

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU082420\
 Data File : VU039945.D
 Acq On : 24 Aug 2020 14:22
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

Quant Time: Aug 24 15:44:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR081920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Aug 22 00:45:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	74964	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	72188	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	38391	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	27957	4.27	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.40%
7) Chloroethane-d5	1.92	69	23625	4.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.20%
11) 1,1-Dichloroethene-d2	2.58	63	60941	4.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.20%
20) 2-Butanone-d5	4.66	46	84777	40.51	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	81.02%
24) Chloroform-d	5.08	84	55680	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.20%
26) 1,2-Dichloroethane-d4	5.72	65	30607	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.40%
32) Benzene-d6	5.74	84	101577	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.60%
36) 1,2-Dichloropropane-d6	6.70	67	33189	4.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.60%
41) Toluene-d8	7.90	98	94384	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.20%
43) trans-1,3-Dichloropropene-	8.18	79	13962	4.69	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.80%
46) 2-Hexanone-d5	8.64	63	64907	42.99	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.98%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	26135	4.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	83.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	36276	4.79	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	38584	4.952	ug/L 99
3) Chloromethane	1.53	50	37743	4.281	ug/L 98
5) Vinyl chloride	1.61	62	39287	4.711	ug/L 95
6) Bromomethane	1.86	94	18353	3.854	ug/L 95
8) Chloroethane	1.94	64	24475	4.589	ug/L 97
9) Trichlorofluoromethane	2.15	101	64139	5.141	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	36798	5.362	ug/L 94
12) 1,1-Dichloroethene	2.59	96	32075	4.892	ug/L 95
13) Acetone	2.67	43	72398	50.632	ug/L # 47
14) Carbon disulfide	2.80	76	99832	4.711	ug/L 99
15) Methyl Acetate	2.97	43	17175	4.679	ug/L 99
16) Methylene chloride	3.06	84	37963	4.211	ug/L 98
17) Methyl tert-butyl Ether	3.38	73	85433	5.167	ug/L 97
18) trans-1,2-Dichloroethene	3.37	96	33293	4.890	ug/L 91
19) 1,1-Dichloroethane	3.89	63	66021	5.230	ug/L 98
21) 2-Butanone	4.74	43	111930	45.052	ug/L 97
22) cis-1,2-Dichloroethene	4.68	96	34847	4.888	ug/L 95

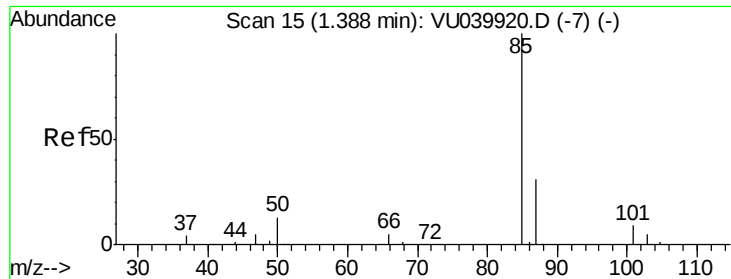
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU082420\
 Data File : VU039945.D
 Acq On : 24 Aug 2020 14:22
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

Quant Time: Aug 24 15:44:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR081920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Aug 22 00:45:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	16388	4.888	ug/L	94
25) Chloroform	5.11	83	65915	5.152	ug/L	99
27) 1,2-Dichloroethane	5.81	62	44254	4.929	ug/L	99
29) 1,1,1-Trichloroethane	5.33	97	57107	5.378	ug/L	99
30) Cyclohexane	5.40	56	56573	5.382	ug/L	97
31) Carbon tetrachloride	5.54	117	50184	5.353	ug/L	97
33) Benzene	5.79	78	136643	5.208	ug/L	100
34) Trichloroethene	6.55	95	35560	5.223	ug/L	94
35) Methylcyclohexane	6.77	83	57232	5.487	ug/L	99
37) 1,2-Dichloropropane	6.80	63	36657	5.258	ug/L #	97
38) Bromodichloromethane	7.11	83	49880	5.630	ug/L	99
39) cis-1,3-Dichloropropene	7.61	75	53195	5.460	ug/L	99
40) 4-Methyl-2-pentanone	7.80	43	262926	47.622	ug/L	99
42) Toluene	7.97	91	143185	5.337	ug/L	98
44) trans-1,3-Dichloropropene	8.21	75	47531	5.192	ug/L	97
45) 1,1,2-Trichloroethane	8.40	97	25710	4.853	ug/L	97
47) Tetrachloroethene	8.56	164	28427	5.660	ug/L	92
48) 2-Hexanone	8.69	43	190310	48.101	ug/L	98
49) Dibromochloromethane	8.81	129	32289	5.106	ug/L	96
50) 1,2-Dibromoethane	8.93	107	25545	5.064	ug/L #	95
51) Chlorobenzene	9.45	112	89325	5.099	ug/L	97
52) Ethylbenzene	9.57	91	156999	5.380	ug/L	100
53) m,p-Xylene	9.69	106	59341	5.297	ug/L	94
54) o-Xylene	10.10	106	57040	5.387	ug/L	94
55) Styrene	10.11	104	99836	5.439	ug/L	96
56) Isopropylbenzene	10.48	105	154652	5.449	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.78	83	30428	4.449	ug/L	95
59) 1,2,3-Trichloropropane	10.82	75	23088	4.622	ug/L	98
61) Bromoform	10.29	173	18911	5.593	ug/L	99
62) 1,3-Dichlorobenzene	11.74	146	75459	5.309	ug/L	97
63) 1,4-Dichlorobenzene	11.83	146	76187	5.264	ug/L	99
65) 1,2-Dichlorobenzene	12.21	146	70078	5.109	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	5872	5.235	ug/L #	82
67) 1,3,5-Trichlorobenzene	13.21	180	60536	5.735	ug/L	98
68) 1,2,4-trichlorobenzene	13.83	180	54743	6.079	ug/L	99
69) Naphthalene	14.08	128	91434	5.497	ug/L	100
70) 1,2,3-Trichlorobenzene	14.32	180	49769	5.914	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.952 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU039945.D

Acq: 24 Aug 2020 14:22

Instrument :

MSVOA_U

ClientSampleId :

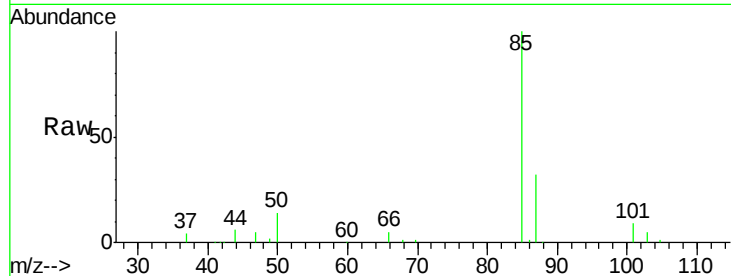
VSTD00530

Tgt Ion: 85 Resp: 38584

Ion Ratio Lower Upper

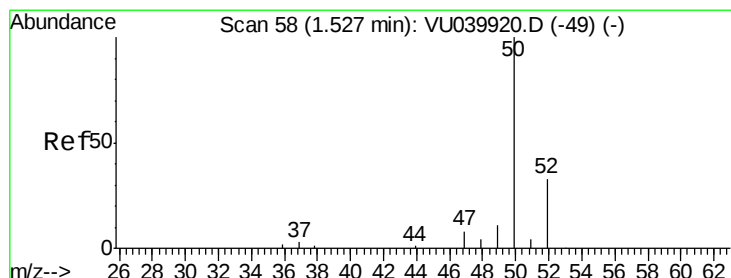
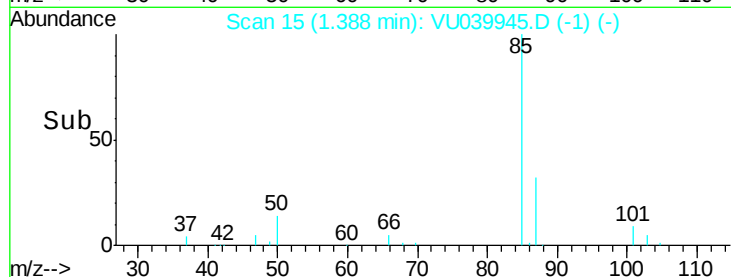
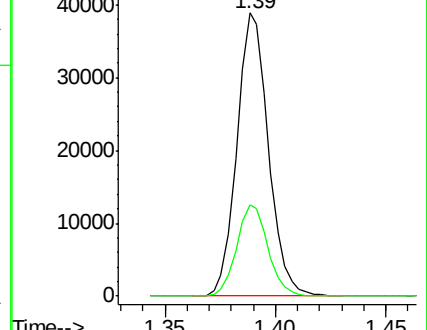
85 100

87 31.9 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU039920.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU039920.D (-7) (-)



#3

Chloromethane

Concen: 4.281 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU039945.D

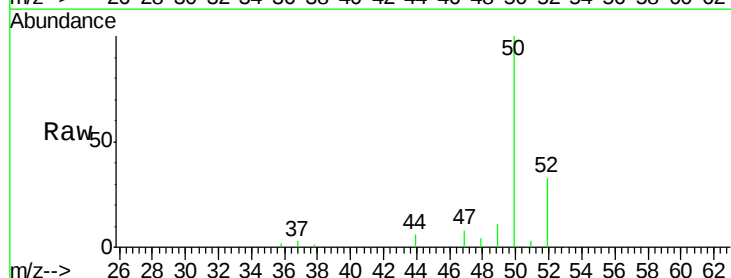
Acq: 24 Aug 2020 14:22

Tgt Ion: 50 Resp: 37743

Ion Ratio Lower Upper

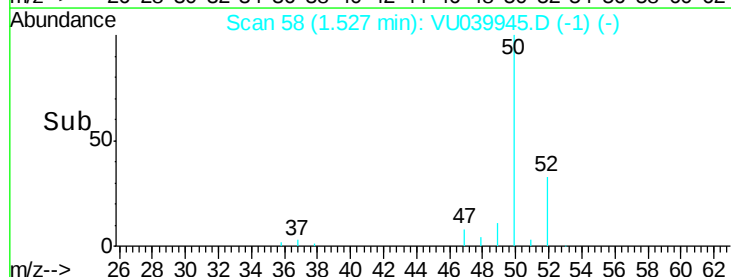
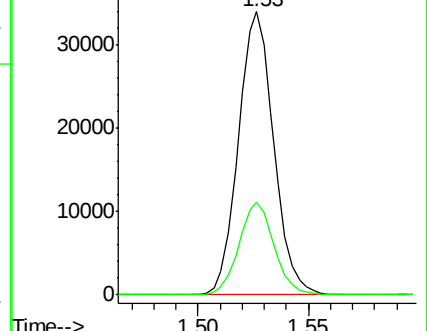
50 100

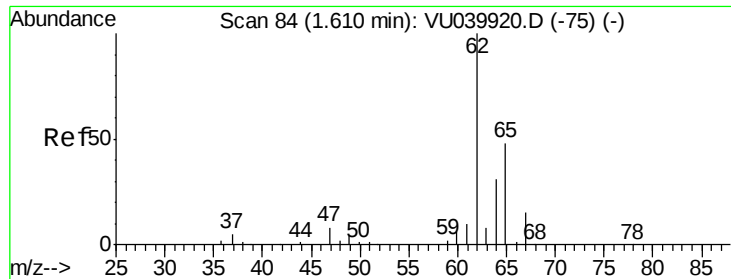
52 32.6 21.9 40.7



Abundance Ion 50.05 (49.75 to 50.75): VU039920.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU039920.D (-49) (-)





#5

Vinyl chloride

Concen: 4.711 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039945.D

Acq: 24 Aug 2020 14:22

Instrument :

MSVOA_U

ClientSampleId :

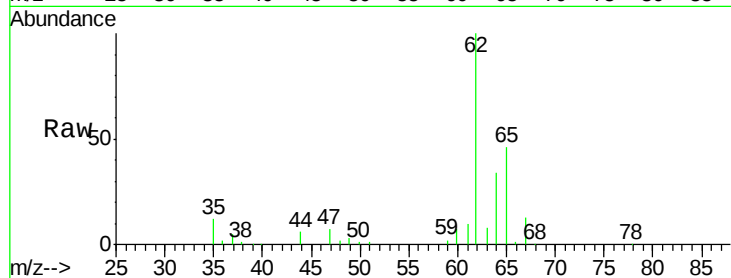
VSTD00530

Tgt Ion: 62 Resp: 39287

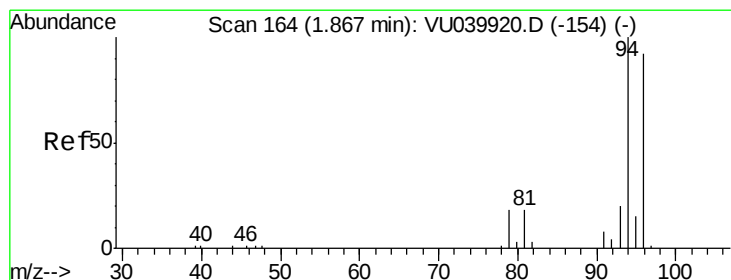
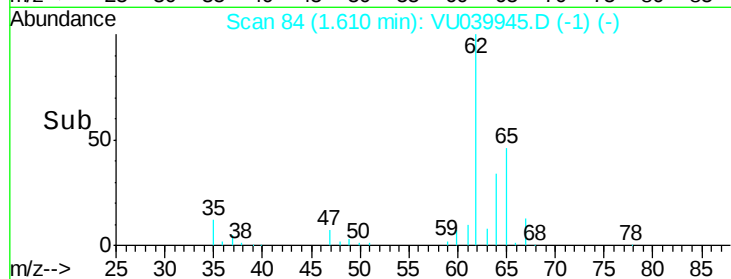
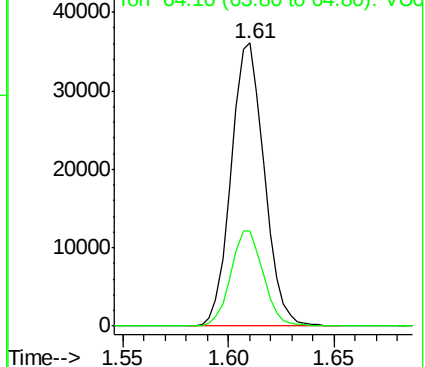
Ion Ratio Lower Upper

62 100

64 33.9 21.6 40.2



Abundance Ion 62.00 (61.70 to 62.70): VU039945.D (-1) (-)



#6

Bromomethane

Concen: 3.854 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU039945.D

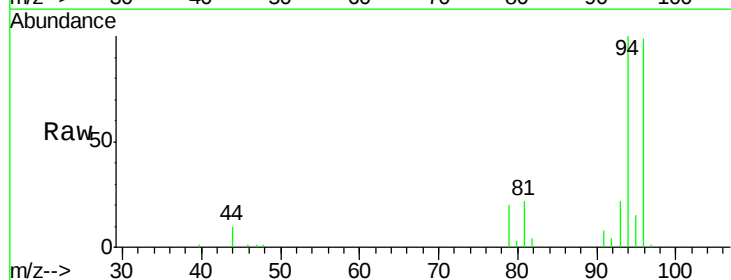
Acq: 24 Aug 2020 14:22

Tgt Ion: 94 Resp: 18353

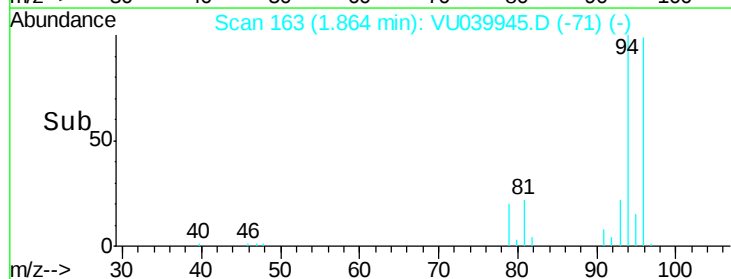
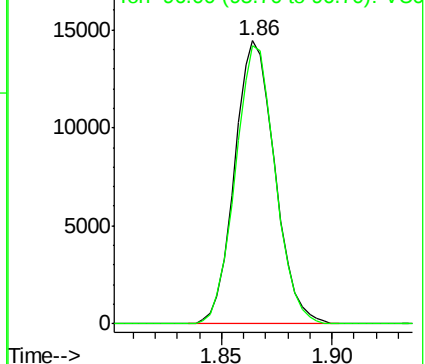
Ion Ratio Lower Upper

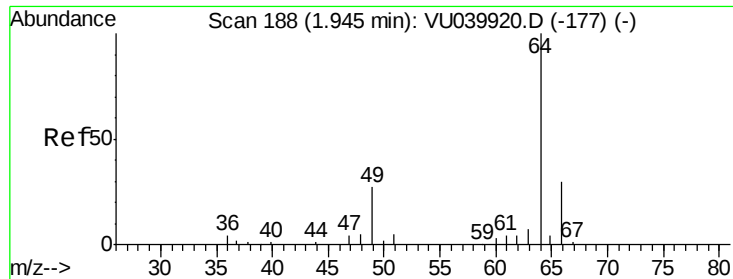
94 100

96 98.5 65.5 121.7



Abundance Ion 94.00 (93.70 to 94.70): VU039945.D (-71) (-)

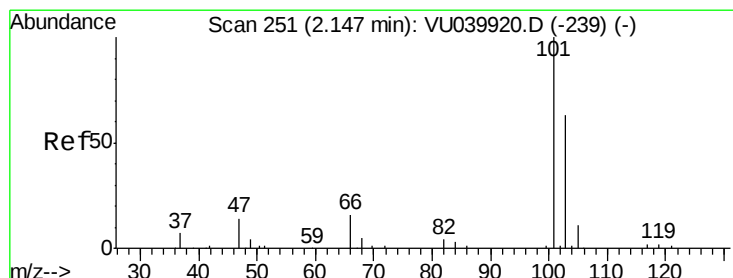
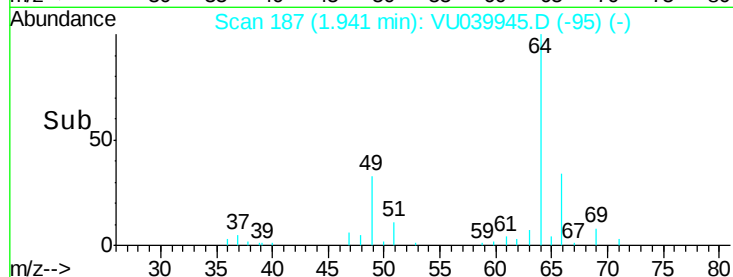
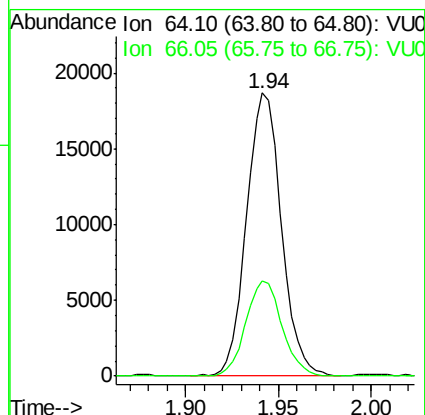
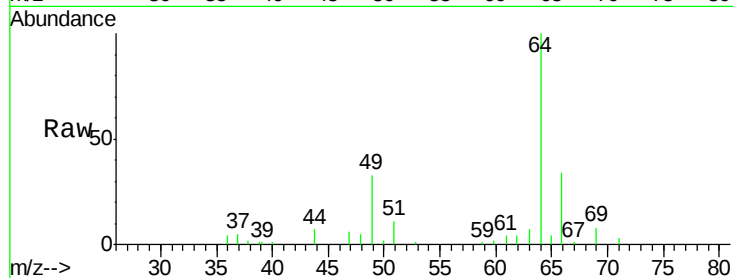




