

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080320\NOT REVIEWED DATA\
 Data File : VU039737.D
 Acq On : 03 Aug 2020 14:03
 Operator : SY/MD
 Sample : VSTD00503
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00503

Quant Time: Aug 03 18:00:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR080320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Aug 03 17:44:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	82638	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	81494	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	44055	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	22317	5.00	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.00%
7) Chloroethane-d5	1.92	69	22327	4.63	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.60%
11) 1,1-Dichloroethene-d2	2.58	63	43905	4.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.80%
20) 2-Butanone-d5	4.65	46	95498	48.66	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.32%
24) Chloroform-d	5.08	84	53490	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
26) 1,2-Dichloroethane-d4	5.72	65	32141	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.80%
32) Benzene-d6	5.74	84	96073	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.20%
36) 1,2-Dichloropropane-d6	6.70	67	32133	4.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.80%
41) Toluene-d8	7.91	98	86265	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.20%
43) trans-1,3-Dichloropropene-	8.18	79	12910	5.07	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.40%
46) 2-Hexanone-d5	8.64	63	69177	50.22	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.44%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	30572	4.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	38096	5.05	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	31314	4.699	ug/L 100
3) Chloromethane	1.53	50	32978	4.706	ug/L 100
5) Vinyl chloride	1.61	62	31494	4.687	ug/L 100
6) Bromomethane	1.86	94	20516	4.825	ug/L 100
8) Chloroethane	1.94	64	22958	4.660	ug/L 100
9) Trichlorofluoromethane	2.15	101	51102	4.890	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	25661	4.526	ug/L 100
12) 1,1-Dichloroethene	2.59	96	23096	4.685	ug/L 100
13) Acetone	2.65	43	51903	44.858	ug/L 100
14) Carbon disulfide	2.81	76	71110	4.613	ug/L 100
15) Methyl Acetate	2.96	43	13499	4.730	ug/L 100
16) Methylene chloride	3.06	84	29947	3.768	ug/L 100
17) Methyl tert-butyl Ether	3.38	73	63447	4.847	ug/L 100
18) trans-1,2-Dichloroethene	3.37	96	25431	4.634	ug/L 100
19) 1,1-Dichloroethane	3.89	63	48029	4.740	ug/L 100
21) 2-Butanone	4.73	43	90797	49.796	ug/L 100
22) cis-1,2-Dichloroethene	4.69	96	29396	4.925	ug/L 100

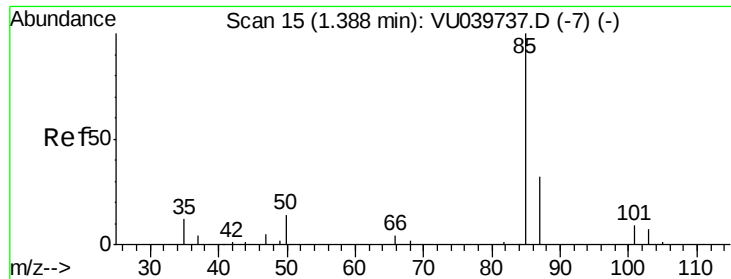
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080320\NOT REVIEWED DATA\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	14118	5.036	ug/L	100
25) Chloroform	5.11	83	52614	4.831	ug/L	100
27) 1,2-Dichloroethane	5.81	62	36348	4.843	ug/L	100
29) 1,1,1-Trichloroethane	5.34	97	45006	4.951	ug/L	100
30) Cyclohexane	5.40	56	42072	4.810	ug/L	100
31) Carbon tetrachloride	5.54	117	40148	4.813	ug/L	100
33) Benzene	5.79	78	109785	4.944	ug/L	100
34) Trichloroethene	6.55	95	28732	4.983	ug/L	100
35) Methylcyclohexane	6.77	83	46347	5.036	ug/L	100
37) 1,2-Dichloropropane	6.80	63	28589	4.848	ug/L	100
38) Bromodichloromethane	7.12	83	37041	4.801	ug/L	100
39) cis-1,3-Dichloropropene	7.62	75	39276	4.883	ug/L	100
40) 4-Methyl-2-pentanone	7.80	43	220447	50.021	ug/L	100
42) Toluene	7.98	91	114330	4.900	ug/L	100
44) trans-1,3-Dichloropropene	8.21	75	36774	5.075	ug/L	100
45) 1,1,2-Trichloroethane	8.41	97	22914	5.166	ug/L	100
47) Tetrachloroethene	8.56	164	22385	4.706	ug/L	100
48) 2-Hexanone	8.69	43	161387	50.712	ug/L	100
49) Dibromochloromethane	8.82	129	27162	4.990	ug/L	100
50) 1,2-Dibromoethane	8.93	107	22218	5.108	ug/L	100
51) Chlorobenzene	9.45	112	77408	4.937	ug/L	100
52) Ethylbenzene	9.57	91	129076	4.943	ug/L	100
53) m,p-Xylene	9.70	106	51034	5.132	ug/L	100
54) o-Xylene	10.10	106	49936	5.128	ug/L	100
55) Styrene	10.11	104	83603	5.098	ug/L	100
56) Isopropylbenzene	10.48	105	130973	5.032	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.78	83	29970	4.911	ug/L	100
59) 1,2,3-Trichloropropane	10.82	75	21066	4.952	ug/L	100
61) Bromoform	10.29	173	14630	4.915	ug/L	100
62) 1,3-Dichlorobenzene	11.74	146	63555	4.929	ug/L	100
63) 1,4-Dichlorobenzene	11.83	146	66966	4.927	ug/L	100
65) 1,2-Dichlorobenzene	12.20	146	61796	4.864	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.99	75	4795	4.993	ug/L	100
67) 1,3,5-Trichlorobenzene	13.21	180	46557	4.764	ug/L	100
68) 1,2,4-trichlorobenzene	13.83	180	40828	4.986	ug/L	100
69) Naphthalene	14.08	128	73257	5.003	ug/L	100
70) 1,2,3-Trichlorobenzene	14.32	180	38831	5.285	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 4.699 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU039737.D

Acq: 03 Aug 2020 14:03

Instrument :

MSVOA_U

ClientSampleId :

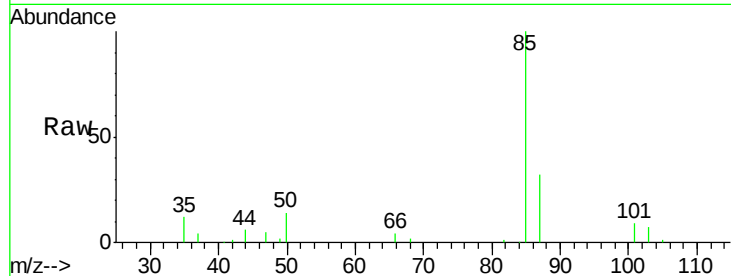
VSTD00503

Tgt Ion: 85 Resp: 31314

Ion Ratio Lower Upper

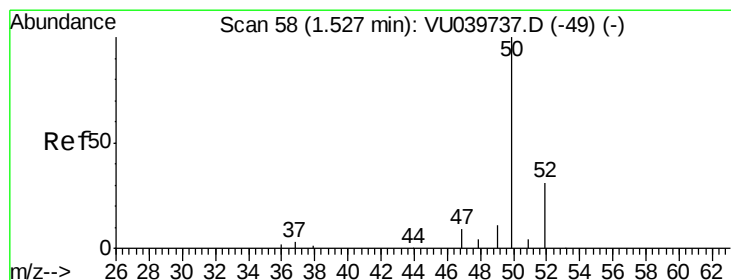
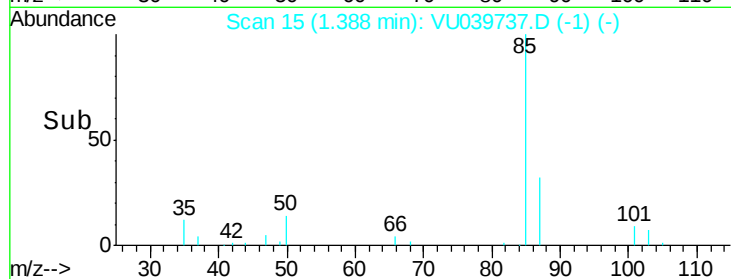
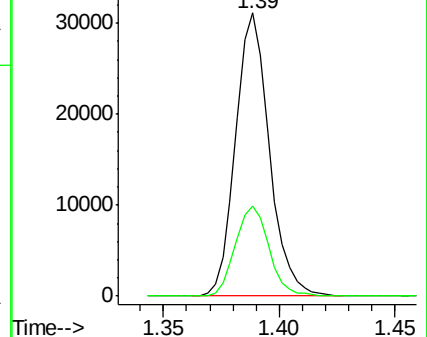
85 100

87 31.7 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VU039737.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU039737.D (-7) (-)



#3

Chloromethane

Concen: 4.706 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU039737.D

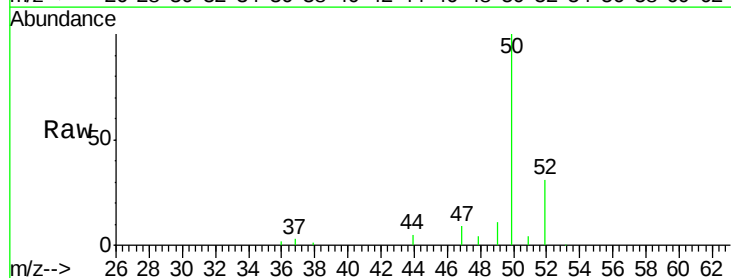
Acq: 03 Aug 2020 14:03

Tgt Ion: 50 Resp: 32978

Ion Ratio Lower Upper

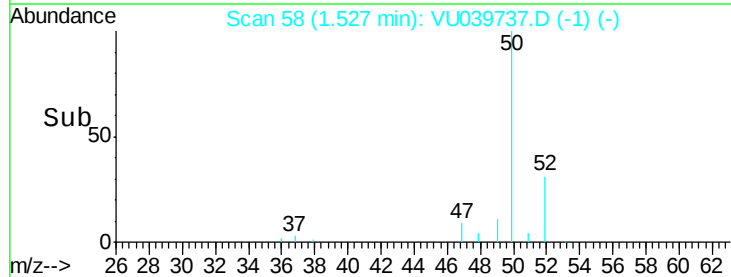
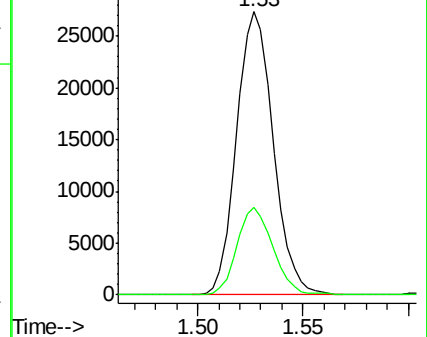
50 100

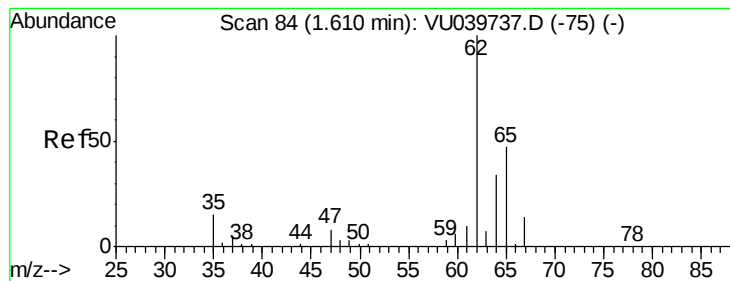
52 30.8 21.6 40.0



Abundance Ion 50.05 (49.75 to 50.75): VU039737.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU039737.D (-49) (-)





#5

Vinyl chloride

Concen: 4.687 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039737.D

Acq: 03 Aug 2020 14:03

Instrument :

MSVOA_U

ClientSampleId :

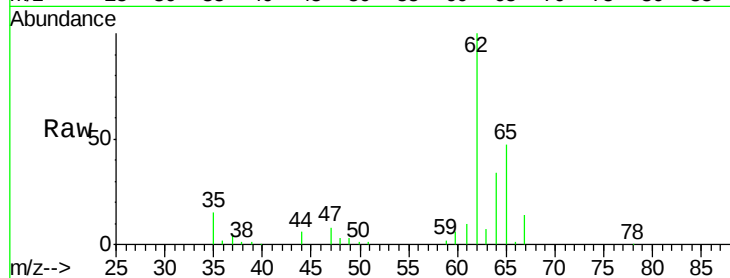
VSTD00503

Tgt Ion: 62 Resp: 31494

Ion Ratio Lower Upper

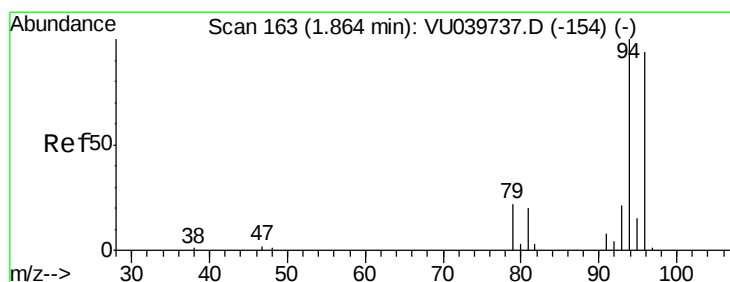
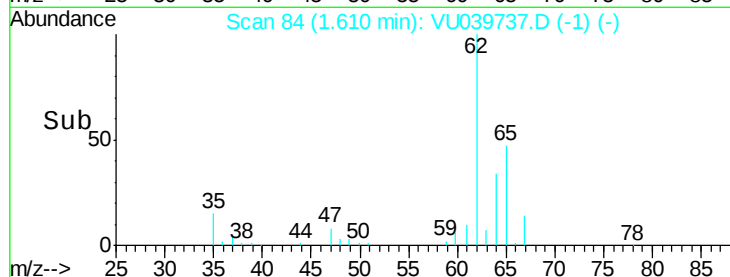
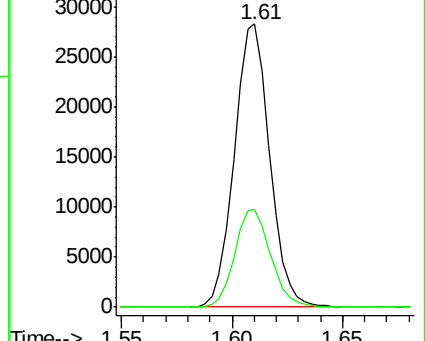
62 100

64 34.4 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 4.825 ug/L

RT: 1.86 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU039737.D

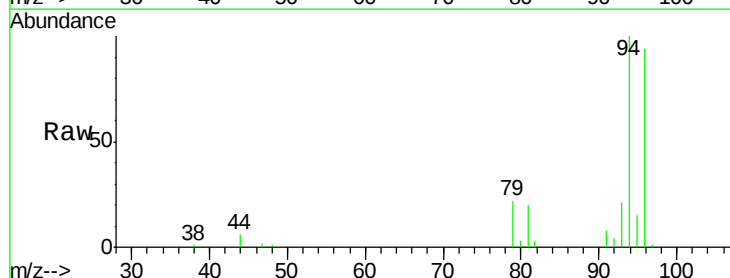
Acq: 03 Aug 2020 14:03

Tgt Ion: 94 Resp: 20516

Ion Ratio Lower Upper

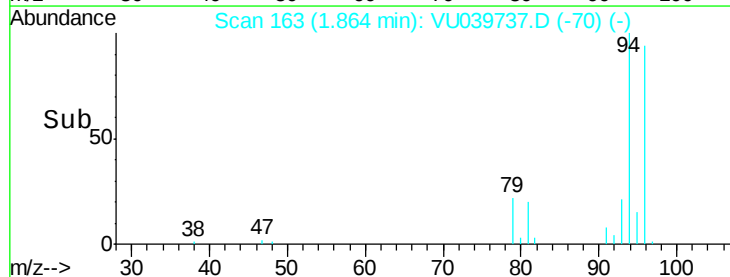
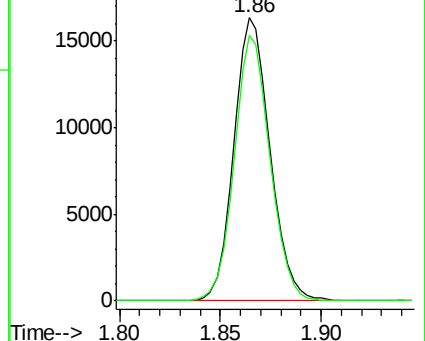
94 100

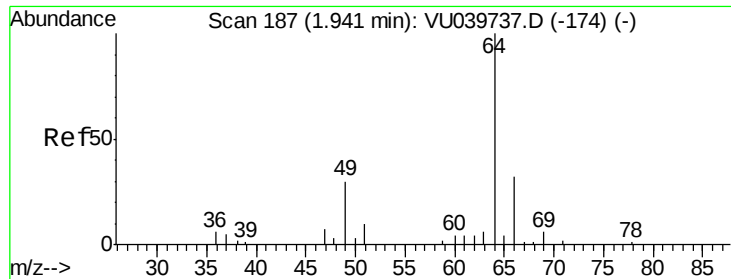
96 94.0 65.8 122.2



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

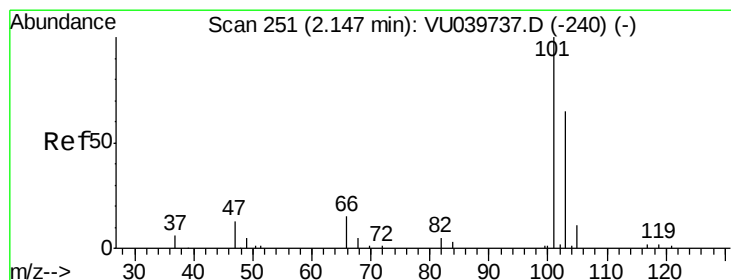
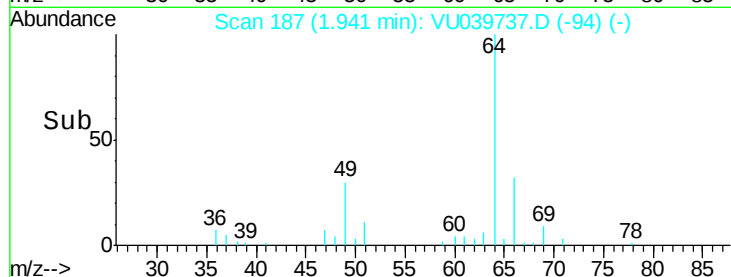
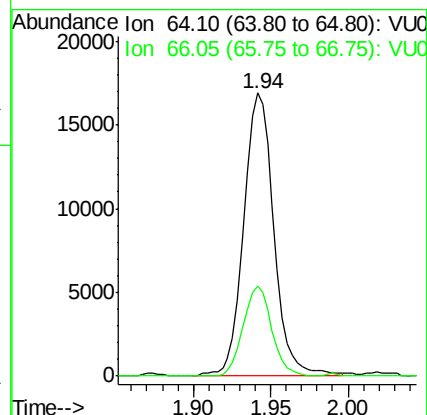
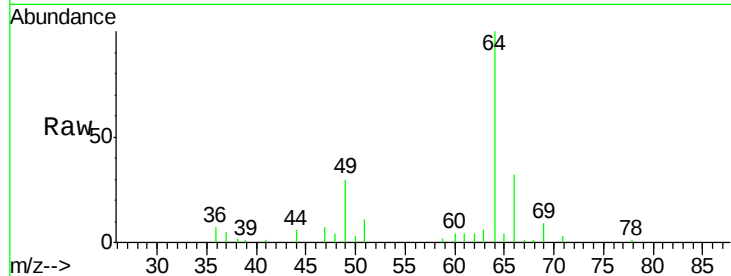




