

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081920\
 Data File : VU039900.D
 Acq On : 19 Aug 2020 10:43
 Operator : SY/MD
 Sample : VSTD01005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01005

Quant Time: Aug 20 07:42:00 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	72162	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	69419	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	39459	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	62730	14.54	ug/L	0.00
7) Chloroethane-d5	1.92	69	54144	12.15	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	125193	14.33	ug/L	0.00
20) 2-Butanone-d5	4.66	46	220190	124.34	ug/L	0.00
24) Chloroform-d	5.08	84	116980	11.57	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	65516	11.12	ug/L	0.00
32) Benzene-d6	5.74	84	222428	12.99	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	71082	12.23	ug/L	0.00
41) Toluene-d8	7.91	98	200044	13.08	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	30583	13.54	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	173281	141.52	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.75	84	65130	11.68	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.19	152	82080	11.87	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	76440	12.158 ug/L	99
3) Chloromethane	1.53	50	85462	12.859 ug/L	99
5) Vinyl chloride	1.61	62	84211	13.027 ug/L	97
6) Bromomethane	1.87	94	46357	11.847 ug/L	99
8) Chloroethane	1.94	64	50588	11.249 ug/L	97
9) Trichlorofluoromethane	2.15	101	126598	12.936 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	68795	12.532 ug/L	93
12) 1,1-Dichloroethene	2.59	96	66186	13.784 ug/L	96
13) Acetone	2.68	43	142530	129.234 ug/L #	50
14) Carbon disulfide	2.81	76	211195	13.918 ug/L	100
15) Methyl Acetate	2.97	43	37158	13.630 ug/L	95
16) Methylene chloride	3.06	84	74471	10.041 ug/L	93
17) Methyl tert-butyl Ether	3.38	73	176428	14.067 ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	69157	13.163 ug/L	96
19) 1,1-Dichloroethane	3.89	63	126184	12.989 ug/L	98
21) 2-Butanone	4.74	43	257399	146.367 ug/L	100
22) cis-1,2-Dichloroethene	4.69	96	73456	13.120 ug/L	98
23) Bromochloromethane	4.99	128	34974	13.283 ug/L	95
25) Chloroform	5.11	83	129782	12.746 ug/L	98
27) 1,2-Dichloroethane	5.81	62	90242	12.783 ug/L	98
29) 1,1,1-Trichloroethane	5.34	97	114035	13.784 ug/L	98
30) Cyclohexane	5.40	56	117500	14.501 ug/L	99
31) Carbon tetrachloride	5.54	117	102524	13.622 ug/L	99
33) Benzene	5.79	78	281010	13.840 ug/L	100
34) Trichloroethene	6.56	95	70400	13.401 ug/L	90
35) Methylcyclohexane	6.77	83	117372	14.101 ug/L	98
37) 1,2-Dichloropropane	6.80	63	73993	13.697 ug/L #	97
38) Bromodichloromethane	7.11	83	94413	13.419 ug/L	99
39) cis-1,3-Dichloropropene	7.62	75	108859	14.629 ug/L	99
40) 4-Methyl-2-pentanone	7.80	43	618728	151.983 ug/L	99

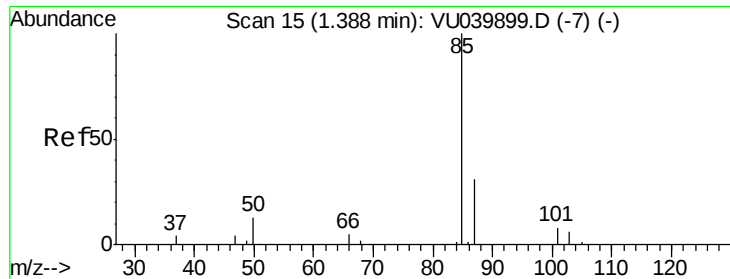
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081920\
 Data File : VU039900.D
 Acq On : 19 Aug 2020 10:43
 Operator : SY/MD
 Sample : VSTD01005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01005

Quant Time: Aug 20 07:42:00 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	292027	13.687	ug/L	97
44) trans-1,3-Dichloropropene	8.22	75	100934	15.249	ug/L	96
45) 1,1,2-Trichloroethane	8.41	97	55624	13.780	ug/L	97
47) Tetrachloroethene	8.56	164	55576	13.024	ug/L	95
48) 2-Hexanone	8.69	43	442337	150.773	ug/L	99
49) Dibromochloromethane	8.82	129	69152	14.007	ug/L	97
50) 1,2-Dibromoethane	8.93	107	55332	14.069	ug/L #	98
51) Chlorobenzene	9.45	112	188262	13.285	ug/L	100
52) Ethylbenzene	9.57	91	323283	13.682	ug/L	97
53) m,p-Xylene	9.69	106	125569	13.948	ug/L	98
54) o-Xylene	10.10	106	122367	13.965	ug/L	98
55) Styrene	10.11	104	210725	14.145	ug/L	99
56) Isopropylbenzene	10.48	105	320240	13.651	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	73750	13.405	ug/L	97
59) 1,2,3-Trichloropropane	10.82	75	53485	13.862	ug/L	96
61) Bromoform	10.29	173	40130	14.016	ug/L	100
62) 1,3-Dichlorobenzene	11.74	146	159554	12.964	ug/L	97
63) 1,4-Dichlorobenzene	11.83	146	161002	12.513	ug/L	97
65) 1,2-Dichlorobenzene	12.20	146	152076	12.637	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.99	75	13252	14.237	ug/L	85
67) 1,3,5-Trichlorobenzene	13.21	180	121783	13.182	ug/L	97
68) 1,2,4-trichlorobenzene	13.83	180	109355	14.105	ug/L	99
69) Naphthalene	14.08	128	211713	15.123	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	102030	14.691	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 12.158 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU039900.D

Acq: 19 Aug 2020 10:43

Instrument :

MSVOA_U

ClientSampleId :

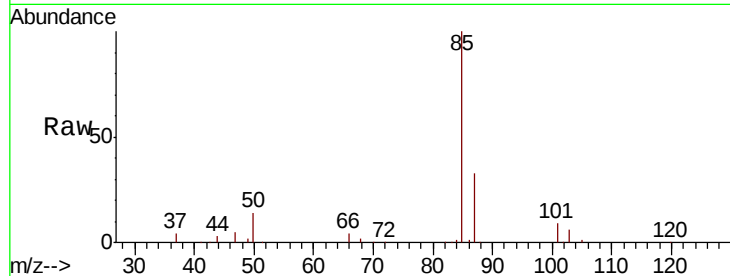
VSTD01005

Tot Ion: 85 Resp: 76440

Ion Ratio Lower Upper

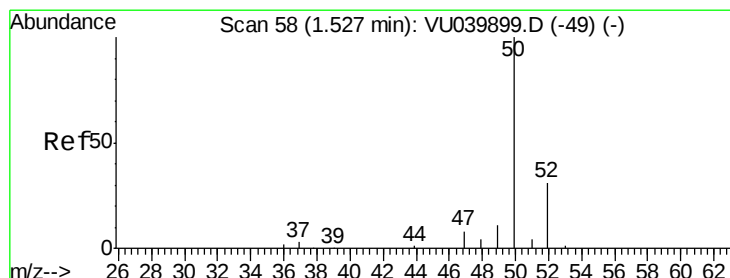
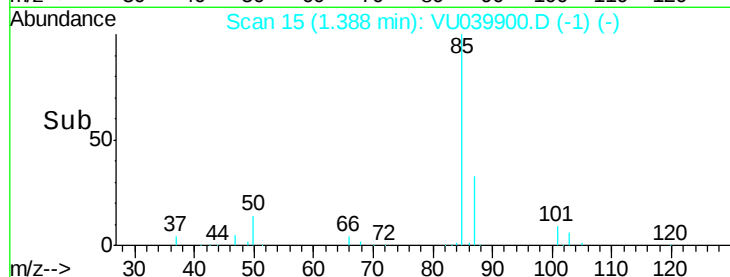
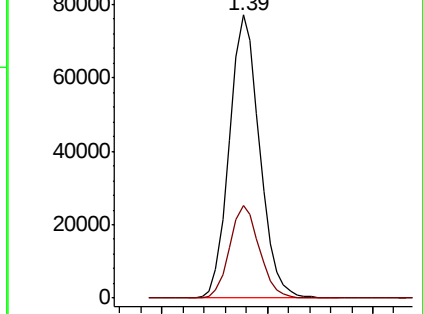
85 100

87 32.0 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: 12.859 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU039900.D

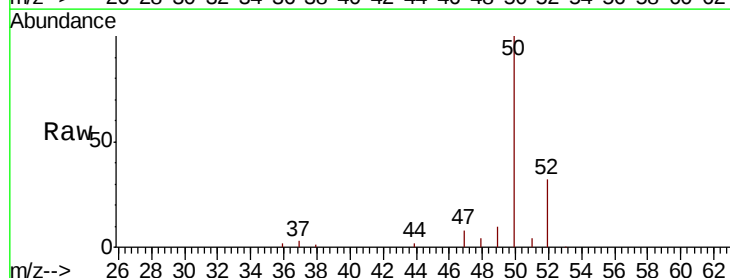
Acq: 19 Aug 2020 10:43

Tgt Ion: 50 Resp: 85462

Ion Ratio Lower Upper

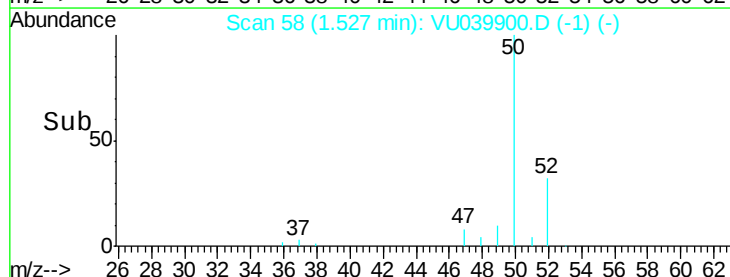
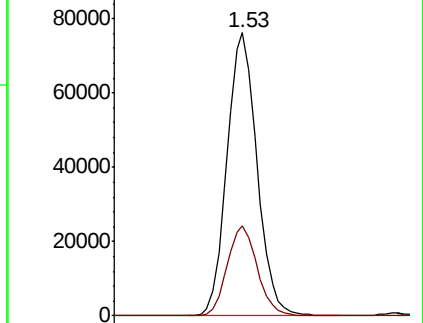
50 100

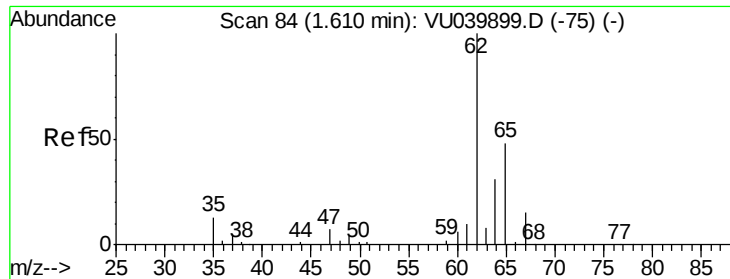
52 31.8 21.9 40.7



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: 13.027 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039900.D

Acq: 19 Aug 2020 10:43

Instrument :

MSVOA_U

ClientSampleId :

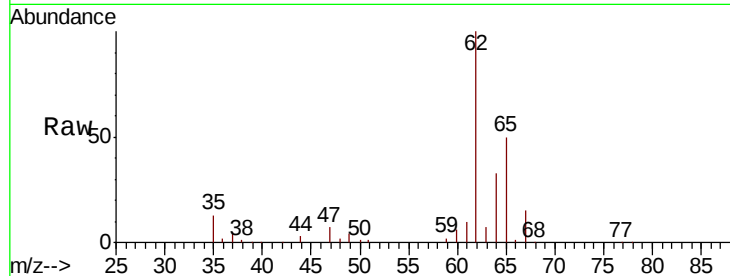
VSTD01005

Tot Ion: 62 Resp: 84211

Ion Ratio Lower Upper

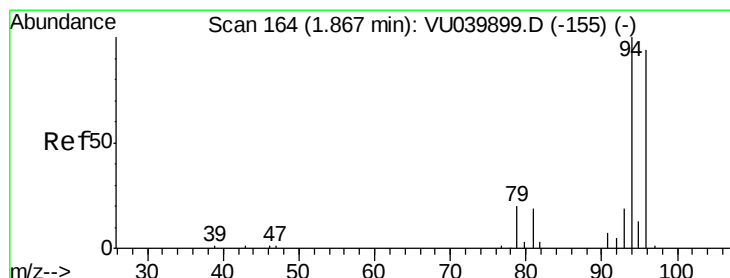
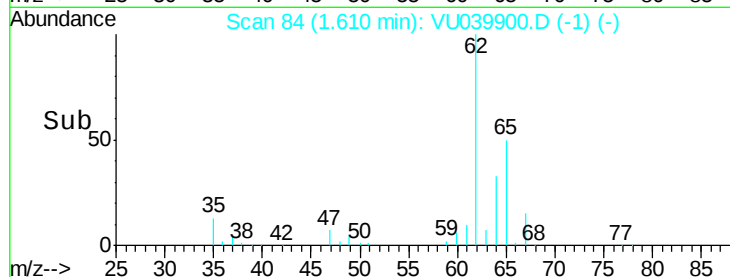
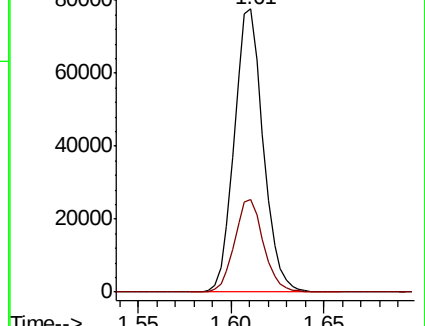
62 100

64 32.7 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) (-)



#6

Bromomethane

Concen: 11.847 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU039900.D

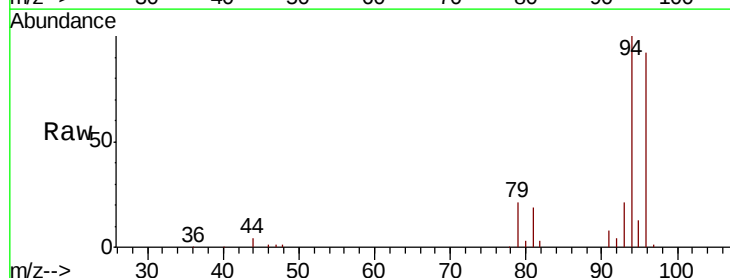
Acq: 19 Aug 2020 10:43

Tgt Ion: 94 Resp: 46357

Ion Ratio Lower Upper

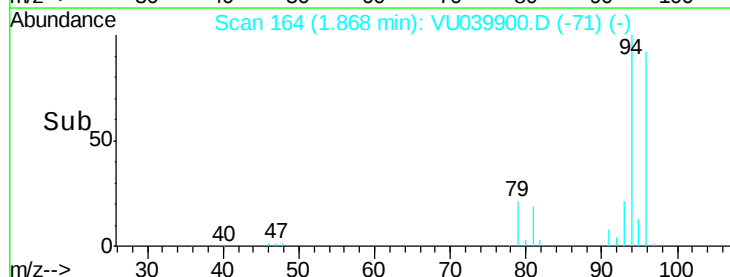
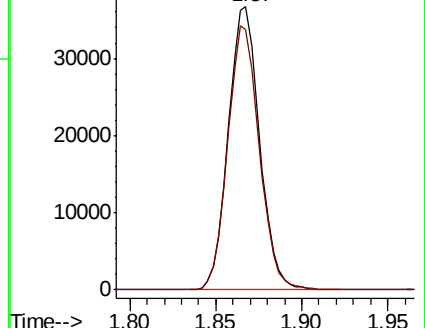
94 100

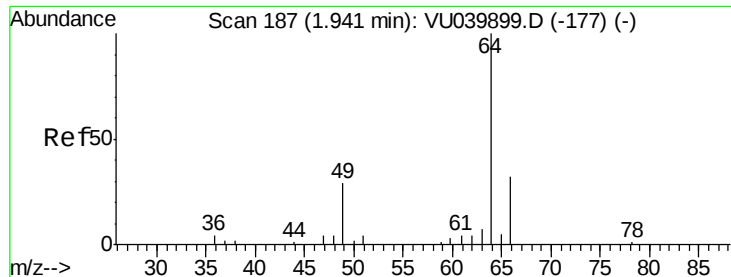
96 92.2 65.5 121.7



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

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

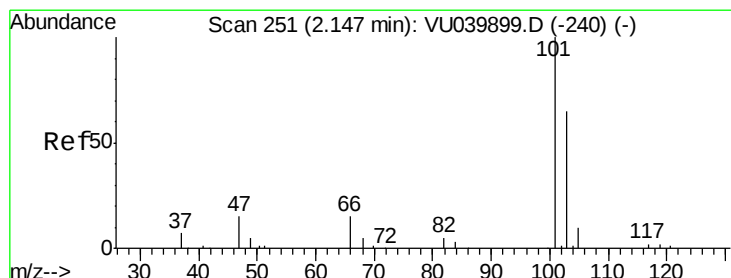
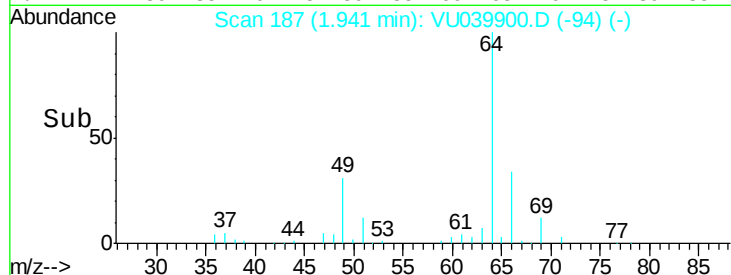
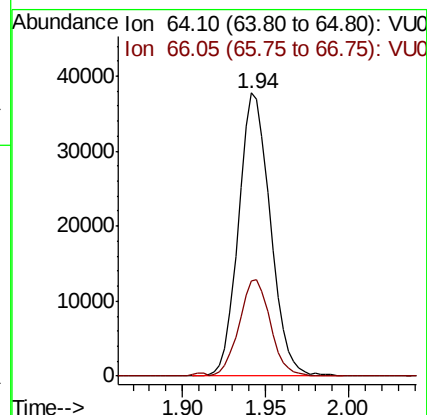
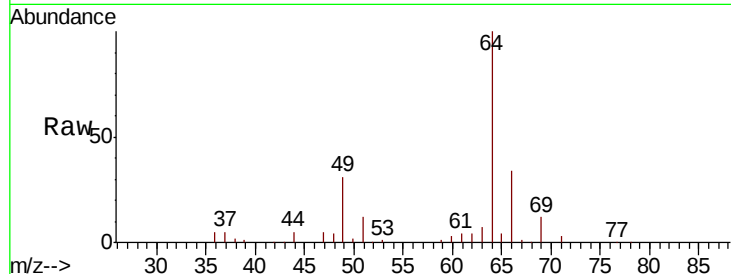




#8
Chloroethane
Concen: 11.249 ug/L
RT: 1.94 min Scan# 187
Delta R.T. 0.00 min
Lab File: VU039900.D
Acq: 19 Aug 2020 10:43

