

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U050420\
 Data File : VU038001.D
 Acq On : 04 May 2020 13:06
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 05 01:42:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U050420DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue May 05 01:36:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	6.15	96	90396	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.65	95	34632	0.99	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.00%	
68) 1,2-Dichlorobenzene-d4	12.21	152	34654	0.98	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.39	85	621748	14.809	ug/l	100
3) Chloromethane	1.54	50	699883	16.530	ug/l	99
4) Vinyl Chloride	1.62	62	742447	19.512	ug/l	99
5) Bromomethane	1.86	94	370507	25.825	ug/l	97
6) Chloroethane	1.94	64	434962	22.823	ug/l	98
7) Trichlorofluoromethane	2.15	101	784004	17.220	ug/l	98
8) 1,1,2-Trichloro-1,2,2-trif	2.60	101	478831	21.530	ug/l	99
9) 1,1-Dichloroethene	2.60	96	475346	22.310	ug/l	98
10) Iodomethane	2.75	142	491942	46.249	ug/l	99
11) Allyl Chloride	2.95	41	883309	21.408	ug/l	100
12) Acrylonitrile	3.35	53	263242	50.550	ug/l	98
13) Acetone	2.66	43	484571	87.528	ug/l	97
14) Carbon Disulfide	2.82	76	1716080	23.774	ug/l	100
15) Methylene Chloride	3.07	84	543864	20.142	ug/l	99
16) trans-1,2-Dichloroethene	3.38	96	514352	22.563	ug/l	99
17) 1,1-Dichloroethane	3.91	63	986595	19.283	ug/l	99
18) 2-Butanone	4.75	43	768877	92.082	ug/l	99
19) Cyclohexane	5.42	56	880252	19.951	ug/l	91
20) Methylcyclohexane	6.79	83	991296	22.659	ug/l	100
21) 2,2-Dichloropropane	4.70	77	825863	17.883	ug/l	100
22) cis-1,2-Dichloroethene	4.70	96	555962	20.254	ug/l	99
23) Diethyl Ether	2.40	59	418726	22.921	ug/l	99
24) tert-Butyl Alcohol	3.23	59	430715	220.029	ug/l	99
25) Methyl tert-Butyl Ether	3.40	73	1302501	21.026	ug/l	100
26) Bromochloromethane	5.01	128	218111	18.298	ug/l	99
27) Chloroform	5.13	83	919027	16.958	ug/l	98
28) 1,1,1-Trichloroethane	5.35	97	784125	17.086	ug/l	99
29) 1,1-Dichloropropene	5.56	75	777321	20.272	ug/l	99
30) Carbon Tetrachloride	5.56	117	663275	16.685	ug/l	100
31) Isopropyl Ether	4.04	45	1690462	20.650	ug/l	99
32) Ethyl-t-butyl ether	4.55	59	1523033	19.858	ug/l	99
33) Tert-Amyl methyl ether	5.98	73	1316628	20.042	ug/l	100
34) Propionitrile	4.82	54	225003	102.268	ug/l	98
35) Benzene	5.81	78	2155926	19.832	ug/l	100
36) 1,2-Dichloroethane	5.83	62	626447	16.313	ug/l	100
37) Trichloroethene	6.57	130	556212	19.469	ug/l	99
38) 1,2-Dichloropropane	6.82	63	581713	19.586	ug/l	99
39) Methacrylonitrile	5.02	41	198543	18.892	ug/l	99
40) Methyl acrylate	4.89	55	308981	20.799	ug/l	99
41) Tetrahydrofuran	5.10	42	197634	37.729	ug/l	99
42) 1-Chlorobutane	5.49	56	1122926	20.392	ug/l	100

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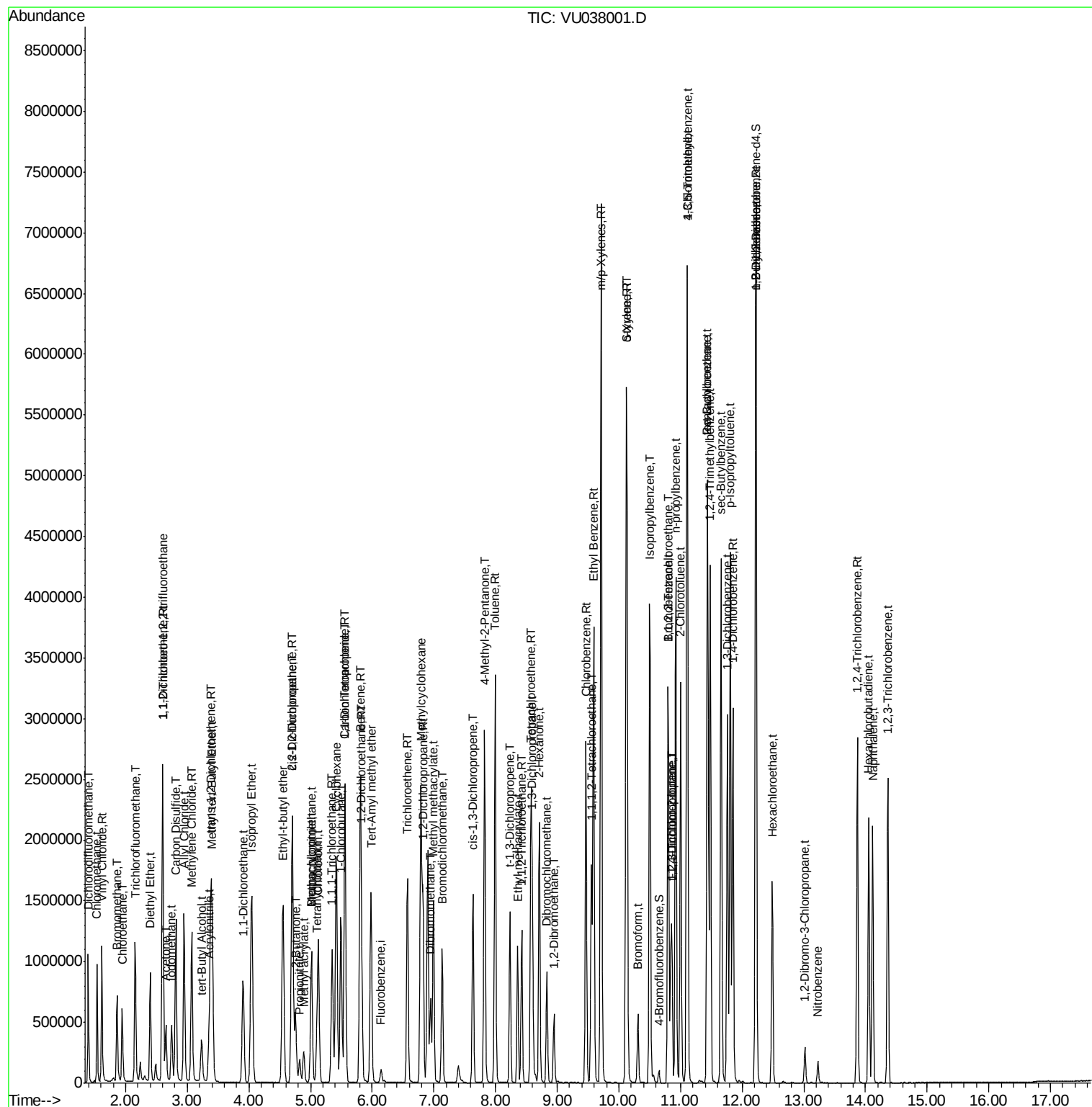
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.95	93	270001	17.995	ug/l	99
44) Bromodichloromethane	7.13	83	696893	17.921	ug/l	99
45) 4-Methyl-2-Pentanone	7.82	43	1879644	93.157	ug/l	100
46) t-1,4-Dichloro-2-butene	10.84	75	665988	120.915	ug/l #	41
47) Methyl methacrylate	6.99	69	572214	45.125	ug/l	99
48) Ethyl methacrylate	8.36	69	561852	22.477	ug/l	99
49) Toluene	7.99	92	1382634	21.091	ug/l	99
50) t-1,3-Dichloropropene	8.23	75	740851	20.759	ug/l	97
51) cis-1,3-Dichloropropene	7.63	75	879648	21.363	ug/l	99
52) 1,1,2-Trichloroethane	8.43	97	380354	18.854	ug/l	99
53) 1,3-Dichloropropane	8.60	76	718850	19.876	ug/l	100
54) 2-Hexanone	8.71	43	1320658	95.241	ug/l	100
55) Dibromochloromethane	8.83	129	447186	18.196	ug/l	99
56) 1,2-Dibromoethane	8.95	107	364184	19.256	ug/l	99
58) Tetrachloroethene	8.57	164	525583	19.592	ug/l	99
59) Chlorobenzene	9.47	112	1476187	20.191	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.56	131	473248	18.220	ug/l	98
61) Pentachloroethane	11.44	117	367528	18.533	ug/l	98
62) Hexachloroethane	12.49	117	372324	17.677	ug/l	100
63) Ethyl Benzene	9.59	91	2674476	21.440	ug/l	100
64) m/p-Xylenes	9.71	106	2085543	44.159	ug/l	100
65) o-Xylene	10.12	106	1006593	22.031	ug/l	99
66) Styrene	10.13	104	1719835	23.039	ug/l	99
67) Bromoform	10.31	173	247070	19.159	ug/l	99
69) Isopropylbenzene	10.50	105	2660044	21.437	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.80	83	509493	19.259	ug/l	97
71) 1,2,3-Trichloropropane	10.84	75	665988	31.926	ug/l	69
72) Bromobenzene	10.80	156	585993	19.515	ug/l	99
73) n-propylbenzene	10.92	120	737665	22.376	ug/l	99
74) 2-Chlorotoluene	11.00	126	602360	20.419	ug/l	97
75) 1,3,5-Trimethylbenzene	11.10	105	2235059	21.026	ug/l	100
76) 4-Chlorotoluene	11.11	126	633207	21.216	ug/l	99
77) tert-Butylbenzene	11.44	119	2122681	20.466	ug/l	99
78) 1,2,4-Trimethylbenzene	11.48	105	2295229	21.433	ug/l	100
79) sec-Butylbenzene	11.66	105	3017011	21.225	ug/l	100
80) Nitrobenzene	13.23	77	88261	146.364	ug/l	98
81) p-Isopropyltoluene	11.81	119	2476205	22.142	ug/l	100
82) 1,3-Dichlorobenzene	11.76	146	1196014	20.168	ug/l	99
83) 1,4-Dichlorobenzene	11.85	146	1193231	19.871	ug/l	100
84) n-Butylbenzene	12.22	91	2503147	23.393	ug/l	100
85) 1,2-Dichlorobenzene	12.23	146	1115457	19.487	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	13.02	75	76791	16.985	ug/l	98
87) 1,2,4-Trichlorobenzene	13.87	180	831648	27.614	ug/l	99
88) Hexachlorobutadiene	14.05	225	373188	20.750	ug/l	99
89) Naphthalene	14.12	128	1632305	31.261	ug/l	100
90) 1,2,3-Trichlorobenzene	14.36	180	746087	25.721	ug/l	100

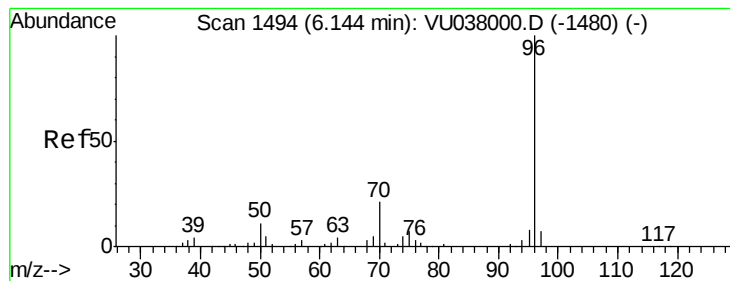
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.15 min Scan# 1495

Delta R.T. 0.00 min

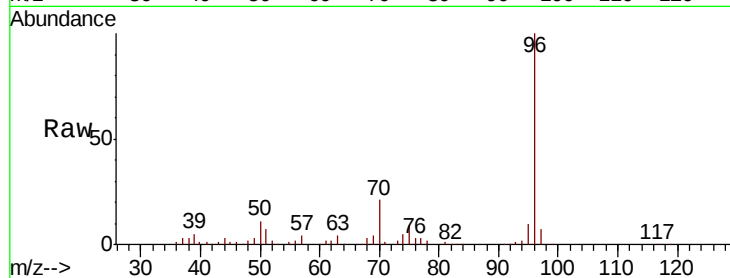
Lab File: VU038001.D

Acq: 04 May 2020 13:06

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 96 Resp: 90396

Ion	Ratio	Lower	Upper
96	100		
70	17.1	14.4	21.6
95	0.0	7.1	10.7#
97	0.0	0.0	0.0

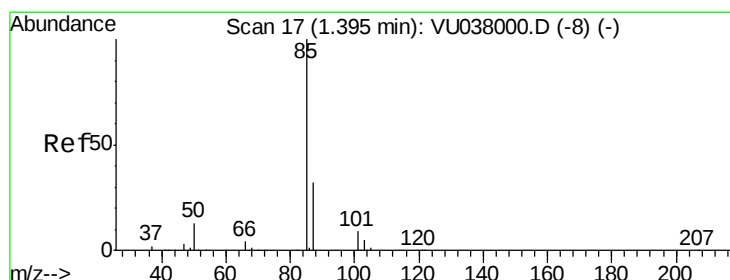
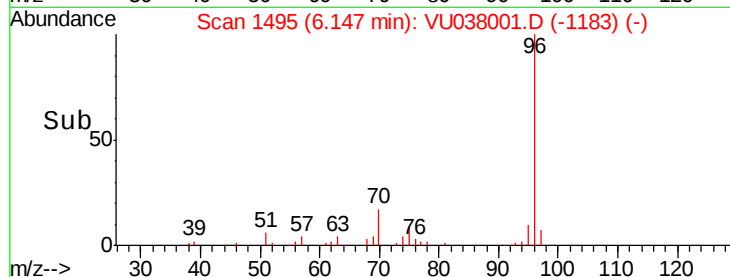
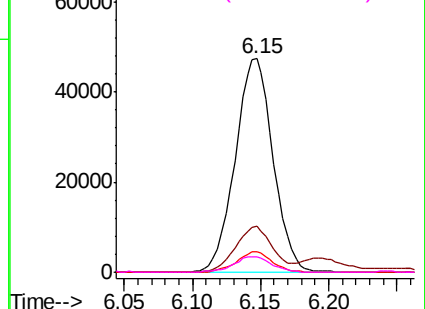


Abundance Ion 96.00 (95.70 to 96.70): VU038001.D (-1480) (-)

Ion 70.00 (69.70 to 70.70): VU038001.D (-1480) (-)

Ion 95.00 (94.70 to 95.70): VU038001.D (-1480) (-)

Ion 97.00 (96.70 to 97.70): VU038001.D (-1480) (-)



#2

Dichlorodifluoromethane

Concen: 14.809 ug/l

RT: 1.39 min Scan# 17

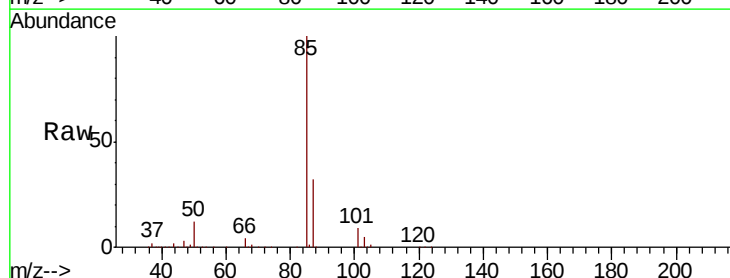
Delta R.T. 0.00 min

Lab File: VU038001.D

Acq: 04 May 2020 13:06

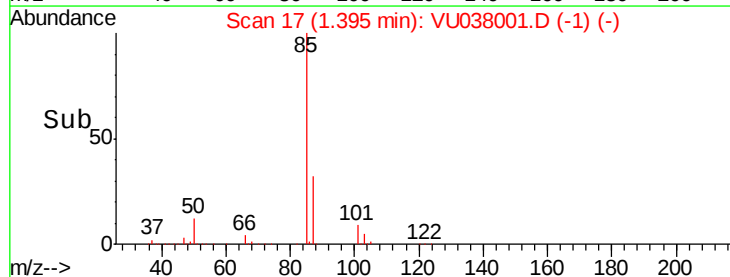
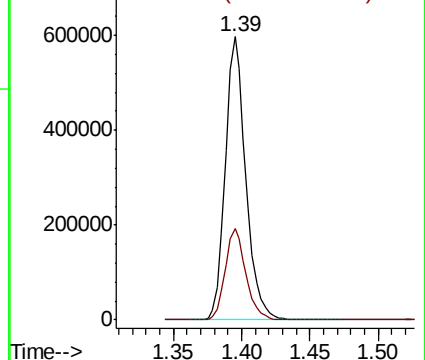
Tgt Ion: 85 Resp: 621748

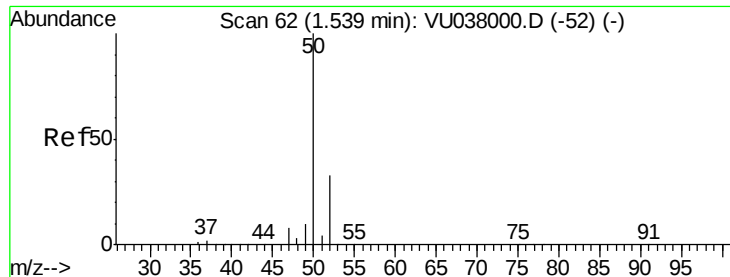
Ion	Ratio	Lower	Upper
85	100		
87	32.4	16.2	48.5



Abundance Ion 85.00 (84.70 to 85.70): VU038001.D (-1183) (-)

Ion 87.00 (86.70 to 87.70): VU038001.D (-1183) (-)





#3

Chloromethane

Concen: 16.530 ug/l

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU038001.D

Acq: 04 May 2020 13:06

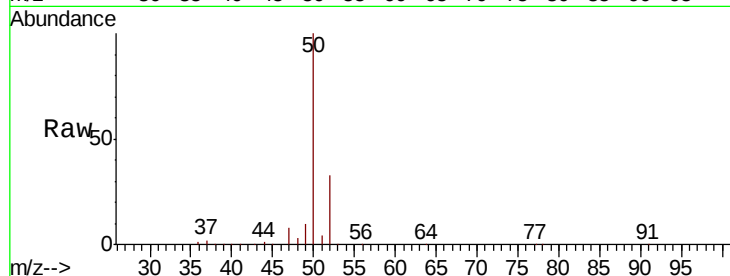
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 50 Resp: 699883

Ion Ratio Lower Upper

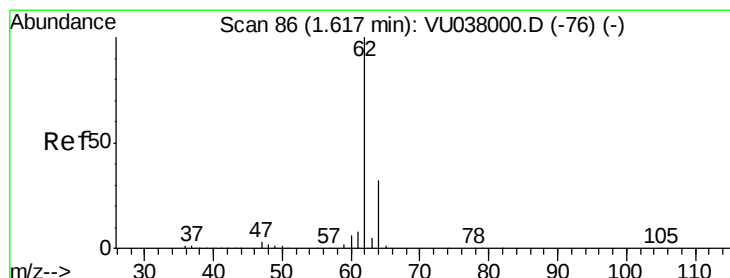
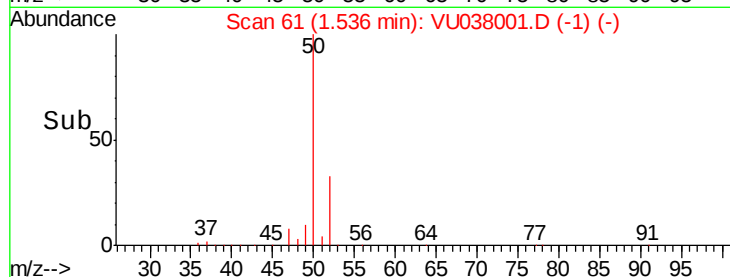
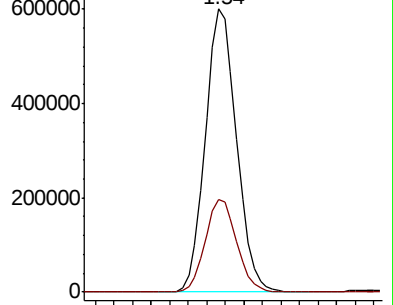
50 100

52 32.9 26.1 39.1



Abundance Ion 50.00 (49.70 to 50.70): VU038001.D (-52) (-)

Ion 52.00 (51.70 to 52.70): VU038001.D (-52) (-)



#4

Vinyl Chloride

Concen: 19.512 ug/l

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU038001.D

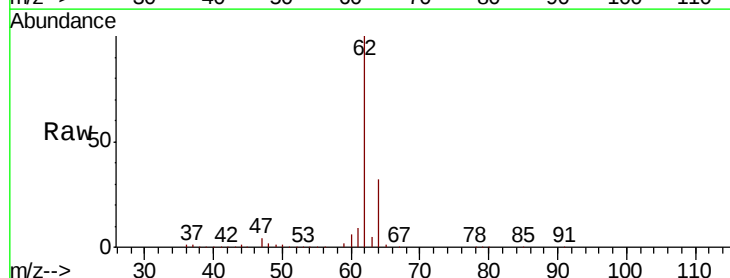
Acq: 04 May 2020 13:06

Tgt Ion: 62 Resp: 742447

Ion Ratio Lower Upper

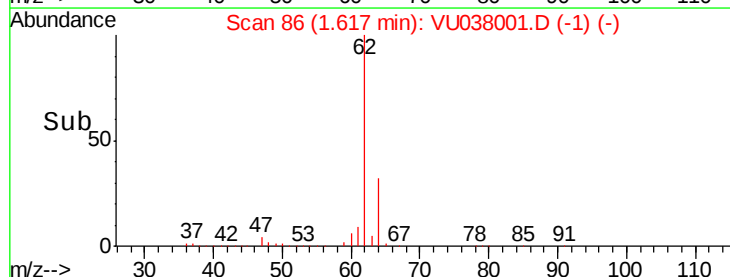
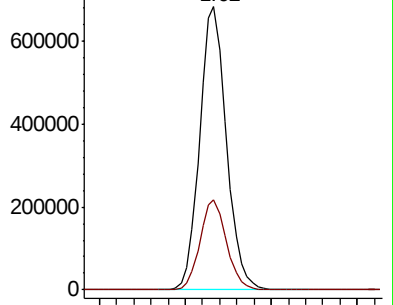
62 100

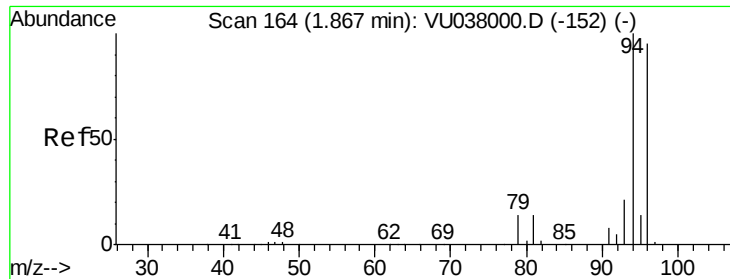
64 31.6 25.7 38.5



Abundance Ion 62.00 (61.70 to 62.70): VU038001.D (-76) (-)

Ion 64.00 (63.70 to 64.70): VU038001.D (-76) (-)





#5

Bromomethane

Concen: 25.825 ug/l

RT: 1.86 min Scan# 162

Delta R.T. -0.01 min

Lab File: VU038001.D

Acq: 04 May 2020 13:06

Instrument :

MSVOA_U

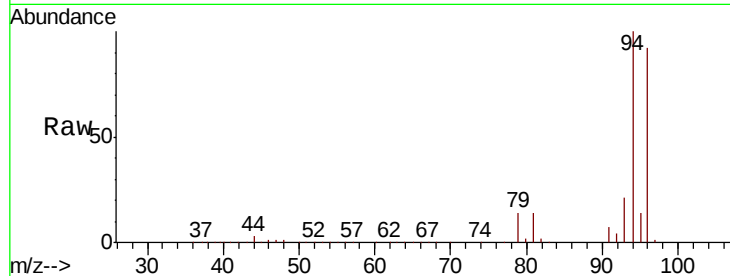
ClientSampled :

Tot Ion: 94 Resp: 370507

Ion Ratio Lower Upper

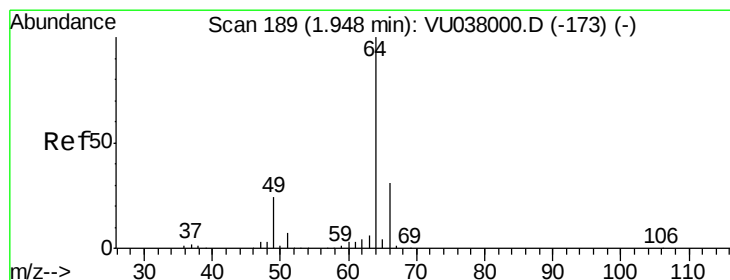
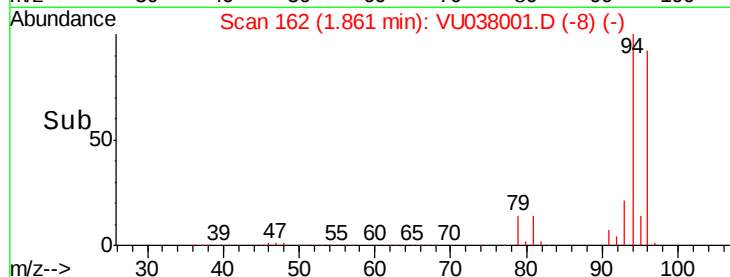
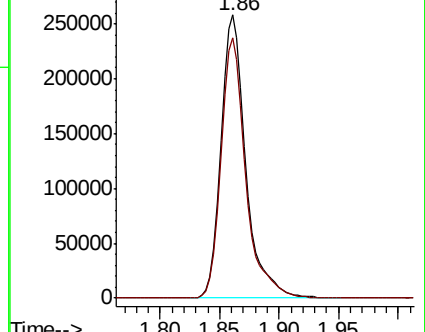
94 100

96 91.9 76.1 114.1



Abundance Ion 94.00 (93.70 to 94.70): VU038001.D (-152) (-)

Ion 96.00 (95.70 to 96.70): VU038001.D (-152) (-)



#6

Chloroethane

Concen: 22.823 ug/l

RT: 1.94 min Scan# 188

Delta R.T. -0.00 min

Lab File: VU038001.D

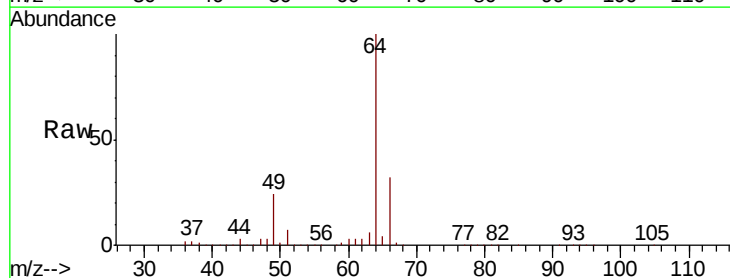
Acq: 04 May 2020 13:06

Tgt Ion: 64 Resp: 434962

Ion Ratio Lower Upper

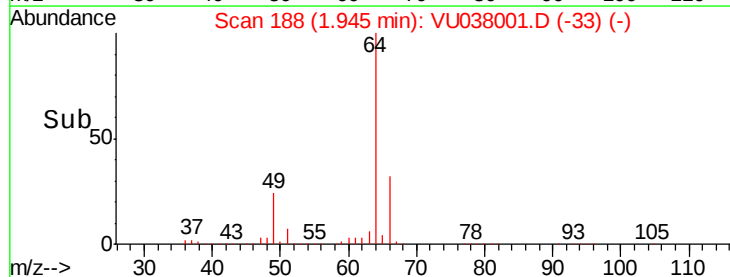
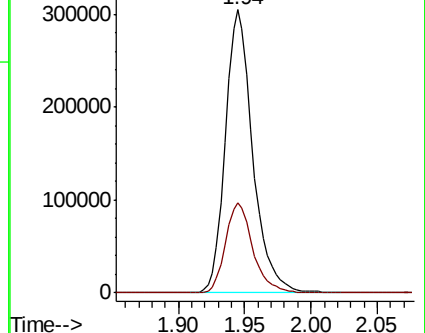
64 100

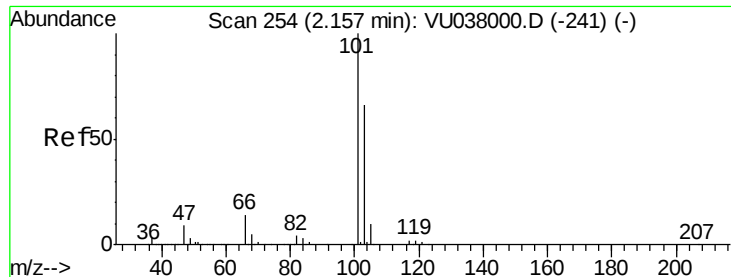
66 32.0 24.8 37.2



Abundance Ion 64.00 (63.70 to 64.70): VU038001.D (-173) (-)

Ion 66.00 (65.70 to 66.70): VU038001.D (-173) (-)



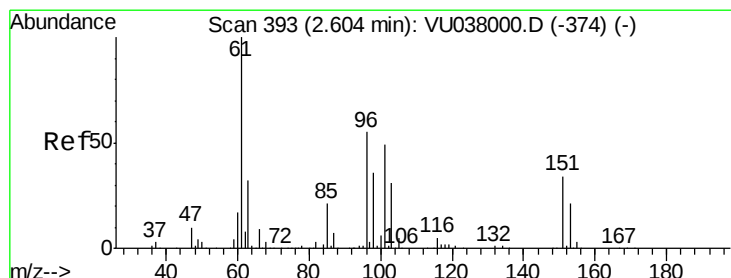
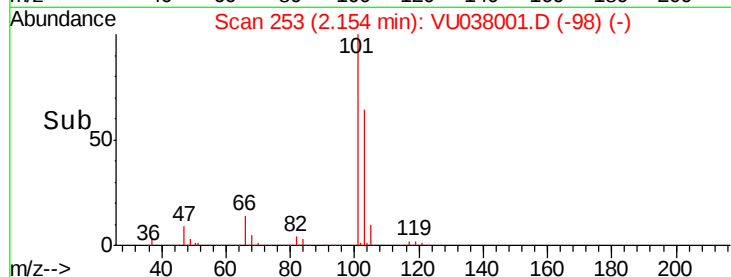
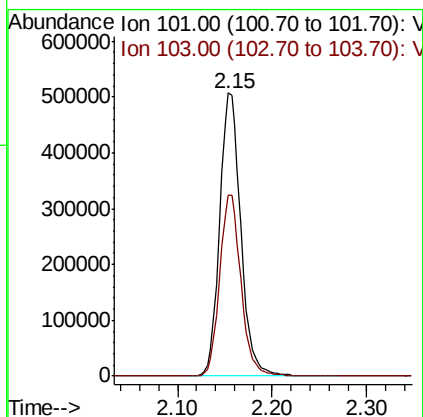
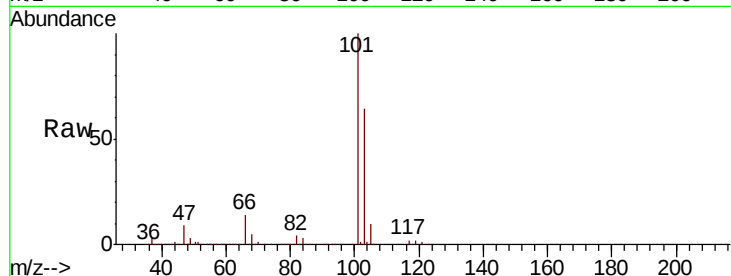


#7

Trichlorofluoromethane
 Concen: 17.220 ug/l
 RT: 2.15 min Scan# 253
 Delta R.T. -0.00 min
 Lab File: VU038001.D
 Acq: 04 May 2020 13:06

Instrument :
 MSVOA_U
 ClientSampleId :

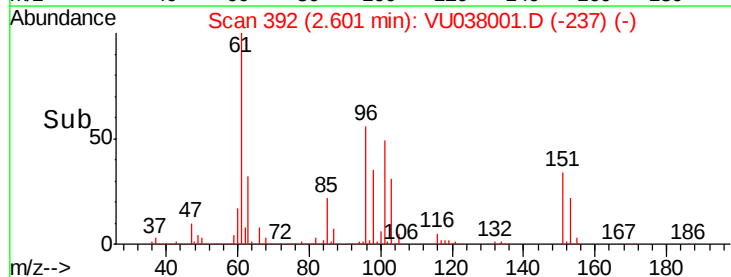
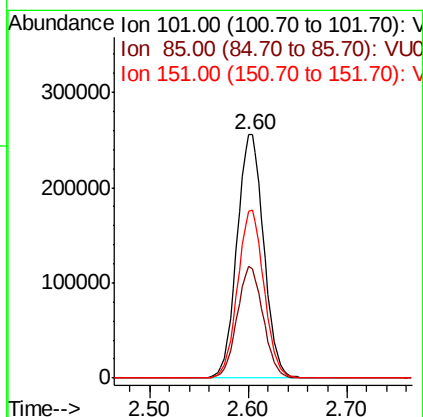
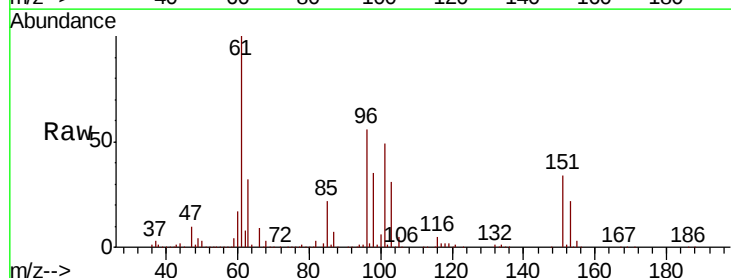
Tot Ion:101 Resp: 784004
 Ion Ratio Lower Upper
 101 100
 103 63.8 52.6 78.8

