

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081720\
 Data File : VU039877.D
 Acq On : 17 Aug 2020 10:22
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00523

Quant Time: Aug 18 04:21:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR080320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Aug 17 05:23:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	83181	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	83197	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	45383	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	19327	4.30	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.00%
7) Chloroethane-d5	1.92	69	19796	4.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.60%
11) 1,1-Dichloroethene-d2	2.58	63	45172	4.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.80%
20) 2-Butanone-d5	4.66	46	107187	54.26	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.52%
24) Chloroform-d	5.08	84	52692	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
26) 1,2-Dichloroethane-d4	5.72	65	30770	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
32) Benzene-d6	5.74	84	85506	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.40%
36) 1,2-Dichloropropane-d6	6.70	67	29923	4.41	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.20%
41) Toluene-d8	7.90	98	74444	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.80%
43) trans-1,3-Dichloropropene-	8.19	79	12959	4.98	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.60%
46) 2-Hexanone-d5	8.64	63	80438	57.19	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.38%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	32828	4.98	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	36497	4.70	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	35314	5.265	ug/L 97
3) Chloromethane	1.53	50	38864	5.509	ug/L 95
5) Vinyl chloride	1.61	62	37897	5.603	ug/L 98
6) Bromomethane	1.86	94	20775	4.854	ug/L 100
8) Chloroethane	1.94	64	22710	4.579	ug/L 96
9) Trichlorofluoromethane	2.15	101	53598	5.096	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	31246	5.475	ug/L 96
12) 1,1-Dichloroethene	2.59	96	27689	5.580	ug/L 94
13) Acetone	2.67	43	62751	53.879	ug/L 79
14) Carbon disulfide	2.81	76	93658	6.037	ug/L 99
15) Methyl Acetate	2.97	43	15356	5.346	ug/L 100
16) Methylene chloride	3.06	84	34229	4.279	ug/L 99
17) Methyl tert-butyl Ether	3.38	73	72714	5.519	ug/L 98
18) trans-1,2-Dichloroethene	3.37	96	29197	5.285	ug/L 96
19) 1,1-Dichloroethane	3.89	63	53579	5.254	ug/L 98
21) 2-Butanone	4.74	43	109960	59.911	ug/L 97
22) cis-1,2-Dichloroethene	4.68	96	31207	5.194	ug/L 99

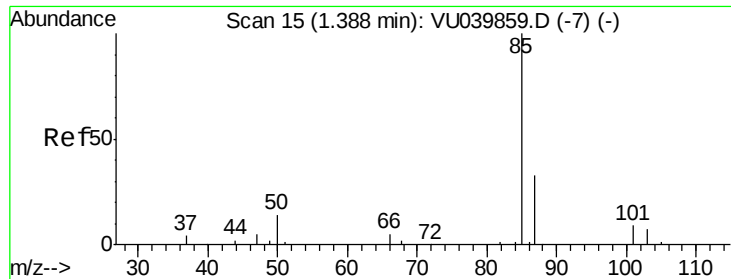
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081720\
 Data File : VU039877.D
 Acq On : 17 Aug 2020 10:22
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Aug 17 05:23:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	14597	5.172	ug/L	87
25) Chloroform	5.11	83	56157	5.122	ug/L	95
27) 1,2-Dichloroethane	5.81	62	38878	5.146	ug/L	98
29) 1,1,1-Trichloroethane	5.33	97	50277	5.418	ug/L	95
30) Cyclohexane	5.40	56	48422	5.422	ug/L	98
31) Carbon tetrachloride	5.54	117	43490	5.107	ug/L	96
33) Benzene	5.79	78	119991	5.293	ug/L	100
34) Trichloroethene	6.55	95	30674	5.210	ug/L	98
35) Methylcyclohexane	6.77	83	49636	5.282	ug/L	96
37) 1,2-Dichloropropane	6.80	63	31745	5.273	ug/L	98
38) Bromodichloromethane	7.11	83	41923	5.322	ug/L	98
39) cis-1,3-Dichloropropene	7.61	75	45209	5.506	ug/L	98
40) 4-Methyl-2-pentanone	7.80	43	260678	57.939	ug/L	99
42) Toluene	7.97	91	123938	5.203	ug/L	97
44) trans-1,3-Dichloropropene	8.21	75	42073	5.688	ug/L	92
45) 1,1,2-Trichloroethane	8.41	97	24008	5.301	ug/L	97
47) Tetrachloroethene	8.56	164	25143	5.177	ug/L	95
48) 2-Hexanone	8.69	43	192437	59.231	ug/L	98
49) Dibromochloromethane	8.81	129	29012	5.220	ug/L	94
50) 1,2-Dibromoethane	8.93	107	24656	5.552	ug/L	95
51) Chlorobenzene	9.45	112	80774	5.046	ug/L	98
52) Ethylbenzene	9.57	91	133826	5.020	ug/L	98
53) m,p-Xylene	9.70	106	54173	5.336	ug/L	100
54) o-Xylene	10.10	106	51404	5.171	ug/L	88
55) Styrene	10.11	104	88404	5.281	ug/L	98
56) Isopropylbenzene	10.48	105	134235	5.052	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	32894	5.280	ug/L	96
59) 1,2,3-Trichloropropane	10.82	75	24193	5.571	ug/L	97
61) Bromoform	10.29	173	17002	5.545	ug/L #	88
62) 1,3-Dichlorobenzene	11.74	146	70094	5.277	ug/L	96
63) 1,4-Dichlorobenzene	11.83	146	70549	5.038	ug/L	99
65) 1,2-Dichlorobenzene	12.20	146	66543	5.085	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.99	75	5292	5.349	ug/L	92
67) 1,3,5-Trichlorobenzene	13.21	180	51897	5.155	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	46963	5.567	ug/L	99
69) Naphthalene	14.08	128	84154	5.579	ug/L	96
70) 1,2,3-Trichlorobenzene	14.32	180	42973	5.678	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 5.265 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU039877.D

Acq: 17 Aug 2020 10:22

Instrument :

MSVOA_U

ClientSampleId :

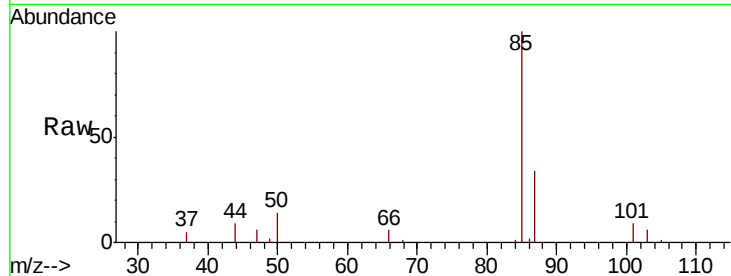
VSTD00523

Tot Ion: 85 Resp: 35314

Ion Ratio Lower Upper

85 100

87 33.5 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VU039859.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU039859.D (-7) (-)

1.39

40000

30000

20000

10000

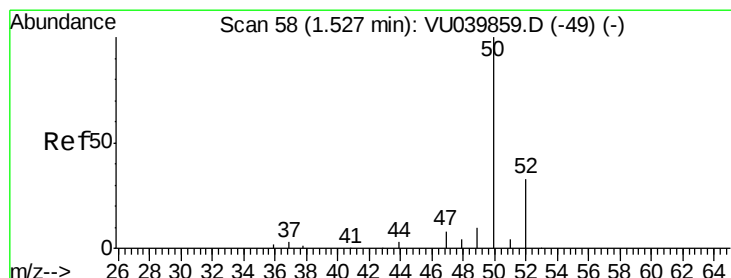
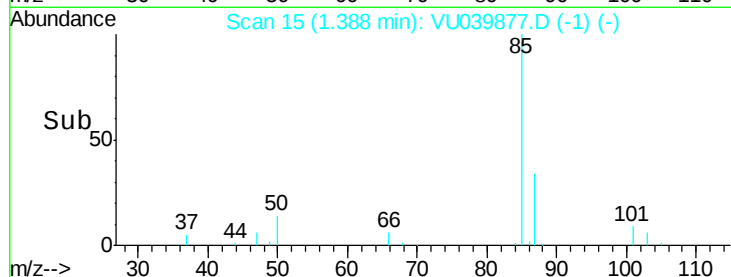
0

1.35

1.40

1.45

Time-->



#3

Chloromethane

Concen: 5.509 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU039877.D

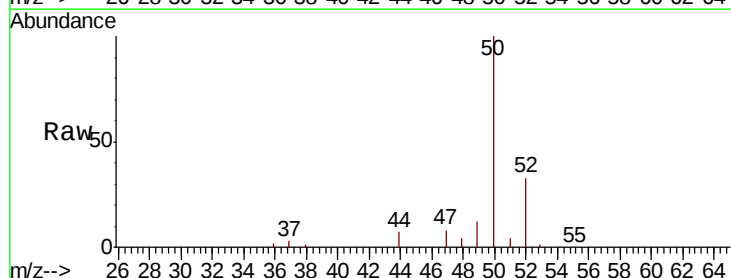
Acq: 17 Aug 2020 10:22

Tgt Ion: 50 Resp: 38864

Ion Ratio Lower Upper

50 100

52 33.4 21.6 40.0



Abundance Ion 50.05 (49.75 to 50.75): VU039859.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU039859.D (-49) (-)

1.53

40000

30000

20000

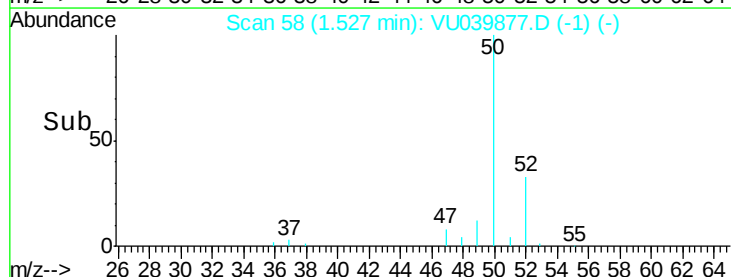
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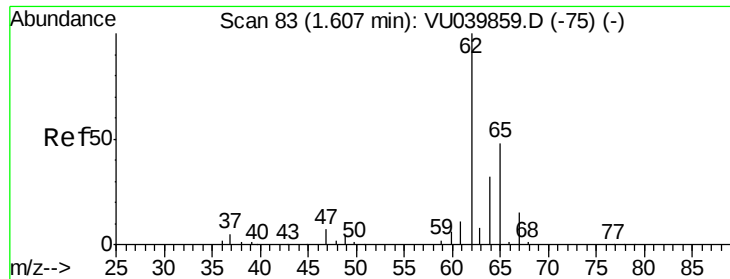
0

1.50

1.55

Time-->





#5

Vinyl chloride

Concen: 5.603 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039877.D

Acq: 17 Aug 2020 10:22

Instrument :

MSVOA_U

ClientSampleId :

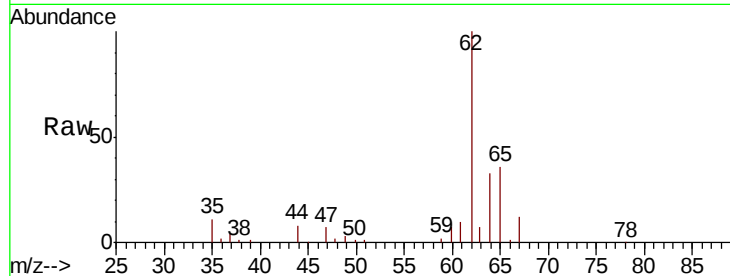
VSTD00523

Tot Ion: 62 Resp: 37897

Ion Ratio Lower Upper

62 100

64 33.3 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VU039877.D (-1) (-)

Ion 64.10 (63.80 to 64.80): VU039877.D (-1) (-)

1.61

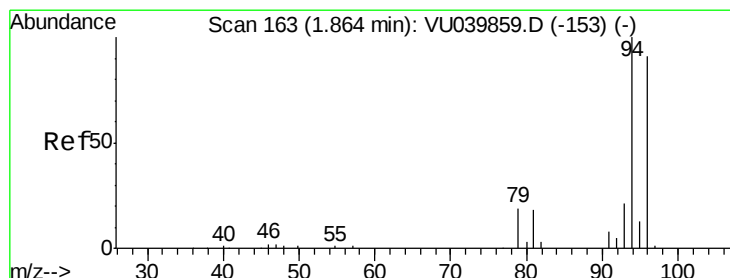
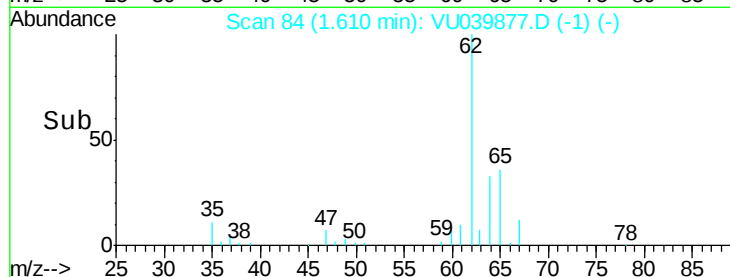
30000

20000

10000

0

Time--> 1.55 1.60 1.65



#6

Bromomethane

Concen: 4.854 ug/L

RT: 1.86 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU039877.D

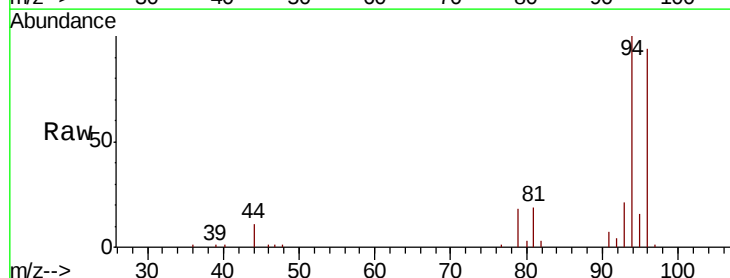
Acq: 17 Aug 2020 10:22

Tgt Ion: 94 Resp: 20775

Ion Ratio Lower Upper

94 100

96 94.3 65.8 122.2



Abundance Ion 94.00 (93.70 to 94.70): VU039877.D (-70) (-)

Ion 96.00 (95.70 to 96.70): VU039877.D (-70) (-)

1.86

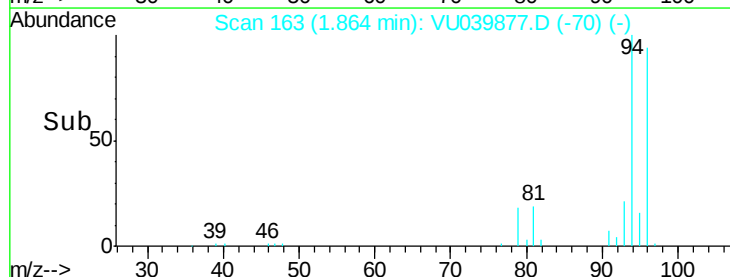
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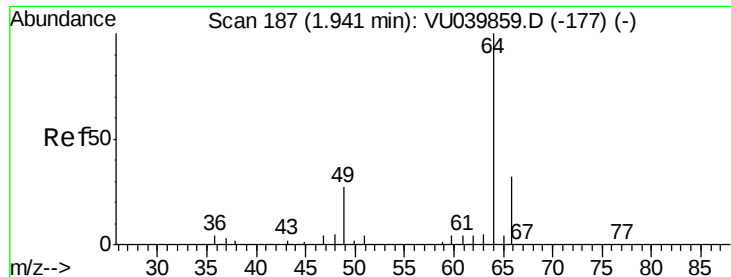
10000

5000

0

Time--> 1.80 1.85 1.90

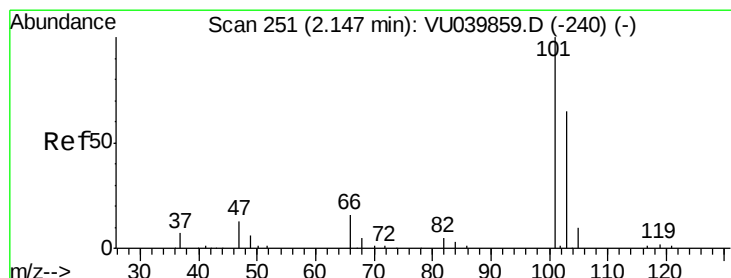
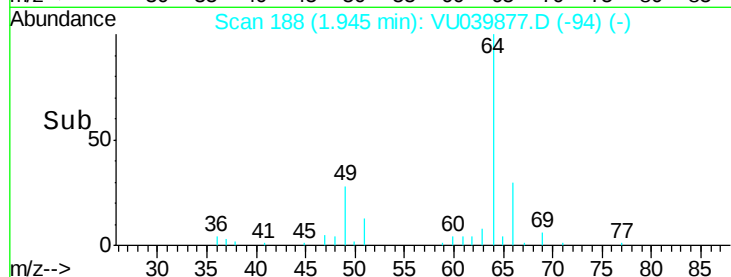
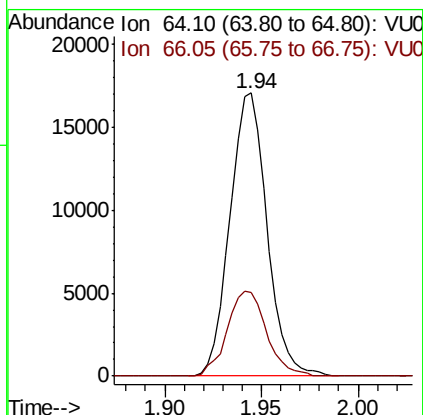
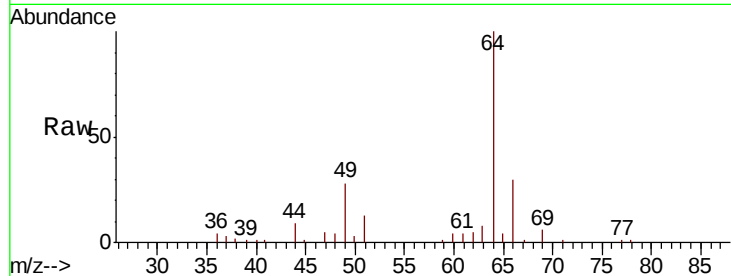




#8
Chloroethane
Concen: 4.579 ug/L
RT: 1.94 min Scan# 188
Delta R.T. 0.00 min
Lab File: VU039877.D
Acq: 17 Aug 2020 10:22

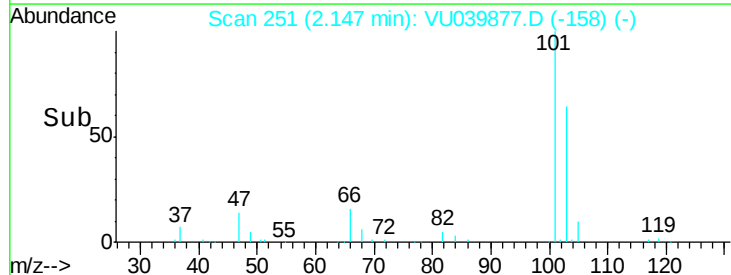
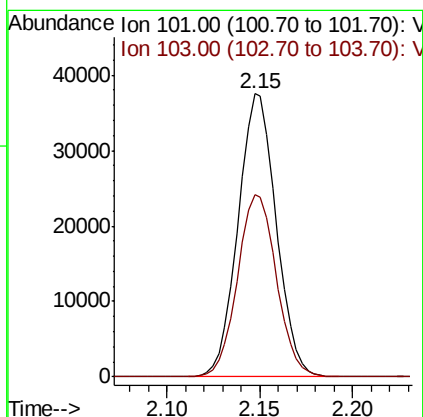
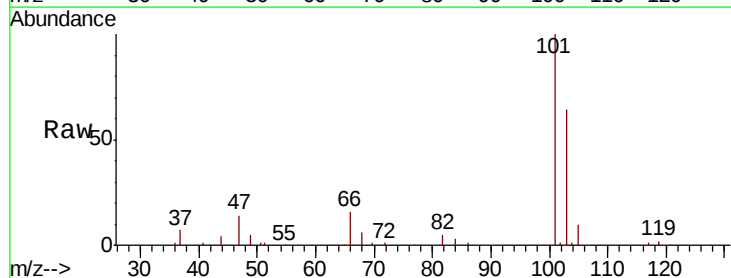
Instrument :
MSVOA_U
ClientSampleId :
VSTD00523