#8
 Chloroethane
 Concen: 4.589 ug/L
 RT: 1.94 min Scan# 187
 Delta R.T. -0.00 min
 Lab File: VU039945.D
 Acq: 24 Aug 2020 14:22

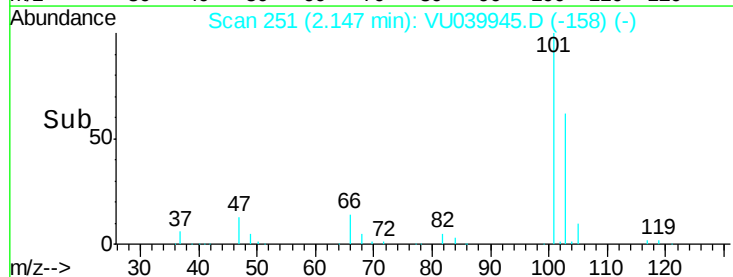
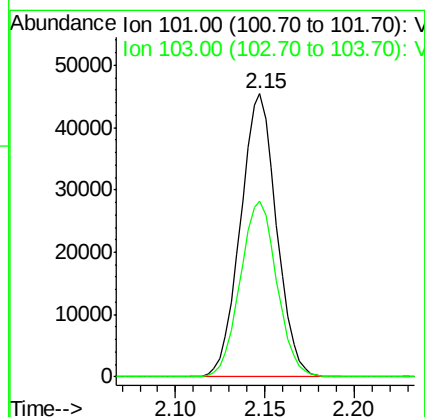
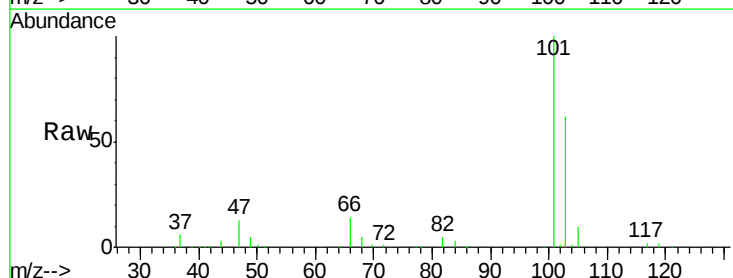
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

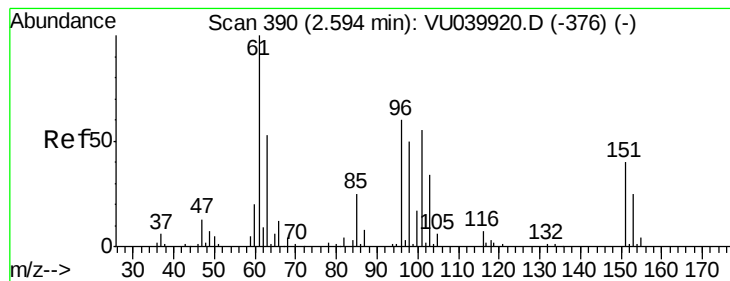
Tgt Ion: 64 Resp: 24475
 Ion Ratio Lower Upper
 64 100
 66 33.8 22.6 42.0



#9
 Trichlorofluoromethane
 Concen: 5.141 ug/L
 RT: 2.15 min Scan# 251
 Delta R.T. 0.00 min
 Lab File: VU039945.D
 Acq: 24 Aug 2020 14:22

Tgt Ion: 101 Resp: 64139
 Ion Ratio Lower Upper
 101 100
 103 63.1 51.0 76.4





#10

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

Concen: 5.362 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU039945.D

Acq: 24 Aug 2020 14:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD00530

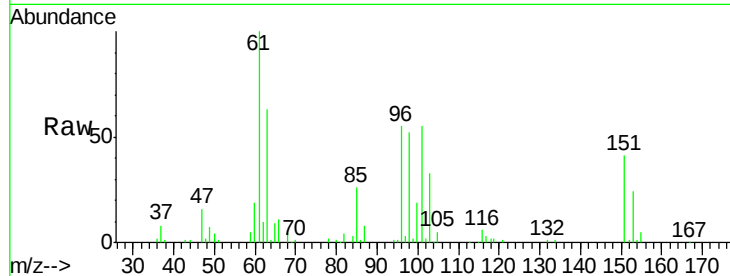
Tgt Ion:101 Resp: 36798

Ion Ratio Lower Upper

101 100

85 46.4 34.5 51.7

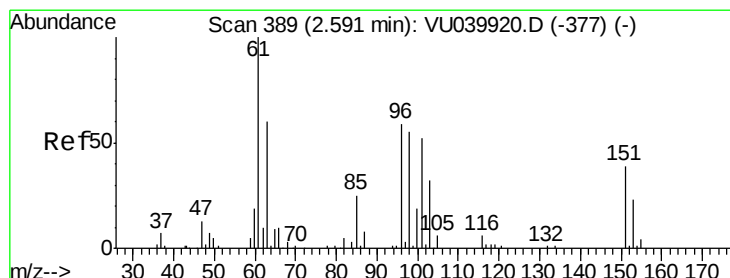
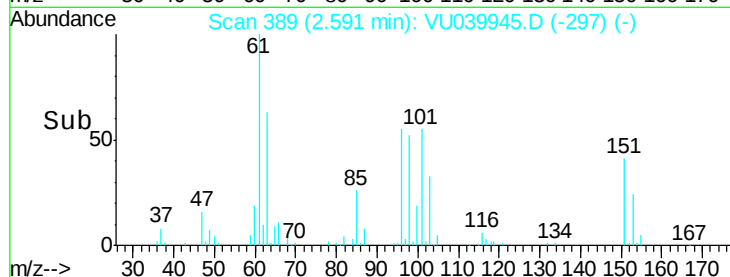
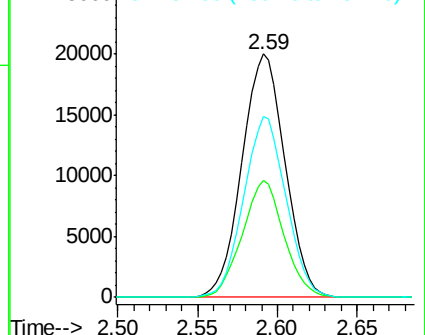
151 72.9 54.4 81.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.892 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU039945.D

Acq: 24 Aug 2020 14:22

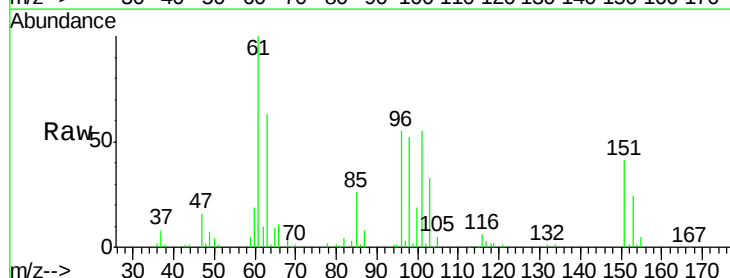
Tgt Ion: 96 Resp: 32075

Ion Ratio Lower Upper

96 100

61 181.9 126.8 235.4

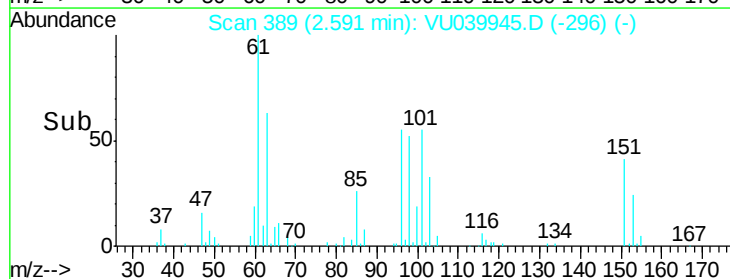
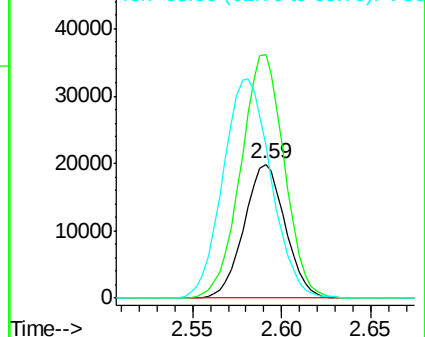
63 114.0 88.6 164.6

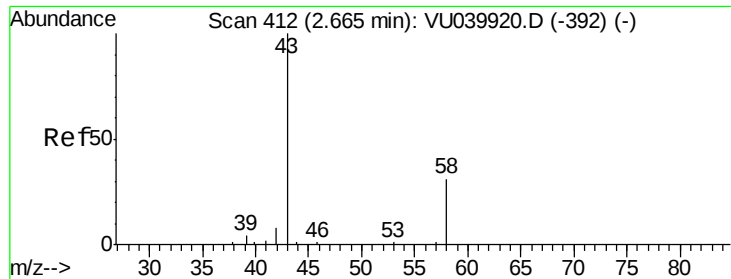


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 50.632 ug/L

RT: 2.67 min Scan# 413

Delta R.T. 0.00 min

Lab File: VU039945.D

Acq: 24 Aug 2020 14:22

Instrument :

MSVOA_U

ClientSampleId :

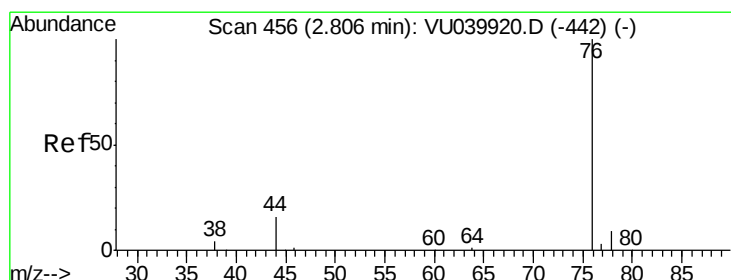
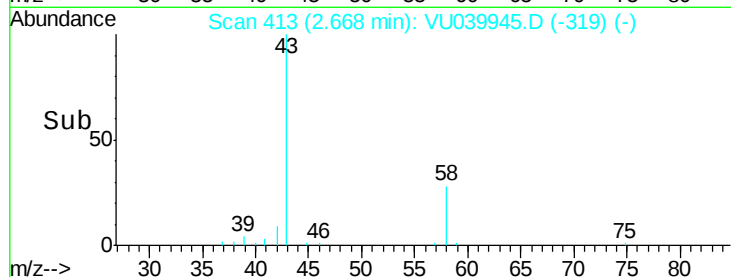
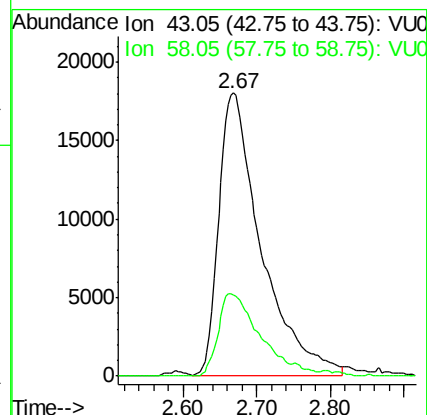
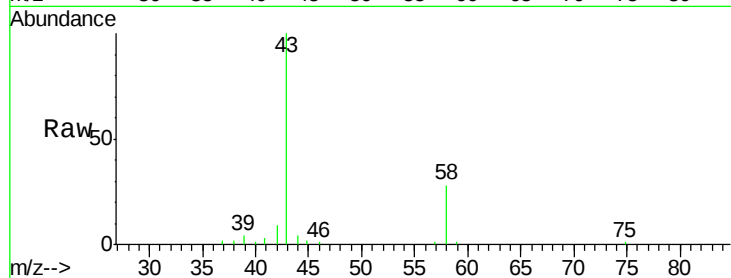
VSTD00530

Tgt Ion: 43 Resp: 72398

Ion Ratio Lower Upper

43 100

58 29.1 0.0 19.0#



#14

Carbon disulfide

Concen: 4.711 ug/L

RT: 2.80 min Scan# 455

Delta R.T. -0.00 min

Lab File: VU039945.D

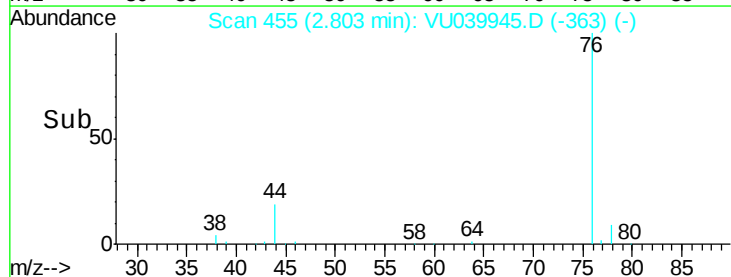
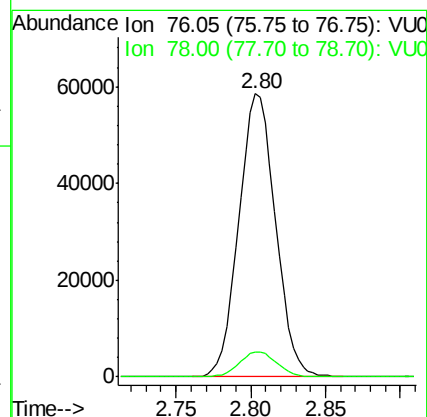
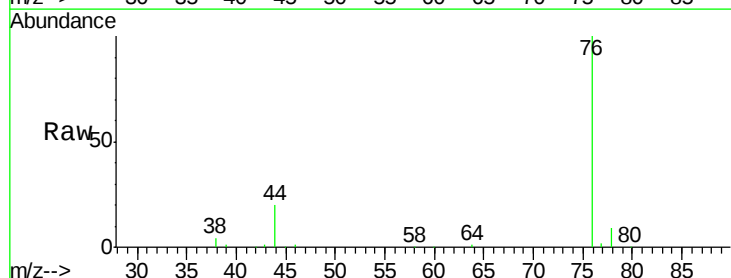
Acq: 24 Aug 2020 14:22

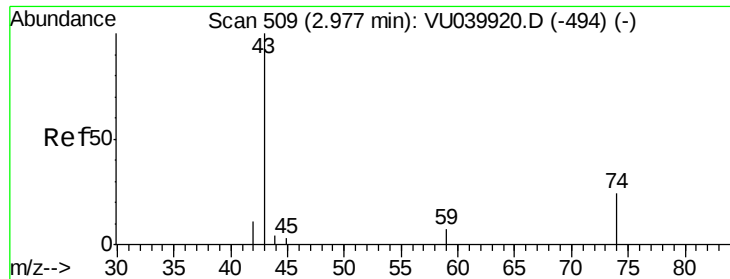
Tgt Ion: 76 Resp: 99832

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.0

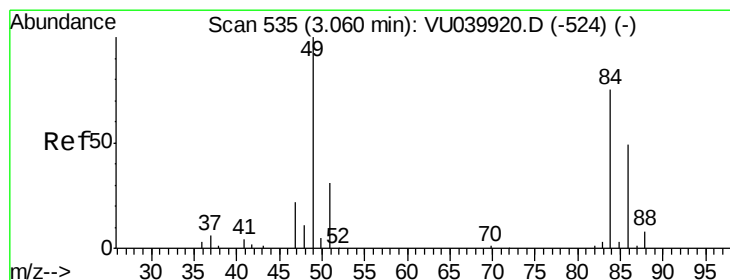
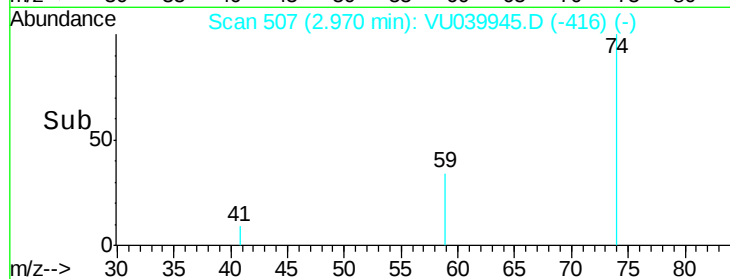
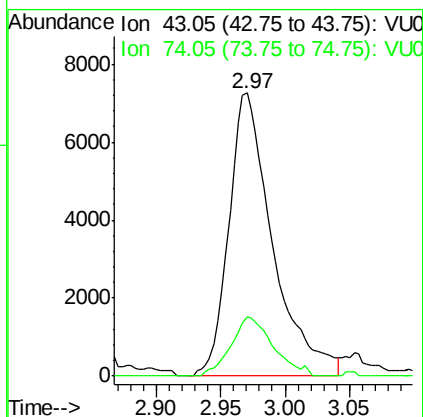
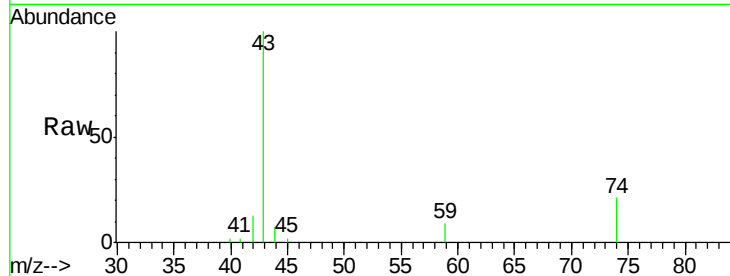




#15
Methyl Acetate
Concen: 4.679 ug/L
RT: 2.97 min Scan# 507
Delta R.T. -0.01 min
Lab File: VU039945.D
Acq: 24 Aug 2020 14:22

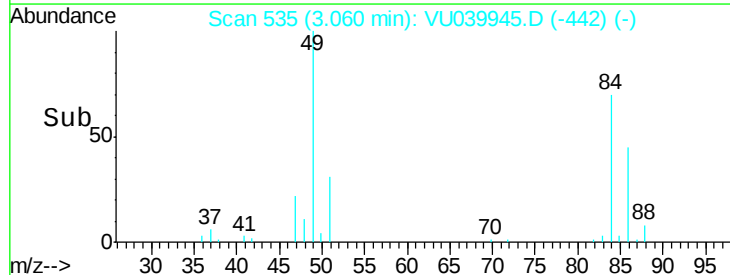
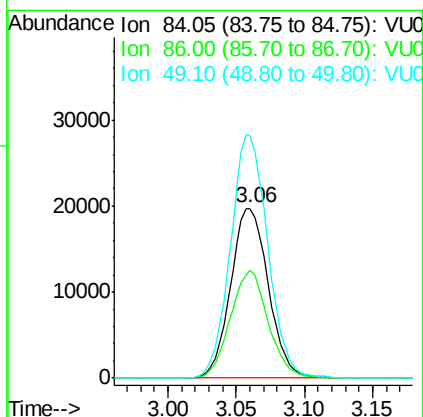
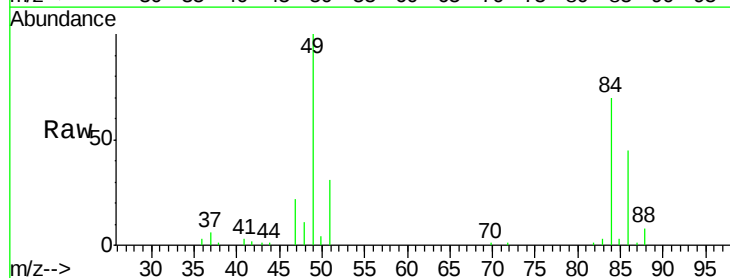
Instrument :
MSVOA_U
ClientSampleId :
VSTD00530

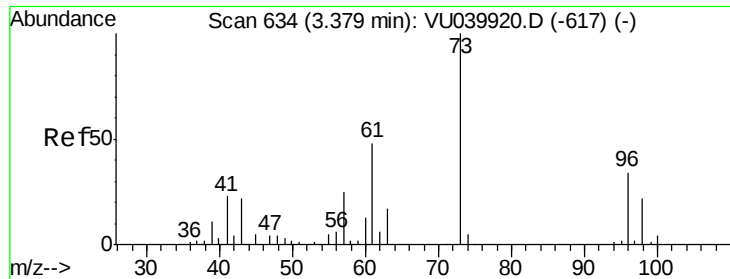
Tgt Ion: 43 Resp: 17175
Ion Ratio Lower Upper
43 100
74 20.1 16.3 24.5