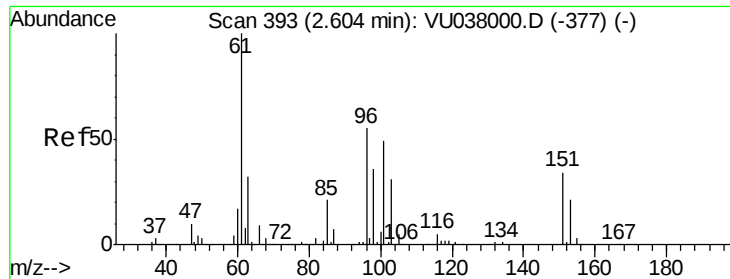


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 21.530 ug/l
 RT: 2.60 min Scan# 392
 Delta R.T. -0.00 min
 Lab File: VU038001.D
 Acq: 04 May 2020 13:06

Tgt Ion:101 Resp: 478831
 Ion Ratio Lower Upper
 101 100
 85 44.7 35.5 53.3
 151 67.9 55.2 82.8





#9

1,1-Dichloroethene

Concen: 22.310 ug/l

RT: 2.60 min Scan# 392

Delta R.T. -0.00 min

Lab File: VU038001.D

Acq: 04 May 2020 13:06

Instrument :

MSVOA_U

ClientSampleId :

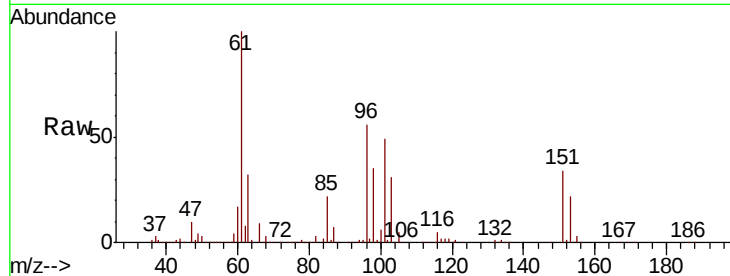
Tot Ion: 96 Resp: 475346

Ion Ratio Lower Upper

96 100

61 177.7 0.0 543.0

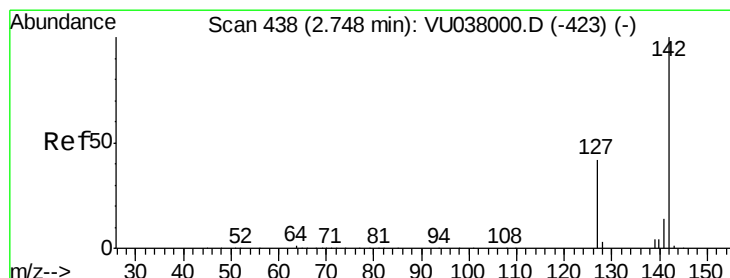
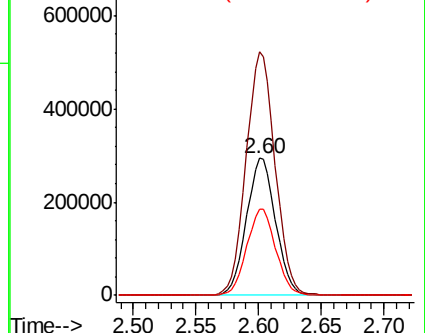
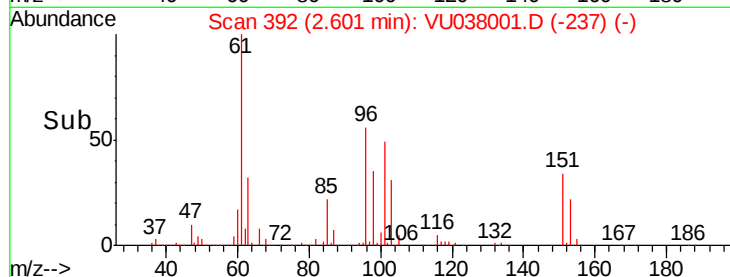
98 62.7 0.0 129.4



Abundance Ion 96.00 (95.70 to 96.70): VU038001.D (-237) (-)

Ion 61.00 (60.70 to 61.70): VU038001.D (-237) (-)

Ion 98.00 (97.70 to 98.70): VU038001.D (-237) (-)



#10

Iodomethane

Concen: 46.249 ug/l

RT: 2.75 min Scan# 437

Delta R.T. -0.00 min

Lab File: VU038001.D

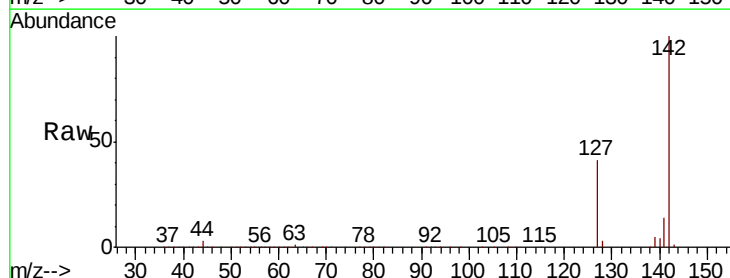
Acq: 04 May 2020 13:06

Tgt Ion: 142 Resp: 491942

Ion Ratio Lower Upper

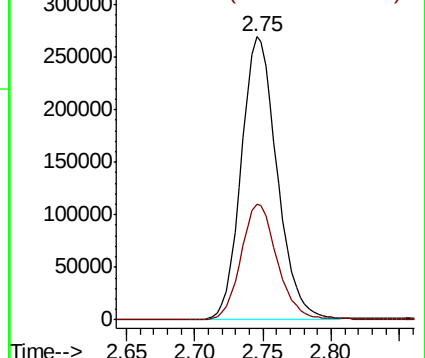
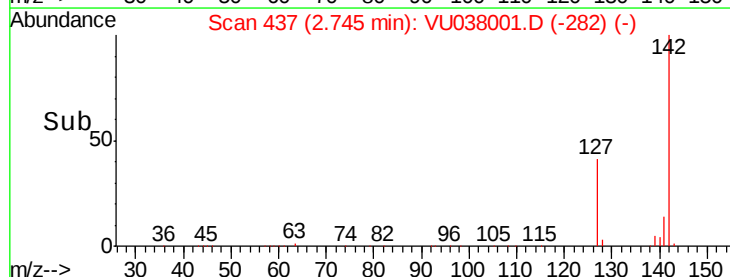
142 100

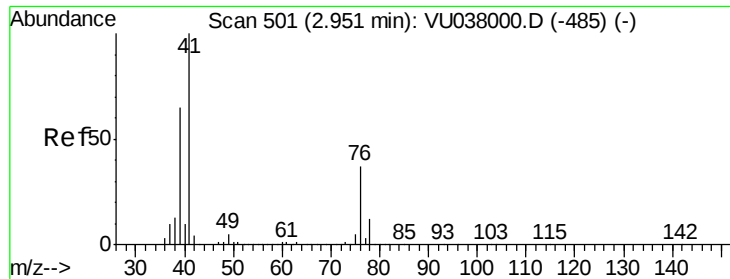
127 41.5 33.5 50.3



Abundance Ion 142.00 (141.70 to 142.70): VU038001.D (-282) (-)

Ion 127.00 (126.70 to 127.70): VU038001.D (-282) (-)

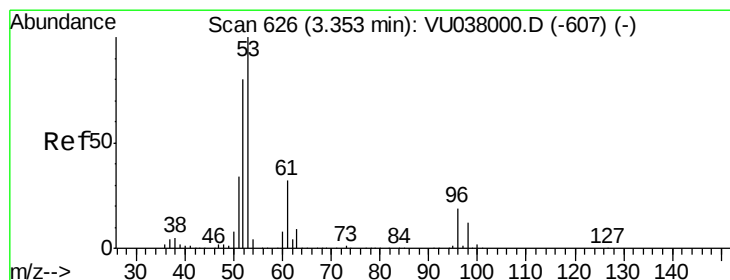
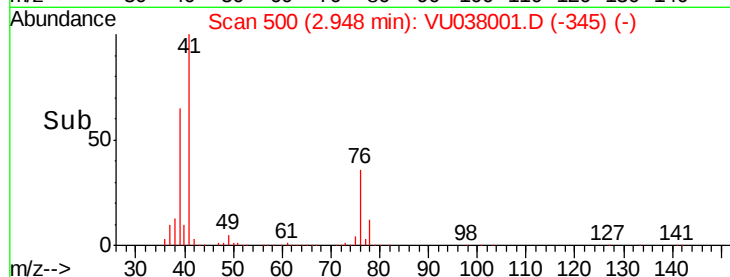
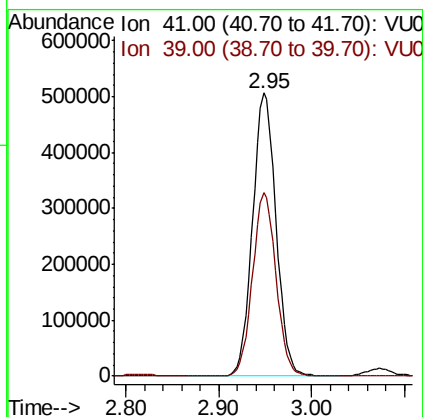
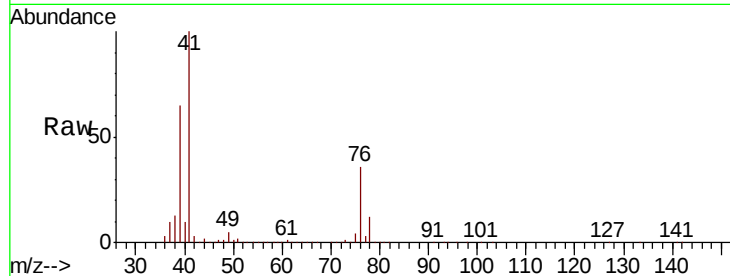




#11
 Allvl Chloride
 Concen: 21.408 ug/l
 RT: 2.95 min Scan# 500
 Delta R.T. -0.00 min
 Lab File: VU038001.D
 Acq: 04 May 2020 13:06

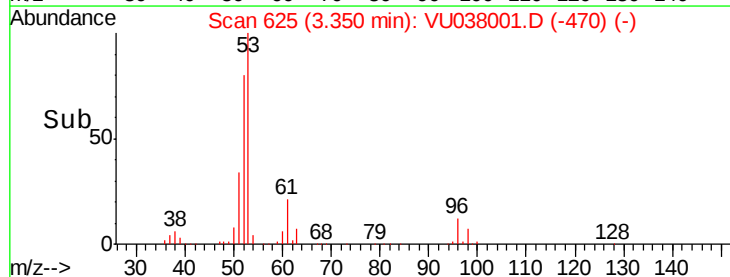
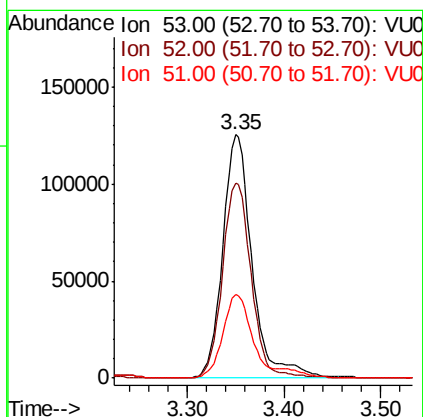
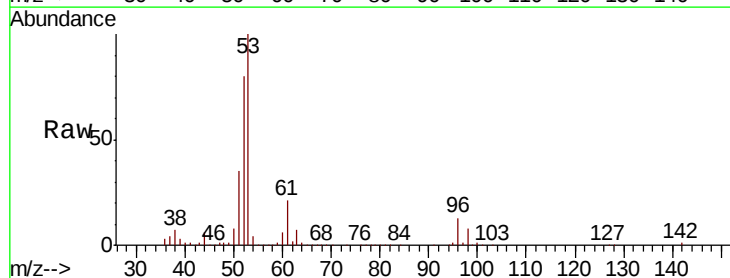
Instrument :
 MSVOA_U
 ClientSampleId :

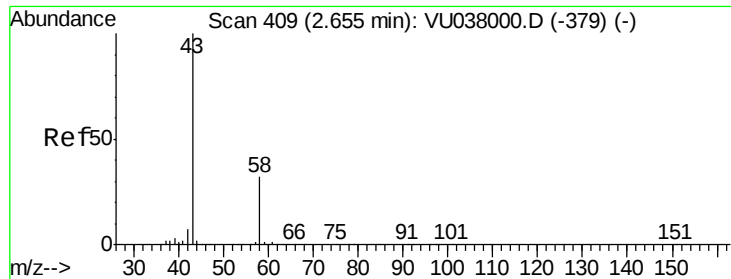
Tot Ion: 41 Resp: 883309
 Ion Ratio Lower Upper
 41 100
 39 65.0 51.7 77.5



#12
 Acrylonitrile
 Concen: 50.550 ug/l
 RT: 3.35 min Scan# 625
 Delta R.T. -0.00 min
 Lab File: VU038001.D
 Acq: 04 May 2020 13:06

Tgt Ion: 53 Resp: 263242
 Ion Ratio Lower Upper
 53 100
 52 78.8 63.3 94.9
 51 33.6 30.2 45.2





#13

Acetone

Concen: 87.528 ug/l

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU038001.D

Acq: 04 May 2020 13:06

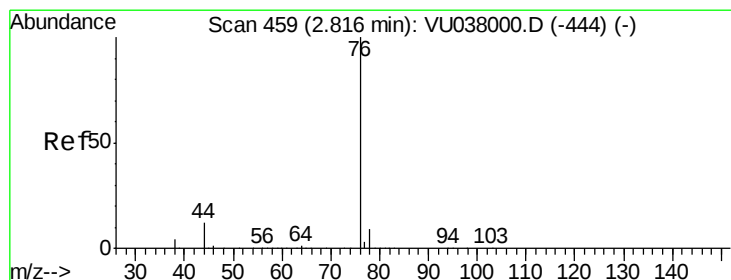
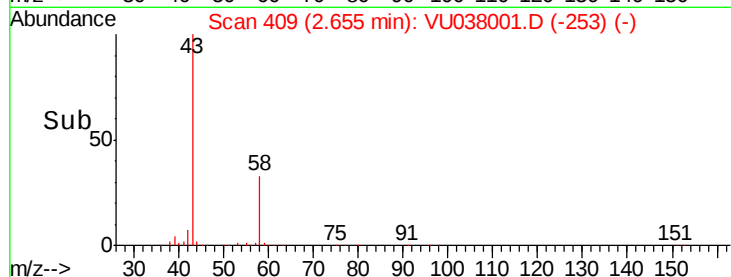
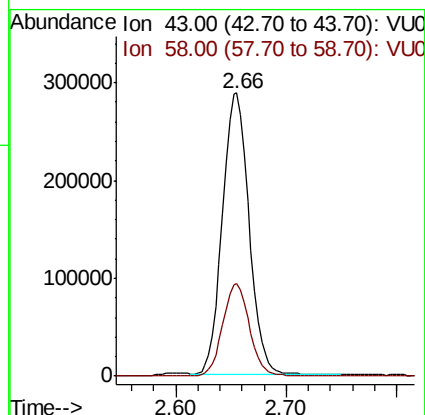
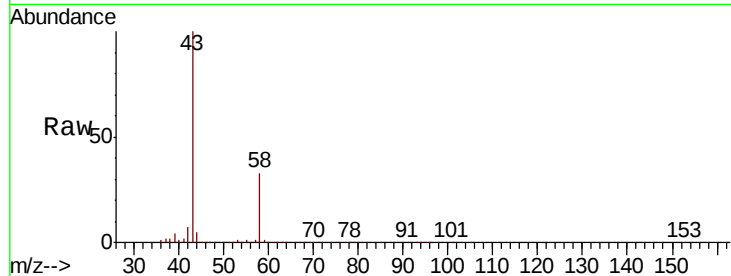
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 484571

Ion Ratio Lower Upper

43 100

58 33.0 25.2 37.8



#14

Carbon Disulfide

Concen: 23.774 ug/l

RT: 2.82 min Scan# 459

Delta R.T. 0.00 min

Lab File: VU038001.D

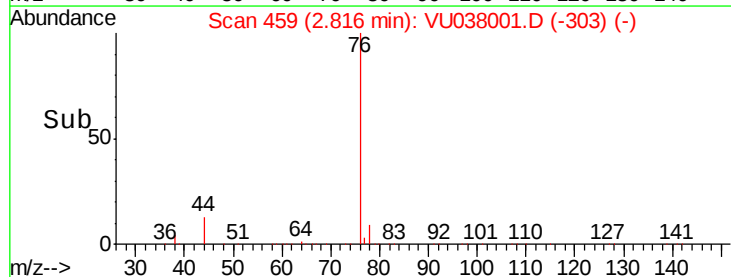
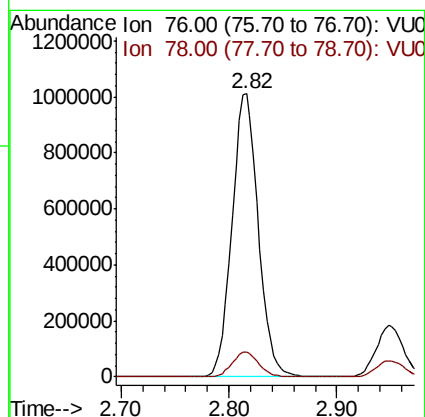
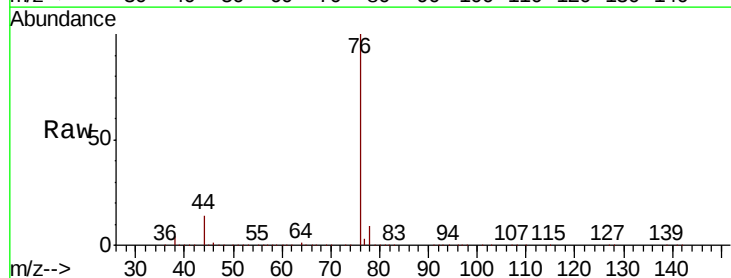
Acq: 04 May 2020 13:06

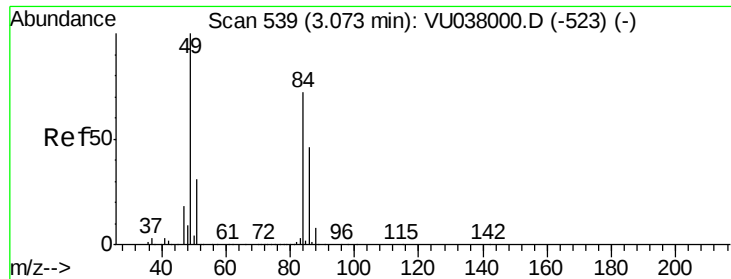
Tgt Ion: 76 Resp: 1716080

Ion Ratio Lower Upper

76 100

78 8.9 7.0 10.6

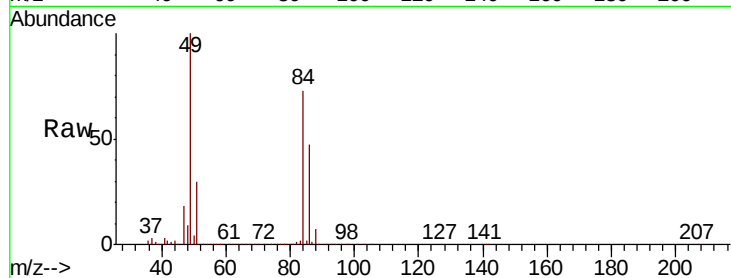




#15
Methvlene Chloride
Concen: 20.142 ug/l
RT: 3.07 min Scan# 539
Delta R.T. 0.00 min
Lab File: VU038001.D
Acq: 04 May 2020 13:06

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:	84	Resp:	543864
Ion	Ratio	Lower	Upper
84	100		
49	137.3	110.6	166.0
51	41.5	0.0	85.4
86	64.3	50.9	76.3



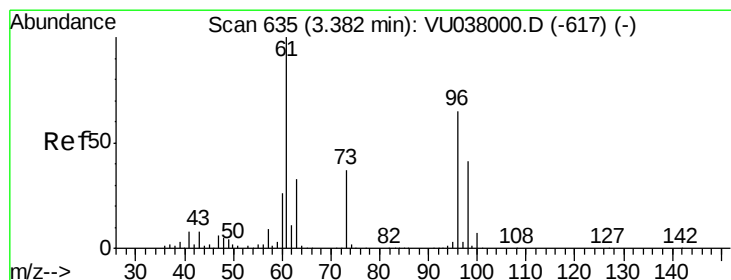
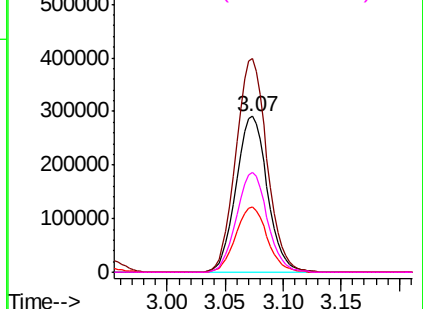
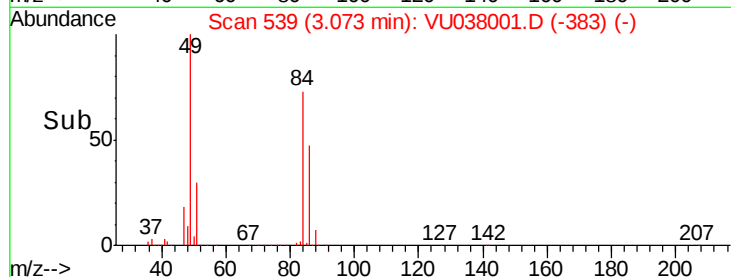
Abundance

Ion 84.00 (83.70 to 84.70): VU0

Ion 49.00 (48.70 to 49.70): VU0

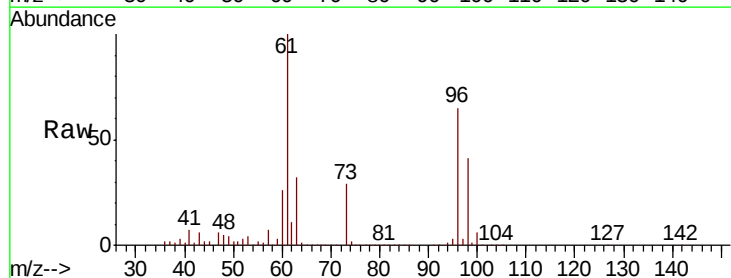
Ion 51.00 (50.70 to 51.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#16
trans-1,2-Dichloroethene
Concen: 22.563 ug/l
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU038001.D
Acq: 04 May 2020 13:06

Tgt Ion:	96	Resp:	514352
Ion	Ratio	Lower	Upper
96	100		
61	154.3	122.4	183.6
98	63.6	50.1	75.1

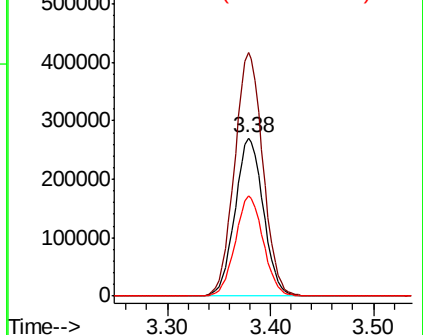
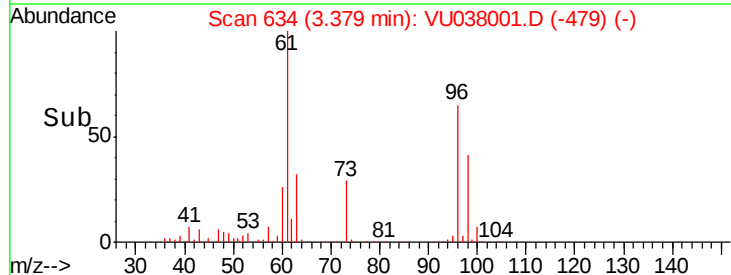


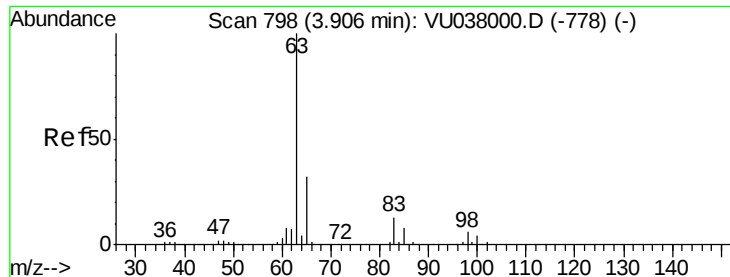
Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#17

1,1-Dichloroethane

Concen: 19.283 ug/l

RT: 3.91 min Scan# 798

Delta R.T. 0.00 min

Lab File: VU038001.D

Acq: 04 May 2020 13:06

Instrument :

MSVOA_U

ClientSampled :

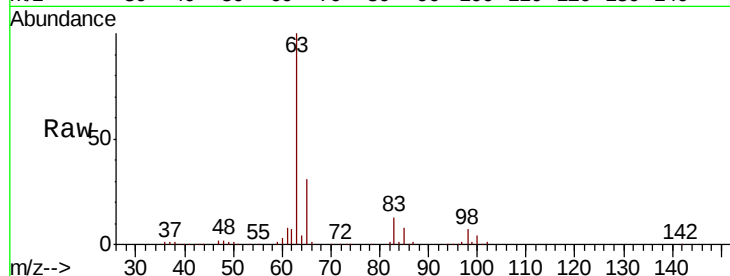
Tot Ion: 63 Resp: 986595

Ion Ratio Lower Upper

63 100

98 6.8 3.1 9.4

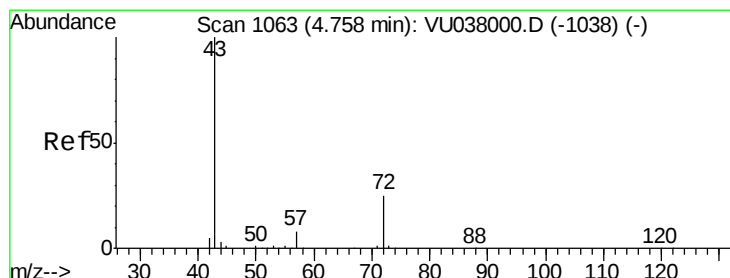
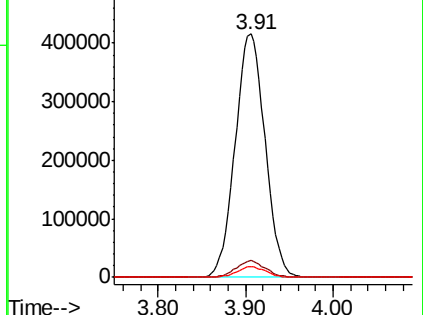
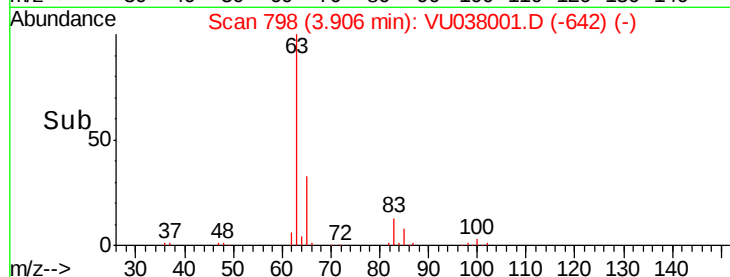
100 4.2 2.2 6.6



Abundance Ion 63.00 (62.70 to 63.70): VU038001.D (-642) (-)

Ion 98.00 (97.70 to 98.70): VU038001.D (-642) (-)

Ion 100.00 (99.70 to 100.70): VU038001.D (-642) (-)



#18

2-Butanone

Concen: 92.082 ug/l

RT: 4.75 min Scan# 1062

Delta R.T. -0.00 min

Lab File: VU038001.D

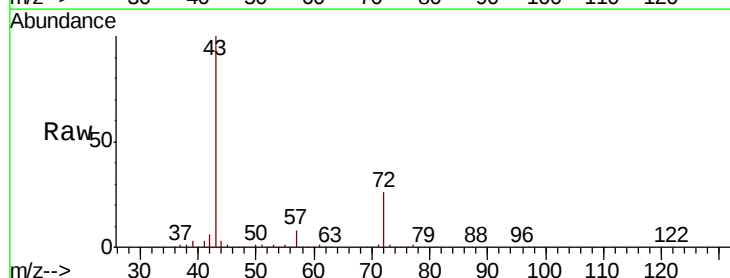
Acq: 04 May 2020 13:06

Tgt Ion: 43 Resp: 768877

Ion Ratio Lower Upper

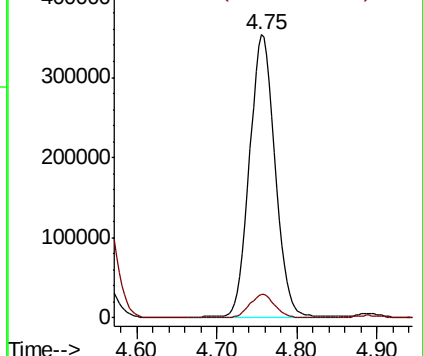
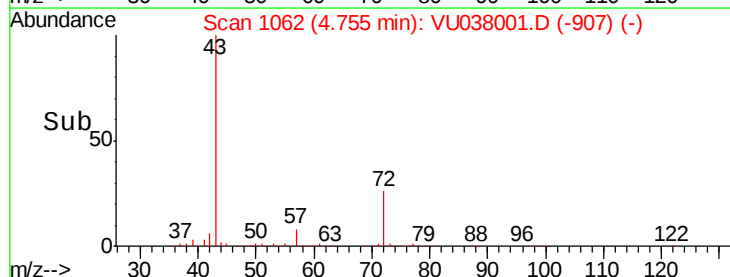
43 100

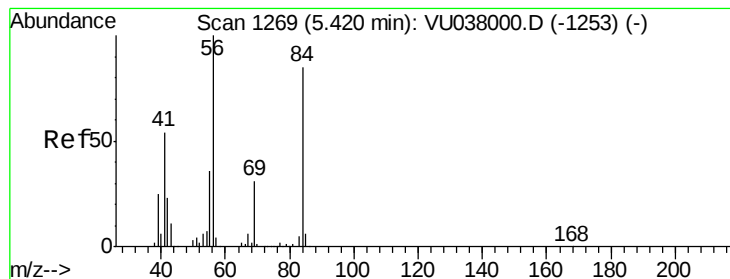
57 8.1 0.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VU038001.D (-907) (-)

Ion 57.00 (56.70 to 57.70): VU038001.D (-907) (-)





#19

Cyclohexane

Concen: 19.951 ug/l

RT: 5.42 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VU038001.D

Acq: 04 May 2020 13:06

Instrument :

MSVOA_U

ClientSampleId :

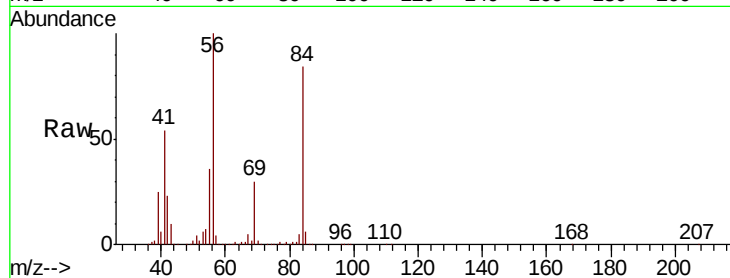
Tot Ion: 56 Resp: 880252

Ion Ratio Lower Upper

56 100

69 33.3 24.3 36.5

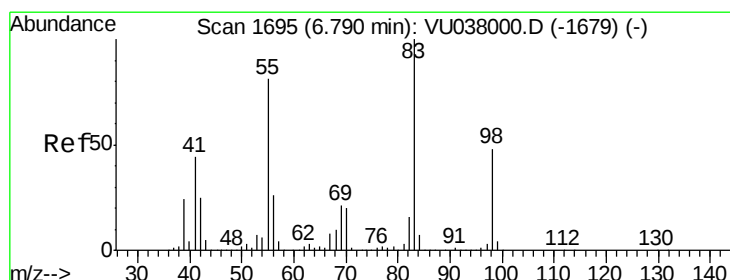
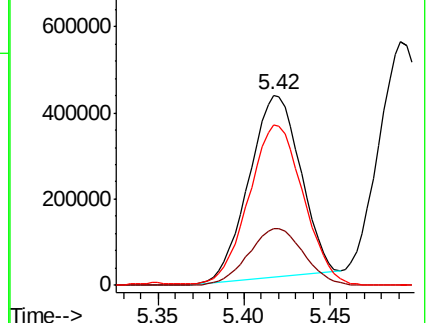
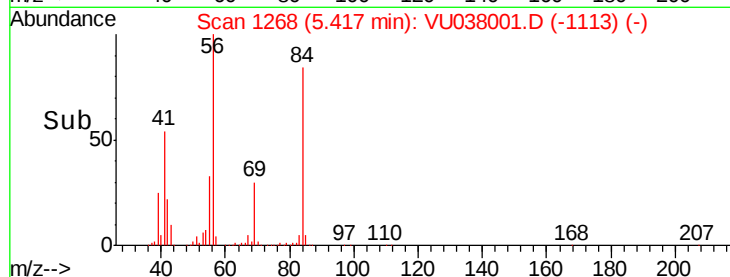
84 91.8 66.3 99.5



Abundance Ion 56.00 (55.70 to 56.70): VU038001.D (-1113) (-)

Ion 69.00 (68.70 to 69.70): VU038001.D (-1113) (-)