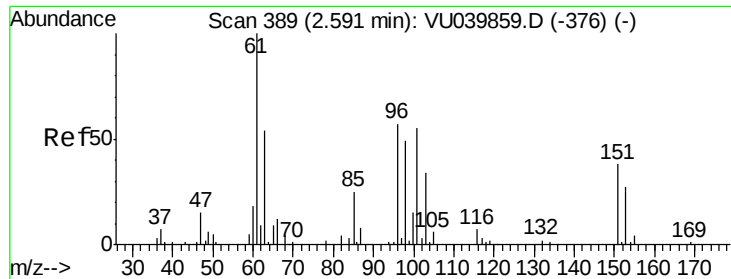
Tot Ion: 64 Resp: 22710
Ion Ratio Lower Upper
64 100
66 29.6 22.3 41.3



#9
Trichlorofluoromethane
Concen: 5.096 ug/L
RT: 2.15 min Scan# 251
Delta R.T. -0.00 min
Lab File: VU039877.D
Acq: 17 Aug 2020 10:22

Tgt Ion:101 Resp: 53598
Ion Ratio Lower Upper
101 100
103 65.7 51.4 77.2





#10

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

Concen: 5.475 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039877.D

Acq: 17 Aug 2020 10:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD00523

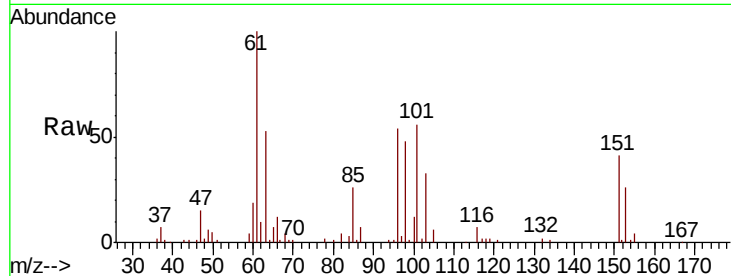
Tot Ion:101 Resp: 31246

Ion Ratio Lower Upper

101 100

85 47.6 37.9 56.9

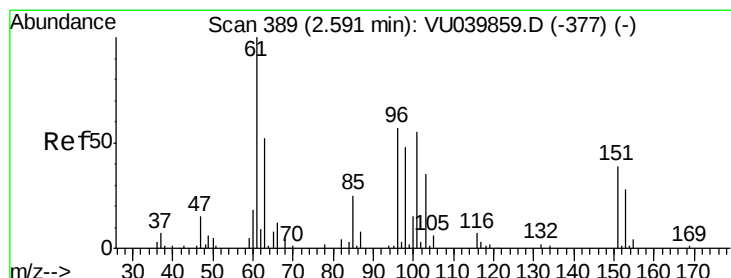
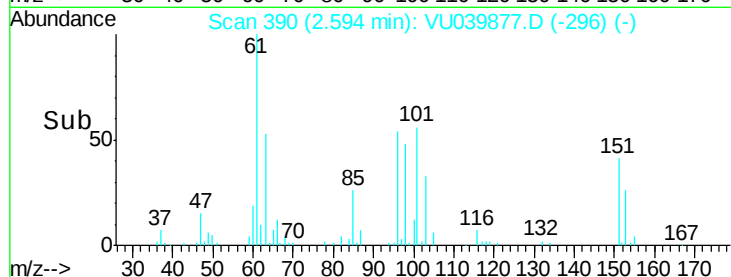
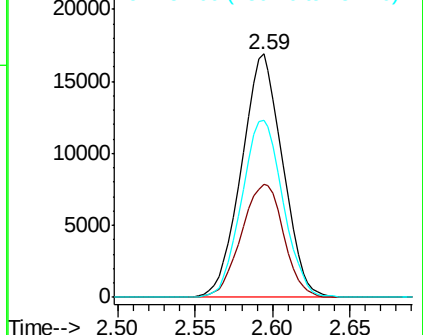
151 73.5 54.7 82.1



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: 5.580 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU039877.D

Acq: 17 Aug 2020 10:22

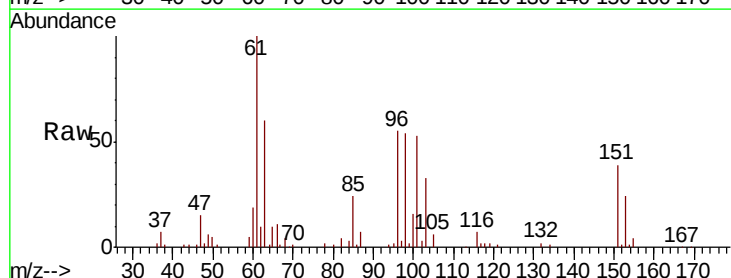
Tgt Ion: 96 Resp: 27689

Ion Ratio Lower Upper

96 100

61 181.2 121.7 225.9

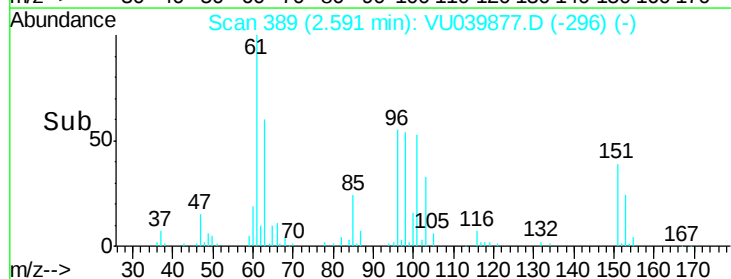
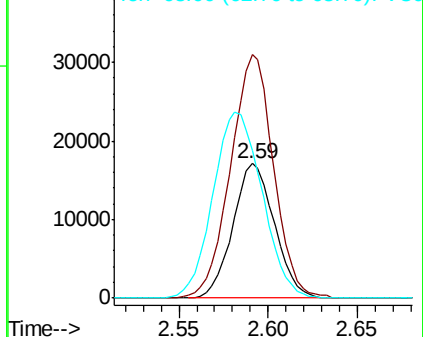
63 109.4 82.1 152.5

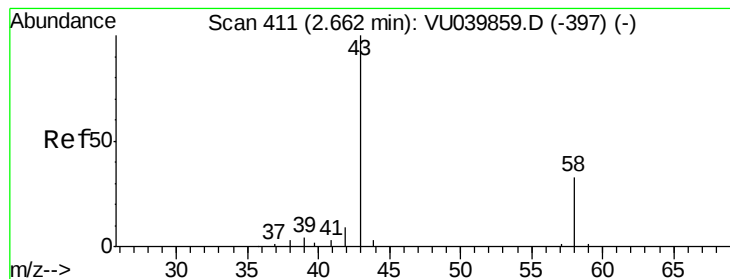


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 53.879 ug/L

RT: 2.67 min Scan# 413

Delta R.T. 0.01 min

Lab File: VU039877.D

Acq: 17 Aug 2020 10:22

Instrument :

MSVOA_U

ClientSampleId :

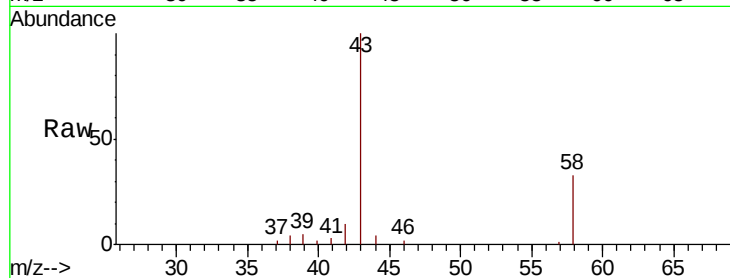
VSTD00523

Tot Ion: 43 Resp: 62751

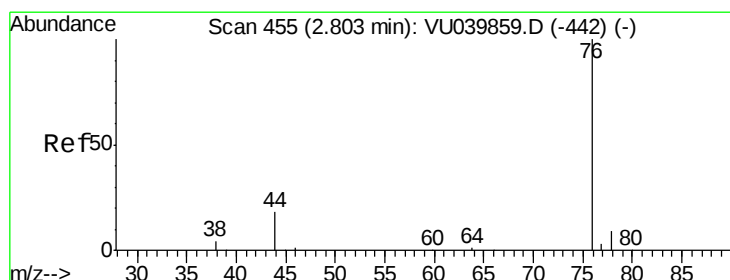
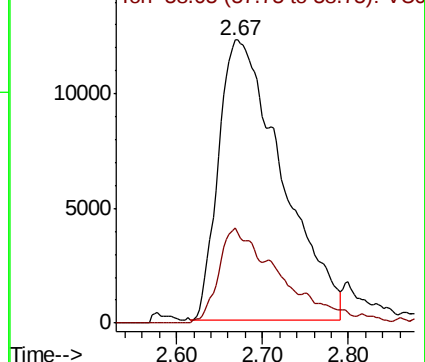
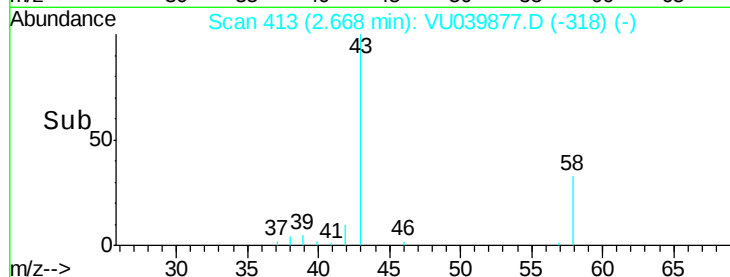
Ion Ratio Lower Upper

43 100

58 19.5 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU039877.D (-318) (-)



#14

Carbon disulfide

Concen: 6.037 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU039877.D

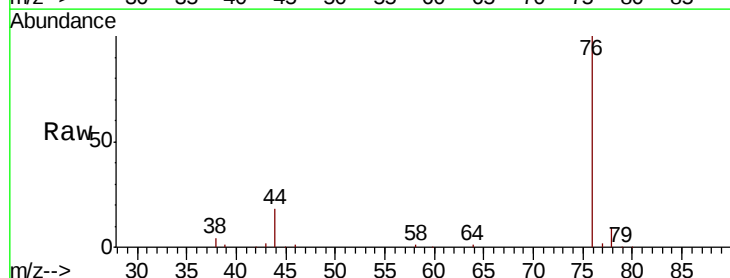
Acq: 17 Aug 2020 10:22

Tgt Ion: 76 Resp: 93658

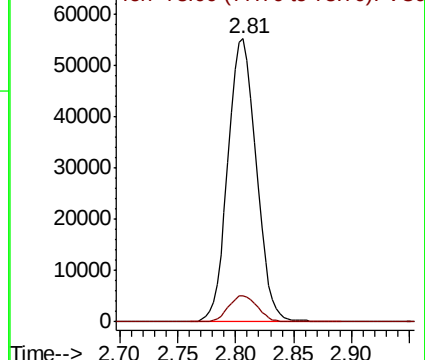
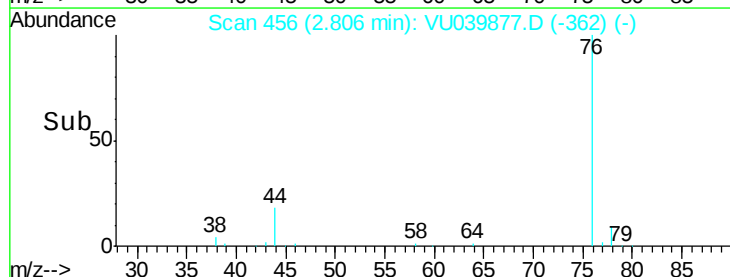
Ion Ratio Lower Upper

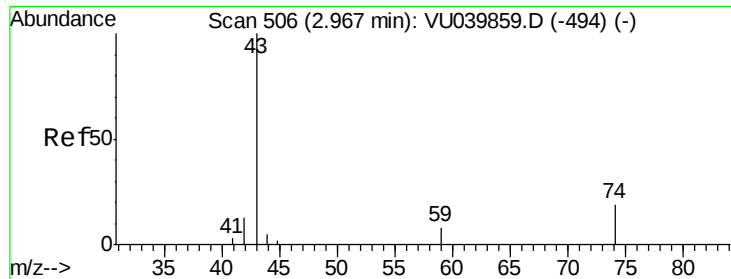
76 100

78 9.2 7.8 11.6



Abundance Ion 76.05 (75.75 to 76.75): VU039877.D (-362) (-)

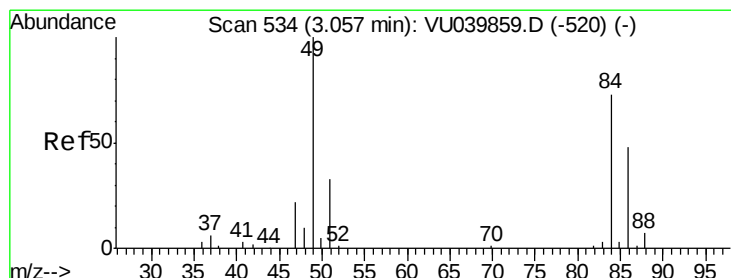
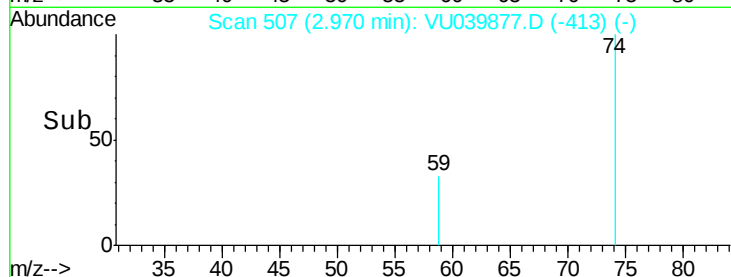
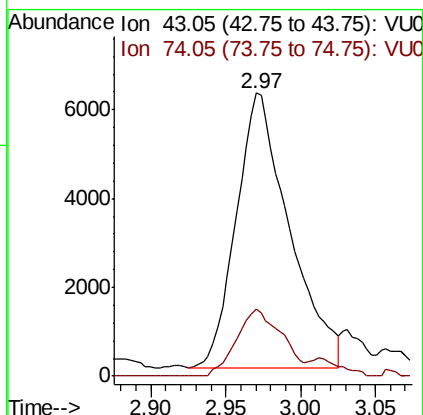
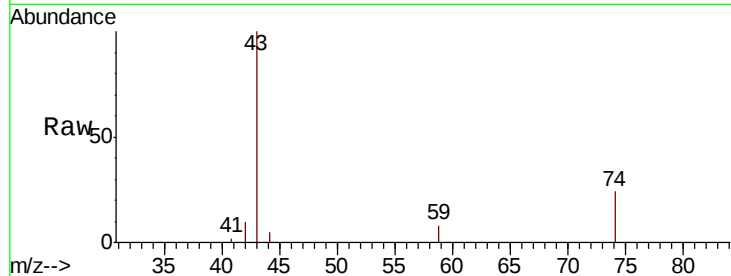




#15
Methyl Acetate
Concen: 5.346 ug/L
RT: 2.97 min Scan# 507
Delta R.T. 0.00 min
Lab File: VU039877.D
Acq: 17 Aug 2020 10:22

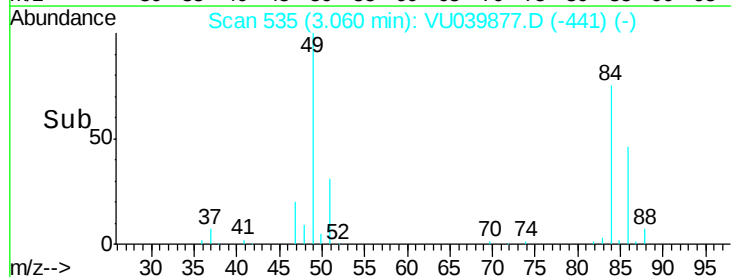
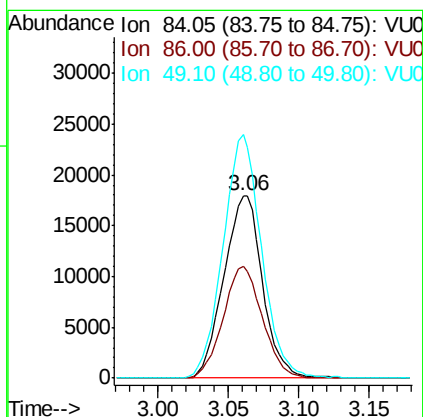
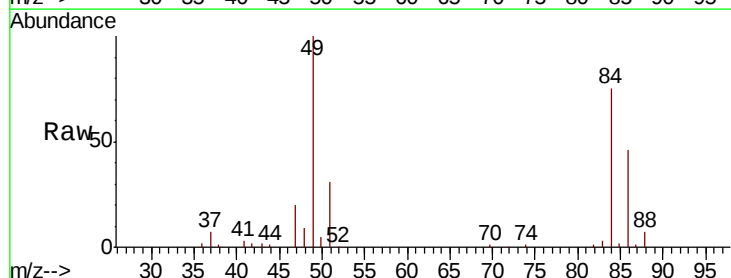
Instrument :
MSVOA_U
ClientSampleId :
VSTD00523

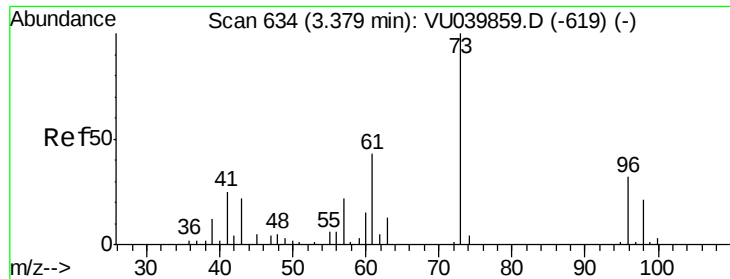
Tot Ion: 43 Resp: 15356
Ion Ratio Lower Upper
43 100
74 20.7 16.6 25.0



#16
Methylene chloride
Concen: 4.279 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU039877.D
Acq: 17 Aug 2020 10:22

Tgt Ion: 84 Resp: 34229
Ion Ratio Lower Upper
84 100
86 61.4 43.9 81.5
49 133.4 94.4 175.4