#16
Methylene chloride
Concen: 4.211 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU039945.D
Acq: 24 Aug 2020 14:22

Tgt Ion: 84 Resp: 37963
Ion Ratio Lower Upper
84 100
86 63.5 47.2 87.6
49 142.5 99.8 185.4

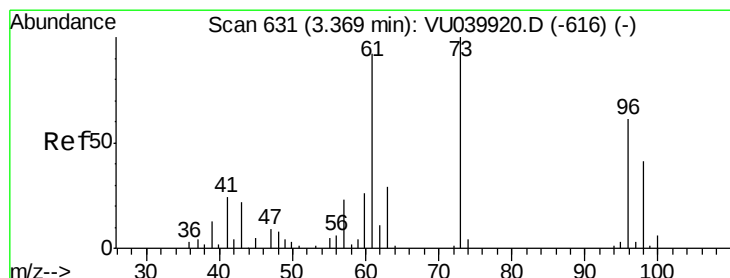
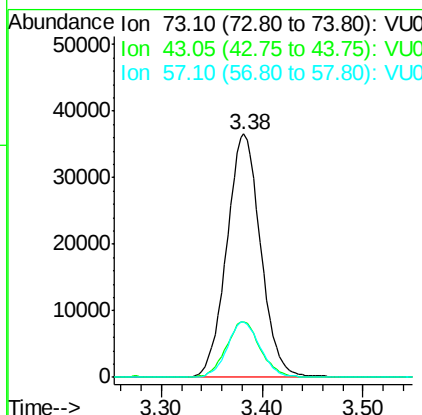
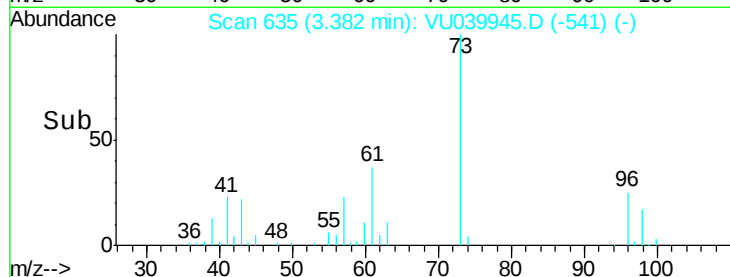
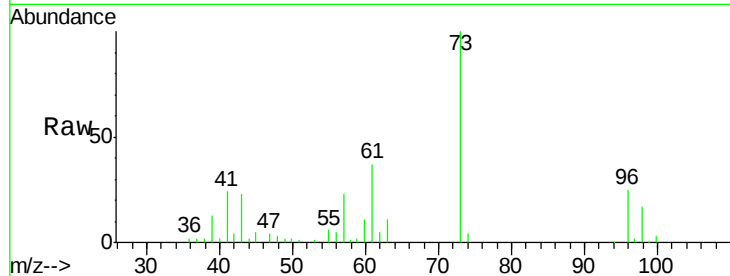




#17
Methyl tert-butyl Ether
Concen: 5.167 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU039945.D
Acq: 24 Aug 2020 14:22

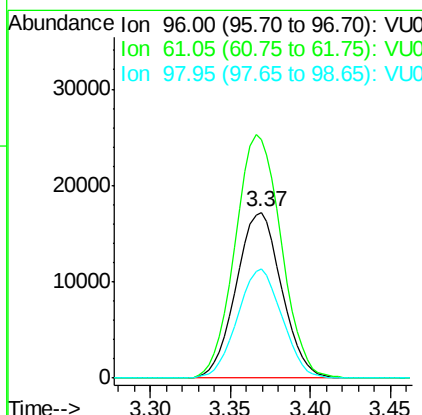
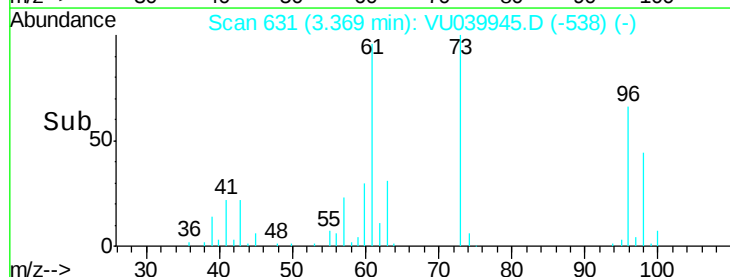
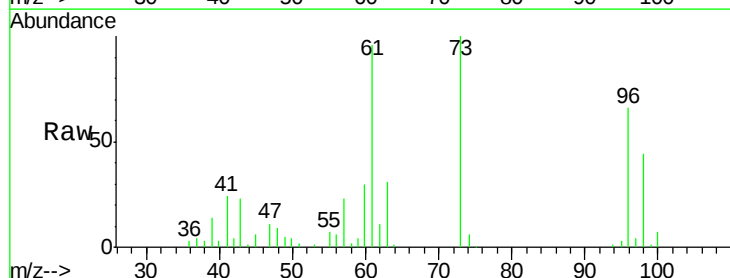
Instrument :
MSVOA_U
ClientSampleId :
VSTD00530

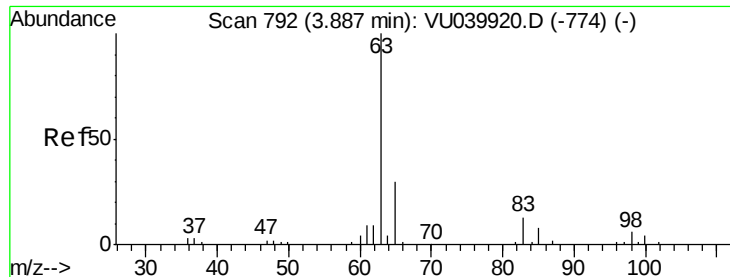
Tgt Ion: 73 Resp: 85433
Ion Ratio Lower Upper
73 100
43 23.0 16.6 24.8
57 22.2 18.2 27.4



#18
trans-1,2-Dichloroethene
Concen: 4.890 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU039945.D
Acq: 24 Aug 2020 14:22

Tgt Ion: 96 Resp: 33293
Ion Ratio Lower Upper
96 100
61 144.3 93.7 173.9
98 65.9 40.7 75.5

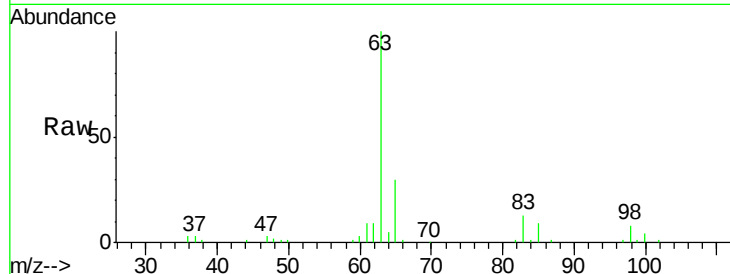




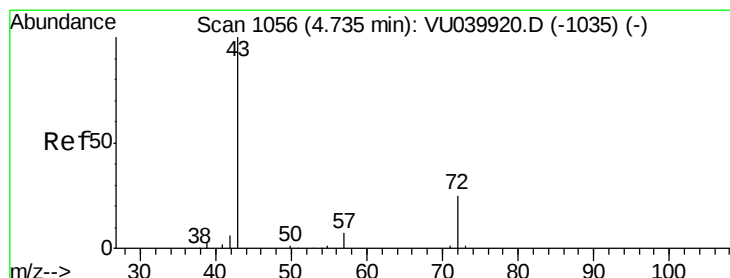
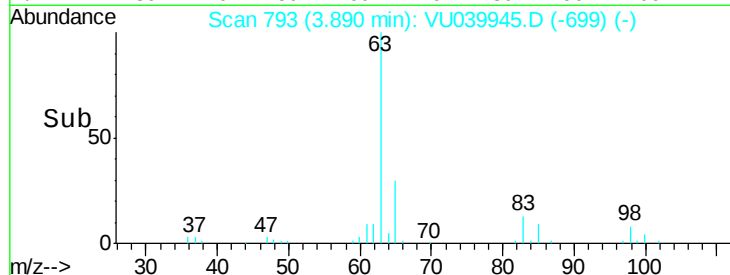
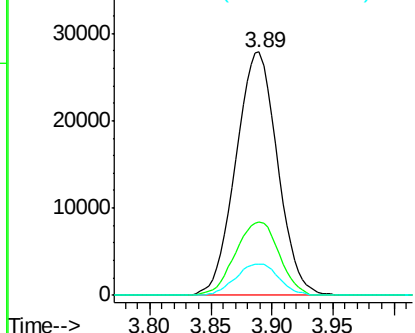
#19
 1,1-Dichloroethane
 Concen: 5.230 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU039945.D
 Acq: 24 Aug 2020 14:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

Tgt Ion: 63 Resp: 66021
 Ion Ratio Lower Upper
 63 100
 65 30.1 21.6 40.0
 83 12.9 10.3 19.1

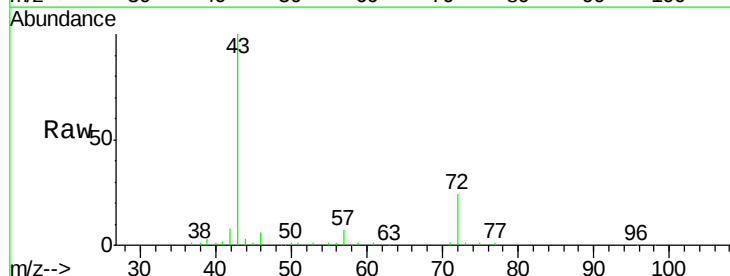


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

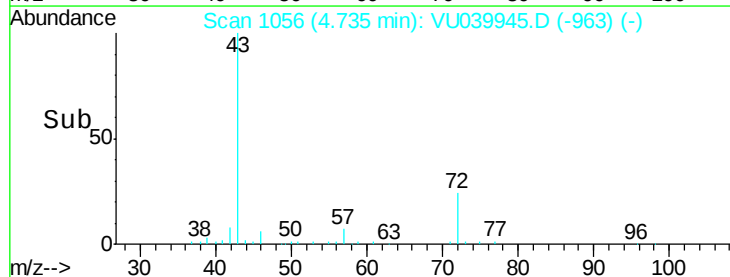
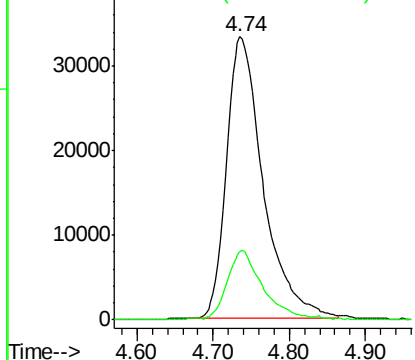


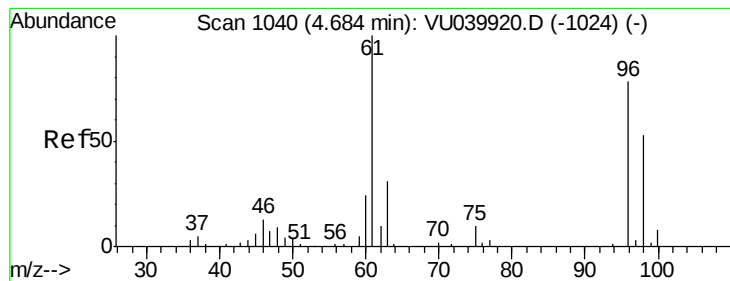
#21
 2-Butanone
 Concen: 45.052 ug/L
 RT: 4.74 min Scan# 1056
 Delta R.T. 0.00 min
 Lab File: VU039945.D
 Acq: 24 Aug 2020 14:22

Tgt Ion: 43 Resp: 111930
 Ion Ratio Lower Upper
 43 100
 72 24.0 12.7 38.0



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: 4.888 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VU039945.D

Acq: 24 Aug 2020 14:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD00530

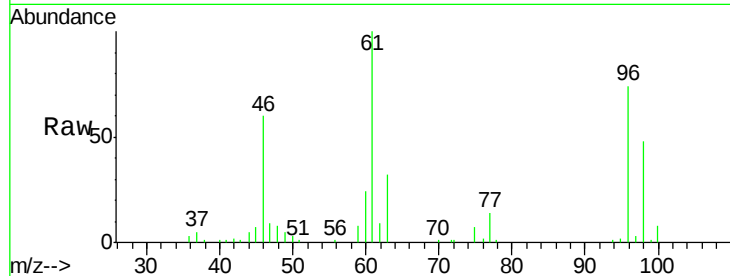
Tgt Ion: 96 Resp: 34847

Ion Ratio Lower Upper

96 100

61 135.5 90.9 168.9

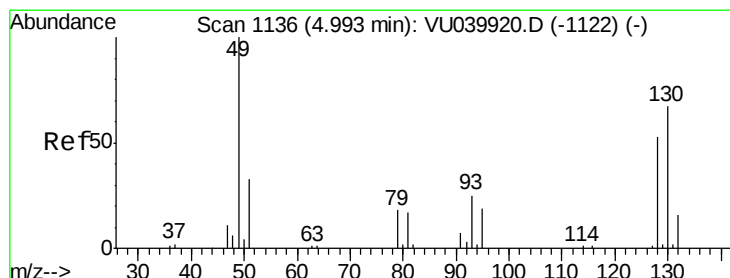
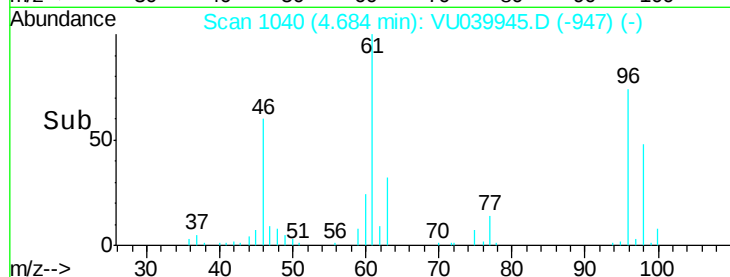
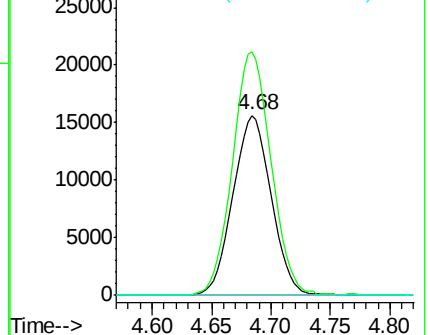
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039945.D (-1043) (-)

Ion 61.05 (60.75 to 61.75): VU039945.D (-1043) (-)

Ion 68.15 (67.85 to 68.85): VU039945.D (-1043) (-)



#23

Bromochloromethane

Concen: 4.888 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU039945.D

Acq: 24 Aug 2020 14:22

Tgt Ion: 128 Resp: 16388

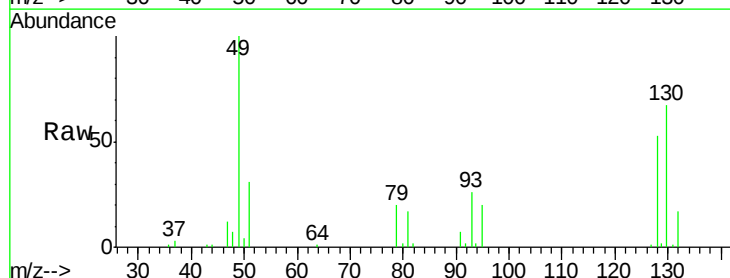
Ion Ratio Lower Upper

128 100

49 188.9 121.2 225.2

130 126.2 90.2 167.6

51 59.3 47.2 70.8

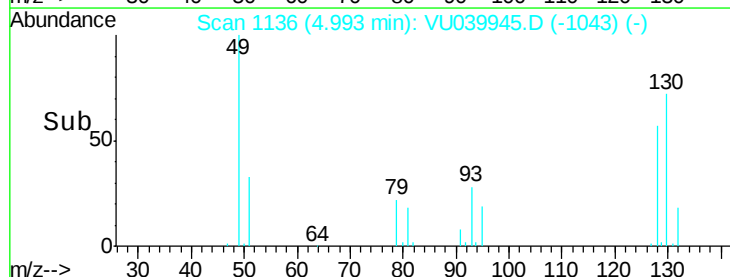
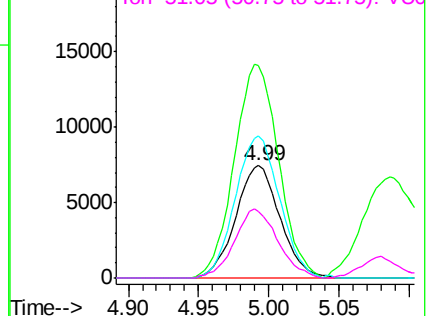


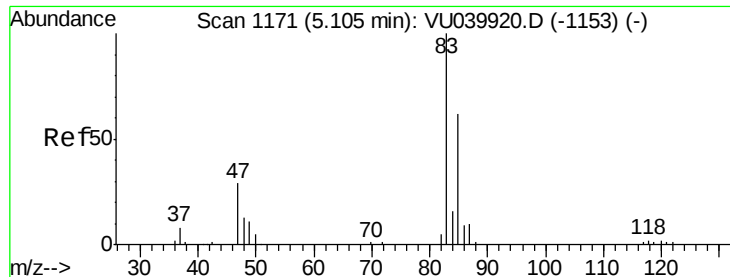
Abundance Ion 127.90 (127.60 to 128.60): VU039945.D (-1043) (-)

Ion 49.10 (48.80 to 49.80): VU039945.D (-1043) (-)

Ion 129.95 (129.65 to 130.65): VU039945.D (-1043) (-)

Ion 51.05 (50.75 to 51.75): VU039945.D (-1043) (-)

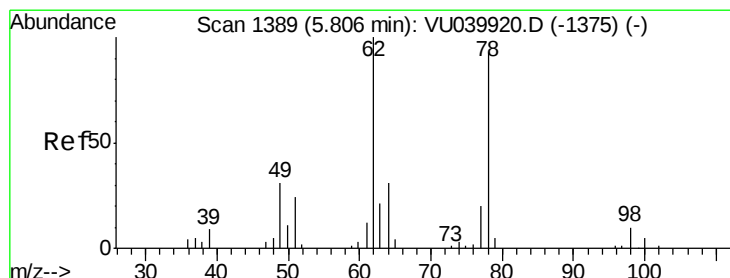
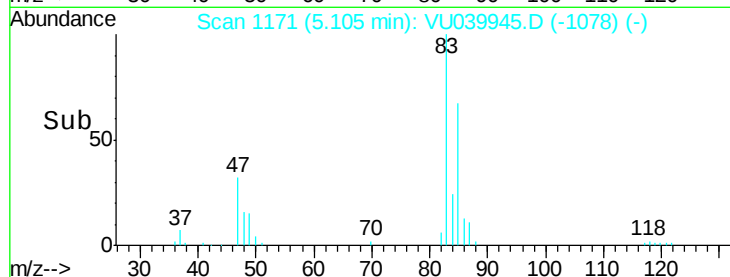
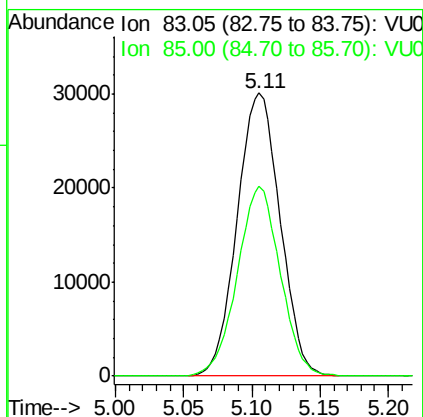
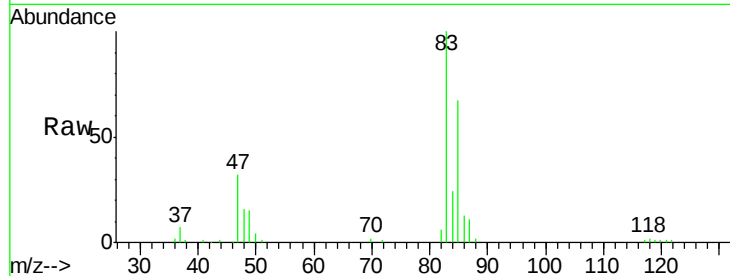




