

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081920\
 Data File : VU039901.D
 Acq On : 19 Aug 2020 11:07
 Operator : SY/MD
 Sample : VSTD02006
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

Quant Time: Aug 20 07:42:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR081920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Aug 20 07:38:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	81280	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	78527	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	44015	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	130375	26.83	ug/L	0.00
7) Chloroethane-d5	1.92	69	115105	22.94	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	261457	26.58	ug/L	0.00
20) 2-Butanone-d5	4.66	46	451624	226.42	ug/L	-0.01
24) Chloroform-d	5.08	84	246654	21.67	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	136279	20.53	ug/L	0.00
32) Benzene-d6	5.74	84	460268	23.76	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	149279	22.71	ug/L	0.00
41) Toluene-d8	7.91	98	411774	23.81	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	66010	25.84	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	354522	255.96	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.75	84	136009	21.56	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.19	152	171619	22.24	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.39	85	158345	22.361	ug/L	100
3) Chloromethane	1.53	50	177748	23.745	ug/L	99
5) Vinyl chloride	1.61	62	175258	24.070	ug/L	97
6) Bromomethane	1.87	94	102938	23.355	ug/L	99
8) Chloroethane	1.94	64	107714	21.265	ug/L	96
9) Trichlorofluoromethane	2.15	101	283168	25.688	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	145012	23.453	ug/L	96
12) 1,1-Dichloroethene	2.59	96	134560	24.880	ug/L	94
13) Acetone	2.66	43	296324	238.541	ug/L #	40
14) Carbon disulfide	2.81	76	451866	26.438	ug/L	100
15) Methyl Acetate	2.97	43	73974	24.090	ug/L	92
16) Methylene chloride	3.06	84	153220	18.341	ug/L	95
17) Methyl tert-butyl Ether	3.38	73	373809	26.461	ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	143631	24.272	ug/L	94
19) 1,1-Dichloroethane	3.89	63	270602	24.730	ug/L	98
21) 2-Butanone	4.74	43	518863	261.948	ug/L	99
22) cis-1,2-Dichloroethene	4.69	96	156155	24.762	ug/L	99
23) Bromochloromethane	4.99	128	71836	24.222	ug/L	96
25) Chloroform	5.11	83	266082	23.201	ug/L	100
27) 1,2-Dichloroethane	5.81	62	184857	23.248	ug/L	99
29) 1,1,1-Trichloroethane	5.33	97	236641	25.286	ug/L	100
30) Cyclohexane	5.40	56	250818	27.363	ug/L	100
31) Carbon tetrachloride	5.54	117	213775	25.110	ug/L	99
33) Benzene	5.79	78	568056	24.732	ug/L	100
34) Trichloroethene	6.56	95	148767	25.034	ug/L	95
35) Methylcyclohexane	6.77	83	250864	26.643	ug/L	98
37) 1,2-Dichloropropane	6.80	63	153314	25.088	ug/L	98
38) Bromodichloromethane	7.11	83	199805	25.105	ug/L	99
39) cis-1,3-Dichloropropene	7.62	75	225109	26.743	ug/L	100
40) 4-Methyl-2-pentanone	7.80	43	1235921	268.378	ug/L	100

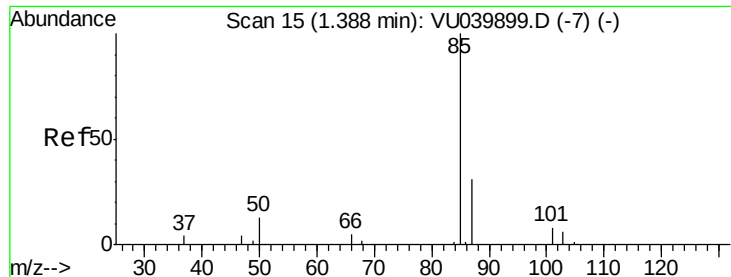
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081920\
 Data File : VU039901.D
 Acq On : 19 Aug 2020 11:07
 Operator : SY/MD
 Sample : VSTD02006
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

Quant Time: Aug 20 07:42:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR081920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Aug 20 07:38:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.98	91	591838	24.521	ug/L	97
44) trans-1,3-Dichloropropene	8.21	75	211987	28.312	ug/L	95
45) 1,1,2-Trichloroethane	8.41	97	110076	24.107	ug/L	96
47) Tetrachloroethene	8.56	164	114838	23.791	ug/L	96
48) 2-Hexanone	8.69	43	903193	272.150	ug/L	99
49) Dibromochloromethane	8.82	129	143757	25.742	ug/L	97
50) 1,2-Dibromoethane	8.93	107	108270	24.337	ug/L #	98
51) Chlorobenzene	9.45	112	382531	23.864	ug/L	97
52) Ethylbenzene	9.57	91	681213	25.487	ug/L	98
53) m,p-Xylene	9.69	106	262671	25.793	ug/L	98
54) o-Xylene	10.10	106	253557	25.582	ug/L	93
55) Styrene	10.11	104	445840	26.456	ug/L	94
56) Isopropylbenzene	10.48	105	687433	25.905	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	148762	23.903	ug/L	96
59) 1,2,3-Trichloropropane	10.82	75	109819	25.161	ug/L	96
61) Bromoform	10.29	173	85117	26.652	ug/L	98
62) 1,3-Dichlorobenzene	11.74	146	326317	23.769	ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	331499	23.097	ug/L	96
65) 1,2-Dichlorobenzene	12.21	146	317168	23.627	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.99	75	28950	27.883	ug/L	89
67) 1,3,5-Trichlorobenzene	13.21	180	254068	24.654	ug/L	98
68) 1,2,4-trichlorobenzene	13.83	180	231640	26.784	ug/L	100
69) Naphthalene	14.08	128	446106	28.567	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	208923	26.968	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 22.361 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU039901.D

Acq: 19 Aug 2020 11:07

Instrument :

MSVOA_U

ClientSampleId :

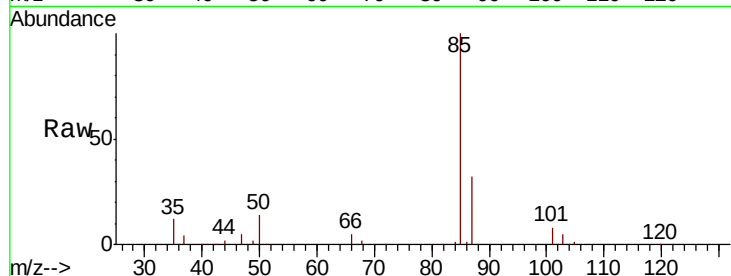
VSTD02006

Tot Ion: 85 Resp: 158345

Ion Ratio Lower Upper

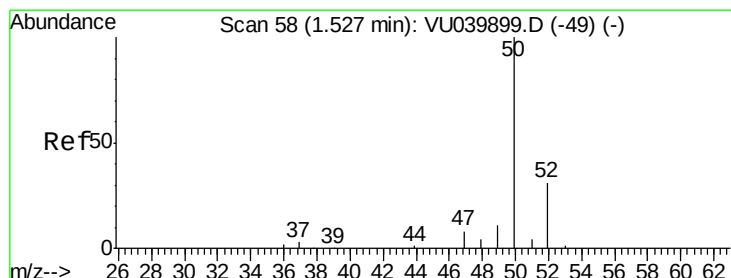
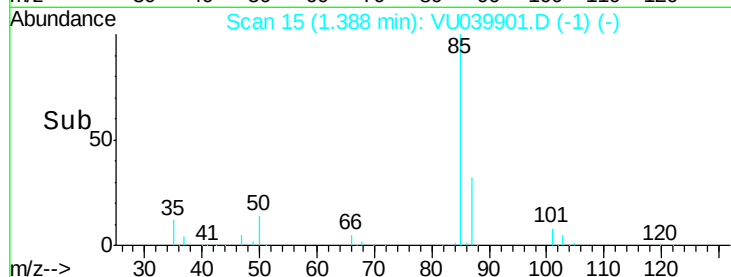
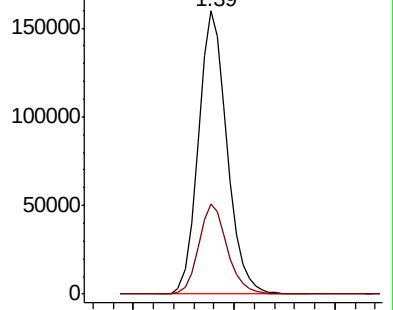
85 100

87 31.5 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU039899.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU039899.D (-7) (-)



#3

Chloromethane

Concen: 23.745 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU039901.D

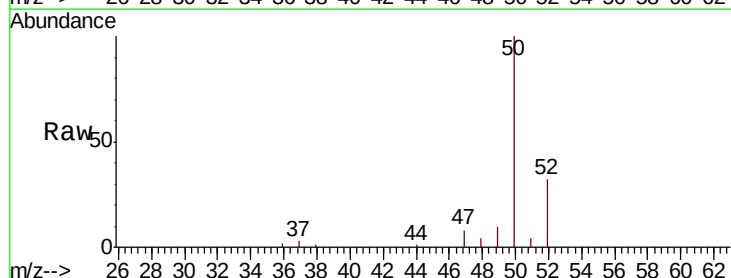
Acq: 19 Aug 2020 11:07

Tgt Ion: 50 Resp: 177748

Ion Ratio Lower Upper

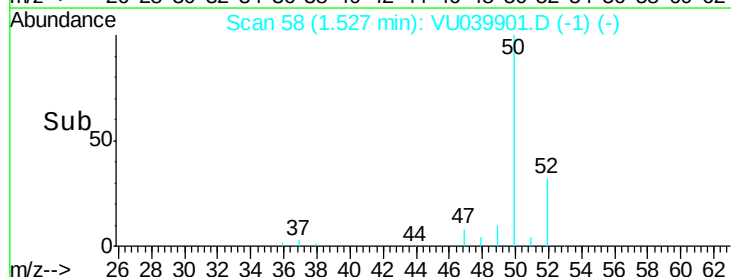
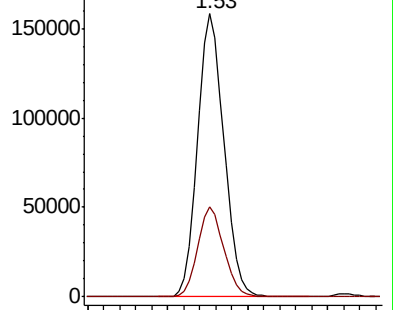
50 100

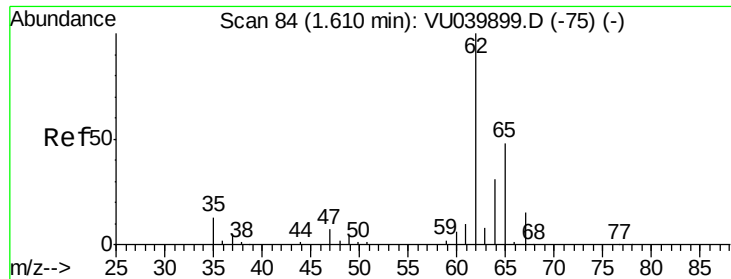
52 31.6 21.9 40.7



Abundance Ion 50.05 (49.75 to 50.75): VU039899.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU039899.D (-49) (-)





#5

Vinyl chloride

Concen: 24.070 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039901.D

Acq: 19 Aug 2020 11:07

Instrument :

MSVOA_U

ClientSampleId :

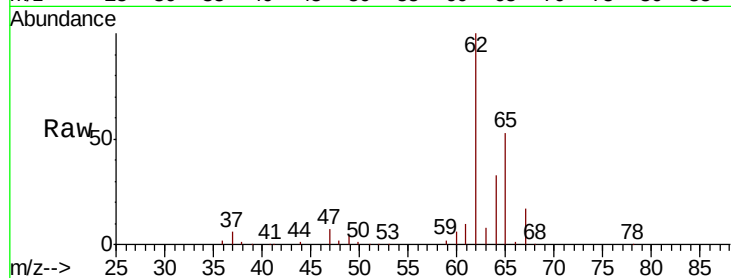
VSTD02006

Tot Ion: 62 Resp: 175258

Ion Ratio Lower Upper

62 100

64 32.6 21.6 40.2



Abundance Ion 62.00 (61.70 to 62.70): VU039899.D (-75) (-)

Ion 64.10 (63.80 to 64.80): VU039899.D (-75) (-)

1.61

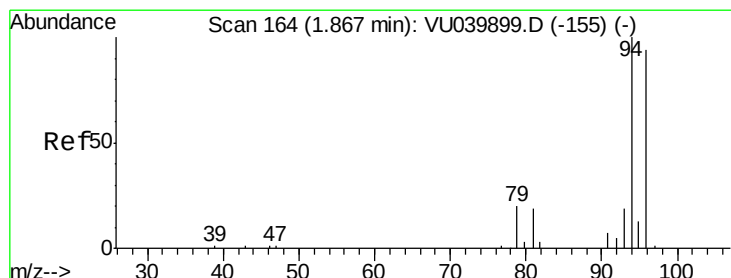
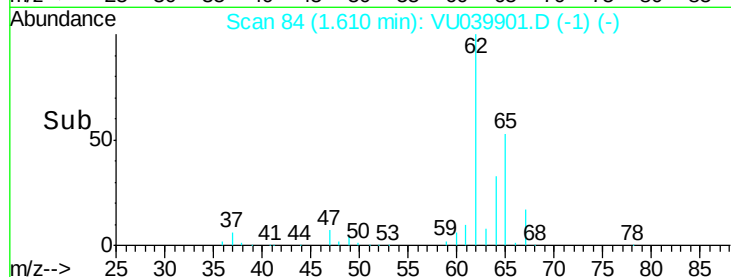
150000

100000

50000

0

Time--> 1.55 1.60 1.65 1.70



#6

Bromomethane

Concen: 23.355 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU039901.D

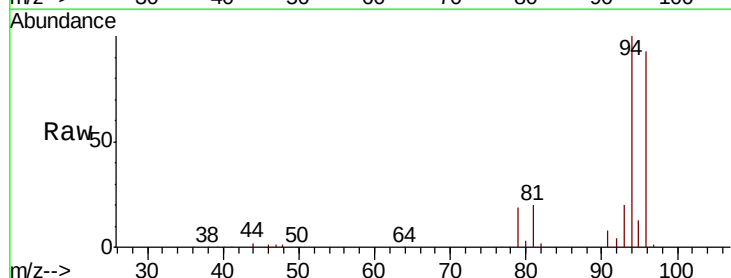
Acq: 19 Aug 2020 11:07

Tgt Ion: 94 Resp: 102938

Ion Ratio Lower Upper

94 100

96 92.7 65.5 121.7



Abundance Ion 94.00 (93.70 to 94.70): VU039899.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU039899.D (-155) (-)

1.87

80000

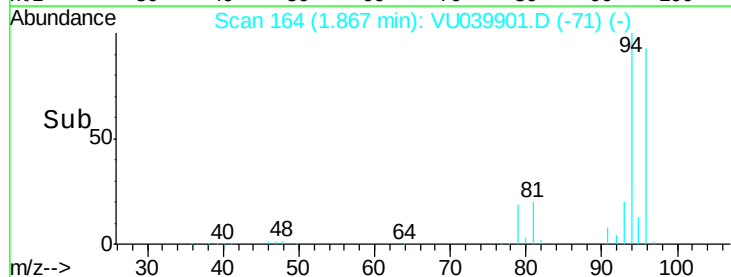
60000

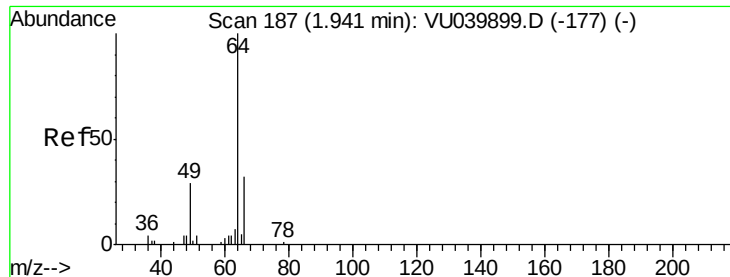
40000

20000

0

Time--> 1.80 1.85 1.90 1.95

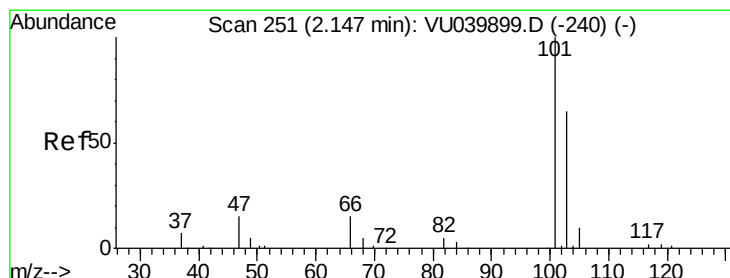
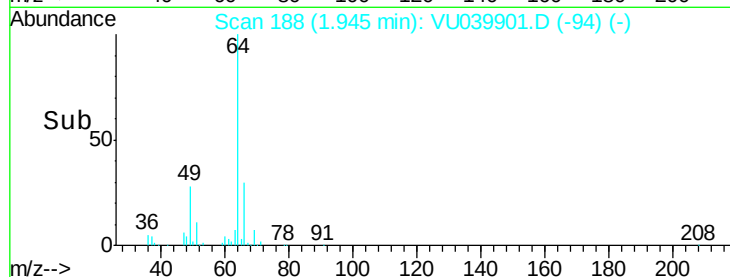
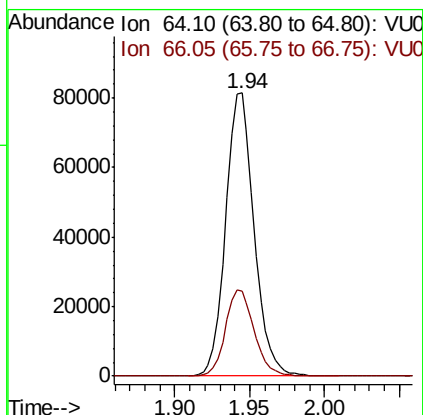
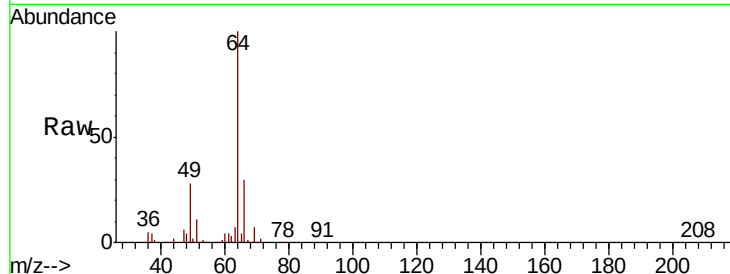




#8
Chloroethane
Concen: 21.265 ug/L
RT: 1.94 min Scan# 188
Delta R.T. 0.00 min
Lab File: VU039901.D
Acq: 19 Aug 2020 11:07

