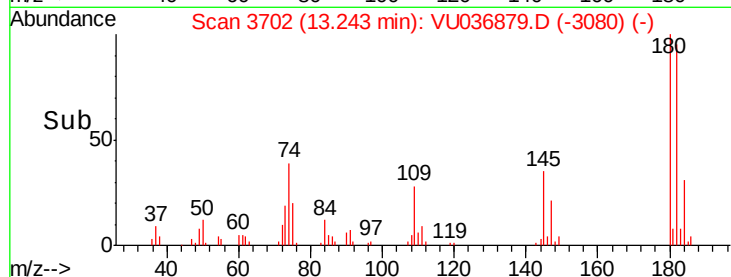
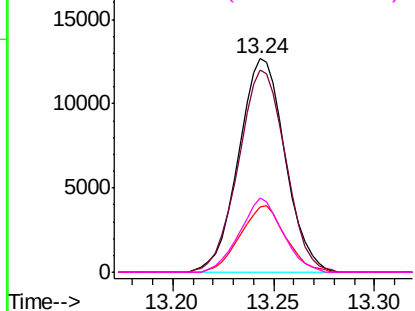
#67
 1,3,5-Trichlorobenzene
 Concen: 9.227 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. 0.00 min
 Lab File: VU036879.D
 Acq: 24 Feb 2020 12:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01033

Tgt Ion:180 Resp: 20438
 Ion Ratio Lower Upper
 180 100
 182 96.0 76.9 115.3
 184 30.5 24.2 36.2
 145 32.4 25.3 37.9

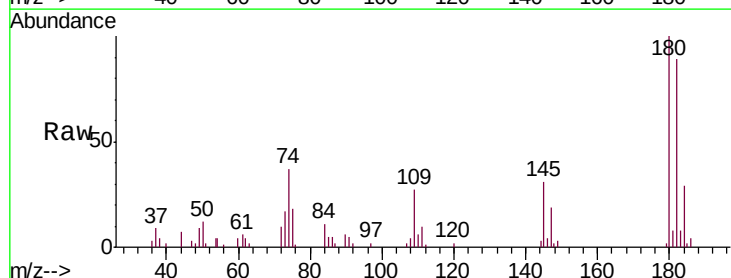


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

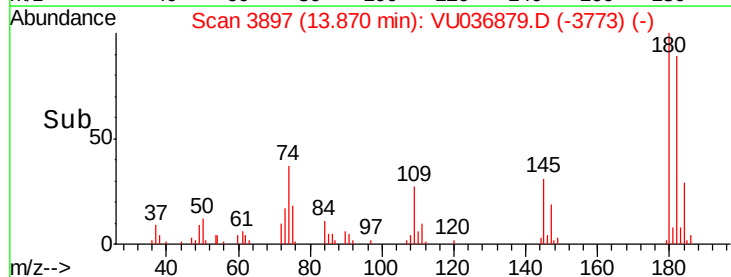
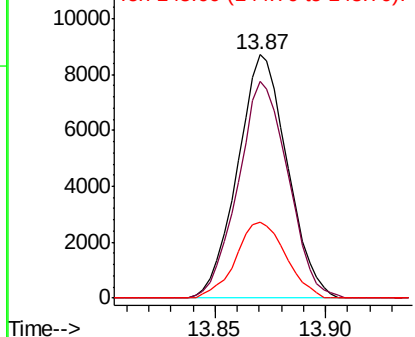


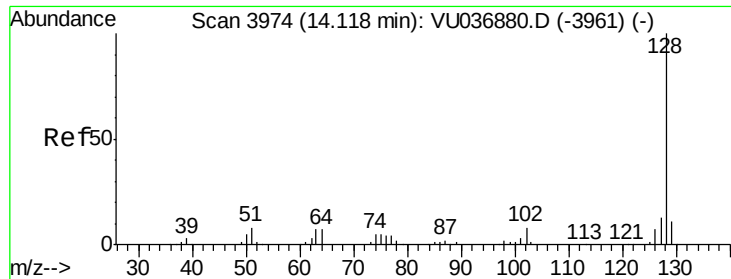
#68
 1,2,4-trichlorobenzene
 Concen: 8.281 ug/L
 RT: 13.87 min Scan# 3897
 Delta R.T. 0.00 min
 Lab File: VU036879.D
 Acq: 24 Feb 2020 12:52

