

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090120\
 Data File : VU040012.D
 Acq On : 01 Sep 2020 15:30
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00517

Quant Time: Sep 01 17:17:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Sep 01 12:38:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	111905	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	110750	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	55904	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	27889	4.56	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.20%
7) Chloroethane-d5	1.92	69	24567	4.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.60%
11) 1,1-Dichloroethene-d2	2.58	63	73492	4.69	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.80%
20) 2-Butanone-d5	4.65	46	120279	49.22	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.44%
24) Chloroform-d	5.08	84	67970	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.20%
26) 1,2-Dichloroethane-d4	5.72	65	40450	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.80%
32) Benzene-d6	5.74	84	123680	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
36) 1,2-Dichloropropane-d6	6.70	67	39523	4.64	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.80%
41) Toluene-d8	7.90	98	110803	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.80%
43) trans-1,3-Dichloropropene-	8.18	79	17530	4.48	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.60%
46) 2-Hexanone-d5	8.64	63	89962	48.51	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.02%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	37291	5.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	42360	4.68	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	48148	4.335	ug/L 100
3) Chloromethane	1.53	50	54203	5.098	ug/L 98
5) Vinyl chloride	1.61	62	54651	5.070	ug/L 95
6) Bromomethane	1.86	94	29271	5.313	ug/L 95
8) Chloroethane	1.94	64	31598	4.878	ug/L 99
9) Trichlorofluoromethane	2.15	101	79438	5.145	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	47362	4.732	ug/L 99
12) 1,1-Dichloroethene	2.59	96	41574	4.801	ug/L 97
13) Acetone	2.66	43	112633	49.787	ug/L 100
14) Carbon disulfide	2.80	76	132023	4.754	ug/L 98
15) Methyl Acetate	2.96	43	26231	4.620	ug/L 98
16) Methylene chloride	3.06	84	51689	4.558	ug/L 96
17) Methyl tert-butyl Ether	3.38	73	123777	4.742	ug/L 100
18) trans-1,2-Dichloroethene	3.37	96	44782	4.807	ug/L 97
19) 1,1-Dichloroethane	3.89	63	91856	4.790	ug/L 98
21) 2-Butanone	4.73	43	183037	49.557	ug/L 99
22) cis-1,2-Dichloroethene	4.68	96	49687	4.960	ug/L 98

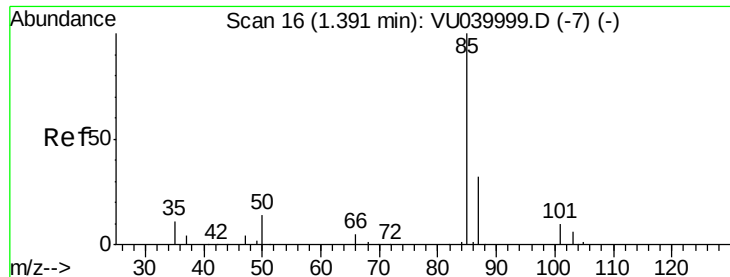
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090120\
 Data File : VU040012.D
 Acq On : 01 Sep 2020 15:30
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	21784	4.963	ug/L	96
25) Chloroform	5.10	83	96533	4.916	ug/L	98
27) 1,2-Dichloroethane	5.81	62	69396	4.823	ug/L	99
29) 1,1,1-Trichloroethane	5.33	97	84071	4.835	ug/L	98
30) Cyclohexane	5.40	56	80075	4.749	ug/L	97
31) Carbon tetrachloride	5.54	117	69983	4.703	ug/L	98
33) Benzene	5.79	78	191952	4.845	ug/L	100
34) Trichloroethene	6.55	95	51986	4.892	ug/L	98
35) Methylcyclohexane	6.77	83	76965	4.729	ug/L	98
37) 1,2-Dichloropropane	6.80	63	54367	5.068	ug/L	100
38) Bromodichloromethane	7.11	83	70391	4.806	ug/L	95
39) cis-1,3-Dichloropropene	7.61	75	76523	4.837	ug/L	100
40) 4-Methyl-2-pentanone	7.80	43	433248	49.220	ug/L	99
42) Toluene	7.97	91	201803	4.946	ug/L	99
44) trans-1,3-Dichloropropene	8.21	75	69061	4.711	ug/L	99
45) 1,1,2-Trichloroethane	8.40	97	38170	4.884	ug/L	98
47) Tetrachloroethene	8.56	164	33005	4.728	ug/L	98
48) 2-Hexanone	8.69	43	312739	48.708	ug/L	99
49) Dibromochloromethane	8.81	129	44459	4.739	ug/L	95
50) 1,2-Dibromoethane	8.93	107	36342	4.823	ug/L	97
51) Chlorobenzene	9.45	112	127953	5.051	ug/L	96
52) Ethylbenzene	9.57	91	224394	4.840	ug/L	99
53) m,p-Xylene	9.69	106	85160	5.159	ug/L	92
54) o-Xylene	10.10	106	79641	5.063	ug/L	96
55) Styrene	10.11	104	140938	5.153	ug/L	99
56) Isopropylbenzene	10.48	105	224610	5.236	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.78	83	49634	4.953	ug/L	97
59) 1,2,3-Trichloropropane	10.82	75	38651	4.863	ug/L	99
61) Bromoform	10.29	173	23861	4.653	ug/L	98
62) 1,3-Dichlorobenzene	11.74	146	100257	4.907	ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	99630	4.819	ug/L	99
65) 1,2-Dichlorobenzene	12.20	146	95724	4.842	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	9690	4.583	ug/L #	82
67) 1,3,5-Trichlorobenzene	13.21	180	69615	4.845	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	57558	4.651	ug/L	97
69) Naphthalene	14.08	128	113278	4.391	ug/L	100
70) 1,2,3-Trichlorobenzene	14.32	180	52688	4.635	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.335 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU040012.D

Acq: 01 Sep 2020 15:30

Instrument :

MSVOA_U

ClientSampled :

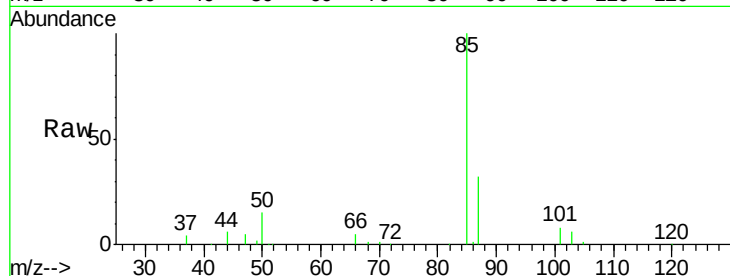
VSTD00517

Tgt Ion: 85 Resp: 48148

Ion Ratio Lower Upper

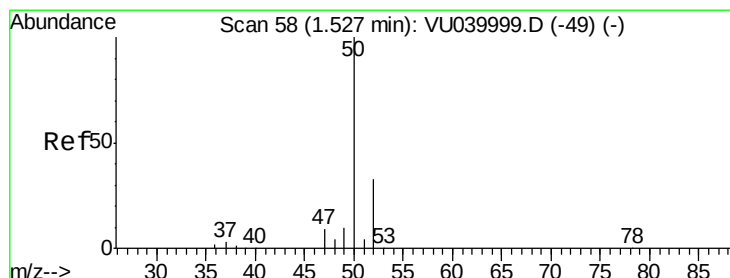
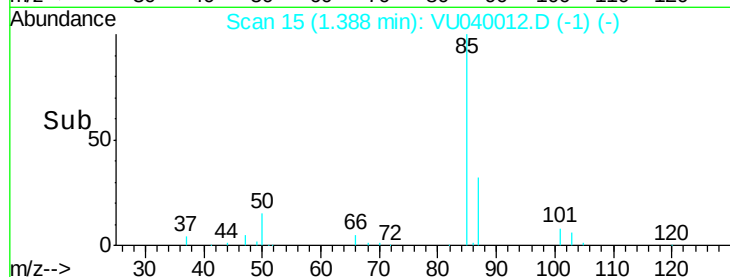
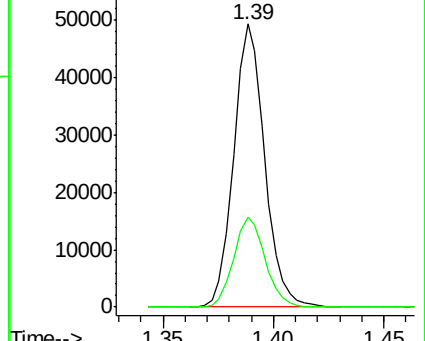
85 100

87 32.5 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 5.098 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040012.D

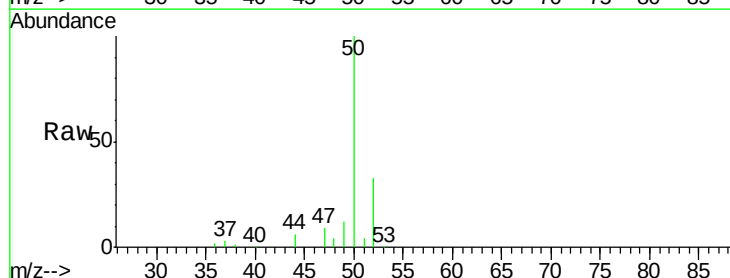
Acq: 01 Sep 2020 15:30

Tgt Ion: 50 Resp: 54203

Ion Ratio Lower Upper

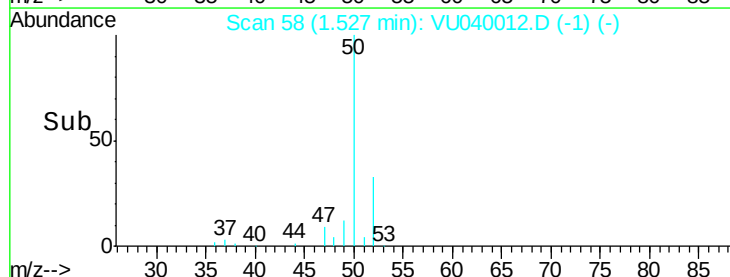
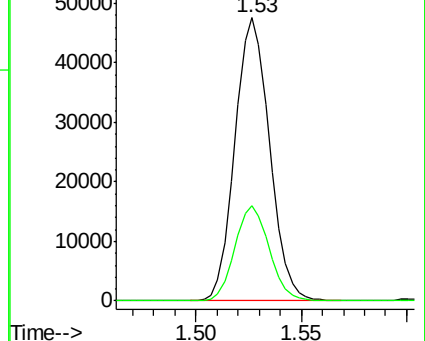
50 100

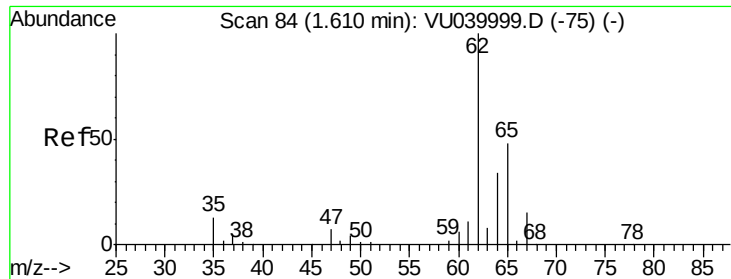
52 33.5 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 5.070 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040012.D

Acq: 01 Sep 2020 15:30

Instrument :

MSVOA_U

ClientSampleId :

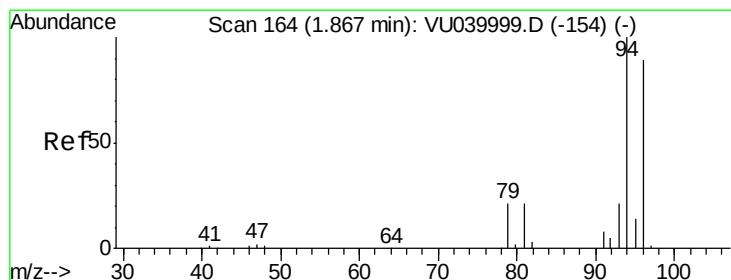
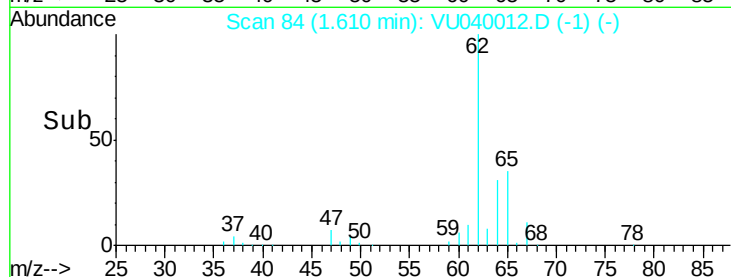
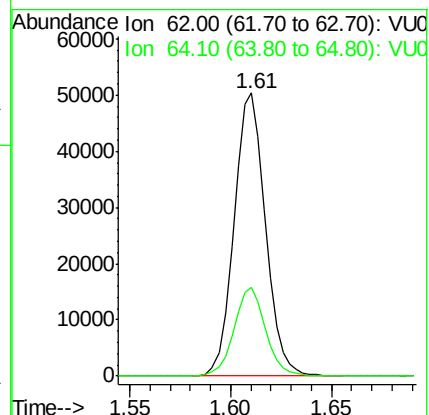
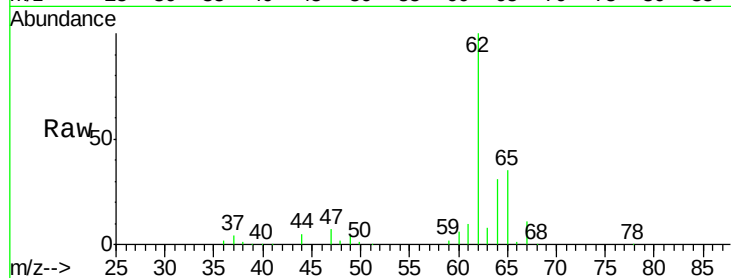
VSTD00517

Tgt Ion: 62 Resp: 54651

Ion Ratio Lower Upper

62 100

64 31.3 23.9 44.3



#6

Bromomethane

Concen: 5.313 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU040012.D

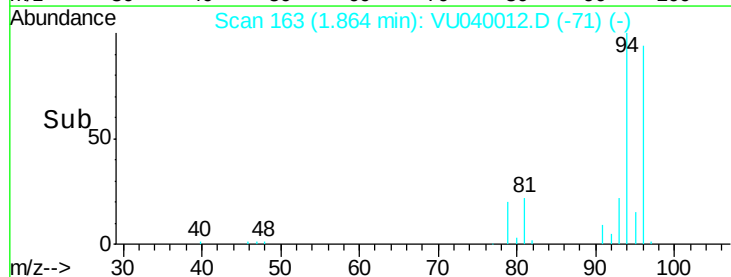
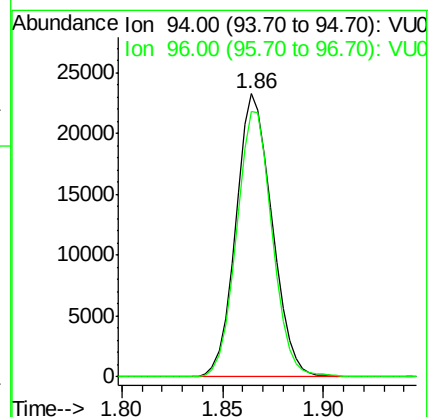
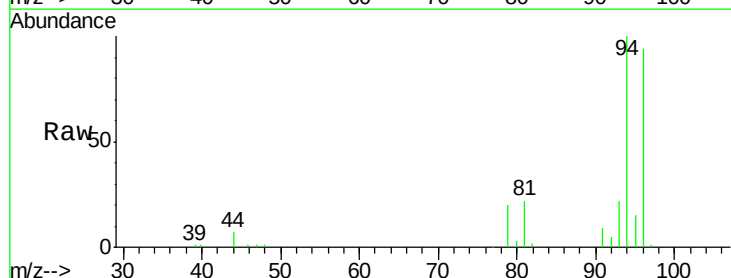
Acq: 01 Sep 2020 15:30

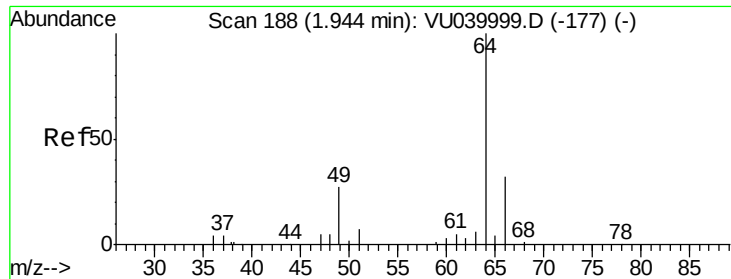
Tgt Ion: 94 Resp: 29271

Ion Ratio Lower Upper

94 100

96 93.9 62.3 115.7

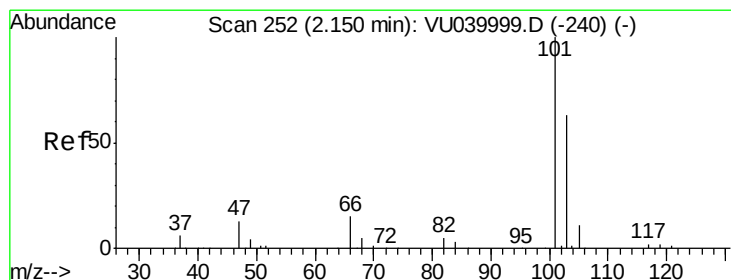
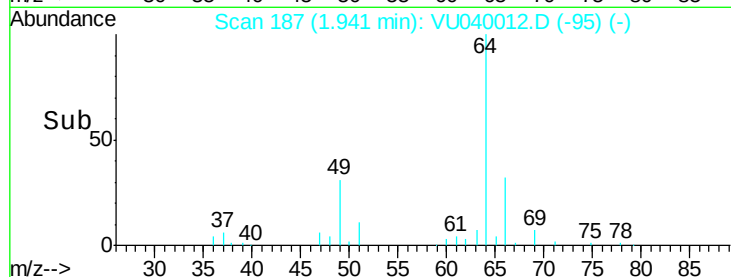
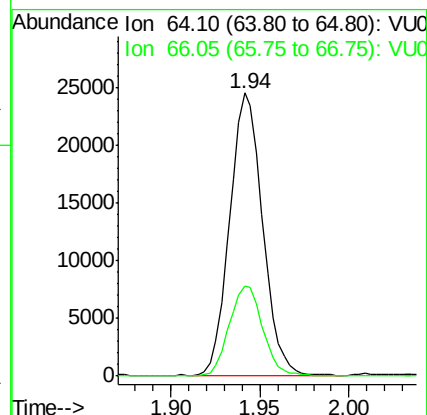
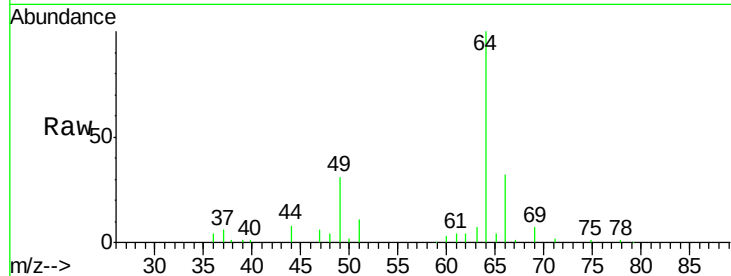




#8
Chloroethane
Concen: 4.878 ug/L
RT: 1.94 min Scan# 187
Delta R.T. -0.00 min
Lab File: VU040012.D
Acq: 01 Sep 2020 15:30