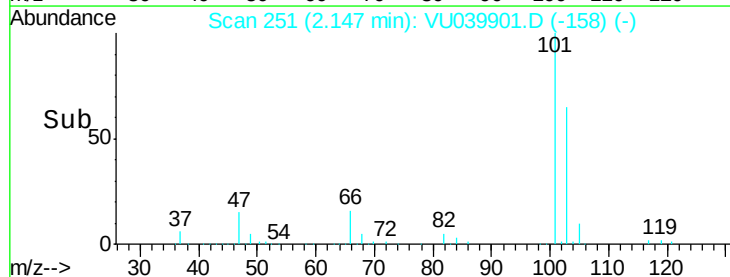
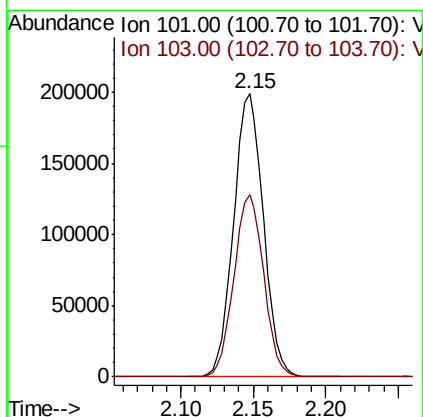
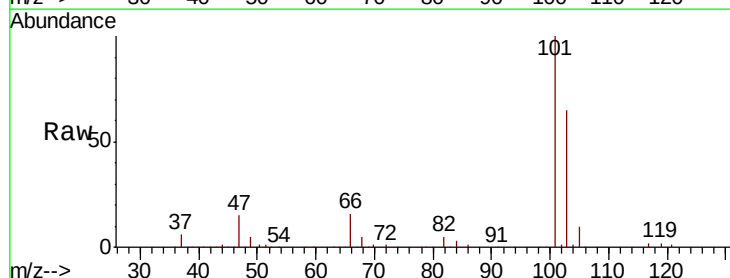
Instrument :
MSVOA_U
ClientSampleId :
VSTD02006

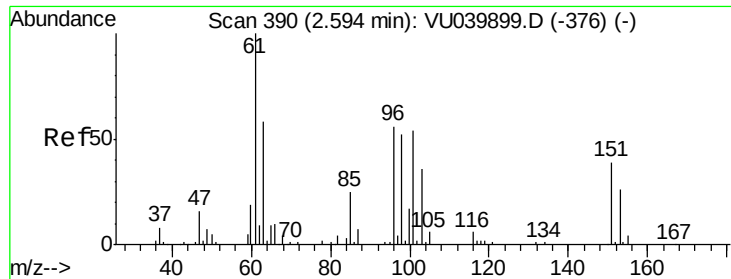
Tot Ion: 64 Resp: 107714
Ion Ratio Lower Upper
64 100
66 30.1 22.6 42.0



#9
Trichlorofluoromethane
Concen: 25.688 ug/L
RT: 2.15 min Scan# 251
Delta R.T. 0.00 min
Lab File: VU039901.D
Acq: 19 Aug 2020 11:07

Tgt Ion:101 Resp: 283168
Ion Ratio Lower Upper
101 100
103 64.5 51.0 76.4





#10

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

Concen: 23.453 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039901.D

Acq: 19 Aug 2020 11:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD02006

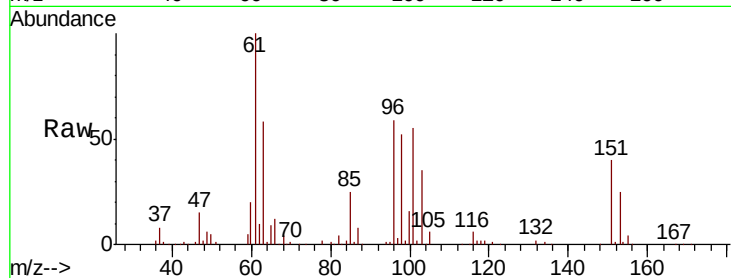
Tot Ion:101 Resp: 145012

Ion Ratio Lower Upper

101 100

85 45.6 34.5 51.7

151 70.7 54.4 81.6

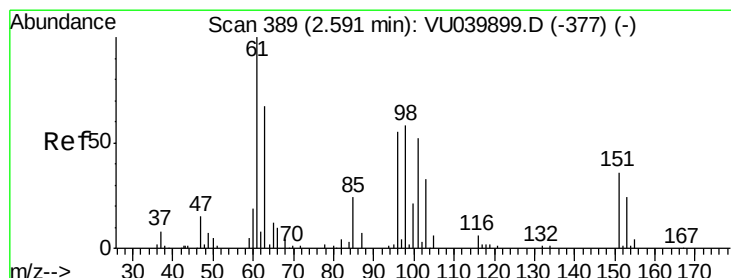
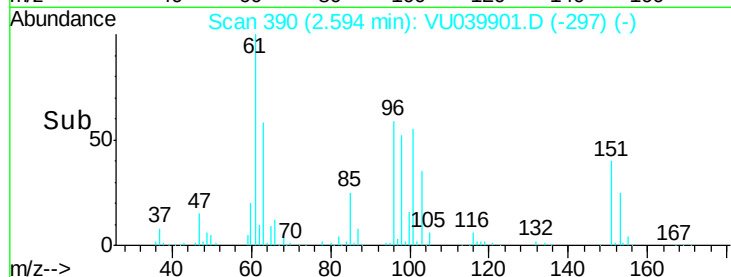


Abundance Ion 101.00 (100.70 to 101.70): VU039901.D (-297) (-)

Ion 85.00 (84.70 to 85.70): VU039901.D (-297) (-)

Ion 151.00 (150.70 to 151.70): VU039901.D (-297) (-)

Time--> 2.50 2.55 2.60 2.65



#12

1,1-Dichloroethene

Concen: 24.880 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU039901.D

Acq: 19 Aug 2020 11:07

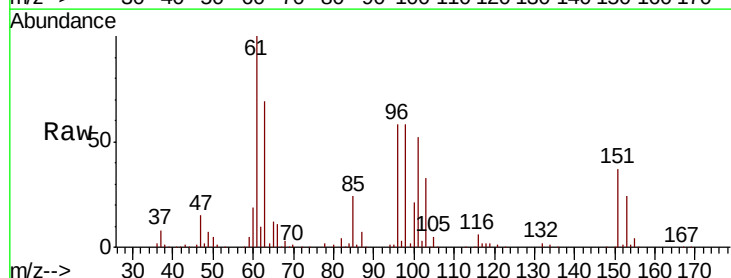
Tgt Ion: 96 Resp: 134560

Ion Ratio Lower Upper

96 100

61 173.5 126.8 235.4

63 119.0 88.6 164.6

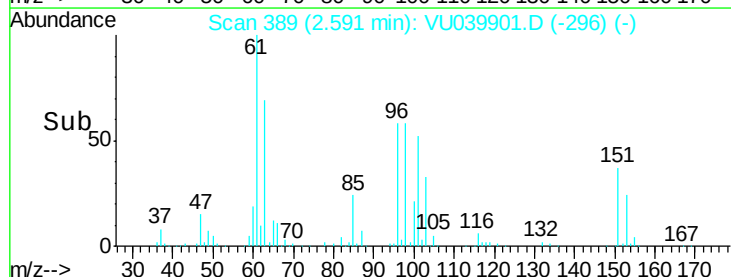


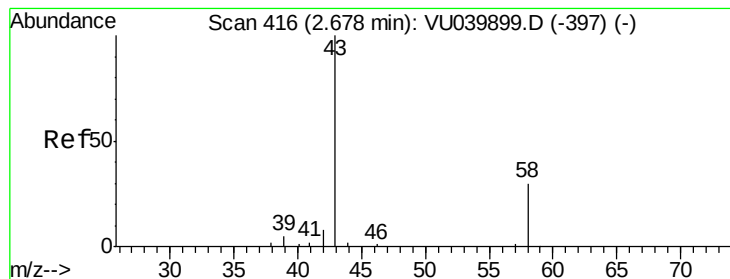
Abundance Ion 96.00 (95.70 to 96.70): VU039901.D (-296) (-)

Ion 61.05 (60.75 to 61.75): VU039901.D (-296) (-)

Ion 63.00 (62.70 to 63.70): VU039901.D (-296) (-)

Time--> 2.50 2.55 2.60 2.65





#13

Acetone

Concen: 238.541 ug/L

RT: 2.66 min Scan# 411

Delta R.T. -0.02 min

Lab File: VU039901.D

Acq: 19 Aug 2020 11:07

Instrument :

MSVOA_U

ClientSampleId :

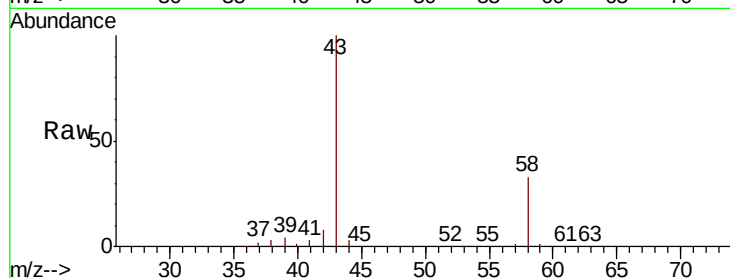
VSTD02006

Tot Ion: 43 Resp: 296324

Ion Ratio Lower Upper

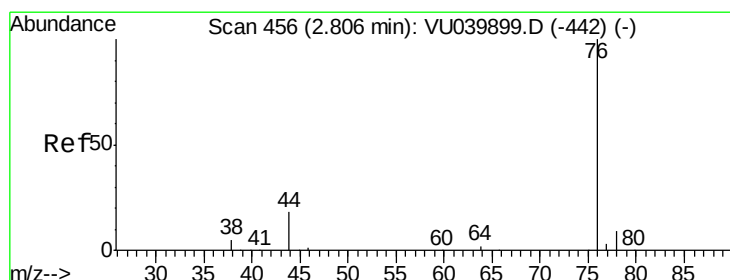
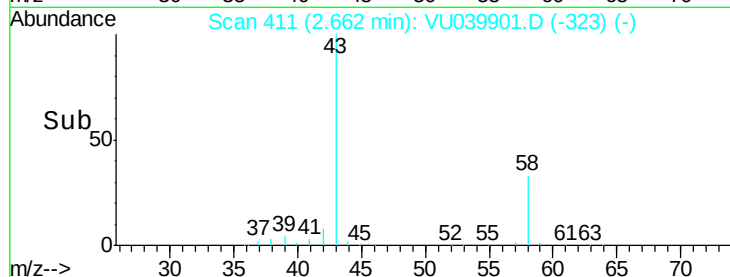
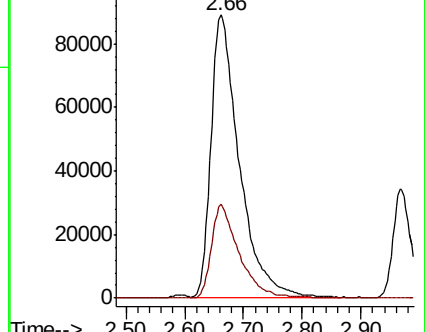
43 100

58 31.6 0.0 19.0#



Abundance Ion 43.05 (42.75 to 43.75): VU039899.D (-397) (-)

Ion 58.05 (57.75 to 58.75): VU039899.D (-397) (-)



#14

Carbon disulfide

Concen: 26.438 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU039901.D

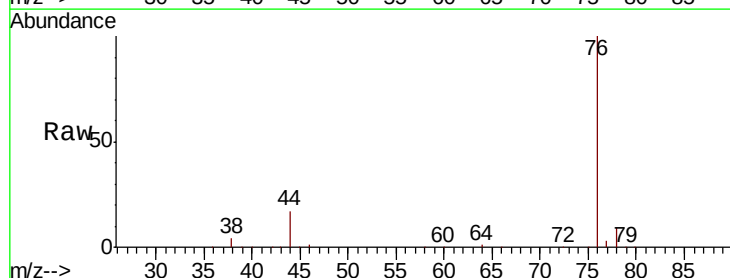
Acq: 19 Aug 2020 11:07

Tgt Ion: 76 Resp: 451866

Ion Ratio Lower Upper

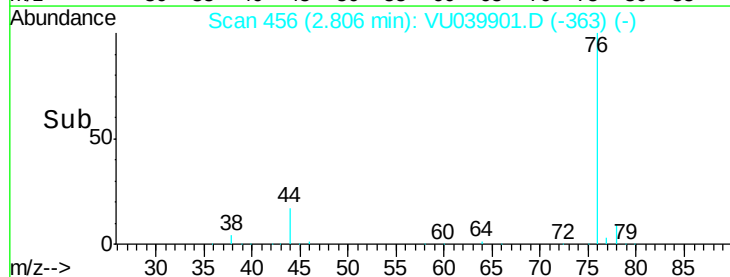
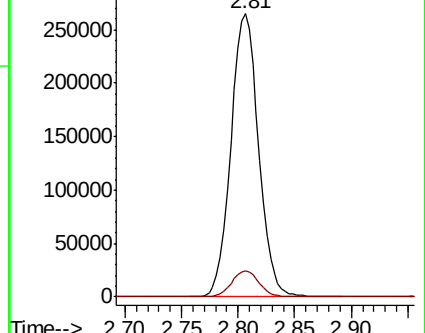
76 100

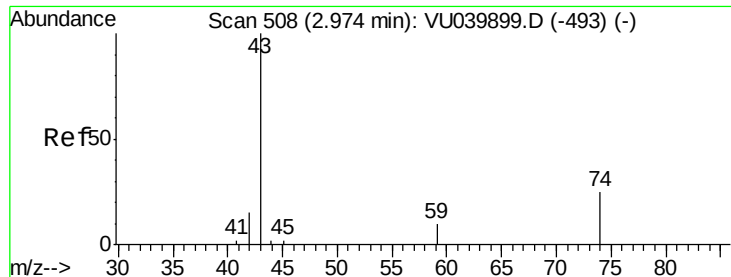
78 9.4 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VU039899.D (-442) (-)

Ion 78.00 (77.70 to 78.70): VU039899.D (-442) (-)

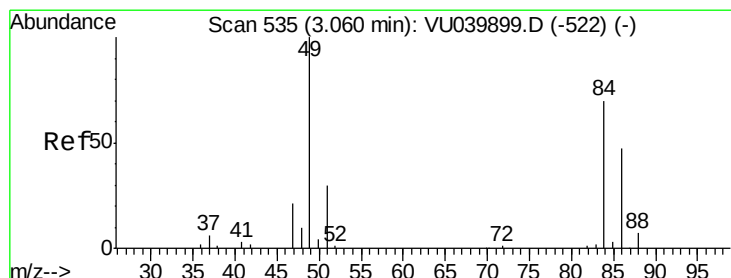
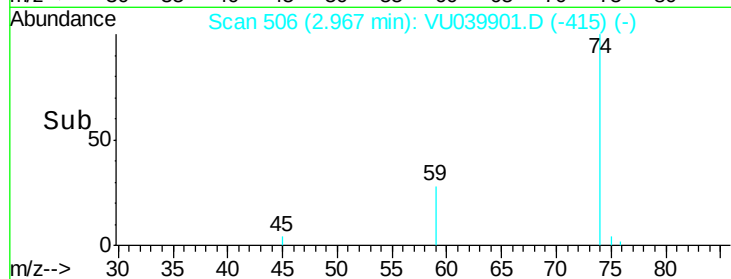
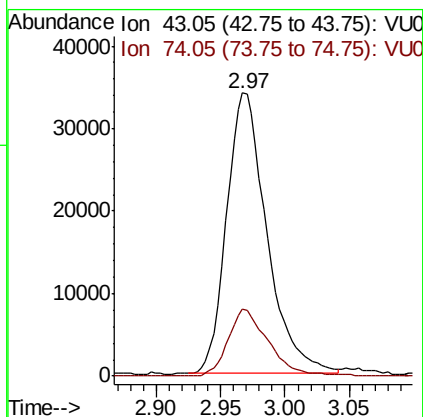
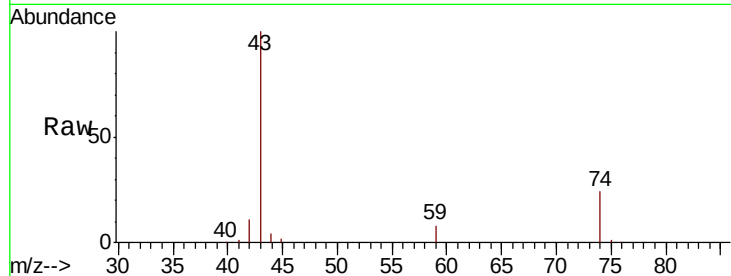




#15
Methvl Acetate
Concen: 24.090 ug/L
RT: 2.97 min Scan# 506
Delta R.T. -0.01 min
Lab File: VU039901.D
Acq: 19 Aug 2020 11:07

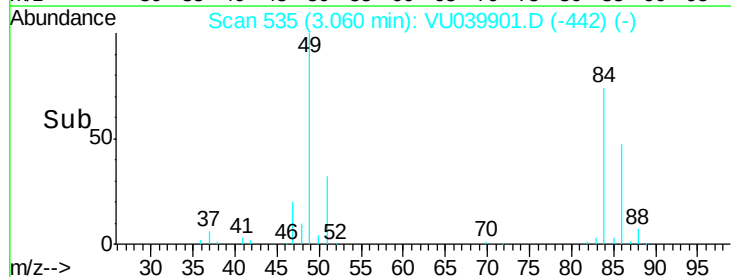
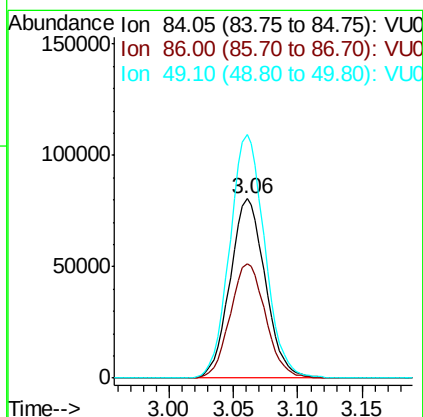
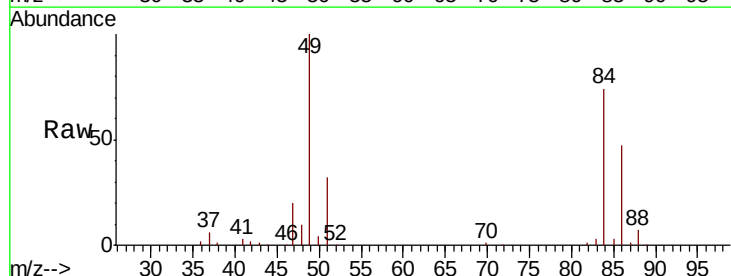
Instrument :
MSVOA_U
ClientSampleId :
VSTD02006

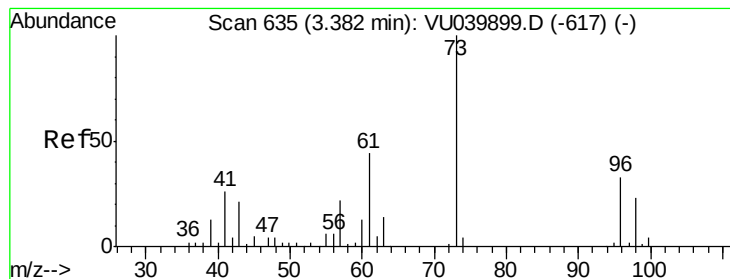
Tot Ion: 43 Resp: 73974
Ion Ratio Lower Upper
43 100
74 23.9 16.3 24.5



#16
Methylene chloride
Concen: 18.341 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU039901.D
Acq: 19 Aug 2020 11:07

Tgt Ion: 84 Resp: 153220
Ion Ratio Lower Upper
84 100
86 64.0 47.2 87.6
49 135.9 99.8 185.4



