

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU083120\
 Data File : VU039997.D
 Acq On : 31 Aug 2020 09:46
 Operator : SY/MD
 Sample : VSTD0.503
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.503

Quant Time: Aug 31 17:58:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Aug 31 17:55:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	114957	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	110879	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	51006	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	3289	0.35	ug/L	0.00
7) Chloroethane-d5	1.92	69	2645	0.34	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	7603	0.40	ug/L	0.00
20) 2-Butanone-d5	4.66	46	12230	3.90	ug/L	0.00
24) Chloroform-d	5.08	84	7035	0.40	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	4618	0.43	ug/L	0.00
32) Benzene-d6	5.74	84	12405	0.38	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	4146	0.39	ug/L	0.00
41) Toluene-d8	7.91	98	11597	0.41	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.18	79	1912	0.42	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	8527	3.76	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.75	84	3634	0.38	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.19	152	4414	0.46	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	5380	0.451 ug/L	94
3) Chloromethane	1.53	50	5518	0.420 ug/L	95
5) Vinyl chloride	1.61	62	5501	0.444 ug/L	97
6) Bromomethane	1.87	94	2510	0.357 ug/L	97
8) Chloroethane	1.94	64	3655	0.456 ug/L	96
9) Trichlorofluoromethane	2.15	101	6951	0.373 ug/L	87
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	5008	0.482 ug/L	96
12) 1,1-Dichloroethene	2.59	96	3806	0.384 ug/L	75
13) Acetone	2.67	43	6336	2.773 ug/L	84
14) Carbon disulfide	2.81	76	13580	0.426 ug/L	99
15) Methyl Acetate	2.98	43	2822	0.497 ug/L #	64
16) Methylene chloride	3.06	84	7096	0.520 ug/L	94
17) Methyl tert-butyl Ether	3.38	73	12759	0.496 ug/L	94
18) trans-1,2-Dichloroethene	3.37	96	4748	0.461 ug/L	91
19) 1,1-Dichloroethane	3.89	63	9358	0.481 ug/L	95
21) 2-Butanone	4.75	43	18073	4.654 ug/L #	73
22) cis-1,2-Dichloroethene	4.69	96	4746	0.438 ug/L	84
23) Bromochloromethane	5.00	128	1938	0.384 ug/L	90
25) Chloroform	5.11	83	9723	0.488 ug/L	95
27) 1,2-Dichloroethane	5.81	62	7131	0.505 ug/L #	95
29) 1,1,1-Trichloroethane	5.33	97	8312	0.498 ug/L	94
30) Cyclohexane	5.40	56	7657	0.468 ug/L	99
31) Carbon tetrachloride	5.54	117	7232	0.494 ug/L	100
33) Benzene	5.79	78	18707	0.462 ug/L	100
34) Trichloroethene	6.55	95	4833	0.457 ug/L	91
35) Methylcyclohexane	6.77	83	7598	0.471 ug/L	94
37) 1,2-Dichloropropane	6.80	63	4956	0.456 ug/L #	88
38) Bromodichloromethane	7.11	83	7161	0.515 ug/L #	89
39) cis-1,3-Dichloropropene	7.62	75	6896	0.450 ug/L	98
40) 4-Methyl-2-pentanone	7.80	43	39238	4.499 ug/L	98

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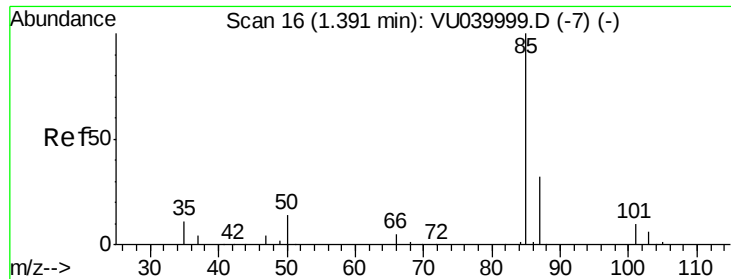
Instrument :
 MSVOA_U
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.97	91	18802	0.453	ug/L	96
44) trans-1,3-Dichloropropene	8.21	75	6816	0.471	ug/L #	72
45) 1,1,2-Trichloroethane	8.40	97	3513	0.428	ug/L	94
47) Tetrachloroethene	8.56	164	3480	0.457	ug/L	95
48) 2-Hexanone	8.69	43	28130	4.475	ug/L	99
49) Dibromochloromethane	8.82	129	4419	0.454	ug/L	94
50) 1,2-Dibromoethane	8.93	107	3319	0.425	ug/L #	96
51) Chlorobenzene	9.45	112	11702	0.437	ug/L	96
52) Ethylbenzene	9.57	91	20936	0.460	ug/L	95
53) m,p-Xylene	9.69	106	6912	0.402	ug/L	100
54) o-Xylene	10.10	106	6631	0.407	ug/L	96
55) Styrene	10.11	104	11645	0.413	ug/L	86
56) Isopropylbenzene	10.48	105	17755	0.405	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.78	83	4958	0.473	ug/L #	88
59) 1,2,3-Trichloropropane	10.82	75	4131	0.525	ug/L	98
61) Bromoform	10.29	173	2286	0.505	ug/L	98
62) 1,3-Dichlorobenzene	11.74	146	9134	0.486	ug/L	99
63) 1,4-Dichlorobenzene	11.83	146	9108	0.475	ug/L	93
65) 1,2-Dichlorobenzene	12.20	146	8684	0.476	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.99	75	855	0.539	ug/L	94
67) 1,3,5-Trichlorobenzene	13.21	180	6276	0.451	ug/L	98
68) 1,2,4-trichlorobenzene	13.83	180	4536	0.380	ug/L #	93
69) Naphthalene	14.07	128	9637	0.424	ug/L	96
70) 1,2,3-Trichlorobenzene	14.32	180	4702	0.423	ug/L	95

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



#2

Dichlorodifluoromethane

Concen: 0.451 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU039997.D

Acq: 31 Aug 2020 09:46

Instrument :

MSVOA_U

ClientSampleId :

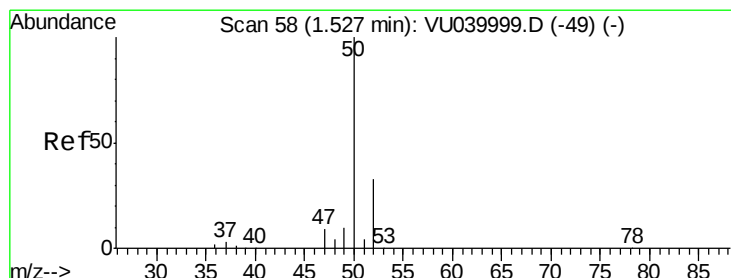
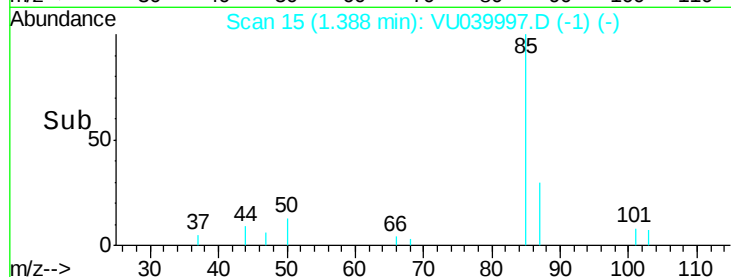
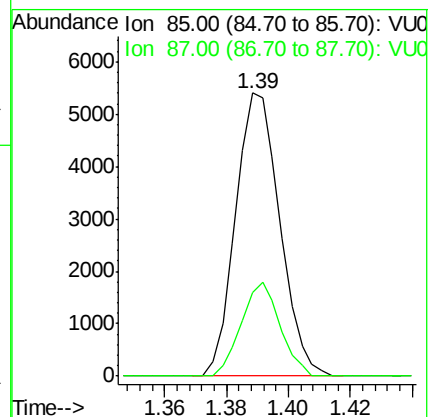
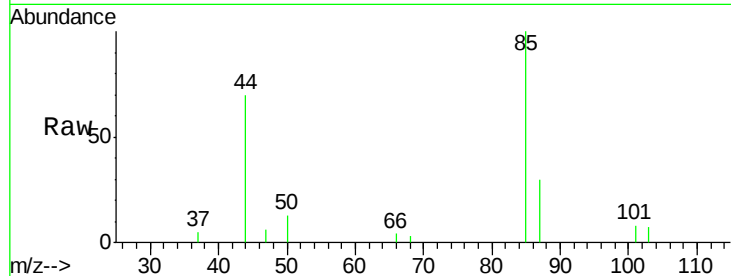
VSTD0.503

Tgt Ion: 85 Resp: 5380

Ion Ratio Lower Upper

85 100

87 29.1 25.9 38.9



#3

Chloromethane

Concen: 0.420 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU039997.D

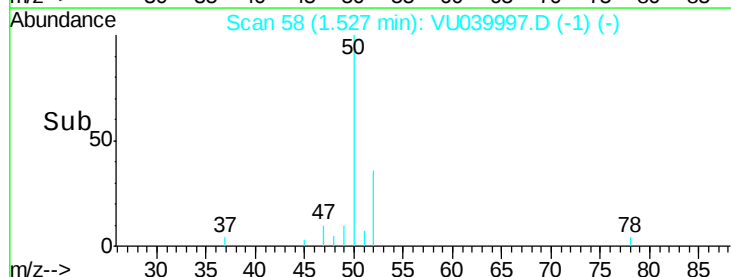
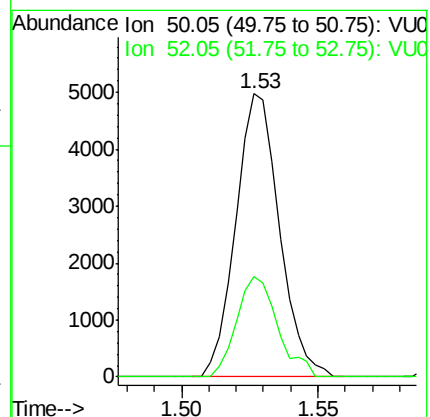
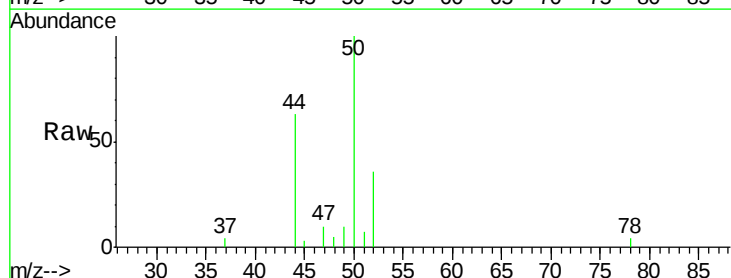
Acq: 31 Aug 2020 09:46

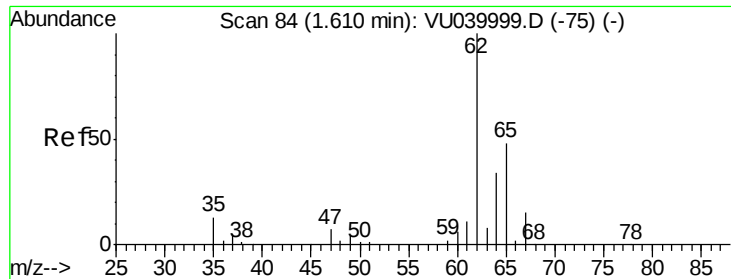
Tgt Ion: 50 Resp: 5518

Ion Ratio Lower Upper

50 100

52 35.5 22.8 42.4





#5

Vinyl chloride

Concen: 0.444 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039997.D

Acq: 31 Aug 2020 09:46

Instrument :

MSVOA_U

ClientSampleId :

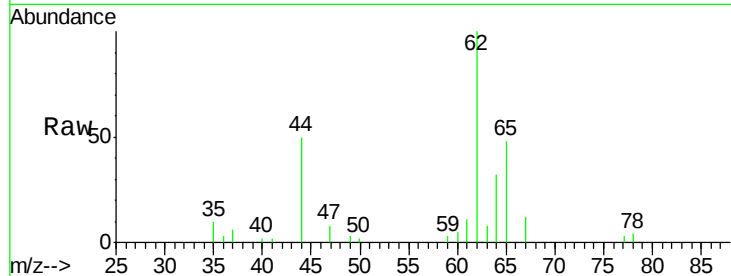
VSTD0.503

Tgt Ion: 62 Resp: 5501

Ion Ratio Lower Upper

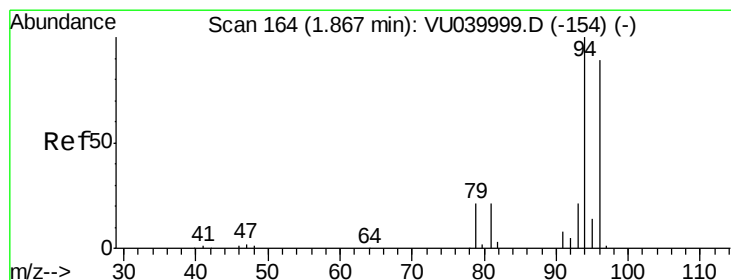
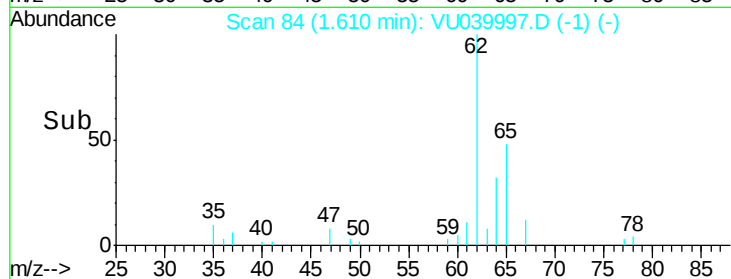
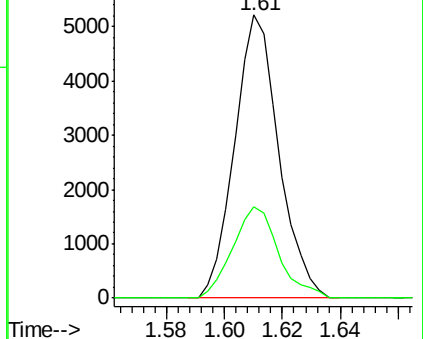
62 100

64 32.1 23.9 44.3



Abundance Ion 62.00 (61.70 to 62.70): VU039997.D (-75) (-)

Ion 64.10 (63.80 to 64.80): VU039997.D (-75) (-)



#6

Bromomethane

Concen: 0.357 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU039997.D

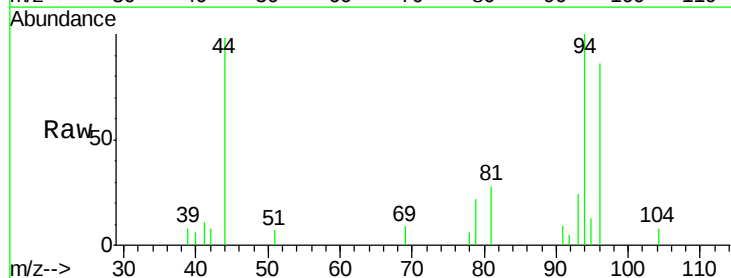
Acq: 31 Aug 2020 09:46

Tgt Ion: 94 Resp: 2510

Ion Ratio Lower Upper

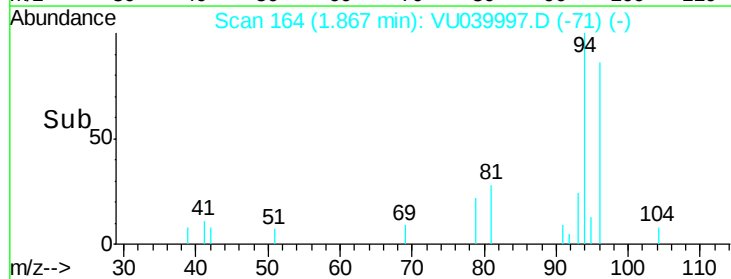
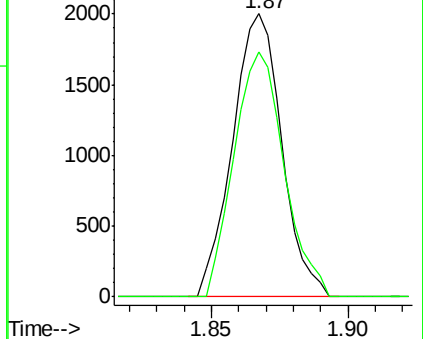
94 100

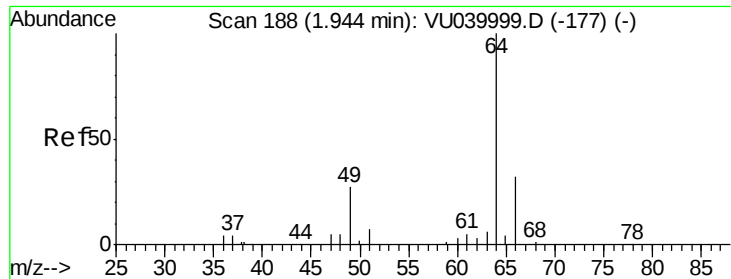
96 86.3 62.3 115.7



Abundance Ion 94.00 (93.70 to 94.70): VU039997.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU039997.D (-154) (-)

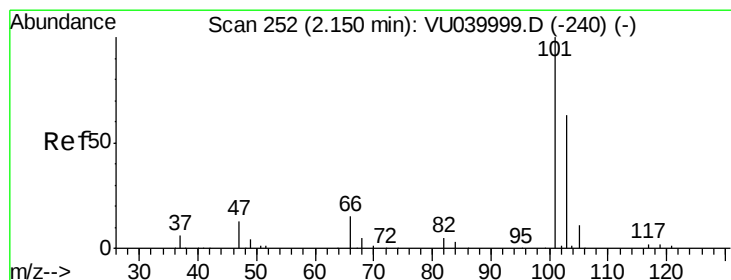
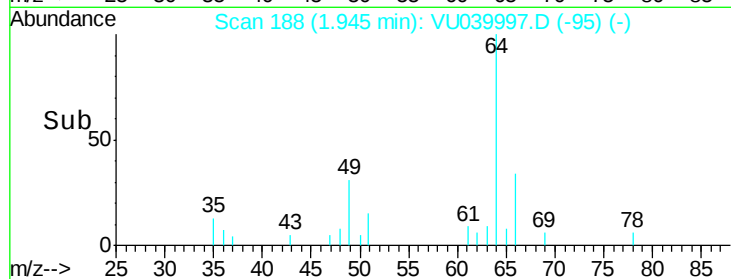
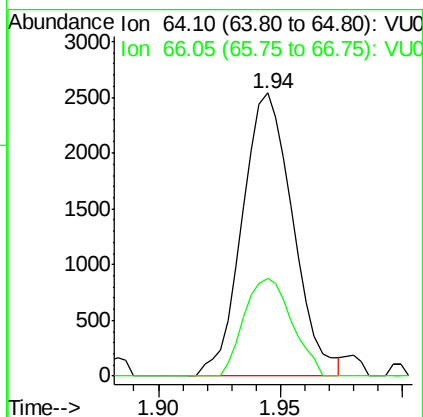
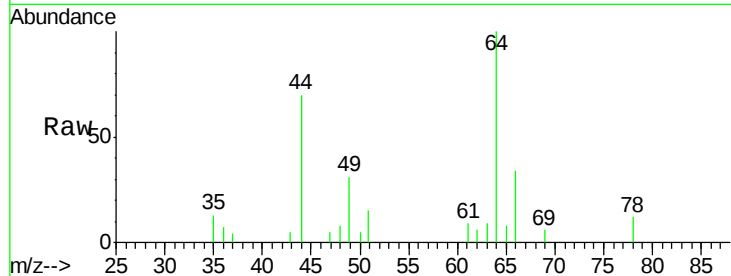