#25
Chloroform
Concen: 5.152 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU039945.D
Acq: 24 Aug 2020 14:22

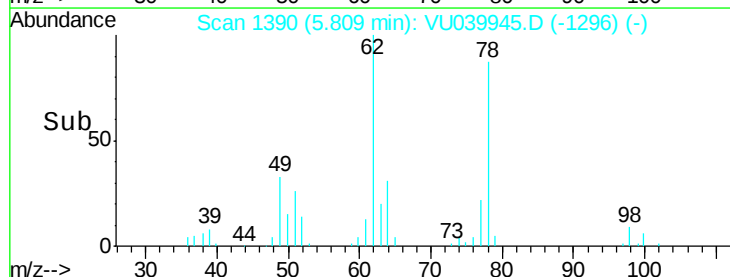
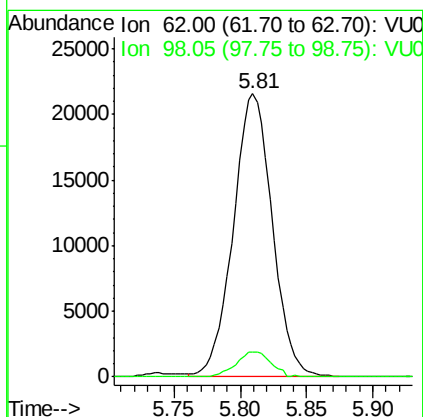
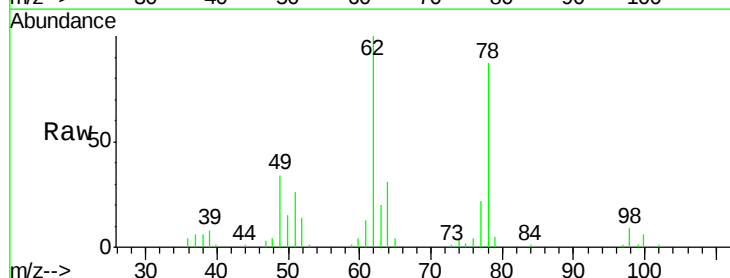
Instrument :
MSVOA_U
ClientSampleId :
VSTD00530

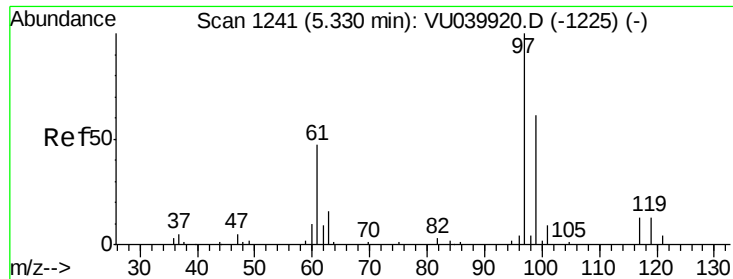
Tgt Ion: 83 Resp: 65915
Ion Ratio Lower Upper
83 100
85 67.0 46.4 86.2



#27
1,2-Dichloroethane
Concen: 4.929 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU039945.D
Acq: 24 Aug 2020 14:22

Tgt Ion: 62 Resp: 44254
Ion Ratio Lower Upper
62 100
98 8.8 7.4 11.2

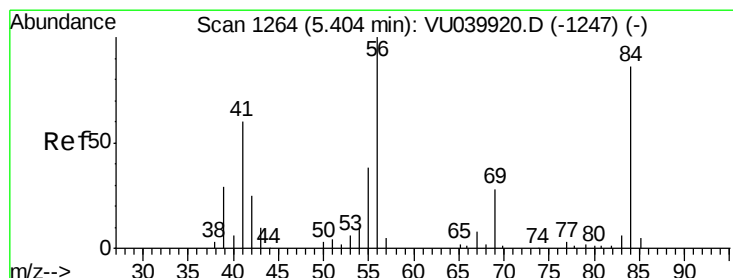
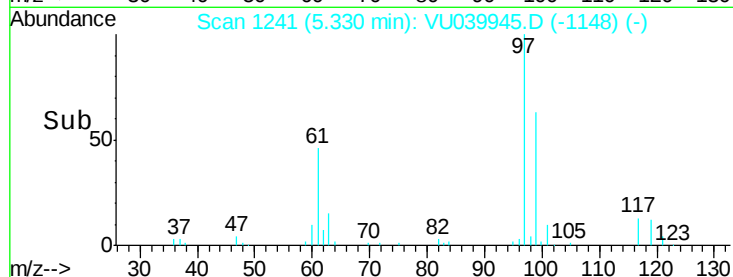
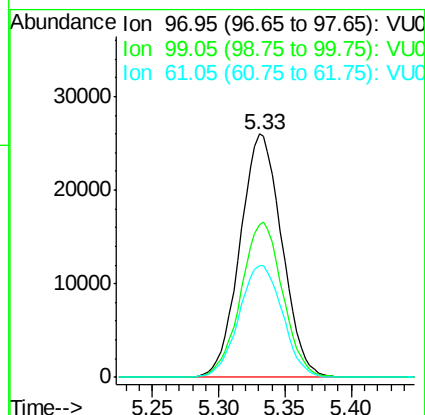
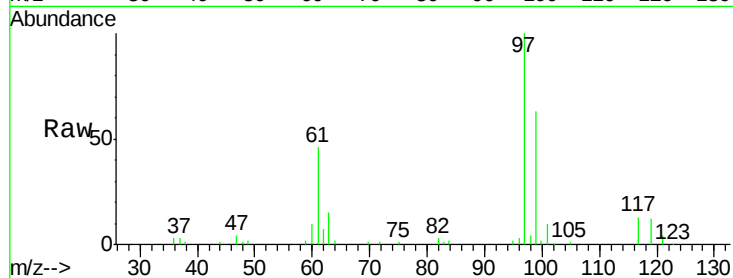




#29
 1,1,1-Trichloroethane
 Concen: 5.378 ug/L
 RT: 5.33 min Scan# 1241
 Delta R.T. 0.00 min
 Lab File: VU039945.D
 Acq: 24 Aug 2020 14:22

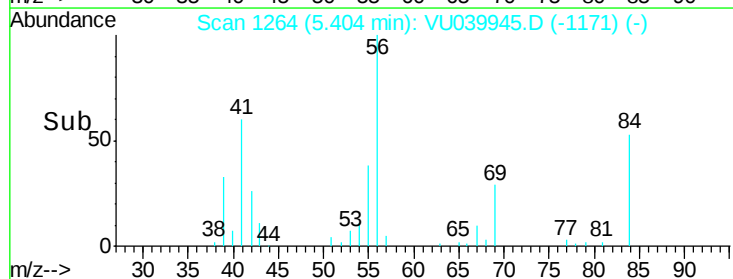
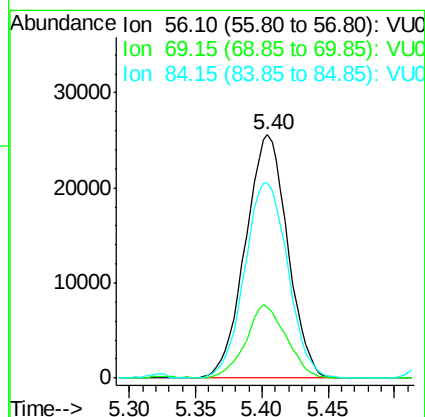
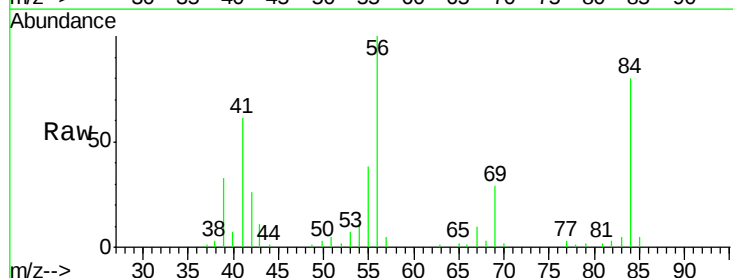
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

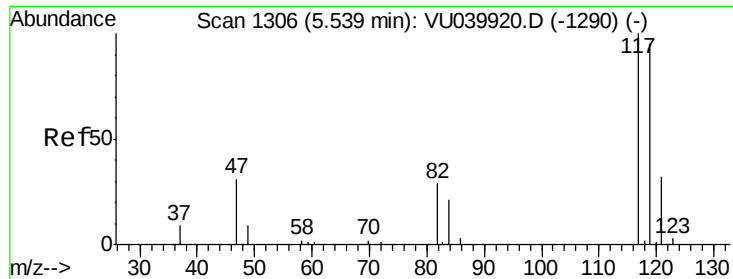
Tgt Ion: 97 Resp: 57107
 Ion Ratio Lower Upper
 97 100
 99 63.5 51.4 77.2
 61 47.6 39.1 58.7



#30
 Cyclohexane
 Concen: 5.382 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: VU039945.D
 Acq: 24 Aug 2020 14:22

Tgt Ion: 56 Resp: 56573
 Ion Ratio Lower Upper
 56 100
 69 28.7 23.1 34.7
 84 82.2 69.0 103.6





#31

Carbon tetrachloride

Concen: 5.353 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU039945.D

Acq: 24 Aug 2020 14:22

Instrument :

MSVOA_U

ClientSampleId :

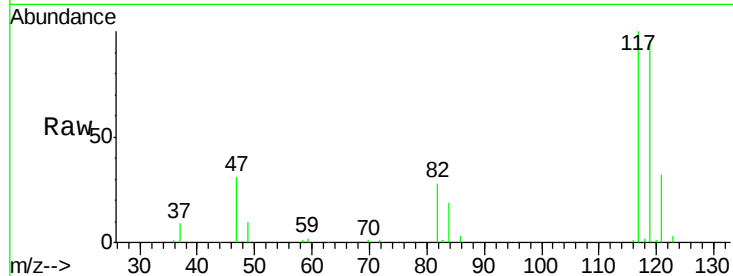
VSTD00530

Tgt Ion:117 Resp: 50184

Ion Ratio Lower Upper

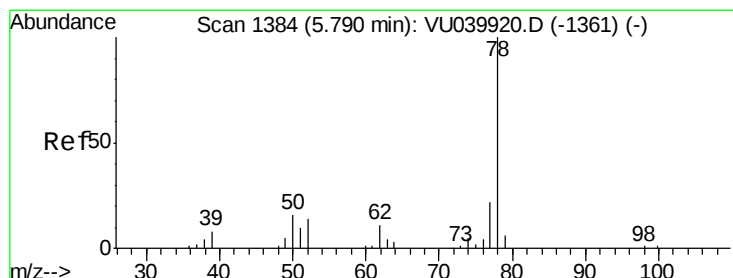
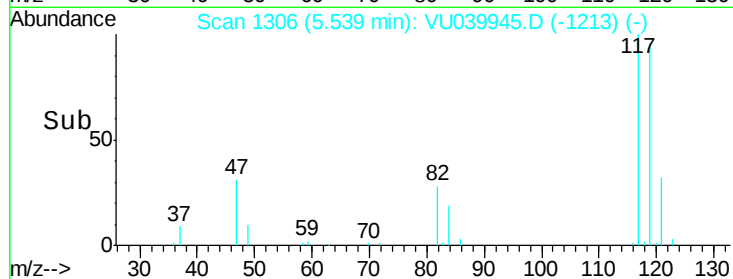
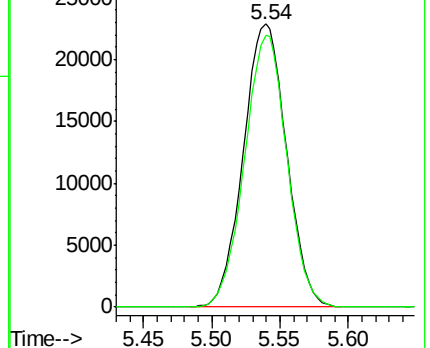
117 100

119 94.2 77.6 116.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.208 ug/L

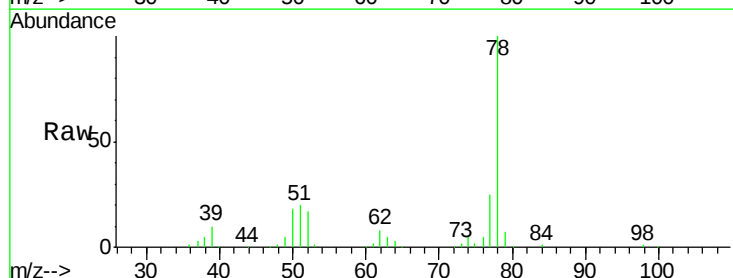
RT: 5.79 min Scan# 1383

Delta R.T. -0.00 min

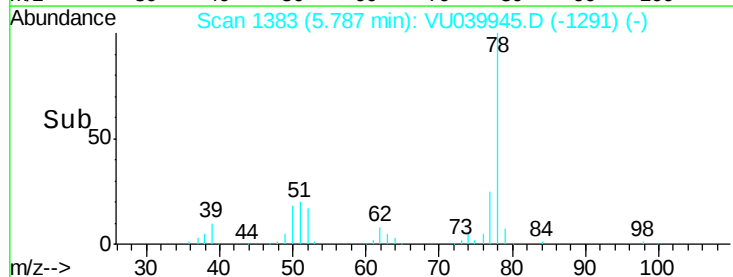
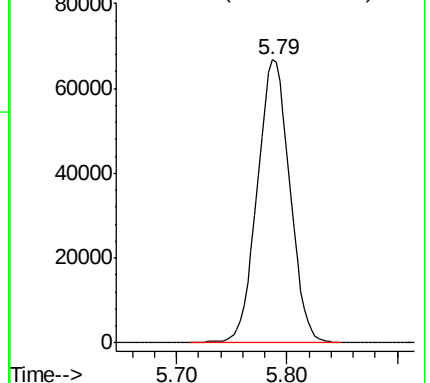
Lab File: VU039945.D

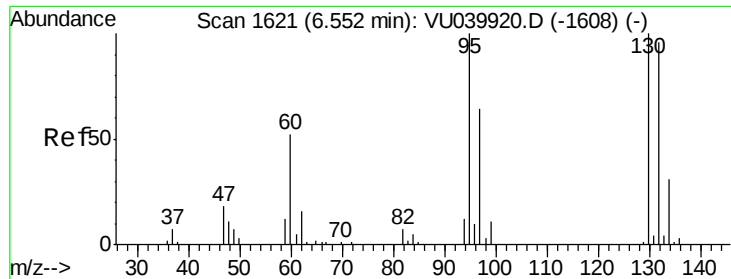
Acq: 24 Aug 2020 14:22

Tgt Ion: 78 Resp: 136643



Abundance Ion 78.10 (77.80 to 78.80): VU0

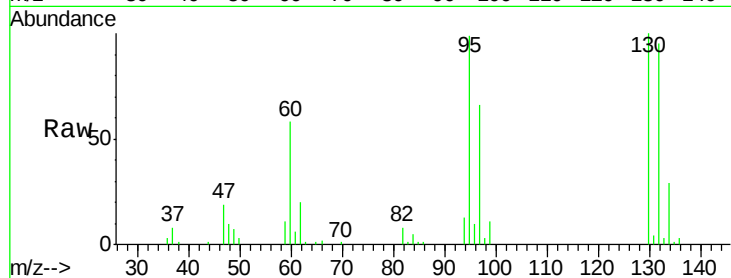




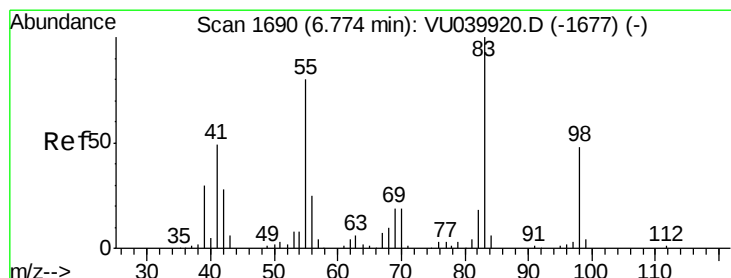
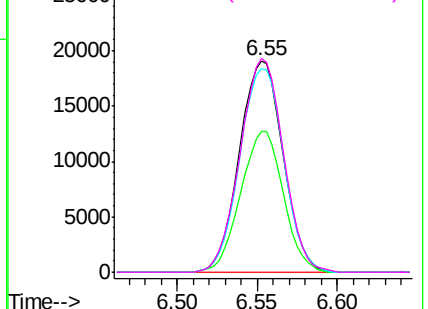
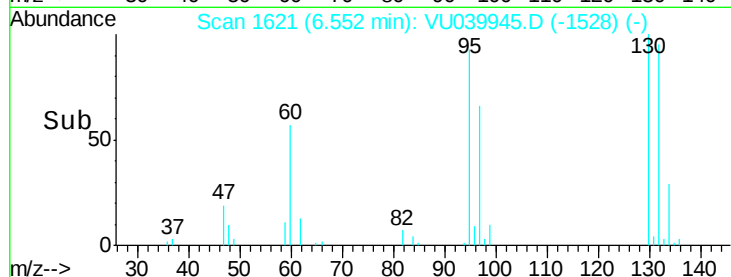
#34
 Trichloroethene
 Concen: 5.223 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU039945.D
 Acq: 24 Aug 2020 14:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

Tgt Ion: 95 Resp: 35560
 Ion Ratio Lower Upper
 95 100
 97 66.8 42.0 78.0
 132 96.1 65.0 120.8
 130 100.9 65.5 121.7

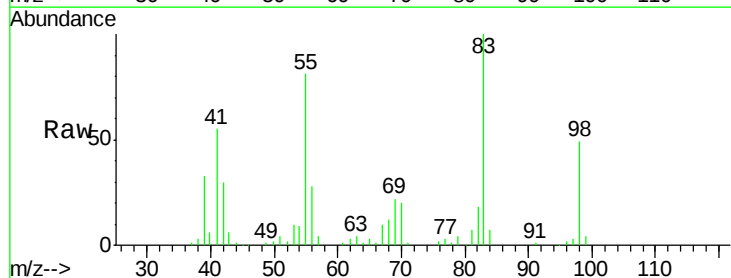


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

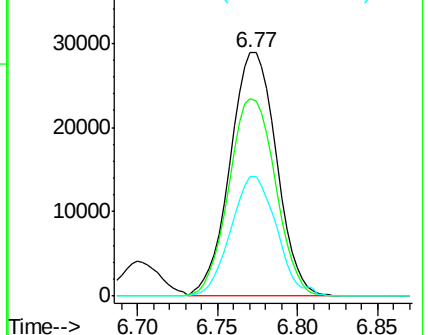
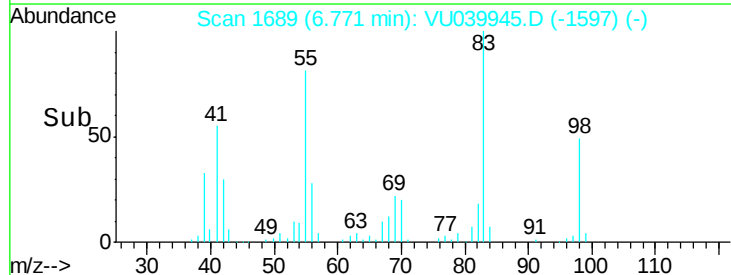