#8
Chloroethane
Concen: 4.660 ug/L
RT: 1.94 min Scan# 187
Delta R.T. 0.00 min
Lab File: VU039737.D
Acq: 03 Aug 2020 14:03

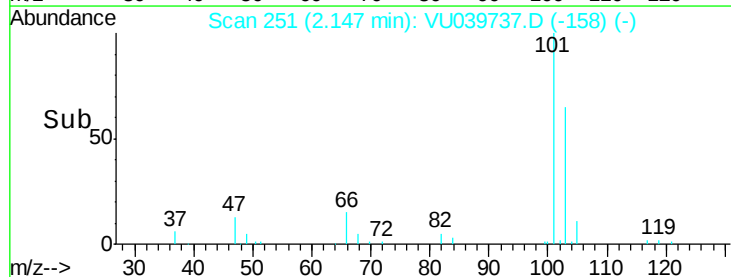
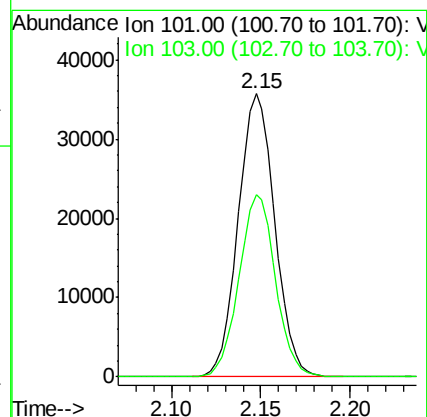
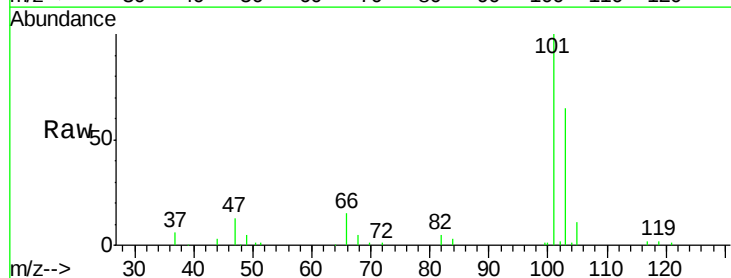
Instrument :
MSVOA_U
ClientSampleId :
VSTD00503

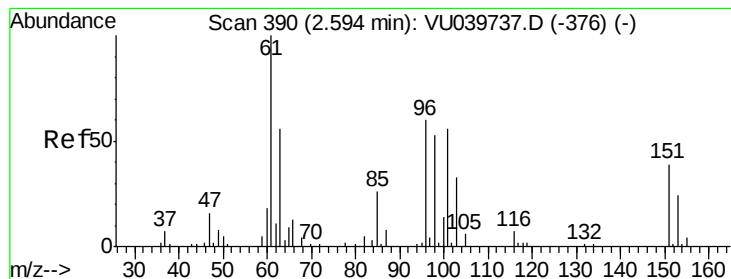
Tgt Ion: 64 Resp: 22958
Ion Ratio Lower Upper
64 100
66 31.8 22.3 41.3



#9
Trichlorofluoromethane
Concen: 4.890 ug/L
RT: 2.15 min Scan# 251
Delta R.T. 0.00 min
Lab File: VU039737.D
Acq: 03 Aug 2020 14:03

Tgt Ion: 101 Resp: 51102
Ion Ratio Lower Upper
101 100
103 64.3 51.4 77.2





#10

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

Concen: 4.526 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039737.D

Acq: 03 Aug 2020 14:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD00503

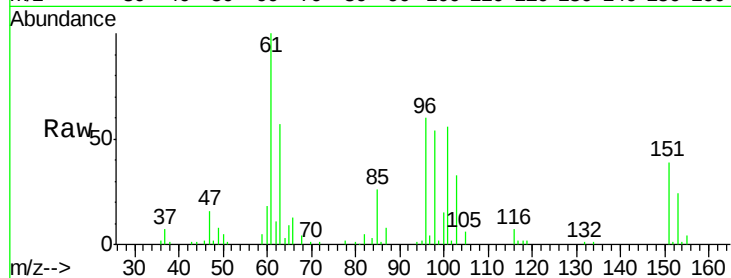
Tgt Ion: 101 Resp: 25661

Ion Ratio Lower Upper

101 100

85 47.4 37.9 56.9

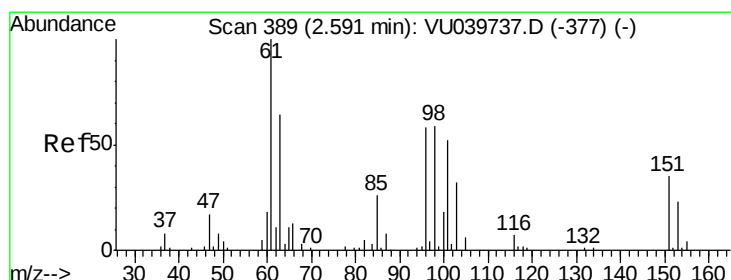
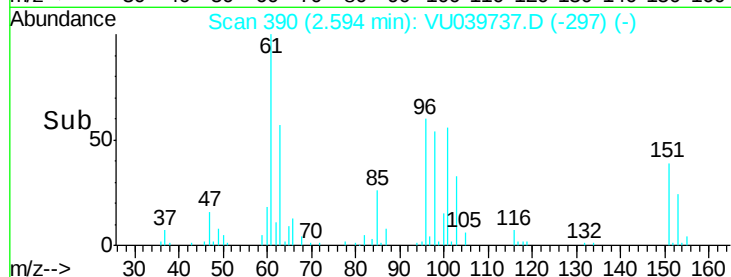
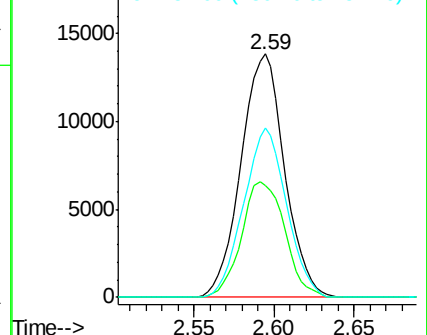
151 68.4 54.7 82.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.685 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU039737.D

Acq: 03 Aug 2020 14:03

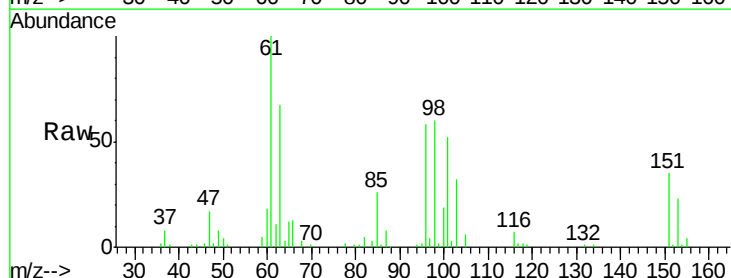
Tgt Ion: 96 Resp: 23096

Ion Ratio Lower Upper

96 100

61 173.8 121.7 225.9

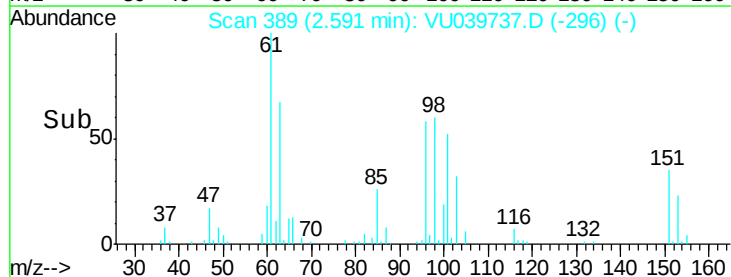
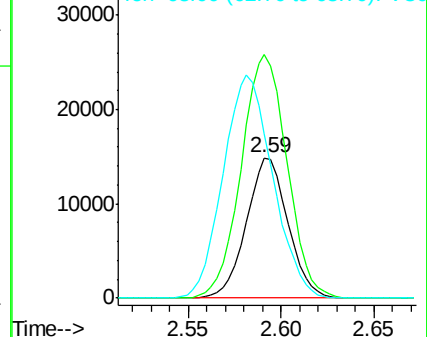
63 117.3 82.1 152.5

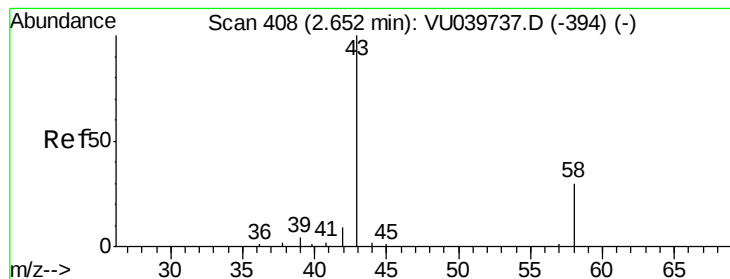


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 44.858 ug/L

RT: 2.65 min Scan# 408

Delta R.T. 0.00 min

Lab File: VU039737.D

Acq: 03 Aug 2020 14:03

Instrument :

MSVOA_U

ClientSampleId :

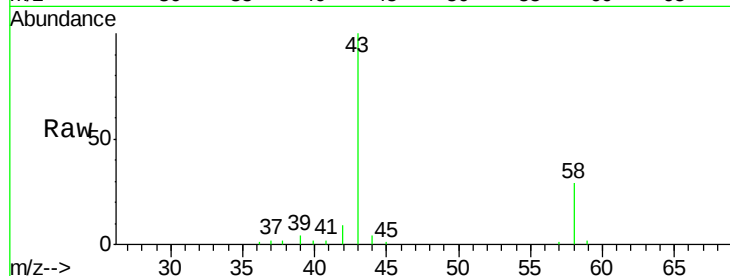
VSTD00503

Tgt Ion: 43 Resp: 51903

Ion Ratio Lower Upper

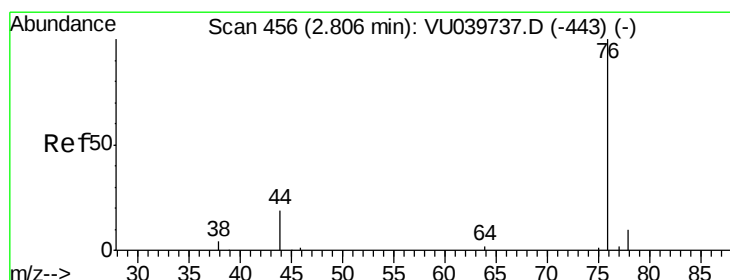
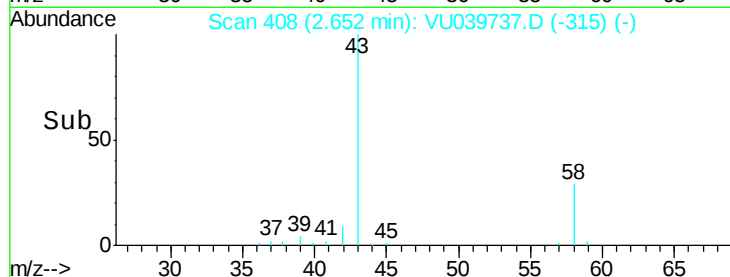
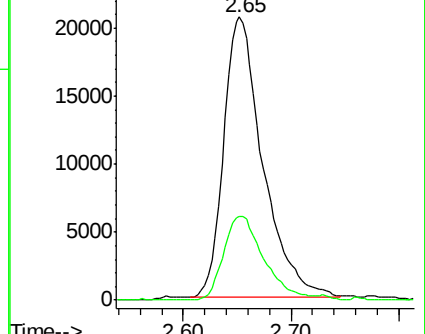
43 100

58 30.9 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU039737.D (-394) (-)

Ion 58.05 (57.75 to 58.75): VU039737.D (-394) (-)



#14

Carbon disulfide

Concen: 4.613 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU039737.D

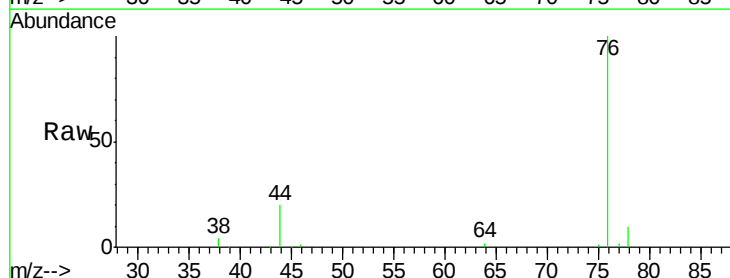
Acq: 03 Aug 2020 14:03

Tgt Ion: 76 Resp: 71110

Ion Ratio Lower Upper

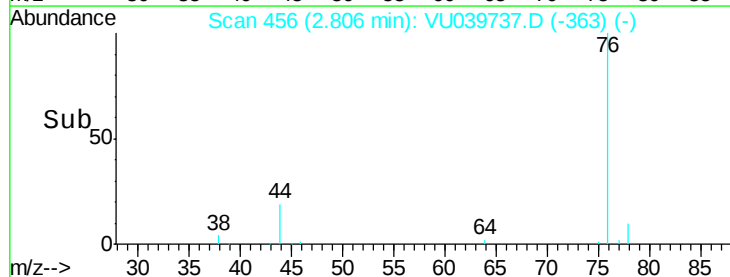
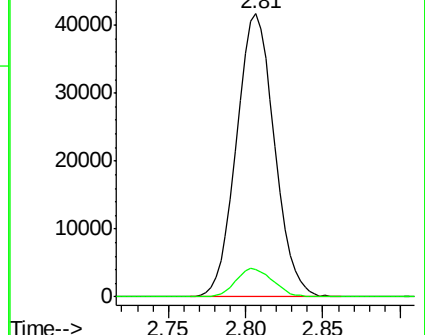
76 100

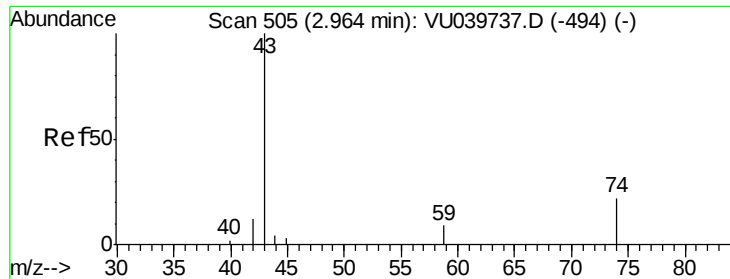
78 9.7 7.8 11.6



Abundance Ion 76.05 (75.75 to 76.75): VU039737.D (-443) (-)

Ion 78.00 (77.70 to 78.70): VU039737.D (-443) (-)

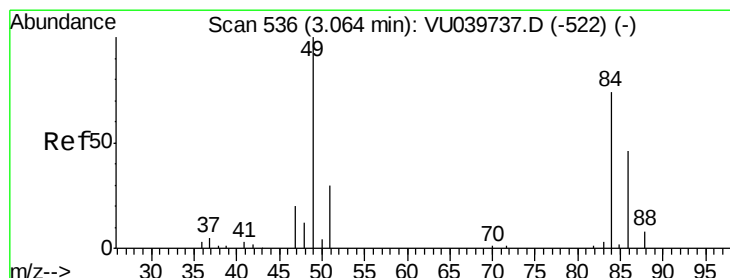
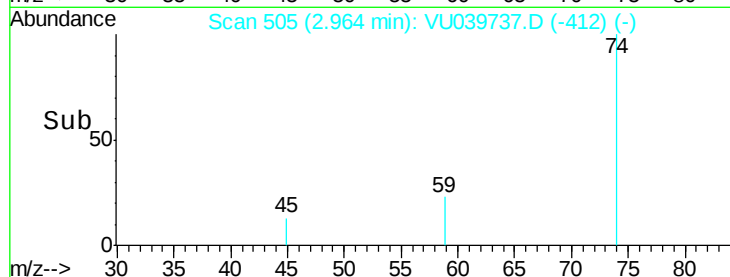
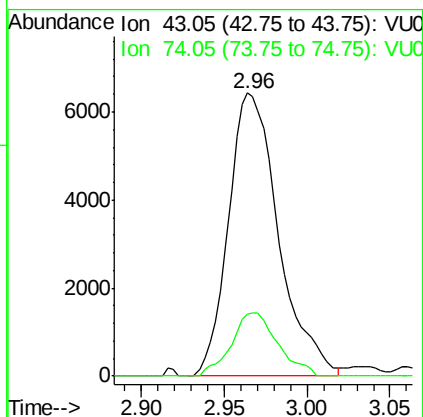
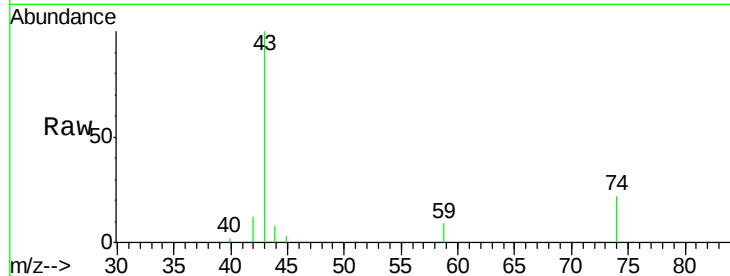




#15
Methyl Acetate
Concen: 4.730 ug/L
RT: 2.96 min Scan# 505
Delta R.T. 0.00 min
Lab File: VU039737.D
Acq: 03 Aug 2020 14:03

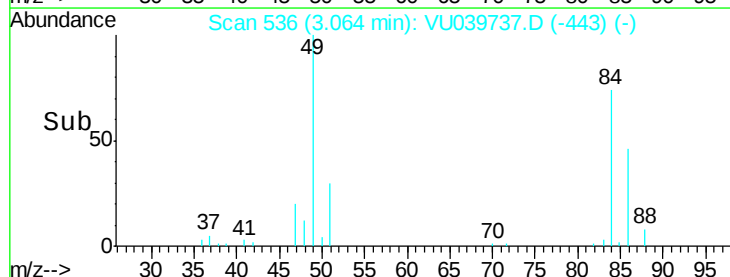
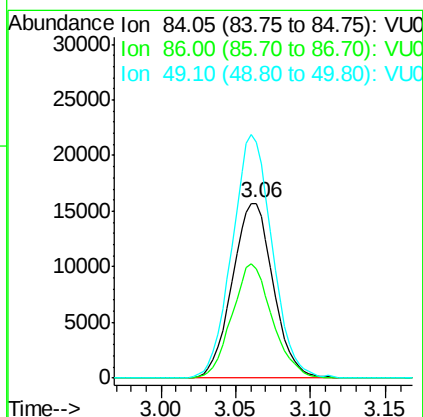
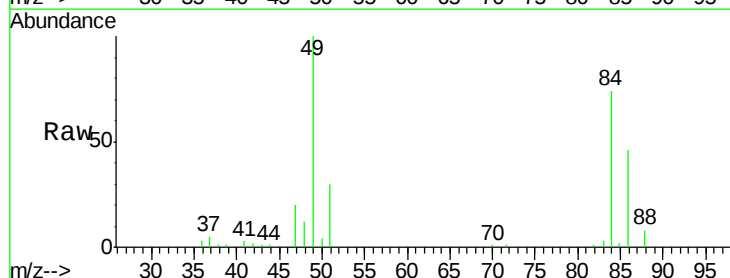
Instrument :
MSVOA_U
ClientSampleId :
VSTD00503

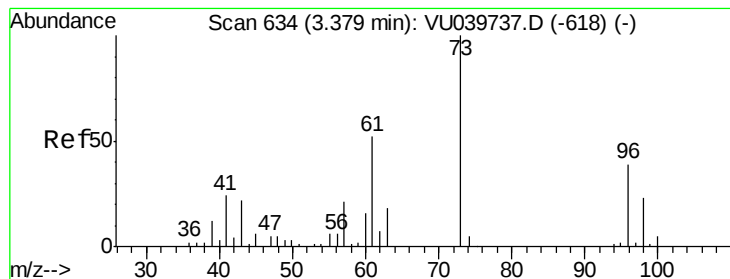
Tgt Ion: 43 Resp: 13499
Ion Ratio Lower Upper
43 100
74 20.8 16.6 25.0