#8
Chloroethane
Concen: 0.456 ug/L
RT: 1.94 min Scan# 188
Delta R.T. 0.00 min
Lab File: VU039997.D
Acq: 31 Aug 2020 09:46

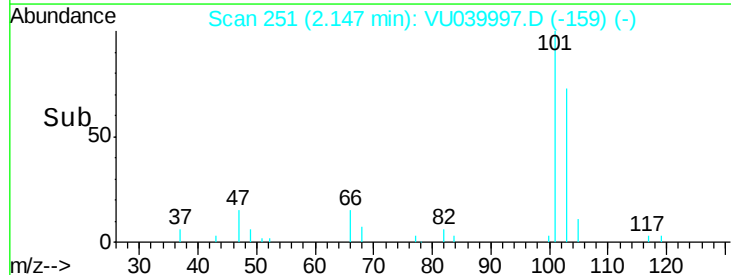
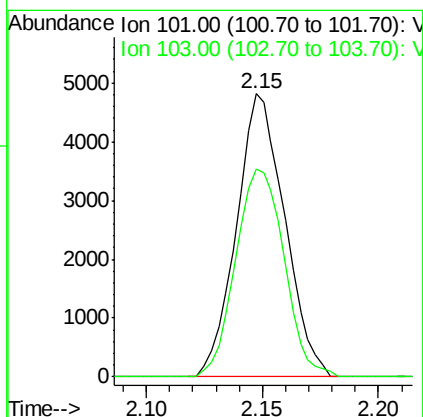
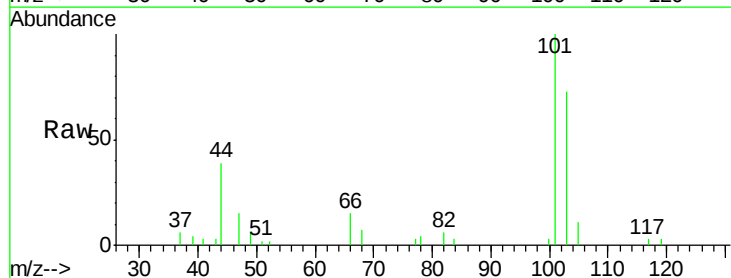
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.503

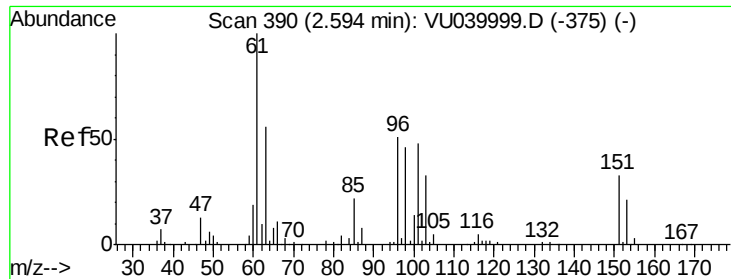
Tgt Ion: 64 Resp: 3655
Ion Ratio Lower Upper
64 100
66 34.5 22.7 42.1



#9
Trichlorofluoromethane
Concen: 0.373 ug/L
RT: 2.15 min Scan# 251
Delta R.T. -0.00 min
Lab File: VU039997.D
Acq: 31 Aug 2020 09:46

Tgt Ion: 101 Resp: 6951
Ion Ratio Lower Upper
101 100
103 74.0 51.3 76.9





#10

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

Concen: 0.482 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039997.D

Acq: 31 Aug 2020 09:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.503

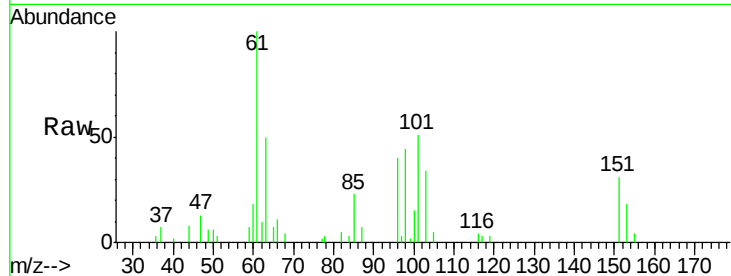
Tgt Ion: 101 Resp: 5008

Ion Ratio Lower Upper

101 100

85 47.0 37.7 56.5

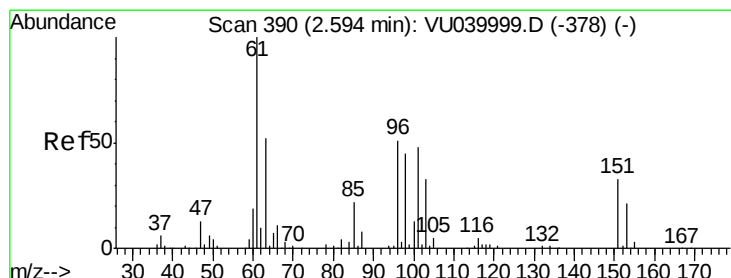
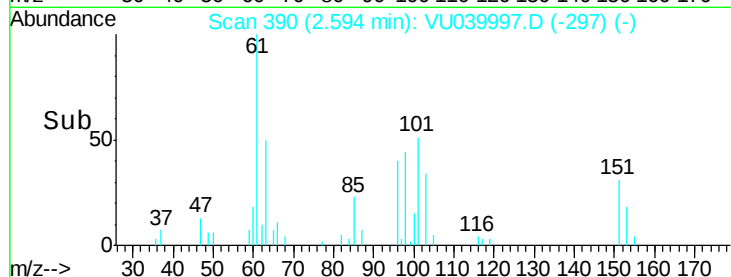
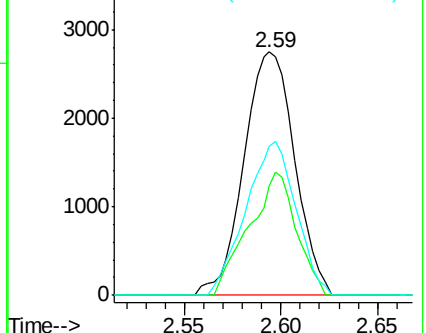
151 62.5 53.9 80.9



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: 0.384 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU039997.D

Acq: 31 Aug 2020 09:46

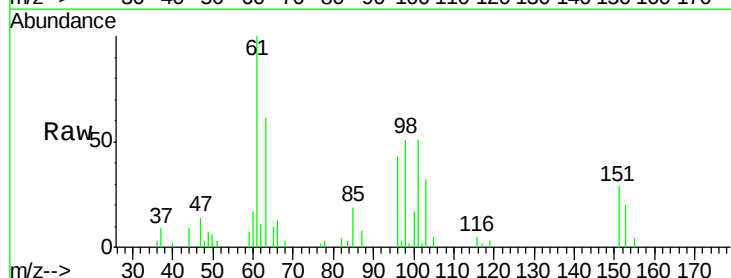
Tgt Ion: 96 Resp: 3806

Ion Ratio Lower Upper

96 100

61 232.5 138.3 256.8

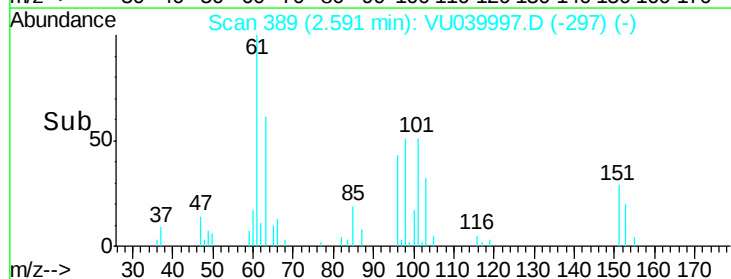
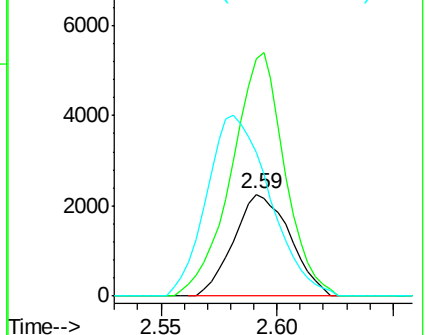
63 141.7 77.6 144.2

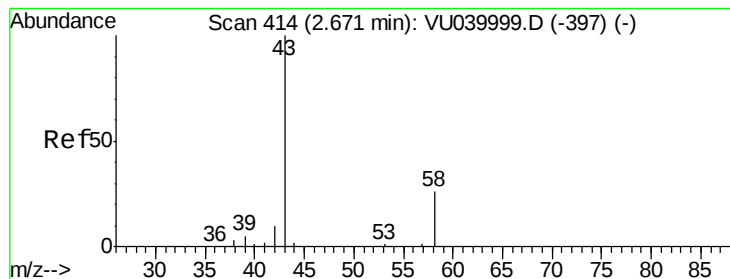


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 2.773 ug/L

RT: 2.67 min Scan# 415

Delta R.T. 0.00 min

Lab File: VU039997.D

Acq: 31 Aug 2020 09:46

Instrument :

MSVOA_U

ClientSampleId :

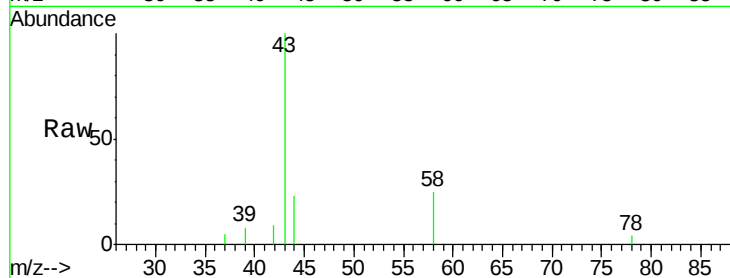
VSTD0.503

Tgt Ion: 43 Resp: 6336

Ion Ratio Lower Upper

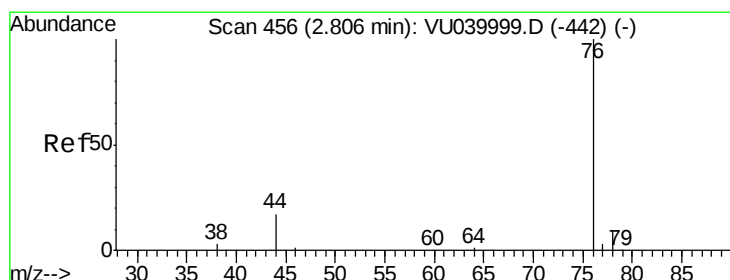
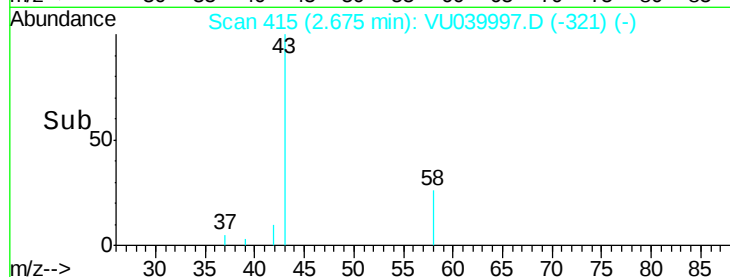
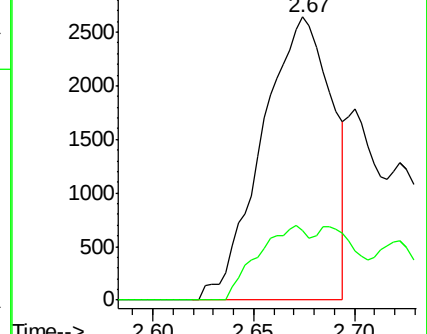
43 100

58 19.1 0.0 55.4



Abundance Ion 43.05 (42.75 to 43.75): VU039997.D (-321) (-)

Ion 58.05 (57.75 to 58.75): VU039997.D (-321) (-)



#14

Carbon disulfide

Concen: 0.426 ug/L

RT: 2.81 min Scan# 457

Delta R.T. 0.00 min

Lab File: VU039997.D

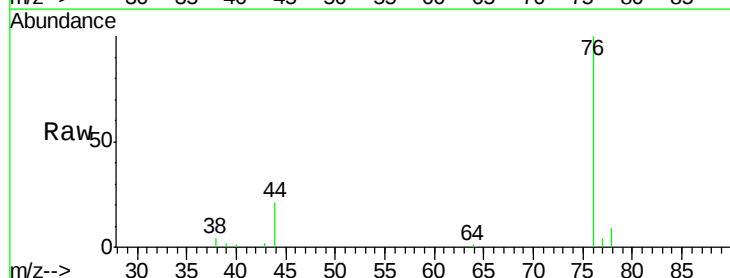
Acq: 31 Aug 2020 09:46

Tgt Ion: 76 Resp: 13580

Ion Ratio Lower Upper

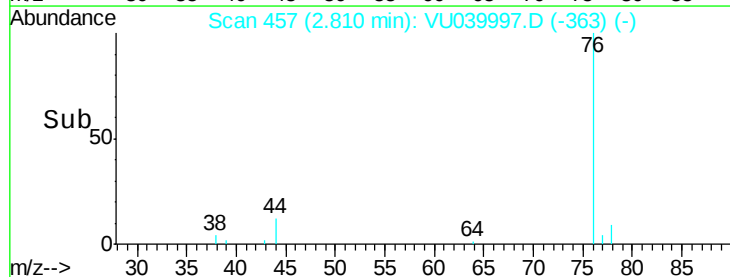
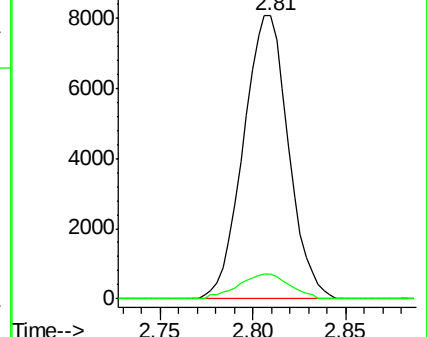
76 100

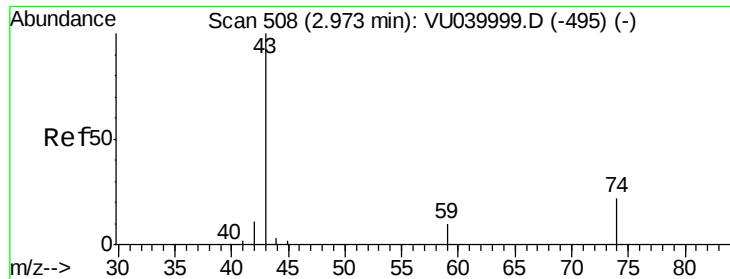
78 8.6 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU039997.D (-363) (-)

Ion 78.00 (77.70 to 78.70): VU039997.D (-363) (-)

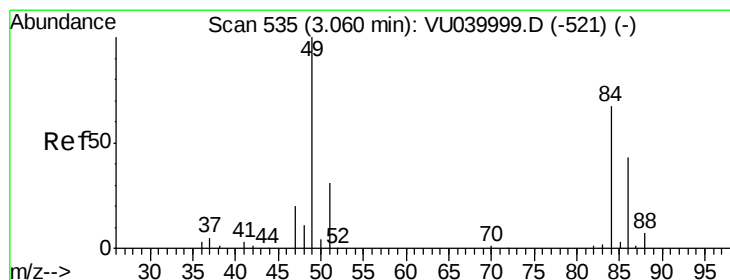
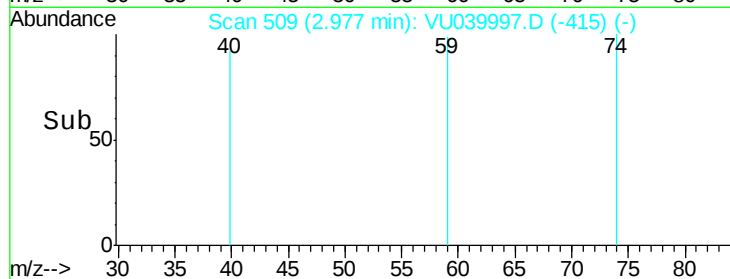
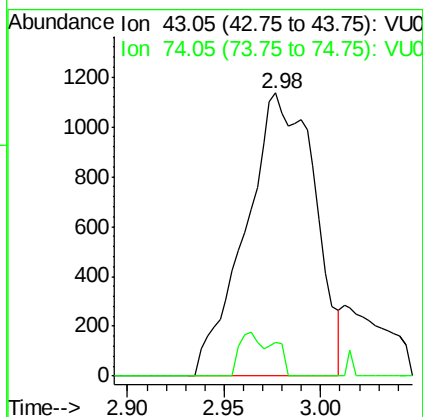
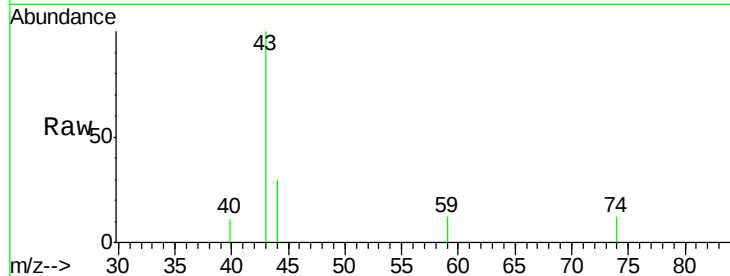




#15
Methyl Acetate
Concen: 0.497 ug/L
RT: 2.98 min Scan# 509
Delta R.T. 0.00 min
Lab File: VU039997.D
Acq: 31 Aug 2020 09:46

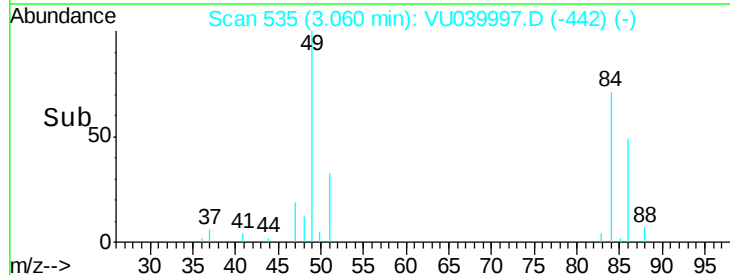
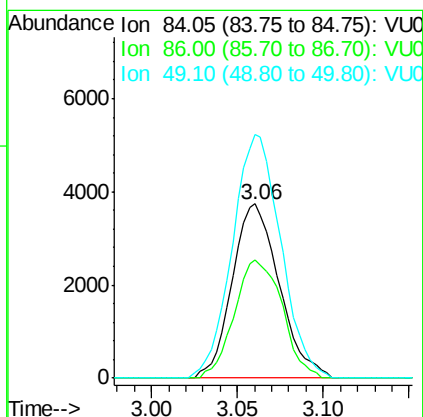
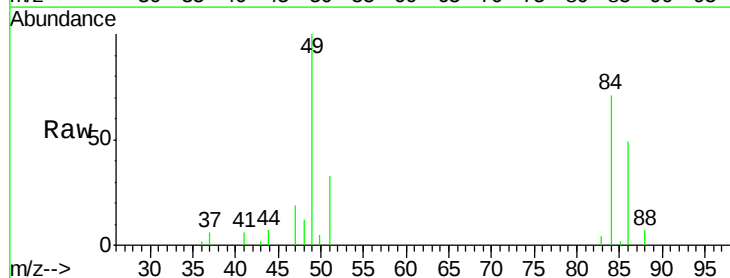
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.503