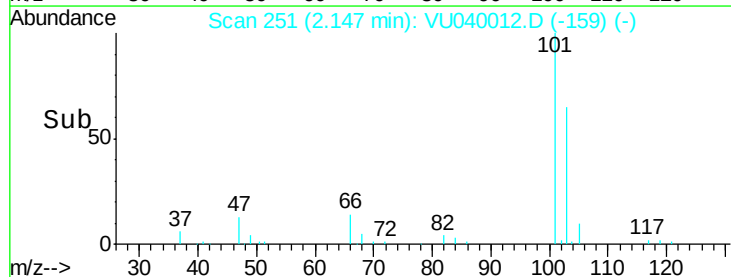
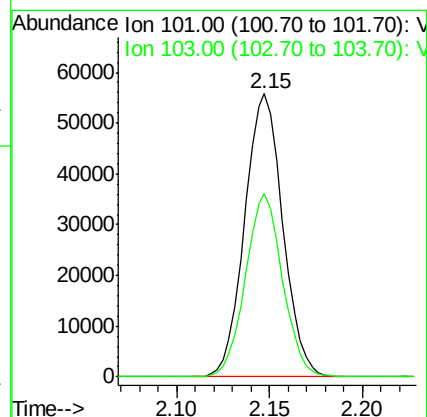
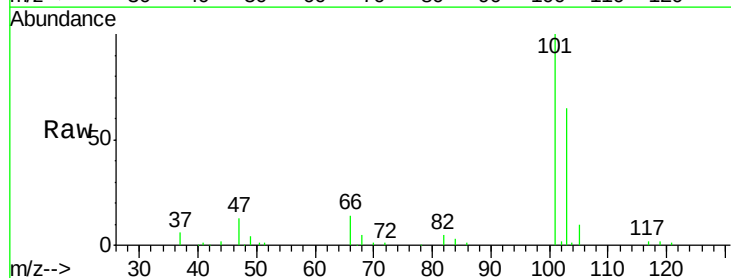
Instrument :
MSVOA_U
ClientSampleId :
VSTD00517

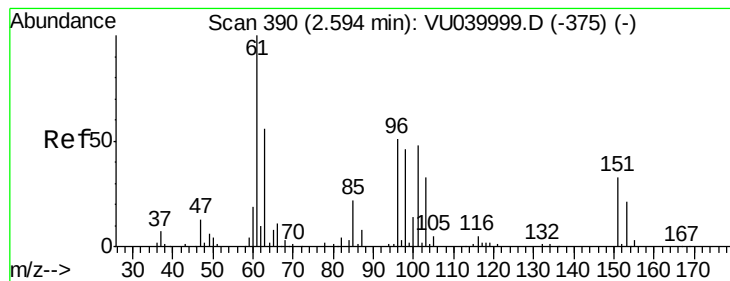
Tgt Ion: 64 Resp: 31598
Ion Ratio Lower Upper
64 100
66 31.8 22.7 42.1



#9
Trichlorofluoromethane
Concen: 5.145 ug/L
RT: 2.15 min Scan# 251
Delta R.T. -0.00 min
Lab File: VU040012.D
Acq: 01 Sep 2020 15:30

Tgt Ion: 101 Resp: 79438
Ion Ratio Lower Upper
101 100
103 62.9 51.3 76.9





#10

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

Concen: 4.732 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040012.D

Acq: 01 Sep 2020 15:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD00517

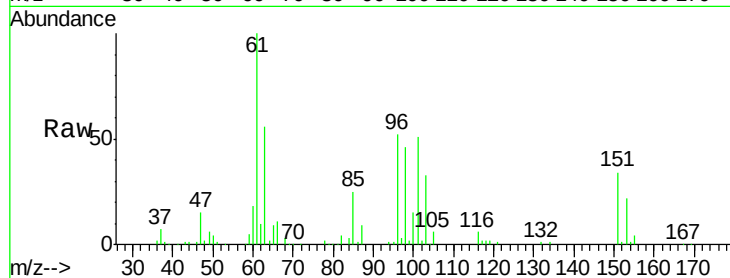
Tgt Ion: 101 Resp: 47362

Ion Ratio Lower Upper

101 100

85 47.7 37.7 56.5

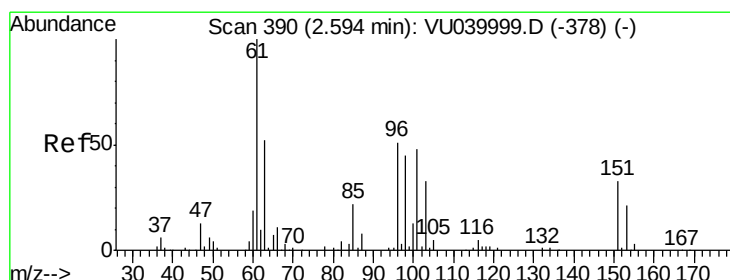
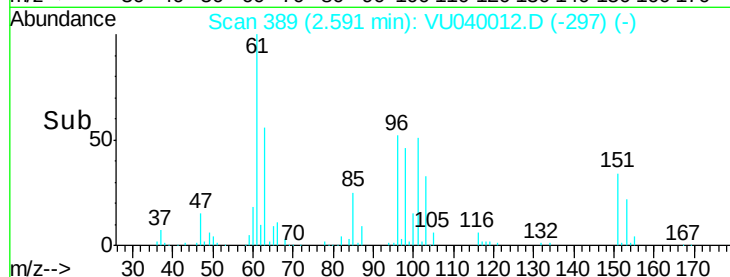
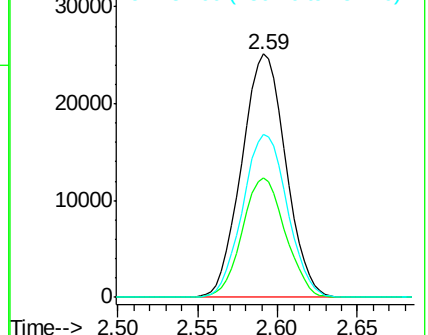
151 67.7 53.9 80.9



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: 4.801 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040012.D

Acq: 01 Sep 2020 15:30

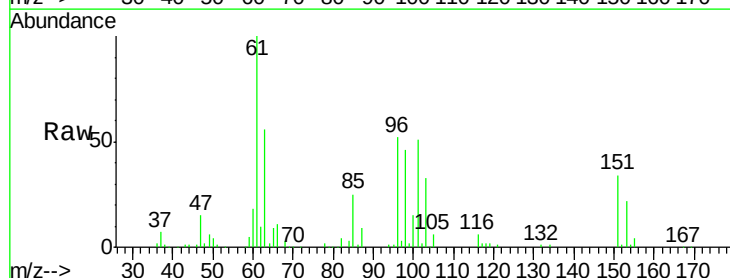
Tgt Ion: 96 Resp: 41574

Ion Ratio Lower Upper

96 100

61 192.2 138.3 256.8

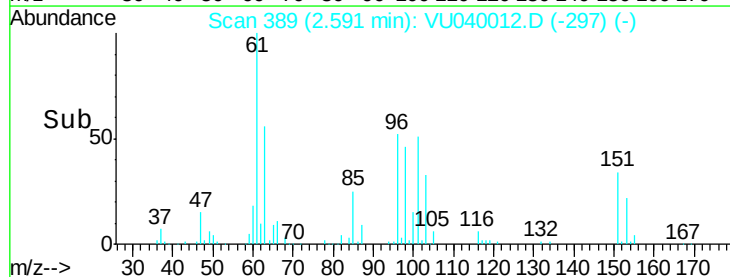
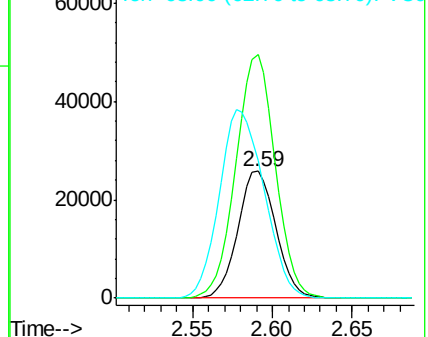
63 108.5 77.6 144.2

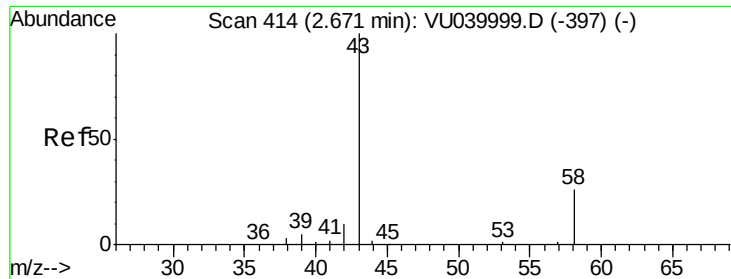


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 49.787 ug/L

RT: 2.66 min Scan# 409

Delta R.T. -0.02 min

Lab File: VU040012.D

Acq: 01 Sep 2020 15:30

Instrument :

MSVOA_U

ClientSampleId :

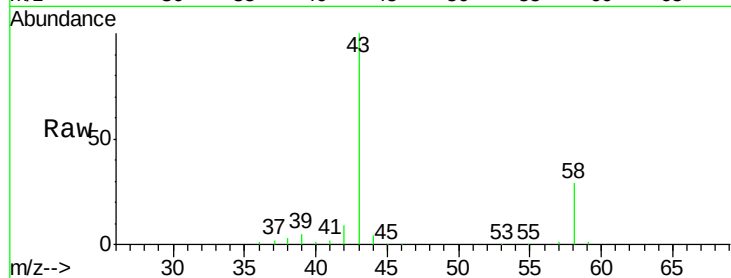
VSTD00517

Tgt Ion: 43 Resp: 112633

Ion Ratio Lower Upper

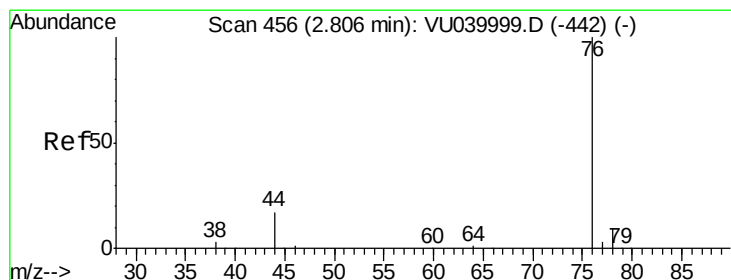
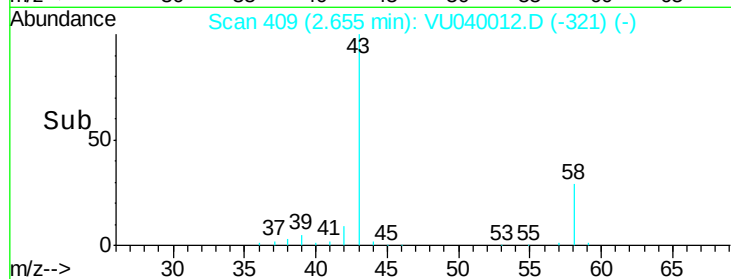
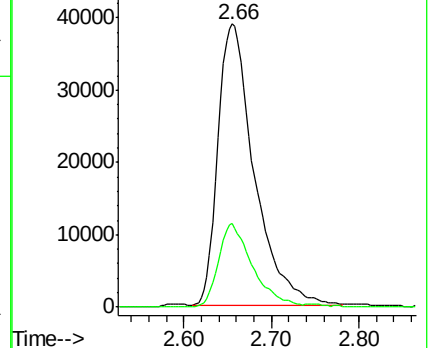
43 100

58 27.9 0.0 55.4



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#14

Carbon disulfide

Concen: 4.754 ug/L

RT: 2.80 min Scan# 455

Delta R.T. -0.00 min

Lab File: VU040012.D

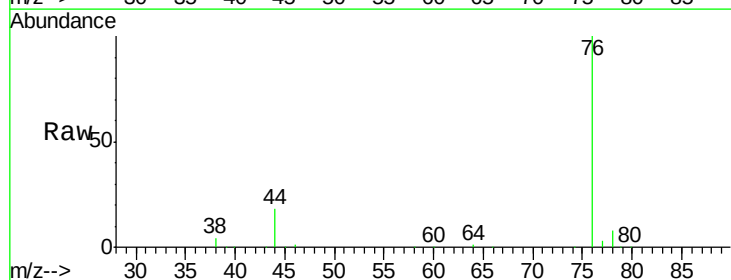
Acq: 01 Sep 2020 15:30

Tgt Ion: 76 Resp: 132023

Ion Ratio Lower Upper

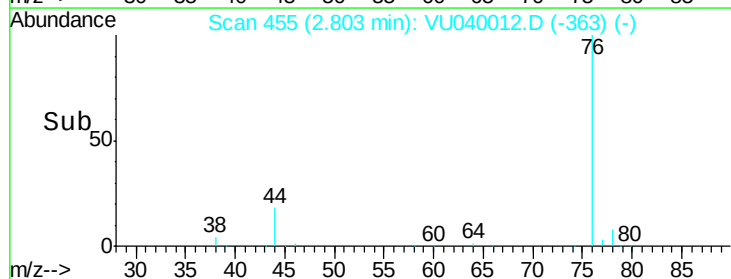
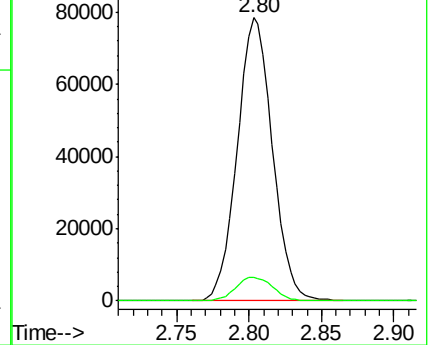
76 100

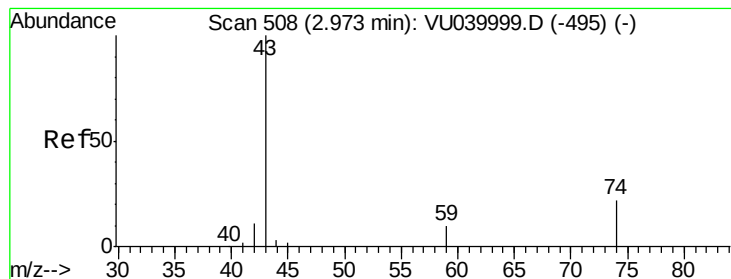
78 8.4 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0





#15

Methyl Acetate

Concen: 4.620 ug/L

RT: 2.96 min Scan# 505

Delta R.T. -0.01 min

Lab File: VU040012.D

Acq: 01 Sep 2020 15:30

Instrument :

MSVOA_U

ClientSampleId :

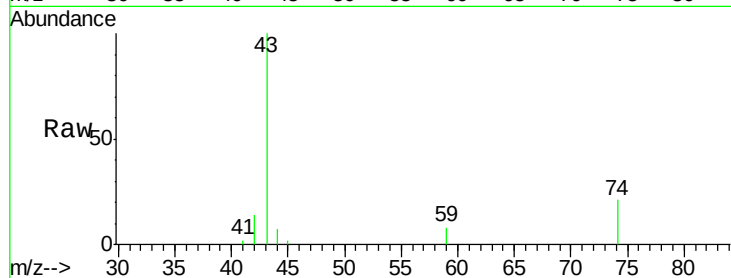
VSTD00517

Tgt Ion: 43 Resp: 26231

Ion Ratio Lower Upper

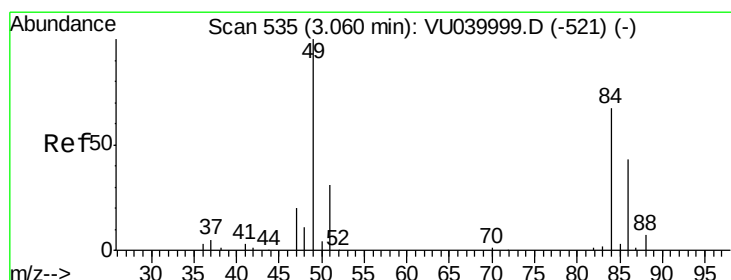
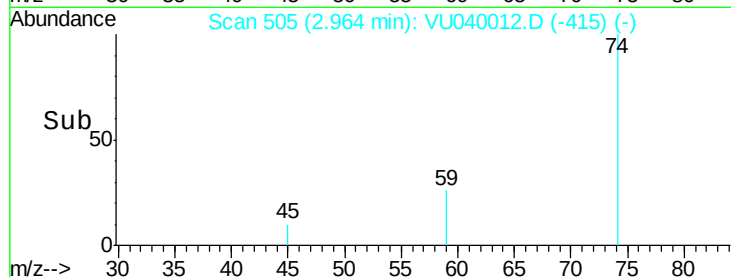
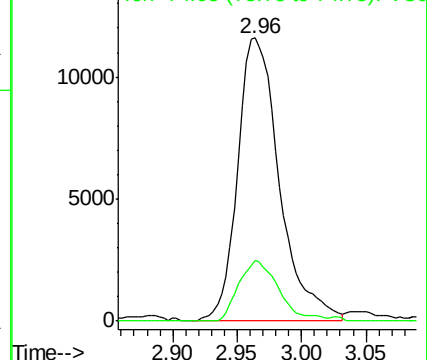
43 100

74 20.6 17.4 26.0



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 4.558 ug/L

RT: 3.06 min Scan# 534

Delta R.T. -0.00 min

Lab File: VU040012.D

Acq: 01 Sep 2020 15:30

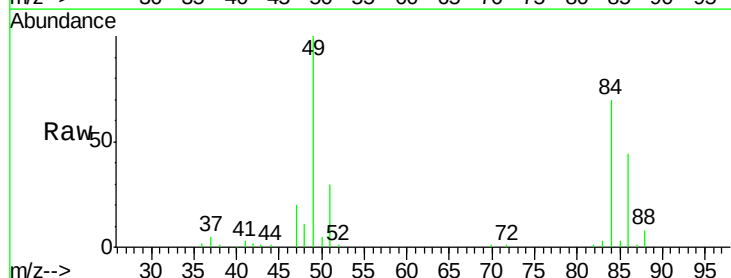
Tgt Ion: 84 Resp: 51689

Ion Ratio Lower Upper

84 100

86 62.1 45.2 84.0

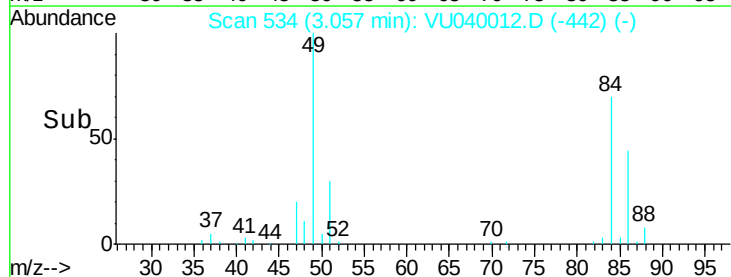
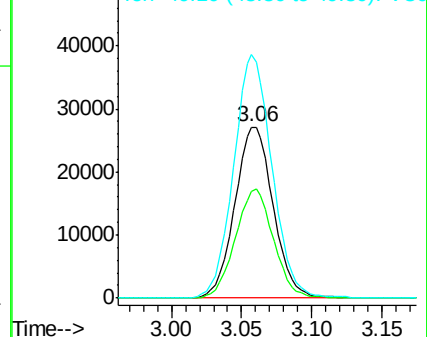
49 142.6 104.0 193.2