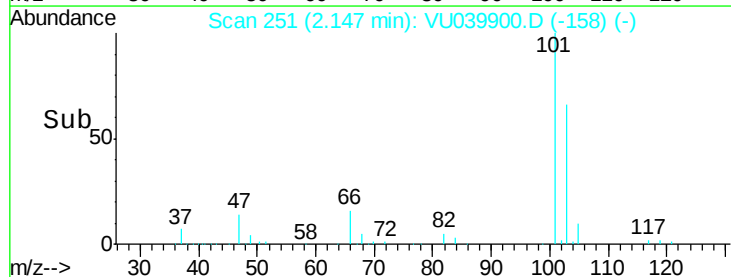
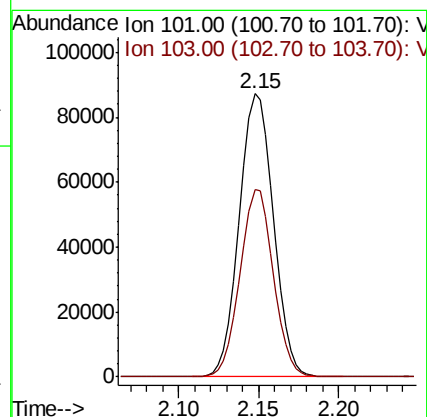
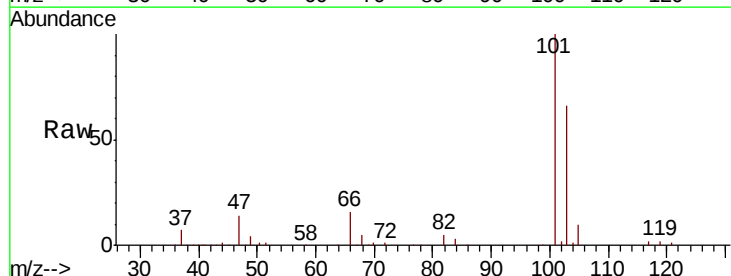
Instrument :
MSVOA_U
ClientSampleId :
VSTD01005

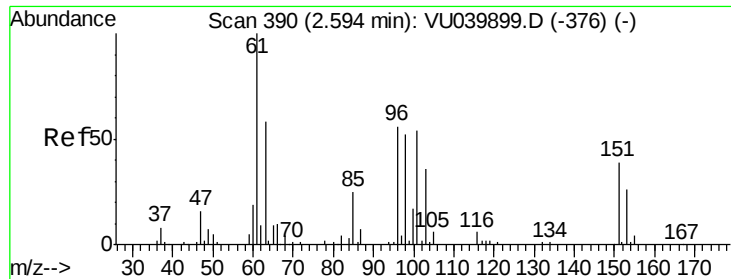
Tot Ion: 64 Resp: 50588
Ion Ratio Lower Upper
64 100
66 33.8 22.6 42.0



#9
Trichlorofluoromethane
Concen: 12.936 ug/L
RT: 2.15 min Scan# 251
Delta R.T. 0.00 min
Lab File: VU039900.D
Acq: 19 Aug 2020 10:43

Tgt Ion:101 Resp: 126598
Ion Ratio Lower Upper
101 100
103 64.5 51.0 76.4





#10

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

Concen: 12.532 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039900.D

Acq: 19 Aug 2020 10:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD01005

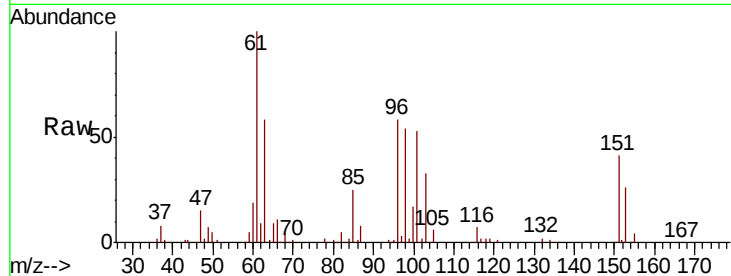
Tot Ion:101 Resp: 68795

Ion Ratio Lower Upper

101 100

85 46.4 34.5 51.7

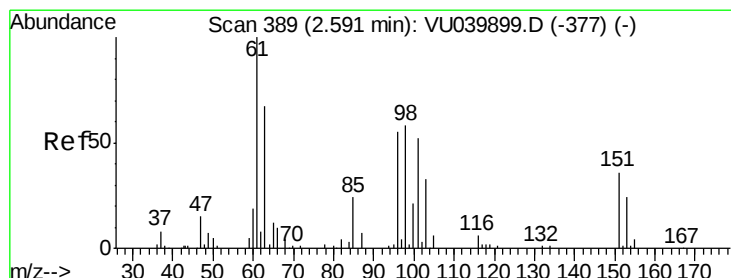
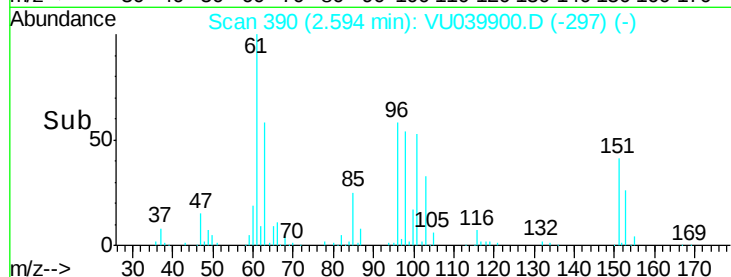
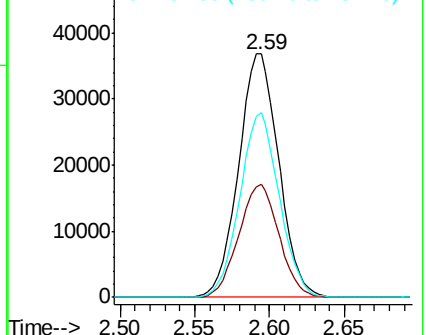
151 74.6 54.4 81.6



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: 13.784 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU039900.D

Acq: 19 Aug 2020 10:43

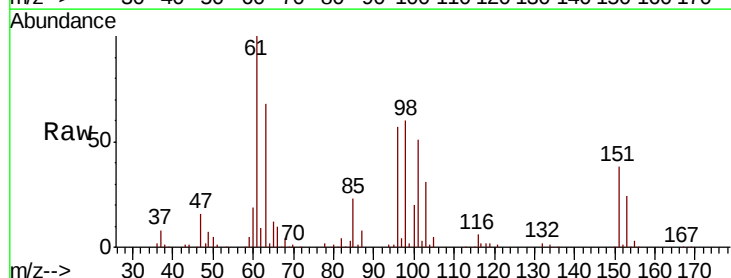
Tgt Ion: 96 Resp: 66186

Ion Ratio Lower Upper

96 100

61 176.7 126.8 235.4

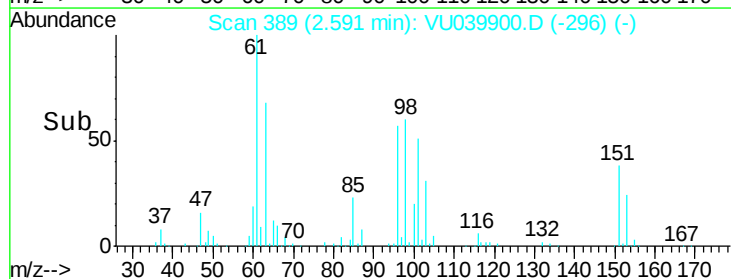
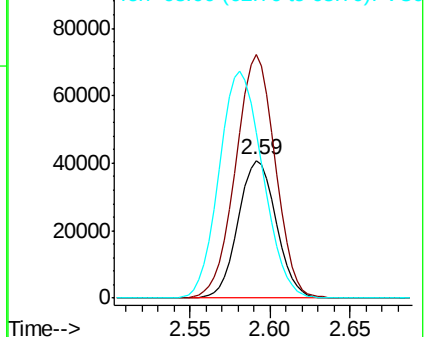
63 120.4 88.6 164.6

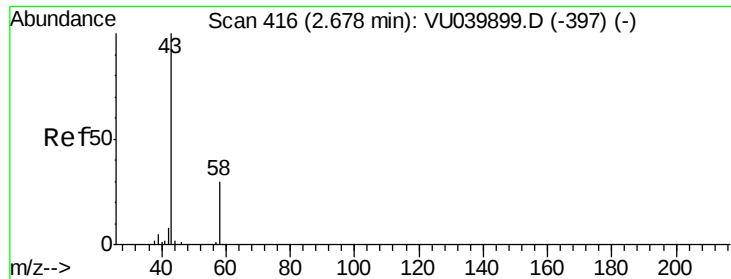


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 129.234 ug/L

RT: 2.68 min Scan# 416

Delta R.T. 0.00 min

Lab File: VU039900.D

Acq: 19 Aug 2020 10:43

Instrument :

MSVOA_U

ClientSampleId :

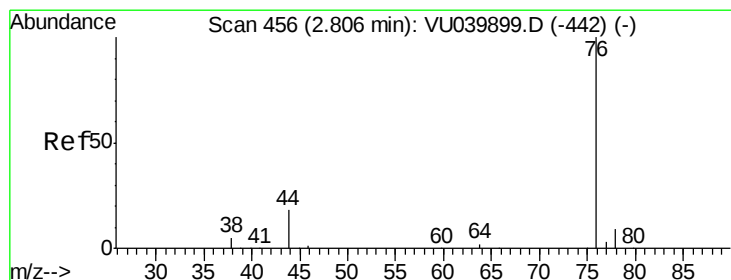
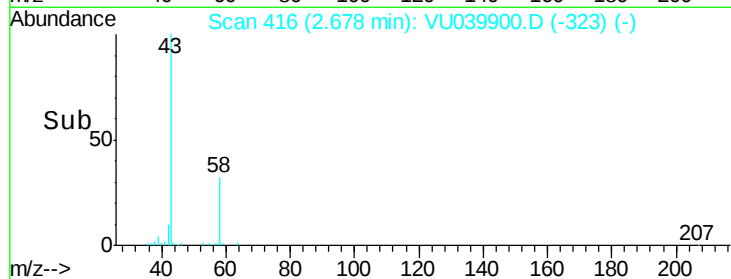
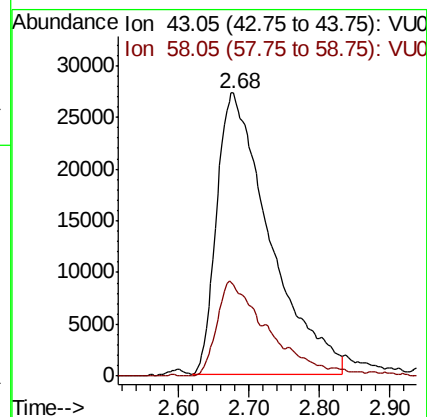
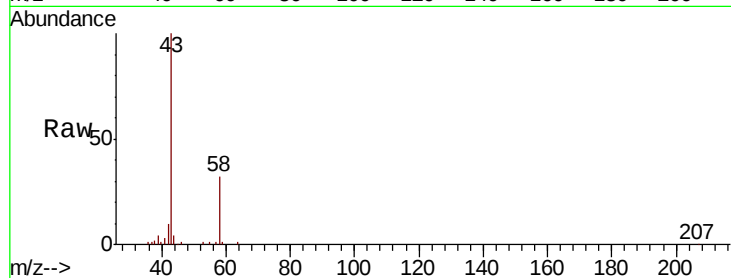
VSTD01005

Tot Ion: 43 Resp: 142530

Ion Ratio Lower Upper

43 100

58 27.7 0.0 19.0#



#14

Carbon disulfide

Concen: 13.918 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU039900.D

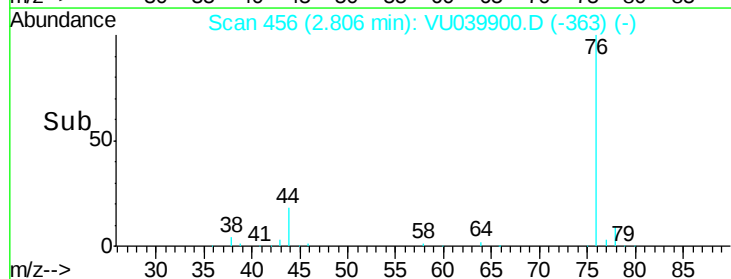
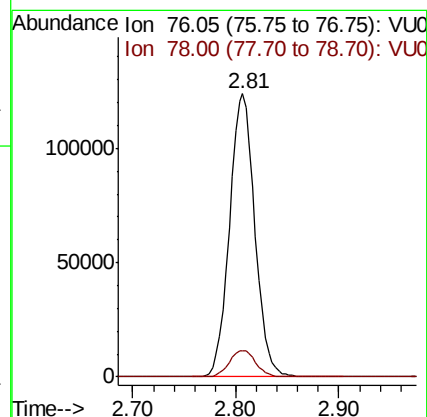
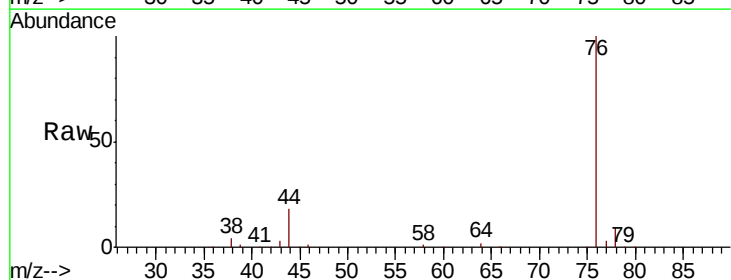
Acq: 19 Aug 2020 10:43

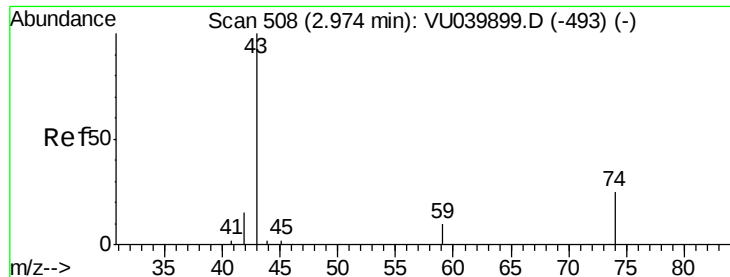
Tgt Ion: 76 Resp: 211195

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0

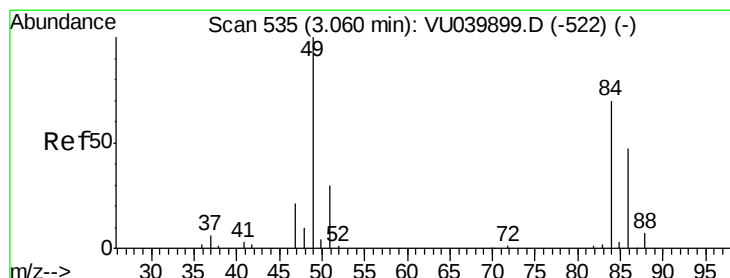
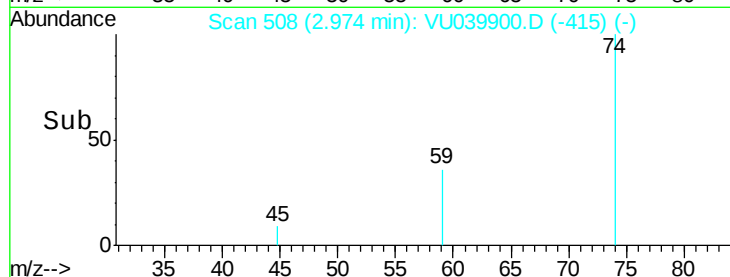
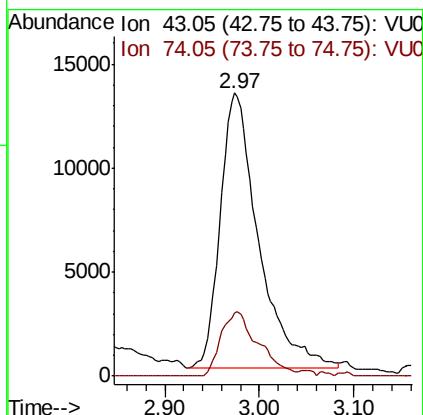
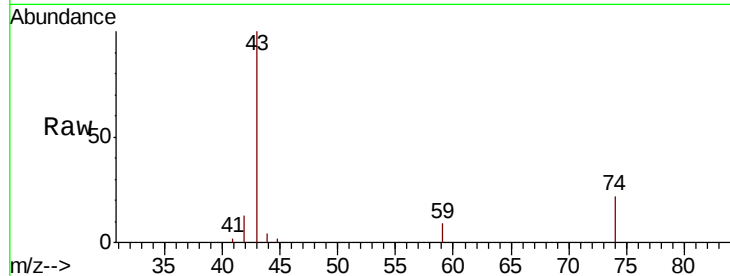




#15
Methvl Acetate
Concen: 13.630 ug/L
RT: 2.97 min Scan# 508
Delta R.T. 0.00 min
Lab File: VU039900.D
Acq: 19 Aug 2020 10:43

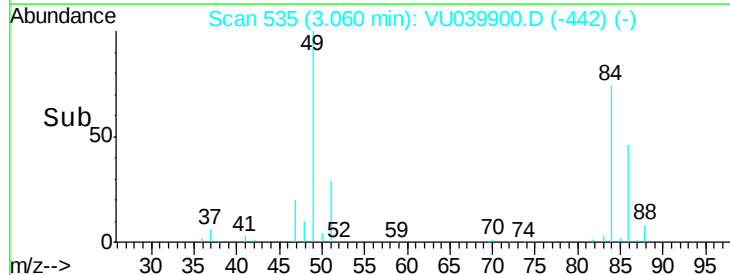
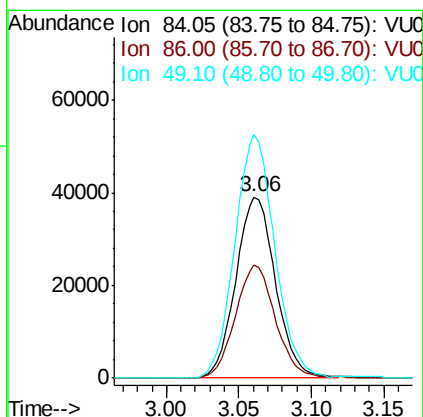
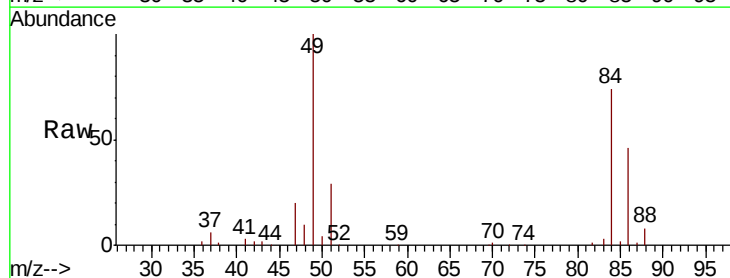
Instrument :
MSVOA_U
ClientSampleId :
VSTD01005

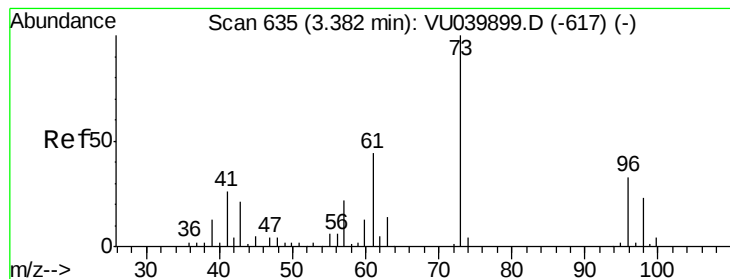
Tot Ion: 43 Resp: 37158
Ion Ratio Lower Upper
43 100
74 22.9 16.3 24.5



#16
Methylene chloride
Concen: 10.041 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU039900.D
Acq: 19 Aug 2020 10:43

Tgt Ion: 84 Resp: 74471
Ion Ratio Lower Upper
84 100
86 62.5 47.2 87.6
49 134.4 99.8 185.4