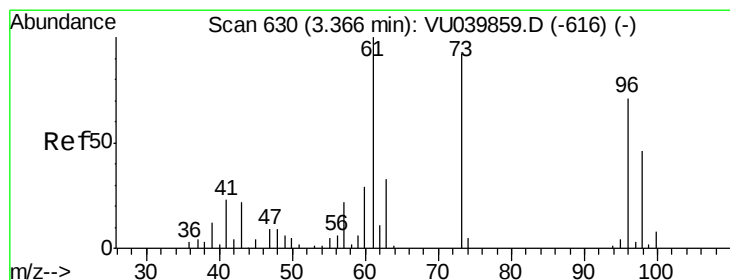
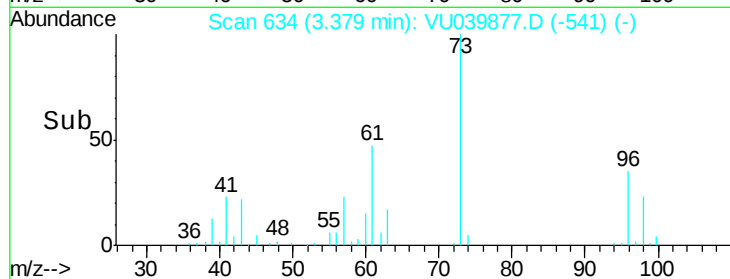
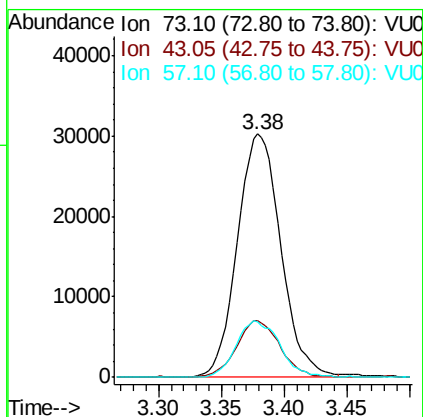
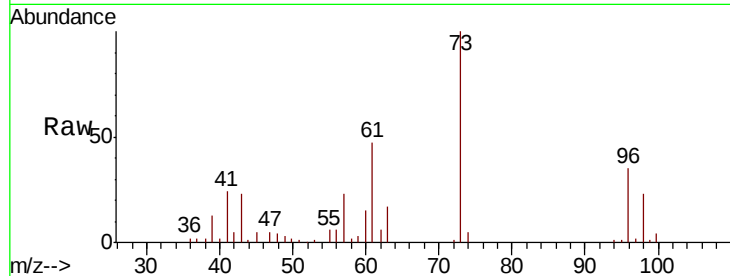




#17
Methvl tert-butvl Ether
Concen: 5.519 ug/L
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU039877.D
Acq: 17 Aug 2020 10:22

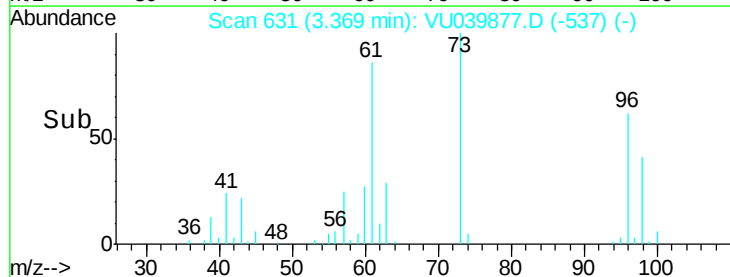
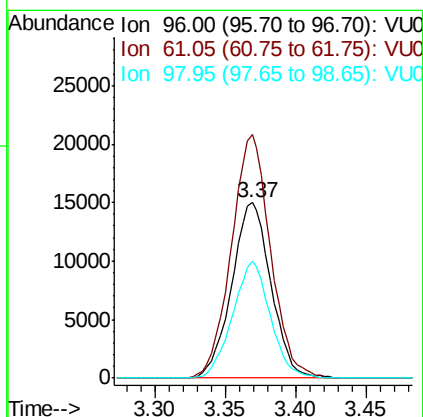
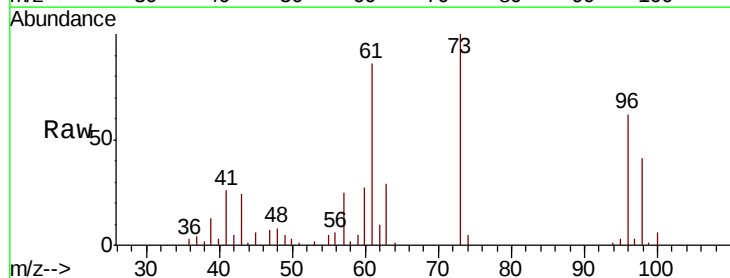
Instrument :
MSVOA_U
ClientSampleId :
VSTD00523

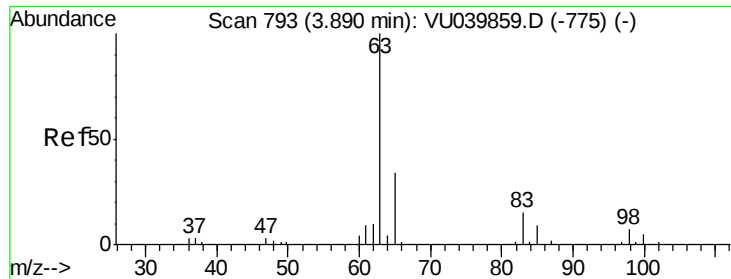
Tot Ion: 73 Resp: 72714
Ion Ratio Lower Upper
73 100
43 23.4 18.2 27.4
57 23.4 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 5.285 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU039877.D
Acq: 17 Aug 2020 10:22

Tgt Ion: 96 Resp: 29197
Ion Ratio Lower Upper
96 100
61 138.7 96.5 179.1
98 66.4 40.9 76.0

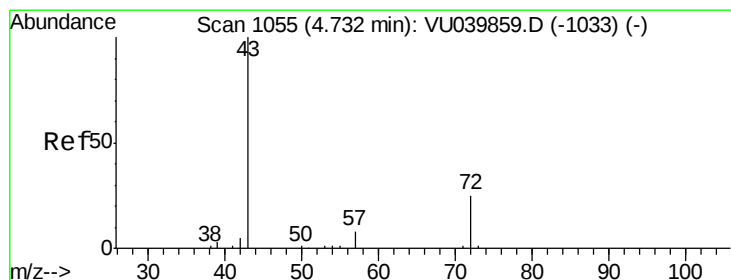
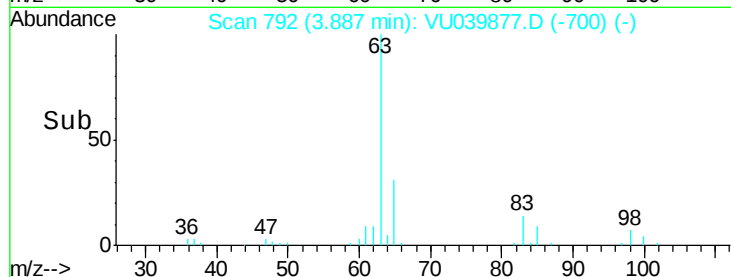
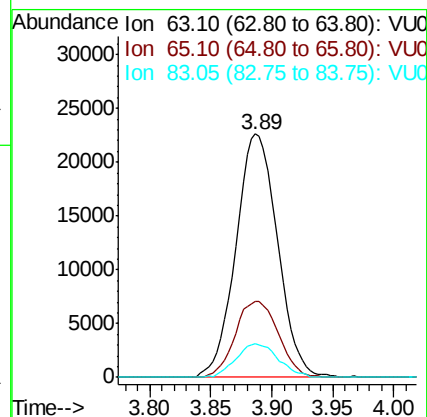
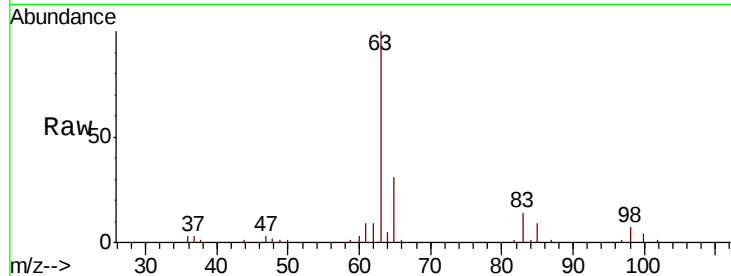




#19
 1,1-Dichloroethane
 Concen: 5.254 ug/L
 RT: 3.89 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: VU039877.D
 Acq: 17 Aug 2020 10:22

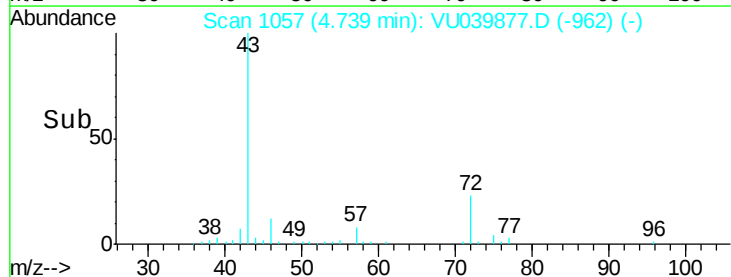
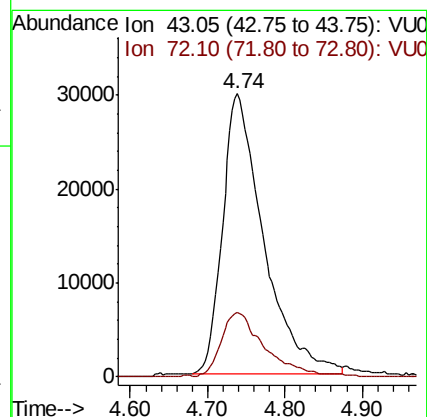
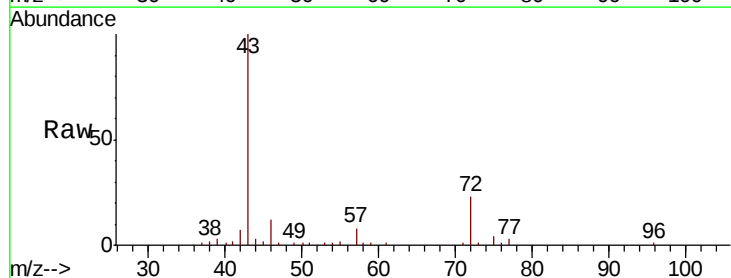
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00523

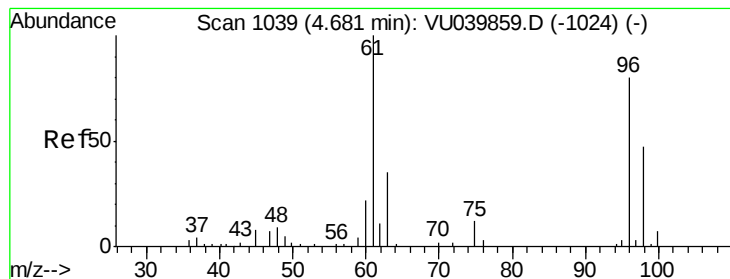
Tot Ion: 63 Resp: 53579
 Ion Ratio Lower Upper
 63 100
 65 31.2 22.0 41.0
 83 13.7 10.9 20.2



#21
 2-Butanone
 Concen: 59.911 ug/L
 RT: 4.74 min Scan# 1057
 Delta R.T. 0.01 min
 Lab File: VU039877.D
 Acq: 17 Aug 2020 10:22

Tgt Ion: 43 Resp: 109960
 Ion Ratio Lower Upper
 43 100
 72 24.5 13.0 39.0





#22

cis-1,2-Dichloroethene

Concen: 5.194 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VU039877.D

Acq: 17 Aug 2020 10:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD00523

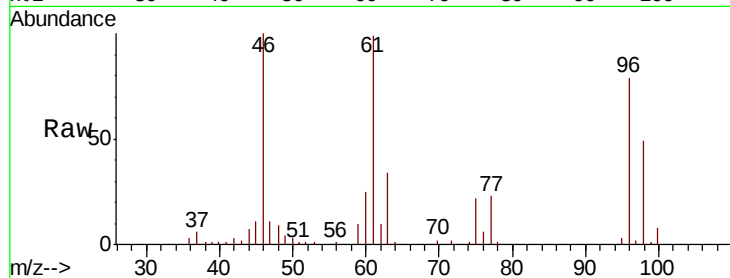
Tot Ion: 96 Resp: 31207

Ion Ratio Lower Upper

96 100

61 125.7 87.4 162.2

68 0.0 0.0 0.0

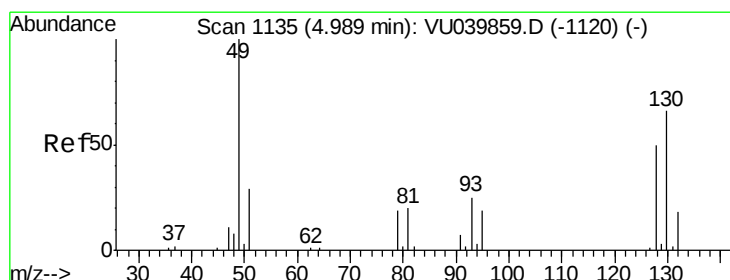
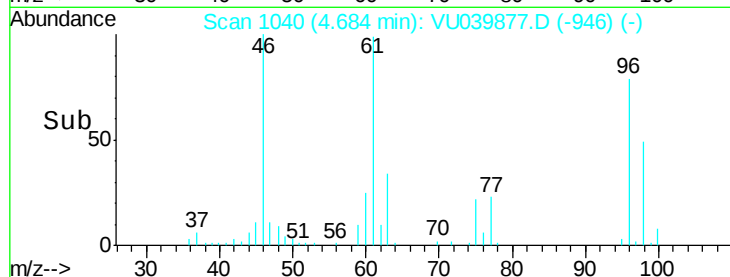
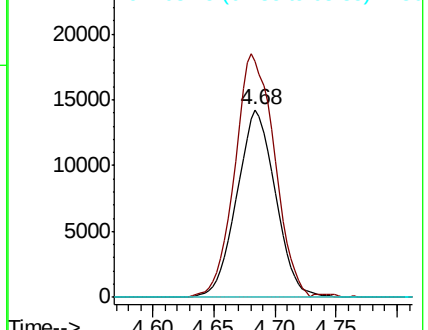


Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 5.172 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU039877.D

Acq: 17 Aug 2020 10:22

Tgt Ion: 128 Resp: 14597

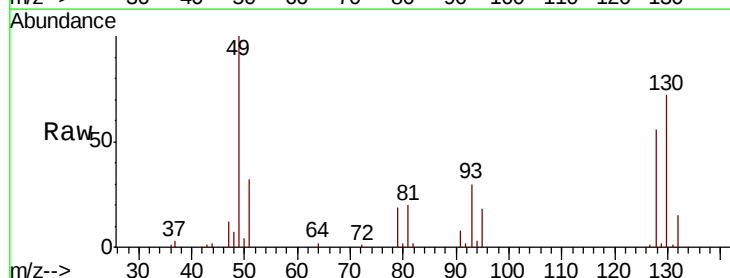
Ion Ratio Lower Upper

128 100

49 179.3 110.3 204.9

130 129.6 82.0 152.4

51 57.1 40.8 61.2



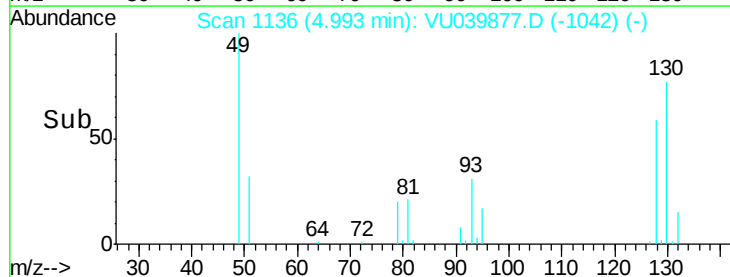
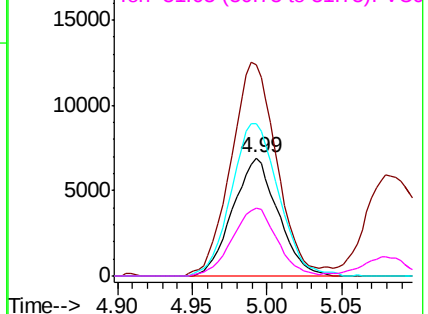
Abundance

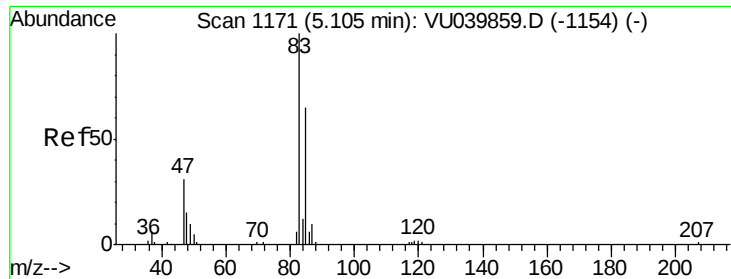
Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

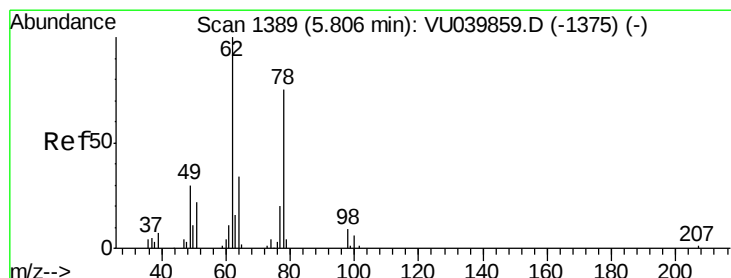
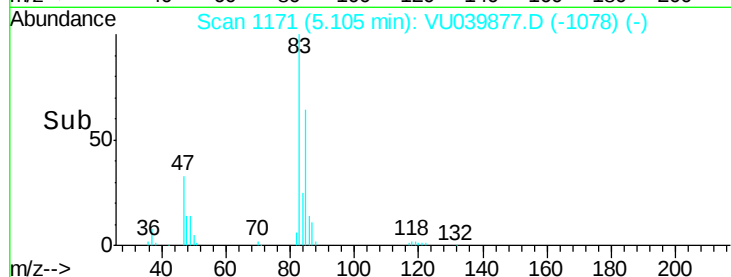
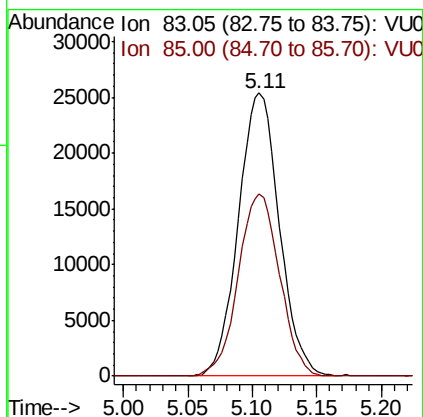
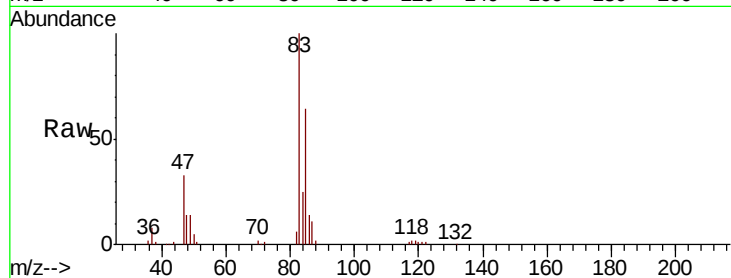




#25
Chloroform
Concen: 5.122 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU039877.D
Acq: 17 Aug 2020 10:22

