

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081920\
 Data File : VU039897.D
 Acq On : 19 Aug 2020 09:31
 Operator : SY/MD
 Sample : VSTD0.502
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

Quant Time: Aug 20 07:40:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR081920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Aug 20 07:38:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	71354	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	71278	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	35427	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	3462	0.81	ug/L	0.00
7) Chloroethane-d5	1.92	69	2451	0.56	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	5976	0.69	ug/L	0.00
20) 2-Butanone-d5	4.67	46	9099	5.20	ug/L	0.00
24) Chloroform-d	5.08	84	5706	0.57	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	3819	0.66	ug/L	0.00
32) Benzene-d6	5.75	84	10750	0.61	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	3773	0.63	ug/L	0.00
41) Toluene-d8	7.90	98	8799	0.56	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	1368	0.59	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	6380	5.07	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.75	84	3057	0.53	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.19	152	3250	0.52	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	3539	0.569 ug/L	90
3) Chloromethane	1.53	50	4459	0.679 ug/L	99
5) Vinyl chloride	1.61	62	3679	0.576 ug/L	99
6) Bromomethane	1.86	94	2039	0.527 ug/L	96
8) Chloroethane	1.94	64	2690	0.605 ug/L	97
9) Trichlorofluoromethane	2.15	101	5182	0.535 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	2942	0.542 ug/L	99
12) 1,1-Dichloroethene	2.59	96	3098	0.653 ug/L	91
13) Acetone	2.69	43	1559	1.430 ug/L	92
14) Carbon disulfide	2.81	76	9349	0.623 ug/L	95
16) Methylene chloride	3.06	84	5779	0.788 ug/L	86
17) Methyl tert-butyl Ether	3.38	73	6472	0.522 ug/L #	80
18) trans-1,2-Dichloroethene	3.37	96	3092	0.595 ug/L	92
19) 1,1-Dichloroethane	3.89	63	5519	0.575 ug/L	96
22) cis-1,2-Dichloroethene	4.69	96	2806	0.507 ug/L	84
23) Bromochloromethane	5.00	128	1385	0.532 ug/L	87
25) Chloroform	5.11	83	5693	0.565 ug/L	100
27) 1,2-Dichloroethane	5.81	62	3845	0.551 ug/L #	89
29) 1,1,1-Trichloroethane	5.33	97	4875	0.574 ug/L	98
30) Cyclohexane	5.41	56	4153	0.499 ug/L	94
31) Carbon tetrachloride	5.54	117	4215	0.545 ug/L	99
33) Benzene	5.79	78	11422	0.548 ug/L	100
34) Trichloroethene	6.55	95	3153	0.585 ug/L	91
35) Methylcyclohexane	6.78	83	4092	0.479 ug/L	97
37) 1,2-Dichloropropane	6.80	63	3162	0.570 ug/L #	89
38) Bromodichloromethane	7.11	83	3890	0.538 ug/L #	91
39) cis-1,3-Dichloropropene	7.61	75	4044	0.529 ug/L	89
40) 4-Methyl-2-pentanone	7.80	43	23478	5.617 ug/L #	96
42) Toluene	7.97	91	11242	0.513 ug/L	100
44) trans-1,3-Dichloropropene	8.21	75	3914	0.576 ug/L #	38

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081920\
 Data File : VU039897.D
 Acq On : 19 Aug 2020 09:31
 Operator : SY/MD
 Sample : VSTD0.502
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

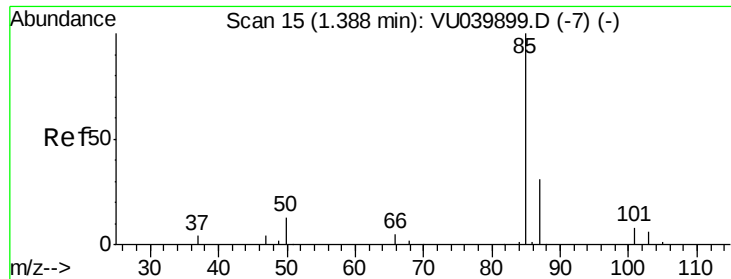
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

Quant Time: Aug 20 07:40:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR081920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Aug 20 07:38:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	8.40	97	2392	0.577	ug/L	90
47) Tetrachloroethene	8.56	164	1946	0.444	ug/L	84
48) 2-Hexanone	8.69	43	16823	5.585	ug/L	97
49) Dibromochloromethane	8.81	129	2683	0.529	ug/L	97
50) 1,2-Dibromoethane	8.92	107	2373	0.588	ug/L #	92
51) Chlorobenzene	9.45	112	7695	0.529	ug/L	91
52) Ethylbenzene	9.57	91	11790	0.486	ug/L	100
53) m,p-Xylene	9.70	106	4369	0.473	ug/L	93
54) o-Xylene	10.10	106	3882	0.431	ug/L	85
55) Styrene	10.11	104	6672	0.436	ug/L	95
56) Isopropylbenzene	10.48	105	10863	0.451	ug/L	96
58) 1,1,2,2-Tetrachloroethane	10.78	83	3001	0.531	ug/L #	94
59) 1,2,3-Trichloropropane	10.82	75	2113	0.533	ug/L	91
61) Bromoform	10.29	173	1200	0.467	ug/L #	96
62) 1,3-Dichlorobenzene	11.74	146	5815	0.526	ug/L	91
63) 1,4-Dichlorobenzene	11.83	146	6027	0.522	ug/L	86
65) 1,2-Dichlorobenzene	12.20	146	6075	0.562	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.99	75	370	0.443	ug/L #	69
67) 1,3,5-Trichlorobenzene	13.21	180	4501	0.543	ug/L #	88
68) 1,2,4-trichlorobenzene	13.83	180	3302	0.474	ug/L	94
69) Naphthalene	14.08	128	5767	0.459	ug/L #	95
70) 1,2,3-Trichlorobenzene	14.32	180	3300	0.529	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 0.569 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU039897.D

Acq: 19 Aug 2020 09:31

Instrument :

MSVOA_U

ClientSampleId :

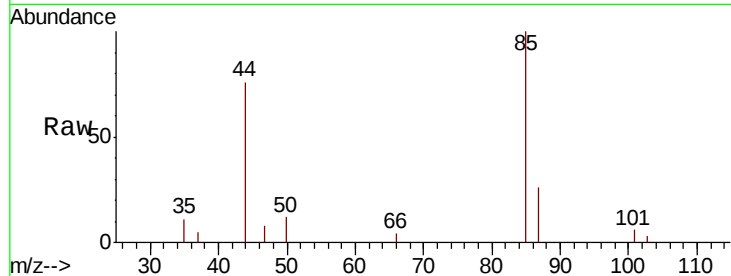
VSTD0.502

Tot Ion: 85 Resp: 3539

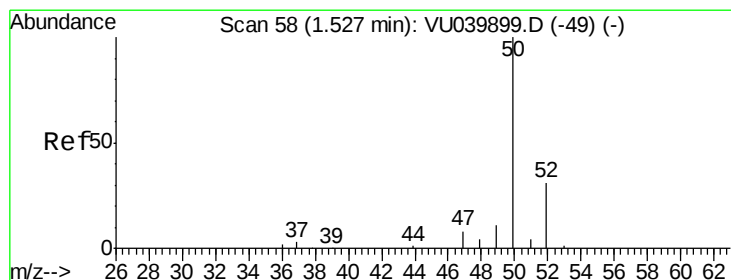
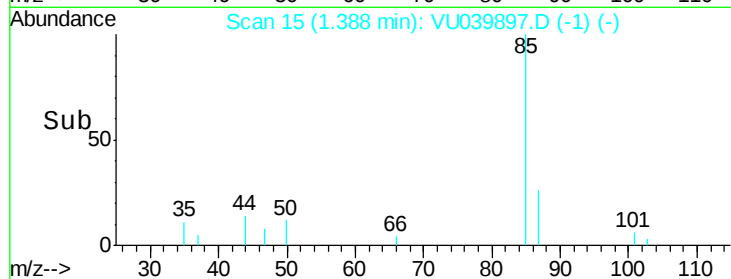
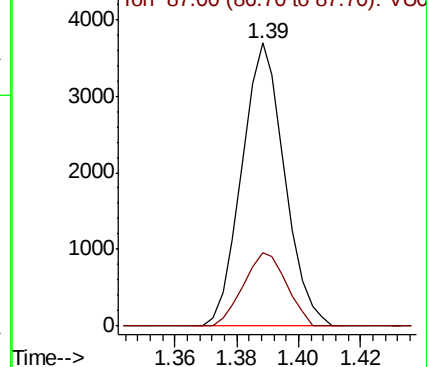
Ion Ratio Lower Upper

85 100

87 26.1 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU039897.D (-7) (-)



#3

Chloromethane

Concen: 0.679 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU039897.D

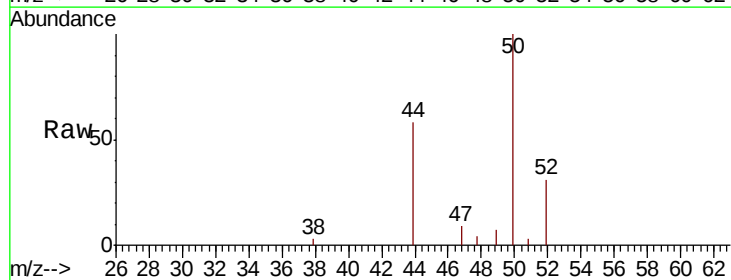
Acq: 19 Aug 2020 09:31

Tgt Ion: 50 Resp: 4459

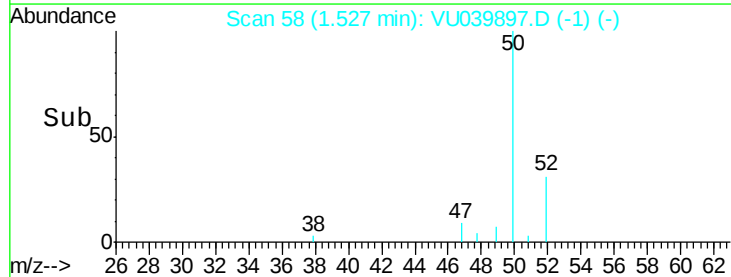
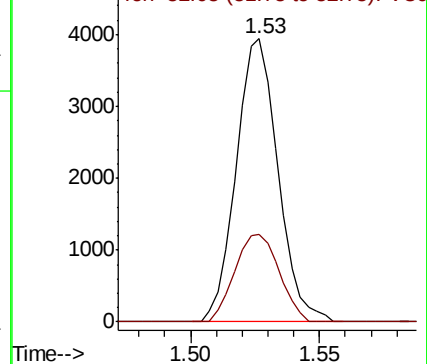
Ion Ratio Lower Upper

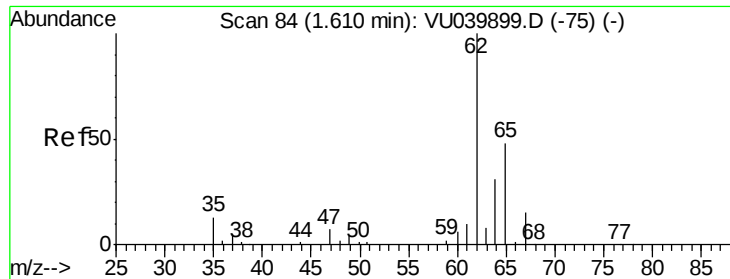
50 100

52 31.0 21.9 40.7



Abundance Ion 50.05 (49.75 to 50.75): VU039897.D (-49) (-)





#5

Vinyl chloride

Concen: 0.576 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU039897.D

Acq: 19 Aug 2020 09:31

Instrument :

MSVOA_U

ClientSampleId :

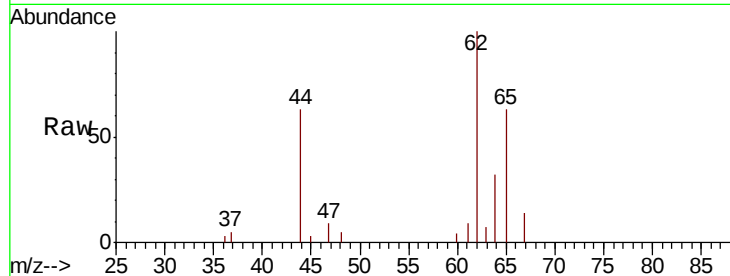
VSTD0.502

Tot Ion: 62 Resp: 3679

Ion Ratio Lower Upper

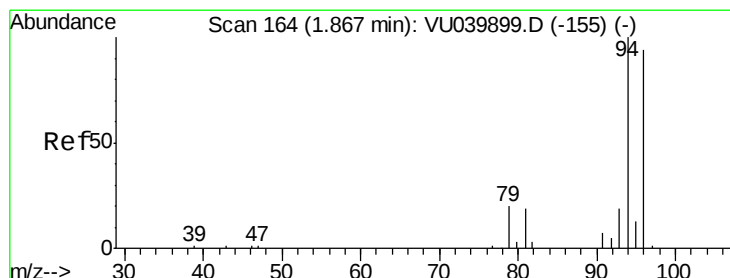
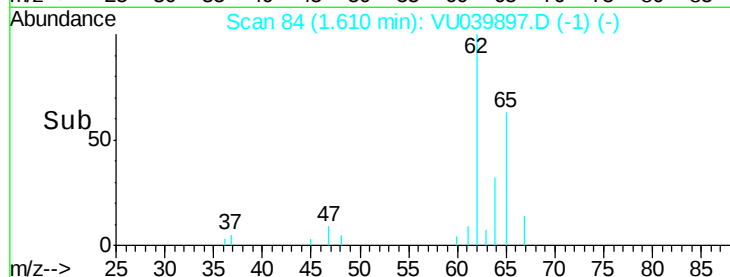
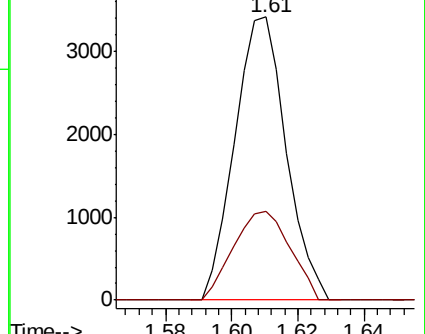
62 100

64 31.6 21.6 40.2



Abundance Ion 62.00 (61.70 to 62.70): VU039897.D (-75) (-)

Ion 64.10 (63.80 to 64.80): VU039897.D (-75) (-)



#6

Bromomethane

Concen: 0.527 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU039897.D

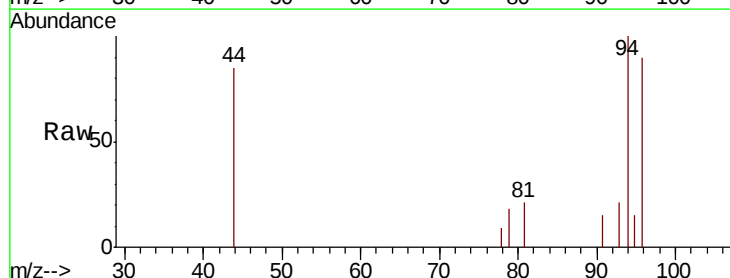
Acq: 19 Aug 2020 09:31

Tgt Ion: 94 Resp: 2039

Ion Ratio Lower Upper

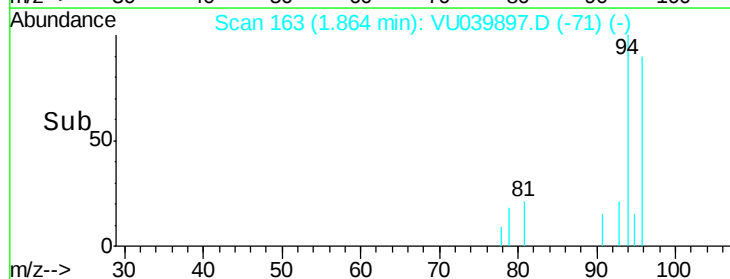
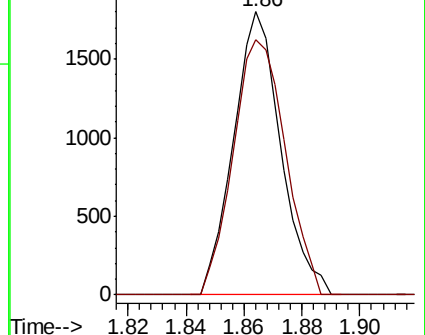
94 100

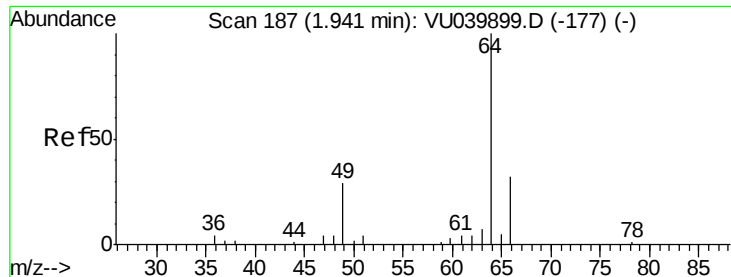
96 90.2 65.5 121.7



Abundance Ion 94.00 (93.70 to 94.70): VU039897.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU039897.D (-155) (-)





#8

Chloroethane

Concen: 0.605 ug/L

RT: 1.94 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU039897.D

Acq: 19 Aug 2020 09:31

Instrument :

MSVOA_U

ClientSampleId :

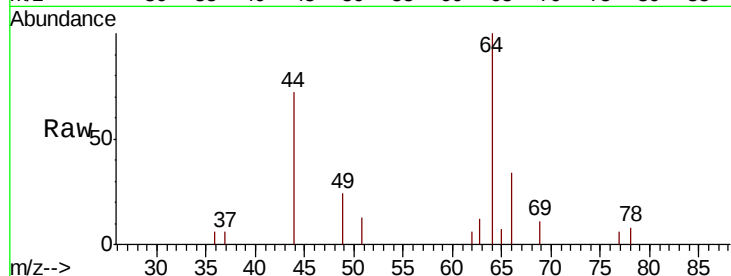
VSTD0.502

Tot Ion: 64 Resp: 2690

Ion Ratio Lower Upper

64 100

66 33.7 22.6 42.0



Abundance Ion 64.10 (63.80 to 64.80): VU039897.D (-177) (-)

Ion 66.05 (65.75 to 66.75): VU039897.D (-177) (-)

1.94

1900

1500

1000

500

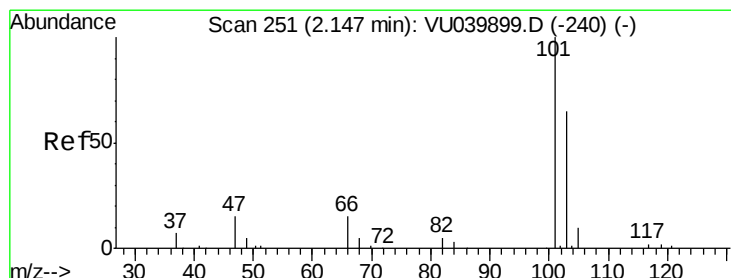
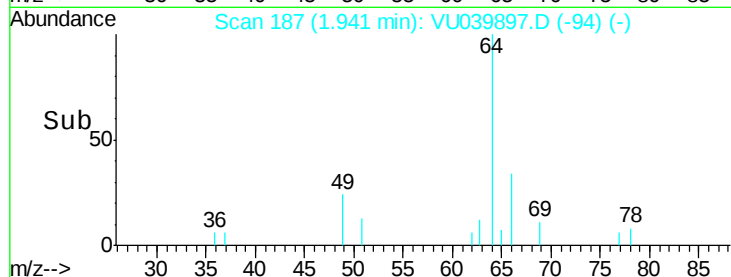
0