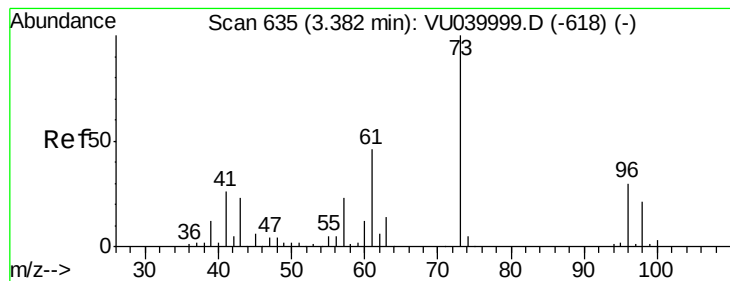


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0





#17

Methyl tert-butyl Ether

Concen: 4.742 ug/L

RT: 3.38 min Scan# 634

Delta R.T. -0.00 min

Lab File: VU040012.D

Acq: 01 Sep 2020 15:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD00517

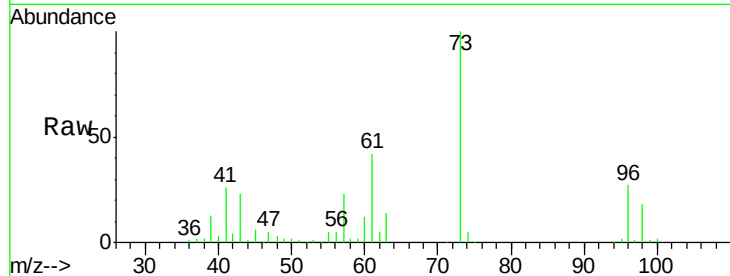
Tgt Ion: 73 Resp: 123777

Ion Ratio Lower Upper

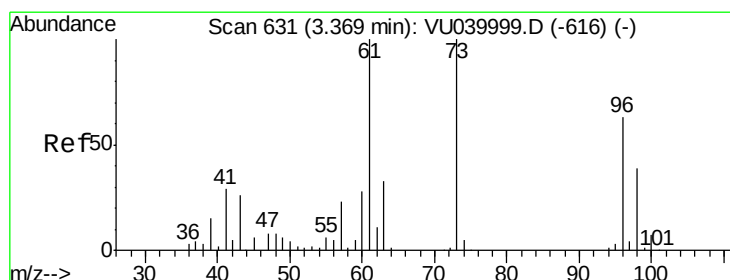
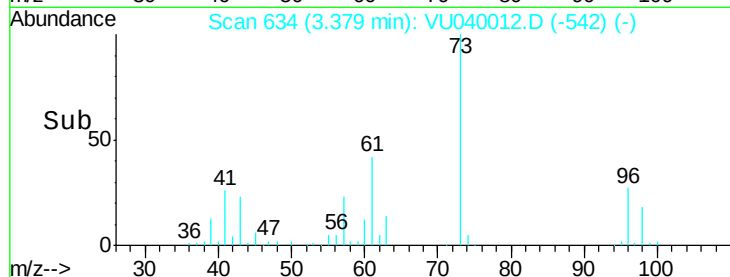
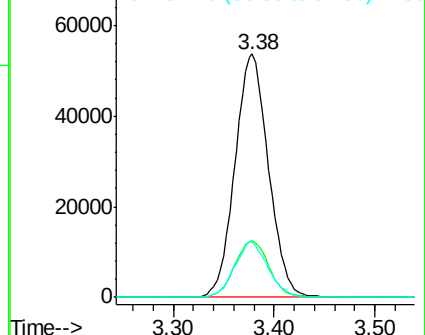
73 100

43 23.7 19.1 28.7

57 22.6 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: 4.807 ug/L

RT: 3.37 min Scan# 630

Delta R.T. -0.00 min

Lab File: VU040012.D

Acq: 01 Sep 2020 15:30

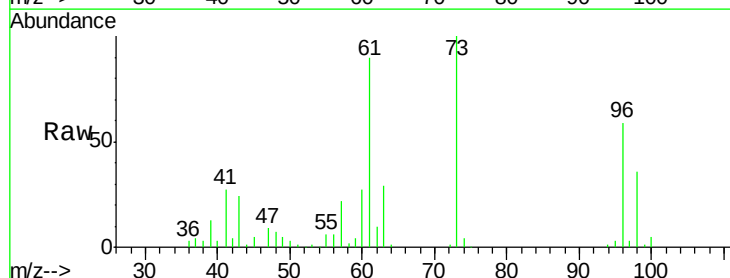
Tgt Ion: 96 Resp: 44782

Ion Ratio Lower Upper

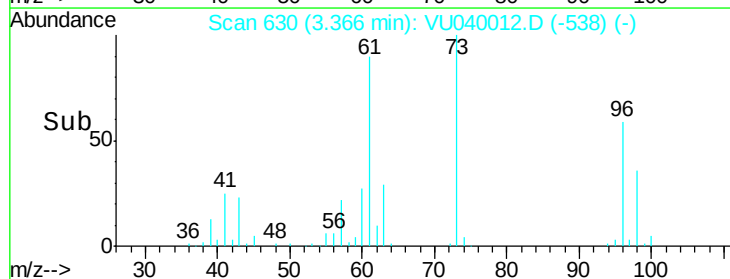
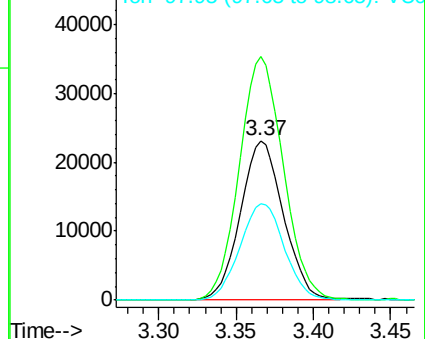
96 100

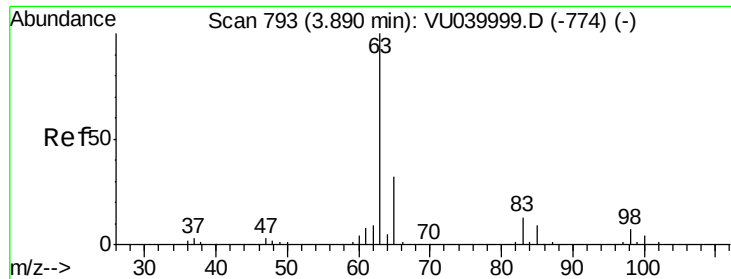
61 152.6 110.5 205.3

98 60.6 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

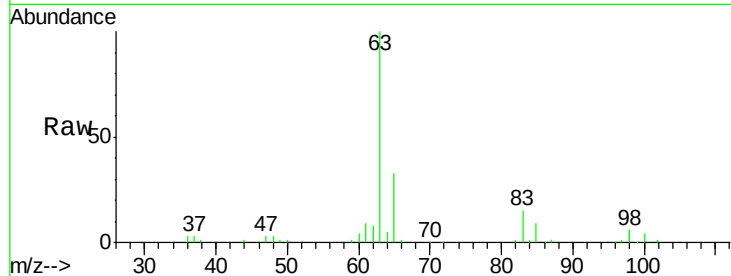




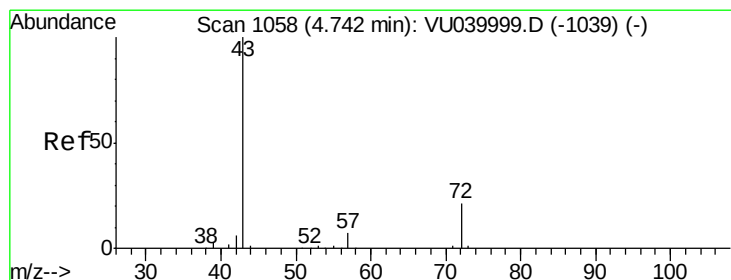
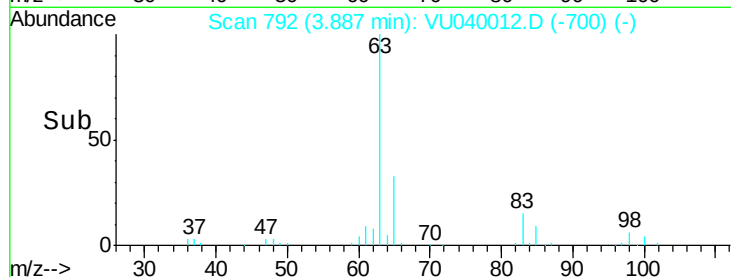
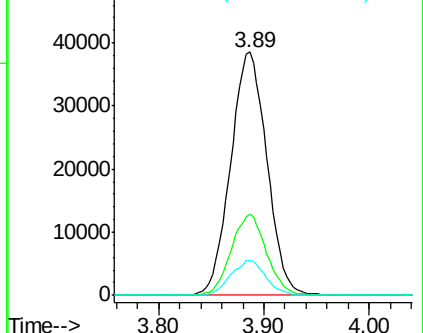
#19
 1,1-Dichloroethane
 Concen: 4.790 ug/L
 RT: 3.89 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: VU040012.D
 Acq: 01 Sep 2020 15:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00517

Tgt Ion: 63 Resp: 91856
 Ion Ratio Lower Upper
 63 100
 65 33.1 22.2 41.2
 83 14.5 9.4 17.6

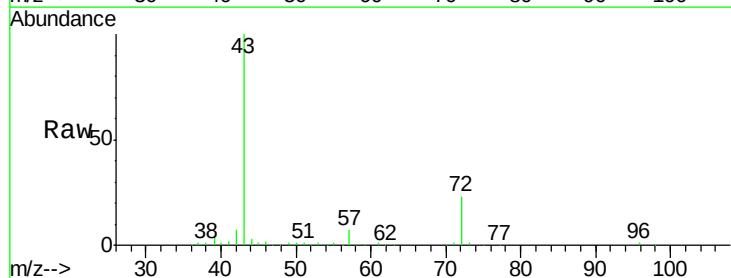


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

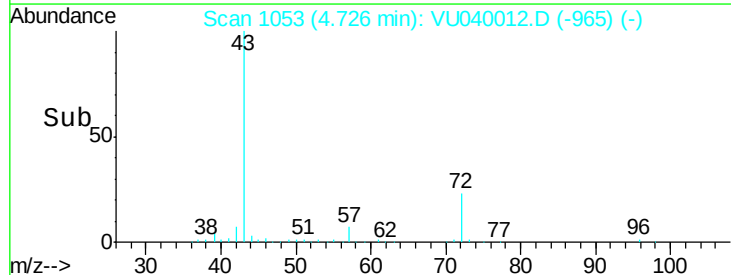
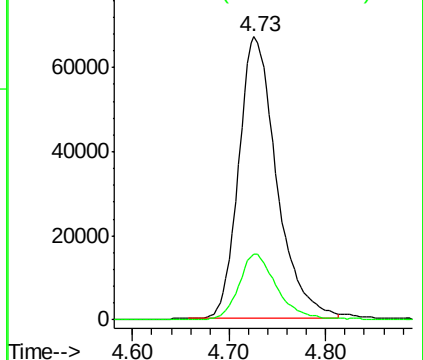


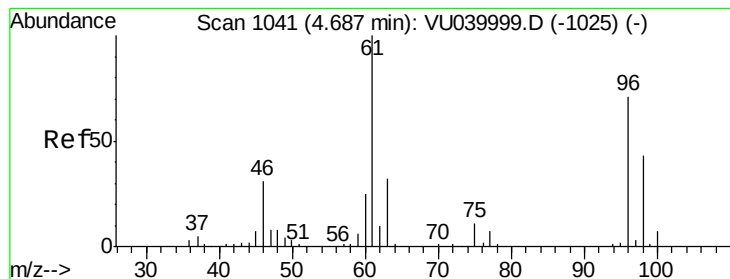
#21
 2-Butanone
 Concen: 49.557 ug/L
 RT: 4.73 min Scan# 1053
 Delta R.T. -0.02 min
 Lab File: VU040012.D
 Acq: 01 Sep 2020 15:30

Tgt Ion: 43 Resp: 183037
 Ion Ratio Lower Upper
 43 100
 72 23.5 11.7 35.0



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 4.960 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU040012.D

Acq: 01 Sep 2020 15:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD00517

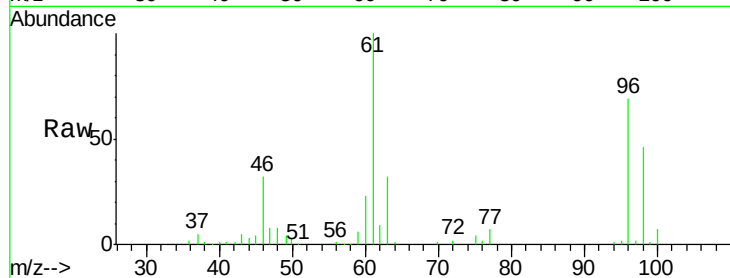
Tgt Ion: 96 Resp: 49687

Ion Ratio Lower Upper

96 100

61 144.1 98.8 183.4

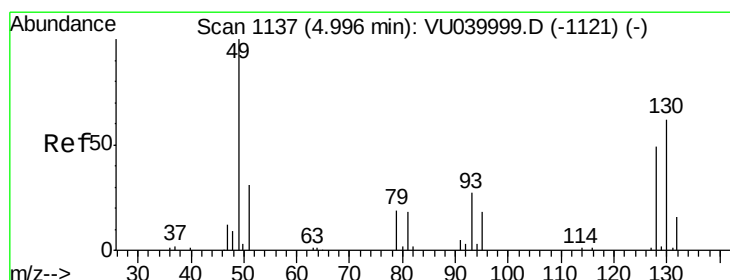
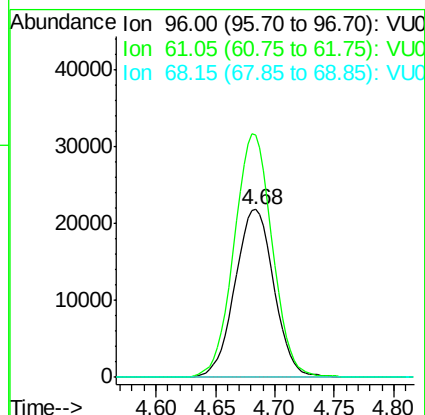
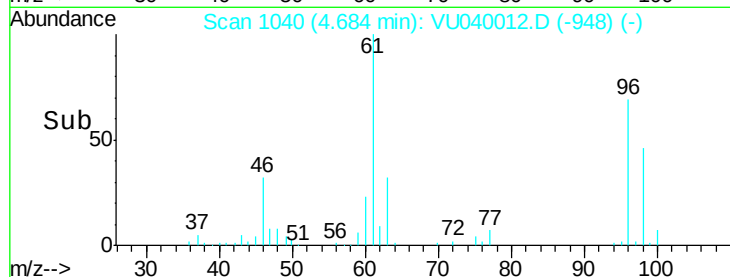
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 4.963 ug/L

RT: 4.99 min Scan# 1135

Delta R.T. -0.01 min

Lab File: VU040012.D

Acq: 01 Sep 2020 15:30

Tgt Ion: 128 Resp: 21784

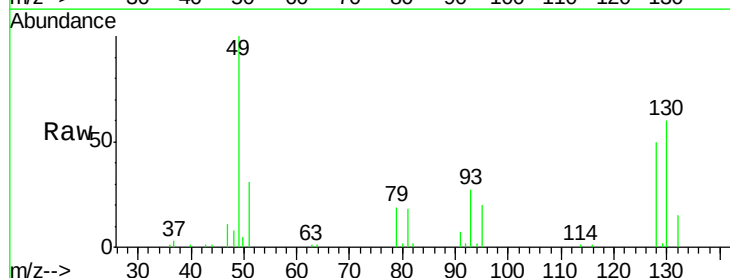
Ion Ratio Lower Upper

128 100

49 201.1 143.4 266.4

130 121.1 89.5 166.3

51 62.1 51.0 76.4

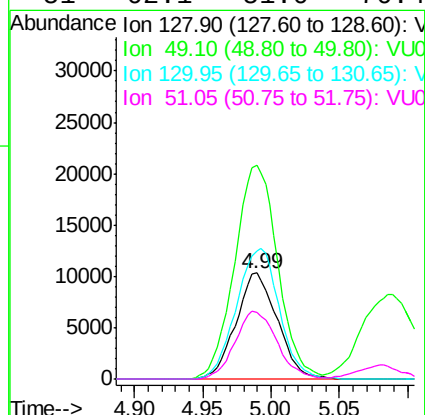
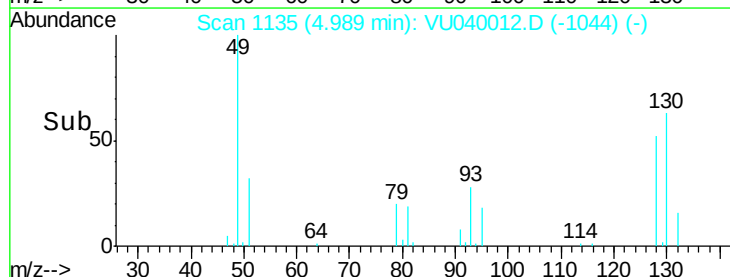


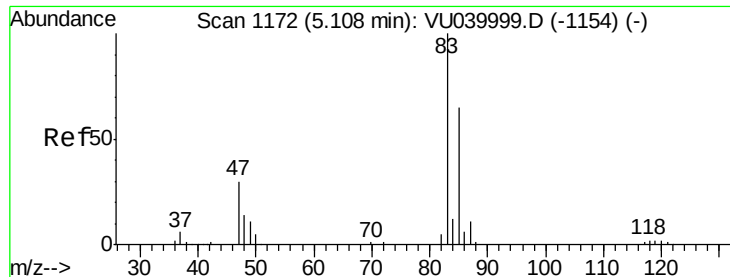
Abundance Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

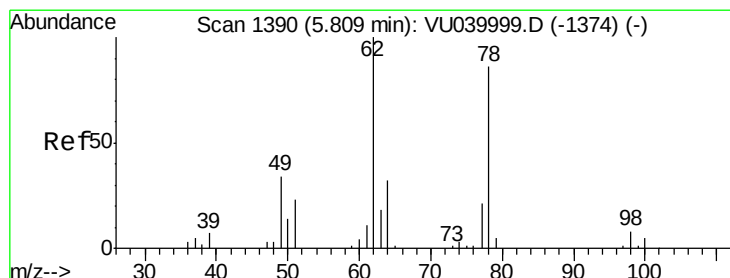
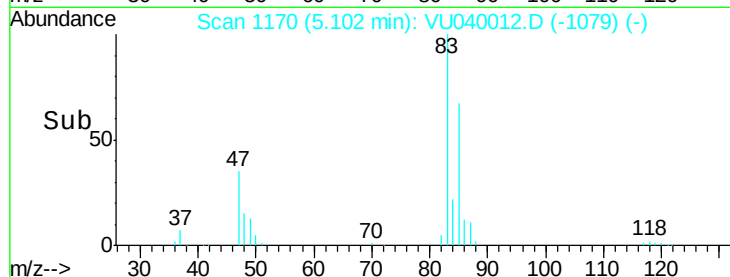
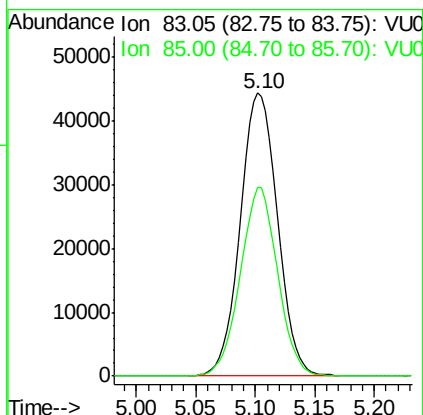
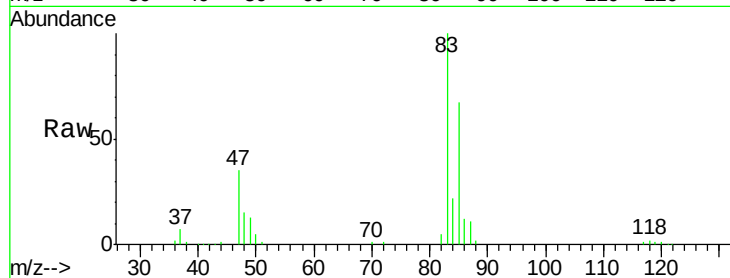