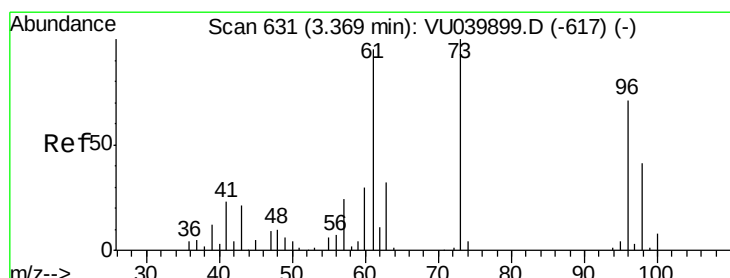
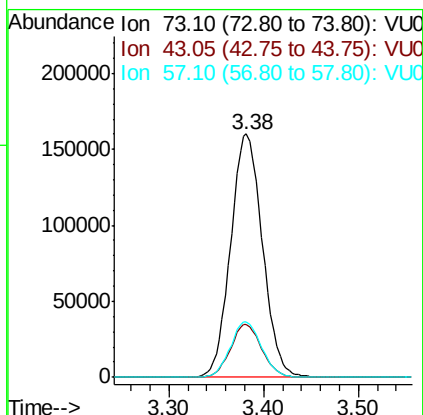
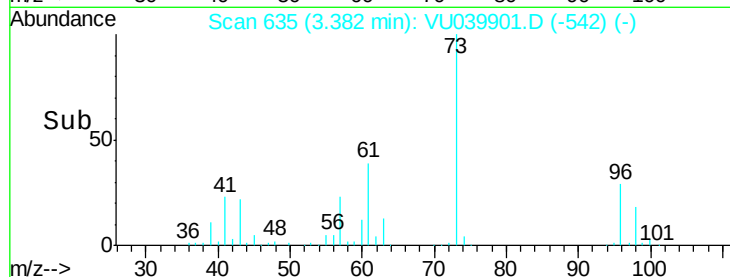
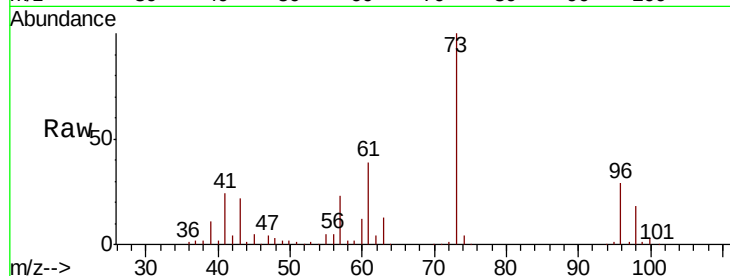


#17

Methyl tert-butyl Ether
 Concen: 26.461 ug/L
 RT: 3.38 min Scan# 635
 Delta R.T. 0.00 min
 Lab File: VU039901.D
 Acq: 19 Aug 2020 11:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

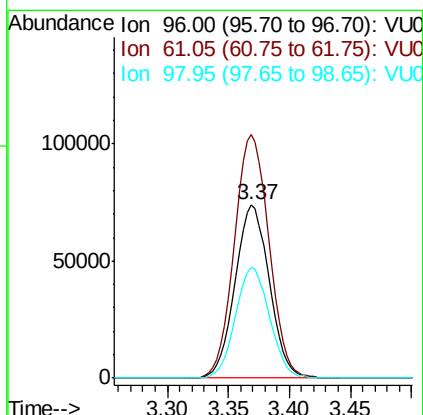
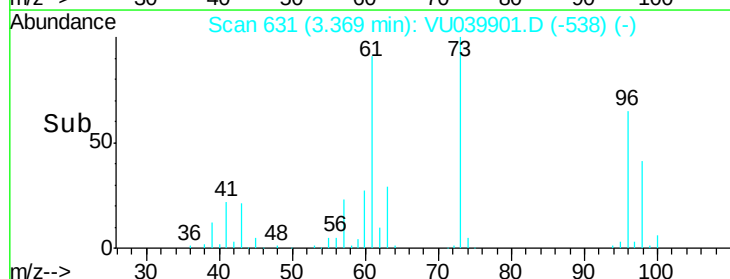
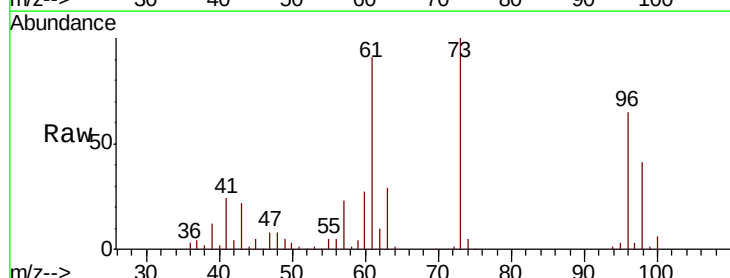
Tot Ion: 73 Resp: 373809
 Ion Ratio Lower Upper
 73 100
 43 21.4 16.6 24.8
 57 22.6 18.2 27.4

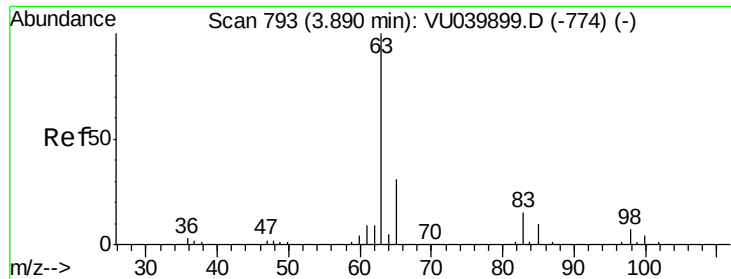


#18

trans-1,2-Dichloroethene
 Concen: 24.272 ug/L
 RT: 3.37 min Scan# 631
 Delta R.T. 0.00 min
 Lab File: VU039901.D
 Acq: 19 Aug 2020 11:07

Tgt Ion: 96 Resp: 143631
 Ion Ratio Lower Upper
 96 100
 61 140.3 93.7 173.9
 98 64.0 40.7 75.5

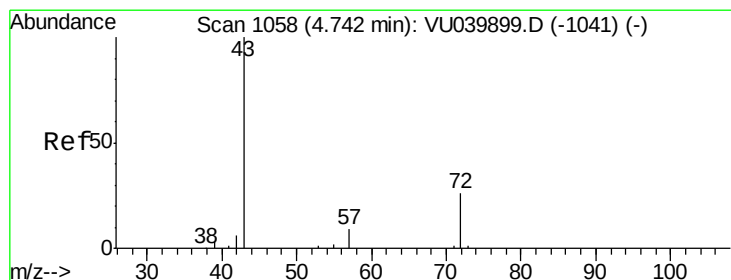
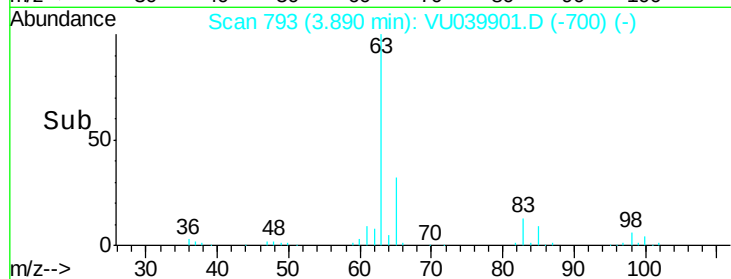
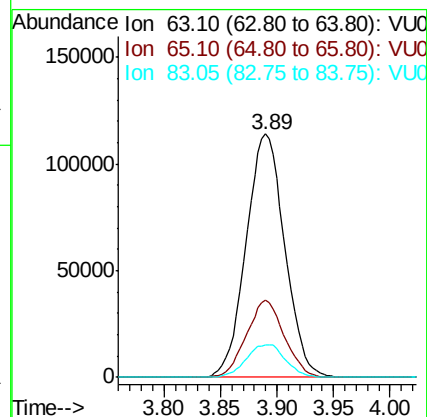
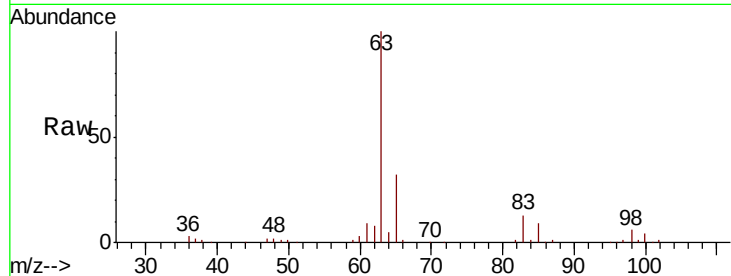




#19
 1,1-Dichloroethane
 Concen: 24.730 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU039901.D
 Acq: 19 Aug 2020 11:07

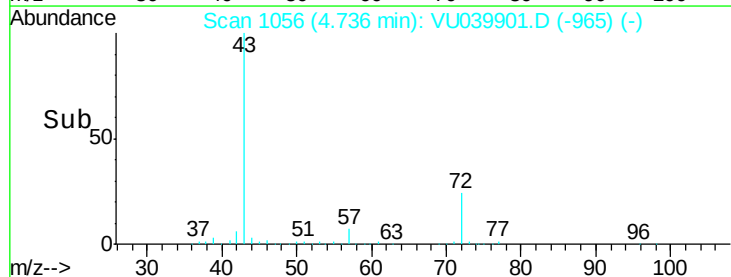
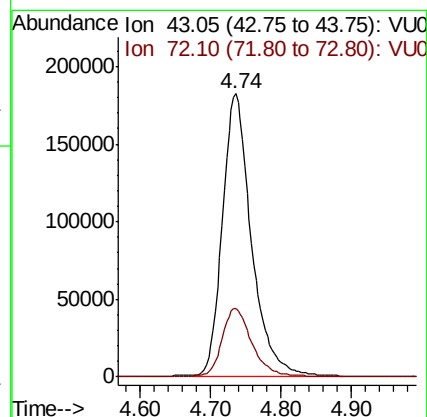
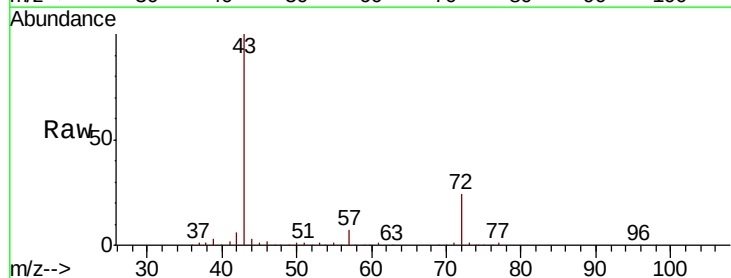
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

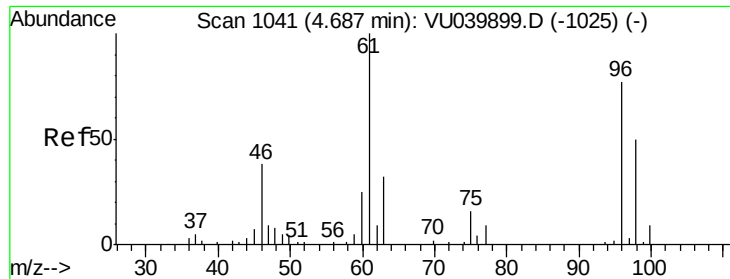
Tot Ion: 63 Resp: 270602
 Ion Ratio Lower Upper
 63 100
 65 31.6 21.6 40.0
 83 13.2 10.3 19.1



#21
 2-Butanone
 Concen: 261.948 ug/L
 RT: 4.74 min Scan# 1056
 Delta R.T. -0.01 min
 Lab File: VU039901.D
 Acq: 19 Aug 2020 11:07

Tgt Ion: 43 Resp: 518863
 Ion Ratio Lower Upper
 43 100
 72 25.6 12.7 38.0





#22

cis-1,2-Dichloroethene

Concen: 24.762 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU039901.D

Acq: 19 Aug 2020 11:07

Instrument :
MSVOA_U
ClientSampled :
VSTD02006

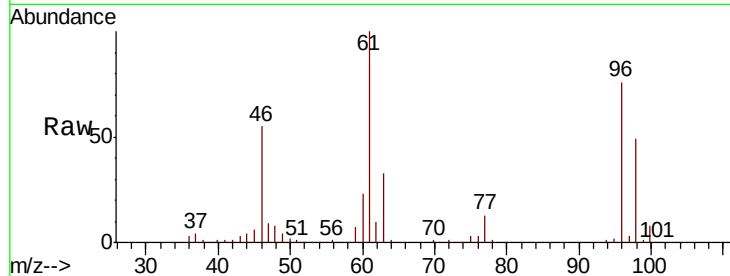
Tot Ion: 96 Resp: 156155

Ion Ratio Lower Upper

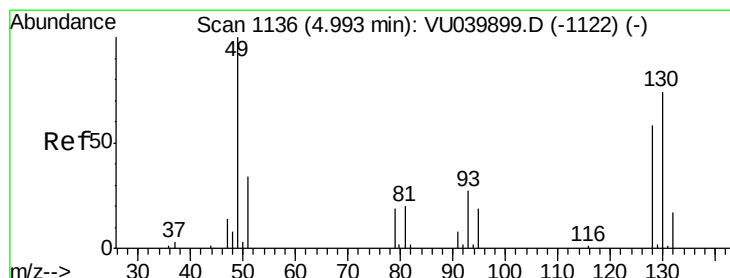
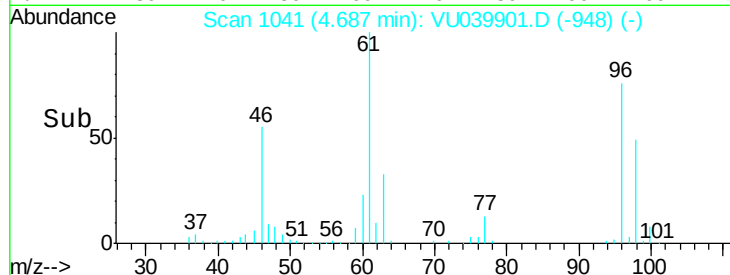
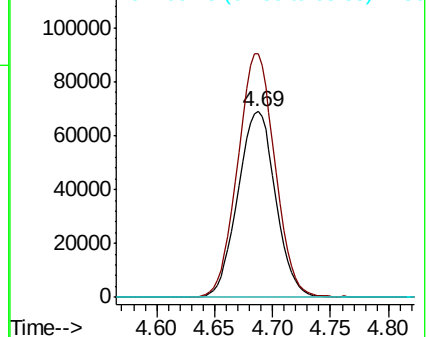
96 100

61 131.0 90.9 168.9

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 24.222 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU039901.D

Acq: 19 Aug 2020 11:07

Tgt Ion: 128 Resp: 71836

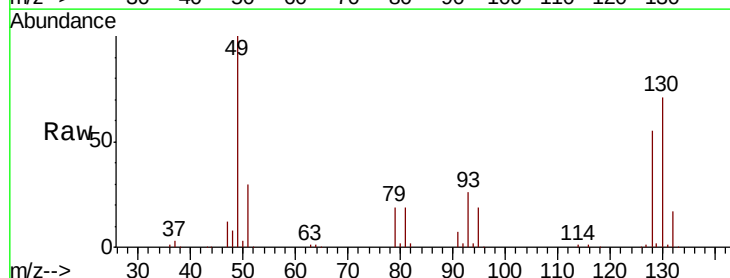
Ion Ratio Lower Upper

128 100

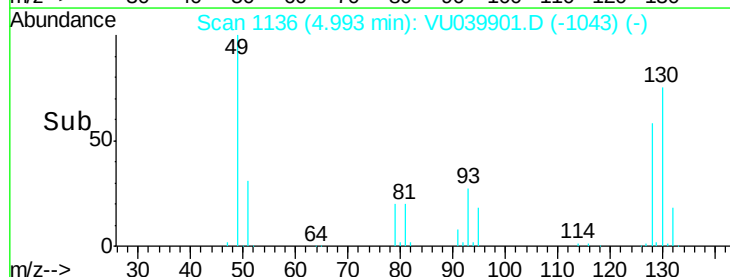
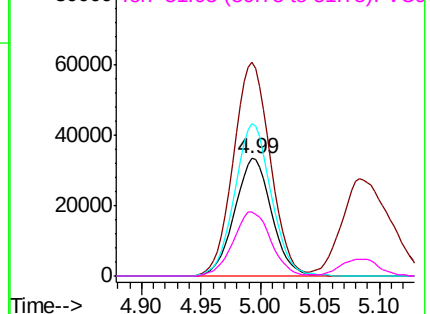
49 181.8 121.2 225.2

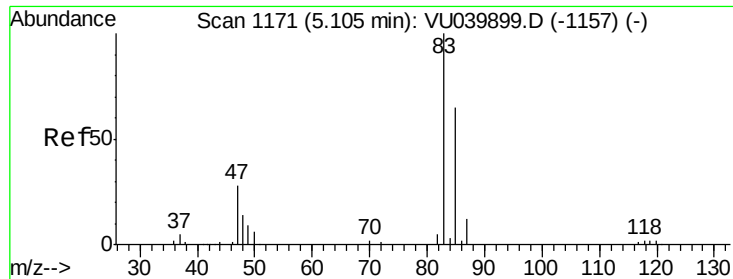
130 129.4 90.2 167.6

51 54.8 47.2 70.8



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VU0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VU0

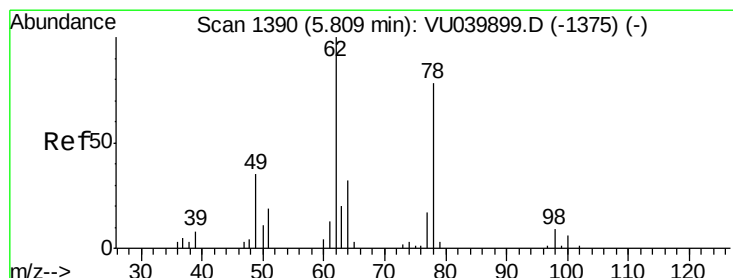
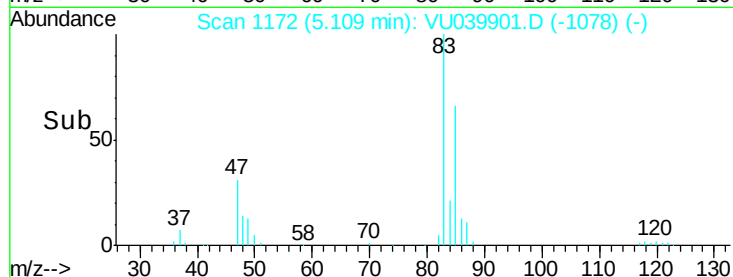
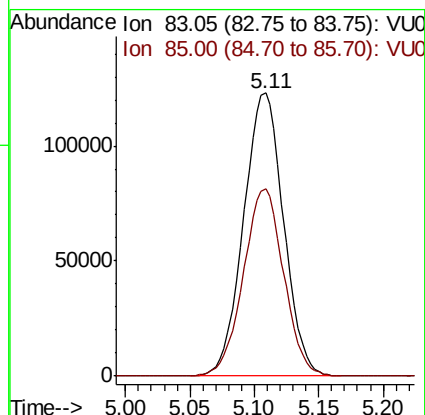
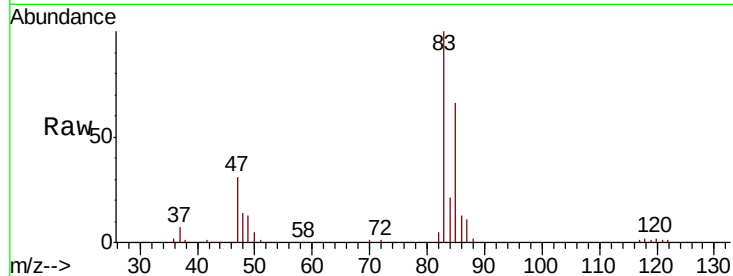