1.90

1.95

2.00

Time-->



#9

Trichlorofluoromethane

Concen: 0.535 ug/L

RT: 2.15 min Scan# 251

Delta R.T. -0.00 min

Lab File: VU039897.D

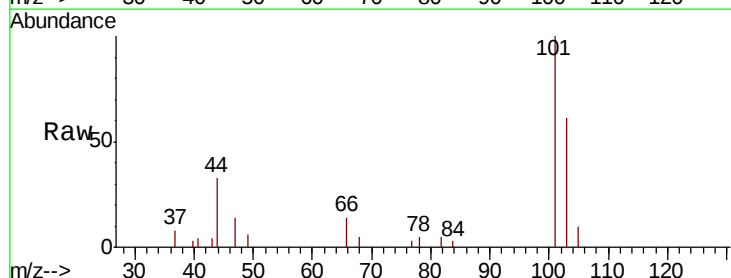
Acq: 19 Aug 2020 09:31

Tgt Ion:101 Resp: 5182

Ion Ratio Lower Upper

101 100

103 60.2 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): VU039897.D (-240) (-)

Ion 103.00 (102.70 to 103.70): VU039897.D (-240) (-)

2.15

4000

3000

2000

1000

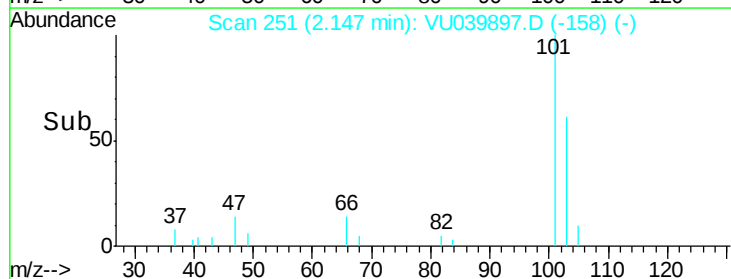
0

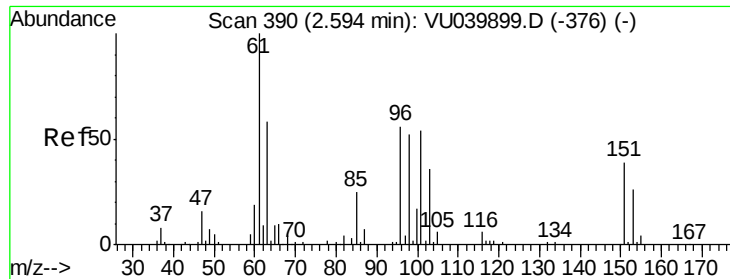
2.10

2.15

2.20

Time-->





#10

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

Concen: 0.542 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU039897.D

Acq: 19 Aug 2020 09:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.502

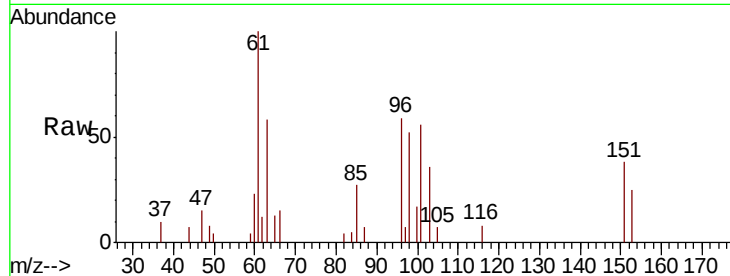
Tot Ion:101 Resp: 2942

Ion Ratio Lower Upper

101 100

85 44.5 34.5 51.7

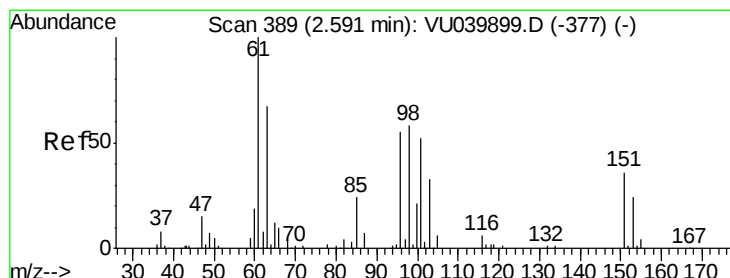
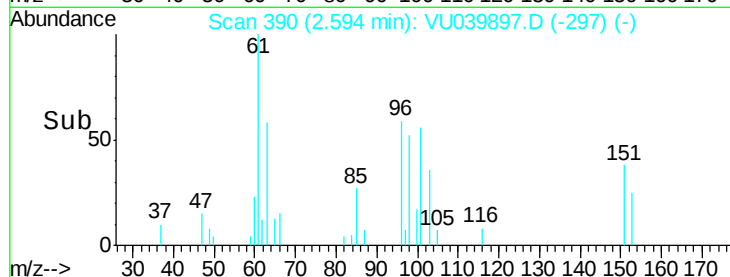
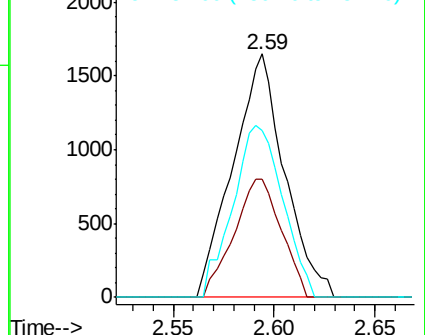
151 68.4 54.4 81.6



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: 0.653 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU039897.D

Acq: 19 Aug 2020 09:31

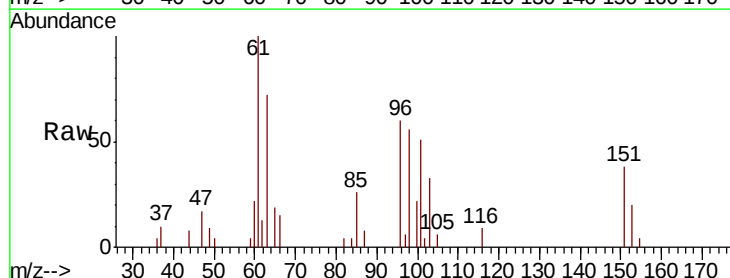
Tgt Ion: 96 Resp: 3098

Ion Ratio Lower Upper

96 100

61 165.5 126.8 235.4

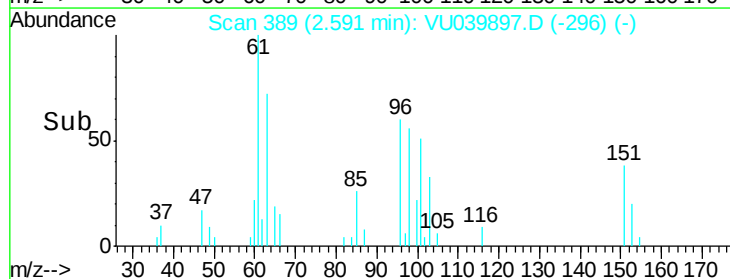
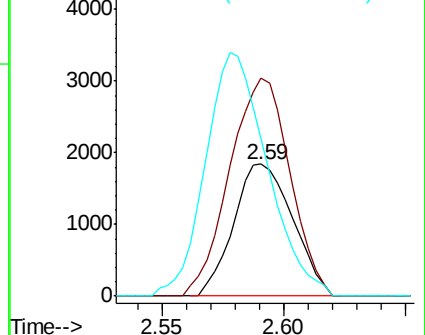
63 119.0 88.6 164.6

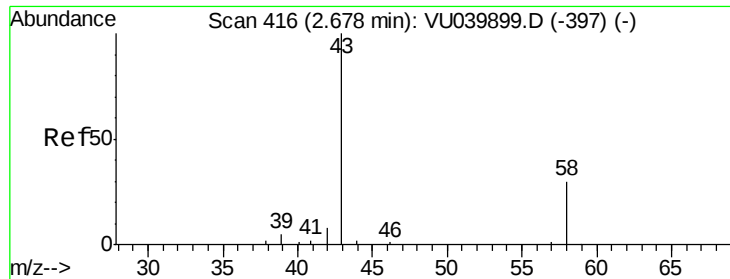


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.430 ug/L

RT: 2.69 min Scan# 420

Delta R.T. 0.01 min

Lab File: VU039897.D

Acq: 19 Aug 2020 09:31

Instrument :

MSVOA_U

ClientSampled :

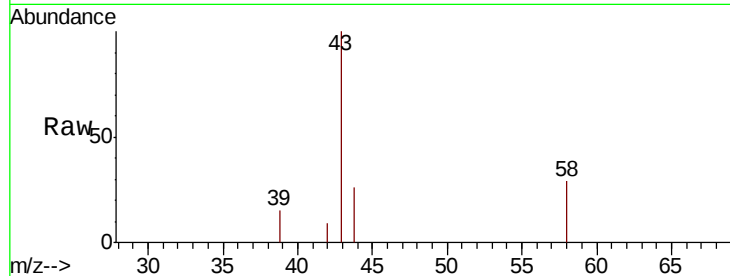
VSTD0.502

Tot Ion: 43 Resp: 1559

Ion Ratio Lower Upper

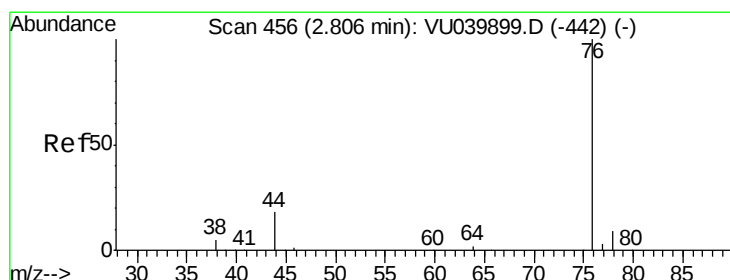
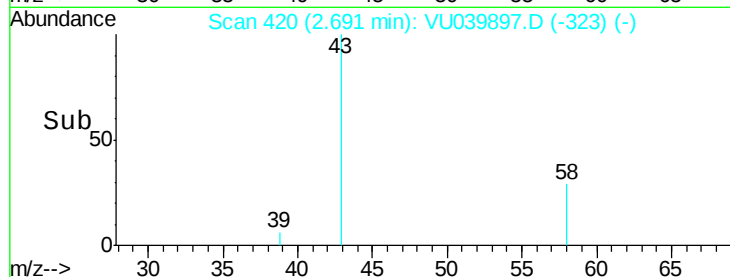
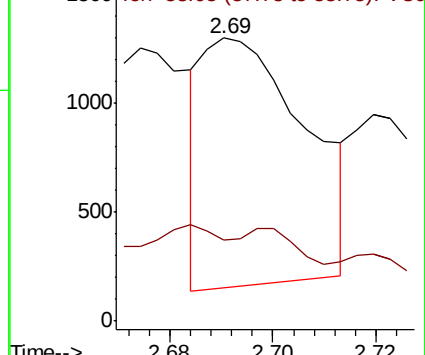
43 100

58 6.5 0.0 19.0



Abundance Ion 43.05 (42.75 to 43.75): VU039897.D (-323) (-)

Ion 58.05 (57.75 to 58.75): VU039897.D (-323) (-)



#14

Carbon disulfide

Concen: 0.623 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU039897.D

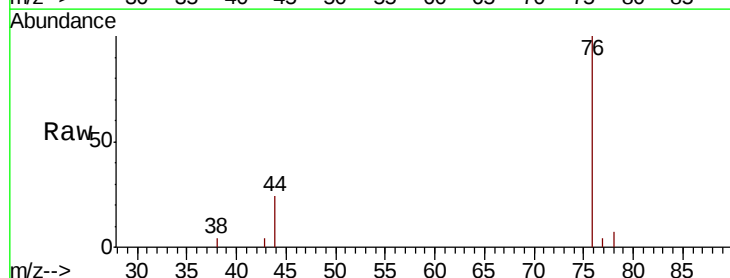
Acq: 19 Aug 2020 09:31

Tgt Ion: 76 Resp: 9349

Ion Ratio Lower Upper

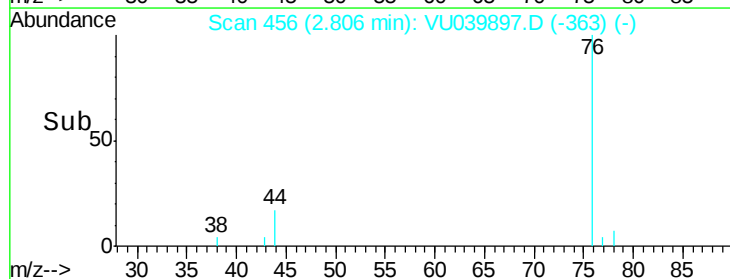
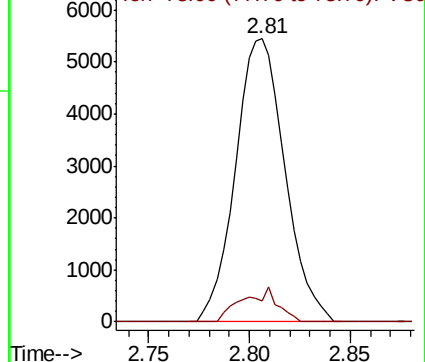
76 100

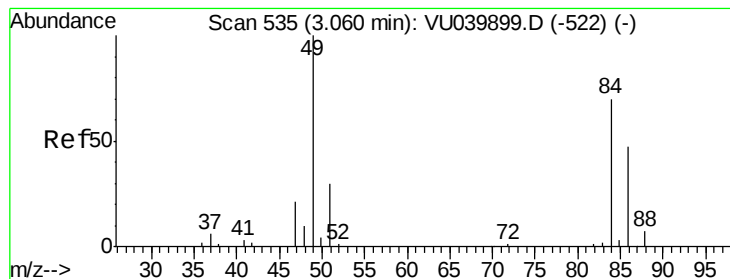
78 7.4 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VU039897.D (-363) (-)

Ion 78.00 (77.70 to 78.70): VU039897.D (-363) (-)





#16

Methylene chloride

Concen: 0.788 ug/L

RT: 3.06 min Scan# 534

Delta R.T. -0.00 min

Lab File: VU039897.D

Acq: 19 Aug 2020 09:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.502

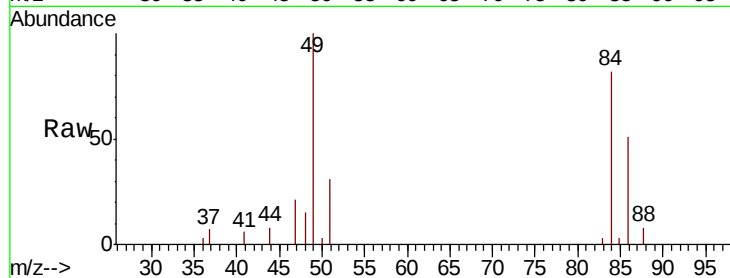
Tot Ion: 84 Resp: 5779

Ion Ratio Lower Upper

84 100

86 62.3 47.2 87.6

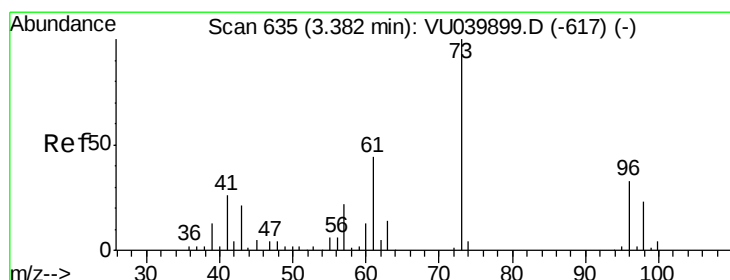
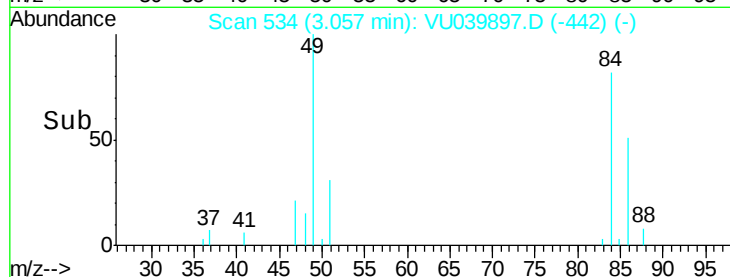
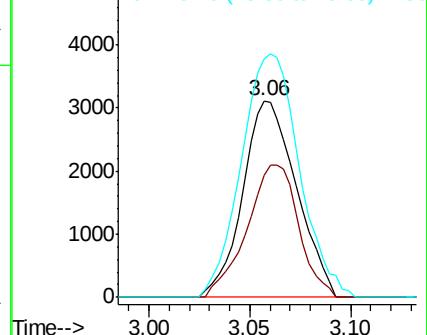
49 121.3 99.8 185.4



Abundance Ion 84.05 (83.75 to 84.75): VU039897.D (-522) (-)

Ion 86.00 (85.70 to 86.70): VU039897.D (-522) (-)

Ion 49.10 (48.80 to 49.80): VU039897.D (-522) (-)



#17

Methyl tert-butyl Ether

Concen: 0.522 ug/L

RT: 3.38 min Scan# 633

Delta R.T. -0.01 min

Lab File: VU039897.D

Acq: 19 Aug 2020 09:31

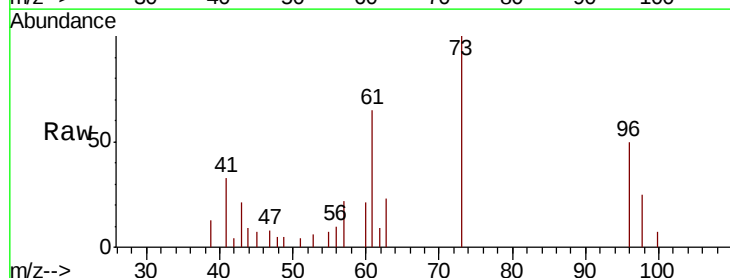
Tgt Ion: 73 Resp: 6472

Ion Ratio Lower Upper

73 100

43 10.1 16.6 24.8#

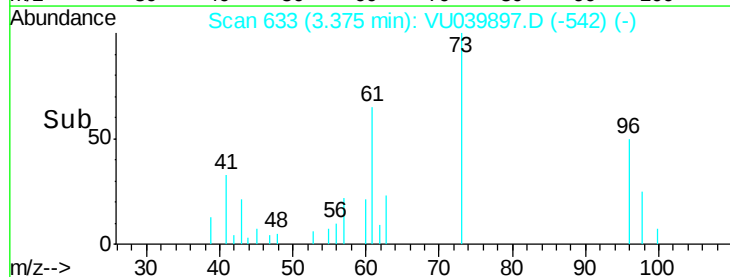
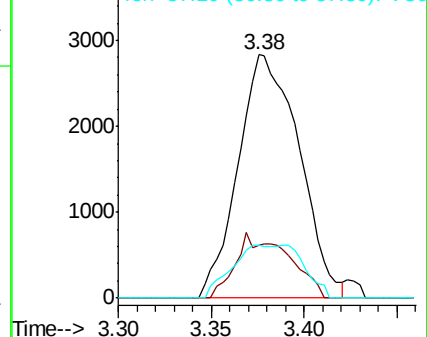
57 14.2 18.2 27.4#