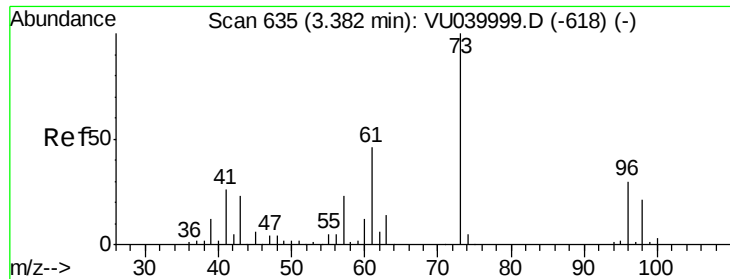
Tgt Ion: 43 Resp: 2822
Ion Ratio Lower Upper
43 100
74 4.9 17.4 26.0#



#16
Methylene chloride
Concen: 0.520 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU039997.D
Acq: 31 Aug 2020 09:46

Tgt Ion: 84 Resp: 7096
Ion Ratio Lower Upper
84 100
86 68.2 45.2 84.0
49 140.0 104.0 193.2

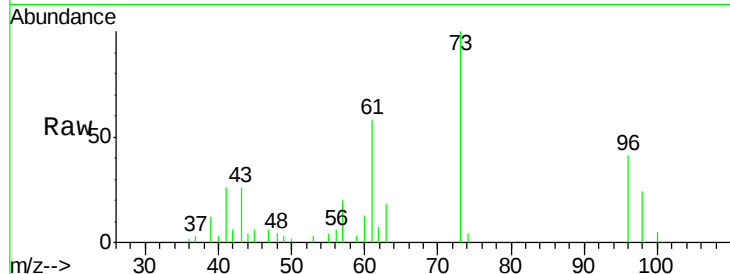




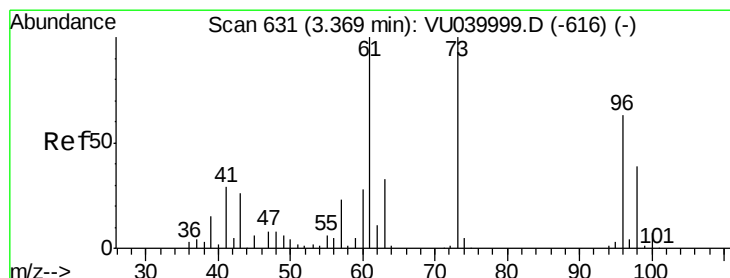
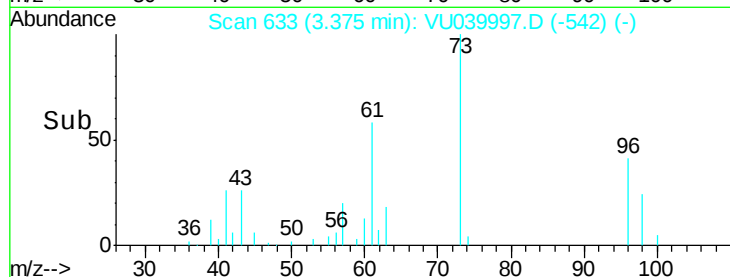
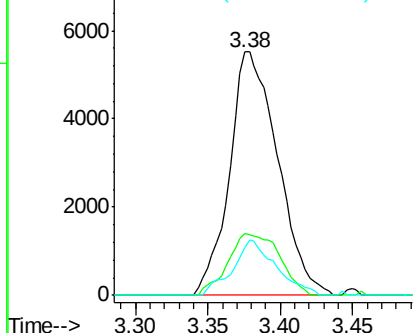
#17
Methyl tert-butyl Ether
Concen: 0.496 ug/L
RT: 3.38 min Scan# 633
Delta R.T. -0.01 min
Lab File: VU039997.D
Acq: 31 Aug 2020 09:46

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.503

Tgt Ion: 73 Resp: 12759
Ion Ratio Lower Upper
73 100
43 27.2 19.1 28.7
57 20.4 18.3 27.5

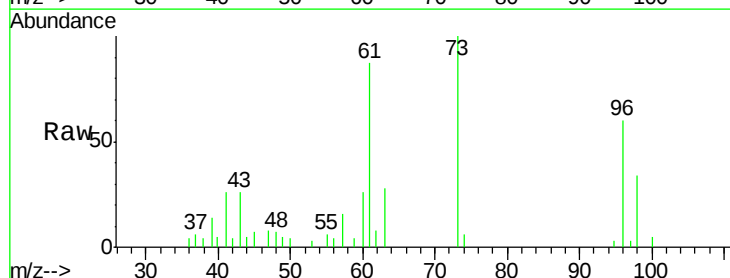


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

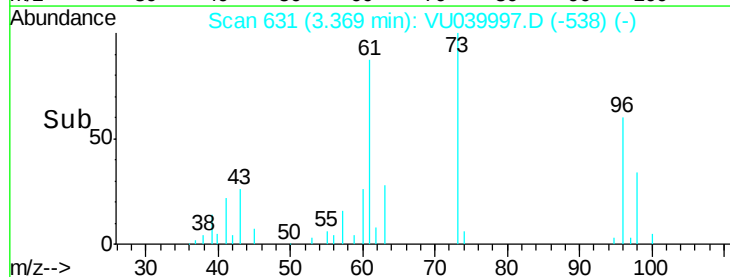
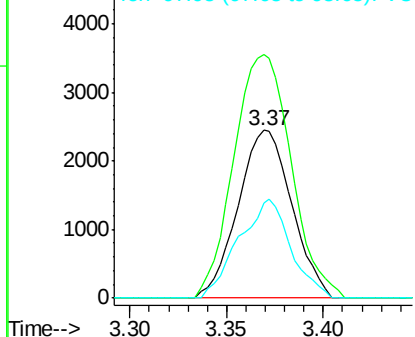


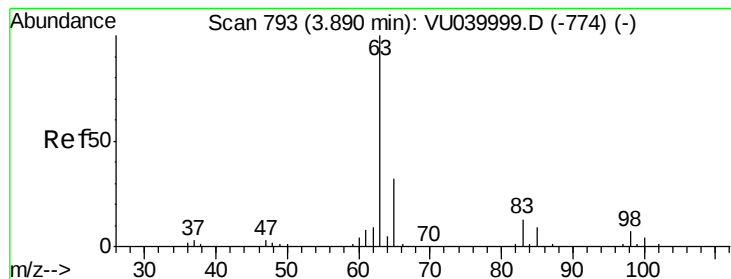
#18
trans-1,2-Dichloroethene
Concen: 0.461 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU039997.D
Acq: 31 Aug 2020 09:46

Tgt Ion: 96 Resp: 4748
Ion Ratio Lower Upper
96 100
61 145.2 110.5 205.3
98 57.1 43.2 80.2



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 0.481 ug/L

RT: 3.89 min Scan# 792

Delta R.T. -0.00 min

Lab File: VU039997.D

Acq: 31 Aug 2020 09:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.503

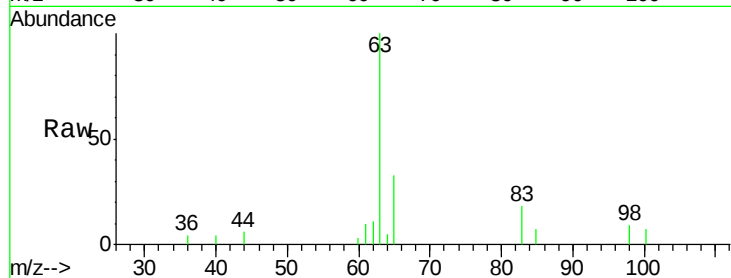
Tgt Ion: 63 Resp: 9358

Ion Ratio Lower Upper

63 100

65 33.0 22.2 41.2

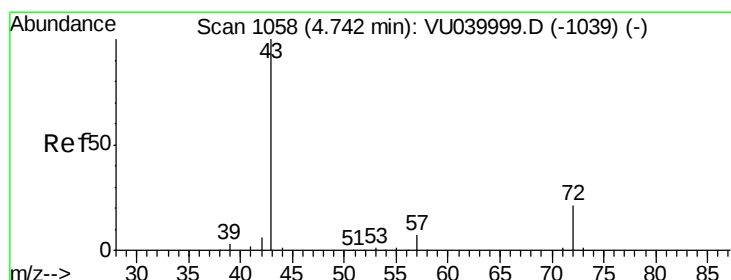
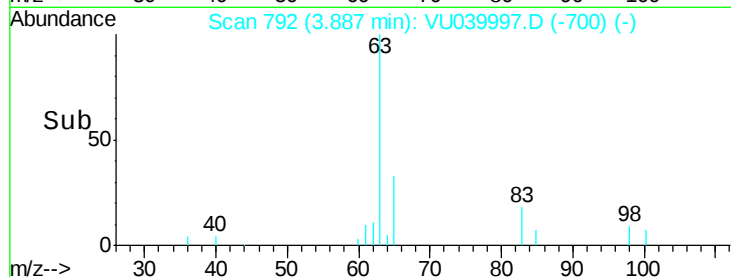
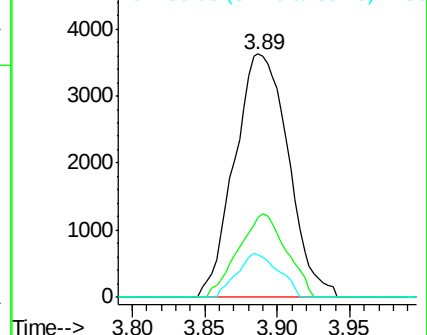
83 17.5 9.4 17.6



Abundance Ion 63.10 (62.80 to 63.80): VU039997.D (-774) (-)

Ion 65.10 (64.80 to 65.80): VU039997.D (-774) (-)

Ion 83.05 (82.75 to 83.75): VU039997.D (-774) (-)



#21

2-Butanone

Concen: 4.654 ug/L

RT: 4.75 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VU039997.D

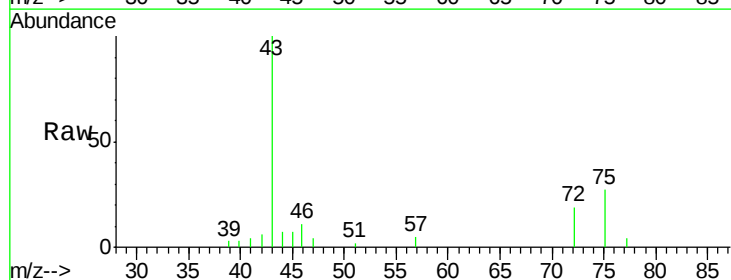
Acq: 31 Aug 2020 09:46

Tgt Ion: 43 Resp: 18073

Ion Ratio Lower Upper

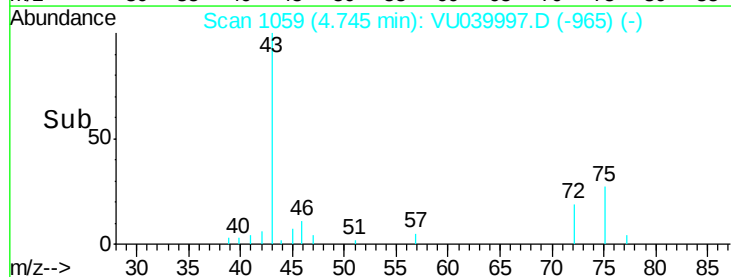
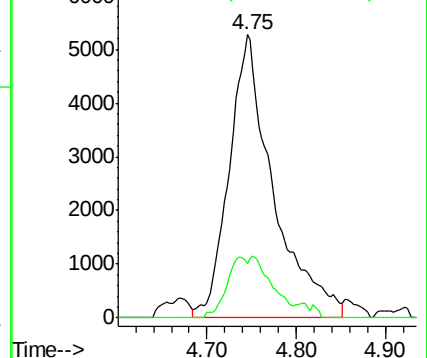
43 100

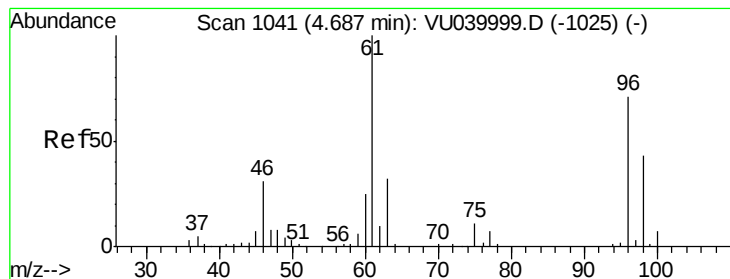
72 10.0 11.7 35.0#



Abundance Ion 43.05 (42.75 to 43.75): VU039997.D (-965) (-)

Ion 72.10 (71.80 to 72.80): VU039997.D (-965) (-)





#22

cis-1,2-Dichloroethene

Concen: 0.438 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VU039997.D

Acq: 31 Aug 2020 09:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.503

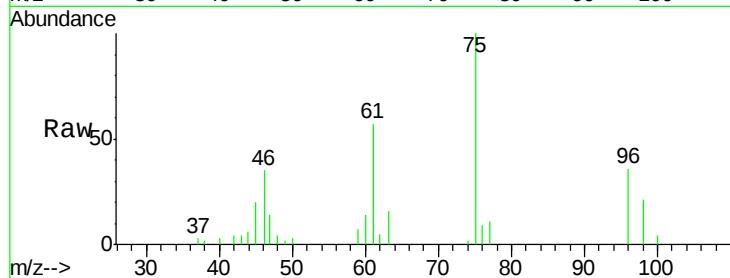
Tgt Ion: 96 Resp: 4746

Ion Ratio Lower Upper

96 100

61 160.4 98.8 183.4

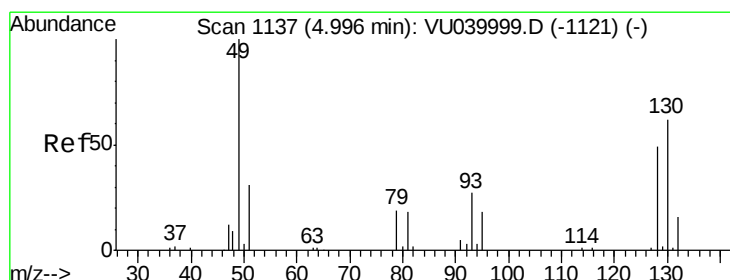
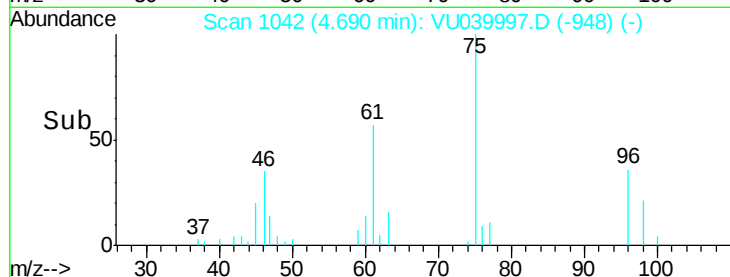
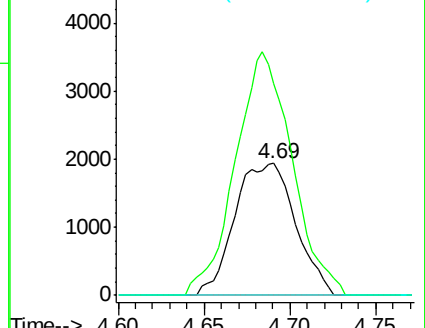
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039997.D (-1025) (-)

Ion 61.05 (60.75 to 61.75): VU039997.D (-1025) (-)

Ion 68.15 (67.85 to 68.85): VU039997.D (-1025) (-)



#23

Bromochloromethane

Concen: 0.384 ug/L

RT: 5.00 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VU039997.D

Acq: 31 Aug 2020 09:46

Tgt Ion: 128 Resp: 1938

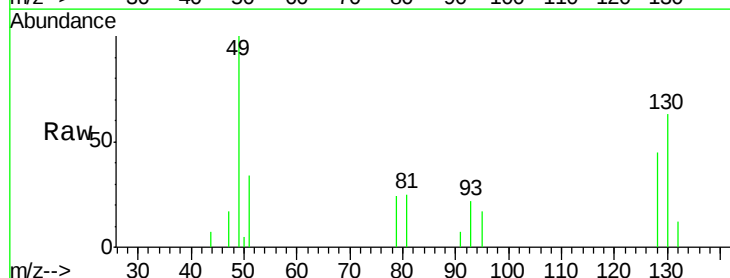
Ion Ratio Lower Upper

128 100

49 220.2 143.4 266.4

130 137.8 89.5 166.3

51 75.4 51.0 76.4

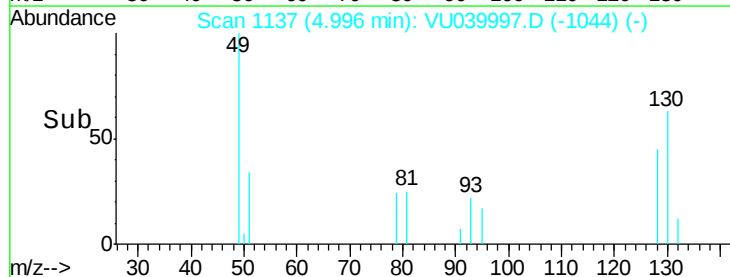
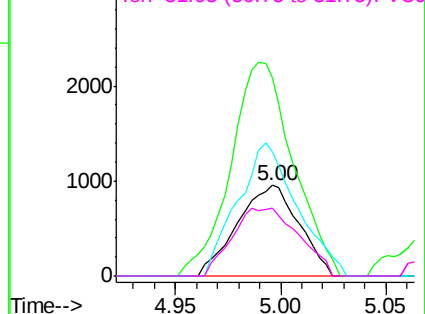


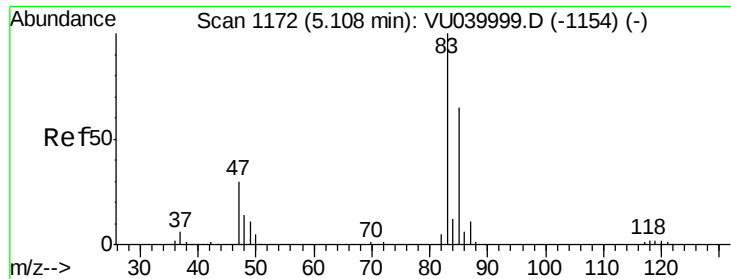
Abundance Ion 127.90 (127.60 to 128.60): VU039997.D (-1121) (-)

Ion 49.10 (48.80 to 49.80): VU039997.D (-1121) (-)

Ion 129.95 (129.65 to 130.65): VU039997.D (-1121) (-)

Ion 51.05 (50.75 to 51.75): VU039997.D (-1121) (-)