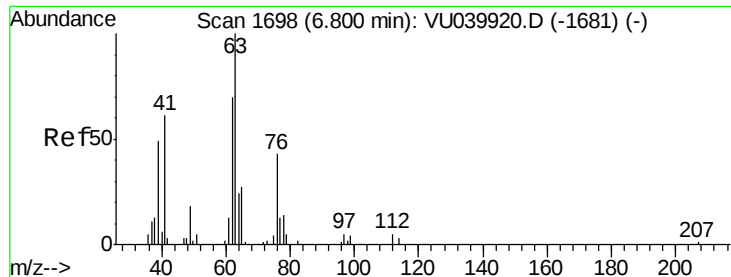
#35
 Methylcyclohexane
 Concen: 5.487 ug/L
 RT: 6.77 min Scan# 1689
 Delta R.T. -0.00 min
 Lab File: VU039945.D
 Acq: 24 Aug 2020 14:22

Tgt Ion: 83 Resp: 57232
 Ion Ratio Lower Upper
 83 100
 55 81.5 64.1 96.1
 98 48.4 39.4 59.0



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





#37

1,2-Dichloropropane

Concen: 5.258 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VU039945.D

Acq: 24 Aug 2020 14:22

Instrument :

MSVOA_U

ClientSampleId :

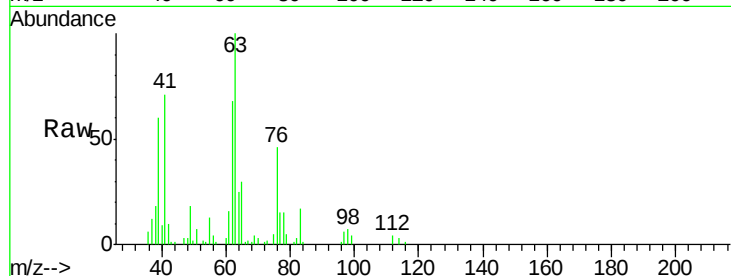
VSTD00530

Tgt Ion: 63 Resp: 36657

Ion Ratio Lower Upper

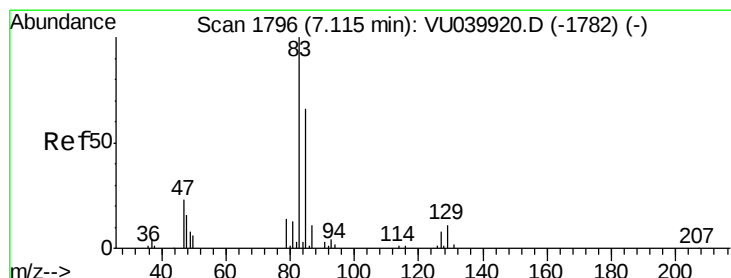
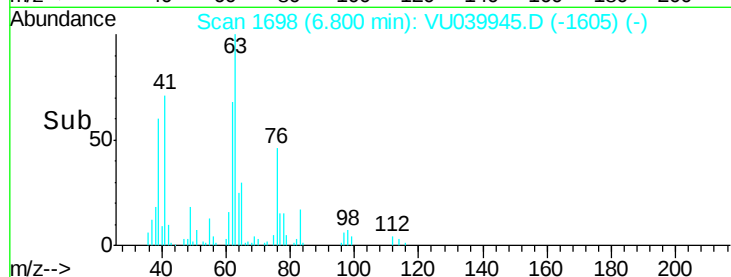
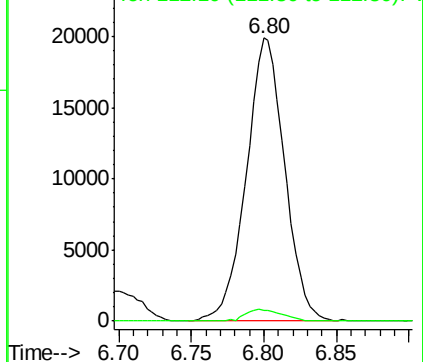
63 100

112 4.0 4.1 6.1#



Abundance Ion 63.10 (62.80 to 63.80): VU039920.D (-1681) (-)

Ion 112.10 (111.80 to 112.80): VU039920.D (-1681) (-)



#38

Bromodichloromethane

Concen: 5.630 ug/L

RT: 7.11 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VU039945.D

Acq: 24 Aug 2020 14:22

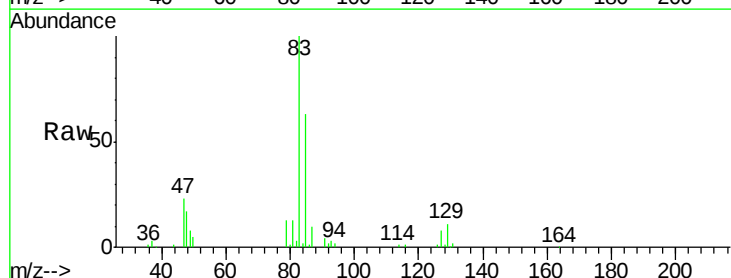
Tgt Ion: 83 Resp: 49880

Ion Ratio Lower Upper

83 100

85 62.7 44.3 82.3

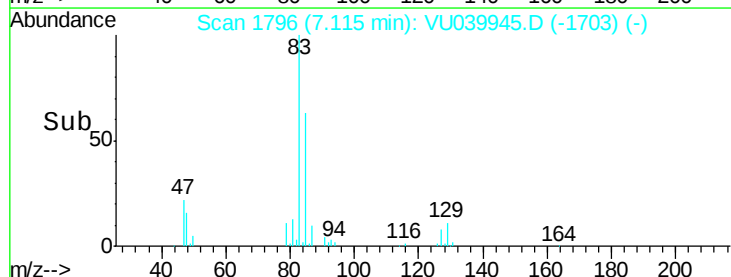
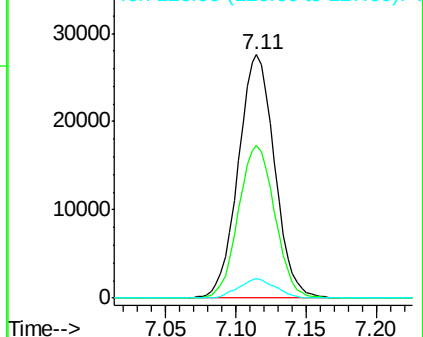
127 8.2 6.7 10.1

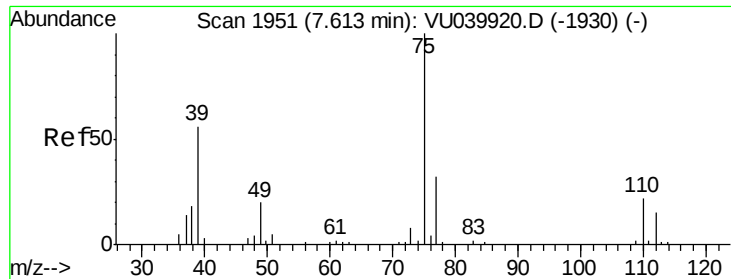


Abundance Ion 82.95 (82.65 to 83.65): VU039920.D (-1782) (-)

Ion 85.00 (84.70 to 85.70): VU039920.D (-1782) (-)

Ion 126.90 (126.60 to 127.60): VU039920.D (-1782) (-)

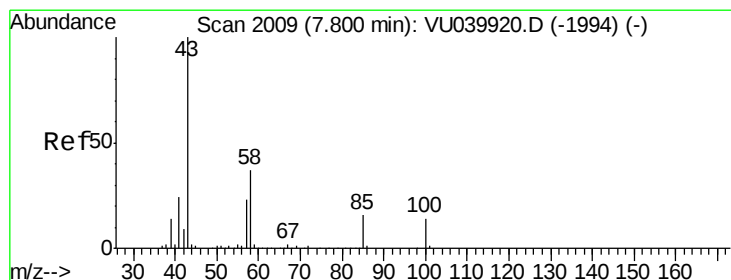
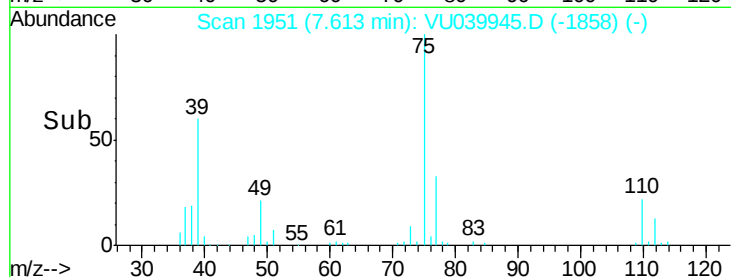
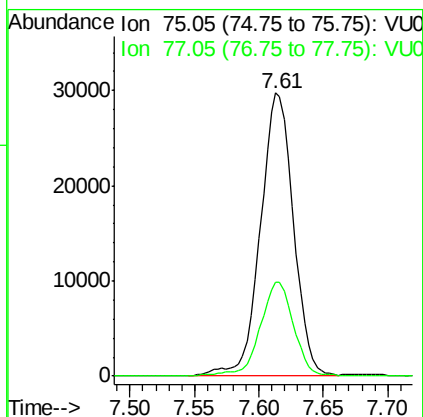
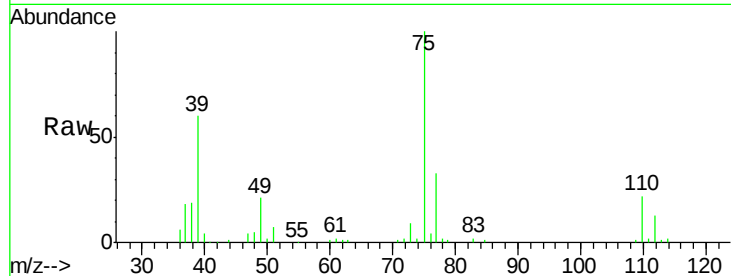




#39
 cis-1,3-Dichloropropene
 Concen: 5.460 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VU039945.D
 Acq: 24 Aug 2020 14:22

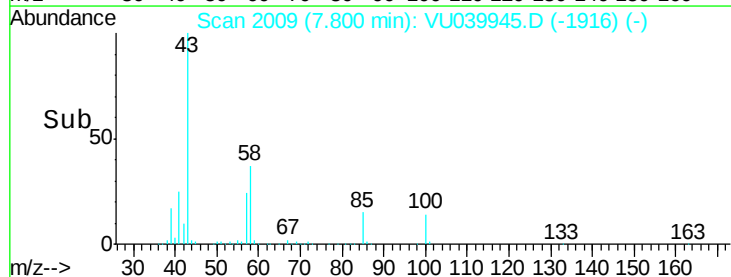
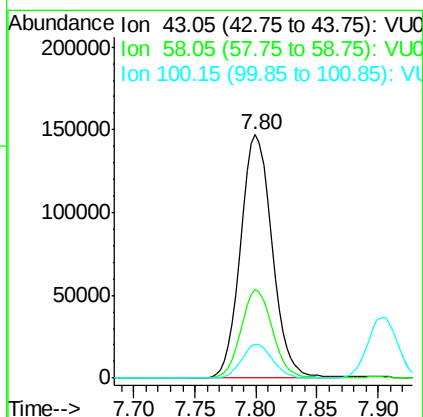
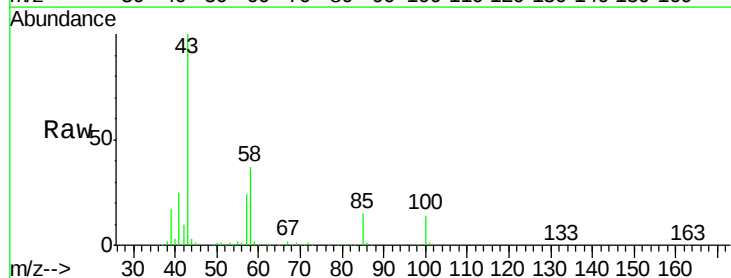
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

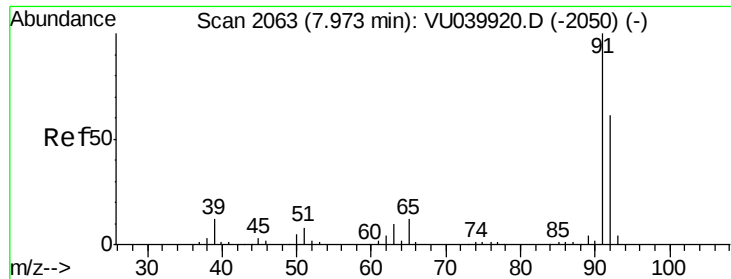
Tgt Ion: 75 Resp: 53195
 Ion Ratio Lower Upper
 75 100
 77 33.0 22.6 42.0



#40
 4-Methyl-2-pentanone
 Concen: 47.622 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU039945.D
 Acq: 24 Aug 2020 14:22

Tgt Ion: 43 Resp: 262926
 Ion Ratio Lower Upper
 43 100
 58 36.2 29.7 44.5
 100 13.6 11.2 16.8





#42

Toluene

Concen: 5.337 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VU039945.D

Acq: 24 Aug 2020 14:22

Instrument :

MSVOA_U

ClientSampleId :

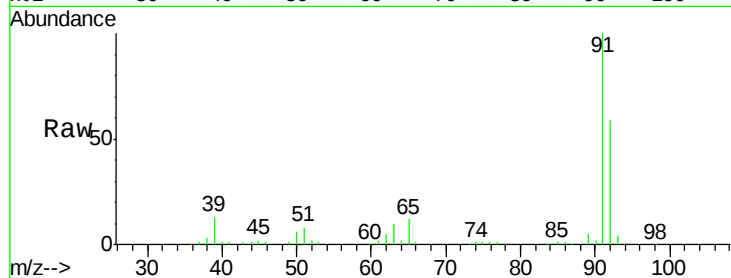
VSTD00530

Tgt Ion: 91 Resp: 143185

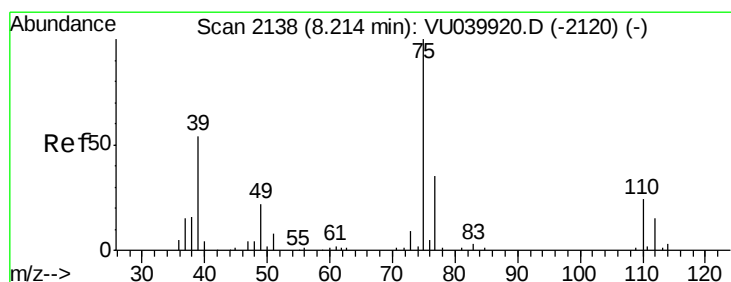
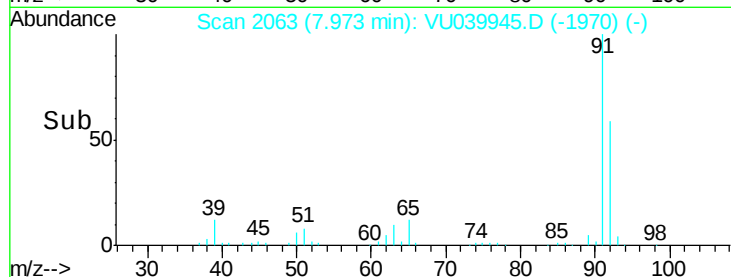
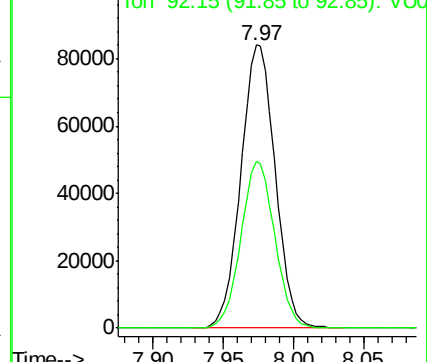
Ion Ratio Lower Upper

91 100

92 58.9 42.3 78.5



Abundance Ion 91.15 (90.85 to 91.85): VU039920.D (-2050) (-)



#44

trans-1,3-Dichloropropene

Concen: 5.192 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU039945.D

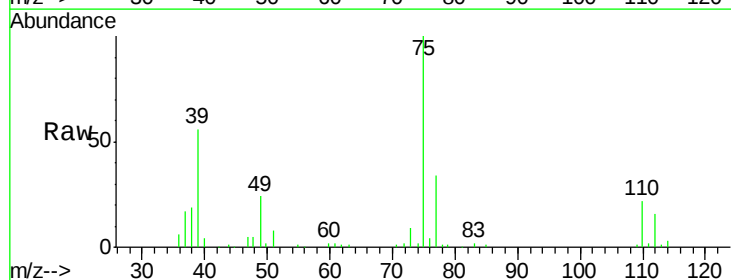
Acq: 24 Aug 2020 14:22

Tgt Ion: 75 Resp: 47531

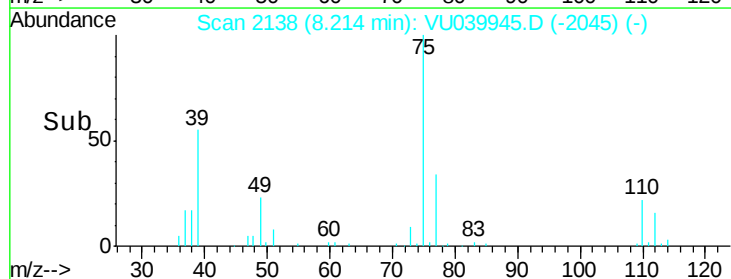
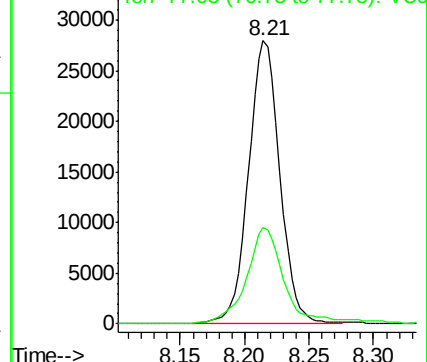
Ion Ratio Lower Upper

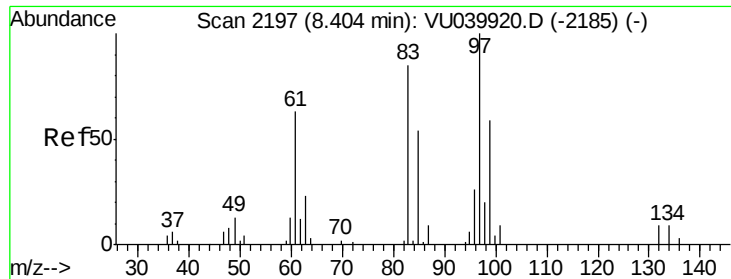
75 100

77 34.3 25.3 46.9



Abundance Ion 75.05 (74.75 to 75.75): VU039920.D (-2120) (-)