#16
Methylene chloride
Concen: 3.768 ug/L
RT: 3.06 min Scan# 536
Delta R.T. 0.00 min
Lab File: VU039737.D
Acq: 03 Aug 2020 14:03

Tgt Ion: 84 Resp: 29947
Ion Ratio Lower Upper
84 100
86 62.7 43.9 81.5
49 134.9 94.4 175.4





#17

Methyl tert-butyl Ether

Concen: 4.847 ug/L

RT: 3.38 min Scan# 634

Delta R.T. 0.00 min

Lab File: VU039737.D

Acq: 03 Aug 2020 14:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD00503

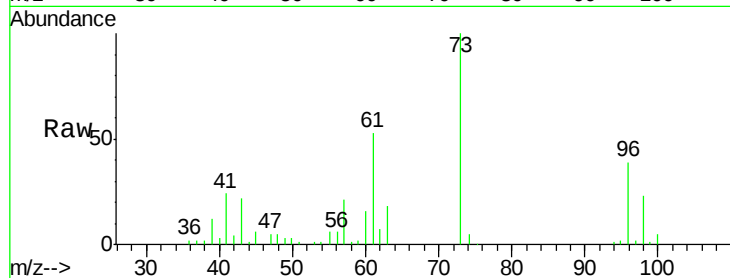
Tgt Ion: 73 Resp: 63447

Ion Ratio Lower Upper

73 100

43 22.8 18.2 27.4

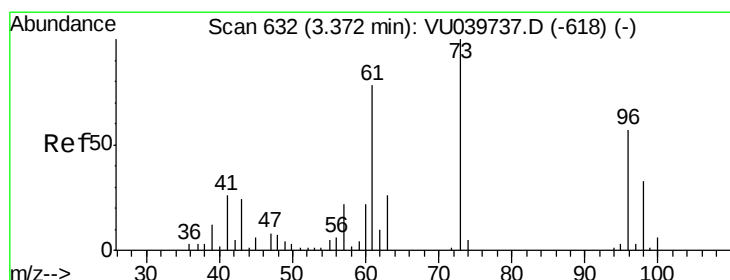
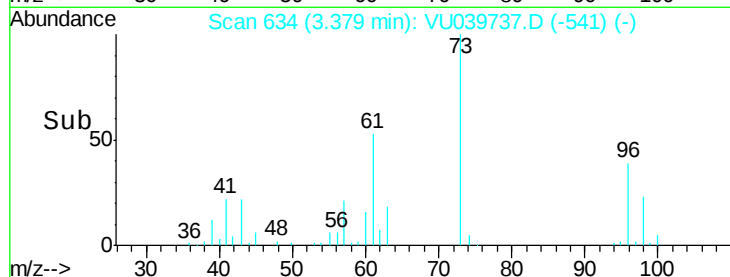
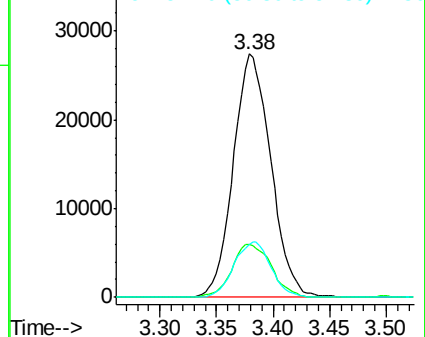
57 22.3 17.8 26.8



Abundance Ion 73.10 (72.80 to 73.80): VU039737.D (-618) (-)

Ion 43.05 (42.75 to 43.75): VU039737.D (-618) (-)

Ion 57.10 (56.80 to 57.80): VU039737.D (-618) (-)



#18

trans-1,2-Dichloroethene

Concen: 4.634 ug/L

RT: 3.37 min Scan# 632

Delta R.T. 0.00 min

Lab File: VU039737.D

Acq: 03 Aug 2020 14:03

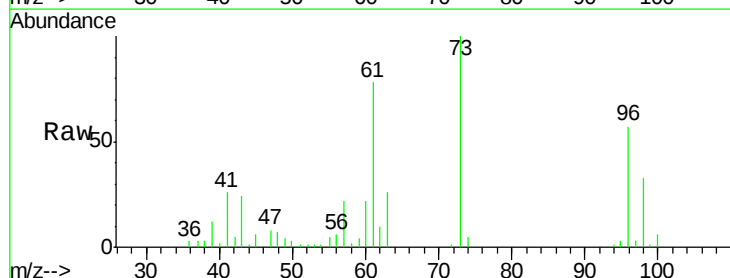
Tgt Ion: 96 Resp: 25431

Ion Ratio Lower Upper

96 100

61 137.8 96.5 179.1

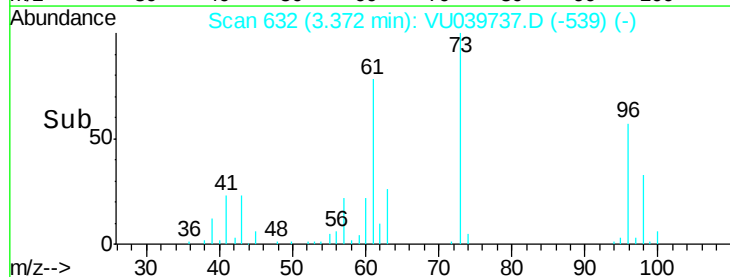
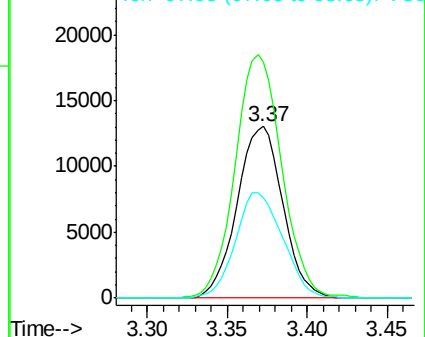
98 58.5 40.9 76.0

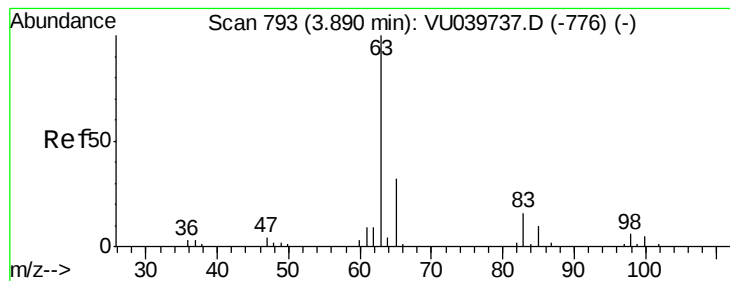


Abundance Ion 96.00 (95.70 to 96.70): VU039737.D (-618) (-)

Ion 61.05 (60.75 to 61.75): VU039737.D (-618) (-)

Ion 97.95 (97.65 to 98.65): VU039737.D (-618) (-)





#19

1,1-Dichloroethane

Concen: 4.740 ug/L

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU039737.D

Acq: 03 Aug 2020 14:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD00503

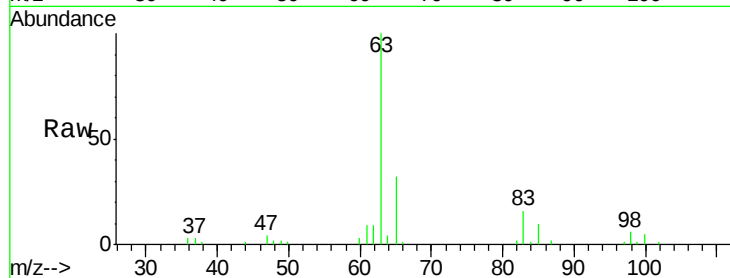
Tgt Ion: 63 Resp: 48029

Ion Ratio Lower Upper

63 100

65 31.5 22.0 41.0

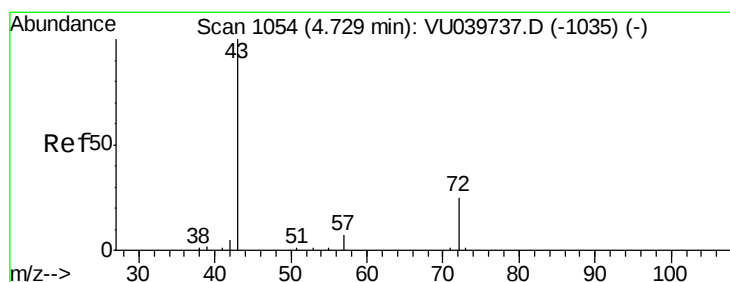
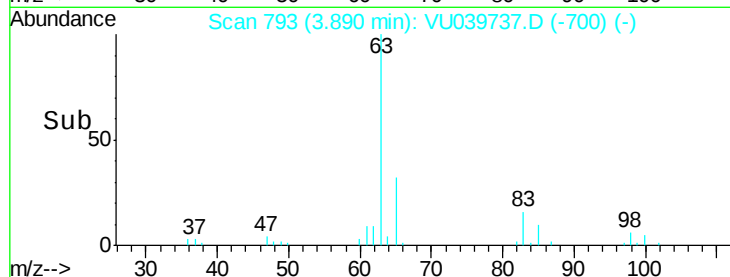
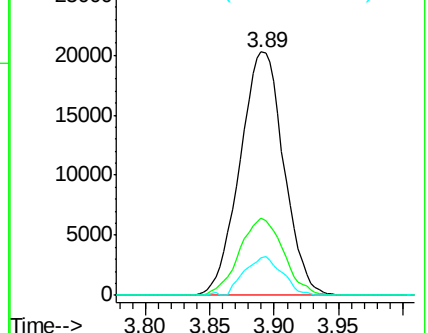
83 15.5 10.9 20.2



Abundance Ion 63.10 (62.80 to 63.80): VU039737.D (-776) (-)

Ion 65.10 (64.80 to 65.80): VU039737.D (-776) (-)

Ion 83.05 (82.75 to 83.75): VU039737.D (-776) (-)



#21

2-Butanone

Concen: 49.796 ug/L

RT: 4.73 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VU039737.D

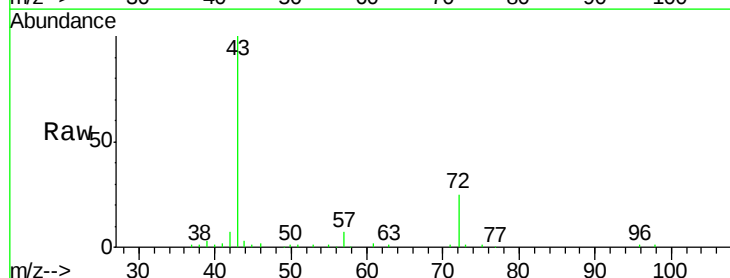
Acq: 03 Aug 2020 14:03

Tgt Ion: 43 Resp: 90797

Ion Ratio Lower Upper

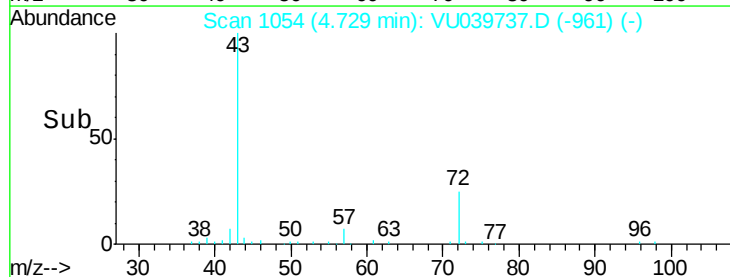
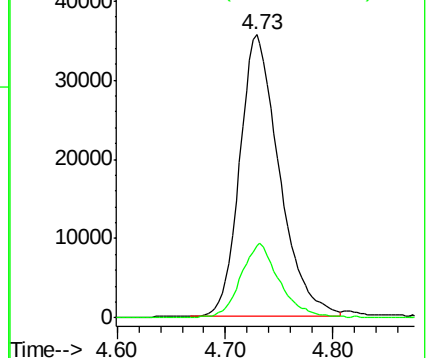
43 100

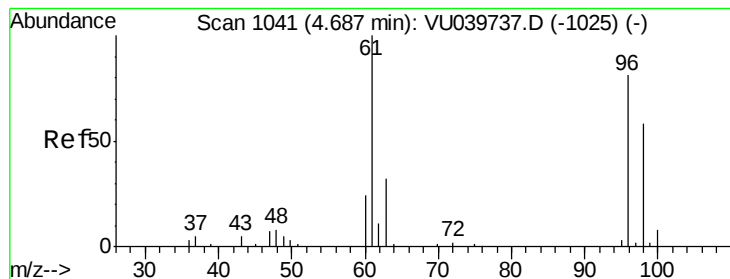
72 26.0 13.0 39.0



Abundance Ion 43.05 (42.75 to 43.75): VU039737.D (-1035) (-)

Ion 72.10 (71.80 to 72.80): VU039737.D (-1035) (-)





#22

cis-1,2-Dichloroethene

Concen: 4.925 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU039737.D

Acq: 03 Aug 2020 14:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD00503

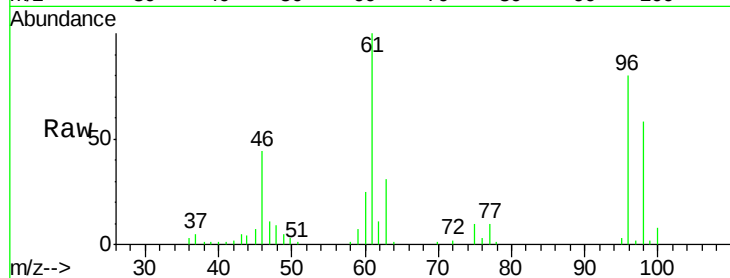
Tgt Ion: 96 Resp: 29396

Ion Ratio Lower Upper

96 100

61 124.8 87.4 162.2

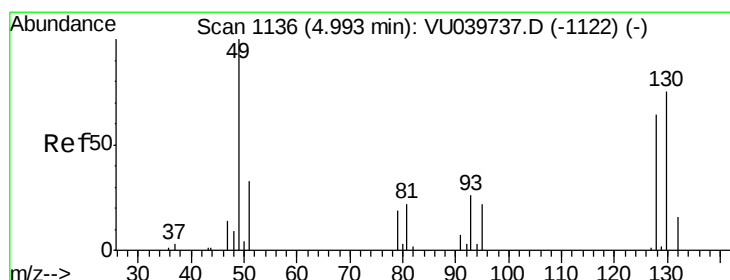
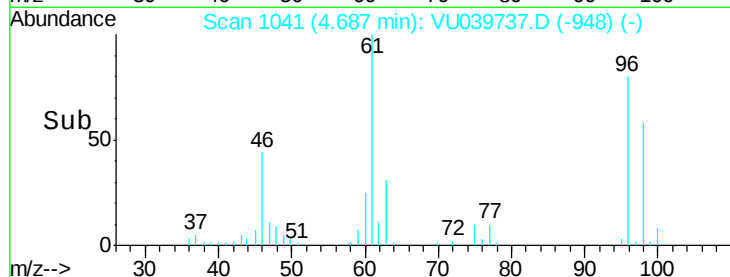
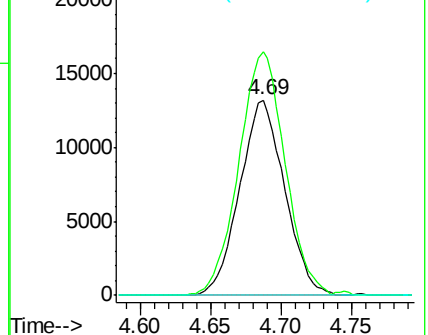
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039737.D (-1025) (-)

Ion 61.05 (60.75 to 61.75): VU039737.D (-1025) (-)

Ion 68.15 (67.85 to 68.85): VU039737.D (-1025) (-)



#23

Bromochloromethane

Concen: 5.036 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU039737.D

Acq: 03 Aug 2020 14:03

Tgt Ion: 128 Resp: 14118

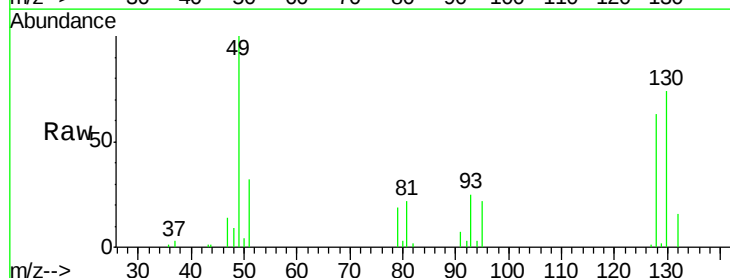
Ion Ratio Lower Upper

128 100

49 157.6 110.3 204.9

130 117.2 82.0 152.4

51 51.0 40.8 61.2

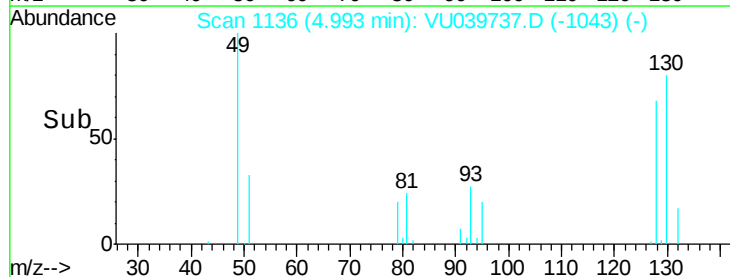
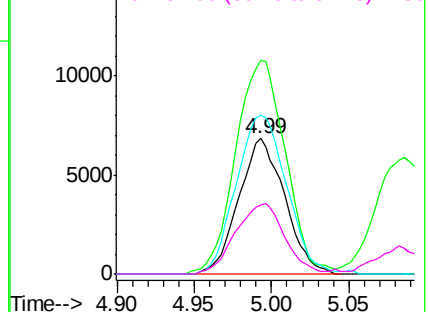


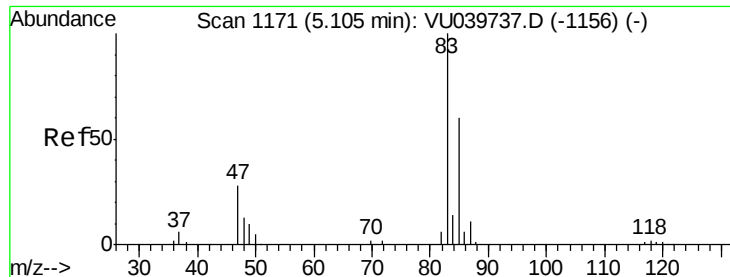
Abundance Ion 127.90 (127.60 to 128.60): VU039737.D (-1122) (-)

Ion 49.10 (48.80 to 49.80): VU039737.D (-1122) (-)

Ion 129.95 (129.65 to 130.65): VU039737.D (-1122) (-)

Ion 51.05 (50.75 to 51.75): VU039737.D (-1122) (-)