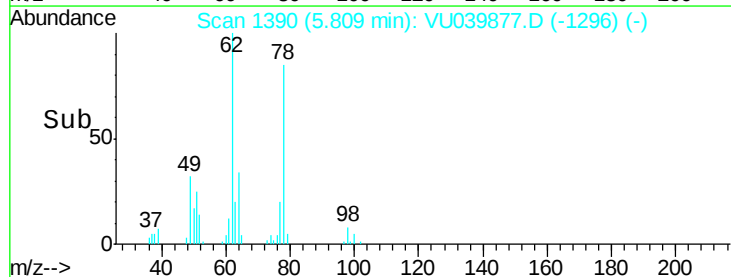
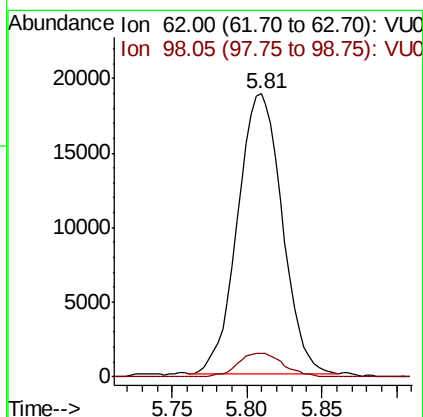
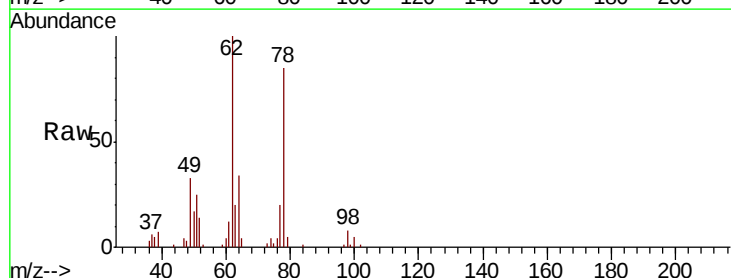
Instrument :
MSVOA_U
ClientSampleId :
VSTD00523

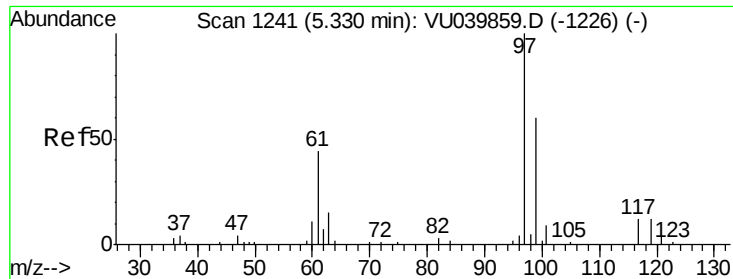
Tot Ion: 83 Resp: 56157
Ion Ratio Lower Upper
83 100
85 64.2 42.1 78.3



#27
1,2-Dichloroethane
Concen: 5.146 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU039877.D
Acq: 17 Aug 2020 10:22

Tgt Ion: 62 Resp: 38878
Ion Ratio Lower Upper
62 100
98 8.5 7.3 10.9

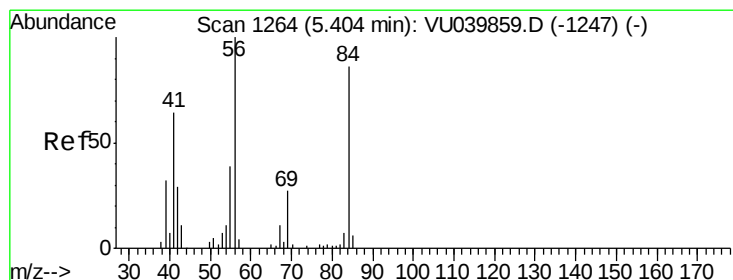
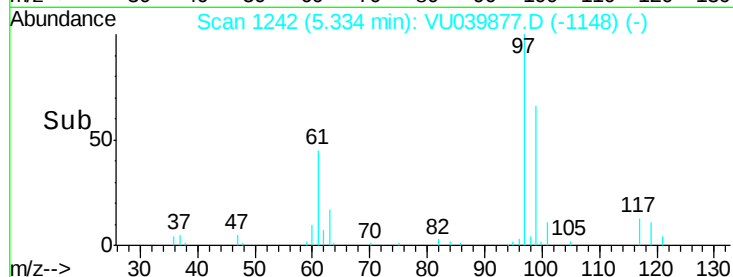
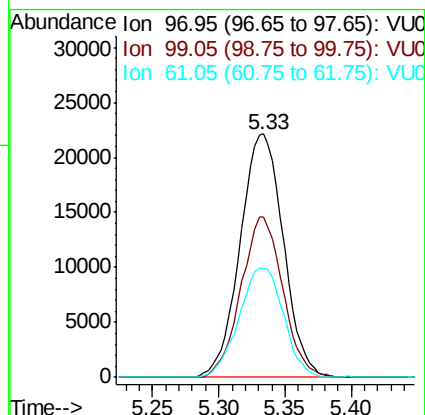
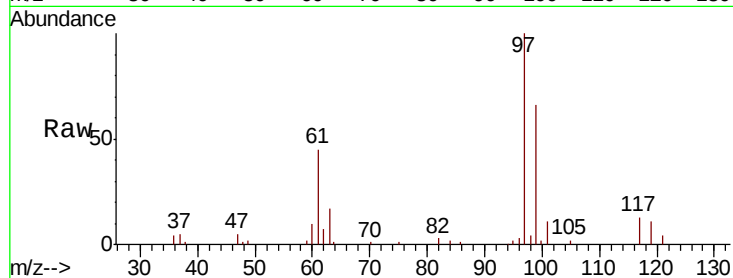




#29
 1,1,1-Trichloroethane
 Concen: 5.418 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU039877.D
 Acq: 17 Aug 2020 10:22

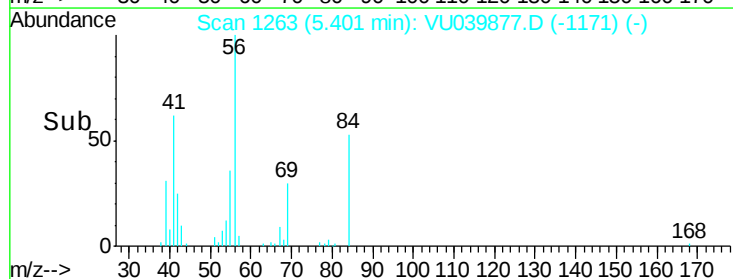
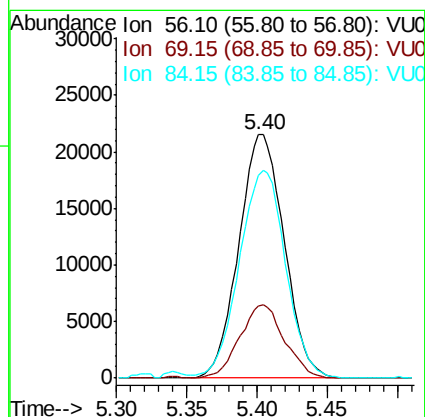
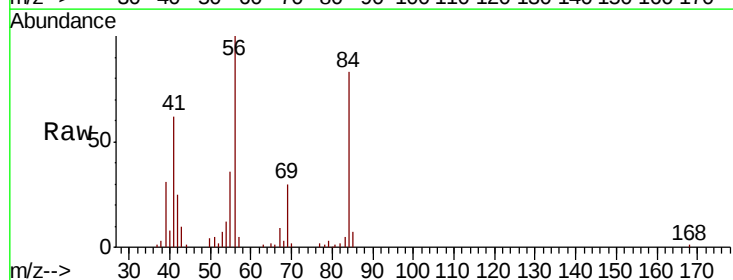
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00523

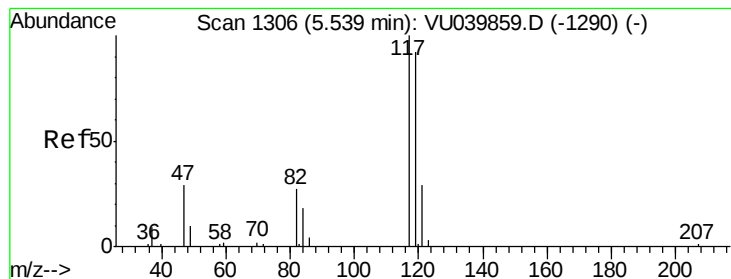
Tot Ion: 97 Resp: 50277
 Ion Ratio Lower Upper
 97 100
 99 63.5 52.8 79.2
 61 46.0 40.5 60.7



#30
 Cyclohexane
 Concen: 5.422 ug/L
 RT: 5.40 min Scan# 1263
 Delta R.T. -0.00 min
 Lab File: VU039877.D
 Acq: 17 Aug 2020 10:22

Tgt Ion: 56 Resp: 48422
 Ion Ratio Lower Upper
 56 100
 69 29.4 24.4 36.6
 84 87.4 71.3 106.9





#31

Carbon tetrachloride

Concen: 5.107 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. -0.00 min

Lab File: VU039877.D

Acq: 17 Aug 2020 10:22

Instrument :

MSVOA_U

ClientSampleId :

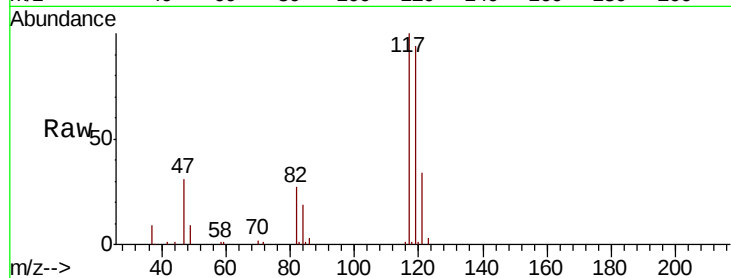
VSTD00523

Tot Ion:117 Resp: 43490

Ion Ratio Lower Upper

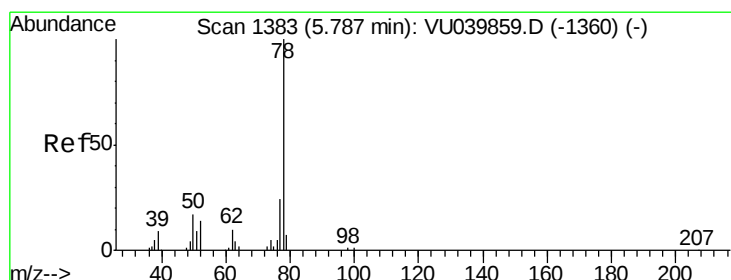
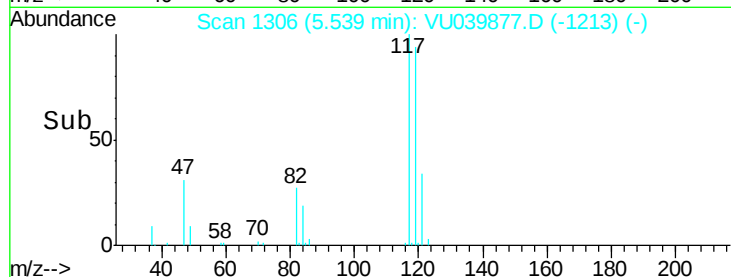
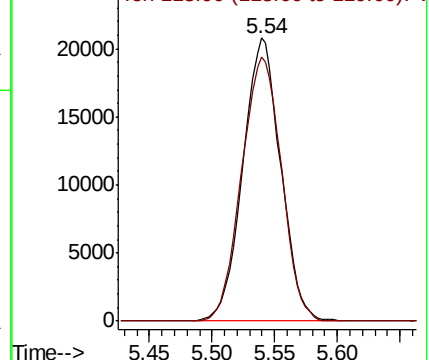
117 100

119 98.0 75.5 113.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.293 ug/L

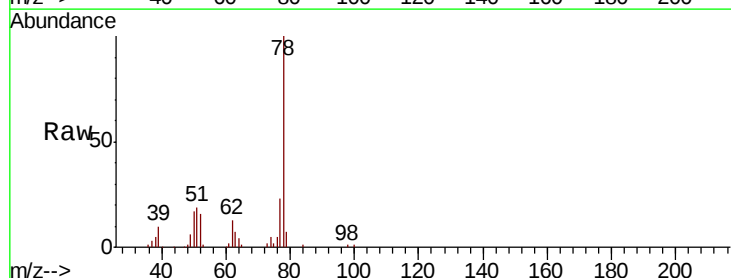
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

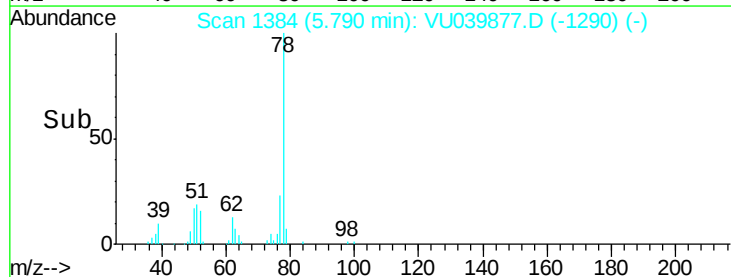
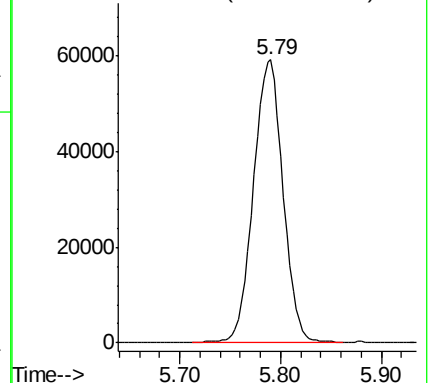
Lab File: VU039877.D

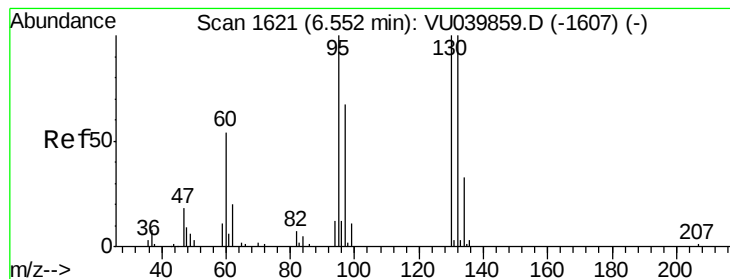
Acq: 17 Aug 2020 10:22

Tgt Ion: 78 Resp: 119991



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.210 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VU039877.D

Acq: 17 Aug 2020 10:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD00523

Tot Ion: 95 Resp: 30674

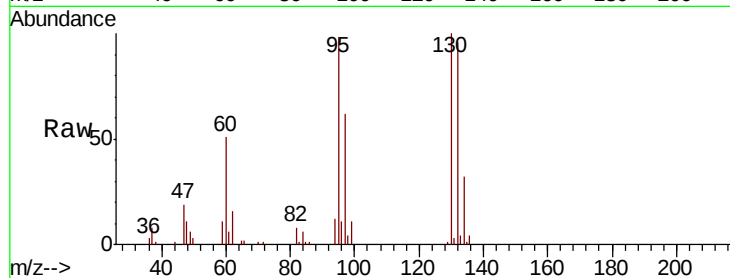
Ion Ratio Lower Upper

95 100

97 63.0 44.0 81.8

132 97.6 71.7 133.3

130 101.8 71.1 132.1

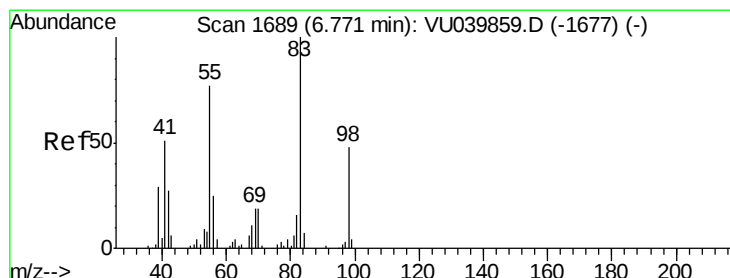
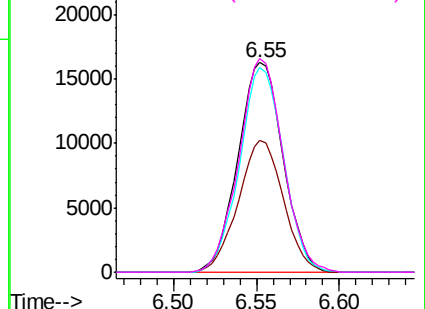
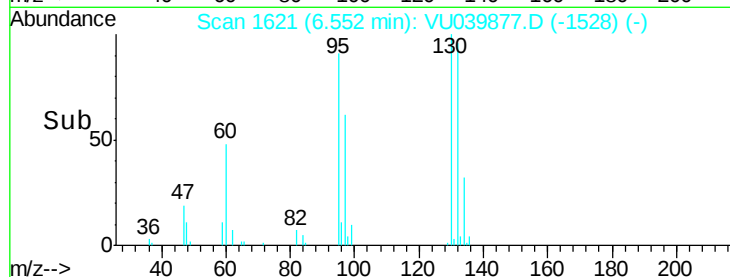


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 5.282 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VU039877.D

Acq: 17 Aug 2020 10:22

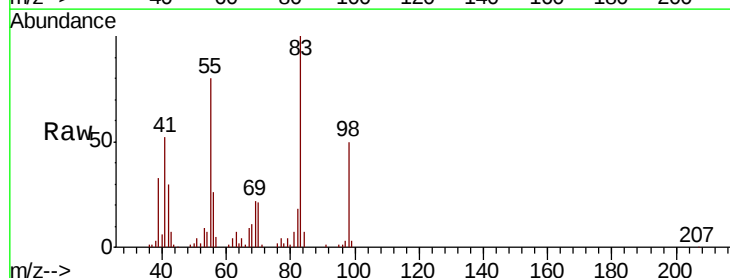
Tgt Ion: 83 Resp: 49636

Ion Ratio Lower Upper

83 100

55 78.5 59.4 89.0

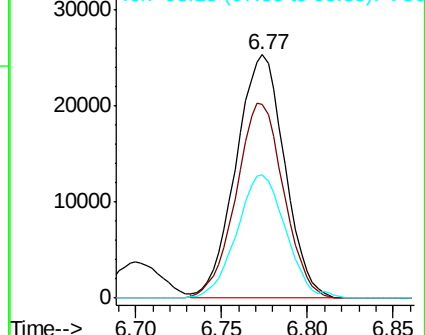
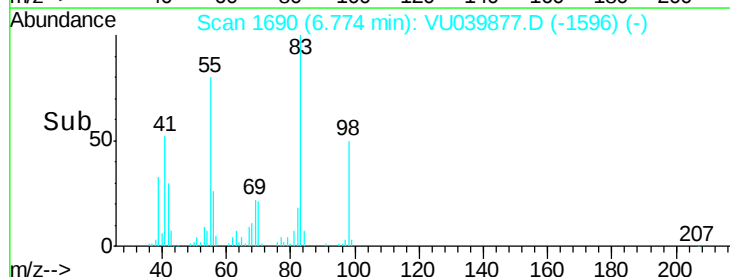
98 50.9 39.0 58.4