Ion 84.00 (83.70 to 84.70): VU038001.D (-1113) (-)



#20

Methylcyclohexane

Concen: 22.659 ug/l

RT: 6.79 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU038001.D

Acq: 04 May 2020 13:06

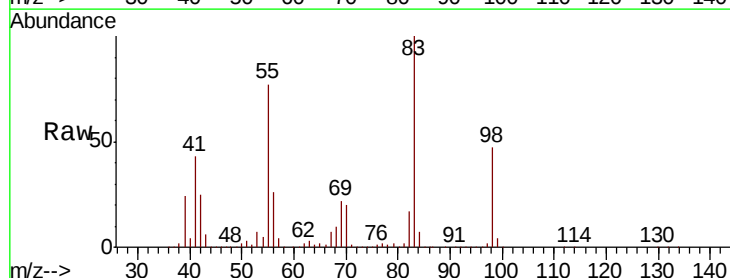
Tgt Ion: 83 Resp: 991296

Ion Ratio Lower Upper

83 100

55 77.2 61.5 92.3

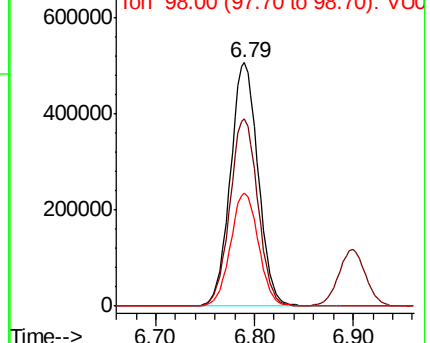
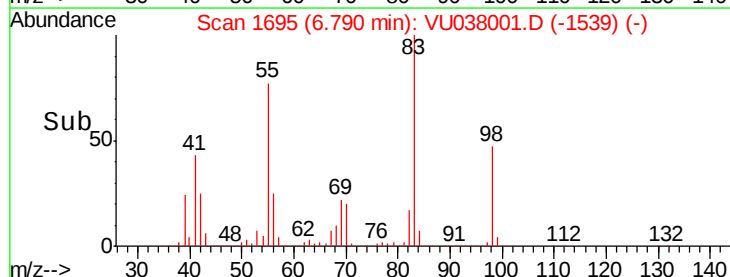
98 46.9 37.3 55.9

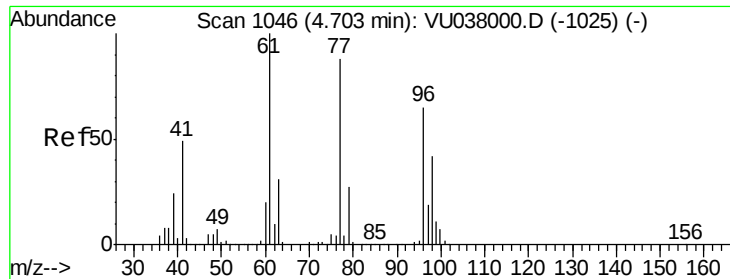


Abundance Ion 83.00 (82.70 to 83.70): VU038001.D (-1539) (-)

Ion 55.00 (54.70 to 55.70): VU038001.D (-1539) (-)

Ion 98.00 (97.70 to 98.70): VU038001.D (-1539) (-)





#21

2,2-Dichloropropane

Concen: 17.883 ug/l

RT: 4.70 min Scan# 1046

Delta R.T. 0.00 min

Lab File: VU038001.D

Acq: 04 May 2020 13:06

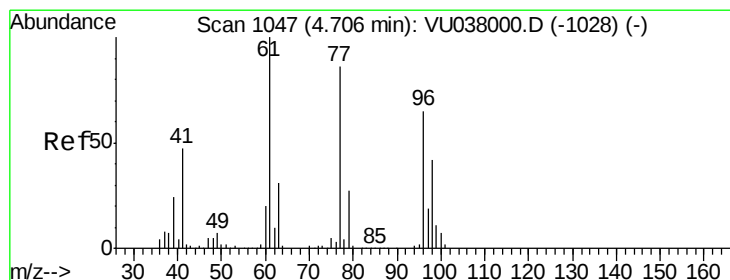
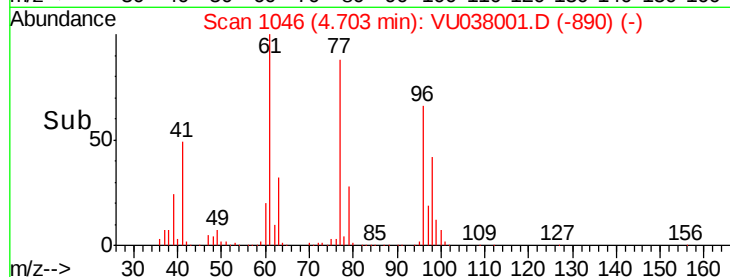
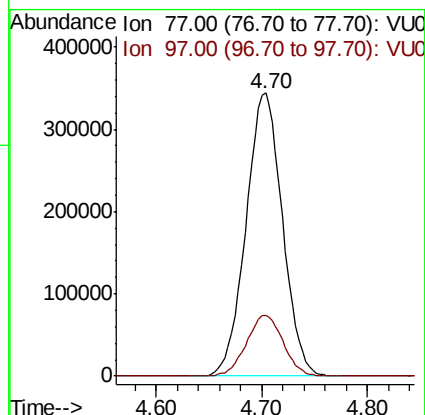
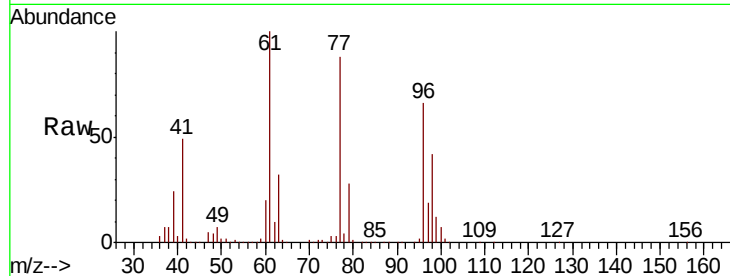
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 77 Resp: 825863

Ion Ratio Lower Upper

77 100

97 21.7 17.4 26.2



#22

cis-1,2-Dichloroethene

Concen: 20.254 ug/l

RT: 4.70 min Scan# 1046

Delta R.T. -0.00 min

Lab File: VU038001.D

Acq: 04 May 2020 13:06

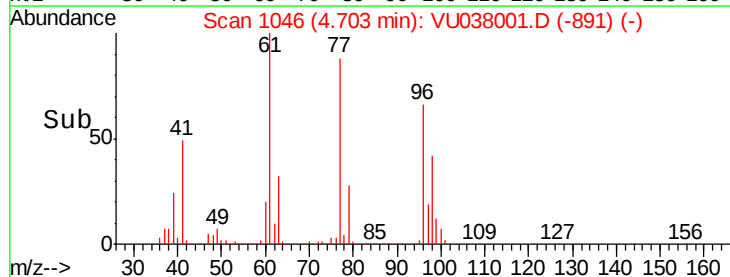
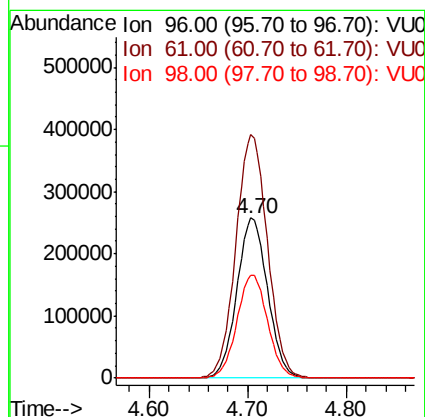
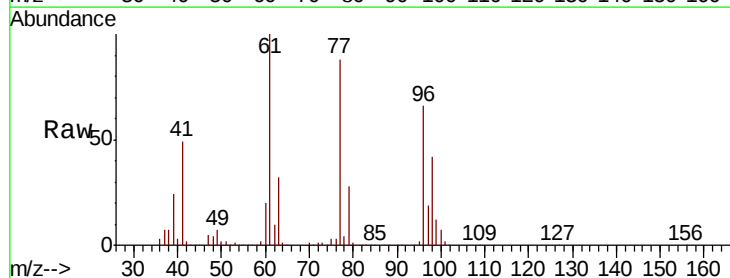
Tgt Ion: 96 Resp: 555962

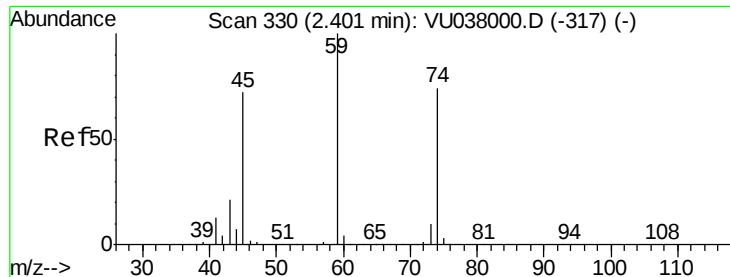
Ion Ratio Lower Upper

96 100

61 156.5 0.0 389.3

98 64.5 32.1 96.3

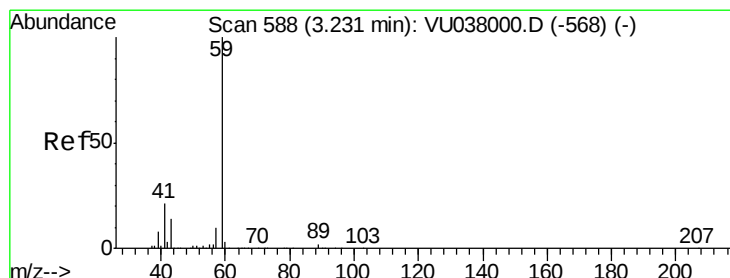
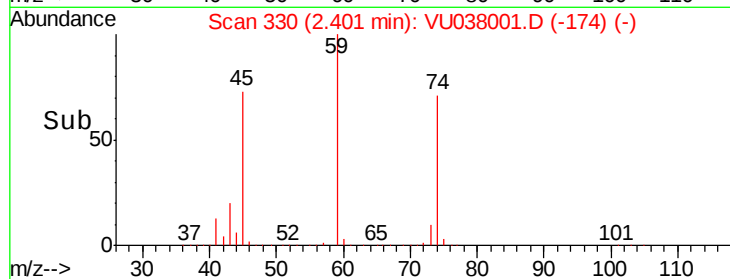
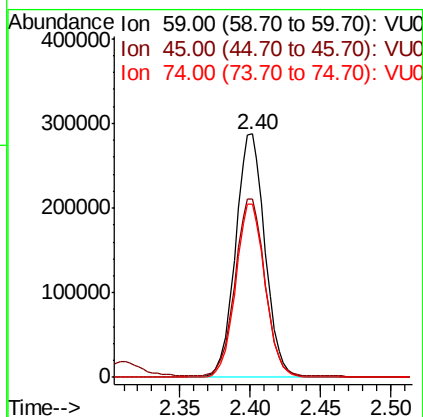
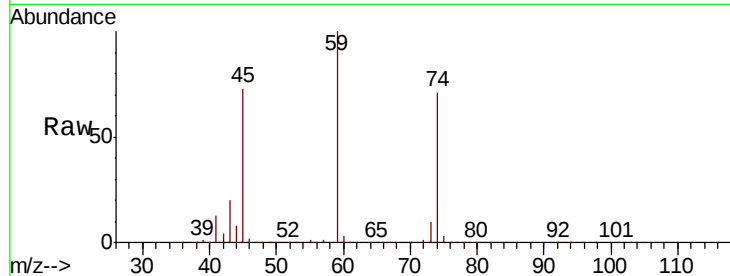




#23
Diethyl Ether
Concen: 22.921 ug/l
RT: 2.40 min Scan# 330
Delta R.T. 0.00 min
Lab File: VU038001.D
Acq: 04 May 2020 13:06

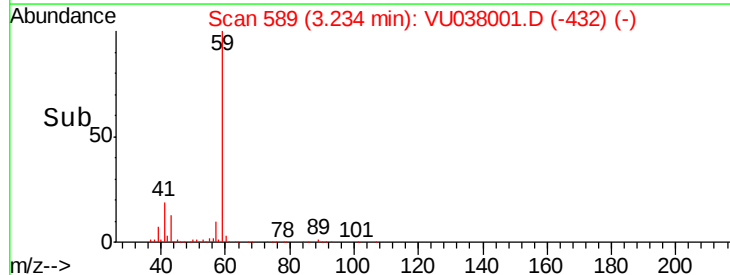
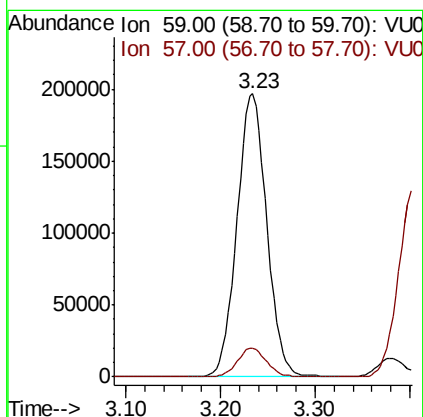
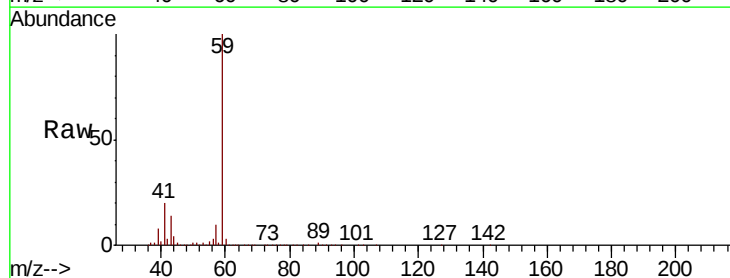
Instrument :
MSVOA_U
ClientSampleId :

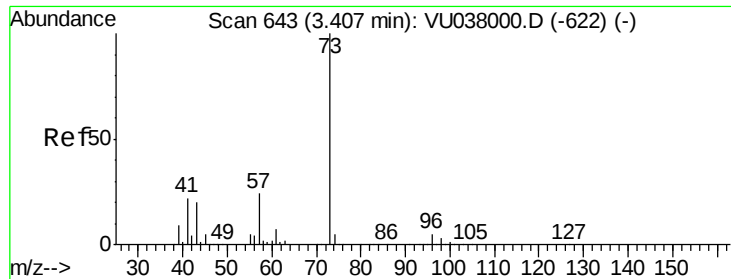
Tot Ion: 59 Resp: 418726
Ion Ratio Lower Upper
59 100
45 74.4 59.8 89.6
74 71.5 58.2 87.4



#24
tert-Butyl Alcohol
Concen: 220.029 ug/l
RT: 3.23 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU038001.D
Acq: 04 May 2020 13:06

Tgt Ion: 59 Resp: 430715
Ion Ratio Lower Upper
59 100
57 10.0 8.2 12.4



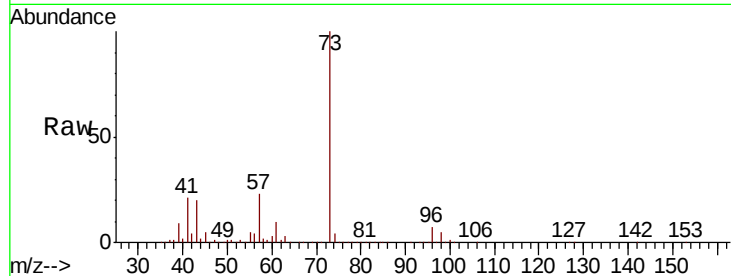


#25

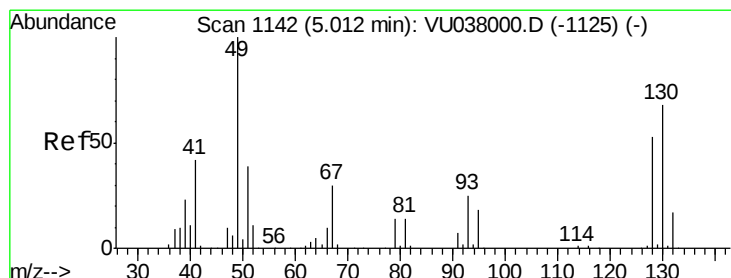
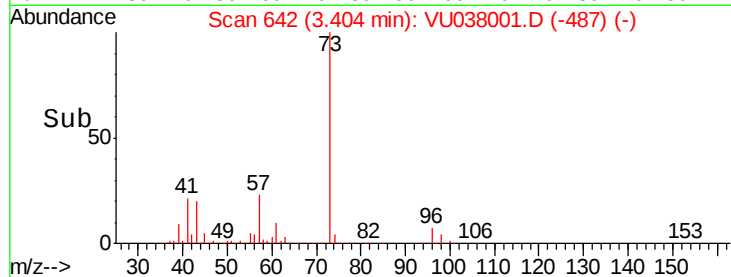
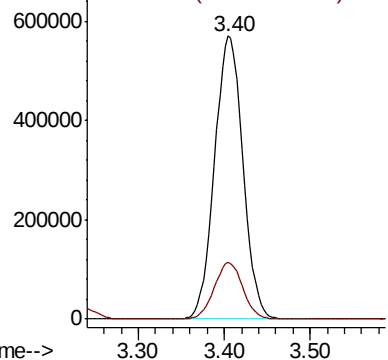
Methyl tert-Butyl Ether
 Concen: 21.026 ug/l
 RT: 3.40 min Scan# 642
 Delta R.T. -0.00 min
 Lab File: VU038001.D
 Acq: 04 May 2020 13:06

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 73 Resp: 1302501
 Ion Ratio Lower Upper
 73 100
 43 20.1 16.2 24.2



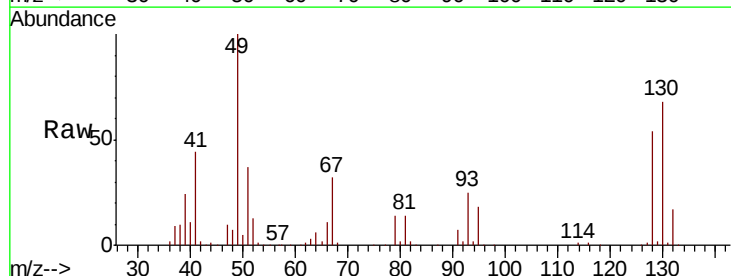
Abundance Ion 73.00 (72.70 to 73.70): VU038001.D (-622) (-)
 Ion 43.00 (42.70 to 43.70): VU038001.D (-622) (-)



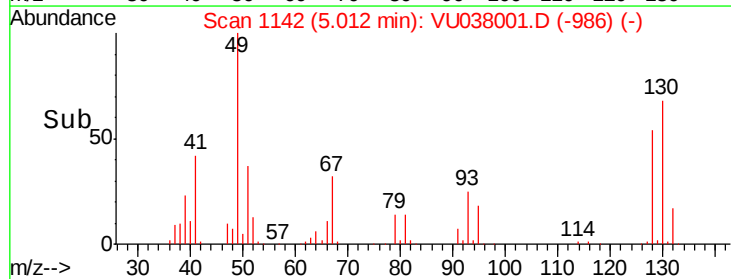
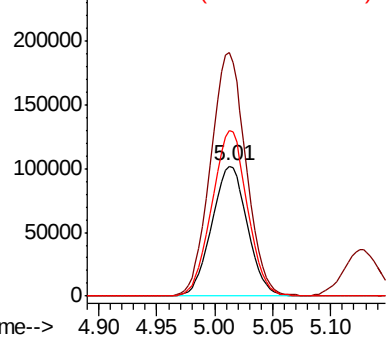
#26

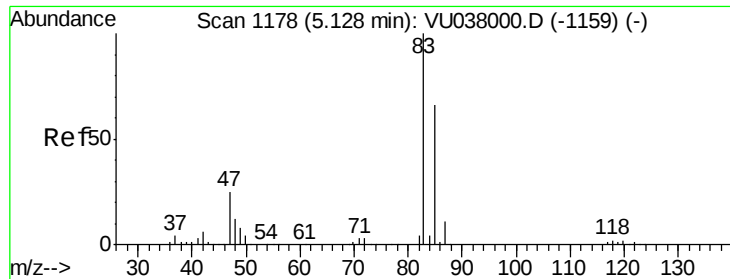
Bromochloromethane
 Concen: 18.298 ug/l
 RT: 5.01 min Scan# 1142
 Delta R.T. 0.00 min
 Lab File: VU038001.D
 Acq: 04 May 2020 13:06

Tgt Ion: 128 Resp: 218111
 Ion Ratio Lower Upper
 128 100
 49 186.3 0.0 376.0
 130 127.3 102.6 153.8



Abundance Ion 128.00 (127.70 to 128.70): VU038001.D (-986) (-)
 Ion 49.00 (48.70 to 49.70): VU038001.D (-986) (-)
 Ion 130.00 (129.70 to 130.70): VU038001.D (-986) (-)

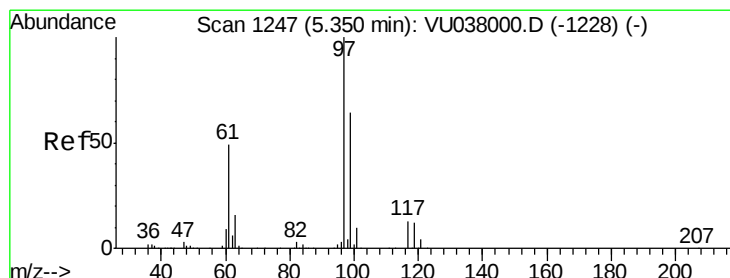
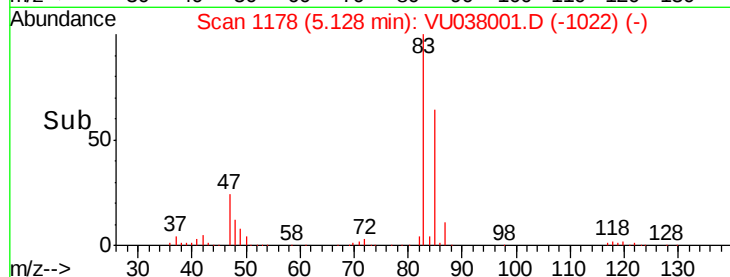
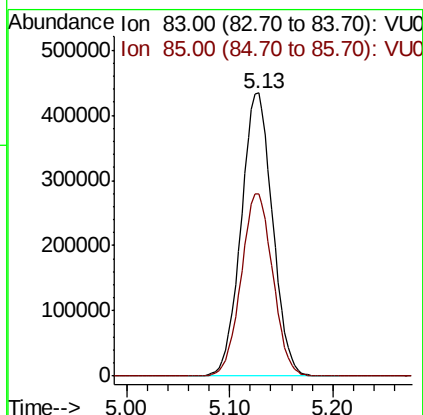
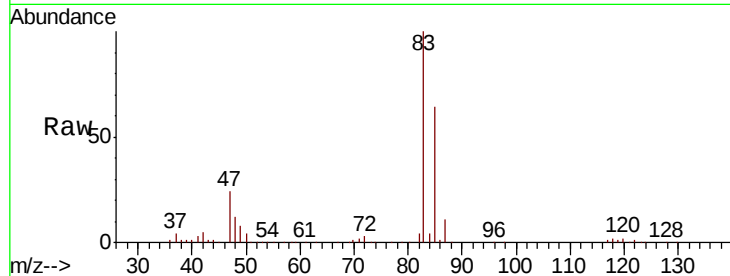




#27
Chloroform
Concen: 16.958 ug/l
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU038001.D
Acq: 04 May 2020 13:06

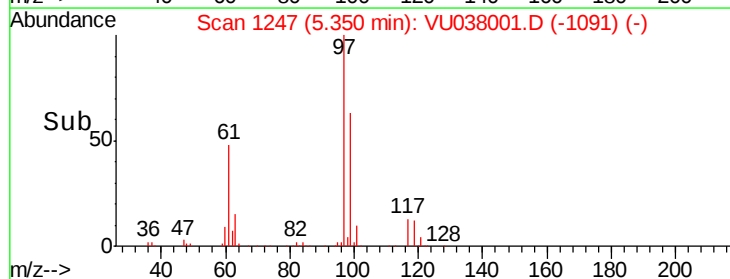
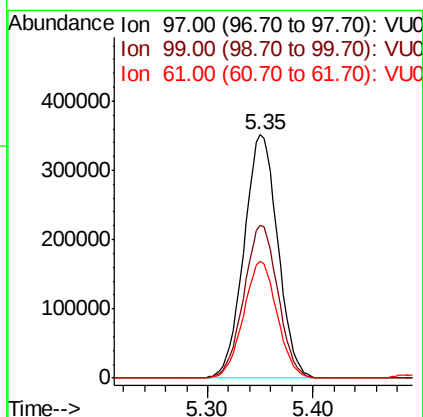
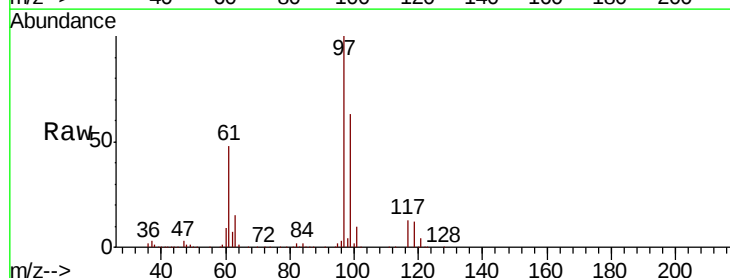
Instrument :
MSVOA_U
ClientSampleId :

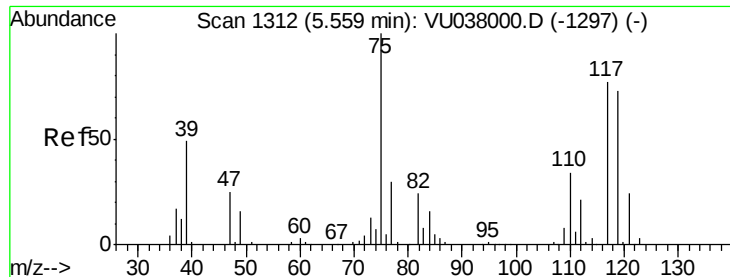
Tot Ion: 83 Resp: 919027
Ion Ratio Lower Upper
83 100
85 64.5 0.0 132.0



#28
1,1,1-Trichloroethane
Concen: 17.086 ug/l
RT: 5.35 min Scan# 1247
Delta R.T. 0.00 min
Lab File: VU038001.D
Acq: 04 May 2020 13:06

Tgt Ion: 97 Resp: 784125
Ion Ratio Lower Upper
97 100
99 63.3 31.9 95.9
61 47.5 24.1 72.4





#29

1,1-Dichloropropene

Concen: 20.272 ug/l

RT: 5.56 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU038001.D

Acq: 04 May 2020 13:06

Instrument :
MSVOA_U
ClientSampled :

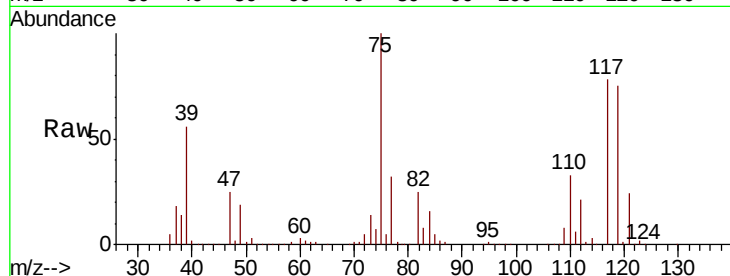
Tot Ion: 75 Resp: 777321

Ion Ratio Lower Upper

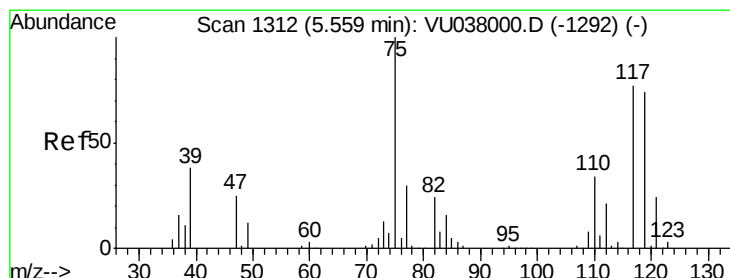
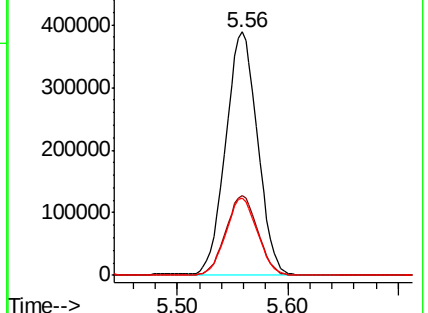
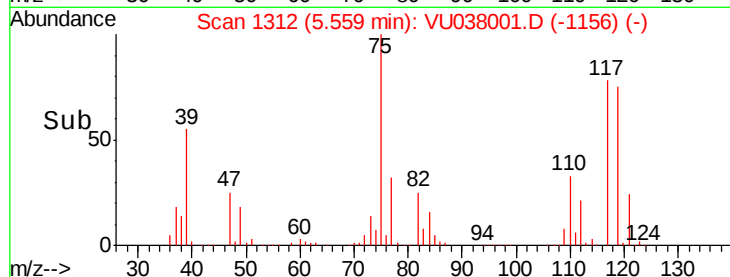
75 100

110 33.0 16.7 50.1

77 31.1 24.5 36.7



Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 110.00 (109.70 to 110.70): V
Ion 77.00 (76.70 to 77.70): VU0



#30

Carbon Tetrachloride

Concen: 16.685 ug/l

RT: 5.56 min Scan# 1311

Delta R.T. -0.00 min

Lab File: VU038001.D

Acq: 04 May 2020 13:06

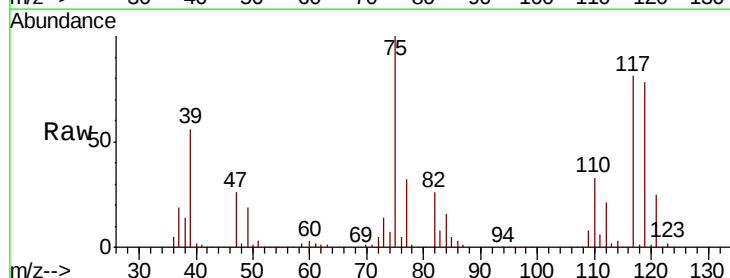
Tgt Ion: 117 Resp: 663275

Ion Ratio Lower Upper

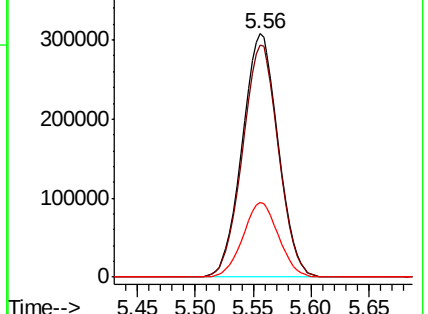
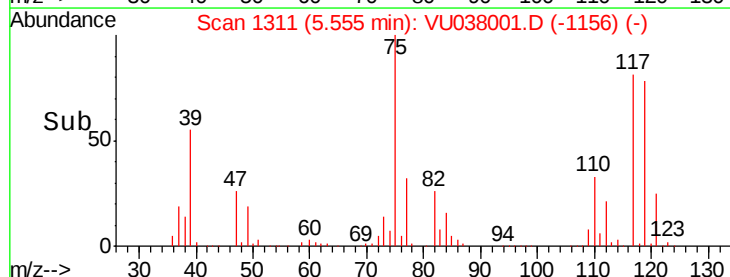
117 100

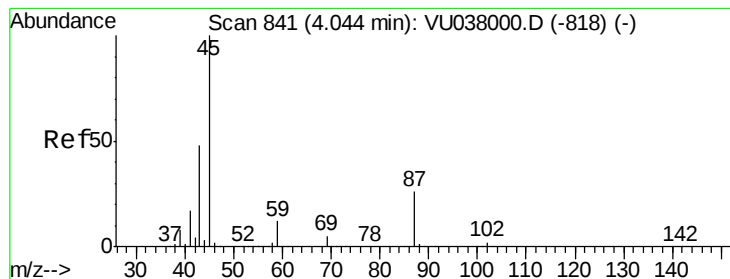
119 95.3 76.3 114.5

121 30.5 24.7 37.1



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V





#31

Isopropyl Ether

Concen: 20.650 ug/l

RT: 4.04 min Scan# 841

Delta R.T. 0.00 min

Lab File: VU038001.D

Acq: 04 May 2020 13:06

Instrument :

MSVOA_U

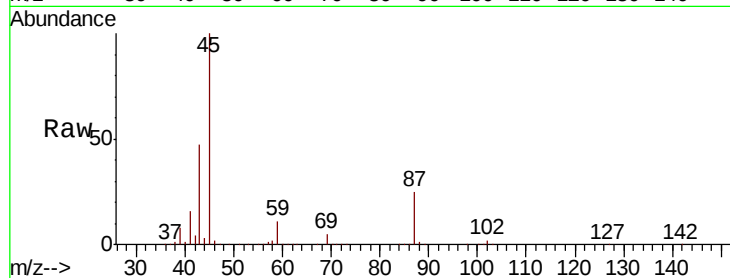
ClientSampleId :