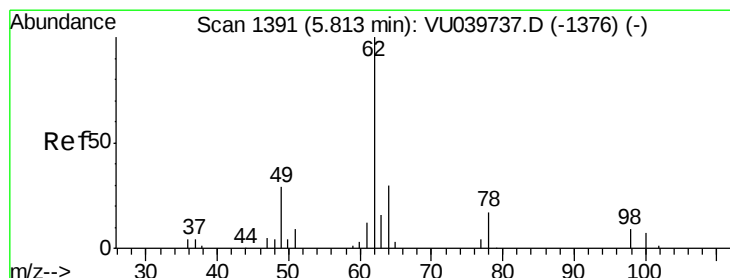
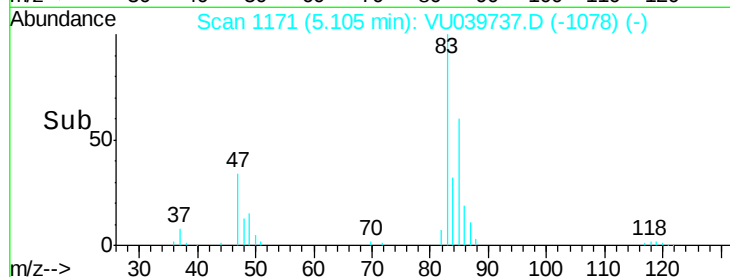
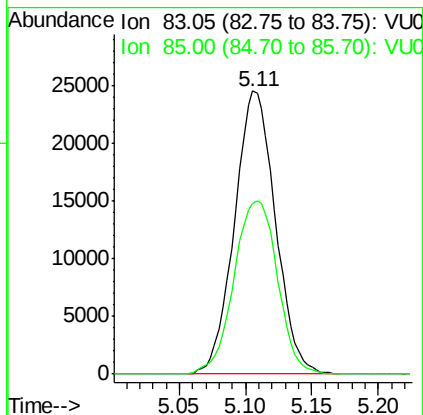
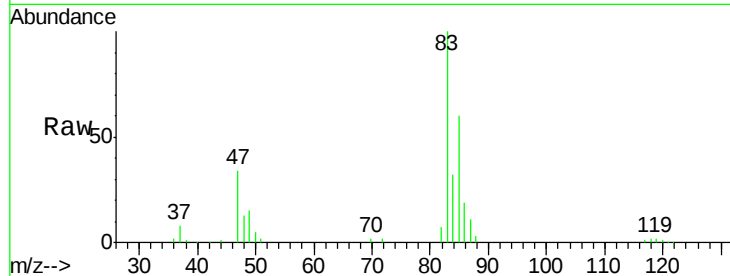




#25
Chloroform
Concen: 4.831 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU039737.D
Acq: 03 Aug 2020 14:03

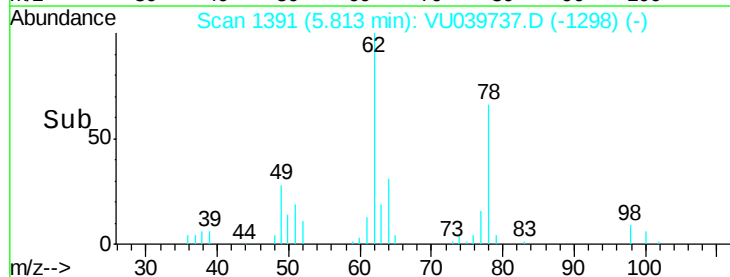
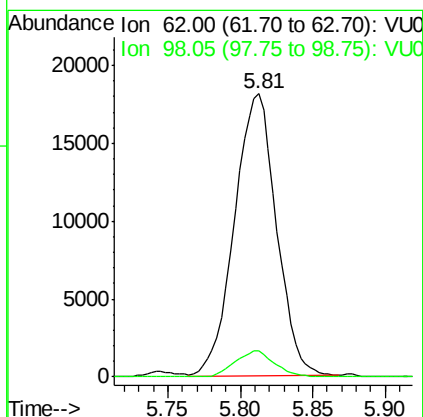
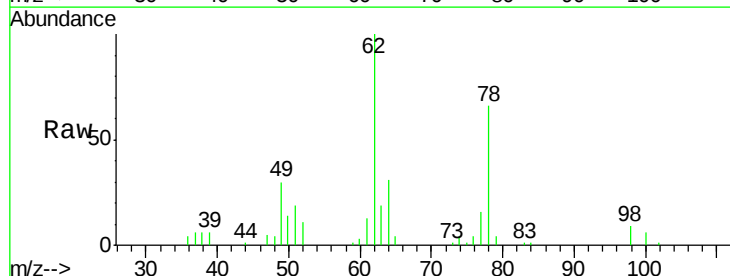
Instrument :
MSVOA_U
ClientSampled :
VSTD00503

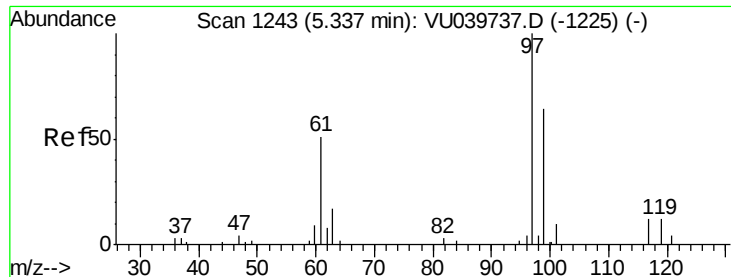
Tgt Ion: 83 Resp: 52614
Ion Ratio Lower Upper
83 100
85 60.2 42.1 78.3



#27
1,2-Dichloroethane
Concen: 4.843 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VU039737.D
Acq: 03 Aug 2020 14:03

Tgt Ion: 62 Resp: 36348
Ion Ratio Lower Upper
62 100
98 9.1 7.3 10.9

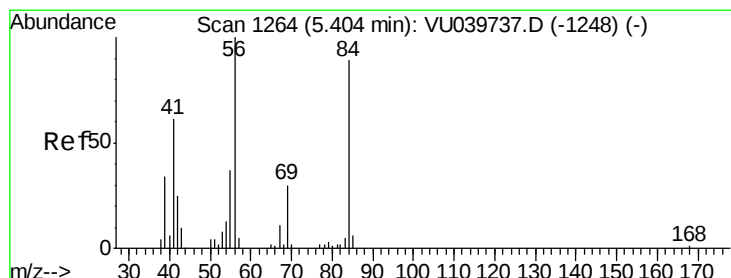
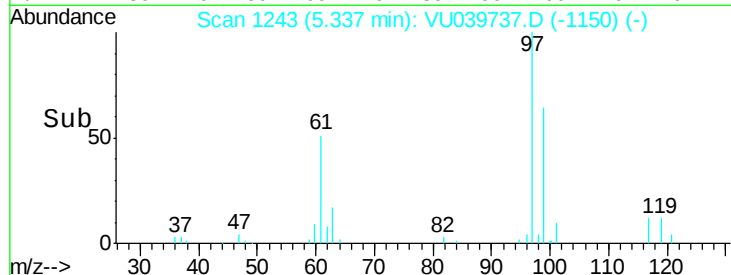
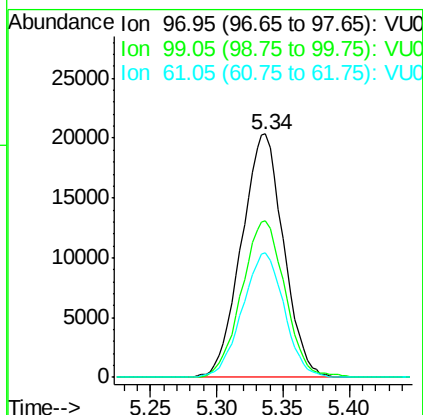
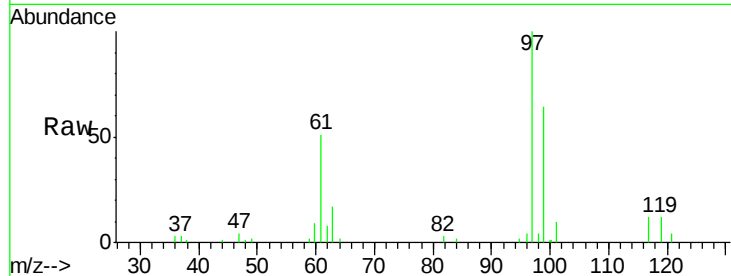




#29
 1,1,1-Trichloroethane
 Concen: 4.951 ug/L
 RT: 5.34 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: VU039737.D
 Acq: 03 Aug 2020 14:03

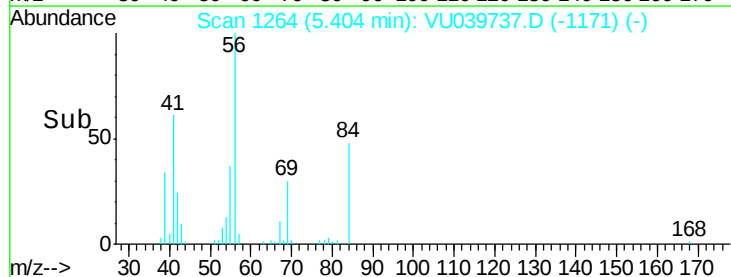
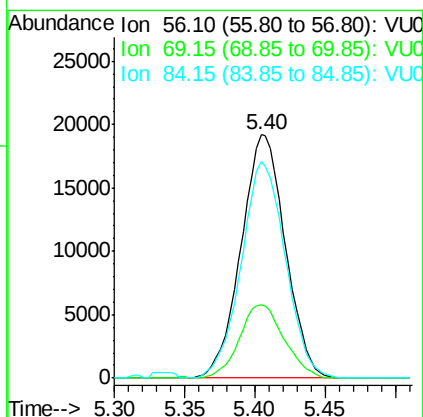
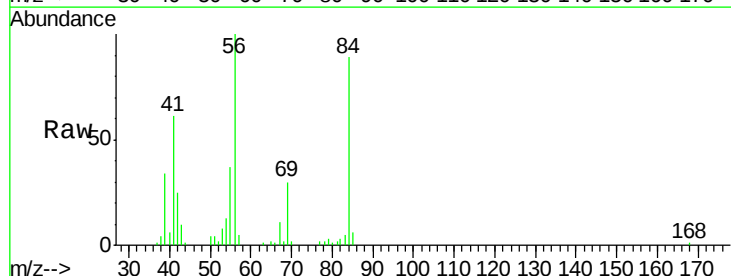
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00503

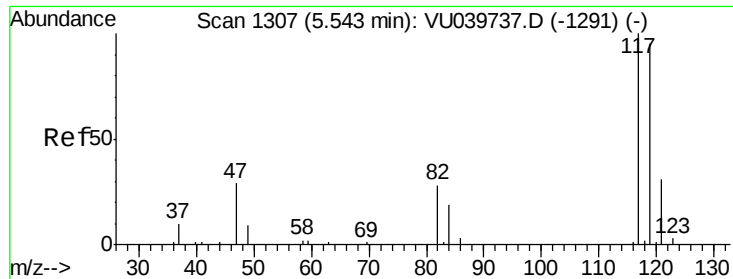
Tgt Ion: 97 Resp: 45006
 Ion Ratio Lower Upper
 97 100
 99 66.0 52.8 79.2
 61 50.6 40.5 60.7



#30
 Cyclohexane
 Concen: 4.810 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: VU039737.D
 Acq: 03 Aug 2020 14:03

Tgt Ion: 56 Resp: 42072
 Ion Ratio Lower Upper
 56 100
 69 30.5 24.4 36.6
 84 89.1 71.3 106.9

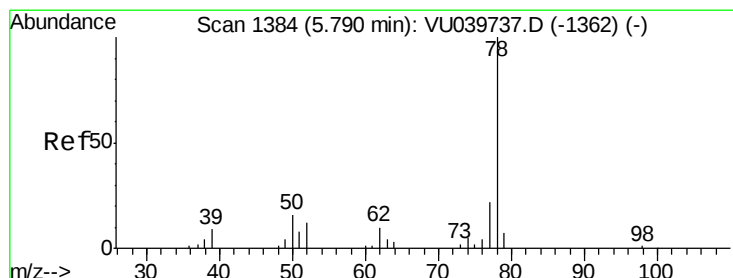
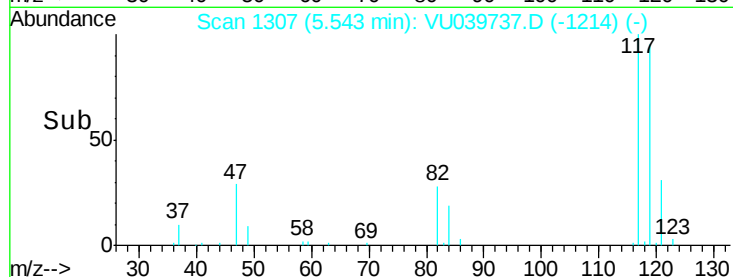
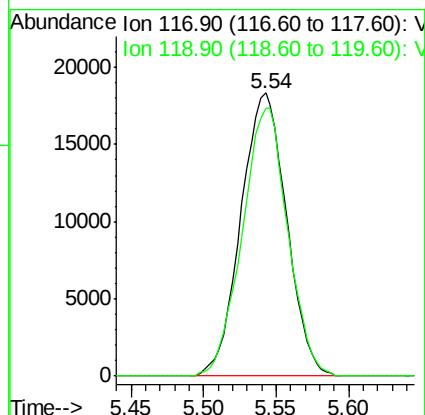
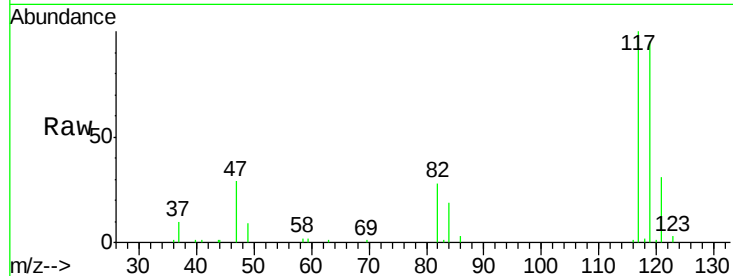




#31
Carbon tetrachloride
Concen: 4.813 ug/L
RT: 5.54 min Scan# 1307
Delta R.T. 0.00 min
Lab File: VU039737.D
Acq: 03 Aug 2020 14:03

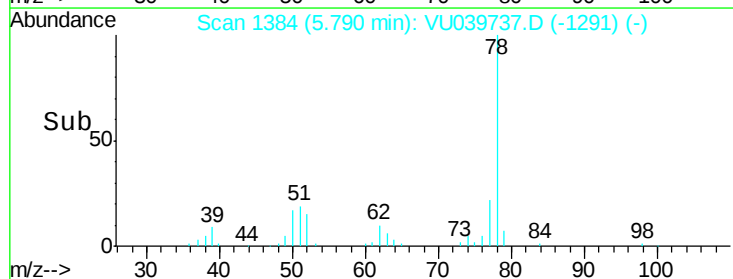
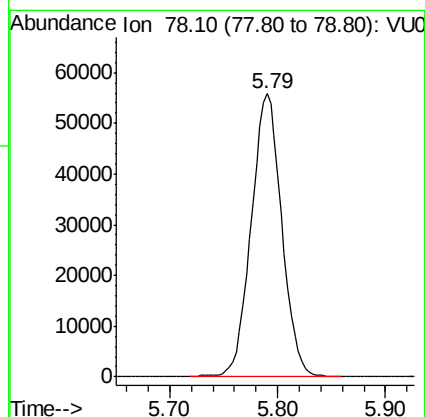
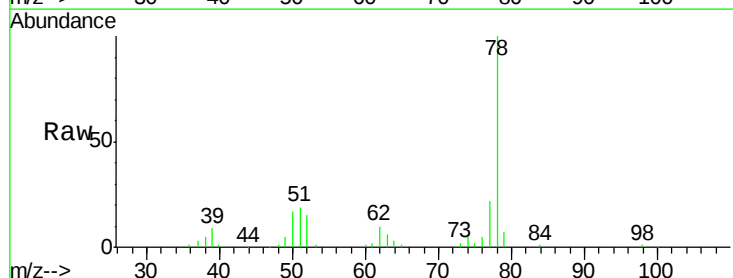
Instrument :
MSVOA_U
ClientSampleId :
VSTD00503

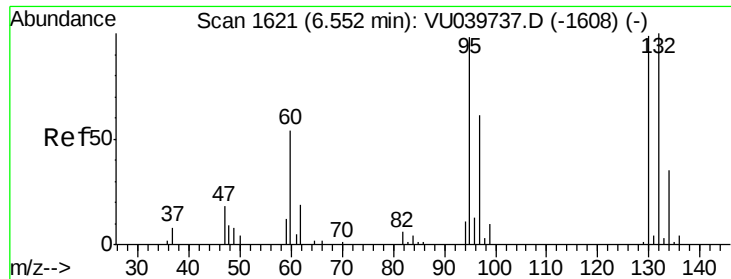
Tgt Ion:117 Resp: 40148
Ion Ratio Lower Upper
117 100
119 94.4 75.5 113.3



#33
Benzene
Concen: 4.944 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU039737.D
Acq: 03 Aug 2020 14:03

Tgt Ion: 78 Resp: 109785

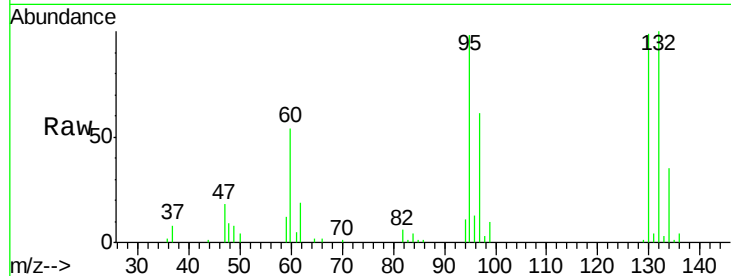




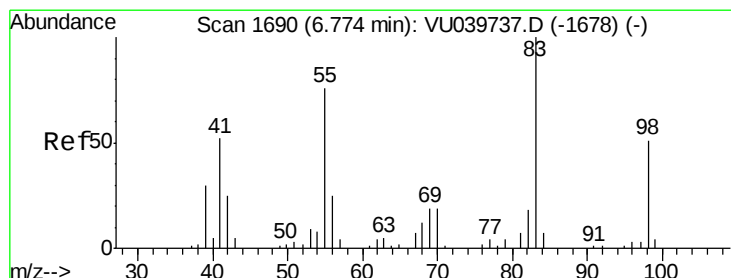
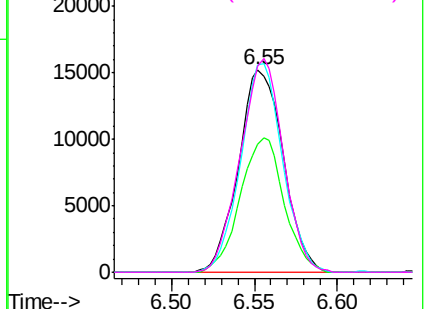
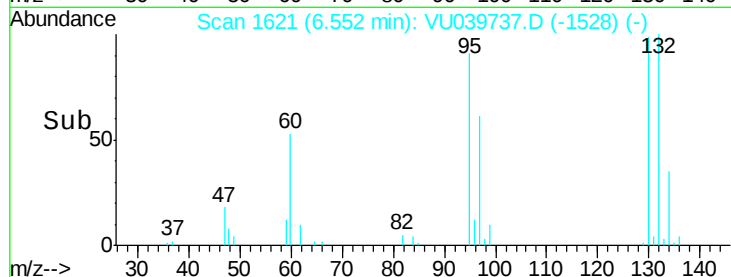
#34
 Trichloroethene
 Concen: 4.983 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU039737.D
 Acq: 03 Aug 2020 14:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00503

Tgt Ion: 95 Resp: 28732
 Ion Ratio Lower Upper
 95 100
 97 62.9 44.0 81.8
 132 102.5 71.7 133.3
 130 101.6 71.1 132.1