#25
Chloroform
Concen: 4.916 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.01 min
Lab File: VU040012.D
Acq: 01 Sep 2020 15:30

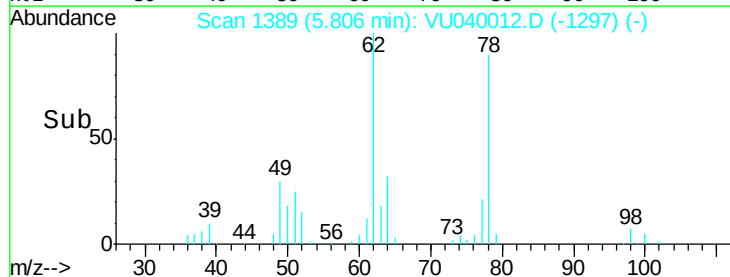
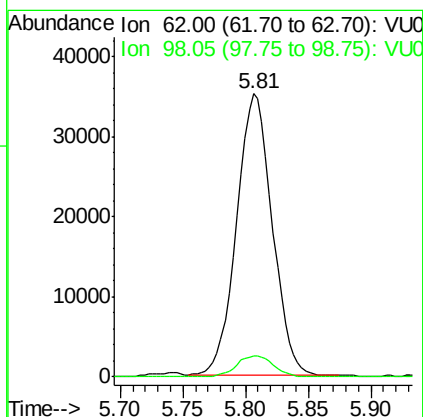
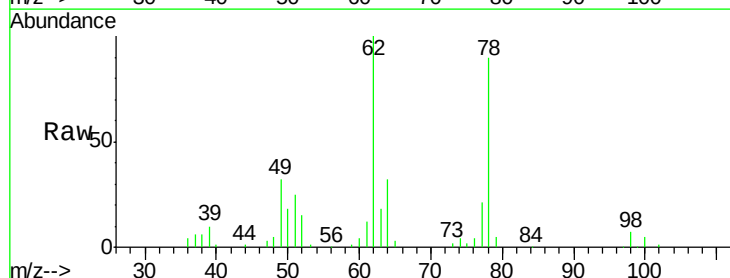
Instrument :
MSVOA_U
ClientSampleId :
VSTD00517

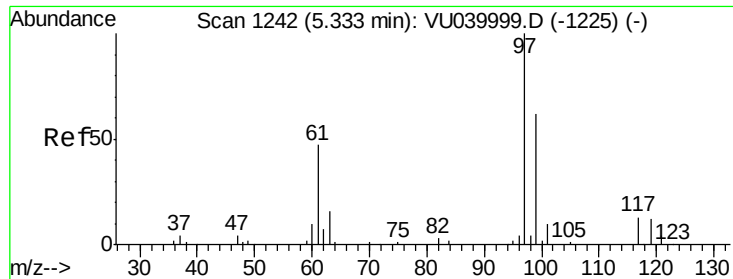
Tgt Ion: 83 Resp: 96533
Ion Ratio Lower Upper
83 100
85 66.6 45.3 84.1



#27
1,2-Dichloroethane
Concen: 4.823 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VU040012.D
Acq: 01 Sep 2020 15:30

Tgt Ion: 62 Resp: 69396
Ion Ratio Lower Upper
62 100
98 7.2 6.1 9.1

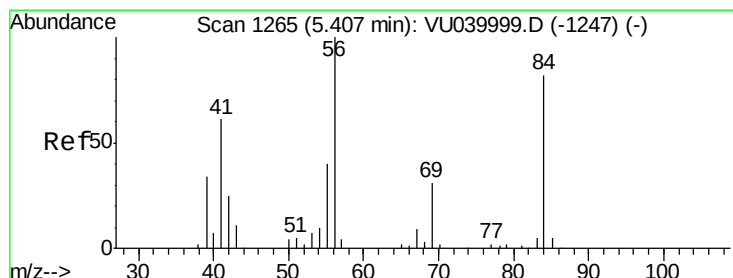
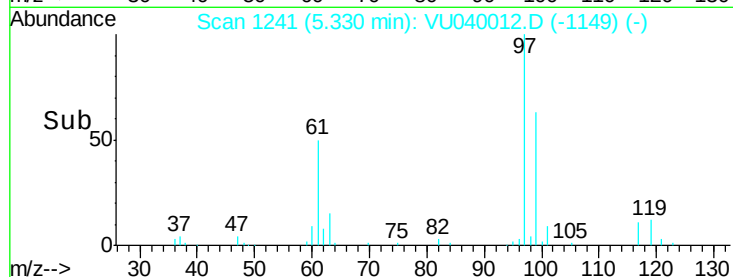
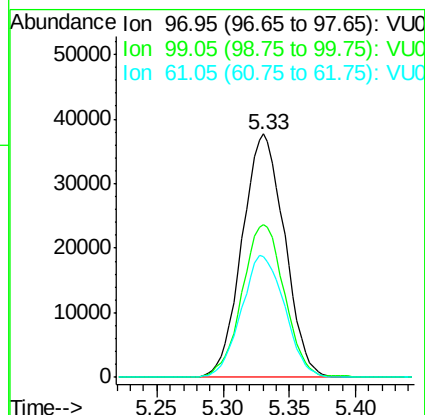
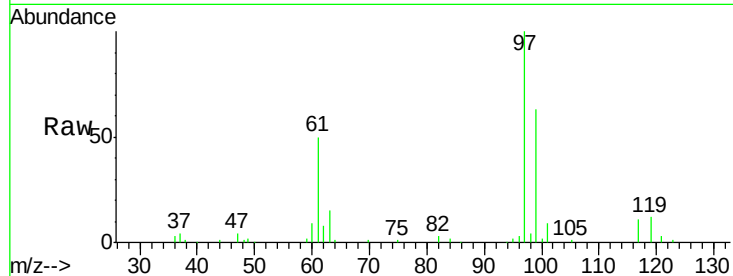




#29
 1,1,1-Trichloroethane
 Concen: 4.835 ug/L
 RT: 5.33 min Scan# 1241
 Delta R.T. -0.00 min
 Lab File: VU040012.D
 Acq: 01 Sep 2020 15:30

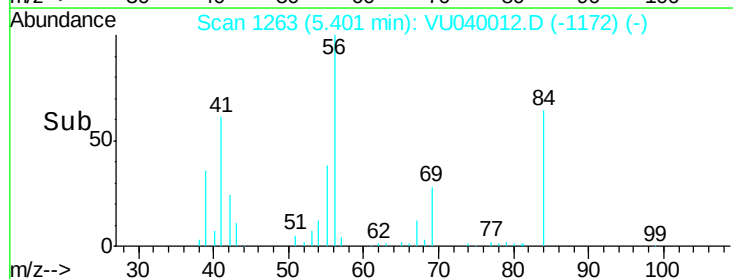
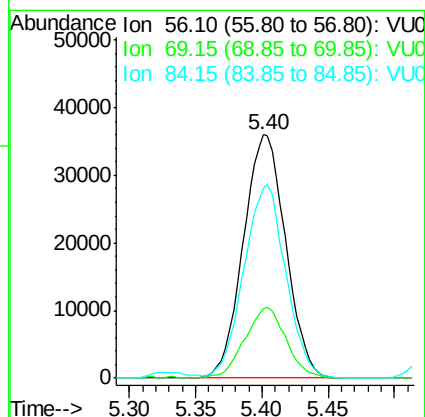
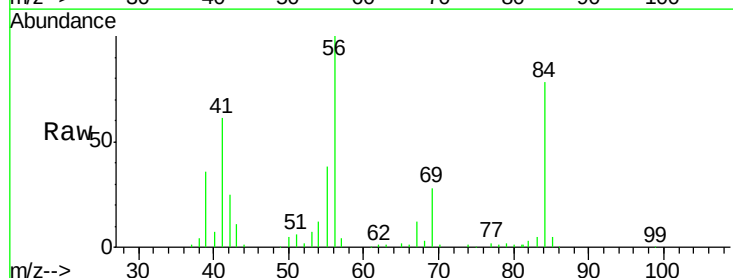
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00517

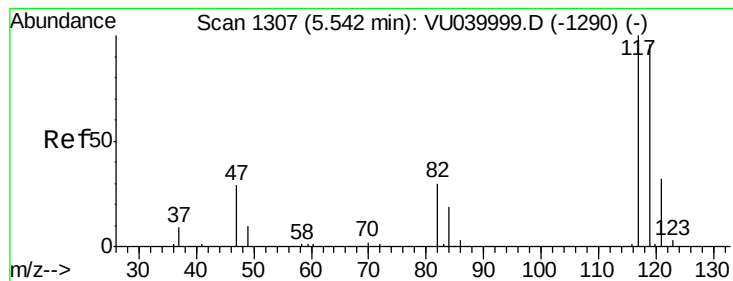
Tgt Ion: 97 Resp: 84071
 Ion Ratio Lower Upper
 97 100
 99 62.8 50.9 76.3
 61 51.0 39.5 59.3



#30
 Cyclohexane
 Concen: 4.749 ug/L
 RT: 5.40 min Scan# 1263
 Delta R.T. -0.01 min
 Lab File: VU040012.D
 Acq: 01 Sep 2020 15:30

Tgt Ion: 56 Resp: 80075
 Ion Ratio Lower Upper
 56 100
 69 28.3 24.1 36.1
 84 78.6 65.0 97.4





#31

Carbon tetrachloride

Concen: 4.703 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. -0.00 min

Lab File: VU040012.D

Acq: 01 Sep 2020 15:30

Instrument :

MSVOA_U

ClientSampleId :

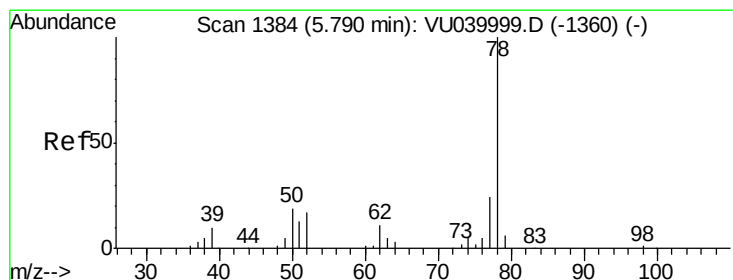
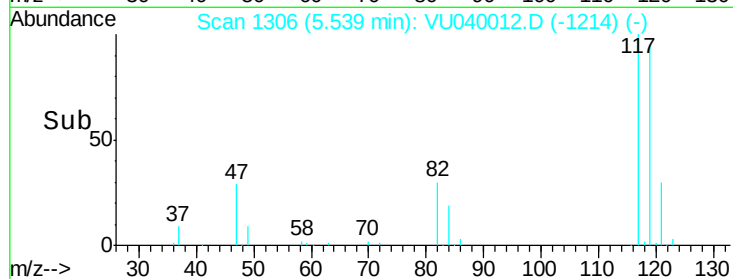
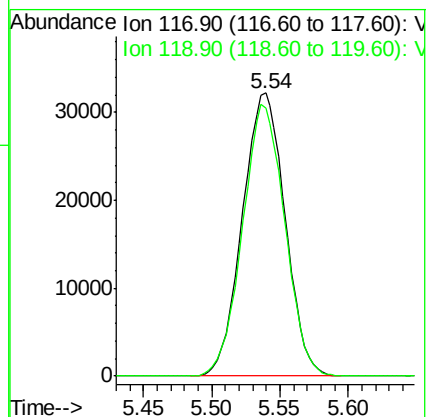
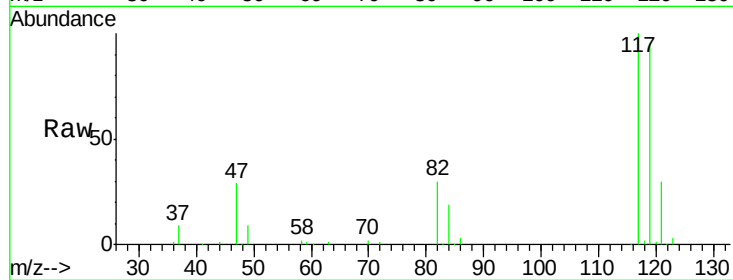
VSTD00517

Tgt Ion:117 Resp: 69983

Ion Ratio Lower Upper

117 100

119 94.9 77.7 116.5



#33

Benzene

Concen: 4.845 ug/L

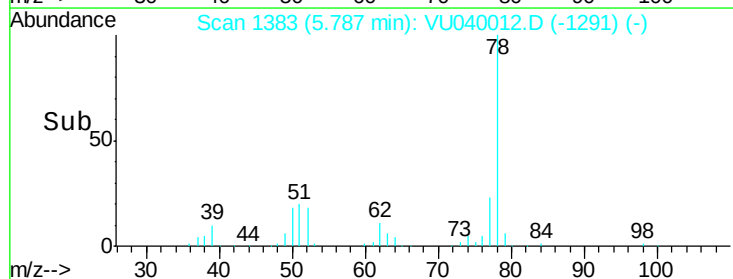
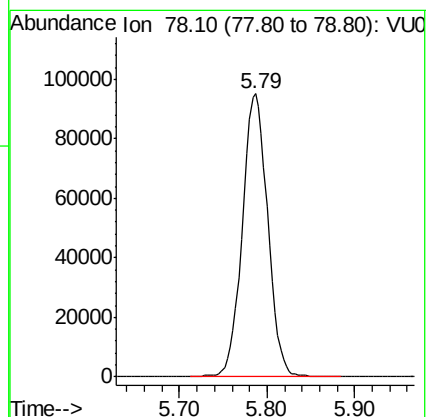
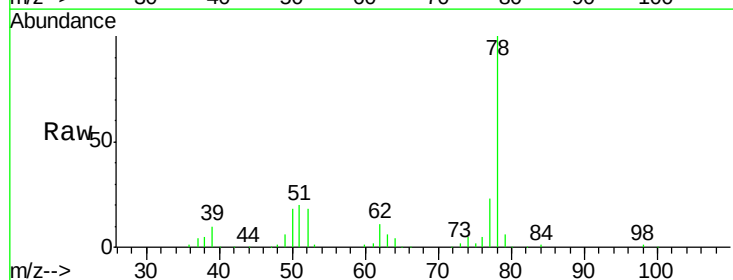
RT: 5.79 min Scan# 1383

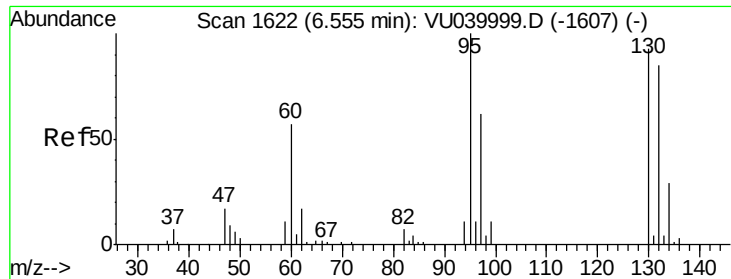
Delta R.T. -0.00 min

Lab File: VU040012.D

Acq: 01 Sep 2020 15:30

Tgt Ion: 78 Resp: 191952

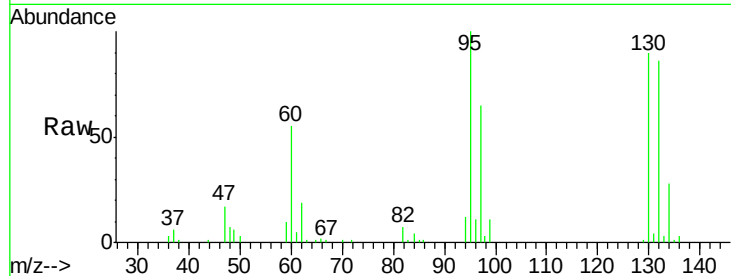




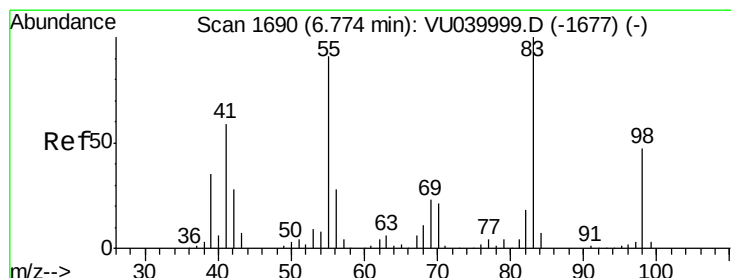
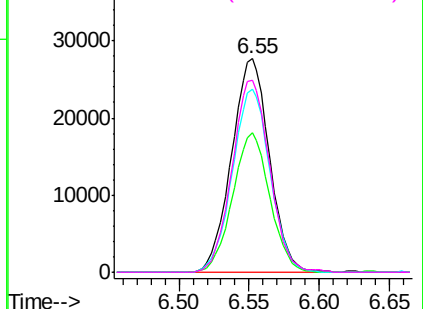
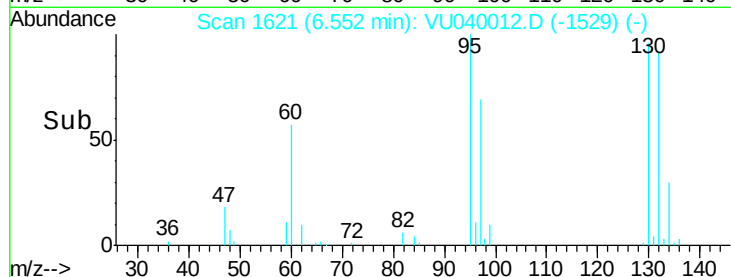
#34
 Trichloroethene
 Concen: 4.892 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU040012.D
 Acq: 01 Sep 2020 15:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00517

Tgt Ion: 95 Resp: 51986
 Ion Ratio Lower Upper
 95 100
 97 65.0 43.3 80.5
 132 85.8 59.4 110.4
 130 90.0 64.8 120.4

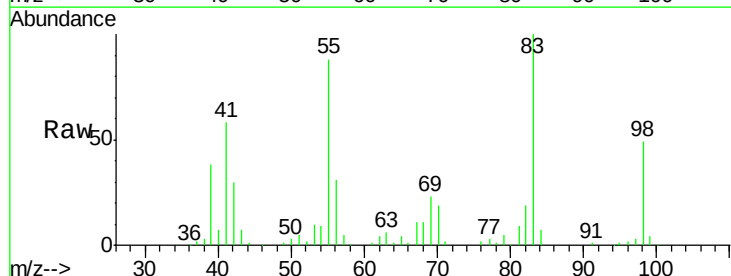


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

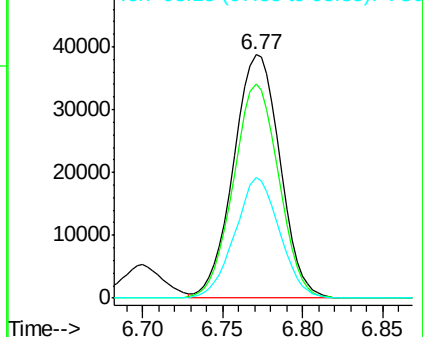
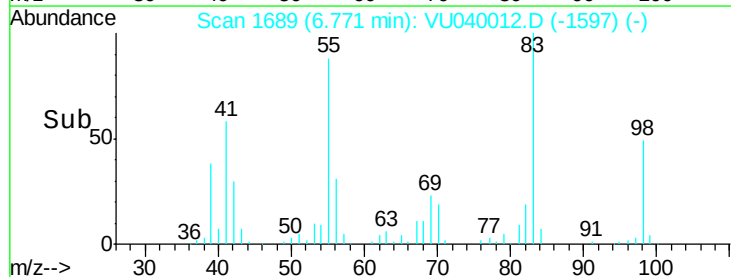