Tgt Ion:180 Resp: 13649
 Ion Ratio Lower Upper
 180 100
 182 89.2 75.3 112.9
 145 31.0 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: 4.518 ug/L

RT: 14.12 min Scan# 3975

Delta R.T. 0.00 min

Lab File: VU036879.D

Acq: 24 Feb 2020 12:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD01033

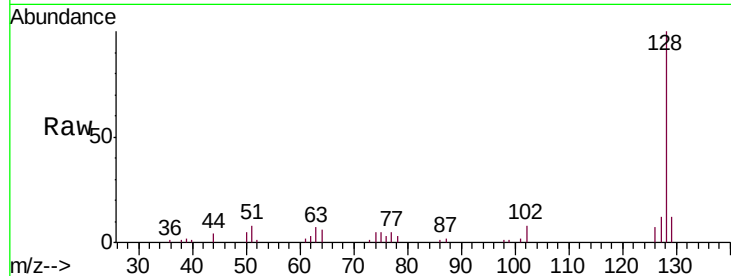
Tgt Ion:128 Resp: 22587

Ion Ratio Lower Upper

128 100

127 11.8 11.0 16.4

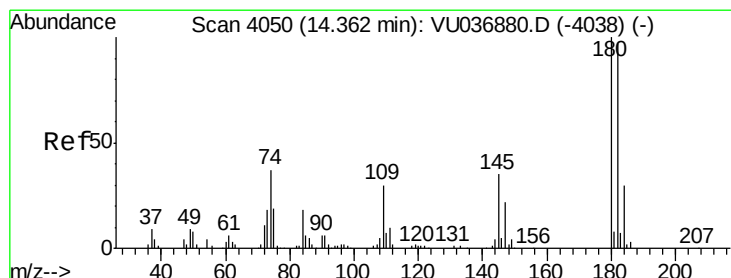
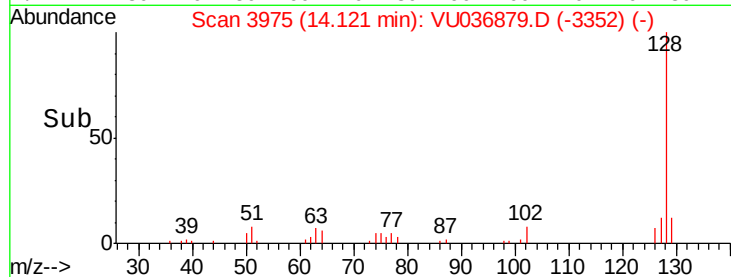
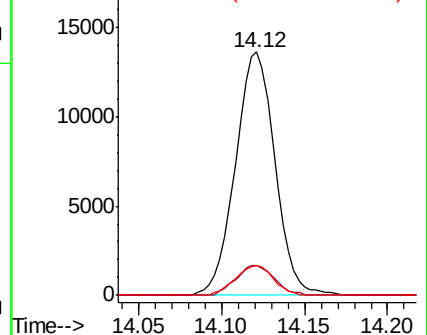
129 11.7 8.6 12.8



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: 8.257 ug/L

RT: 14.37 min Scan# 4051

Delta R.T. 0.00 min

Lab File: VU036879.D

Acq: 24 Feb 2020 12:52

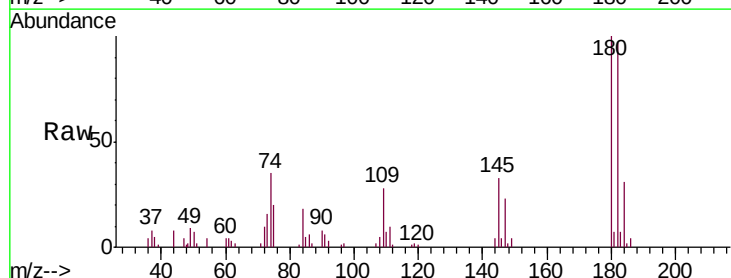
Tgt Ion:180 Resp: 14106

Ion Ratio Lower Upper

180 100

182 93.9 77.0 115.6

145 32.4 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