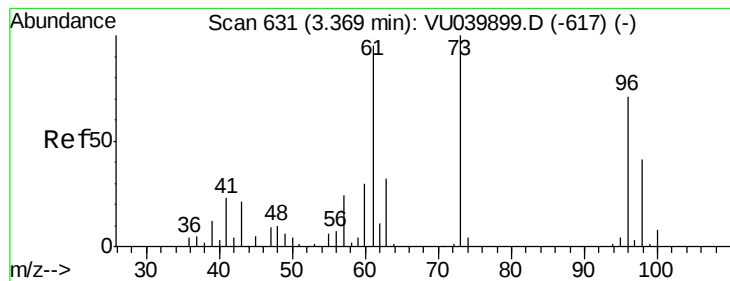


Abundance Ion 73.10 (72.80 to 73.80): VU039897.D (-617) (-)

Ion 43.05 (42.75 to 43.75): VU039897.D (-617) (-)

Ion 57.10 (56.80 to 57.80): VU039897.D (-617) (-)





#18

trans-1,2-Dichloroethene

Concen: 0.595 ug/L

RT: 3.37 min Scan# 631

Delta R.T. -0.00 min

Lab File: VU039897.D

Acq: 19 Aug 2020 09:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.502

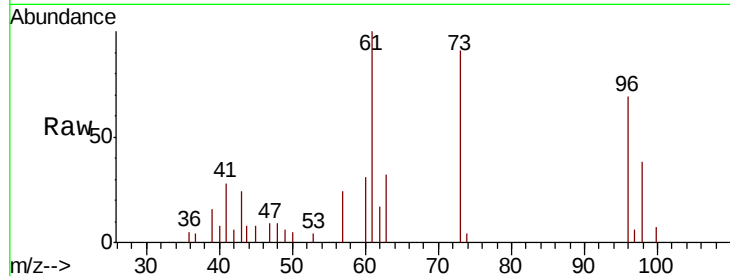
Tot Ion: 96 Resp: 3092

Ion Ratio Lower Upper

96 100

61 144.3 93.7 173.9

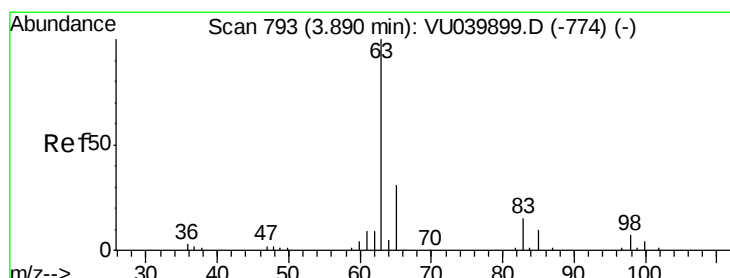
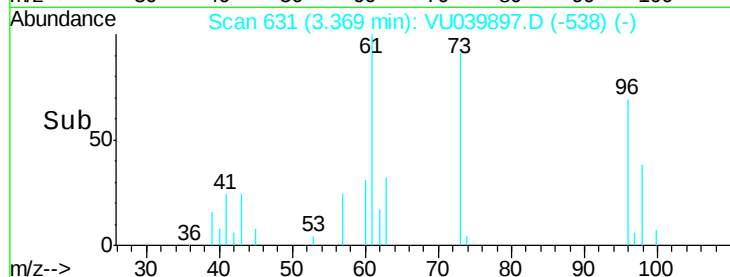
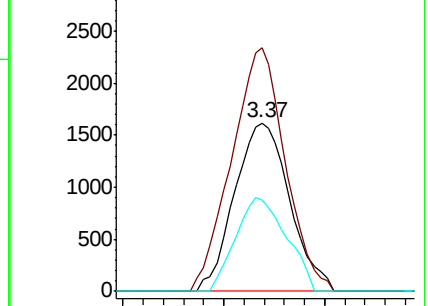
98 54.2 40.7 75.5



Abundance Ion 96.00 (95.70 to 96.70): VU039897.D (-538) (-)

Ion 61.05 (60.75 to 61.75): VU039897.D (-538) (-)

Ion 97.95 (97.65 to 98.65): VU039897.D (-538) (-)



#19

1,1-Dichloroethane

Concen: 0.575 ug/L

RT: 3.89 min Scan# 792

Delta R.T. -0.00 min

Lab File: VU039897.D

Acq: 19 Aug 2020 09:31

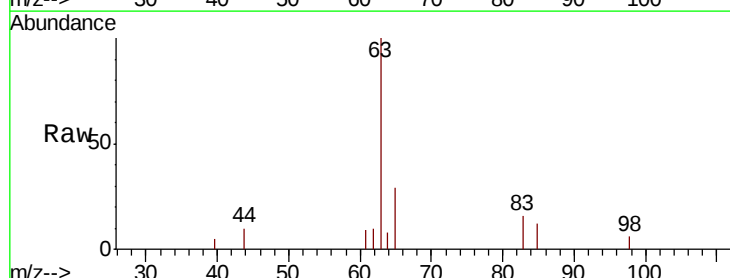
Tgt Ion: 63 Resp: 5519

Ion Ratio Lower Upper

63 100

65 28.6 21.6 40.0

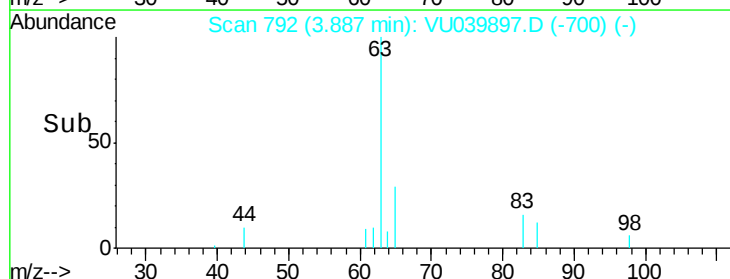
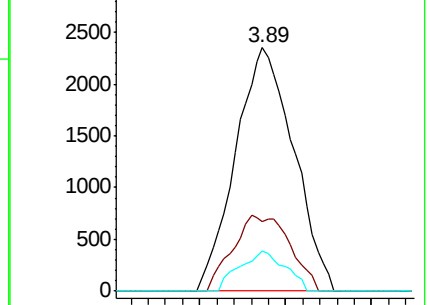
83 16.3 10.3 19.1

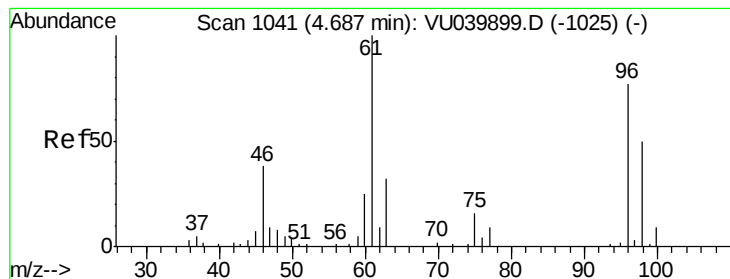


Abundance Ion 63.10 (62.80 to 63.80): VU039897.D (-700) (-)

Ion 65.10 (64.80 to 65.80): VU039897.D (-700) (-)

Ion 83.05 (82.75 to 83.75): VU039897.D (-700) (-)





#22

cis-1,2-Dichloroethene

Concen: 0.507 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. -0.00 min

Lab File: VU039897.D

Acq: 19 Aug 2020 09:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.502

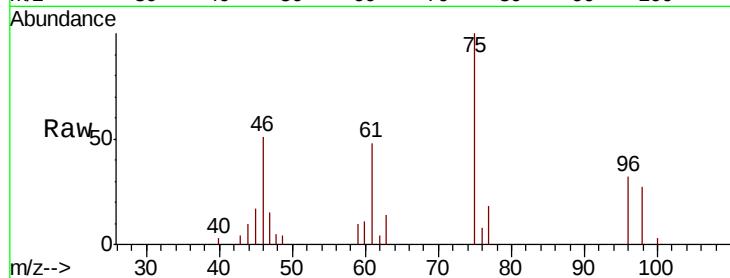
Tot Ion: 96 Resp: 2806

Ion Ratio Lower Upper

96 100

61 148.6 90.9 168.9

68 0.0 0.0 0.0

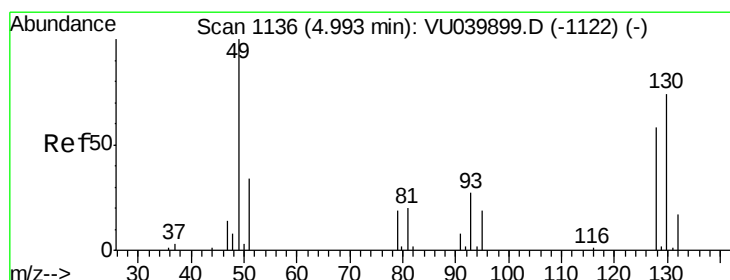
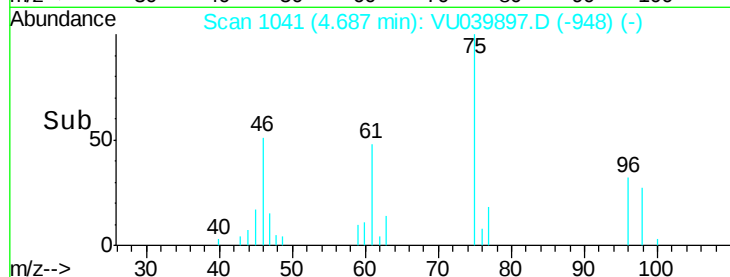
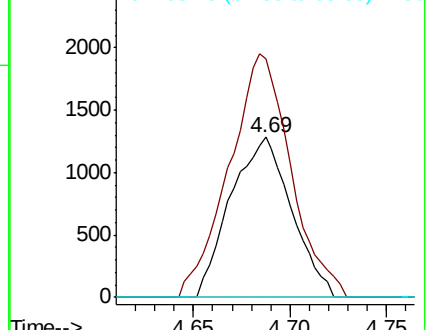


Abundance

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: 0.532 ug/L

RT: 5.00 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VU039897.D

Acq: 19 Aug 2020 09:31

Tgt Ion: 128 Resp: 1385

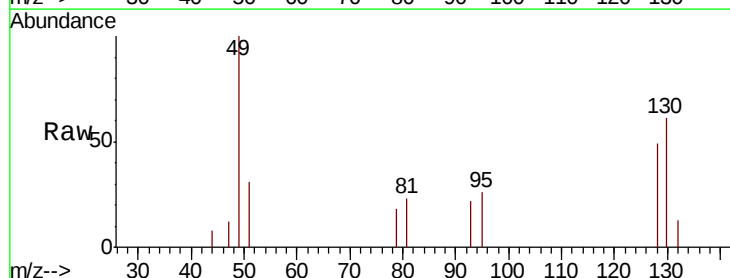
Ion Ratio Lower Upper

128 100

49 202.6 121.2 225.2

130 124.0 90.2 167.6

51 63.6 47.2 70.8



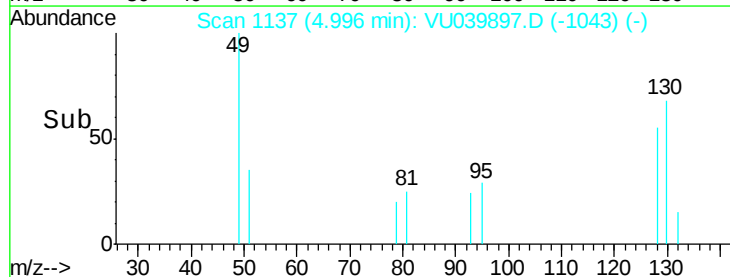
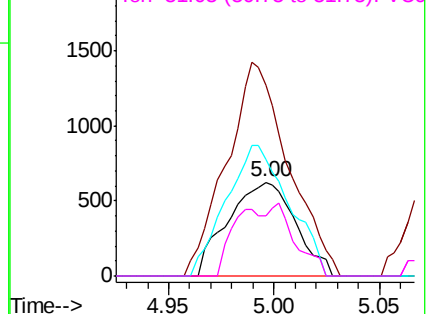
Abundance

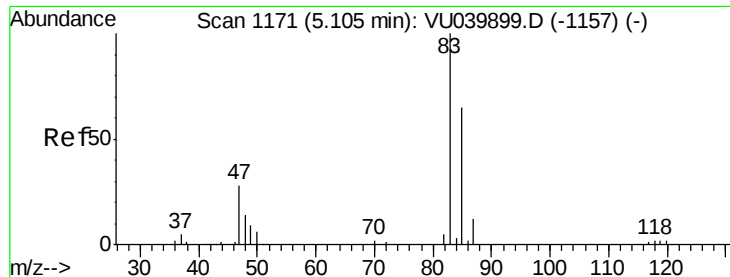
Ion 127.90 (127.60 to 128.60): V

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

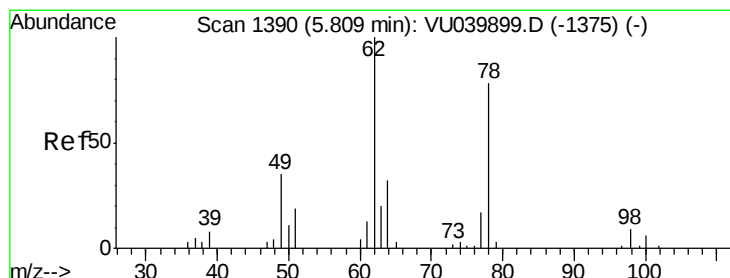
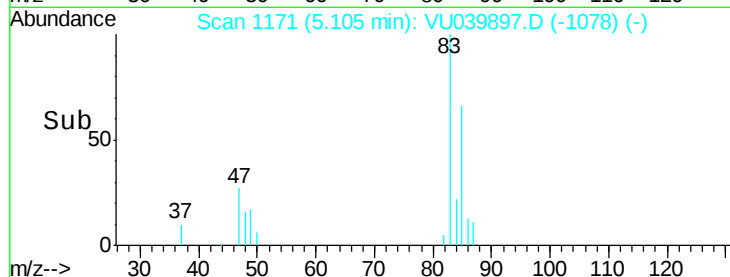
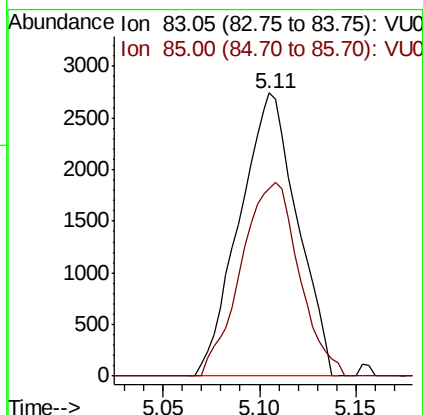
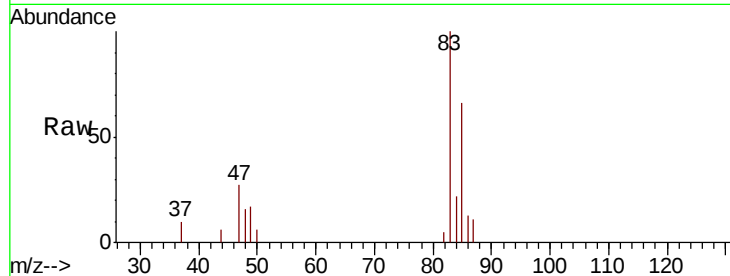




#25
 Chloroform
 Concen: 0.565 ug/L
 RT: 5.11 min Scan# 1171
 Delta R.T. -0.00 min
 Lab File: VU039897.D
 Acq: 19 Aug 2020 09:31

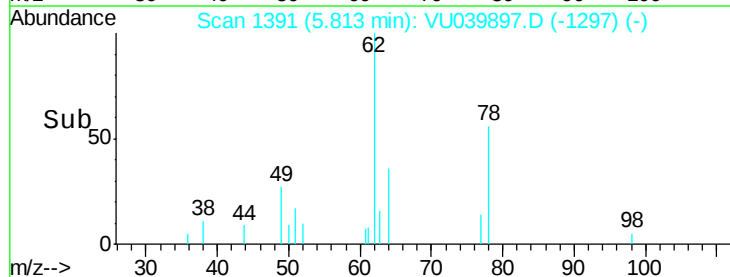
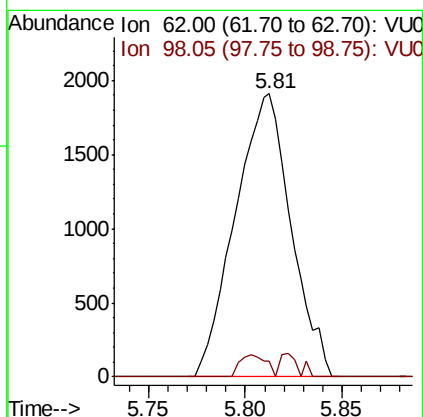
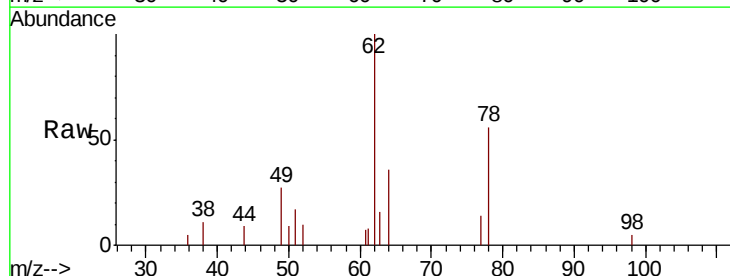
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

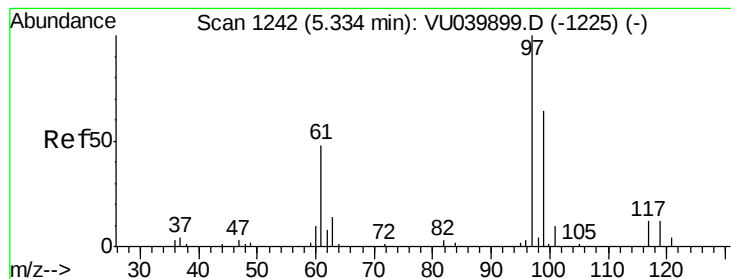
Tot Ion: 83 Resp: 5693
 Ion Ratio Lower Upper
 83 100
 85 66.4 46.4 86.2



