

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061320\
 Data File : VU038843.D
 Acq On : 12 Jun 2020 11:23
 Operator : SY/MD
 Sample : VSTDICV005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 13 00:41:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR061220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jun 12 11:07:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	310384	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	305472	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	155927	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	85921	5.08	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.60%
7) Chloroethane-d5	1.93	69	69216	5.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.80%
11) 1,1-Dichloroethene-d2	2.59	63	192185	5.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.00%
20) 2-Butanone-d5	4.68	46	273488	51.51	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.02%
24) Chloroform-d	5.10	84	183936	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
26) 1,2-Dichloroethane-d4	5.74	65	102429	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.80%
32) Benzene-d6	5.76	84	364809	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.20%
36) 1,2-Dichloropropane-d6	6.72	67	105332	4.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.60%
41) Toluene-d8	7.92	98	332524	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.60%
43) trans-1,3-Dichloropropene-	8.20	79	47660	5.02	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.40%
46) 2-Hexanone-d5	8.66	63	229484	54.46	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.92%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	92076	4.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.60%
64) 1,2-Dichlorobenzene-d4	12.21	152	127794	5.04	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	145188	4.802	ug/L	98
3) Chloromethane	1.53	50	124774	5.003	ug/L	96
5) Vinyl chloride	1.62	62	132952	5.017	ug/L	98
6) Bromomethane	1.88	94	76585	5.037	ug/L	100
8) Chloroethane	1.95	64	77706	4.748	ug/L	99
9) Trichlorofluoromethane	2.16	101	190275	4.838	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	108823	4.838	ug/L	98
12) 1,1-Dichloroethene	2.61	96	103751	4.773	ug/L	89
13) Acetone	2.67	43	212874	49.421	ug/L	100
14) Carbon disulfide	2.82	76	364211	4.922	ug/L	99
15) Methyl Acetate	2.98	43	51719	4.915	ug/L	100
16) Methylene chloride	3.08	84	116834	4.675	ug/L	98
17) Methyl tert-butyl Ether	3.40	73	277247	4.950	ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	112761	4.831	ug/L	98
19) 1,1-Dichloroethane	3.91	63	201273	4.791	ug/L	97
21) 2-Butanone	4.76	43	359091	50.751	ug/L	99
22) cis-1,2-Dichloroethene	4.71	96	116450	4.790	ug/L	99

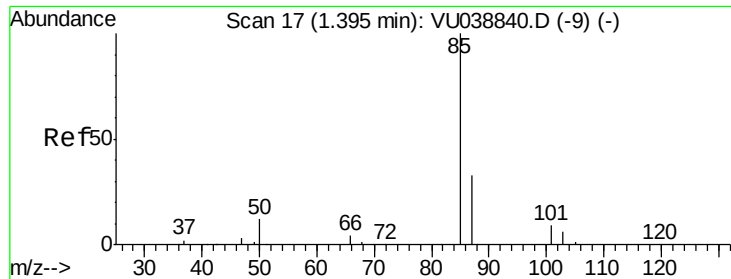
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061320\
 Data File : VU038843.D
 Acq On : 12 Jun 2020 11:23
 Operator : SY/MD
 Sample : VSTDICV005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 13 00:41:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR061220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jun 12 11:07:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	53161	4.665	ug/L	93
25) Chloroform	5.12	83	204733	4.727	ug/L	95
27) 1,2-Dichloroethane	5.83	62	143272	4.745	ug/L	98
29) 1,1,1-Trichloroethane	5.35	97	180887	4.798	ug/L	99
30) Cyclohexane	5.42	56	181933	4.980	ug/L	98
31) Carbon tetrachloride	5.56	117	154778	4.864	ug/L	100
33) Benzene	5.81	78	450059	4.876	ug/L	100
34) Trichloroethene	6.57	95	118560	4.919	ug/L	96
35) Methylcyclohexane	6.79	83	179637	4.793	ug/L	99
37) 1,2-Dichloropropane	6.82	63	112100	4.821	ug/L	100
38) Bromodichloromethane	7.13	83	144375	4.786	ug/L	98
39) cis-1,3-Dichloropropene	7.63	75	168963	4.902	ug/L	97
40) 4-Methyl-2-pentanone	7.82	43	789307	50.721	ug/L	99
42) Toluene	8.00	91	480129	4.927	ug/L	98
44) trans-1,3-Dichloropropene	8.23	75	149306	4.863	ug/L	98
45) 1,1,2-Trichloroethane	8.43	97	86773	4.893	ug/L	98
47) Tetrachloroethene	8.57	164	89911	4.845	ug/L	98
48) 2-Hexanone	8.71	43	612338	51.223	ug/L	99
49) Dibromochloromethane	8.84	129	98036	4.952	ug/L	99
50) 1,2-Dibromoethane	8.95	107	82670	4.776	ug/L	99
51) Chlorobenzene	9.47	112	307135	4.894	ug/L	97
52) Ethylbenzene	9.59	91	531747	4.953	ug/L	99
53) m,p-Xylene	9.71	106	211027	5.202	ug/L	94
54) o-Xylene	10.12	106	196733	5.051	ug/L	96
55) Styrene	10.13	104	342674	5.113	ug/L	98
56) Isopropylbenzene	10.50	105	529778	5.088	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	106479	4.829	ug/L	97
59) 1,2,3-Trichloropropane	10.84	75	82677	4.793	ug/L	99
61) Bromoform	10.31	173	54985	4.896	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	251225	4.991	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	254203	4.951	ug/L	100
65) 1,2-Dichlorobenzene	12.23	146	238762	5.042	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	19961	5.197	ug/L	94
67) 1,3,5-Trichlorobenzene	13.25	180	184417	5.001	ug/L	98
68) 1,2,4-trichlorobenzene	13.87	180	173201	5.308	ug/L	98
69) Naphthalene	14.12	128	355707	5.742	ug/L	99
70) 1,2,3-Trichlorobenzene	14.37	180	163762	5.490	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.802 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU038843.D

Acq: 12 Jun 2020 11:23

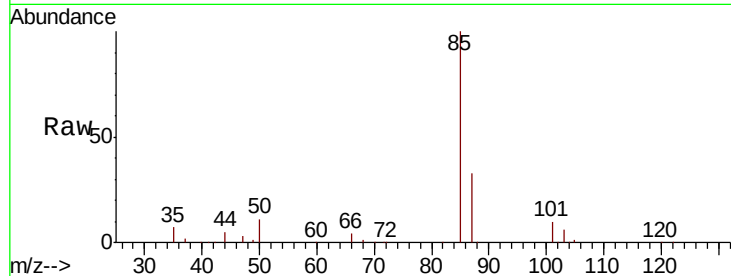
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 145188

Ion Ratio Lower Upper

85 100

87 33.4 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU038840.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU038840.D (-9) (-)

1.39

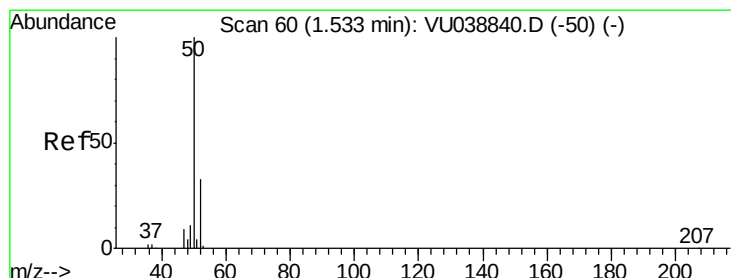
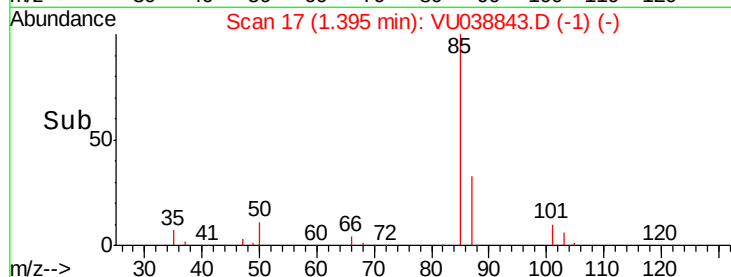
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 5.003 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU038843.D

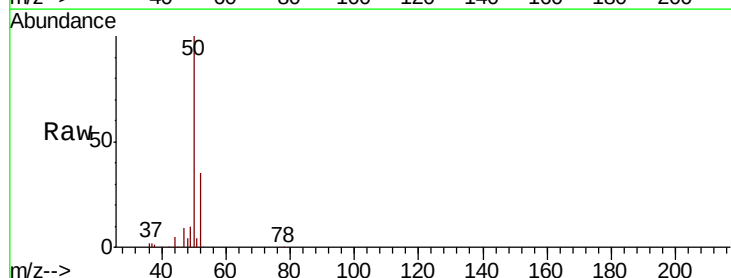
Acq: 12 Jun 2020 11:23

Tgt Ion: 50 Resp: 124774

Ion Ratio Lower Upper

50 100

52 34.6 22.7 42.3



Abundance Ion 50.05 (49.75 to 50.75): VU038840.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU038840.D (-50) (-)

1.53

120000

100000

80000

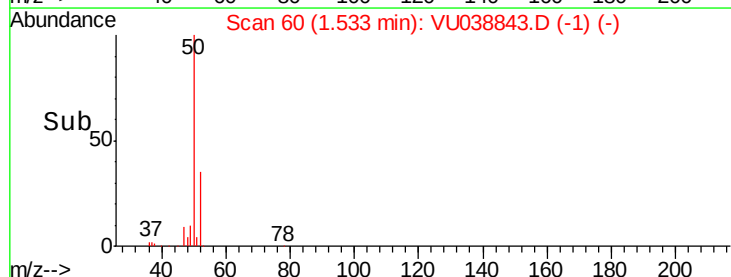
60000

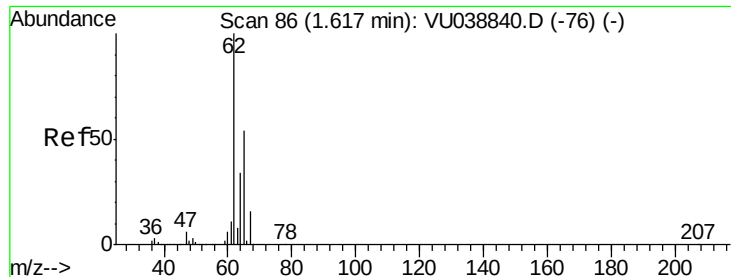
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 5.017 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU038843.D

Acq: 12 Jun 2020 11:23

Instrument :

MSVOA_U

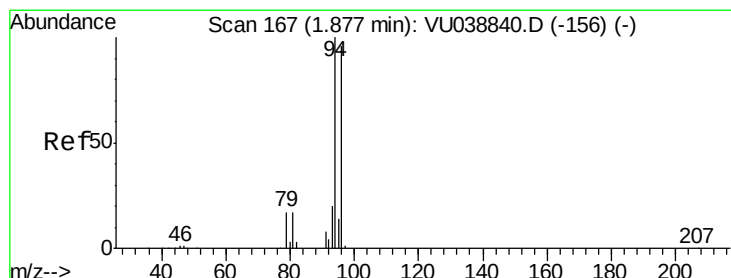
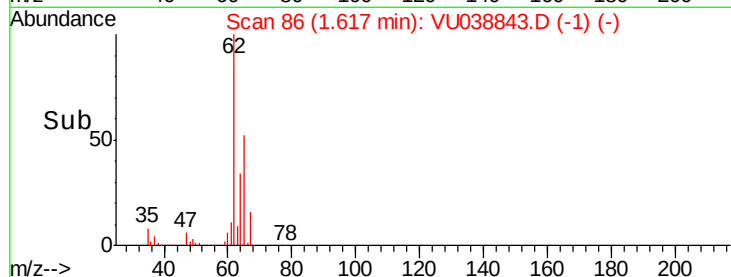
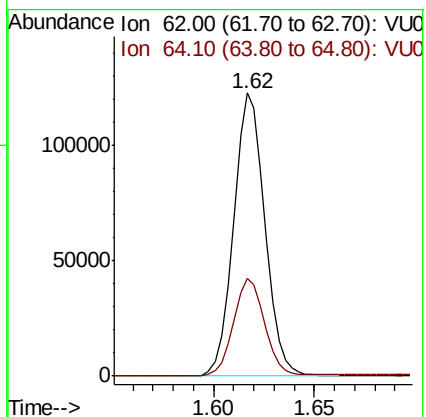
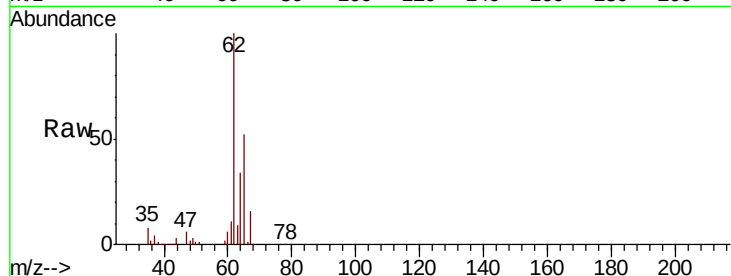
ClientSampleId :

Tot Ion: 62 Resp: 132952

Ion Ratio Lower Upper

62 100

64 34.4 23.4 43.6



#6

Bromomethane

Concen: 5.037 ug/L

RT: 1.88 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU038843.D

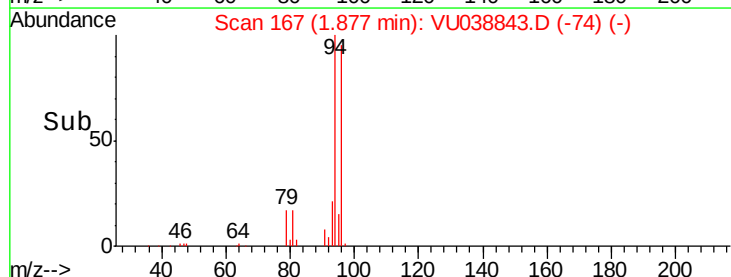
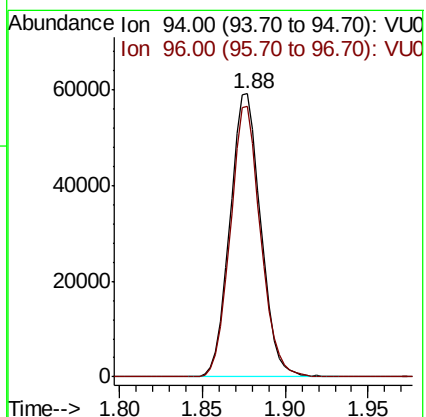
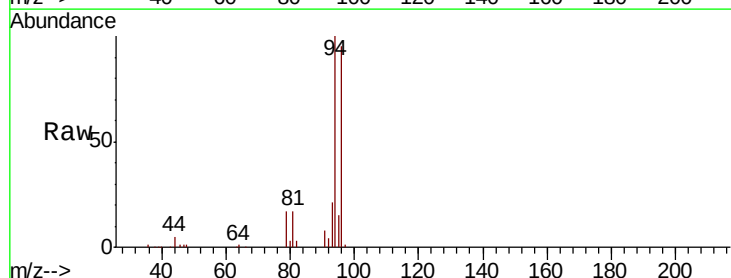
Acq: 12 Jun 2020 11:23

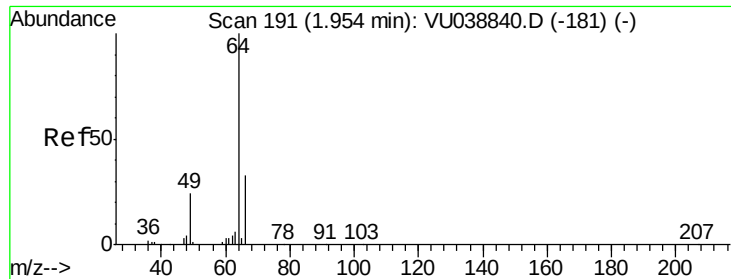
Tgt Ion: 94 Resp: 76585

Ion Ratio Lower Upper

94 100

96 95.4 66.8 124.2

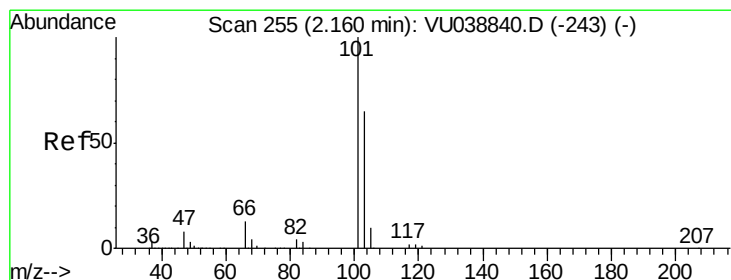
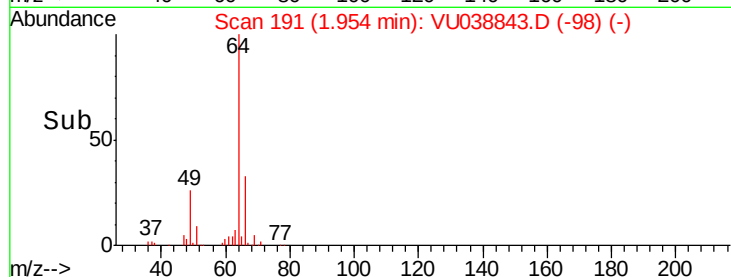
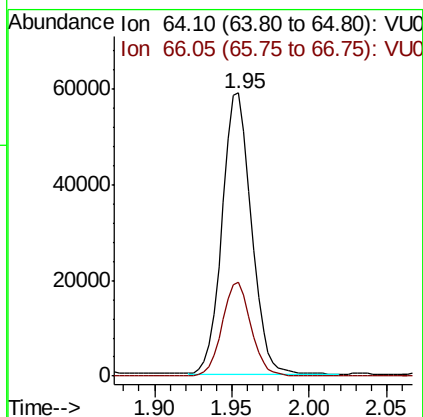
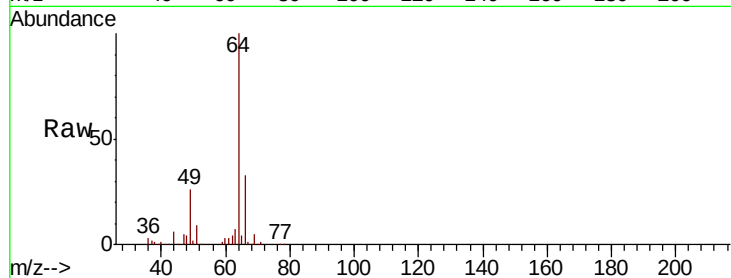




#8
Chloroethane
Concen: 4.748 ug/L
RT: 1.95 min Scan# 191
Delta R.T. 0.00 min
Lab File: VU038843.D
Acq: 12 Jun 2020 11:23