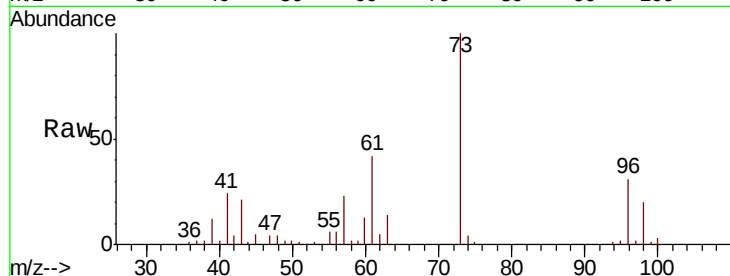


#17

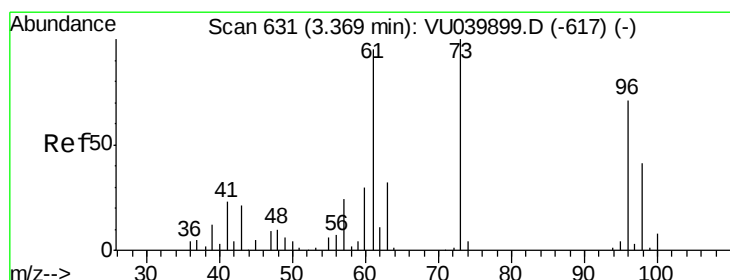
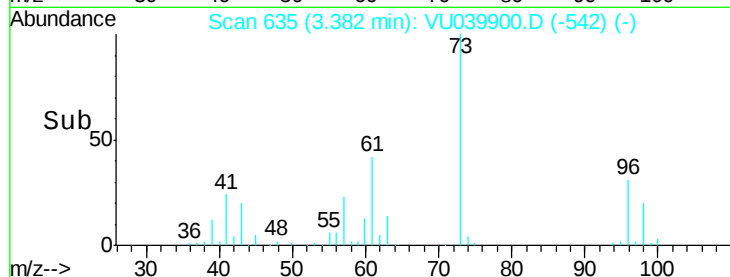
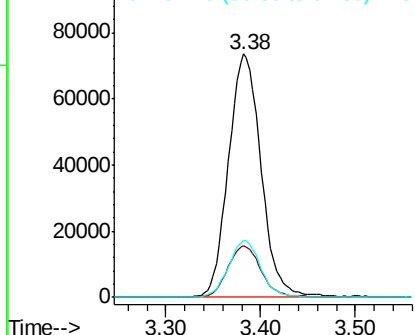
Methvl tert-butvl Ether
 Concen: 14.067 ug/L
 RT: 3.38 min Scan# 635
 Delta R.T. 0.00 min
 Lab File: VU039900.D
 Acq: 19 Aug 2020 10:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01005

Tot Ion: 73 Resp: 176428
 Ion Ratio Lower Upper
 73 100
 43 21.3 16.6 24.8
 57 22.9 18.2 27.4



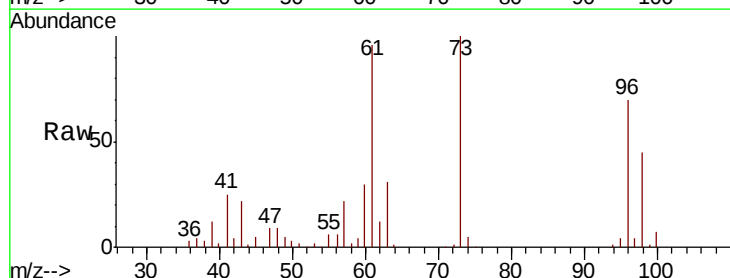
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



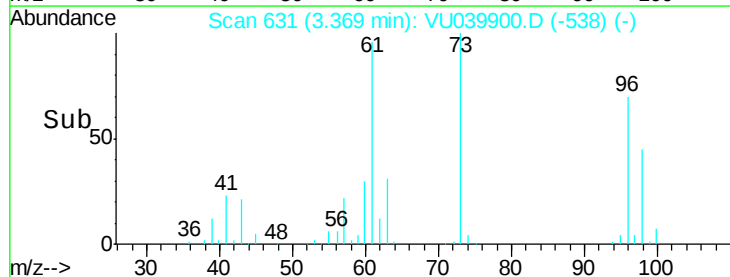
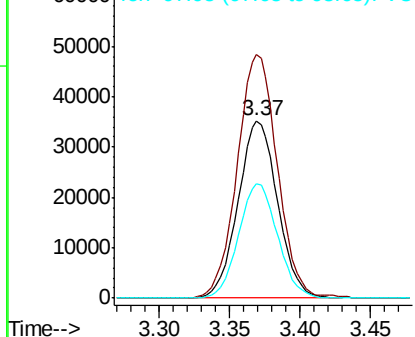
#18

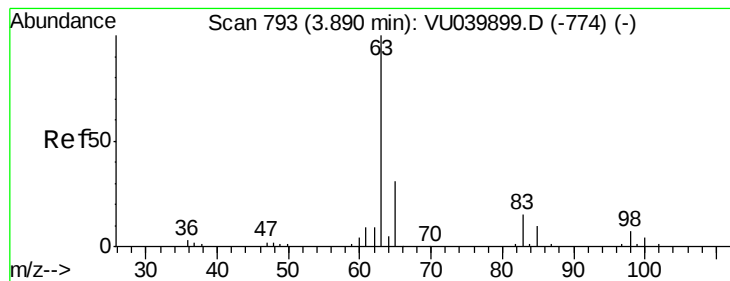
trans-1,2-Dichloroethene
 Concen: 13.163 ug/L
 RT: 3.37 min Scan# 631
 Delta R.T. 0.00 min
 Lab File: VU039900.D
 Acq: 19 Aug 2020 10:43

Tgt Ion: 96 Resp: 69157
 Ion Ratio Lower Upper
 96 100
 61 137.1 93.7 173.9
 98 64.1 40.7 75.5



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





#19

1,1-Dichloroethane

Concen: 12.989 ug/L

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU039900.D

Acq: 19 Aug 2020 10:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD01005

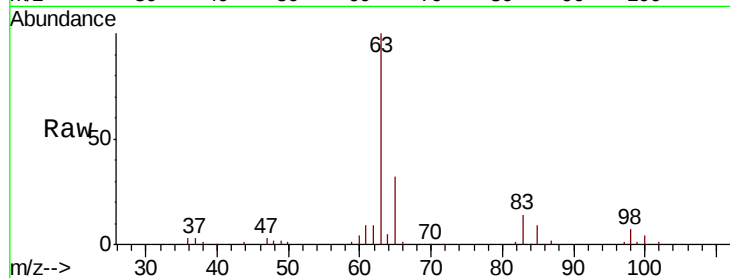
Tot Ion: 63 Resp: 126184

Ion Ratio Lower Upper

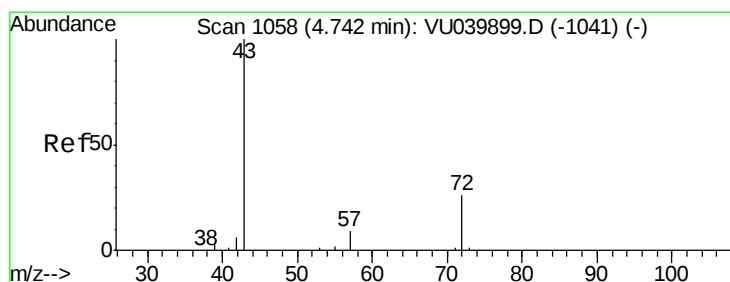
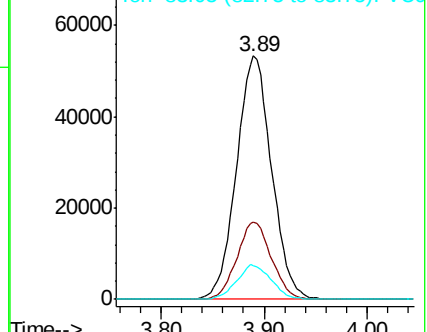
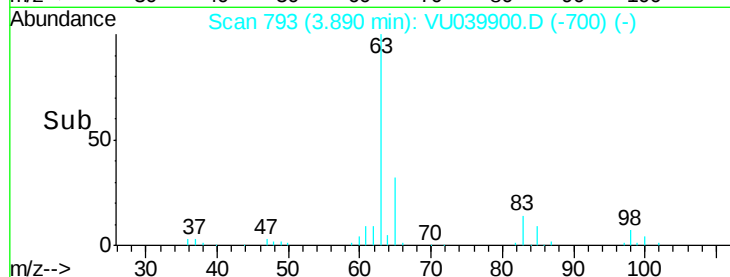
63 100

65 31.8 21.6 40.0

83 14.0 10.3 19.1



Abundance Ion 63.10 (62.80 to 63.80): VU039900.D (-700) (-)



#21

2-Butanone

Concen: 146.367 ug/L

RT: 4.74 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VU039900.D

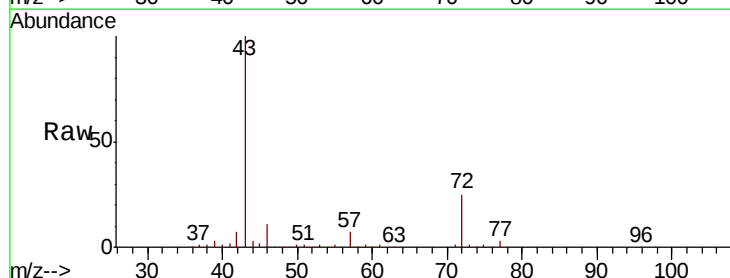
Acq: 19 Aug 2020 10:43

Tgt Ion: 43 Resp: 257399

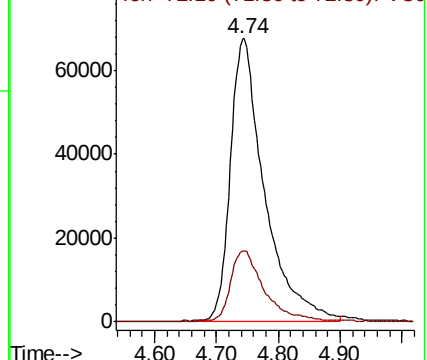
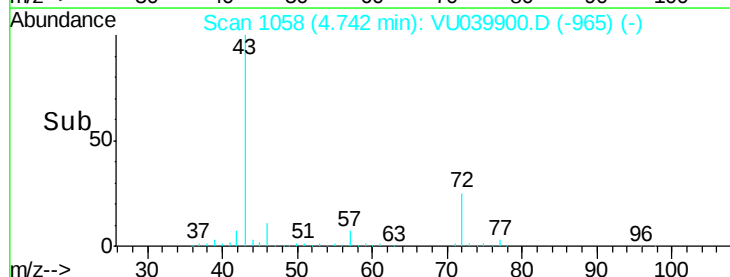
Ion Ratio Lower Upper

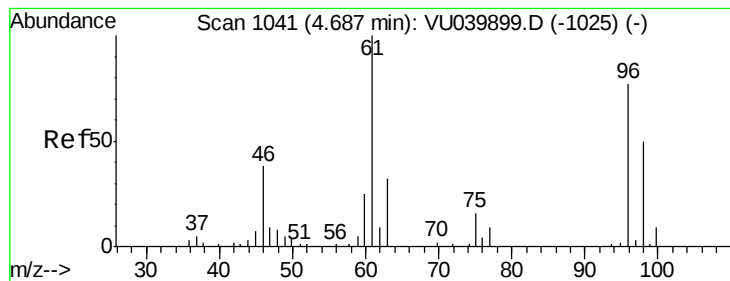
43 100

72 25.2 12.7 38.0



Abundance Ion 43.05 (42.75 to 43.75): VU039900.D (-965) (-)





#22

cis-1,2-Dichloroethene

Concen: 13.120 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU039900.D

Acq: 19 Aug 2020 10:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD01005

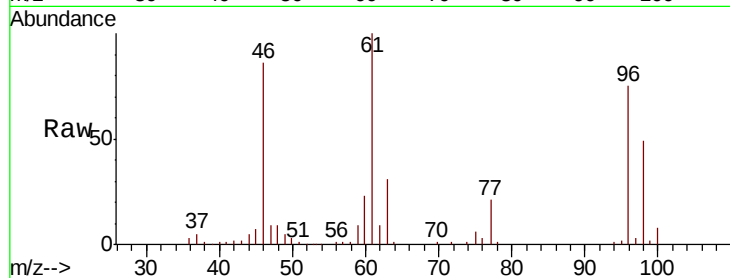
Tot Ion: 96 Resp: 73456

Ion Ratio Lower Upper

96 100

61 132.6 90.9 168.9

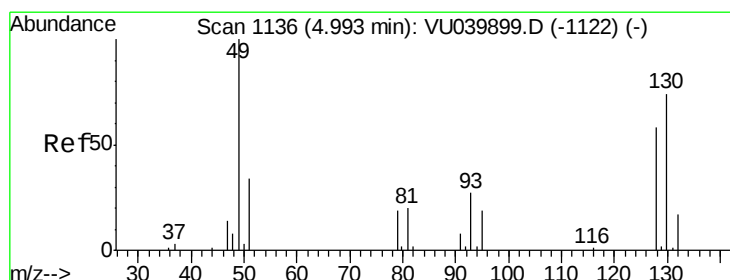
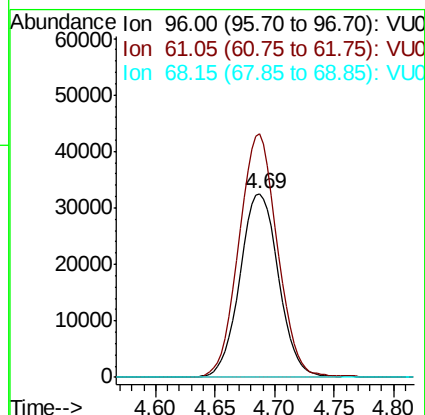
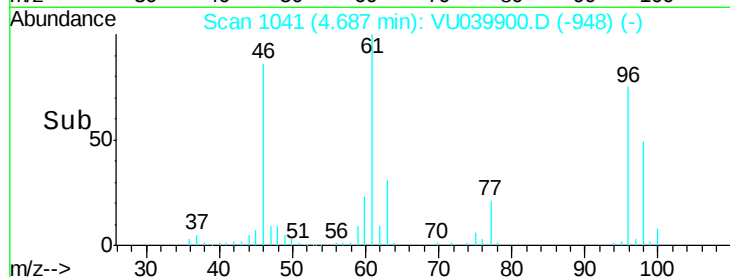
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039900.D (-948) (-)

Ion 61.05 (60.75 to 61.75): VU039900.D (-948) (-)

Ion 68.15 (67.85 to 68.85): VU039900.D (-948) (-)



#23

Bromochloromethane

Concen: 13.283 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU039900.D

Acq: 19 Aug 2020 10:43

Tgt Ion: 128 Resp: 34974

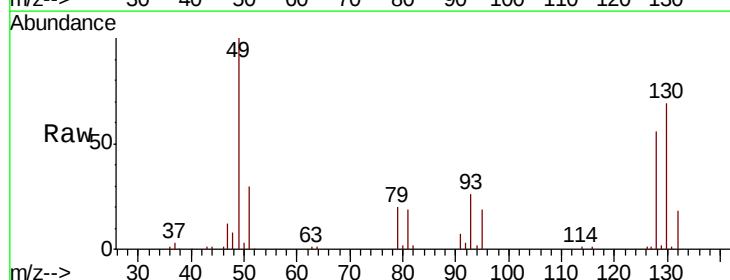
Ion Ratio Lower Upper

128 100

49 179.4 121.2 225.2

130 123.2 90.2 167.6

51 54.1 47.2 70.8

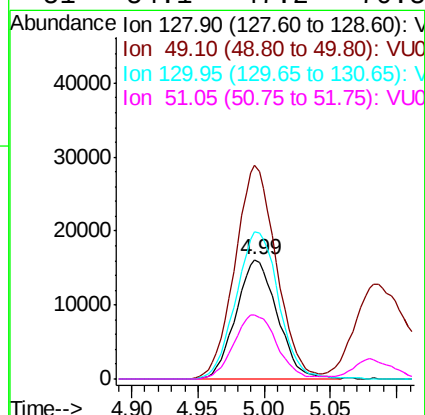
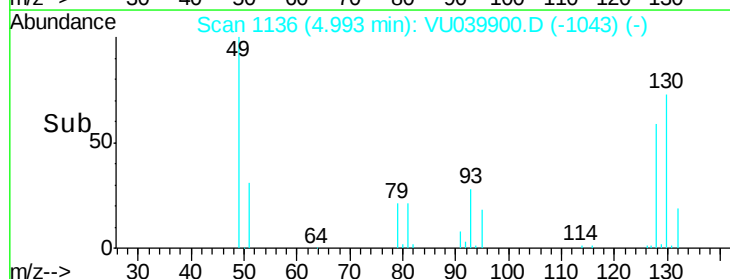


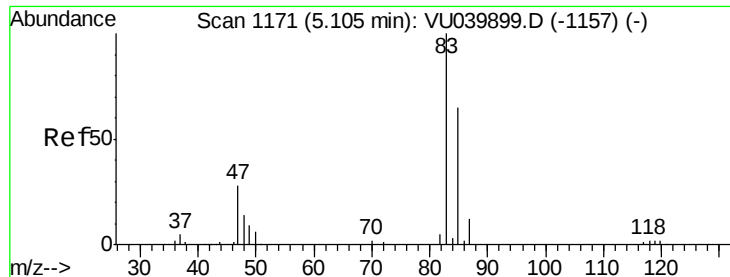
Abundance Ion 127.90 (127.60 to 128.60): VU039900.D (-1043) (-)

Ion 49.10 (48.80 to 49.80): VU039900.D (-1043) (-)

Ion 129.95 (129.65 to 130.65): VU039900.D (-1043) (-)

Ion 51.05 (50.75 to 51.75): VU039900.D (-1043) (-)

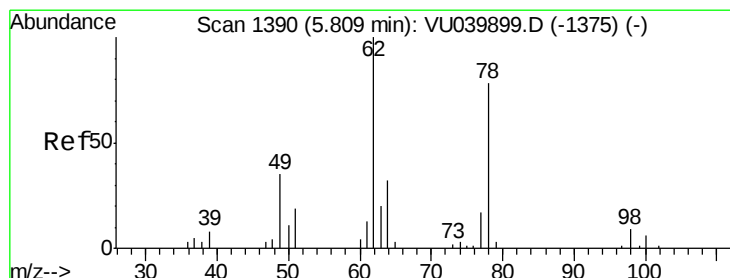
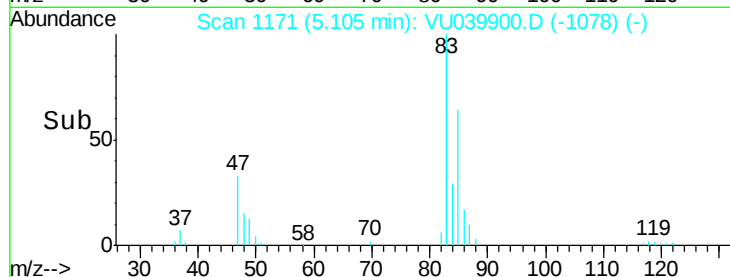
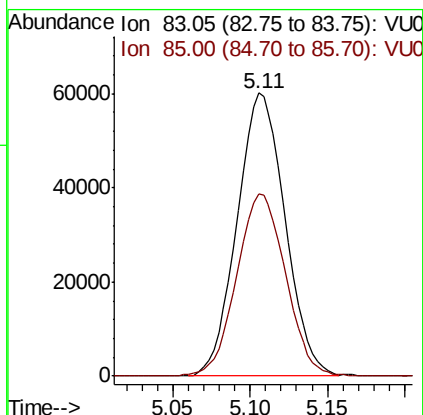
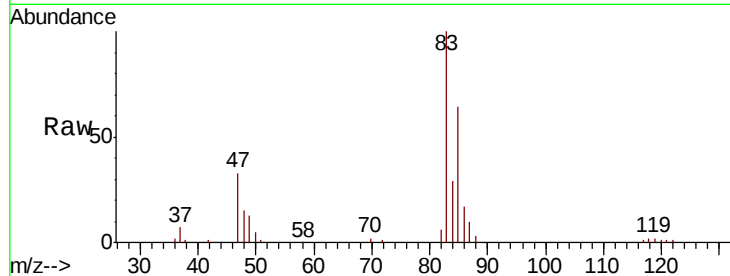




