

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U050420\
 Data File : VU038005.D
 Acq On : 04 May 2020 17:16
 Operator : JC/MD
 Sample : VU0504WBS01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 05 02:23:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U050420DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue May 05 02:20:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.14	96	88761	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.65	95	32809	0.95	ug/l	0.00
Spiked Amount 1.000			Recovery	=	95.00%	
68) 1,2-Dichlorobenzene-d4	12.21	152	32282	0.97	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.39	85	56368	1.871	ug/l	99
3) Chloromethane	1.54	50	63063	1.768	ug/l	97
4) Vinyl Chloride	1.62	62	66743	1.878	ug/l	99
5) Bromomethane	1.87	94	34614	1.624	ug/l	96
6) Chloroethane	1.95	64	38901	1.833	ug/l	97
7) Trichlorofluoromethane	2.16	101	70157	1.894	ug/l	96
8) 1,1,2-Trichloro-1,2,2-trif	2.60	101	42534	1.842	ug/l	98
9) 1,1-Dichloroethene	2.60	96	44374	1.914	ug/l	96
10) Iodomethane	2.75	142	20663	1.851	ug/l	99
11) Allyl Chloride	2.95	41	78939	1.835	ug/l	97
12) Acrylonitrile	3.35	53	23496	3.707	ug/l	96
13) Acetone	2.66	43	41214	8.130	ug/l	100
14) Carbon Disulfide	2.82	76	152767	1.805	ug/l	100
15) Methylene Chloride	3.07	84	58619	1.887	ug/l	96
16) trans-1,2-Dichloroethene	3.38	96	48768	1.922	ug/l	99
17) 1,1-Dichloroethane	3.91	63	90814	1.887	ug/l	98
18) 2-Butanone	4.76	43	64719	8.515	ug/l	99
19) Cyclohexane	5.42	56	78106	1.674	ug/l	92
20) Methylcyclohexane	6.79	83	82734	1.809	ug/l	99
21) 2,2-Dichloropropane	4.70	77	67877	1.688	ug/l	100
22) cis-1,2-Dichloroethene	4.70	96	50659	1.889	ug/l	98
23) Diethyl Ether	2.40	59	38154	1.877	ug/l	98
24) tert-Butyl Alcohol	3.23	59	40607	17.997	ug/l	97
25) Methyl tert-Butyl Ether	3.40	73	119339	1.879	ug/l	99
26) Bromochloromethane	5.01	128	19592	1.815	ug/l	95
27) Chloroform	5.12	83	84181	1.866	ug/l	93
28) 1,1,1-Trichloroethane	5.35	97	68224	1.835	ug/l	98
29) 1,1-Dichloropropene	5.56	75	68930	1.842	ug/l	98
30) Carbon Tetrachloride	5.56	117	57861	1.860	ug/l	96
31) Isopropyl Ether	4.04	45	143957	1.818	ug/l	98
32) Ethyl-t-butyl ether	4.55	59	127121	1.778	ug/l	99
33) Tert-Amyl methyl ether	5.98	73	108617	1.763	ug/l	99
34) Propionitrile	4.83	54	19806	9.101	ug/l #	98
35) Benzene	5.81	78	195007	1.862	ug/l	100
36) 1,2-Dichloroethane	5.83	62	57325	1.850	ug/l	99
37) Trichloroethene	6.57	130	51424	1.870	ug/l	98
38) 1,2-Dichloropropane	6.82	63	51751	1.836	ug/l	99
39) Methacrylonitrile	5.02	41	18211	1.787	ug/l	96
40) Methyl acrylate	4.89	55	27167	1.809	ug/l #	96
41) Tetrahydrofuran	5.11	42	18753	3.688	ug/l	97
42) 1-Chlorobutane	5.49	56	99655	1.848	ug/l	100

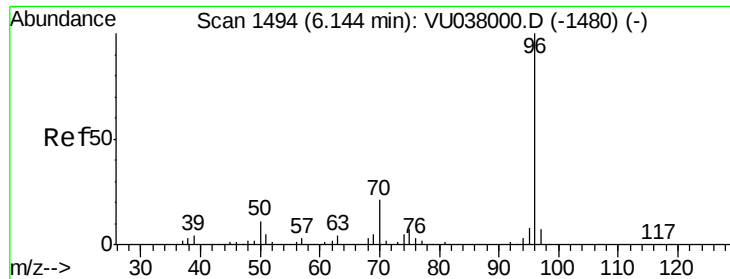
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U050420\
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Quant Time: May 05 02:23:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U050420DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue May 05 02:20:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.95	93	23394	1.782	ug/l	98
44) Bromodichloromethane	7.13	83	62109	1.884	ug/l	99
45) 4-Methyl-2-Pentanone	7.82	43	158133	8.838	ug/l	99
46) t-1,4-Dichloro-2-butene	10.84	75	52591	9.506	ug/l #	37
47) Methyl methacrylate	6.99	69	48471	3.631	ug/l	98
48) Ethyl methacrylate	8.36	69	42747	1.730	ug/l	98
49) Toluene	7.99	92	122662	1.853	ug/l	98
50) t-1,3-Dichloropropene	8.24	75	57782	1.715	ug/l	98
51) cis-1,3-Dichloropropene	7.64	75	70009	1.731	ug/l	97
52) 1,1,2-Trichloroethane	8.43	97	34260	1.843	ug/l	96
53) 1,3-Dichloropropane	8.60	76	66198	1.897	ug/l	99
54) 2-Hexanone	8.71	43	106252	8.414	ug/l	100
55) Dibromochloromethane	8.83	129	36726	1.783	ug/l	99
56) 1,2-Dibromoethane	8.95	107	31748	1.811	ug/l	96
58) Tetrachloroethene	8.57	164	49251	1.919	ug/l	98
59) Chlorobenzene	9.47	112	130916	1.862	ug/l	96
60) 1,1,1,2-Tetrachloroethane	9.56	131	38259	1.793	ug/l	98
61) Pentachloroethane	11.44	117	27871	1.743	ug/l	96
62) Hexachloroethane	12.49	117	26473	1.591	ug/l	99
63) Ethyl Benzene	9.59	91	225868	1.806	ug/l	98
64) m/p-Xylenes	9.71	106	178399	3.706	ug/l	99
65) o-Xylene	10.12	106	86934	1.853	ug/l	100
66) Styrene	10.13	104	141740	1.833	ug/l	99
67) Bromoform	10.31	173	17975	1.659	ug/l	99
69) Isopropylbenzene	10.50	105	227959	1.860	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.80	83	41046	1.723	ug/l	96
71) 1,2,3-Trichloropropane	10.84	75	52591	2.985	ug/l #	51
72) Bromobenzene	10.80	156	51057	1.865	ug/l	99
73) n-propylbenzene	10.92	120	63368	1.885	ug/l	97
74) 2-Chlorotoluene	11.00	126	52959	1.876	ug/l	97
75) 1,3,5-Trimethylbenzene	11.10	105	185983	1.834	ug/l	100
76) 4-Chlorotoluene	11.11	126	53962	1.841	ug/l	98
77) tert-Butylbenzene	11.44	119	176269	1.826	ug/l	100
78) 1,2,4-Trimethylbenzene	11.48	105	190600	1.825	ug/l	97
79) sec-Butylbenzene	11.66	105	253075	1.830	ug/l	99
80) Nitrobenzene	13.23	77	4619	6.540	ug/l	97
81) p-Isopropyltoluene	11.81	119	200315	1.795	ug/l	99
82) 1,3-Dichlorobenzene	11.76	146	105530	1.862	ug/l	98
83) 1,4-Dichlorobenzene	11.85	146	105595	1.841	ug/l	99
84) n-Butylbenzene	12.22	91	198229	1.779	ug/l	99
85) 1,2-Dichlorobenzene	12.23	146	96897	1.837	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	13.02	75	6568	1.751	ug/l	95
87) 1,2,4-Trichlorobenzene	13.87	180	67263	1.744	ug/l	99
88) Hexachlorobutadiene	14.05	225	30846	1.789	ug/l	99
89) Naphthalene	14.12	128	126881	1.711	ug/l	99
90) 1,2,3-Trichlorobenzene	14.36	180	61159	1.780	ug/l	100

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.14 min Scan# 1494

Delta R.T. 0.00 min

Lab File: VU038005.D

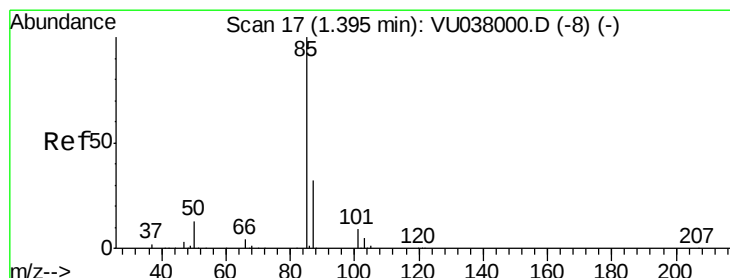
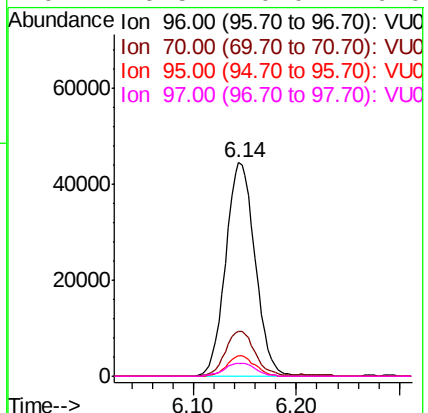
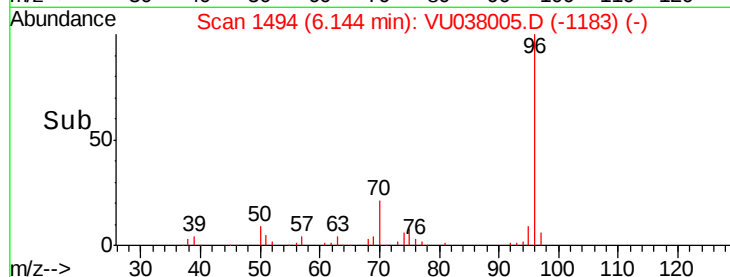
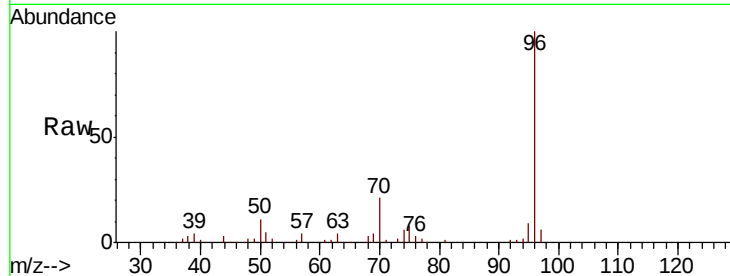
Acq: 04 May 2020 17:16

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 96 Resp: 88761

Ion Ratio Lower Upper

96	100		
70	20.5	14.4	21.6
95	9.1	7.1	10.7
97	6.5	0.0	0.0#



#2

Dichlorodifluoromethane

Concen: 1.871 ug/l

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

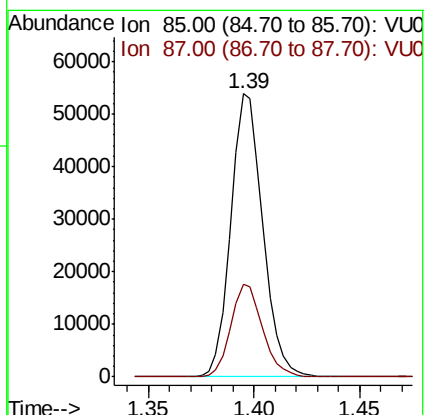
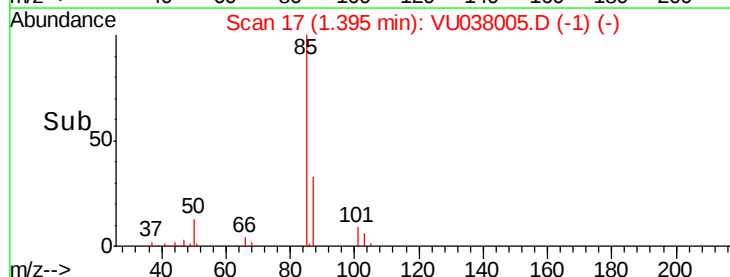
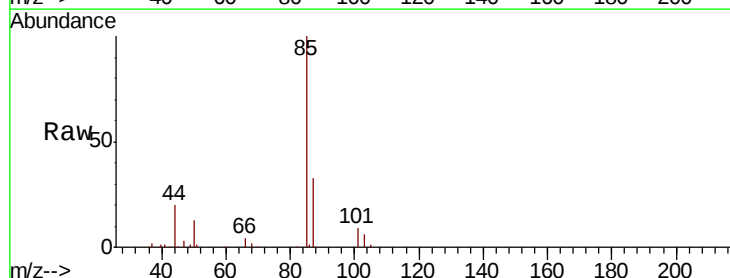
Lab File: VU038005.D