#25
Chloroform
Concen: 23.201 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU039901.D
Acq: 19 Aug 2020 11:07

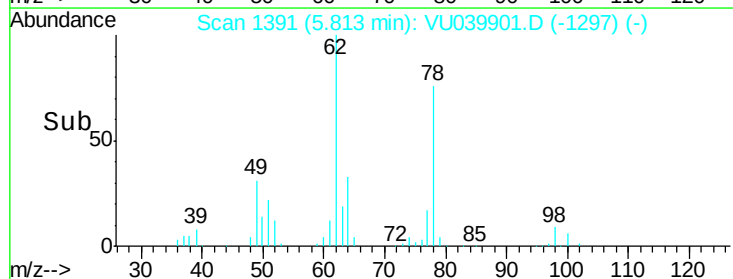
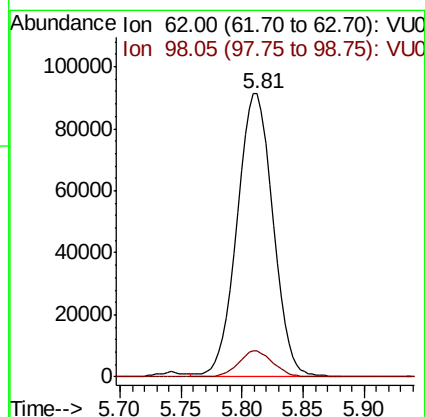
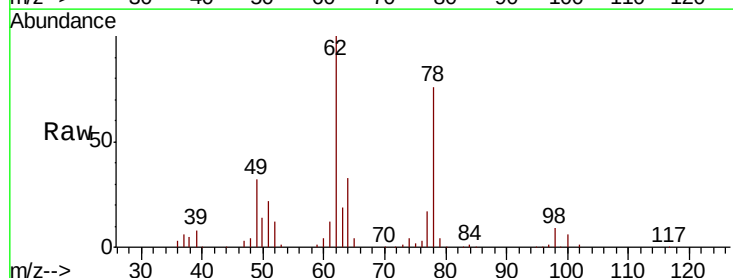
Instrument :
MSVOA_U
ClientSampleId :
VSTD02006

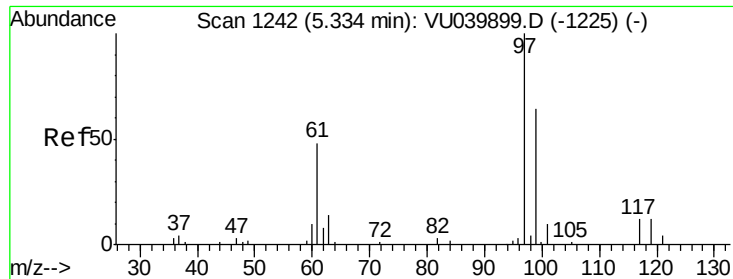
Tot Ion: 83 Resp: 266082
Ion Ratio Lower Upper
83 100
85 66.4 46.4 86.2



#27
1,2-Dichloroethane
Concen: 23.248 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VU039901.D
Acq: 19 Aug 2020 11:07

Tgt Ion: 62 Resp: 184857
Ion Ratio Lower Upper
62 100
98 9.1 7.4 11.2

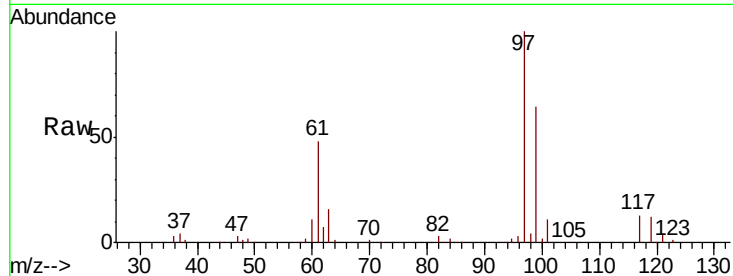




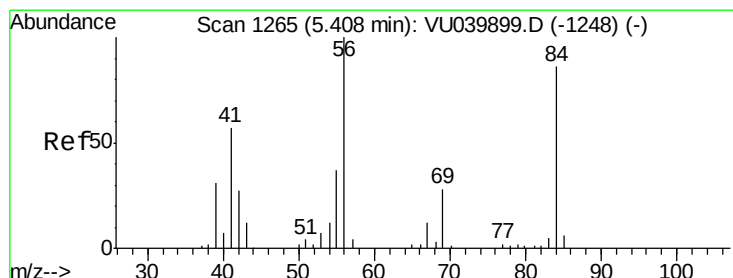
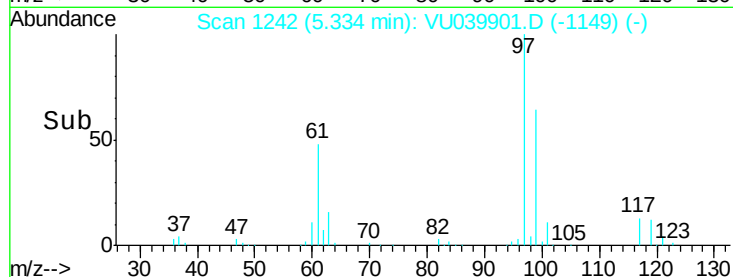
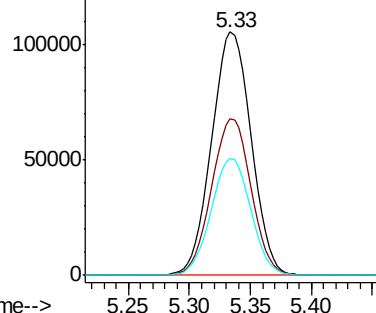
#29
1,1,1-Trichloroethane
Concen: 25.286 ug/L
RT: 5.33 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VU039901.D
Acq: 19 Aug 2020 11:07

Instrument :
MSVOA_U
ClientSampled :
VSTD02006

Tot Ion: 97 Resp: 236641
Ion Ratio Lower Upper
97 100
99 64.3 51.4 77.2
61 48.2 39.1 58.7

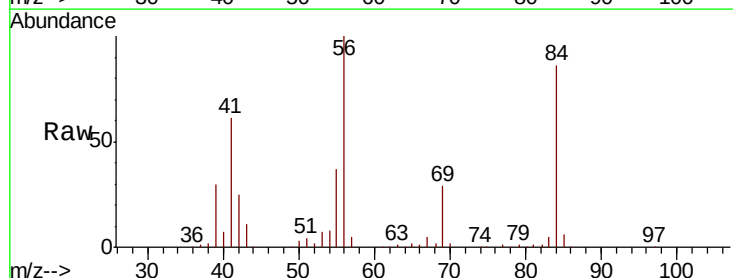


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

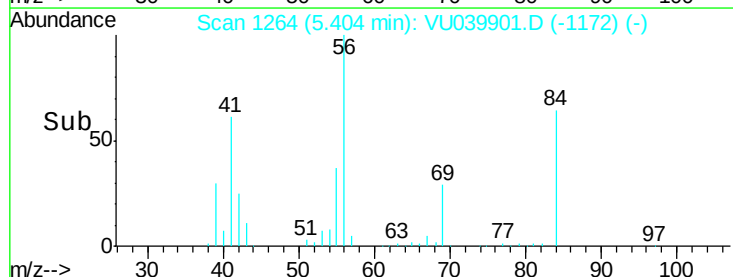
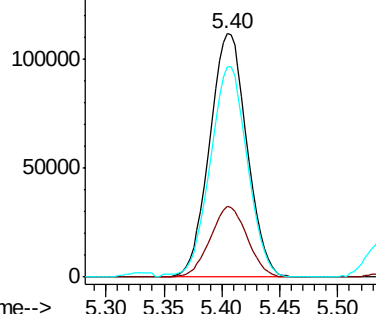


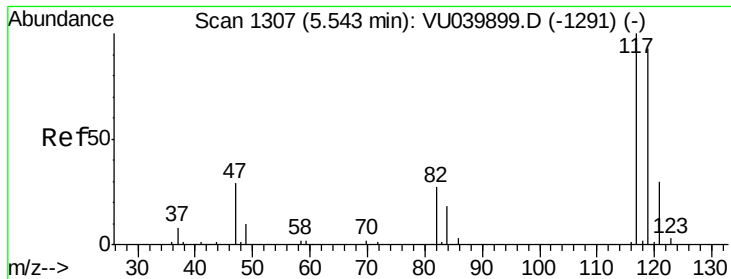
#30
Cyclohexane
Concen: 27.363 ug/L
RT: 5.40 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VU039901.D
Acq: 19 Aug 2020 11:07

Tgt Ion: 56 Resp: 250818
Ion Ratio Lower Upper
56 100
69 28.7 23.1 34.7
84 86.3 69.0 103.6



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





#31

Carbon tetrachloride

Concen: 25.110 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU039901.D

Acq: 19 Aug 2020 11:07

Instrument :

MSVOA_U

ClientSampleId :

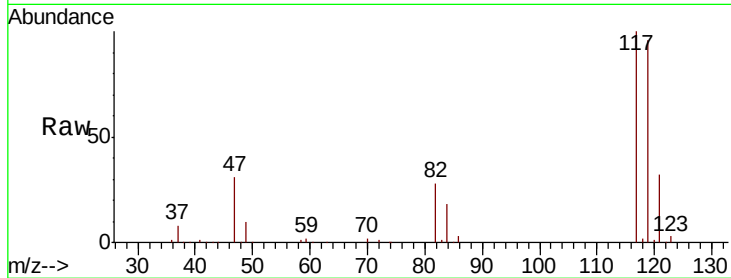
VSTD02006

Tot Ion:117 Resp: 213775

Ion Ratio Lower Upper

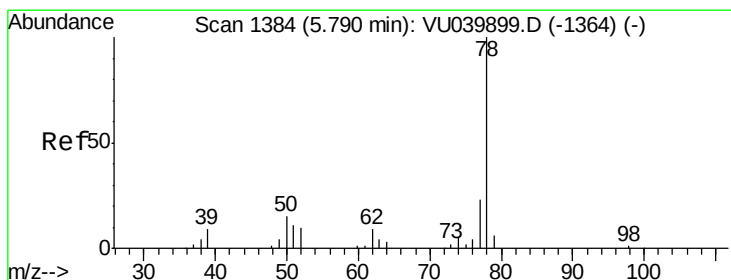
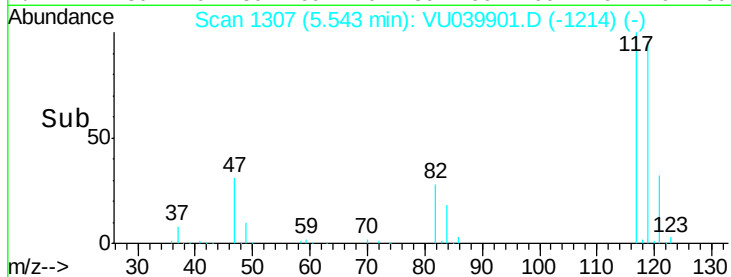
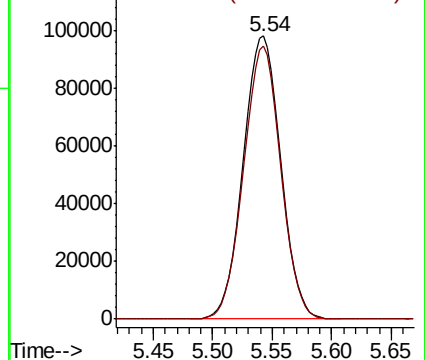
117 100

119 95.6 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: 24.732 ug/L

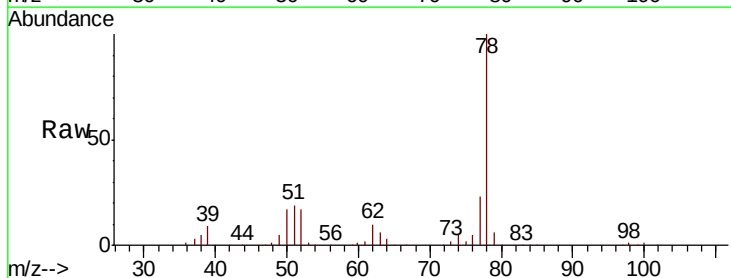
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

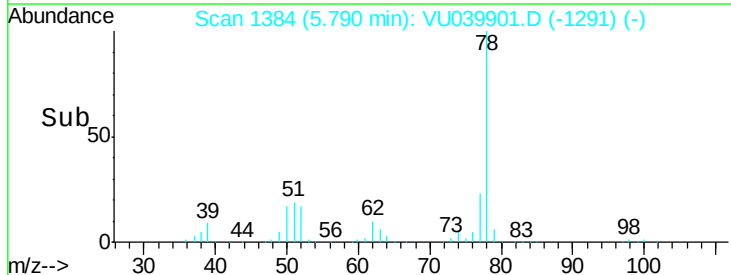
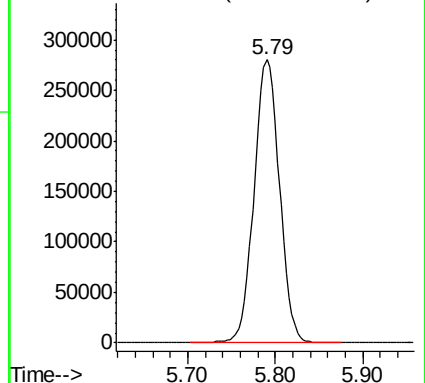
Lab File: VU039901.D

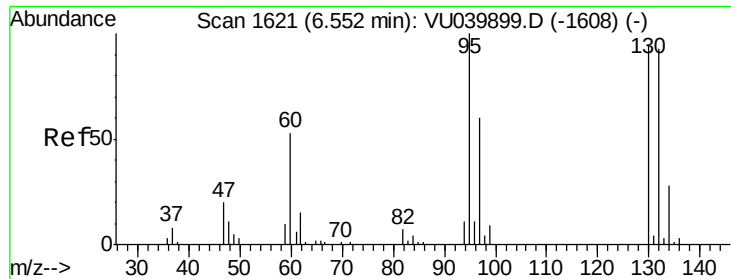
Acq: 19 Aug 2020 11:07

Tgt Ion: 78 Resp: 568056



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 25.034 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU039901.D

Acq: 19 Aug 2020 11:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD02006

Tot Ion: 95 Resp: 148767

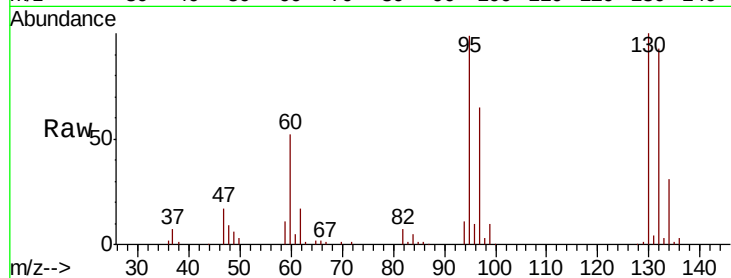
Ion Ratio Lower Upper

95 100

97 65.3 42.0 78.0

132 94.1 65.0 120.8

130 100.8 65.5 121.7

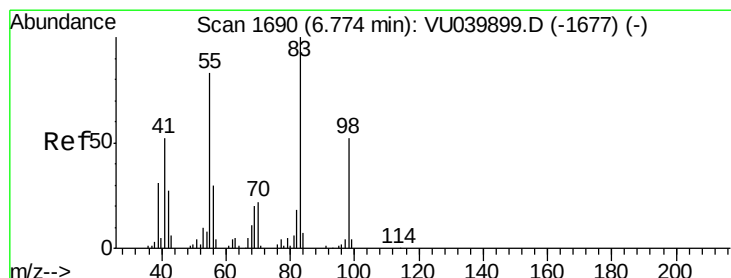
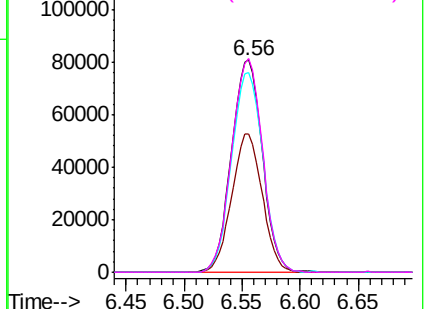
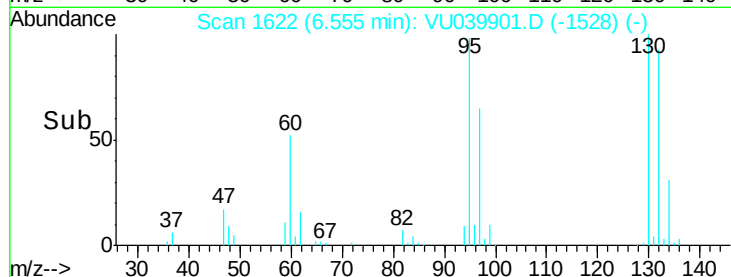


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 26.643 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VU039901.D

Acq: 19 Aug 2020 11:07

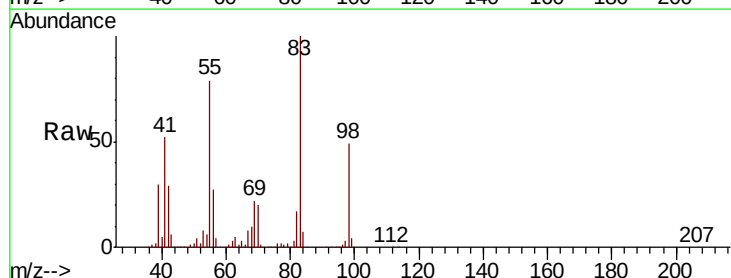
Tgt Ion: 83 Resp: 250864

Ion Ratio Lower Upper

83 100

55 78.3 64.1 96.1

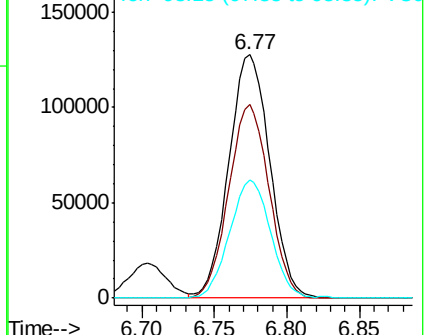
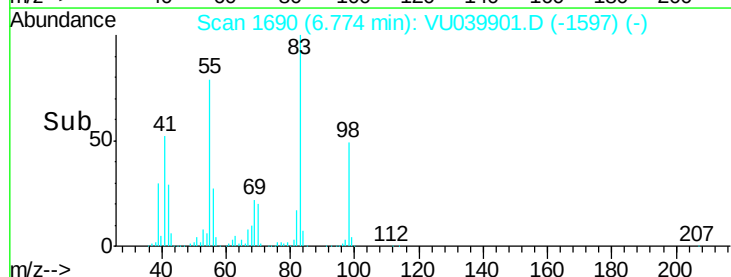
98 48.2 39.4 59.0