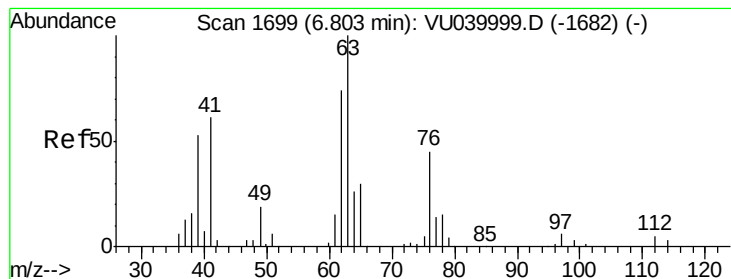
#35
 Methylcyclohexane
 Concen: 4.729 ug/L
 RT: 6.77 min Scan# 1689
 Delta R.T. -0.00 min
 Lab File: VU040012.D
 Acq: 01 Sep 2020 15:30

Tgt Ion: 83 Resp: 76965
 Ion Ratio Lower Upper
 83 100
 55 85.9 70.5 105.7
 98 47.5 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: 5.068 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VU040012.D

Acq: 01 Sep 2020 15:30

Instrument :

MSVOA_U

ClientSampleId :

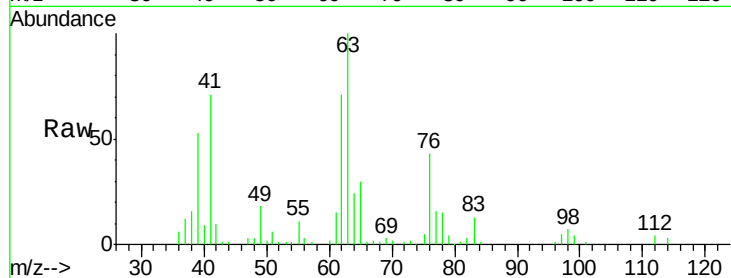
VSTD00517

Tgt Ion: 63 Resp: 54367

Ion Ratio Lower Upper

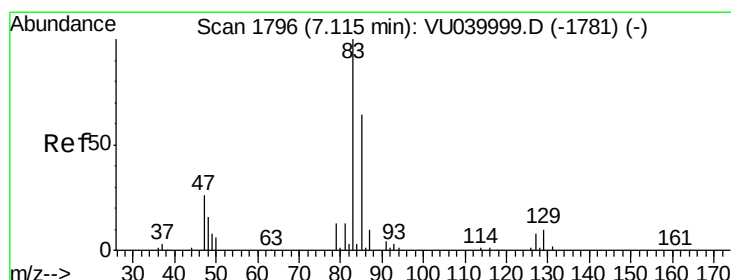
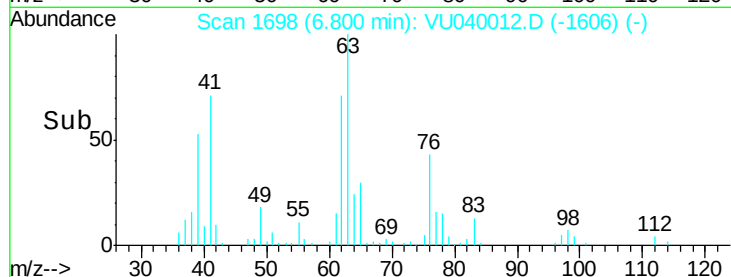
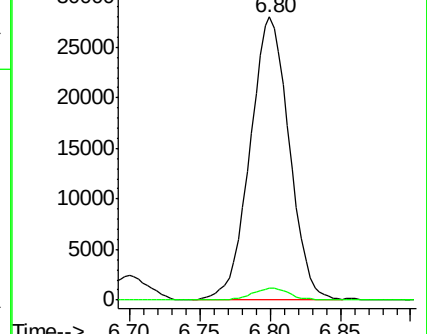
63 100

112 4.0 3.2 4.8



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V



#38

Bromodichloromethane

Concen: 4.806 ug/L

RT: 7.11 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VU040012.D

Acq: 01 Sep 2020 15:30

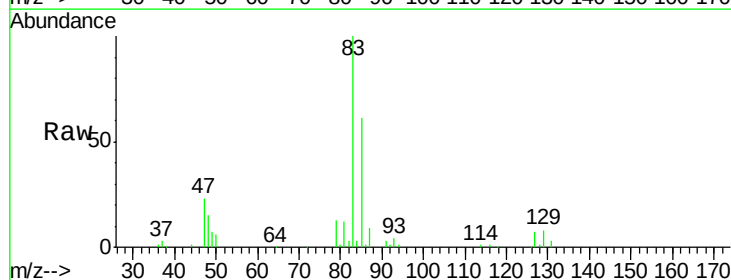
Tgt Ion: 83 Resp: 70391

Ion Ratio Lower Upper

83 100

85 60.7 45.1 83.9

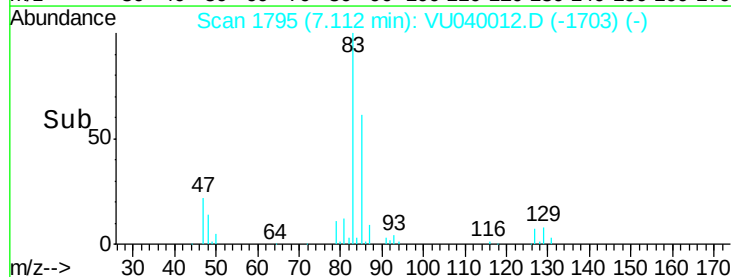
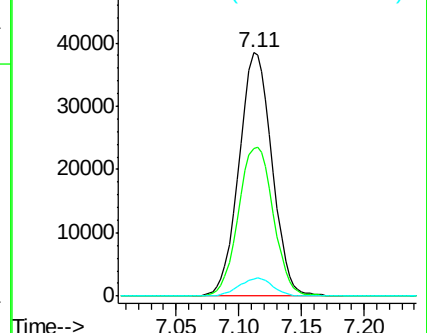
127 7.1 6.7 10.1

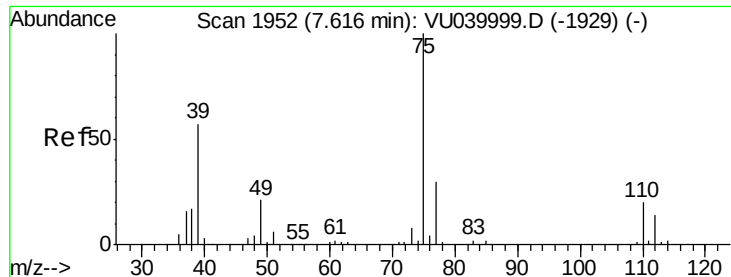


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 126.90 (126.60 to 127.60): V

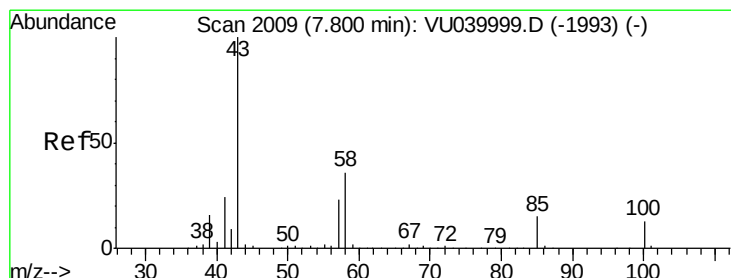
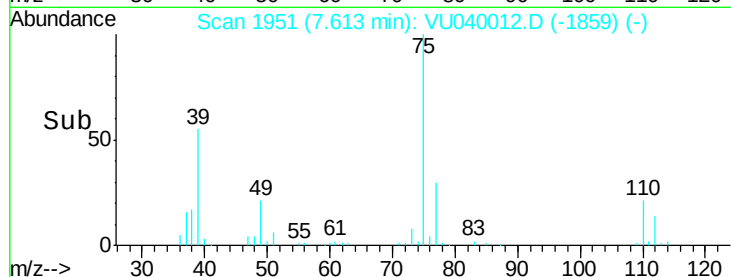
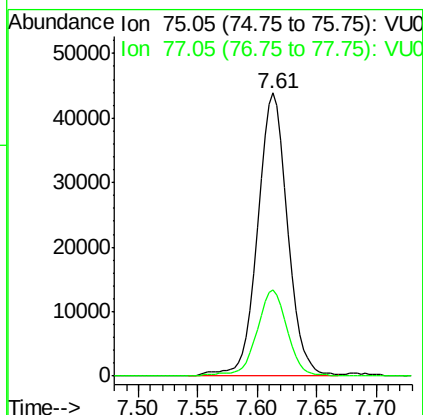
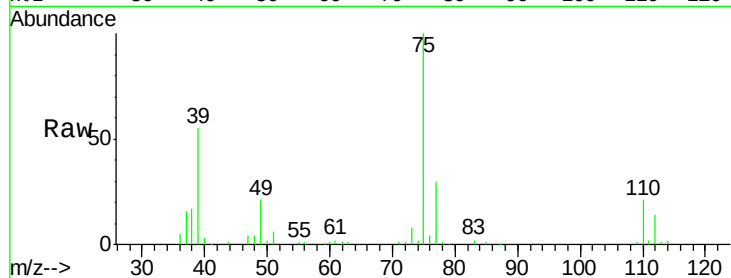




#39
 cis-1,3-Dichloropropene
 Concen: 4.837 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VU040012.D
 Acq: 01 Sep 2020 15:30

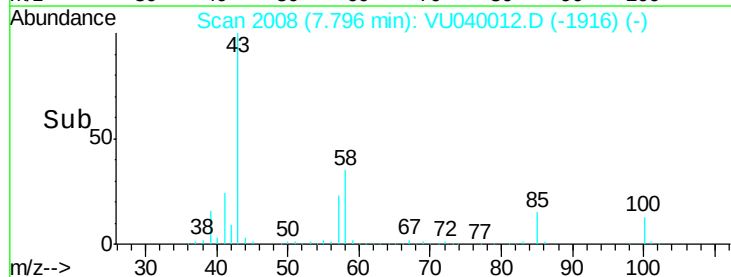
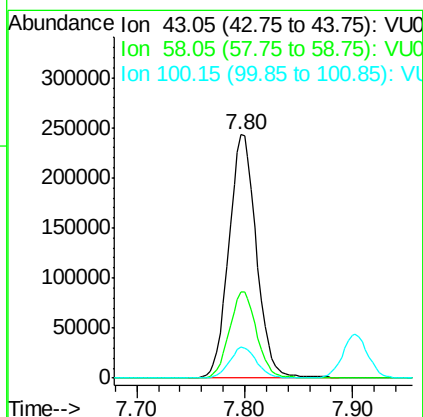
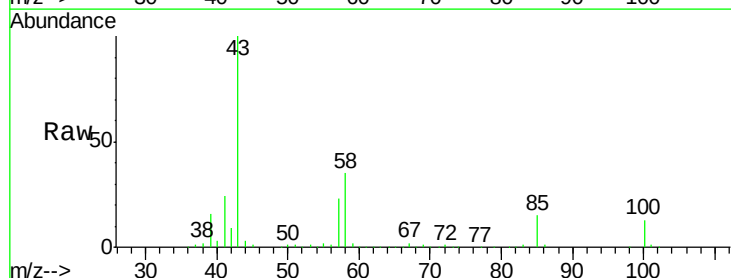
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00517

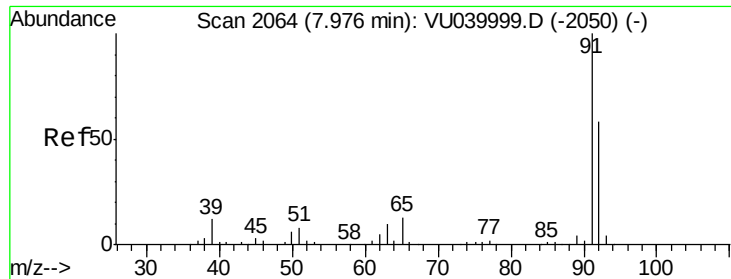
Tgt Ion: 75 Resp: 76523
 Ion Ratio Lower Upper
 75 100
 77 30.4 21.1 39.3



#40
 4-Methyl-2-pentanone
 Concen: 49.220 ug/L
 RT: 7.80 min Scan# 2008
 Delta R.T. -0.00 min
 Lab File: VU040012.D
 Acq: 01 Sep 2020 15:30

Tgt Ion: 43 Resp: 433248
 Ion Ratio Lower Upper
 43 100
 58 35.2 28.7 43.1
 100 12.6 10.2 15.2





#42

Toluene

Concen: 4.946 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU040012.D

Acq: 01 Sep 2020 15:30

Instrument :

MSVOA_U

ClientSampleId :

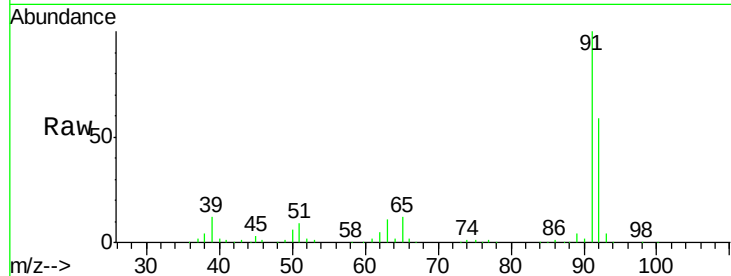
VSTD00517

Tgt Ion: 91 Resp: 201803

Ion Ratio Lower Upper

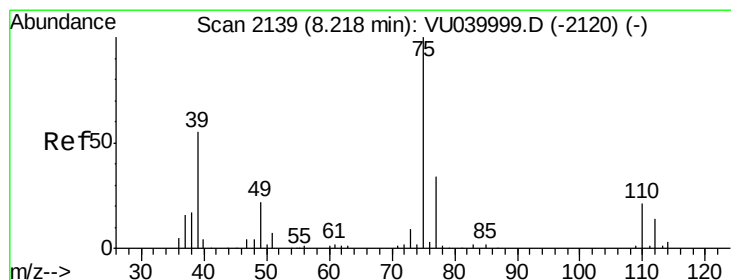
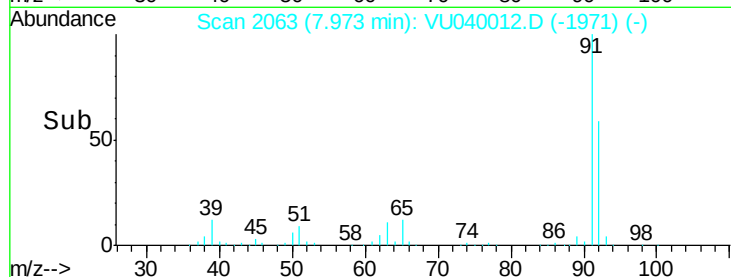
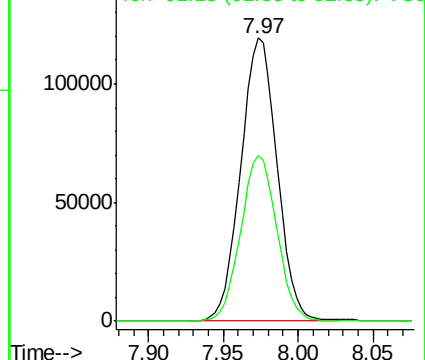
91 100

92 58.6 40.7 75.5



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 4.711 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU040012.D

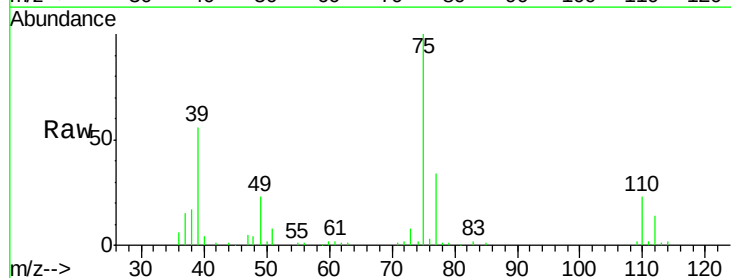
Acq: 01 Sep 2020 15:30

Tgt Ion: 75 Resp: 69061

Ion Ratio Lower Upper

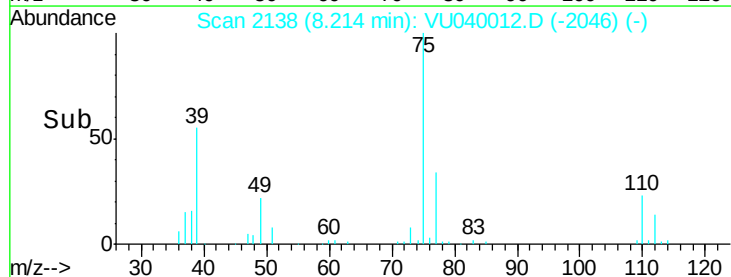
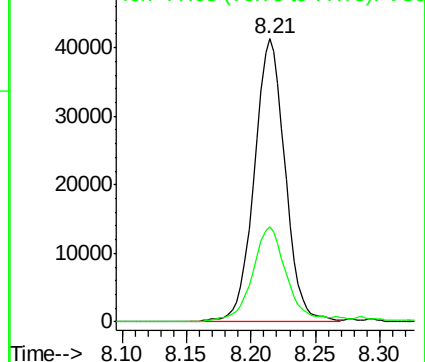
75 100

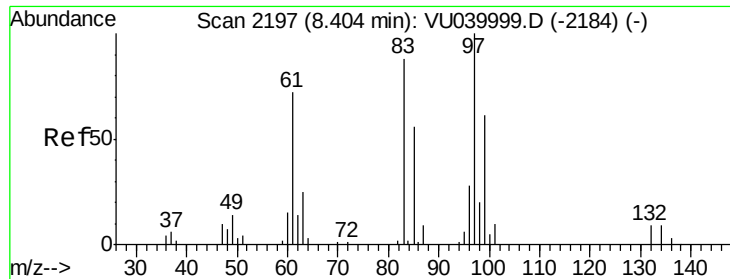
77 33.7 23.9 44.3



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: 4.884 ug/L

RT: 8.40 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VU040012.D

Acq: 01 Sep 2020 15:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD00517

Tgt Ion: 97 Resp: 38170

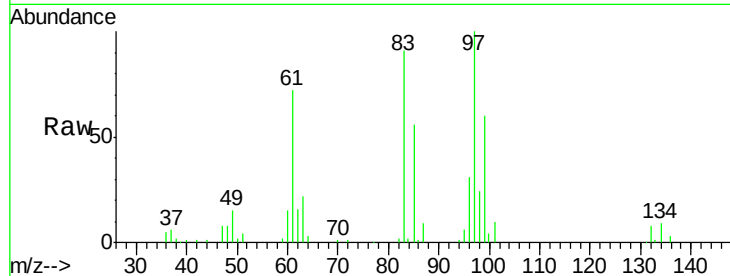
Ion Ratio Lower Upper

97 100

99 60.3 43.0 79.8

83 90.6 61.7 114.7

85 55.8 39.3 73.1

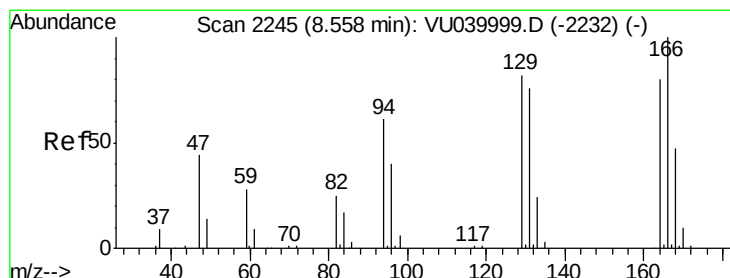
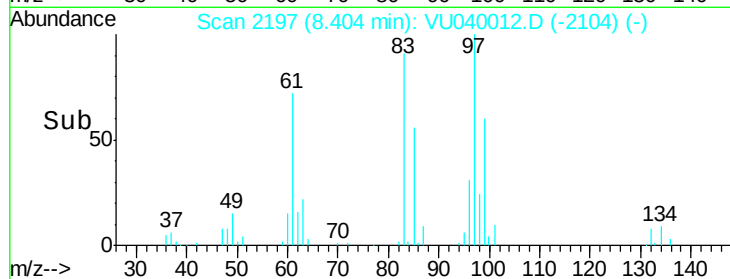
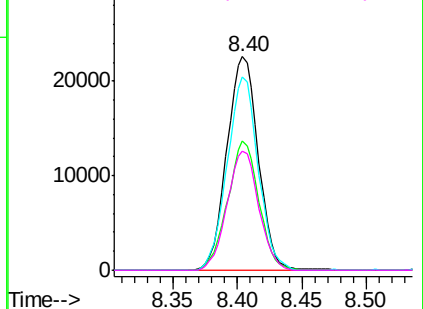