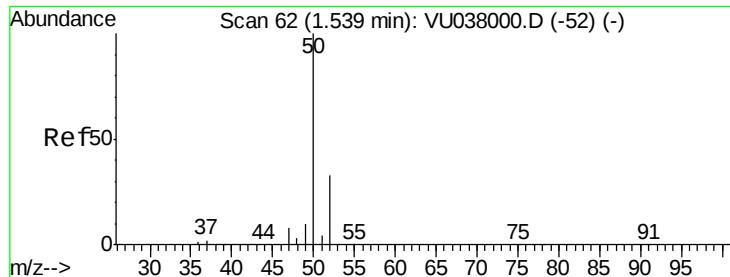
Acq: 04 May 2020 17:16

Tgt Ion: 85 Resp: 56368

Ion Ratio Lower Upper

85	100		
87	32.8	16.2	48.5





#3

Chloromethane

Concen: 1.768 ug/l

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU038005.D

Acq: 04 May 2020 17:16

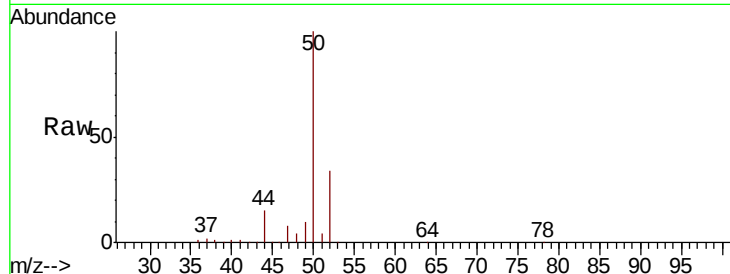
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 50 Resp: 63063

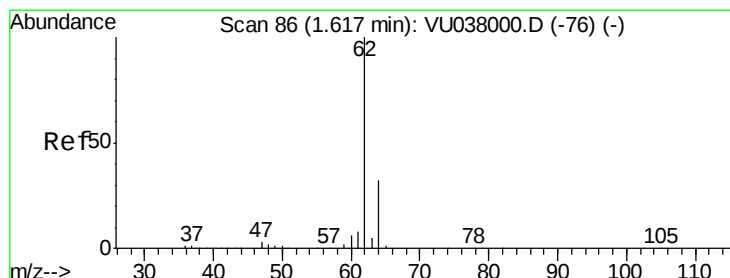
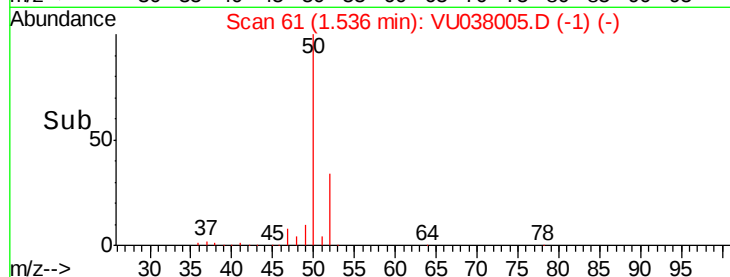
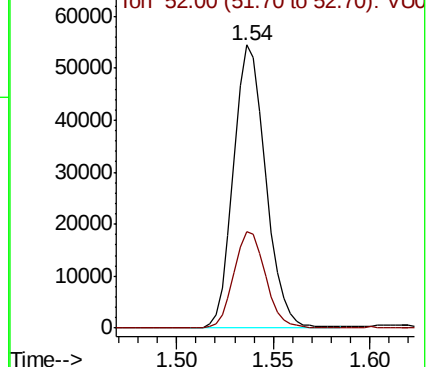
Ion Ratio Lower Upper

50 100

52 34.1 26.1 39.1



Abundance Ion 50.00 (49.70 to 50.70): VU038005.D (-1) (-)



#4

Vinyl Chloride

Concen: 1.878 ug/l

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU038005.D

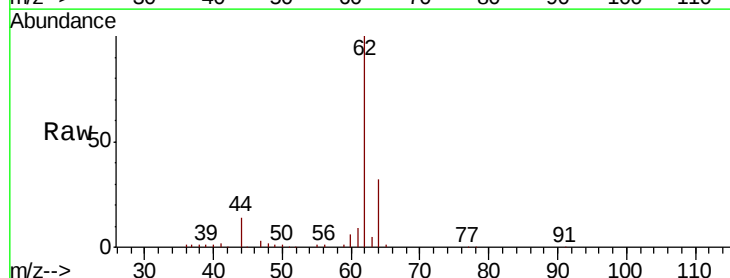
Acq: 04 May 2020 17:16

Tgt Ion: 62 Resp: 66743

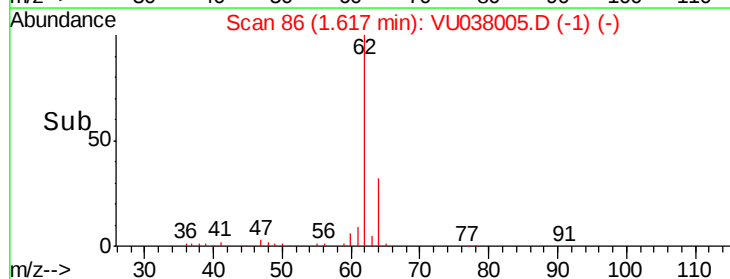
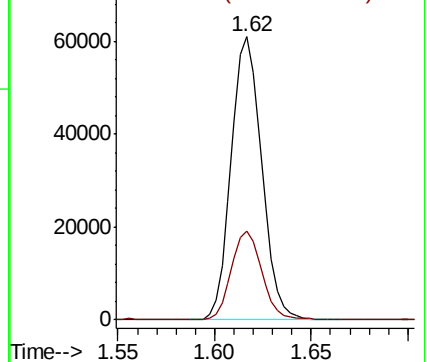
Ion Ratio Lower Upper

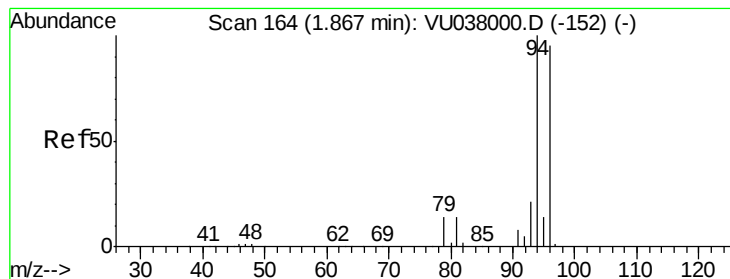
62 100

64 31.5 25.7 38.5



Abundance Ion 62.00 (61.70 to 62.70): VU038005.D (-1) (-)





#5

Bromomethane

Concen: 1.624 ug/l

RT: 1.87 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU038005.D

Acq: 04 May 2020 17:16

Instrument :

MSVOA_U

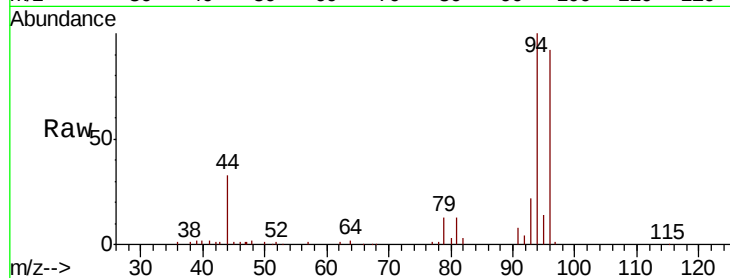
ClientSampleId :

Tot Ion: 94 Resp: 34614

Ion Ratio Lower Upper

94 100

96 91.5 76.1 114.1

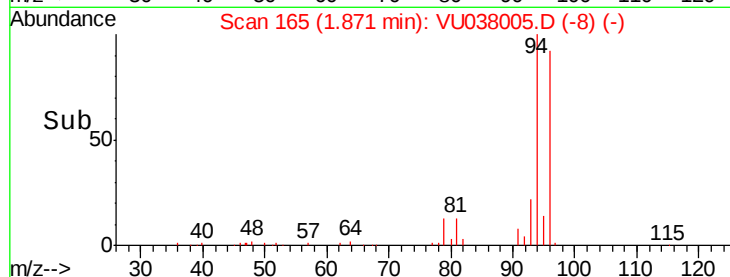


Abundance Ion 94.00 (93.70 to 94.70): VU038000.D (-152) (-)

Ion 96.00 (95.70 to 96.70): VU038000.D (-152) (-)

1.87

Time-->



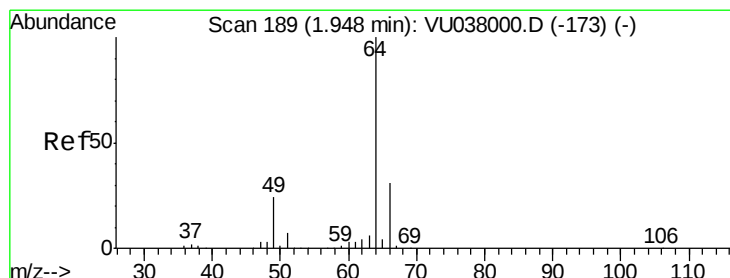
Abundance

Ion 94.00 (93.70 to 94.70): VU038005.D (-8) (-)

Ion 96.00 (95.70 to 96.70): VU038005.D (-8) (-)

1.87

Time-->



#6

Chloroethane

Concen: 1.833 ug/l

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU038005.D

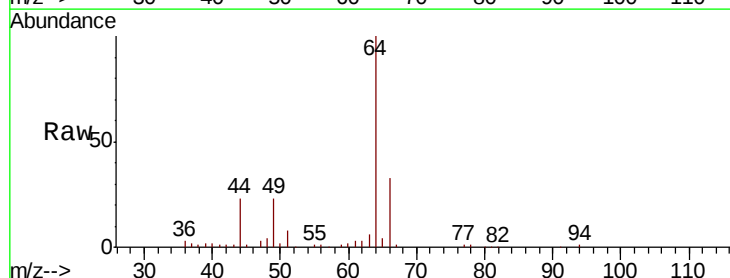
Acq: 04 May 2020 17:16

Tgt Ion: 64 Resp: 38901

Ion Ratio Lower Upper

64 100

66 32.6 24.8 37.2

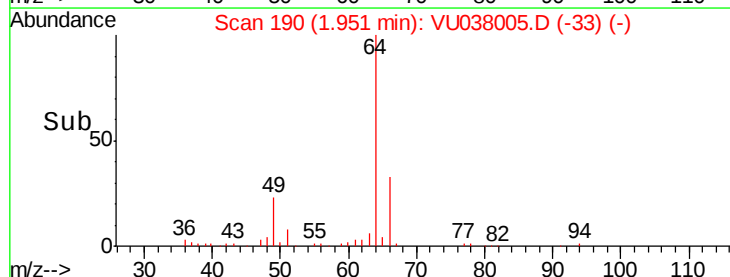


Abundance Ion 64.00 (63.70 to 64.70): VU038000.D (-173) (-)

Ion 66.00 (65.70 to 66.70): VU038000.D (-173) (-)

1.95

Time-->



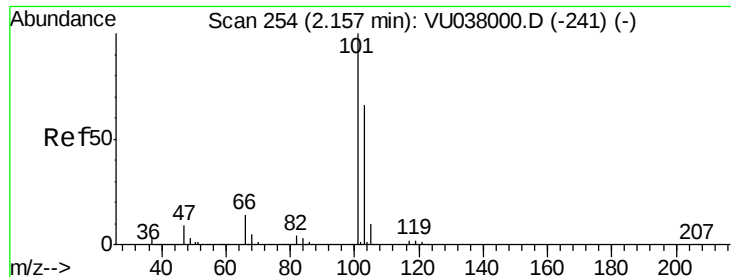
Abundance

Ion 64.00 (63.70 to 64.70): VU038005.D (-33) (-)