Tot Ion: 45 Resp: 1690462

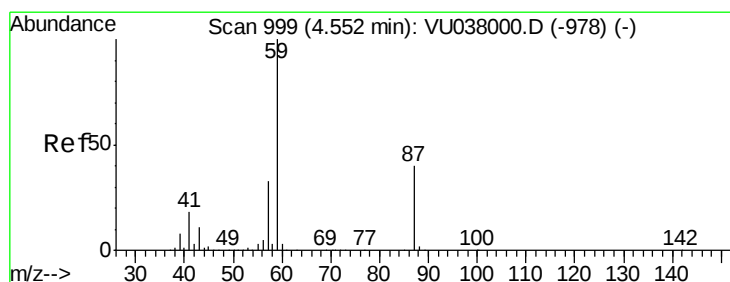
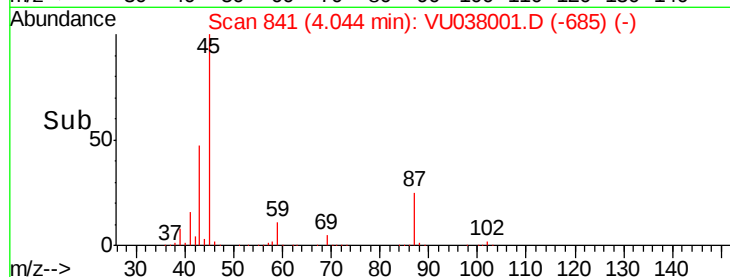
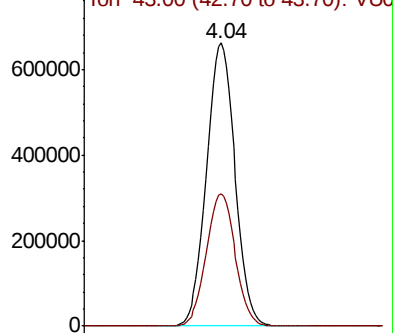
Ion Ratio Lower Upper

45 100

43 47.6 24.2 72.6



Abundance Ion 45.00 (44.70 to 45.70): VU038001.D (-818) (-)



#32

Ethyl-t-butyl ether

Concen: 19.858 ug/l

RT: 4.55 min Scan# 999

Delta R.T. 0.00 min

Lab File: VU038001.D

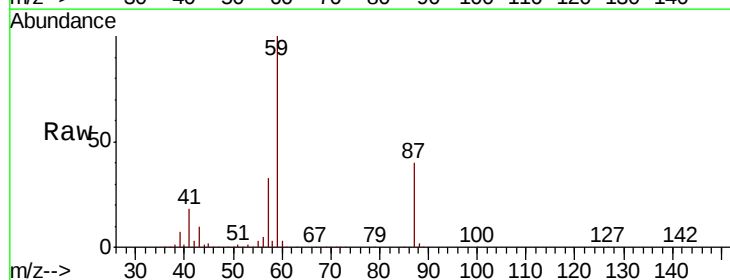
Acq: 04 May 2020 13:06

Tgt Ion: 59 Resp: 1523033

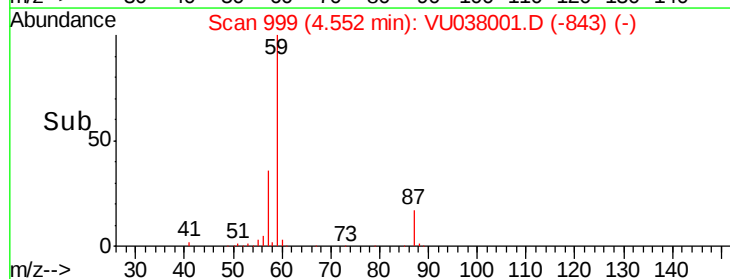
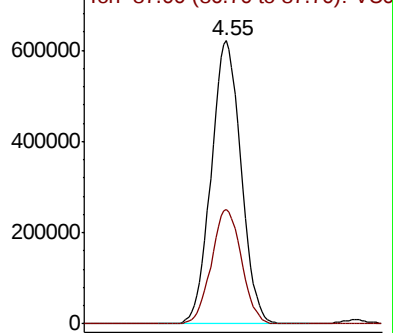
Ion Ratio Lower Upper

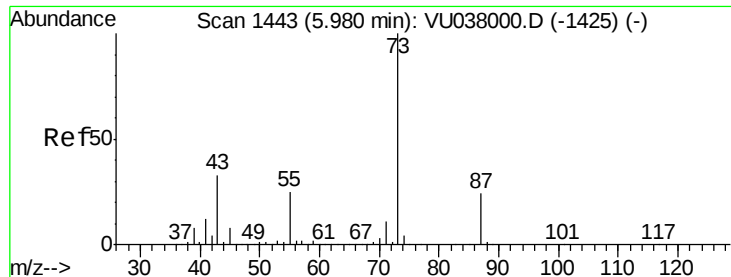
59 100

87 40.9 32.4 48.6



Abundance Ion 59.00 (58.70 to 59.70): VU038001.D (-843) (-)



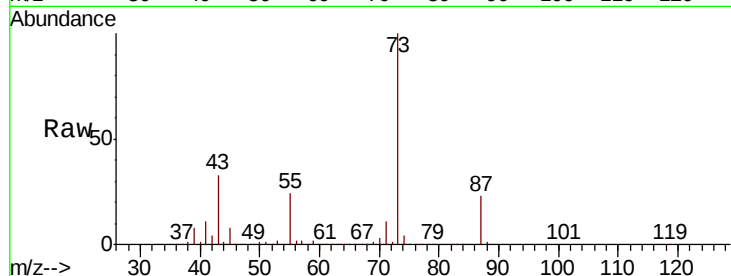


#33
Tert-Butyl methyl ether
Concen: 20.042 ug/l
RT: 5.98 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VU038001.D
Acq: 04 May 2020 13:06

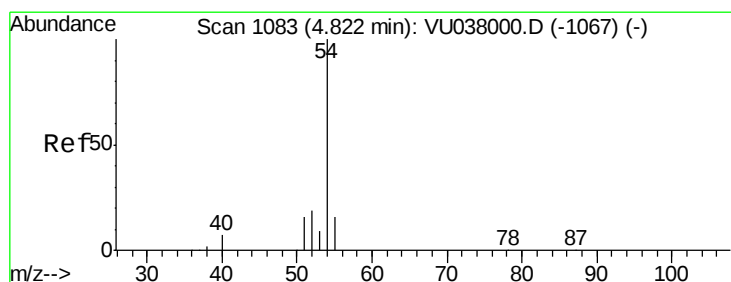
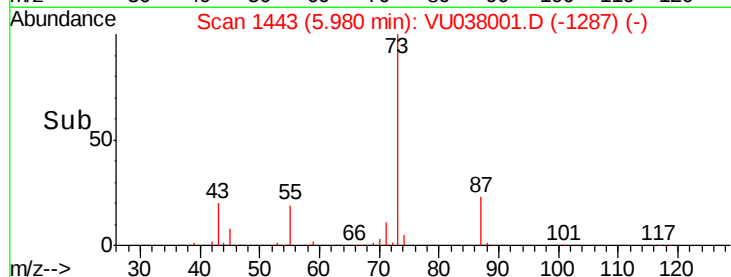
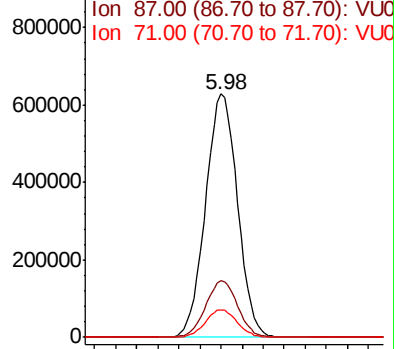
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 1316628

Ion	Ratio	Lower	Upper
73	100		
87	23.4	18.9	28.3
71	11.4	9.1	13.7



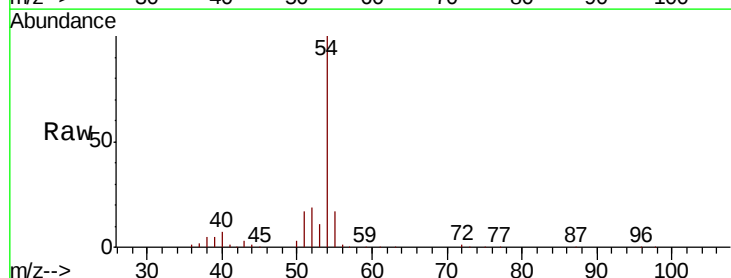
Abundance Ion 73.00 (72.70 to 73.70): VU038001.D (-1425) (-)



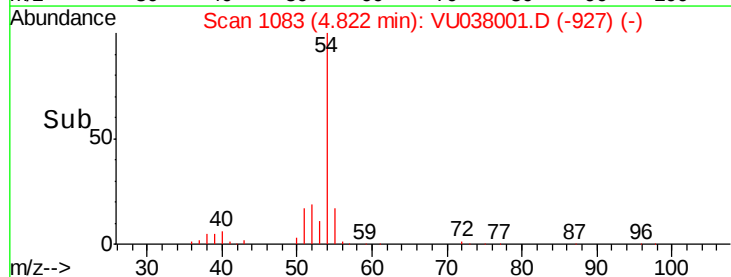
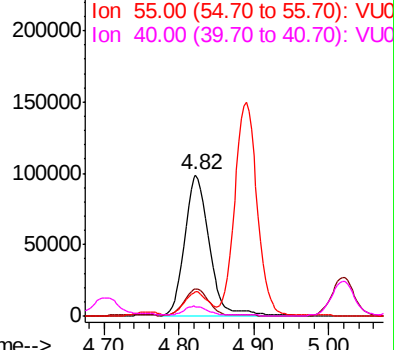
#34
Propionitrile
Concen: 102.268 ug/l
RT: 4.82 min Scan# 1083
Delta R.T. 0.00 min
Lab File: VU038001.D
Acq: 04 May 2020 13:06

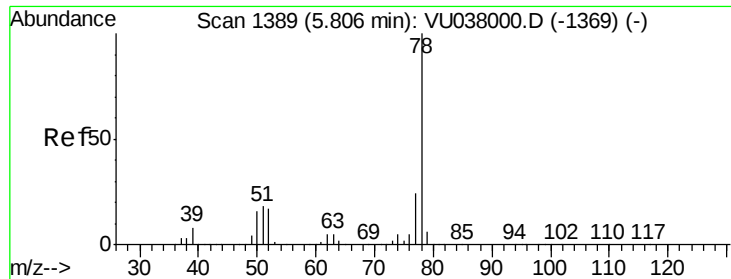
Tgt Ion: 54 Resp: 225003

Ion	Ratio	Lower	Upper
54	100		
52	18.4	15.8	23.8
55	15.6	13.2	19.8
40	5.9	5.2	7.8



Abundance Ion 54.00 (53.70 to 54.70): VU038001.D (-1067) (-)





#35

Benzene

Concen: 19.832 ug/l

RT: 5.81 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VU038001.D

Acq: 04 May 2020 13:06

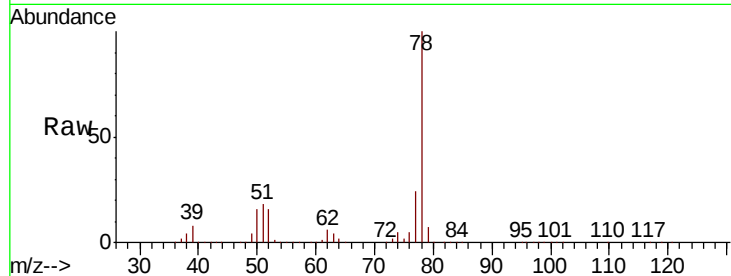
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 78 Resp: 2155926

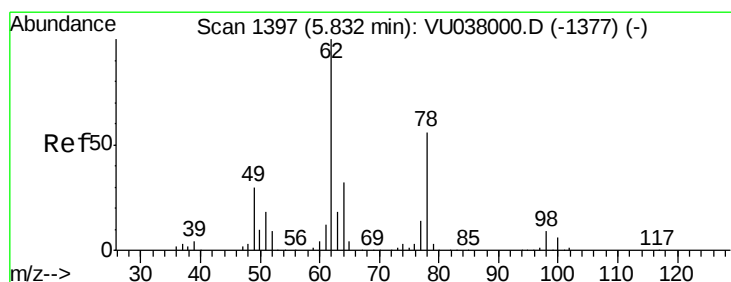
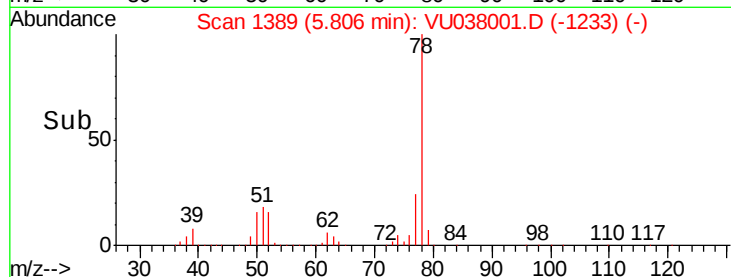
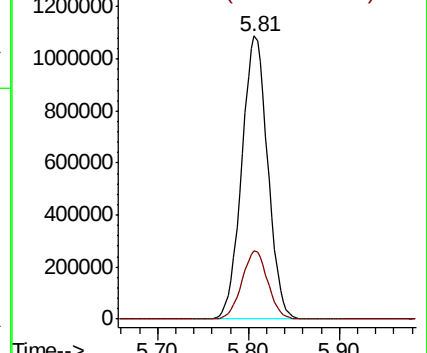
Ion Ratio Lower Upper

78 100

77 24.1 19.3 28.9



Abundance Ion 78.10 (77.80 to 78.80): VU038001.D (-1233) (-)



#36

1,2-Dichloroethane

Concen: 16.313 ug/l

RT: 5.83 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VU038001.D

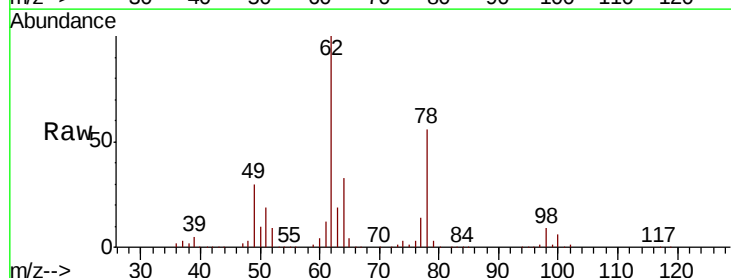
Acq: 04 May 2020 13:06

Tgt Ion: 62 Resp: 626447

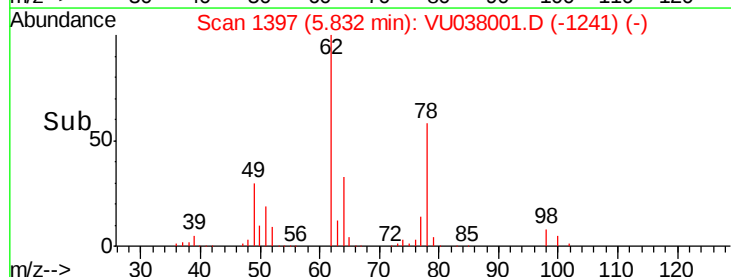
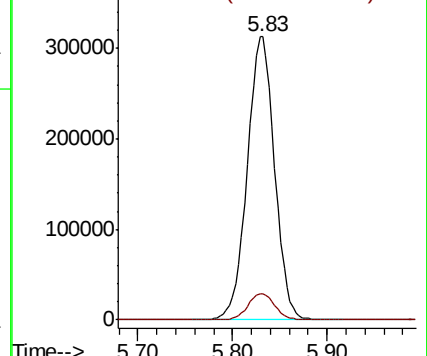
Ion Ratio Lower Upper

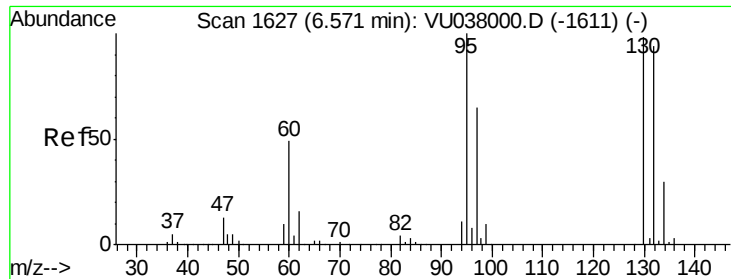
62 100

98 9.1 7.3 10.9



Abundance Ion 62.00 (61.70 to 62.70): VU038001.D (-1241) (-)

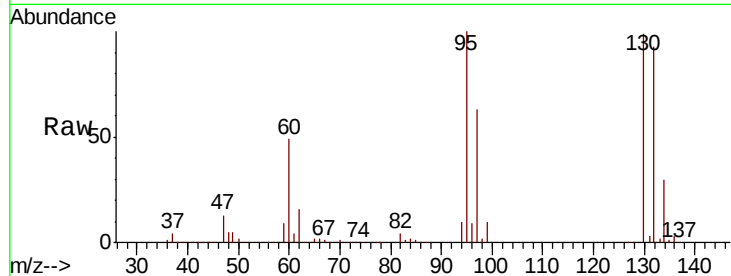




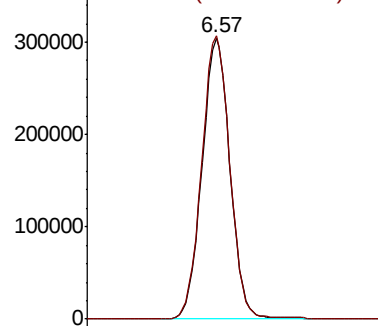
#37
 Trichloroethene
 Concen: 19.469 ug/l
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU038001.D
 Acq: 04 May 2020 13:06

Instrument :
 MSVOA_U
 ClientSampled :

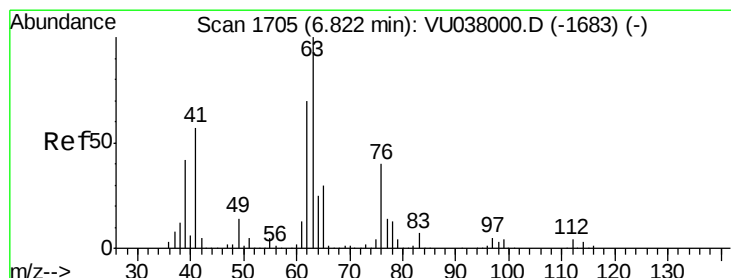
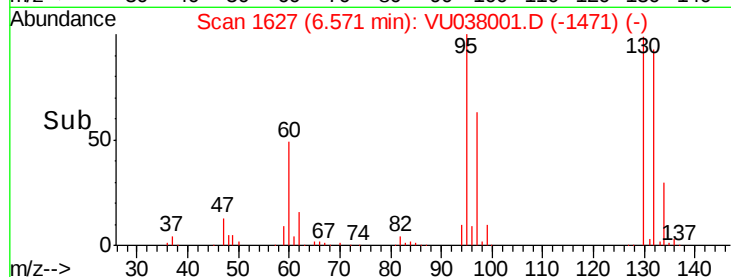
Tot Ion:130 Resp: 556212
 Ion Ratio Lower Upper
 130 100
 95 100.7 81.6 122.4



Abundance Ion 129.90 (129.60 to 130.60): VU038001.D (-1471) (-)
 Ion 94.90 (94.60 to 95.60): VU038001.D (-1471) (-)

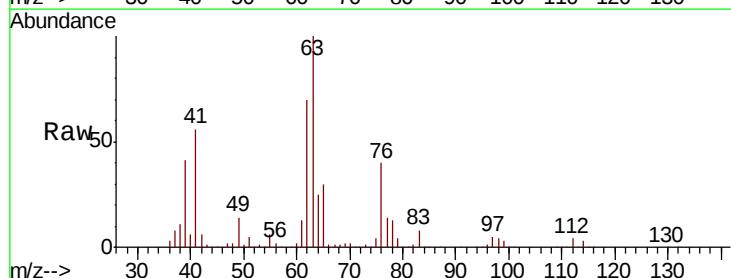


Time-->

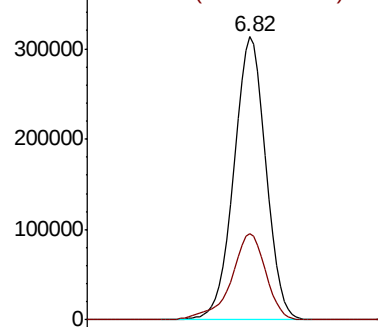


#38
 1,2-Dichloropropane
 Concen: 19.586 ug/l
 RT: 6.82 min Scan# 1705
 Delta R.T. 0.00 min
 Lab File: VU038001.D
 Acq: 04 May 2020 13:06

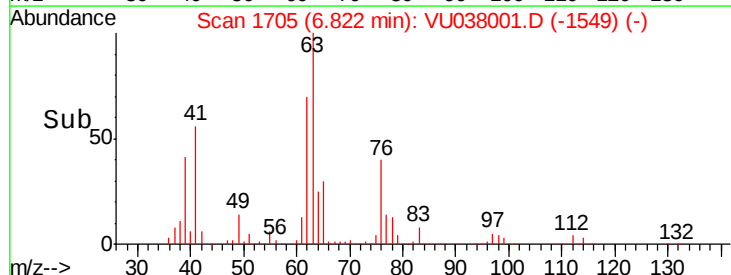
Tgt Ion: 63 Resp: 581713
 Ion Ratio Lower Upper
 63 100
 65 30.4 24.1 36.1

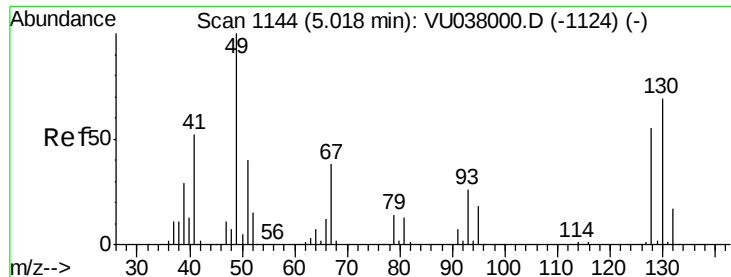


Abundance Ion 63.00 (62.70 to 63.70): VU038001.D (-1549) (-)
 Ion 65.00 (64.70 to 65.70): VU038001.D (-1549) (-)



Time-->

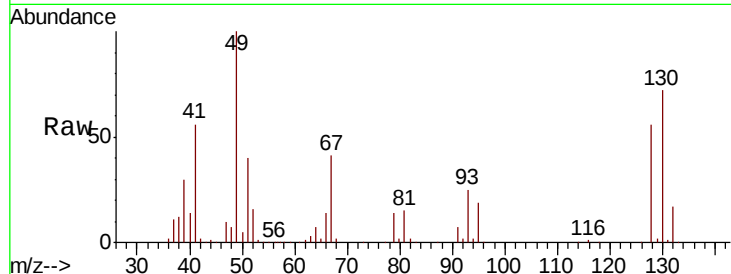




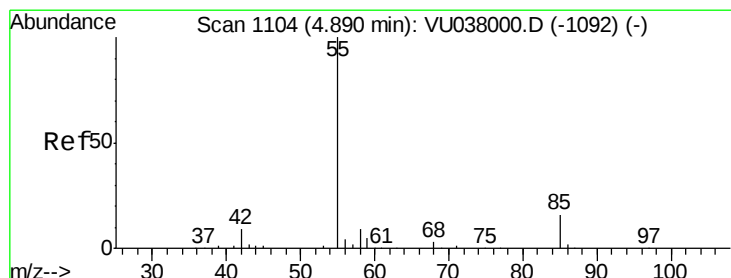
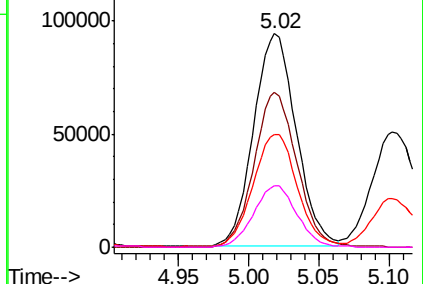
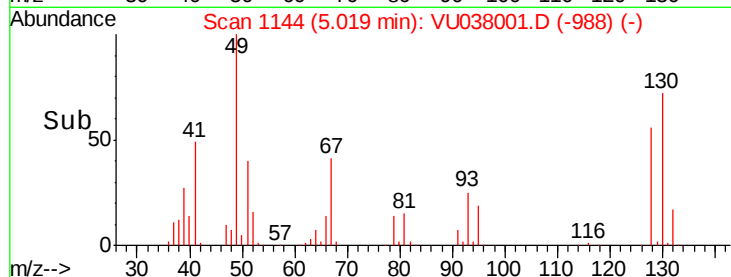
#39
Methacrylonitrile
Concen: 18.892 ug/l
RT: 5.02 min Scan# 1144
Delta R.T. 0.00 min
Lab File: VU038001.D
Acq: 04 May 2020 13:06

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 41 Resp: 198543
Ion Ratio Lower Upper
41 100
67 73.3 58.0 87.0
39 54.6 43.2 64.8
52 29.5 22.9 34.3

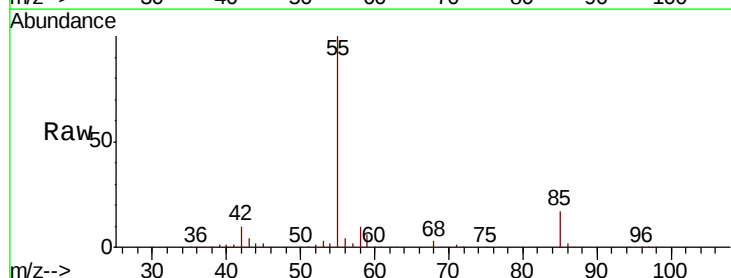


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

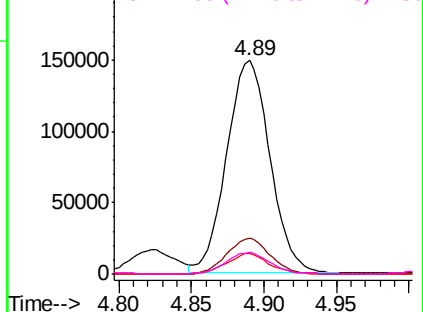
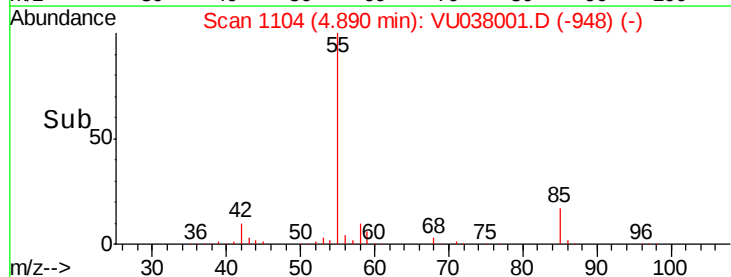


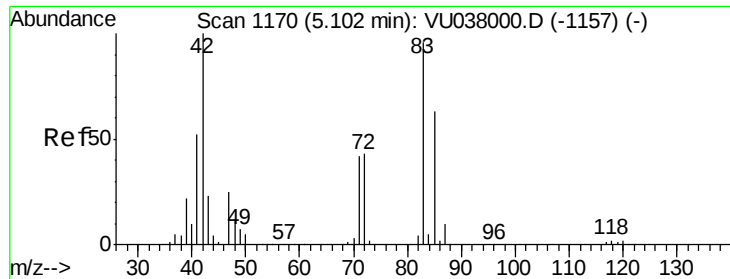
#40
Methyl acrylate
Concen: 20.799 ug/l
RT: 4.89 min Scan# 1104
Delta R.T. 0.00 min
Lab File: VU038001.D
Acq: 04 May 2020 13:06

Tgt Ion: 55 Resp: 308981
Ion Ratio Lower Upper
55 100
85 16.9 12.9 19.3
58 9.3 7.2 10.8
42 9.9 8.1 12.1



Abundance Ion 55.00 (54.70 to 55.70): VU0
Ion 85.00 (84.70 to 85.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 42.00 (41.70 to 42.70): VU0

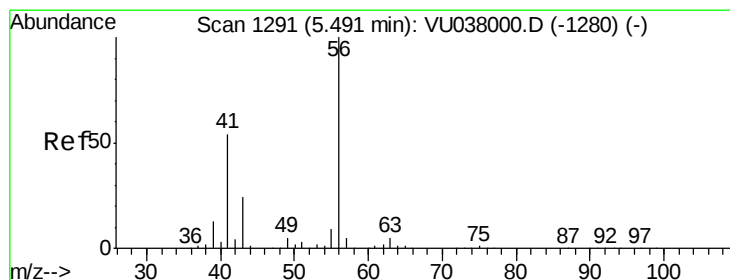
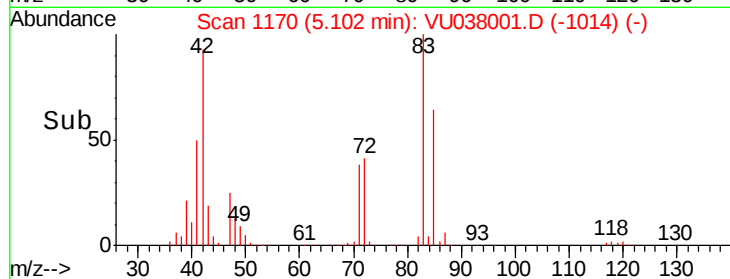
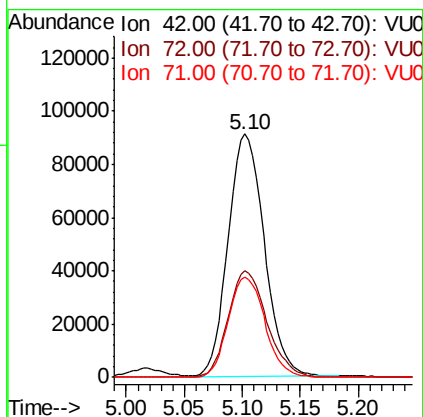
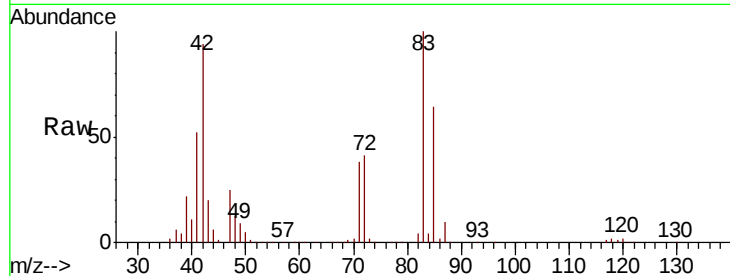




#41
Tetrahydrofuran
Concen: 37.729 ug/l
RT: 5.10 min Scan# 1170
Delta R.T. 0.00 min
Lab File: VU038001.D
Acq: 04 May 2020 13:06

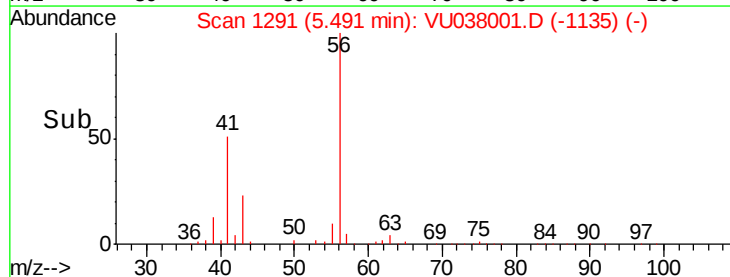
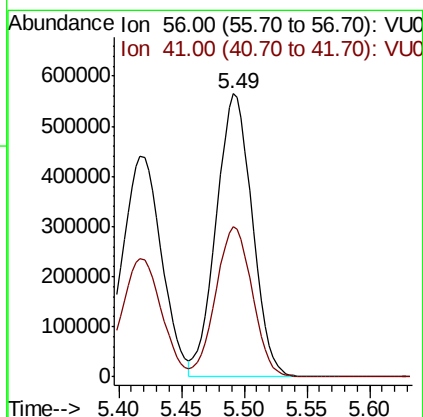
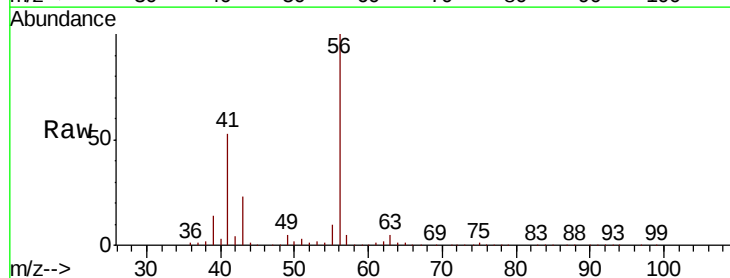
Instrument :
MSVOA_U
ClientSampleId :

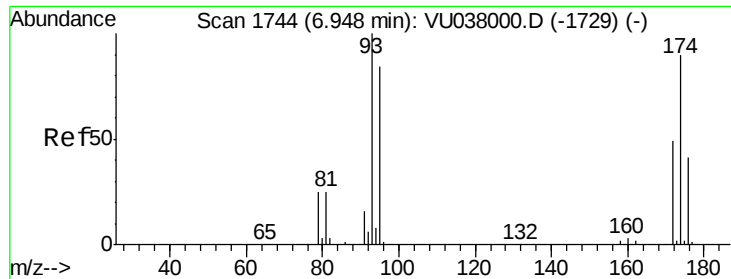
Tot Ion: 42 Resp: 197634
Ion Ratio Lower Upper
42 100
72 46.9 37.4 56.2
71 41.9 32.8 49.2



#42
1-Chlorobutane
Concen: 20.392 ug/l
RT: 5.49 min Scan# 1291
Delta R.T. 0.00 min
Lab File: VU038001.D
Acq: 04 May 2020 13:06