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 4.728 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VU040012.D

Acq: 01 Sep 2020 15:30

Tgt Ion: 164 Resp: 33005

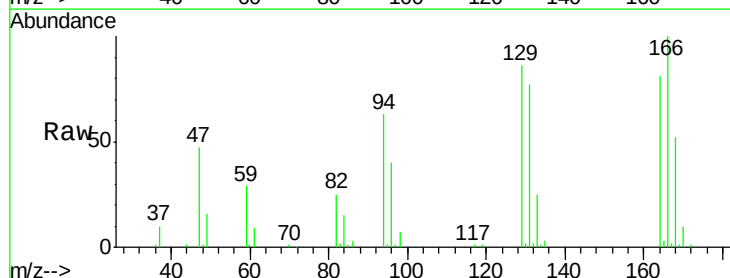
Ion Ratio Lower Upper

164 100

129 106.1 71.5 132.7

131 94.8 65.9 122.5

166 123.5 87.3 162.1

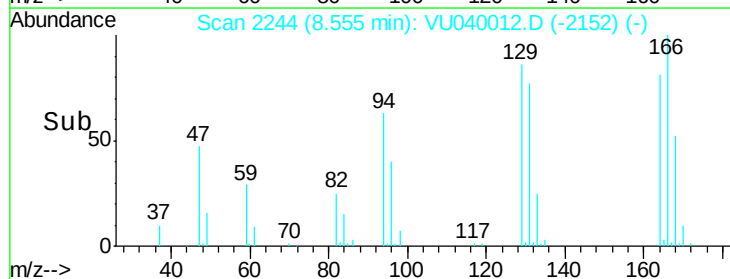
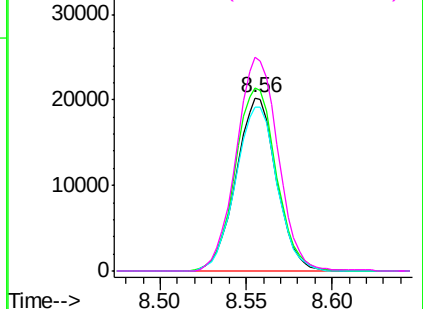


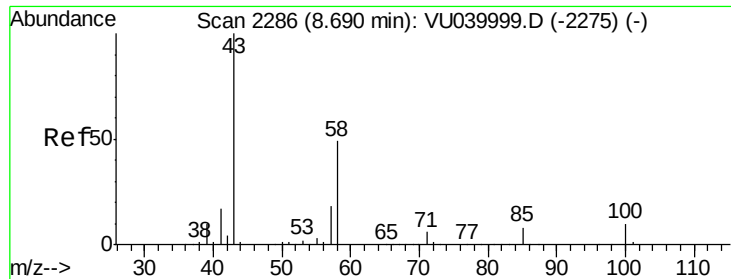
Abundance Ion 163.90 (163.60 to 164.60): V

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

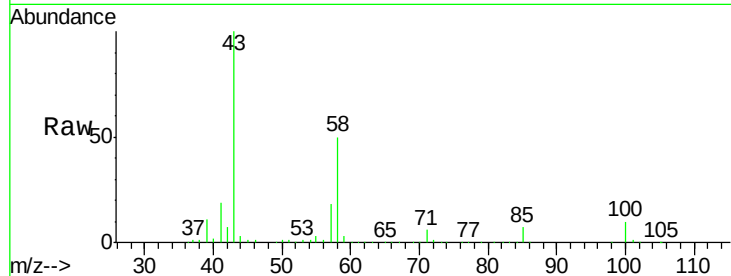




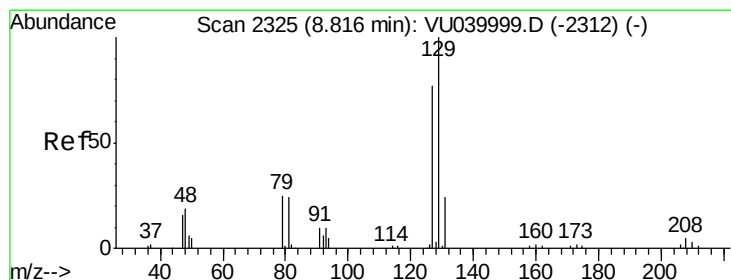
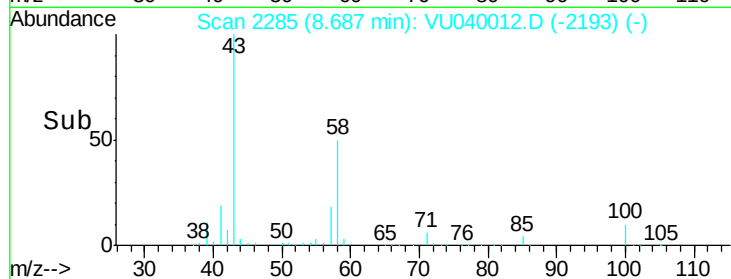
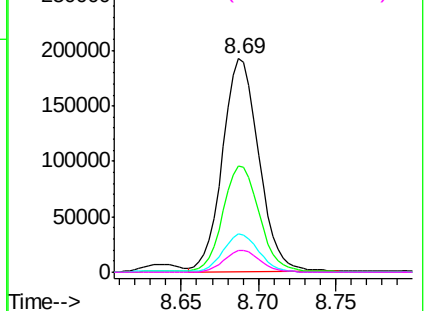
#48
2-Hexanone
Concen: 48.708 ug/L
RT: 8.69 min Scan# 2285
Delta R.T. -0.00 min
Lab File: VU040012.D
Acq: 01 Sep 2020 15:30

Instrument :
MSVOA_U
ClientSampleId :
VSTD00517

Tgt Ion: 43 Resp: 312739
Ion Ratio Lower Upper
43 100
58 50.4 39.6 59.4
57 17.8 14.3 21.5
100 10.2 8.0 12.0

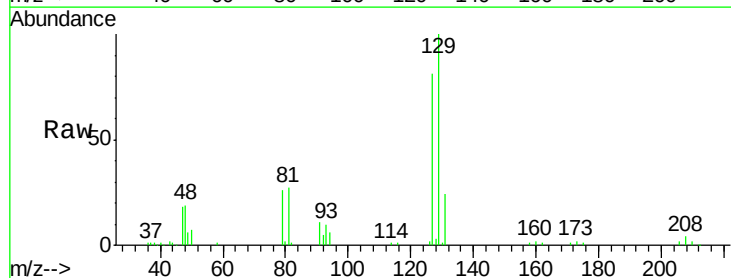


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

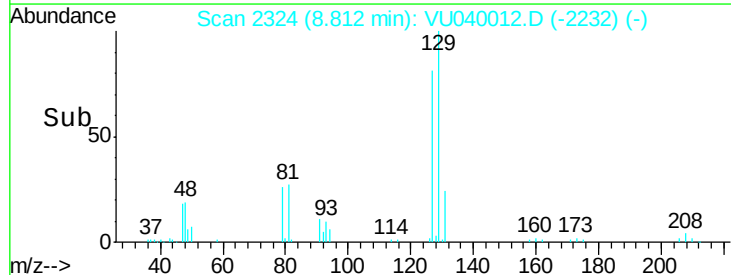
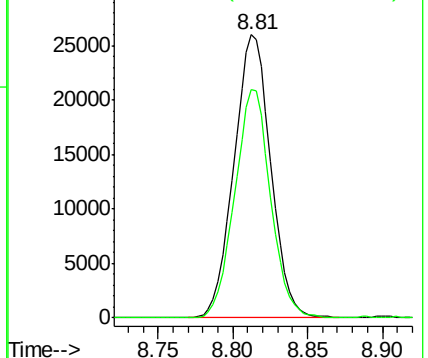


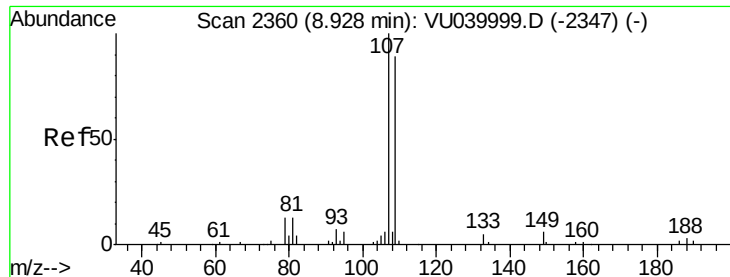
#49
Dibromochloromethane
Concen: 4.739 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU040012.D
Acq: 01 Sep 2020 15:30

Tgt Ion: 129 Resp: 44459
Ion Ratio Lower Upper
129 100
127 80.7 53.7 99.7



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

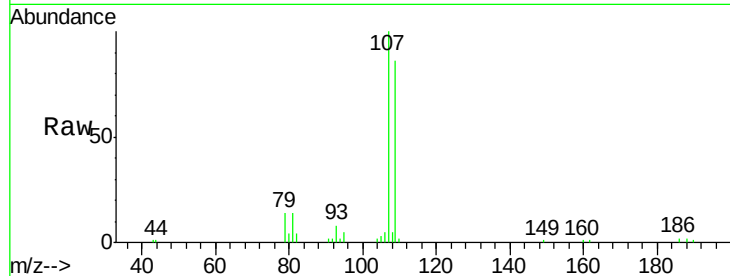




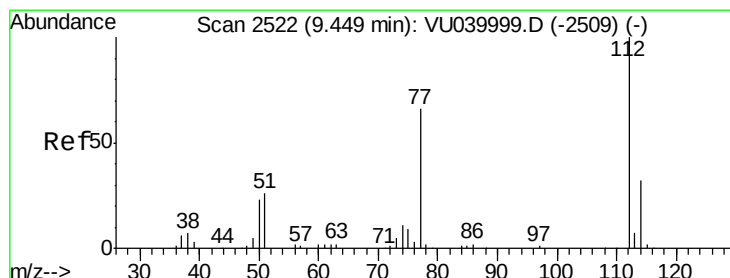
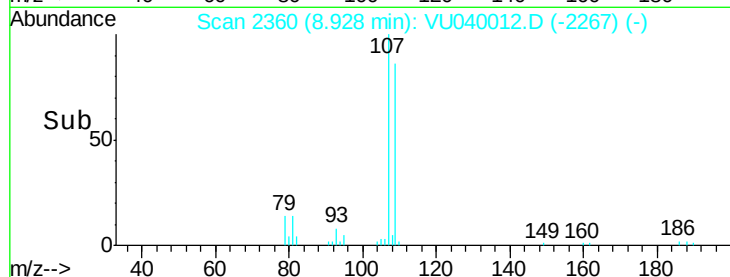
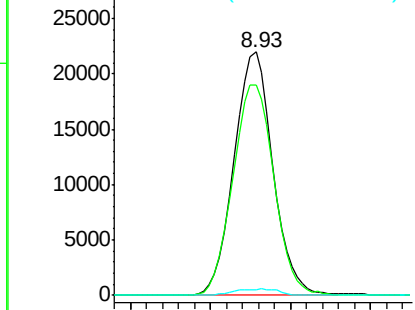
#50
1,2-Dibromoethane
Concen: 4.823 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. 0.00 min
Lab File: VU040012.D
Acq: 01 Sep 2020 15:30

Instrument :
MSVOA_U
ClientSampleId :
VSTD00517

Tgt Ion:107 Resp: 36342
Ion Ratio Lower Upper
107 100
109 86.3 62.4 115.8
188 2.5 2.3 3.5

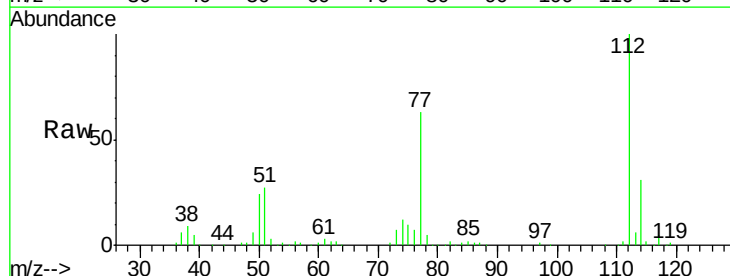


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

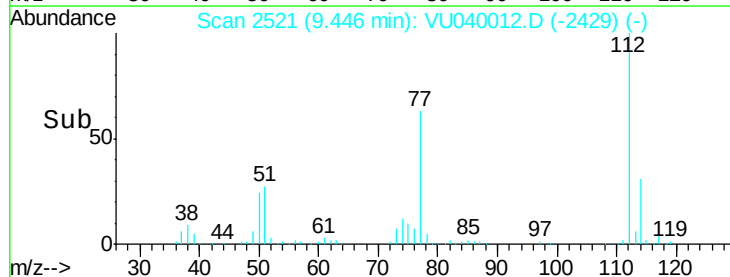
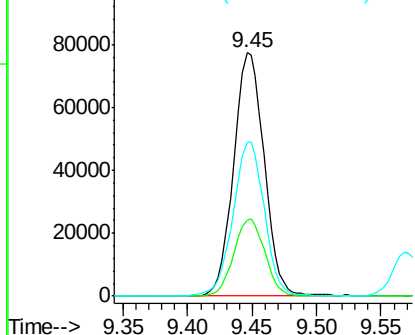


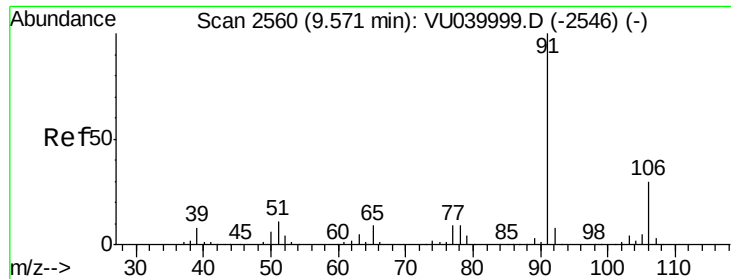
#51
Chlorobenzene
Concen: 5.051 ug/L
RT: 9.45 min Scan# 2521
Delta R.T. -0.00 min
Lab File: VU040012.D
Acq: 01 Sep 2020 15:30

Tgt Ion:112 Resp: 127953
Ion Ratio Lower Upper
112 100
114 31.3 22.7 42.3
77 63.2 53.2 79.8



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





#52

Ethylbenzene

Concen: 4.840 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU040012.D

Acq: 01 Sep 2020 15:30

Instrument :

MSVOA_U

ClientSampleId :

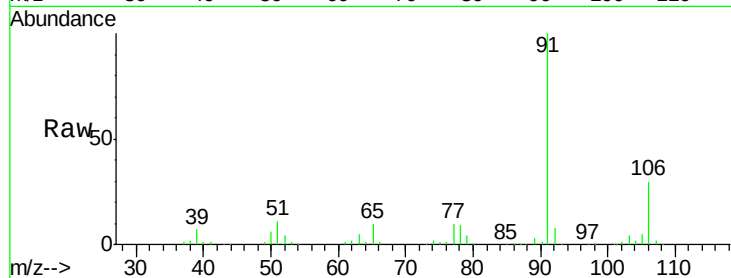
VSTD00517

Tgt Ion: 91 Resp: 224394

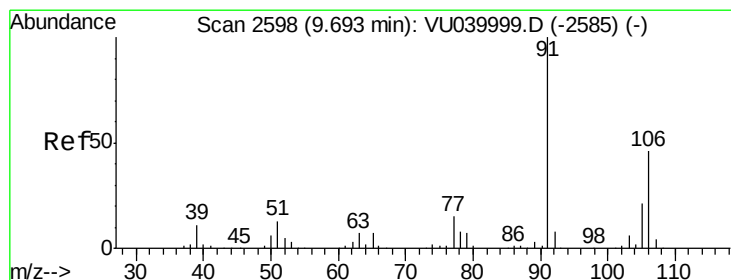
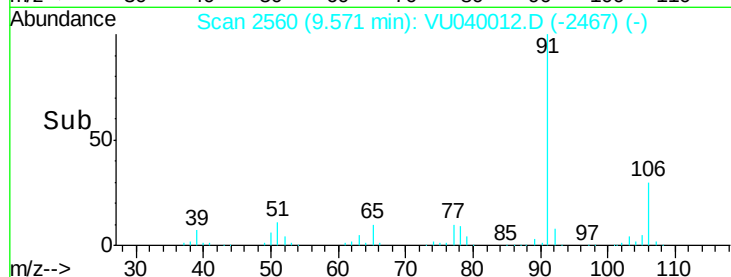
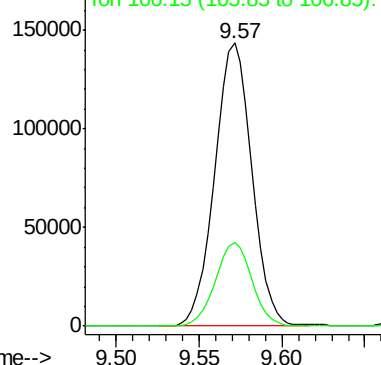
Ion Ratio Lower Upper

91 100

106 29.6 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU040012.D (-2546) (-)



#53

m,p-Xylene

Concen: 5.159 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU040012.D

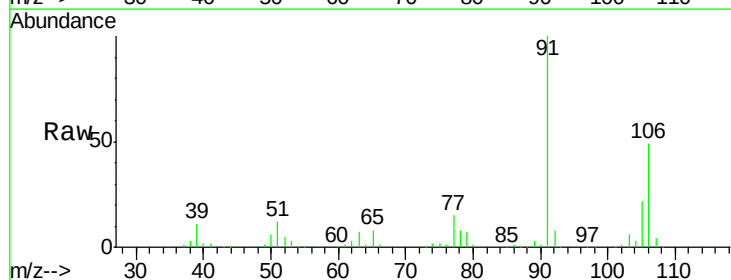
Acq: 01 Sep 2020 15:30

Tgt Ion: 106 Resp: 85160

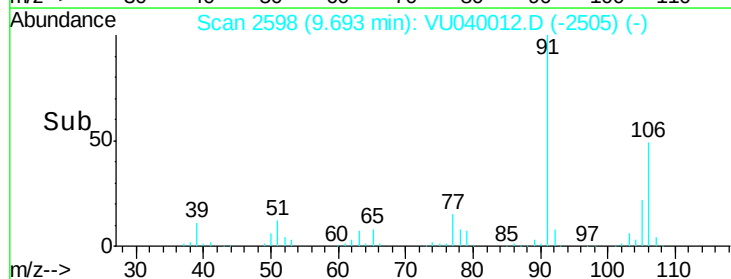
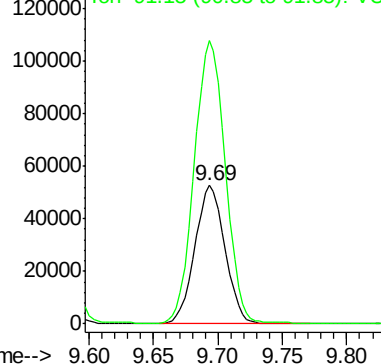
Ion Ratio Lower Upper