Ion 66.00 (65.70 to 66.70): VU038005.D (-33) (-)

1.95

Time-->



#7

Trichlorofluoromethane

Concen: 1.894 ug/l

RT: 2.16 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU038005.D

Acq: 04 May 2020 17:16

Instrument :

MSVOA_U

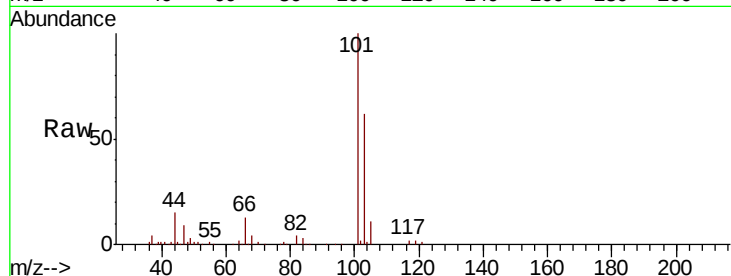
ClientSampled :

Tot Ion:101 Resp: 70157

Ion Ratio Lower Upper

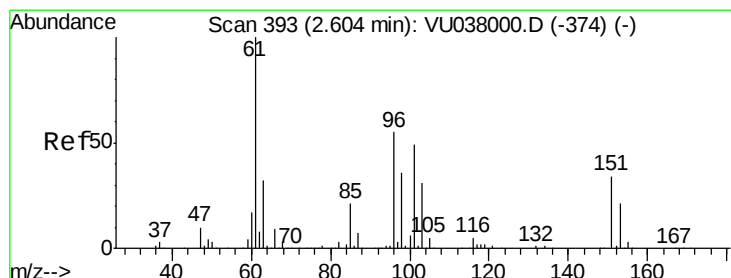
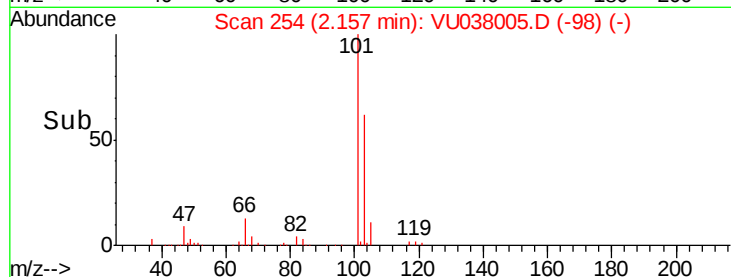
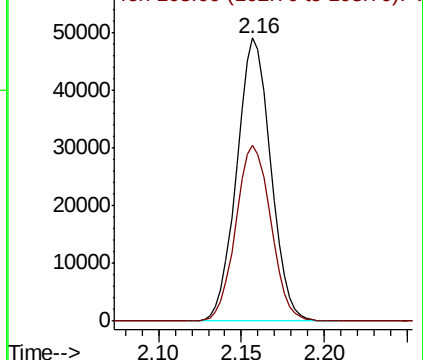
101 100

103 62.3 52.6 78.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

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

Concen: 1.842 ug/l

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU038005.D

Acq: 04 May 2020 17:16

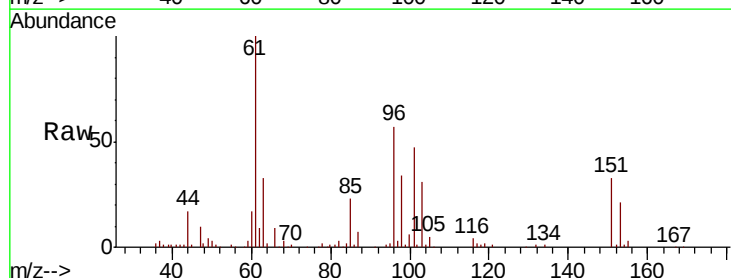
Tgt Ion:101 Resp: 42534

Ion Ratio Lower Upper

101 100

85 46.5 35.5 53.3

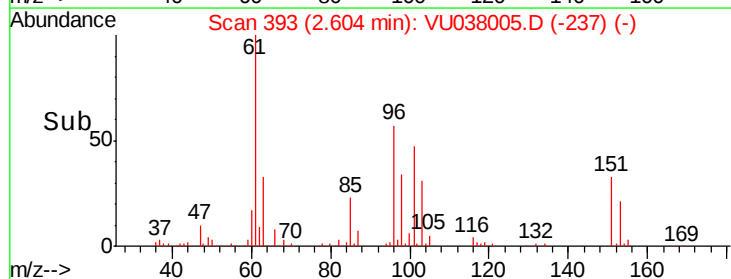
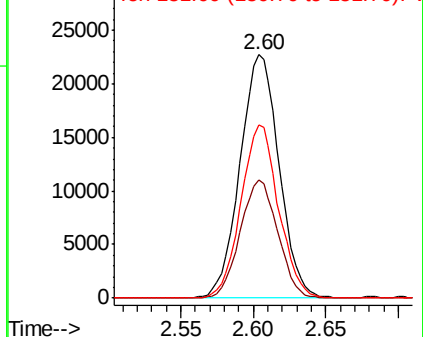
151 68.4 55.2 82.8

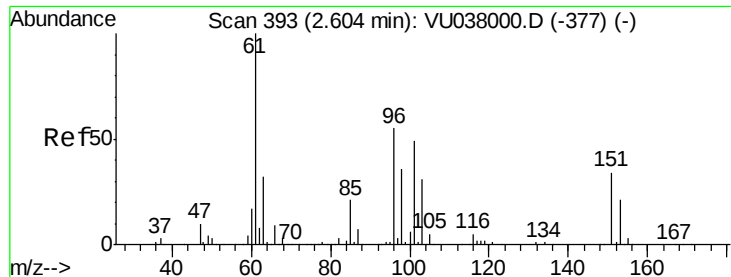


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#9

1,1-Dichloroethene

Concen: 1.914 ug/l

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU038005.D

Acq: 04 May 2020 17:16

Instrument :
MSVOA_U
ClientSampled :

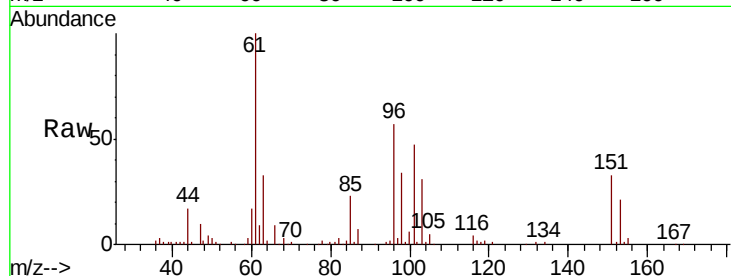
Tot Ion: 96 Resp: 44374

Ion Ratio Lower Upper

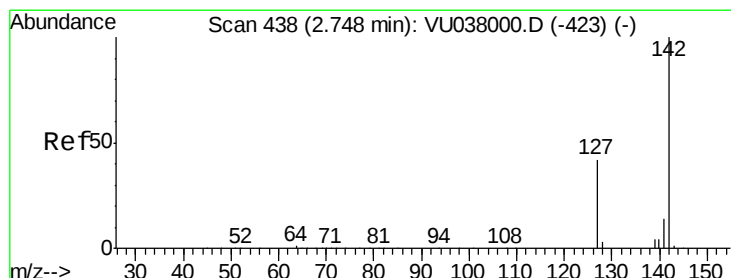
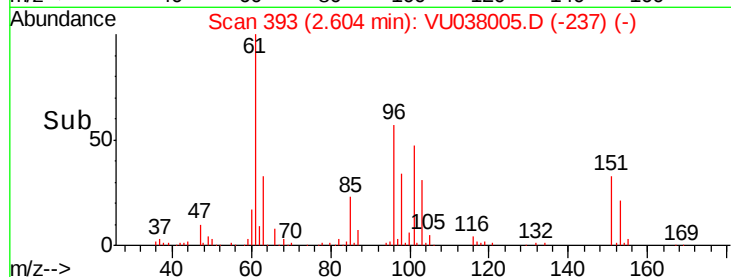
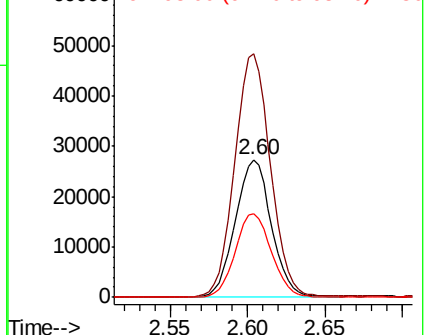
96 100

61 176.7 0.0 543.0

98 60.5 0.0 129.4



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



#10

Iodomethane

Concen: 1.851 ug/l

RT: 2.75 min Scan# 437

Delta R.T. -0.00 min

Lab File: VU038005.D

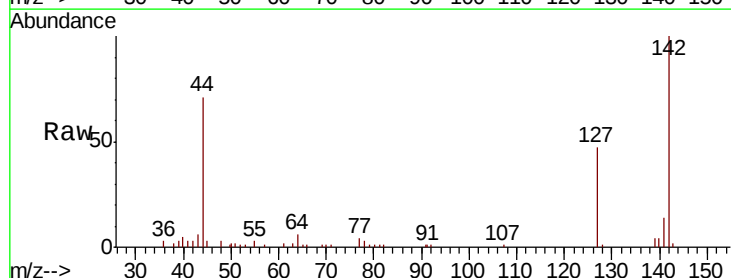
Acq: 04 May 2020 17:16

Tgt Ion:142 Resp: 20663

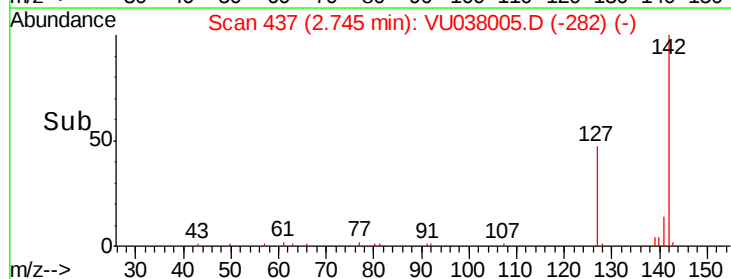
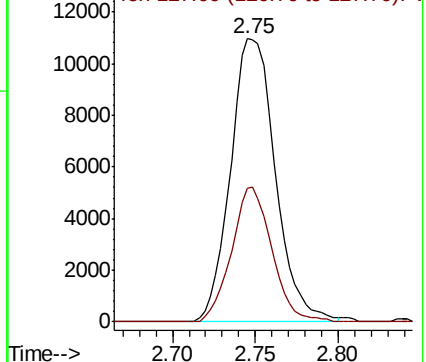
Ion Ratio Lower Upper

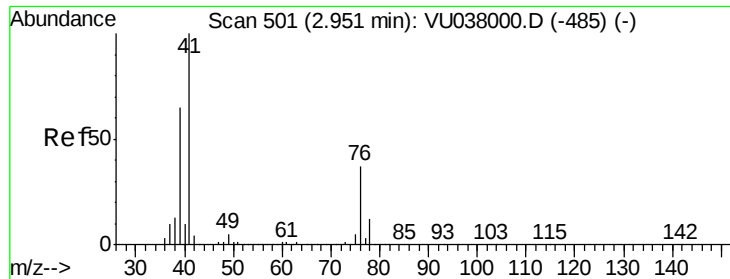
142 100

127 42.8 33.5 50.3



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V

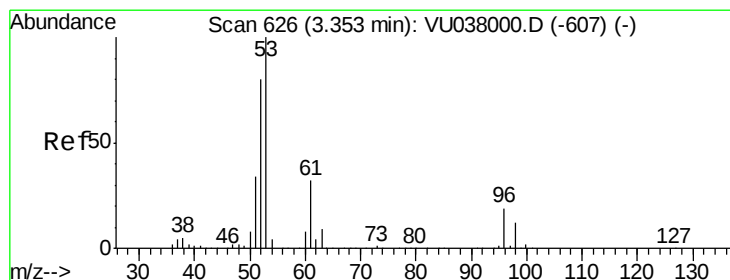
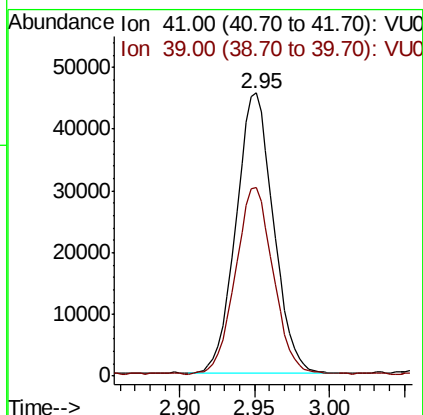
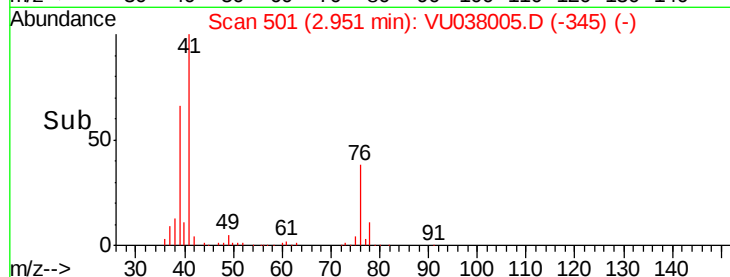
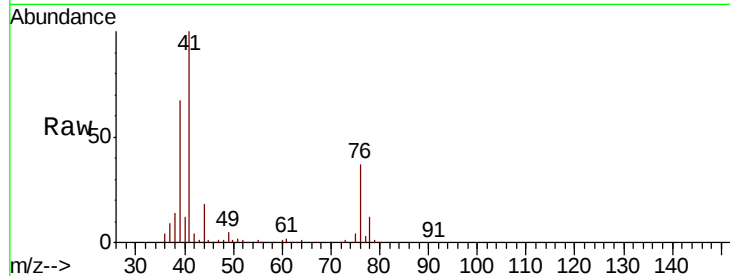