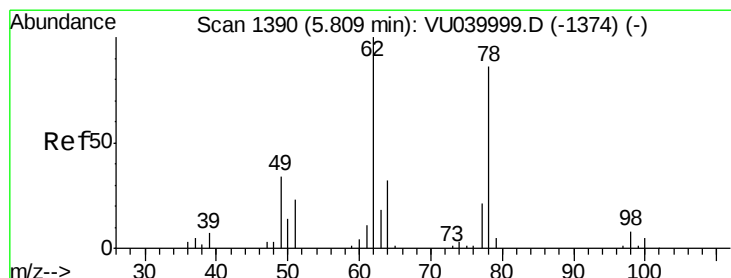
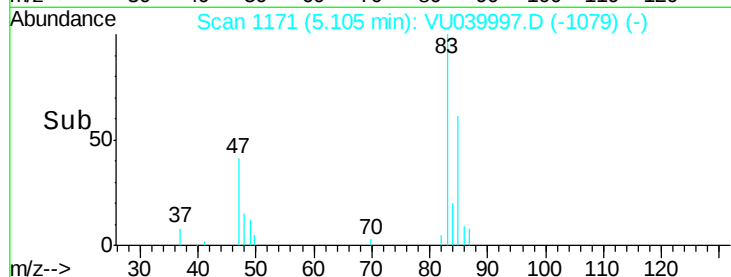
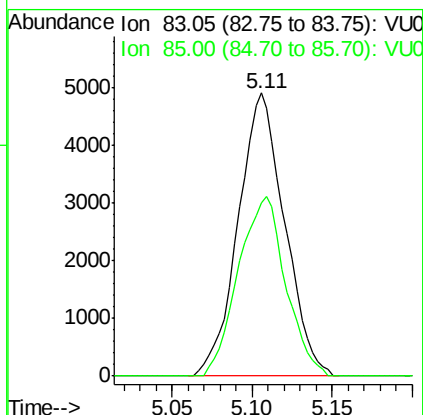
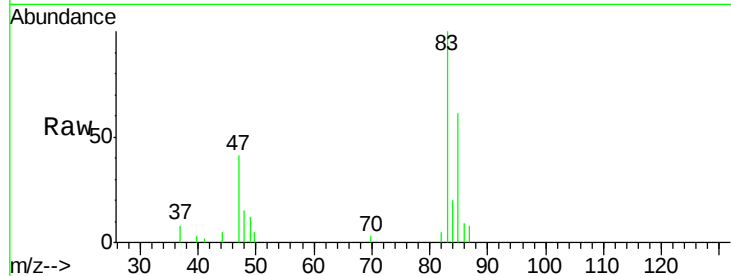




#25
Chloroform
Concen: 0.488 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU039997.D
Acq: 31 Aug 2020 09:46

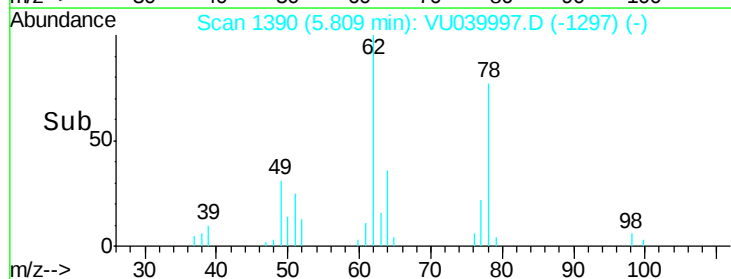
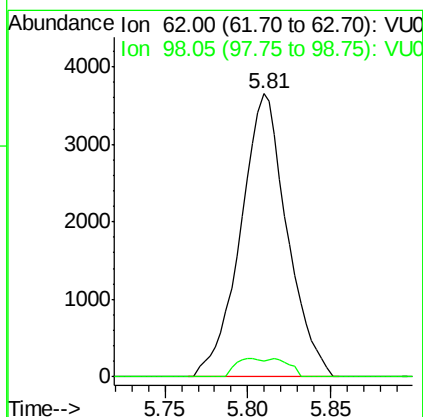
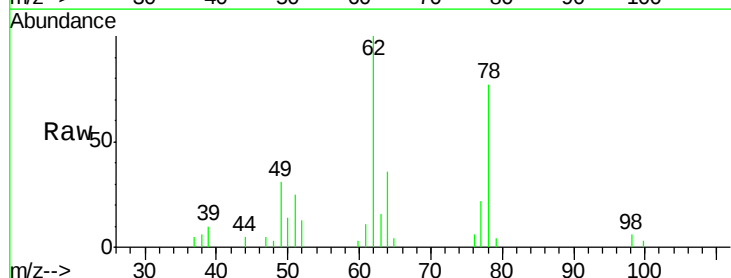
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.503

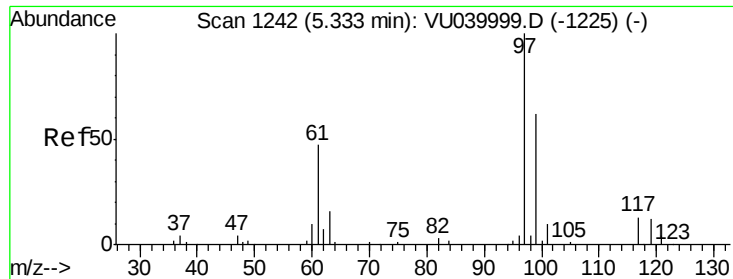
Tgt Ion: 83 Resp: 9723
Ion Ratio Lower Upper
83 100
85 61.1 45.3 84.1



#27
1,2-Dichloroethane
Concen: 0.505 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU039997.D
Acq: 31 Aug 2020 09:46

Tgt Ion: 62 Resp: 7131
Ion Ratio Lower Upper
62 100
98 5.8 6.1 9.1#

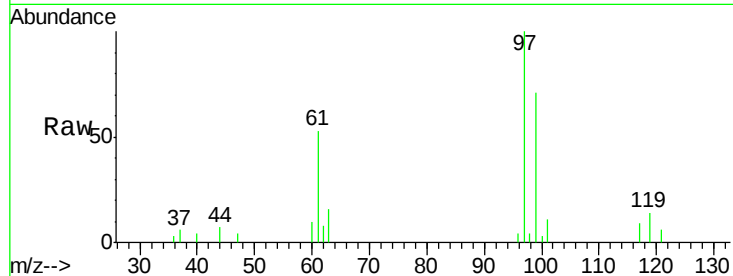




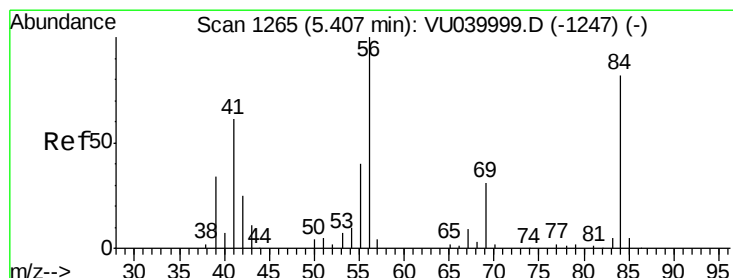
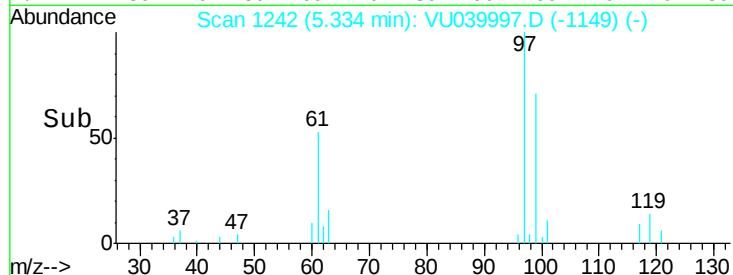
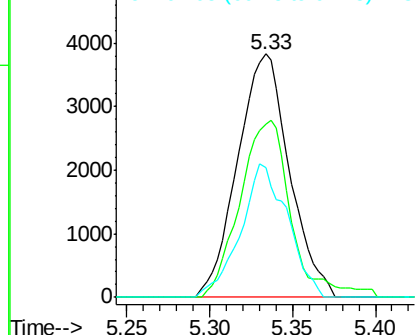
#29
 1,1,1-Trichloroethane
 Concen: 0.498 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU039997.D
 Acq: 31 Aug 2020 09:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.503

Tgt Ion: 97 Resp: 8312
 Ion Ratio Lower Upper
 97 100
 99 71.5 50.9 76.3
 61 49.6 39.5 59.3

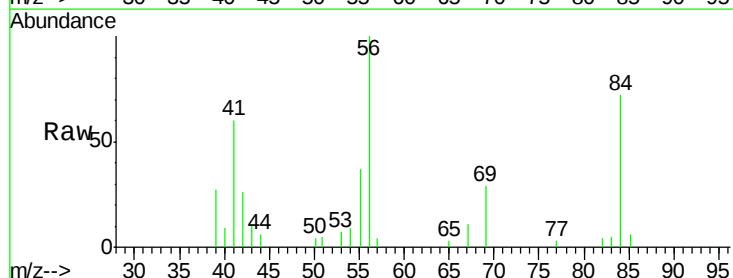


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

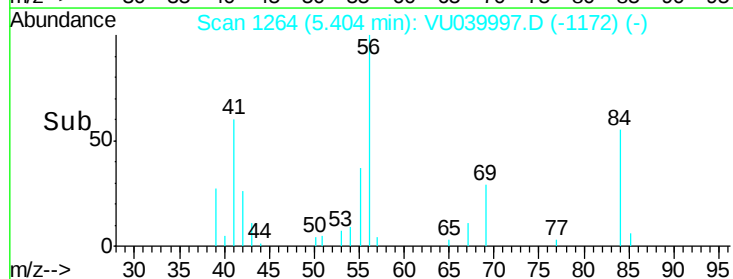
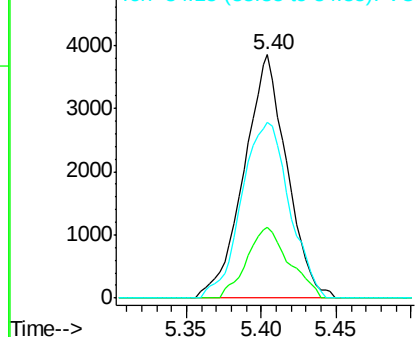


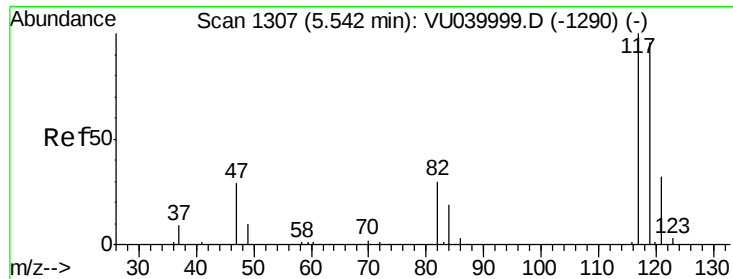
#30
 Cyclohexane
 Concen: 0.468 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VU039997.D
 Acq: 31 Aug 2020 09:46

Tgt Ion: 56 Resp: 7657
 Ion Ratio Lower Upper
 56 100
 69 28.7 24.1 36.1
 84 80.7 65.0 97.4



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 0.494 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. -0.00 min

Lab File: VU039997.D

Acq: 31 Aug 2020 09:46

Instrument :

MSVOA_U

ClientSampleId :

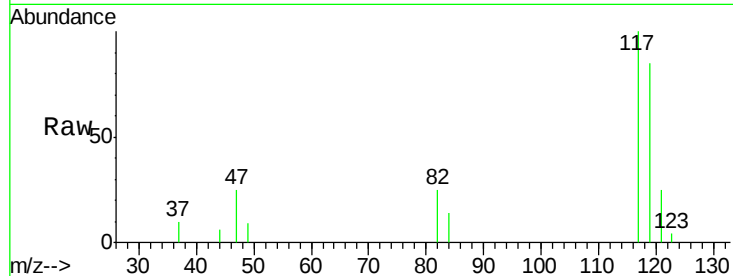
VSTD0.503

Tgt Ion:117 Resp: 7232

Ion Ratio Lower Upper

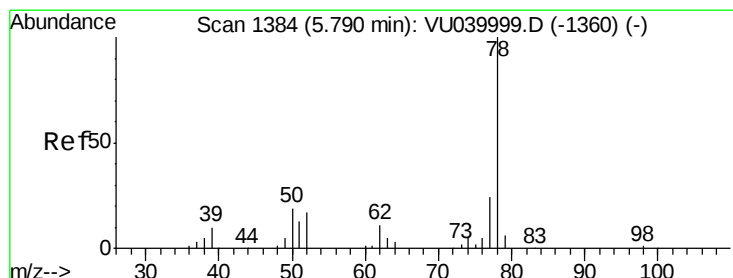
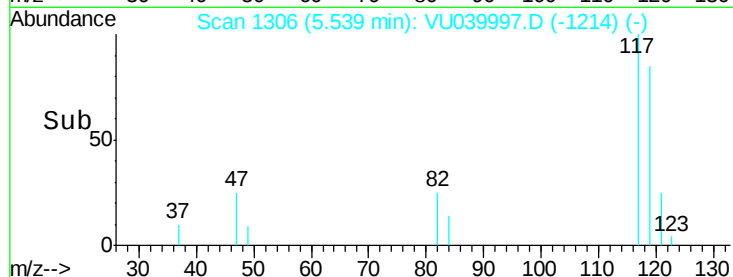
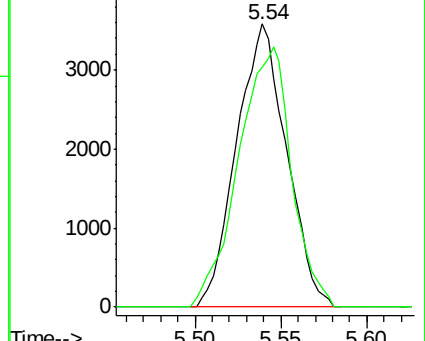
117 100

119 97.4 77.7 116.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.462 ug/L

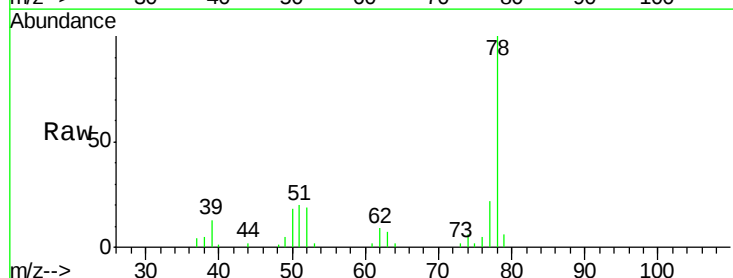
RT: 5.79 min Scan# 1383

Delta R.T. -0.00 min

Lab File: VU039997.D

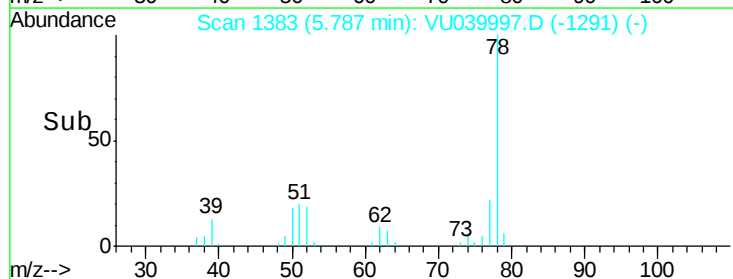
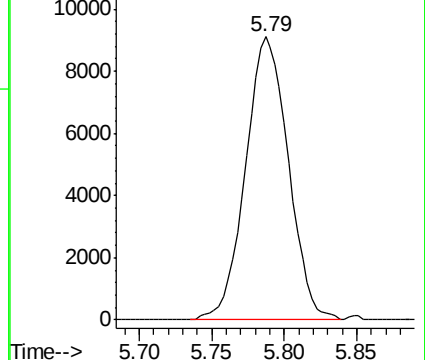
Acq: 31 Aug 2020 09:46

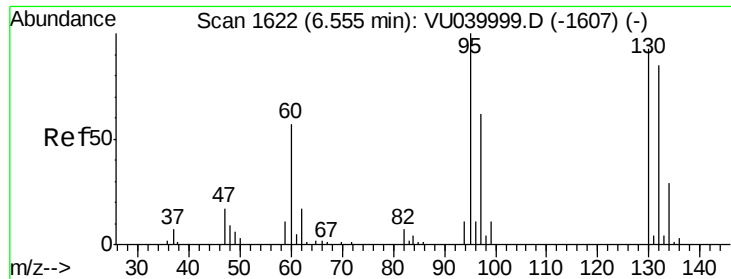
Tgt Ion: 78 Resp: 18707



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.79

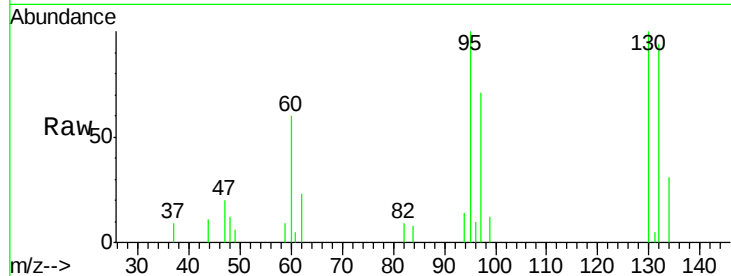




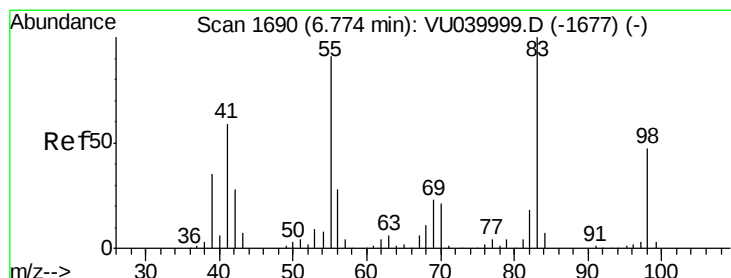
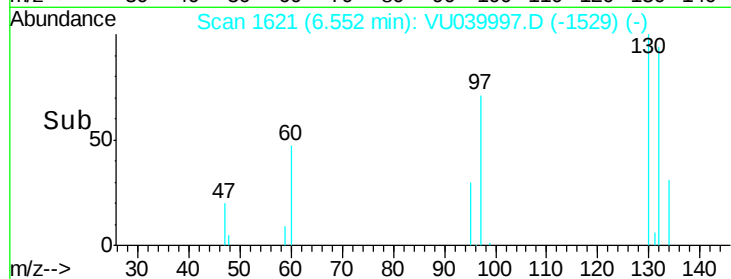
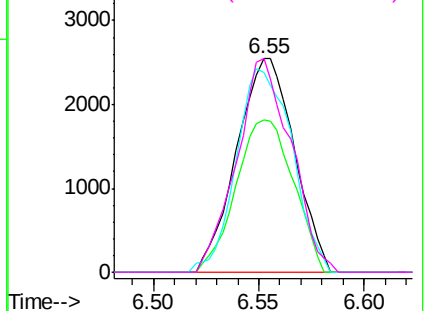
#34
 Trichloroethene
 Concen: 0.457 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU039997.D
 Acq: 31 Aug 2020 09:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.503

Tgt Ion: 95 Resp: 4833
 Ion Ratio Lower Upper
 95 100
 97 71.2 43.3 80.5
 132 93.5 59.4 110.4
 130 99.8 64.8 120.4

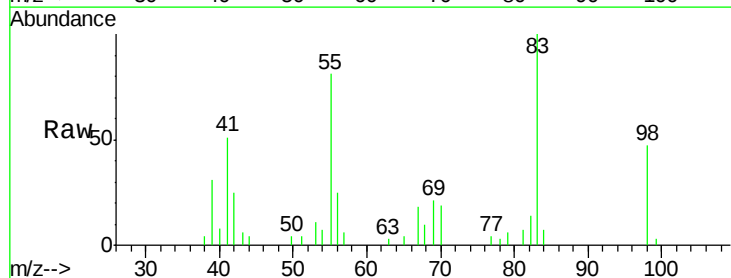


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

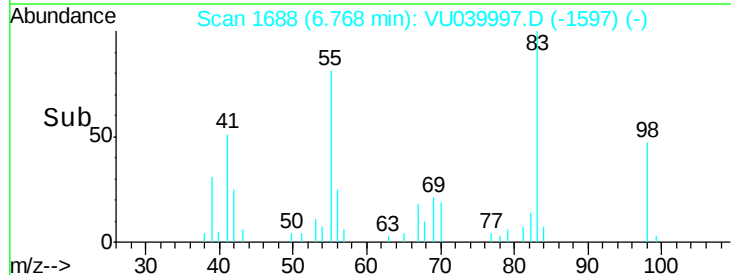
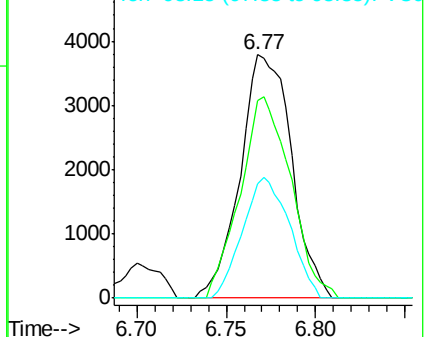