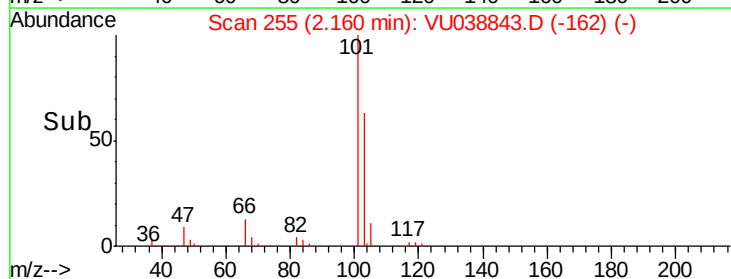
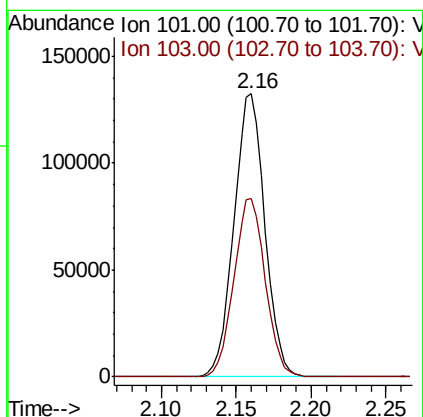
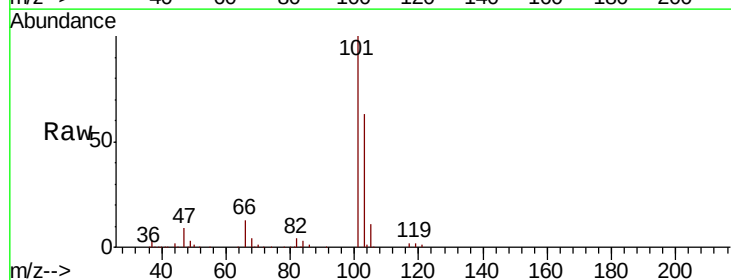
Instrument :
MSVOA_U
ClientSampleId :

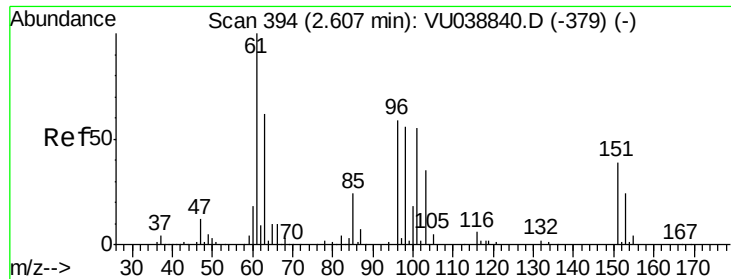
Tot Ion: 64 Resp: 77706
Ion Ratio Lower Upper
64 100
66 33.0 22.9 42.5



#9
Trichlorofluoromethane
Concen: 4.838 ug/L
RT: 2.16 min Scan# 255
Delta R.T. 0.00 min
Lab File: VU038843.D
Acq: 12 Jun 2020 11:23

Tgt Ion: 101 Resp: 190275
Ion Ratio Lower Upper
101 100
103 64.0 51.5 77.3





#10

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

Concen: 4.838 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038843.D

Acq: 12 Jun 2020 11:23

Instrument :

MSVOA_U

ClientSampleId :

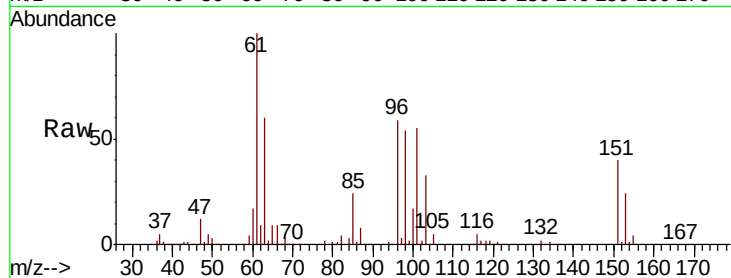
Tot Ion:101 Resp: 108823

Ion Ratio Lower Upper

101 100

85 43.7 34.5 51.7

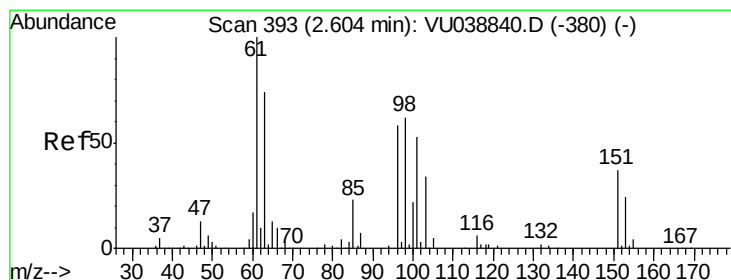
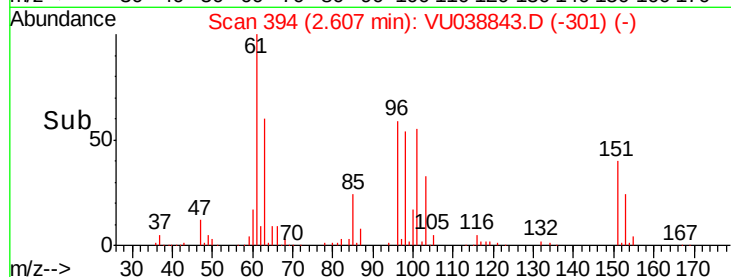
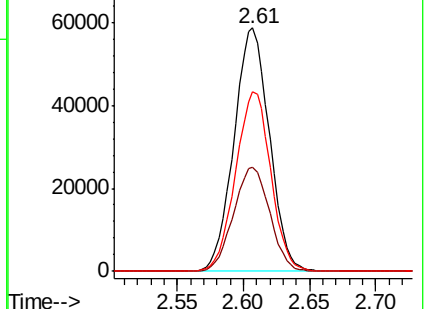
151 73.3 56.5 84.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.773 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038843.D

Acq: 12 Jun 2020 11:23

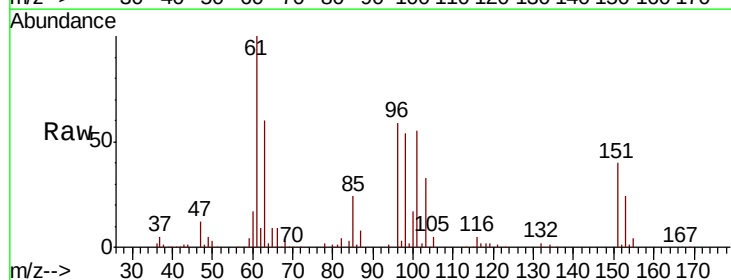
Tgt Ion: 96 Resp: 103751

Ion Ratio Lower Upper

96 100

61 169.4 120.2 223.2

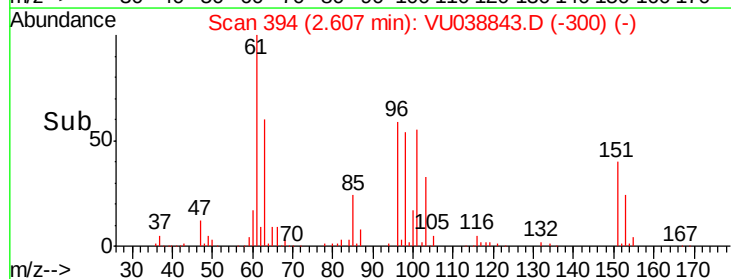
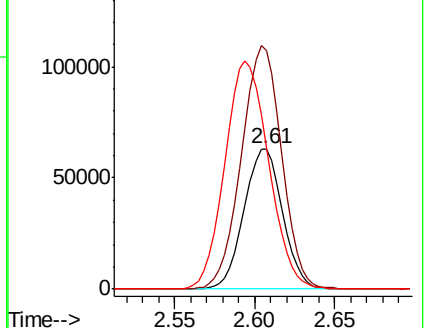
63 100.8 90.1 167.3

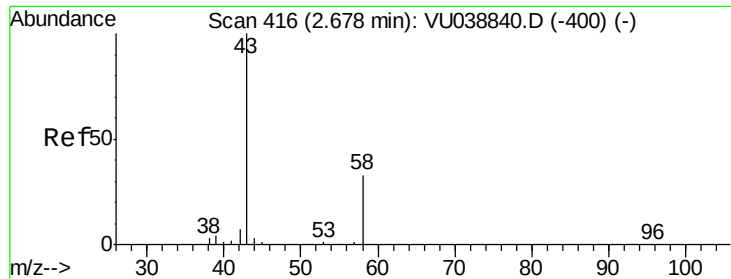


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 49.421 ug/L

RT: 2.67 min Scan# 415

Delta R.T. -0.00 min

Lab File: VU038843.D

Acq: 12 Jun 2020 11:23

Instrument :

MSVOA_U

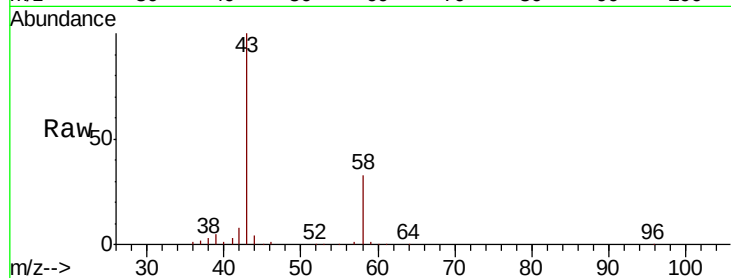
ClientSampleId :

Tot Ion: 43 Resp: 212874

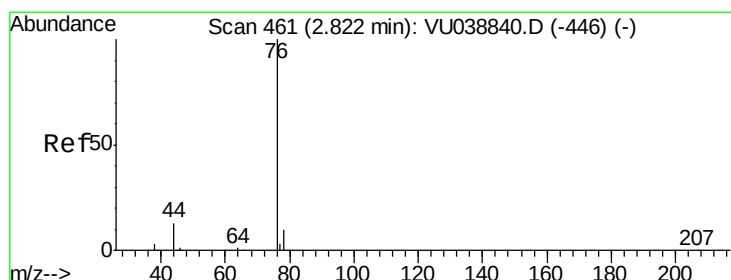
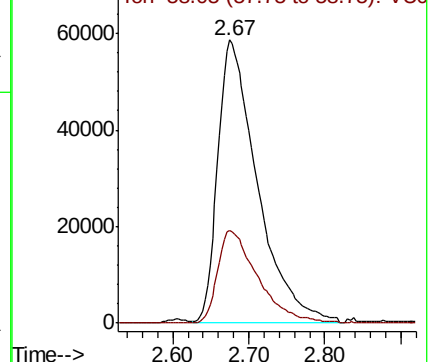
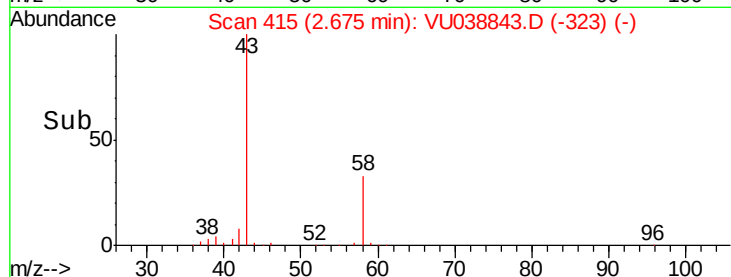
Ion Ratio Lower Upper

43 100

58 33.0 0.0 66.0



Abundance Ion 43.05 (42.75 to 43.75): VU038843.D (-323) (-)



#14

Carbon disulfide

Concen: 4.922 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU038843.D

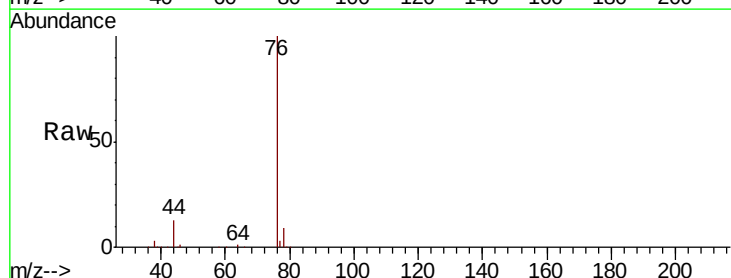
Acq: 12 Jun 2020 11:23

Tgt Ion: 76 Resp: 364211

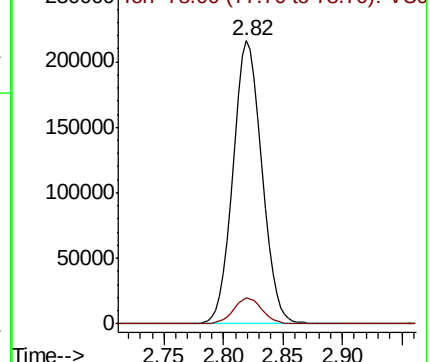
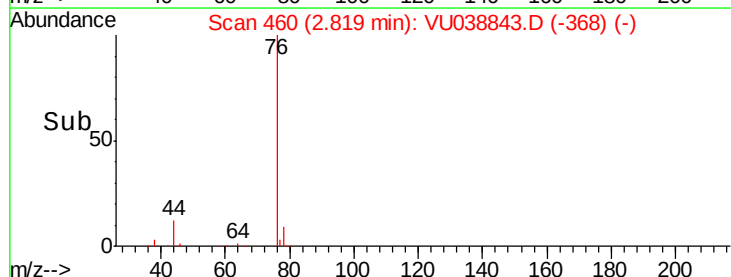
Ion Ratio Lower Upper

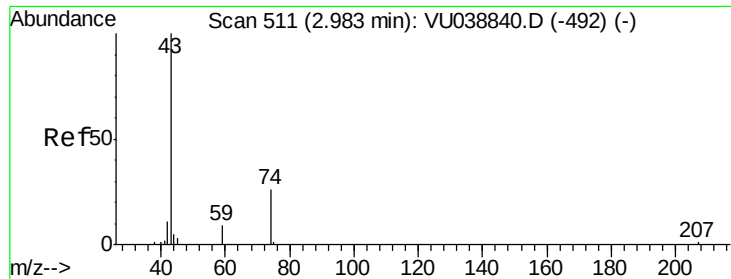
76 100

78 9.0 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VU038843.D (-368) (-)

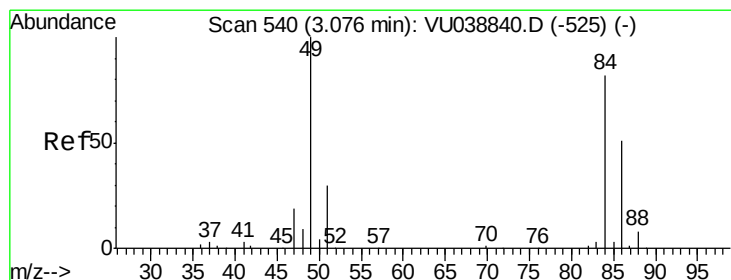
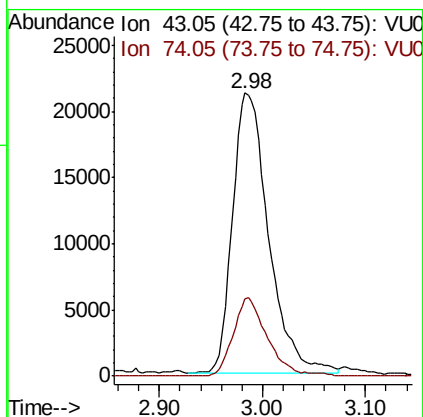
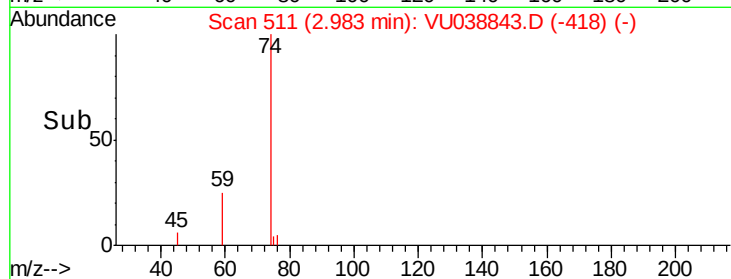
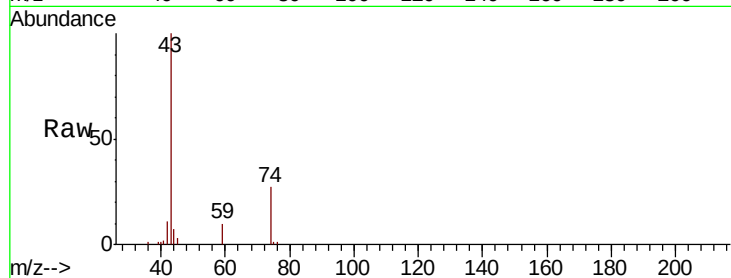




#15
Methvl Acetate
Concen: 4.915 ug/L
RT: 2.98 min Scan# 511
Delta R.T. 0.00 min
Lab File: VU038843.D
Acq: 12 Jun 2020 11:23

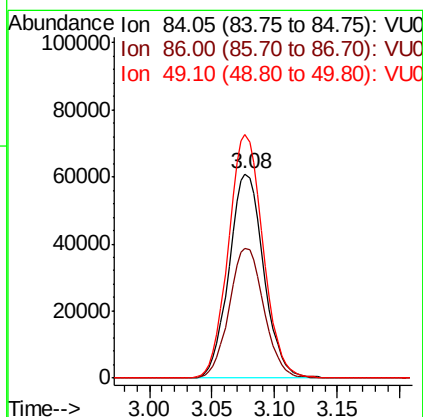
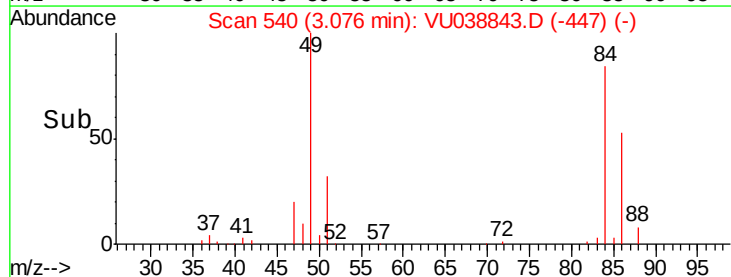
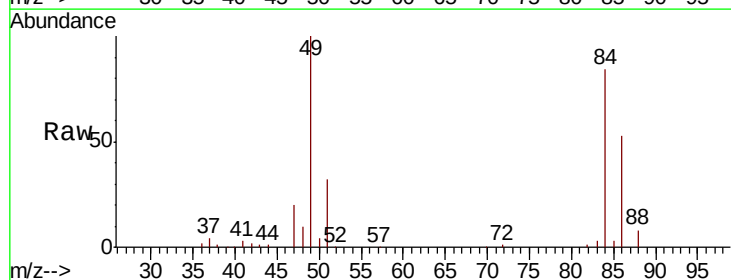
Instrument :
MSVOA_U
ClientSampleId :

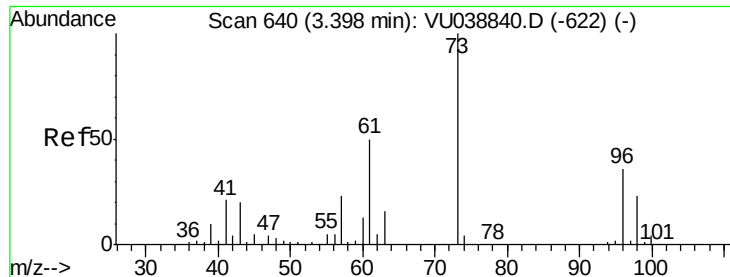
Tot Ion: 43 Resp: 51719
Ion Ratio Lower Upper
43 100
74 26.0 21.0 31.4



#16
Methylene chloride
Concen: 4.675 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU038843.D
Acq: 12 Jun 2020 11:23

Tgt Ion: 84 Resp: 116834
Ion Ratio Lower Upper
84 100
86 63.7 43.0 80.0
49 119.1 85.0 157.8