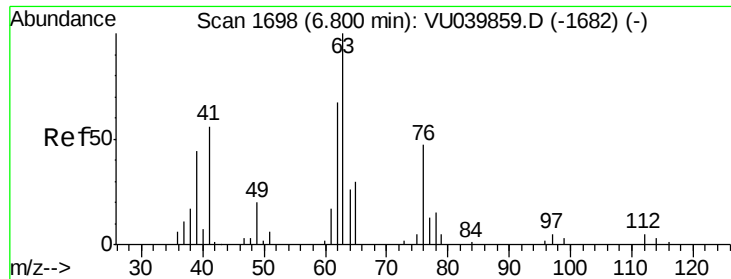


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

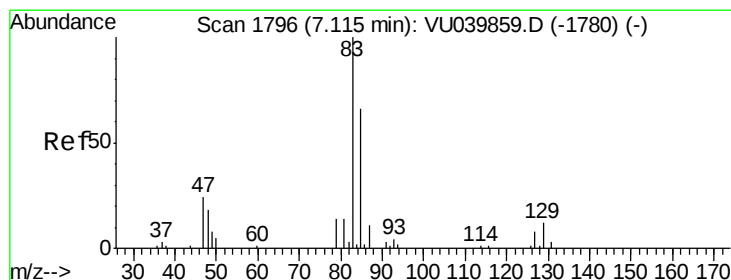
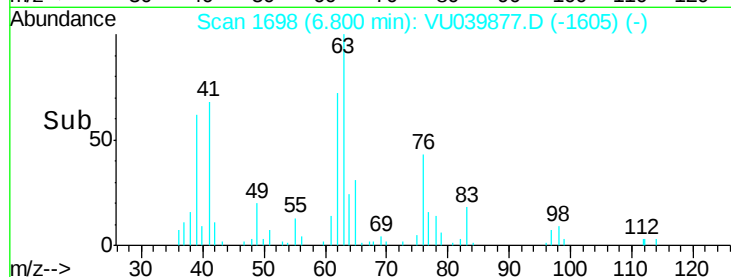
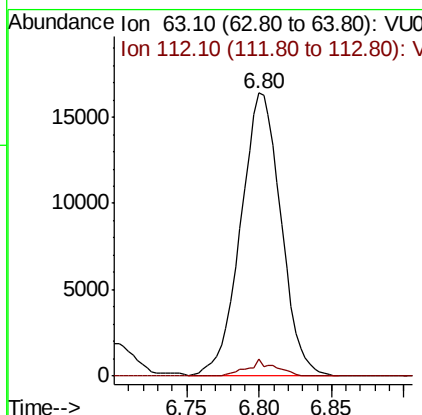
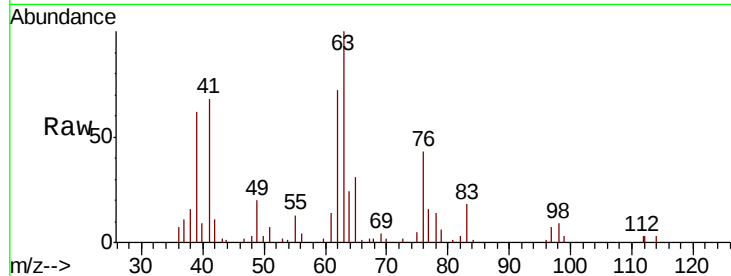




#37
 1,2-Dichloropropane
 Concen: 5.273 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VU039877.D
 Acq: 17 Aug 2020 10:22

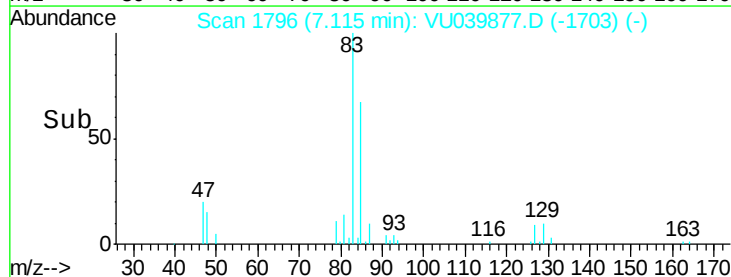
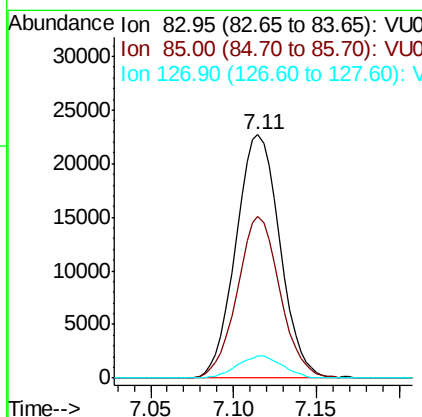
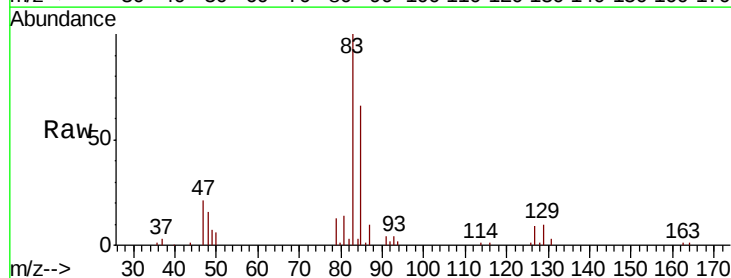
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00523

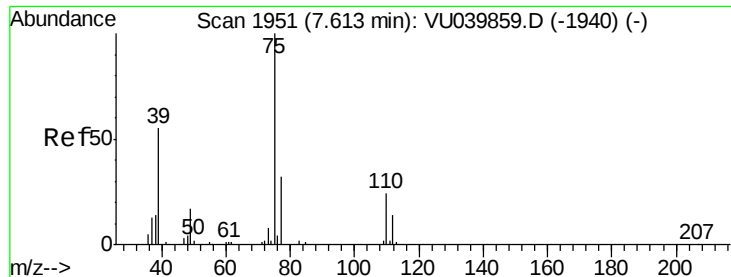
Tot Ion: 63 Resp: 31745
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.8 5.6



#38
 Bromodichloromethane
 Concen: 5.322 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU039877.D
 Acq: 17 Aug 2020 10:22

Tgt Ion: 83 Resp: 41923
 Ion Ratio Lower Upper
 83 100
 85 66.3 45.3 84.1
 127 9.0 7.5 11.3



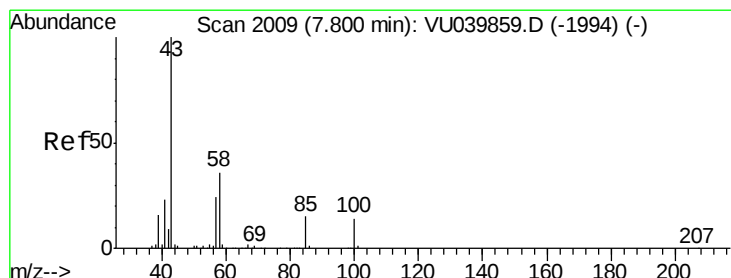
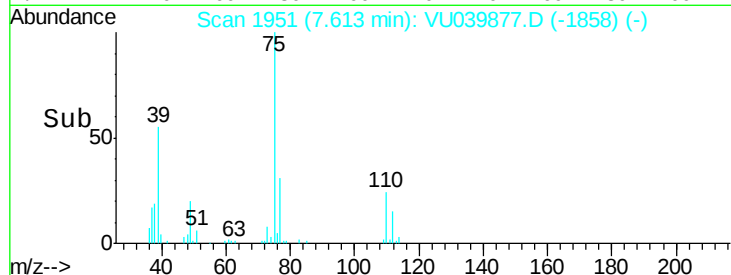
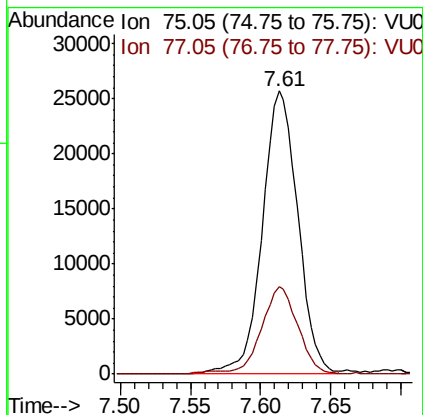
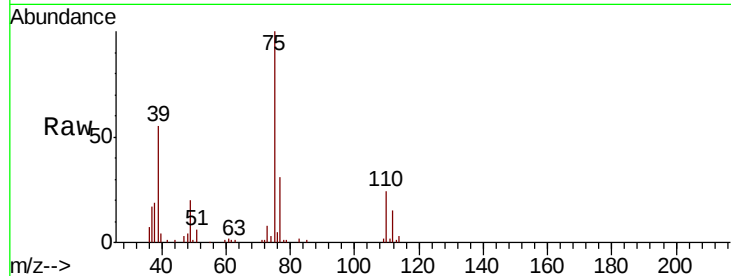


#39

cis-1,3-Dichloropropene
 Concen: 5.506 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VU039877.D
 Acq: 17 Aug 2020 10:22

Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00523

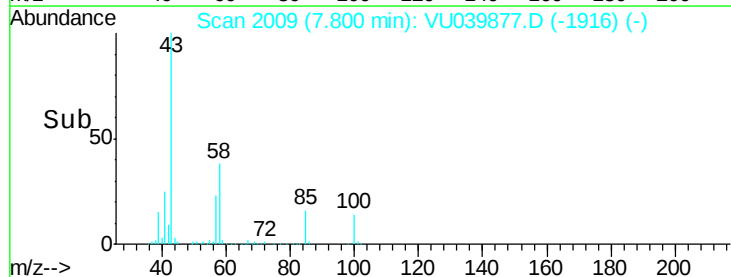
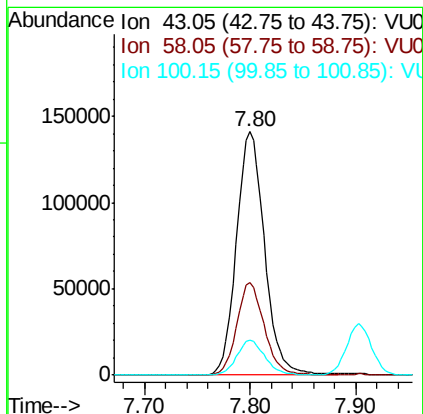
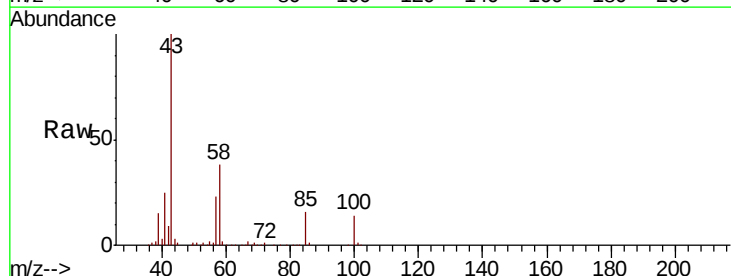
Tot Ion: 75 Resp: 45209
 Ion Ratio Lower Upper
 75 100
 77 30.8 22.4 41.6

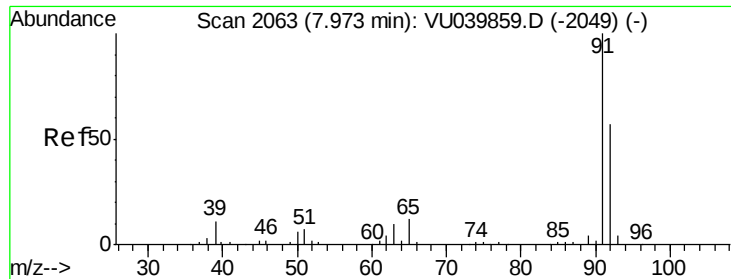


#40

4-Methyl-2-pentanone
 Concen: 57.939 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU039877.D
 Acq: 17 Aug 2020 10:22

Tgt Ion: 43 Resp: 260678
 Ion Ratio Lower Upper
 43 100
 58 37.3 29.4 44.2
 100 14.4 11.7 17.5





#42

Toluene

Concen: 5.203 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU039877.D

Acq: 17 Aug 2020 10:22

Instrument :

MSVOA_U

ClientSampleId :

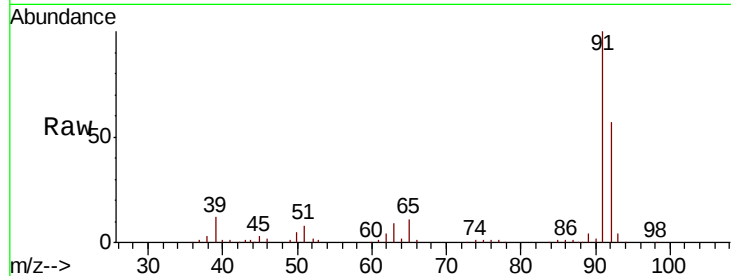
VSTD00523

Tot Ion: 91 Resp: 123938

Ion Ratio Lower Upper

91 100

92 57.2 41.6 77.3



Abundance Ion 91.15 (90.85 to 91.85): VU039859.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU039877.D (-1970) (-)

7.97

80000

60000

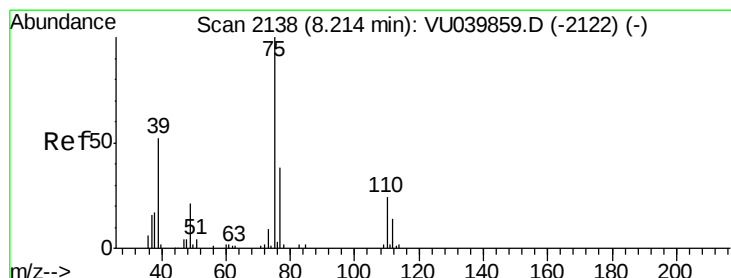
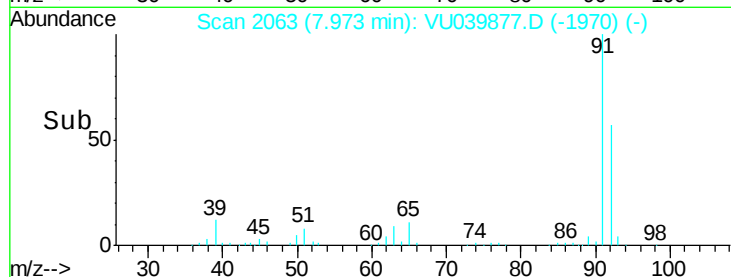
40000

20000

0

Time-->

7.90 7.95 8.00 8.05



#44

trans-1,3-Dichloropropene

Concen: 5.688 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU039877.D

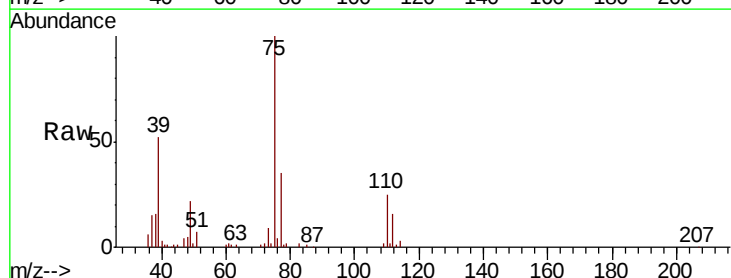
Acq: 17 Aug 2020 10:22

Tgt Ion: 75 Resp: 42073

Ion Ratio Lower Upper

75 100

77 35.4 21.6 40.2



Abundance Ion 75.05 (74.75 to 75.75): VU039859.D (-2122) (-)

Ion 77.05 (76.75 to 77.75): VU039877.D (-2045) (-)

8.21

30000

25000

20000

15000

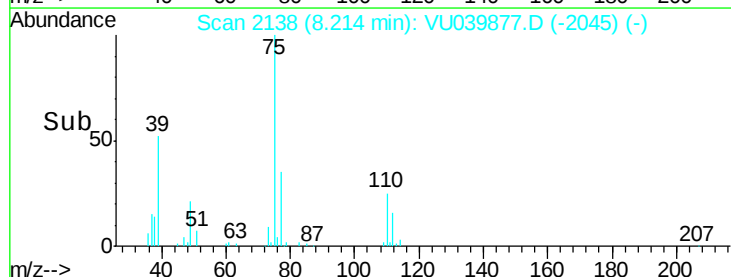
10000

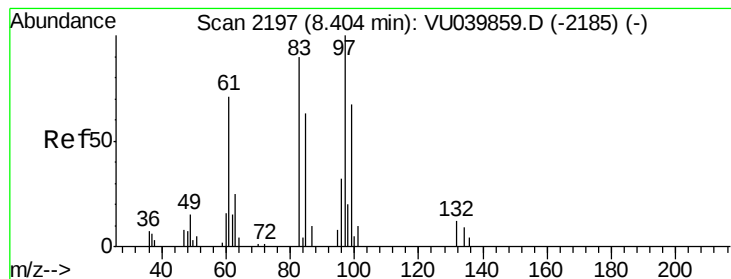
5000

0

Time-->

8.15 8.20 8.25 8.30





#45

1,1,2-Trichloroethane

Concen: 5.301 ug/L

RT: 8.41 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VU039877.D

Acq: 17 Aug 2020 10:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD00523

Tot Ion: 97 Resp: 24008

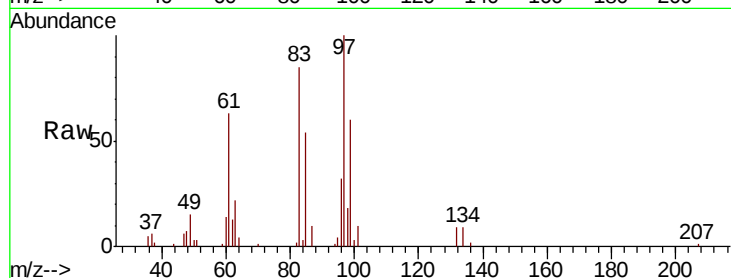
Ion Ratio Lower Upper

97 100

99 59.6 42.0 78.0

83 85.0 55.2 102.4

85 53.5 37.0 68.6

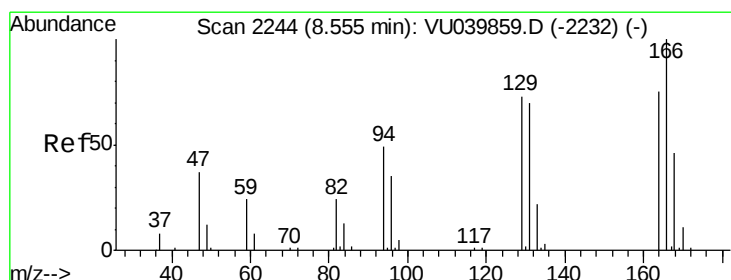
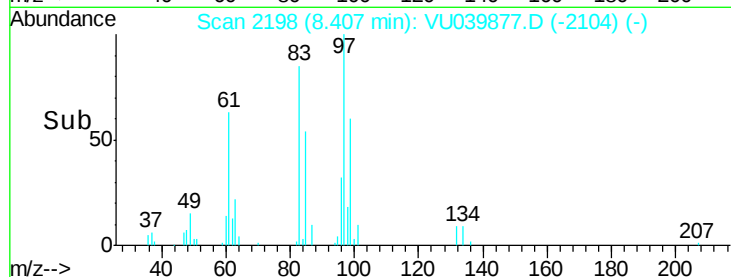
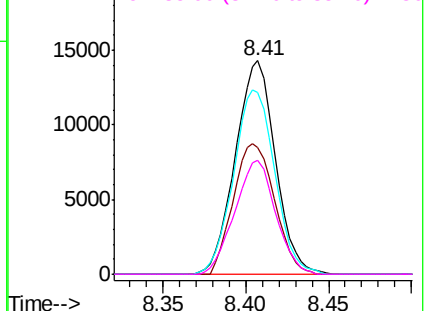