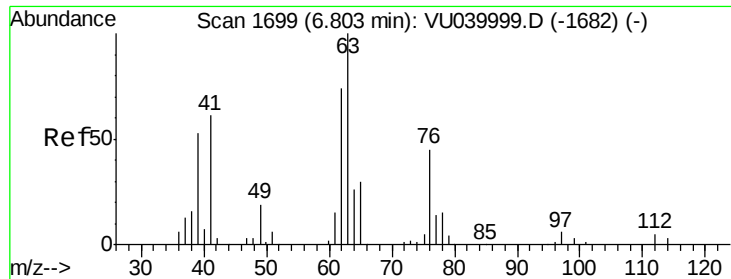
#35
 Methylcyclohexane
 Concen: 0.471 ug/L
 RT: 6.77 min Scan# 1688
 Delta R.T. -0.01 min
 Lab File: VU039997.D
 Acq: 31 Aug 2020 09:46

Tgt Ion: 83 Resp: 7598
 Ion Ratio Lower Upper
 83 100
 55 81.5 70.5 105.7
 98 45.5 37.8 56.6



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

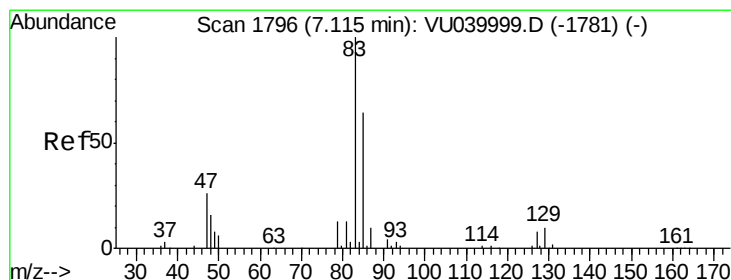
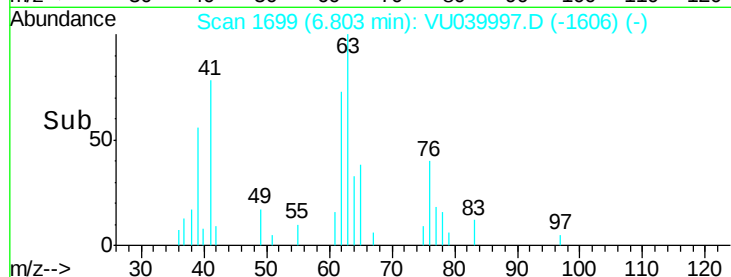
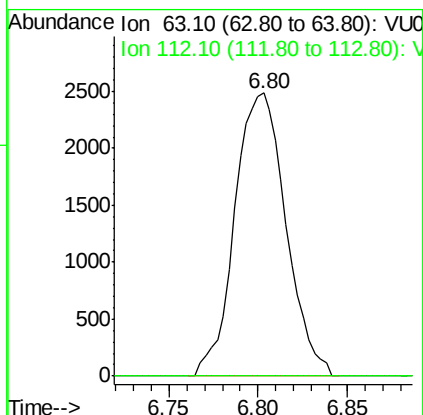
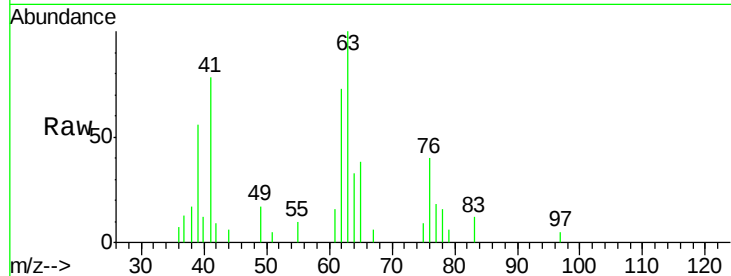




#37
 1,2-Dichloropropane
 Concen: 0.456 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU039997.D
 Acq: 31 Aug 2020 09:46

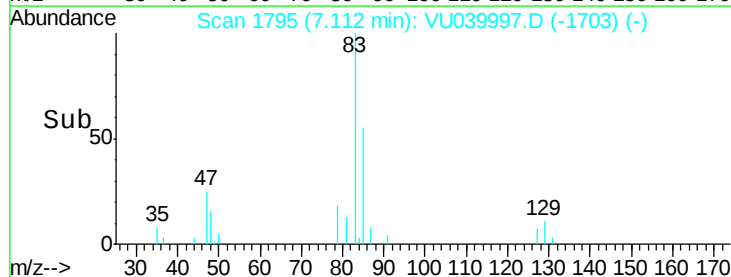
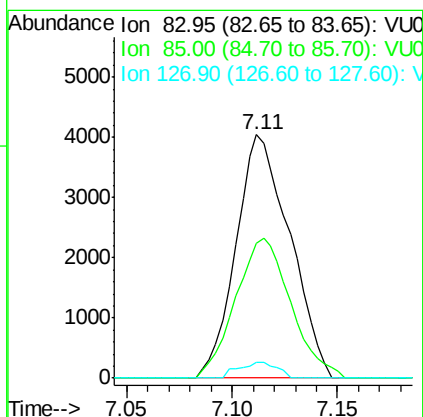
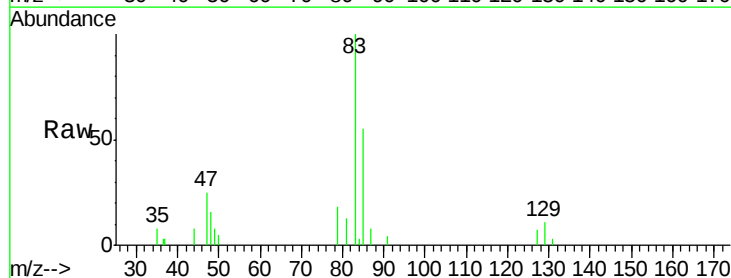
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.503

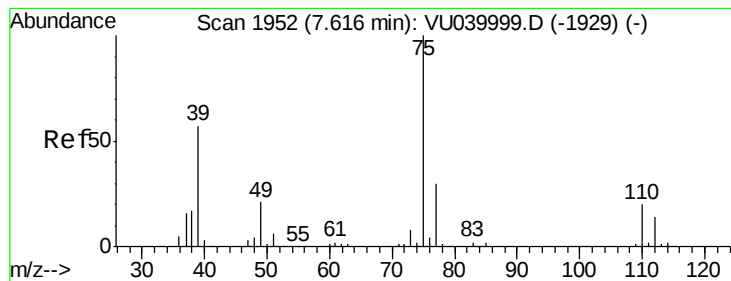
Tgt Ion: 63 Resp: 4956
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.2 4.8#



#38
 Bromodichloromethane
 Concen: 0.515 ug/L
 RT: 7.11 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VU039997.D
 Acq: 31 Aug 2020 09:46

Tgt Ion: 83 Resp: 7161
 Ion Ratio Lower Upper
 83 100
 85 55.5 45.1 83.9
 127 6.6 6.7 10.1#



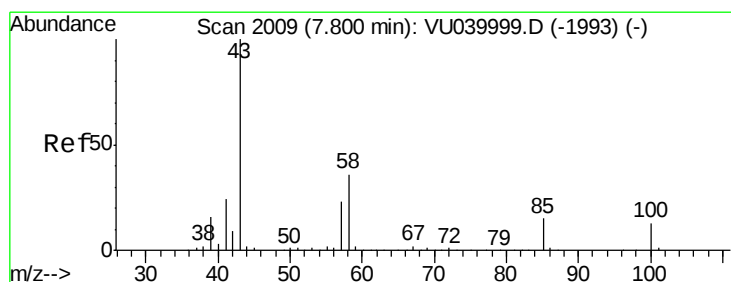
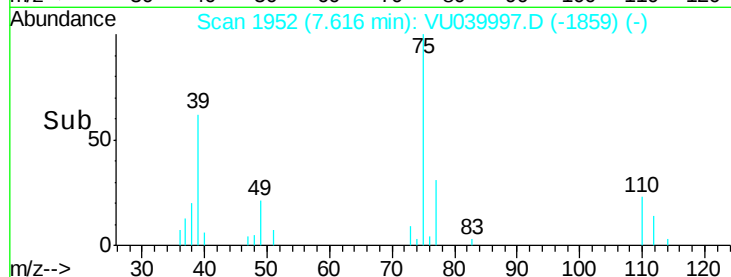
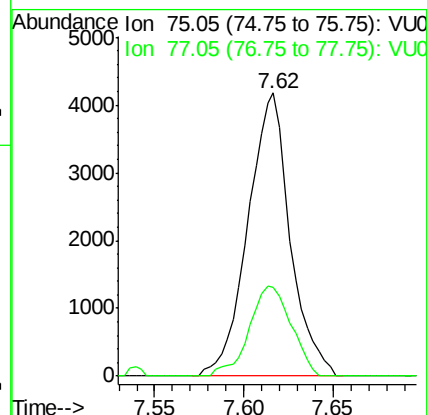
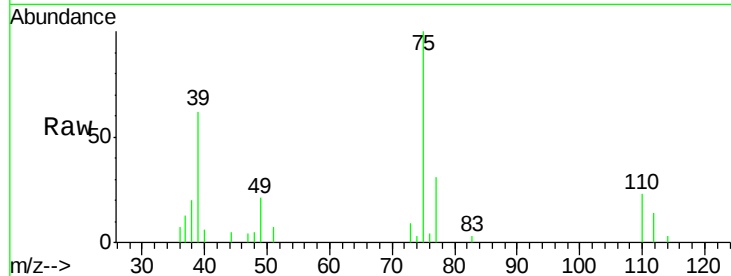


#39

cis-1,3-Dichloropropene
 Concen: 0.450 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU039997.D
 Acq: 31 Aug 2020 09:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.503

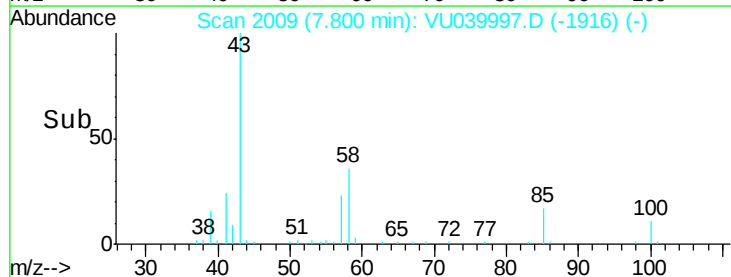
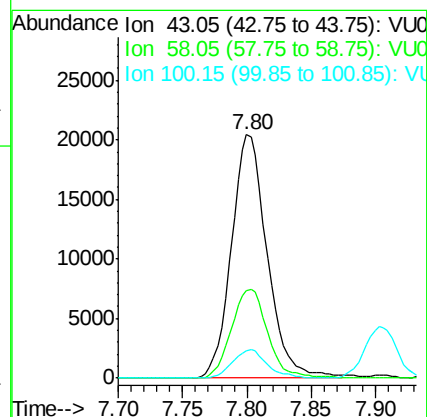
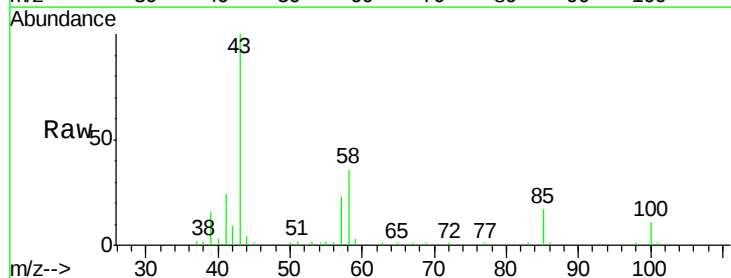
Tgt Ion: 75 Resp: 6896
 Ion Ratio Lower Upper
 75 100
 77 31.2 21.1 39.3

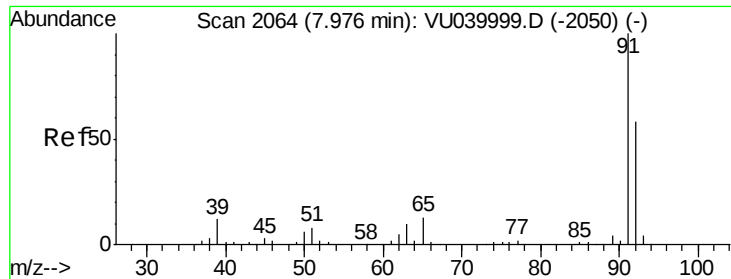


#40

4-Methyl-2-pentanone
 Concen: 4.499 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU039997.D
 Acq: 31 Aug 2020 09:46

Tgt Ion: 43 Resp: 39238
 Ion Ratio Lower Upper
 43 100
 58 36.8 28.7 43.1
 100 11.2 10.2 15.2





#42

Toluene

Concen: 0.453 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU039997.D

Acq: 31 Aug 2020 09:46

Instrument :

MSVOA_U

ClientSampleId :

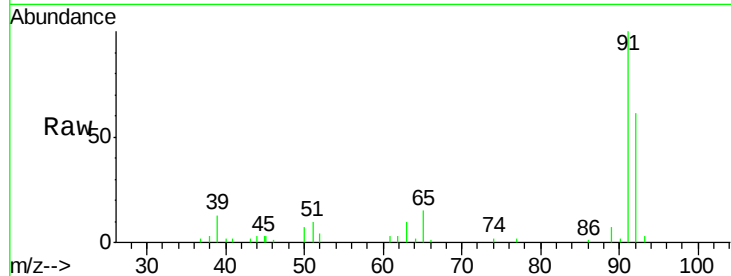
VSTD0.503

Tgt Ion: 91 Resp: 18802

Ion Ratio Lower Upper

91 100

92 60.7 40.7 75.5



Abundance Ion 91.15 (90.85 to 91.85): VU039999.D (-2050) (-)

Ion 92.15 (91.85 to 92.85): VU039999.D (-2050) (-)

7.97

12000

10000

8000

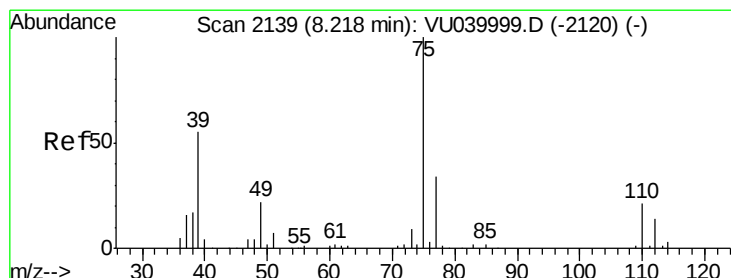
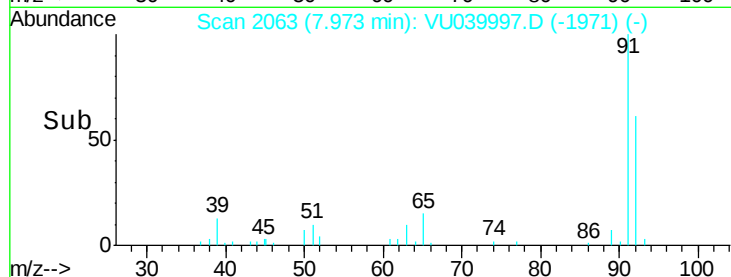
6000

4000

2000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.471 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU039997.D

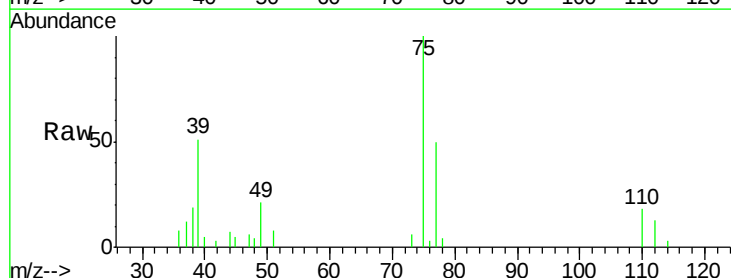
Acq: 31 Aug 2020 09:46

Tgt Ion: 75 Resp: 6816

Ion Ratio Lower Upper

75 100

77 49.9 23.9 44.3#



Abundance Ion 75.05 (74.75 to 75.75): VU039999.D (-2120) (-)

Ion 77.05 (76.75 to 77.75): VU039999.D (-2120) (-)

8.21

4000

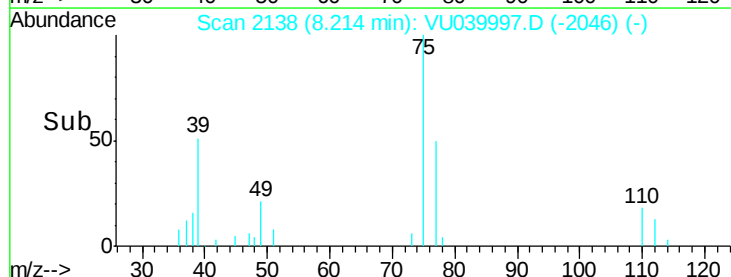
3000

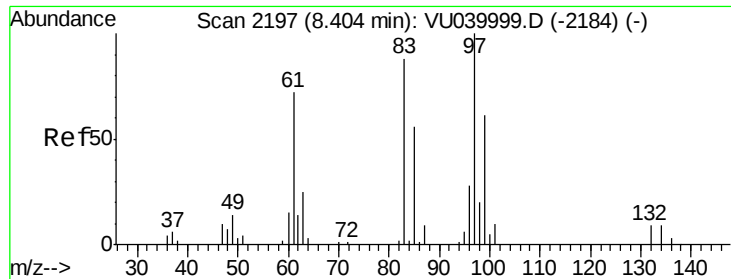
2000

1000

0

Time-->

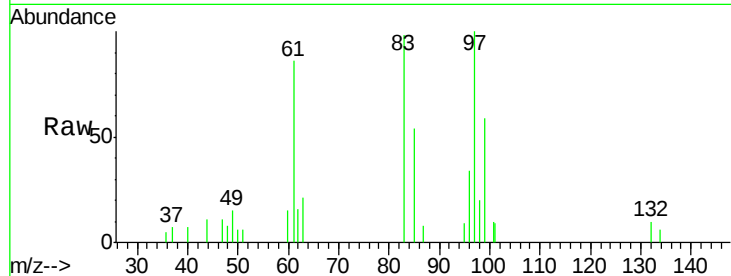




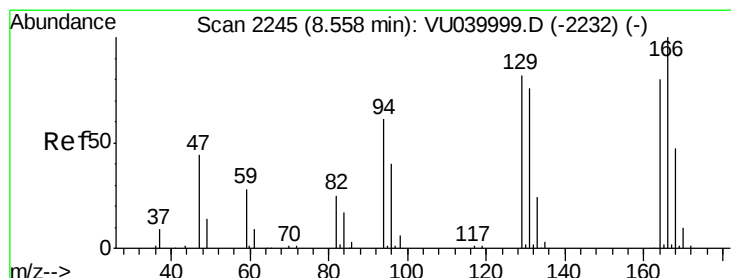
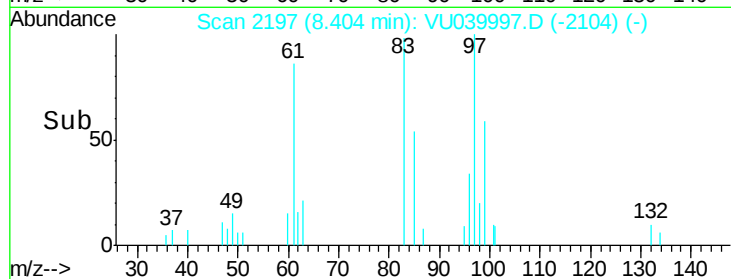
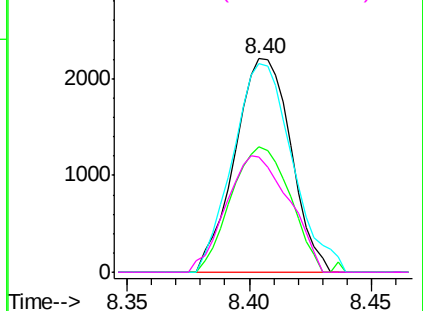
#45
 1,1,2-Trichloroethane
 Concen: 0.428 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VU039997.D
 Acq: 31 Aug 2020 09:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.503