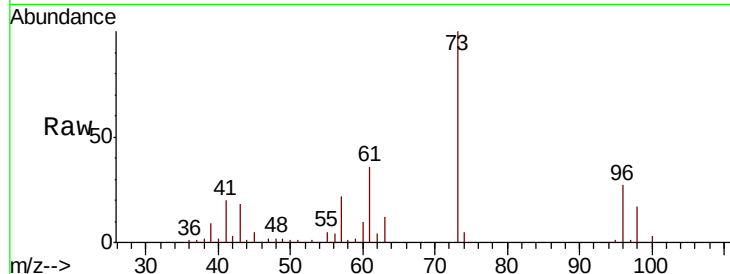


#17

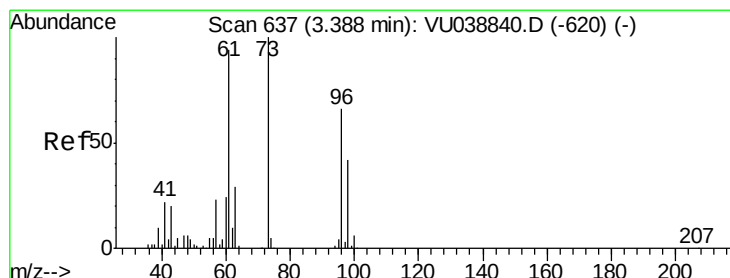
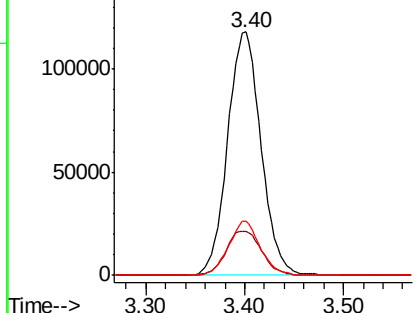
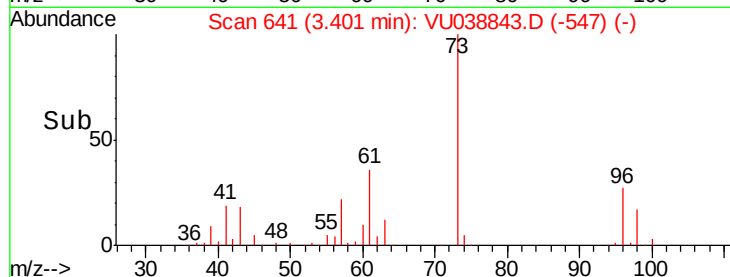
Methyl tert-butyl Ether
 Concen: 4.950 ug/L
 RT: 3.40 min Scan# 641
 Delta R.T. 0.00 min
 Lab File: VU038843.D
 Acq: 12 Jun 2020 11:23

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
73	100		
43	19.5	15.9	23.9
57	21.2	17.5	26.3



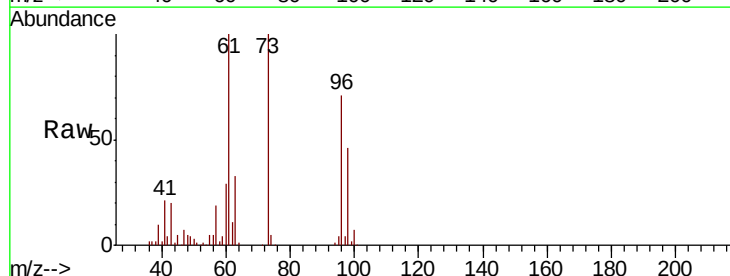
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



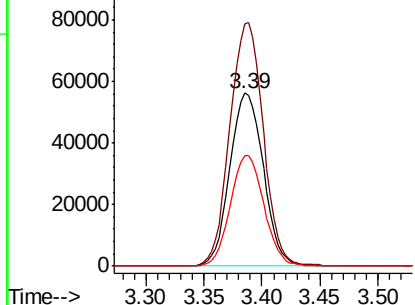
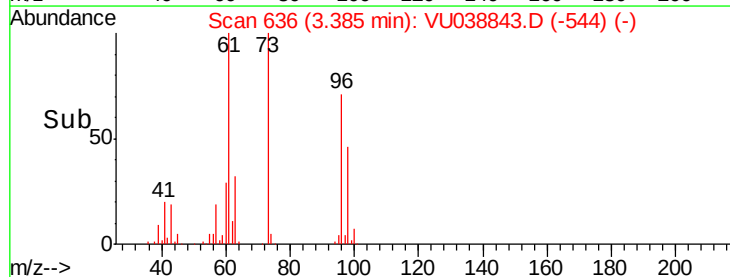
#18

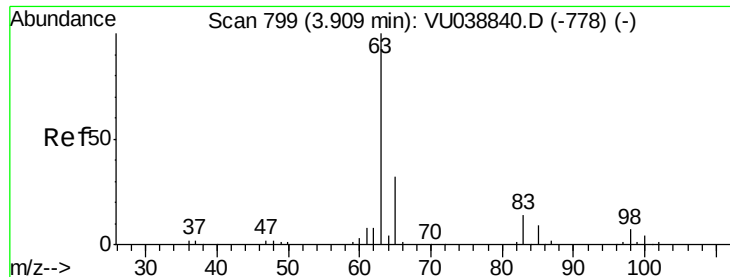
trans-1,2-Dichloroethene
 Concen: 4.831 ug/L
 RT: 3.39 min Scan# 636
 Delta R.T. -0.00 min
 Lab File: VU038843.D
 Acq: 12 Jun 2020 11:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	139.9	99.3	184.5
98	63.9	43.9	81.5



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

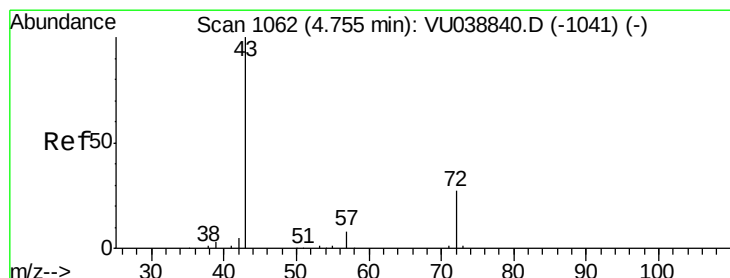
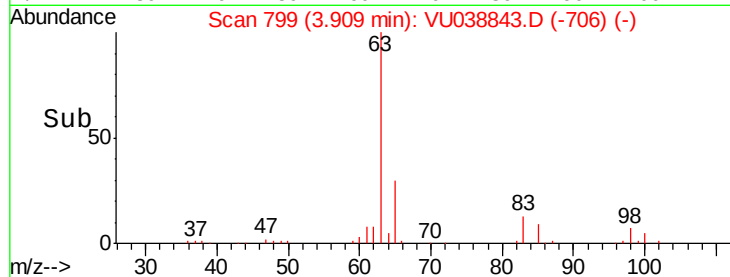
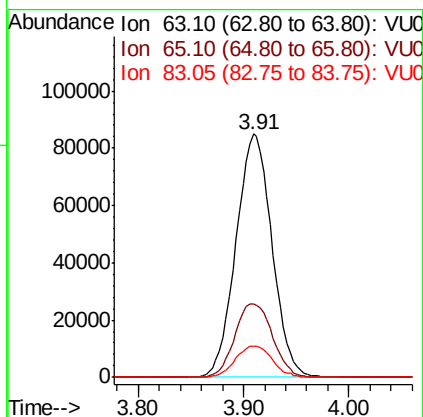
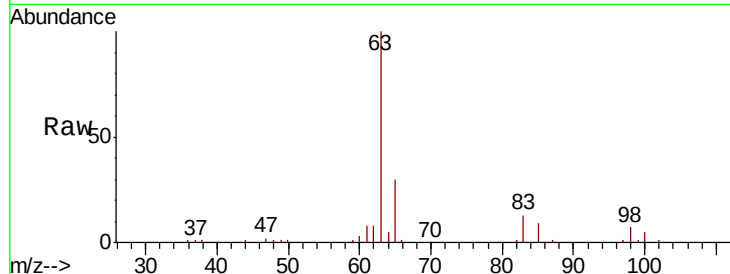




#19
 1,1-Dichloroethane
 Concen: 4.791 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. 0.00 min
 Lab File: VU038843.D
 Acq: 12 Jun 2020 11:23

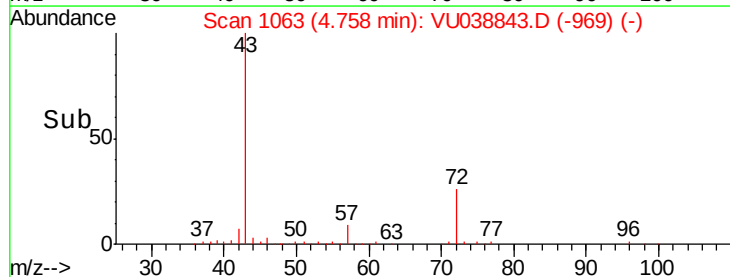
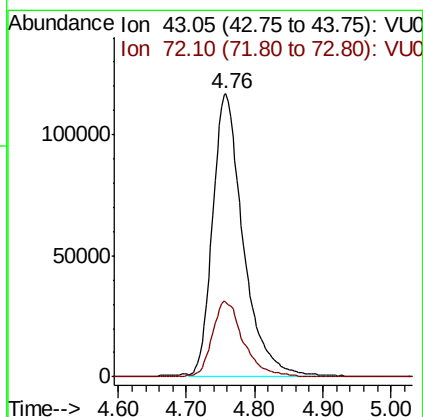
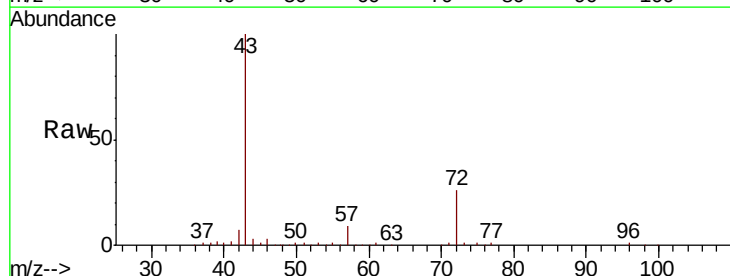
Instrument :
 MSVOA_U
 ClientSampled :

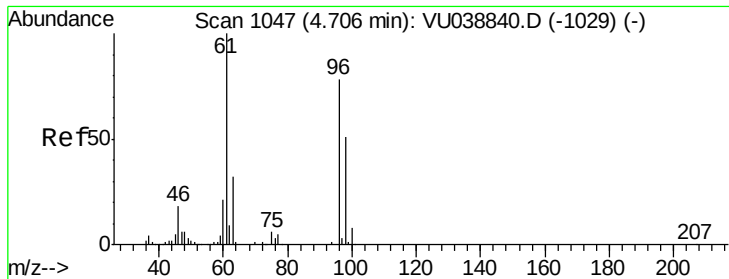
Tot Ion: 63 Resp: 201273
 Ion Ratio Lower Upper
 63 100
 65 30.3 22.3 41.5
 83 12.9 10.1 18.9



#21
 2-Butanone
 Concen: 50.751 ug/L
 RT: 4.76 min Scan# 1063
 Delta R.T. 0.00 min
 Lab File: VU038843.D
 Acq: 12 Jun 2020 11:23

Tgt Ion: 43 Resp: 359091
 Ion Ratio Lower Upper
 43 100
 72 27.8 14.2 42.8





#22

cis-1,2-Dichloroethene

Concen: 4.790 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU038843.D

Acq: 12 Jun 2020 11:23

Instrument :

MSVOA_U

ClientSampleId :

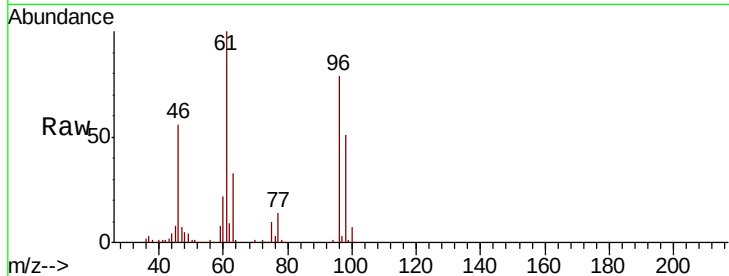
Tot Ion: 96 Resp: 116450

Ion Ratio Lower Upper

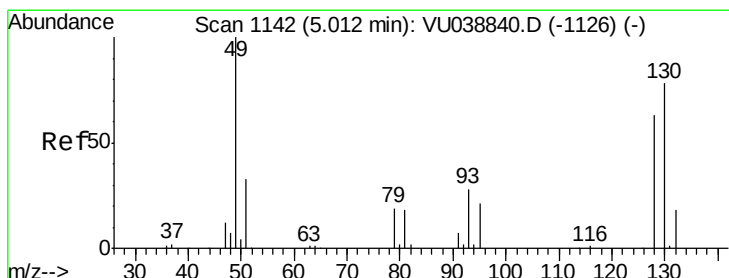
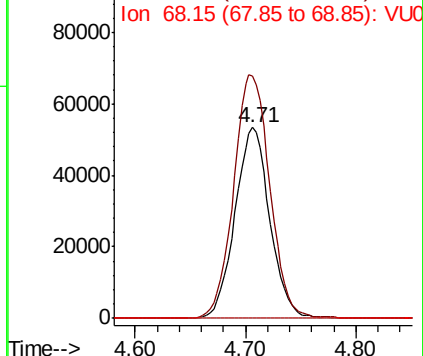
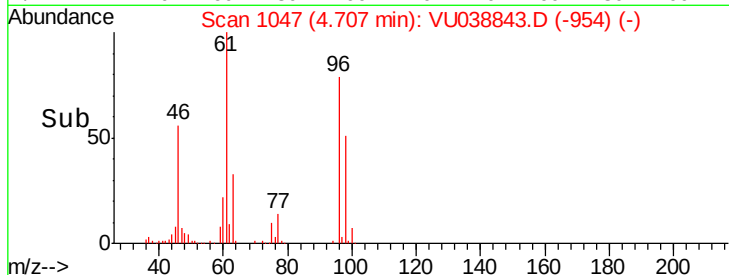
96 100

61 126.8 89.7 166.7

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU038843.D (-954) (-)



#23

Bromochloromethane

Concen: 4.665 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU038843.D

Acq: 12 Jun 2020 11:23

Tgt Ion: 128 Resp: 53161

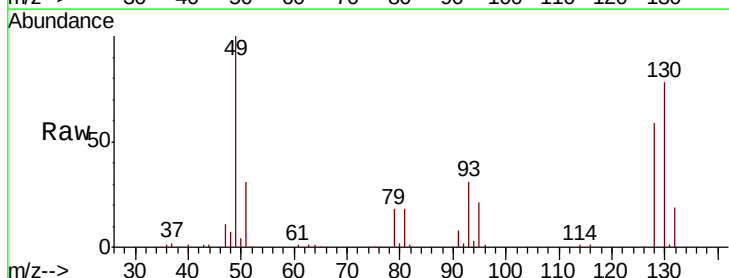
Ion Ratio Lower Upper

128 100

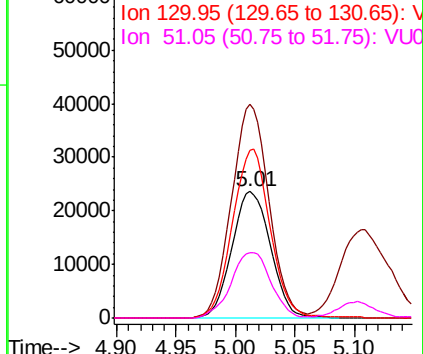
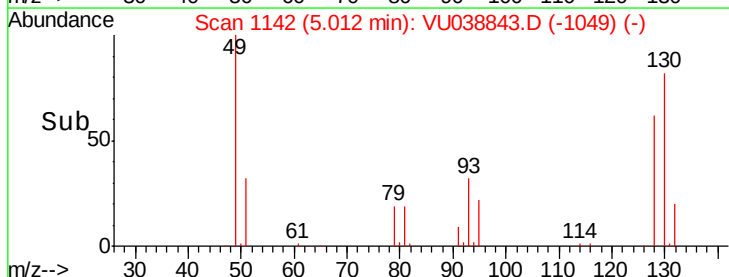
49 169.1 110.8 205.8

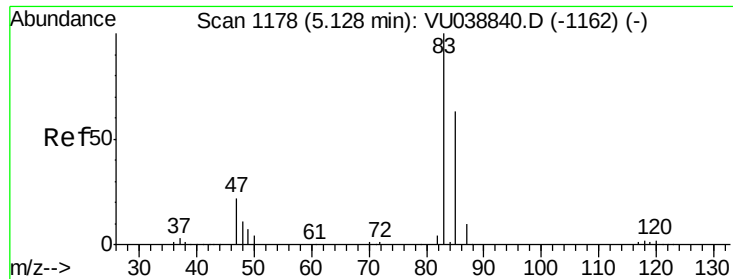
130 132.5 86.6 160.8

51 51.7 42.3 63.5



Abundance Ion 127.90 (127.60 to 128.60): VU038843.D (-1049) (-)

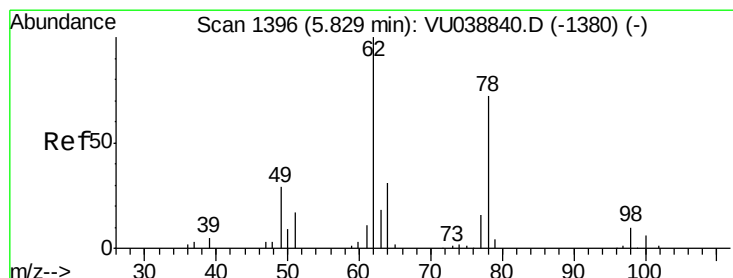
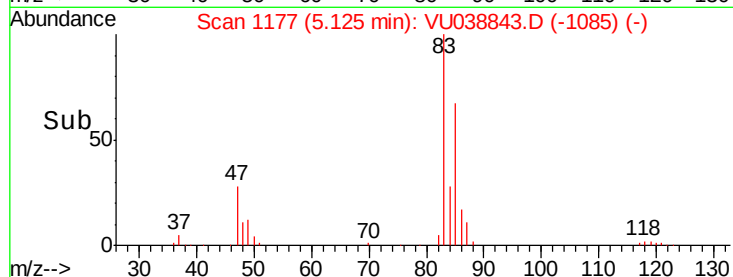
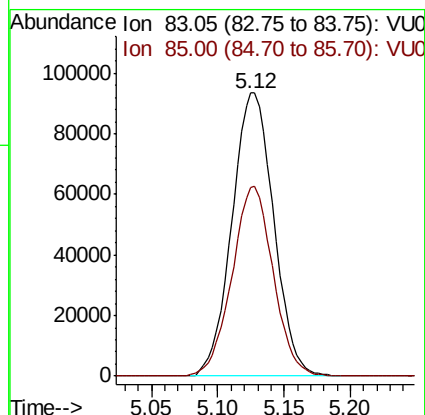
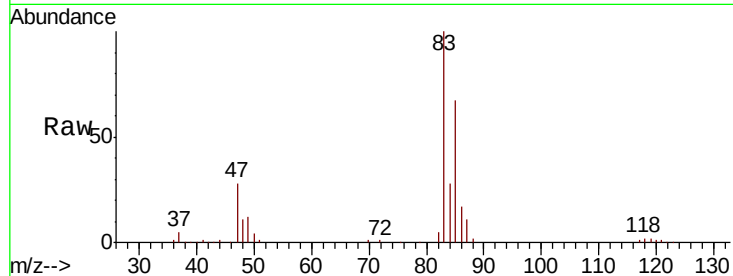




#25
Chloroform
Concen: 4.727 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VU038843.D
Acq: 12 Jun 2020 11:23