#25
Chloroform
Concen: 12.746 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU039900.D
Acq: 19 Aug 2020 10:43

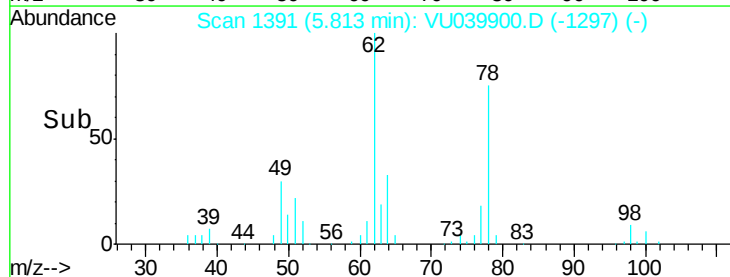
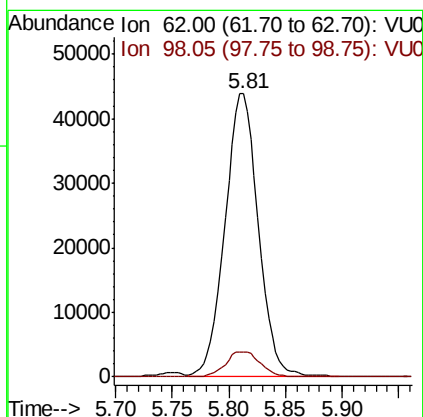
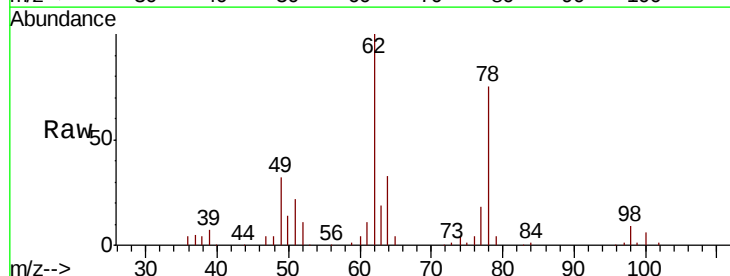
Instrument :
MSVOA_U
ClientSampleId :
VSTD01005

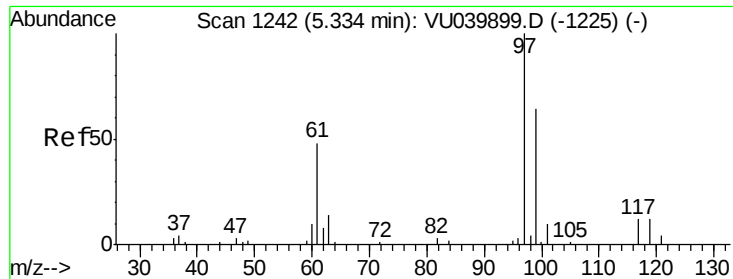
Tot Ion: 83 Resp: 129782
Ion Ratio Lower Upper
83 100
85 64.5 46.4 86.2



#27
1,2-Dichloroethane
Concen: 12.783 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VU039900.D
Acq: 19 Aug 2020 10:43

Tgt Ion: 62 Resp: 90242
Ion Ratio Lower Upper
62 100
98 8.6 7.4 11.2



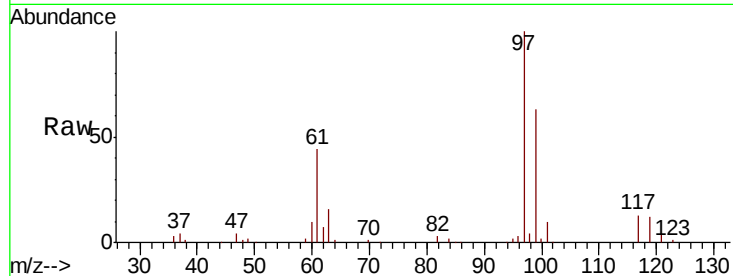


#29
 1,1,1-Trichloroethane
 Concen: 13.784 ug/L
 RT: 5.34 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: VU039900.D
 Acq: 19 Aug 2020 10:43

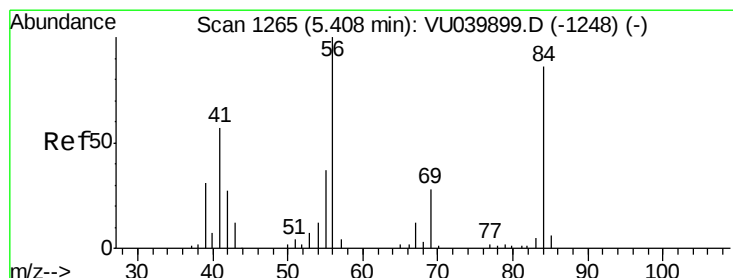
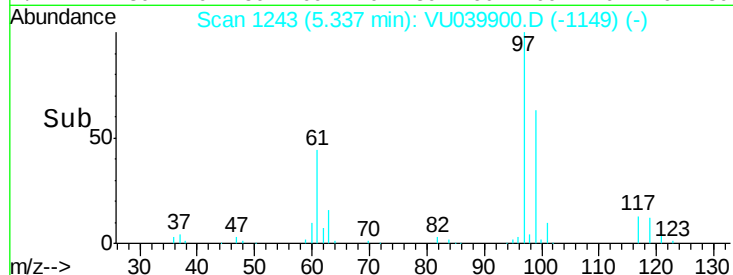
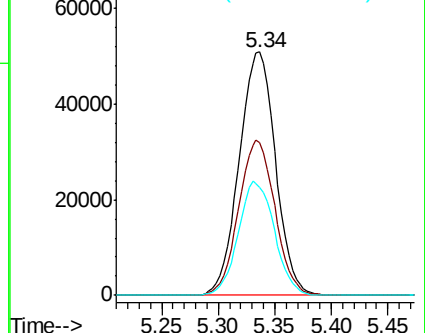
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01005

Tot Ion: 97 Resp: 114035

Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.4	77.2
61	46.5	39.1	58.7



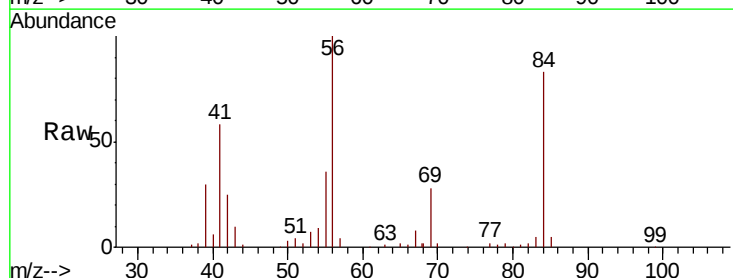
Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0



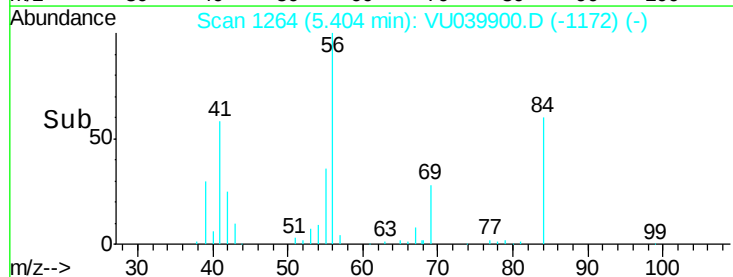
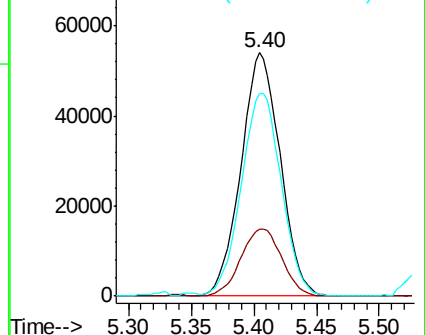
#30
 Cyclohexane
 Concen: 14.501 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VU039900.D
 Acq: 19 Aug 2020 10:43

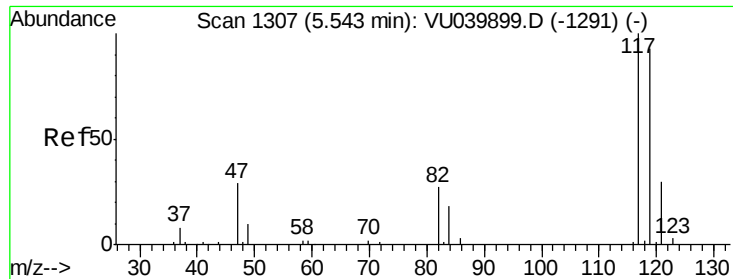
Tgt Ion: 56 Resp: 117500

Ion	Ratio	Lower	Upper
56	100		
69	28.8	23.1	34.7
84	85.2	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

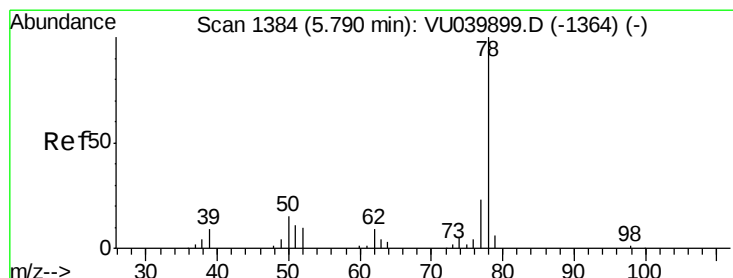
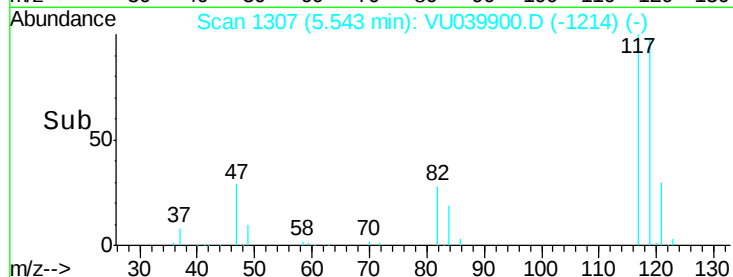
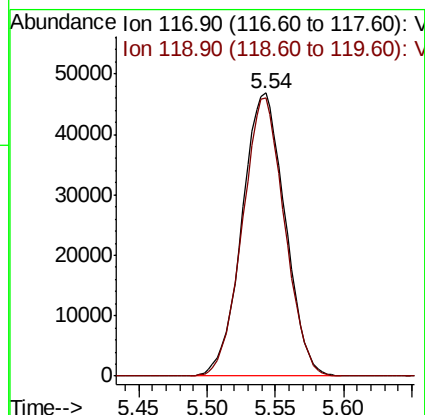
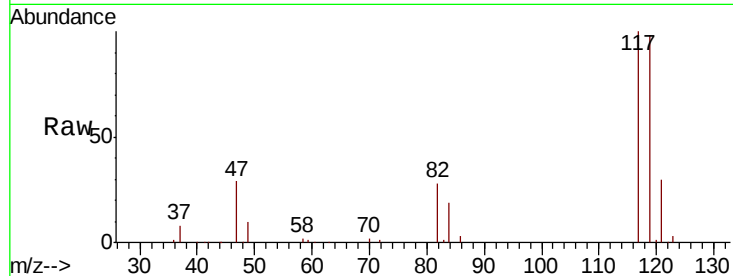




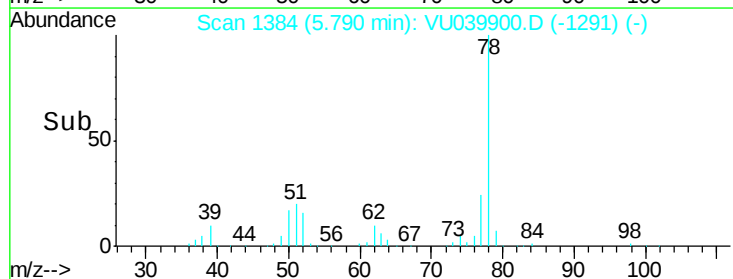
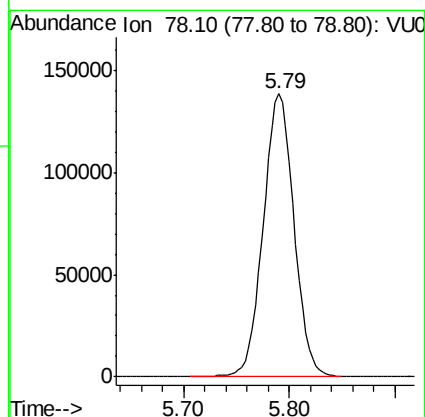
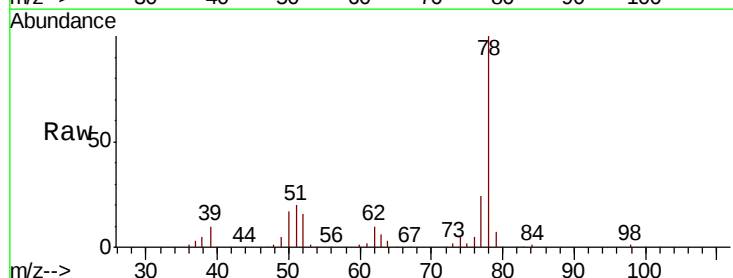
#31
Carbon tetrachloride
Concen: 13.622 ug/L
RT: 5.54 min Scan# 1307
Delta R.T. 0.00 min
Lab File: VU039900.D
Acq: 19 Aug 2020 10:43

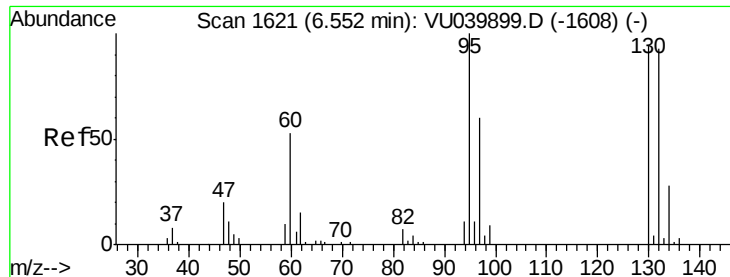
Instrument :
MSVOA_U
ClientSampleId :
VSTD01005

Tot Ion:117 Resp: 102524
Ion Ratio Lower Upper
117 100
119 96.0 77.6 116.4



#33
Benzene
Concen: 13.840 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU039900.D
Acq: 19 Aug 2020 10:43
Tgt Ion: 78 Resp: 281010





#34

Trichloroethene

Concen: 13.401 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU039900.D

Acq: 19 Aug 2020 10:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD01005

Tot Ion: 95 Resp: 70400

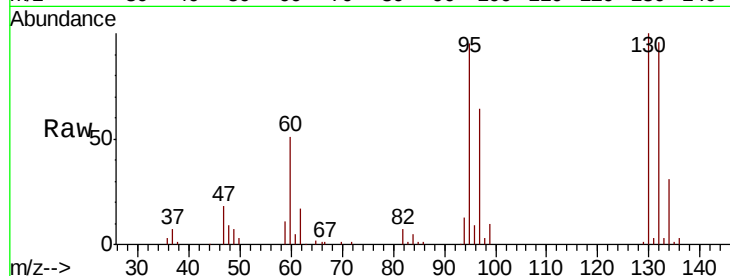
Ion Ratio Lower Upper

95 100

97 66.6 42.0 78.0

132 100.5 65.0 120.8

130 104.8 65.5 121.7

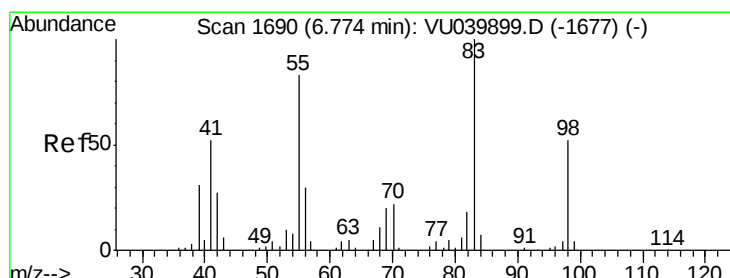
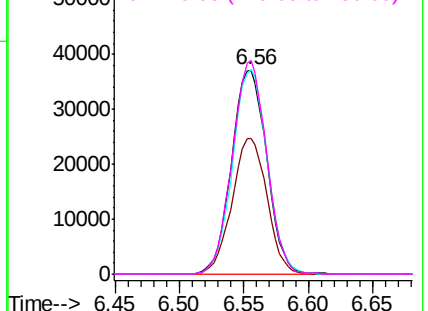
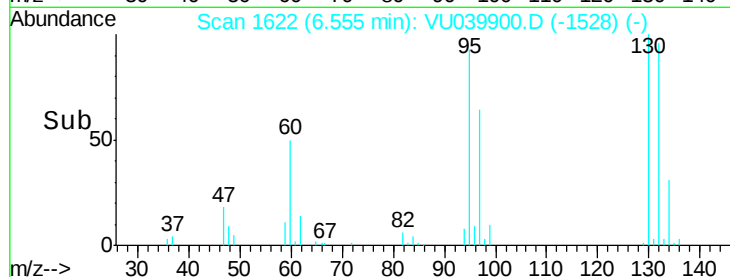


Abundance Ion 95.00 (94.70 to 95.70): VU039900.D (-1528) (-)

Ion 96.95 (96.65 to 97.65): VU039900.D (-1528) (-)

Ion 131.95 (131.65 to 132.65): VU039900.D (-1528) (-)

Ion 129.95 (129.65 to 130.65): VU039900.D (-1528) (-)



#35

Methylcyclohexane

Concen: 14.101 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VU039900.D

Acq: 19 Aug 2020 10:43

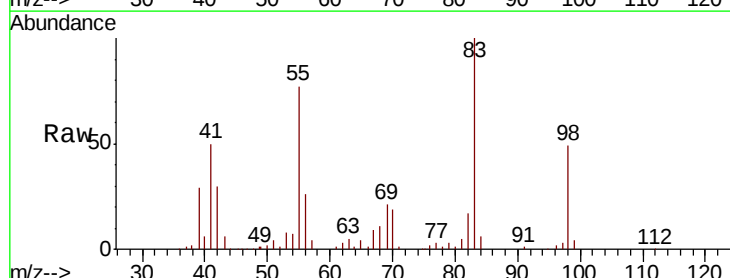
Tgt Ion: 83 Resp: 117372

Ion Ratio Lower Upper

83 100

55 78.3 64.1 96.1

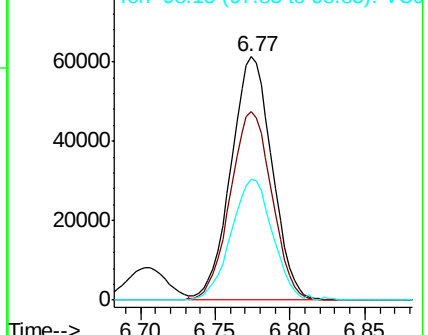
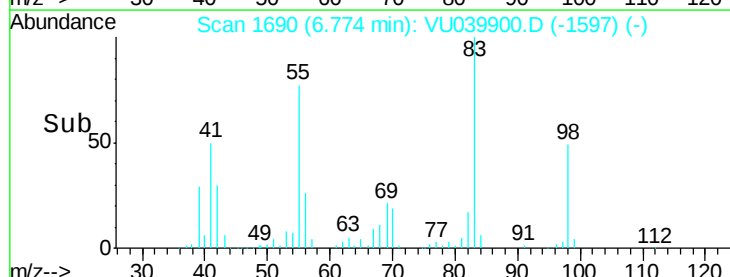
98 50.1 39.4 59.0