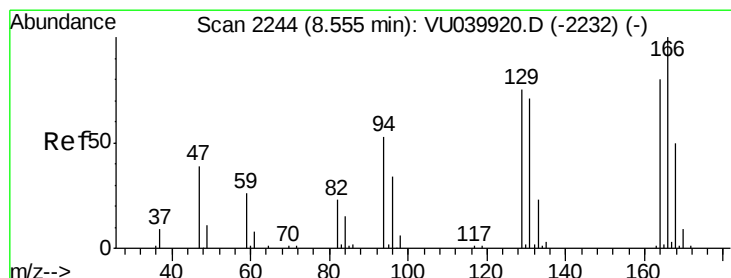
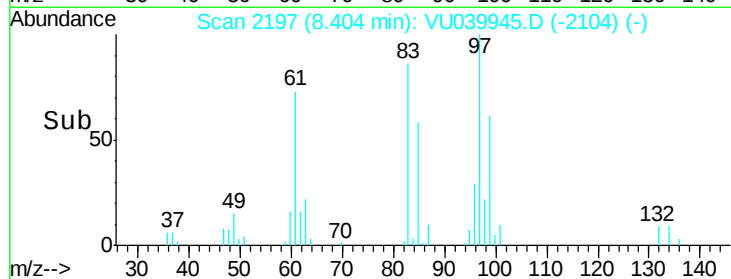
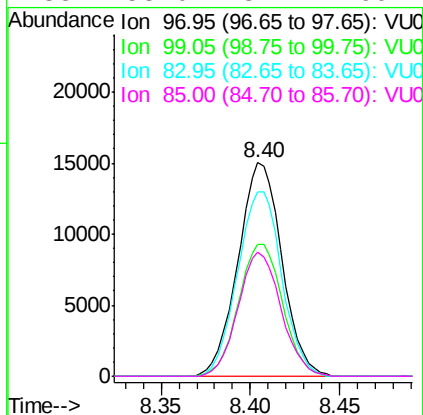
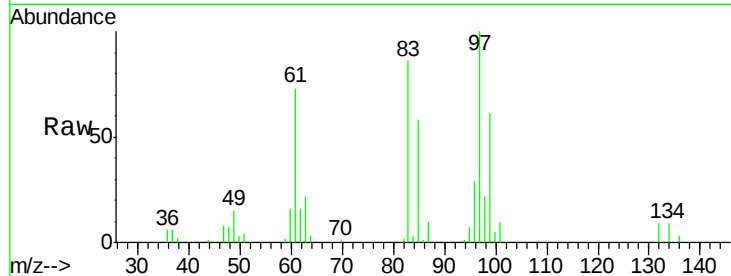




#45
 1,1,2-Trichloroethane
 Concen: 4.853 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VU039945.D
 Acq: 24 Aug 2020 14:22

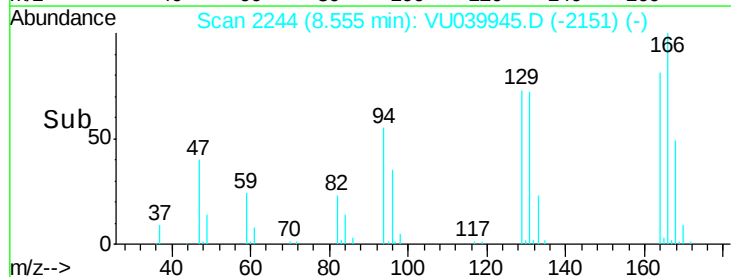
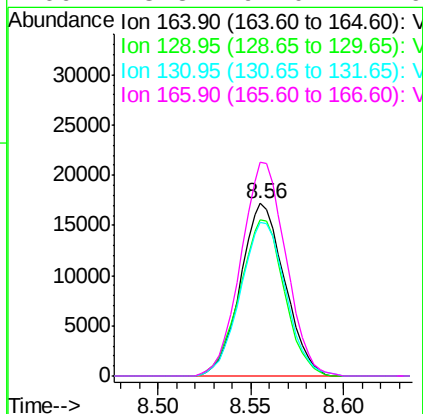
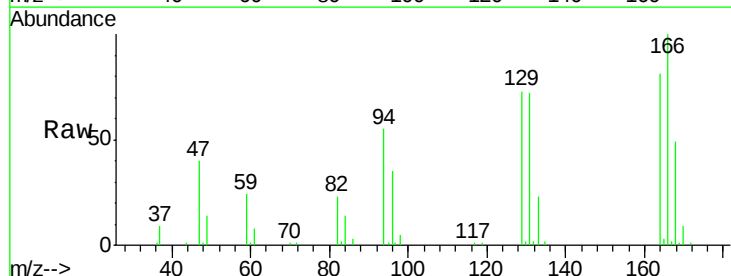
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

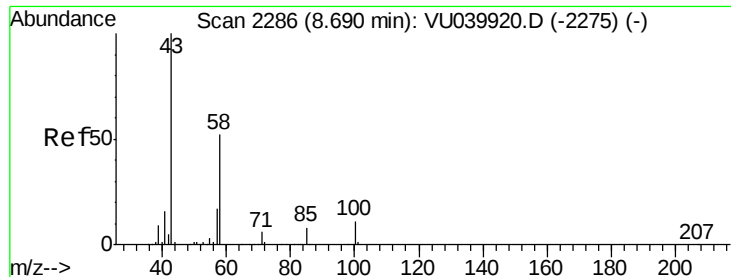
Tgt Ion:	97	Resp:	25710
Ion	Ratio	Lower	Upper
97	100		
99	61.5	42.1	78.3
83	86.3	59.3	110.1
85	58.0	37.2	69.2



#47
 Tetrachloroethene
 Concen: 5.660 ug/L
 RT: 8.56 min Scan# 2244
 Delta R.T. 0.00 min
 Lab File: VU039945.D
 Acq: 24 Aug 2020 14:22

Tgt Ion:	164	Resp:	28427
Ion	Ratio	Lower	Upper
164	100		
129	90.9	69.1	128.3
131	89.3	66.0	122.6
166	123.8	94.0	174.6

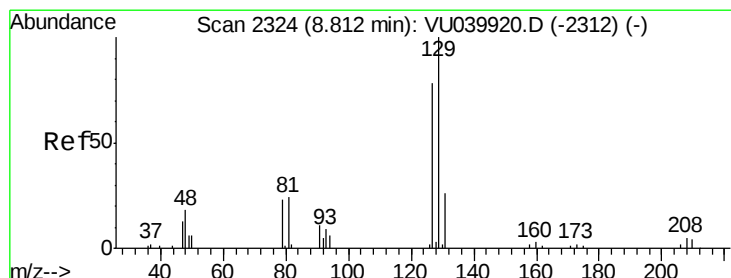
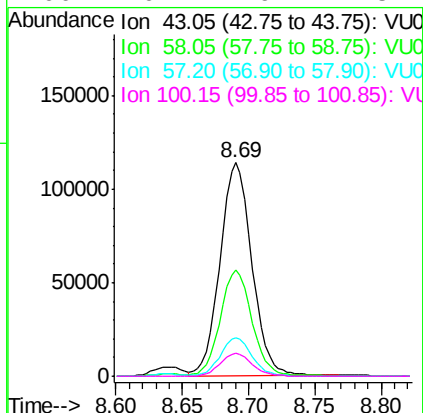
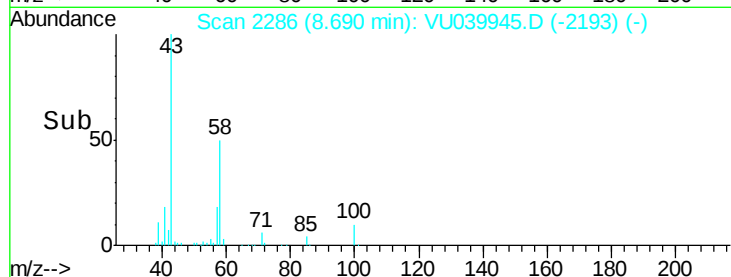
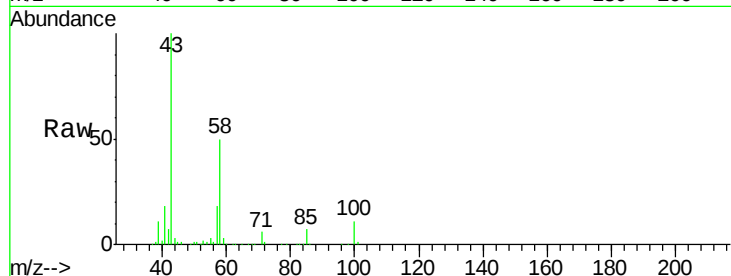




#48
2-Hexanone
Concen: 48.101 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU039945.D
Acq: 24 Aug 2020 14:22

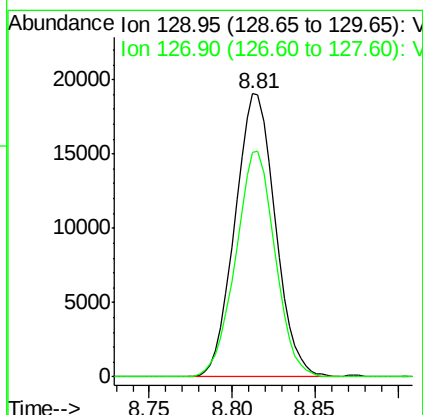
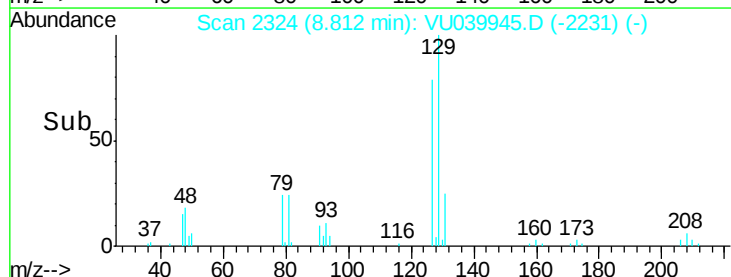
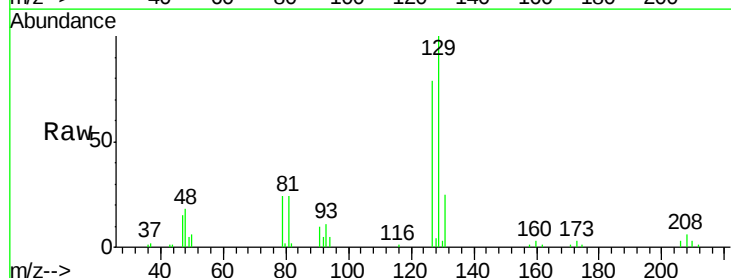
Instrument :
MSVOA_U
ClientSampleId :
VSTD00530

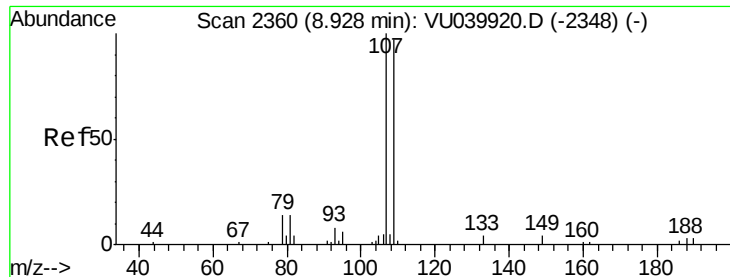
Tgt Ion:	43	Resp:	190310
Ion	Ratio	Lower	Upper
43	100		
58	49.7	41.3	61.9
57	17.5	14.1	21.1
100	10.7	9.1	13.7



#49
Dibromochloromethane
Concen: 5.106 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. 0.00 min
Lab File: VU039945.D
Acq: 24 Aug 2020 14:22

Tgt Ion:	129	Resp:	32289
Ion	Ratio	Lower	Upper
129	100		
127	79.1	53.1	98.7

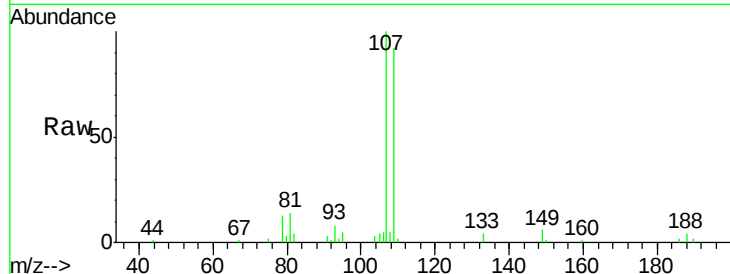




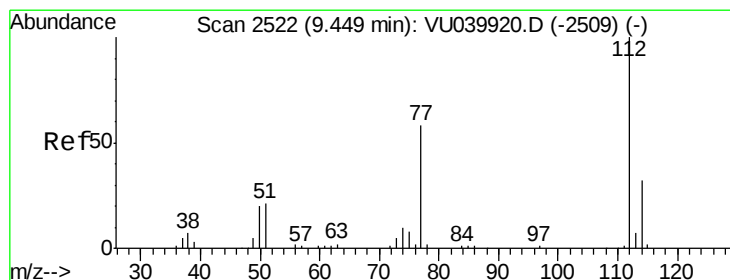
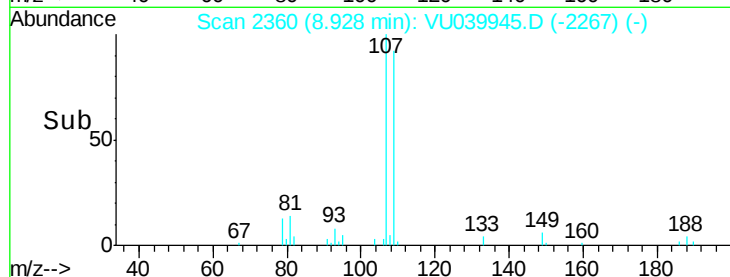
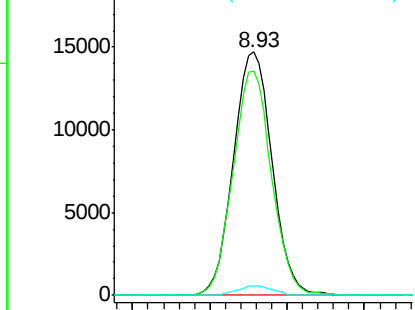
#50
1,2-Dibromoethane
Concen: 5.064 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. 0.00 min
Lab File: VU039945.D
Acq: 24 Aug 2020 14:22

Instrument :
MSVOA_U
ClientSampleId :
VSTD00530

Tgt Ion:107 Resp: 25545
Ion Ratio Lower Upper
107 100
109 92.4 68.3 126.9
188 4.0 2.2 3.4#

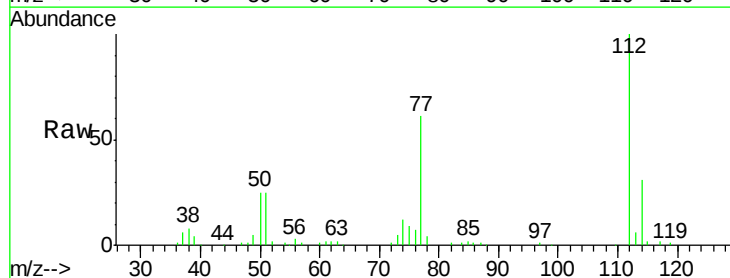


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

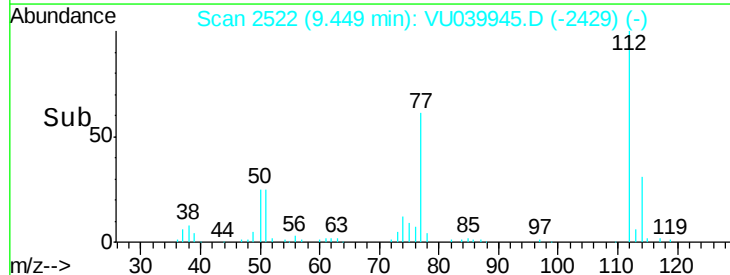
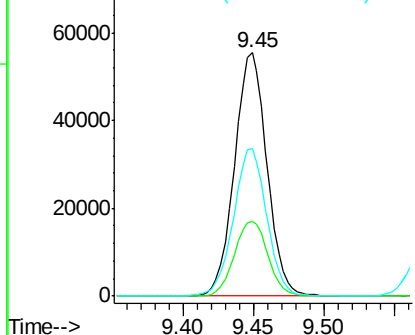


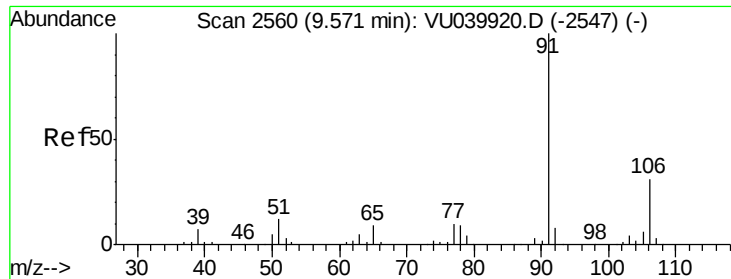
#51
Chlorobenzene
Concen: 5.099 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU039945.D
Acq: 24 Aug 2020 14:22

Tgt Ion:112 Resp: 89325
Ion Ratio Lower Upper
112 100
114 30.9 21.8 40.4
77 60.5 45.4 68.0



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





#52

Ethylbenzene

Concen: 5.380 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU039945.D

Acq: 24 Aug 2020 14:22

Instrument :

MSVOA_U

ClientSampleId :

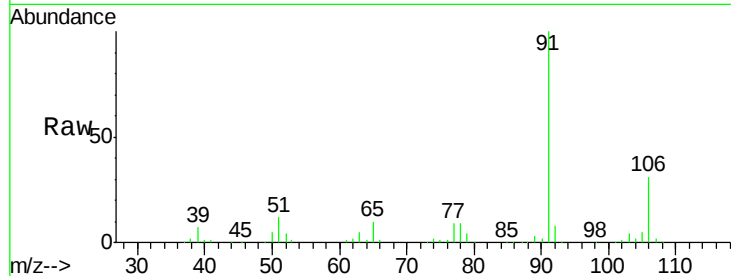
VSTD00530

Tgt Ion: 91 Resp: 156999

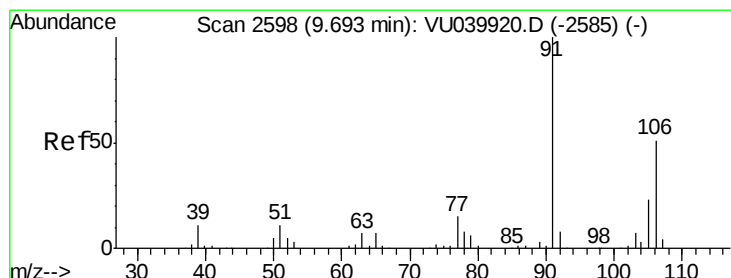
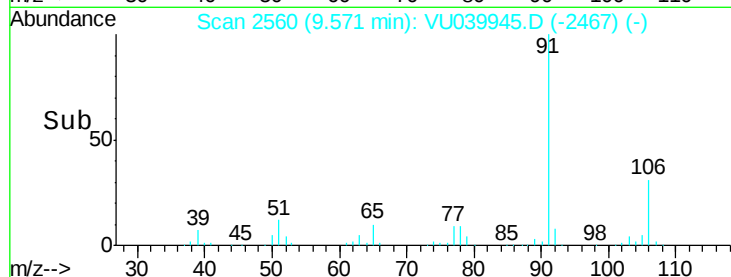
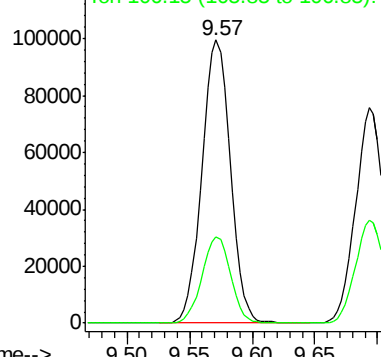
Ion Ratio Lower Upper

91 100

106 30.5 21.2 39.4



Abundance Ion 91.15 (90.85 to 91.85): VU039945.D (-2547) (-)