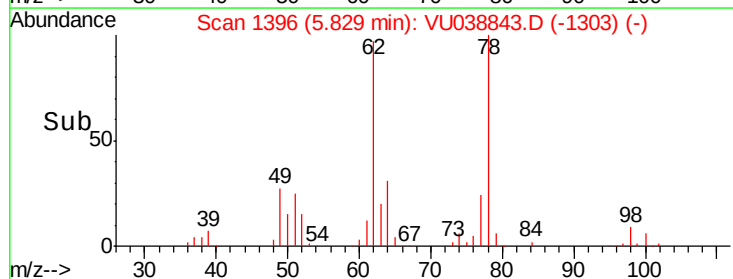
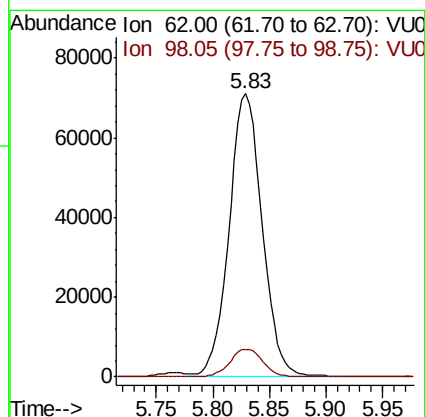
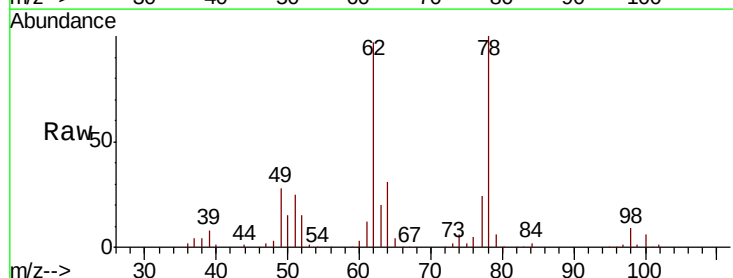
Instrument :
MSVOA_U
ClientSampled :

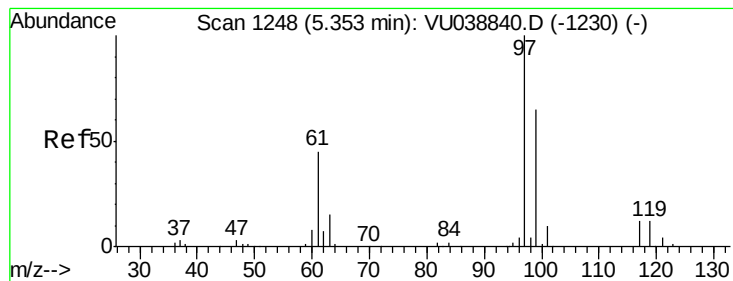
Tot Ion: 83 Resp: 204733
Ion Ratio Lower Upper
83 100
85 66.8 44.1 81.9



#27
1,2-Dichloroethane
Concen: 4.745 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU038843.D
Acq: 12 Jun 2020 11:23

Tgt Ion: 62 Resp: 143272
Ion Ratio Lower Upper
62 100
98 9.7 8.2 12.4





#29

1,1,1-Trichloroethane

Concen: 4.798 ug/L

RT: 5.35 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VU038843.D

Acq: 12 Jun 2020 11:23

Instrument :

MSVOA_U

ClientSampled :

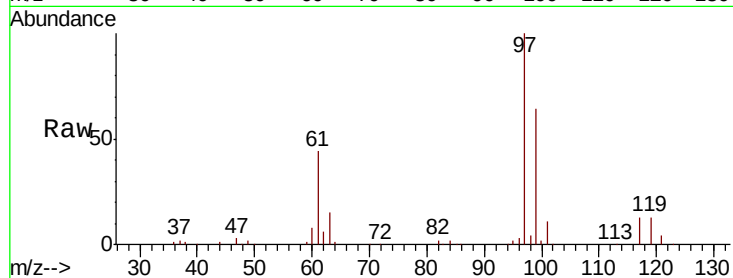
Tot Ion: 97 Resp: 180887

Ion Ratio Lower Upper

97 100

99 64.2 52.1 78.1

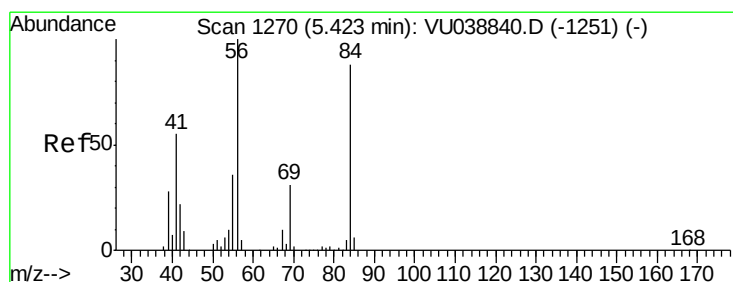
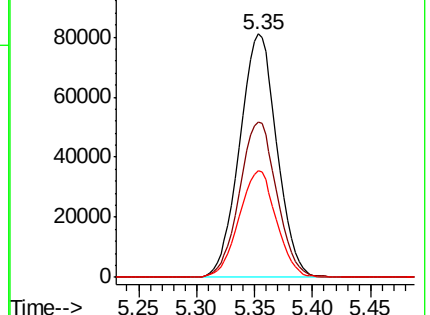
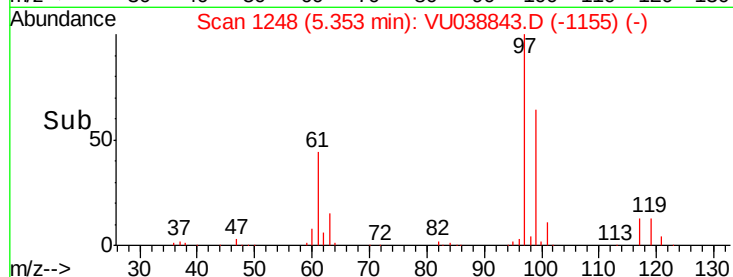
61 43.9 35.9 53.9



Abundance Ion 96.95 (96.65 to 97.65): VU038843.D (-1155) (-)

Ion 99.05 (98.75 to 99.75): VU038843.D (-1155) (-)

Ion 61.05 (60.75 to 61.75): VU038843.D (-1155) (-)



#30

Cyclohexane

Concen: 4.980 ug/L

RT: 5.42 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VU038843.D

Acq: 12 Jun 2020 11:23

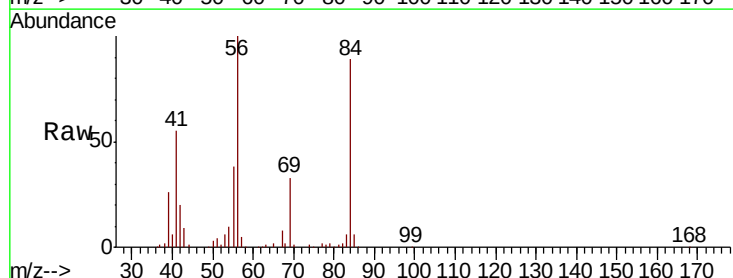
Tgt Ion: 56 Resp: 181933

Ion Ratio Lower Upper

56 100

69 31.1 25.1 37.7

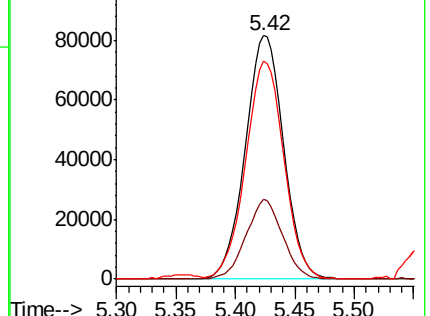
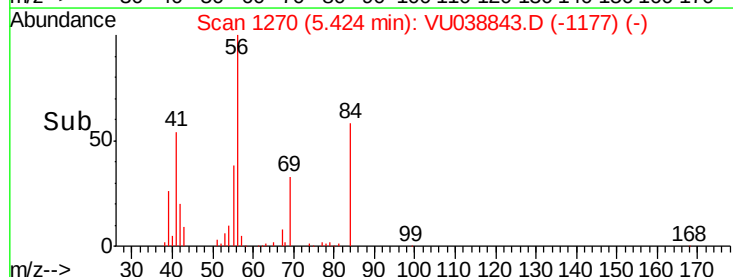
84 89.4 69.5 104.3

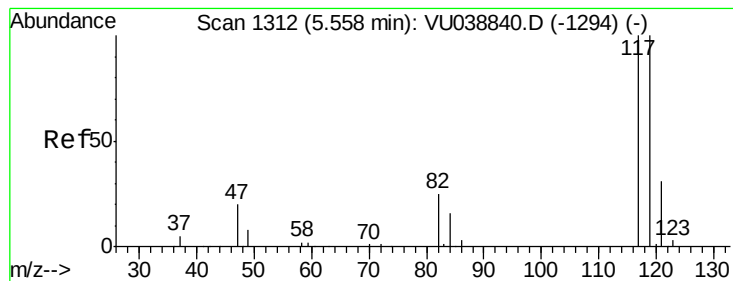


Abundance Ion 56.10 (55.80 to 56.80): VU038843.D (-1177) (-)

Ion 69.15 (68.85 to 69.85): VU038843.D (-1177) (-)

Ion 84.15 (83.85 to 84.85): VU038843.D (-1177) (-)





#31

Carbon tetrachloride

Concen: 4.864 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU038843.D

Acq: 12 Jun 2020 11:23

Instrument :

MSVOA_U

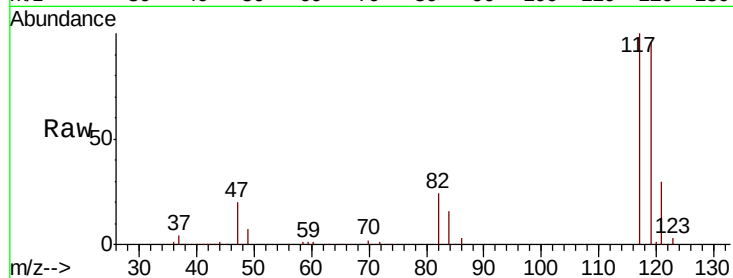
ClientSampleId :

Tot Ion:117 Resp: 154778

Ion Ratio Lower Upper

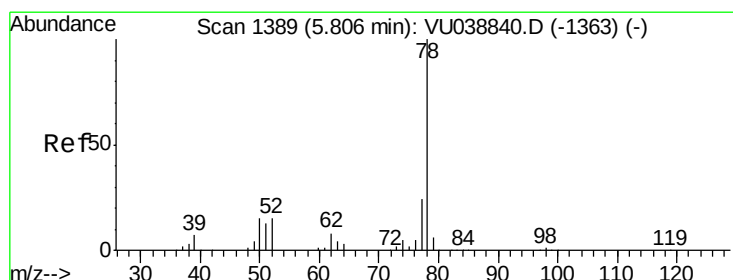
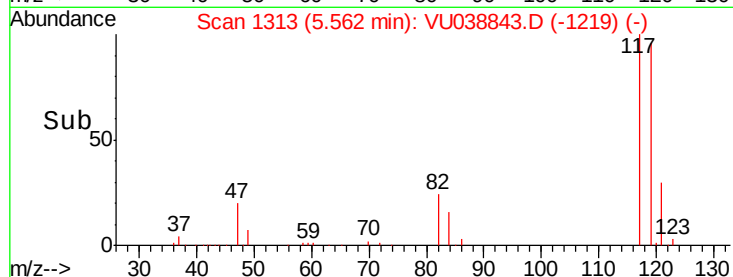
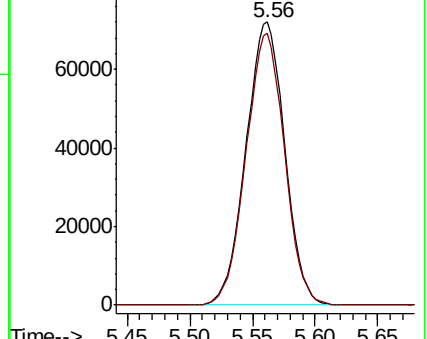
117 100

119 95.5 76.2 114.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.876 ug/L

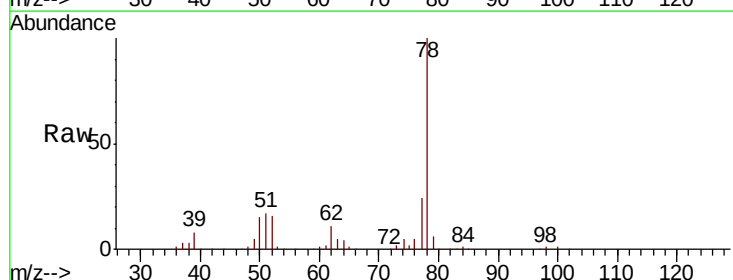
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

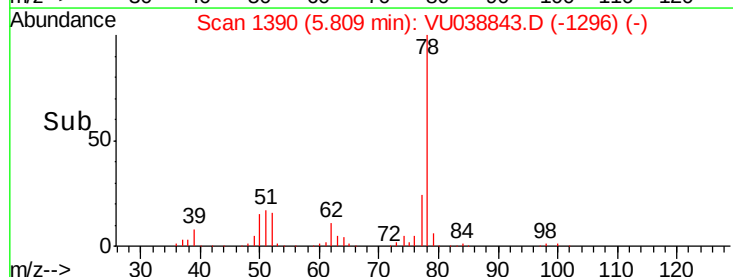
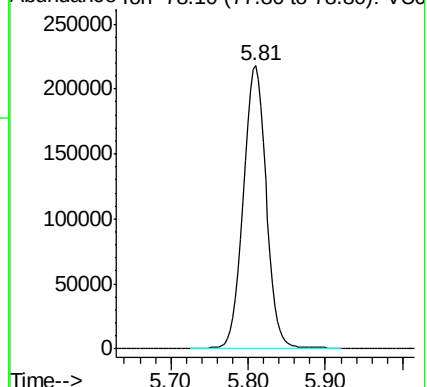
Lab File: VU038843.D

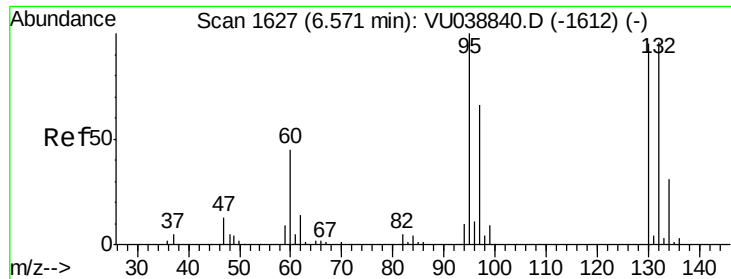
Acq: 12 Jun 2020 11:23

Tgt Ion: 78 Resp: 450059



Abundance Ion 78.10 (77.80 to 78.80): VU0

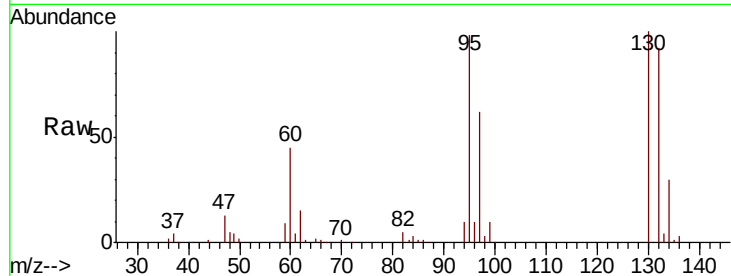




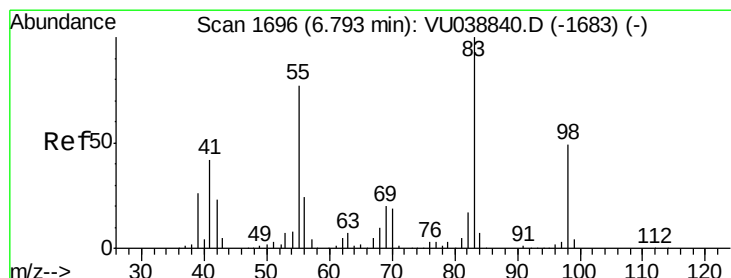
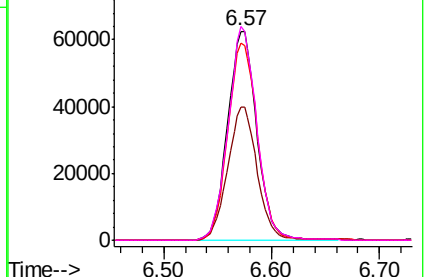
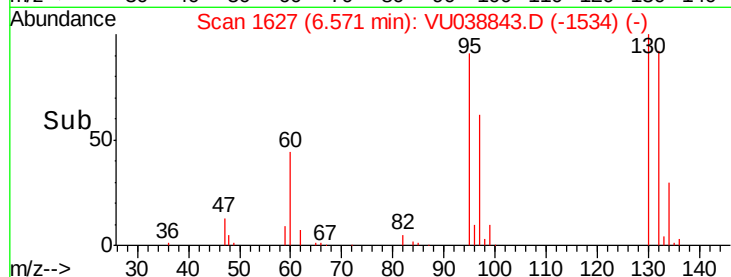
#34
 Trichloroethene
 Concen: 4.919 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU038843.D
 Acq: 12 Jun 2020 11:23

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 95 Resp: 118560
 Ion Ratio Lower Upper
 95 100
 97 63.7 46.1 85.5
 132 94.1 67.5 125.3
 130 102.2 66.7 123.9

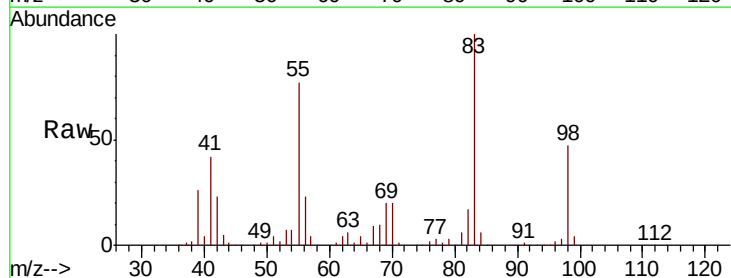


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

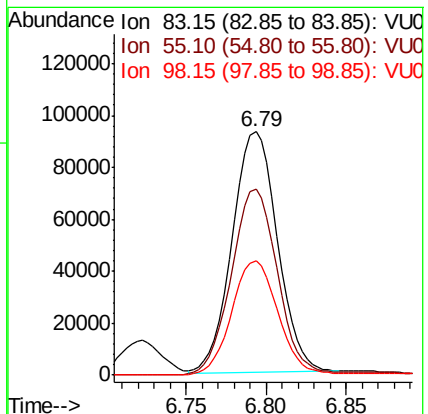
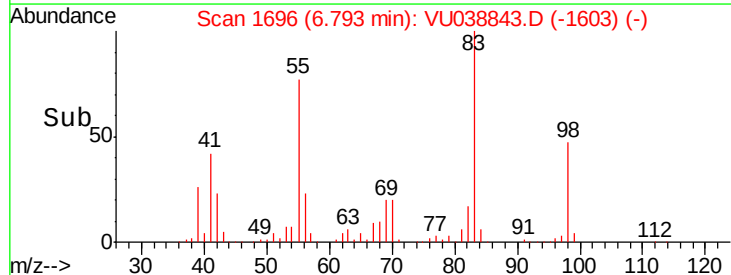