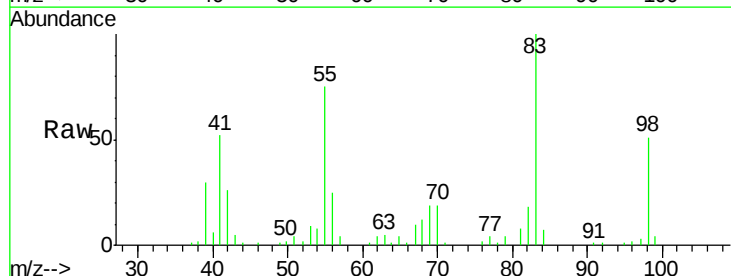


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

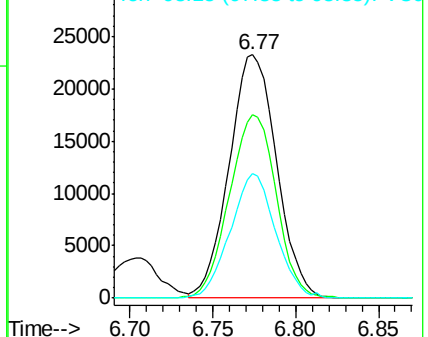
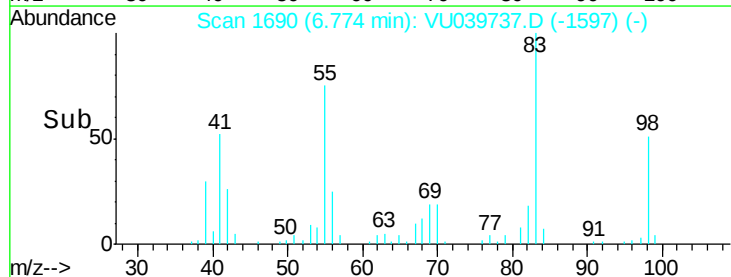


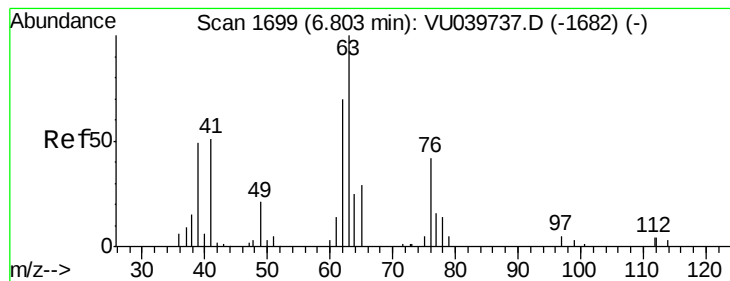
#35
 Methylcyclohexane
 Concen: 5.036 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: VU039737.D
 Acq: 03 Aug 2020 14:03

Tgt Ion: 83 Resp: 46347
 Ion Ratio Lower Upper
 83 100
 55 74.2 59.4 89.0
 98 48.7 39.0 58.4



Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 4.848 ug/L

RT: 6.80 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VU039737.D

Acq: 03 Aug 2020 14:03

Instrument :

MSVOA_U

ClientSampleId :

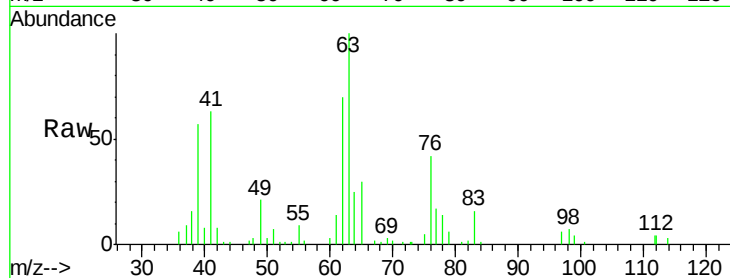
VSTD00503

Tgt Ion: 63 Resp: 28589

Ion Ratio Lower Upper

63 100

112 4.7 3.8 5.6



Abundance Ion 63.10 (62.80 to 63.80): VU039737.D (-1682) (-)

Ion 112.10 (111.80 to 112.80): VU039737.D (-1682) (-)

6.80

15000

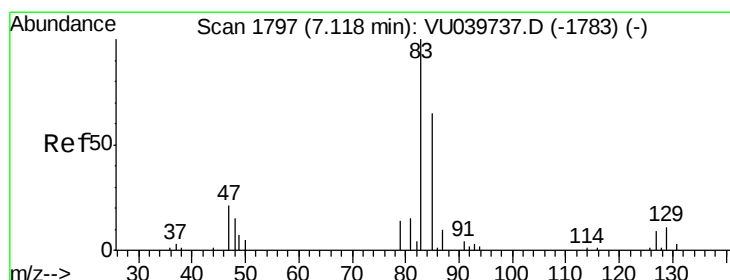
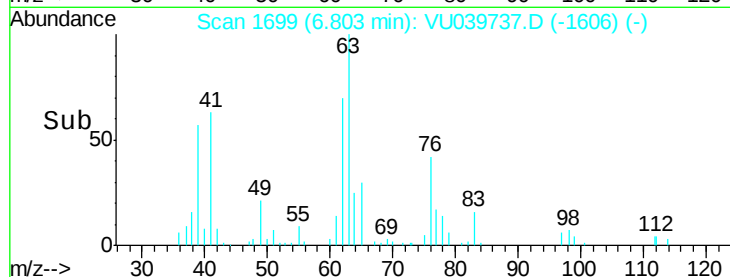
10000

5000

0

6.70 6.75 6.80 6.85

Time-->



#38

Bromodichloromethane

Concen: 4.801 ug/L

RT: 7.12 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VU039737.D

Acq: 03 Aug 2020 14:03

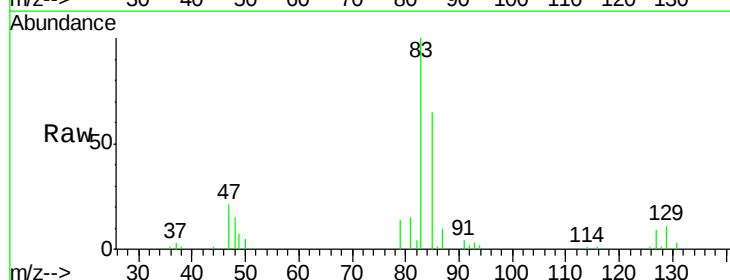
Tgt Ion: 83 Resp: 37041

Ion Ratio Lower Upper

83 100

85 64.7 45.3 84.1

127 9.4 7.5 11.3



Abundance Ion 82.95 (82.65 to 83.65): VU039737.D (-1783) (-)

Ion 85.00 (84.70 to 85.70): VU039737.D (-1783) (-)

Ion 126.90 (126.60 to 127.60): VU039737.D (-1783) (-)

7.12

25000

20000

15000

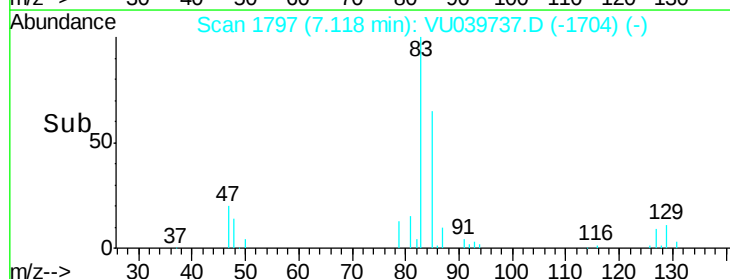
10000

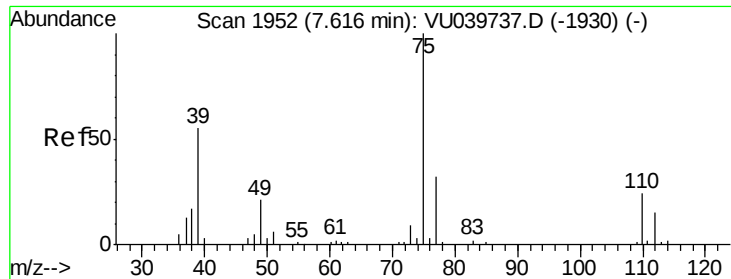
5000

0

7.05 7.10 7.15 7.20

Time-->

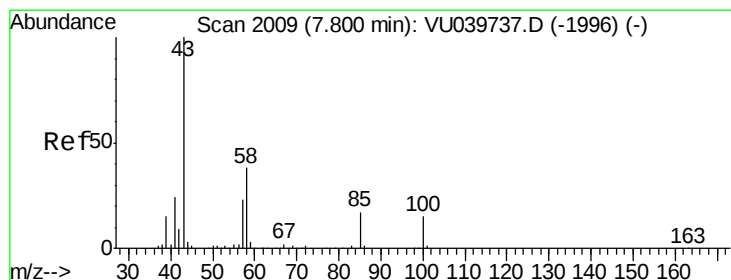
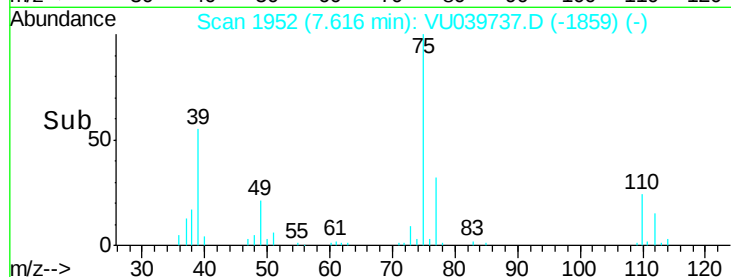
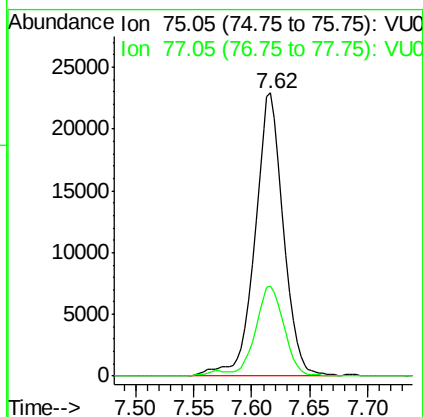
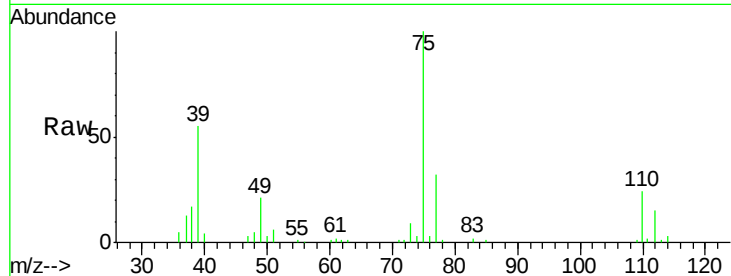




#39
 cis-1,3-Dichloropropene
 Concen: 4.883 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU039737.D
 Acq: 03 Aug 2020 14:03

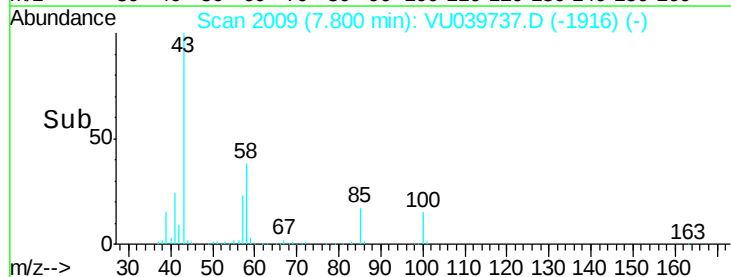
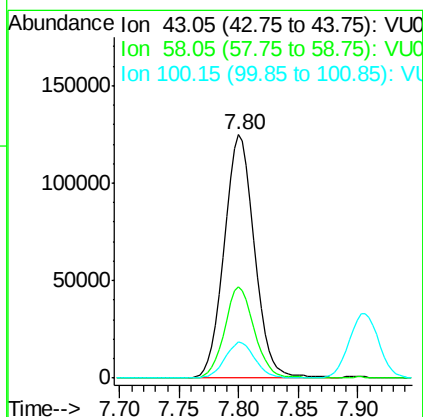
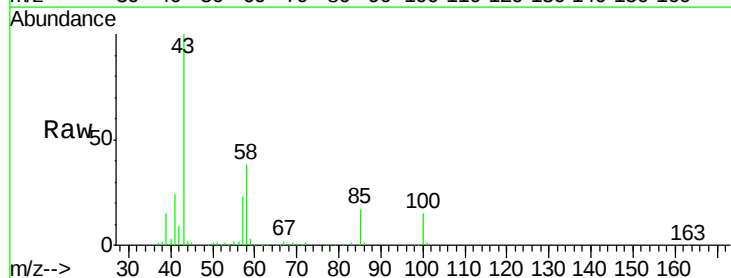
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00503

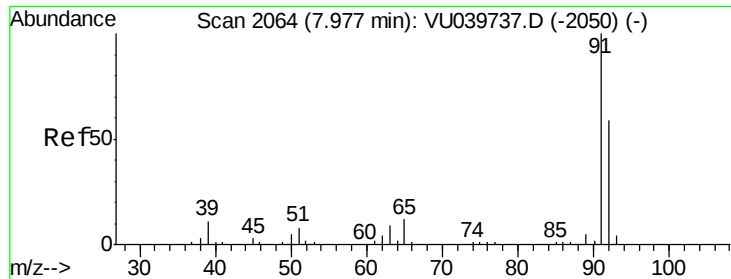
Tgt Ion: 75 Resp: 39276
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 50.021 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU039737.D
 Acq: 03 Aug 2020 14:03

Tgt Ion: 43 Resp: 220447
 Ion Ratio Lower Upper
 43 100
 58 36.8 29.4 44.2
 100 14.6 11.7 17.5





#42

Toluene

Concen: 4.900 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU039737.D

Acq: 03 Aug 2020 14:03

Instrument :

MSVOA_U

ClientSampleId :

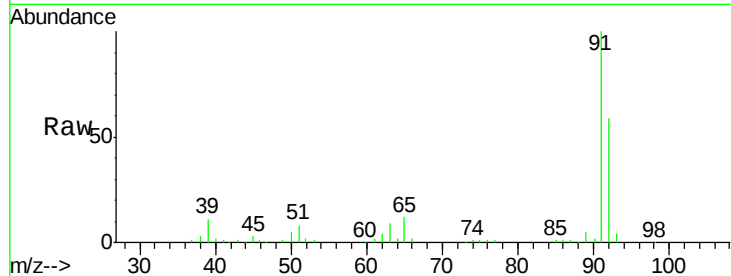
VSTD00503

Tgt Ion: 91 Resp: 114330

Ion Ratio Lower Upper

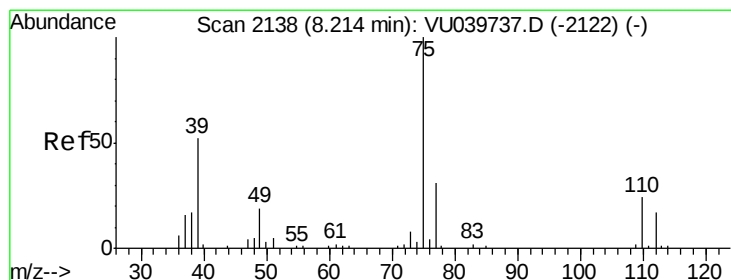
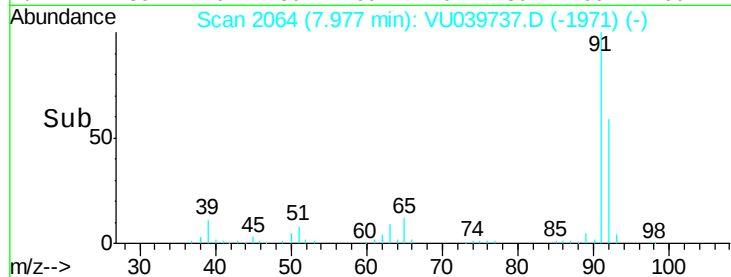
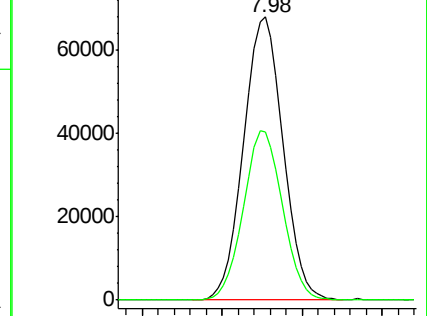
91 100

92 59.5 41.6 77.3



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: 5.075 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU039737.D

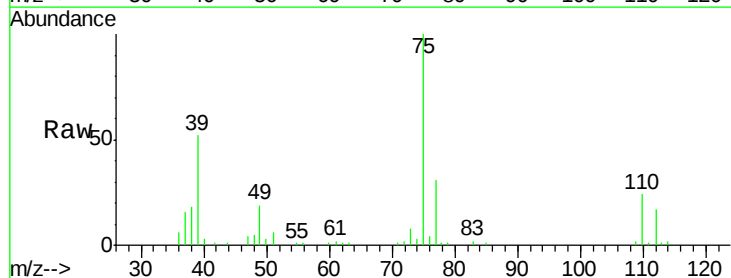
Acq: 03 Aug 2020 14:03

Tgt Ion: 75 Resp: 36774

Ion Ratio Lower Upper

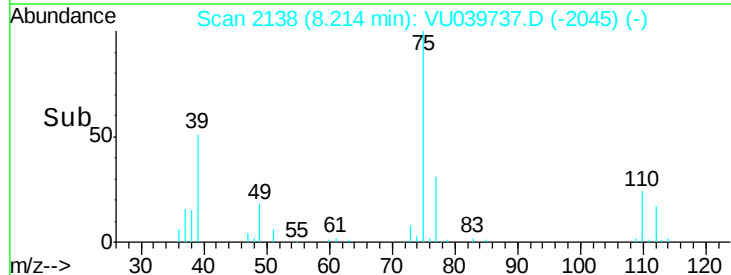
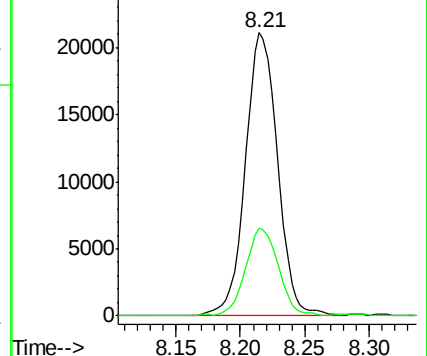
75 100

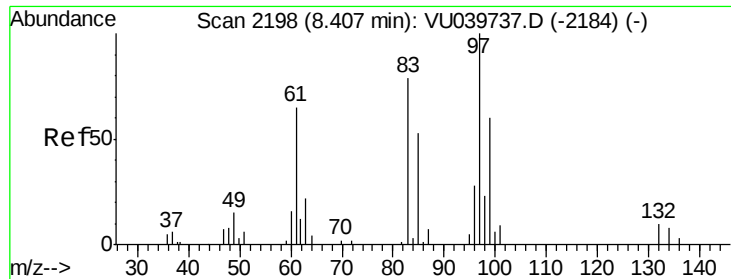
77 30.9 21.6 40.2



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

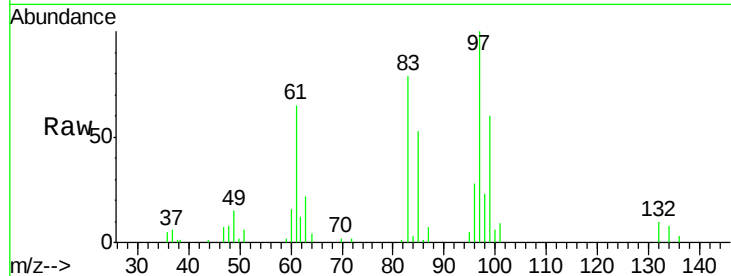




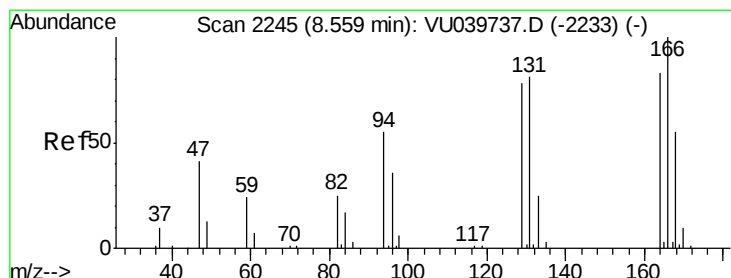
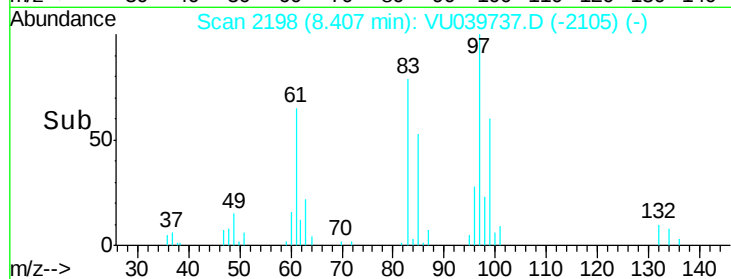
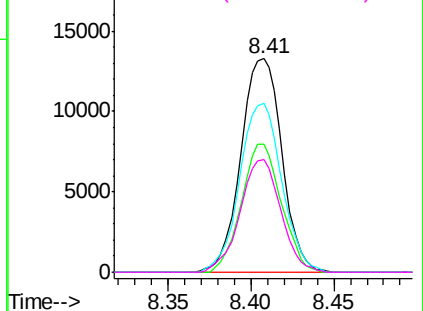
#45
 1,1,2-Trichloroethane
 Concen: 5.166 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU039737.D
 Acq: 03 Aug 2020 14:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00503