Tgt Ion: 56 Resp: 1122926
Ion Ratio Lower Upper
56 100
41 53.3 26.8 80.4

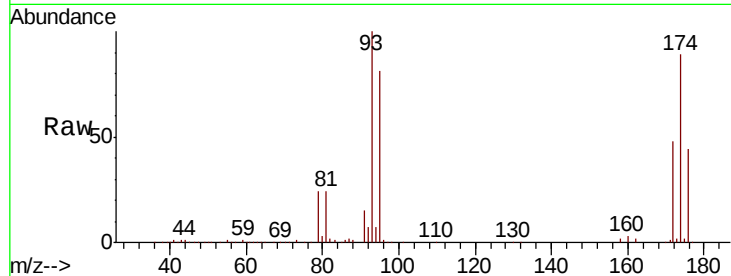




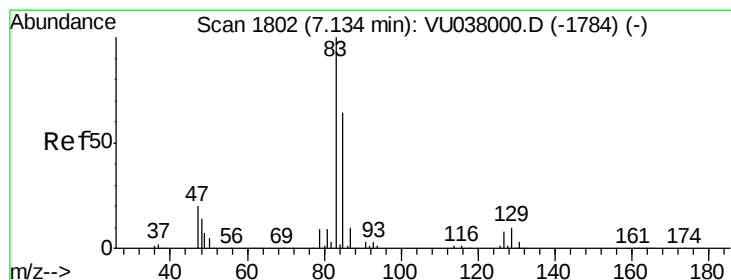
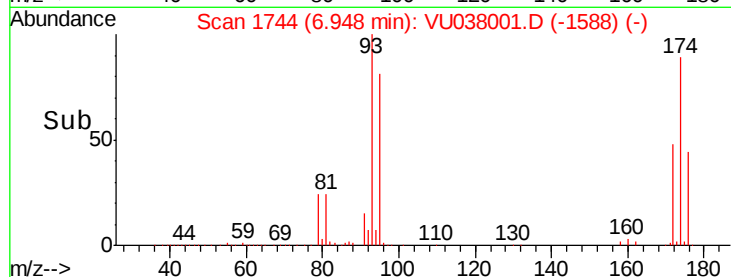
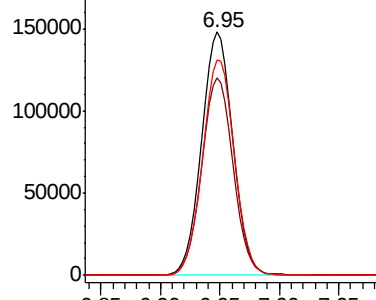
#43
Dibromomethane
Concen: 17.995 ug/l
RT: 6.95 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VU038001.D
Acq: 04 May 2020 13:06

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 93 Resp: 270001
Ion Ratio Lower Upper
93 100
95 81.3 66.1 99.1
174 89.8 72.8 109.2

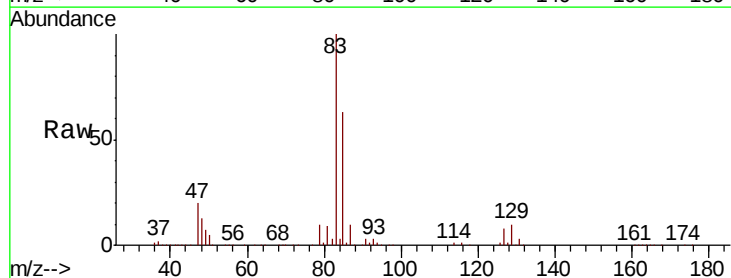


Abundance Ion 93.00 (92.70 to 93.70): VU0
Ion 95.00 (94.70 to 95.70): VU0
Ion 174.00 (173.70 to 174.70): V

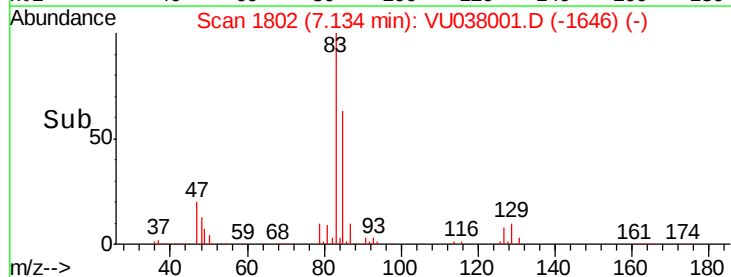
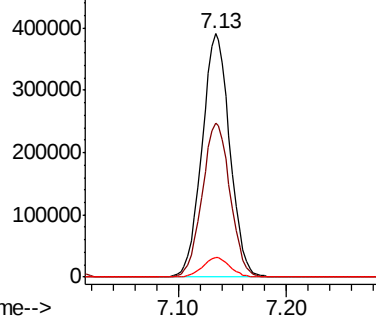


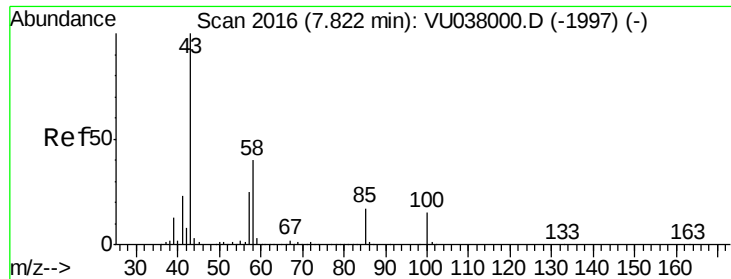
#44
Bromodichloromethane
Concen: 17.921 ug/l
RT: 7.13 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VU038001.D
Acq: 04 May 2020 13:06

Tgt Ion: 83 Resp: 696893
Ion Ratio Lower Upper
83 100
85 63.5 51.4 77.0
127 7.9 6.2 9.2



Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 85.00 (84.70 to 85.70): VU0
Ion 127.00 (126.70 to 127.70): V

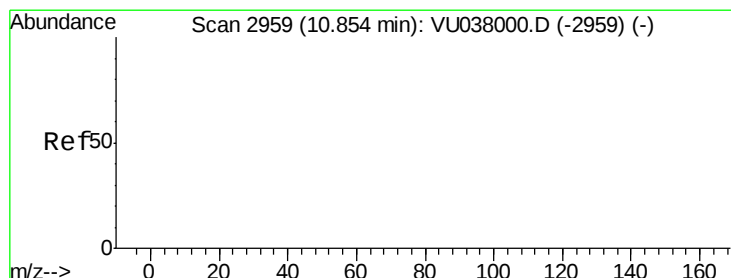
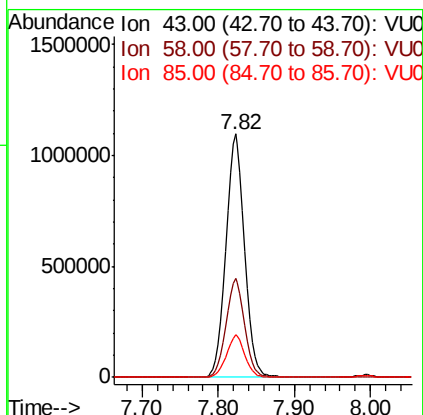
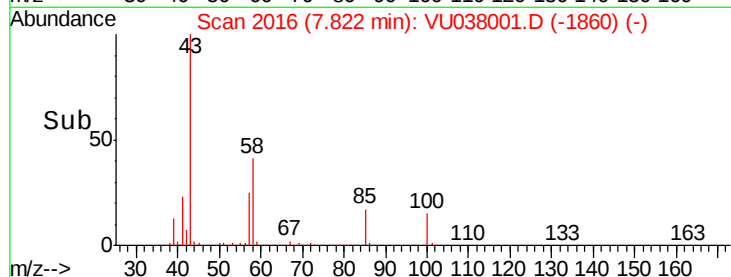
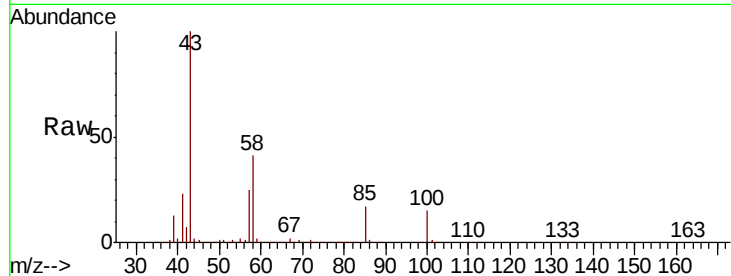




#45
4-Methyl-2-Pentanone
Concen: 93.157 ug/l
RT: 7.82 min Scan# 2016
Delta R.T. 0.00 min
Lab File: VU038001.D
Acq: 04 May 2020 13:06

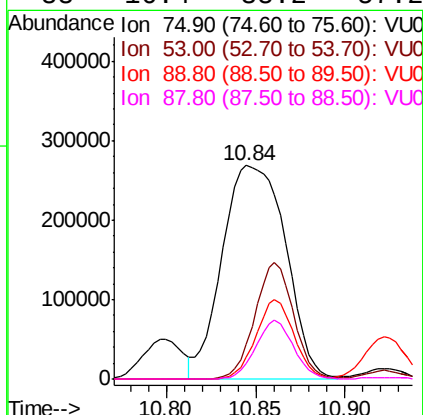
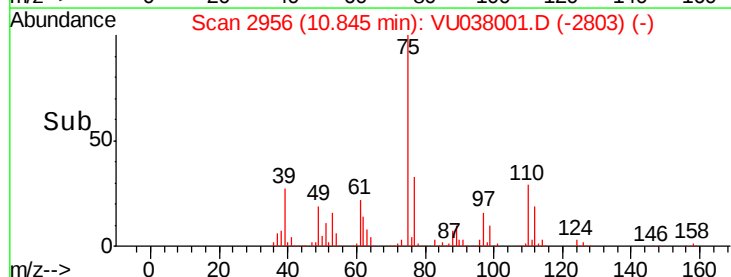
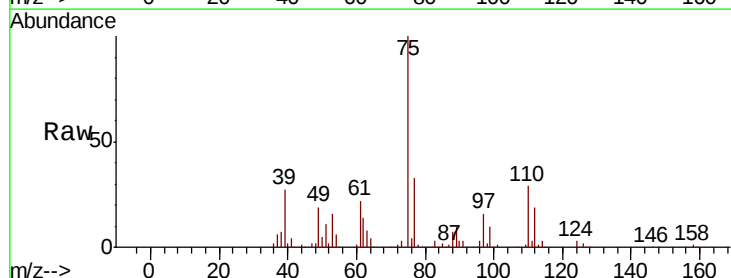
Instrument :
MSVOA_U
ClientSampled :

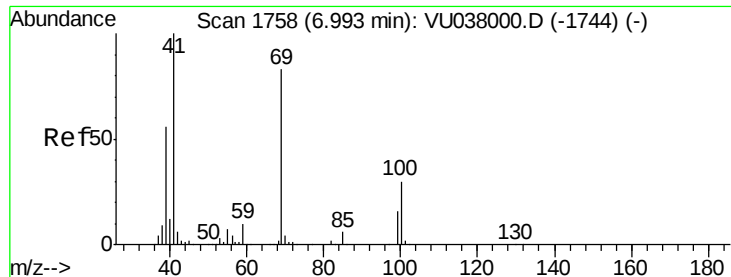
Tot Ion: 43 Resp: 1879644
Ion Ratio Lower Upper
43 100
58 40.5 20.1 60.3
85 17.1 13.7 20.5



#46
t-1,4-Dichloro-2-butene
Concen: 120.915 ug/l
RT: 10.84 min Scan# 2956
Delta R.T. -0.01 min
Lab File: VU038001.D
Acq: 04 May 2020 13:06

Tgt Ion: 75 Resp: 665988
Ion Ratio Lower Upper
75 100
53 33.3 81.1 121.7#
89 22.4 53.2 79.8#
88 16.4 38.2 57.2#

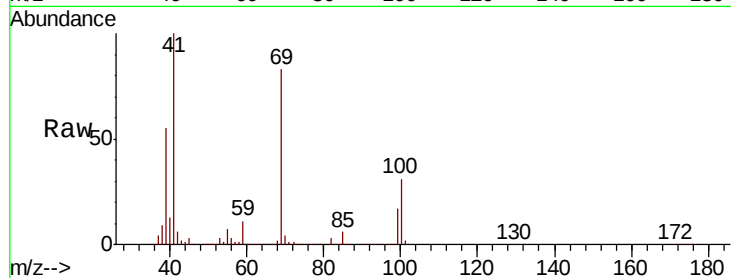




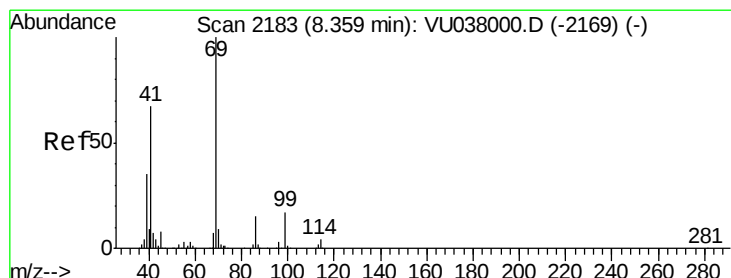
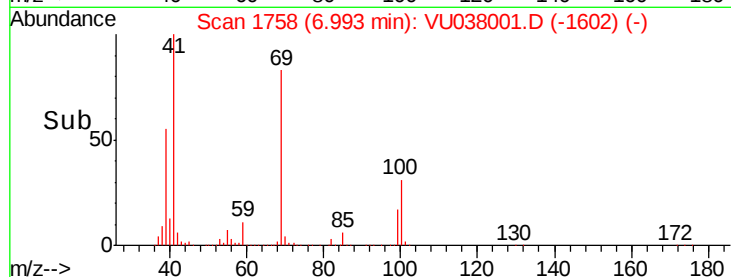
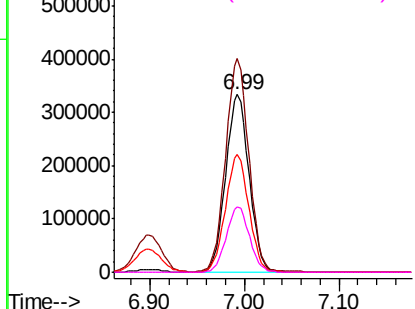
#47
Methvl methacrylate
Concen: 45.125 ug/l
RT: 6.99 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VU038001.D
Acq: 04 May 2020 13:06

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 69 Resp: 572214
Ion Ratio Lower Upper
69 100
41 118.6 0.0 241.6
39 65.5 52.9 79.3
100 36.4 29.1 43.7

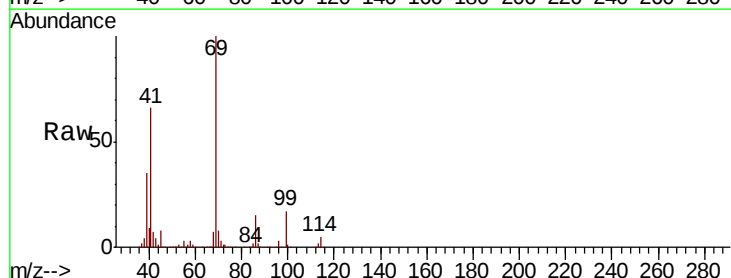


Abundance Ion 69.00 (68.70 to 69.70): VU0
Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

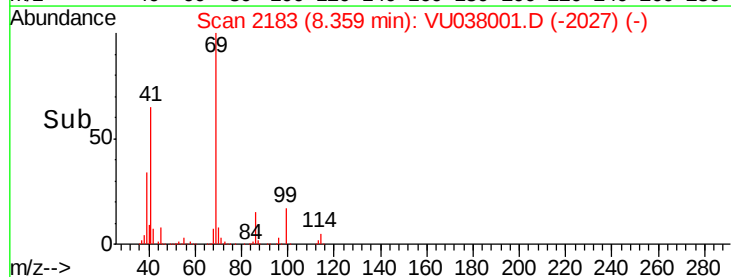
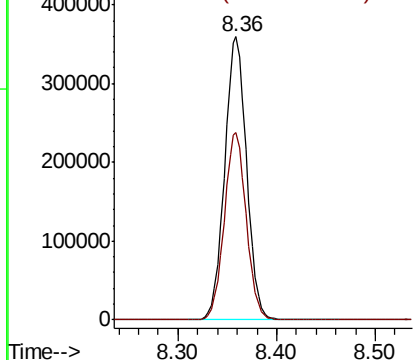


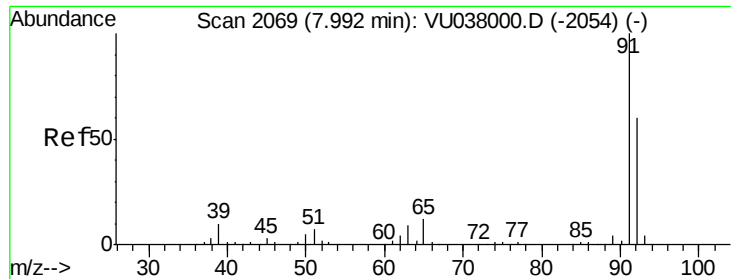
#48
Ethyl methacrylate
Concen: 22.477 ug/l
RT: 8.36 min Scan# 2183
Delta R.T. 0.00 min
Lab File: VU038001.D
Acq: 04 May 2020 13:06

Tgt Ion: 69 Resp: 561852
Ion Ratio Lower Upper
69 100
41 66.0 33.6 100.8



Abundance Ion 69.00 (68.70 to 69.70): VU0
Ion 41.00 (40.70 to 41.70): VU0





#49

Toluene

Concen: 21.091 ug/l

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU038001.D

Acq: 04 May 2020 13:06

Instrument :

MSVOA_U

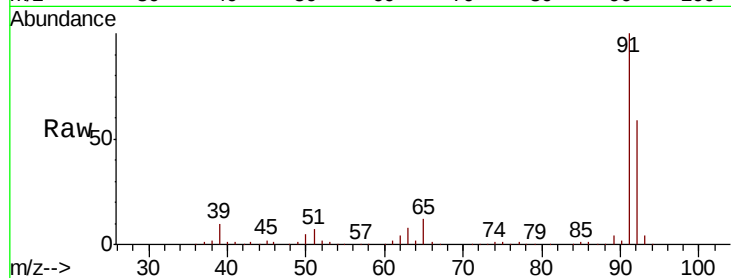
ClientSampleId :

Tot Ion: 92 Resp: 1382634

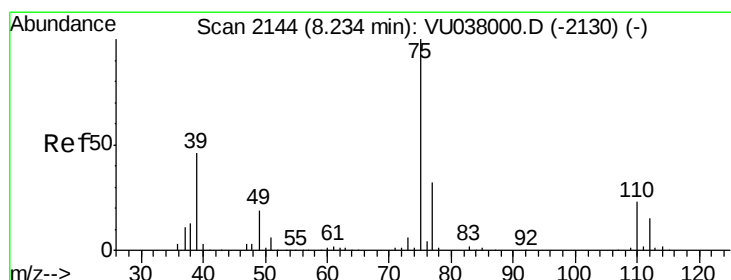
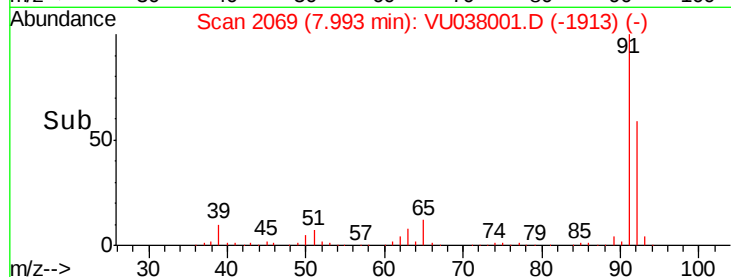
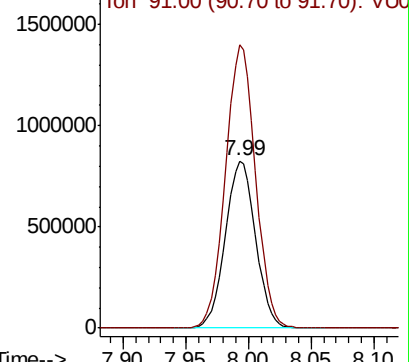
Ion Ratio Lower Upper

92 100

91 169.1 134.4 201.6



Abundance Ion 92.00 (91.70 to 92.70): VU038000.D (-2054) (-)



#50

t-1,3-Dichloropropene

Concen: 20.759 ug/l

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU038001.D

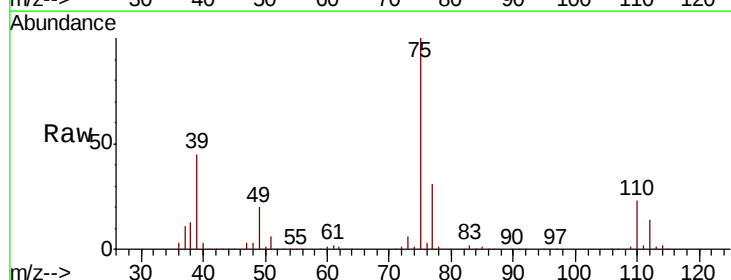
Acq: 04 May 2020 13:06

Tgt Ion: 75 Resp: 740851

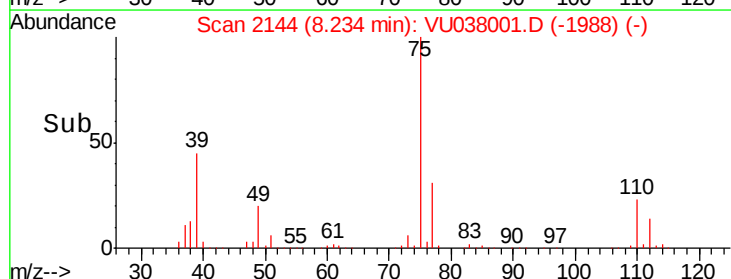
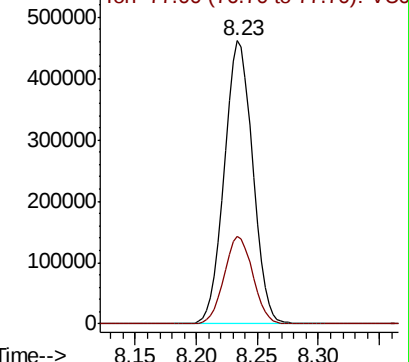
Ion Ratio Lower Upper

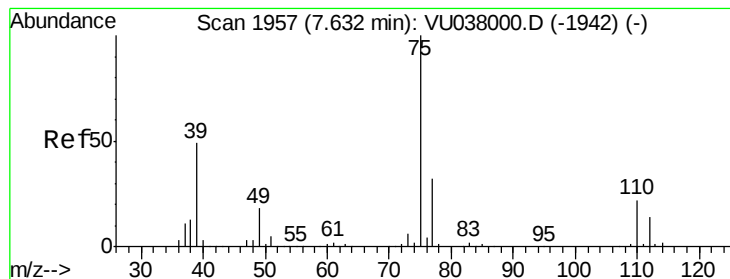
75 100

77 30.7 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VU038000.D (-2130) (-)



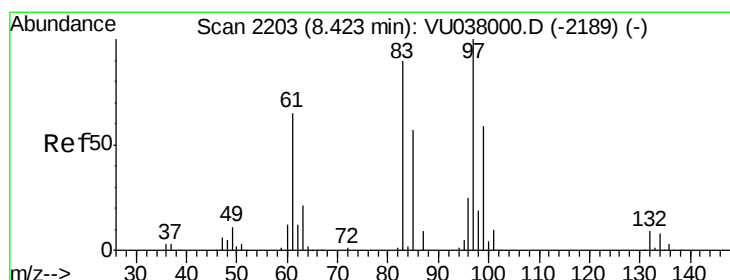
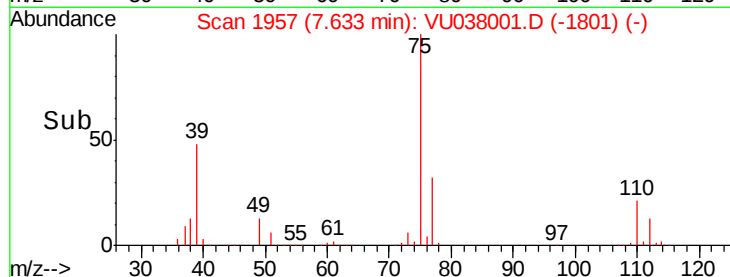
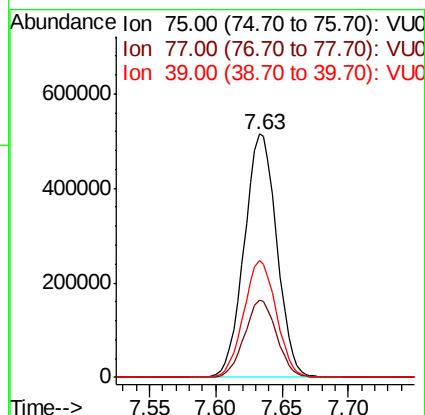
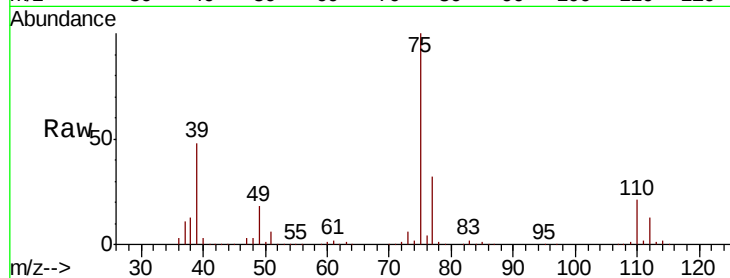


#51

cis-1,3-Dichloropropene
Concen: 21.363 ug/l
RT: 7.63 min Scan# 1957
Delta R.T. 0.00 min
Lab File: VU038001.D
Acq: 04 May 2020 13:06

Instrument :
MSVOA_U
ClientSampleId :

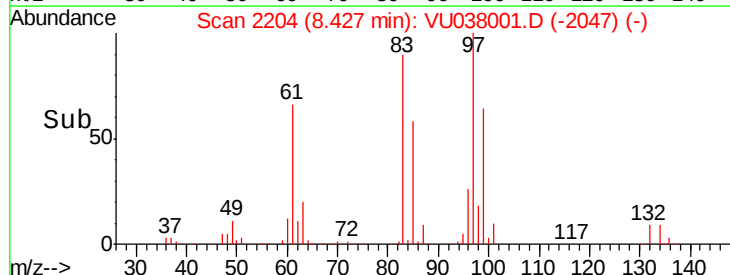
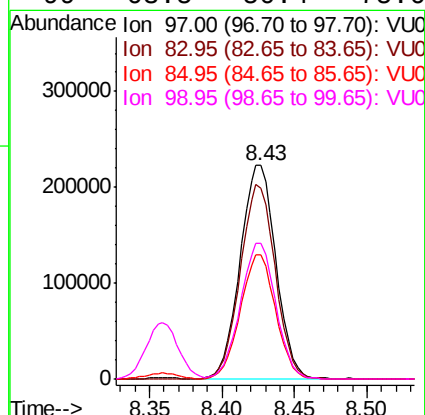
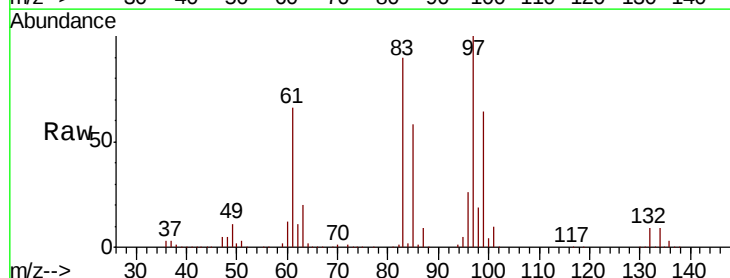
Tot Ion	75	Resp	879648
Ion Ratio	Lower	Upper	
75	100		
77	31.6	25.5	38.3
39	47.8	39.0	58.4

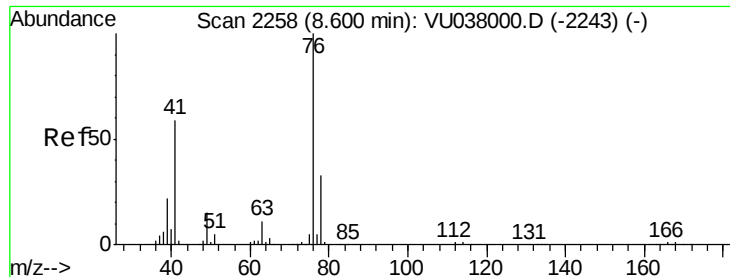


#52

1,1,2-Trichloroethane
Concen: 18.854 ug/l
RT: 8.43 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VU038001.D
Acq: 04 May 2020 13:06

Tgt Ion	97	Resp	380354
Ion Ratio	Lower	Upper	
97	100		
83	89.7	72.4	108.6
85	57.8	46.0	69.0
99	63.5	50.4	75.6





#53

1,3-Dichloropropane

Concen: 19.876 ug/l

RT: 8.60 min Scan# 2258

Delta R.T. 0.00 min

Lab File: VU038001.D

Acq: 04 May 2020 13:06

Instrument :

MSVOA_U

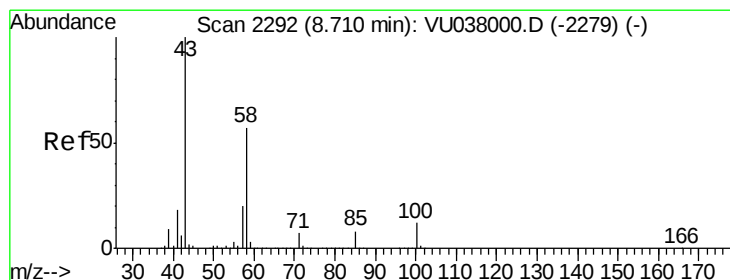
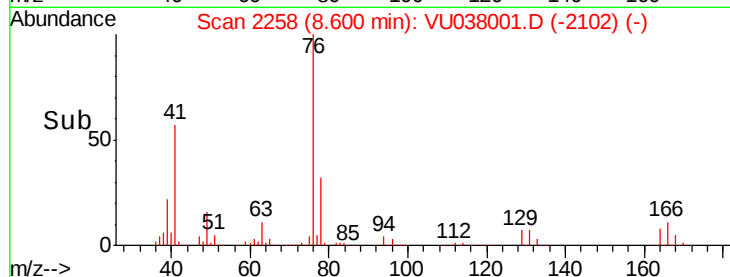
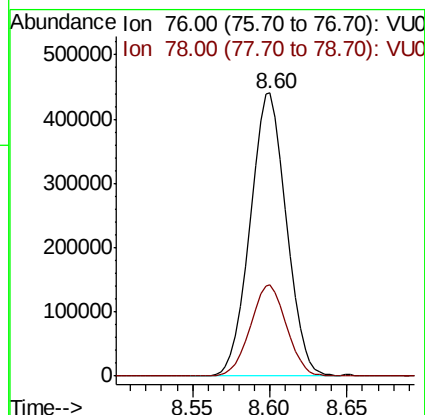
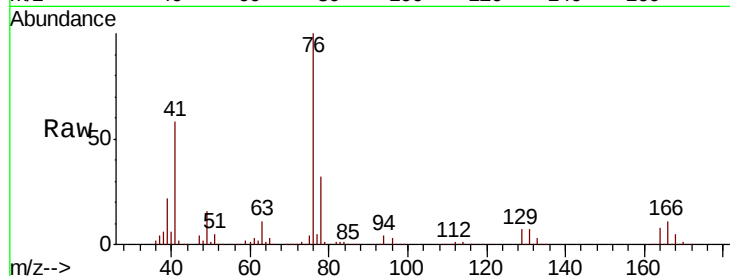
ClientSampleId :

Tot Ion: 76 Resp: 718850

Ion Ratio Lower Upper

76 100

78 32.4 25.8 38.6



#54

2-Hexanone

Concen: 95.241 ug/l

RT: 8.71 min Scan# 2292

Delta R.T. 0.00 min

Lab File: VU038001.D

Acq: 04 May 2020 13:06

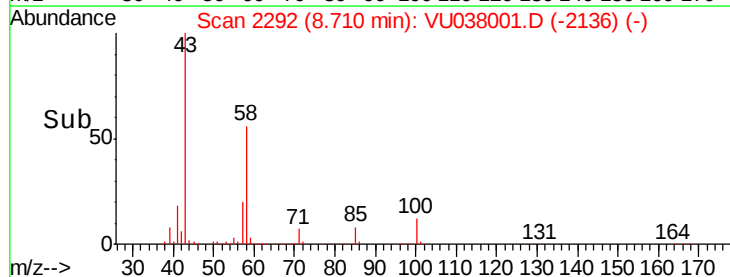
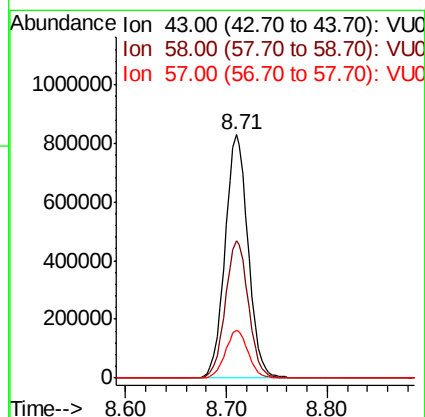
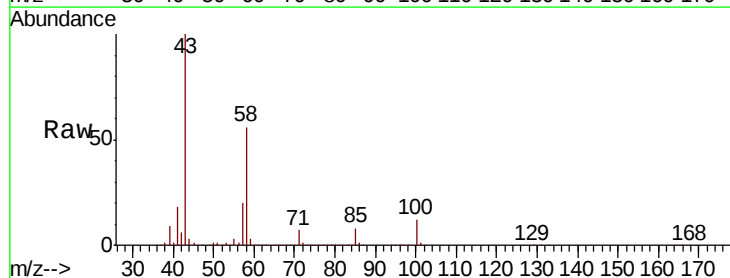
Tgt Ion: 43 Resp: 1320658