#11
Allvl Chloride
Concen: 1.835 ug/l
RT: 2.95 min Scan# 501
Delta R.T. 0.00 min
Lab File: VU038005.D
Acq: 04 May 2020 17:16

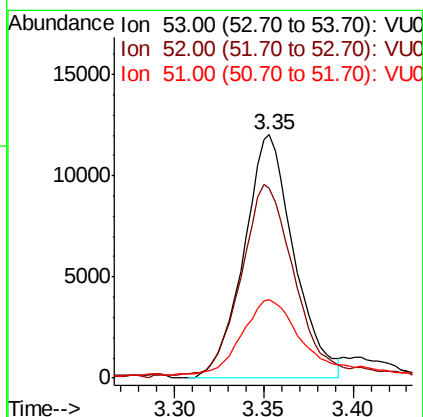
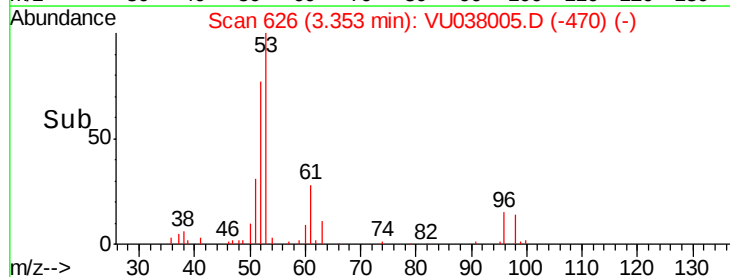
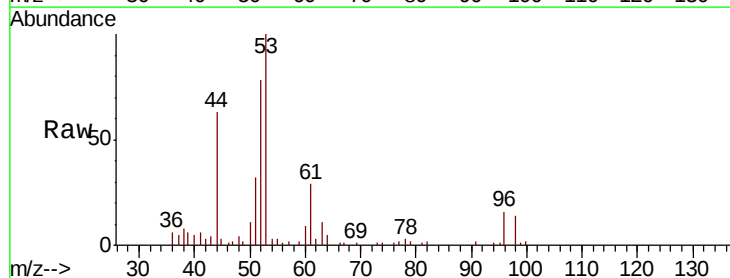
Instrument :
MSVOA_U
ClientSampled :

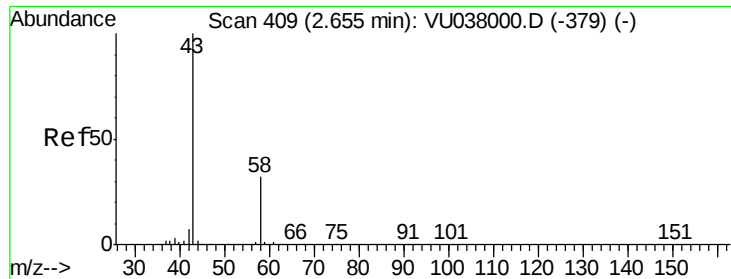
Tot Ion: 41 Resp: 78939
Ion Ratio Lower Upper
41 100
39 67.2 51.7 77.5



#12
Acrylonitrile
Concen: 3.707 ug/l
RT: 3.35 min Scan# 626
Delta R.T. 0.00 min
Lab File: VU038005.D
Acq: 04 May 2020 17:16

Tgt Ion: 53 Resp: 23496
Ion Ratio Lower Upper
53 100
52 84.1 63.3 94.9
51 36.9 30.2 45.2





#13

Acetone

Concen: 8.130 ug/l

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU038005.D

Acq: 04 May 2020 17:16

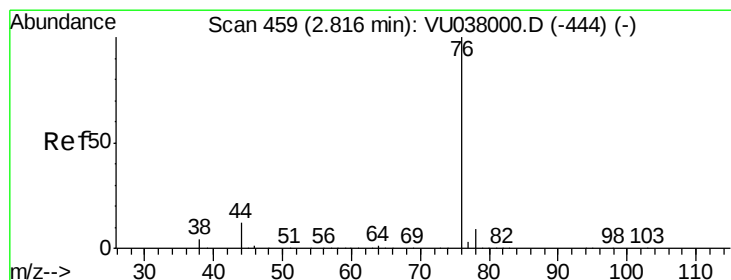
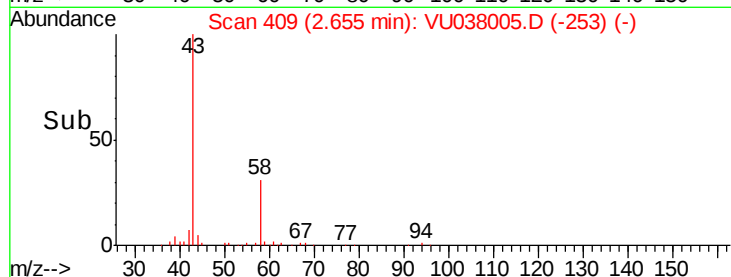
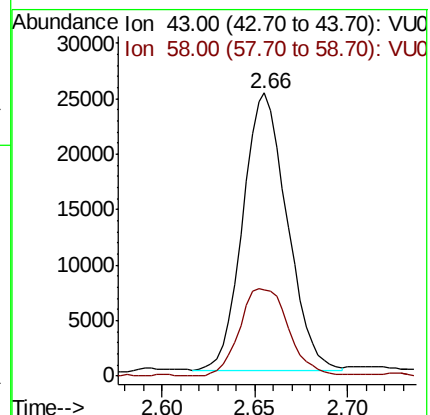
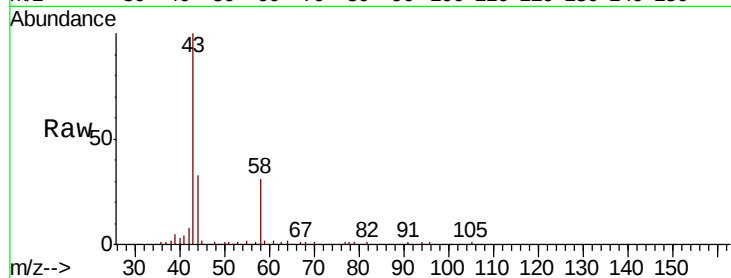
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 41214

Ion Ratio Lower Upper

43 100

58 31.2 25.2 37.8



#14

Carbon Disulfide

Concen: 1.805 ug/l

RT: 2.82 min Scan# 459

Delta R.T. 0.00 min

Lab File: VU038005.D

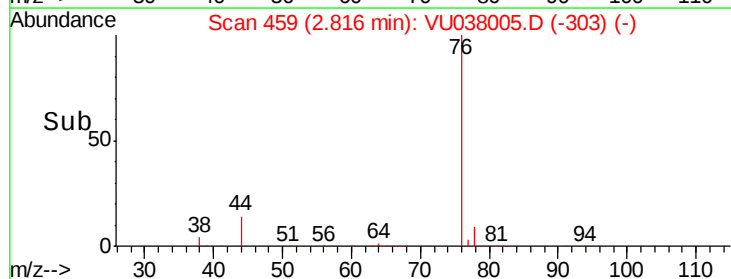
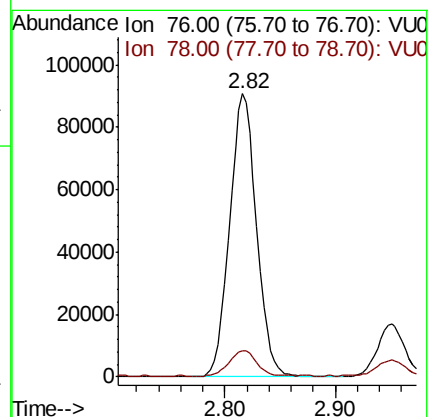
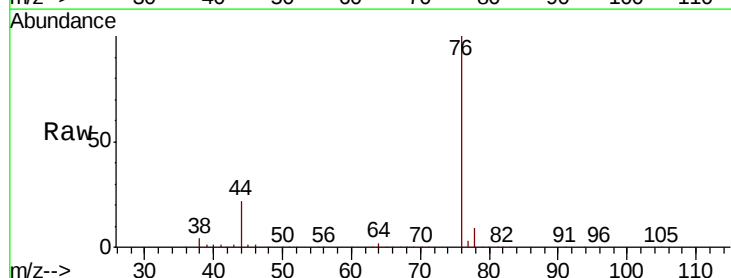
Acq: 04 May 2020 17:16

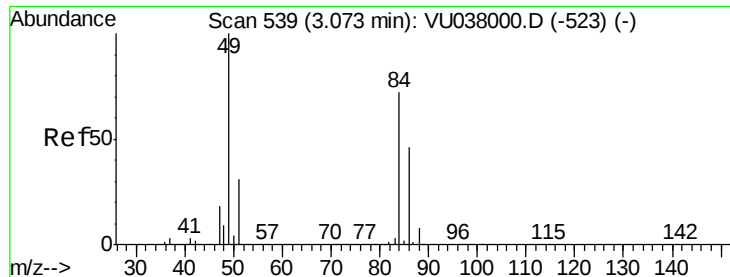
Tgt Ion: 76 Resp: 152767

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.6

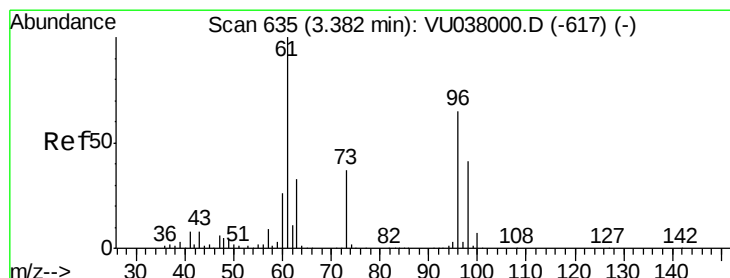
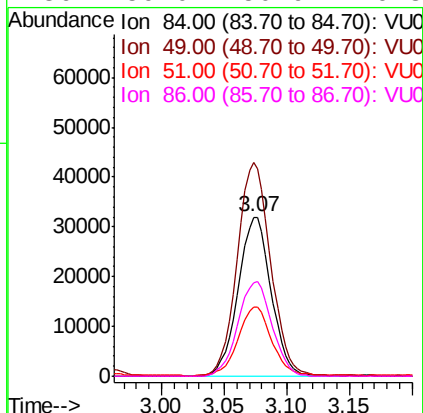
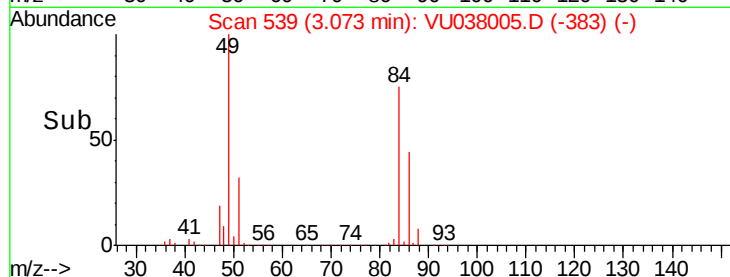
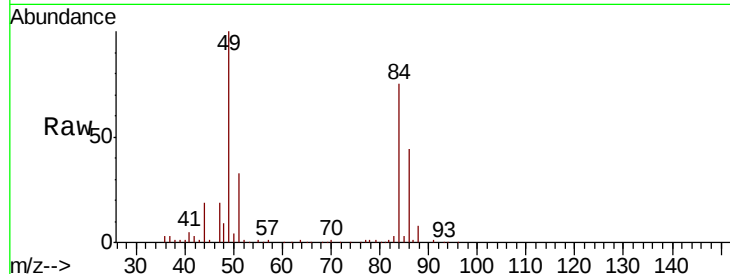