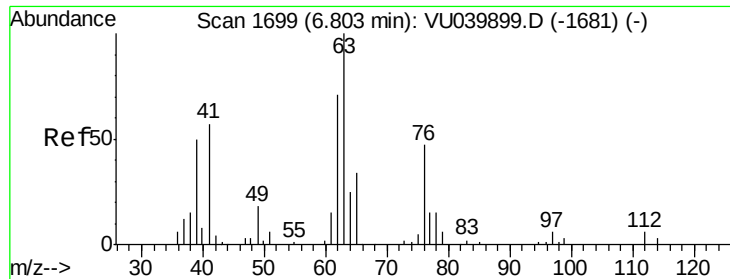


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

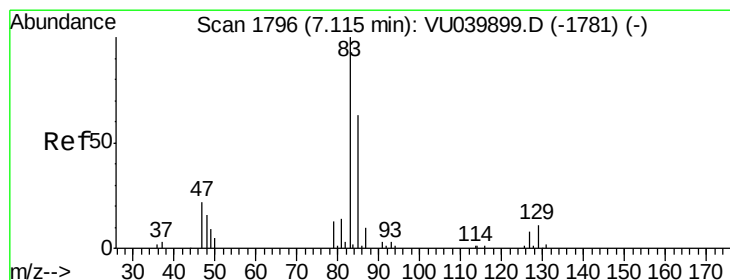
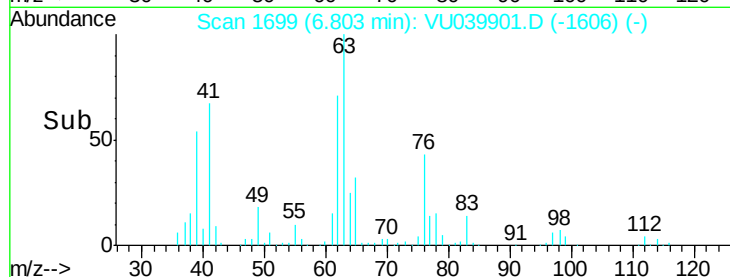
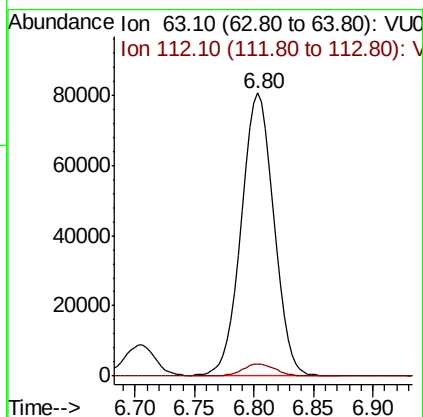
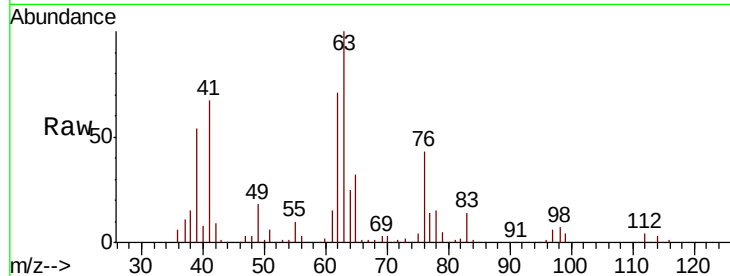




#37
 1,2-Dichloropropane
 Concen: 25.088 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU039901.D
 Acq: 19 Aug 2020 11:07

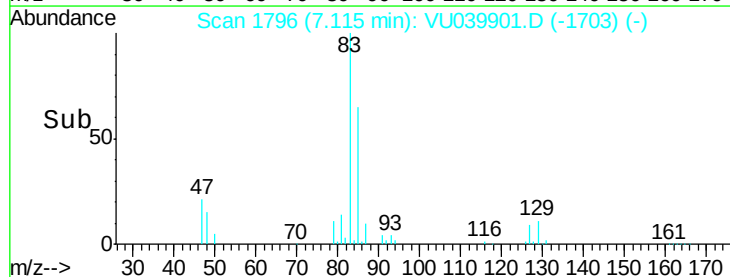
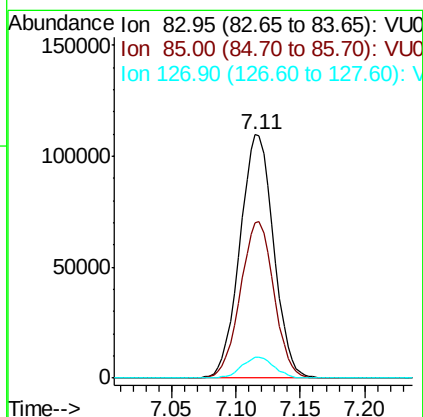
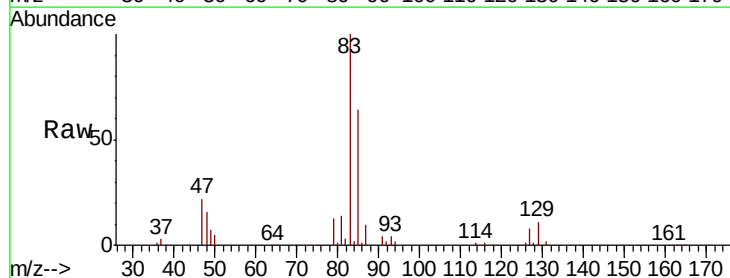
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

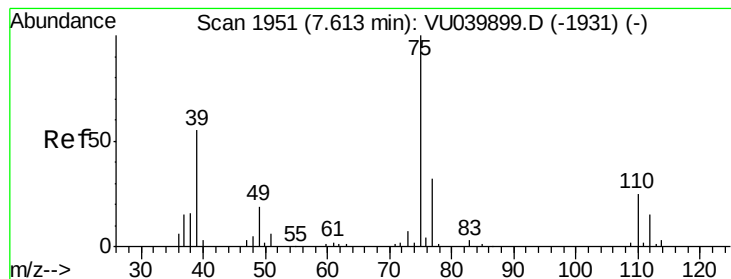
Tot Ion: 63 Resp: 153314
 Ion Ratio Lower Upper
 63 100
 112 4.4 4.1 6.1



#38
 Bromodichloromethane
 Concen: 25.105 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VU039901.D
 Acq: 19 Aug 2020 11:07

Tgt Ion: 83 Resp: 199805
 Ion Ratio Lower Upper
 83 100
 85 63.9 44.3 82.3
 127 8.4 6.7 10.1



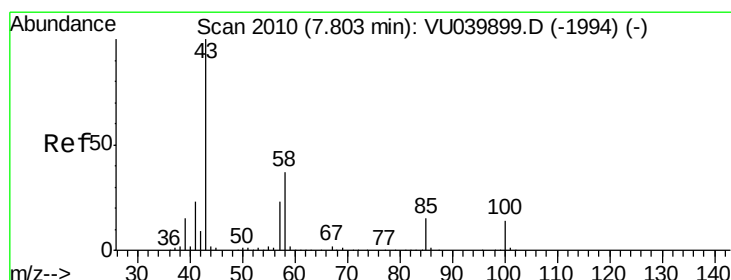
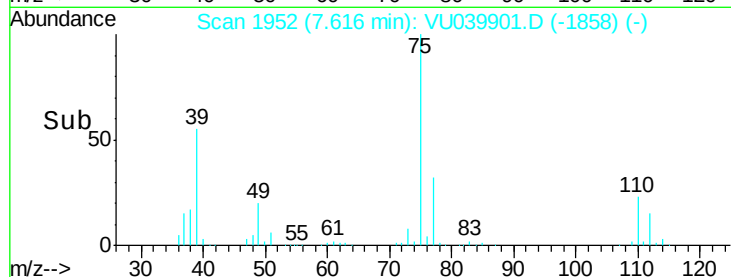
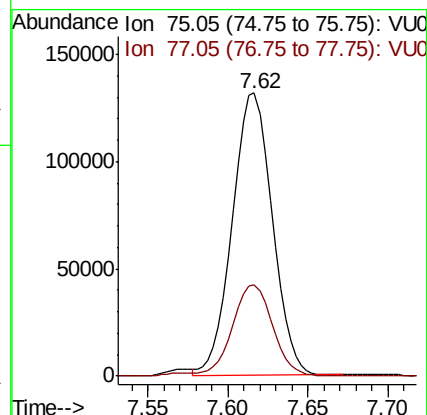
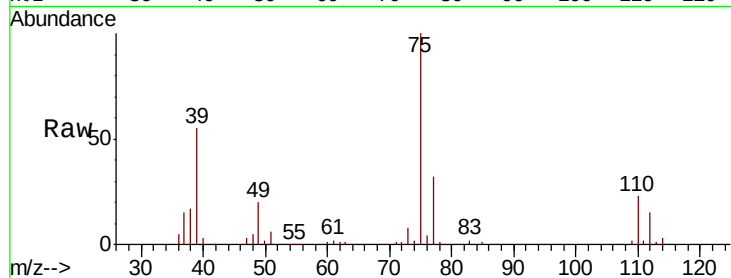


#39

cis-1,3-Dichloropropene
 Concen: 26.743 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU039901.D
 Acq: 19 Aug 2020 11:07

Instrument :
 MSVOA_U
 ClientSampled :
 VSTD02006

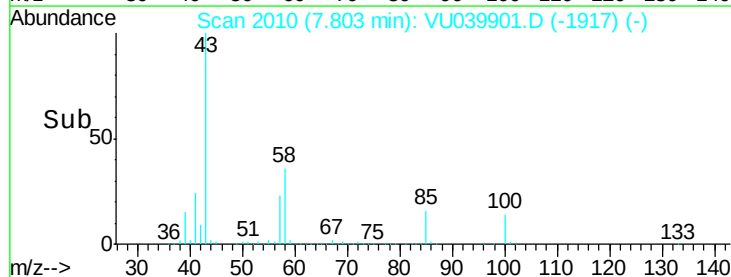
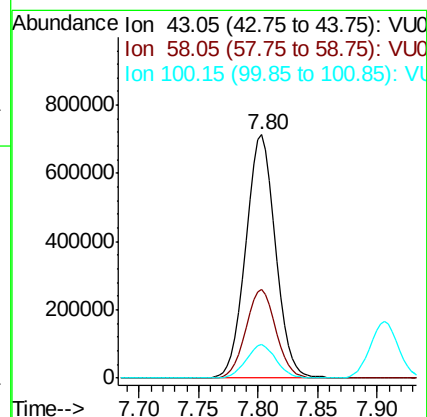
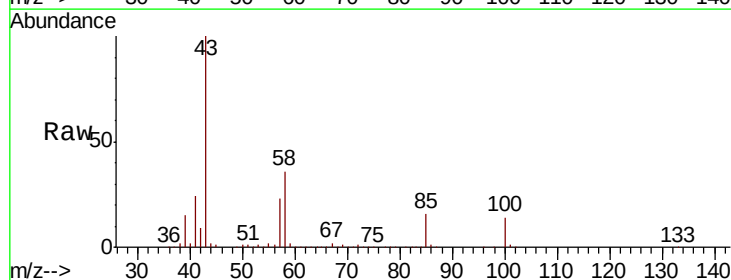
Tot Ion: 75 Resp: 225109
 Ion Ratio Lower Upper
 75 100
 77 32.2 22.6 42.0

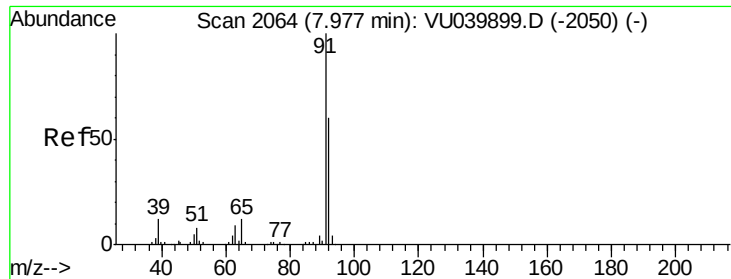


#40

4-Methyl-2-pentanone
 Concen: 268.378 ug/L
 RT: 7.80 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: VU039901.D
 Acq: 19 Aug 2020 11:07

Tgt Ion: 43 Resp: 1235921
 Ion Ratio Lower Upper
 43 100
 58 36.8 29.7 44.5
 100 13.8 11.2 16.8





#42

Toluene

Concen: 24.521 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU039901.D

Acq: 19 Aug 2020 11:07

Instrument :

MSVOA_U

ClientSampleId :

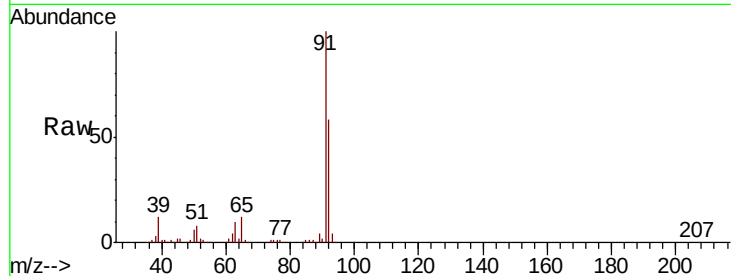
VSTD02006

Tot Ion: 91 Resp: 591838

Ion Ratio Lower Upper

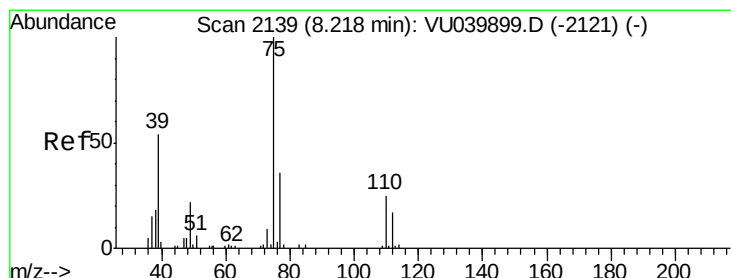
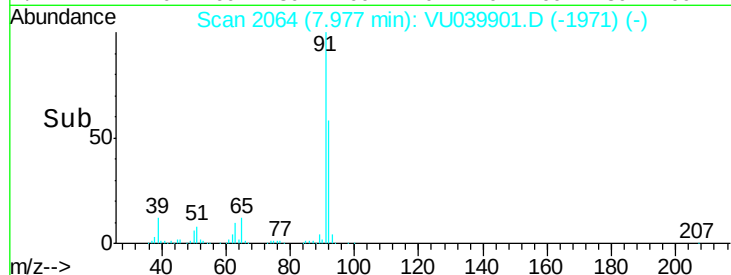
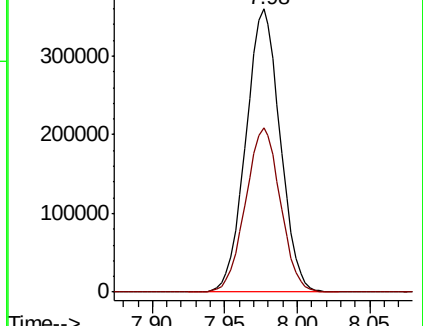
91 100

92 58.0 42.3 78.5



Abundance Ion 91.15 (90.85 to 91.85): VU039901.D (-1971) (-)

Ion 92.15 (91.85 to 92.85): VU039901.D (-1971) (-)



#44

trans-1,3-Dichloropropene

Concen: 28.312 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU039901.D

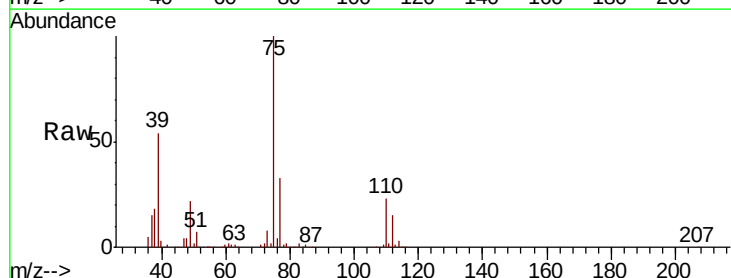
Acq: 19 Aug 2020 11:07

Tgt Ion: 75 Resp: 211987

Ion Ratio Lower Upper

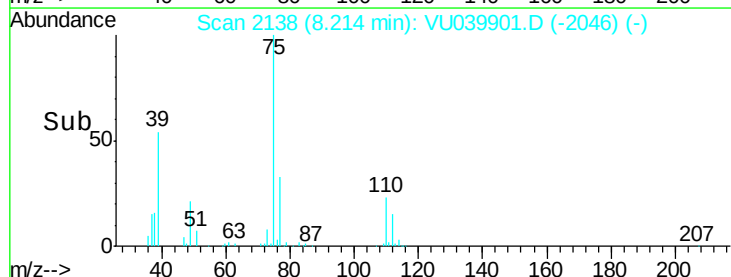
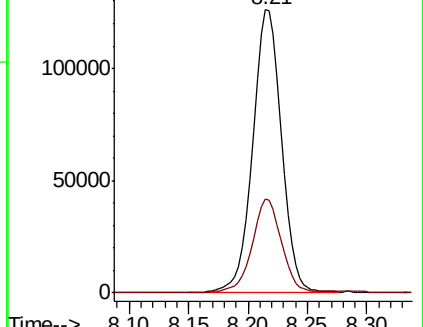
75 100

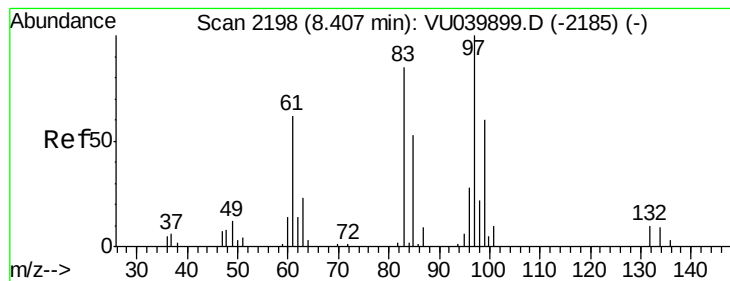
77 33.2 25.3 46.9



Abundance Ion 75.05 (74.75 to 75.75): VU039901.D (-2046) (-)

Ion 77.05 (76.75 to 77.75): VU039901.D (-2046) (-)





#45

1,1,2-Trichloroethane

Concen: 24.107 ug/L

RT: 8.41 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VU039901.D

Acq: 19 Aug 2020 11:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD02006

Tot Ion: 97 Resp: 110076

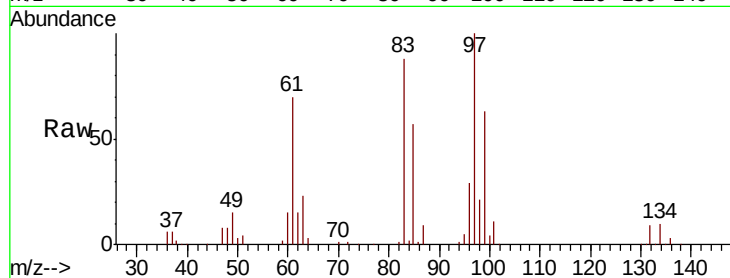
Ion Ratio Lower Upper

97 100

99 62.8 42.1 78.3

83 88.3 59.3 110.1

85 57.4 37.2 69.2

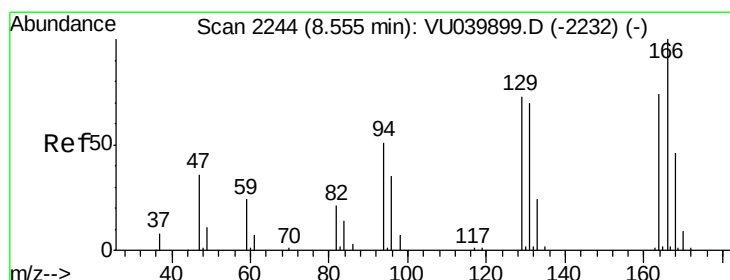
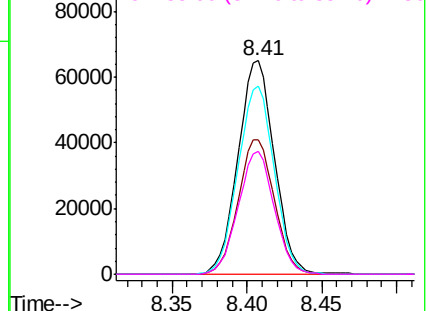
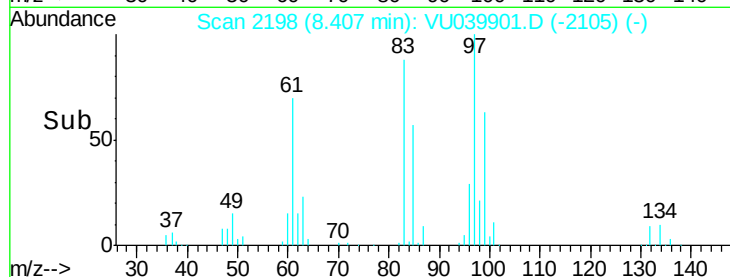