Tgt Ion:	97	Resp:	3513
Ion	Ratio	Lower	Upper
97	100		
99	58.7	43.0	79.8
83	97.6	61.7	114.7
85	54.0	39.3	73.1

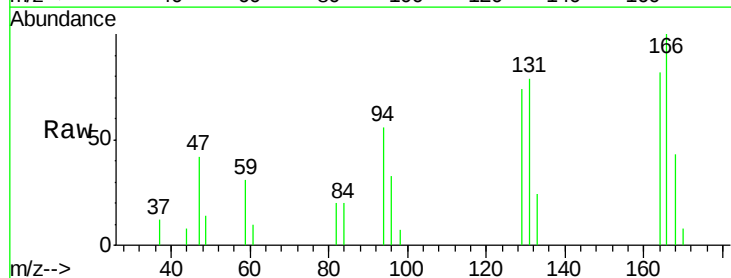


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

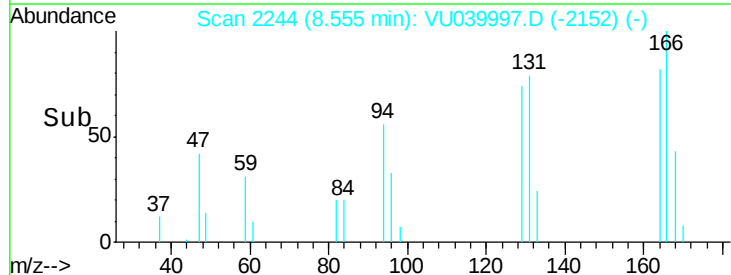
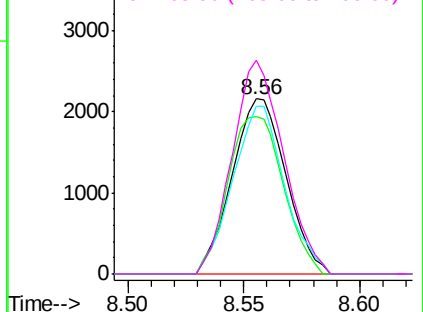


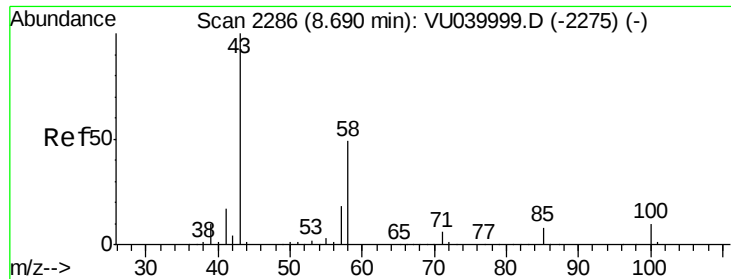
#47
 Tetrachloroethene
 Concen: 0.457 ug/L
 RT: 8.56 min Scan# 2244
 Delta R.T. -0.00 min
 Lab File: VU039997.D
 Acq: 31 Aug 2020 09:46

Tgt Ion:	164	Resp:	3480
Ion	Ratio	Lower	Upper
164	100		
129	90.2	71.5	132.7
131	96.1	65.9	122.5
166	122.1	87.3	162.1



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

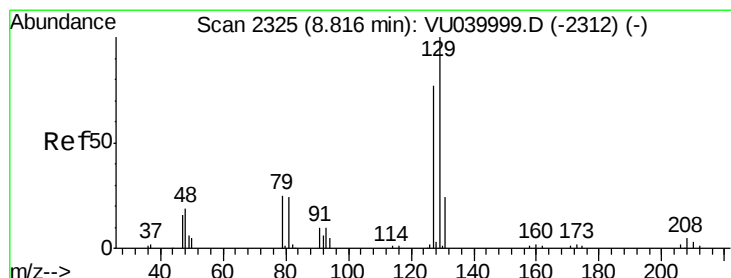
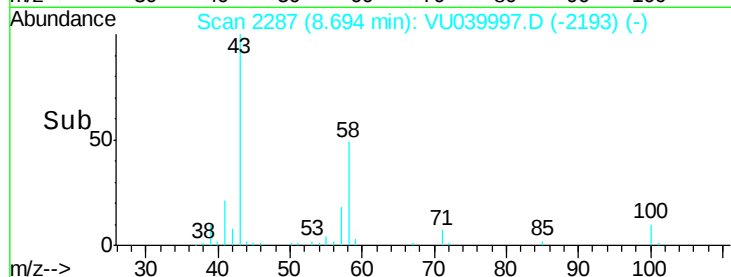
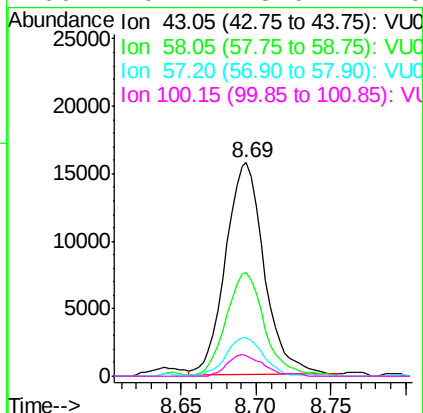
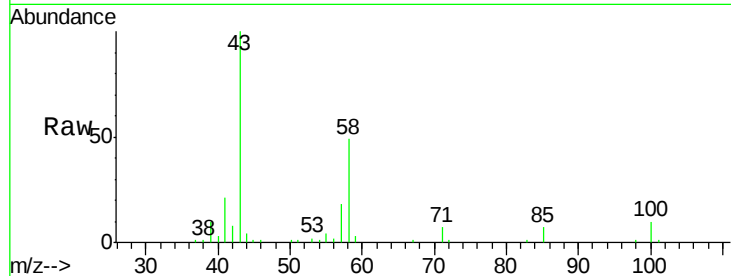




#48
2-Hexanone
Concen: 4.475 ug/L
RT: 8.69 min Scan# 2287
Delta R.T. 0.00 min
Lab File: VU039997.D
Acq: 31 Aug 2020 09:46

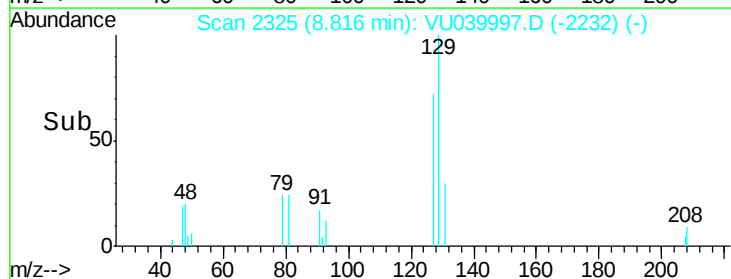
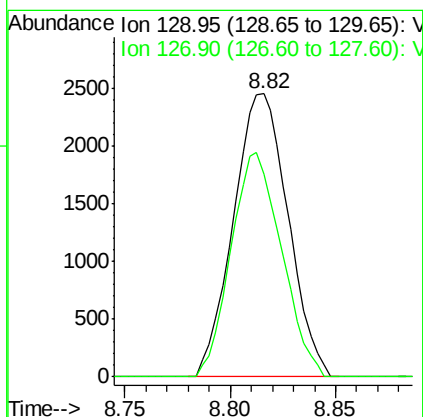
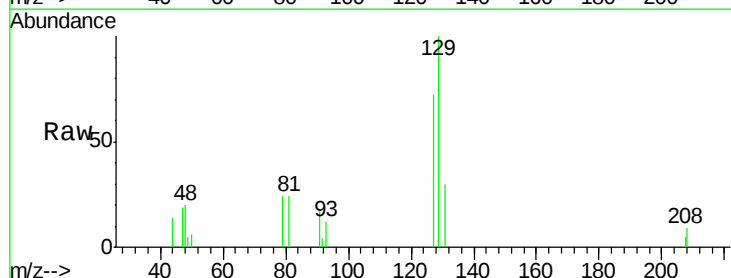
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.503

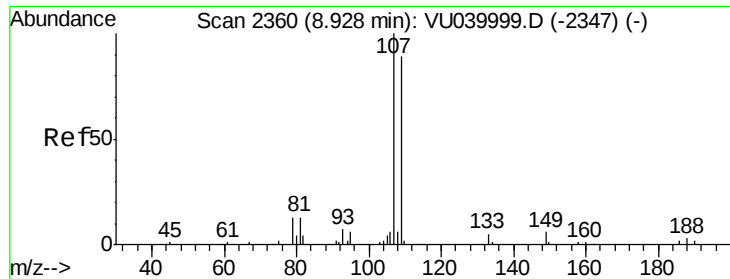
Tgt Ion:	43	Resp:	28130
Ion	Ratio	Lower	Upper
43	100		
58	49.2	39.6	59.4
57	16.9	14.3	21.5
100	9.7	8.0	12.0



#49
Dibromochloromethane
Concen: 0.454 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU039997.D
Acq: 31 Aug 2020 09:46

Tgt Ion:	129	Resp:	4419
Ion	Ratio	Lower	Upper
129	100		
127	71.6	53.7	99.7

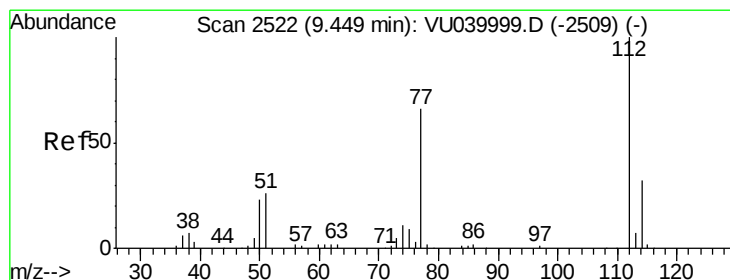
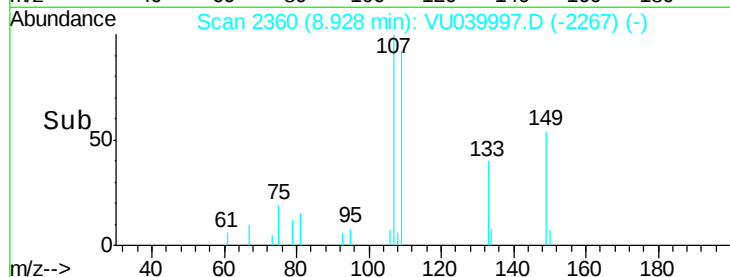
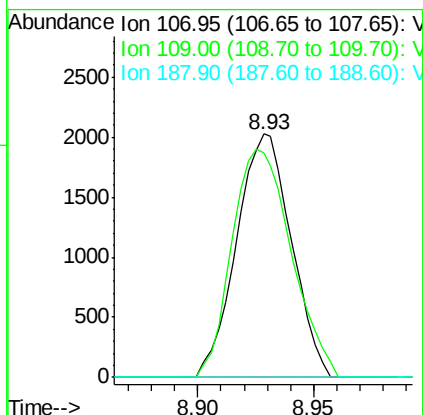
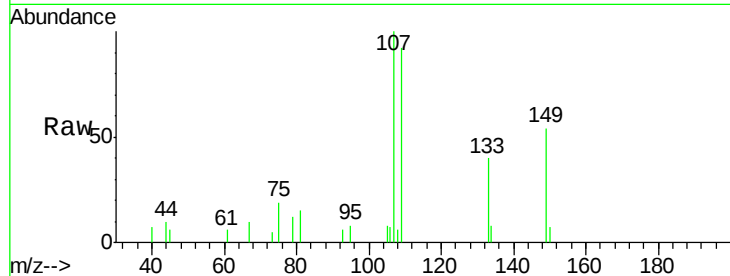




#50
1,2-Dibromoethane
Concen: 0.425 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. 0.00 min
Lab File: VU039997.D
Acq: 31 Aug 2020 09:46

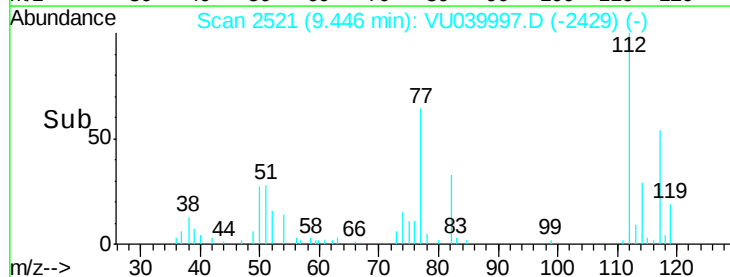
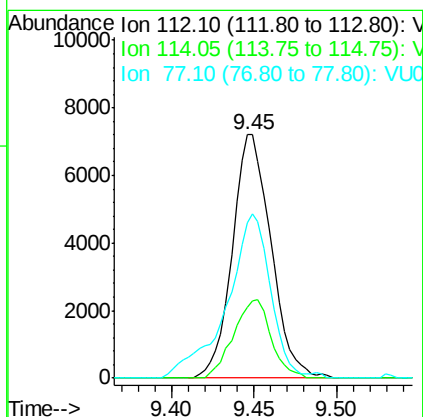
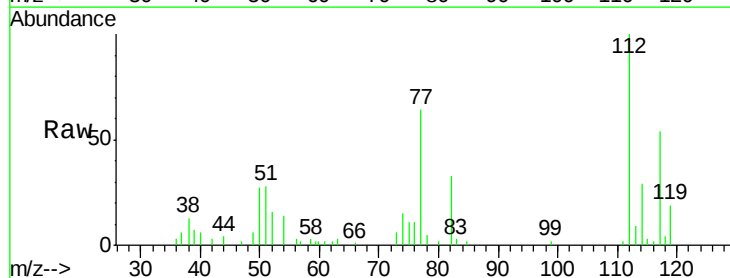
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.503

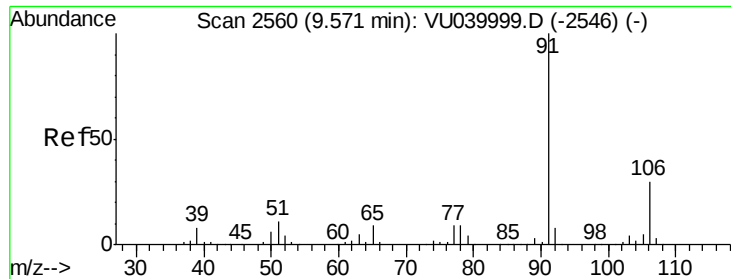
Tgt Ion:107 Resp: 3319
Ion Ratio Lower Upper
107 100
109 92.3 62.4 115.8
188 0.0 2.3 3.5#



#51
Chlorobenzene
Concen: 0.437 ug/L
RT: 9.45 min Scan# 2521
Delta R.T. -0.00 min
Lab File: VU039997.D
Acq: 31 Aug 2020 09:46

Tgt Ion:112 Resp: 11702
Ion Ratio Lower Upper
112 100
114 29.0 22.7 42.3
77 64.0 53.2 79.8





#52

Ethylbenzene

Concen: 0.460 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU039997.D

Acq: 31 Aug 2020 09:46

Instrument :

MSVOA_U

ClientSampleId :

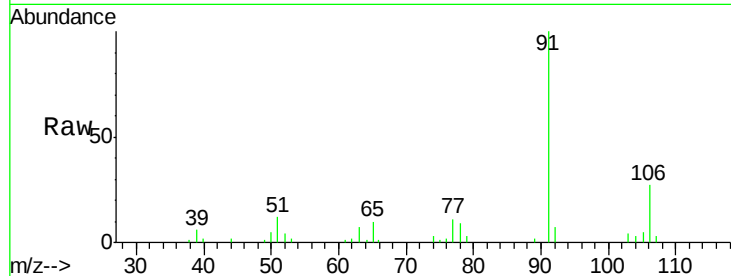
VSTD0.503

Tgt Ion: 91 Resp: 20936

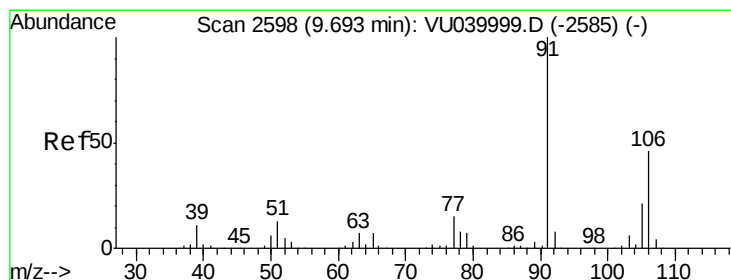
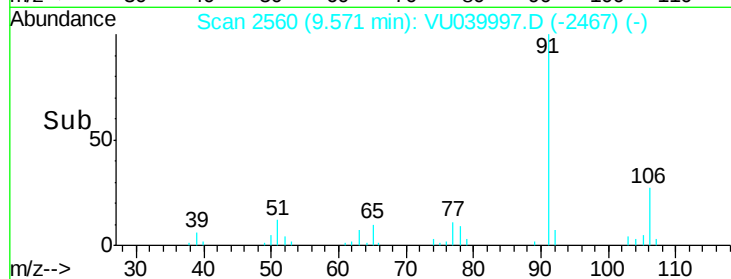
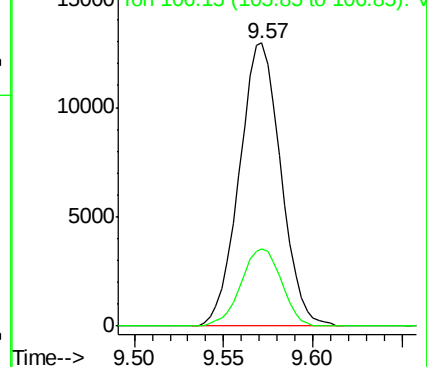
Ion Ratio Lower Upper

91 100

106 27.2 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU039999.D (-2546) (-)



#53

m,p-Xylene

Concen: 0.402 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU039997.D

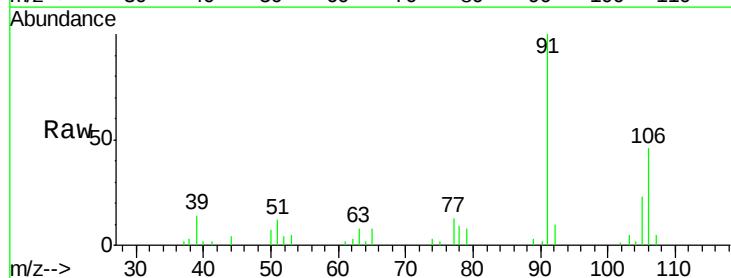
Acq: 31 Aug 2020 09:46

Tgt Ion: 106 Resp: 6912

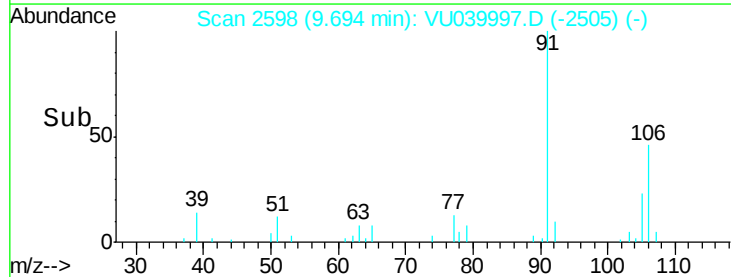
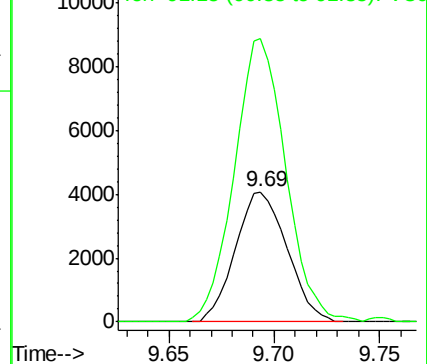
Ion Ratio Lower Upper