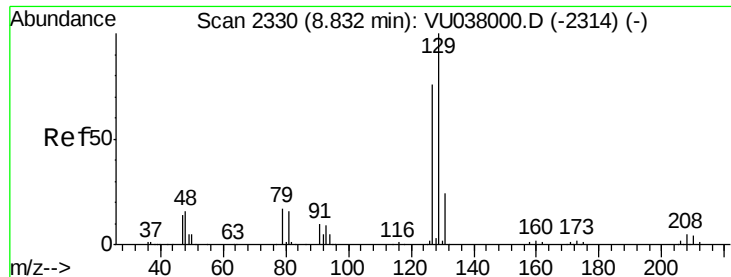
Ion Ratio Lower Upper

43 100

58 57.0 36.5 76.5

57 19.5 0.0 39.5





#55

Dibromochloromethane

Concen: 18.196 ug/l

RT: 8.83 min Scan# 2330

Delta R.T. 0.00 min

Lab File: VU038001.D

Acq: 04 May 2020 13:06

Instrument :

MSVOA_U

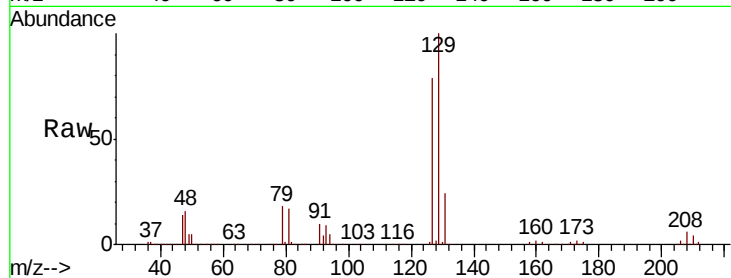
ClientSampleId :

Tot Ion:129 Resp: 447186

Ion Ratio Lower Upper

129 100

127 78.6 62.2 93.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

8.83

250000

200000

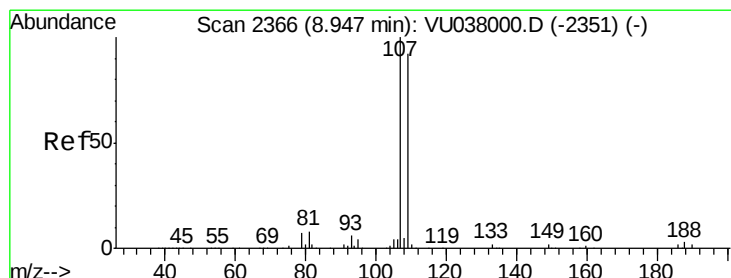
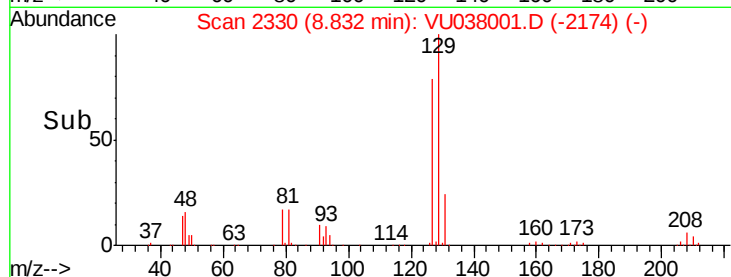
150000

100000

50000

0

Time-->



#56

1,2-Dibromoethane

Concen: 19.256 ug/l

RT: 8.95 min Scan# 2366

Delta R.T. 0.00 min

Lab File: VU038001.D

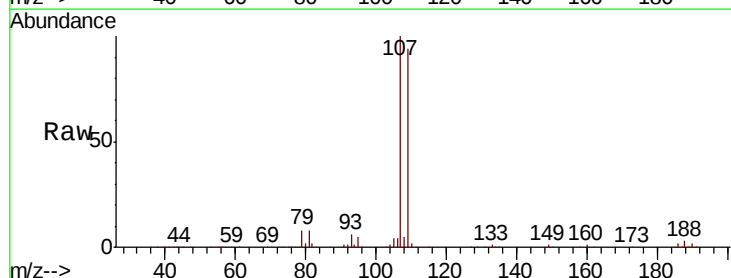
Acq: 04 May 2020 13:06

Tgt Ion:107 Resp: 364184

Ion Ratio Lower Upper

107 100

109 93.4 0.0 184.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8.95

250000

200000

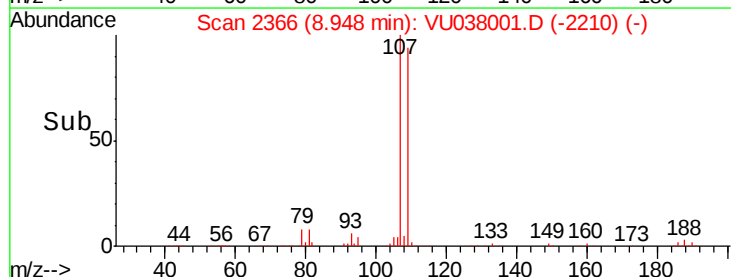
150000

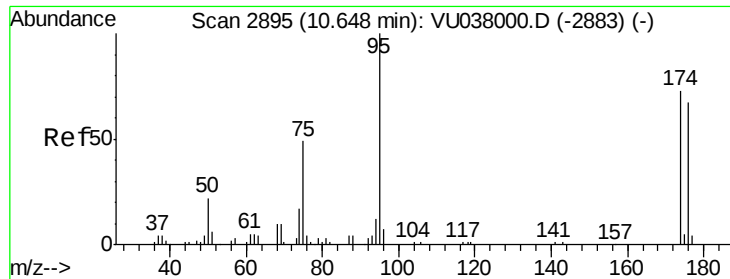
100000

50000

0

Time-->

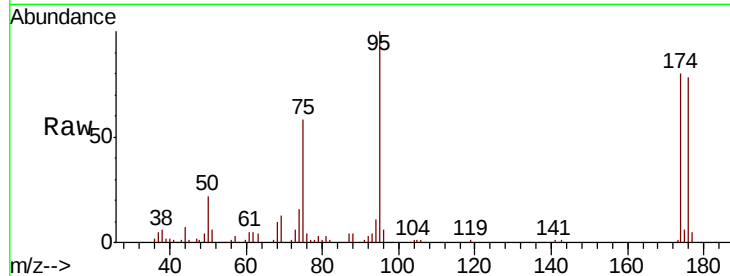




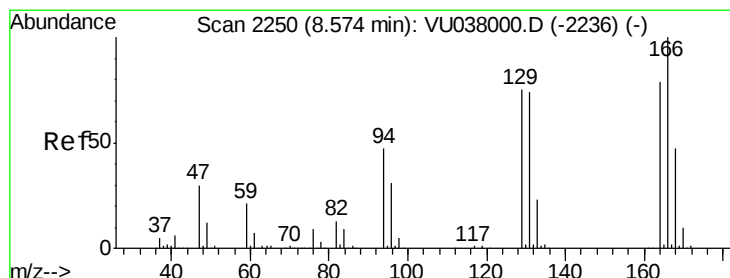
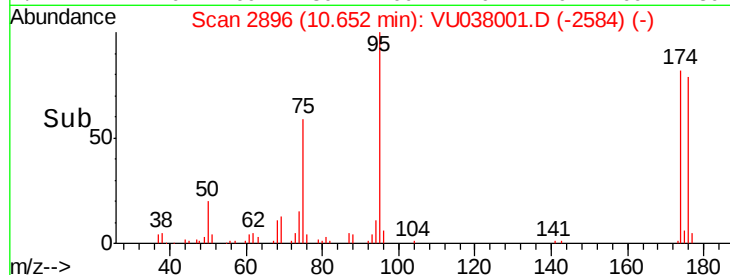
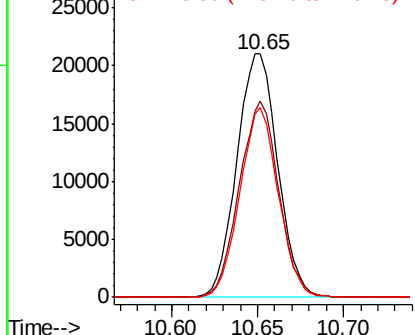
#57
 4-Bromofluorobenzene
 Concen: 0.988 ug/l
 RT: 10.65 min Scan# 2896
 Delta R.T. 0.00 min
 Lab File: VU038001.D
 Acq: 04 May 2020 13:06

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 95 Resp: 34632
 Ion Ratio Lower Upper
 95 100
 174 77.6 61.2 91.8
 176 73.5 57.1 85.7

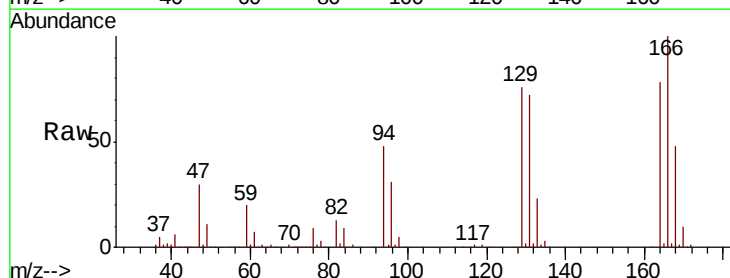


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 174.00 (173.70 to 174.70): V
 Ion 176.00 (175.70 to 176.70): V

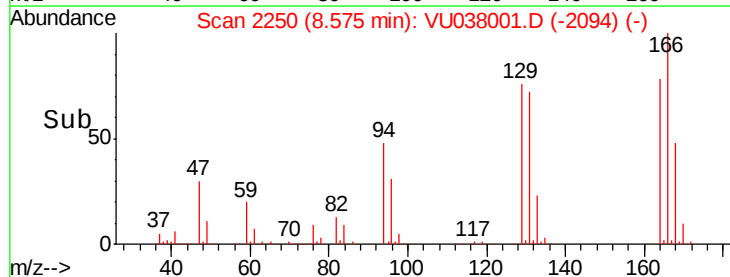
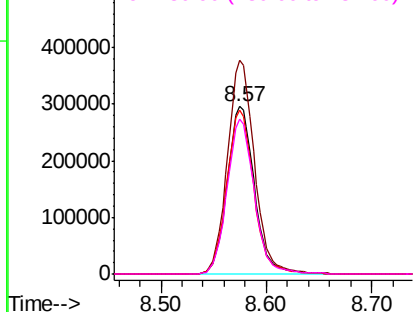


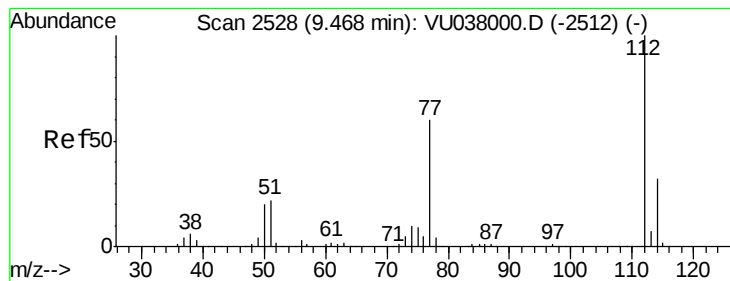
#58
 Tetrachloroethene
 Concen: 19.592 ug/l
 RT: 8.57 min Scan# 2250
 Delta R.T. 0.00 min
 Lab File: VU038001.D
 Acq: 04 May 2020 13:06

Tgt Ion: 164 Resp: 525583
 Ion Ratio Lower Upper
 164 100
 166 127.4 101.5 152.3
 129 97.5 76.6 114.8
 131 92.2 75.0 112.4



Abundance Ion 163.85 (163.55 to 164.55): V
 Ion 165.80 (165.50 to 166.50): V
 Ion 128.90 (128.60 to 129.60): V
 Ion 130.90 (130.60 to 131.60): V





#59

Chlorobenzene

Concen: 20.191 ug/l

RT: 9.47 min Scan# 2528

Delta R.T. 0.00 min

Lab File: VU038001.D

Acq: 04 May 2020 13:06

Instrument :

MSVOA_U

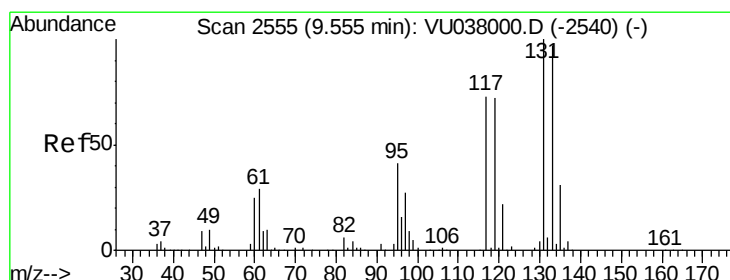
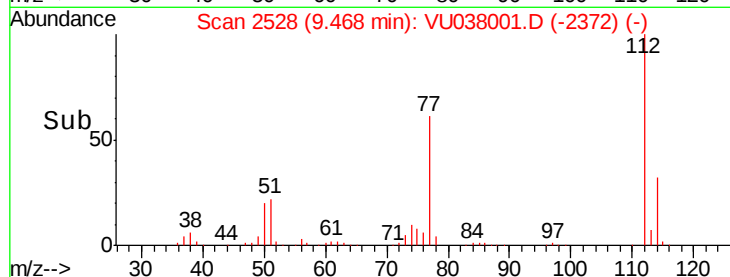
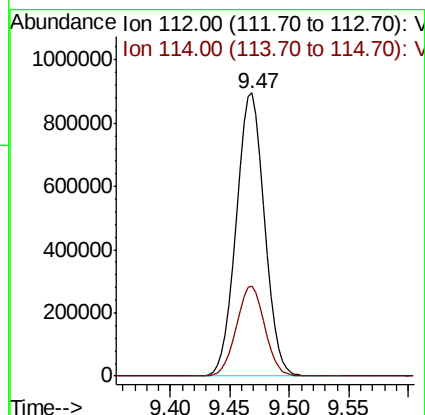
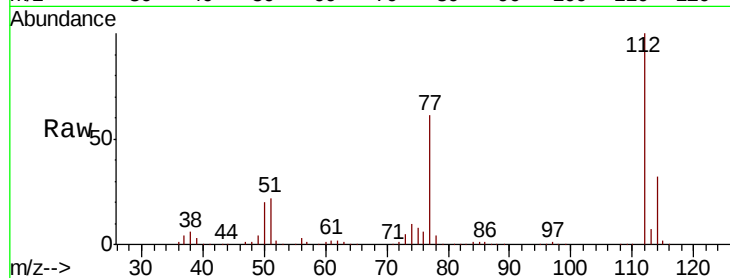
ClientSampled :

Tot Ion:112 Resp: 1476187

Ion Ratio Lower Upper

112 100

114 31.7 25.7 38.5



#60

1,1,1,2-Tetrachloroethane

Concen: 18.220 ug/l

RT: 9.56 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VU038001.D

Acq: 04 May 2020 13:06

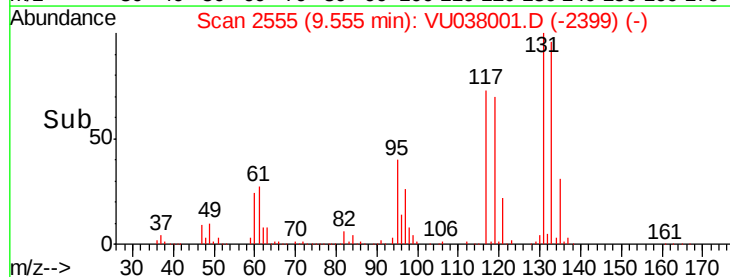
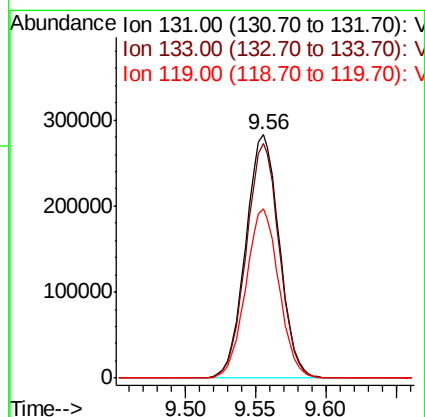
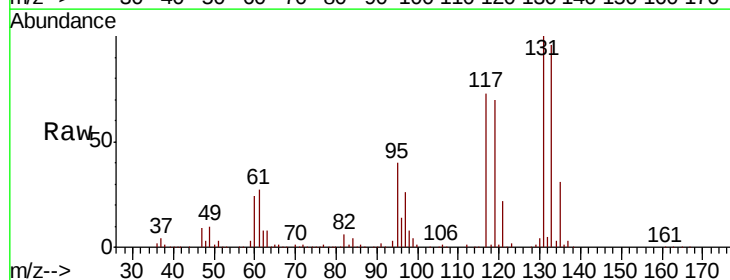
Tgt Ion:131 Resp: 473248

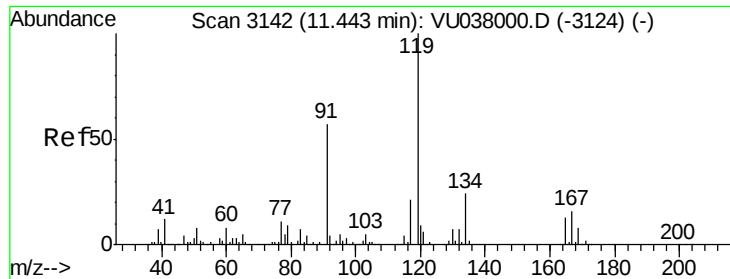
Ion Ratio Lower Upper

131 100

133 95.0 76.8 115.2

119 68.7 56.7 85.1

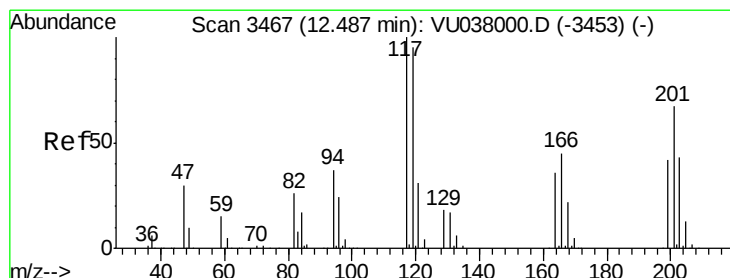
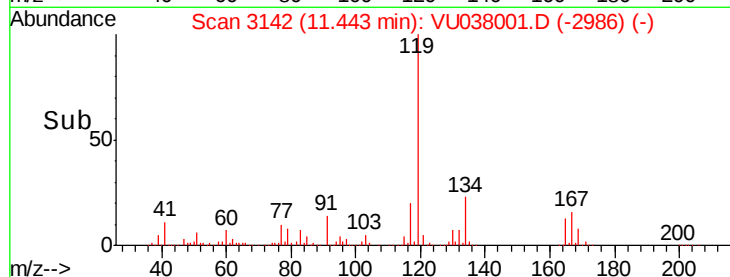
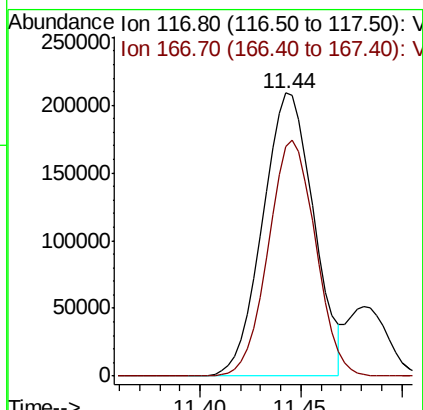
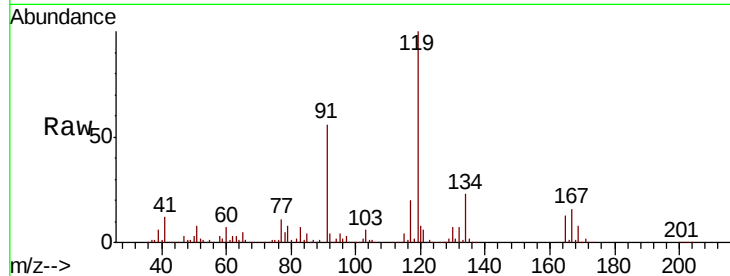




#61
 Pentachloroethane
 Concen: 18.533 ug/l
 RT: 11.44 min Scan# 3142
 Delta R.T. 0.00 min
 Lab File: VU038001.D
 Acq: 04 May 2020 13:06

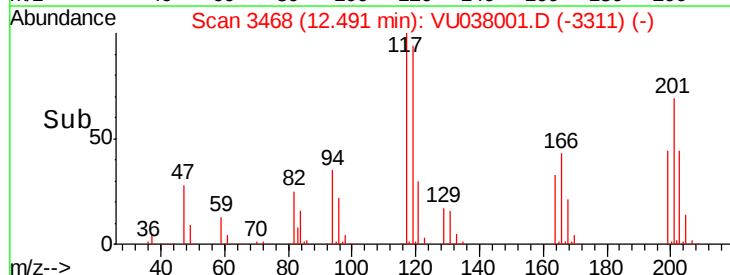
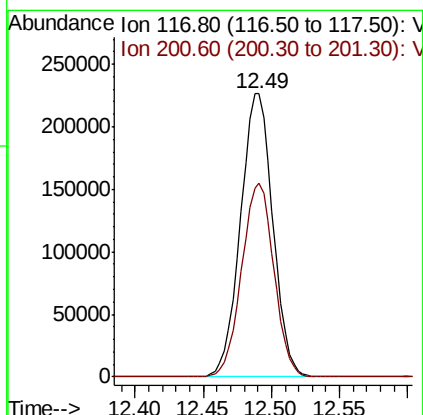
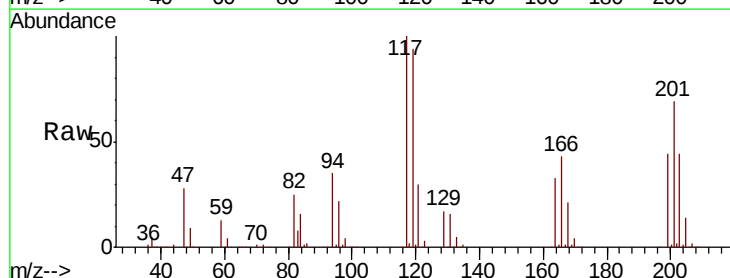
Instrument :
 MSVOA_U
 ClientSampleId :

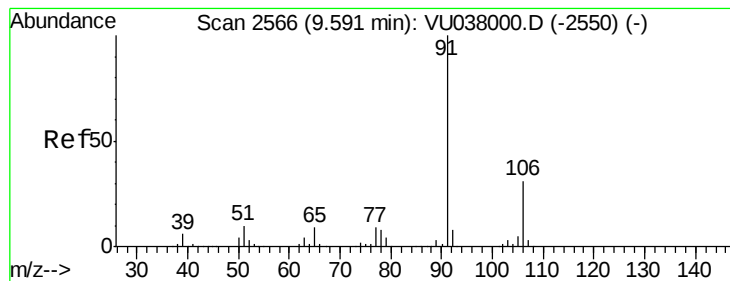
Tot Ion:117 Resp: 367528
 Ion Ratio Lower Upper
 117 100
 167 76.8 60.3 90.5



#62
 Hexachloroethane
 Concen: 17.677 ug/l
 RT: 12.49 min Scan# 3468
 Delta R.T. 0.00 min
 Lab File: VU038001.D
 Acq: 04 May 2020 13:06

Tgt Ion:117 Resp: 372324
 Ion Ratio Lower Upper
 117 100
 201 68.3 54.7 82.1





#63

Ethyl Benzene

Concen: 21.440 ug/l

RT: 9.59 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VU038001.D

Acq: 04 May 2020 13:06

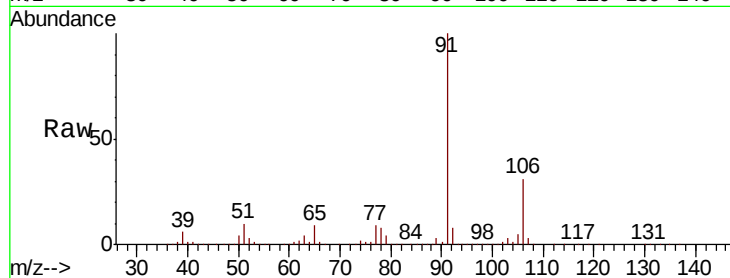
Instrument :
MSVOA_U
ClientSampleID :

Tot Ion: 91 Resp: 2674476

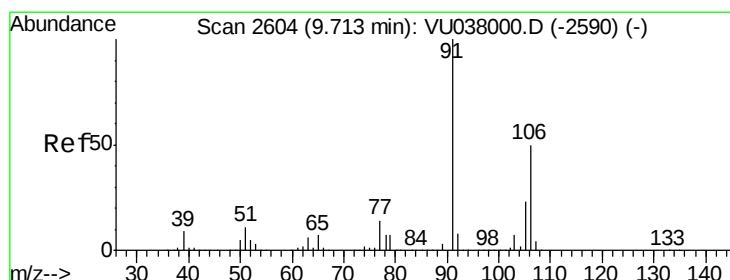
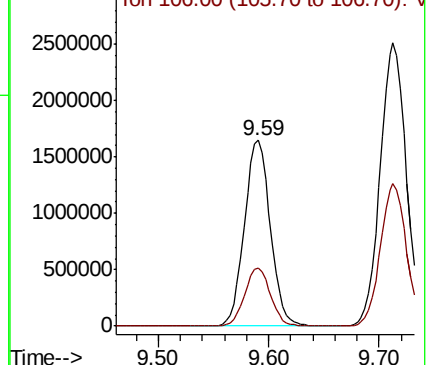
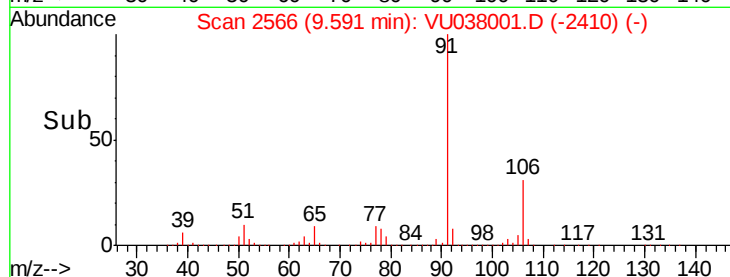
Ion Ratio Lower Upper

91 100

106 31.3 24.9 37.3



Abundance Ion 91.00 (90.70 to 91.70): VU038001.D (-2410) (-)



#64

m/p-Xylenes

Concen: 44.159 ug/l

RT: 9.71 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VU038001.D

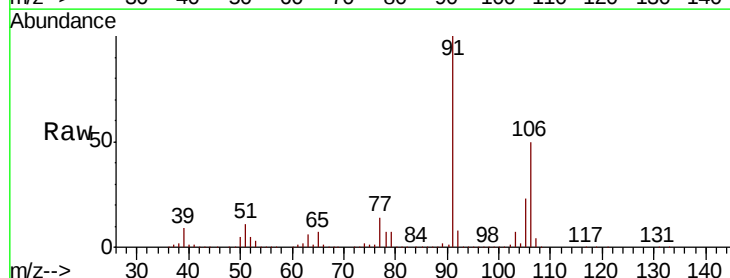
Acq: 04 May 2020 13:06

Tgt Ion:106 Resp: 2085543

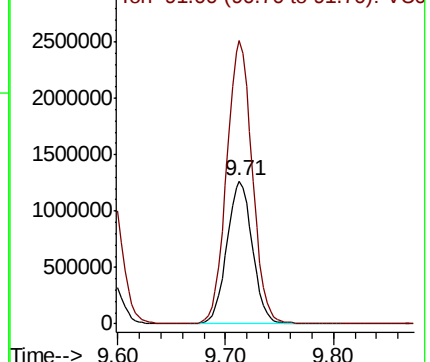
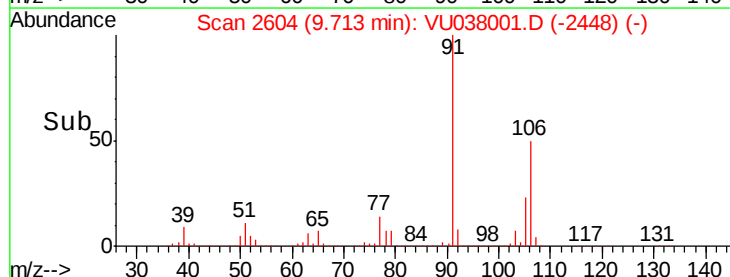
Ion Ratio Lower Upper

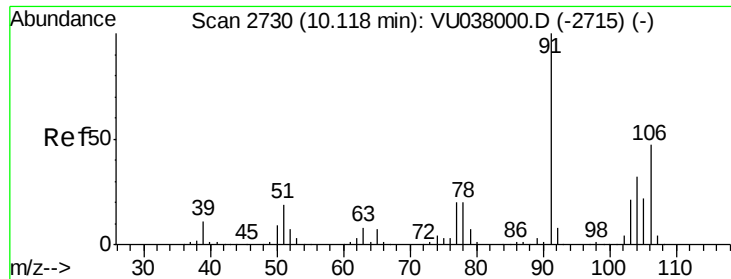
106 100

91 199.1 159.5 239.3



Abundance Ion 106.00 (105.70 to 106.70): VU038001.D (-2448) (-)





#65

o-Xylene

Concen: 22.031 ug/l

RT: 10.12 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VU038001.D

Acq: 04 May 2020 13:06

Instrument :

MSVOA_U

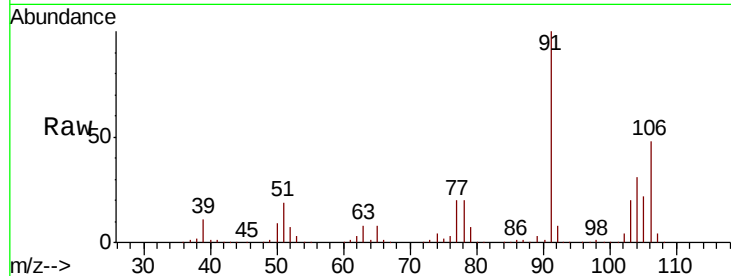
ClientSampled :

Tot Ion:106 Resp: 1006593

Ion Ratio Lower Upper

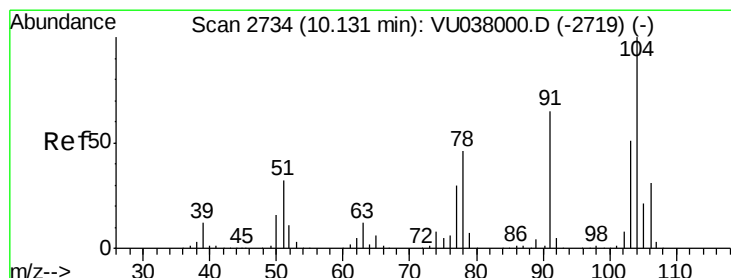
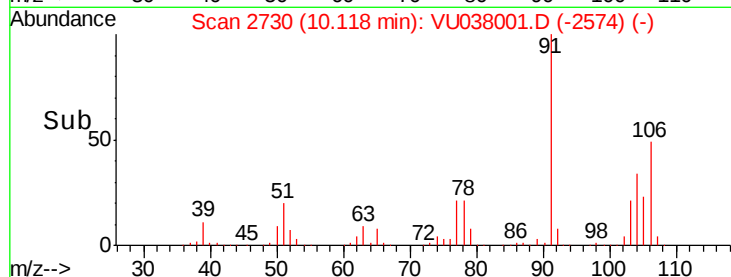
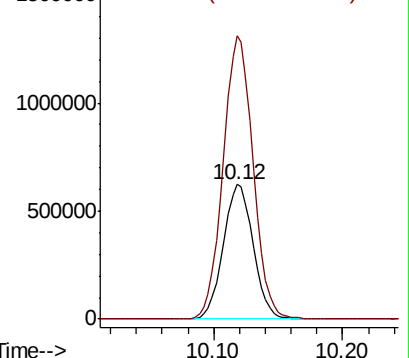
106 100

91 210.4 105.7 317.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#66

Styrene

Concen: 23.039 ug/l

RT: 10.13 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VU038001.D

Acq: 04 May 2020 13:06

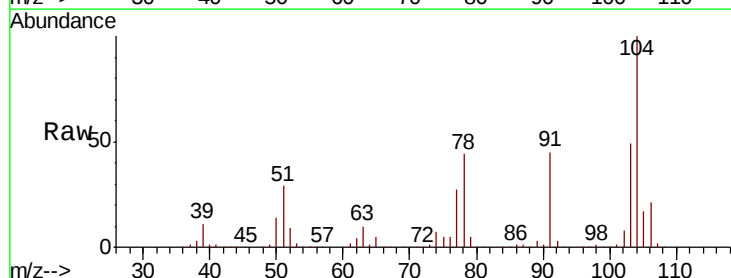
Tgt Ion:104 Resp: 1719835

Ion Ratio Lower Upper

104 100

78 49.5 39.9 59.9

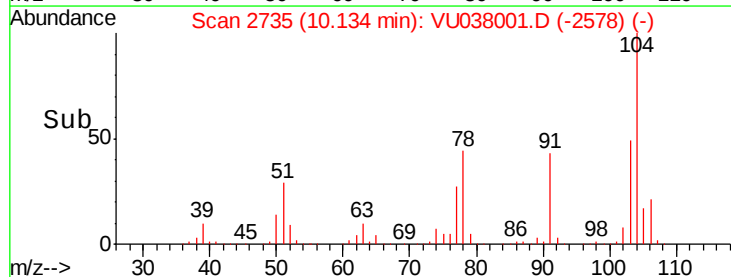
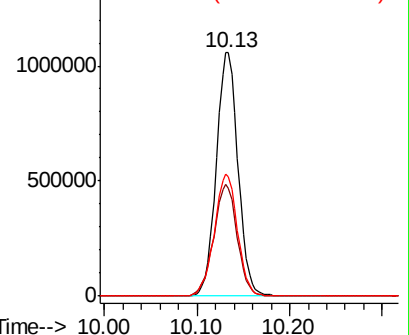
103 53.3 43.4 65.2