Abundance Ion 96.95 (96.65 to 97.65): VU039901.D (-2105) (-)

Ion 99.05 (98.75 to 99.75): VU039901.D (-2105) (-)

Ion 82.95 (82.65 to 83.65): VU039901.D (-2105) (-)

Ion 85.00 (84.70 to 85.70): VU039901.D (-2105) (-)



#47

Tetrachloroethene

Concen: 23.791 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU039901.D

Acq: 19 Aug 2020 11:07

Tgt Ion: 164 Resp: 114838

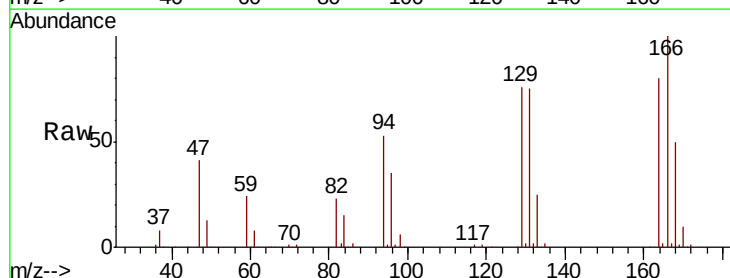
Ion Ratio Lower Upper

164 100

129 95.7 69.1 128.3

131 94.0 66.0 122.6

166 125.4 94.0 174.6

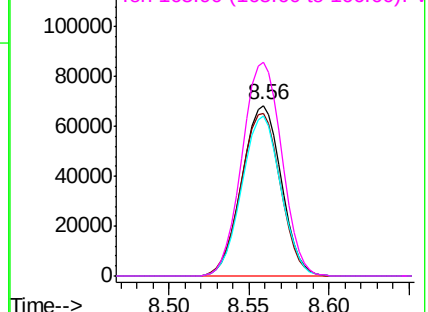
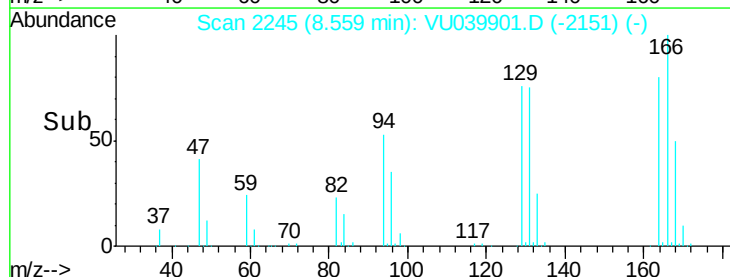


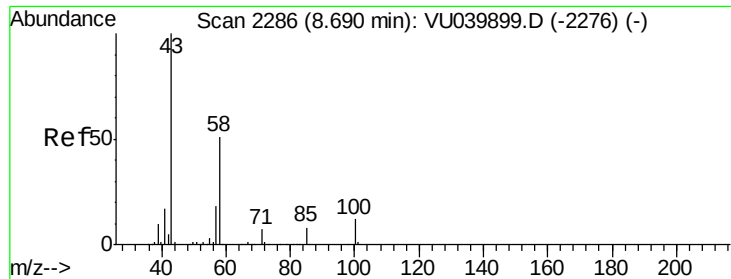
Abundance Ion 163.90 (163.60 to 164.60): VU039901.D (-2151) (-)

Ion 128.95 (128.65 to 129.65): VU039901.D (-2151) (-)

Ion 130.95 (130.65 to 131.65): VU039901.D (-2151) (-)

Ion 165.90 (165.60 to 166.60): VU039901.D (-2151) (-)

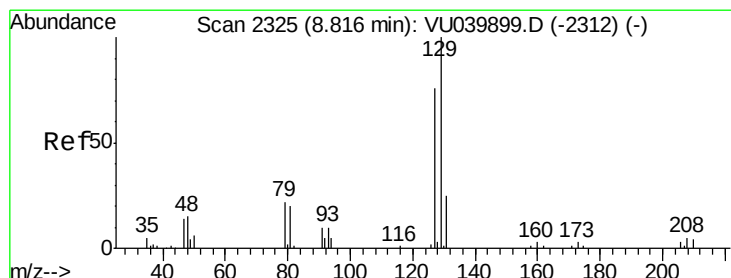
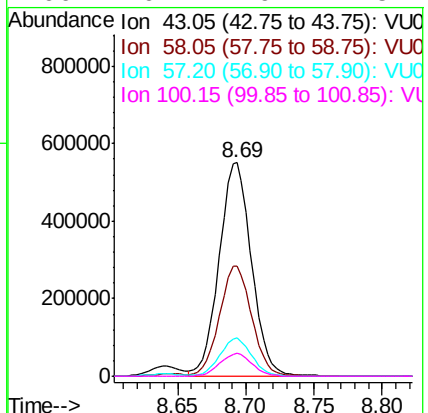
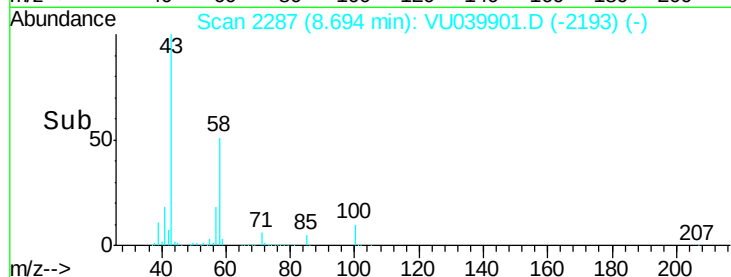
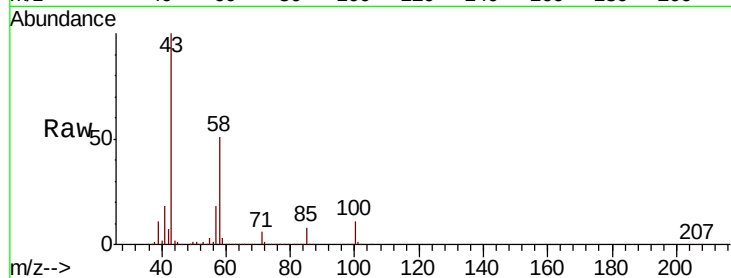




#48
2-Hexanone
Concen: 272.150 ug/L
RT: 8.69 min Scan# 2287
Delta R.T. 0.00 min
Lab File: VU039901.D
Acq: 19 Aug 2020 11:07

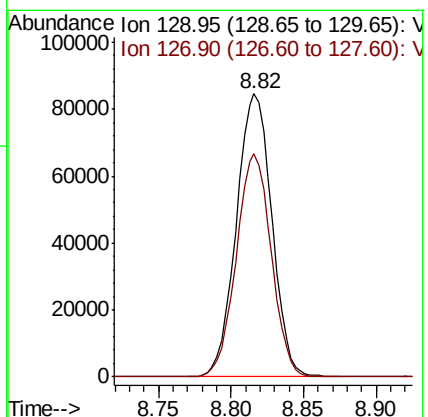
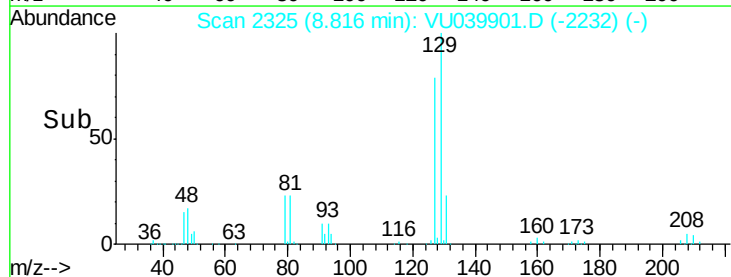
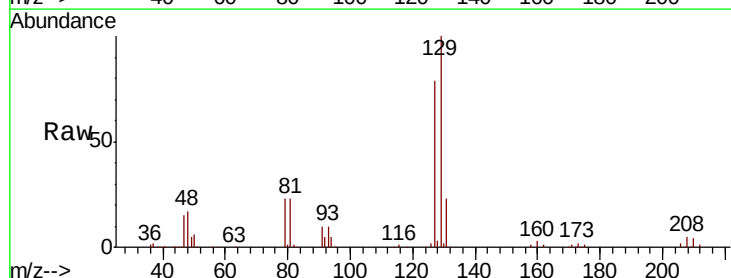
Instrument :
MSVOA_U
ClientSampleId :
VSTD02006

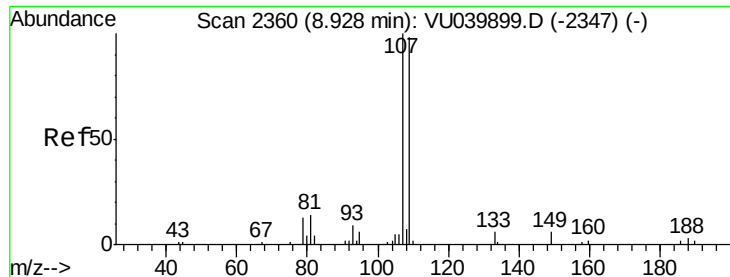
Tot Ion: 43 Resp: 903193
Ion Ratio Lower Upper
43 100
58 51.9 41.3 61.9
57 17.7 14.1 21.1
100 10.7 9.1 13.7



#49
Dibromochloromethane
Concen: 25.742 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU039901.D
Acq: 19 Aug 2020 11:07

Tgt Ion: 129 Resp: 143757
Ion Ratio Lower Upper
129 100
127 78.7 53.1 98.7

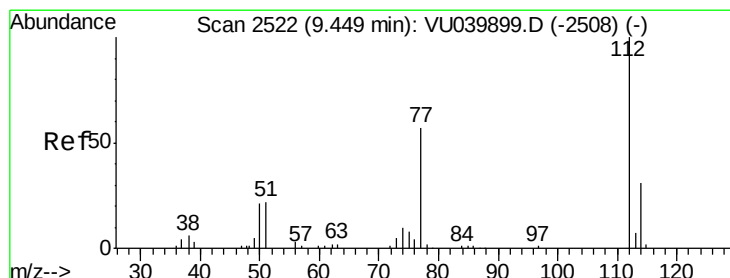
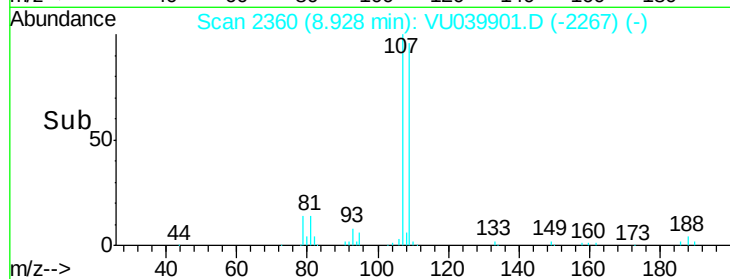
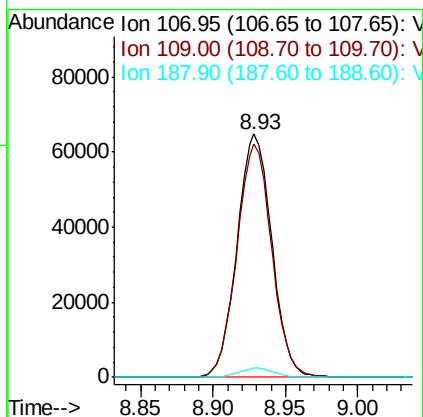
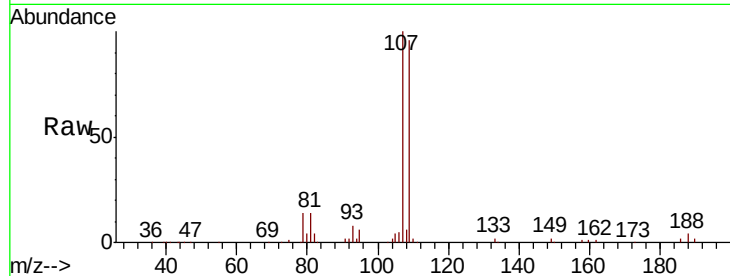




#50
1,2-Dibromoethane
Concen: 24.337 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. 0.00 min
Lab File: VU039901.D
Acq: 19 Aug 2020 11:07

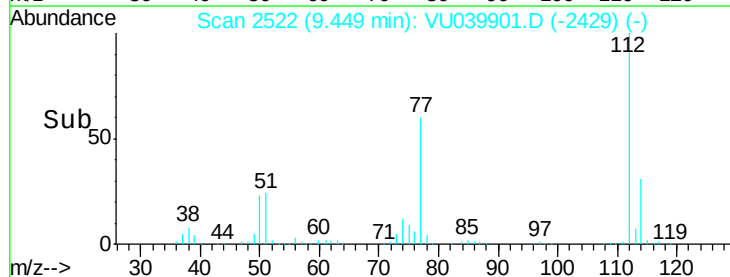
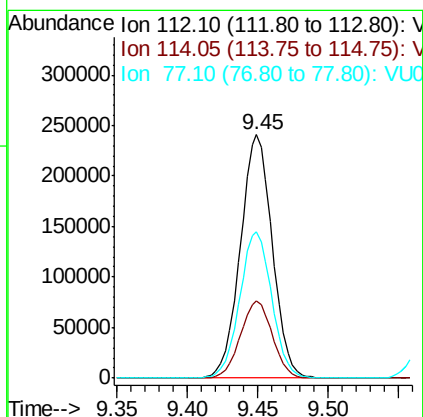
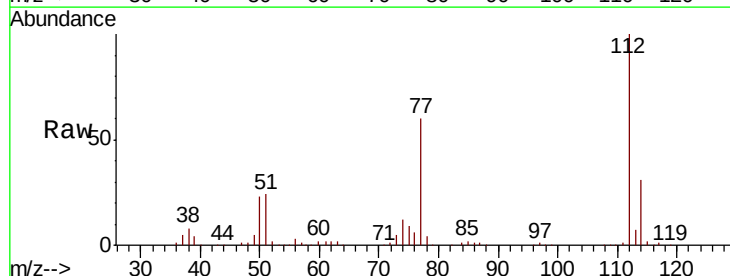
Instrument :
MSVOA_U
ClientSampleId :
VSTD02006

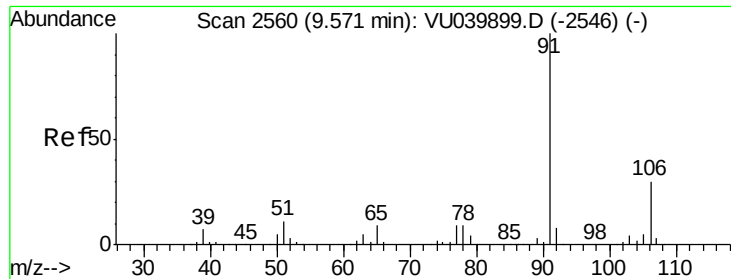
Tot Ion:107 Resp: 108270
Ion Ratio Lower Upper
107 100
109 95.8 68.3 126.9
188 3.8 2.2 3.4#



#51
Chlorobenzene
Concen: 23.864 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU039901.D
Acq: 19 Aug 2020 11:07

Tgt Ion:112 Resp: 382531
Ion Ratio Lower Upper
112 100
114 31.5 21.8 40.4
77 60.0 45.4 68.0





#52

Ethylbenzene

Concen: 25.487 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU039901.D

Acq: 19 Aug 2020 11:07

Instrument :

MSVOA_U

ClientSampleId :

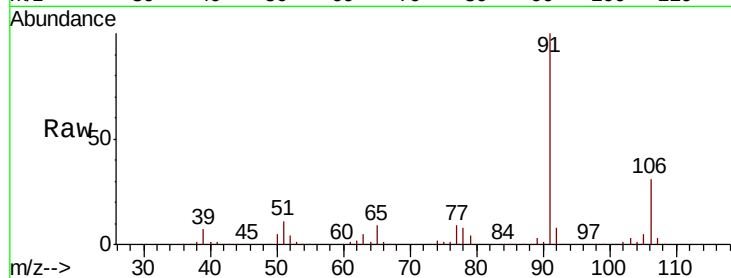
VSTD02006

Tot Ion: 91 Resp: 681213

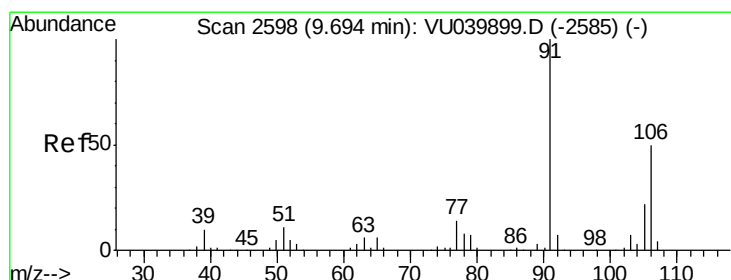
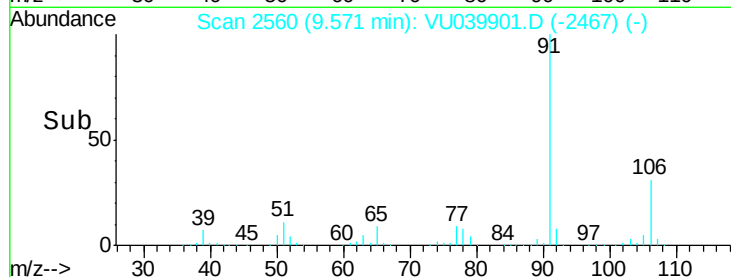
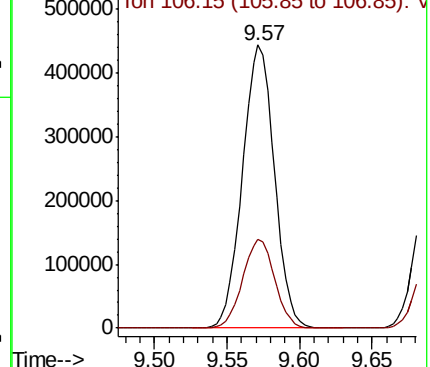
Ion Ratio Lower Upper

91 100

106 31.3 21.2 39.4



Abundance Ion 91.15 (90.85 to 91.85): VU039901.D (-2467) (-)