Abundance Ion 96.95 (96.65 to 97.65): VU039877.D (-2104) (-)

Ion 99.05 (98.75 to 99.75): VU039877.D (-2104) (-)

Ion 82.95 (82.65 to 83.65): VU039877.D (-2104) (-)

Ion 85.00 (84.70 to 85.70): VU039877.D (-2104) (-)



#47

Tetrachloroethene

Concen: 5.177 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VU039877.D

Acq: 17 Aug 2020 10:22

Tgt Ion:164 Resp: 25143

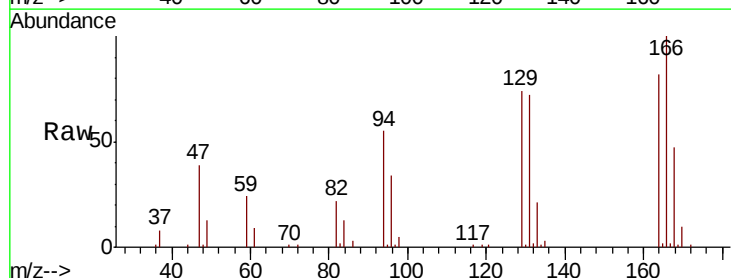
Ion Ratio Lower Upper

164 100

129 89.7 65.9 122.5

131 88.0 68.1 126.5

166 121.5 84.5 156.9

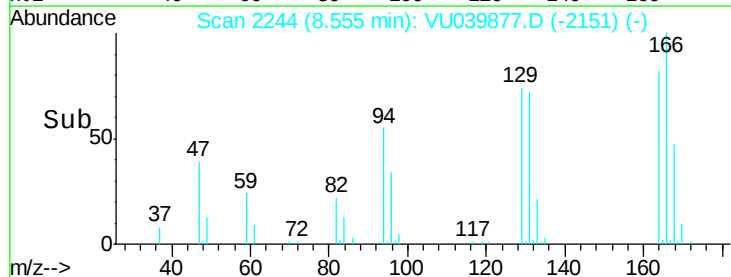
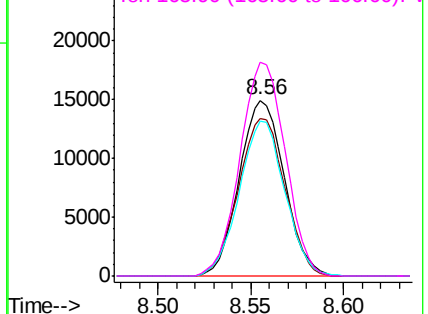


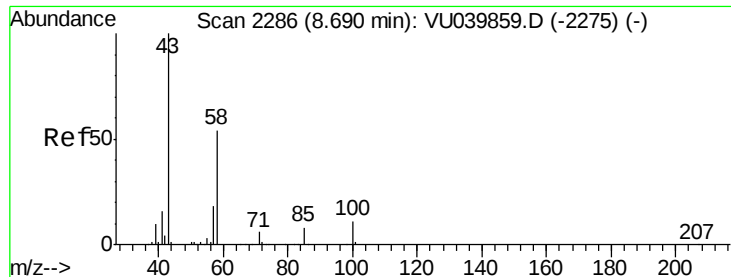
Abundance Ion 163.90 (163.60 to 164.60): VU039877.D (-2151) (-)

Ion 128.95 (128.65 to 129.65): VU039877.D (-2151) (-)

Ion 130.95 (130.65 to 131.65): VU039877.D (-2151) (-)

Ion 165.90 (165.60 to 166.60): VU039877.D (-2151) (-)

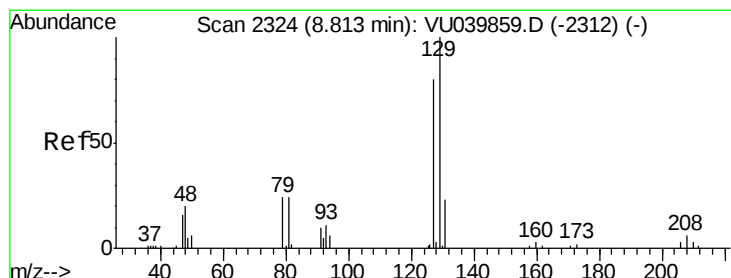
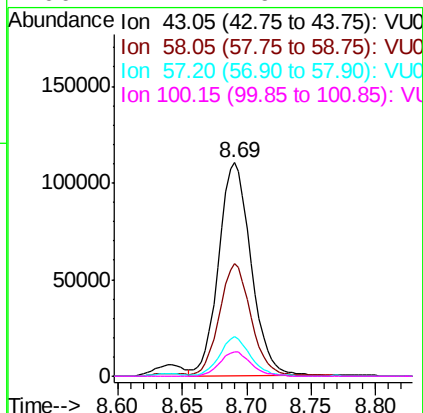
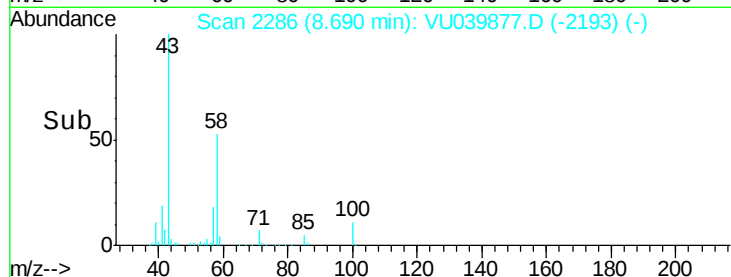
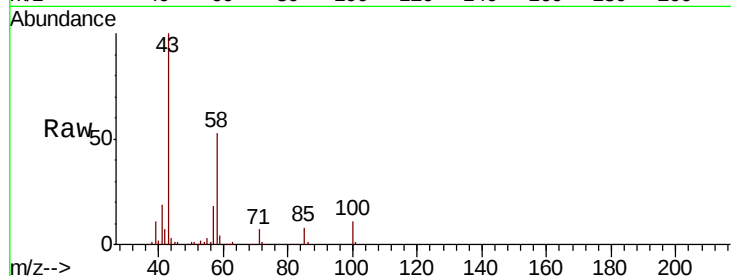




#48
2-Hexanone
Concen: 59.231 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU039877.D
Acq: 17 Aug 2020 10:22

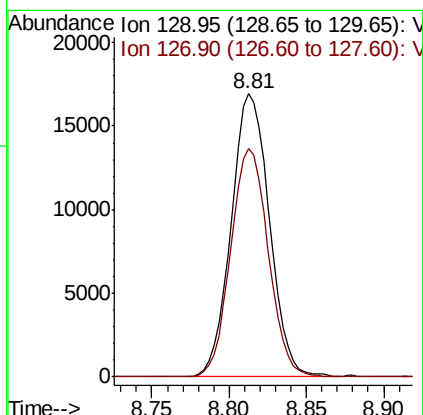
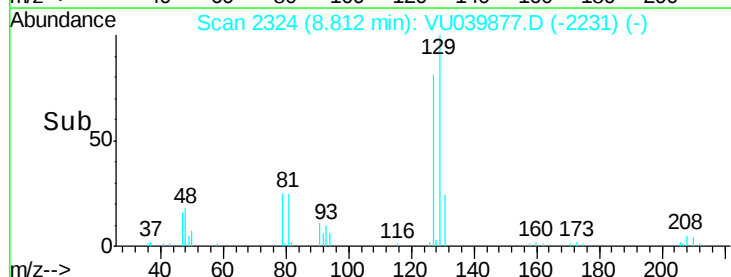
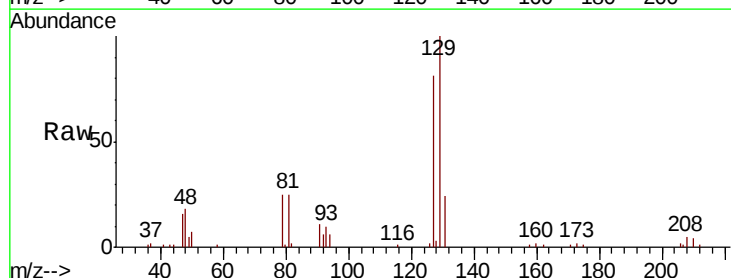
Instrument :
MSVOA_U
ClientSampleId :
VSTD00523

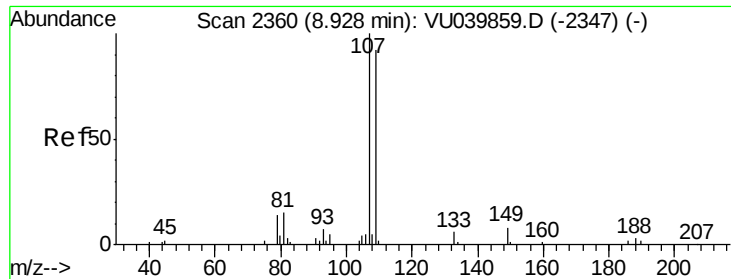
Tot Ion:	43	Resp:	192437
Ion	Ratio	Lower	Upper
43	100		
58	50.5	41.8	62.8
57	17.9	14.2	21.4
100	11.2	9.4	14.2



#49
Dibromochloromethane
Concen: 5.220 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU039877.D
Acq: 17 Aug 2020 10:22

Tgt Ion:	129	Resp:	29012
Ion	Ratio	Lower	Upper
129	100		
127	80.9	53.0	98.4

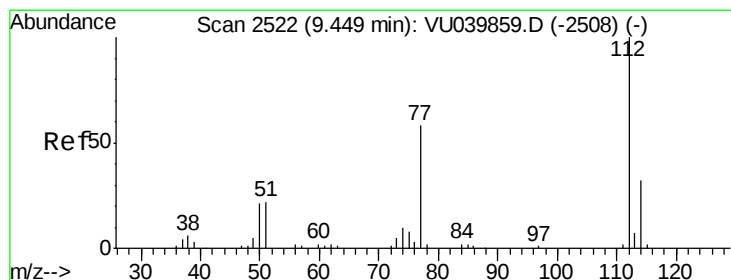
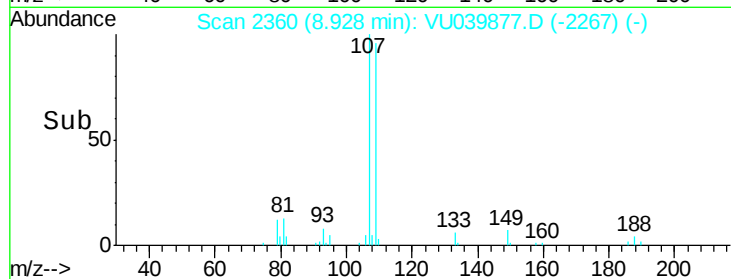
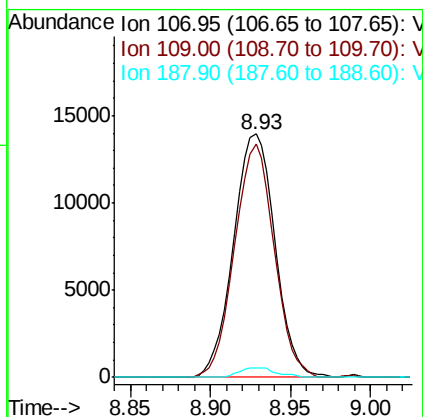
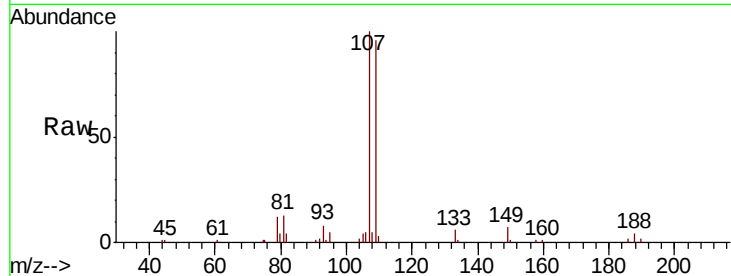




#50
1,2-Dibromoethane
Concen: 5.552 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. -0.00 min
Lab File: VU039877.D
Acq: 17 Aug 2020 10:22

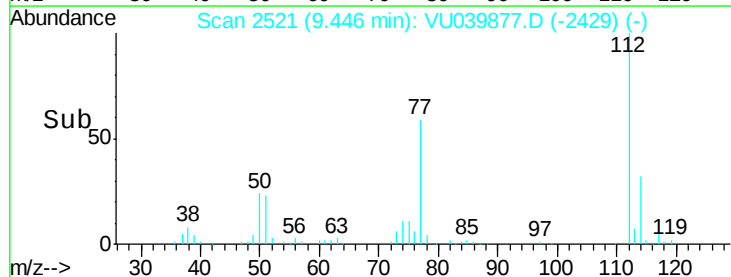
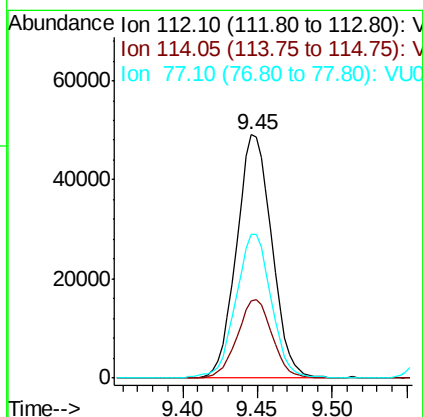
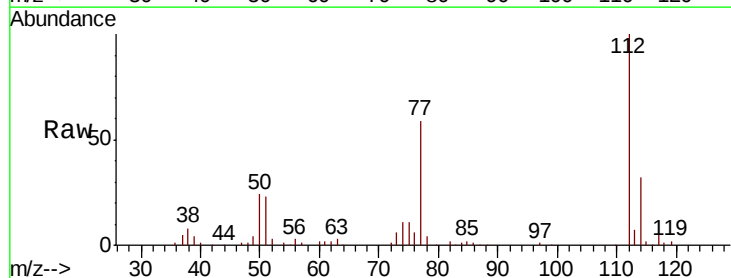
Instrument :
MSVOA_U
ClientSampleId :
VSTD00523

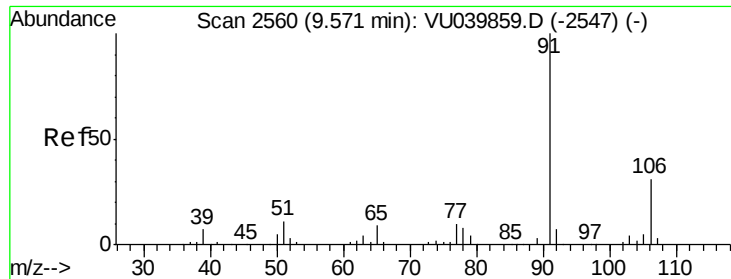
Tot Ion:107 Resp: 24656
Ion Ratio Lower Upper
107 100
109 95.8 63.9 118.7
188 3.7 2.9 4.3



#51
Chlorobenzene
Concen: 5.046 ug/L
RT: 9.45 min Scan# 2521
Delta R.T. -0.00 min
Lab File: VU039877.D
Acq: 17 Aug 2020 10:22

Tgt Ion:112 Resp: 80774
Ion Ratio Lower Upper
112 100
114 31.8 23.2 43.0
77 58.9 47.8 71.6





#52

Ethylbenzene

Concen: 5.020 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU039877.D

Acq: 17 Aug 2020 10:22

Instrument :

MSVOA_U

ClientSampleId :

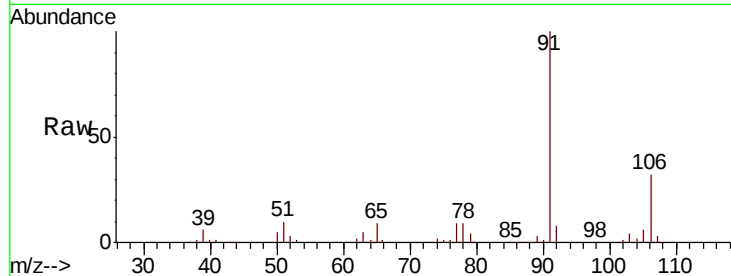
VSTD00523

Tot Ion: 91 Resp: 133826

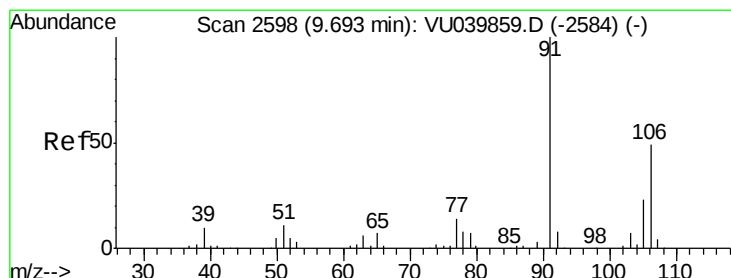
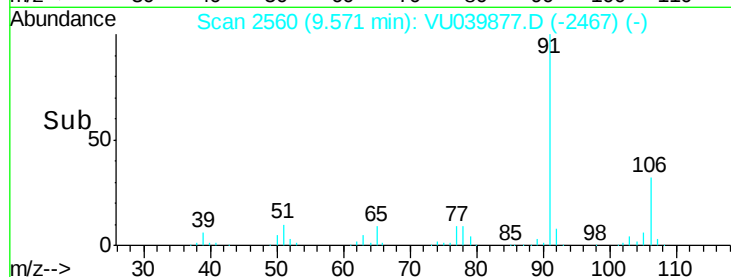
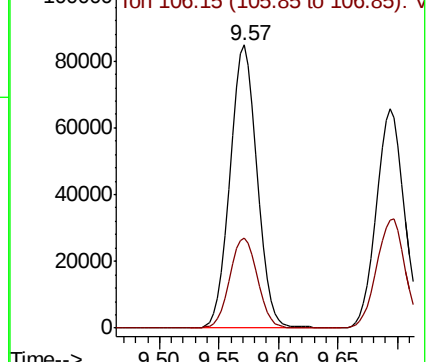
Ion Ratio Lower Upper

91 100

106 31.7 22.8 42.4



Abundance Ion 91.15 (90.85 to 91.85): VU039877.D (-2467) (-)



#53

m,p-Xylene

Concen: 5.336 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU039877.D

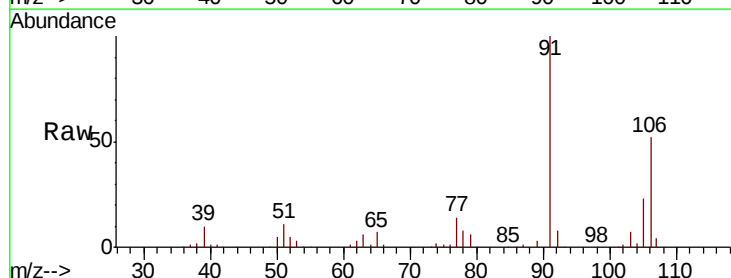
Acq: 17 Aug 2020 10:22

Tgt Ion: 106 Resp: 54173

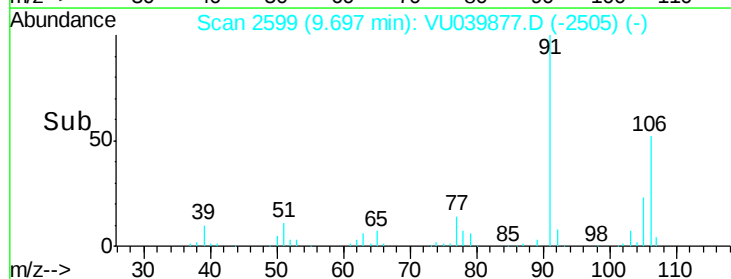
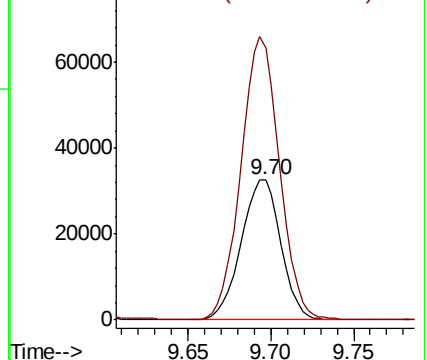
Ion Ratio Lower Upper