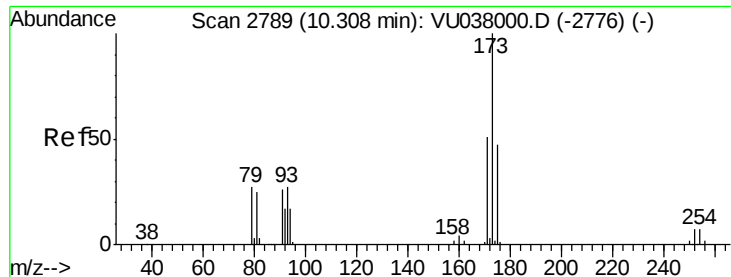


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V





#67

Bromoform

Concen: 19.159 ug/l

RT: 10.31 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VU038001.D

Acq: 04 May 2020 13:06

Instrument :

MSVOA_U

ClientSampleId :

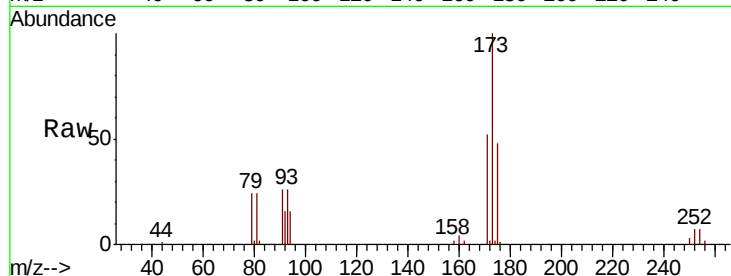
Tot Ion:173 Resp: 247070

Ion Ratio Lower Upper

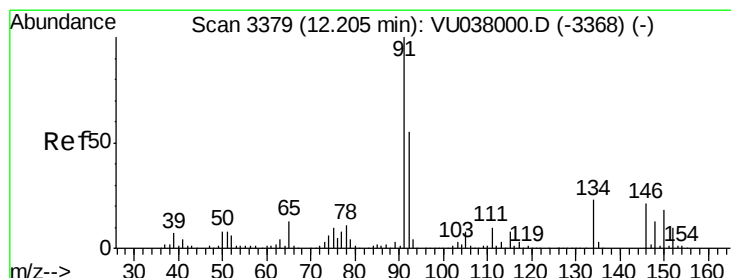
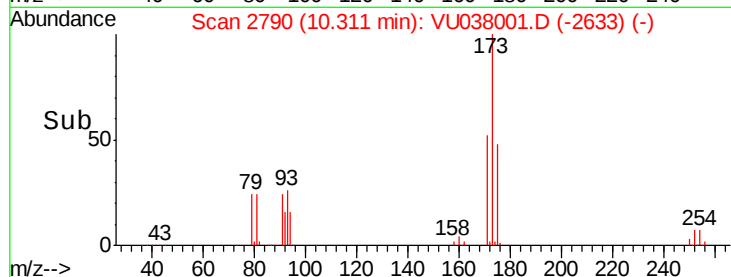
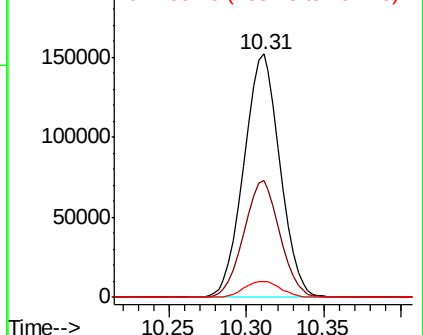
173 100

175 48.0 37.6 56.4

254 6.7 5.5 8.3



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



#68

1,2-Dichlorobenzene-d4

Concen: 0.985 ug/l

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU038001.D

Acq: 04 May 2020 13:06

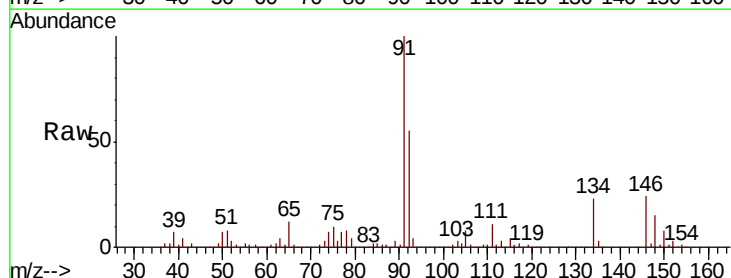
Tgt Ion:152 Resp: 34654

Ion Ratio Lower Upper

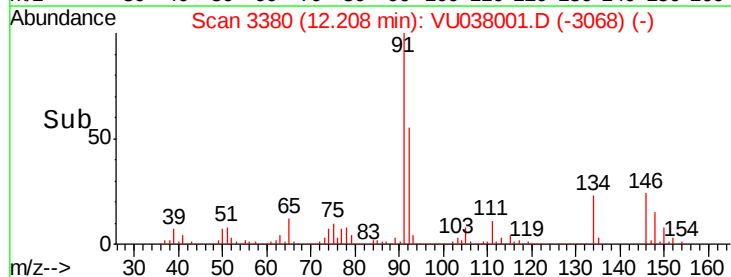
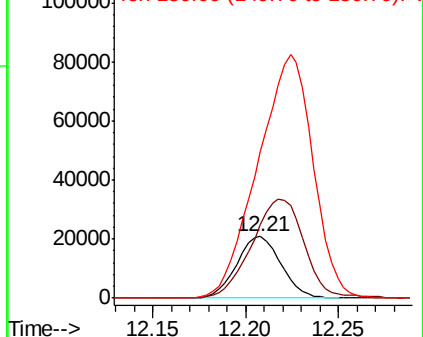
152 100

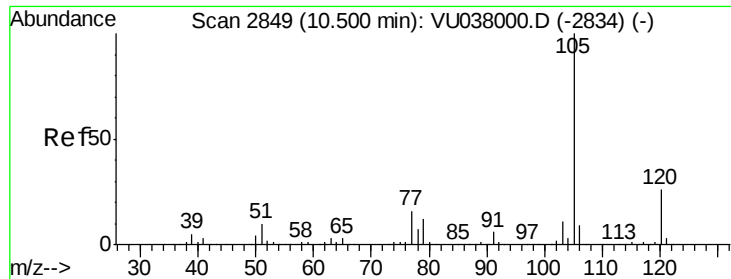
115 190.5 0.0 261.0

150 491.3 0.0 650.2



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 21.437 ug/l

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU038001.D

Acq: 04 May 2020 13:06

Instrument :

MSVOA_U

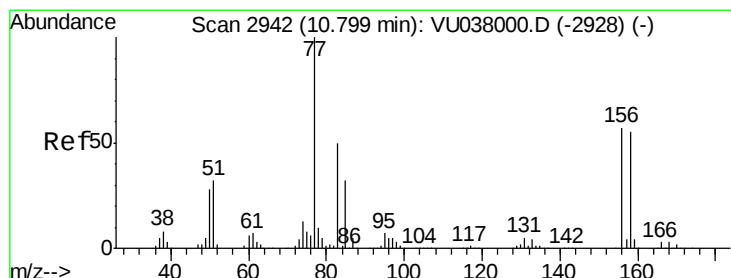
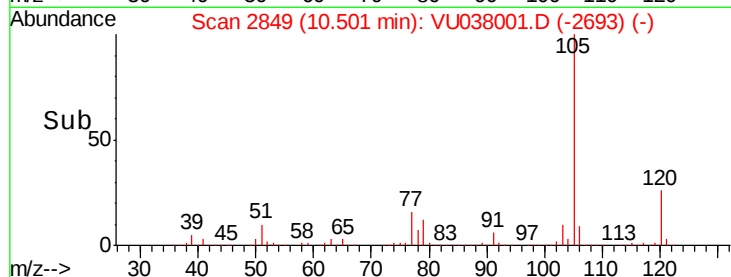
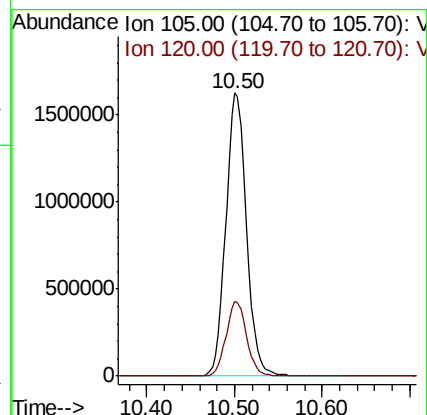
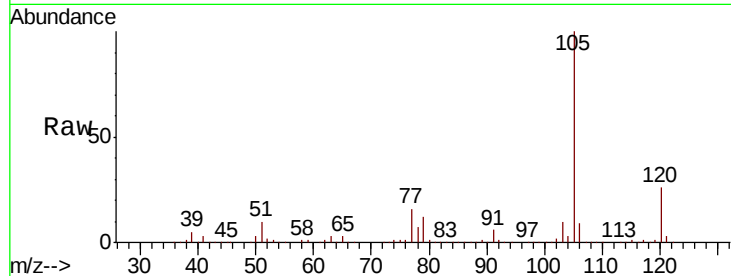
ClientSampleId :

Tot Ion:105 Resp: 2660044

Ion Ratio Lower Upper

105 100

120 26.4 13.1 39.3



#70

1,1,2,2-Tetrachloroethane

Concen: 19.259 ug/l

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU038001.D

Acq: 04 May 2020 13:06

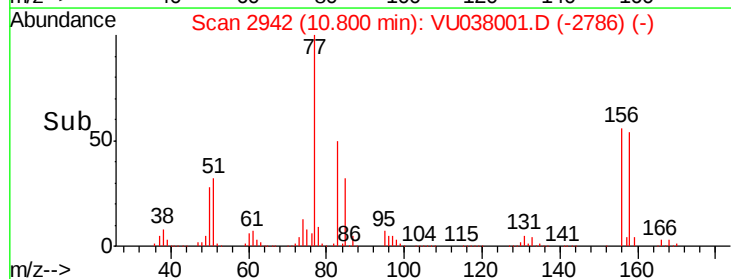
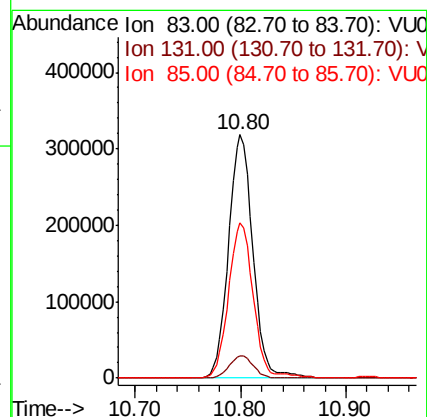
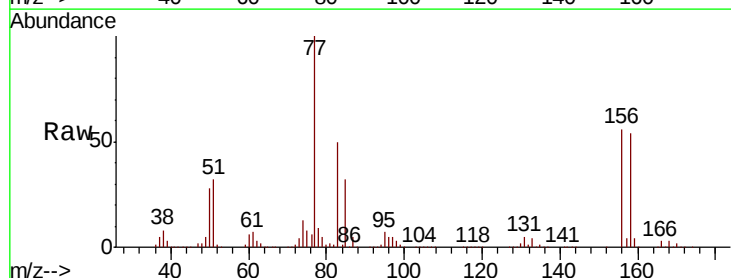
Tgt Ion: 83 Resp: 509493

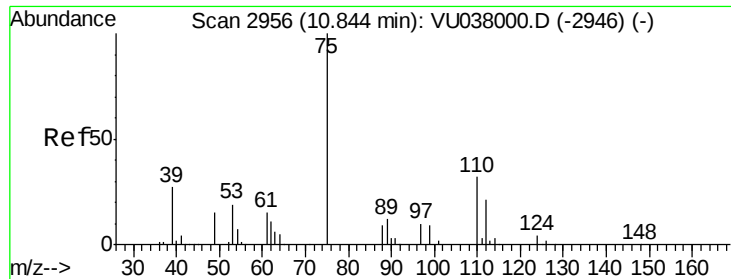
Ion Ratio Lower Upper

83 100

131 9.0 7.2 10.8

85 64.8 50.0 75.0

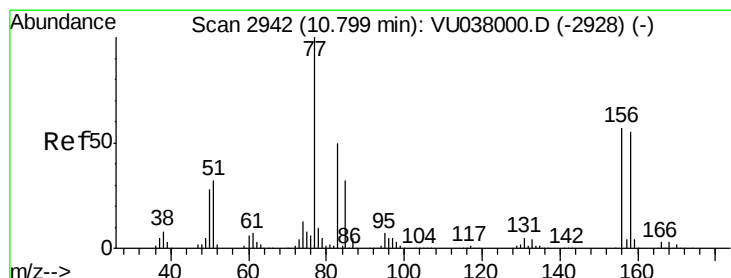
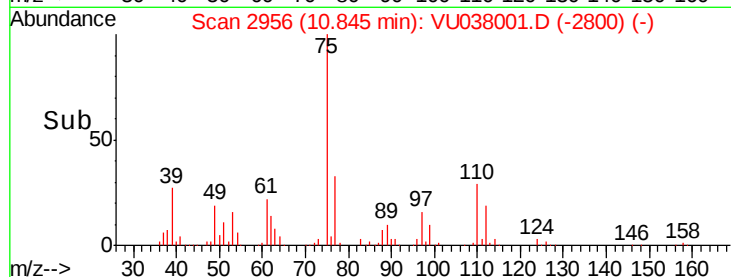
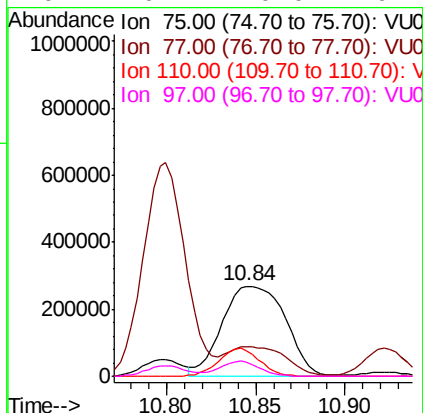
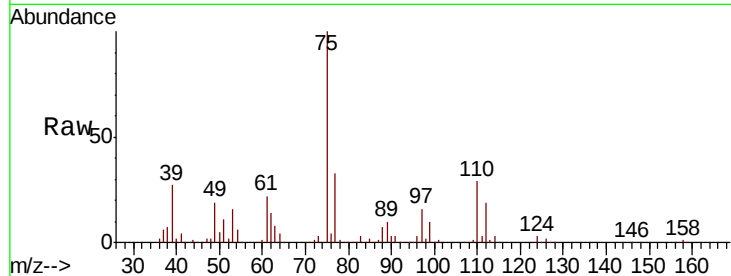




#71
1,2,3-Trichloropropane
Concen: 31.926 ug/l
RT: 10.84 min Scan# 2956
Delta R.T. 0.00 min
Lab File: VU038001.D
Acq: 04 May 2020 13:06

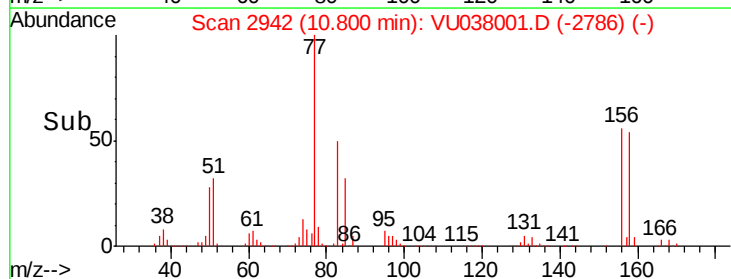
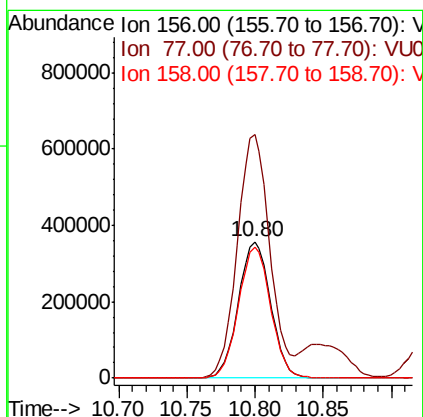
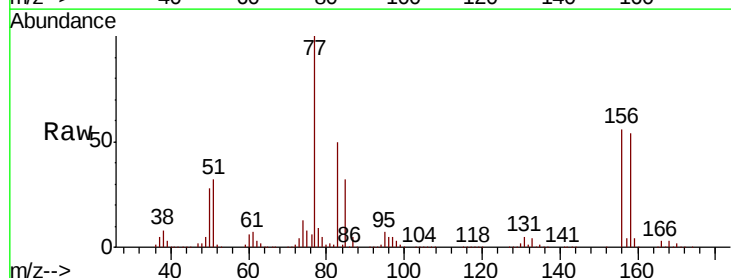
Instrument :
MSVOA_U
ClientSampleId :

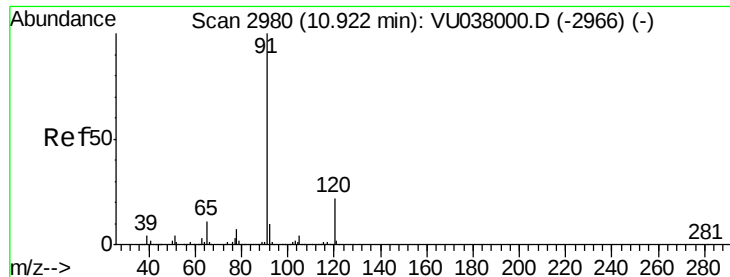
Tot Ion:	75	Resp:	665988
Ion	Ratio	Lower	Upper
75	100		
77	30.2	0.0	108.6
110	20.2	0.0	79.4
97	10.4	0.0	40.4



#72
Bromobenzene
Concen: 19.515 ug/l
RT: 10.80 min Scan# 2942
Delta R.T. 0.00 min
Lab File: VU038001.D
Acq: 04 May 2020 13:06

Tgt Ion:	156	Resp:	585993
Ion	Ratio	Lower	Upper
156	100		
77	180.3	0.0	355.6
158	96.1	0.0	194.0





#73

n-propylbenzene

Concen: 22.376 ug/l

RT: 10.92 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU038001.D

Acq: 04 May 2020 13:06

Instrument :

MSVOA_U

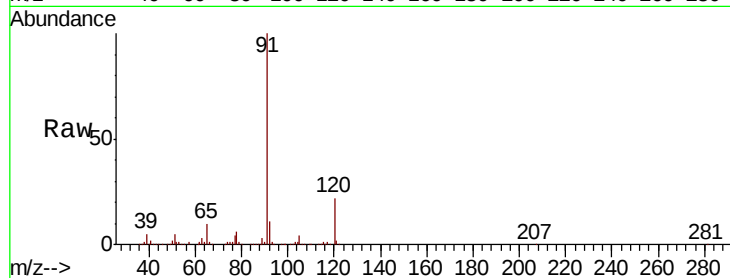
ClientSampleId :

Tot Ion:120 Resp: 737665

Ion Ratio Lower Upper

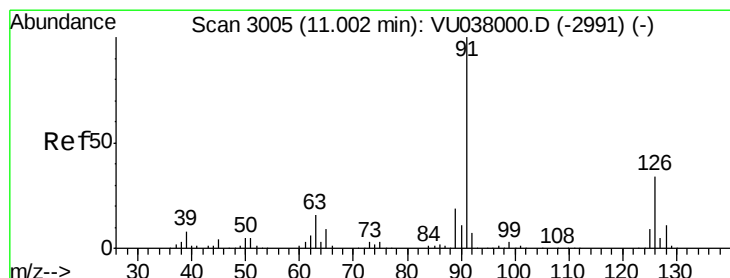
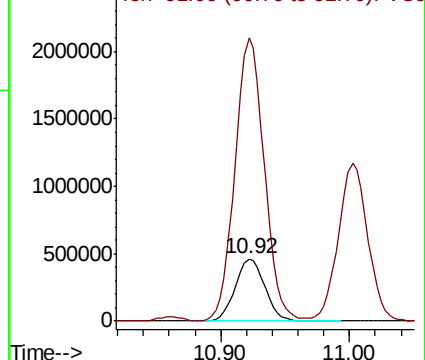
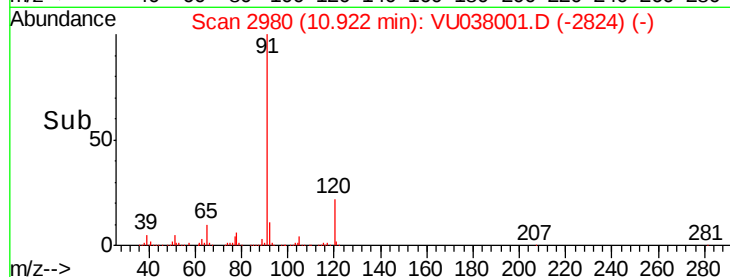
120 100

91 447.5 355.4 533.0



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 20.419 ug/l

RT: 11.00 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VU038001.D

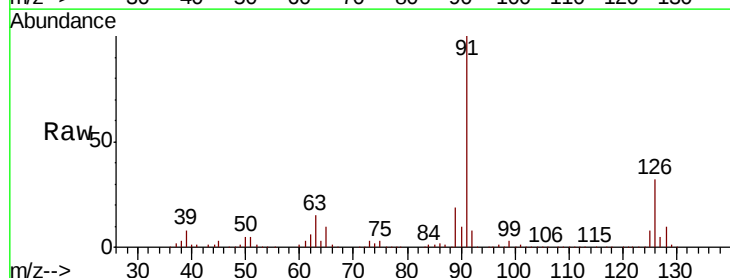
Acq: 04 May 2020 13:06

Tgt Ion:126 Resp: 602360

Ion Ratio Lower Upper

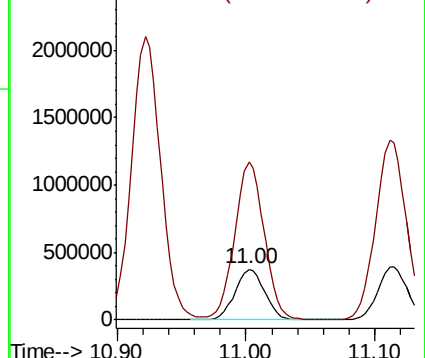
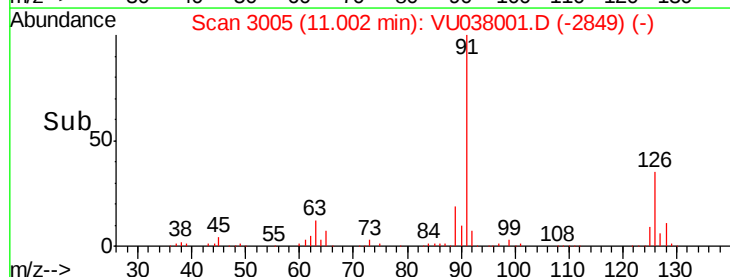
126 100

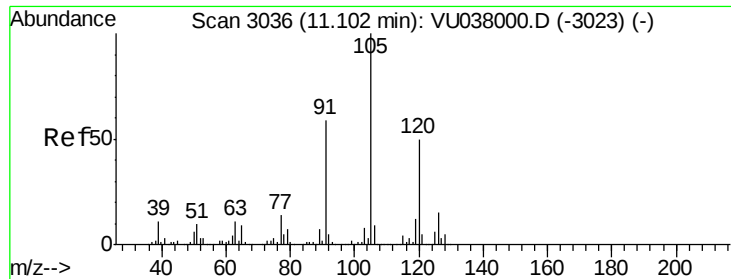
91 306.9 0.0 625.8



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 21.026 ug/l

RT: 11.10 min Scan# 3036

Delta R.T. 0.00 min

Lab File: VU038001.D

Acq: 04 May 2020 13:06

Instrument :

MSVOA_U

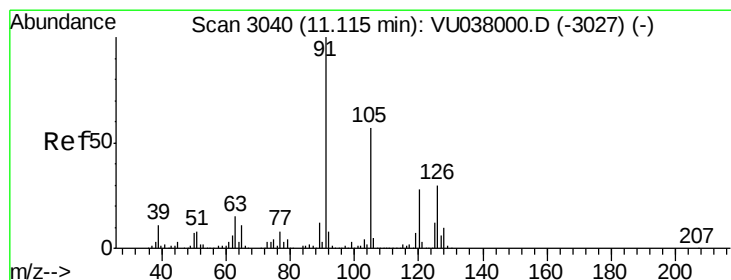
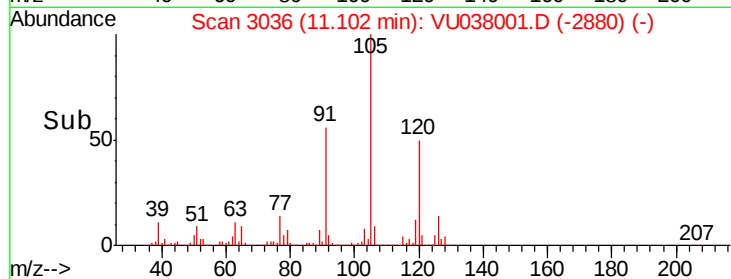
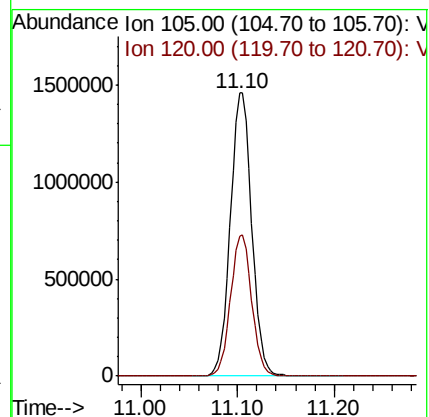
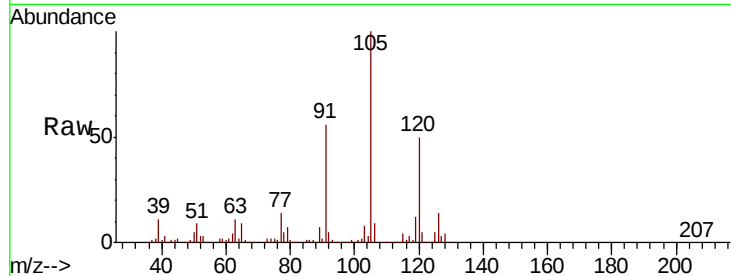
ClientSampleId :

Tot Ion:105 Resp: 2235059

Ion Ratio Lower Upper

105 100

120 49.5 39.8 59.6



#76

4-Chlorotoluene

Concen: 21.216 ug/l

RT: 11.11 min Scan# 3040

Delta R.T. 0.00 min

Lab File: VU038001.D

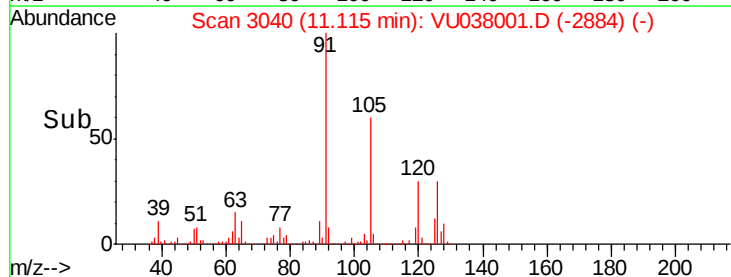
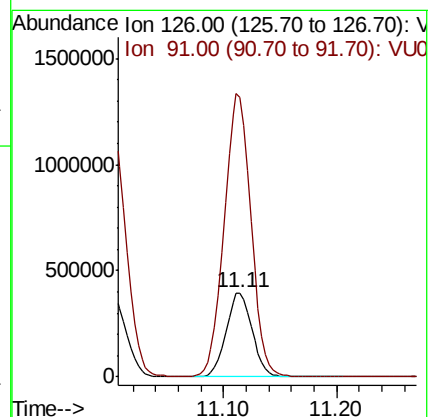
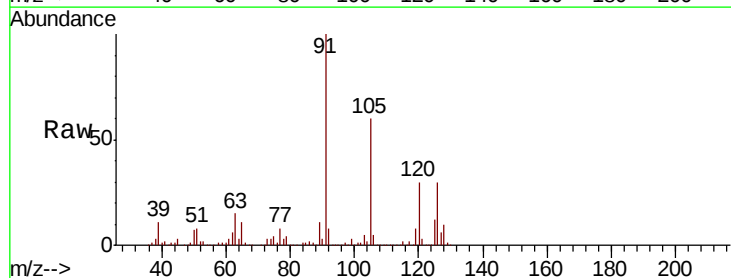
Acq: 04 May 2020 13:06

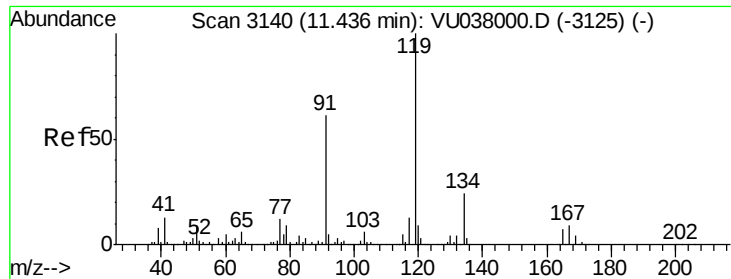
Tgt Ion:126 Resp: 633207

Ion Ratio Lower Upper

126 100

91 347.2 0.0 698.6

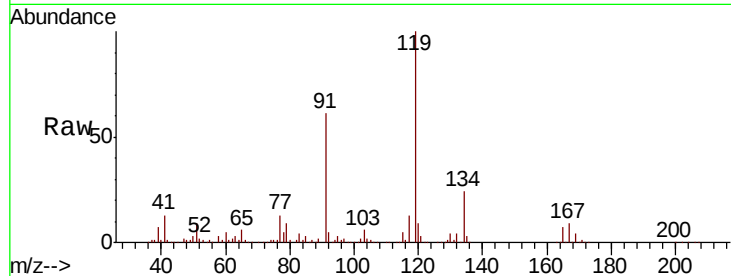




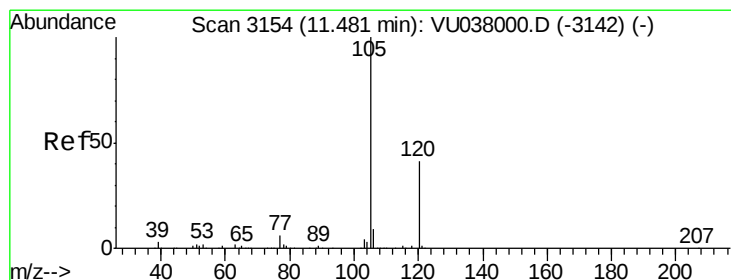
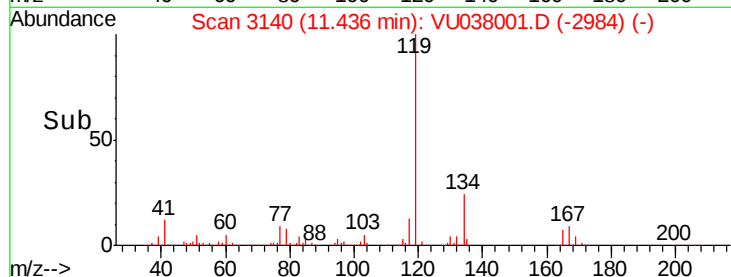
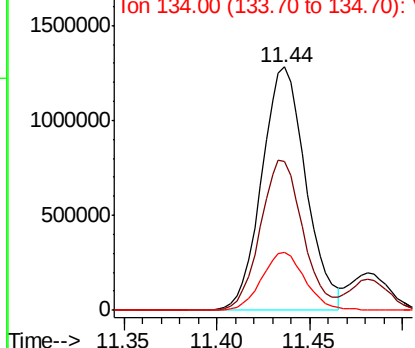
#77
 tert-Butylbenzene
 Concen: 20.466 ug/l
 RT: 11.44 min Scan# 3140
 Delta R.T. 0.00 min
 Lab File: VU038001.D
 Acq: 04 May 2020 13:06

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:119 Resp: 2122681
 Ion Ratio Lower Upper
 119 100
 91 59.8 30.1 90.5
 134 23.6 19.0 28.6

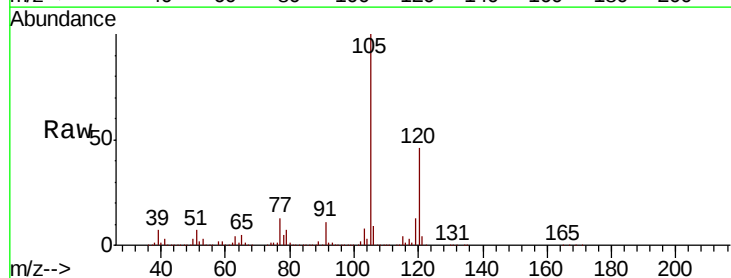


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VU0
 Ion 134.00 (133.70 to 134.70): V

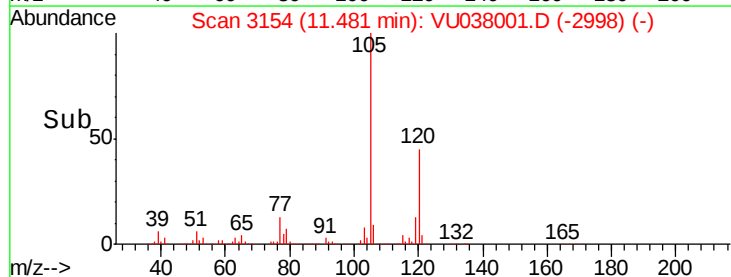
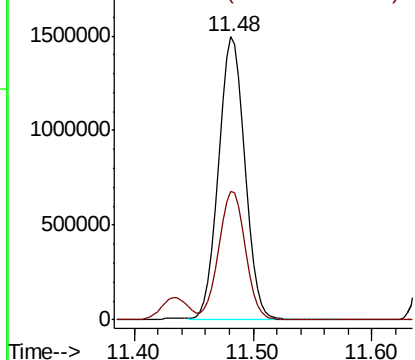