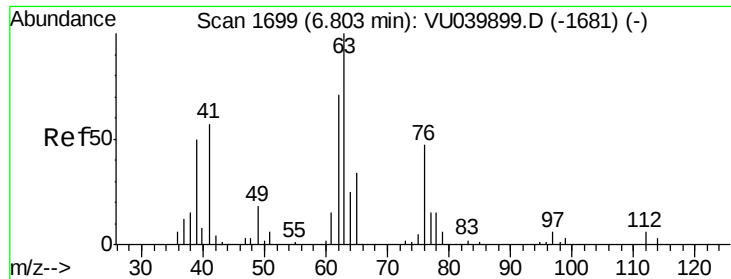


Abundance Ion 83.15 (82.85 to 83.85): VU039900.D (-1597) (-)

Ion 55.10 (54.80 to 55.80): VU039900.D (-1597) (-)

Ion 98.15 (97.85 to 98.85): VU039900.D (-1597) (-)

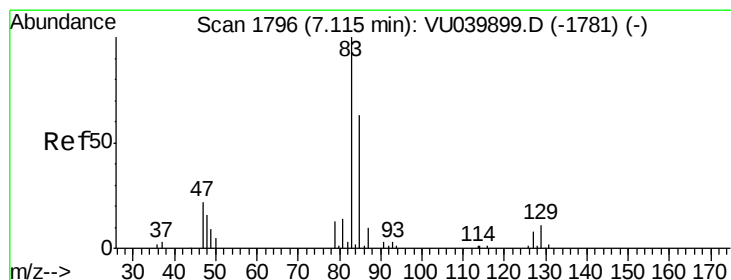
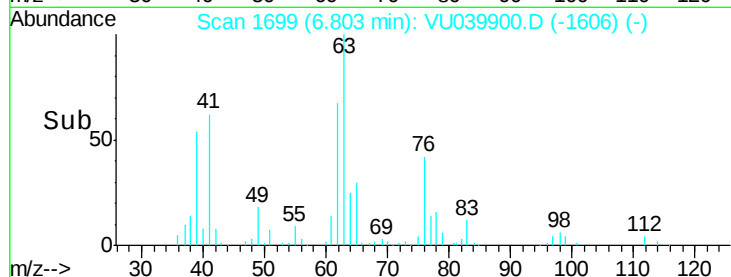
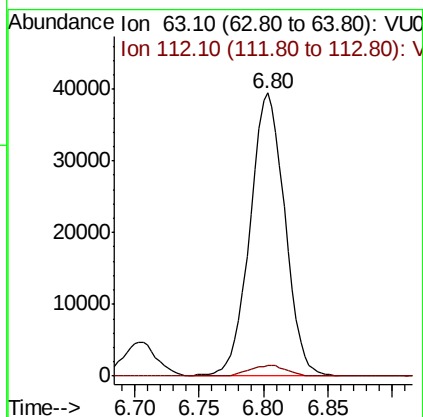
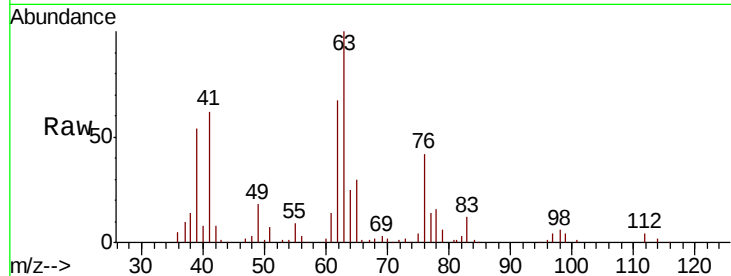




#37
 1,2-Dichloropropane
 Concen: 13.697 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU039900.D
 Acq: 19 Aug 2020 10:43

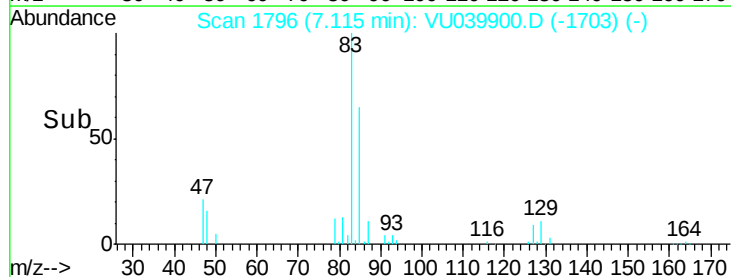
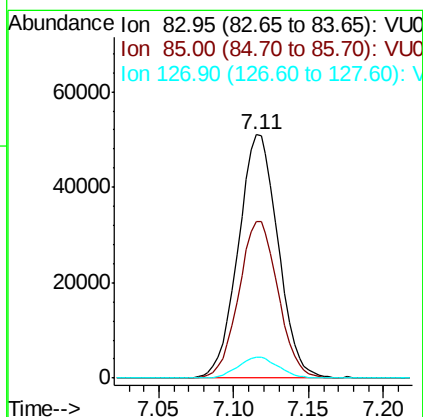
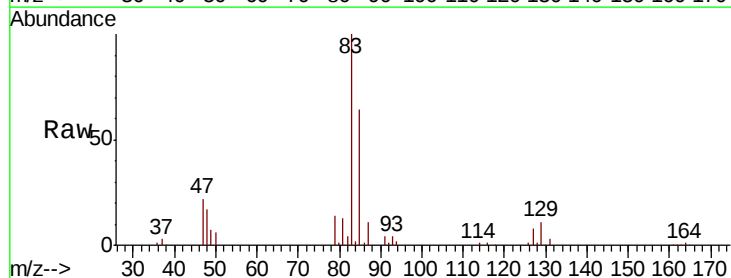
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01005

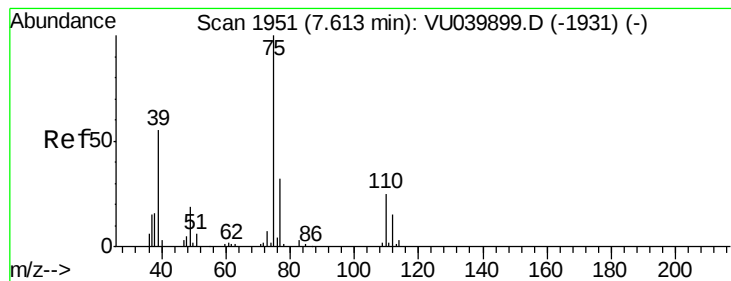
Tot Ion: 63 Resp: 73993
 Ion Ratio Lower Upper
 63 100
 112 4.0 4.1 6.1#



#38
 Bromodichloromethane
 Concen: 13.419 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VU039900.D
 Acq: 19 Aug 2020 10:43

Tgt Ion: 83 Resp: 94413
 Ion Ratio Lower Upper
 83 100
 85 64.1 44.3 82.3
 127 8.5 6.7 10.1



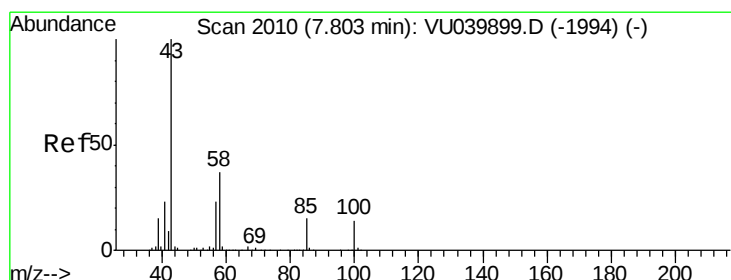
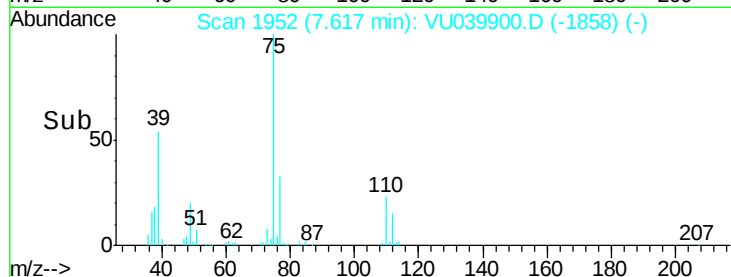
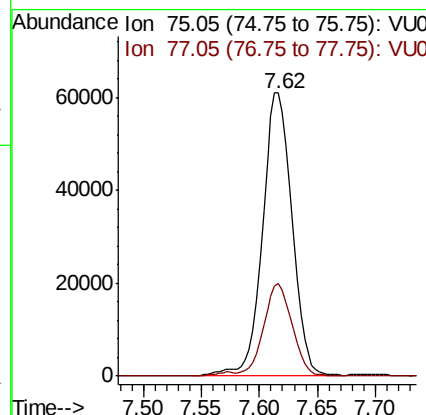
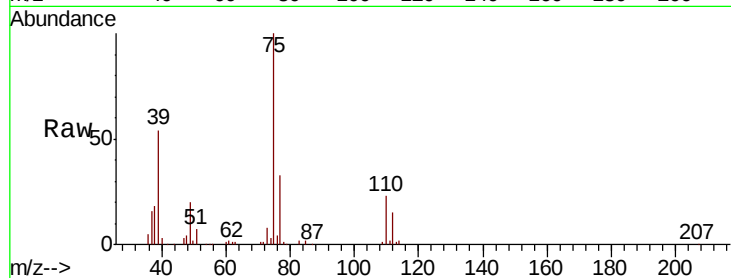


#39

cis-1,3-Dichloropropene
 Concen: 14.629 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU039900.D
 Acq: 19 Aug 2020 10:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01005

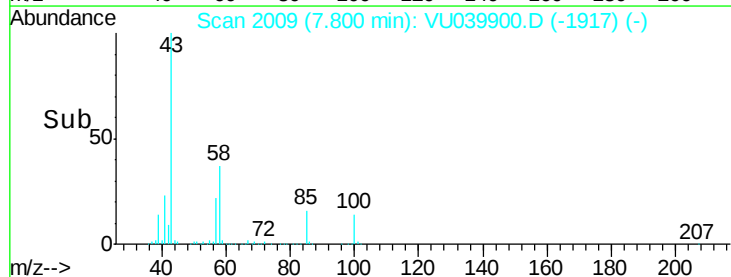
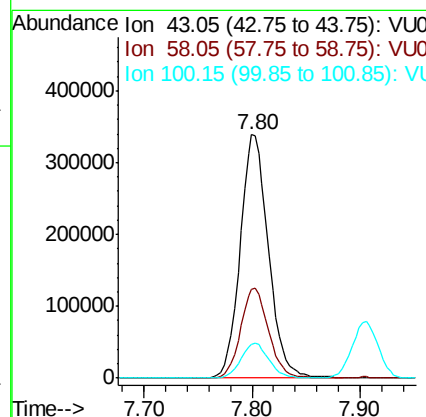
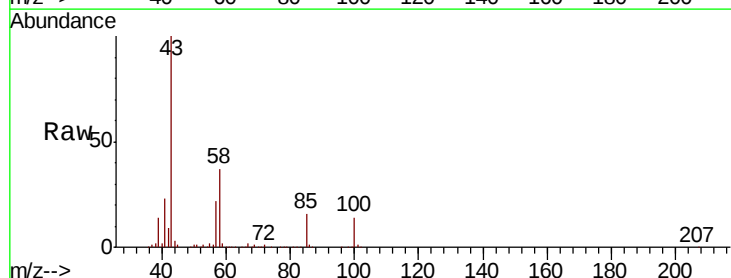
Tot Ion: 75 Resp: 108859
 Ion Ratio Lower Upper
 75 100
 77 32.7 22.6 42.0

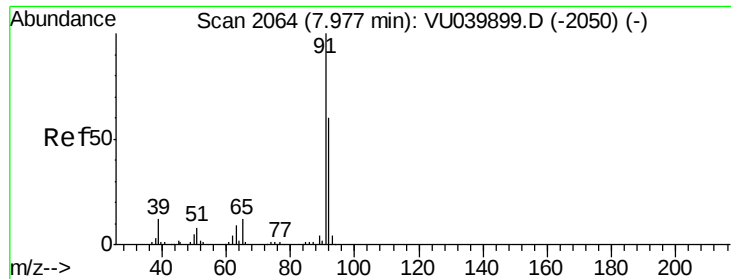


#40

4-Methyl-2-pentanone
 Concen: 151.983 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. -0.00 min
 Lab File: VU039900.D
 Acq: 19 Aug 2020 10:43

Tgt Ion: 43 Resp: 618728
 Ion Ratio Lower Upper
 43 100
 58 36.5 29.7 44.5
 100 14.2 11.2 16.8





#42

Toluene

Concen: 13.687 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU039900.D

Acq: 19 Aug 2020 10:43

Instrument :

MSVOA_U

ClientSampleId :

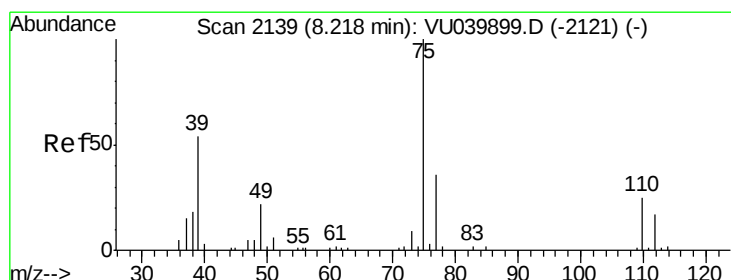
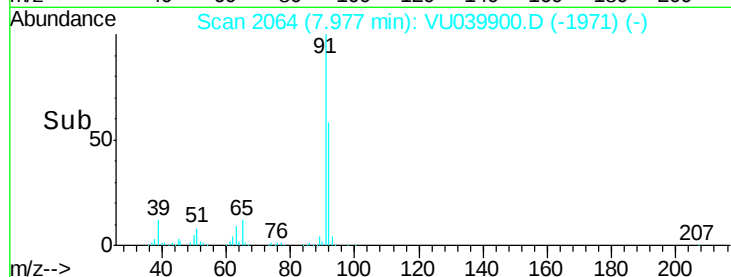
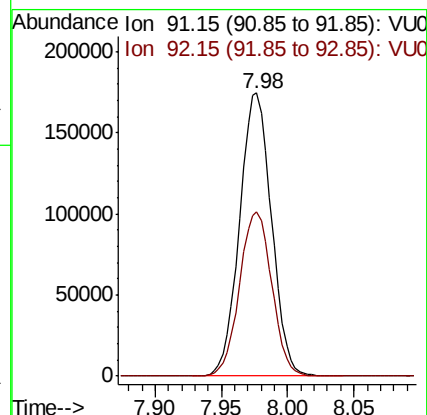
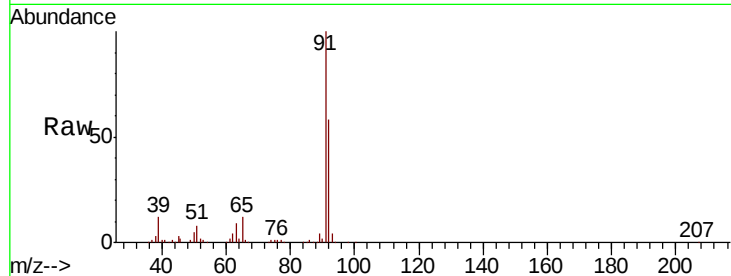
VSTD01005

Tot Ion: 91 Resp: 292027

Ion Ratio Lower Upper

91 100

92 58.0 42.3 78.5



#44

trans-1,3-Dichloropropene

Concen: 15.249 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU039900.D

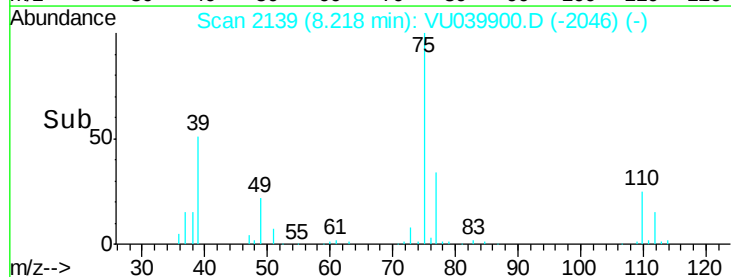
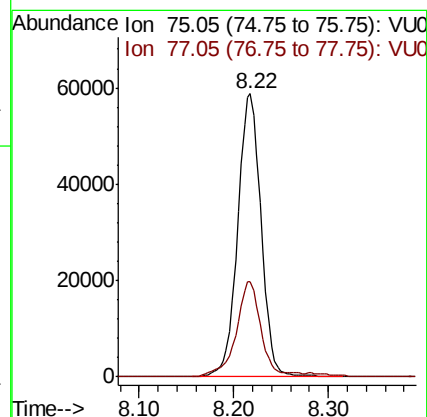
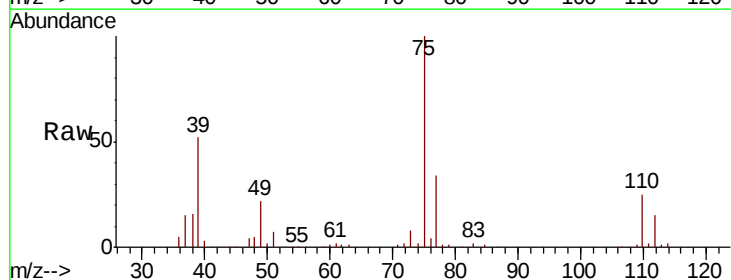
Acq: 19 Aug 2020 10:43

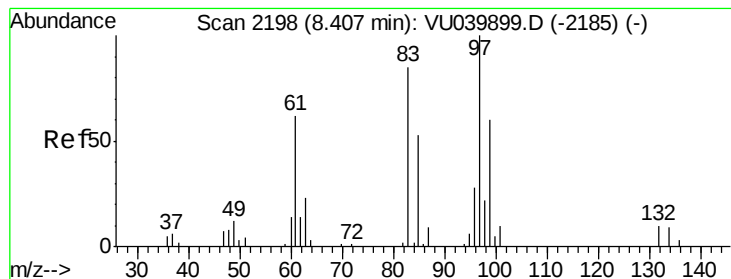
Tgt Ion: 75 Resp: 100934

Ion Ratio Lower Upper

75 100

77 33.7 25.3 46.9





#45

1,1,2-Trichloroethane

Concen: 13.780 ug/L

RT: 8.41 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VU039900.D

Acq: 19 Aug 2020 10:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD01005

Tot Ion: 97 Resp: 55624

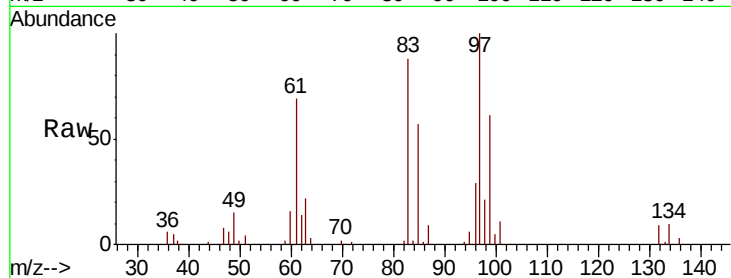
Ion Ratio Lower Upper

97 100

99 61.2 42.1 78.3

83 88.0 59.3 110.1

85 57.0 37.2 69.2

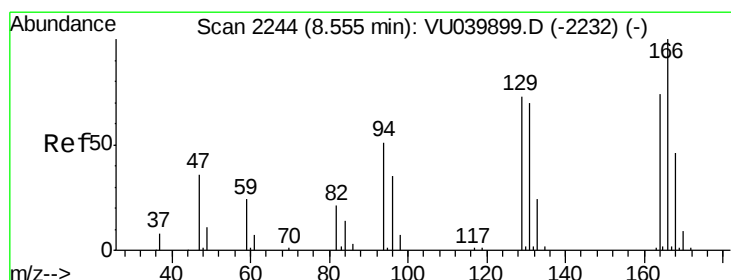
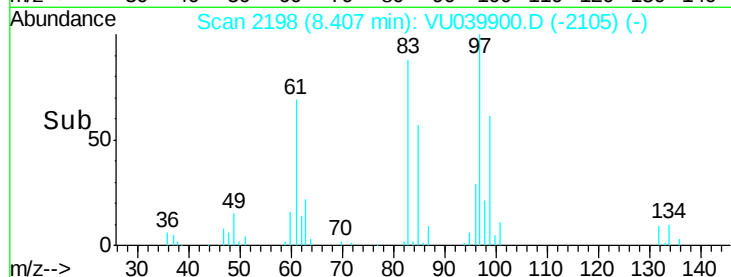
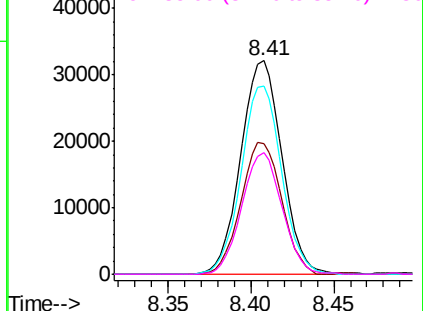