#53

m,p-Xylene

Concen: 25.793 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU039901.D

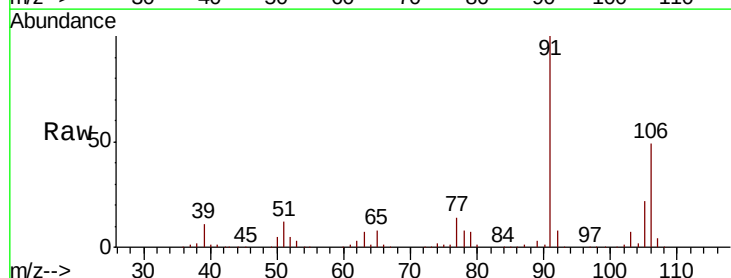
Acq: 19 Aug 2020 11:07

Tgt Ion: 106 Resp: 262671

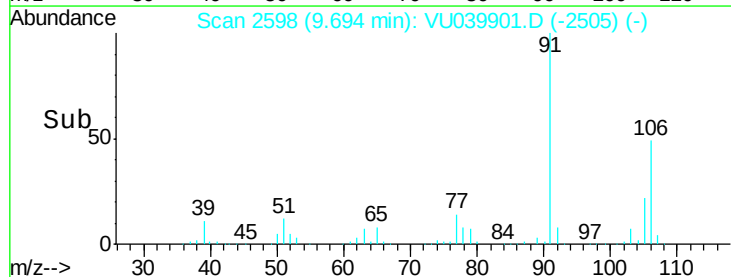
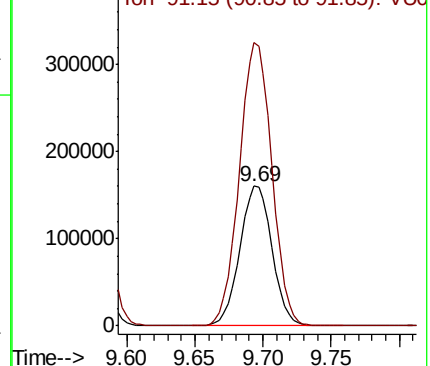
Ion Ratio Lower Upper

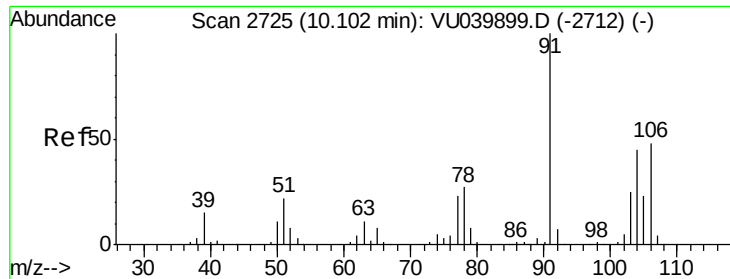
106 100

91 202.7 139.8 259.6



Abundance Ion 106.15 (105.85 to 106.85): VU039901.D (-2505) (-)

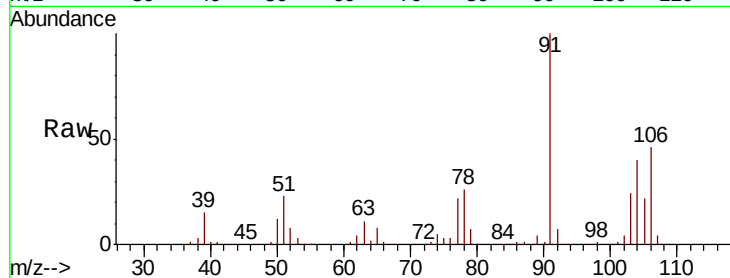




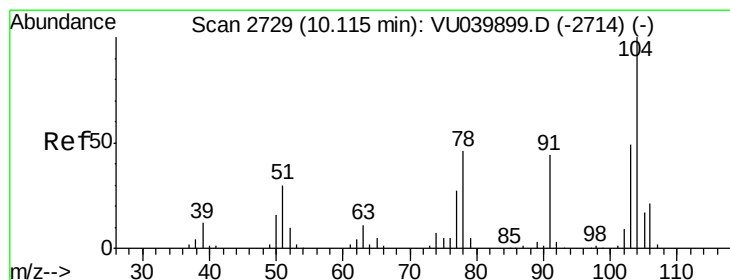
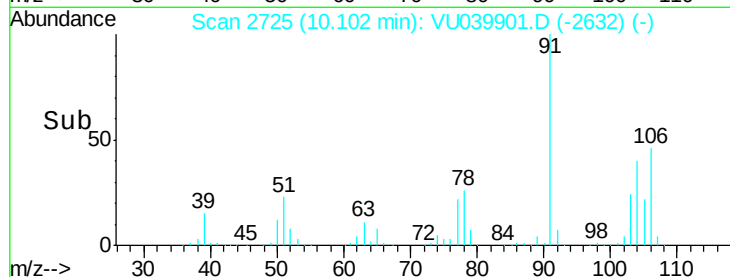
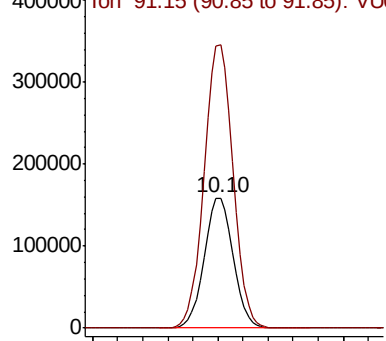
#54
o-Xylene
Concen: 25.582 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU039901.D
Acq: 19 Aug 2020 11:07

Instrument :
MSVOA_U
ClientSampleId :
VSTD02006

Tot Ion:106 Resp: 253557
Ion Ratio Lower Upper
106 100
91 217.9 144.6 268.6

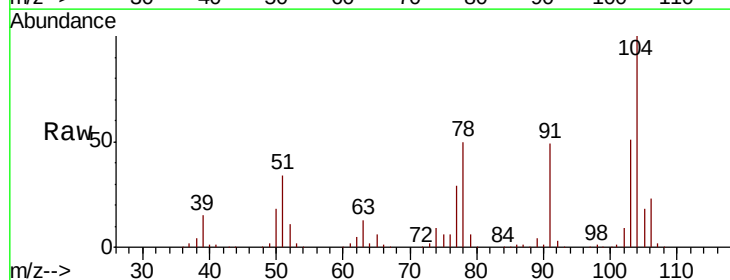


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

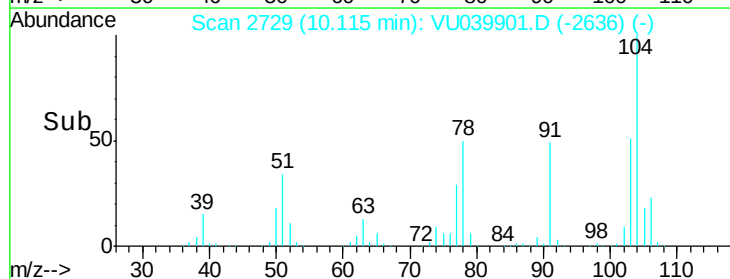
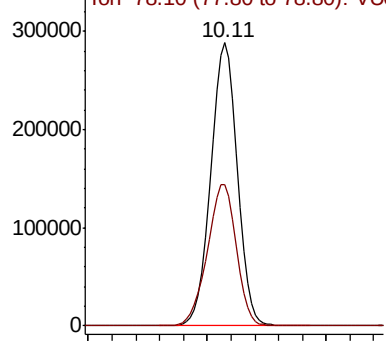


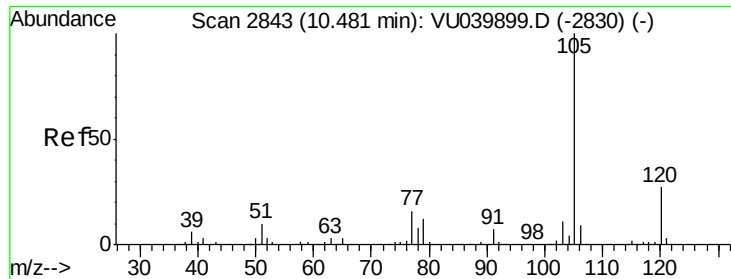
#55
Styrene
Concen: 26.456 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU039901.D
Acq: 19 Aug 2020 11:07

Tgt Ion:104 Resp: 445840
Ion Ratio Lower Upper
104 100
78 50.1 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: 25.905 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU039901.D

Acq: 19 Aug 2020 11:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD02006

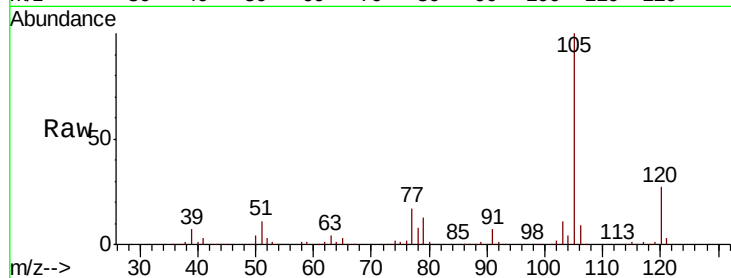
Tot Ion:105 Resp: 687433

Ion Ratio Lower Upper

105 100

120 26.9 21.5 32.3

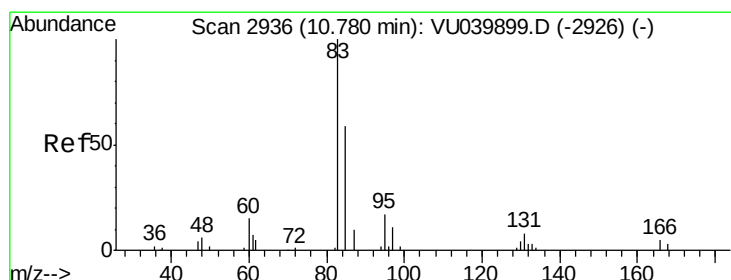
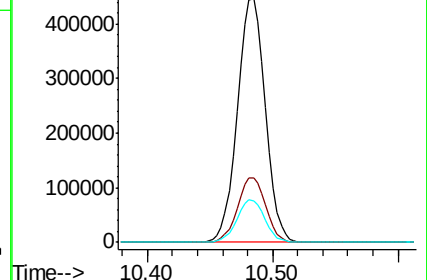
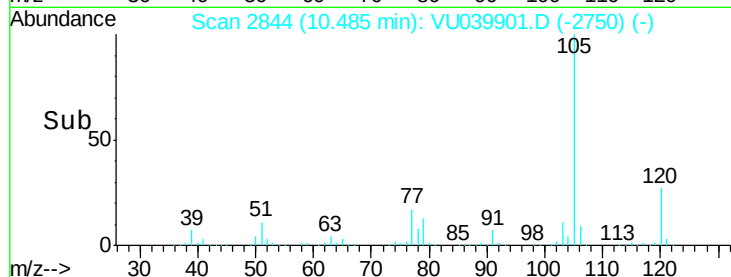
77 17.4 13.0 19.6



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: 23.903 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU039901.D

Acq: 19 Aug 2020 11:07

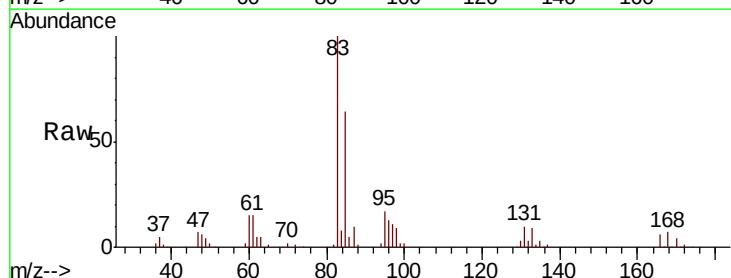
Tgt Ion: 83 Resp: 148762

Ion Ratio Lower Upper

83 100

85 64.2 42.8 79.6

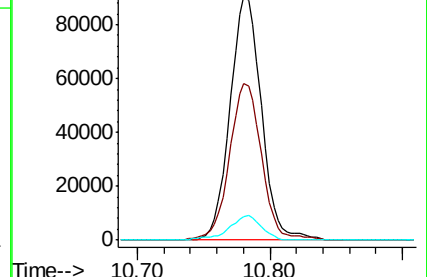
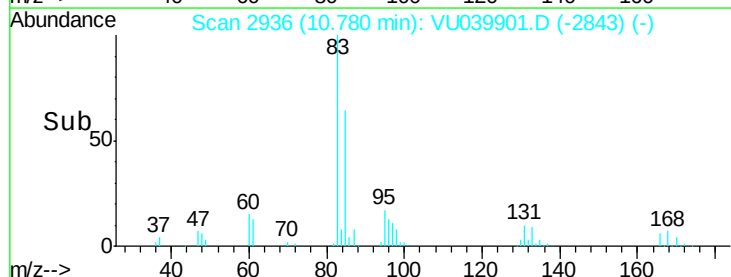
131 9.8 7.4 11.2

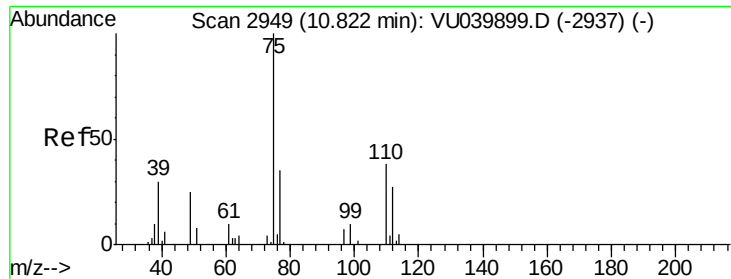


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 25.161 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU039901.D

Acq: 19 Aug 2020 11:07

Instrument :

MSVOA_U

ClientSampleId :

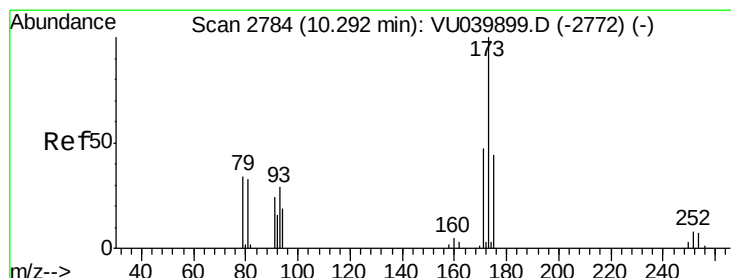
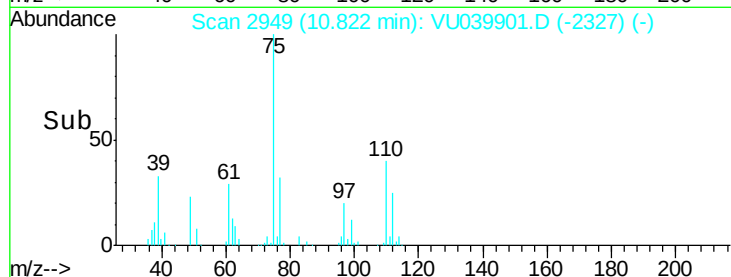
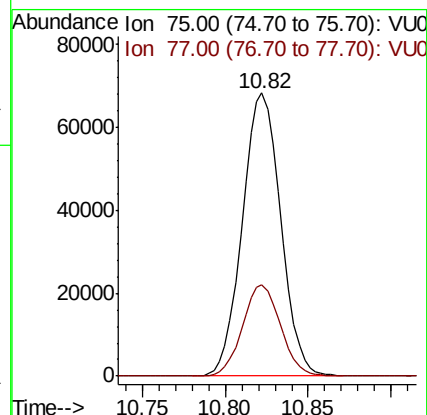
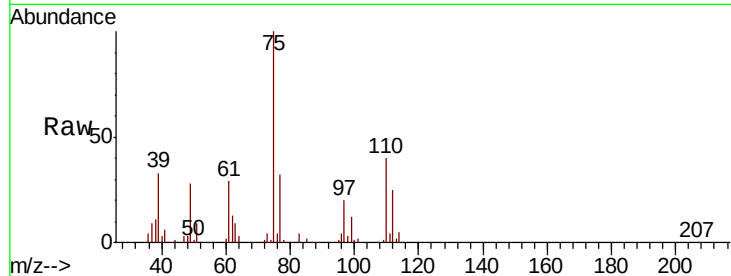
VSTD02006

Tot Ion: 75 Resp: 109819

Ion Ratio Lower Upper

75 100

77 32.0 27.4 41.2



#61

Bromoform

Concen: 26.652 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU039901.D

Acq: 19 Aug 2020 11:07

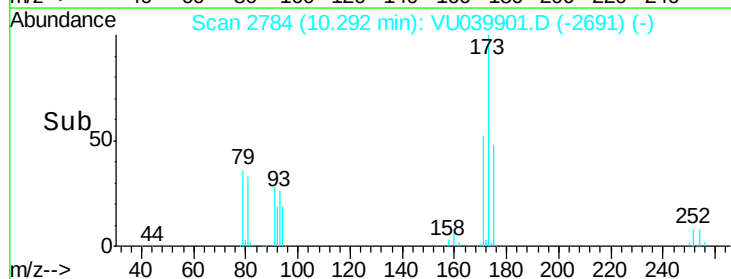
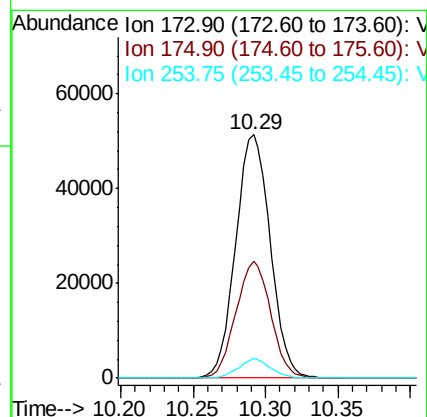
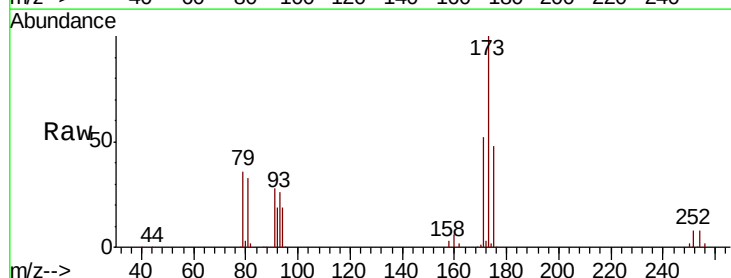
Tgt Ion: 173 Resp: 85117