#15
Methvlene Chloride
Concen: 1.887 ug/l
RT: 3.07 min Scan# 539
Delta R.T. 0.00 min
Lab File: VU038005.D
Acq: 04 May 2020 17:16

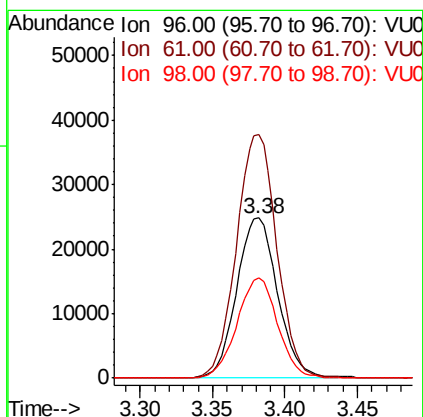
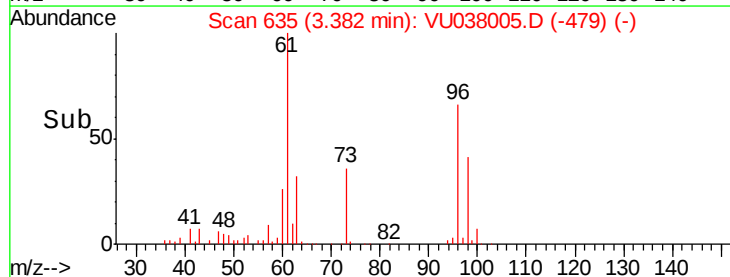
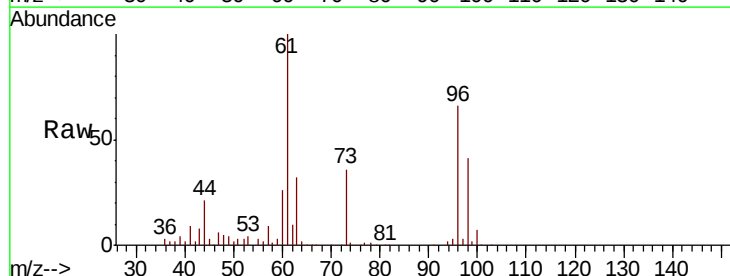
Instrument :
MSVOA_U
ClientSampleId :

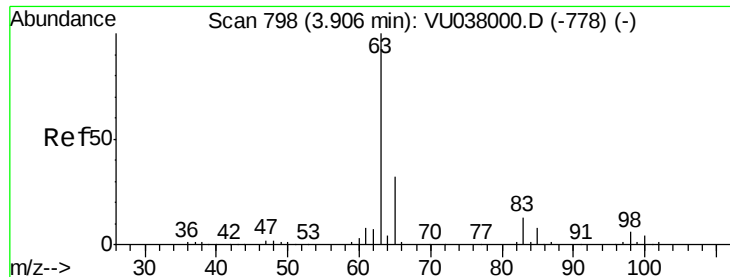
Tot Ion: 84 Resp: 58619
Ion Ratio Lower Upper
84 100
49 134.2 110.6 166.0
51 43.4 0.0 85.4
86 59.0 50.9 76.3



#16
trans-1,2-Dichloroethene
Concen: 1.922 ug/l
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU038005.D
Acq: 04 May 2020 17:16

Tgt Ion: 96 Resp: 48768
Ion Ratio Lower Upper
96 100
61 151.9 122.4 183.6
98 62.2 50.1 75.1

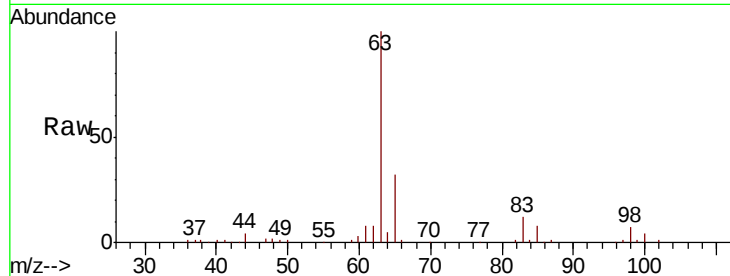




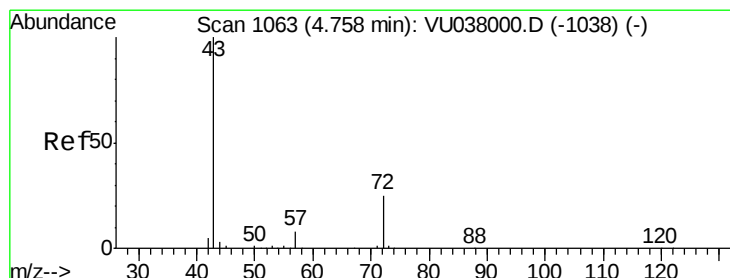
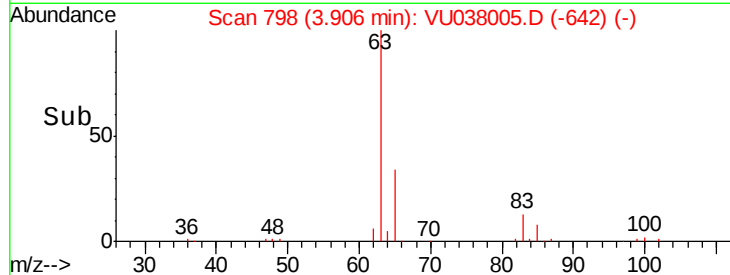
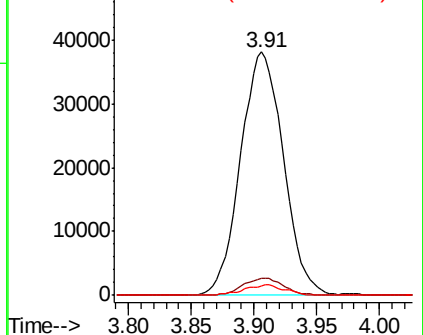
#17
 1,1-Dichloroethane
 Concen: 1.887 ug/l
 RT: 3.91 min Scan# 798
 Delta R.T. 0.00 min
 Lab File: VU038005.D
 Acq: 04 May 2020 17:16

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 63 Resp: 90814
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.1 9.4
 100 3.9 2.2 6.6

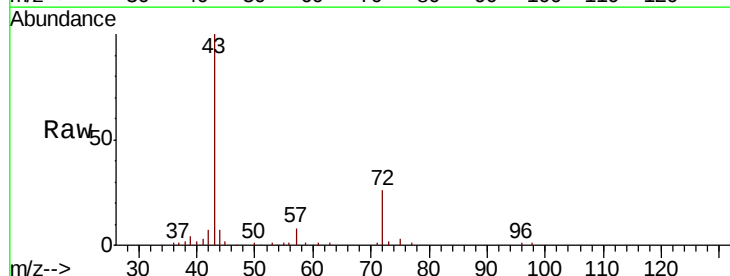


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0
 Ion 100.00 (99.70 to 100.70): VU0

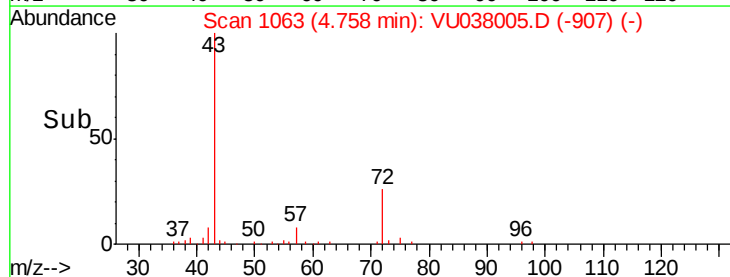
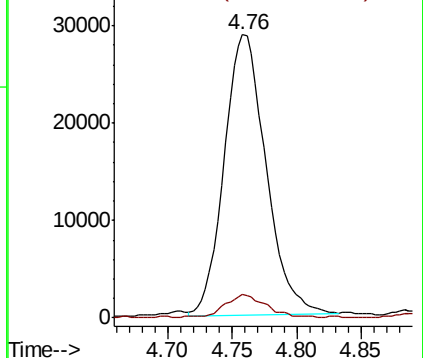


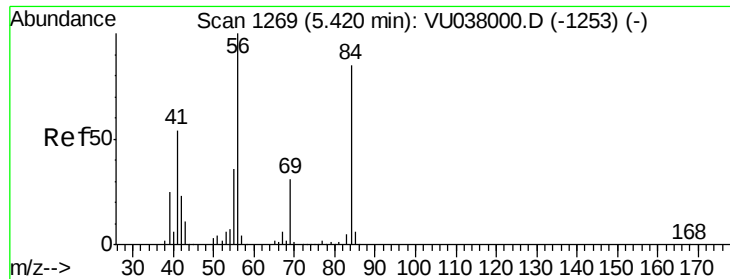
#18
 2-Butanone
 Concen: 8.515 ug/l
 RT: 4.76 min Scan# 1063
 Delta R.T. 0.00 min
 Lab File: VU038005.D
 Acq: 04 May 2020 17:16

Tgt Ion: 43 Resp: 64719
 Ion Ratio Lower Upper
 43 100
 57 7.9 0.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 57.00 (56.70 to 57.70): VU0

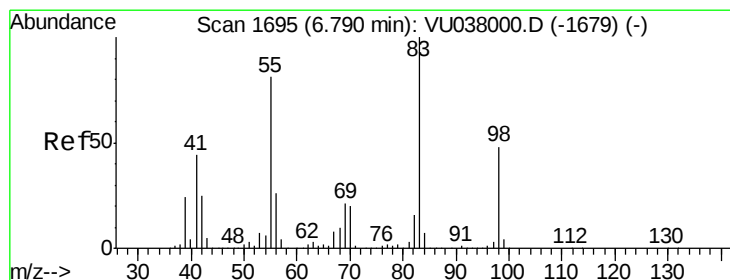
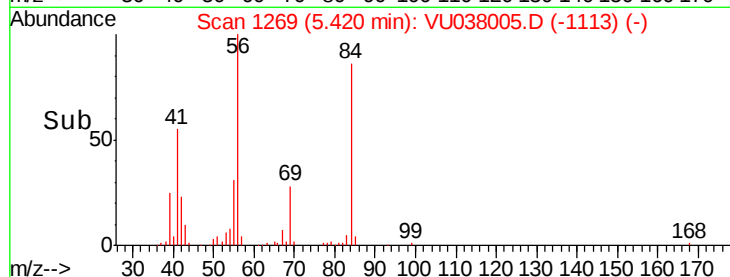
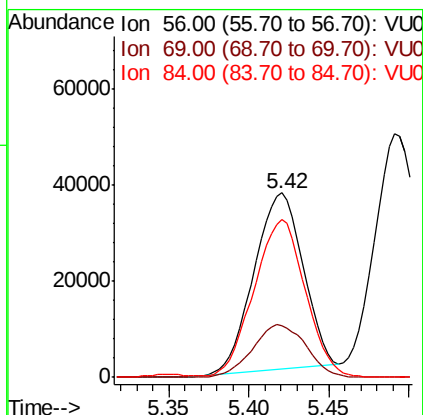
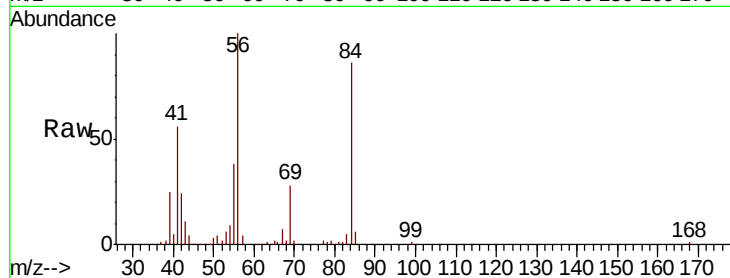