#27
 1,2-Dichloroethane
 Concen: 0.551 ug/L
 RT: 5.81 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VU039897.D
 Acq: 19 Aug 2020 09:31

Tgt Ion: 62 Resp: 3845
 Ion Ratio Lower Upper
 62 100
 98 5.4 7.4 11.2#





#29

1,1,1-Trichloroethane

Concen: 0.574 ug/L

RT: 5.33 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VU039897.D

Acq: 19 Aug 2020 09:31

Instrument :

MSVOA_U

ClientSampleID :

VSTD0.502

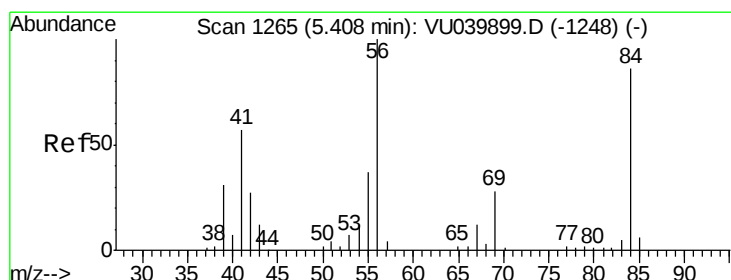
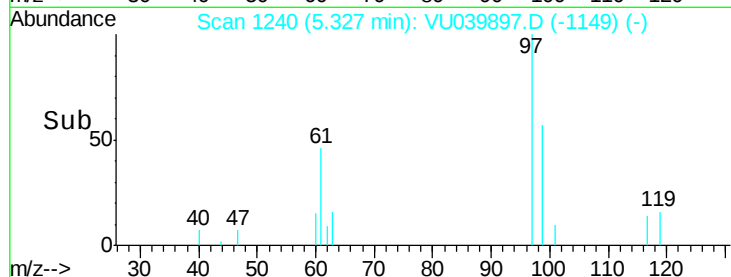
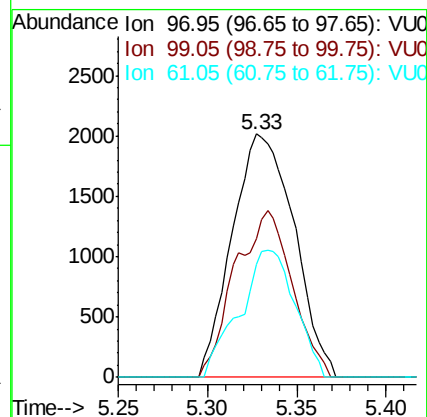
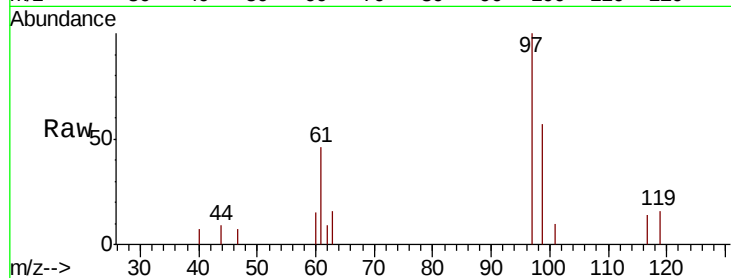
Tot Ion: 97 Resp: 4875

Ion Ratio Lower Upper

97 100

99 63.3 51.4 77.2

61 46.9 39.1 58.7



#30

Cyclohexane

Concen: 0.499 ug/L

RT: 5.41 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VU039897.D

Acq: 19 Aug 2020 09:31

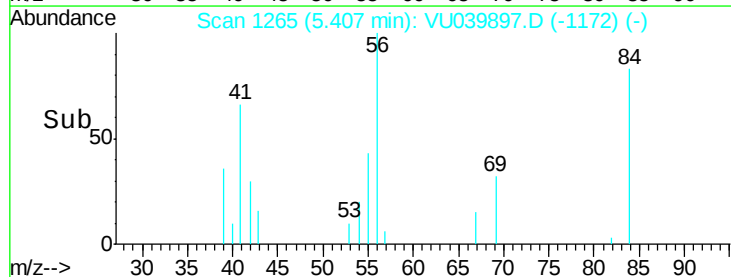
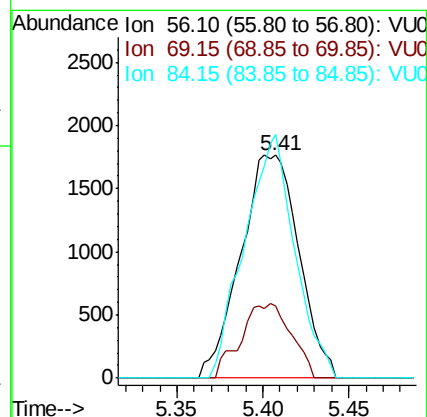
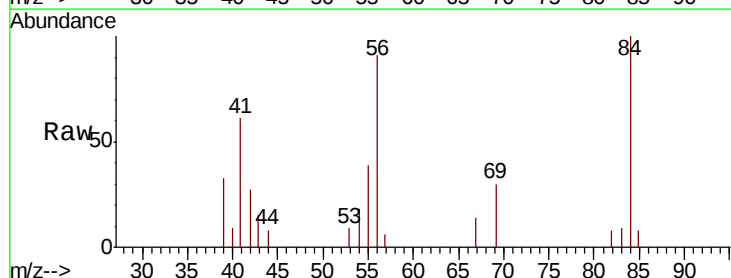
Tgt Ion: 56 Resp: 4153

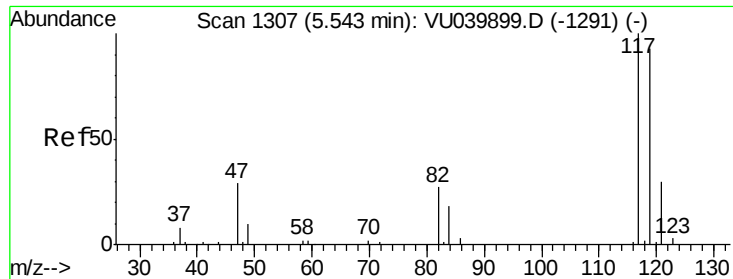
Ion Ratio Lower Upper

56 100

69 28.8 23.1 34.7

84 93.7 69.0 103.6

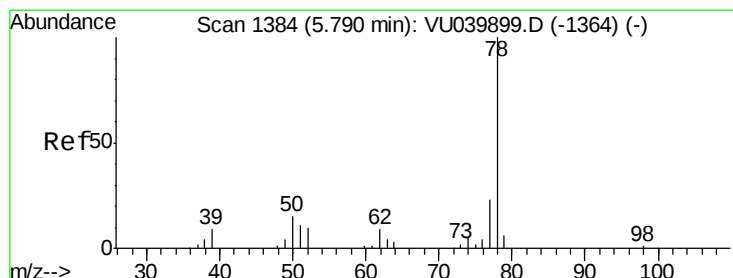
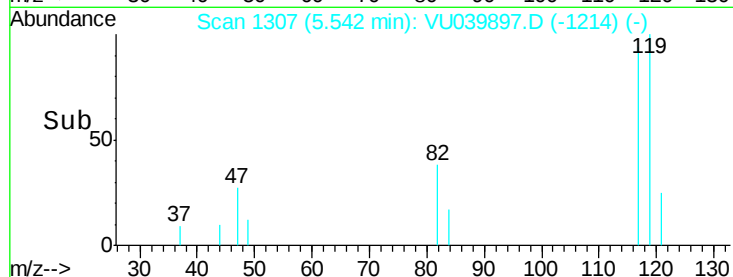
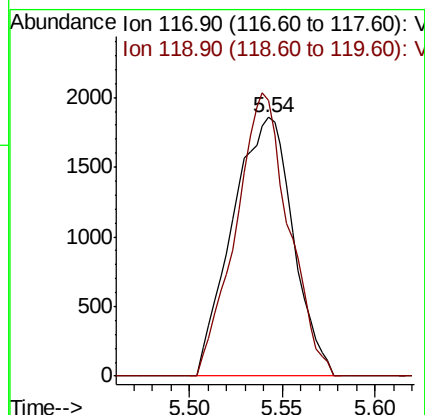
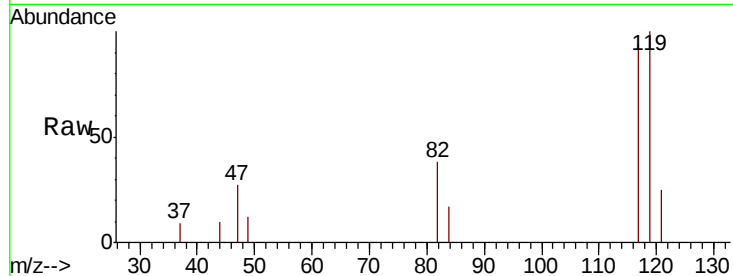




#31
Carbon tetrachloride
Concen: 0.545 ug/L
RT: 5.54 min Scan# 1307
Delta R.T. -0.00 min
Lab File: VU039897.D
Acq: 19 Aug 2020 09:31

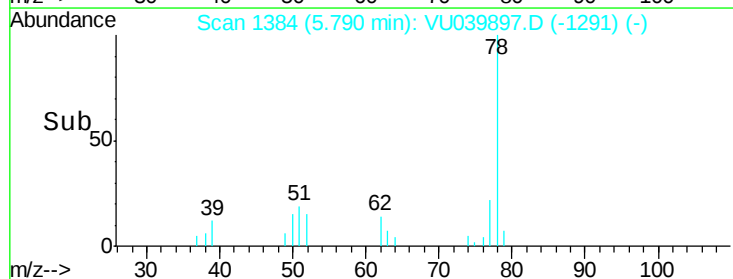
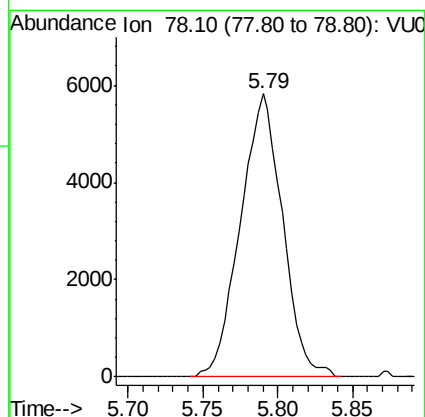
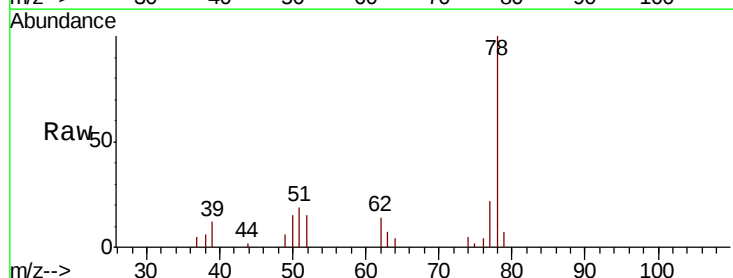
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.502

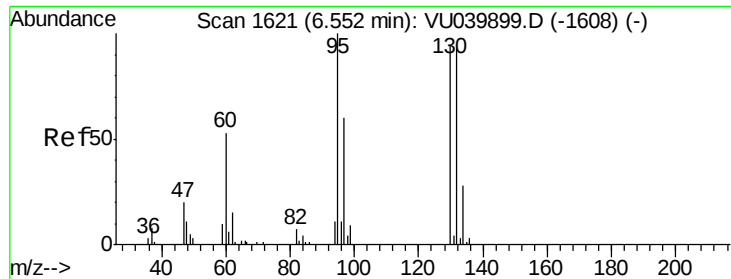
Tot Ion:117 Resp: 4215
Ion Ratio Lower Upper
117 100
119 95.7 77.6 116.4



#33
Benzene
Concen: 0.548 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. -0.00 min
Lab File: VU039897.D
Acq: 19 Aug 2020 09:31

Tgt Ion: 78 Resp: 11422

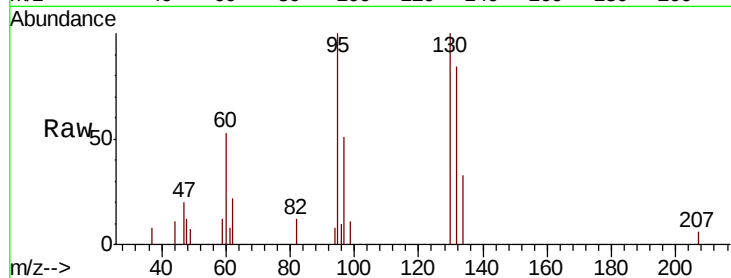




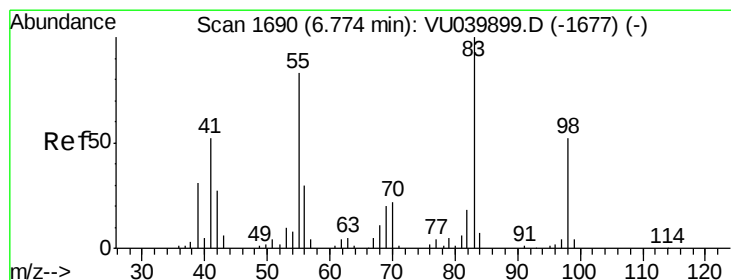
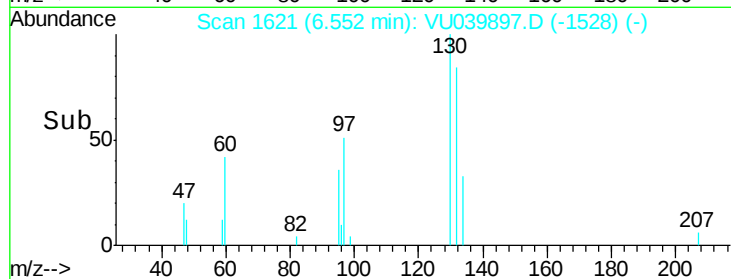
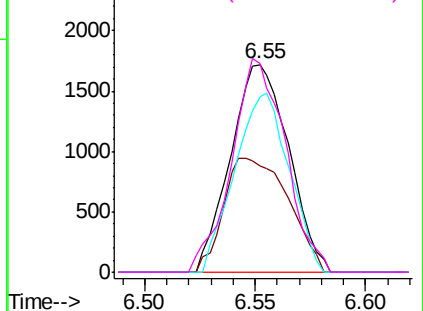
#34
 Trichloroethene
 Concen: 0.585 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU039897.D
 Acq: 19 Aug 2020 09:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

Tot Ion:	95	Resp:	3153
Ion	Ratio	Lower	Upper
95	100		
97	51.1	42.0	78.0
132	84.4	65.0	120.8
130	100.5	65.5	121.7

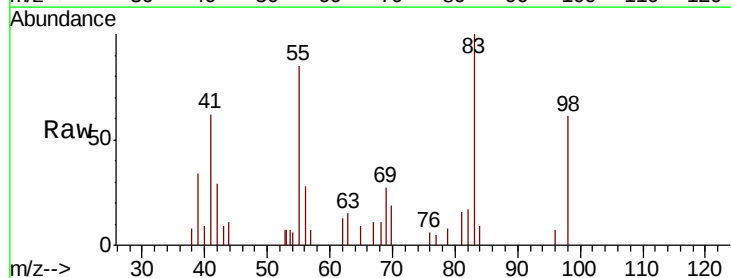


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

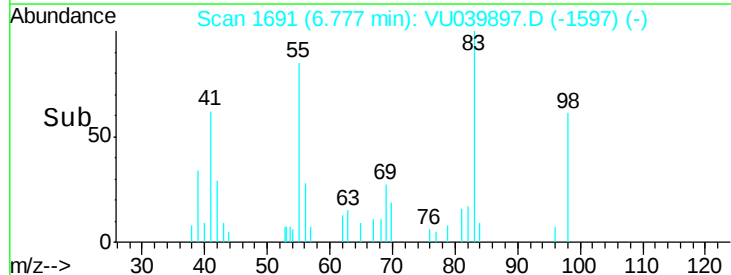
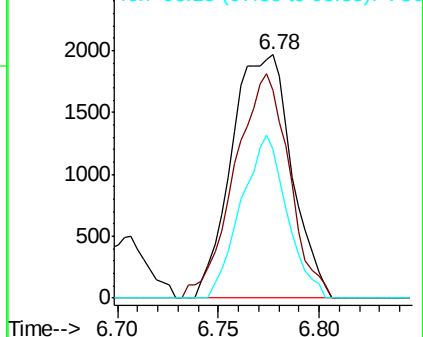


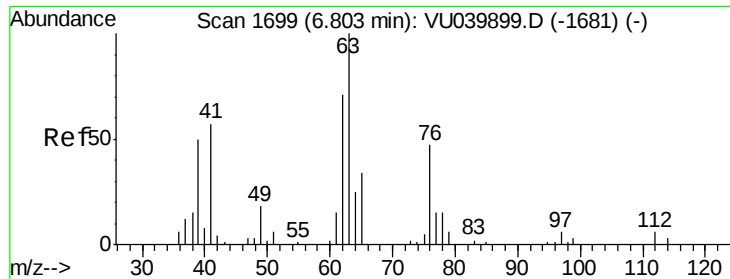
#35
 Methylcyclohexane
 Concen: 0.479 ug/L
 RT: 6.78 min Scan# 1691
 Delta R.T. 0.00 min
 Lab File: VU039897.D
 Acq: 19 Aug 2020 09:31

Tgt Ion:	83	Resp:	4092
Ion	Ratio	Lower	Upper
83	100		
55	83.7	64.1	96.1
98	51.0	39.4	59.0



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

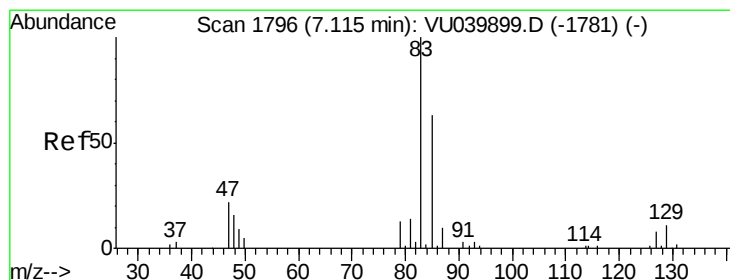
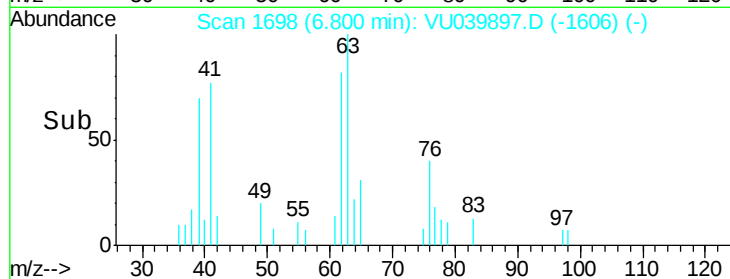
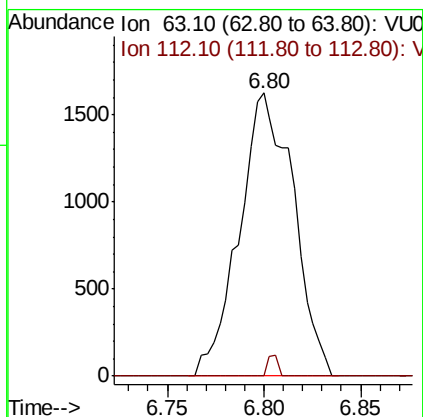
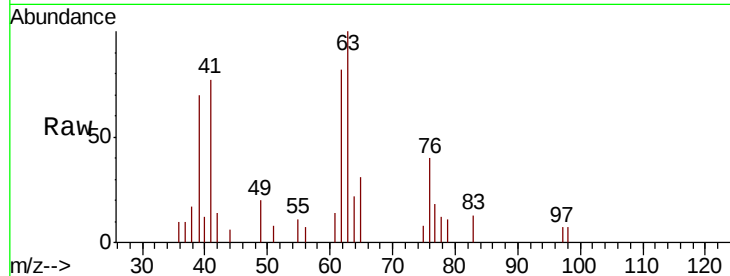