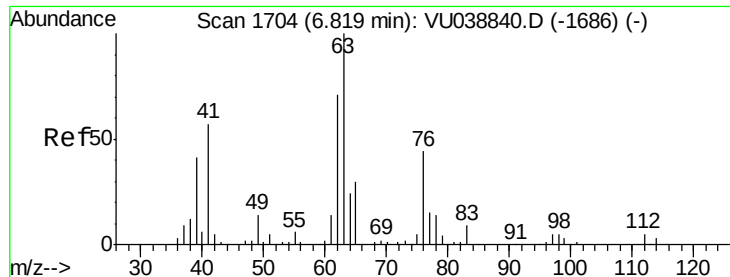
#35
 Methylcyclohexane
 Concen: 4.793 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. 0.00 min
 Lab File: VU038843.D
 Acq: 12 Jun 2020 11:23

Tgt Ion: 83 Resp: 179637
 Ion Ratio Lower Upper
 83 100
 55 79.2 64.2 96.2
 98 49.7 40.5 60.7



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

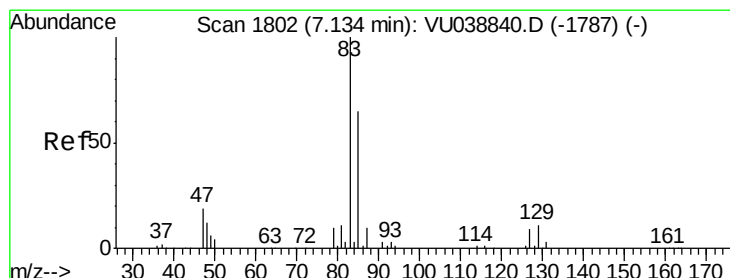
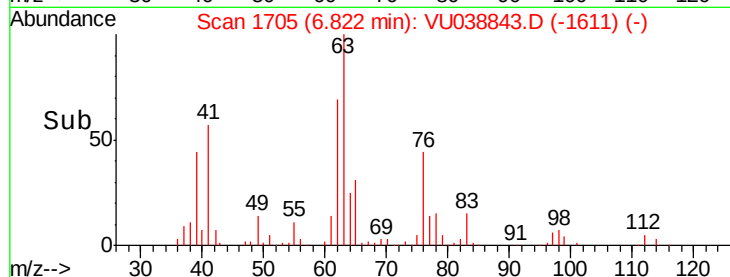
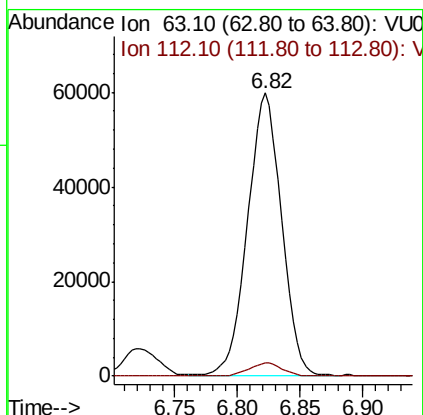
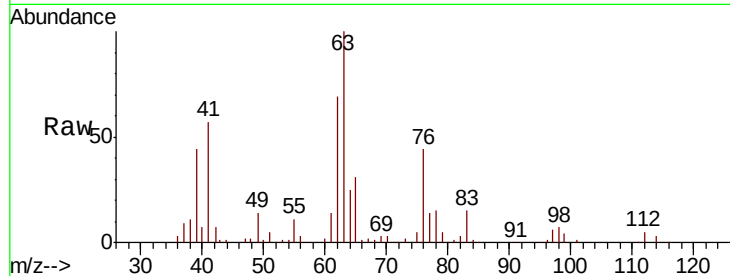




#37
 1,2-Dichloropropane
 Concen: 4.821 ug/L
 RT: 6.82 min Scan# 1705
 Delta R.T. 0.00 min
 Lab File: VU038843.D
 Acq: 12 Jun 2020 11:23

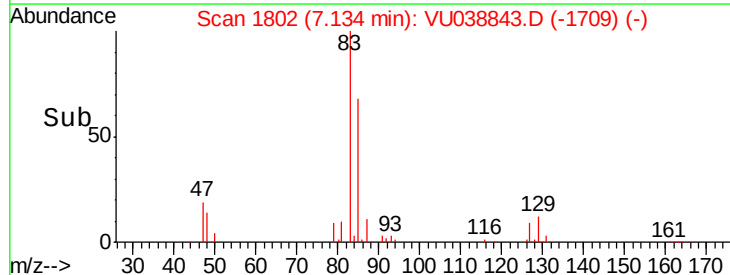
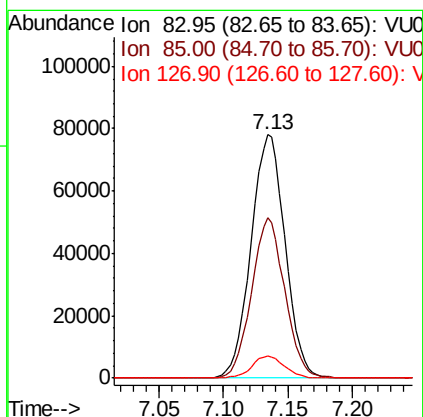
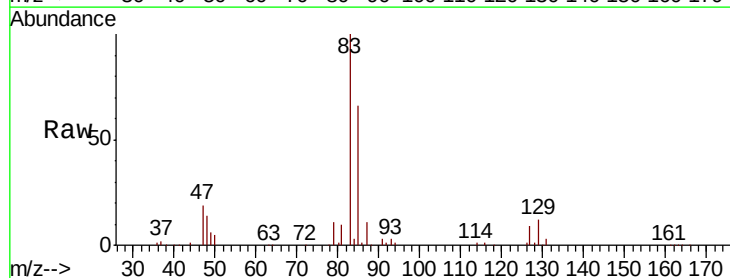
Instrument :
 MSVOA_U
 ClientSampleId :

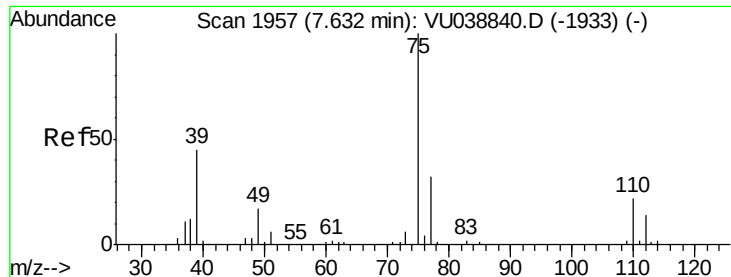
Tot Ion: 63 Resp: 112100
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.8 5.6



#38
 Bromodichloromethane
 Concen: 4.786 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VU038843.D
 Acq: 12 Jun 2020 11:23

Tgt Ion: 83 Resp: 144375
 Ion Ratio Lower Upper
 83 100
 85 66.1 45.3 84.1
 127 9.0 7.1 10.7

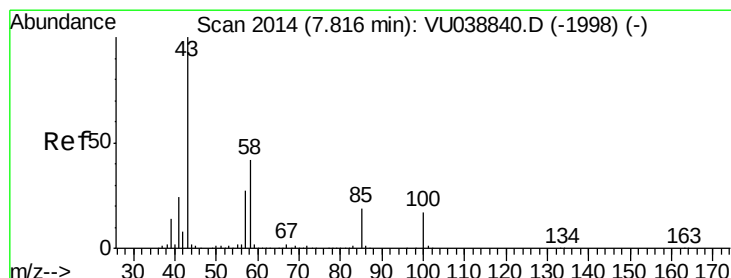
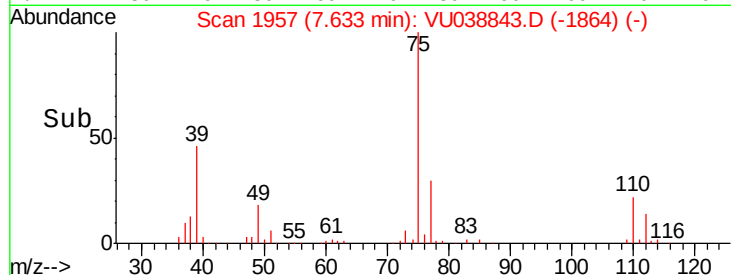
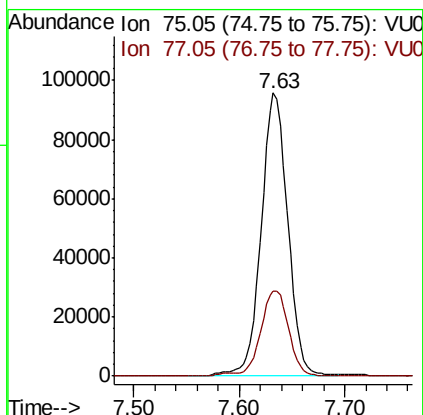
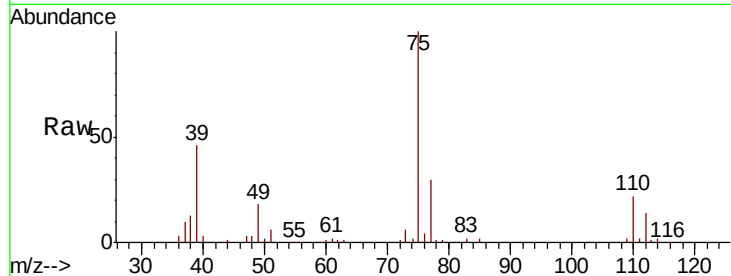




#39
 cis-1,3-Dichloropropene
 Concen: 4.902 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU038843.D
 Acq: 12 Jun 2020 11:23

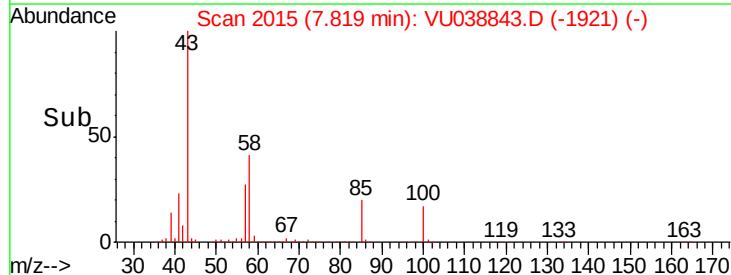
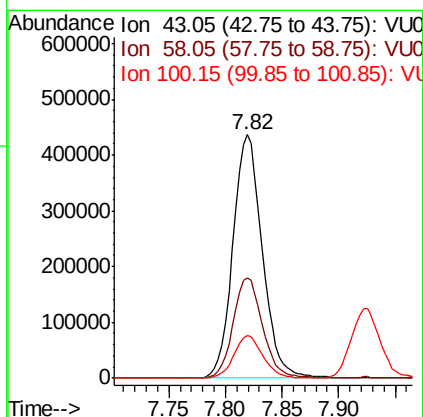
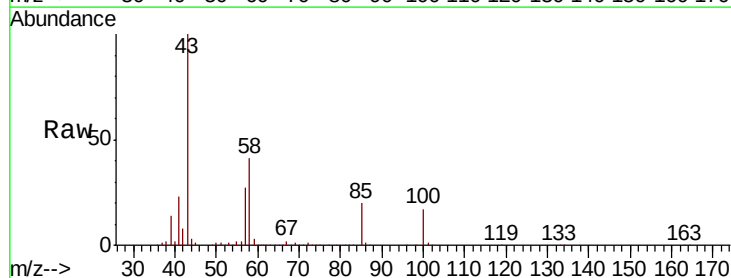
Instrument :
 MSVOA_U
 ClientSampleId :

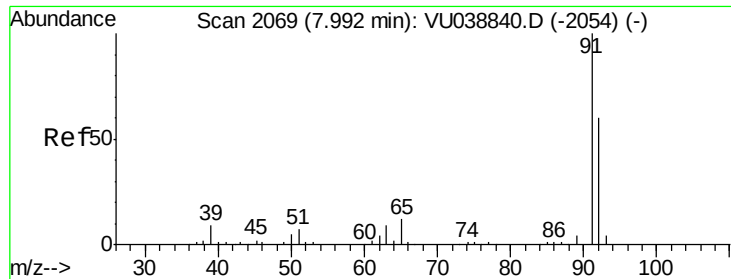
Tot Ion: 75 Resp: 168963
 Ion Ratio Lower Upper
 75 100
 77 30.2 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 50.721 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. 0.00 min
 Lab File: VU038843.D
 Acq: 12 Jun 2020 11:23

Tgt Ion: 43 Resp: 789307
 Ion Ratio Lower Upper
 43 100
 58 41.3 33.4 50.0
 100 17.2 13.5 20.3





#42

Toluene

Concen: 4.927 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU038843.D

Acq: 12 Jun 2020 11:23

Instrument :

MSVOA_U

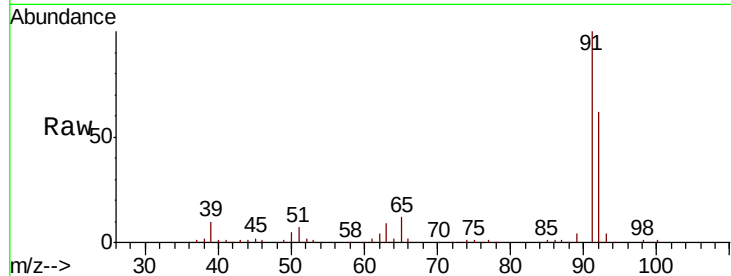
ClientSampleId :

Tot Ion: 91 Resp: 480129

Ion Ratio Lower Upper

91 100

92 62.3 42.4 78.6



Abundance Ion 91.15 (90.85 to 91.85): VU038840.D (-2054) (-)

Ion 92.15 (91.85 to 92.85): VU038840.D (-2054) (-)

8.00

250000

200000

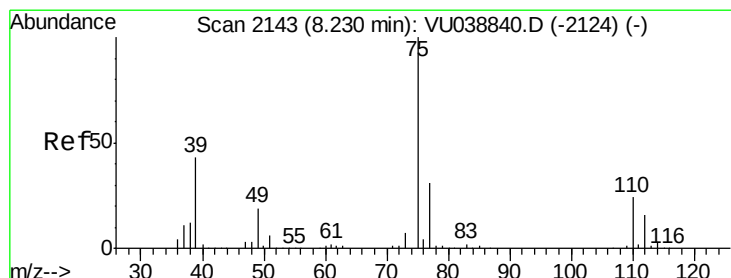
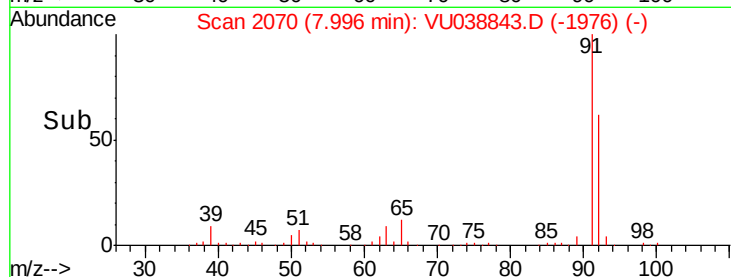
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.863 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU038843.D

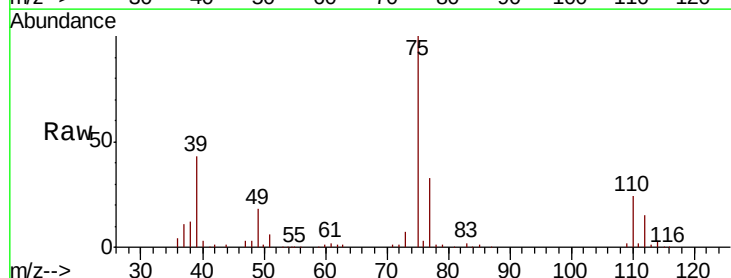
Acq: 12 Jun 2020 11:23

Tgt Ion: 75 Resp: 149306

Ion Ratio Lower Upper

75 100

77 32.6 21.9 40.7



Abundance Ion 75.05 (74.75 to 75.75): VU038840.D (-2124) (-)

Ion 77.05 (76.75 to 77.75): VU038840.D (-2124) (-)

8.23

100000

80000

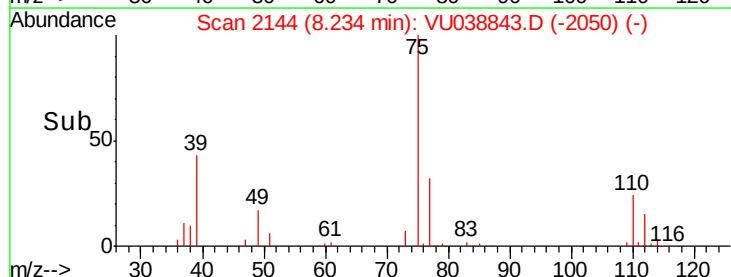
60000

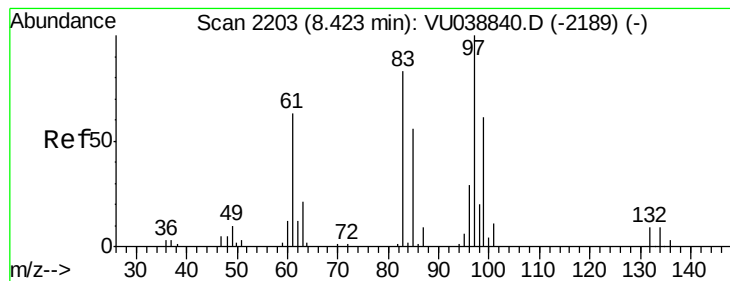
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 4.893 ug/L

RT: 8.43 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VU038843.D

Acq: 12 Jun 2020 11:23

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 97 Resp: 86773

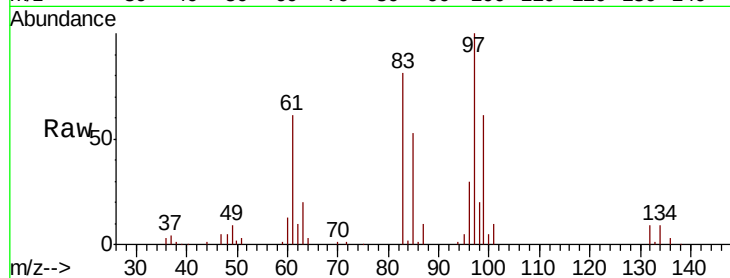
Ion Ratio Lower Upper

97 100

99 60.6 42.9 79.7

83 81.2 58.0 107.8

85 53.0 39.3 72.9



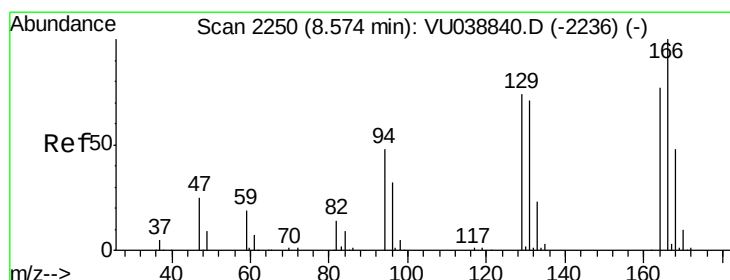
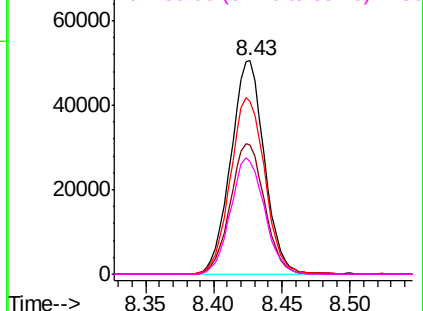
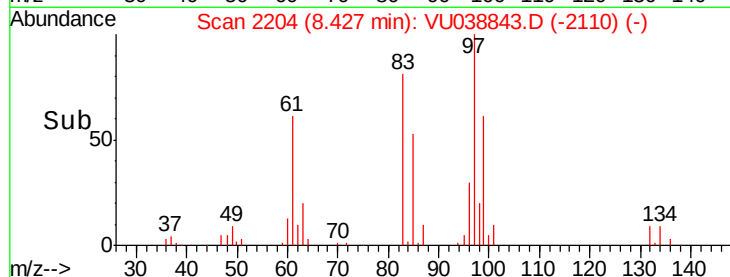
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 4.845 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. 0.00 min