Abundance Ion 96.95 (96.65 to 97.65): VU039899.D (-2185) (-)

Ion 99.05 (98.75 to 99.75): VU039899.D (-2185) (-)

Ion 82.95 (82.65 to 83.65): VU039899.D (-2185) (-)

Ion 85.00 (84.70 to 85.70): VU039899.D (-2185) (-)



#47

Tetrachloroethene

Concen: 13.024 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VU039900.D

Acq: 19 Aug 2020 10:43

Tgt Ion: 164 Resp: 55576

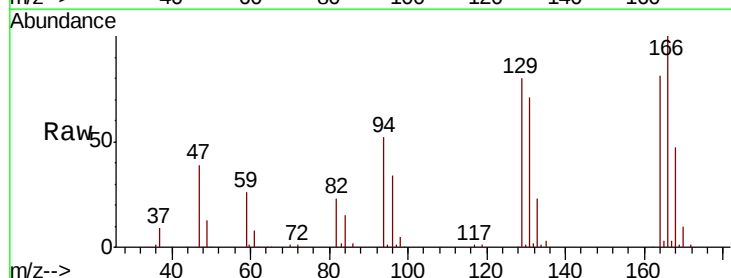
Ion Ratio Lower Upper

164 100

129 99.1 69.1 128.3

131 88.3 66.0 122.6

166 124.1 94.0 174.6

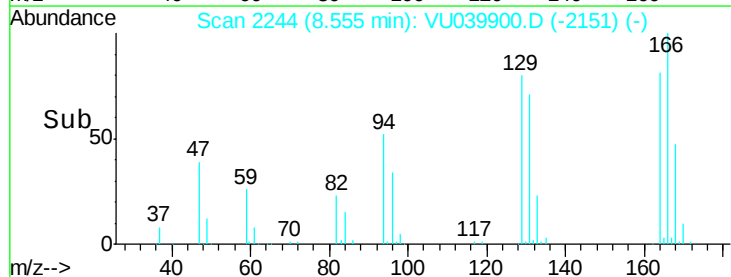
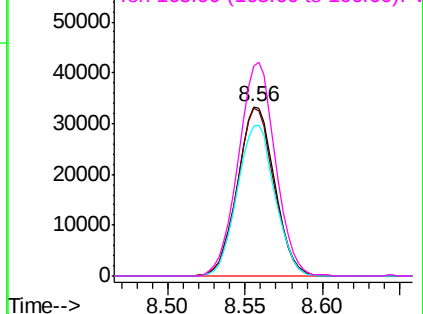


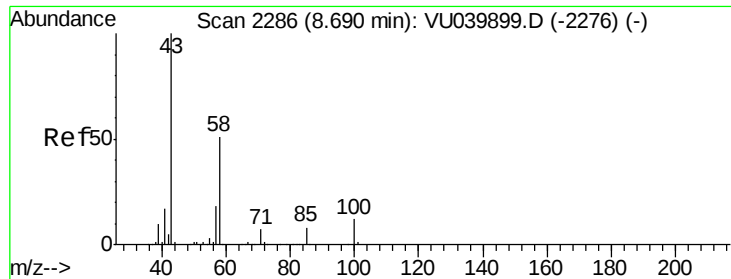
Abundance Ion 163.90 (163.60 to 164.60): VU039899.D (-2232) (-)

Ion 128.95 (128.65 to 129.65): VU039899.D (-2232) (-)

Ion 130.95 (130.65 to 131.65): VU039899.D (-2232) (-)

Ion 165.90 (165.60 to 166.60): VU039899.D (-2232) (-)

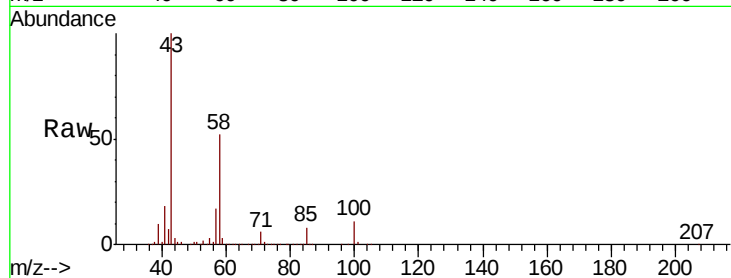




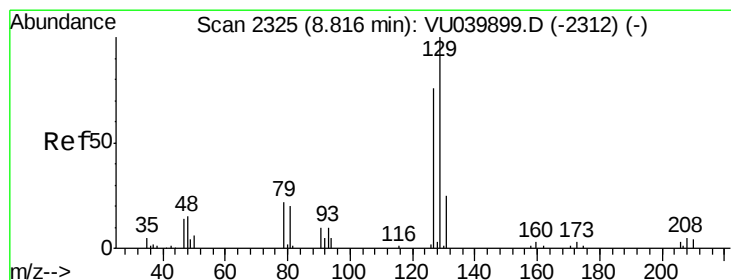
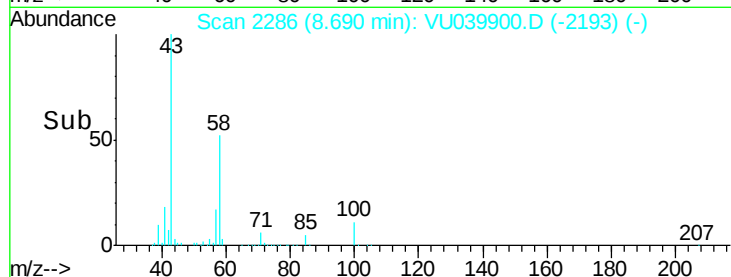
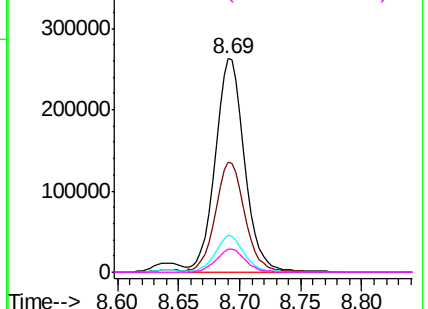
#48
2-Hexanone
Concen: 150.773 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU039900.D
Acq: 19 Aug 2020 10:43

Instrument :
MSVOA_U
ClientSampleId :
VSTD01005

Tot Ion:	43	Resp:	442337
Ion	Ratio	Lower	Upper
43	100		
58	52.2	41.3	61.9
57	16.8	14.1	21.1
100	11.0	9.1	13.7

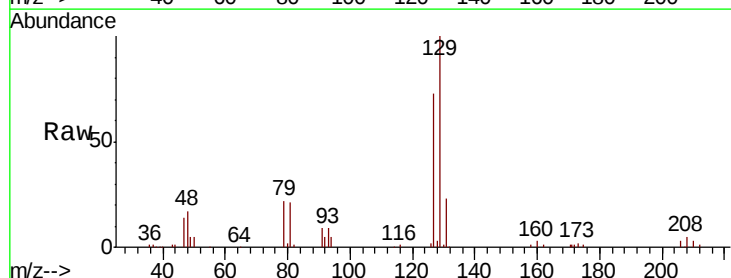


Abundance Ion 43.05 (42.75 to 43.75): VU039900.D (-2193) (-)
Ion 58.05 (57.75 to 58.75): VU039900.D (-2193) (-)
Ion 57.20 (56.90 to 57.90): VU039900.D (-2193) (-)
Ion 100.15 (99.85 to 100.85): VU039900.D (-2193) (-)

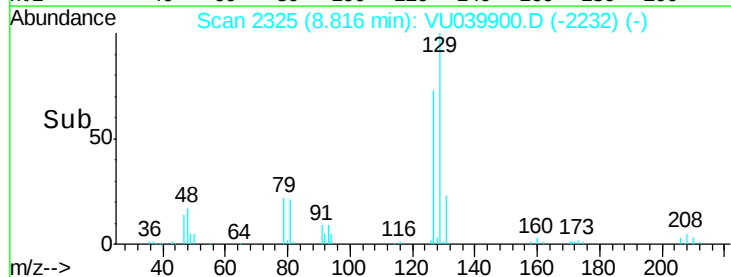
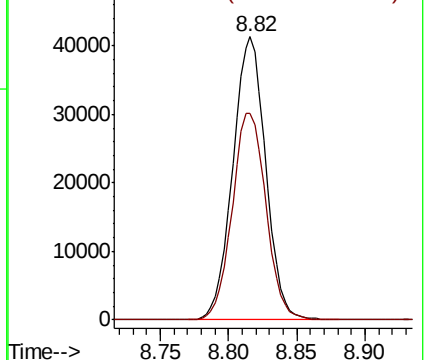


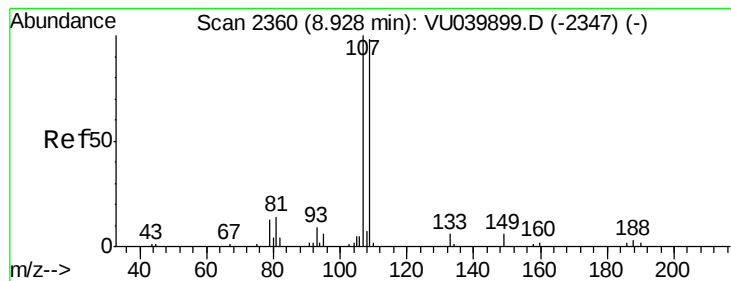
#49
Dibromochloromethane
Concen: 14.007 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU039900.D
Acq: 19 Aug 2020 10:43

Tgt Ion:	129	Resp:	69152
Ion	Ratio	Lower	Upper
129	100		
127	73.2	53.1	98.7



Abundance Ion 128.95 (128.65 to 129.65): VU039900.D (-2232) (-)
Ion 126.90 (126.60 to 127.60): VU039900.D (-2232) (-)





#50

1,2-Dibromoethane

Concen: 14.069 ug/L

RT: 8.93 min Scan# 2360

Delta R.T. 0.00 min

Lab File: VU039900.D

Acq: 19 Aug 2020 10:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD01005

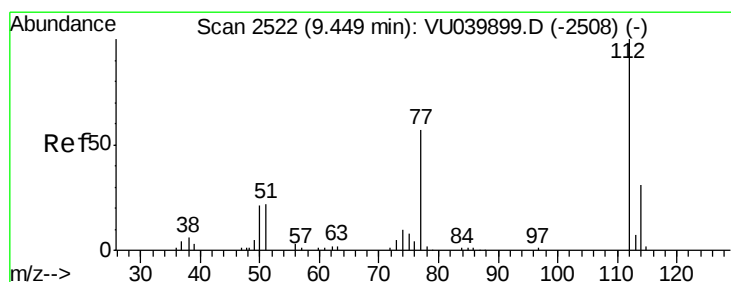
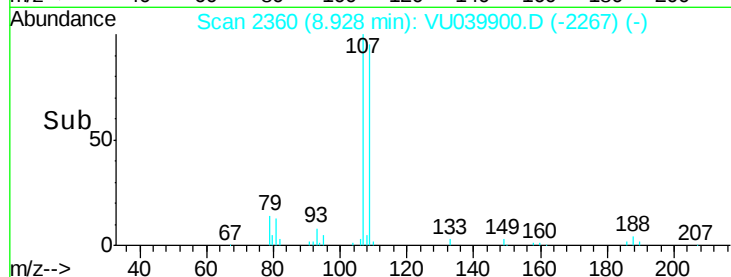
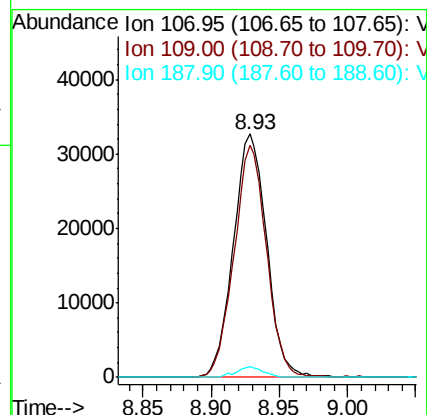
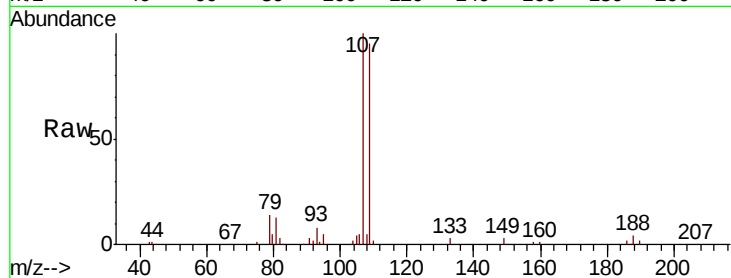
Tot Ion:107 Resp: 55332

Ion Ratio Lower Upper

107 100

109 95.4 68.3 126.9

188 4.1 2.2 3.4#



#51

Chlorobenzene

Concen: 13.285 ug/L

RT: 9.45 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VU039900.D

Acq: 19 Aug 2020 10:43

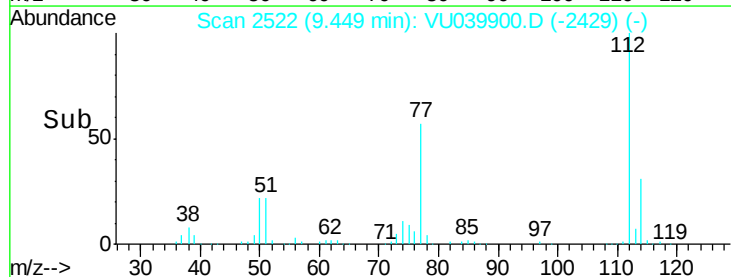
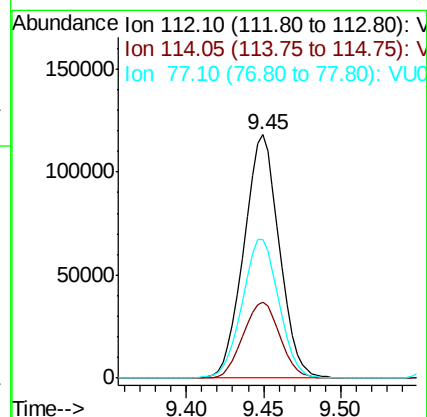
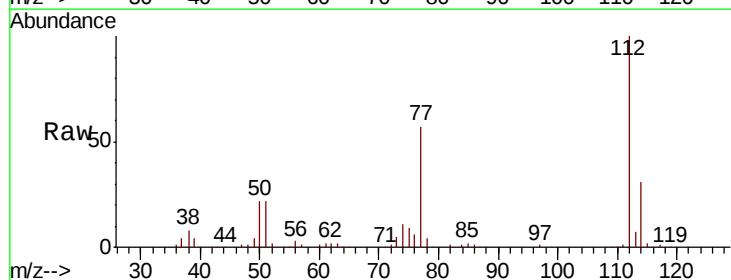
Tgt Ion:112 Resp: 188262

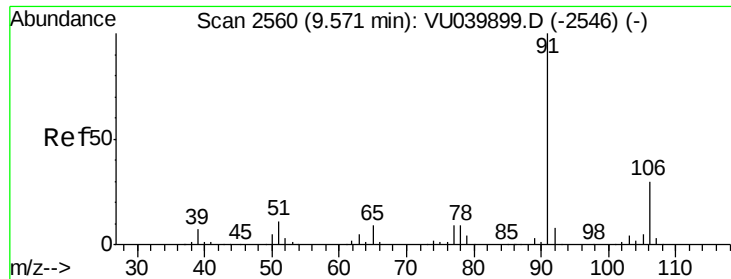
Ion Ratio Lower Upper

112 100

114 31.2 21.8 40.4

77 56.9 45.4 68.0





#52

Ethylbenzene

Concen: 13.682 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU039900.D

Acq: 19 Aug 2020 10:43

Instrument :

MSVOA_U

ClientSampleId :

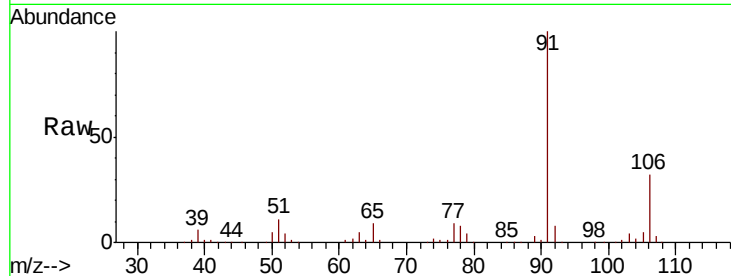
VSTD01005

Tot Ion: 91 Resp: 323283

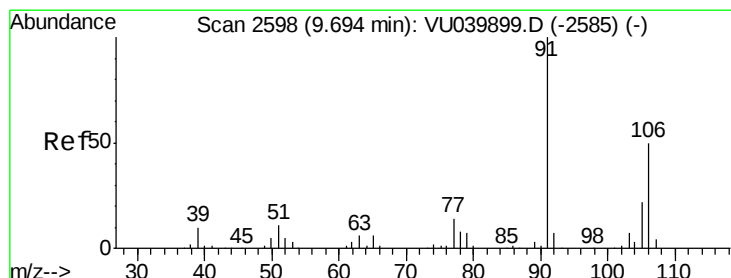
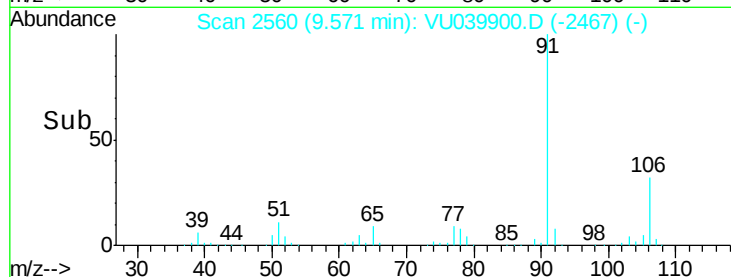
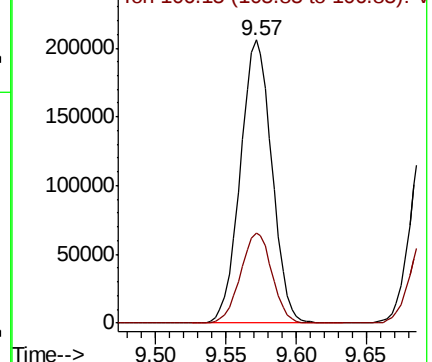
Ion Ratio Lower Upper