Tgt Ion:	97	Resp:	22914
Ion	Ratio	Lower	Upper
97	100		
99	60.0	42.0	78.0
83	78.8	55.2	102.4
85	52.8	37.0	68.6

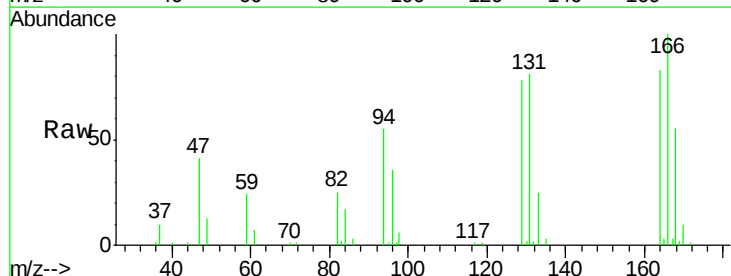


Abundance Ion 96.95 (96.65 to 97.65): VU039737.D (-2198) (-)

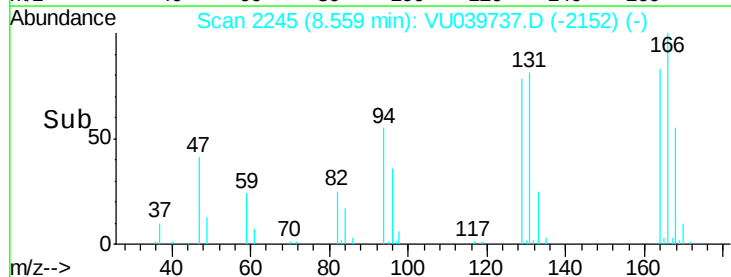
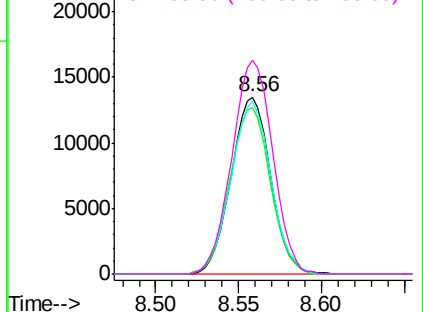


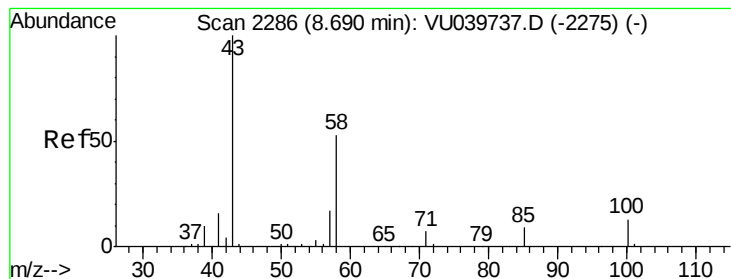
#47
 Tetrachloroethene
 Concen: 4.706 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU039737.D
 Acq: 03 Aug 2020 14:03

Tgt Ion:	164	Resp:	22385
Ion	Ratio	Lower	Upper
164	100		
129	94.2	65.9	122.5
131	97.3	68.1	126.5
166	120.7	84.5	156.9



Abundance Ion 163.90 (163.60 to 164.60): VU039737.D (-2245) (-)





#48

2-Hexanone

Concen: 50.712 ug/L

RT: 8.69 min Scan# 2286

Delta R.T. 0.00 min

Lab File: VU039737.D

Acq: 03 Aug 2020 14:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD00503

Tgt Ion: 43 Resp: 161387

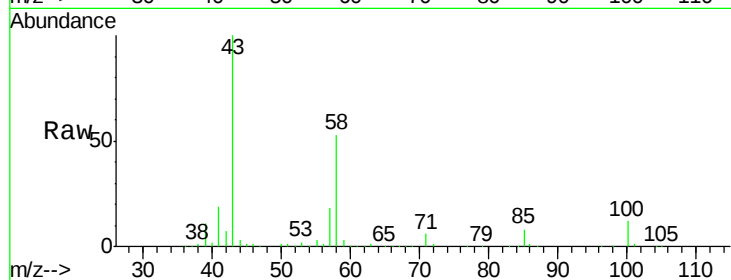
Ion Ratio Lower Upper

43 100

58 52.3 41.8 62.8

57 17.8 14.2 21.4

100 11.8 9.4 14.2

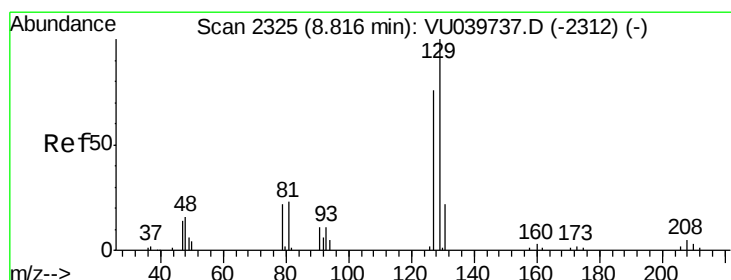
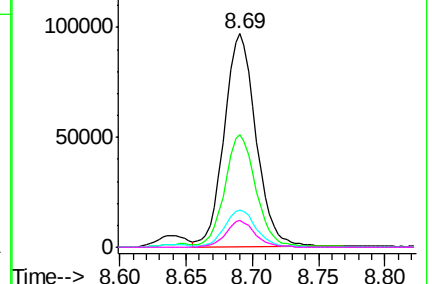
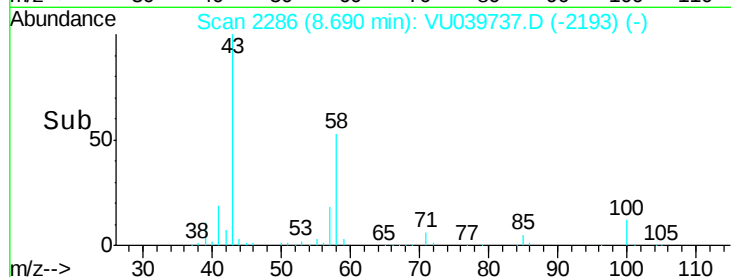


Abundance Ion 43.05 (42.75 to 43.75): VU039737.D (-2275) (-)

Ion 58.05 (57.75 to 58.75): VU039737.D (-2275) (-)

Ion 57.20 (56.90 to 57.90): VU039737.D (-2275) (-)

Ion 100.15 (99.85 to 100.85): VU039737.D (-2275) (-)



#49

Dibromochloromethane

Concen: 4.990 ug/L

RT: 8.82 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VU039737.D

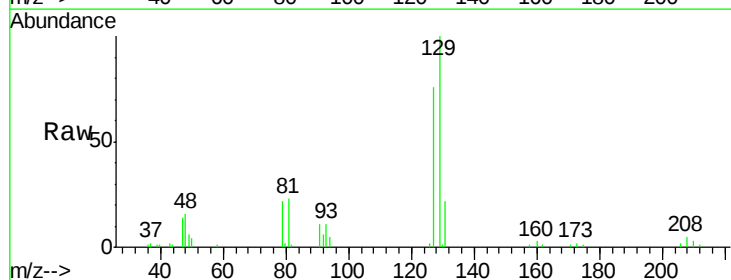
Acq: 03 Aug 2020 14:03

Tgt Ion: 129 Resp: 27162

Ion Ratio Lower Upper

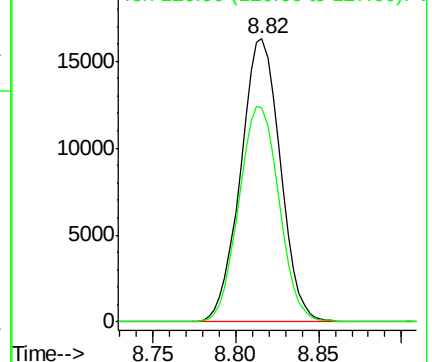
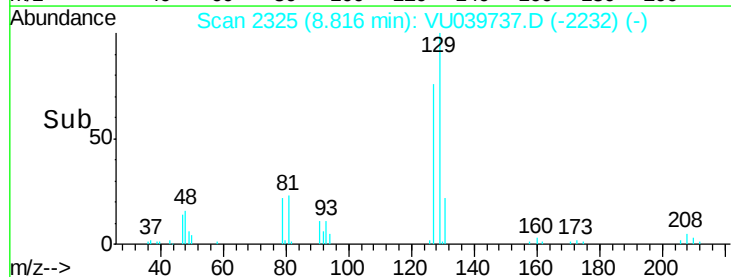
129 100

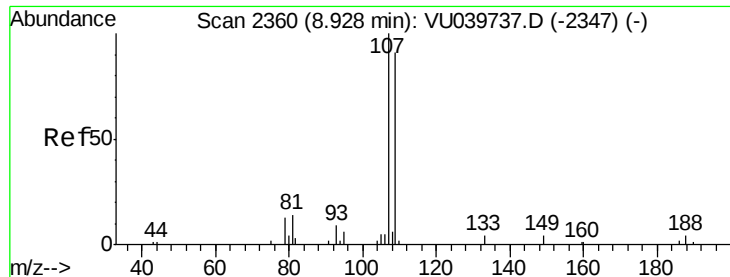
127 75.7 53.0 98.4



Abundance Ion 128.95 (128.65 to 129.65): VU039737.D (-2312) (-)

Ion 126.90 (126.60 to 127.60): VU039737.D (-2312) (-)

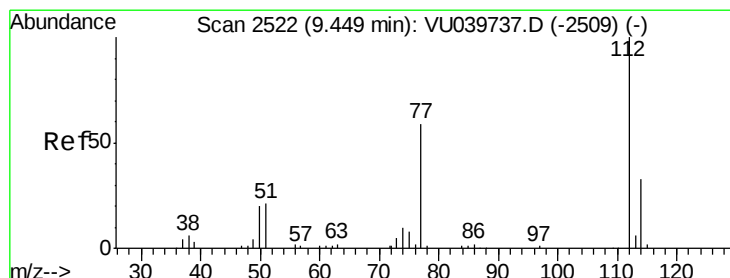
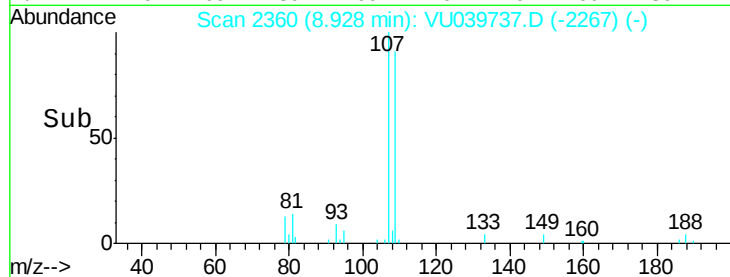
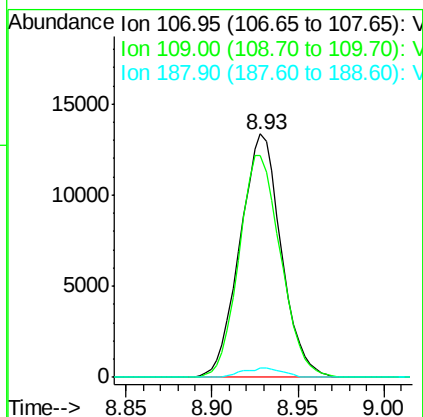
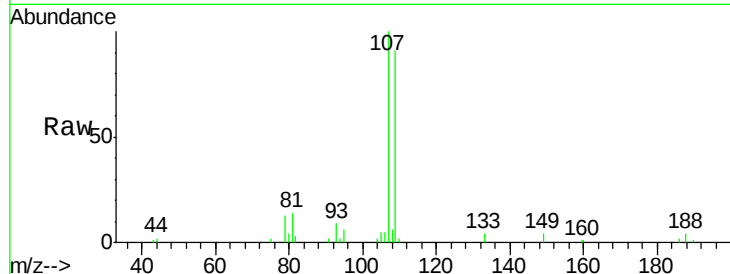




#50
1,2-Dibromoethane
Concen: 5.108 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. 0.00 min
Lab File: VU039737.D
Acq: 03 Aug 2020 14:03

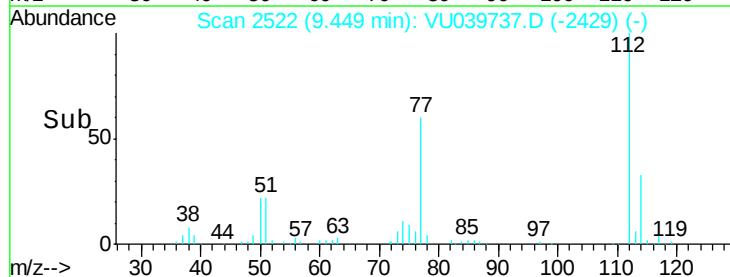
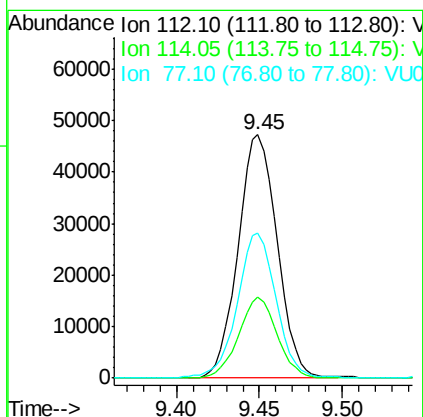
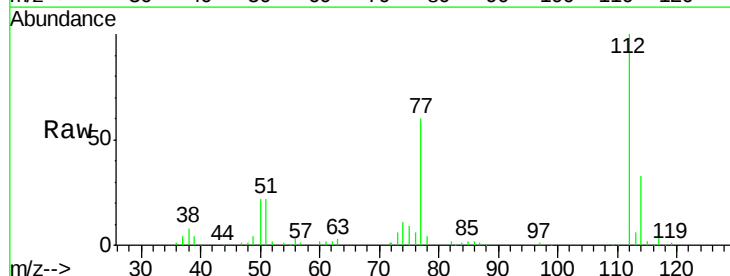
Instrument :
MSVOA_U
ClientSampleId :
VSTD00503

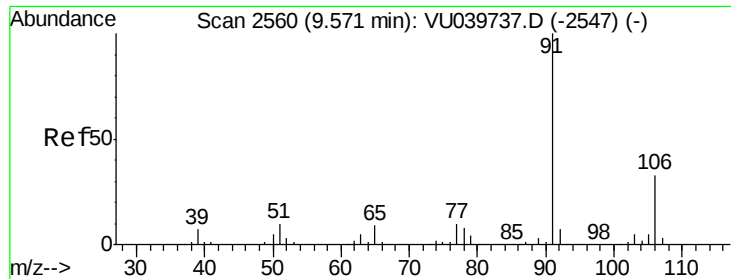
Tgt Ion:107 Resp: 22218
Ion Ratio Lower Upper
107 100
109 91.3 63.9 118.7
188 3.6 2.9 4.3



#51
Chlorobenzene
Concen: 4.937 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU039737.D
Acq: 03 Aug 2020 14:03

Tgt Ion:112 Resp: 77408
Ion Ratio Lower Upper
112 100
114 33.1 23.2 43.0
77 59.7 47.8 71.6





#52

Ethylbenzene

Concen: 4.943 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU039737.D

Acq: 03 Aug 2020 14:03

Instrument :

MSVOA_U

ClientSampleId :

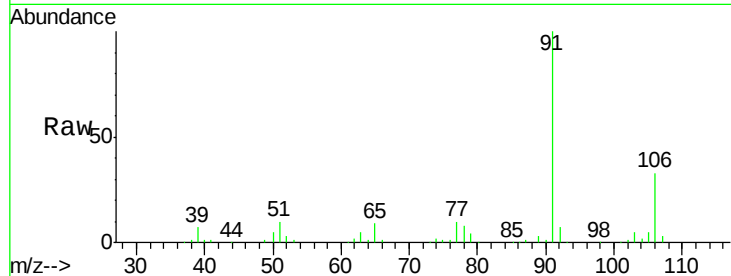
VSTD00503

Tgt Ion: 91 Resp: 129076

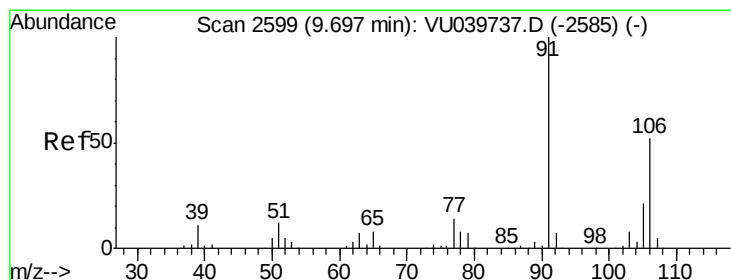
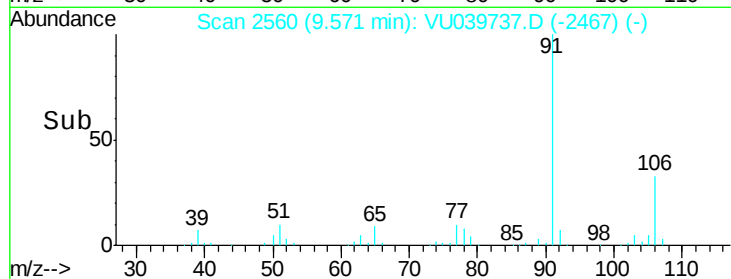
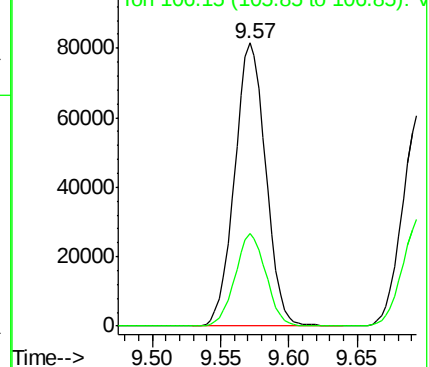
Ion Ratio Lower Upper

91 100

106 32.6 22.8 42.4



Abundance Ion 91.15 (90.85 to 91.85): VU039737.D (-2547) (-)