Lab File: VU038843.D

Acq: 12 Jun 2020 11:23

Tgt Ion: 164 Resp: 89911

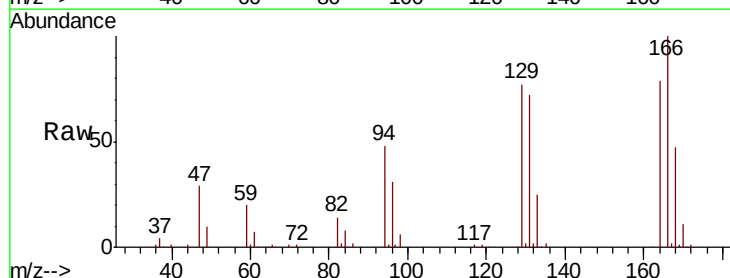
Ion Ratio Lower Upper

164 100

129 97.3 67.3 124.9

131 91.0 65.0 120.6

166 125.9 91.0 169.0



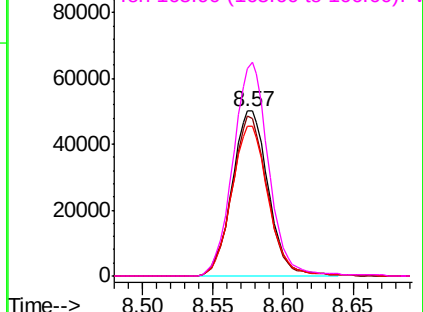
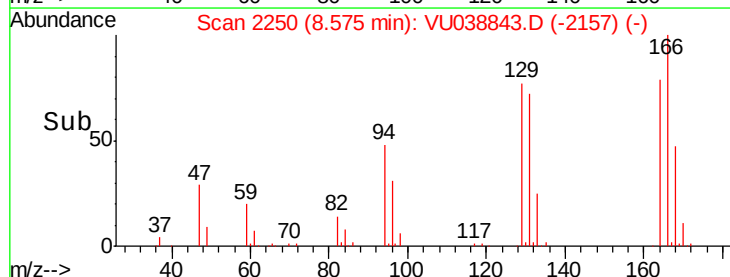
Abundance

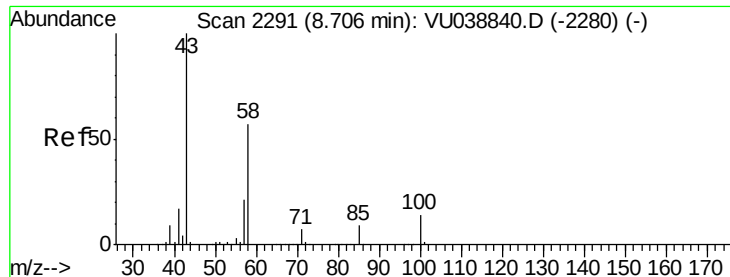
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

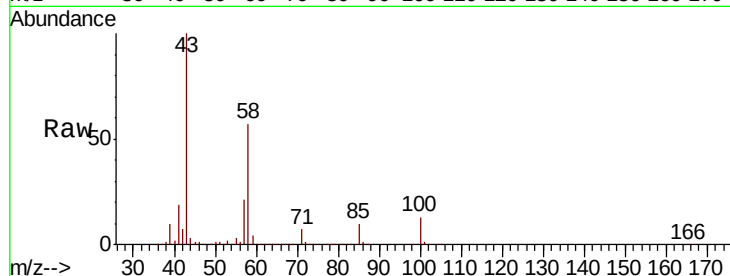




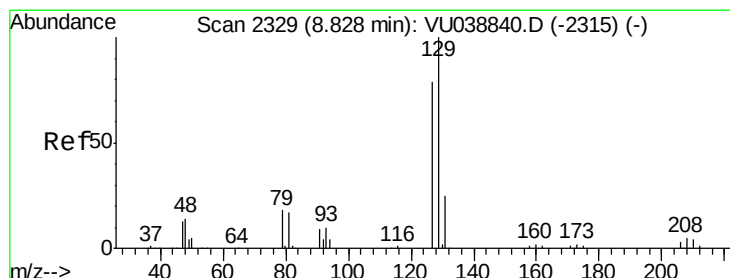
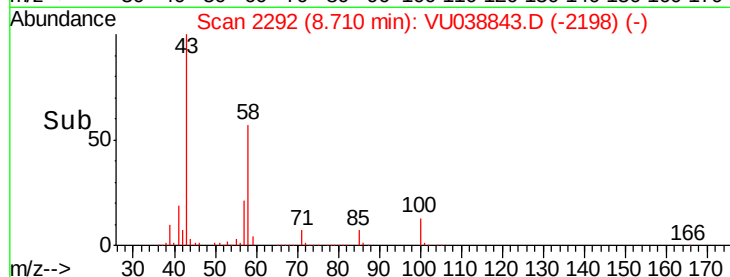
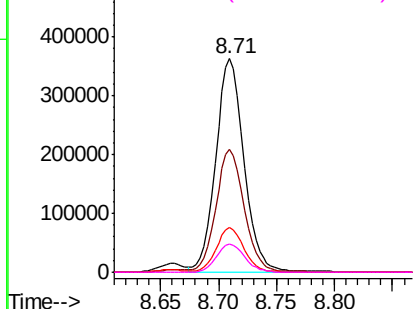
#48
2-Hexanone
Concen: 51.223 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU038843.D
Acq: 12 Jun 2020 11:23

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 612338
Ion Ratio Lower Upper
43 100
58 57.4 44.8 67.2
57 20.5 16.2 24.2
100 13.4 10.6 16.0

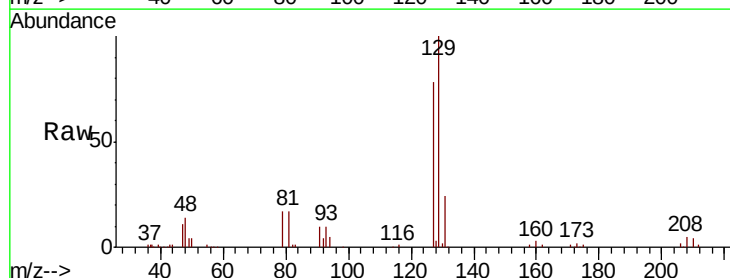


Abundance Ion 43.05 (42.75 to 43.75): VU038843.D (-2292) (-)
Ion 58.05 (57.75 to 58.75): VU038843.D (-2292) (-)
Ion 57.20 (56.90 to 57.90): VU038843.D (-2292) (-)
Ion 100.15 (99.85 to 100.85): VU038843.D (-2292) (-)

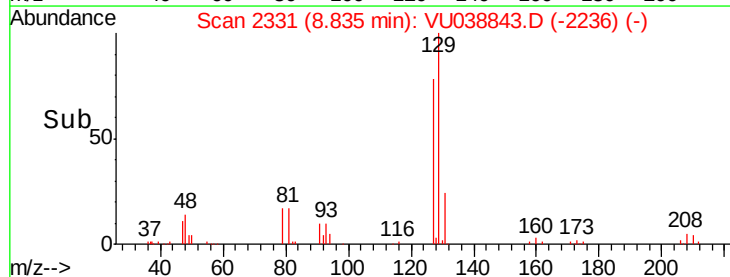
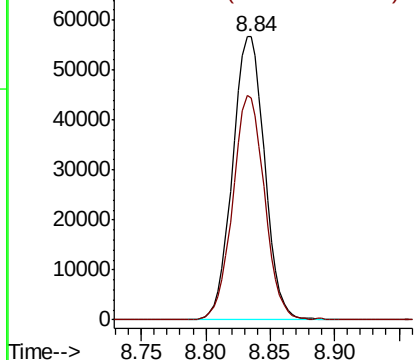


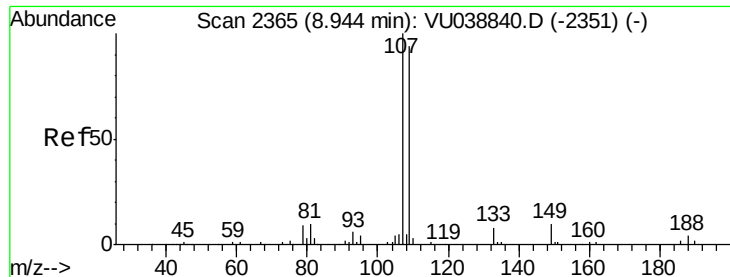
#49
Dibromochloromethane
Concen: 4.952 ug/L
RT: 8.84 min Scan# 2331
Delta R.T. 0.01 min
Lab File: VU038843.D
Acq: 12 Jun 2020 11:23

Tgt Ion: 129 Resp: 98036
Ion Ratio Lower Upper
129 100
127 78.5 55.5 103.1



Abundance Ion 128.95 (128.65 to 129.65): VU038843.D (-2331) (-)
Ion 126.90 (126.60 to 127.60): VU038843.D (-2331) (-)

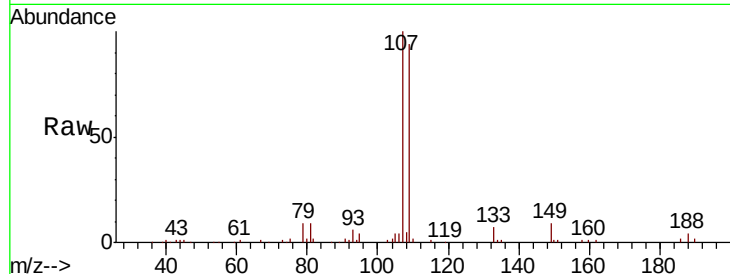




#50
1,2-Dibromoethane
Concen: 4.776 ug/L
RT: 8.95 min Scan# 2366
Delta R.T. 0.00 min
Lab File: VU038843.D
Acq: 12 Jun 2020 11:23

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	65.5	121.7
188	4.2	3.0	4.6

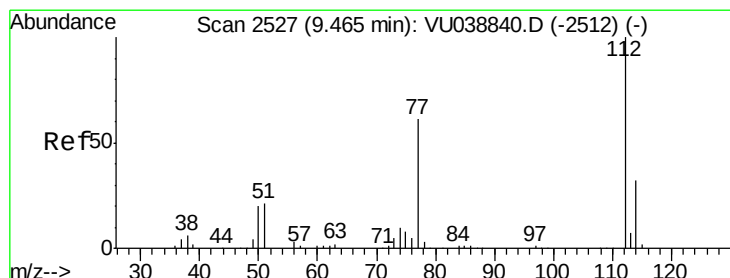
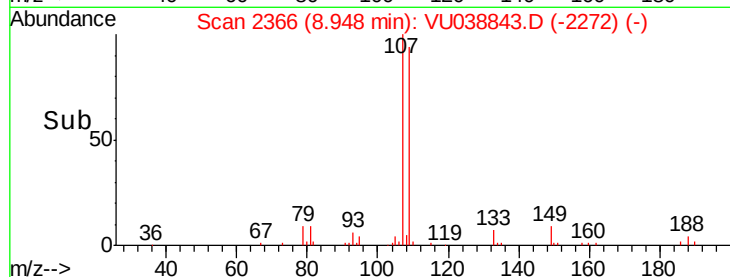
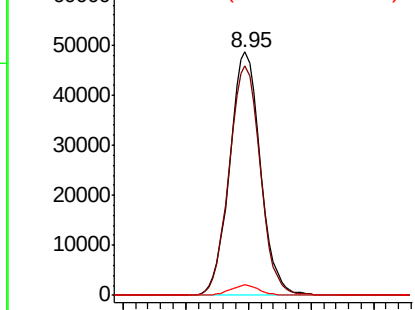


Abundance

Ion 106.95 (106.65 to 107.65): V

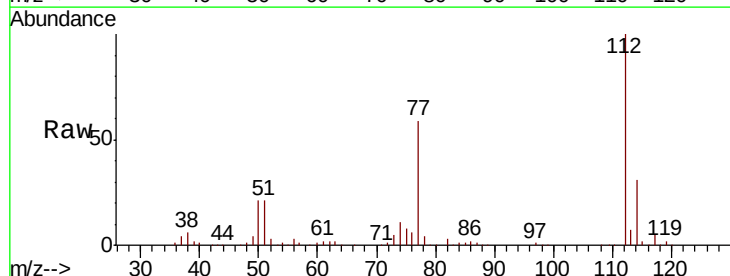
Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51
Chlorobenzene
Concen: 4.894 ug/L
RT: 9.47 min Scan# 2528
Delta R.T. 0.00 min
Lab File: VU038843.D
Acq: 12 Jun 2020 11:23

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.3	22.5	41.9
77	59.0	49.3	73.9

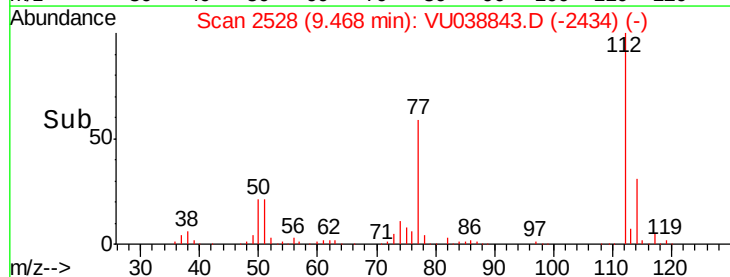
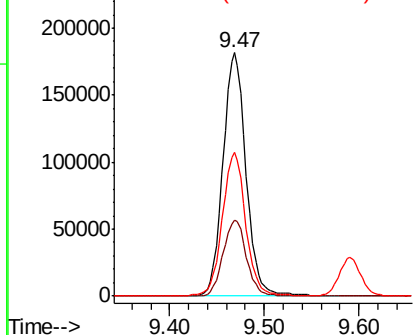


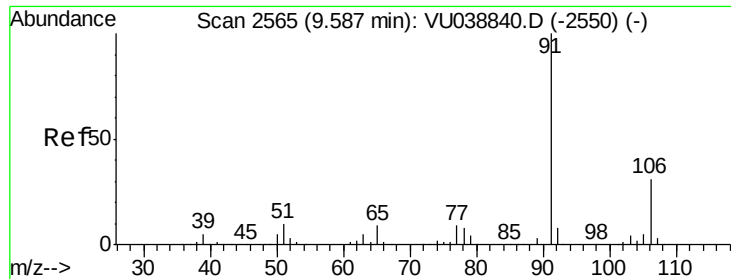
Abundance

Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU





#52

Ethylbenzene

Concen: 4.953 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VU038843.D

Acq: 12 Jun 2020 11:23

Instrument :

MSVOA_U

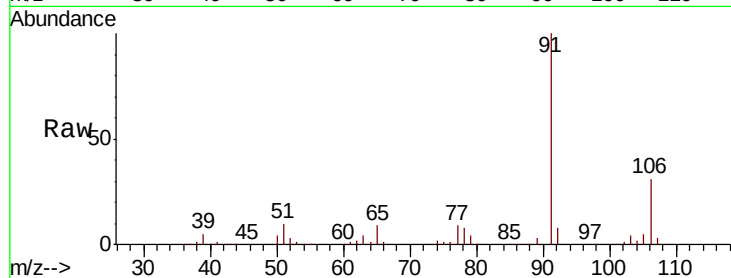
ClientSampleId :

Tot Ion: 91 Resp: 531747

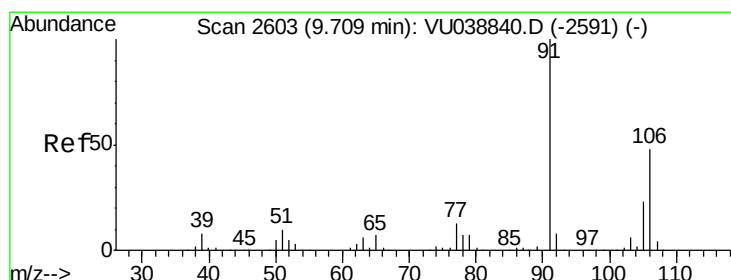
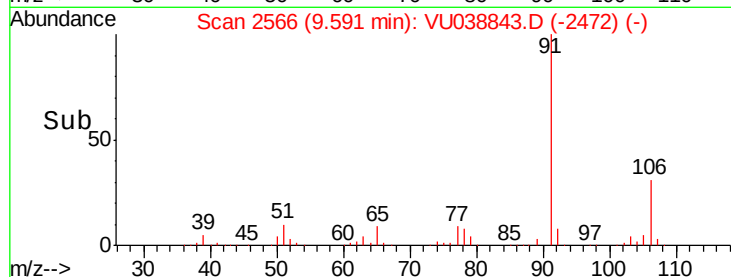
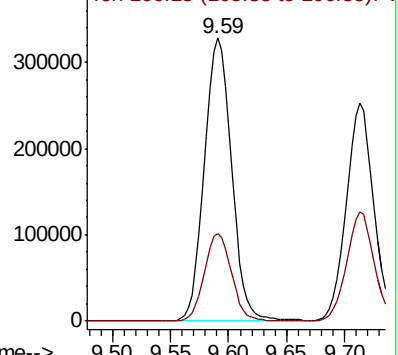
Ion Ratio Lower Upper

91 100

106 31.1 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VU038840.D (-2550) (-)



#53

m,p-Xylene

Concen: 5.202 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VU038843.D

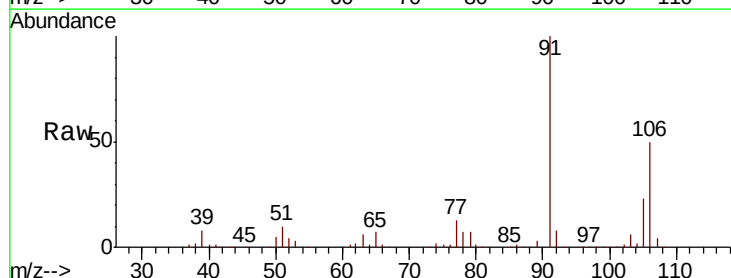
Acq: 12 Jun 2020 11:23

Tgt Ion: 106 Resp: 211027

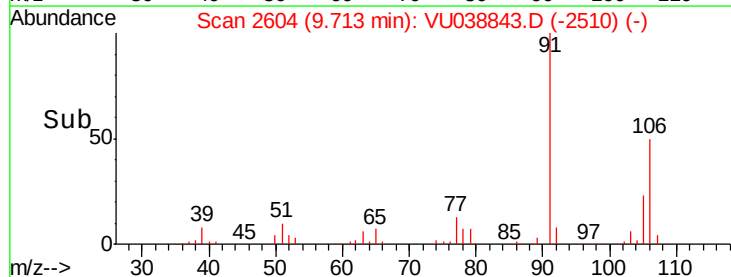
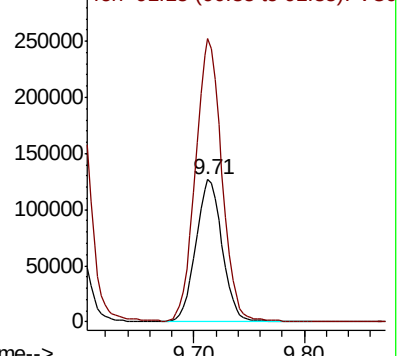
Ion Ratio Lower Upper