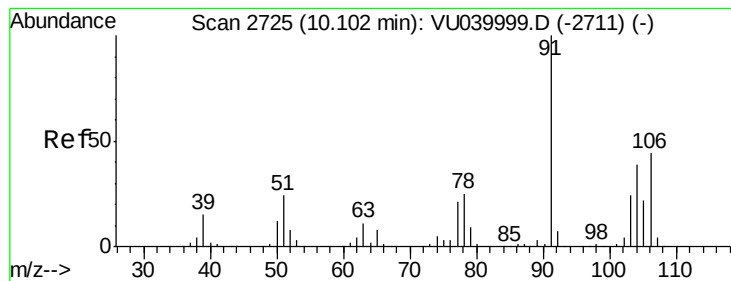
106 100

91 204.6 151.7 281.7



Abundance Ion 106.15 (105.85 to 106.85): VU040012.D (-2585) (-)





#54

o-Xylene

Concen: 5.063 ug/L

RT: 10.10 min Scan# 2724

Delta R.T. -0.00 min

Lab File: VU040012.D

Acq: 01 Sep 2020 15:30

Instrument :

MSVOA_U

ClientSampleId :

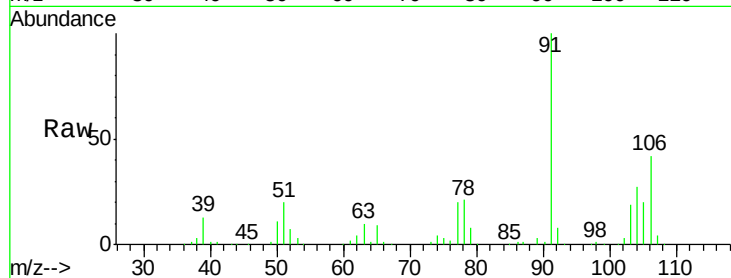
VSTD00517

Tgt Ion:106 Resp: 79641

Ion Ratio Lower Upper

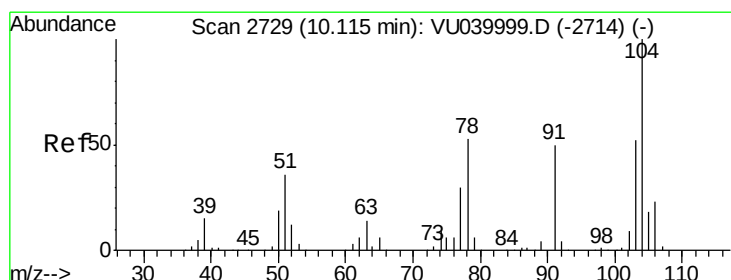
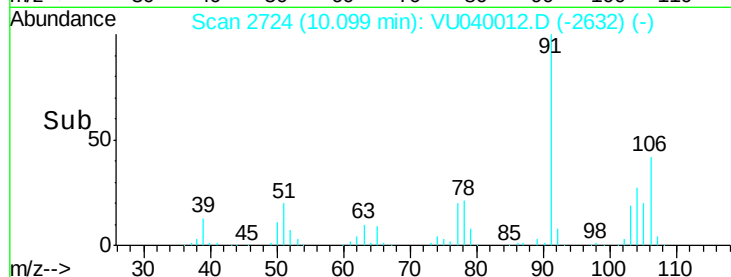
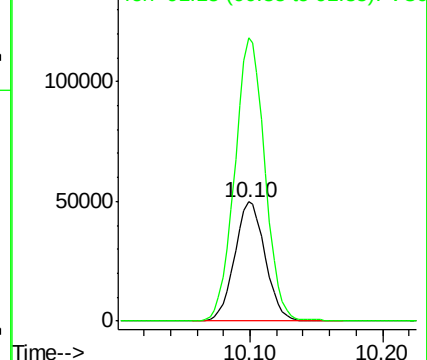
106 100

91 237.0 160.8 298.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 5.153 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. 0.00 min

Lab File: VU040012.D

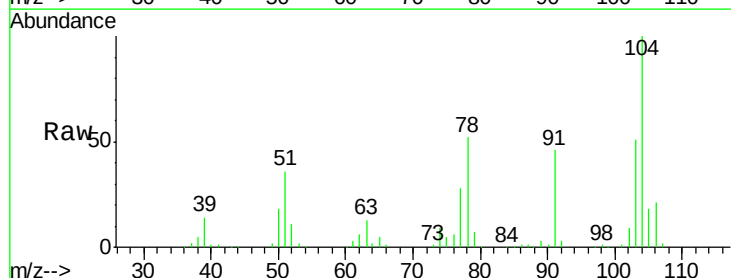
Acq: 01 Sep 2020 15:30

Tgt Ion:104 Resp: 140938

Ion Ratio Lower Upper

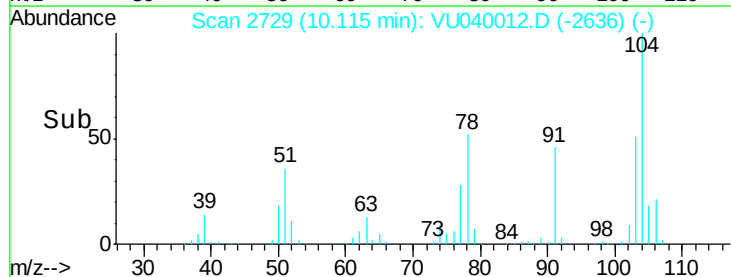
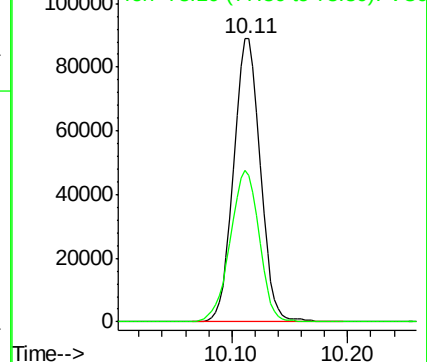
104 100

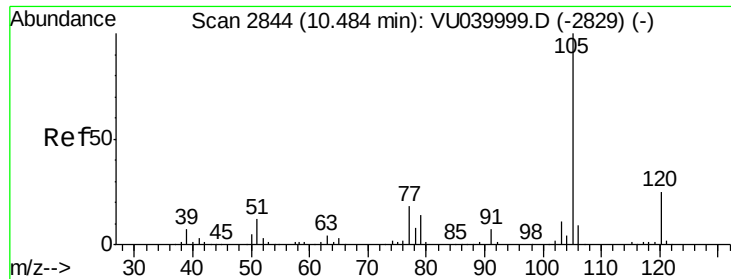
78 51.5 36.8 68.3



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 5.236 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU040012.D

Acq: 01 Sep 2020 15:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD00517

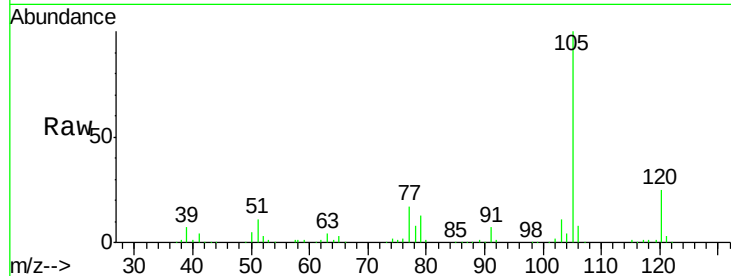
Tgt Ion: 105 Resp: 224610

Ion Ratio Lower Upper

105 100

120 24.6 20.1 30.1

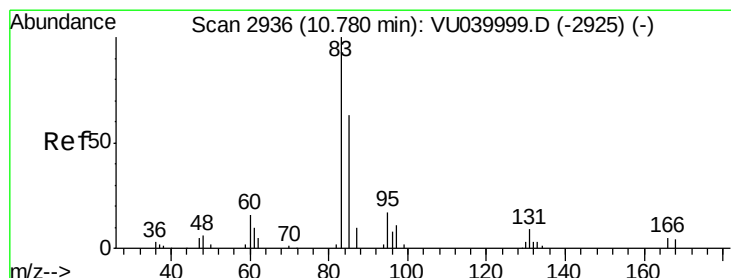
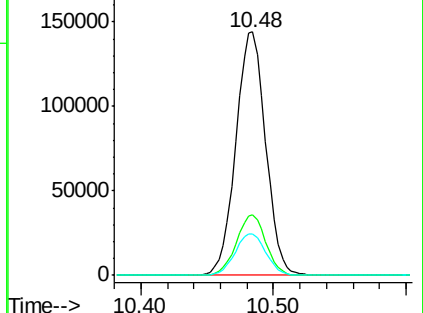
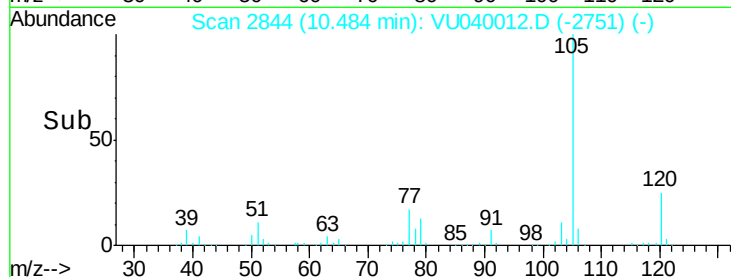
77 17.5 14.4 21.6



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: 4.953 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU040012.D

Acq: 01 Sep 2020 15:30

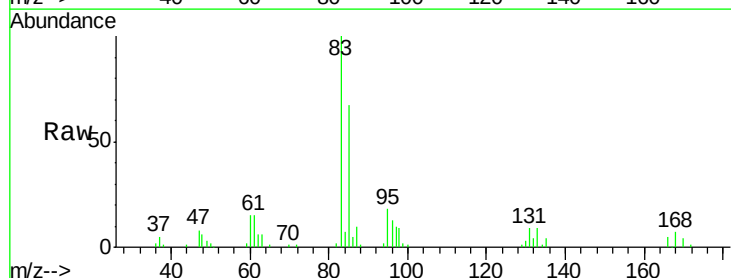
Tgt Ion: 83 Resp: 49634

Ion Ratio Lower Upper

83 100

85 67.0 44.9 83.3

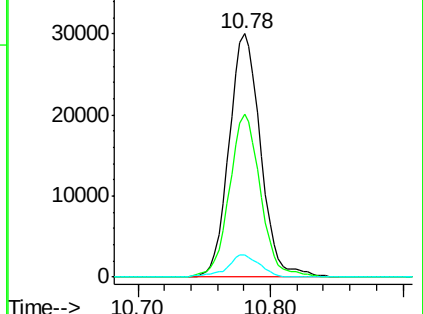
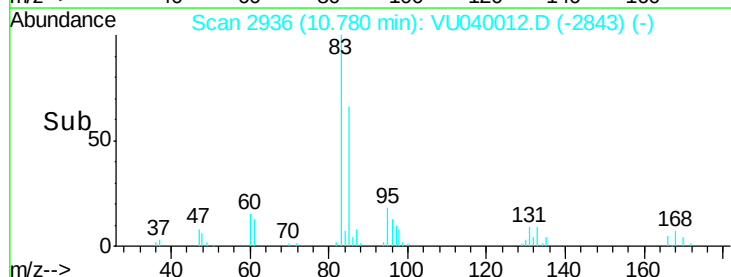
131 9.0 7.4 11.0

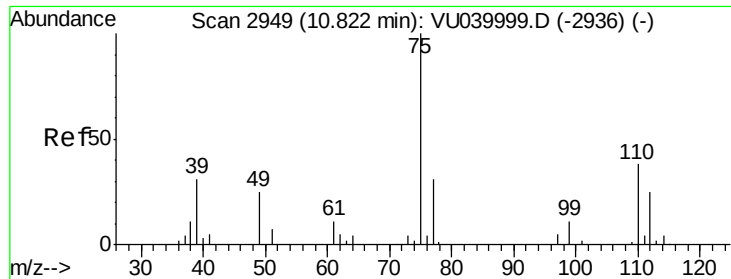


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.863 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU040012.D

Acq: 01 Sep 2020 15:30

Instrument :

MSVOA_U

ClientSampleId :

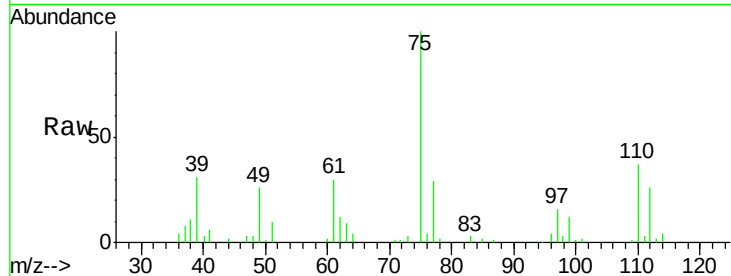
VSTD00517

Tgt Ion: 75 Resp: 38651

Ion Ratio Lower Upper

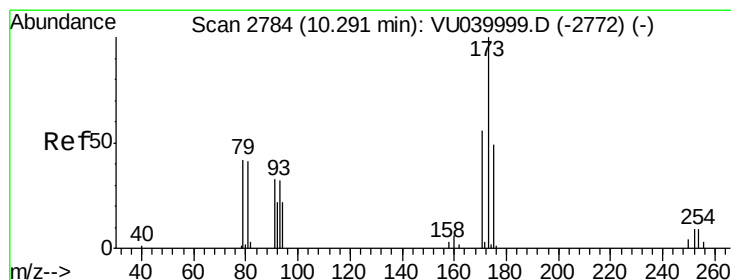
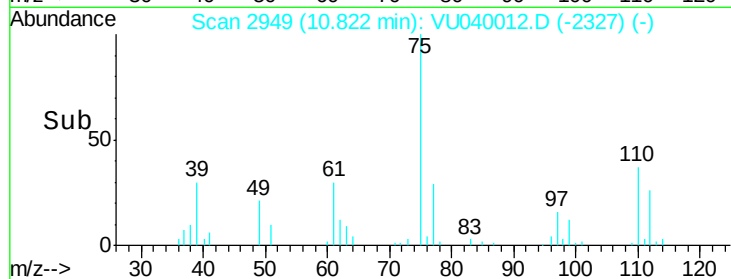
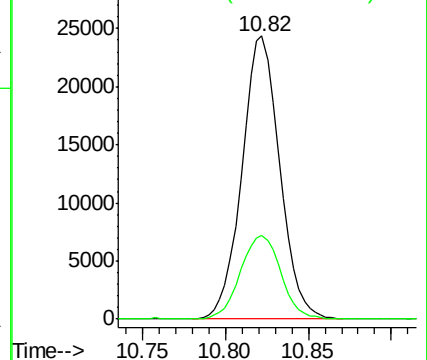
75 100

77 31.7 24.9 37.3



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#61

Bromoform

Concen: 4.653 ug/L

RT: 10.29 min Scan# 2783

Delta R.T. -0.00 min

Lab File: VU040012.D

Acq: 01 Sep 2020 15:30

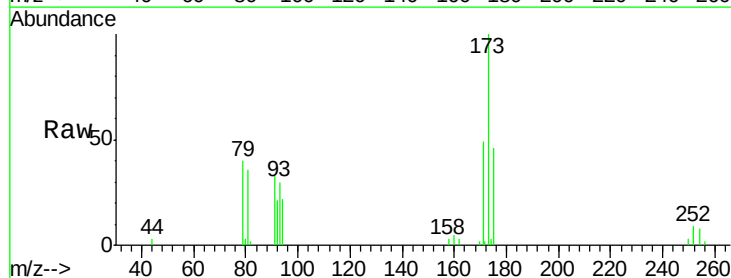
Tgt Ion: 173 Resp: 23861

Ion Ratio Lower Upper

173 100

175 48.5 37.8 56.6

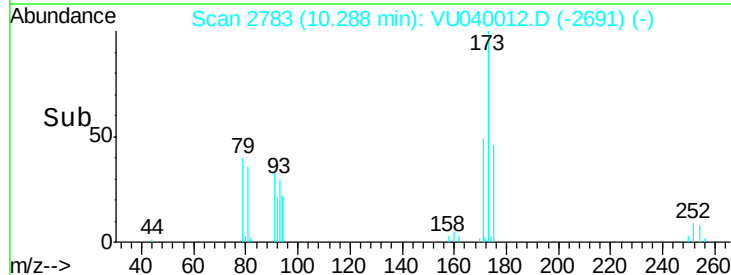
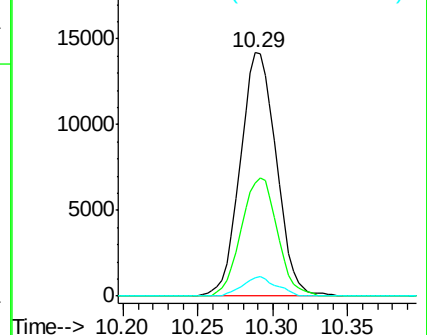
254 7.3 6.8 10.2

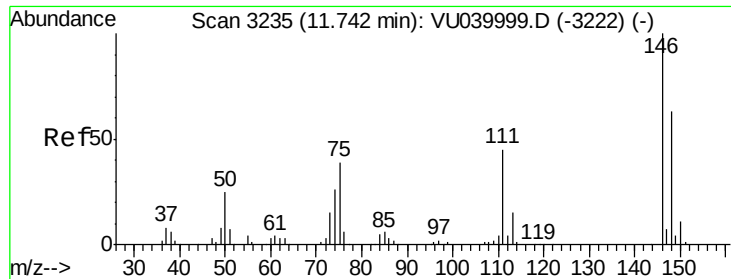


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V

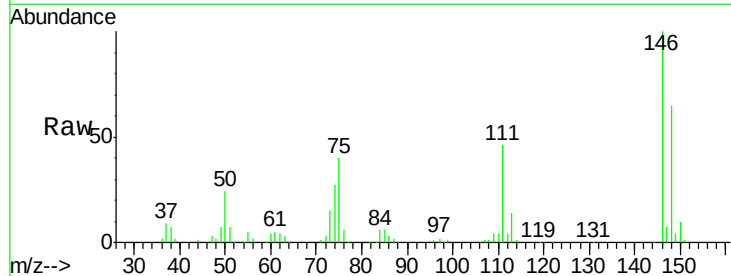




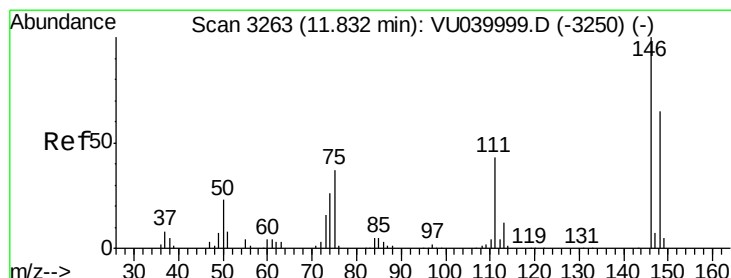
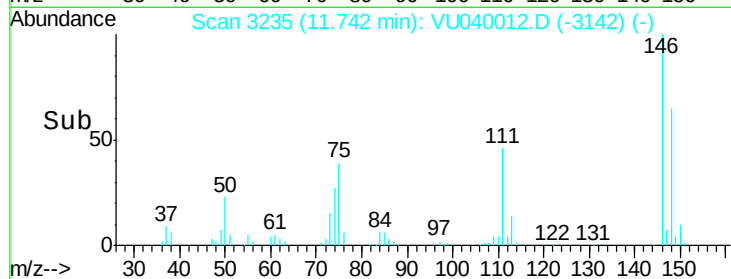
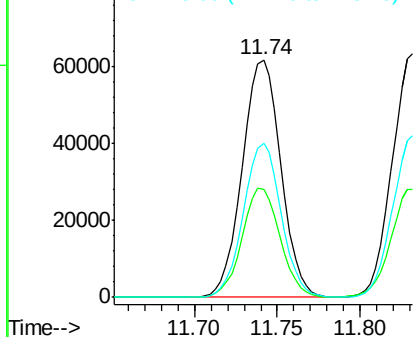
#62
 1,3-Dichlorobenzene
 Concen: 4.907 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU040012.D
 Acq: 01 Sep 2020 15:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00517