#53

m,p-Xylene

Concen: 5.132 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU039737.D

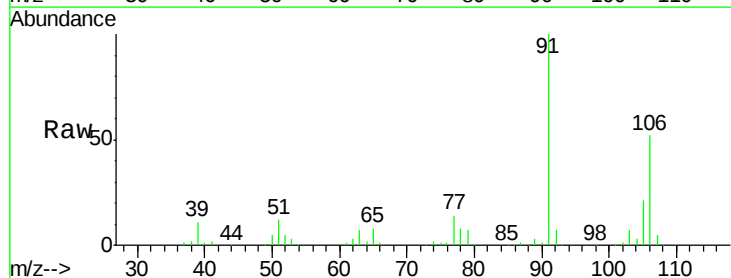
Acq: 03 Aug 2020 14:03

Tgt Ion: 106 Resp: 51034

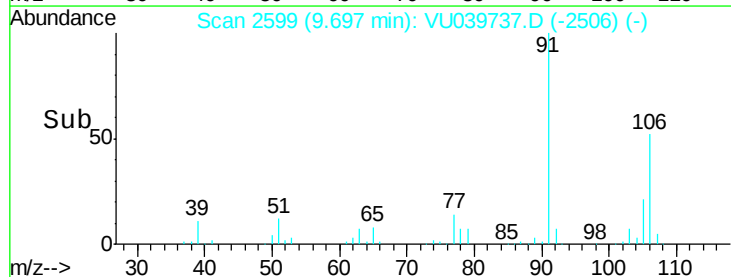
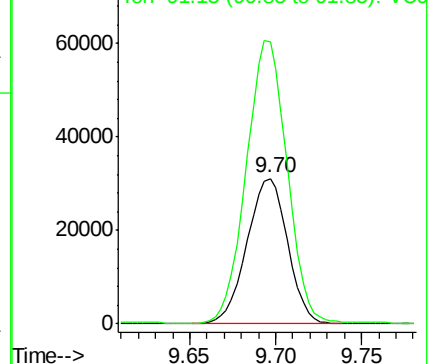
Ion Ratio Lower Upper

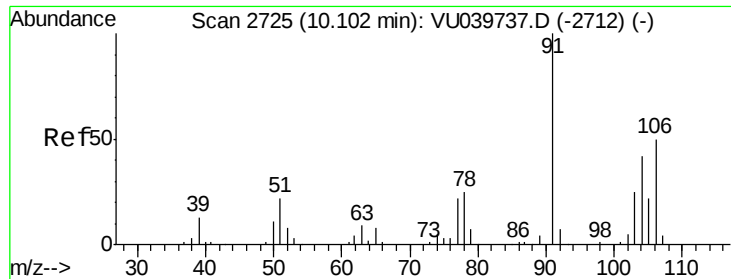
106 100

91 193.6 135.5 251.7



Abundance Ion 106.15 (105.85 to 106.85): VU039737.D (-2599) (-)

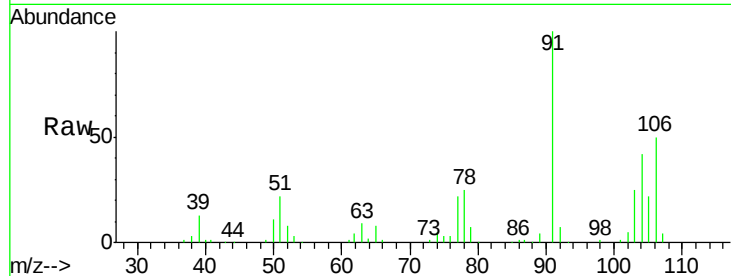




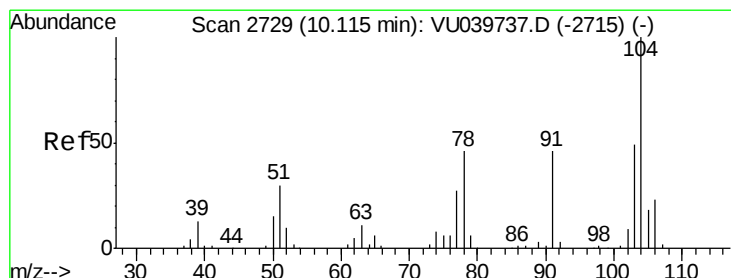
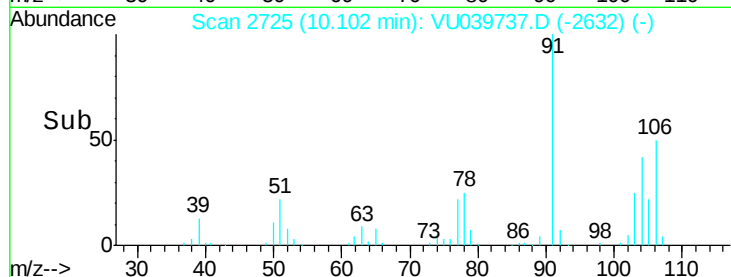
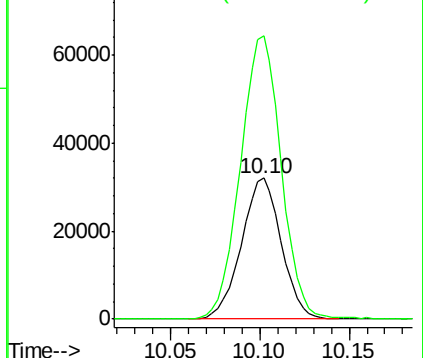
#54
o-Xylene
Concen: 5.128 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU039737.D
Acq: 03 Aug 2020 14:03

Instrument :
MSVOA_U
ClientSampleId :
VSTD00503

Tgt Ion:106 Resp: 49936
Ion Ratio Lower Upper
106 100
91 201.2 140.8 261.6

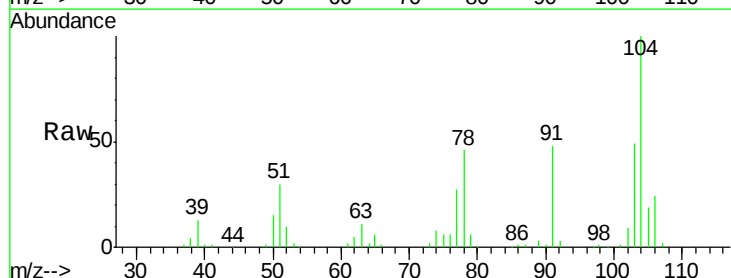


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

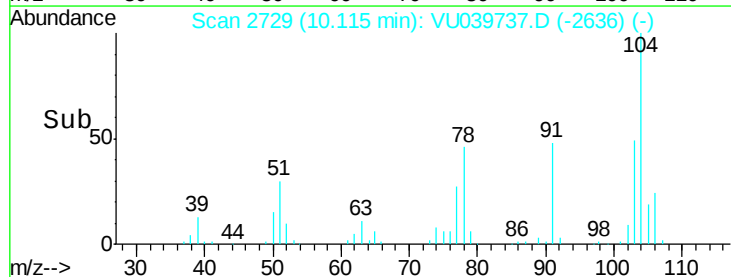
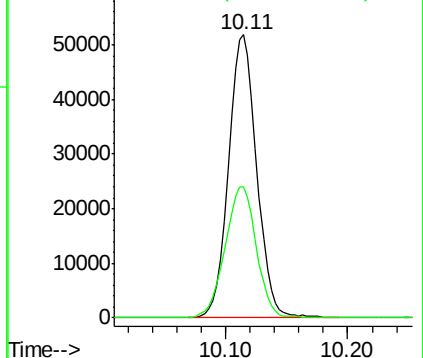


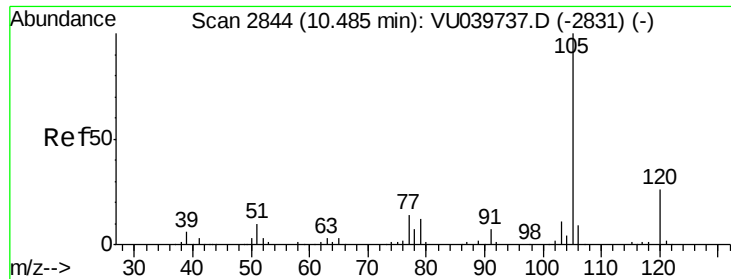
#55
Styrene
Concen: 5.098 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU039737.D
Acq: 03 Aug 2020 14:03

Tgt Ion:104 Resp: 83603
Ion Ratio Lower Upper
104 100
78 46.2 32.3 60.1



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





#56

Isopropylbenzene

Concen: 5.032 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU039737.D

Acq: 03 Aug 2020 14:03

Instrument :

MSVOA_U

ClientSampled :

VSTD00503

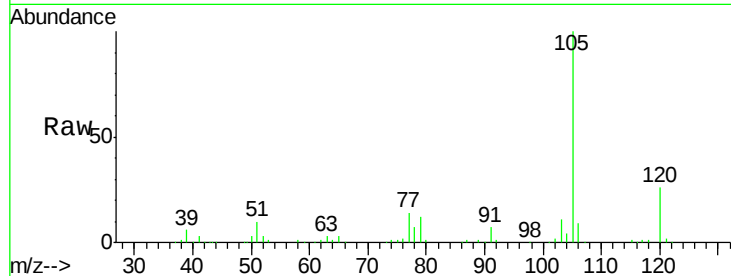
Tgt Ion: 105 Resp: 130973

Ion Ratio Lower Upper

105 100

120 26.3 21.0 31.6

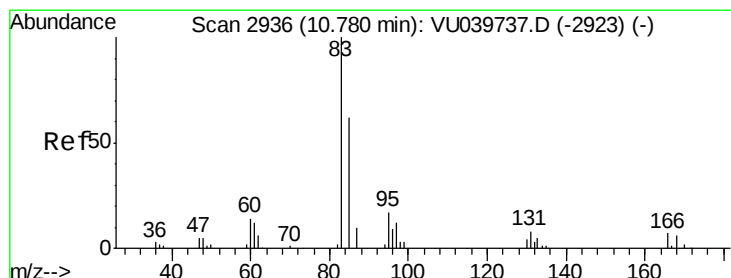
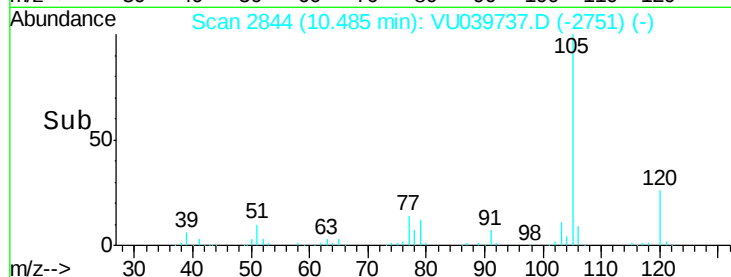
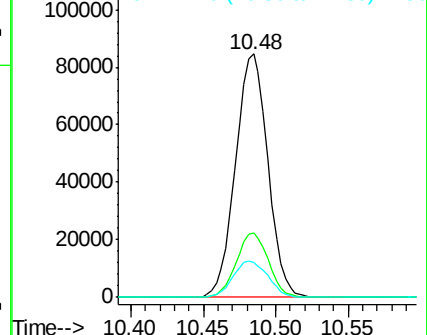
77 16.1 12.9 19.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.911 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU039737.D

Acq: 03 Aug 2020 14:03

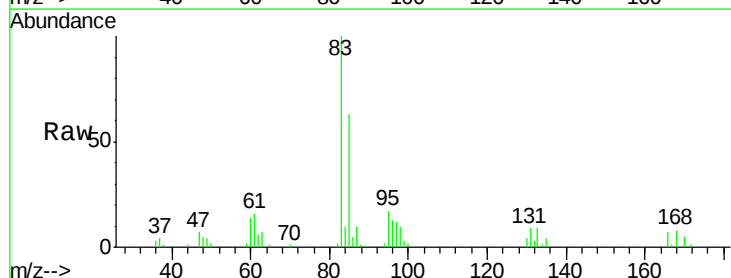
Tgt Ion: 83 Resp: 29970

Ion Ratio Lower Upper

83 100

85 63.4 44.4 82.4

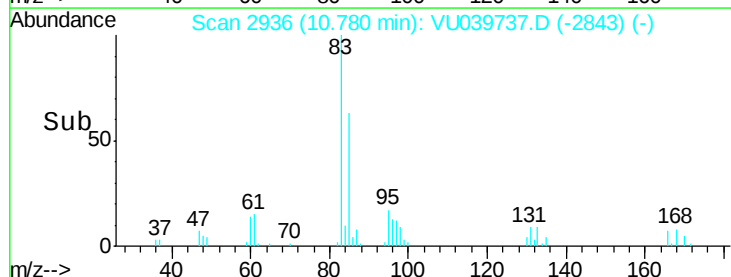
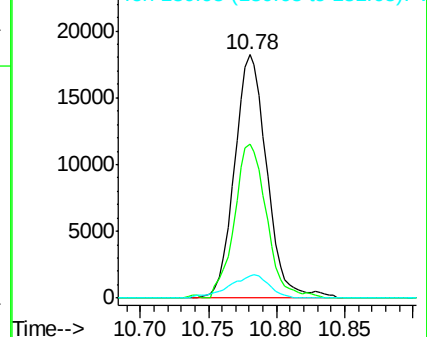
131 9.2 7.4 11.0

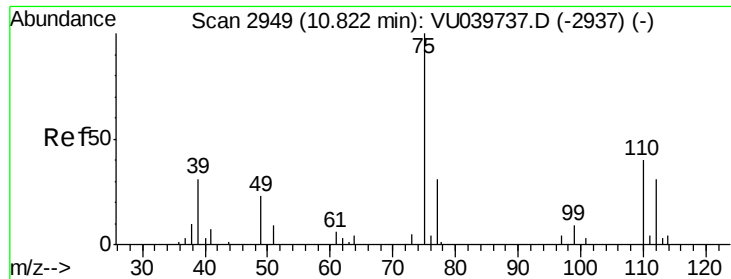


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.952 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU039737.D

Acq: 03 Aug 2020 14:03

Instrument :

MSVOA_U

ClientSampleId :

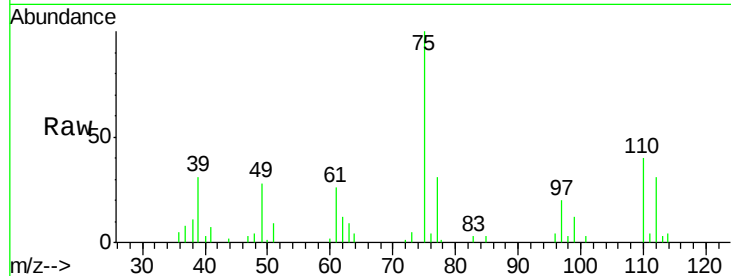
VSTD00503

Tgt Ion: 75 Resp: 21066

Ion Ratio Lower Upper

75 100

77 30.8 24.6 37.0



Abundance Ion 75.00 (74.70 to 75.70): VU039737.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU039737.D (-2937) (-)

10.82

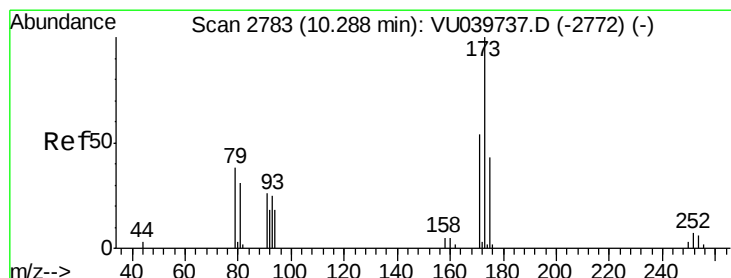
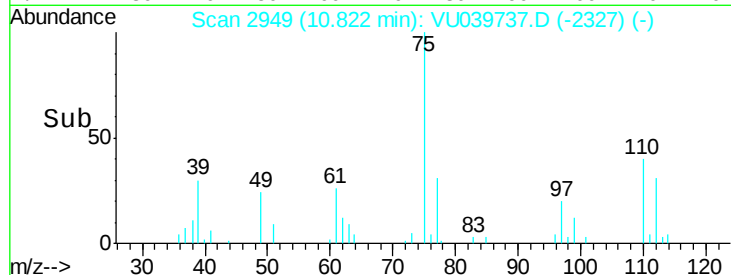
15000

10000

5000

0

Time-->



#61

Bromoform

Concen: 4.915 ug/L

RT: 10.29 min Scan# 2783

Delta R.T. 0.00 min

Lab File: VU039737.D

Acq: 03 Aug 2020 14:03

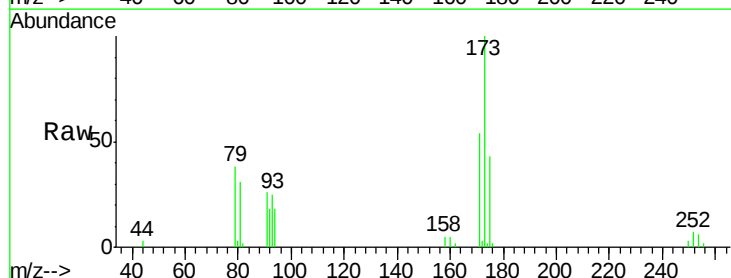
Tgt Ion: 173 Resp: 14630

Ion Ratio Lower Upper

173 100

175 42.3 33.8 50.8

254 6.9 5.5 8.3



Abundance Ion 172.90 (172.60 to 173.60): VU039737.D (-2772) (-)

Ion 174.90 (174.60 to 175.60): VU039737.D (-2772) (-)

Ion 253.75 (253.45 to 254.45): VU039737.D (-2772) (-)

10.29

12000

10000

8000

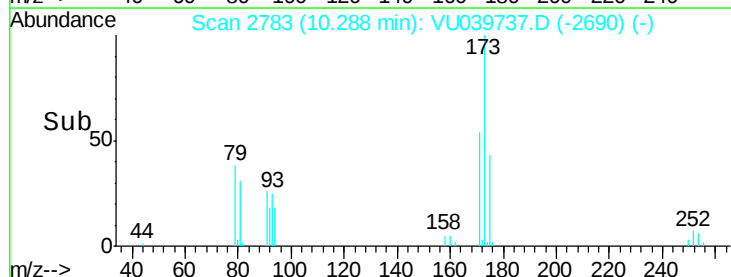
6000

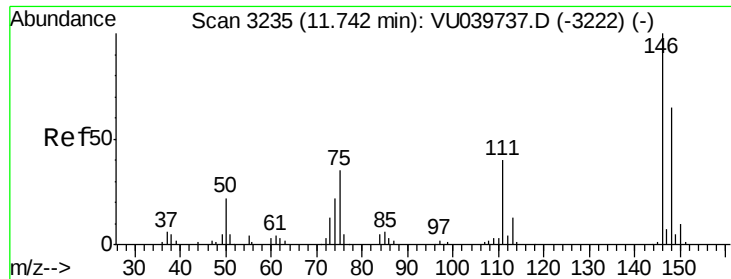
4000

2000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 4.929 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU039737.D