#37
 1,2-Dichloropropane
 Concen: 0.570 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VU039897.D
 Acq: 19 Aug 2020 09:31

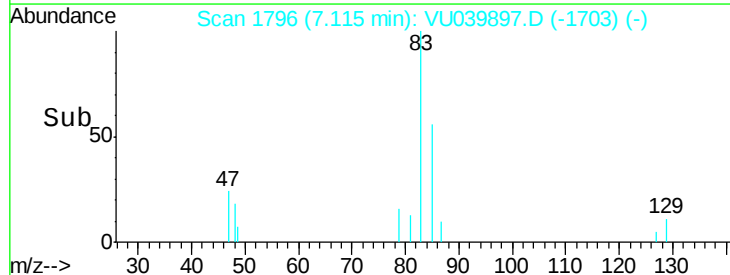
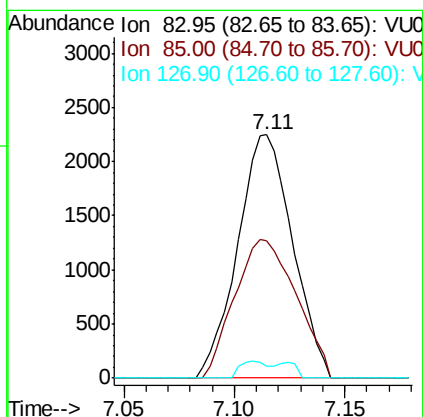
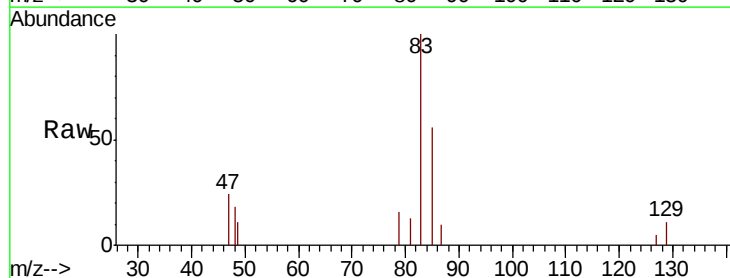
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

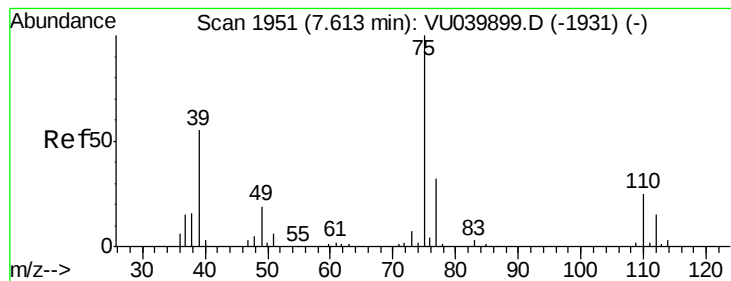
Tot Ion: 63 Resp: 3162
 Ion Ratio Lower Upper
 63 100
 112 1.4 4.1 6.1#



#38
 Bromodichloromethane
 Concen: 0.538 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU039897.D
 Acq: 19 Aug 2020 09:31

Tgt Ion: 83 Resp: 3890
 Ion Ratio Lower Upper
 83 100
 85 56.2 44.3 82.3
 127 5.1 6.7 10.1#





#39

cis-1,3-Dichloropropene

Concen: 0.529 ug/L

RT: 7.61 min Scan# 1951

Delta R.T. -0.00 min

Lab File: VU039897.D

Acq: 19 Aug 2020 09:31

Instrument :

MSVOA_U

ClientSampled :

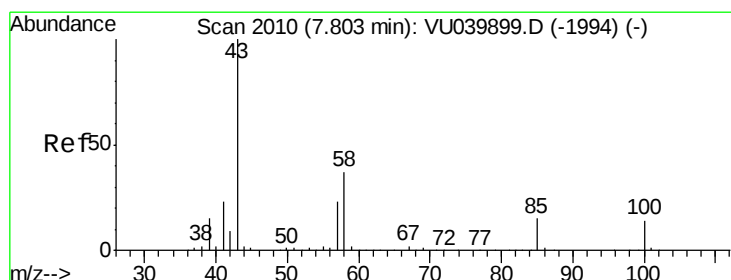
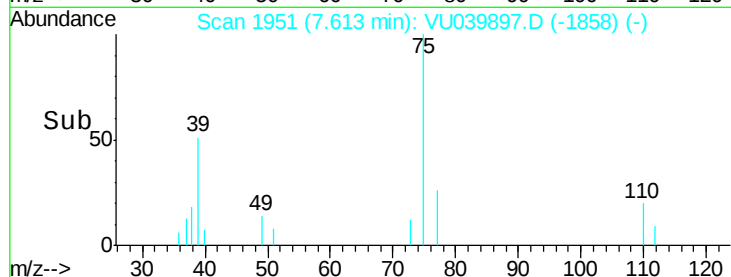
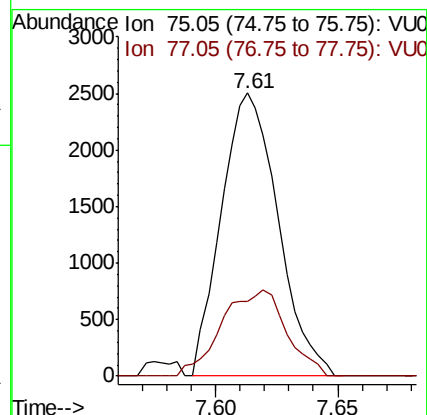
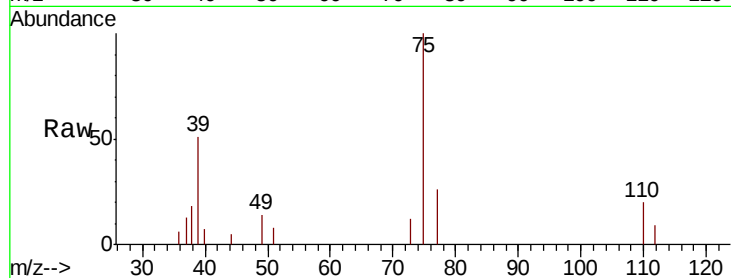
VSTD0.502

Tot Ion: 75 Resp: 4044

Ion Ratio Lower Upper

75 100

77 26.2 22.6 42.0



#40

4-Methyl-2-pentanone

Concen: 5.617 ug/L

RT: 7.80 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VU039897.D

Acq: 19 Aug 2020 09:31

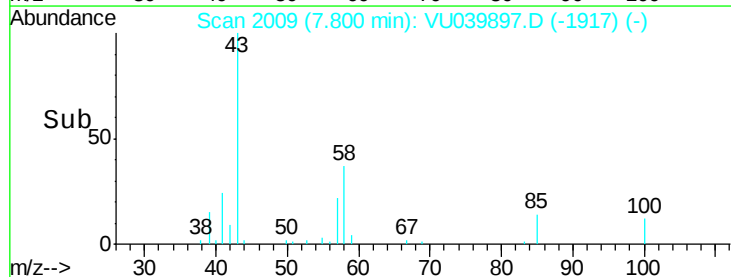
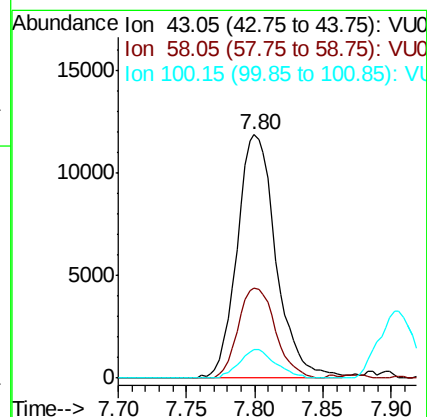
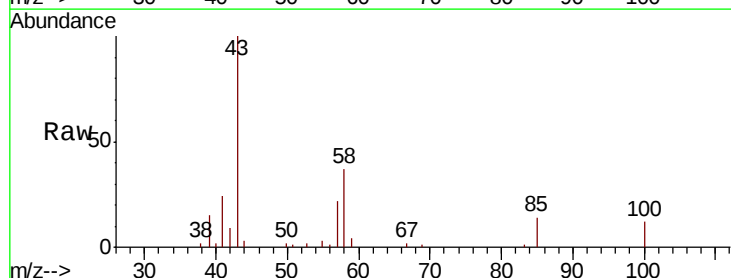
Tgt Ion: 43 Resp: 23478

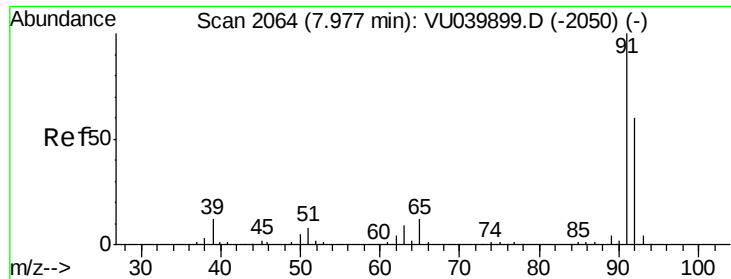
Ion Ratio Lower Upper

43 100

58 35.3 29.7 44.5

100 10.9 11.2 16.8#





#42

Toluene

Concen: 0.513 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU039897.D

Acq: 19 Aug 2020 09:31

Instrument :

MSVOA_U

ClientSampleId :

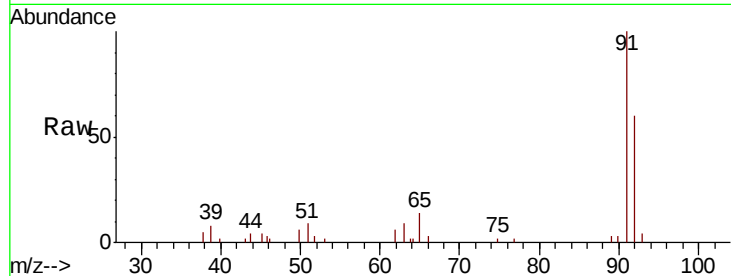
VSTD0.502

Tot Ion: 91 Resp: 11242

Ion Ratio Lower Upper

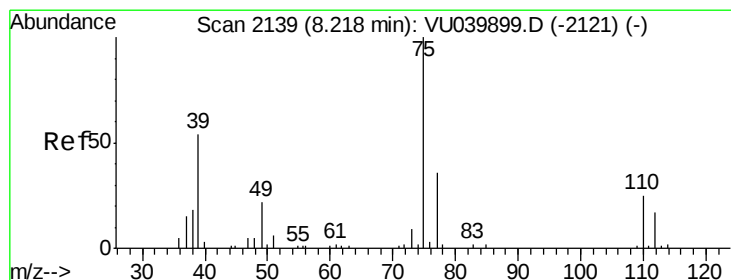
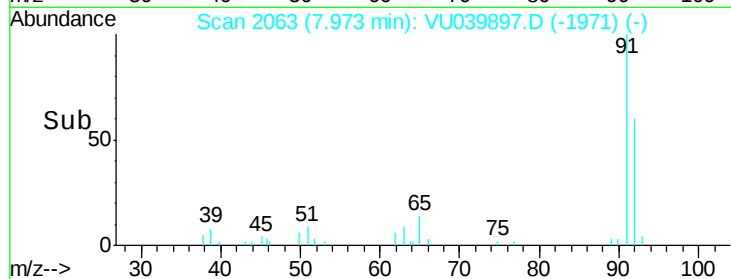
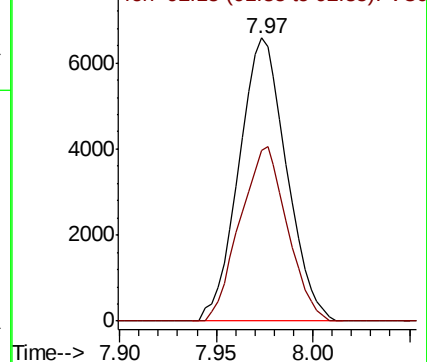
91 100

92 60.5 42.3 78.5



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.576 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU039897.D

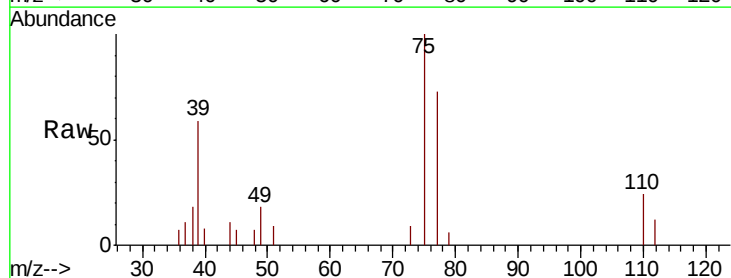
Acq: 19 Aug 2020 09:31

Tgt Ion: 75 Resp: 3914

Ion Ratio Lower Upper

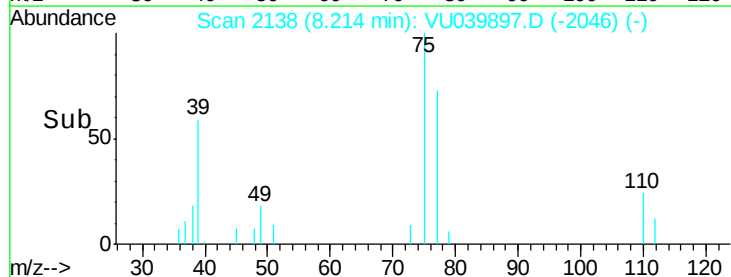
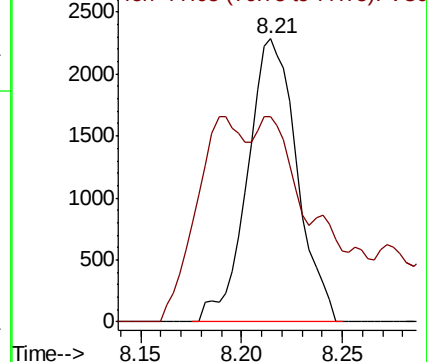
75 100

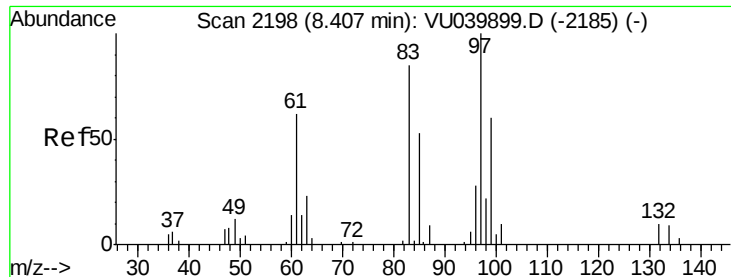
77 72.5 25.3 46.9#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

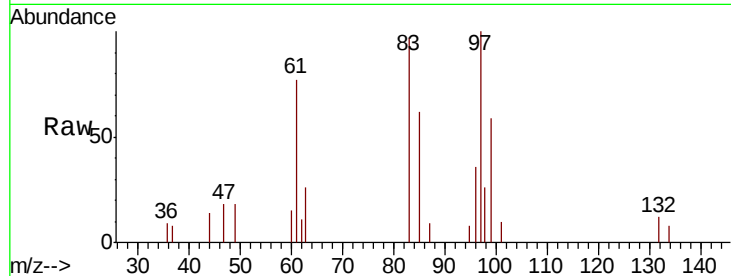




#45
 1,1,2-Trichloroethane
 Concen: 0.577 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VU039897.D
 Acq: 19 Aug 2020 09:31

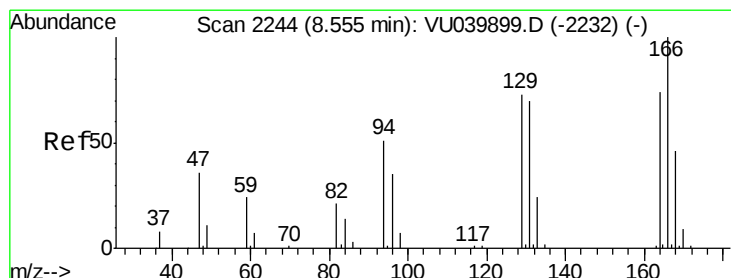
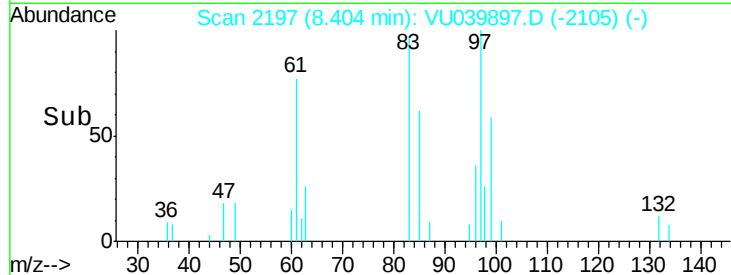
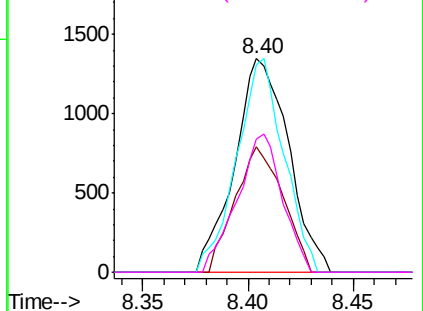
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

Tot Ion:	97	Resp:	2392
Ion	Ratio	Lower	Upper
97	100		
99	58.5	42.1	78.3
83	96.9	59.3	110.1
85	62.4	37.2	69.2



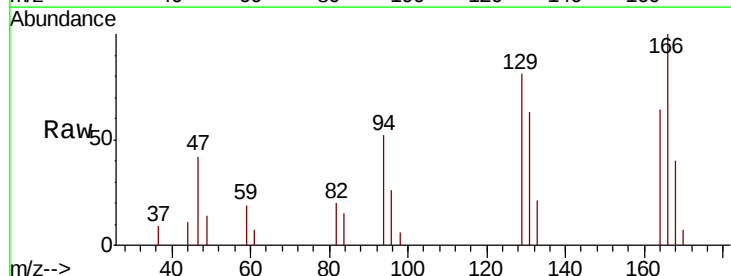
Abundance

Ion 96.95 (96.65 to 97.65): VU039897.D (-2198) (-)