Tgt Ion:146 Resp: 100257
 Ion Ratio Lower Upper
 146 100
 111 45.7 31.6 58.8
 148 64.9 44.2 82.0

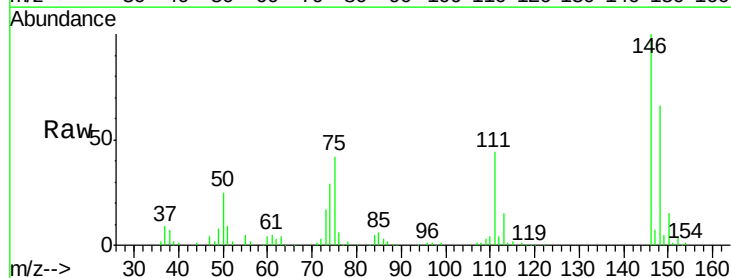


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

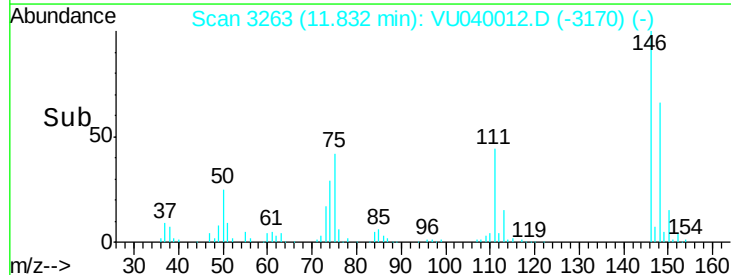
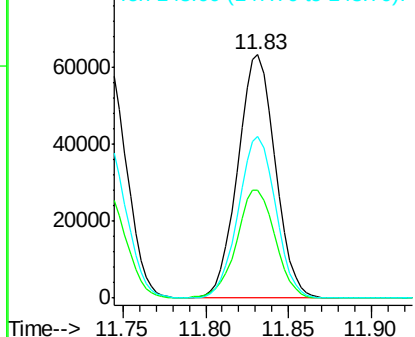


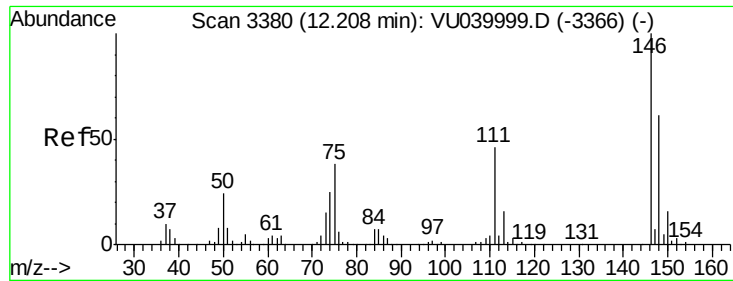
#63
 1,4-Dichlorobenzene
 Concen: 4.819 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU040012.D
 Acq: 01 Sep 2020 15:30

Tgt Ion:146 Resp: 99630
 Ion Ratio Lower Upper
 146 100
 111 44.2 30.5 56.7
 148 66.3 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

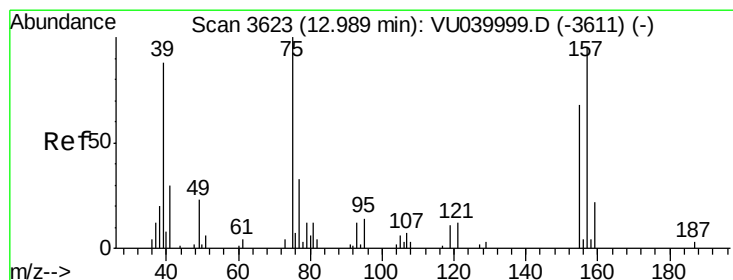
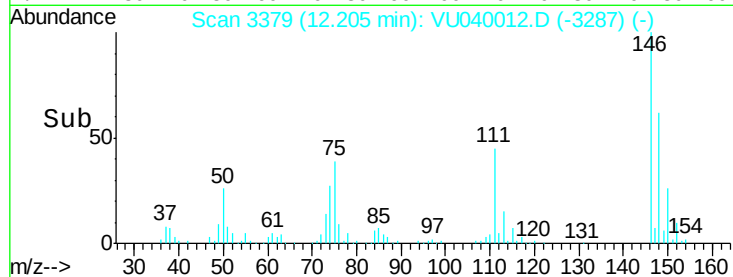
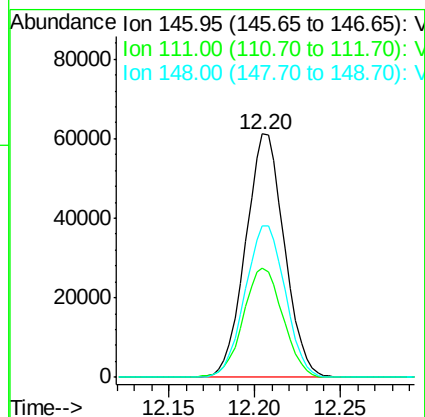
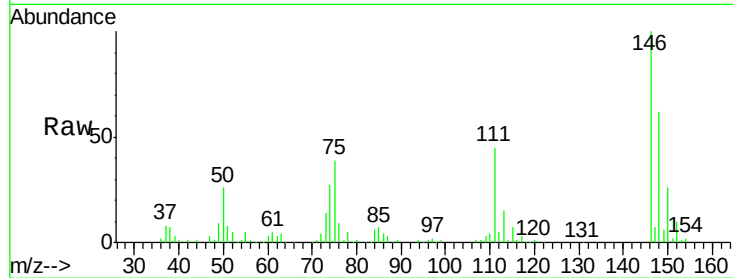




#65
 1,2-Dichlorobenzene
 Concen: 4.842 ug/L
 RT: 12.20 min Scan# 3379
 Delta R.T. -0.00 min
 Lab File: VU040012.D
 Acq: 01 Sep 2020 15:30

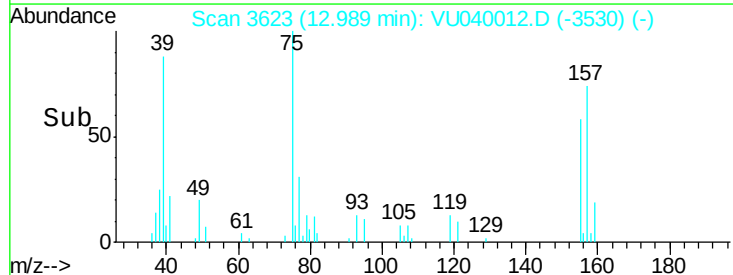
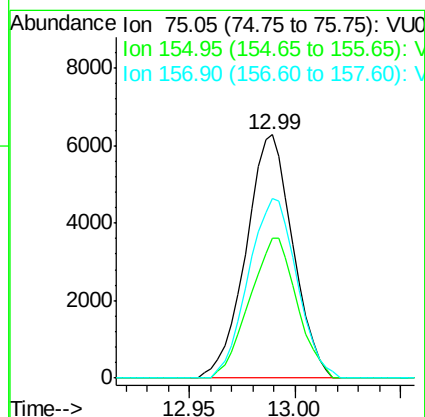
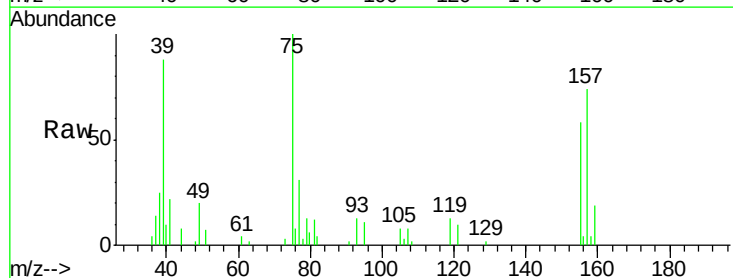
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00517

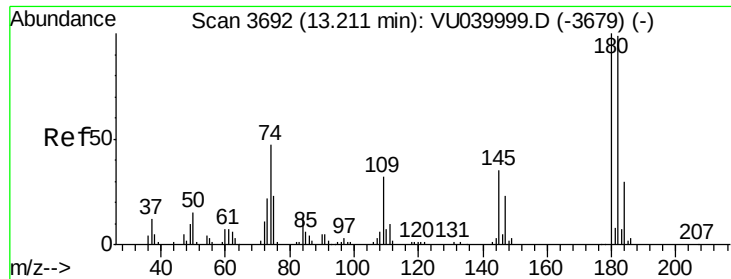
Tgt Ion: 146 Resp: 95724
 Ion Ratio Lower Upper
 146 100
 111 45.1 36.5 54.7
 148 62.2 48.6 72.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.583 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU040012.D
 Acq: 01 Sep 2020 15:30

Tgt Ion: 75 Resp: 9690
 Ion Ratio Lower Upper
 75 100
 155 57.5 54.6 82.0
 157 73.6 75.6 113.4#

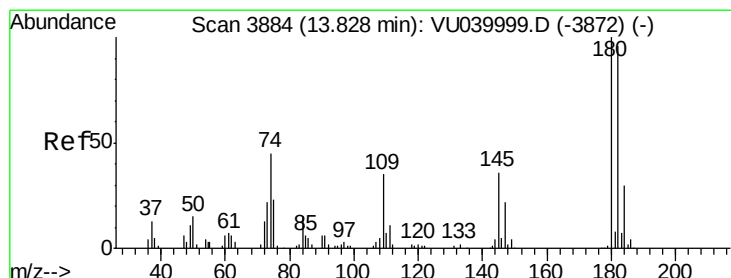
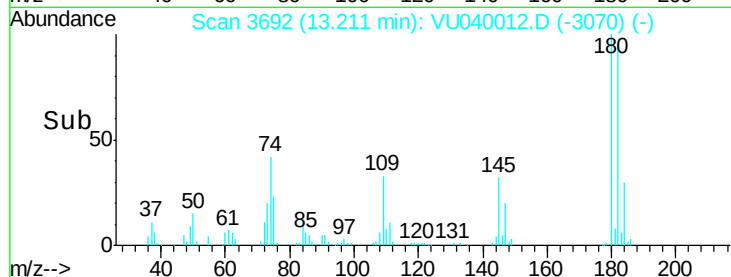
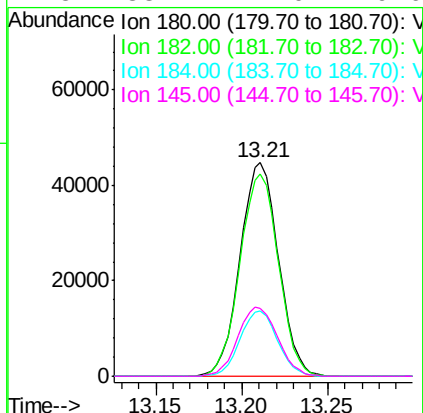
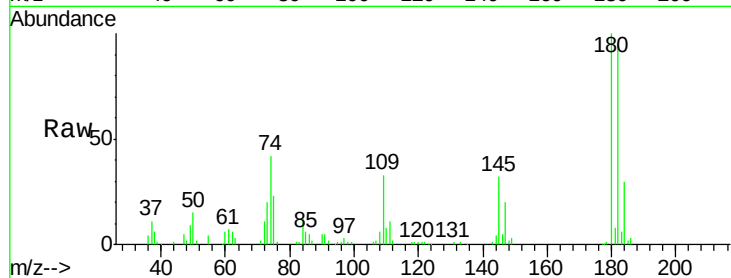




#67
 1,3,5-Trichlorobenzene
 Concen: 4.845 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU040012.D
 Acq: 01 Sep 2020 15:30

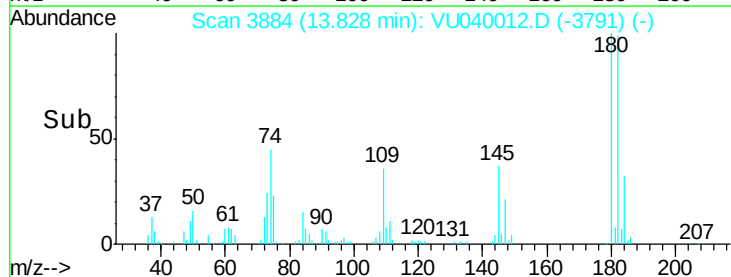
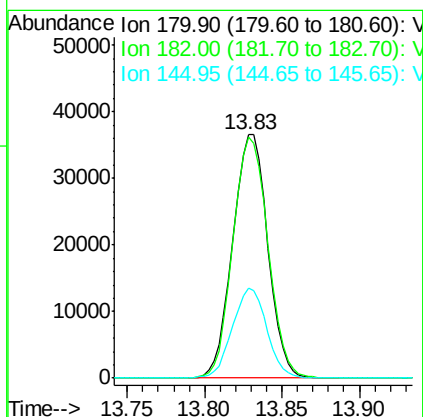
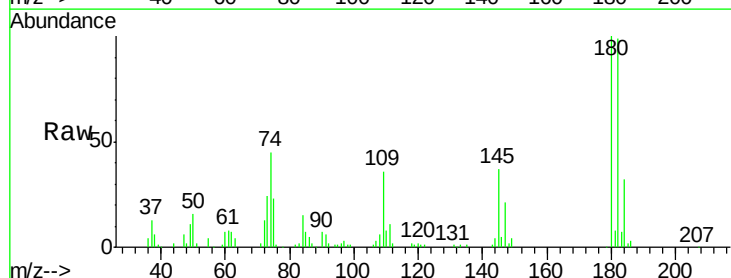
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00517

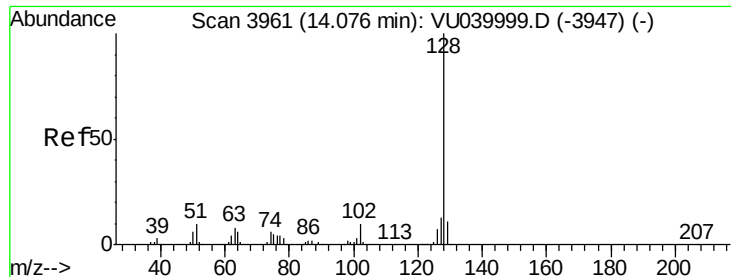
Tgt Ion:180 Resp: 69615
 Ion Ratio Lower Upper
 180 100
 182 95.2 76.9 115.3
 184 29.9 24.6 36.8
 145 33.4 27.0 40.6



#68
 1,2,4-trichlorobenzene
 Concen: 4.651 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU040012.D
 Acq: 01 Sep 2020 15:30

Tgt Ion:180 Resp: 57558
 Ion Ratio Lower Upper
 180 100
 182 98.7 76.0 114.0
 145 36.1 28.4 42.6





#69

Naphthalene

Concen: 4.391 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU040012.D

Acq: 01 Sep 2020 15:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD00517

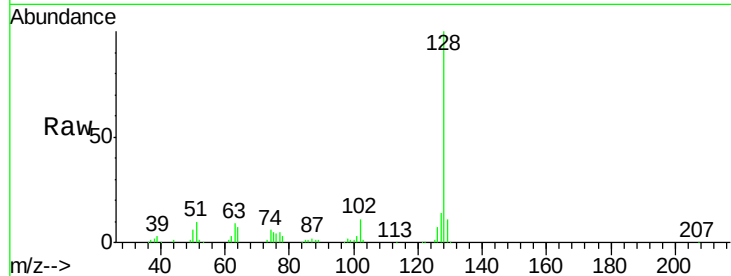
Tgt Ion:128 Resp: 113278

Ion Ratio Lower Upper

128 100

129 10.7 8.7 13.1

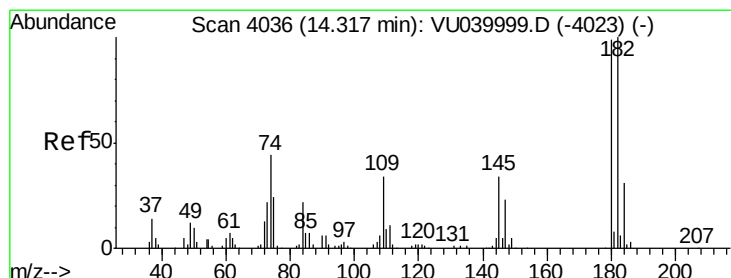
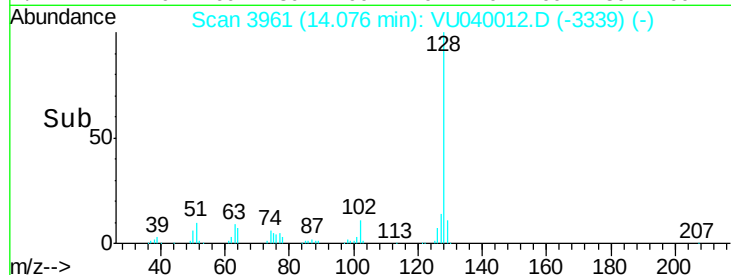
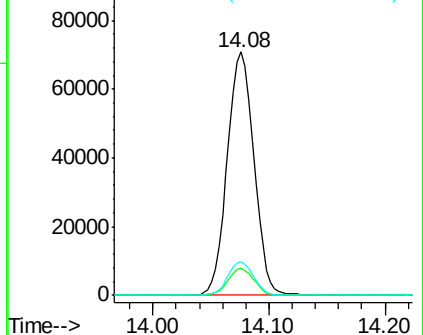
127 13.3 10.7 16.1



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: 4.635 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. 0.00 min

Lab File: VU040012.D

Acq: 01 Sep 2020 15:30

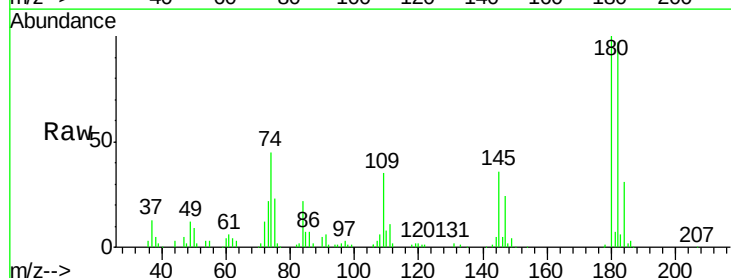
Tgt Ion:180 Resp: 52688

Ion Ratio Lower Upper

180 100

182 97.1 77.8 116.6

145 37.3 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