#53

m,p-Xylene

Concen: 5.297 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU039945.D

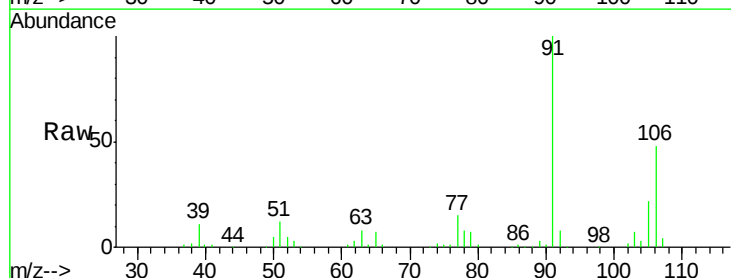
Acq: 24 Aug 2020 14:22

Tgt Ion: 106 Resp: 59341

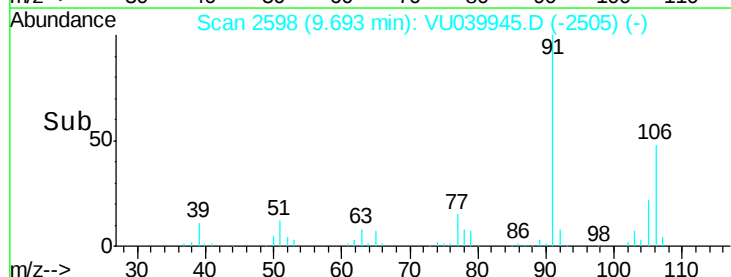
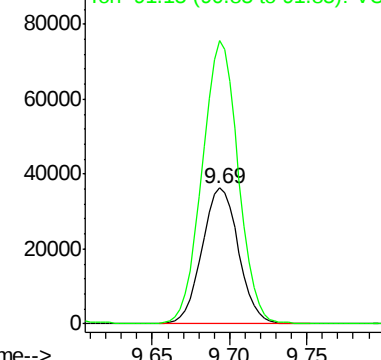
Ion Ratio Lower Upper

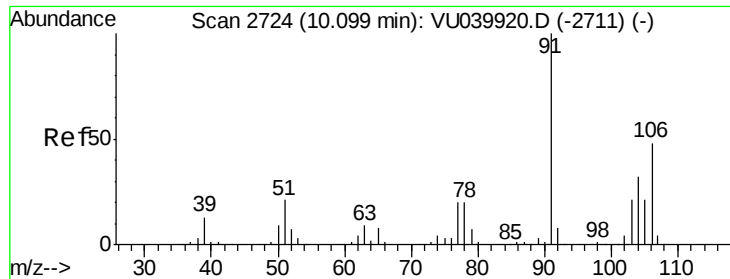
106 100

91 208.1 139.8 259.6



Abundance Ion 106.15 (105.85 to 106.85): VU039945.D (-2598) (-)

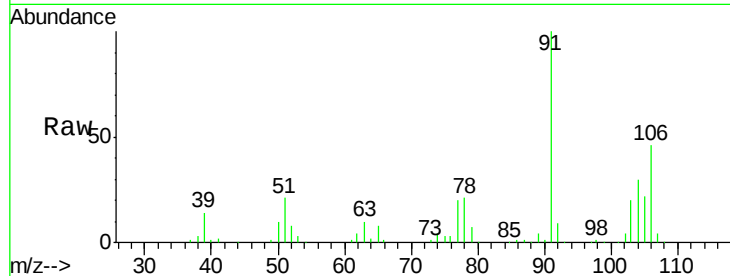




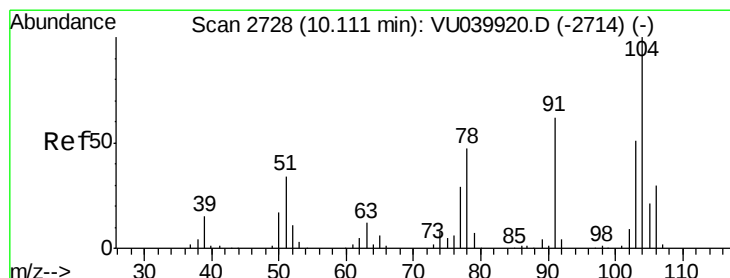
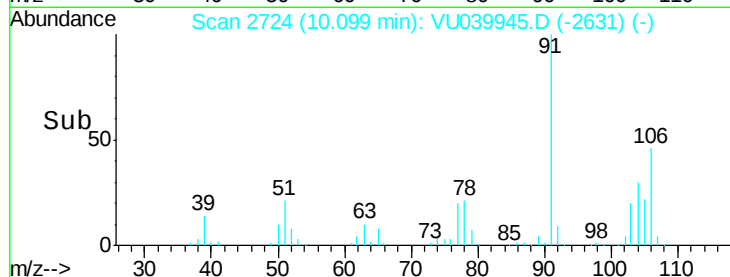
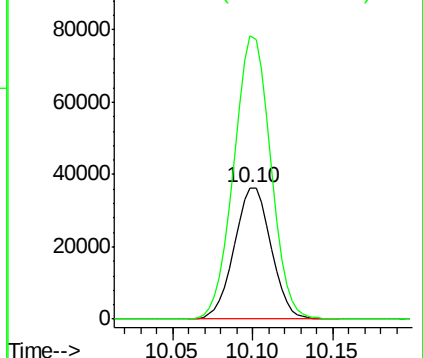
#54
o-Xylene
Concen: 5.387 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. 0.00 min
Lab File: VU039945.D
Acq: 24 Aug 2020 14:22

Instrument :
MSVOA_U
ClientSampleId :
VSTD00530

Tgt Ion:106 Resp: 57040
Ion Ratio Lower Upper
106 100
91 215.6 144.6 268.6

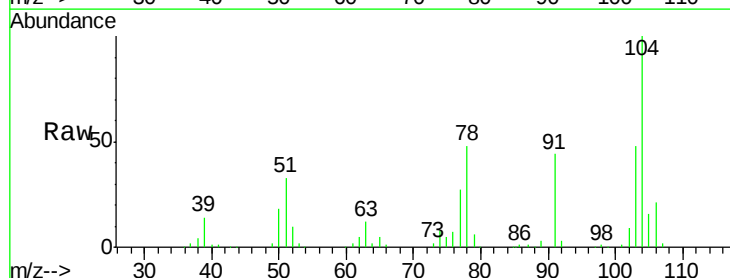


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

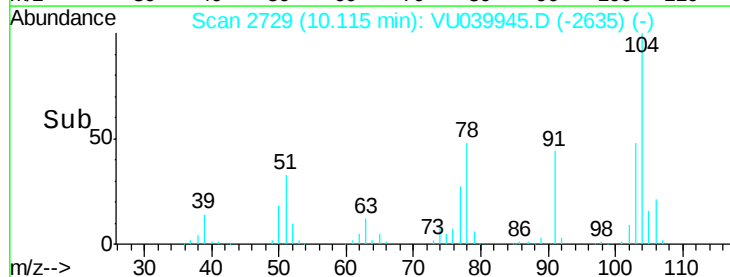
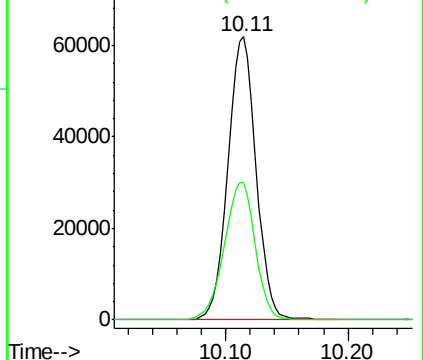


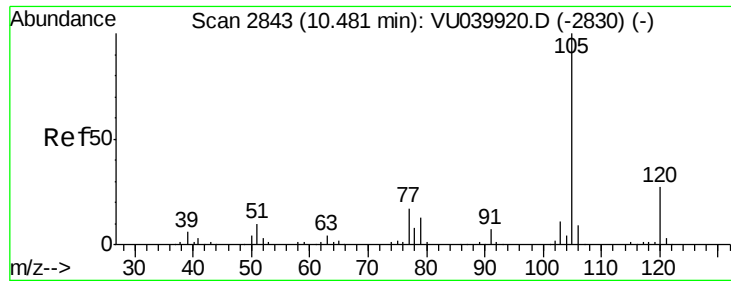
#55
Styrene
Concen: 5.439 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU039945.D
Acq: 24 Aug 2020 14:22

Tgt Ion:104 Resp: 99836
Ion Ratio Lower Upper
104 100
78 48.5 32.3 59.9



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





#56

Isopropylbenzene

Concen: 5.449 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU039945.D

Acq: 24 Aug 2020 14:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD00530

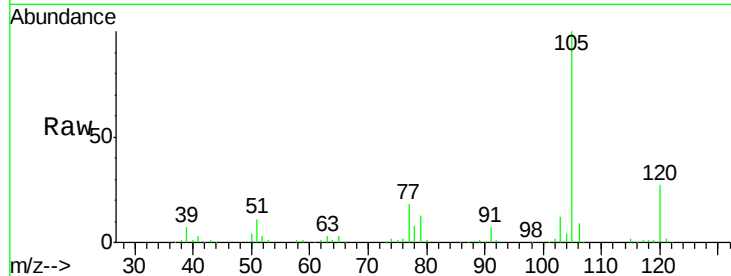
Tgt Ion: 105 Resp: 154652

Ion Ratio Lower Upper

105 100

120 26.4 21.5 32.3

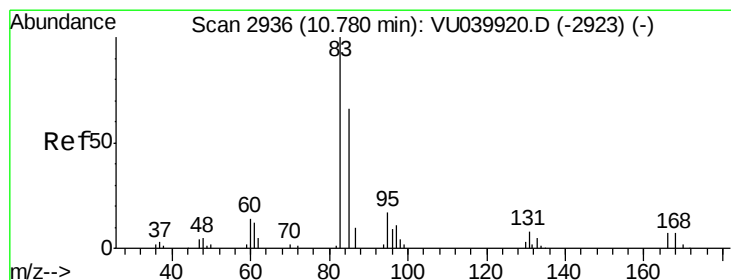
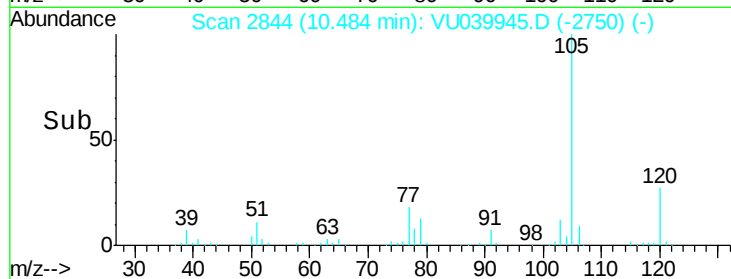
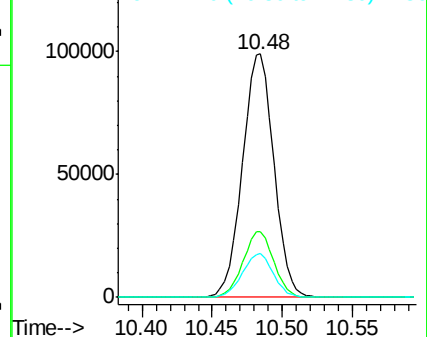
77 17.8 13.0 19.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.449 ug/L

RT: 10.78 min Scan# 2937

Delta R.T. 0.00 min

Lab File: VU039945.D

Acq: 24 Aug 2020 14:22

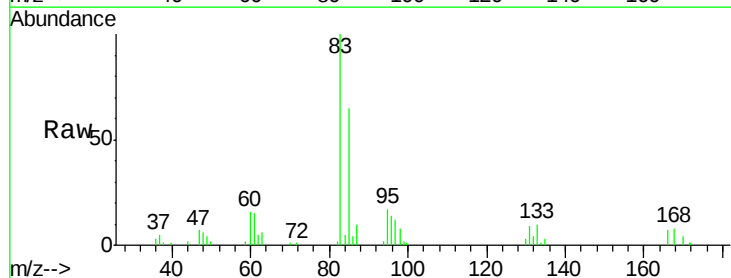
Tgt Ion: 83 Resp: 30428

Ion Ratio Lower Upper

83 100

85 65.4 42.8 79.6

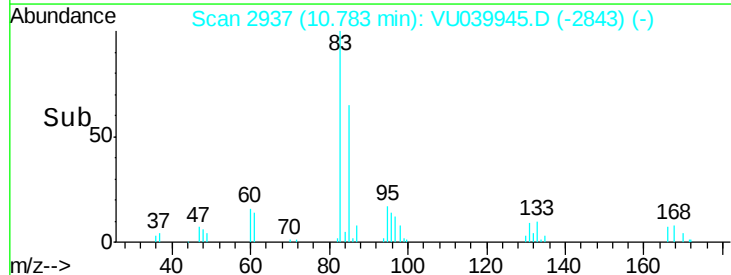
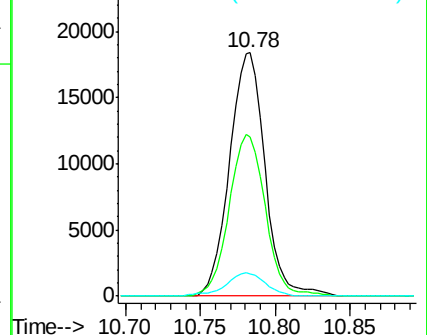
131 9.2 7.4 11.2

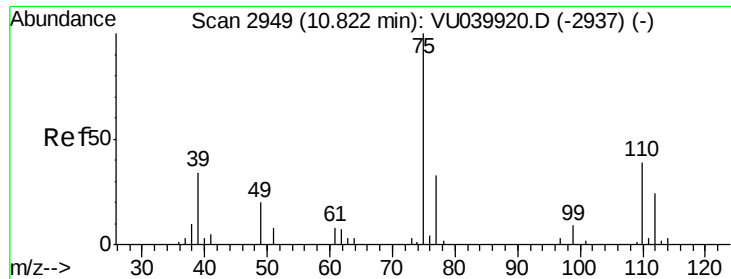


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.622 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU039945.D

Acq: 24 Aug 2020 14:22

Instrument :

MSVOA_U

ClientSampleId :

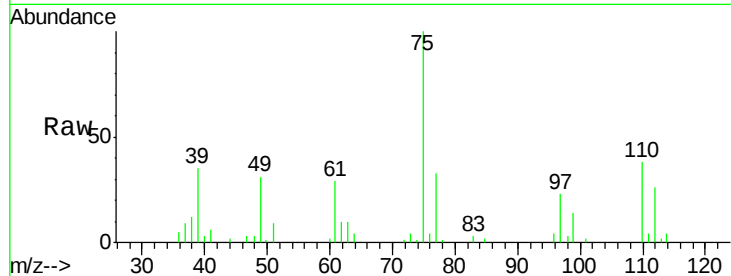
VSTD00530

Tgt Ion: 75 Resp: 23088

Ion Ratio Lower Upper

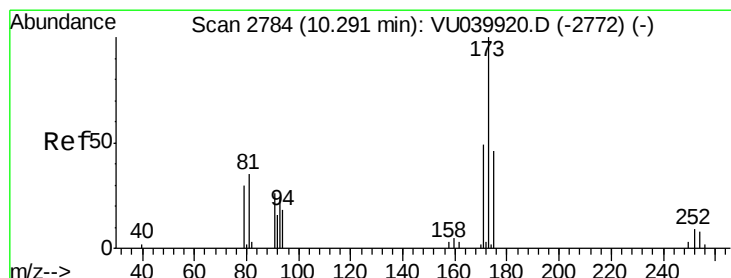
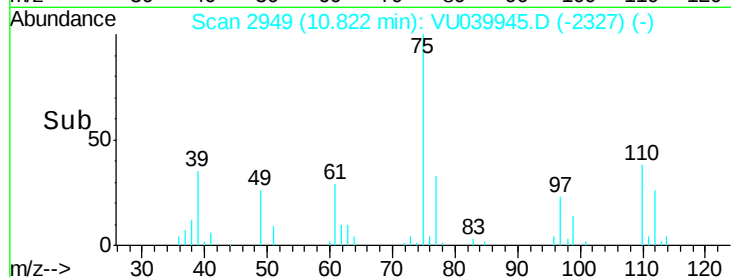
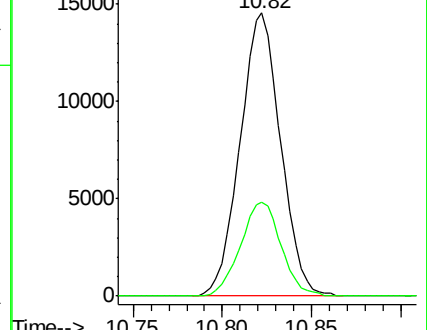
75 100

77 33.3 27.4 41.2



Abundance Ion 75.00 (74.70 to 75.70): VU039920.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU039920.D (-2937) (-)



#61

Bromoform

Concen: 5.593 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU039945.D

Acq: 24 Aug 2020 14:22

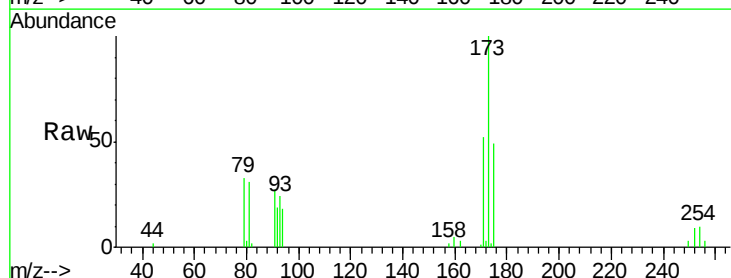
Tgt Ion: 173 Resp: 18911

Ion Ratio Lower Upper

173 100

175 47.3 37.6 56.4

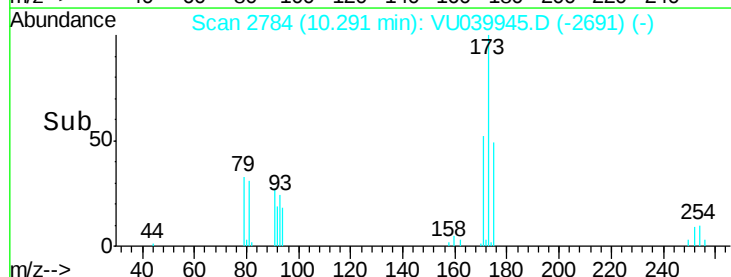
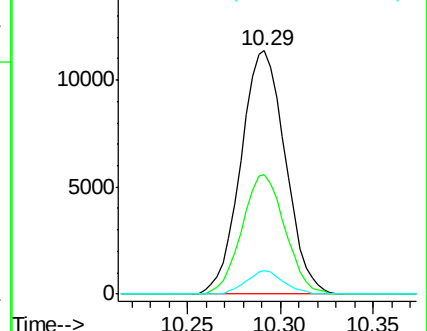
254 8.1 5.8 8.8

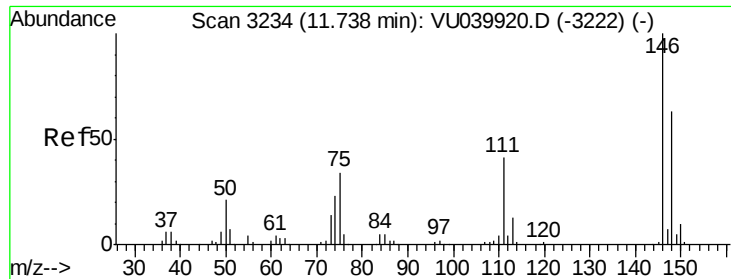


Abundance Ion 172.90 (172.60 to 173.60): VU039920.D (-2772) (-)

Ion 174.90 (174.60 to 175.60): VU039920.D (-2772) (-)

Ion 253.75 (253.45 to 254.45): VU039920.D (-2772) (-)