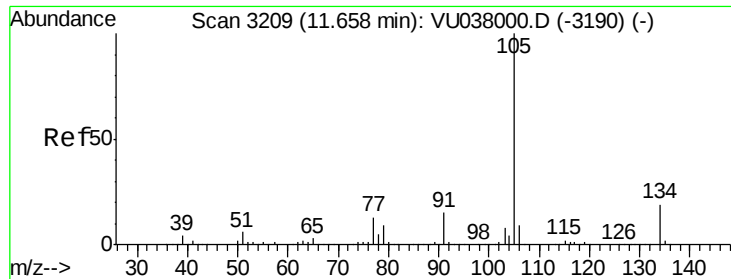
#78
 1,2,4-Trimethylbenzene
 Concen: 21.433 ug/l
 RT: 11.48 min Scan# 3154
 Delta R.T. 0.00 min
 Lab File: VU038001.D
 Acq: 04 May 2020 13:06

Tgt Ion:105 Resp: 2295229
 Ion Ratio Lower Upper
 105 100
 120 46.4 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#79

sec-Butylbenzene

Concen: 21.225 ug/l

RT: 11.66 min Scan# 3209

Delta R.T. 0.00 min

Lab File: VU038001.D

Acq: 04 May 2020 13:06

Instrument :

MSVOA_U

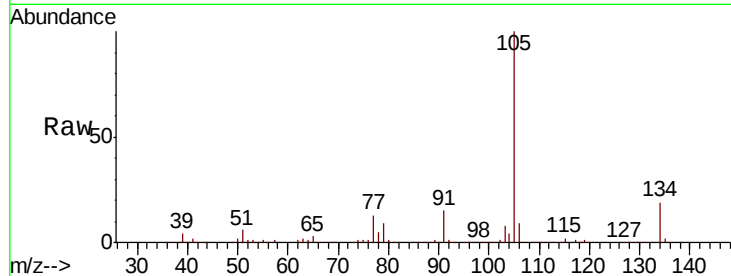
ClientSampled :

Tot Ion:105 Resp: 3017011

Ion Ratio Lower Upper

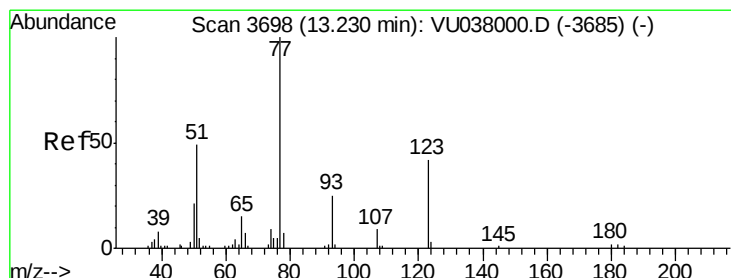
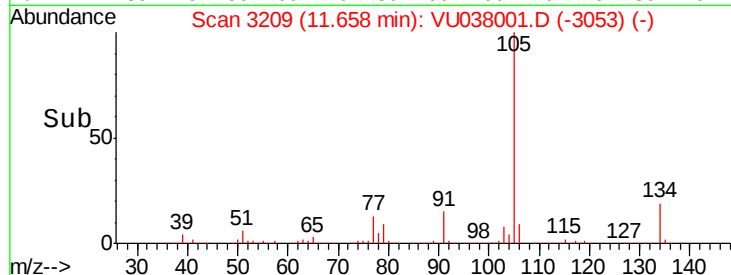
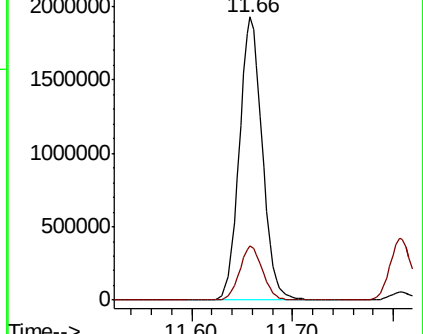
105 100

134 19.1 15.4 23.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#80

Nitrobenzene

Concen: 146.364 ug/l

RT: 13.23 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VU038001.D

Acq: 04 May 2020 13:06

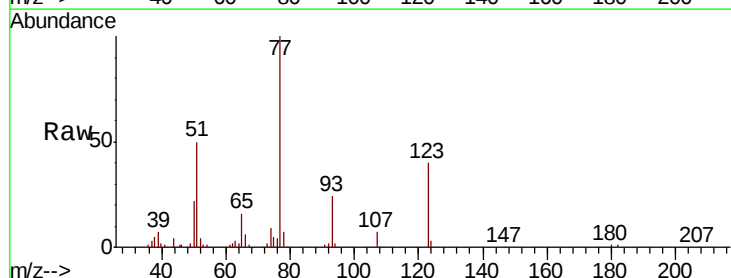
Tgt Ion: 77 Resp: 88261

Ion Ratio Lower Upper

77 100

123 41.1 17.6 62.6

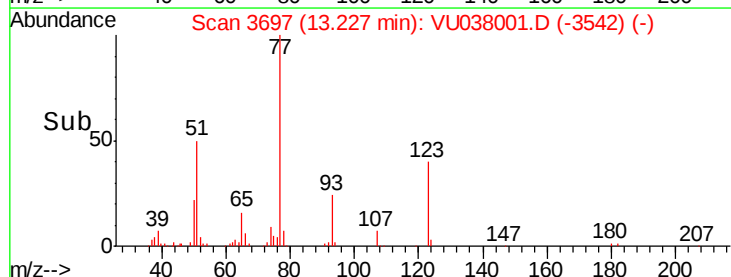
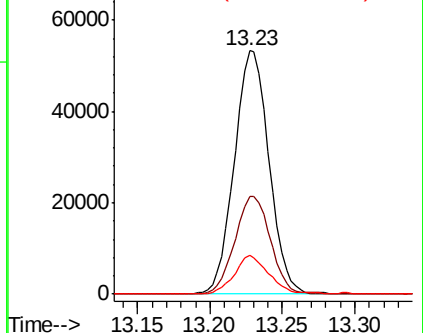
65 15.8 13.2 16.8

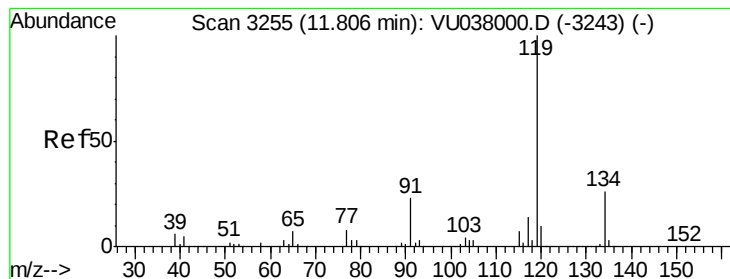


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0





#81

p-Isopropyltoluene

Concen: 22.142 ug/l

RT: 11.81 min Scan# 3255

Delta R.T. 0.00 min

Lab File: VU038001.D

Acq: 04 May 2020 13:06

Instrument :

MSVOA_U

ClientSampleId :

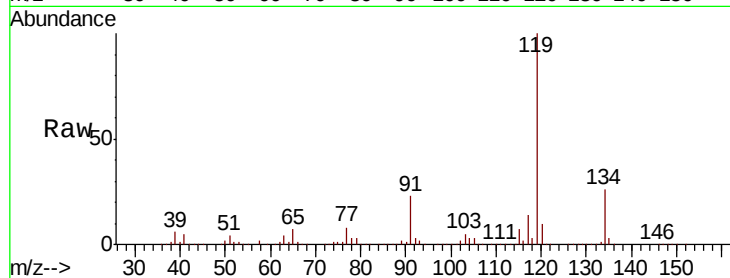
Tot Ion:119 Resp: 2476205

Ion Ratio Lower Upper

119 100

134 25.7 20.6 31.0

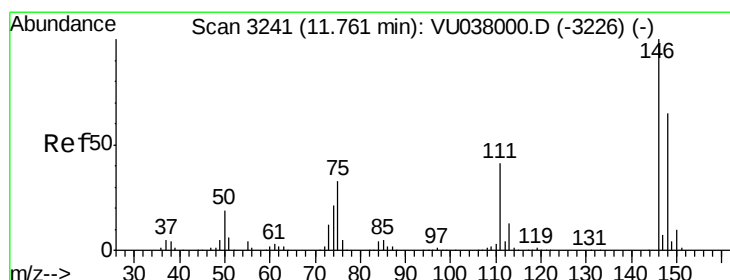
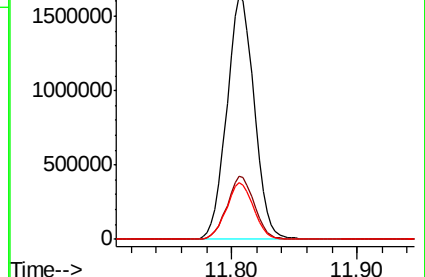
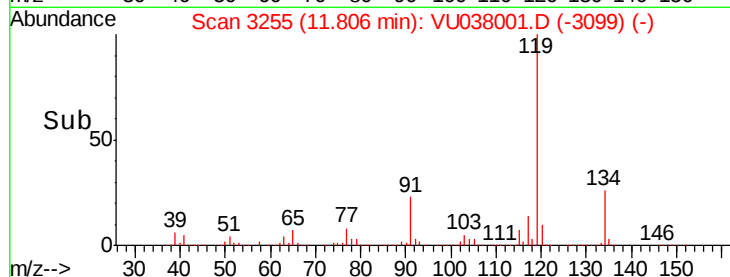
91 23.1 18.6 28.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0



#82

1,3-Dichlorobenzene

Concen: 20.168 ug/l

RT: 11.76 min Scan# 3241

Delta R.T. 0.00 min

Lab File: VU038001.D

Acq: 04 May 2020 13:06

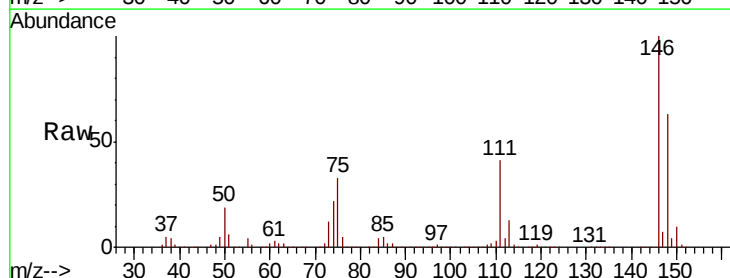
Tgt Ion:146 Resp: 1196014

Ion Ratio Lower Upper

146 100

111 41.0 33.0 49.4

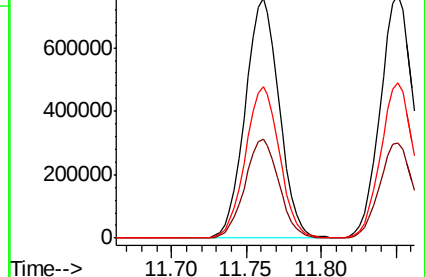
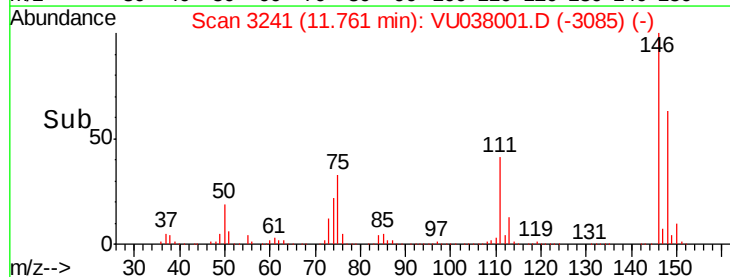
148 63.4 51.4 77.2

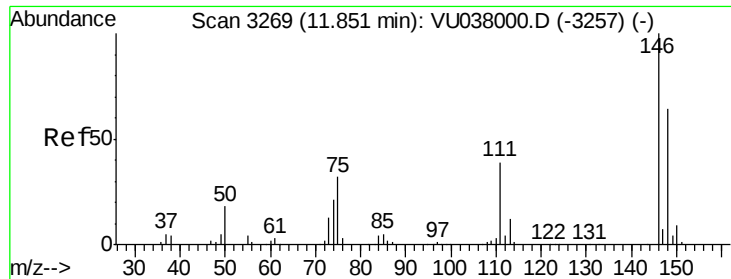


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

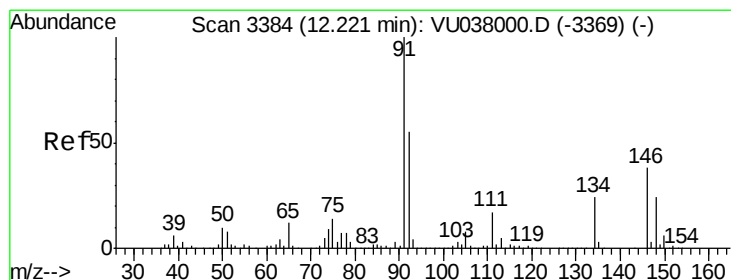
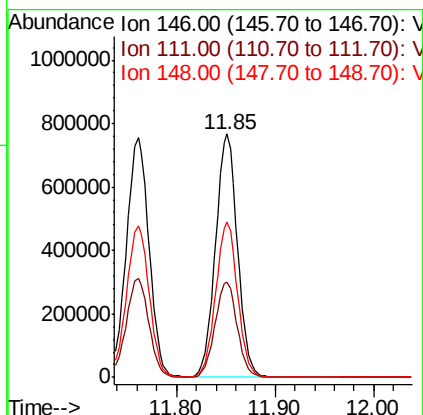
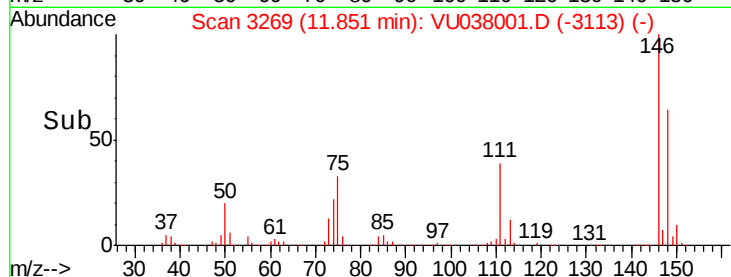
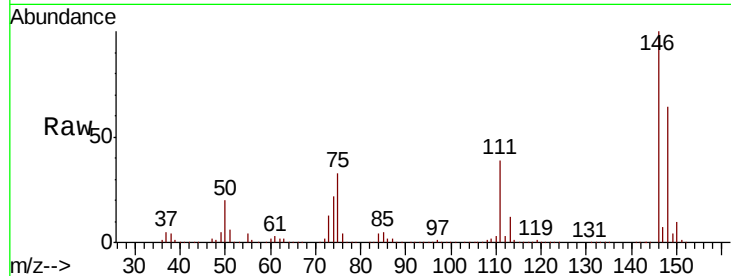




#83
1,4-Dichlorobenzene
Concen: 19.871 ug/l
RT: 11.85 min Scan# 3269
Delta R.T. 0.00 min
Lab File: VU038001.D
Acq: 04 May 2020 13:06

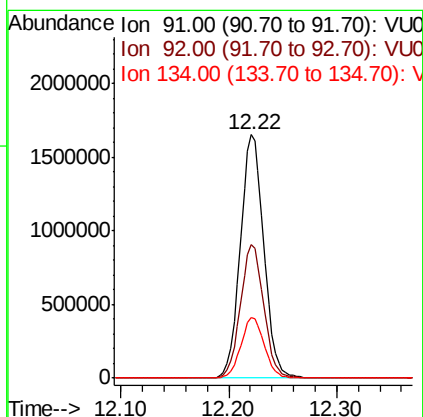
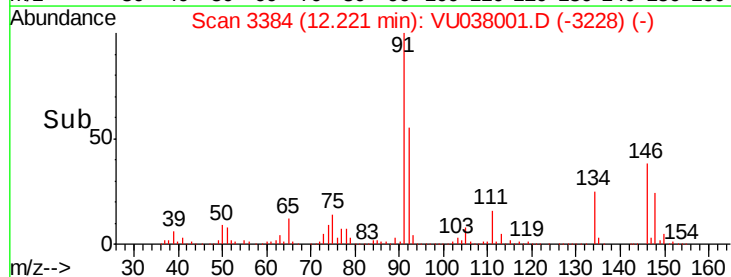
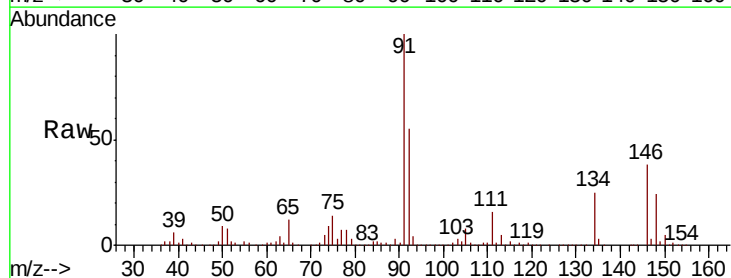
Instrument :
MSVOA_U
ClientSampled :

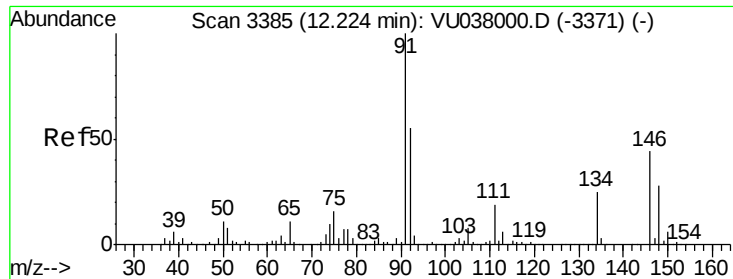
Tot Ion:146 Resp: 1193231
Ion Ratio Lower Upper
146 100
111 39.7 31.8 47.6
148 63.6 51.2 76.8



#84
n-Butylbenzene
Concen: 23.393 ug/l
RT: 12.22 min Scan# 3384
Delta R.T. 0.00 min
Lab File: VU038001.D
Acq: 04 May 2020 13:06

Tgt Ion: 91 Resp: 2503147
Ion Ratio Lower Upper
91 100
92 54.8 43.8 65.6
134 24.8 19.4 29.2

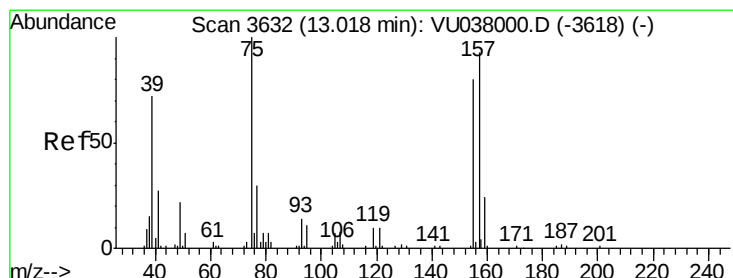
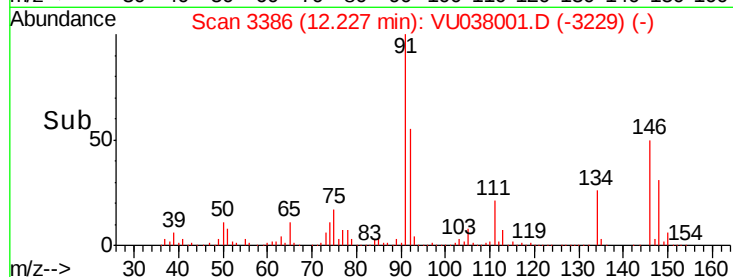
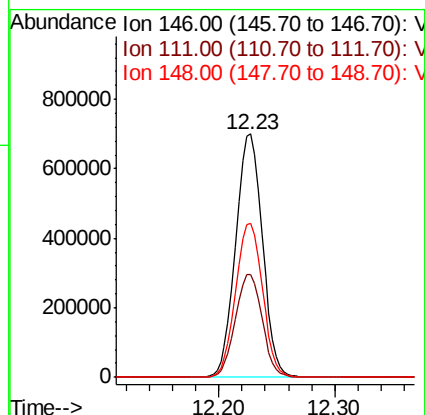
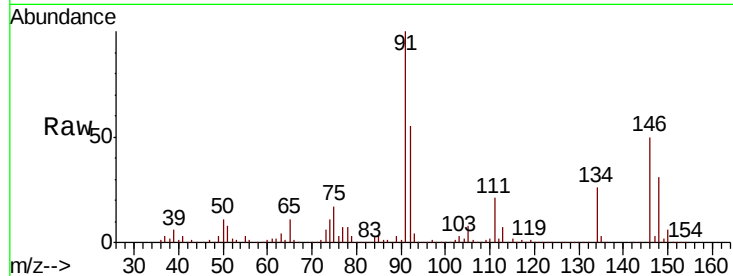




#85
 1,2-Dichlorobenzene
 Concen: 19.487 ug/l
 RT: 12.23 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU038001.D
 Acq: 04 May 2020 13:06

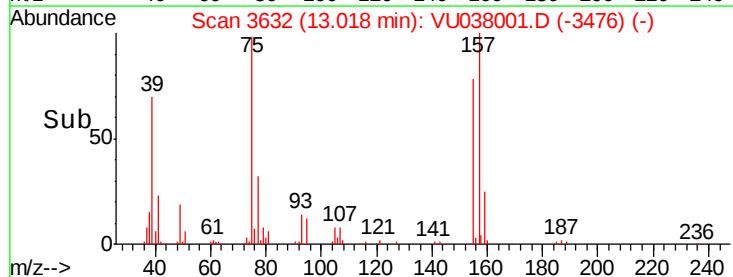
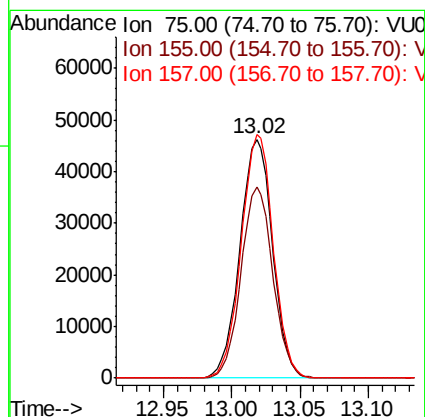
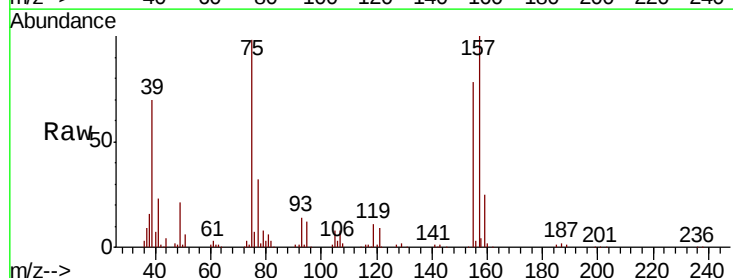
Instrument :
 MSVOA_U
 ClientSampleID :

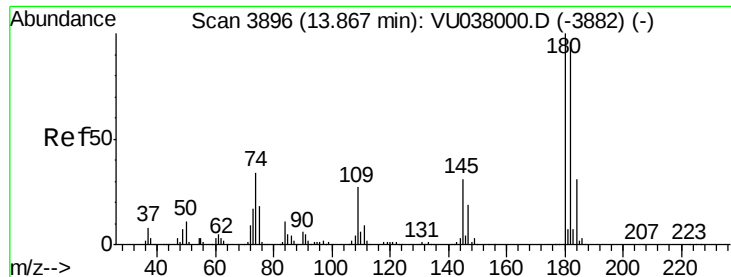
Tot Ion:146 Resp: 1115457
 Ion Ratio Lower Upper
 146 100
 111 42.3 21.9 65.8
 148 63.7 31.8 95.4



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 16.985 ug/l
 RT: 13.02 min Scan# 3632
 Delta R.T. 0.00 min
 Lab File: VU038001.D
 Acq: 04 May 2020 13:06

Tgt Ion: 75 Resp: 76791
 Ion Ratio Lower Upper
 75 100
 155 78.1 60.9 91.3
 157 99.7 78.1 117.1

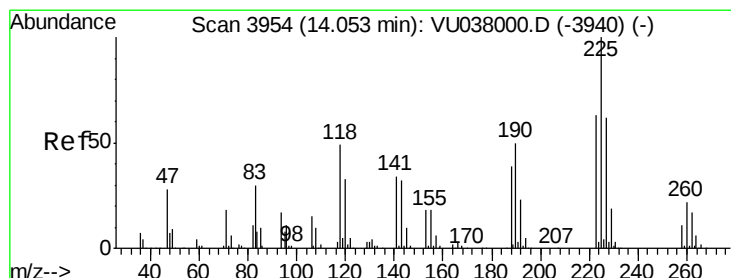
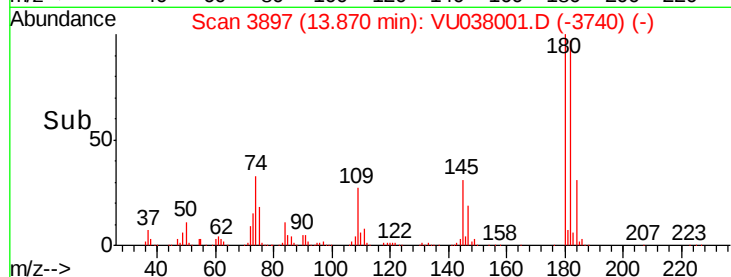
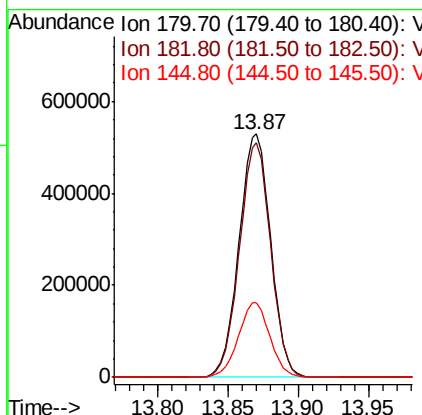
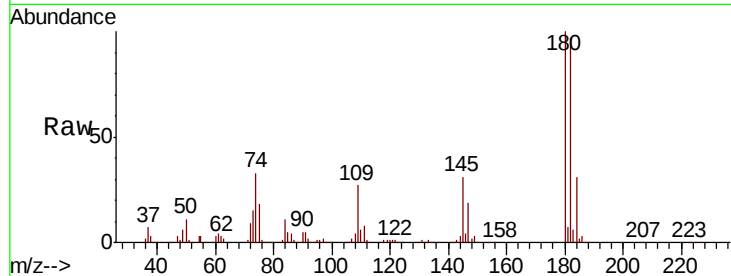




#87
 1,2,4-Trichlorobenzene
 Concen: 27.614 ug/l
 RT: 13.87 min Scan# 3897
 Delta R.T. 0.00 min
 Lab File: VU038001.D
 Acq: 04 May 2020 13:06

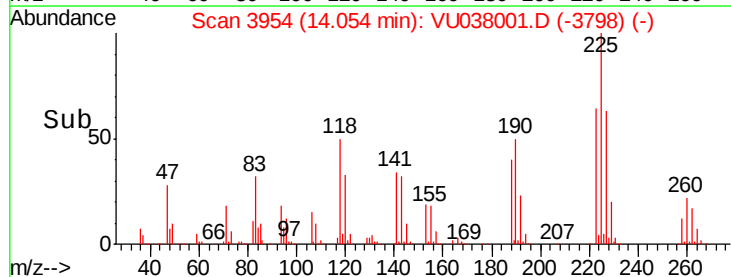
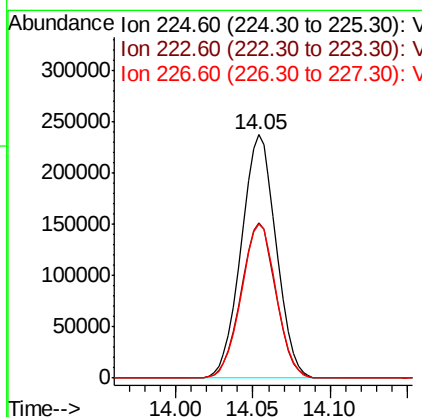
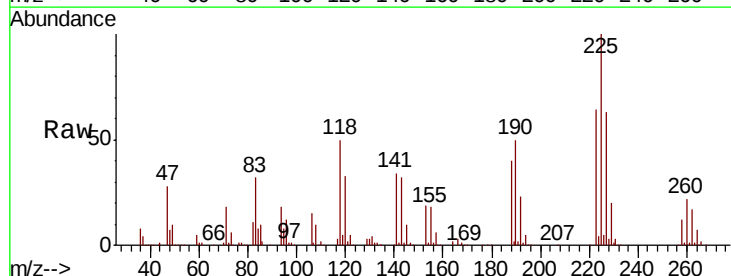
Instrument :
 MSVOA_U
 ClientSampleId :

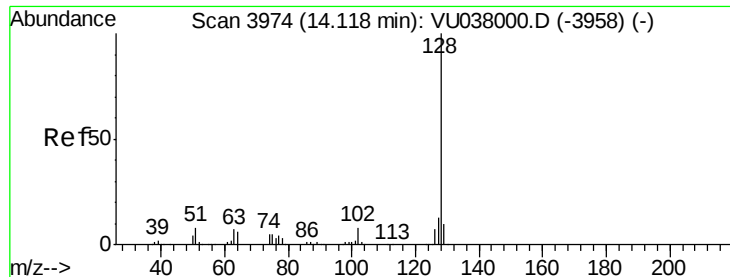
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.9	115.3
145	30.5	24.7	37.1



#88
 Hexachlorobutadiene
 Concen: 20.750 ug/l
 RT: 14.05 min Scan# 3954
 Delta R.T. 0.00 min
 Lab File: VU038001.D
 Acq: 04 May 2020 13:06

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	51.3	76.9
227	63.3	49.2	73.8





#89

Naphthalene

Concen: 31.261 ug/l

RT: 14.12 min Scan# 3974

Delta R.T. 0.00 min

Lab File: VU038001.D

Acq: 04 May 2020 13:06

Instrument :

MSVOA_U

ClientSampled :

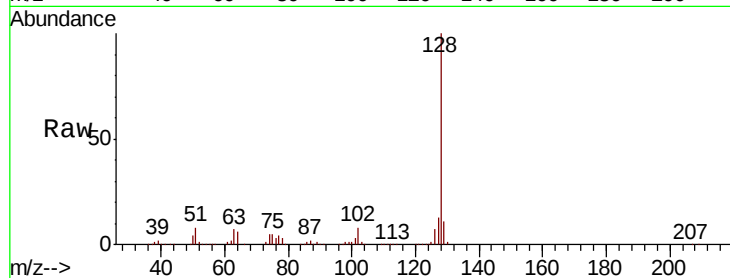
Tot Ion:128 Resp: 1632305

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

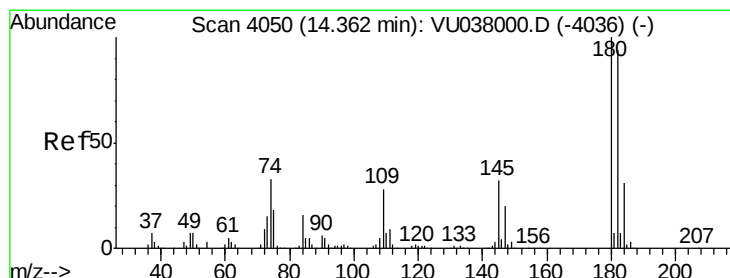
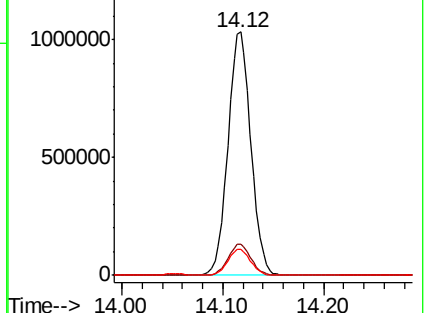
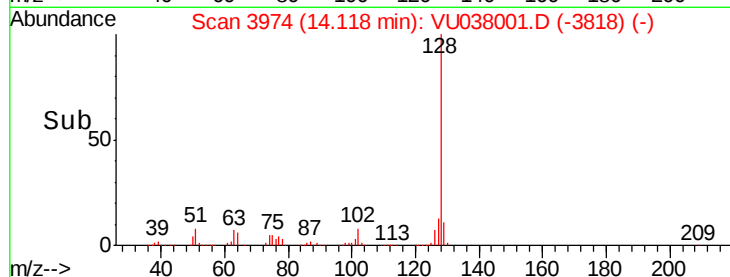
129 10.8 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#90

1,2,3-Trichlorobenzene

Concen: 25.721 ug/l

RT: 14.36 min Scan# 4050

Delta R.T. 0.00 min

Lab File: VU038001.D

Acq: 04 May 2020 13:06

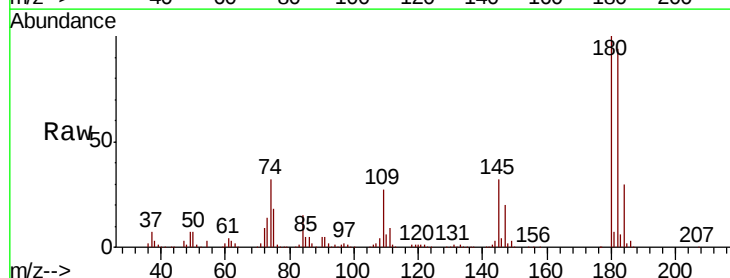
Tgt Ion:180 Resp: 746087

Ion Ratio Lower Upper

180 100

182 94.7 75.9 113.9

145 32.2 26.0 39.0



Abundance Ion 179.70 (179.40 to 180.40): V

Ion 181.70 (181.40 to 182.40): V

Ion 144.80 (144.50 to 145.50): V