#19
Cyclohexane
Concen: 1.674 ug/l
RT: 5.42 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VU038005.D
Acq: 04 May 2020 17:16

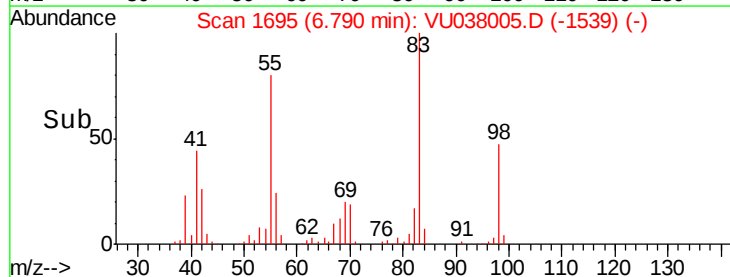
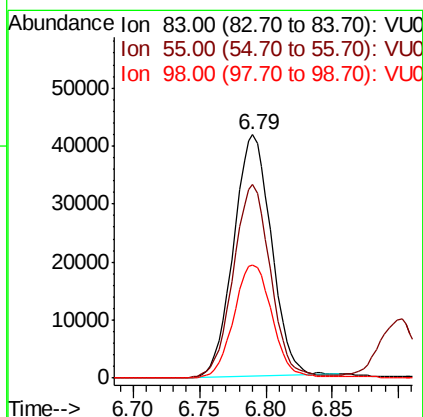
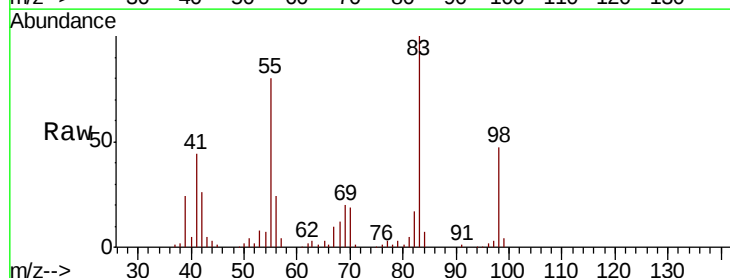
Instrument :
MSVOA_U
ClientSampleId :

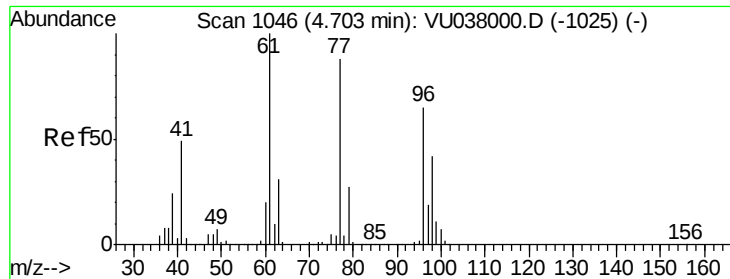
Tot Ion	56.00 (55.70 to 56.70): VU0	Resp	78106
Ion	Ratio	Lower	Upper
56	100		
69	32.5	24.3	36.5
84	92.0	66.3	99.5



#20
Methylcyclohexane
Concen: 1.809 ug/l
RT: 6.79 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VU038005.D
Acq: 04 May 2020 17:16

Tgt Ion	83.00 (82.70 to 83.70): VU0	Resp	82734
Ion	Ratio	Lower	Upper
83	100		
55	77.5	61.5	92.3
98	46.4	37.3	55.9





#21

2,2-Dichloropropane

Concen: 1.688 ug/l

RT: 4.70 min Scan# 1046

Delta R.T. 0.00 min

Lab File: VU038005.D

Acq: 04 May 2020 17:16

Instrument :

MSVOA_U

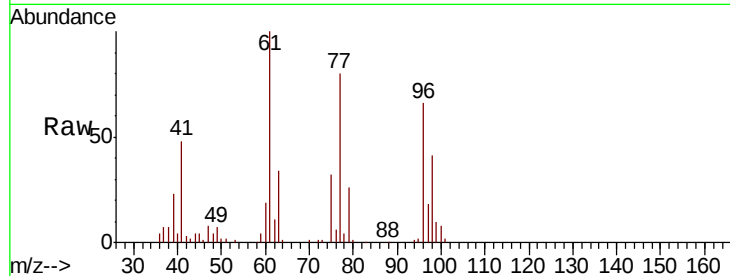
ClientSampleId :

Tot Ion: 77 Resp: 67877

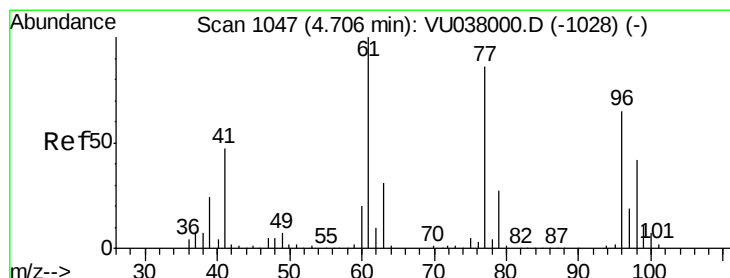
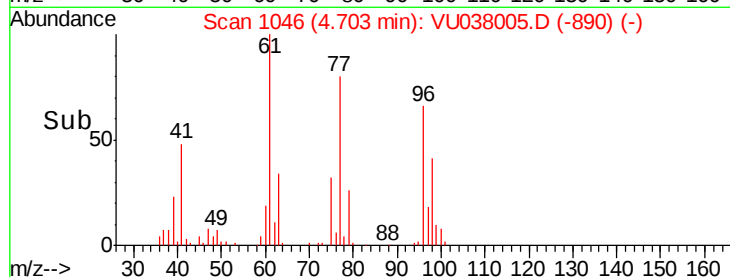
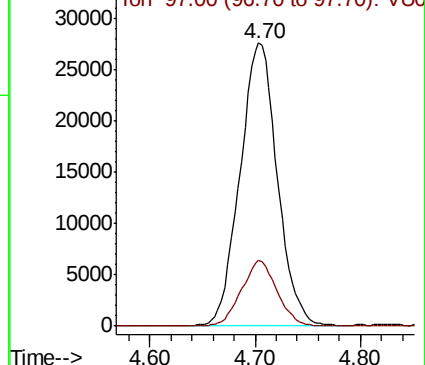
Ion Ratio Lower Upper

77 100

97 22.0 17.4 26.2



Abundance Ion 77.00 (76.70 to 77.70): VU038005.D (-890) (-)



#22

cis-1,2-Dichloroethene

Concen: 1.889 ug/l

RT: 4.70 min Scan# 1046

Delta R.T. -0.00 min

Lab File: VU038005.D

Acq: 04 May 2020 17:16

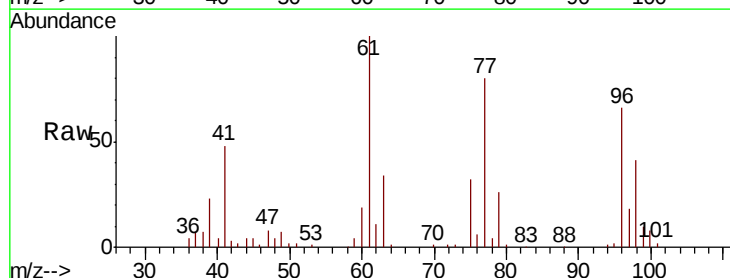
Tgt Ion: 96 Resp: 50659

Ion Ratio Lower Upper

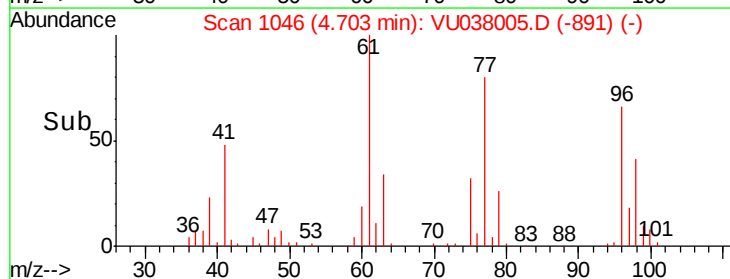
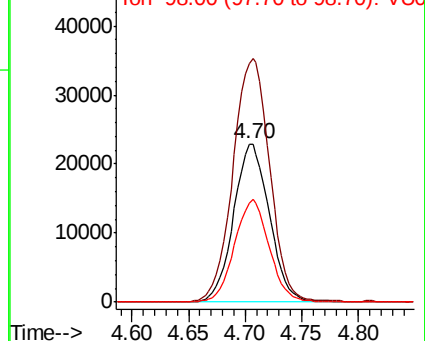
96 100

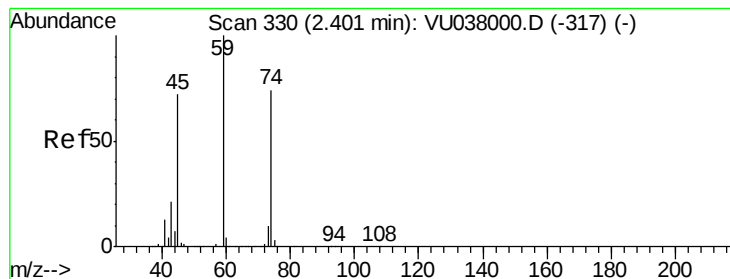
61 157.5 0.0 389.3

98 62.5 32.1 96.3



Abundance Ion 96.00 (95.70 to 96.70): VU038005.D (-891) (-)





#23

Diethyl Ether

Concen: 1.877 ug/l

RT: 2.40 min Scan# 330

Delta R.T. 0.00 min

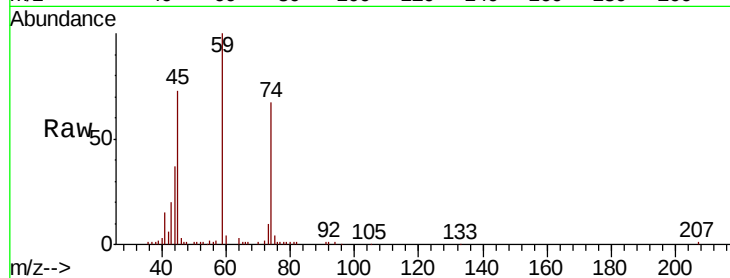
Lab File: VU038005.D

Acq: 04 May 2020 17:16

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 59 Resp: 38154

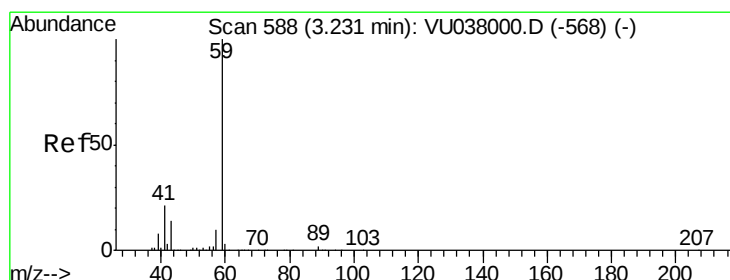
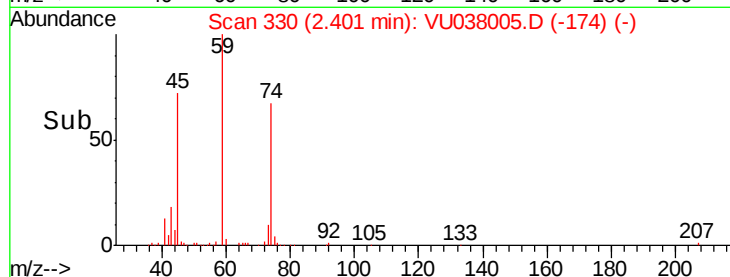
Ion	Ratio	Lower	Upper
59	100		
45	74.4	59.8	89.6
74	70.4	58.2	87.4



Abundance Ion 59.00 (58.70 to 59.70): VU038005.D (-317) (-)

Ion 45.00 (44.70 to 45.70): VU038005.D (-317) (-)

Ion 74.00 (73.70 to 74.70): VU038005.D (-317) (-)