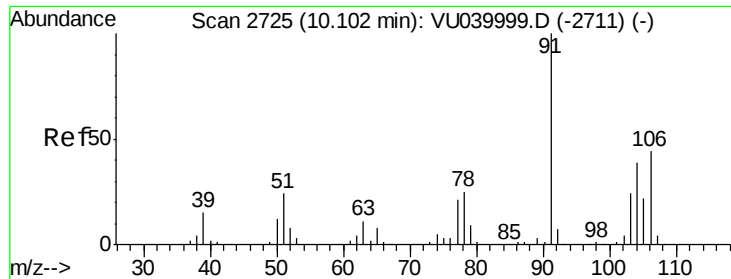
106 100

91 217.0 151.7 281.7



Abundance Ion 106.15 (105.85 to 106.85): VU039999.D (-2585) (-)

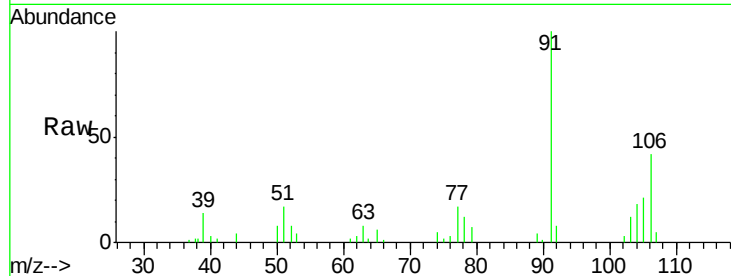




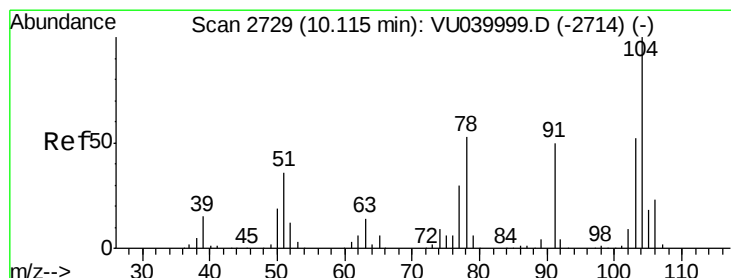
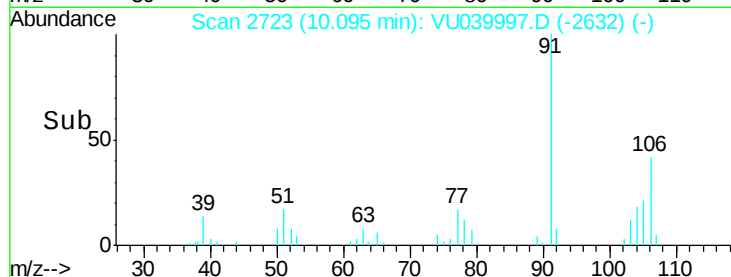
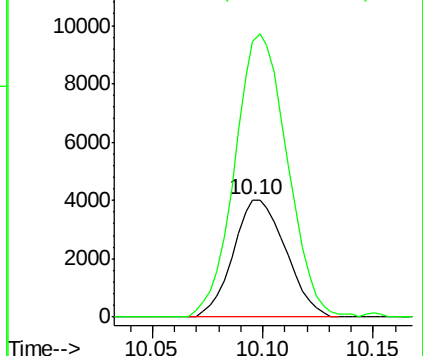
#54
o-Xylene
Concen: 0.407 ug/L
RT: 10.10 min Scan# 2723
Delta R.T. -0.01 min
Lab File: VU039997.D
Acq: 31 Aug 2020 09:46

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.503

Tgt Ion:106 Resp: 6631
Ion Ratio Lower Upper
106 100
91 236.1 160.8 298.6

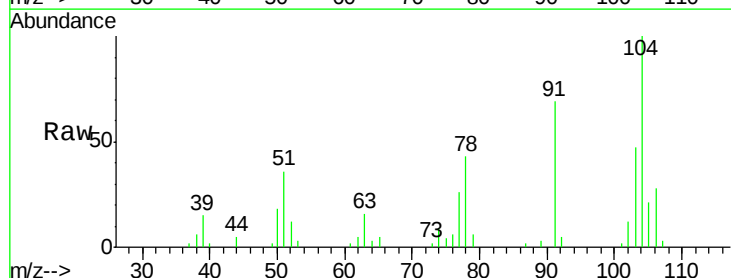


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

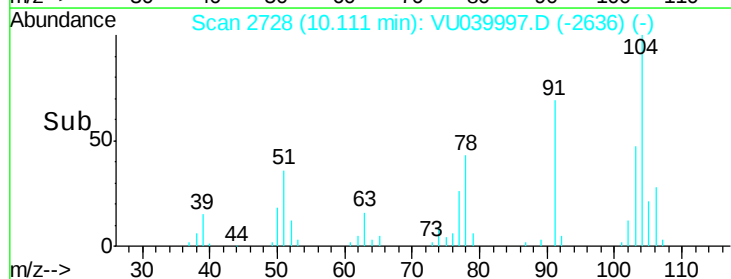
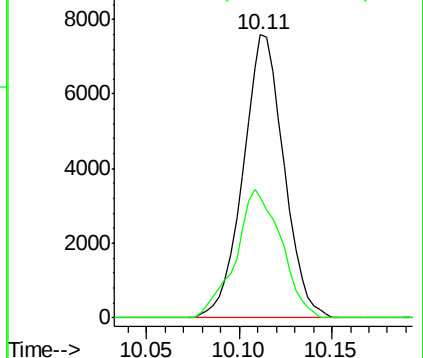


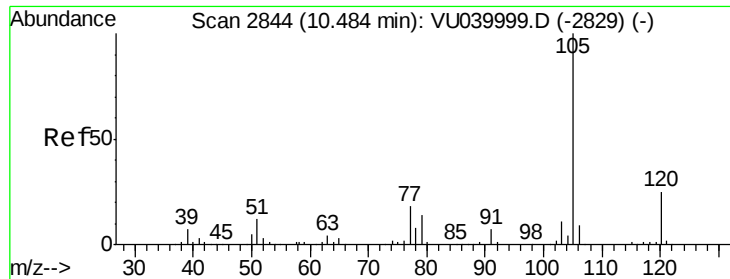
#55
Styrene
Concen: 0.413 ug/L
RT: 10.11 min Scan# 2728
Delta R.T. -0.00 min
Lab File: VU039997.D
Acq: 31 Aug 2020 09:46

Tgt Ion:104 Resp: 11645
Ion Ratio Lower Upper
104 100
78 42.7 36.8 68.3



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





#56

Isopropylbenzene

Concen: 0.405 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU039997.D

Acq: 31 Aug 2020 09:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.503

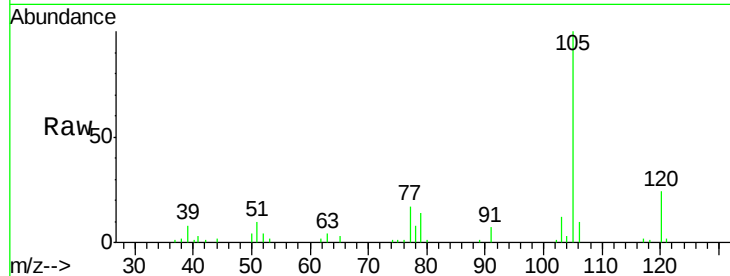
Tgt Ion: 105 Resp: 17755

Ion Ratio Lower Upper

105 100

120 26.9 20.1 30.1

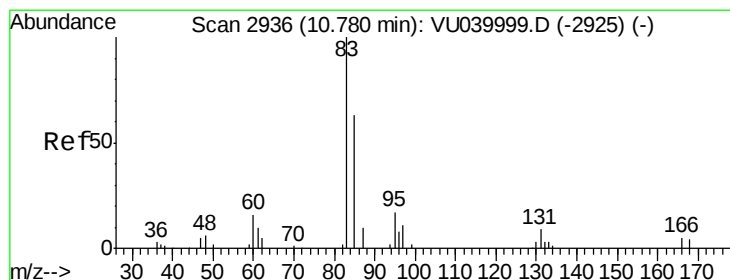
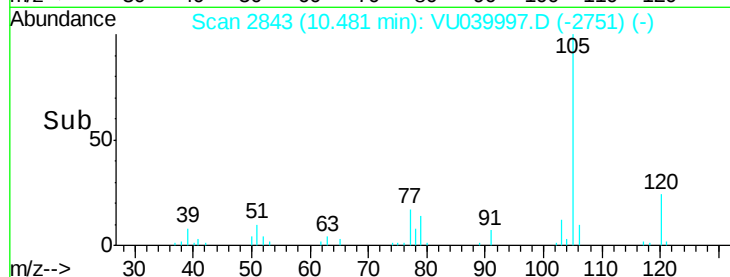
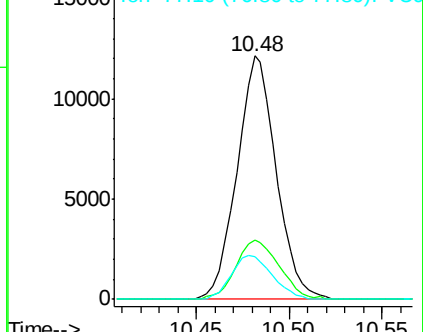
77 18.8 14.4 21.6



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: 0.473 ug/L

RT: 10.78 min Scan# 2937

Delta R.T. 0.00 min

Lab File: VU039997.D

Acq: 31 Aug 2020 09:46

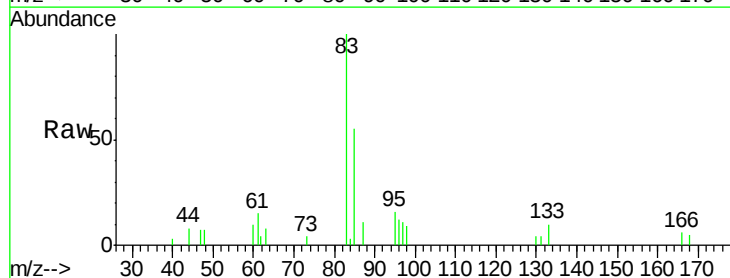
Tgt Ion: 83 Resp: 4958

Ion Ratio Lower Upper

83 100

85 54.6 44.9 83.3

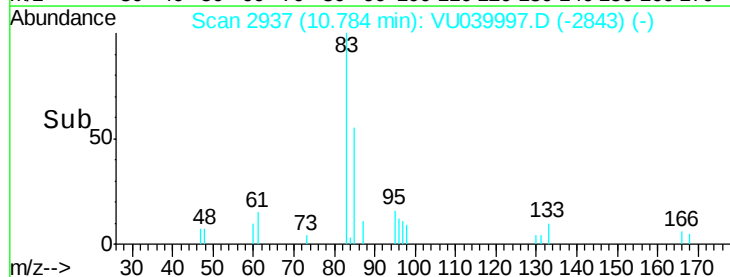
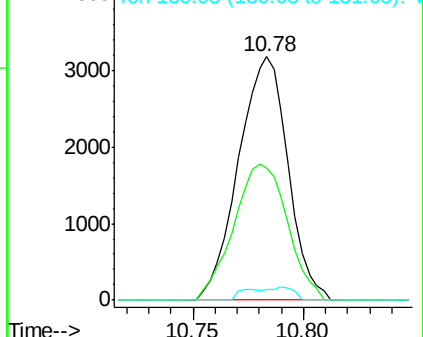
131 4.2 7.4 11.0#

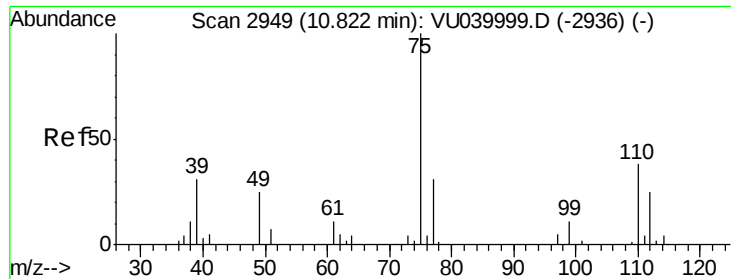


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

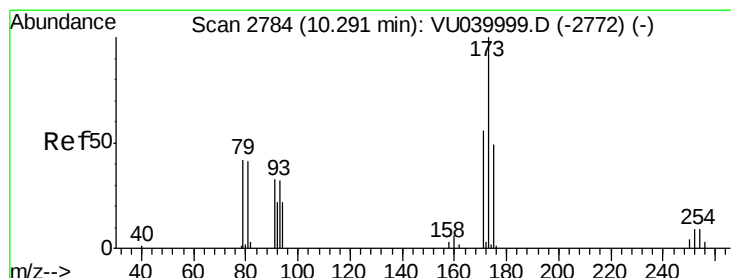
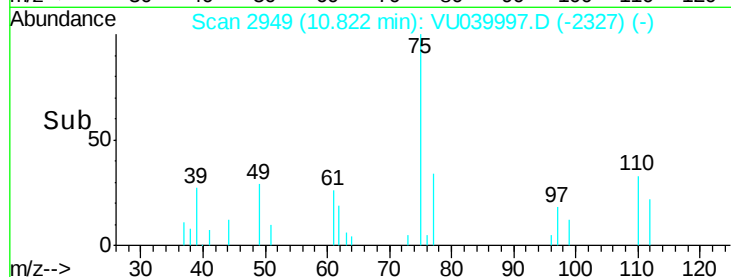
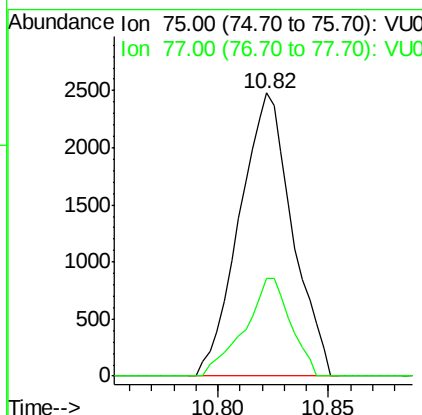
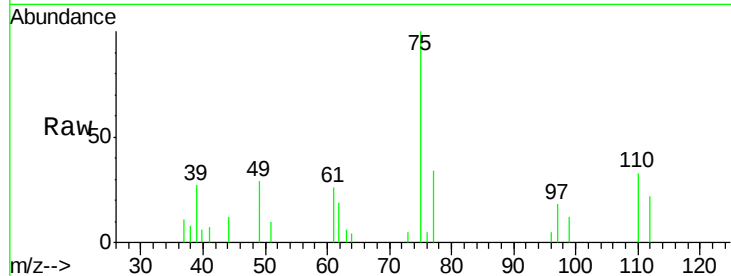




#59
 1,2,3-Trichloropropane
 Concen: 0.525 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. 0.00 min
 Lab File: VU039997.D
 Acq: 31 Aug 2020 09:46

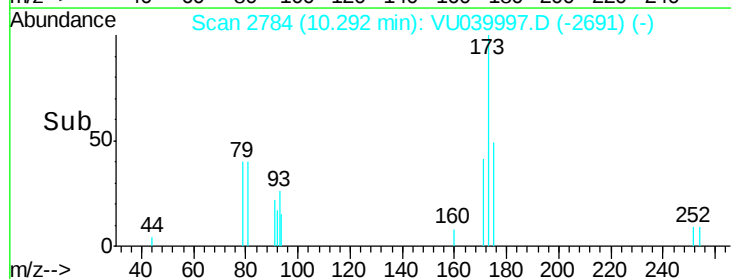
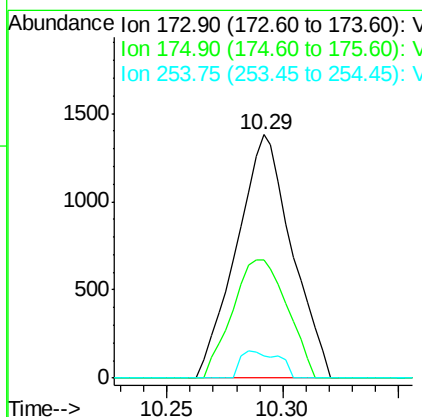
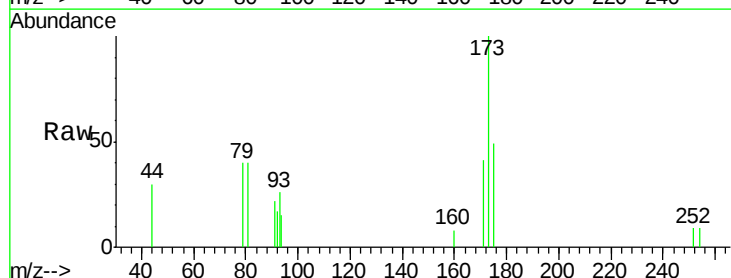
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.503

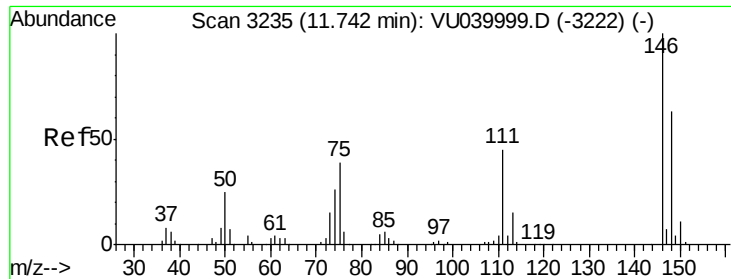
Tgt Ion: 75 Resp: 4131
 Ion Ratio Lower Upper
 75 100
 77 30.0 24.9 37.3



#61
 Bromoform
 Concen: 0.505 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: VU039997.D
 Acq: 31 Aug 2020 09:46

Tgt Ion: 173 Resp: 2286
 Ion Ratio Lower Upper
 173 100
 175 48.3 37.8 56.6
 254 7.7 6.8 10.2