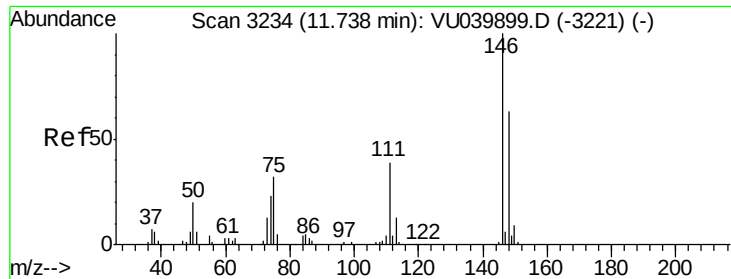
Ion Ratio Lower Upper

173 100

175 48.2 37.6 56.4

254 7.2 5.8 8.8





#62

1,3-Dichlorobenzene

Concen: 23.769 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU039901.D

Acq: 19 Aug 2020 11:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD02006

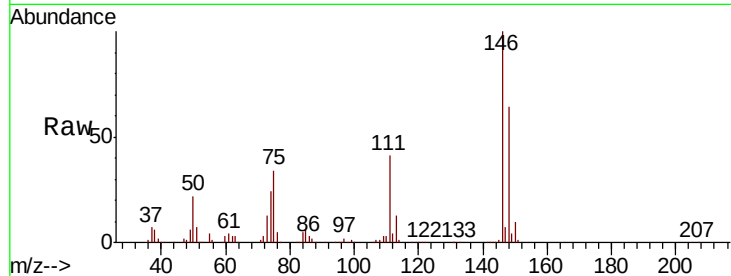
Tot Ion:146 Resp: 326317

Ion Ratio Lower Upper

146 100

111 40.6 27.6 51.4

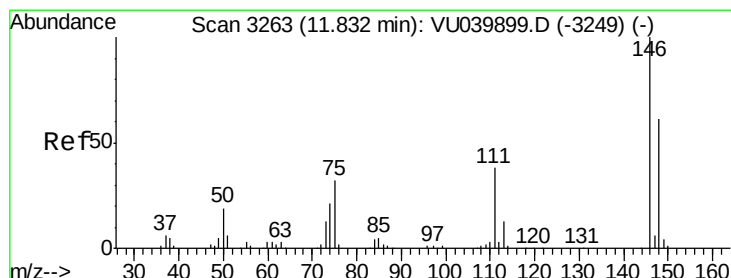
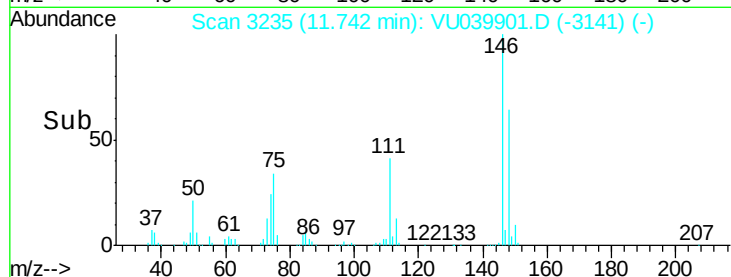
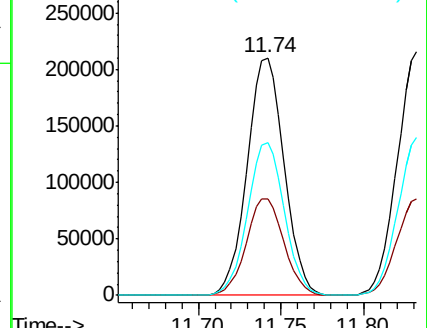
148 64.3 43.8 81.4



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: 23.097 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU039901.D

Acq: 19 Aug 2020 11:07

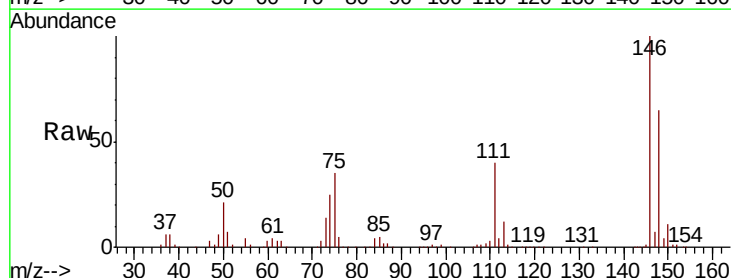
Tgt Ion:146 Resp: 331499

Ion Ratio Lower Upper

146 100

111 39.7 26.5 49.1

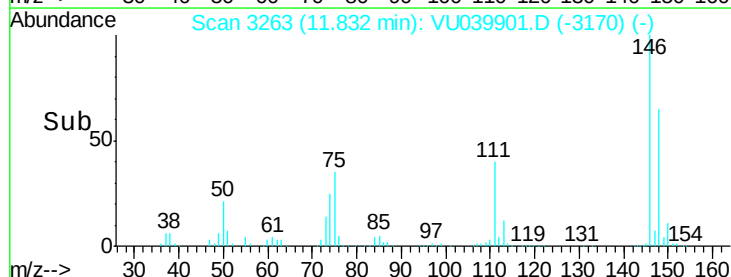
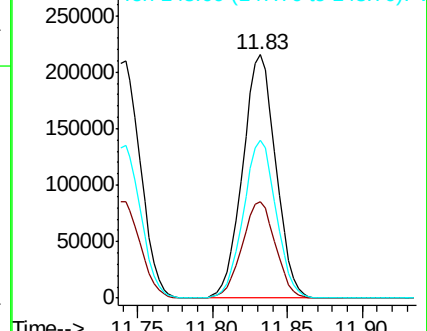
148 65.1 42.8 79.4

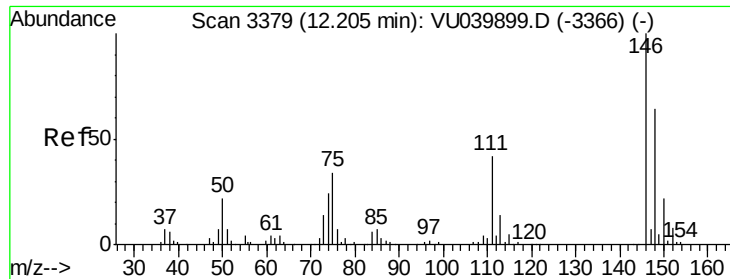


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

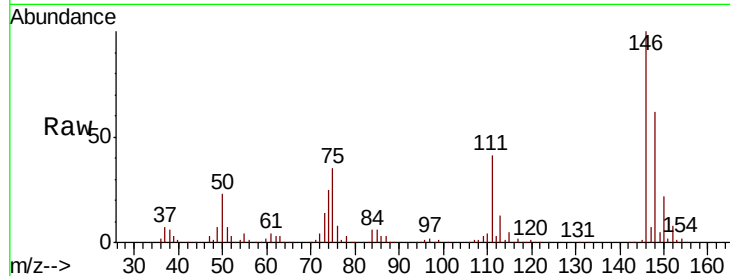




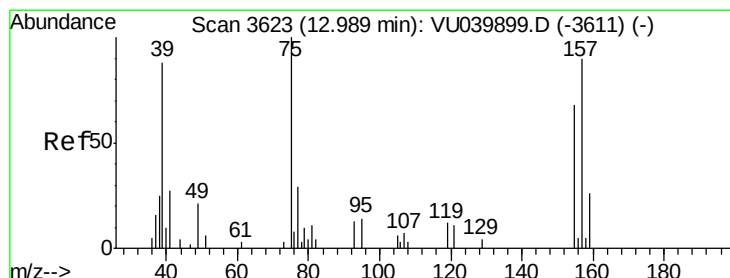
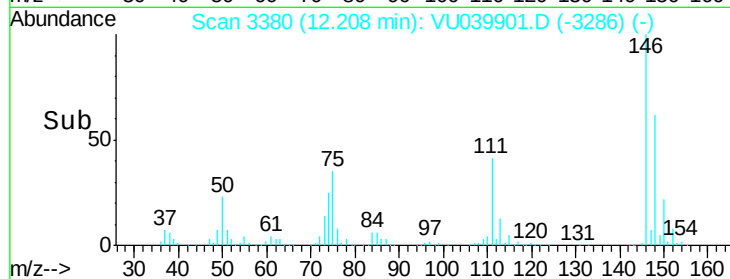
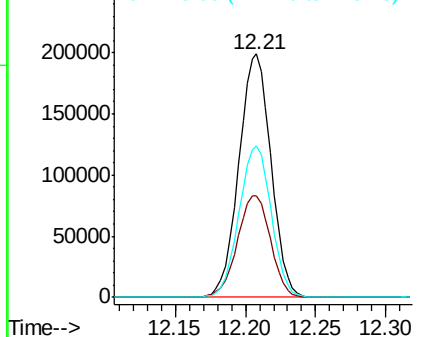
#65
 1,2-Dichlorobenzene
 Concen: 23.627 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU039901.D
 Acq: 19 Aug 2020 11:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

Tot Ion:146 Resp: 317168
 Ion Ratio Lower Upper
 146 100
 111 41.5 33.4 50.0
 148 62.3 51.4 77.0

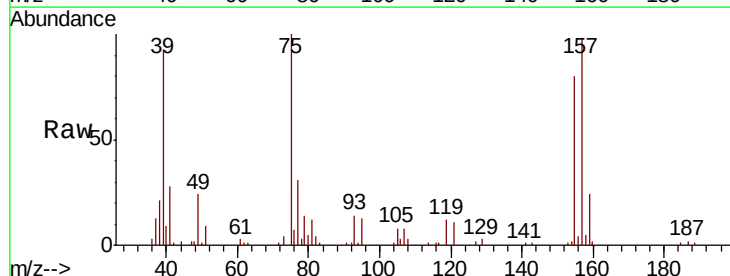


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

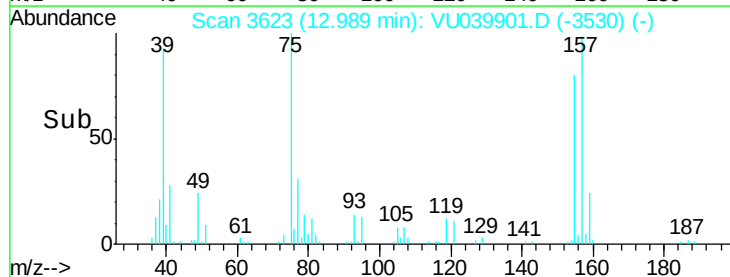
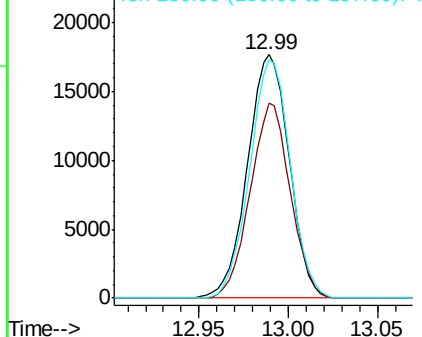


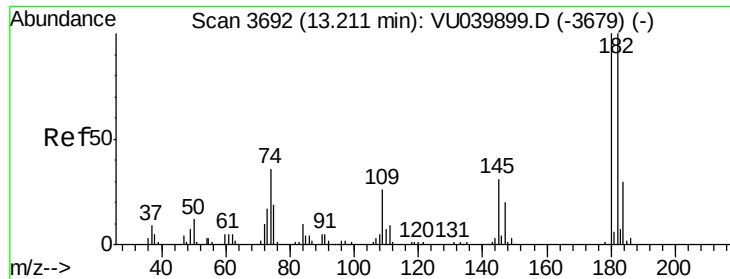
#66
 1,2-Dibromo-3-chloropropane
 Concen: 27.883 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU039901.D
 Acq: 19 Aug 2020 11:07

Tgt Ion: 75 Resp: 28950
 Ion Ratio Lower Upper
 75 100
 155 79.9 54.6 82.0
 157 98.0 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

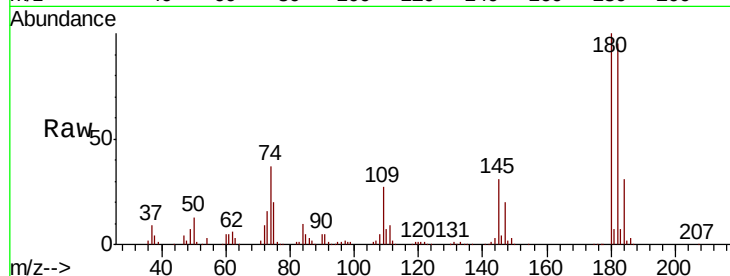




#67
 1,3,5-Trichlorobenzene
 Concen: 24.654 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU039901.D
 Acq: 19 Aug 2020 11:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

Tot Ion:180	Resp:	254068
Ion Ratio	Lower	Upper
180	100	
182	96.1	79.2 118.8
184	30.8	24.6 36.8
145	31.2	25.7 38.5

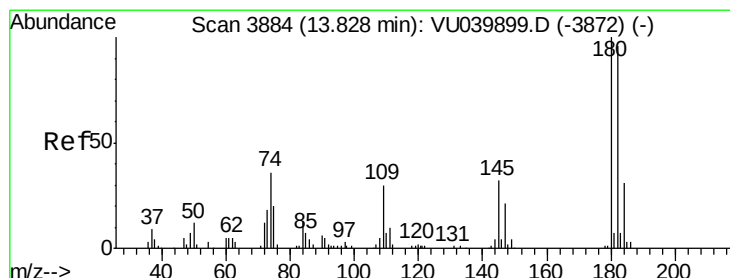
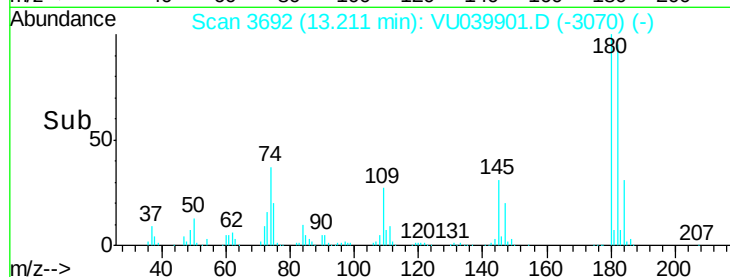
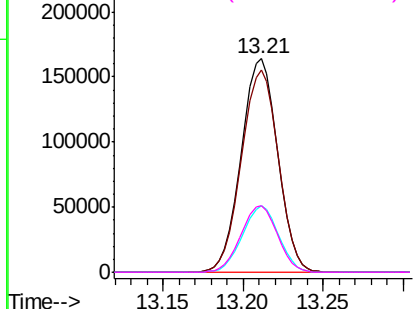


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

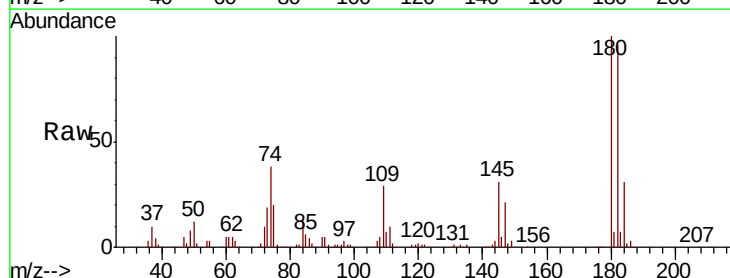
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 26.784 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU039901.D
 Acq: 19 Aug 2020 11:07

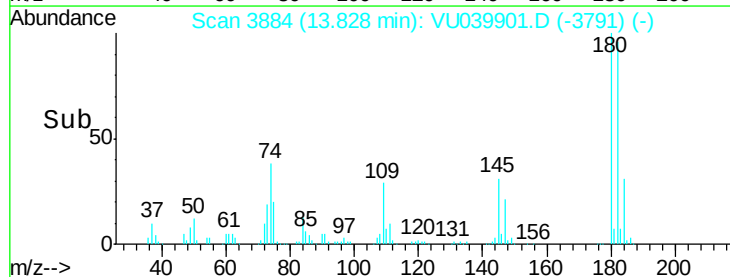
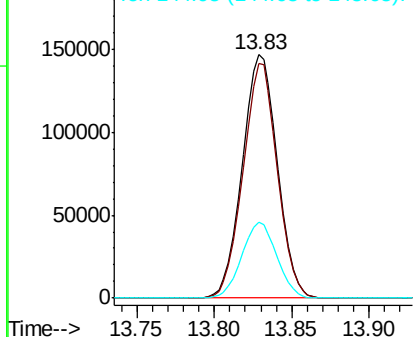
Tgt Ion:180	Resp:	231640
Ion Ratio	Lower	Upper
180	100	
182	94.2	75.2 112.8
145	31.1	24.6 36.8

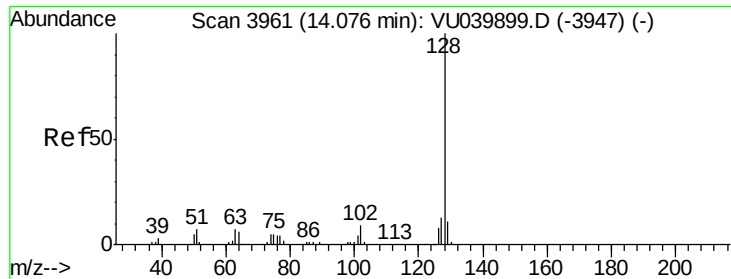


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 28.567 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU039901.D

Acq: 19 Aug 2020 11:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD02006

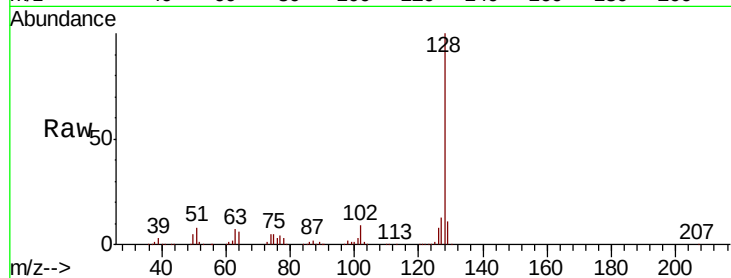
Tot Ion:128 Resp: 446106

Ion Ratio Lower Upper

128 100

129 10.8 8.5 12.7

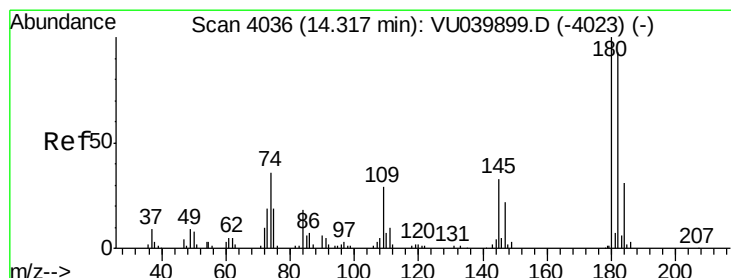
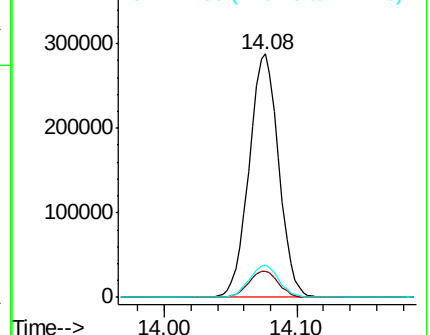
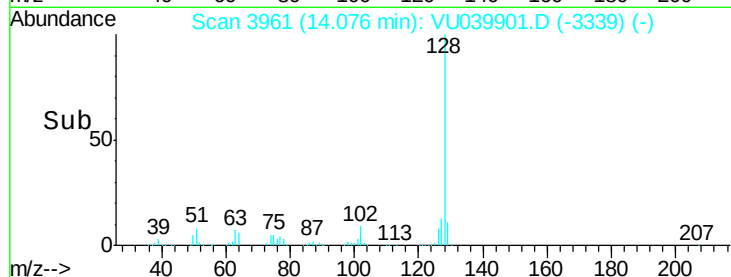
127 13.2 10.2 15.4



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: 26.968 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. 0.00 min

Lab File: VU039901.D

Acq: 19 Aug 2020 11:07

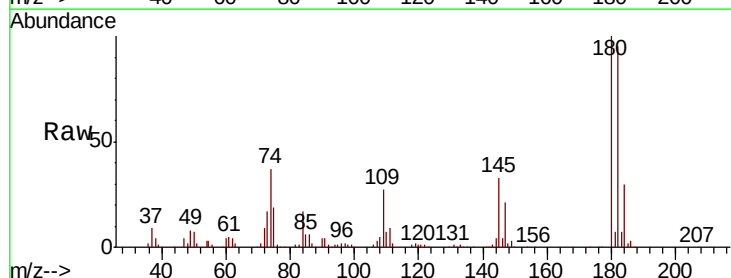
Tgt Ion:180 Resp: 208923

Ion Ratio Lower Upper

180 100

182 94.9 75.0 112.6

145 33.7 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