#24

tert-Butyl Alcohol

Concen: 17.997 ug/l

RT: 3.23 min Scan# 589

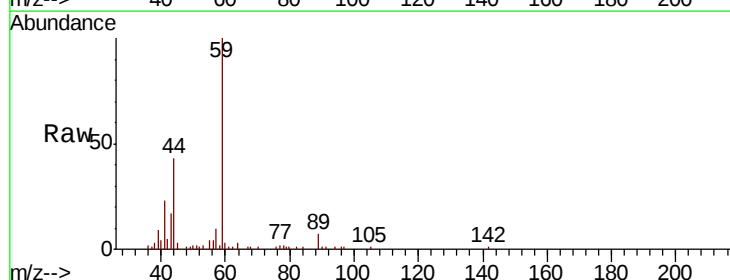
Delta R.T. 0.00 min

Lab File: VU038005.D

Acq: 04 May 2020 17:16

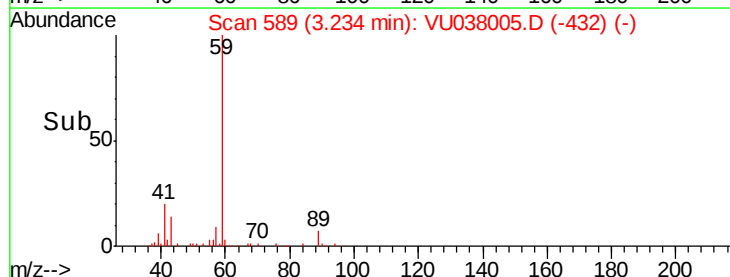
Tgt Ion: 59 Resp: 40607

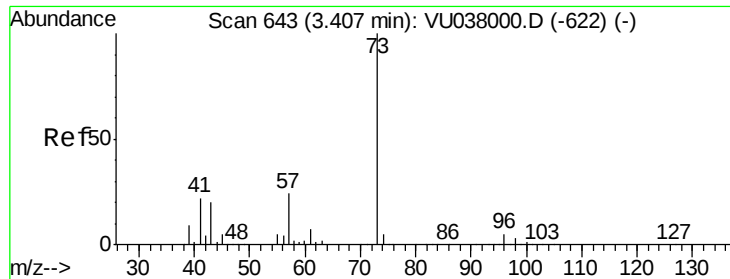
Ion	Ratio	Lower	Upper
59	100		
57	11.4	8.2	12.4



Abundance Ion 59.00 (58.70 to 59.70): VU038005.D (-568) (-)

Ion 57.00 (56.70 to 57.70): VU038005.D (-568) (-)



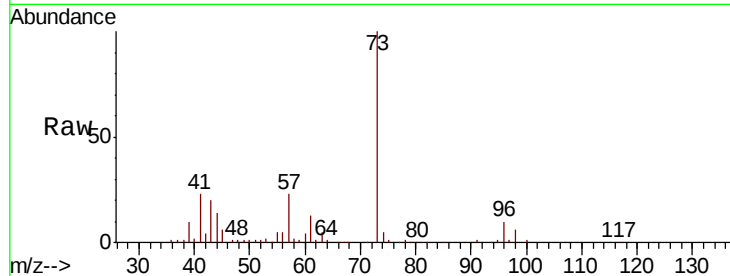


#25

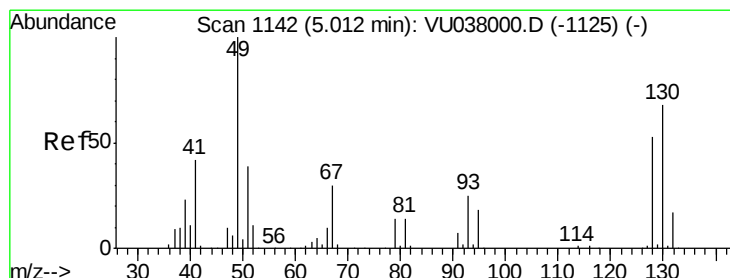
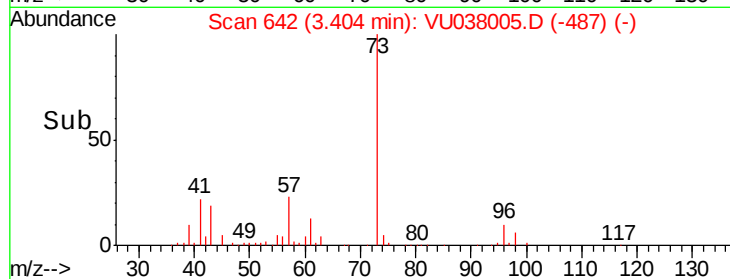
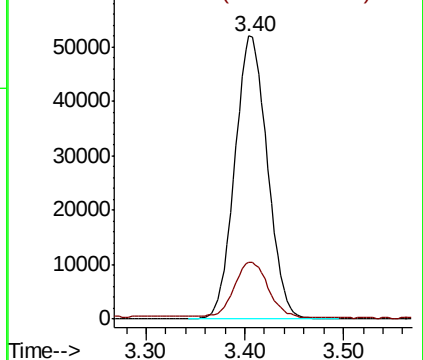
Methyl tert-Butyl Ether
 Concen: 1.879 ug/l
 RT: 3.40 min Scan# 642
 Delta R.T. -0.00 min
 Lab File: VU038005.D
 Acq: 04 May 2020 17:16

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 73 Resp: 119339
 Ion Ratio Lower Upper
 73 100
 43 20.7 16.2 24.2



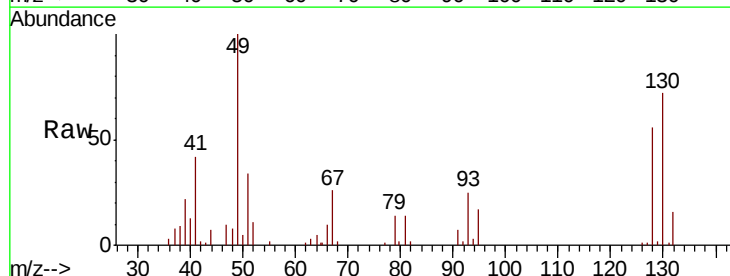
Abundance Ion 73.00 (72.70 to 73.70): VU038000.D (-622) (-)
 Ion 43.00 (42.70 to 43.70): VU038000.D (-622) (-)



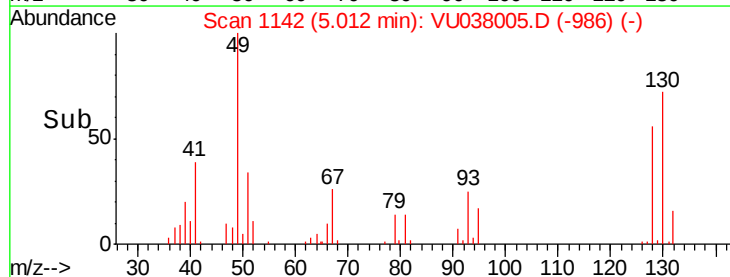
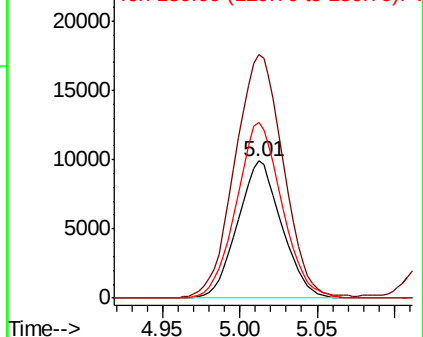
#26

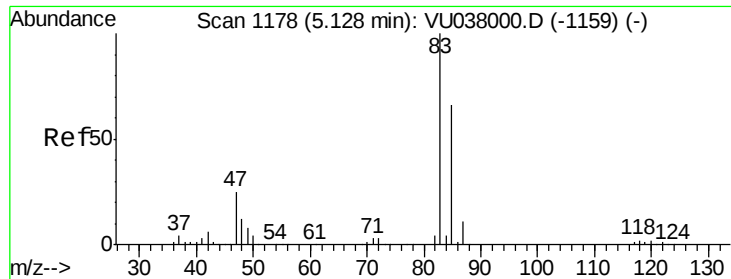
Bromochloromethane
 Concen: 1.815 ug/l
 RT: 5.01 min Scan# 1142
 Delta R.T. 0.00 min
 Lab File: VU038005.D
 Acq: 04 May 2020 17:16

Tgt Ion: 128 Resp: 19592
 Ion Ratio Lower Upper
 128 100
 49 195.8 0.0 376.0
 130 132.5 102.6 153.8



Abundance Ion 128.00 (127.70 to 128.70): VU038000.D (-1125) (-)
 Ion 49.00 (48.70 to 49.70): VU038000.D (-1125) (-)
 Ion 130.00 (129.70 to 130.70): VU038000.D (-1125) (-)

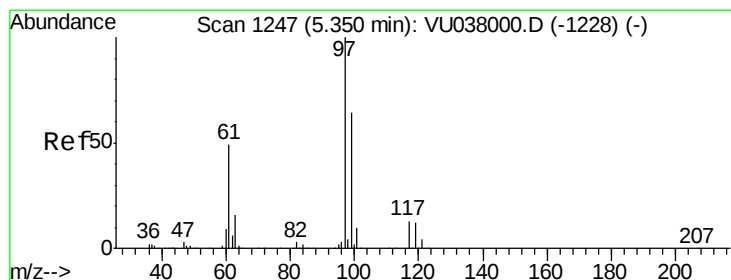
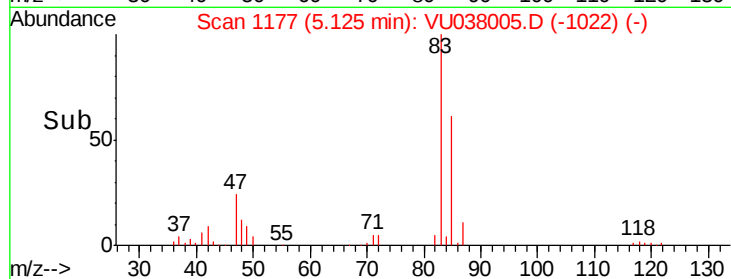
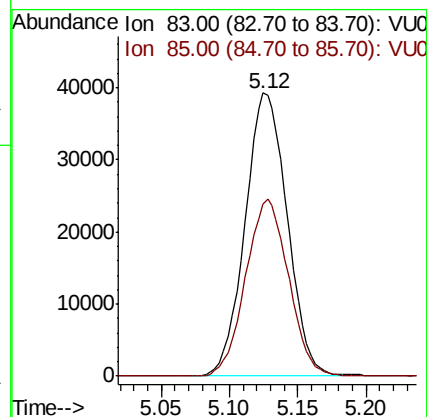
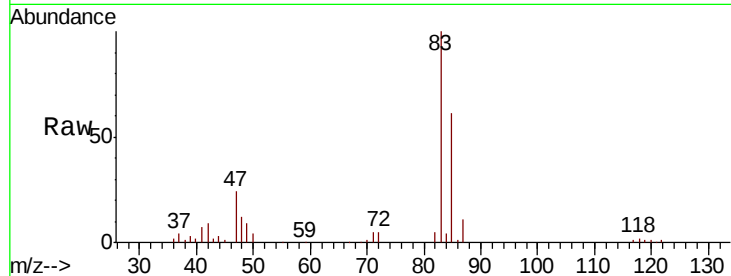




#27
Chloroform
Concen: 1.866 ug/l
RT: 5.12 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VU038005.D
Acq: 04 May 2020 17:16

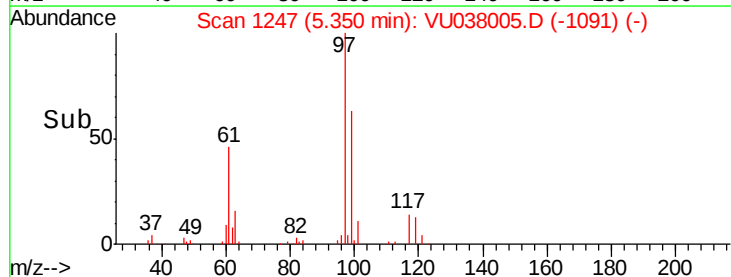
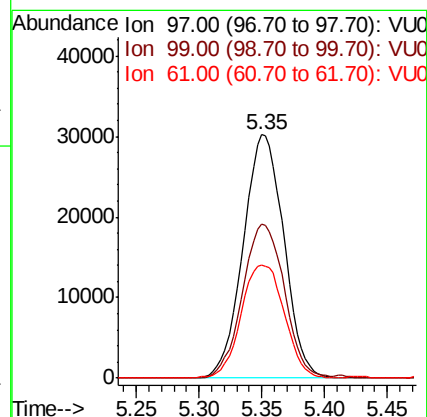
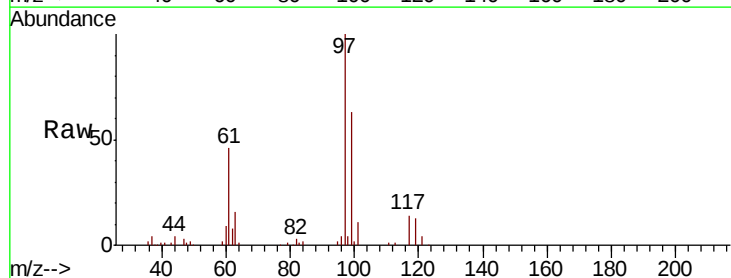
Instrument :
MSVOA_U
ClientSampled :