#62

1,3-Dichlorobenzene

Concen: 0.486 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU039997.D

Acq: 31 Aug 2020 09:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.503

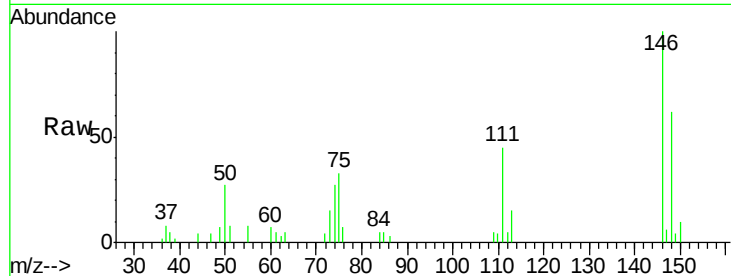
Tgt Ion:146 Resp: 9134

Ion Ratio Lower Upper

146 100

111 45.4 31.6 58.8

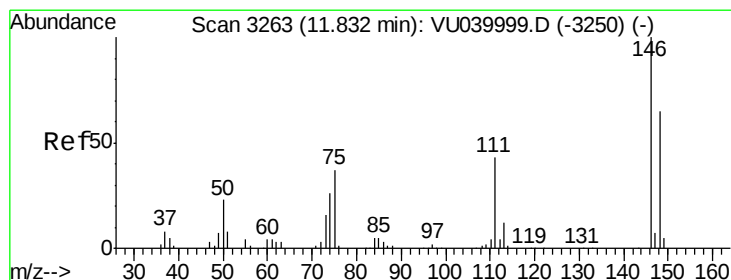
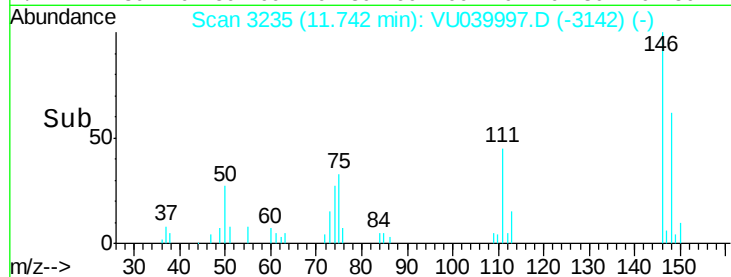
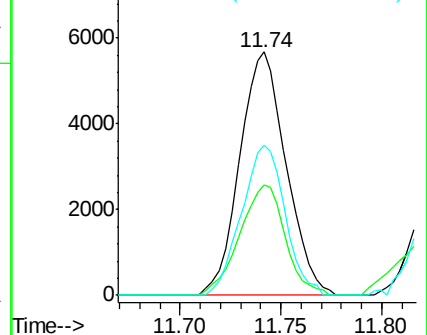
148 61.9 44.2 82.0



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: 0.475 ug/L

RT: 11.83 min Scan# 3262

Delta R.T. -0.00 min

Lab File: VU039997.D

Acq: 31 Aug 2020 09:46

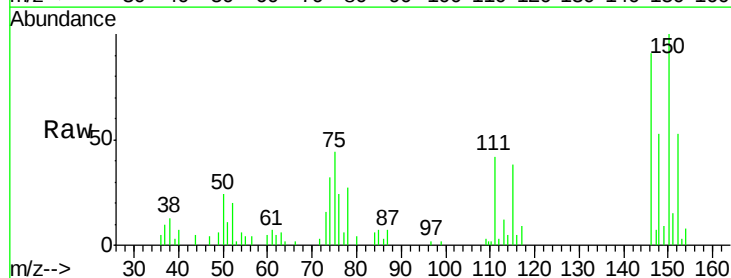
Tgt Ion:146 Resp: 9108

Ion Ratio Lower Upper

146 100

111 46.4 30.5 56.7

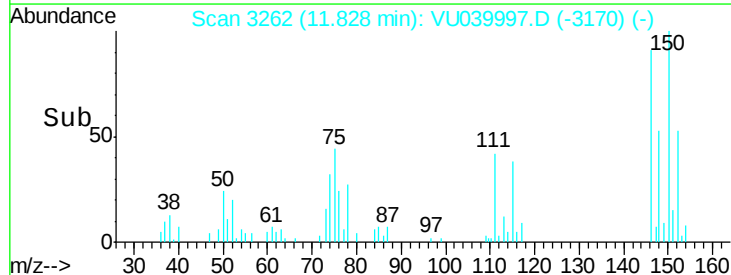
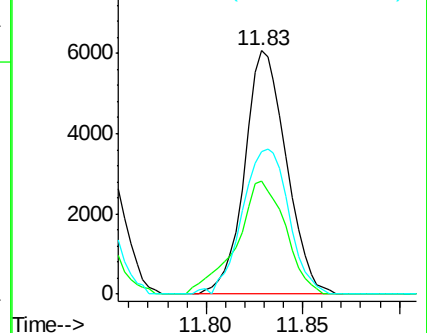
148 58.6 45.4 84.4

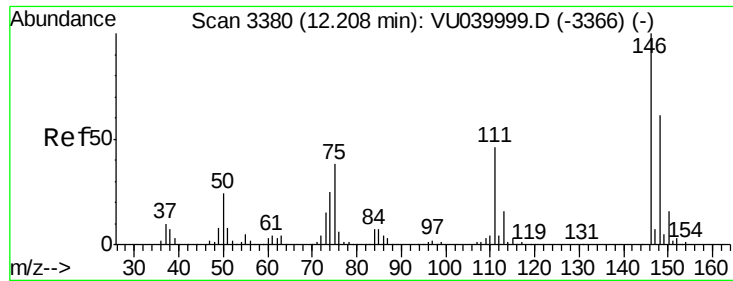


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

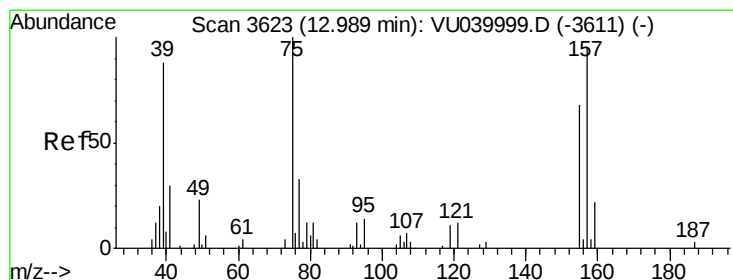
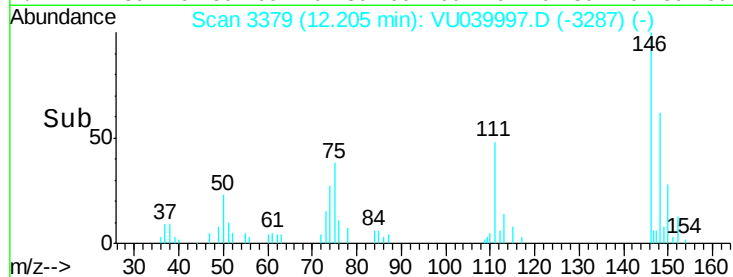
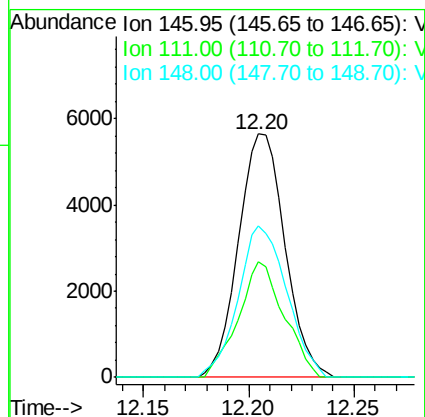
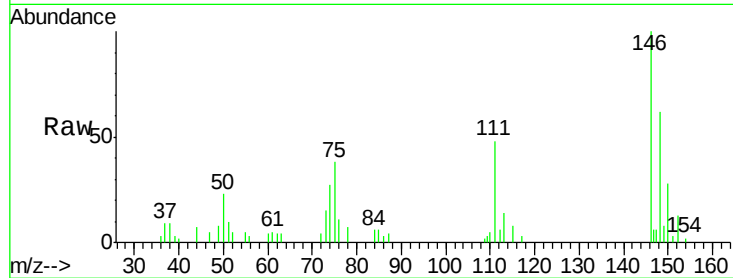




#65
 1,2-Dichlorobenzene
 Concen: 0.476 ug/L
 RT: 12.20 min Scan# 3379
 Delta R.T. -0.00 min
 Lab File: VU039997.D
 Acq: 31 Aug 2020 09:46

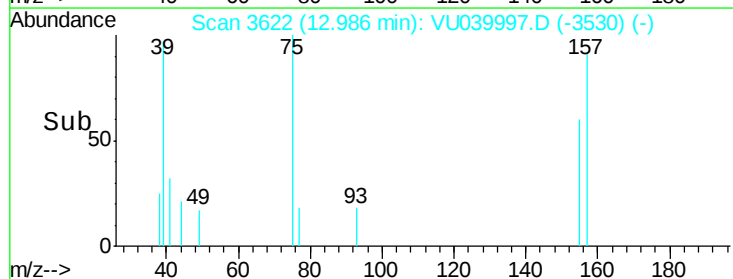
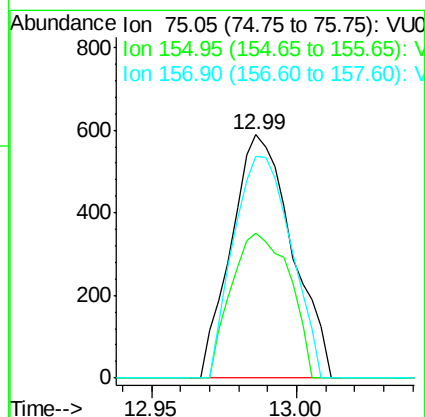
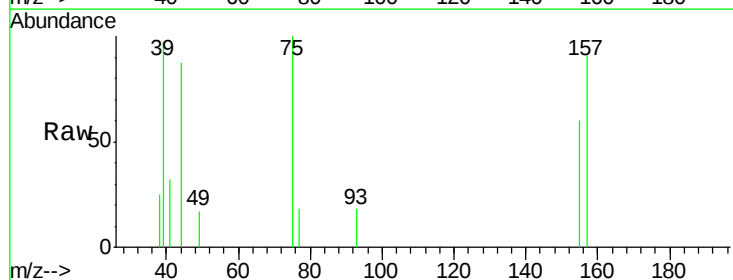
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.503

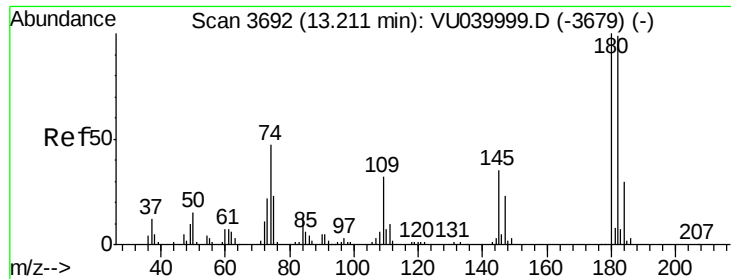
Tgt Ion: 146 Resp: 8684
 Ion Ratio Lower Upper
 146 100
 111 47.5 36.5 54.7
 148 62.0 48.6 72.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.539 ug/L
 RT: 12.99 min Scan# 3622
 Delta R.T. -0.00 min
 Lab File: VU039997.D
 Acq: 31 Aug 2020 09:46

Tgt Ion: 75 Resp: 855
 Ion Ratio Lower Upper
 75 100
 155 59.6 54.6 82.0
 157 91.3 75.6 113.4

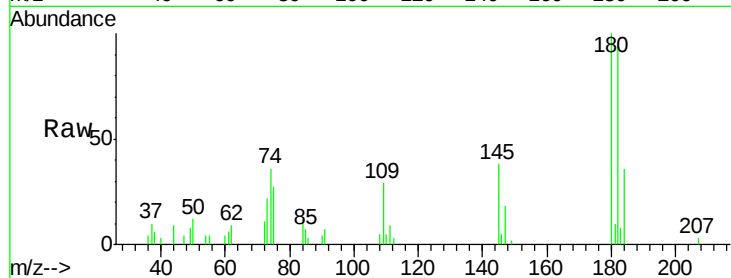




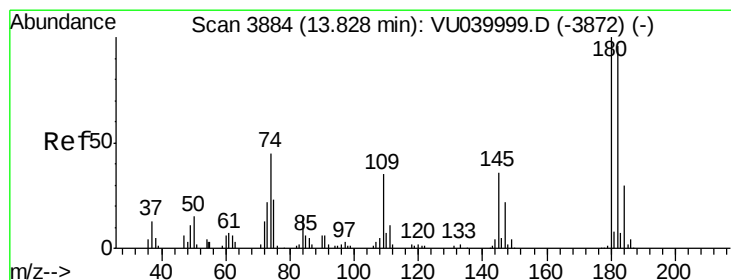
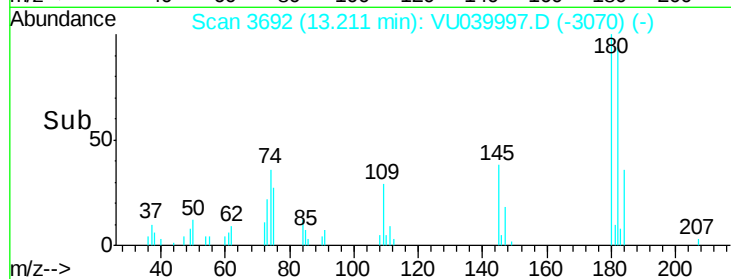
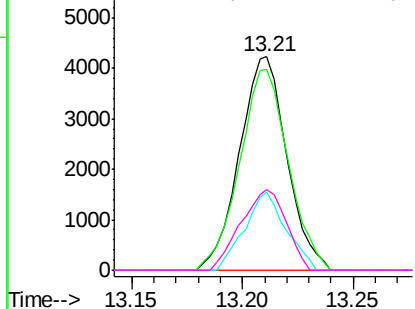
#67
 1,3,5-Trichlorobenzene
 Concen: 0.451 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU039997.D
 Acq: 31 Aug 2020 09:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.503

Tgt Ion:180 Resp: 6276
 Ion Ratio Lower Upper
 180 100
 182 96.7 76.9 115.3
 184 32.1 24.6 36.8
 145 36.0 27.0 40.6

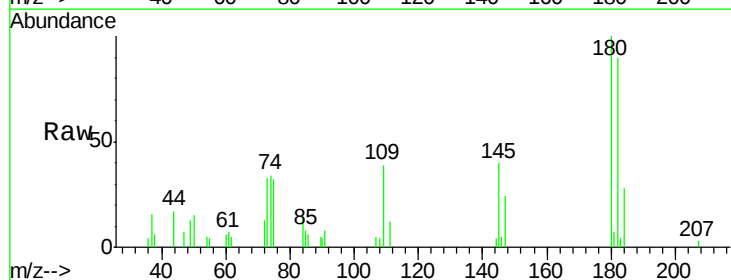


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

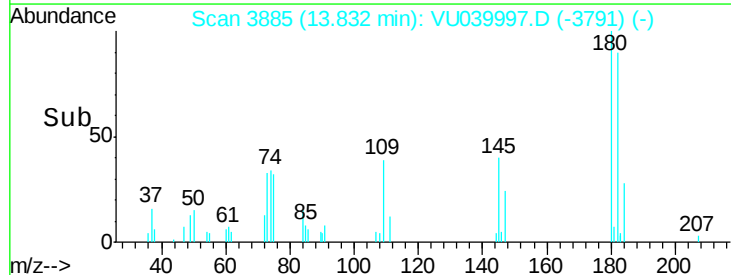
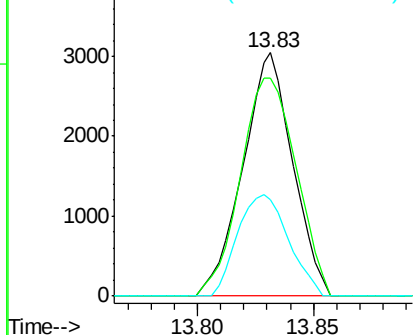


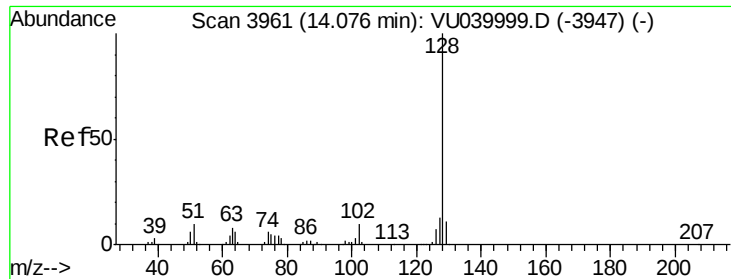
#68
 1,2,4-trichlorobenzene
 Concen: 0.380 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU039997.D
 Acq: 31 Aug 2020 09:46

Tgt Ion:180 Resp: 4536
 Ion Ratio Lower Upper
 180 100
 182 100.4 76.0 114.0
 145 42.6 28.4 42.6#



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: 0.424 ug/L

RT: 14.07 min Scan# 3960

Delta R.T. -0.00 min

Lab File: VU039997.D

Acq: 31 Aug 2020 09:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.503

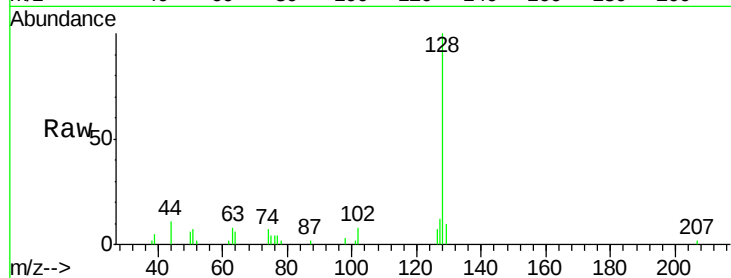
Tgt Ion:128 Resp: 9637

Ion Ratio Lower Upper

128 100

129 10.1 8.7 13.1

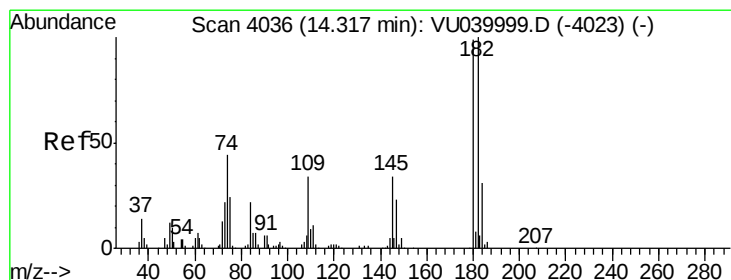
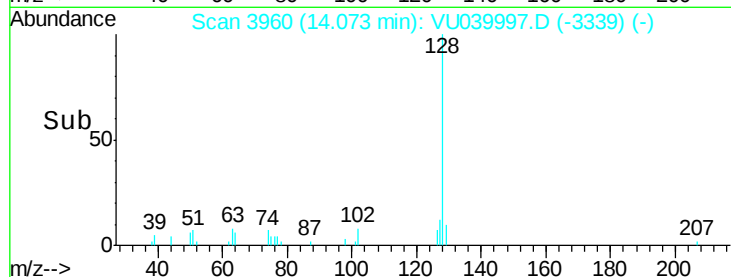
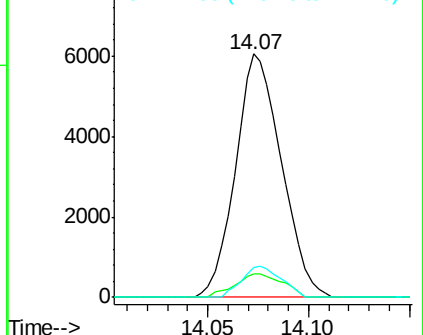
127 11.0 10.7 16.1



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: 0.423 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. 0.00 min

Lab File: VU039997.D

Acq: 31 Aug 2020 09:46

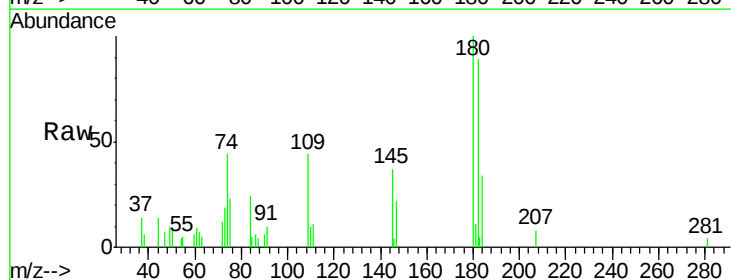
Tgt Ion:180 Resp: 4702

Ion Ratio Lower Upper

180 100

182 90.3 77.8 116.6

145 36.7 28.7 43.1



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