Acq: 03 Aug 2020 14:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD00503

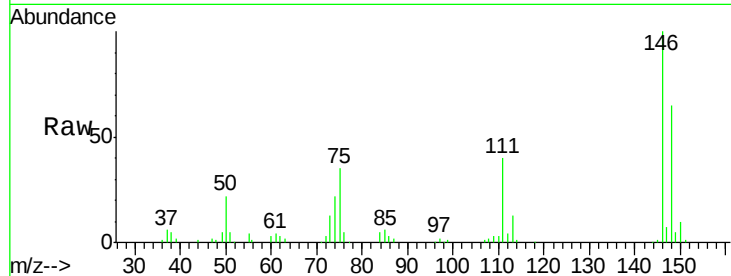
Tgt Ion:146 Resp: 63555

Ion Ratio Lower Upper

146 100

111 39.6 27.7 51.5

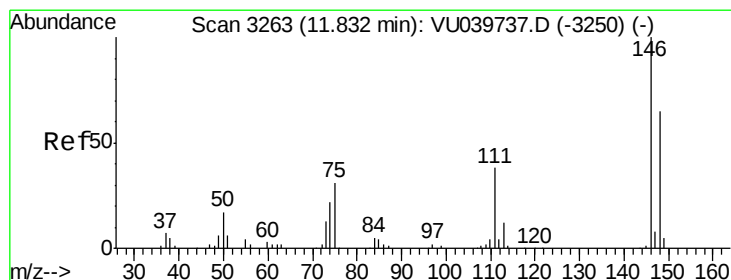
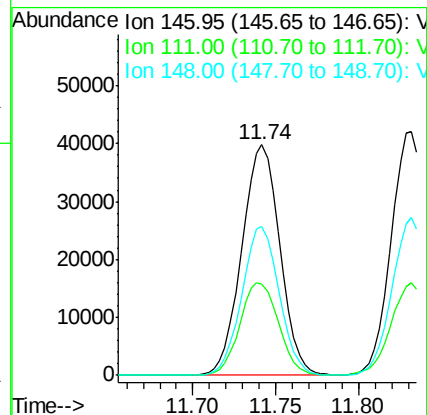
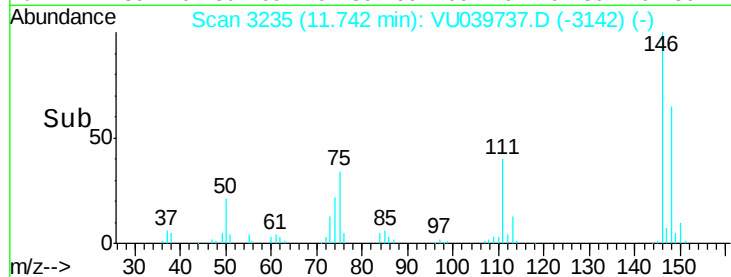
148 64.6 45.2 84.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.927 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU039737.D

Acq: 03 Aug 2020 14:03

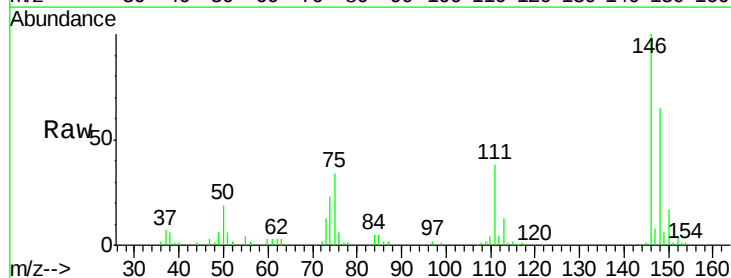
Tgt Ion:146 Resp: 66966

Ion Ratio Lower Upper

146 100

111 37.9 26.5 49.3

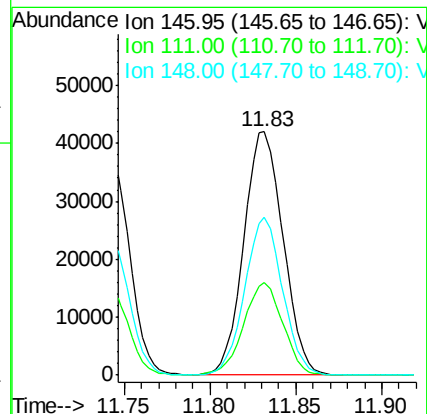
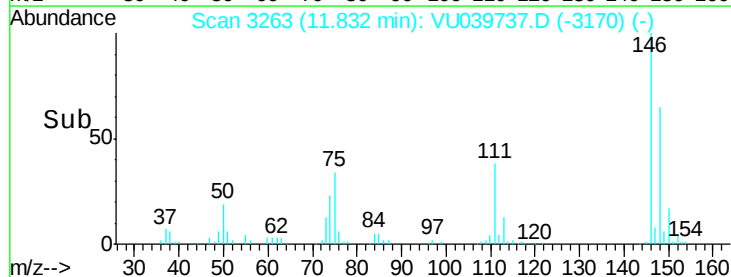
148 64.7 45.3 84.1

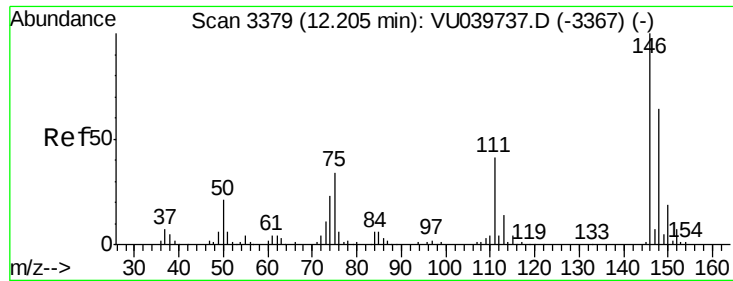


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

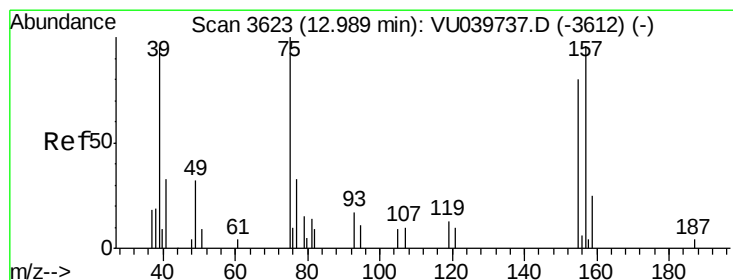
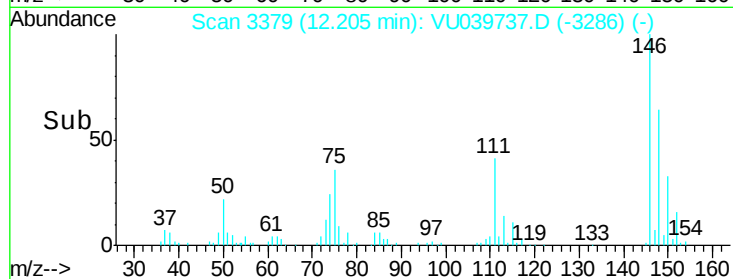
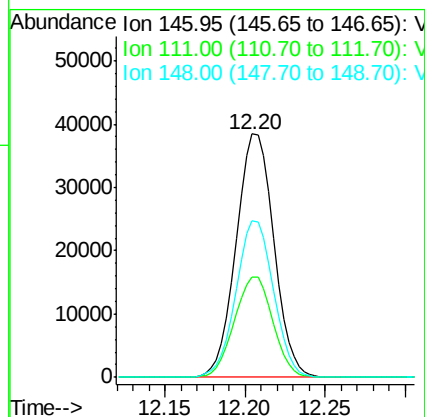
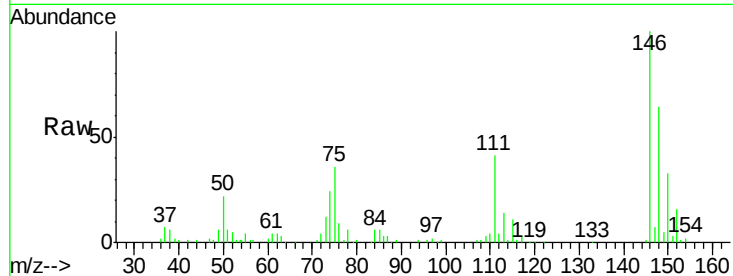




#65
 1,2-Dichlorobenzene
 Concen: 4.864 ug/L
 RT: 12.20 min Scan# 3379
 Delta R.T. 0.00 min
 Lab File: VU039737.D
 Acq: 03 Aug 2020 14:03

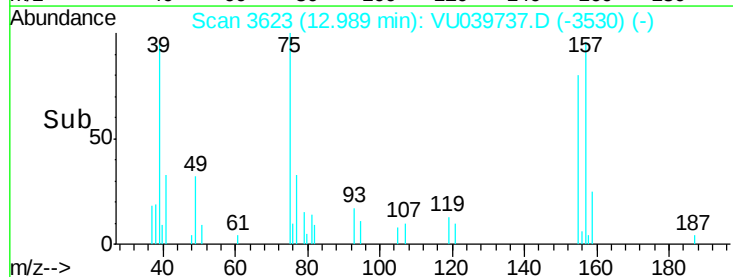
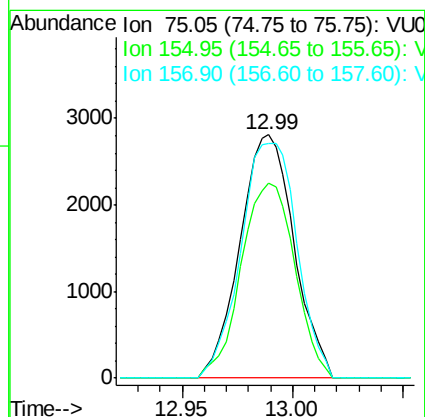
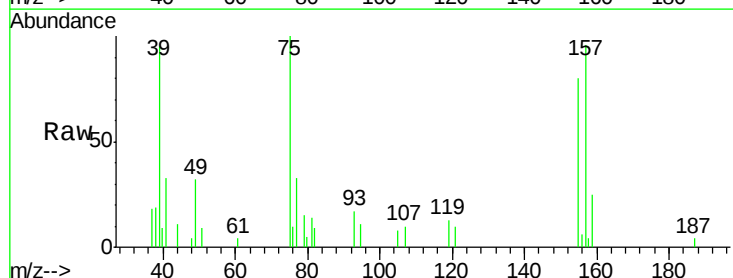
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00503

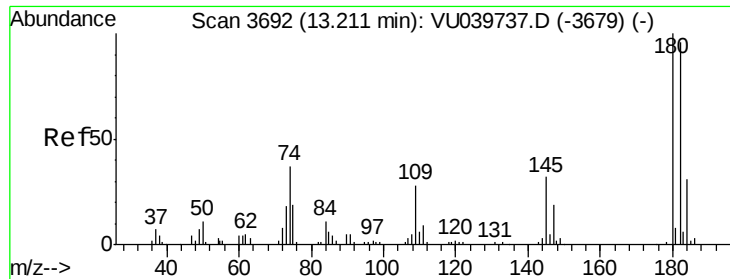
Tgt Ion: 146 Resp: 61796
 Ion Ratio Lower Upper
 146 100
 111 41.4 33.1 49.7
 148 64.4 51.5 77.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.993 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU039737.D
 Acq: 03 Aug 2020 14:03

Tgt Ion: 75 Resp: 4795
 Ion Ratio Lower Upper
 75 100
 155 80.0 64.0 96.0
 157 96.3 77.0 115.6

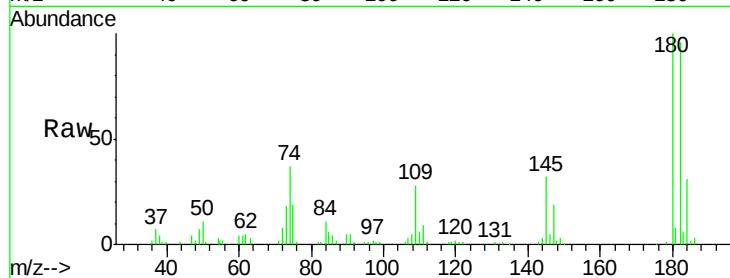




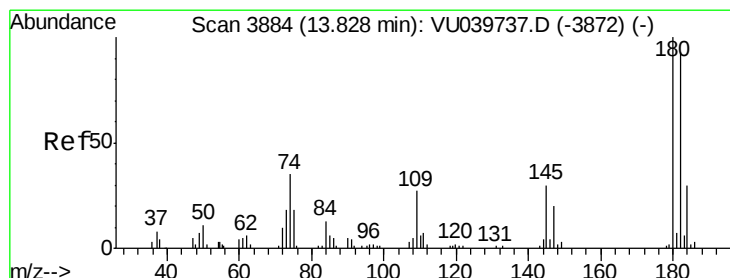
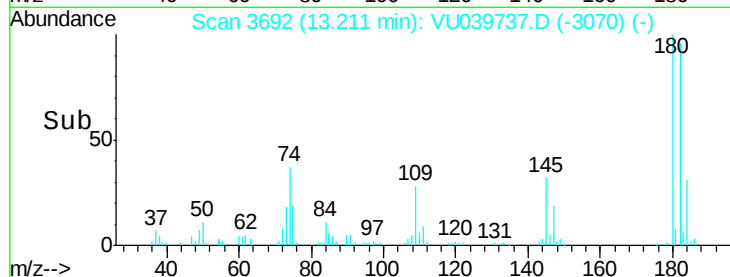
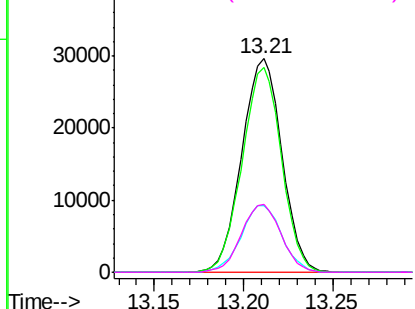
#67
 1,3,5-Trichlorobenzene
 Concen: 4.764 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU039737.D
 Acq: 03 Aug 2020 14:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00503

Tgt Ion:180 Resp: 46557
 Ion Ratio Lower Upper
 180 100
 182 93.6 74.9 112.3
 184 31.6 25.3 37.9
 145 31.3 25.0 37.6

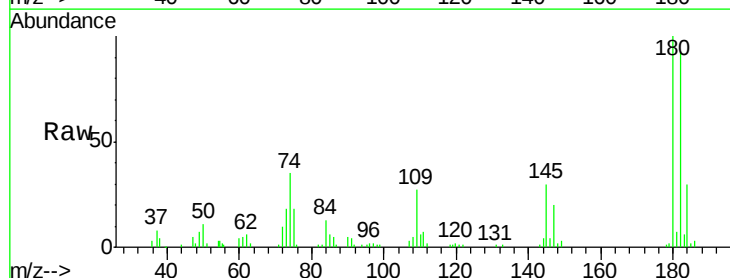


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

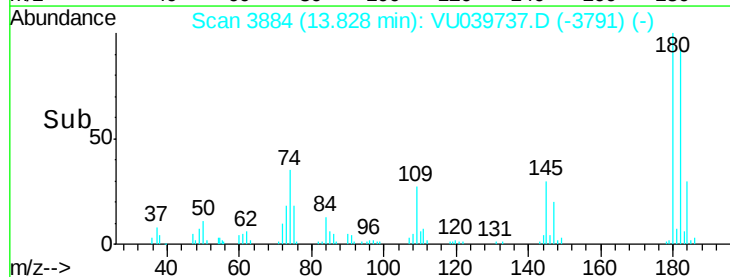
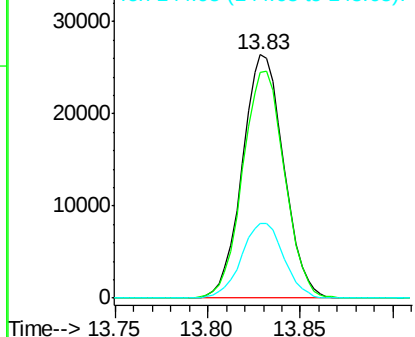


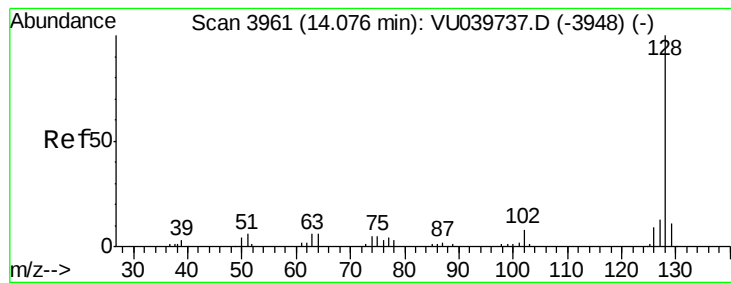
#68
 1,2,4-trichlorobenzene
 Concen: 4.986 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU039737.D
 Acq: 03 Aug 2020 14:03

Tgt Ion:180 Resp: 40828
 Ion Ratio Lower Upper
 180 100
 182 94.6 75.7 113.5
 145 31.4 25.1 37.7



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





#69

Naphthalene

Concen: 5.003 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU039737.D

Acq: 03 Aug 2020 14:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD00503

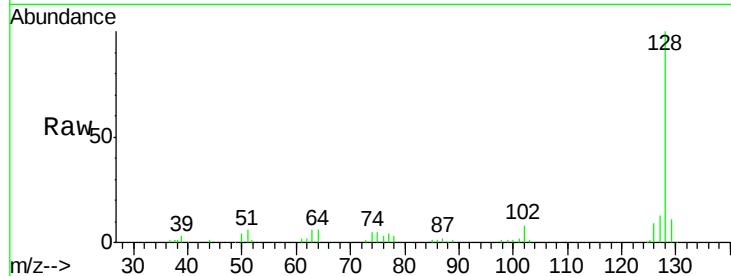
Tgt Ion:128 Resp: 73257

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

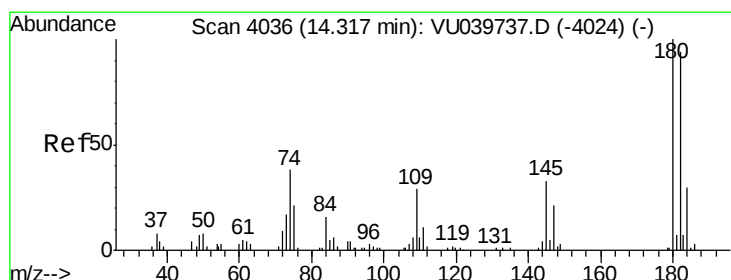
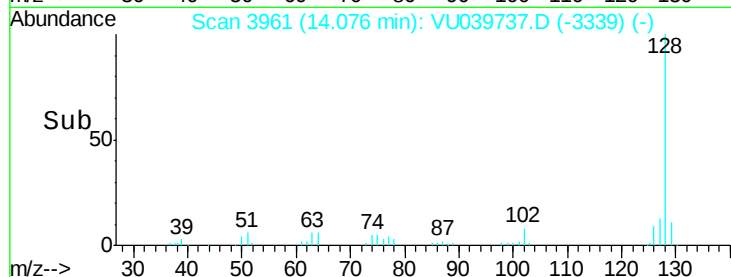
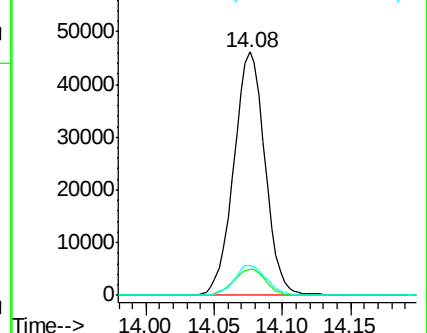
127 12.6 10.1 15.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.285 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. 0.00 min

Lab File: VU039737.D

Acq: 03 Aug 2020 14:03

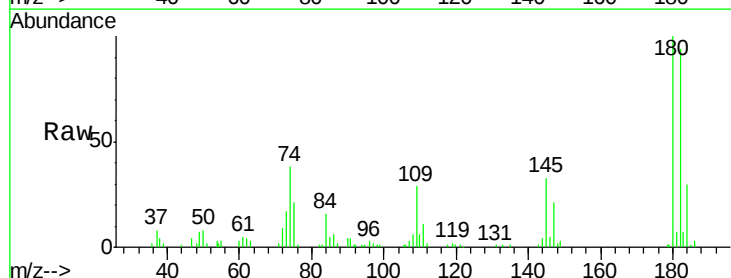
Tgt Ion:180 Resp: 38831

Ion Ratio Lower Upper

180 100

182 95.1 76.1 114.1

145 34.2 27.4 41.0



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