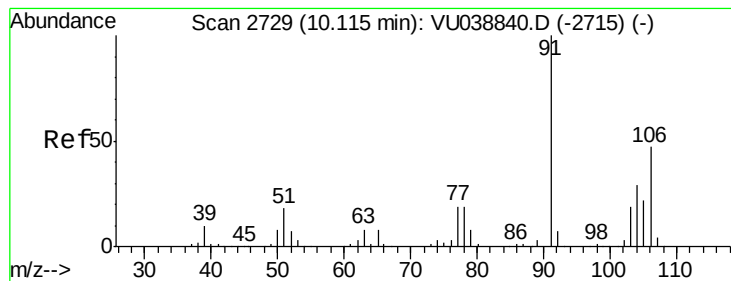
106 100

91 198.6 145.0 269.4



Abundance Ion 106.15 (105.85 to 106.85): VU038840.D (-2591) (-)





#54

o-Xylene

Concen: 5.051 ug/L

RT: 10.12 min Scan# 2731

Delta R.T. 0.01 min

Lab File: VU038843.D

Acq: 12 Jun 2020 11:23

Instrument :

MSVOA_U

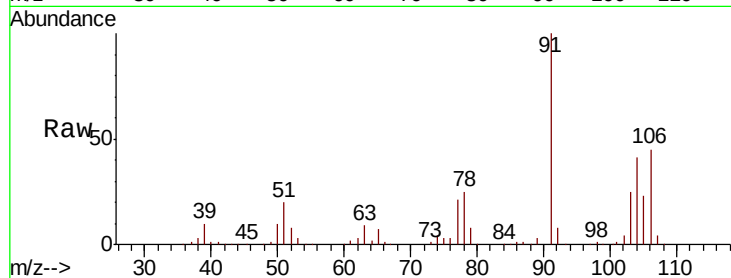
ClientSampleId :

Tot Ion:106 Resp: 196733

Ion Ratio Lower Upper

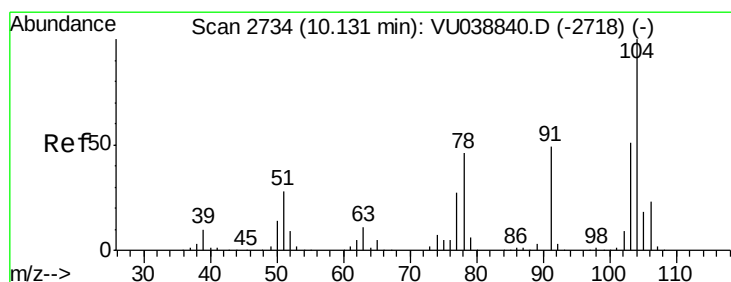
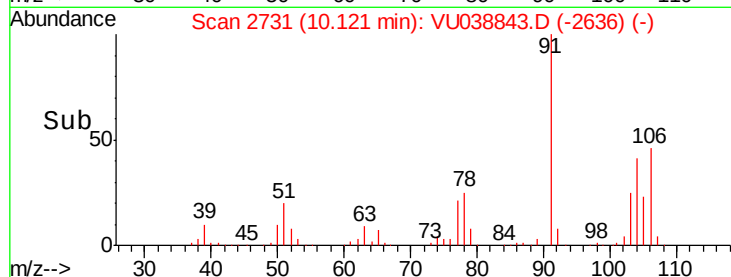
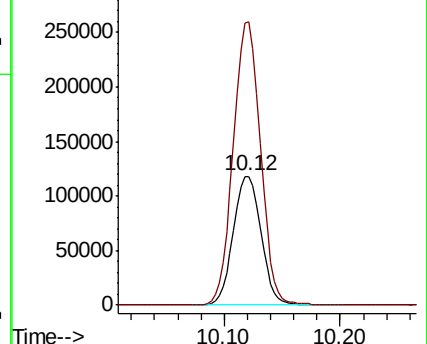
106 100

91 219.8 149.1 276.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 5.113 ug/L

RT: 10.13 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VU038843.D

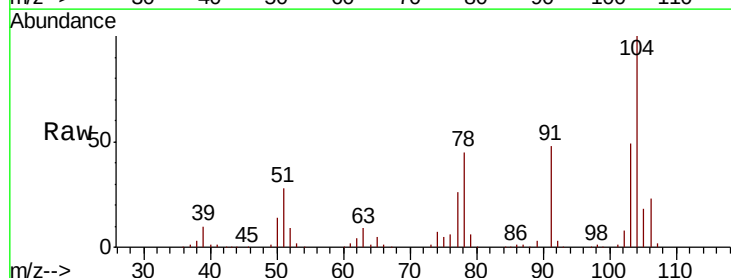
Acq: 12 Jun 2020 11:23

Tgt Ion:104 Resp: 342674

Ion Ratio Lower Upper

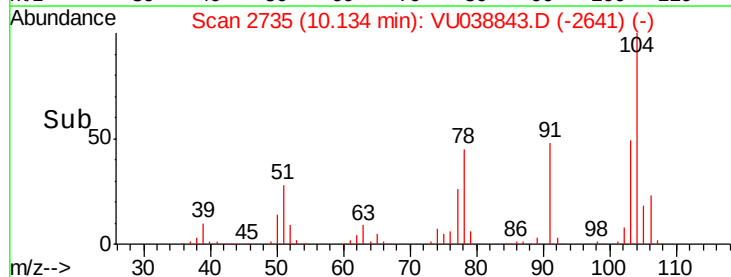
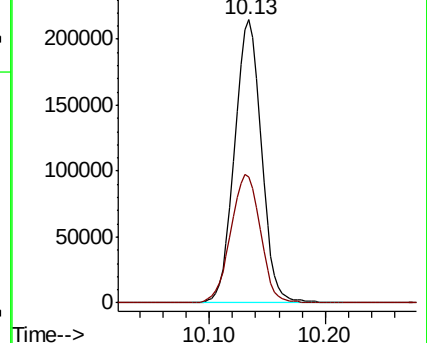
104 100

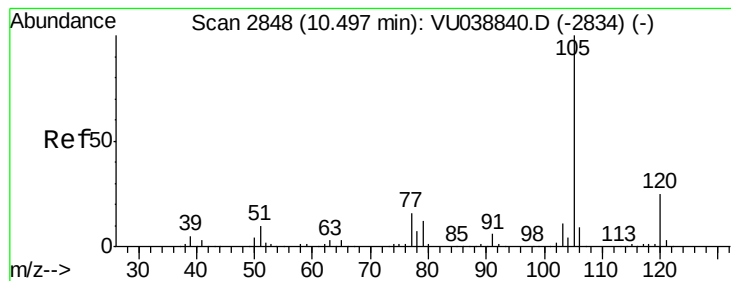
78 44.6 32.1 59.7



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 5.088 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU038843.D

Acq: 12 Jun 2020 11:23

Instrument :

MSVOA_U

ClientSampleId :

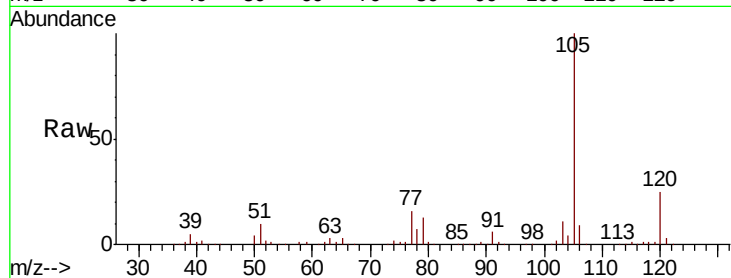
Tot Ion:105 Resp: 529778

Ion Ratio Lower Upper

105 100

120 25.6 20.6 30.8

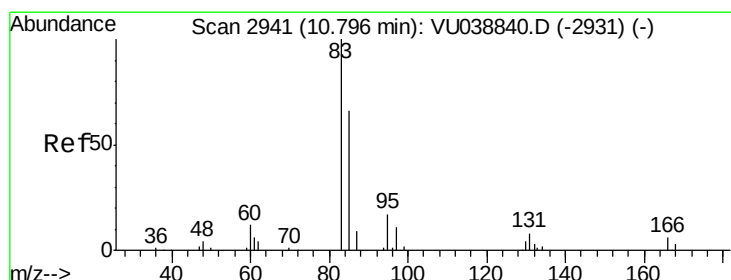
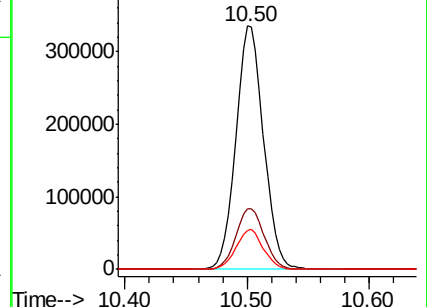
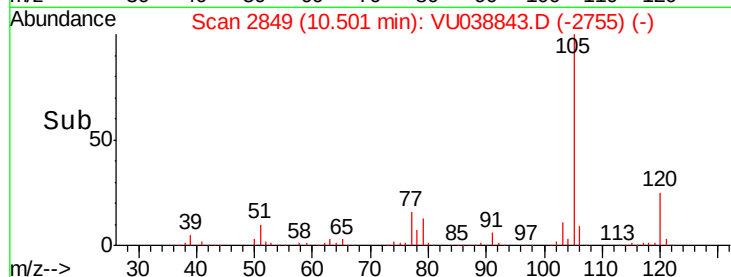
77 16.1 12.8 19.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.829 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU038843.D

Acq: 12 Jun 2020 11:23

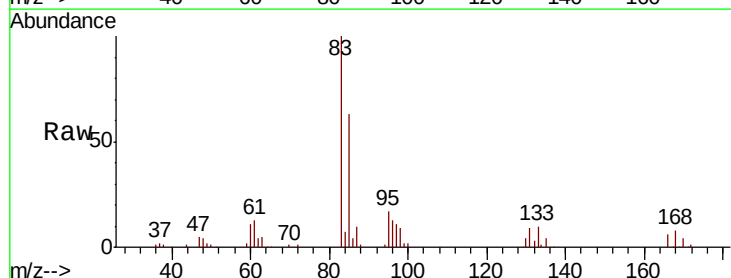
Tgt Ion: 83 Resp: 106479

Ion Ratio Lower Upper

83 100

85 63.3 46.5 86.3

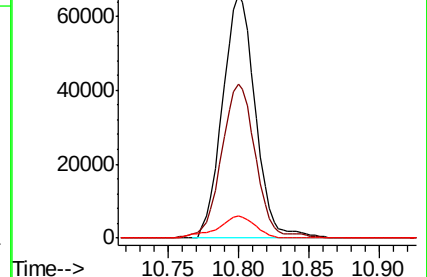
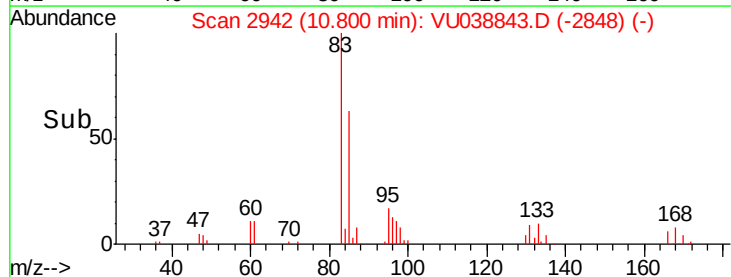
131 8.9 7.2 10.8

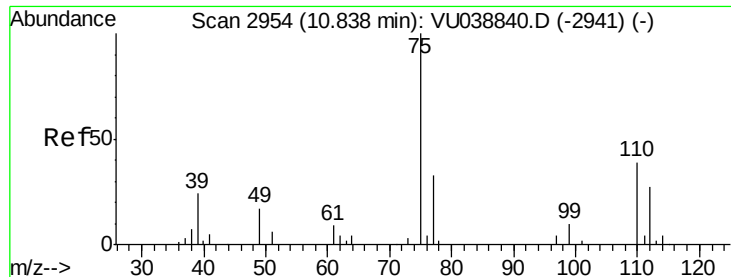


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.793 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. 0.00 min

Lab File: VU038843.D

Acq: 12 Jun 2020 11:23

Instrument :

MSVOA_U

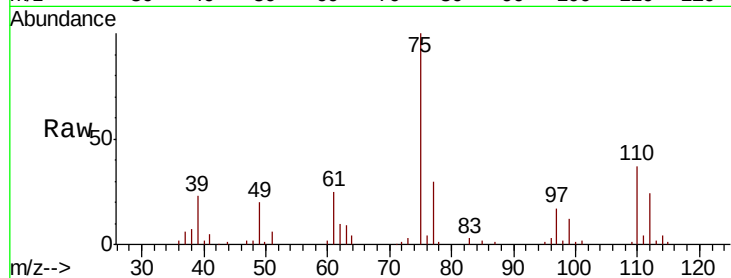
ClientSampled :

Tot Ion: 75 Resp: 82677

Ion Ratio Lower Upper

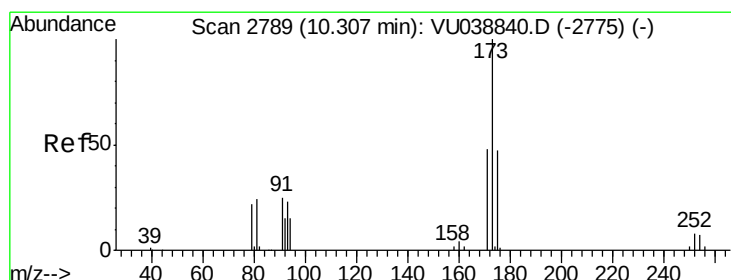
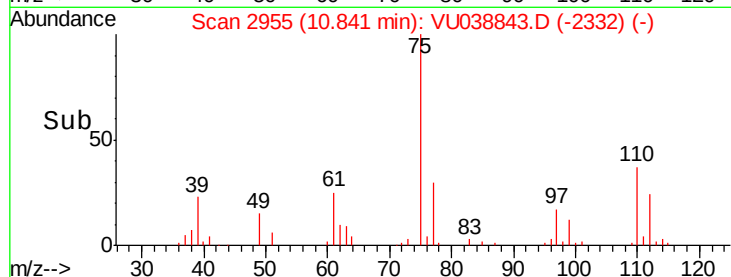
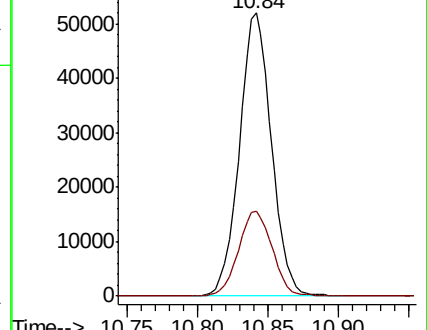
75 100

77 31.6 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VU038840.D (-2941) (-)

Ion 77.00 (76.70 to 77.70): VU038840.D (-2941) (-)



#61

Bromoform

Concen: 4.896 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VU038843.D

Acq: 12 Jun 2020 11:23

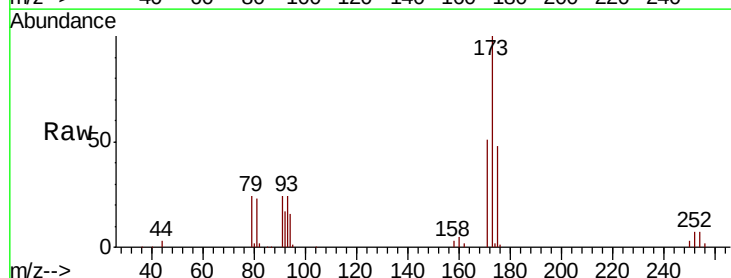
Tgt Ion: 173 Resp: 54985

Ion Ratio Lower Upper

173 100

175 48.3 38.3 57.5

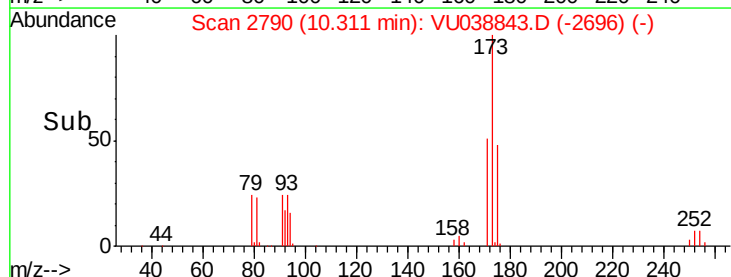
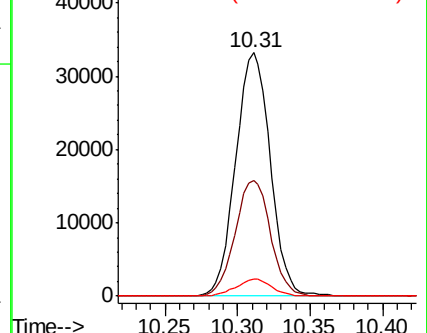
254 6.9 6.0 9.0

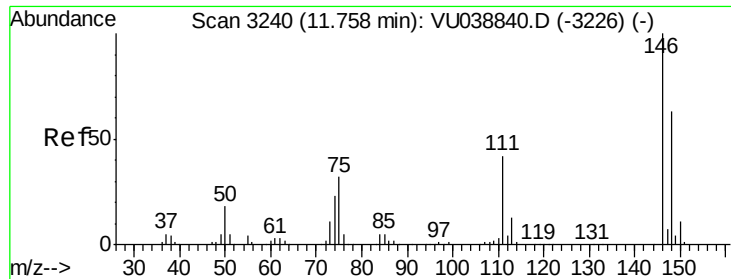


Abundance Ion 172.90 (172.60 to 173.60): VU038840.D (-2775) (-)

Ion 174.90 (174.60 to 175.60): VU038840.D (-2775) (-)

Ion 253.75 (253.45 to 254.45): VU038840.D (-2775) (-)





#62

1,3-Dichlorobenzene

Concen: 4.991 ug/L

RT: 11.76 min Scan# 3241

Delta R.T. 0.00 min

Lab File: VU038843.D

Acq: 12 Jun 2020 11:23

Instrument :

MSVOA_U

ClientSampled :

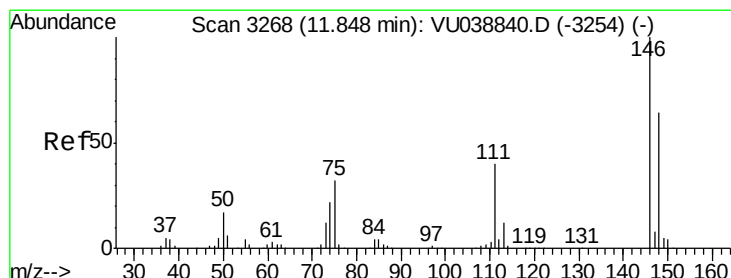
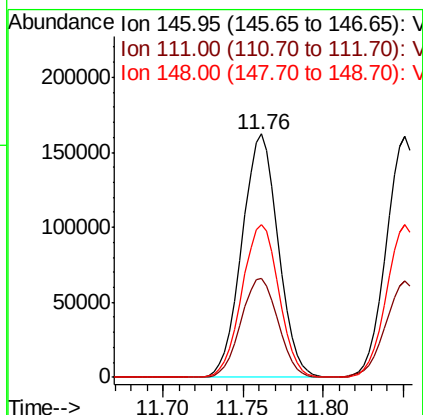
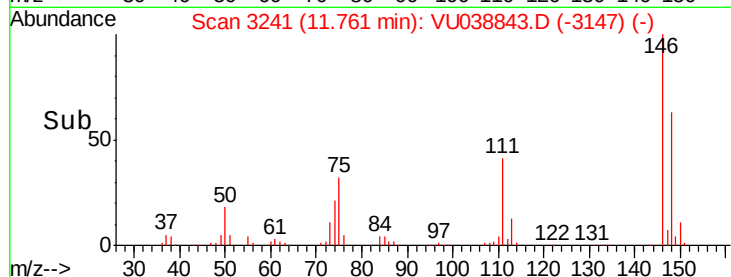
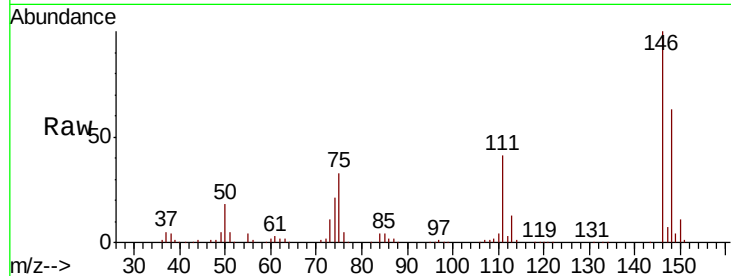
Tot Ion:146 Resp: 251225