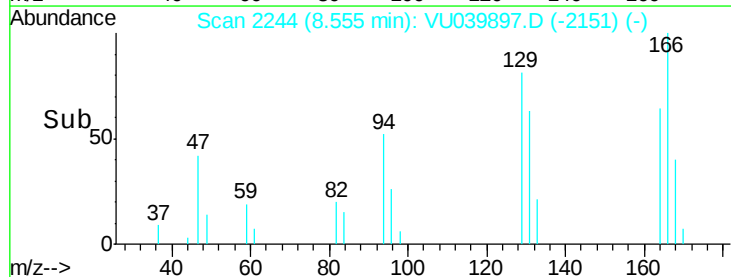
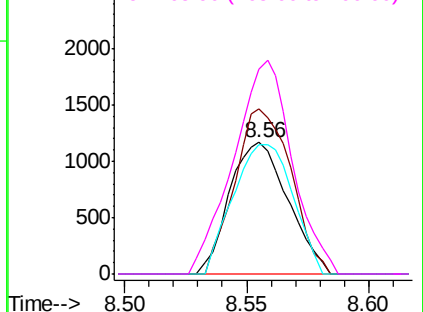
#47
 Tetrachloroethene
 Concen: 0.444 ug/L
 RT: 8.56 min Scan# 2244
 Delta R.T. -0.00 min
 Lab File: VU039897.D
 Acq: 19 Aug 2020 09:31

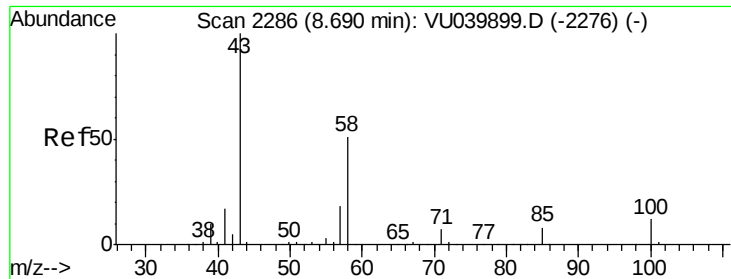
Tgt Ion:	164	Resp:	1946
Ion	Ratio	Lower	Upper
164	100		
129	125.5	69.1	128.3
131	97.7	66.0	122.6
166	155.3	94.0	174.6



Abundance

Ion 163.90 (163.60 to 164.60): VU039897.D (-2244) (-)

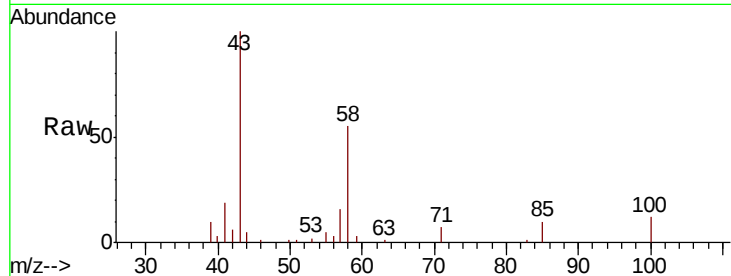




#48
2-Hexanone
Concen: 5.585 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU039897.D
Acq: 19 Aug 2020 09:31

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.502

Tot Ion:	43	Resp:	16823
Ion	Ratio	Lower	Upper
43	100		
58	50.1	41.3	61.9
57	15.4	14.1	21.1
100	10.6	9.1	13.7

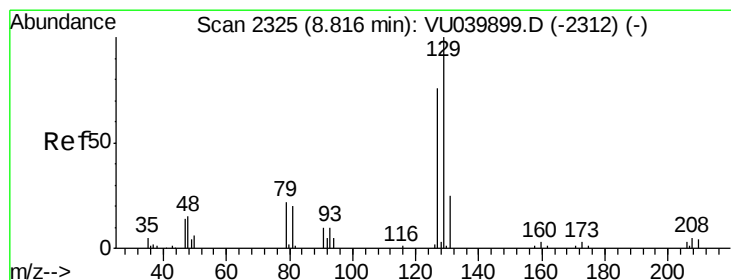
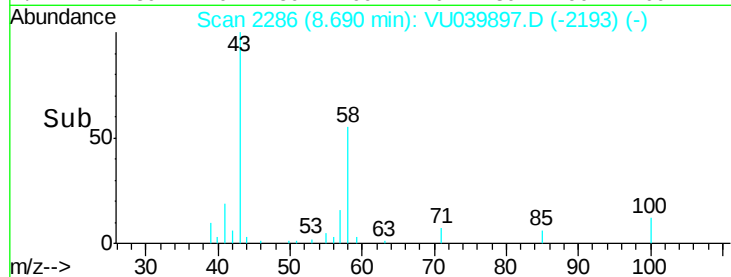
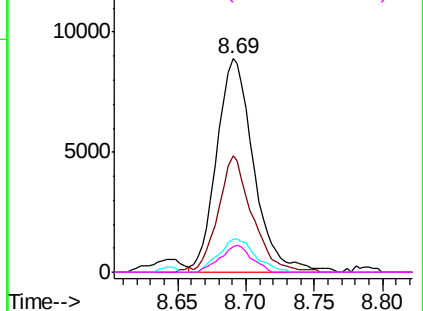


Abundance Ion 43.05 (42.75 to 43.75): VU039897.D (-2193) (-)

Ion 58.05 (57.75 to 58.75): VU039897.D (-2193) (-)

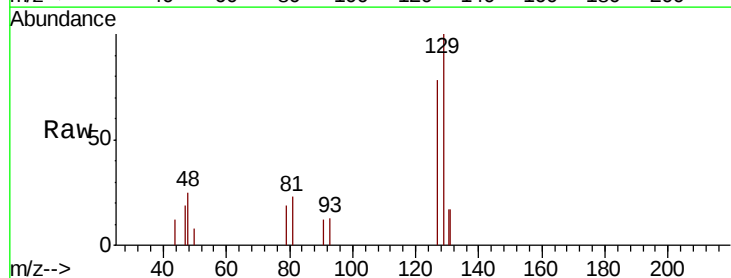
Ion 57.20 (56.90 to 57.90): VU039897.D (-2193) (-)

Ion 100.15 (99.85 to 100.85): VU039897.D (-2193) (-)



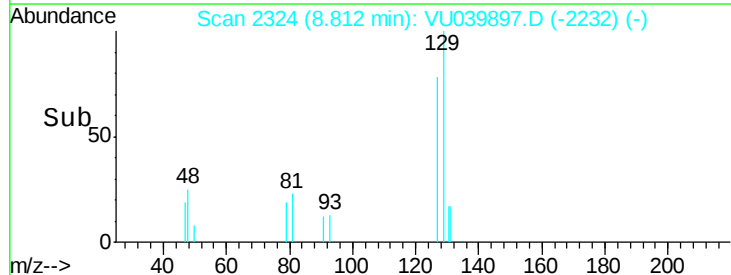
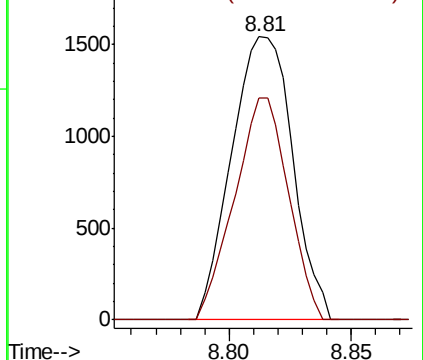
#49
Dibromochloromethane
Concen: 0.529 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU039897.D
Acq: 19 Aug 2020 09:31

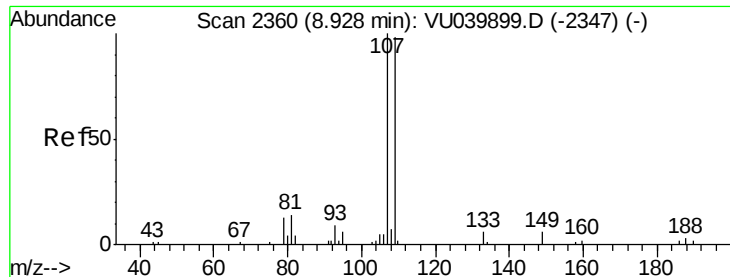
Tgt Ion:	129	Resp:	2683
Ion	Ratio	Lower	Upper
129	100		
127	78.4	53.1	98.7



Abundance Ion 128.95 (128.65 to 129.65): VU039897.D (-2232) (-)

Ion 126.90 (126.60 to 127.60): VU039897.D (-2232) (-)

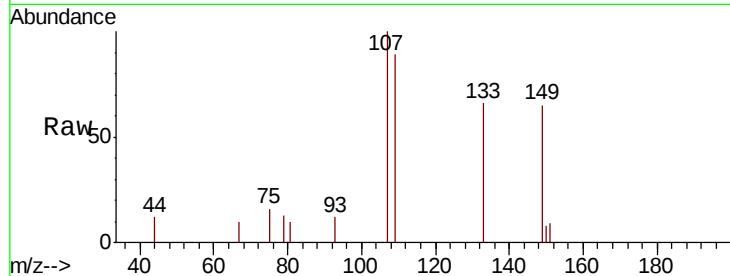




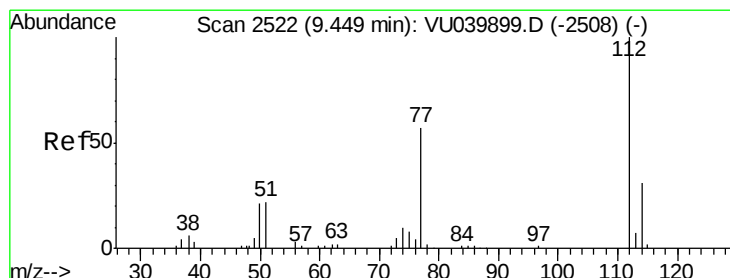
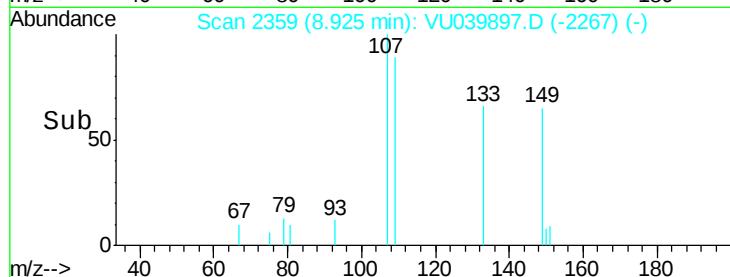
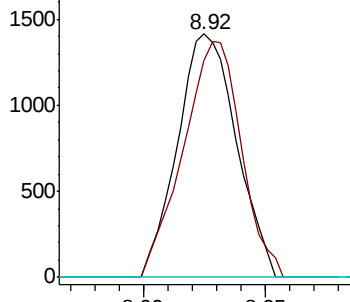
#50
 1,2-Dibromoethane
 Concen: 0.588 ug/L
 RT: 8.92 min Scan# 2359
 Delta R.T. -0.00 min
 Lab File: VU039897.D
 Acq: 19 Aug 2020 09:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

Tot Ion:107 Resp: 2373
 Ion Ratio Lower Upper
 107 100
 109 89.3 68.3 126.9
 188 0.0 2.2 3.4#

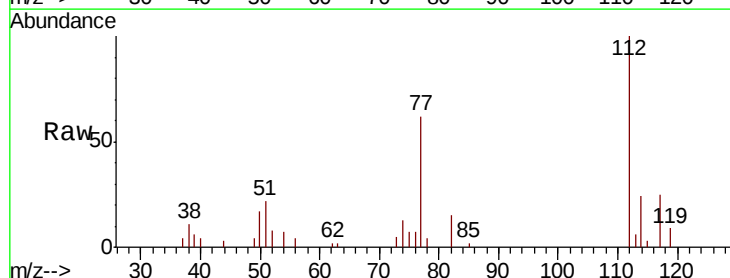


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

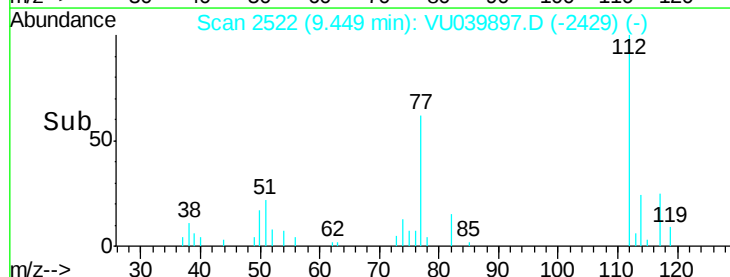
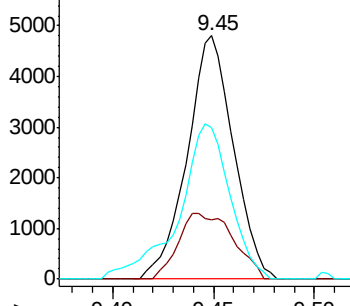


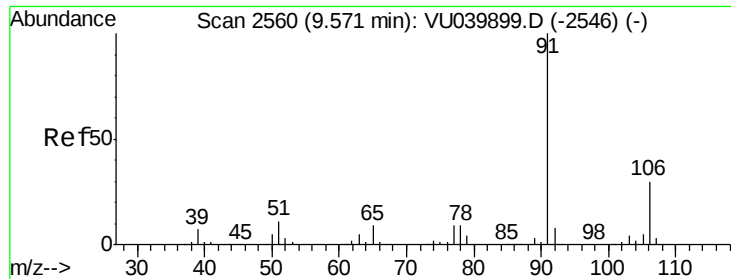
#51
 Chlorobenzene
 Concen: 0.529 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. -0.00 min
 Lab File: VU039897.D
 Acq: 19 Aug 2020 09:31

Tgt Ion:112 Resp: 7695
 Ion Ratio Lower Upper
 112 100
 114 24.4 21.8 40.4
 77 62.4 45.4 68.0



Abundance Ion 112.10 (111.80 to 112.80): V
 Ion 114.05 (113.75 to 114.75): V
 Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 0.486 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU039897.D

Acq: 19 Aug 2020 09:31

Instrument :

MSVOA_U

ClientSampleId :

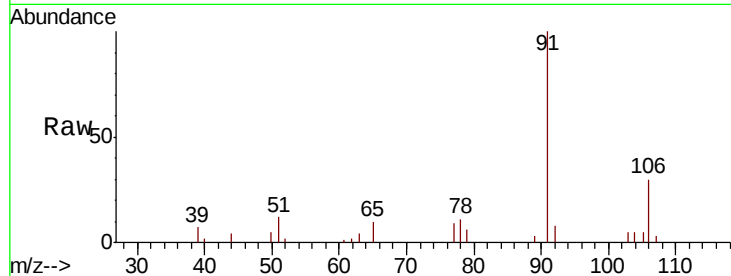
VSTD0.502

Tot Ion: 91 Resp: 11790

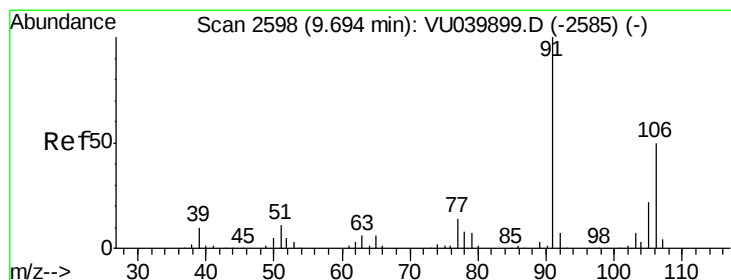
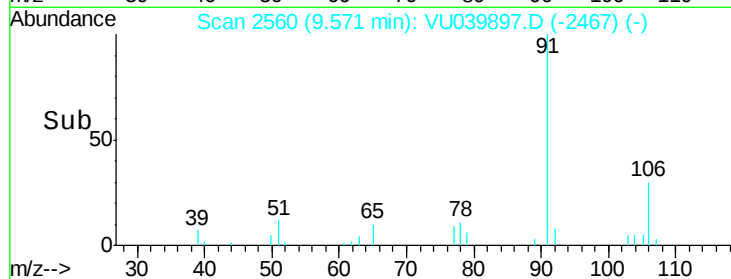
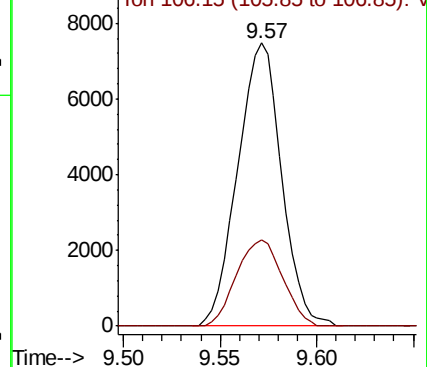
Ion Ratio Lower Upper

91 100

106 30.4 21.2 39.4



Abundance Ion 91.15 (90.85 to 91.85): VU039899.D (-2546) (-)



#53

m,p-Xylene

Concen: 0.473 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU039897.D

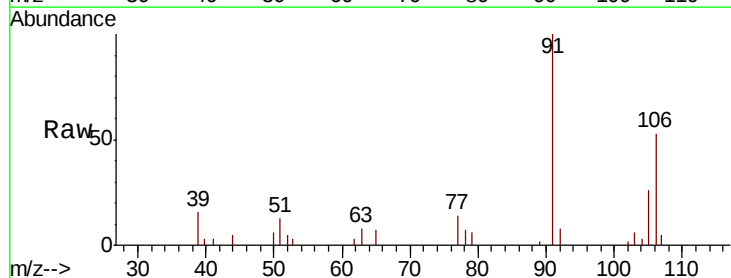
Acq: 19 Aug 2020 09:31

Tgt Ion: 106 Resp: 4369

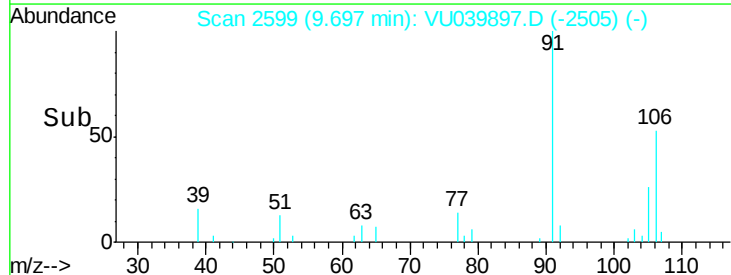
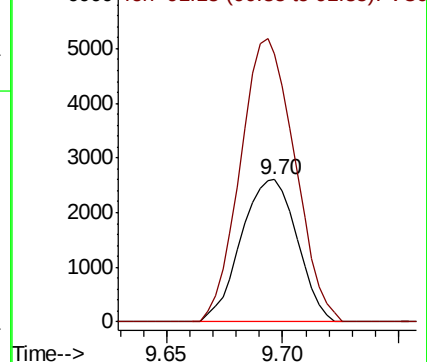
Ion Ratio Lower Upper