91 100

106 31.8 21.2 39.4



Abundance Ion 91.15 (90.85 to 91.85): VU039900.D (-2467) (-)



#53

m,p-Xylene

Concen: 13.948 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU039900.D

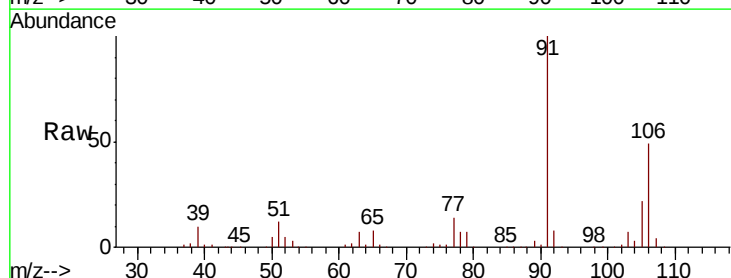
Acq: 19 Aug 2020 10:43

Tgt Ion: 106 Resp: 125569

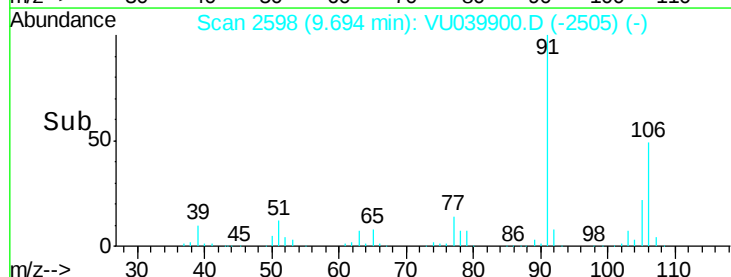
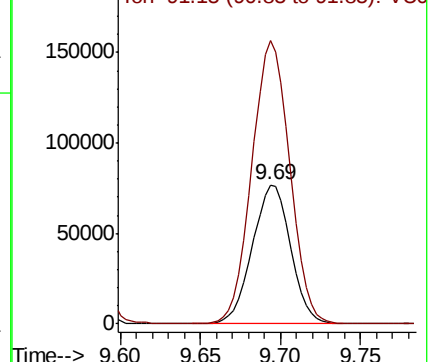
Ion Ratio Lower Upper

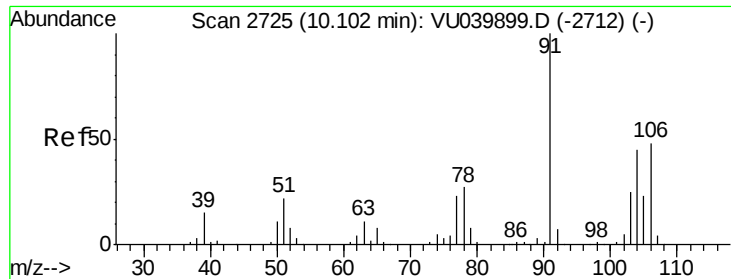
106 100

91 203.4 139.8 259.6



Abundance Ion 106.15 (105.85 to 106.85): VU039900.D (-2505) (-)

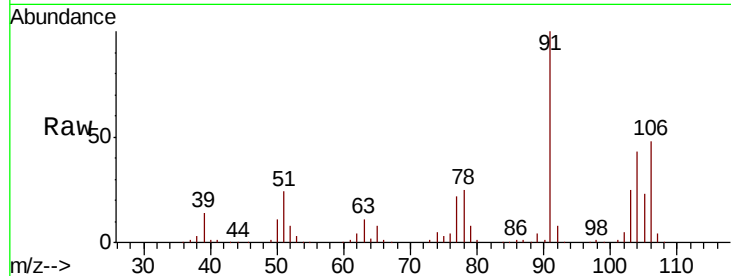




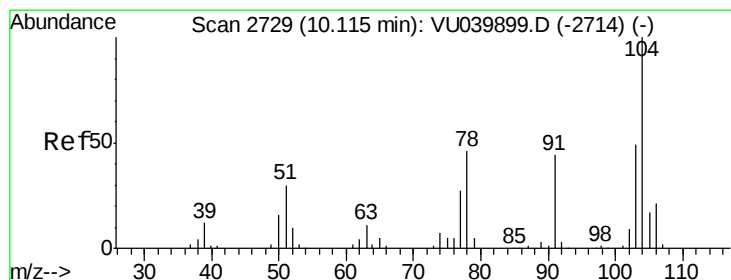
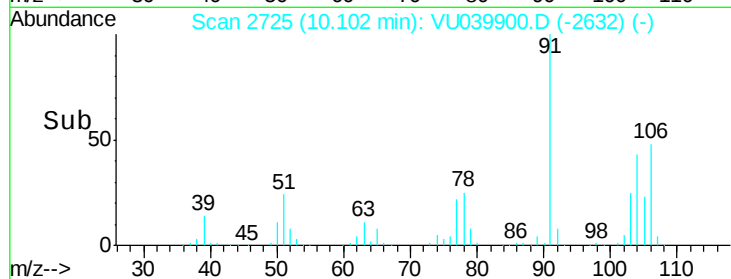
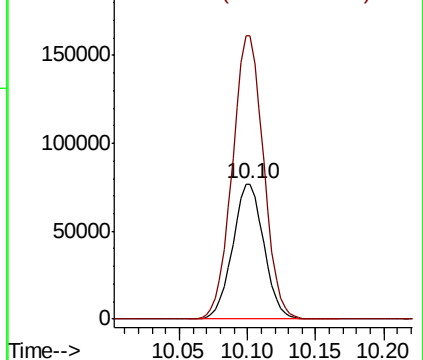
#54
o-Xylene
Concen: 13.965 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU039900.D
Acq: 19 Aug 2020 10:43

Instrument :
MSVOA_U
ClientSampleId :
VSTD01005

Tot Ion:106 Resp: 122367
Ion Ratio Lower Upper
106 100
91 209.0 144.6 268.6

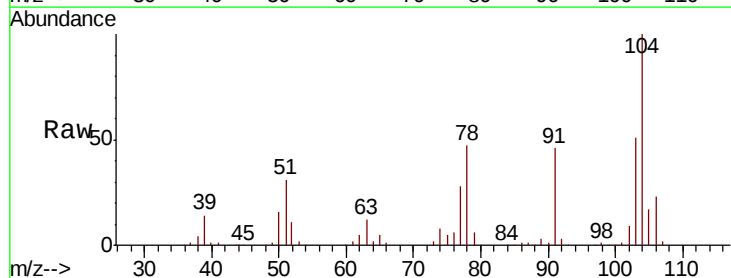


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

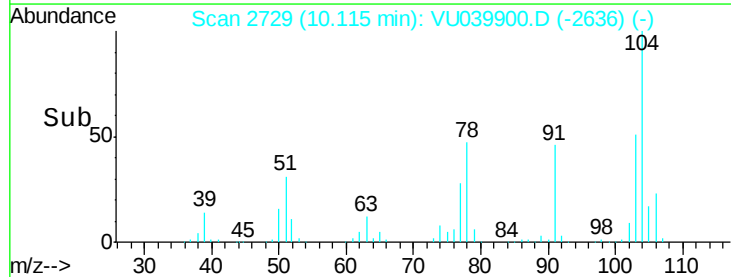
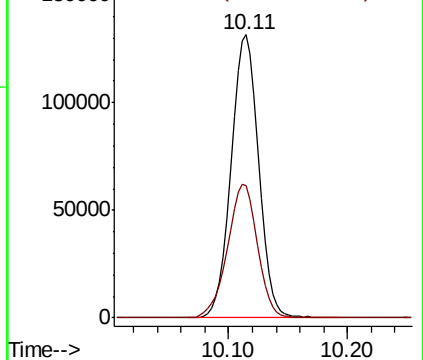


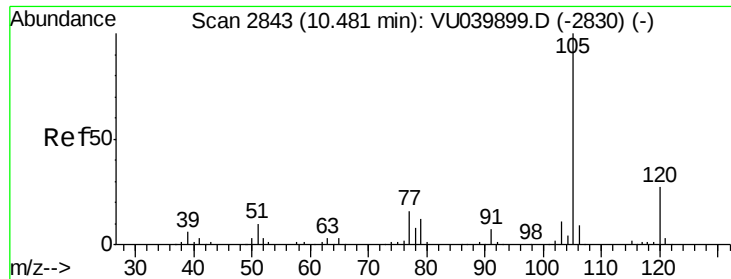
#55
Styrene
Concen: 14.145 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU039900.D
Acq: 19 Aug 2020 10:43

Tgt Ion:104 Resp: 210725
Ion Ratio Lower Upper
104 100
78 46.8 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: 13.651 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. 0.00 min

Lab File: VU039900.D

Acq: 19 Aug 2020 10:43

Instrument :

MSVOA_U

ClientSampled :

VSTD01005

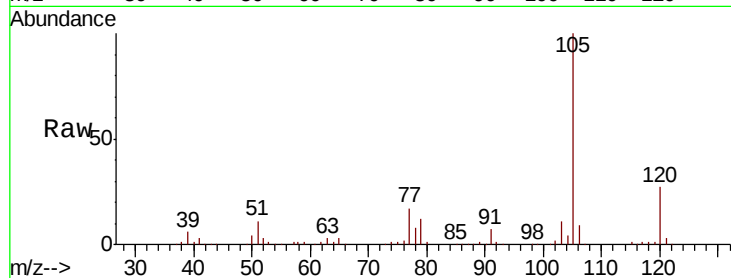
Tot Ion:105 Resp: 320240

Ion Ratio Lower Upper

105 100

120 27.3 21.5 32.3

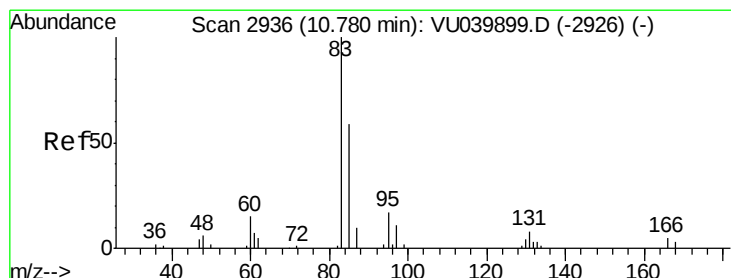
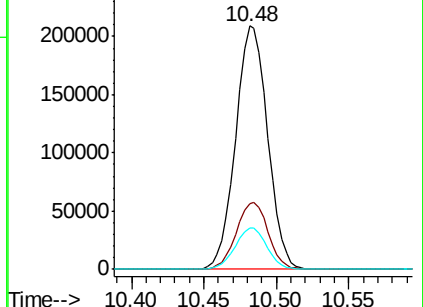
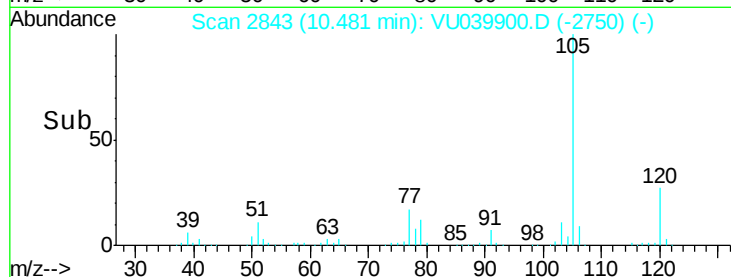
77 16.8 13.0 19.6



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: 13.405 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU039900.D

Acq: 19 Aug 2020 10:43

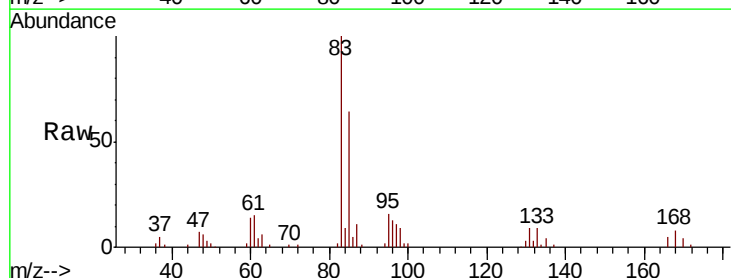
Tgt Ion: 83 Resp: 73750

Ion Ratio Lower Upper

83 100

85 63.7 42.8 79.6

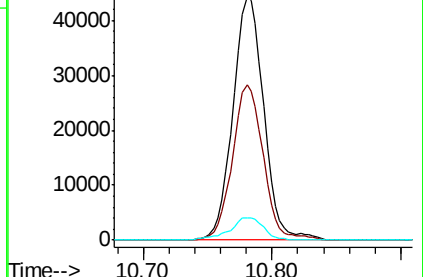
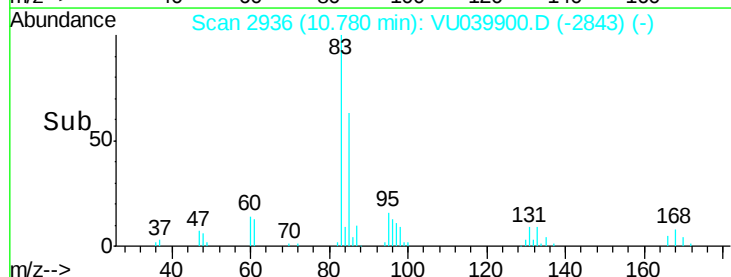
131 9.3 7.4 11.2

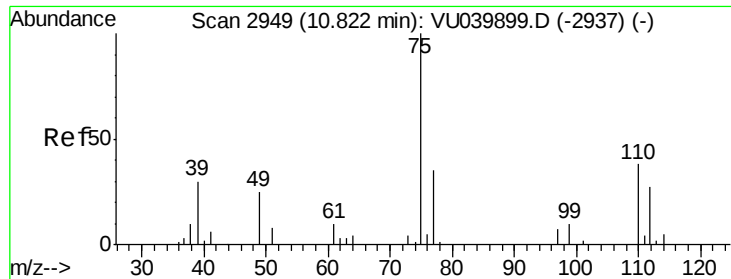


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 13.862 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU039900.D

Acq: 19 Aug 2020 10:43

Instrument :

MSVOA_U

ClientSampleId :

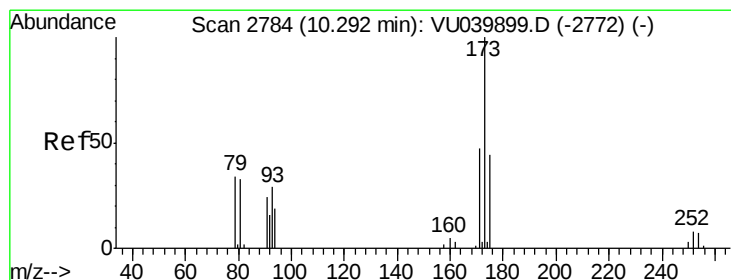
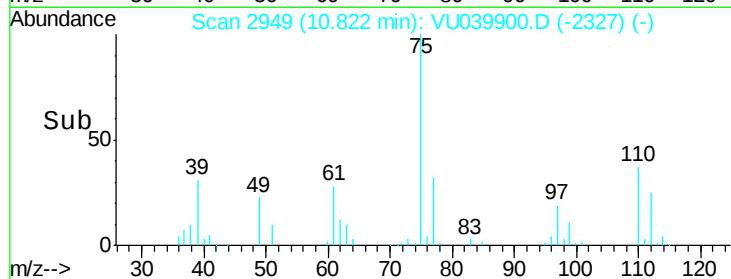
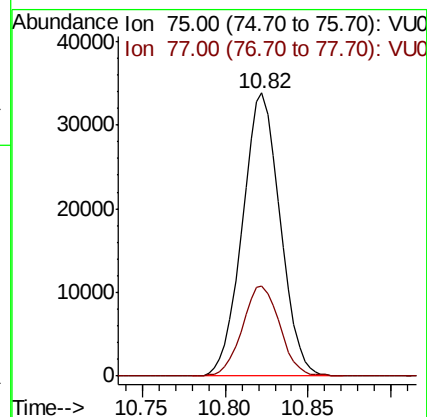
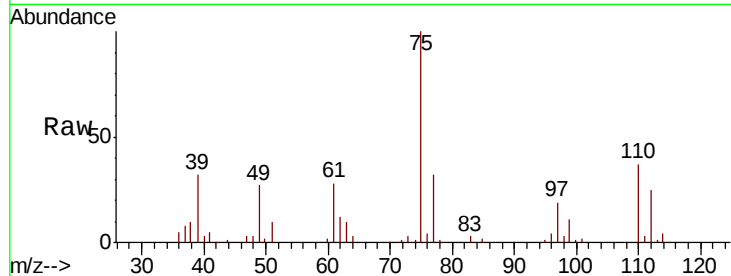
VSTD01005

Tot Ion: 75 Resp: 53485

Ion Ratio Lower Upper

75 100

77 31.7 27.4 41.2



#61

Bromoform

Concen: 14.016 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU039900.D

Acq: 19 Aug 2020 10:43

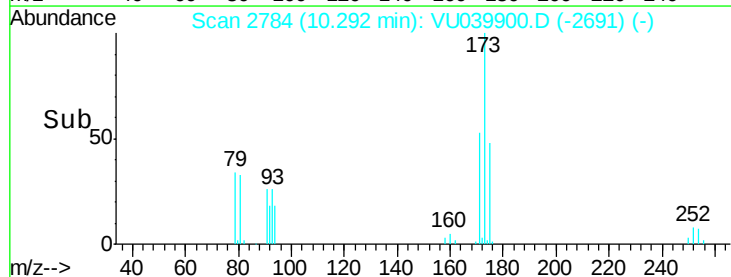
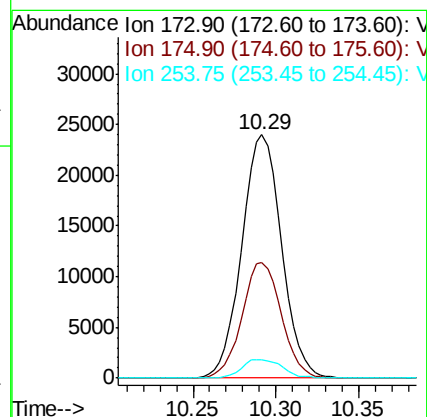
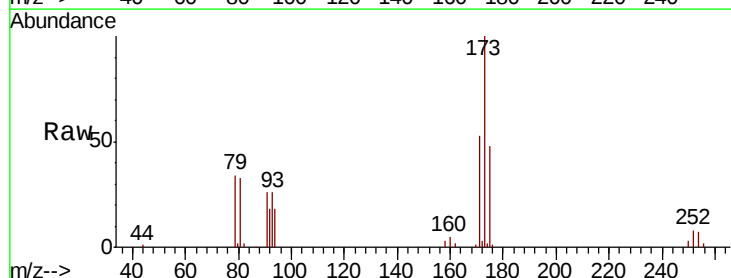
Tgt Ion: 173 Resp: 40130