Ion Ratio Lower Upper

146 100

111 40.5 29.5 54.9

148 63.0 43.8 81.3



#63

1,4-Dichlorobenzene

Concen: 4.951 ug/L

RT: 11.85 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VU038843.D

Acq: 12 Jun 2020 11:23

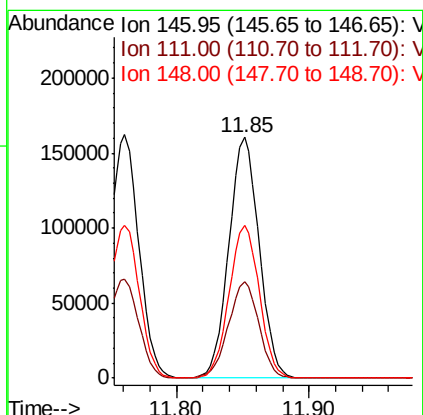
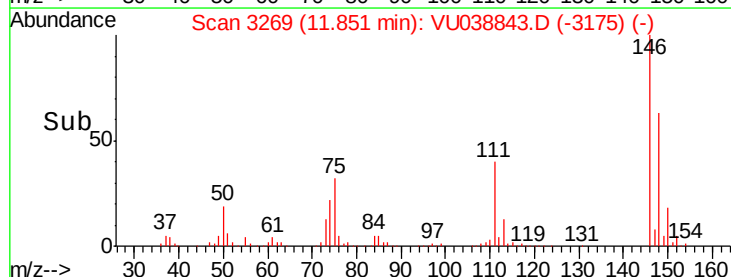
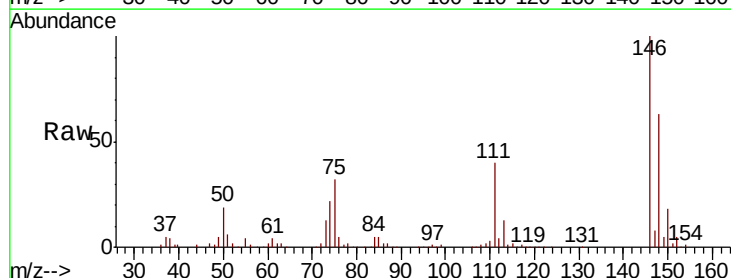
Tgt Ion:146 Resp: 254203

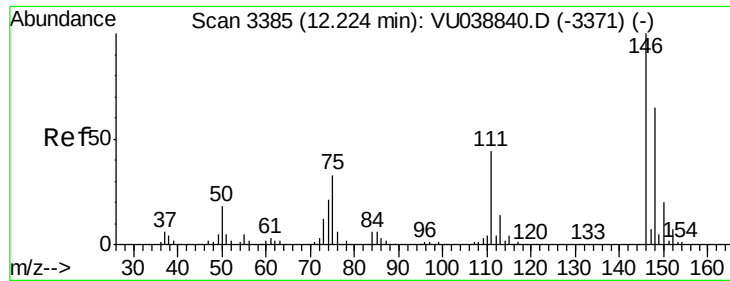
Ion Ratio Lower Upper

146 100

111 39.9 27.9 51.9

148 63.3 44.6 82.8

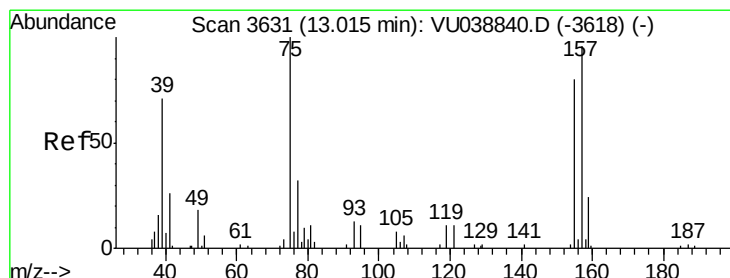
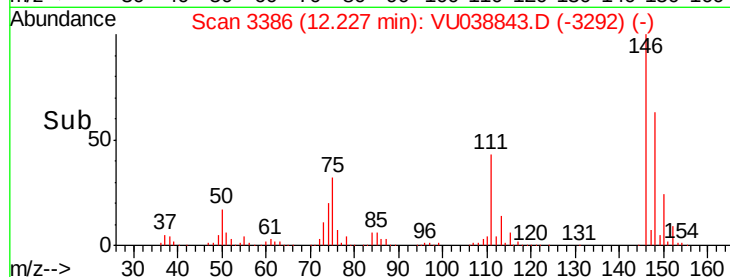
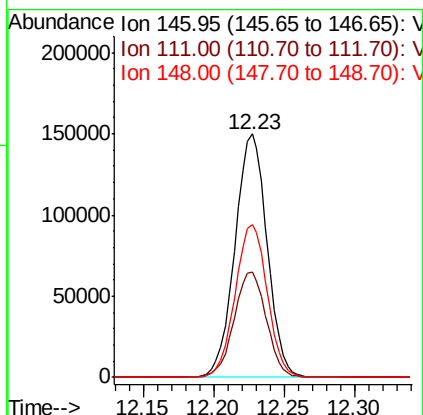
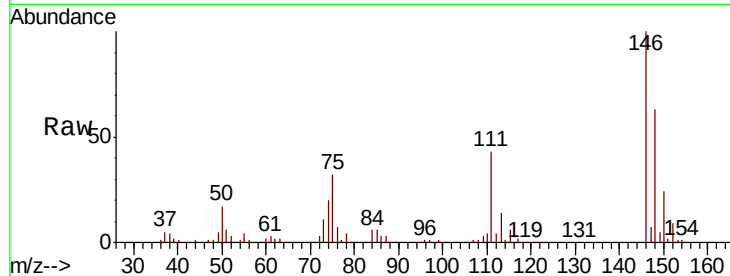




#65
 1,2-Dichlorobenzene
 Concen: 5.042 ug/L
 RT: 12.23 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU038843.D
 Acq: 12 Jun 2020 11:23

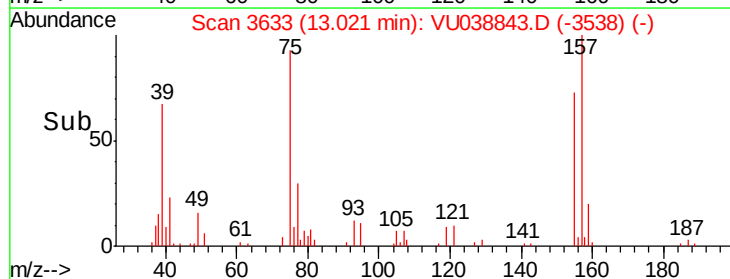
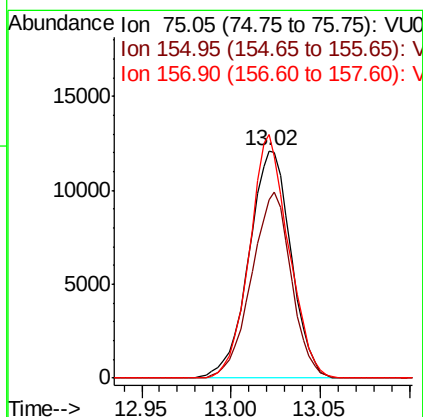
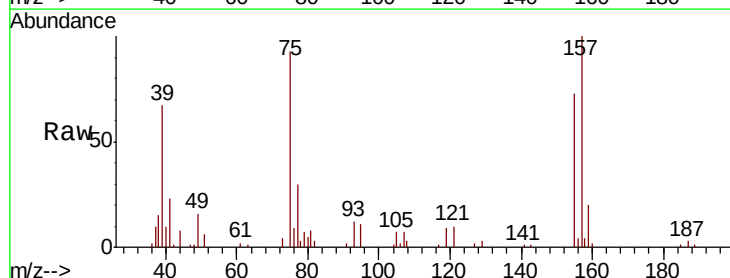
Instrument :
 MSVOA_U
 ClientSampleId :

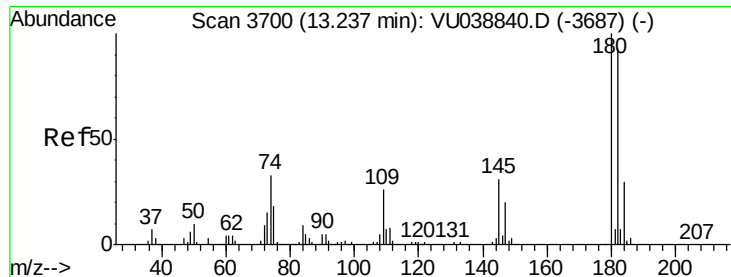
Tot Ion:146 Resp: 238762
 Ion Ratio Lower Upper
 146 100
 111 43.4 35.6 53.4
 148 62.8 51.8 77.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.197 ug/L
 RT: 13.02 min Scan# 3633
 Delta R.T. 0.01 min
 Lab File: VU038843.D
 Acq: 12 Jun 2020 11:23

Tgt Ion: 75 Resp: 19961
 Ion Ratio Lower Upper
 75 100
 155 78.6 63.7 95.5
 157 107.0 77.1 115.7

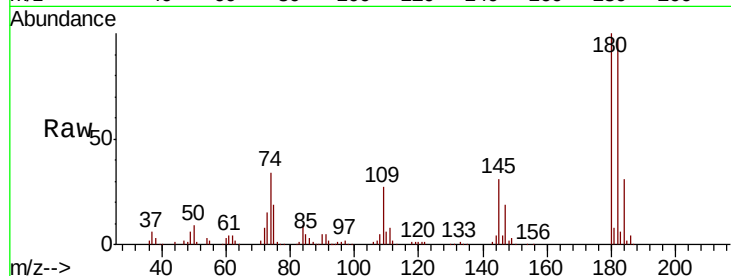




#67
 1,3,5-Trichlorobenzene
 Concen: 5.001 ug/L
 RT: 13.25 min Scan# 3703
 Delta R.T. 0.01 min
 Lab File: VU038843.D
 Acq: 12 Jun 2020 11:23

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	75.0	112.4
184	30.4	23.7	35.5
145	30.7	24.6	36.8



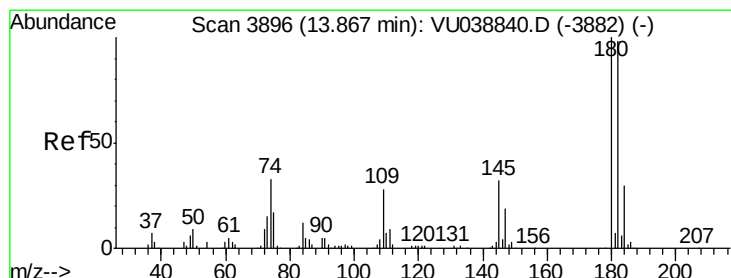
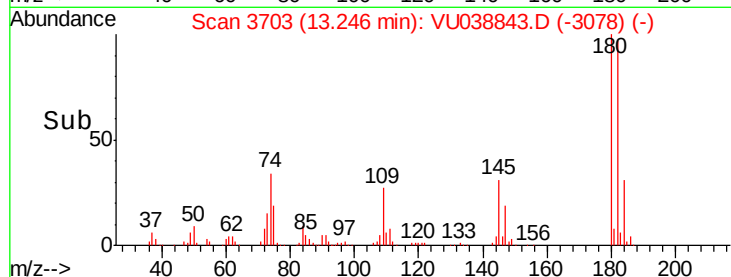
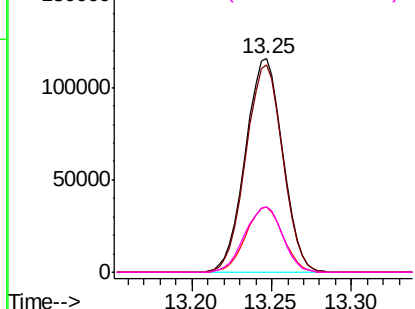
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

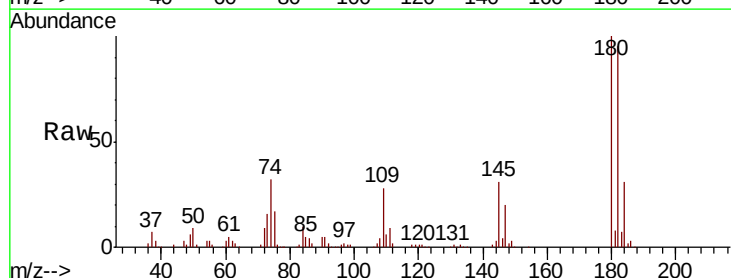
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.308 ug/L
 RT: 13.87 min Scan# 3898
 Delta R.T. 0.01 min
 Lab File: VU038843.D
 Acq: 12 Jun 2020 11:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	78.5	117.7
145	31.5	25.0	37.4

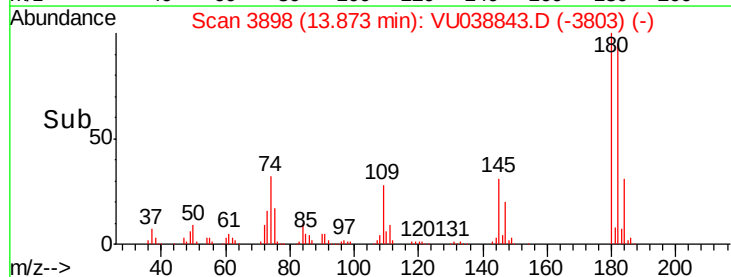
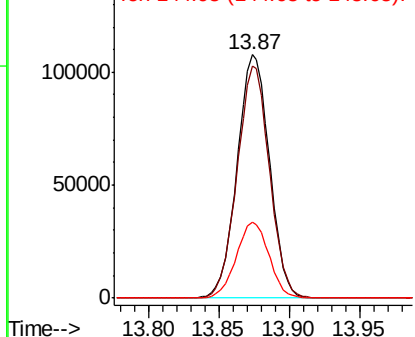


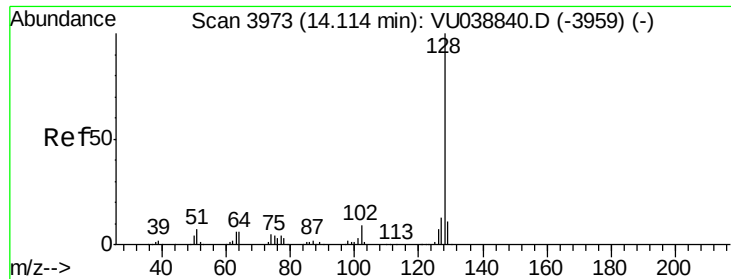
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.742 ug/L

RT: 14.12 min Scan# 3976

Delta R.T. 0.01 min

Lab File: VU038843.D

Acq: 12 Jun 2020 11:23

Instrument :

MSVOA_U

ClientSampleId :

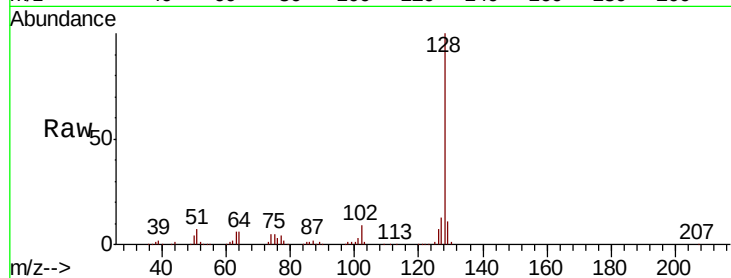
Tot Ion:128 Resp: 355707

Ion Ratio Lower Upper

128 100

129 10.7 8.9 13.3

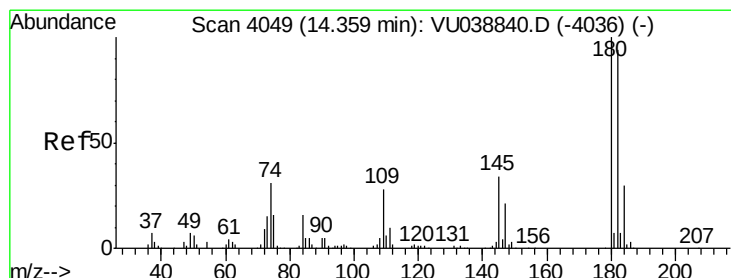
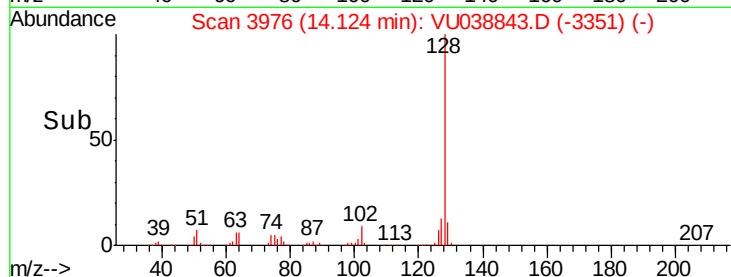
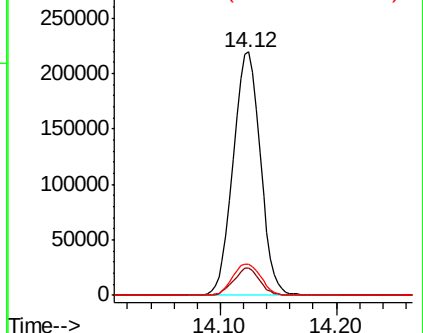
127 13.3 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.490 ug/L

RT: 14.37 min Scan# 4052

Delta R.T. 0.01 min

Lab File: VU038843.D

Acq: 12 Jun 2020 11:23

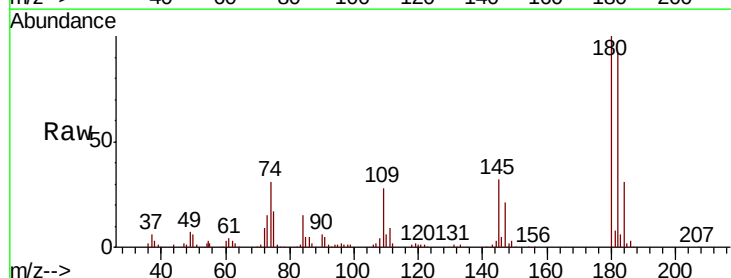
Tgt Ion:180 Resp: 163762

Ion Ratio Lower Upper

180 100

182 95.0 76.1 114.1

145 32.9 27.8 41.6



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