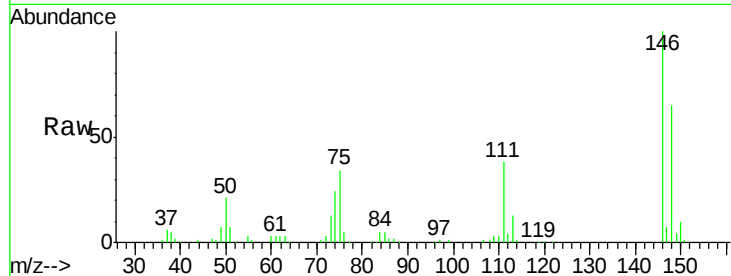




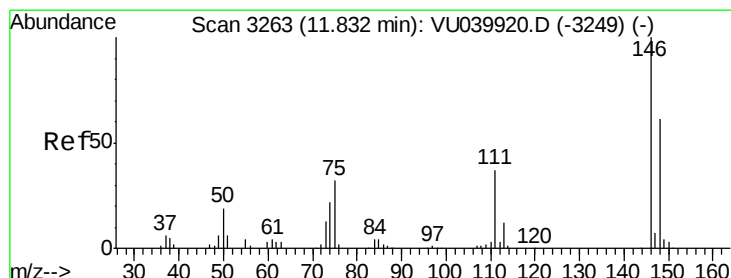
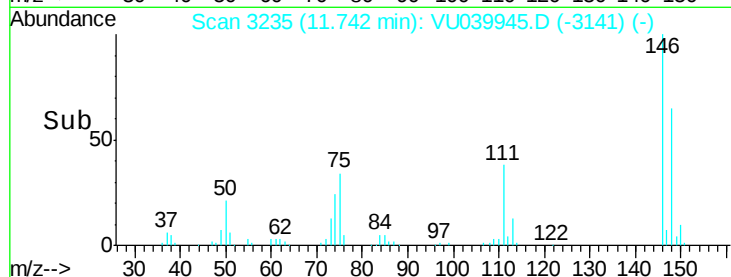
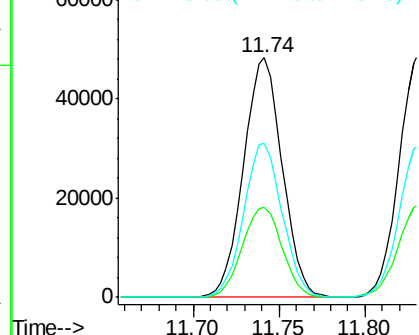
#62
 1,3-Dichlorobenzene
 Concen: 5.309 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU039945.D
 Acq: 24 Aug 2020 14:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

Tgt Ion:146 Resp: 75459
 Ion Ratio Lower Upper
 146 100
 111 37.5 27.6 51.4
 148 64.6 43.8 81.4

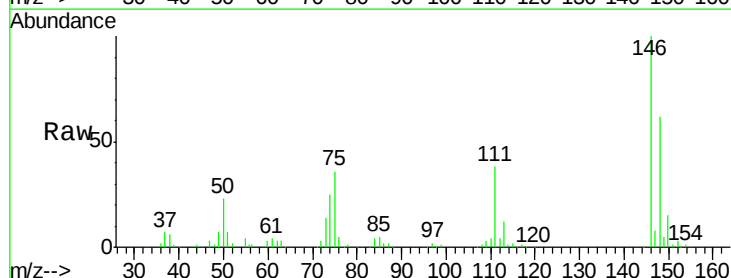


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

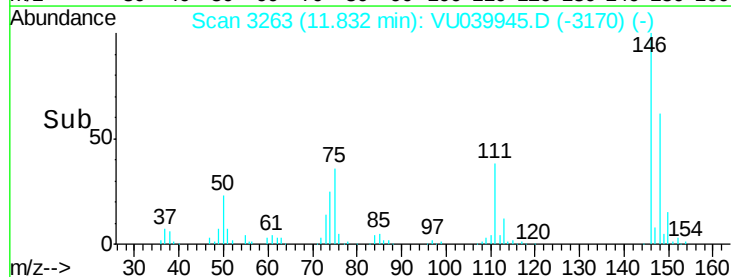
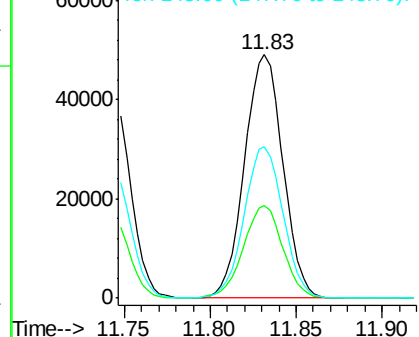


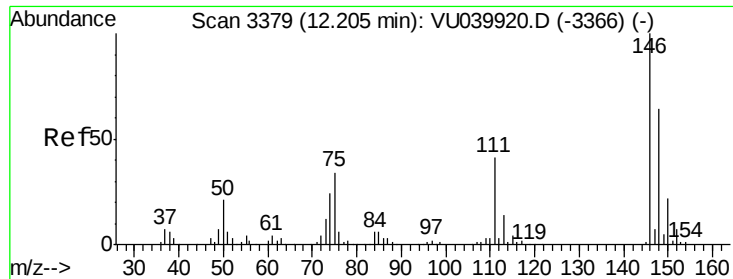
#63
 1,4-Dichlorobenzene
 Concen: 5.264 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU039945.D
 Acq: 24 Aug 2020 14:22

Tgt Ion:146 Resp: 76187
 Ion Ratio Lower Upper
 146 100
 111 38.0 26.5 49.1
 148 62.2 42.8 79.4



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





#65

1,2-Dichlorobenzene

Concen: 5.109 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU039945.D

Acq: 24 Aug 2020 14:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD00530

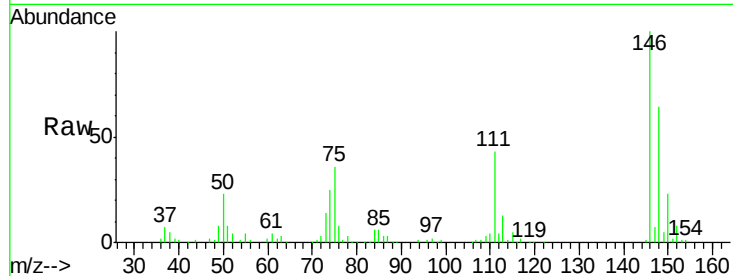
Tgt Ion:146 Resp: 70078

Ion Ratio Lower Upper

146 100

111 43.2 33.4 50.0

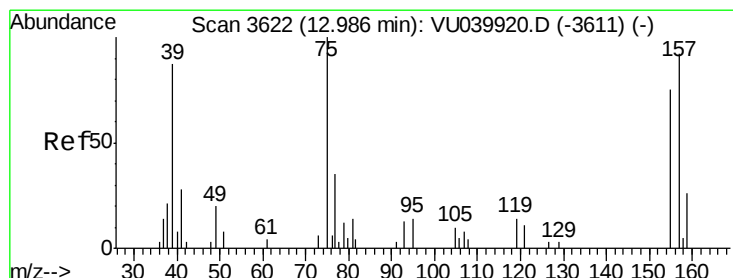
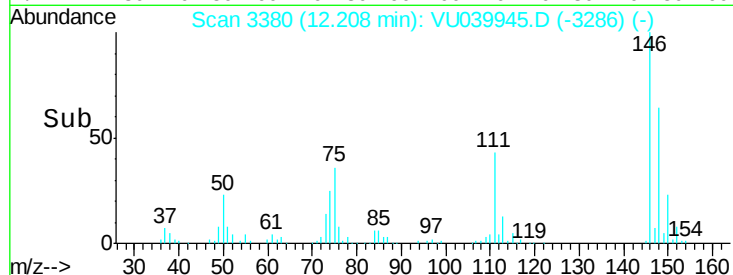
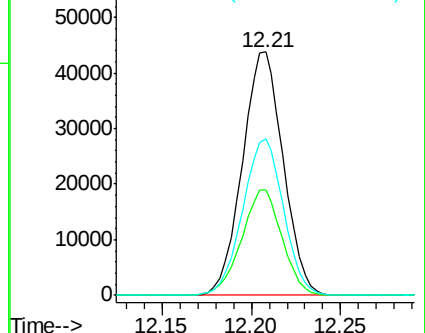
148 64.1 51.4 77.0



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



#66

1,2-Dibromo-3-chloropropane

Concen: 5.235 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. 0.00 min

Lab File: VU039945.D

Acq: 24 Aug 2020 14:22

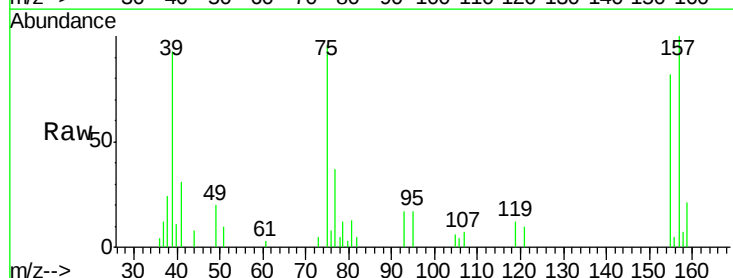
Tgt Ion: 75 Resp: 5872

Ion Ratio Lower Upper

75 100

155 85.5 54.6 82.0#

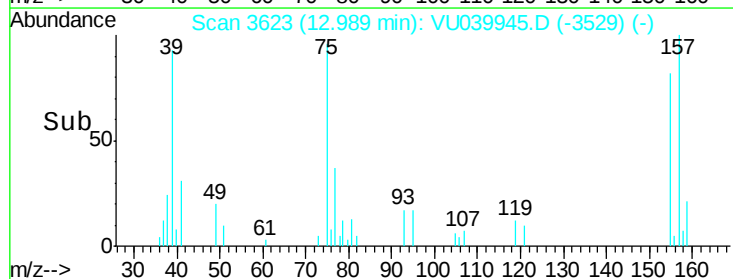
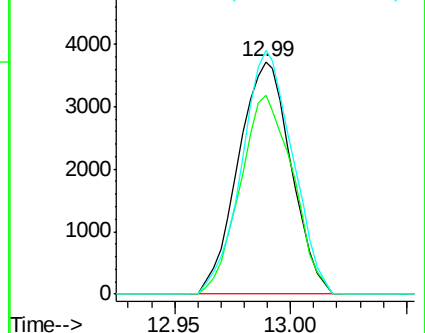
157 104.6 72.2 108.4

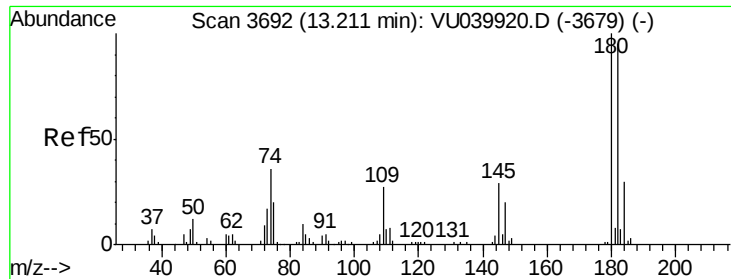


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

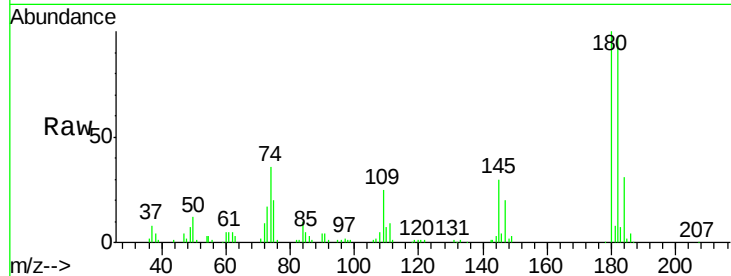




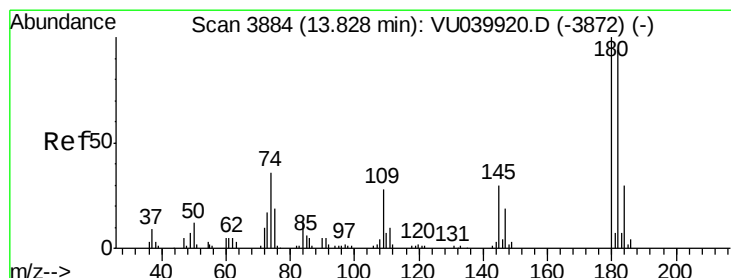
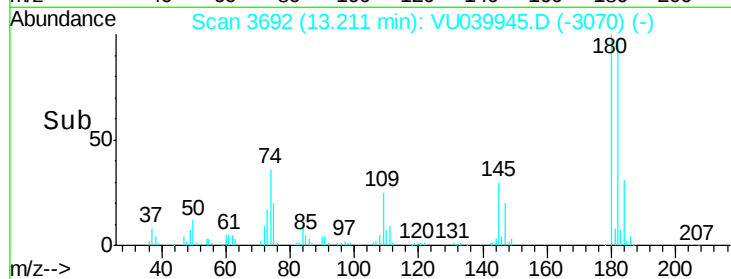
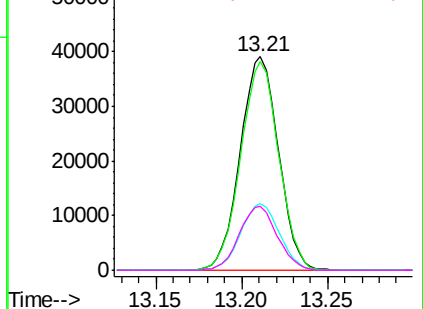
#67
 1,3,5-Trichlorobenzene
 Concen: 5.735 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU039945.D
 Acq: 24 Aug 2020 14:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

Tgt Ion:180 Resp: 60536
 Ion Ratio Lower Upper
 180 100
 182 97.0 79.2 118.8
 184 31.2 24.6 36.8
 145 29.8 25.7 38.5

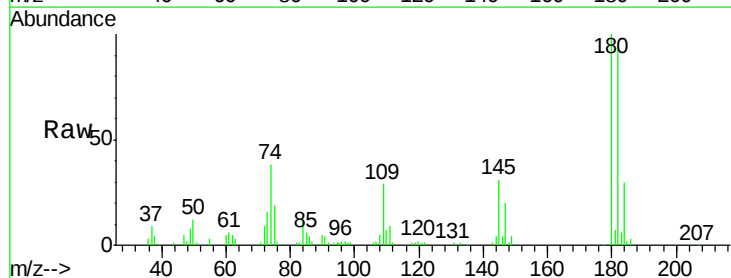


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

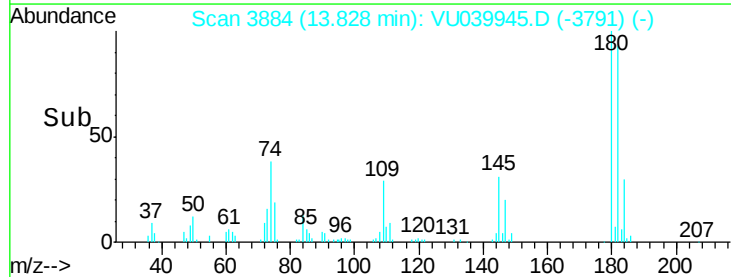
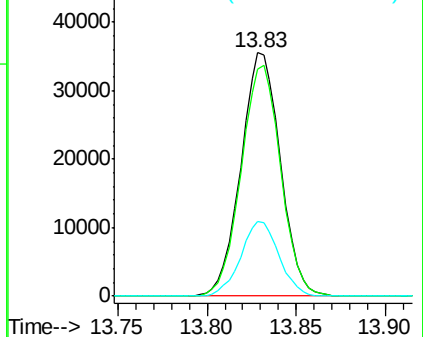


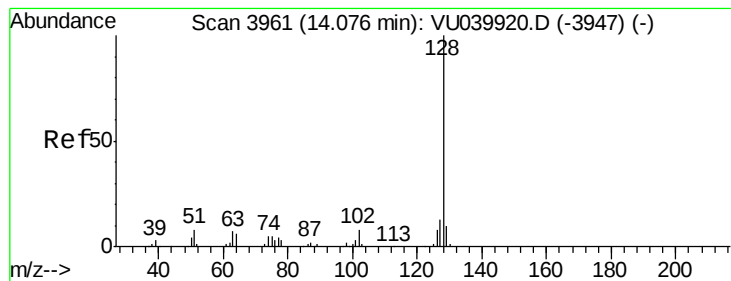
#68
 1,2,4-trichlorobenzene
 Concen: 6.079 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU039945.D
 Acq: 24 Aug 2020 14:22

Tgt Ion:180 Resp: 54743
 Ion Ratio Lower Upper
 180 100
 182 94.9 75.2 112.8
 145 29.7 24.6 36.8



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

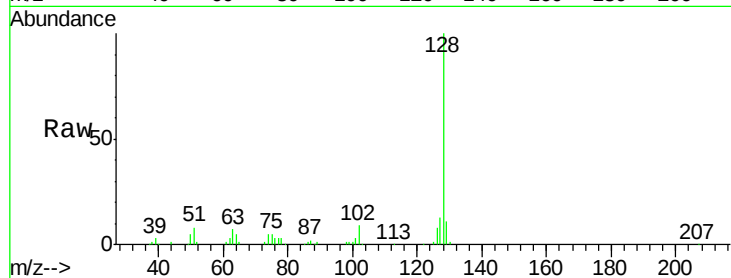




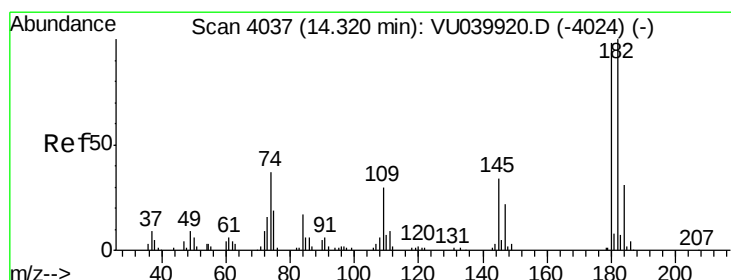
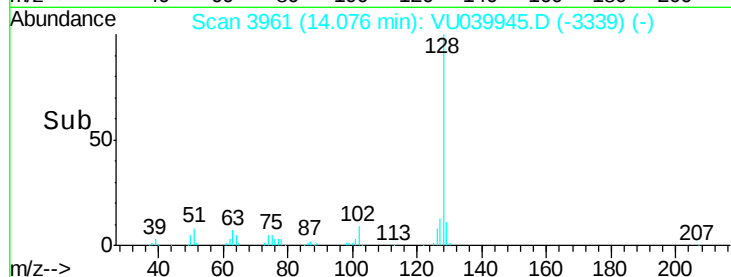
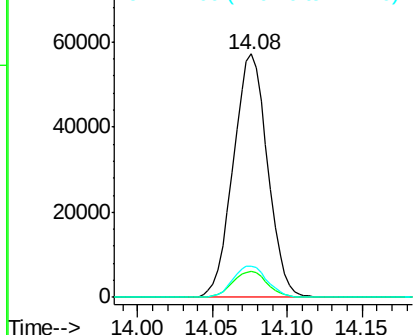
#69
Naphthalene
Concen: 5.497 ug/L
RT: 14.08 min Scan# 3961
Delta R.T. 0.00 min
Lab File: VU039945.D
Acq: 24 Aug 2020 14:22

Instrument :
MSVOA_U
ClientSampleId :
VSTD00530

Tgt Ion:128 Resp: 91434
Ion Ratio Lower Upper
128 100
129 10.7 8.5 12.7
127 13.0 10.2 15.4

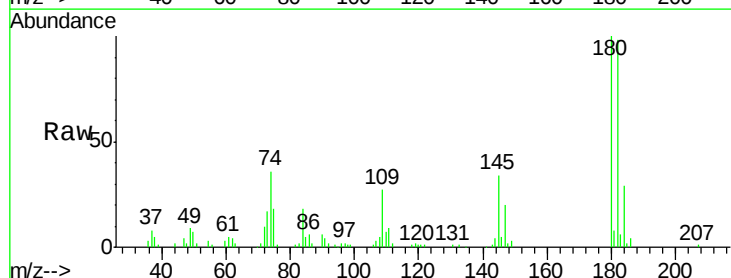


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#70
1,2,3-Trichlorobenzene
Concen: 5.914 ug/L
RT: 14.32 min Scan# 4037
Delta R.T. 0.00 min
Lab File: VU039945.D
Acq: 24 Aug 2020 14:22

Tgt Ion:180 Resp: 49769
Ion Ratio Lower Upper
180 100
182 94.5 75.0 112.6
145 33.3 26.4 39.6



Abundance Ion 179.90 (179.60 to 180.60): V
Ion 181.90 (181.60 to 182.60): V
Ion 144.95 (144.65 to 145.65): V