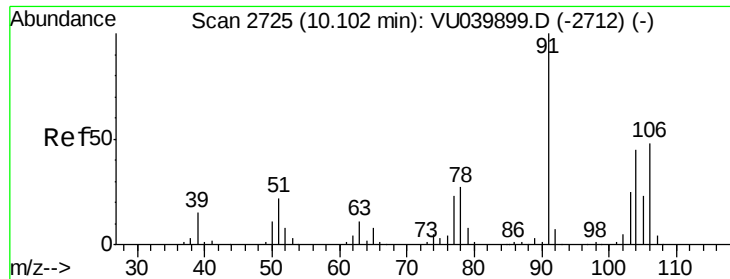
106 100

91 188.8 139.8 259.6



Abundance Ion 106.15 (105.85 to 106.85): VU039899.D (-2585) (-)

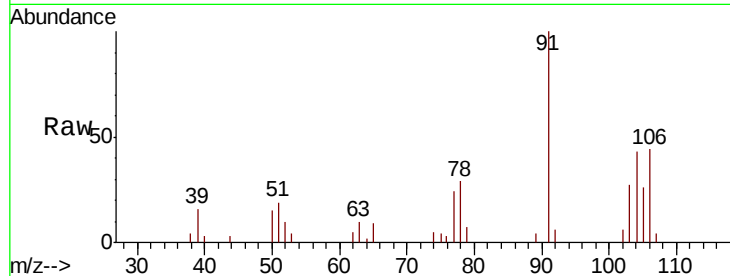




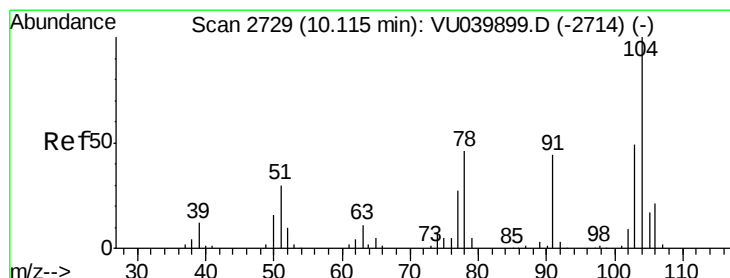
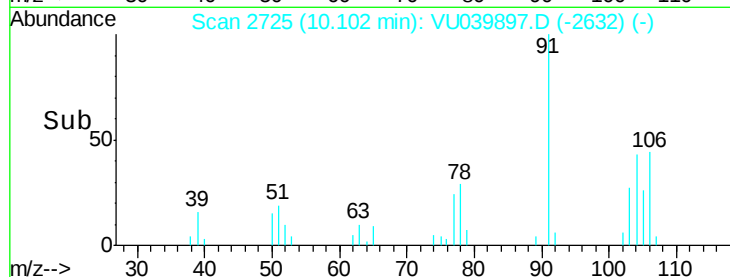
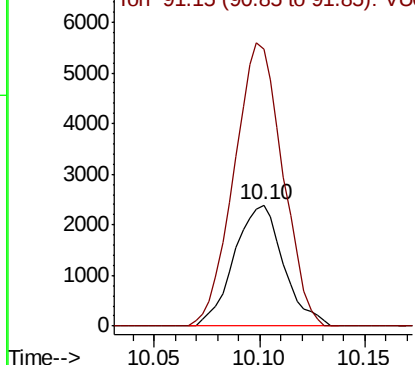
#54
o-Xylene
Concen: 0.431 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. -0.00 min
Lab File: VU039897.D
Acq: 19 Aug 2020 09:31

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.502

Tot Ion:106 Resp: 3882
Ion Ratio Lower Upper
106 100
91 229.2 144.6 268.6

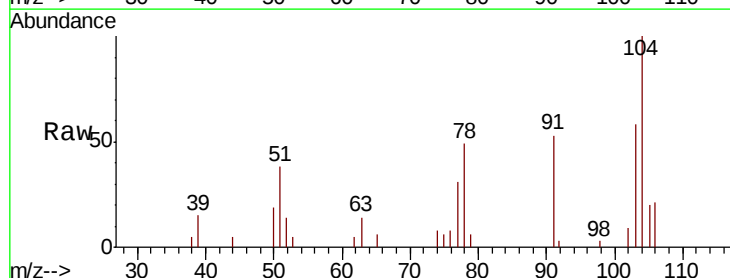


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

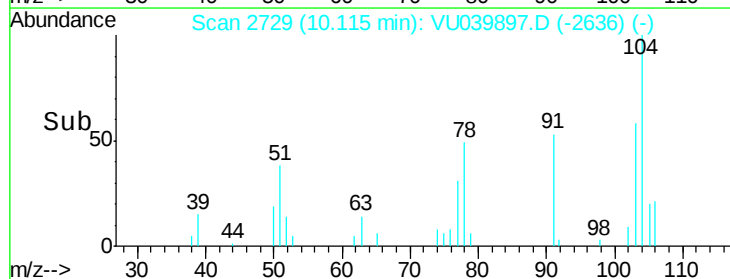
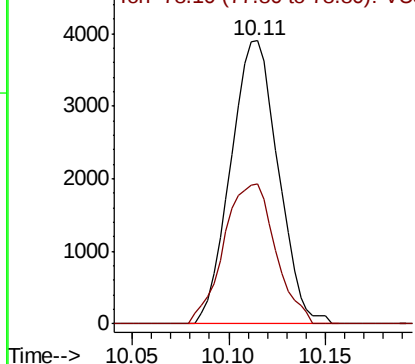


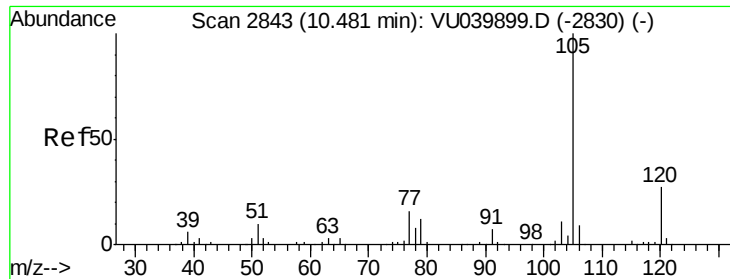
#55
Styrene
Concen: 0.436 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU039897.D
Acq: 19 Aug 2020 09:31

Tgt Ion:104 Resp: 6672
Ion Ratio Lower Upper
104 100
78 49.4 32.3 59.9



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





#56

Isopropylbenzene

Concen: 0.451 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU039897.D

Acq: 19 Aug 2020 09:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.502

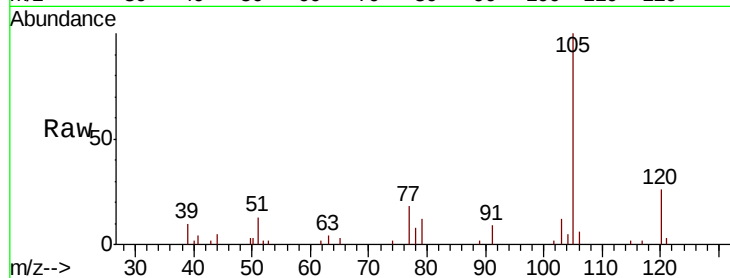
Tot Ion:105 Resp: 10863

Ion Ratio Lower Upper

105 100

120 24.0 21.5 32.3

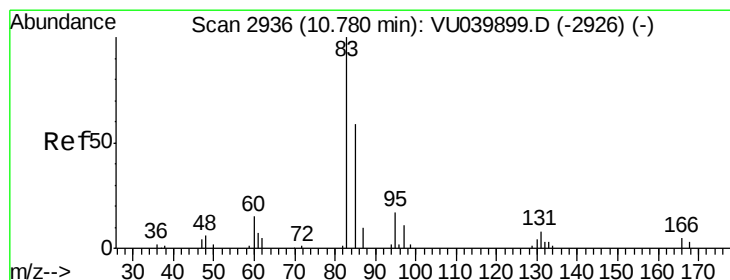
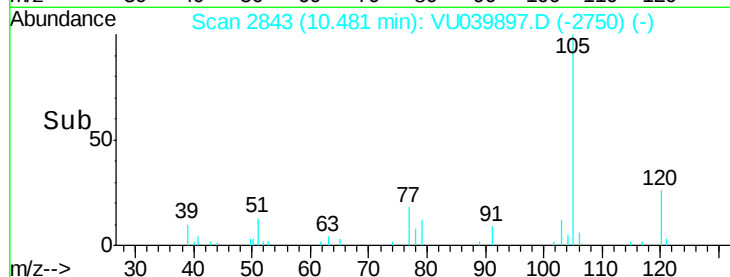
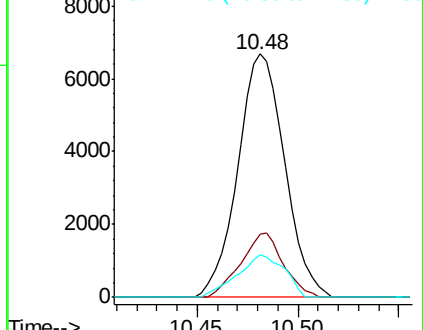
77 17.5 13.0 19.6



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: 0.531 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU039897.D

Acq: 19 Aug 2020 09:31

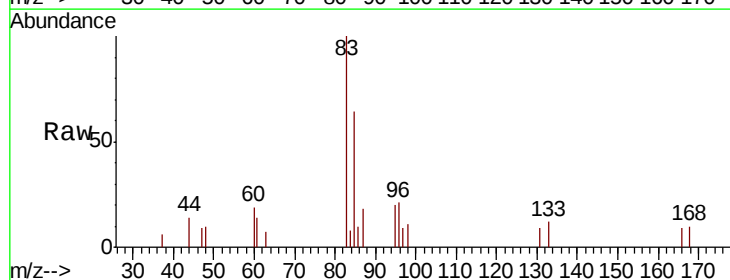
Tgt Ion: 83 Resp: 3001

Ion Ratio Lower Upper

83 100

85 63.9 42.8 79.6

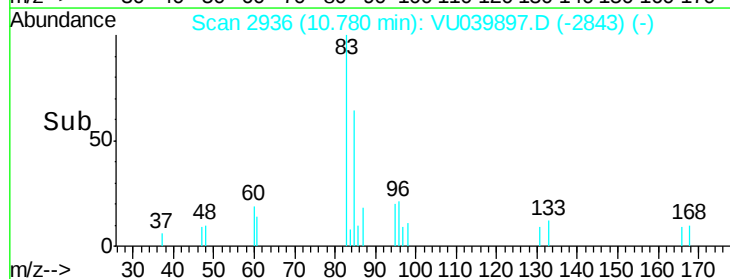
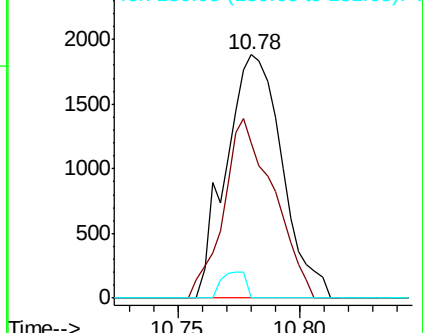
131 0.0 7.4 11.2#

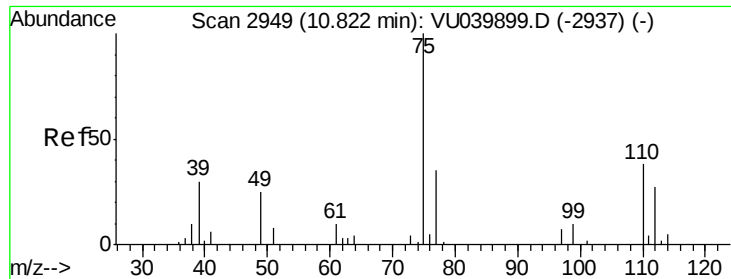


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

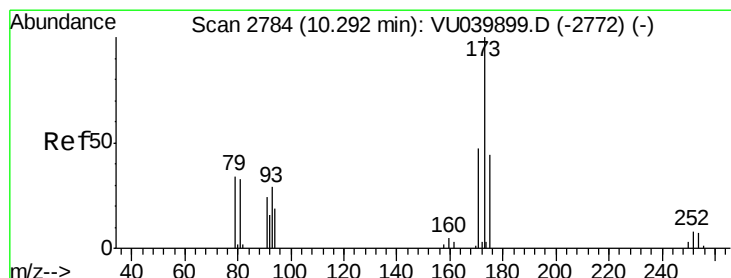
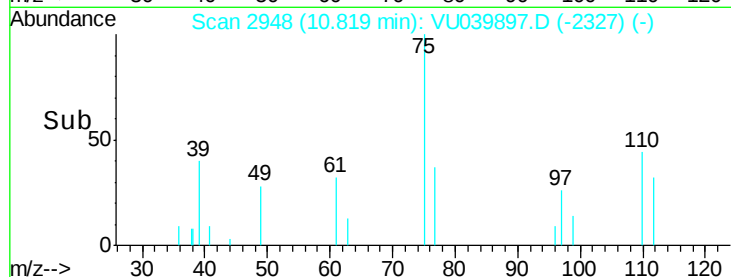
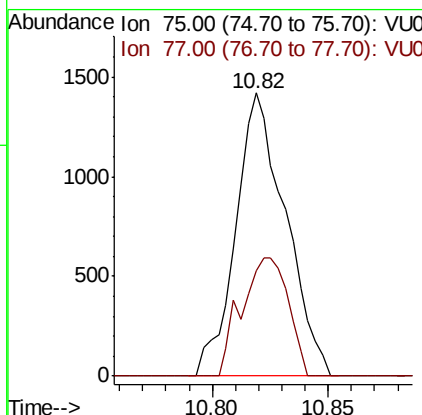
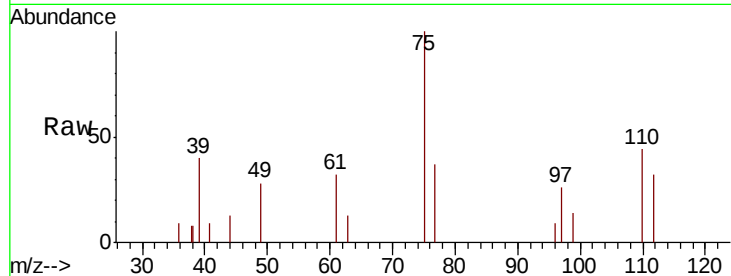




#59
 1,2,3-Trichloropropane
 Concen: 0.533 ug/L
 RT: 10.82 min Scan# 2948
 Delta R.T. -0.00 min
 Lab File: VU039897.D
 Acq: 19 Aug 2020 09:31

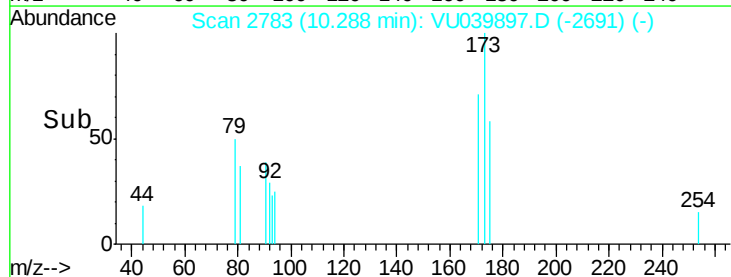
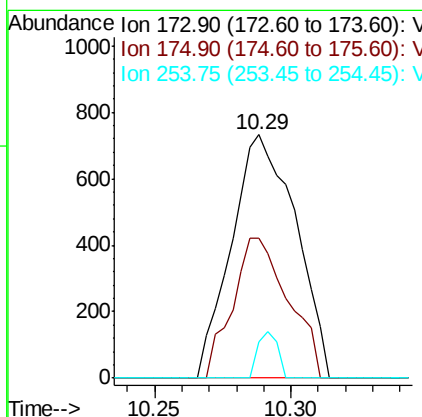
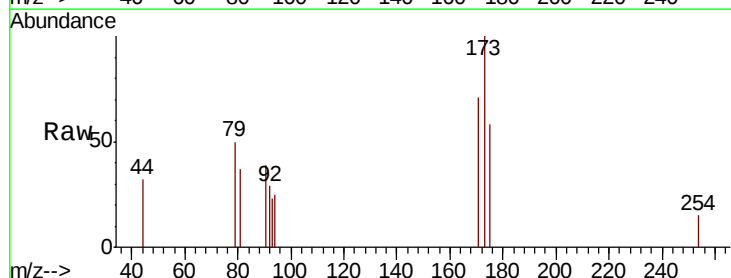
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

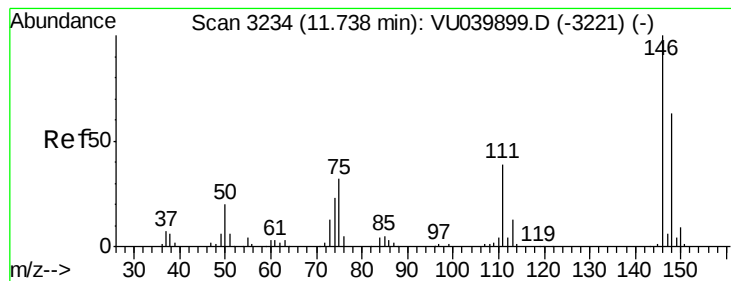
Tot Ion: 75 Resp: 2113
 Ion Ratio Lower Upper
 75 100
 77 39.2 27.4 41.2



#61
 Bromoform
 Concen: 0.467 ug/L
 RT: 10.29 min Scan# 2783
 Delta R.T. -0.00 min
 Lab File: VU039897.D
 Acq: 19 Aug 2020 09:31

Tgt Ion: 173 Resp: 1200
 Ion Ratio Lower Upper
 173 100
 175 50.0 37.6 56.4
 254 5.8 5.8 8.8#





#62

1,3-Dichlorobenzene

Concen: 0.526 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU039897.D

Acq: 19 Aug 2020 09:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.502

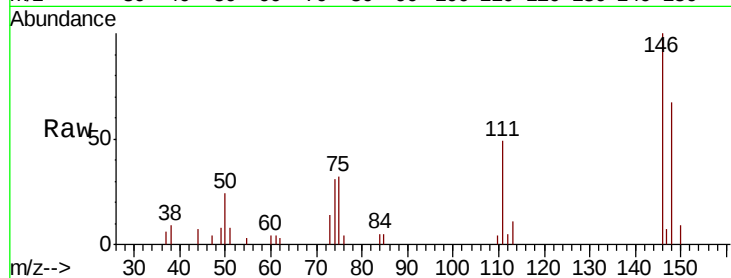
Tot Ion:146 Resp: 5815

Ion Ratio Lower Upper

146 100

111 48.7 27.6 51.4

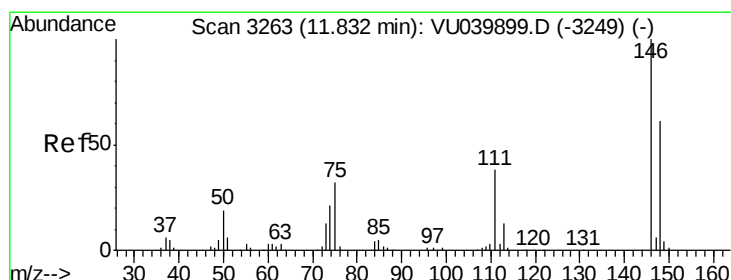
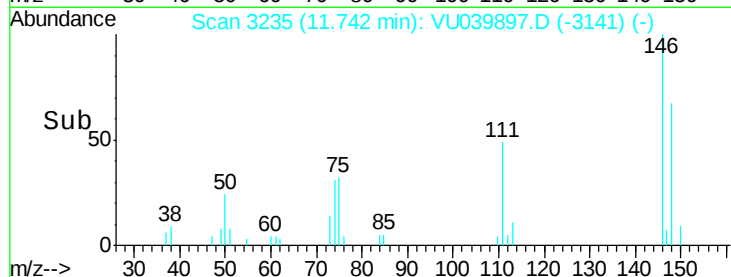
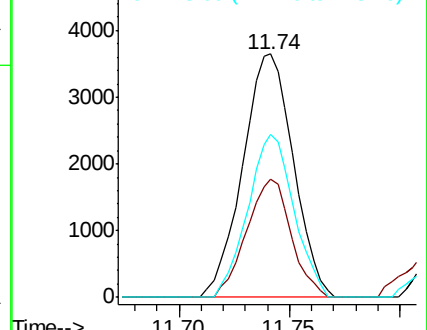
148 66.8 43.8 81.4