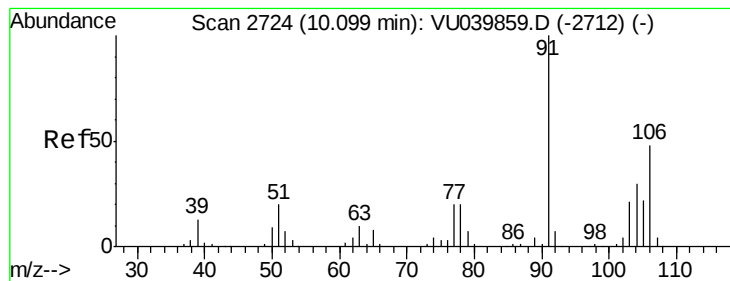
106 100

91 193.7 135.5 251.7



Abundance Ion 106.15 (105.85 to 106.85): VU039877.D (-2505) (-)





#54

o-Xylene

Concen: 5.171 ug/L

RT: 10.10 min Scan# 2724

Delta R.T. -0.00 min

Lab File: VU039877.D

Acq: 17 Aug 2020 10:22

Instrument :

MSVOA_U

ClientSampleId :

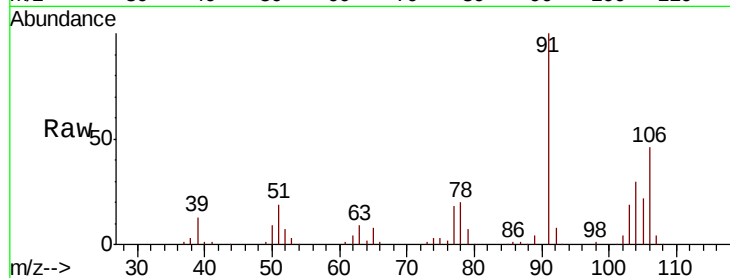
VSTD00523

Tot Ion:106 Resp: 51404

Ion Ratio Lower Upper

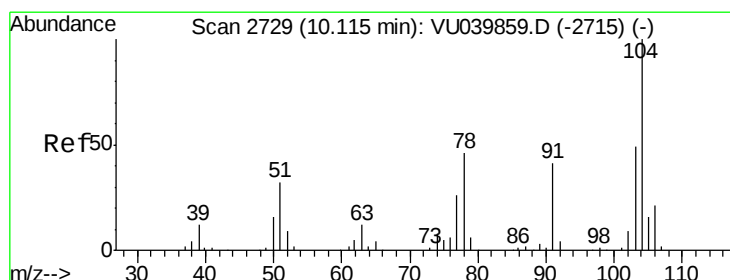
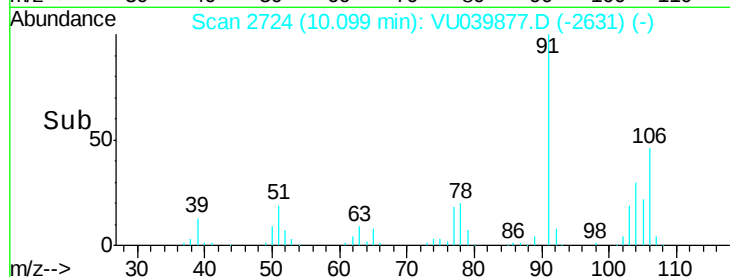
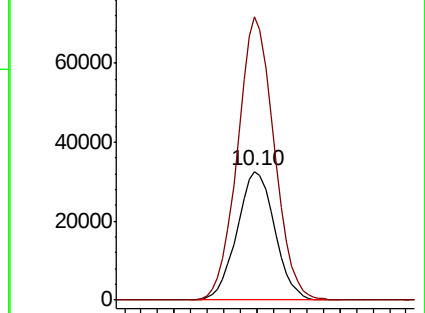
106 100

91 219.6 140.8 261.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 5.281 ug/L

RT: 10.11 min Scan# 2728

Delta R.T. -0.00 min

Lab File: VU039877.D

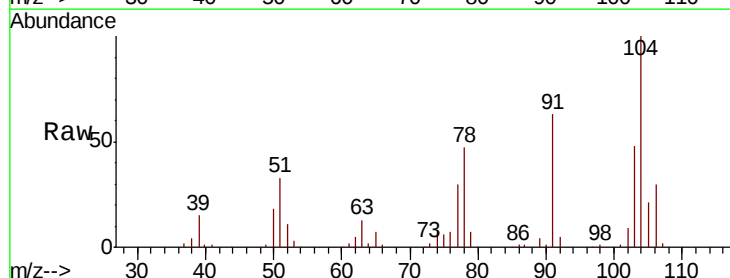
Acq: 17 Aug 2020 10:22

Tgt Ion:104 Resp: 88404

Ion Ratio Lower Upper

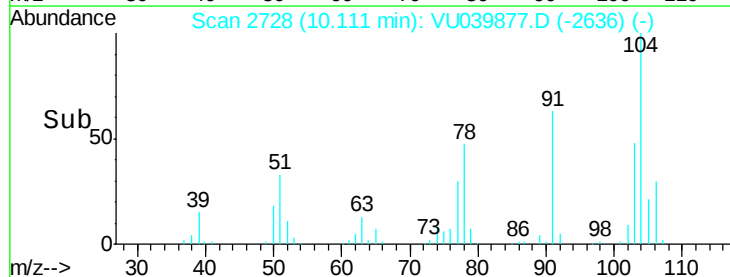
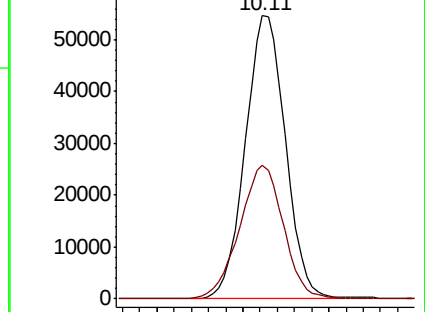
104 100

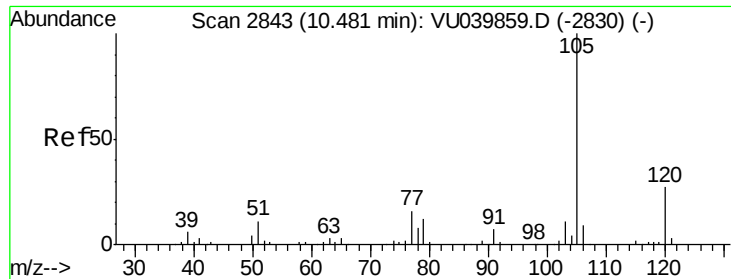
78 47.3 32.3 60.1



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 5.052 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. 0.00 min

Lab File: VU039877.D

Acq: 17 Aug 2020 10:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD00523

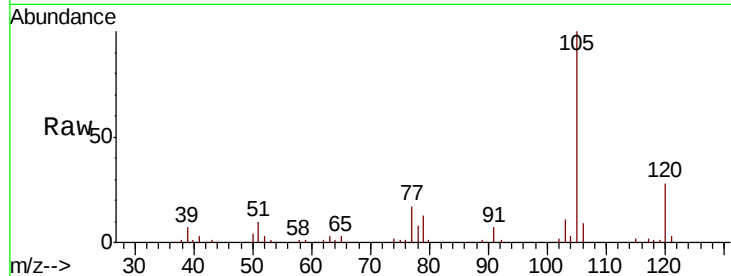
Tot Ion:105 Resp: 134235

Ion Ratio Lower Upper

105 100

120 27.4 21.0 31.6

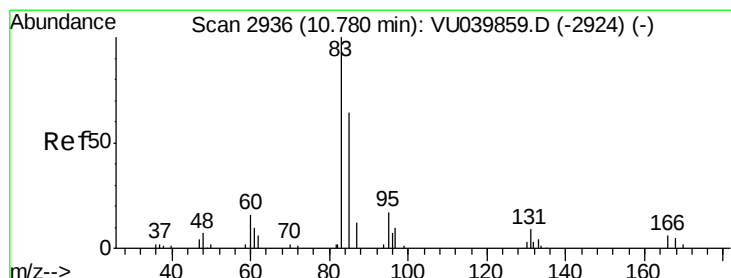
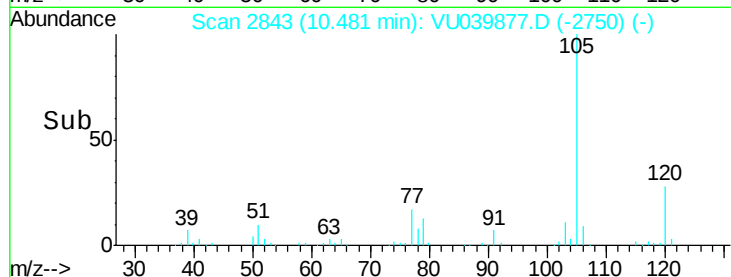
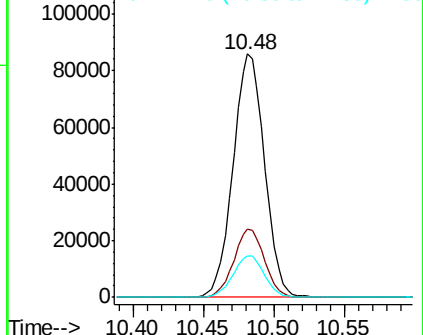
77 17.1 12.9 19.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.280 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU039877.D

Acq: 17 Aug 2020 10:22

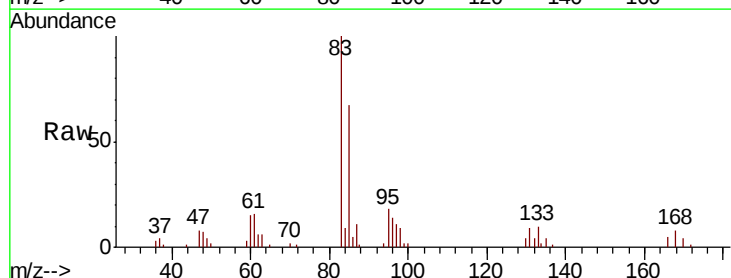
Tgt Ion: 83 Resp: 32894

Ion Ratio Lower Upper

83 100

85 67.1 44.4 82.4

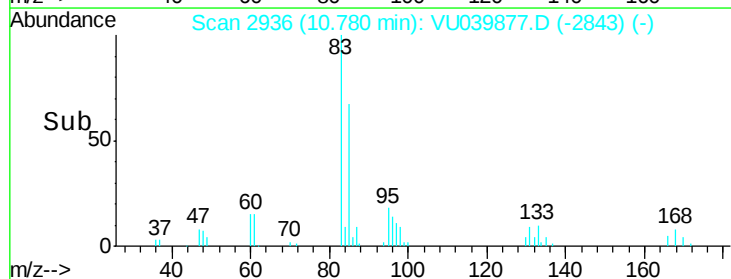
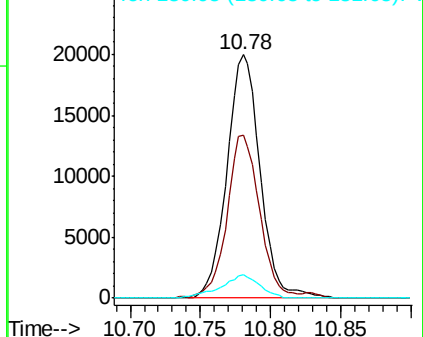
131 9.4 7.4 11.0

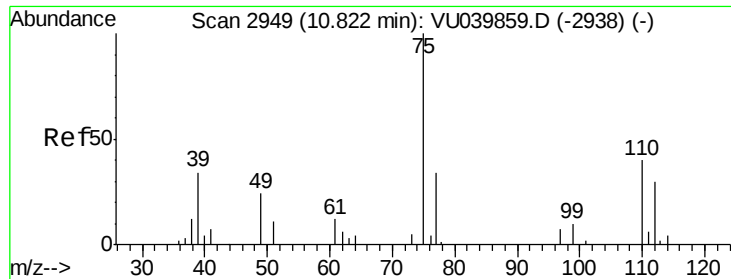


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

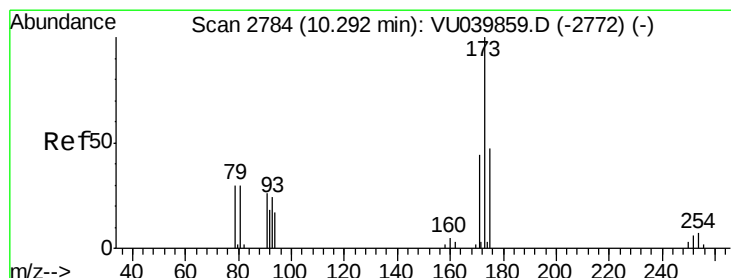
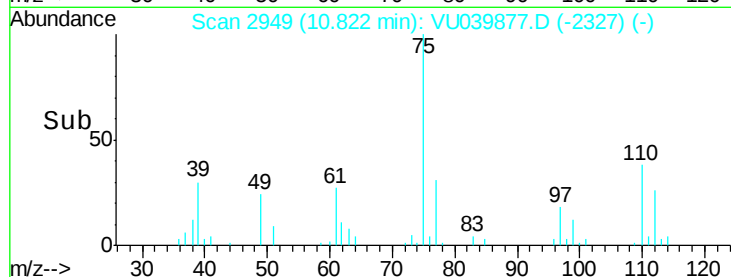
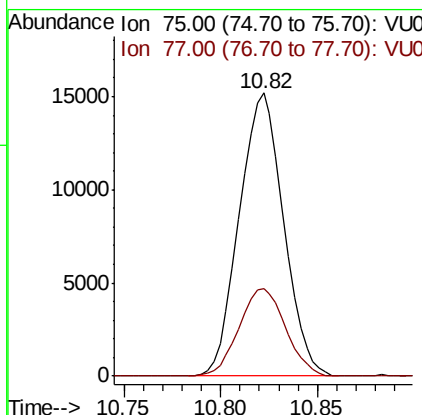
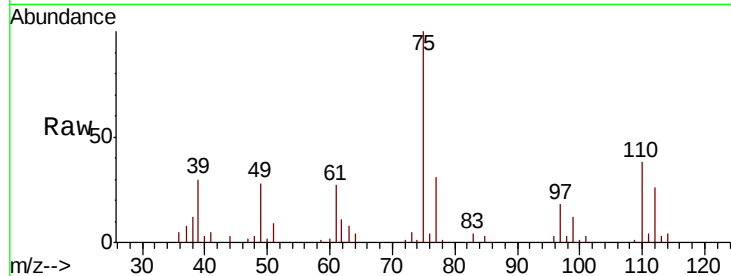




#59
 1,2,3-Trichloropropane
 Concen: 5.571 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. -0.00 min
 Lab File: VU039877.D
 Acq: 17 Aug 2020 10:22

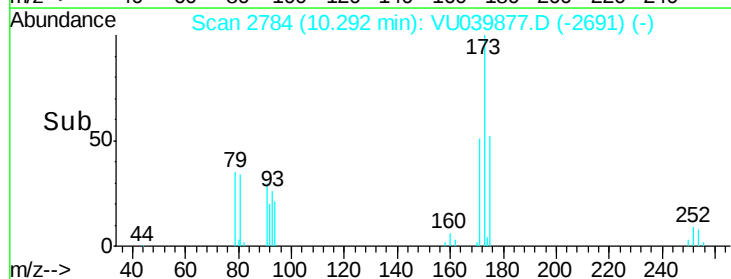
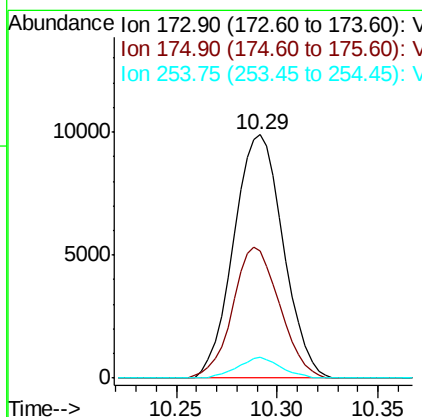
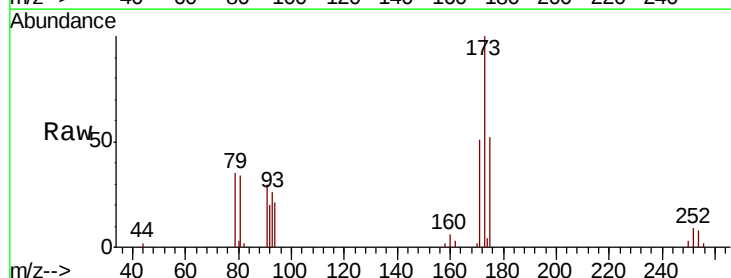
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00523

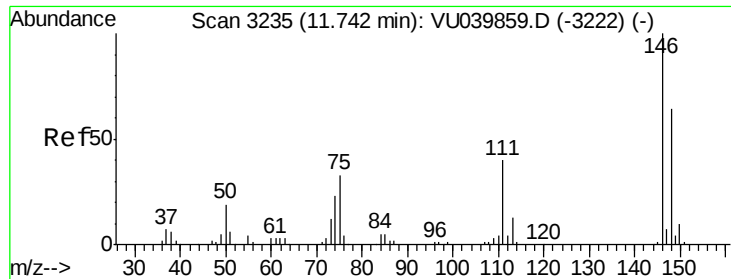
Tot Ion: 75 Resp: 24193
 Ion Ratio Lower Upper
 75 100
 77 32.6 24.6 37.0



#61
 Bromoform
 Concen: 5.545 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. -0.00 min
 Lab File: VU039877.D
 Acq: 17 Aug 2020 10:22

Tgt Ion: 173 Resp: 17002
 Ion Ratio Lower Upper
 173 100
 175 51.1 33.8 50.8#
 254 7.4 5.5 8.3