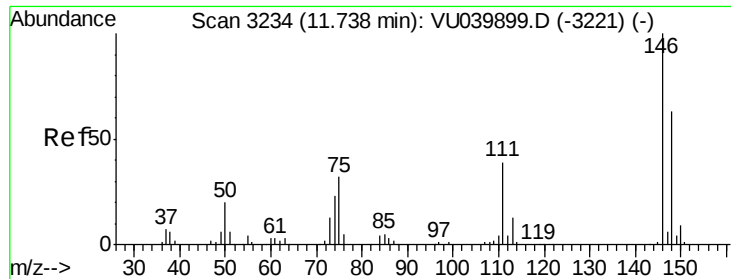
Ion Ratio Lower Upper

173 100

175 46.9 37.6 56.4

254 7.9 5.8 8.8

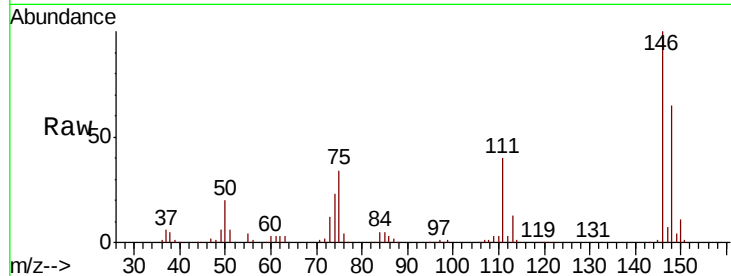




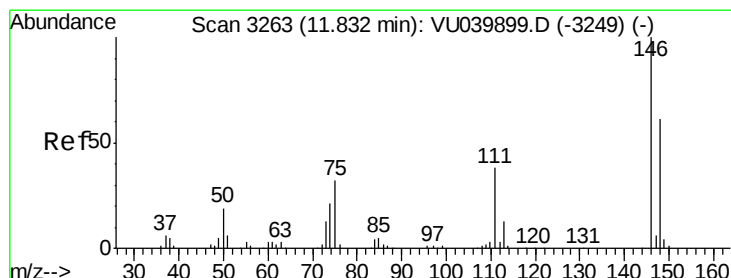
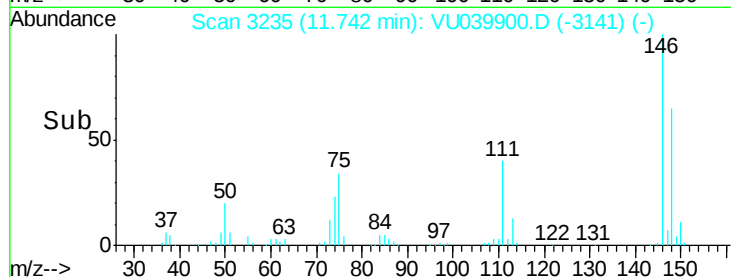
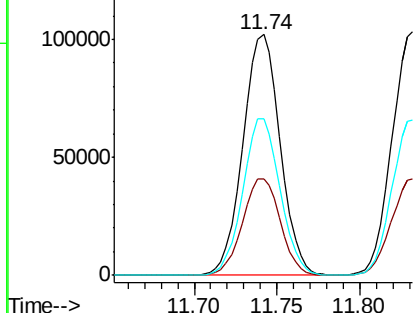
#62
 1,3-Dichlorobenzene
 Concen: 12.964 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU039900.D
 Acq: 19 Aug 2020 10:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01005

Tot Ion:146 Resp: 159554
 Ion Ratio Lower Upper
 146 100
 111 40.2 27.6 51.4
 148 65.3 43.8 81.4

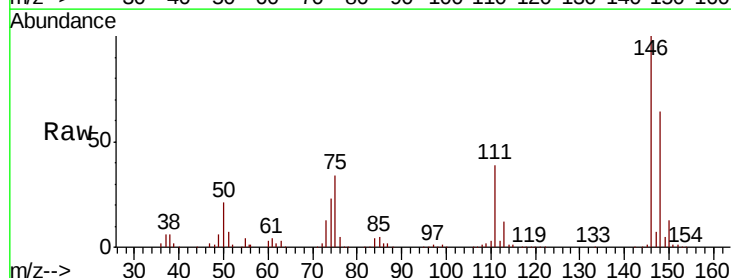


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

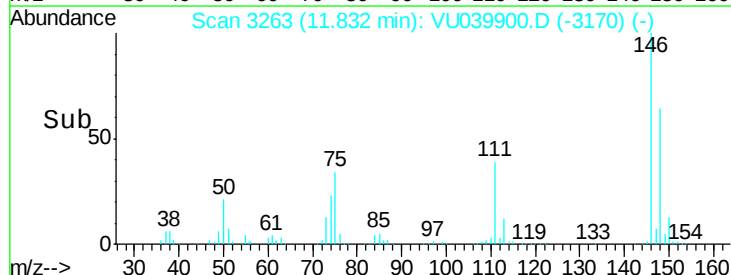
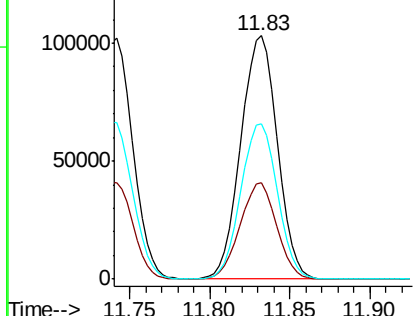


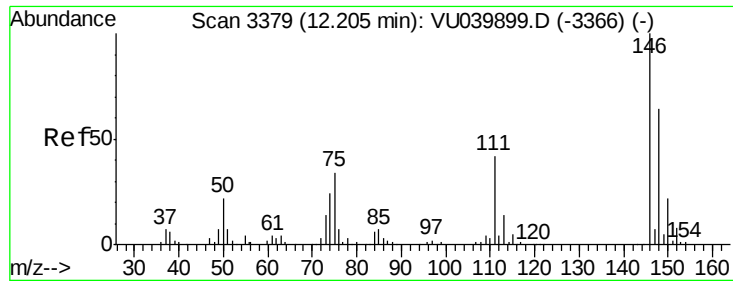
#63
 1,4-Dichlorobenzene
 Concen: 12.513 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU039900.D
 Acq: 19 Aug 2020 10:43

Tgt Ion:146 Resp: 161002
 Ion Ratio Lower Upper
 146 100
 111 39.4 26.5 49.1
 148 63.9 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: 12.637 ug/L

RT: 12.20 min Scan# 3379

Delta R.T. 0.00 min

Lab File: VU039900.D

Acq: 19 Aug 2020 10:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD01005

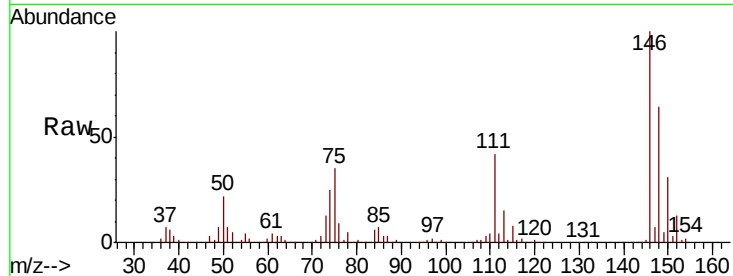
Tot Ion:146 Resp: 152076

Ion Ratio Lower Upper

146 100

111 41.8 33.4 50.0

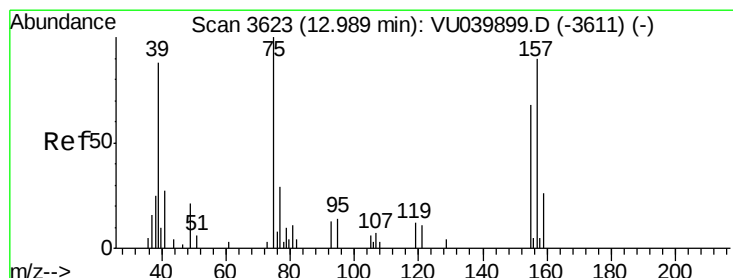
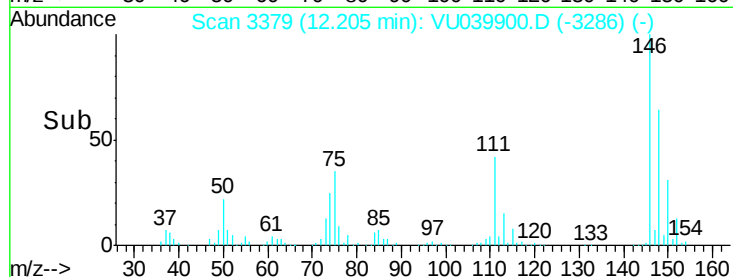
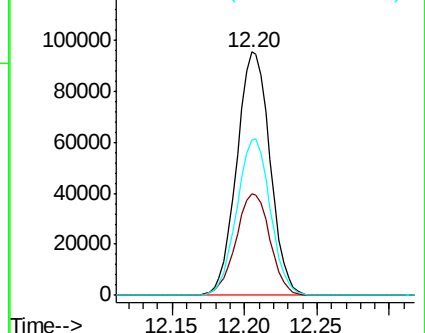
148 64.0 51.4 77.0



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: 14.237 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. 0.00 min

Lab File: VU039900.D

Acq: 19 Aug 2020 10:43

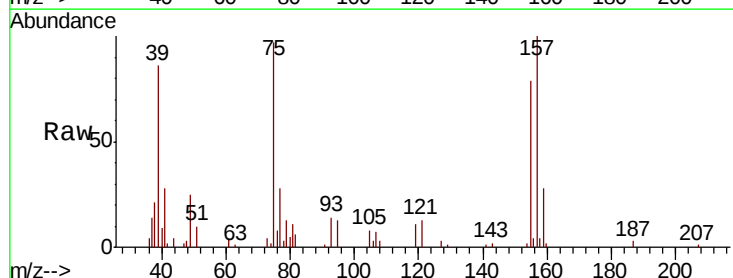
Tgt Ion: 75 Resp: 13252

Ion Ratio Lower Upper

75 100

155 81.3 54.6 82.0

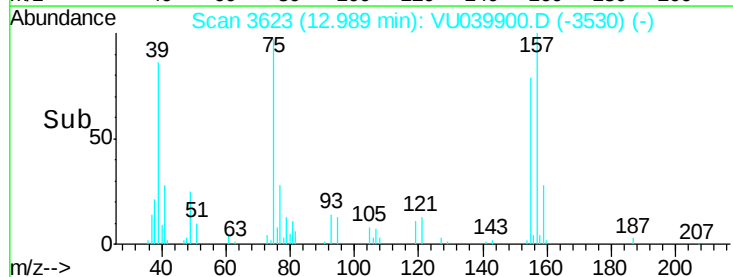
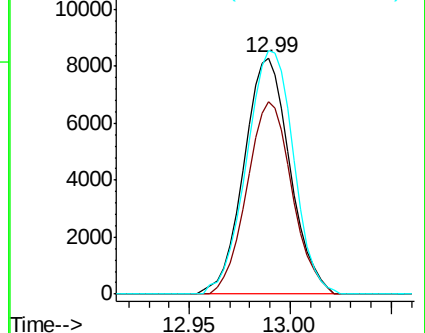
157 102.9 72.2 108.4

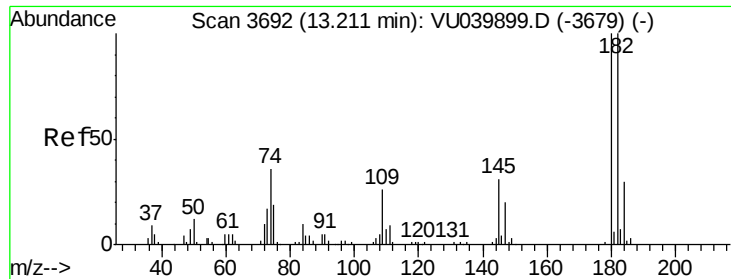


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

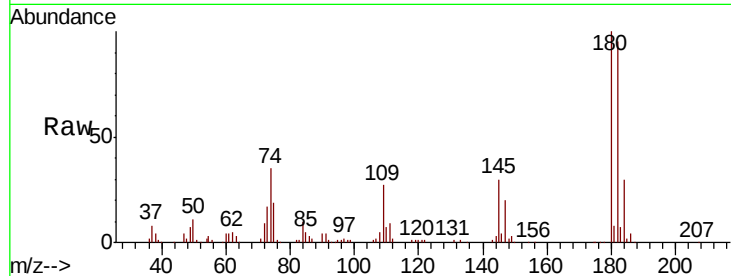




#67
 1,3,5-Trichlorobenzene
 Concen: 13.182 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU039900.D
 Acq: 19 Aug 2020 10:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01005

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	79.2	118.8
184	29.7	24.6	36.8
145	30.9	25.7	38.5

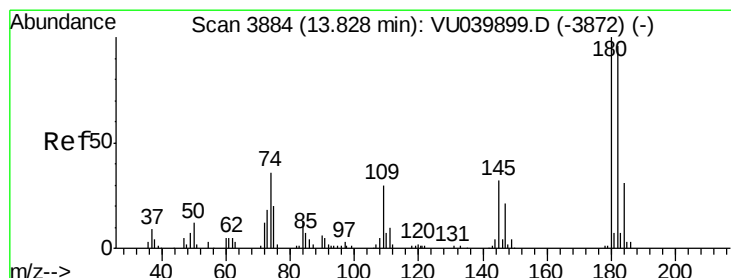
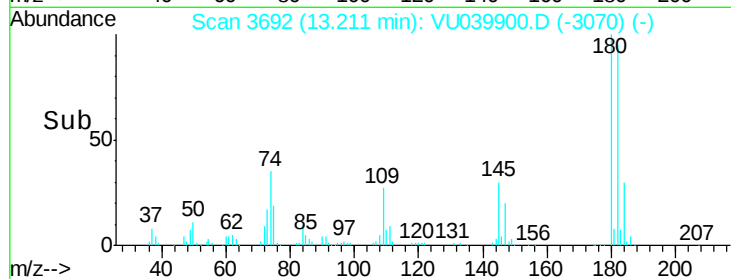
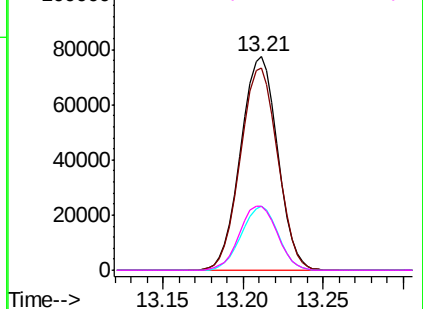


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

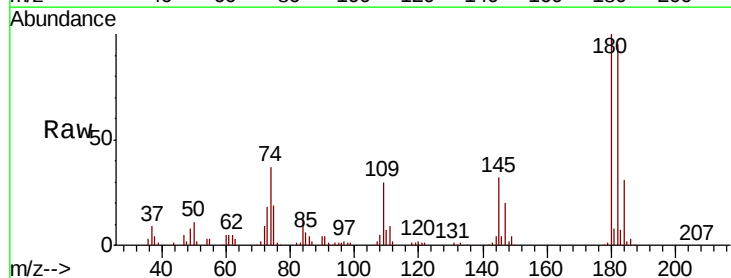
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 14.105 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU039900.D
 Acq: 19 Aug 2020 10:43

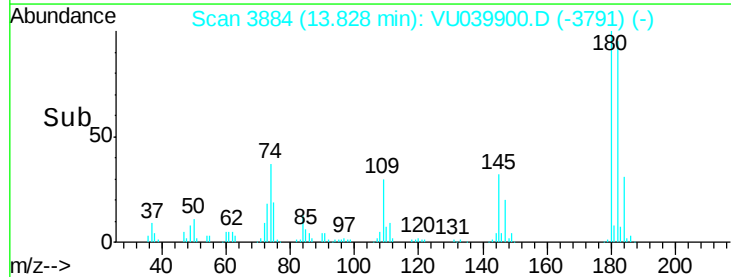
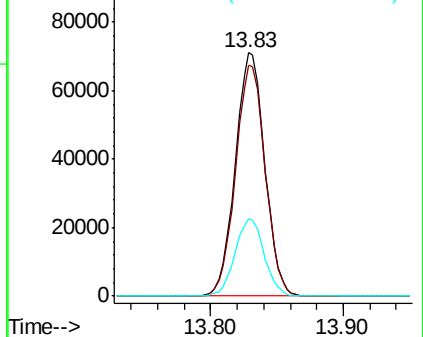
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	75.2	112.8
145	31.5	24.6	36.8

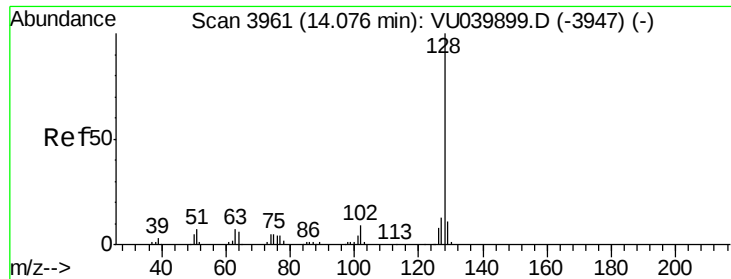


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 15.123 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU039900.D

Acq: 19 Aug 2020 10:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD01005

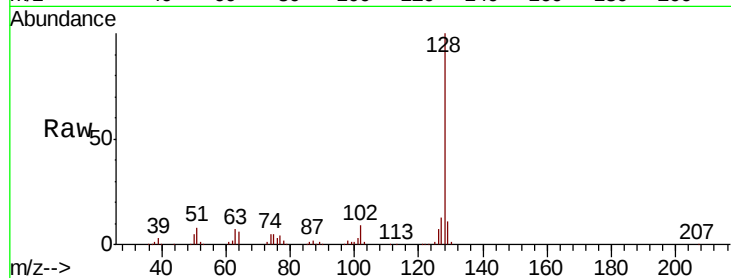
Tot Ion:128 Resp: 211713

Ion Ratio Lower Upper

128 100

129 11.1 8.5 12.7

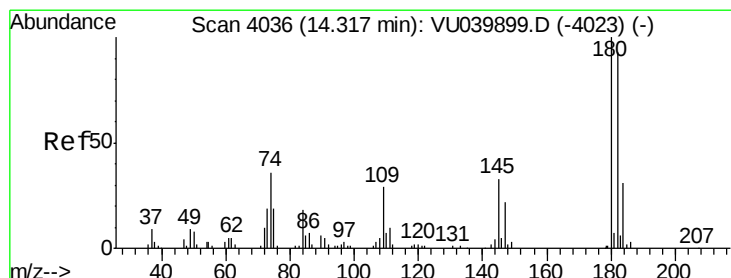
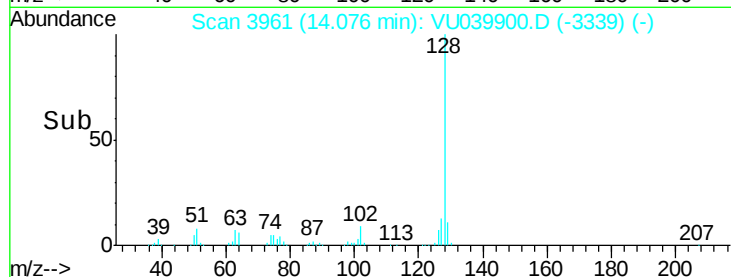
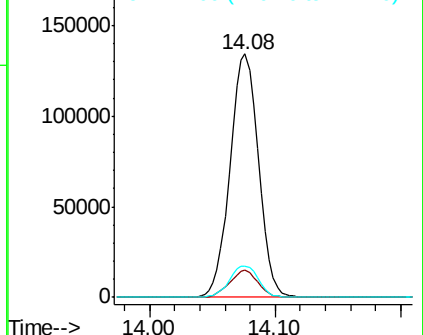
127 13.2 10.2 15.4



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: 14.691 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. 0.00 min

Lab File: VU039900.D

Acq: 19 Aug 2020 10:43

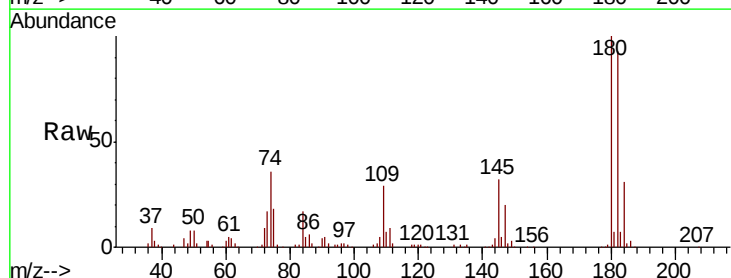
Tgt Ion:180 Resp: 102030

Ion Ratio Lower Upper

180 100

182 94.3 75.0 112.6

145 32.4 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