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: 0.522 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. -0.00 min

Lab File: VU039897.D

Acq: 19 Aug 2020 09:31

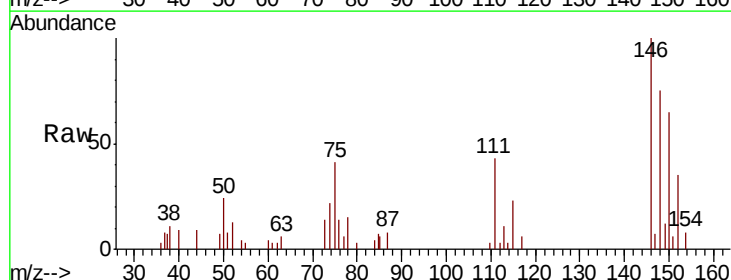
Tgt Ion:146 Resp: 6027

Ion Ratio Lower Upper

146 100

111 42.6 26.5 49.1

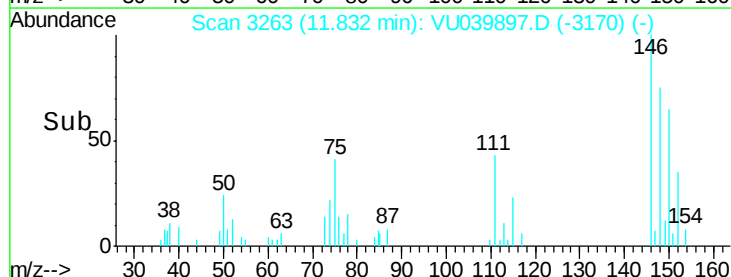
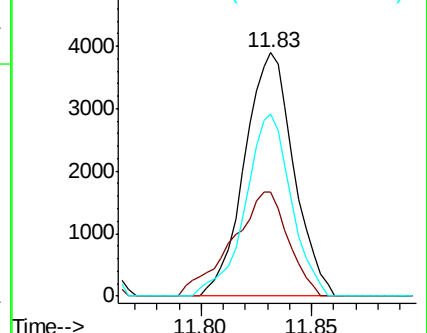
148 74.8 42.8 79.4

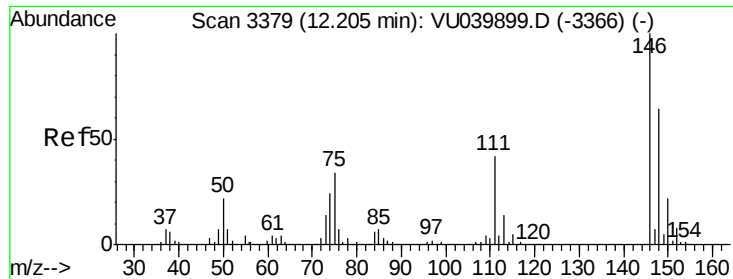


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

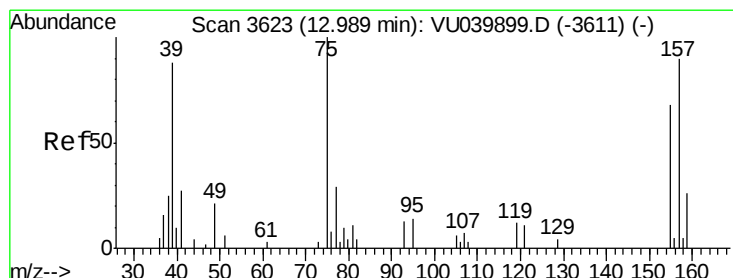
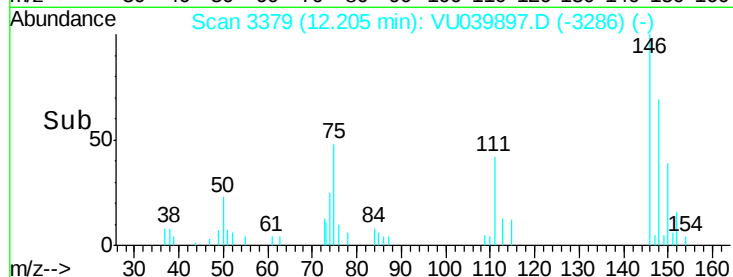
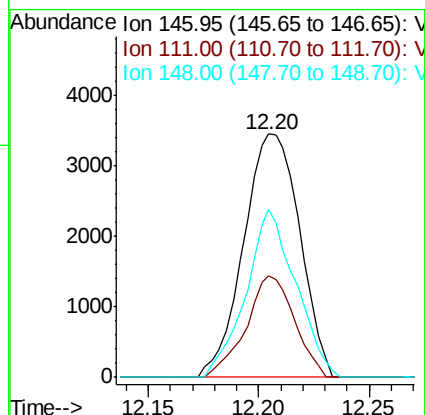
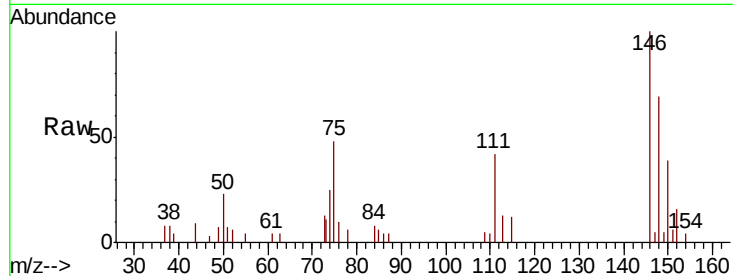




#65
 1,2-Dichlorobenzene
 Concen: 0.562 ug/L
 RT: 12.20 min Scan# 3379
 Delta R.T. -0.00 min
 Lab File: VU039897.D
 Acq: 19 Aug 2020 09:31

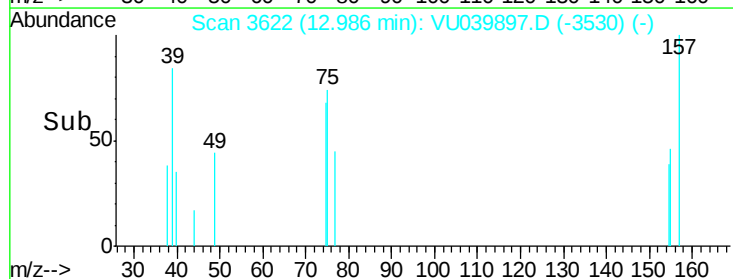
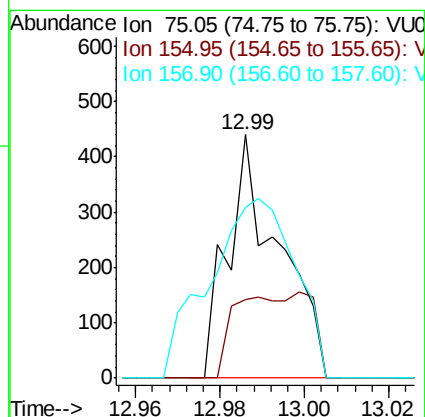
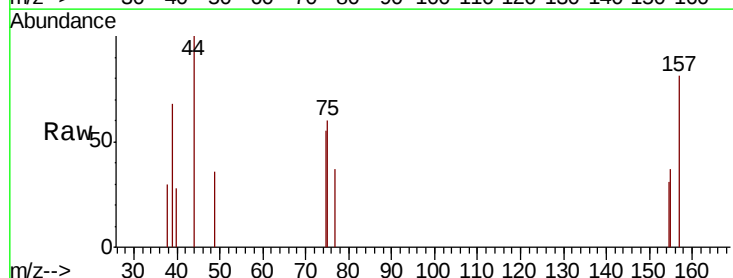
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

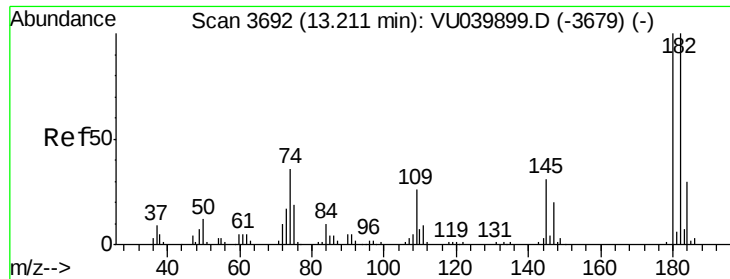
Tot Ion:146 Resp: 6075
 Ion Ratio Lower Upper
 146 100
 111 41.8 33.4 50.0
 148 68.9 51.4 77.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.443 ug/L
 RT: 12.99 min Scan# 3622
 Delta R.T. -0.00 min
 Lab File: VU039897.D
 Acq: 19 Aug 2020 09:31

Tgt Ion: 75 Resp: 370
 Ion Ratio Lower Upper
 75 100
 155 32.3 54.6 82.0#
 157 70.2 72.2 108.4#

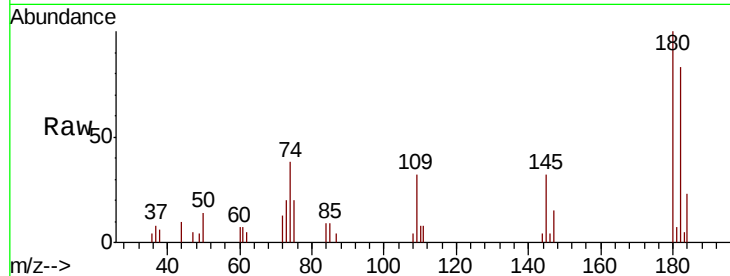




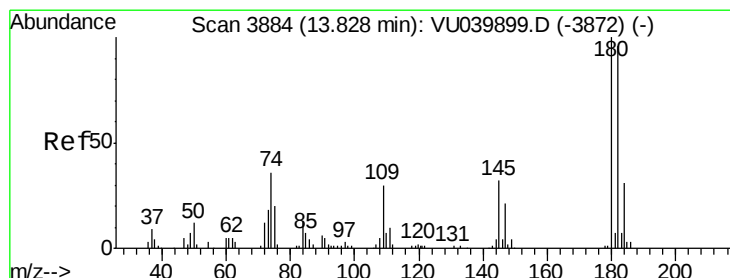
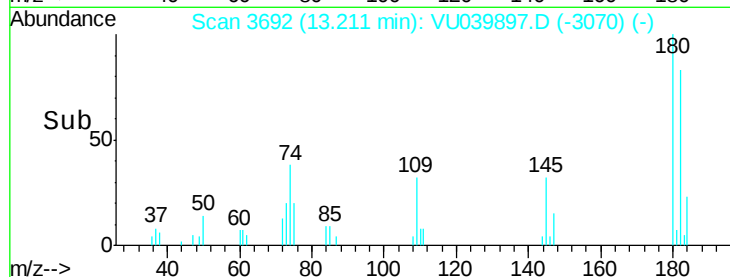
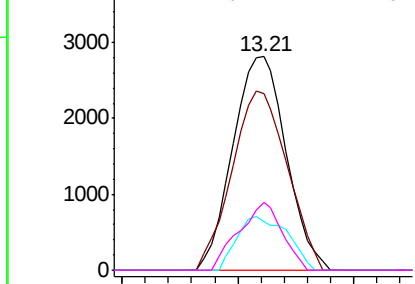
#67
 1,3,5-Trichlorobenzene
 Concen: 0.543 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VU039897.D
 Acq: 19 Aug 2020 09:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

Tot Ion:180 Resp: 4501
 Ion Ratio Lower Upper
 180 100
 182 86.6 79.2 118.8
 184 23.8 24.6 36.8#
 145 25.9 25.7 38.5

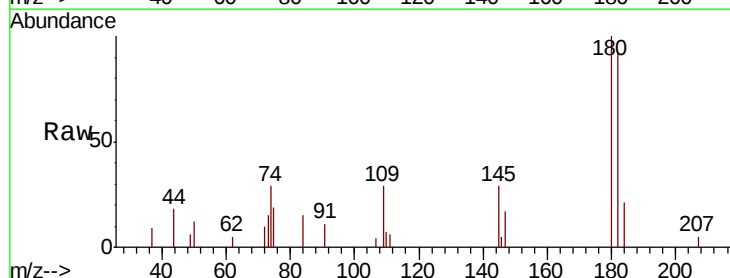


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

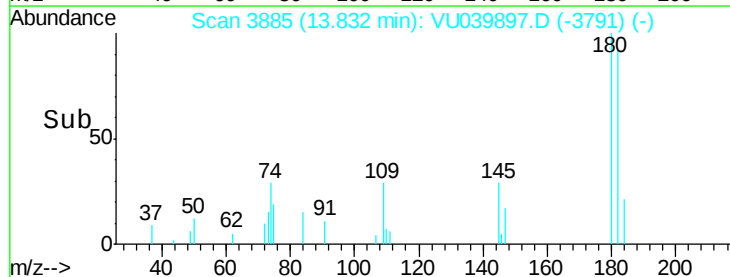
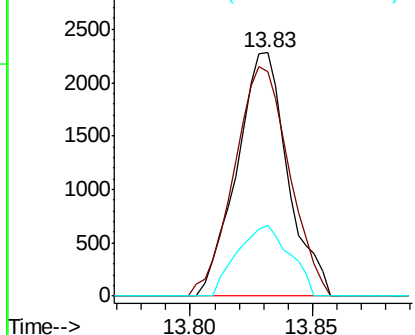


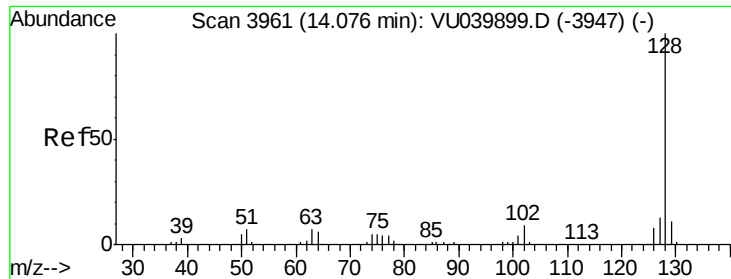
#68
 1,2,4-trichlorobenzene
 Concen: 0.474 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU039897.D
 Acq: 19 Aug 2020 09:31

Tgt Ion:180 Resp: 3302
 Ion Ratio Lower Upper
 180 100
 182 101.6 75.2 112.8
 145 29.9 24.6 36.8



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: 0.459 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU039897.D

Acq: 19 Aug 2020 09:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.502

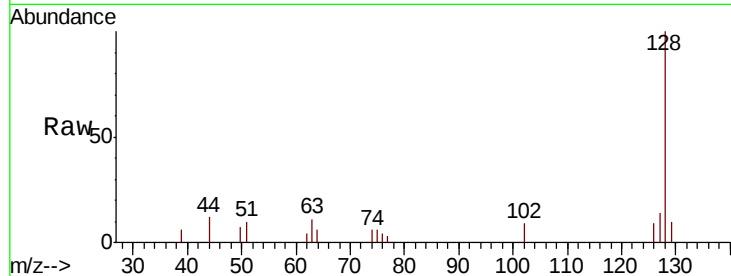
Tot Ion:128 Resp: 5767

Ion Ratio Lower Upper

128 100

129 8.3 8.5 12.7#

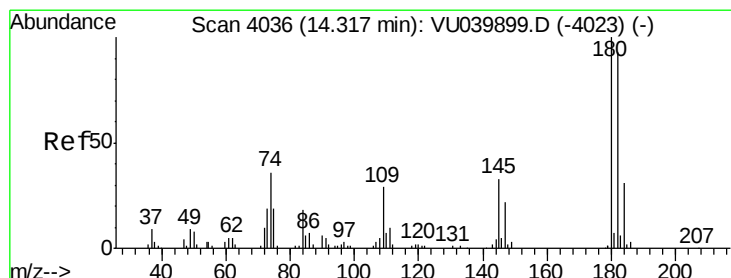
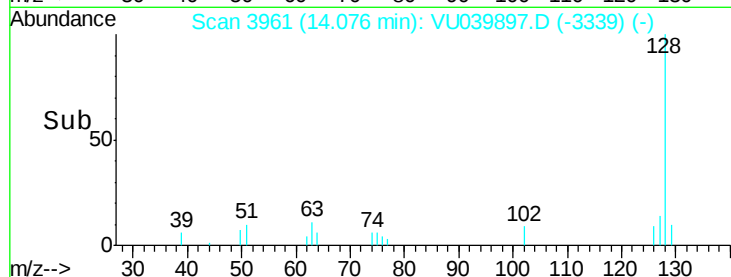
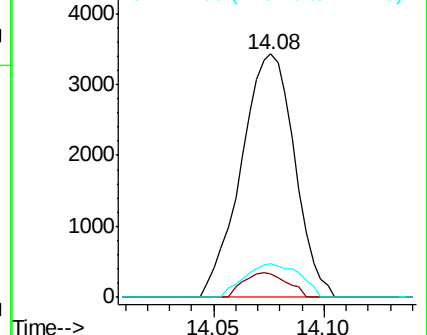
127 14.1 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.529 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. 0.00 min

Lab File: VU039897.D

Acq: 19 Aug 2020 09:31

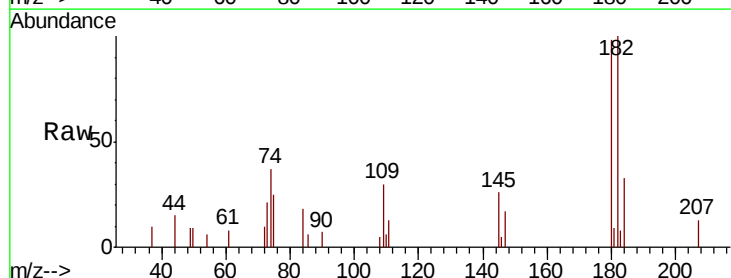
Tgt Ion:180 Resp: 3300

Ion Ratio Lower Upper

180 100

182 94.9 75.0 112.6

145 35.2 26.4 39.6



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