#62

1,3-Dichlorobenzene

Concen: 5.277 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU039877.D

Acq: 17 Aug 2020 10:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD00523

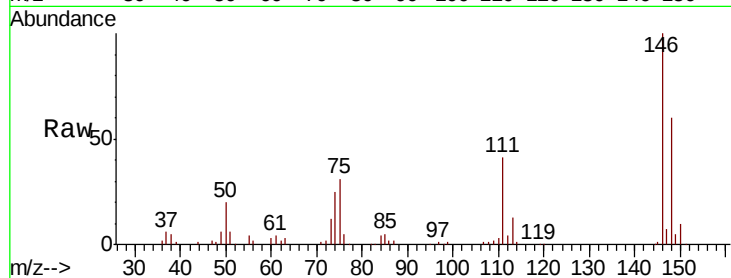
Tot Ion:146 Resp: 70094

Ion Ratio Lower Upper

146 100

111 41.3 27.7 51.5

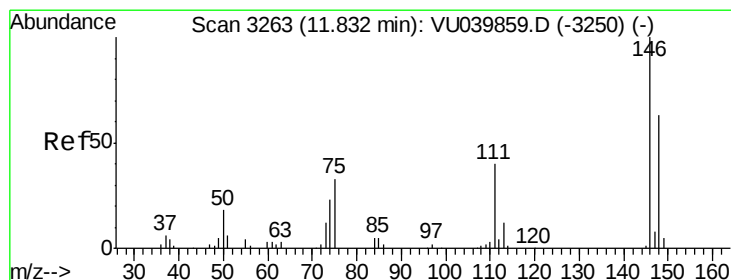
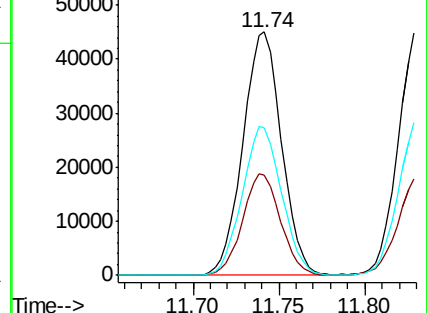
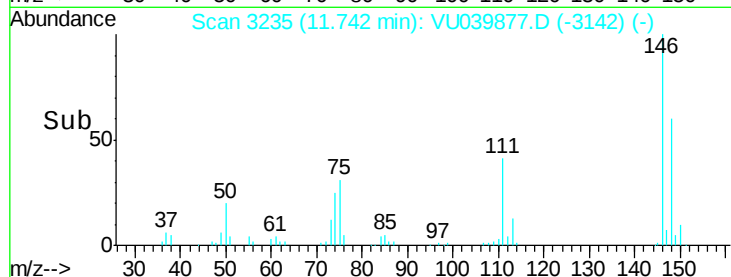
148 60.4 45.2 84.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.038 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. -0.00 min

Lab File: VU039877.D

Acq: 17 Aug 2020 10:22

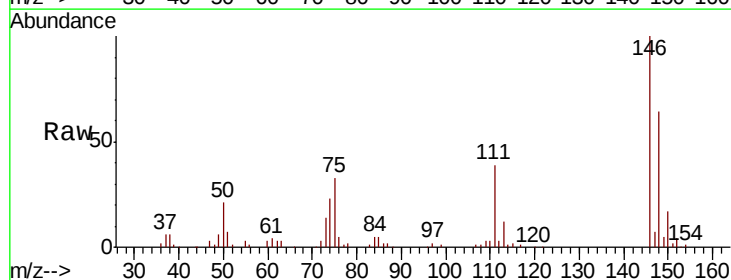
Tgt Ion:146 Resp: 70549

Ion Ratio Lower Upper

146 100

111 38.8 26.5 49.3

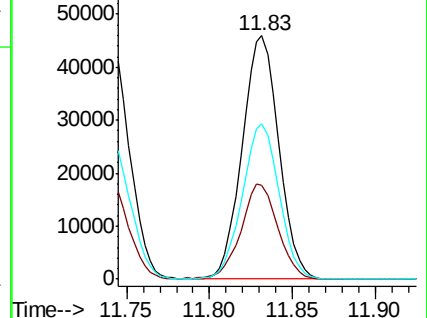
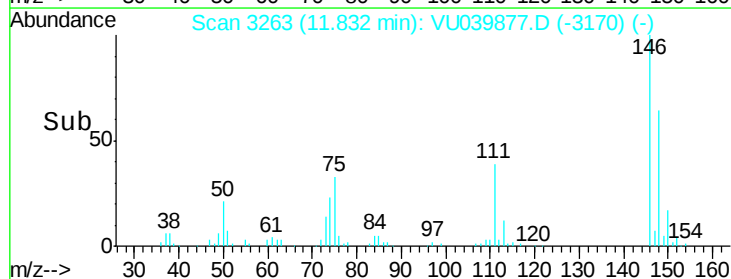
148 63.9 45.3 84.1

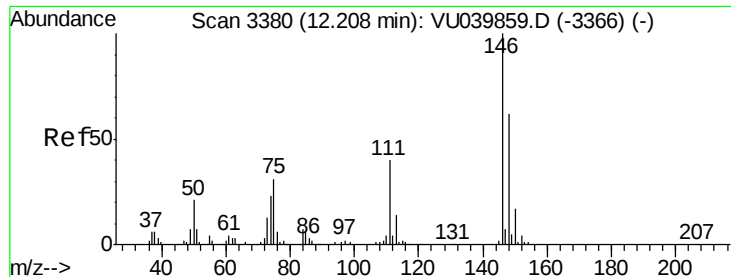


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.085 ug/L

RT: 12.20 min Scan# 3379

Delta R.T. -0.00 min

Lab File: VU039877.D

Acq: 17 Aug 2020 10:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD00523

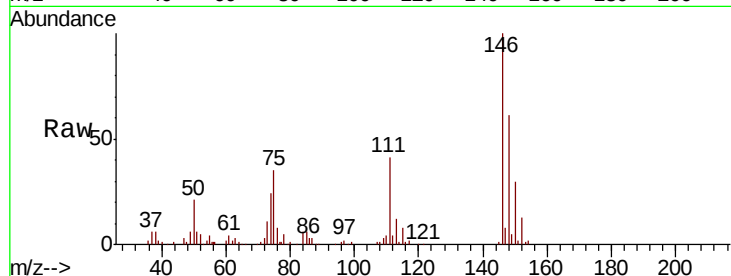
Tot Ion:146 Resp: 66543

Ion Ratio Lower Upper

146 100

111 40.7 33.1 49.7

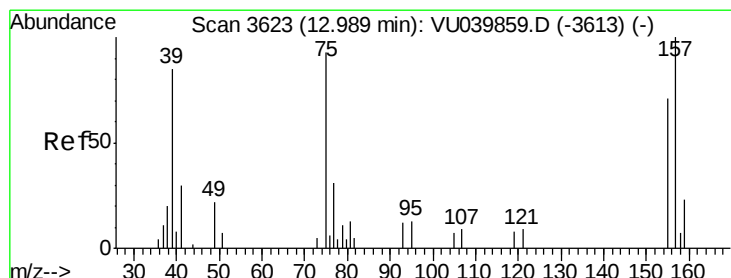
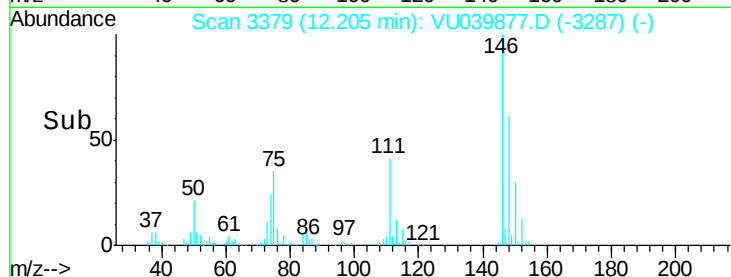
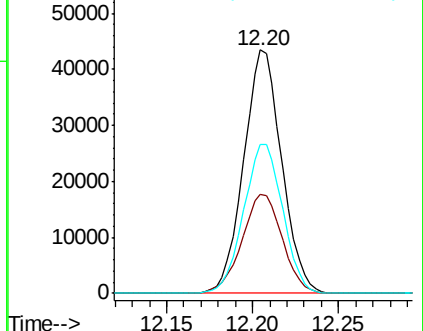
148 61.3 51.5 77.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.349 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. -0.00 min

Lab File: VU039877.D

Acq: 17 Aug 2020 10:22

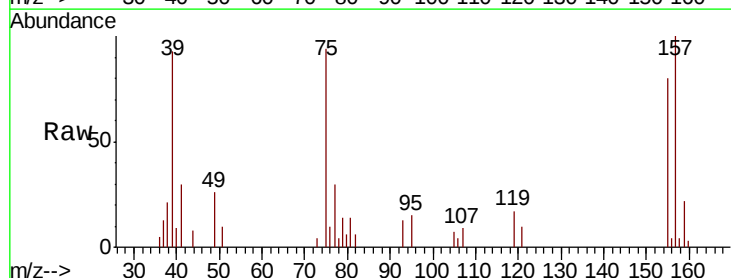
Tgt Ion: 75 Resp: 5292

Ion Ratio Lower Upper

75 100

155 85.3 64.0 96.0

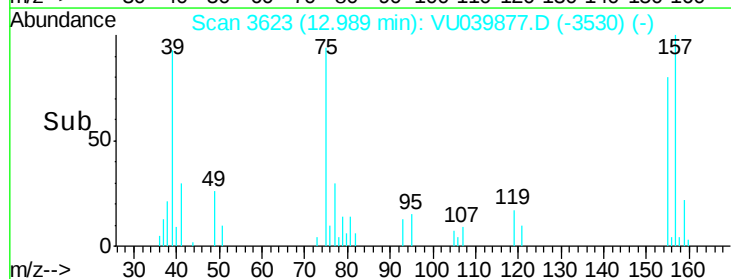
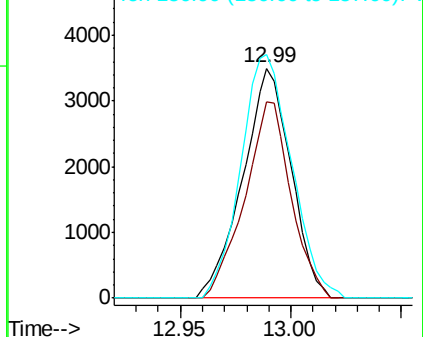
157 106.0 77.0 115.6

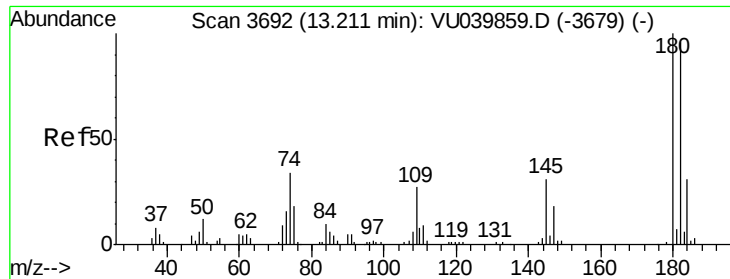


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

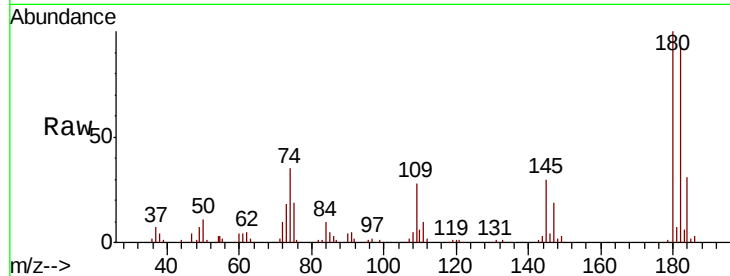




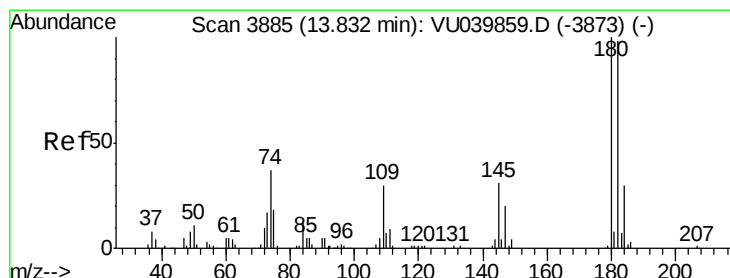
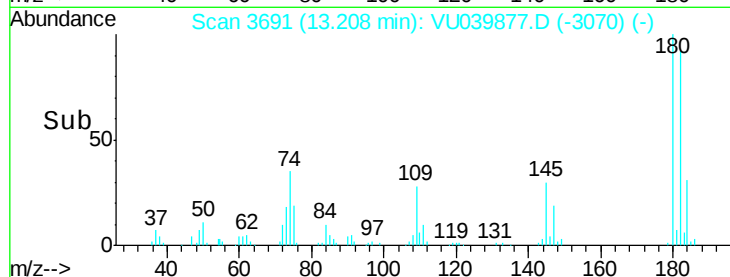
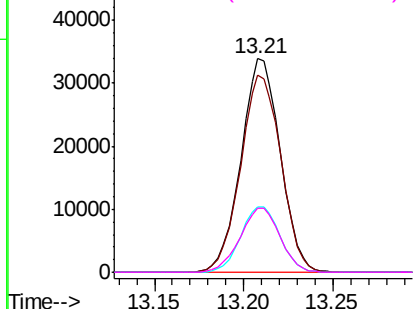
#67
 1,3,5-Trichlorobenzene
 Concen: 5.155 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. -0.00 min
 Lab File: VU039877.D
 Acq: 17 Aug 2020 10:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00523

Tot Ion:180 Resp: 51897
 Ion Ratio Lower Upper
 180 100
 182 94.9 74.9 112.3
 184 30.7 25.3 37.9
 145 30.7 25.0 37.6

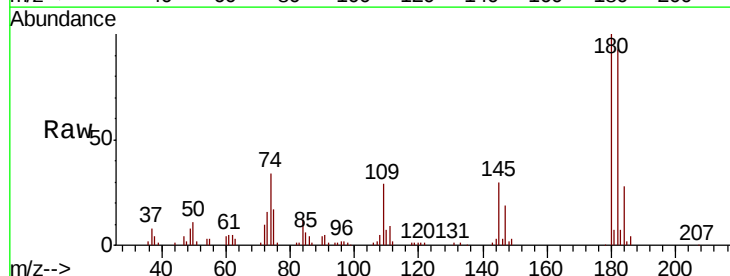


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

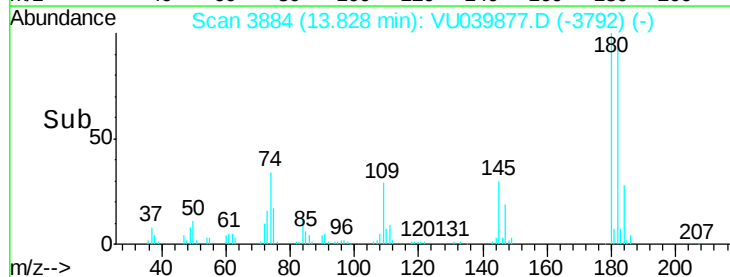
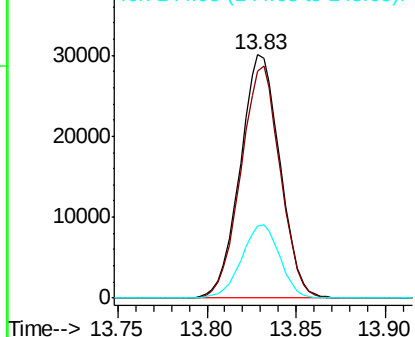


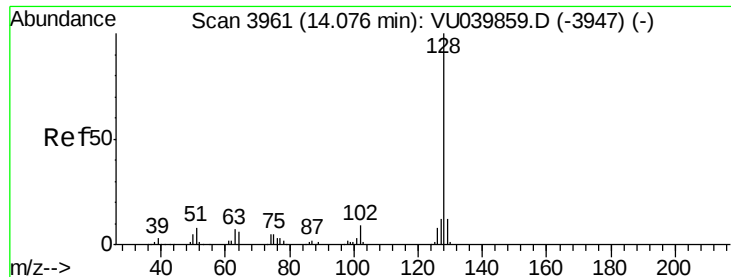
#68
 1,2,4-trichlorobenzene
 Concen: 5.567 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU039877.D
 Acq: 17 Aug 2020 10:22

Tgt Ion:180 Resp: 46963
 Ion Ratio Lower Upper
 180 100
 182 94.1 75.7 113.5
 145 29.0 25.1 37.7



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.579 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU039877.D

Acq: 17 Aug 2020 10:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD00523

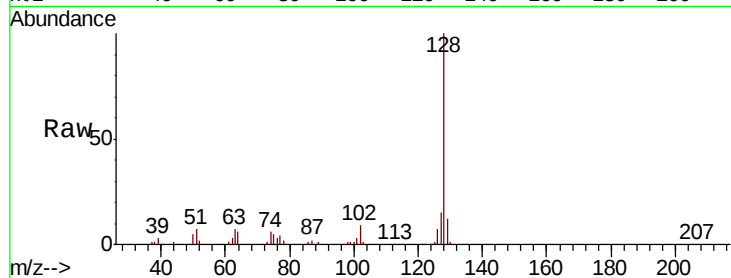
Tot Ion:128 Resp: 84154

Ion Ratio Lower Upper

128 100

129 11.6 8.9 13.3

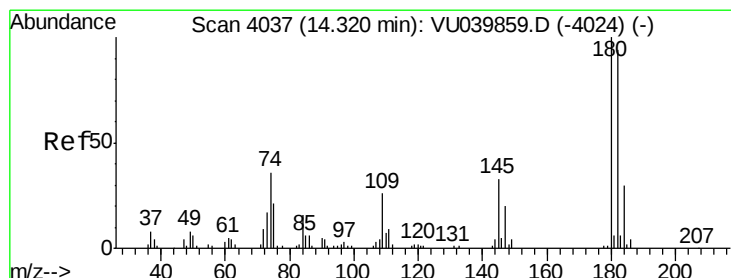
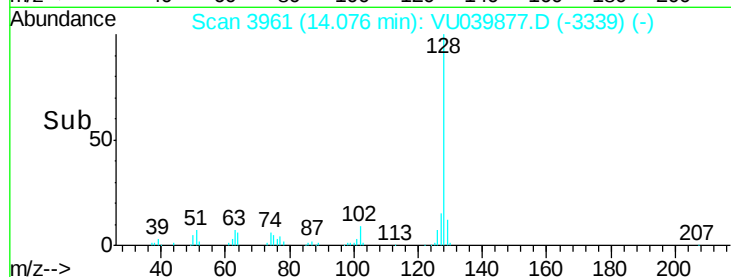
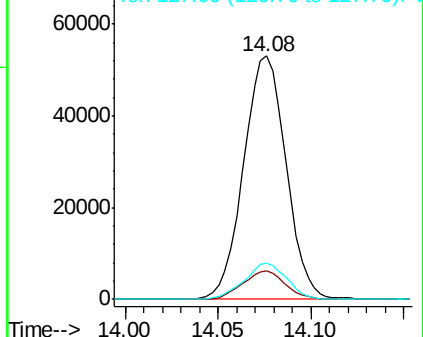
127 14.7 10.1 15.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.678 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. -0.00 min

Lab File: VU039877.D

Acq: 17 Aug 2020 10:22

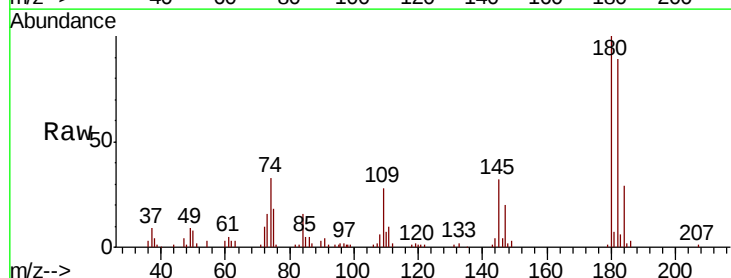
Tgt Ion:180 Resp: 42973

Ion Ratio Lower Upper

180 100

182 93.1 76.1 114.1

145 34.2 27.4 41.0



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