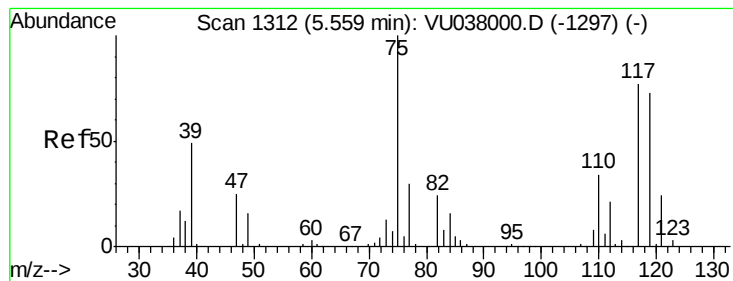
Tot Ion: 83 Resp: 84181
Ion Ratio Lower Upper
83 100
85 60.7 0.0 132.0



#28
1,1,1-Trichloroethane
Concen: 1.835 ug/l
RT: 5.35 min Scan# 1247
Delta R.T. 0.00 min
Lab File: VU038005.D
Acq: 04 May 2020 17:16

Tgt Ion: 97 Resp: 68224
Ion Ratio Lower Upper
97 100
99 65.2 31.9 95.9
61 49.2 24.1 72.4





#29

1,1-Dichloropropene

Concen: 1.842 ug/l

RT: 5.56 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU038005.D

Acq: 04 May 2020 17:16

Instrument :

MSVOA_U

ClientSampleId :

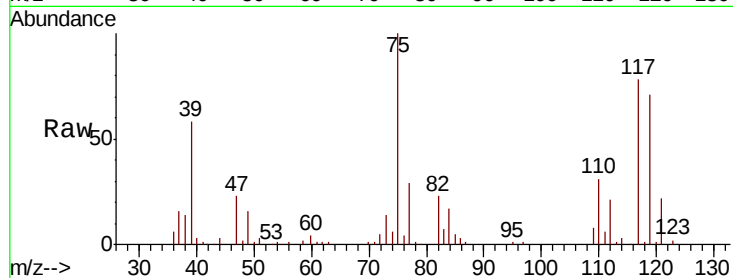
Tot Ion: 75 Resp: 68930

Ion Ratio Lower Upper

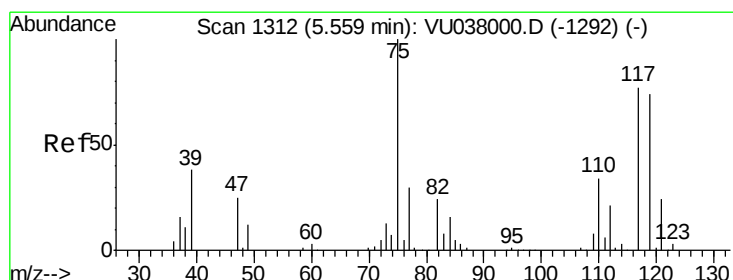
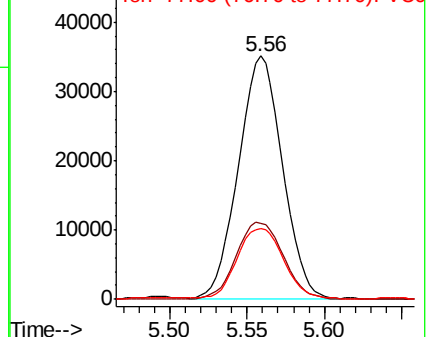
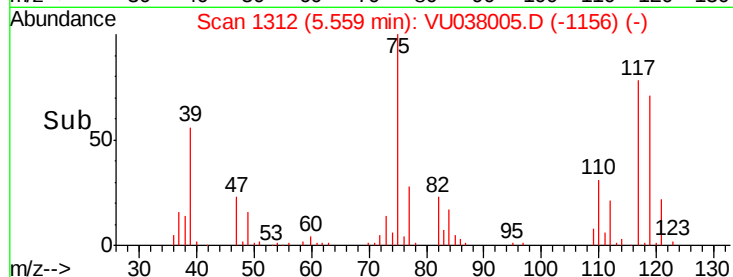
75 100

110 34.1 16.7 50.1

77 31.7 24.5 36.7



Abundance Ion 75.00 (74.70 to 75.70): VU038005.D (-1156) (-)



#30

Carbon Tetrachloride

Concen: 1.860 ug/l

RT: 5.56 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU038005.D

Acq: 04 May 2020 17:16

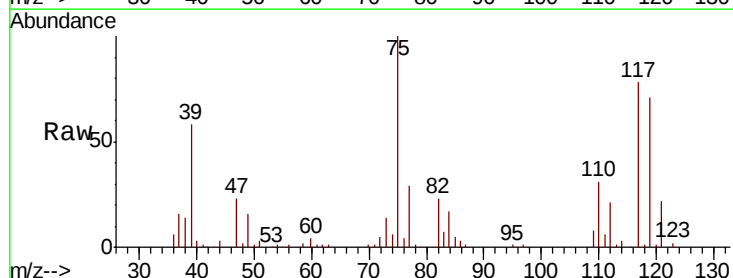
Tgt Ion: 117 Resp: 57861

Ion Ratio Lower Upper

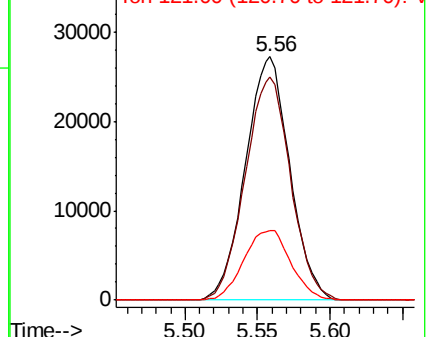
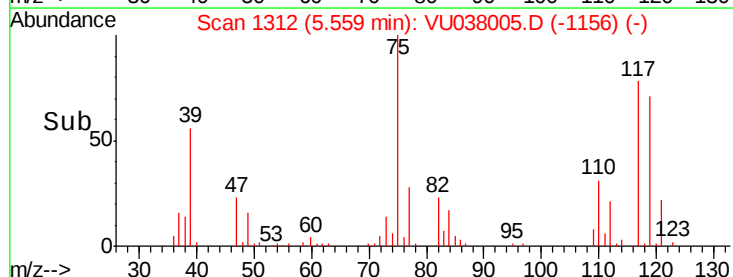
117 100

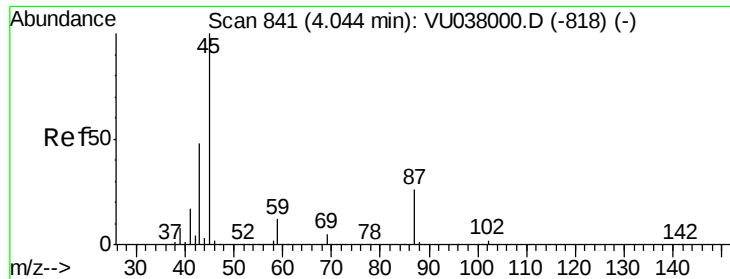
119 91.5 76.3 114.5

121 28.8 24.7 37.1



Abundance Ion 117.00 (116.70 to 117.70): VU038005.D (-1156) (-)





#31

Isopropyl Ether

Concen: 1.818 ug/l

RT: 4.04 min Scan# 841

Delta R.T. 0.00 min

Lab File: VU038005.D

Acq: 04 May 2020 17:16

Instrument :

MSVOA_U

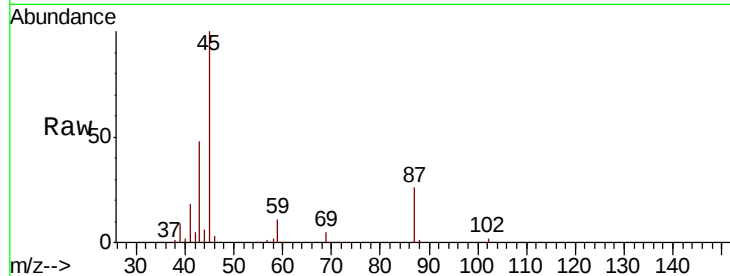
ClientSampleId :

Tot Ion: 45 Resp: 143957

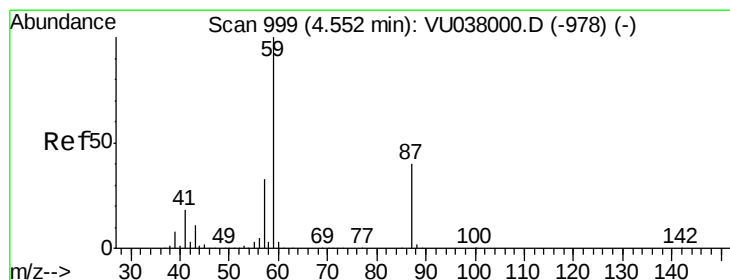
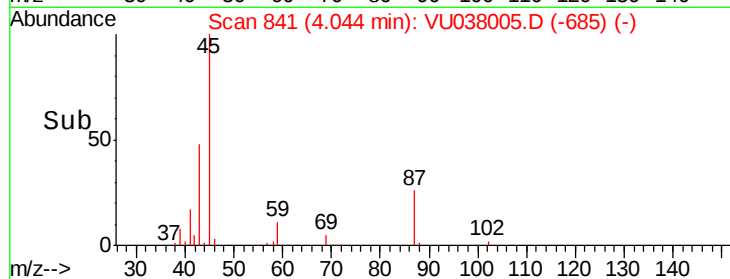
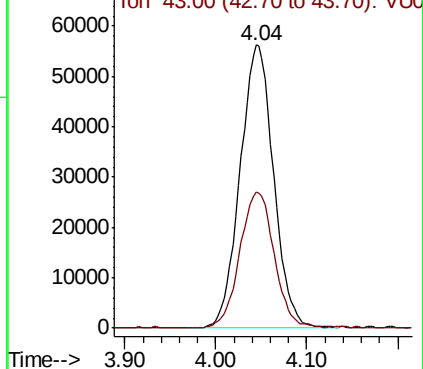
Ion Ratio Lower Upper

45 100

43 49.5 24.2 72.6



Abundance Ion 45.00 (44.70 to 45.70): VU038000.D (-818) (-)



#32

Ethyl-t-butyl ether

Concen: 1.778 ug/l

RT: 4.55 min Scan# 999

Delta R.T. 0.00 min

Lab File: VU038005.D

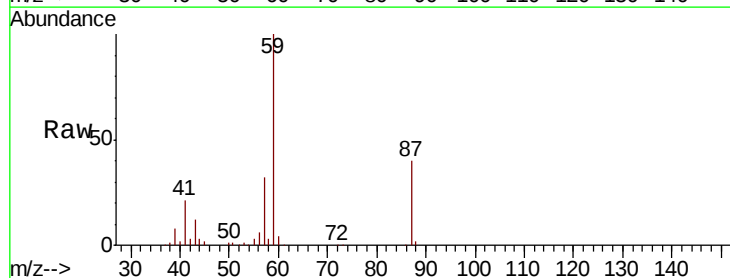
Acq: 04 May 2020 17:16

Tgt Ion: 59 Resp: 127121

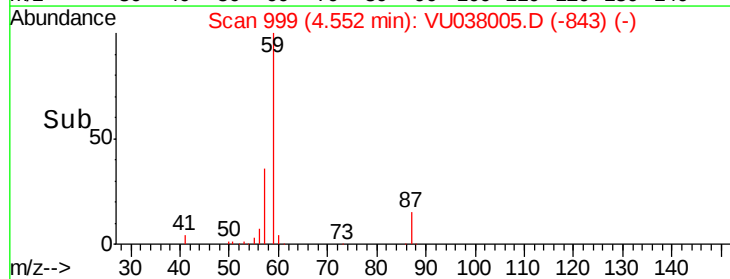
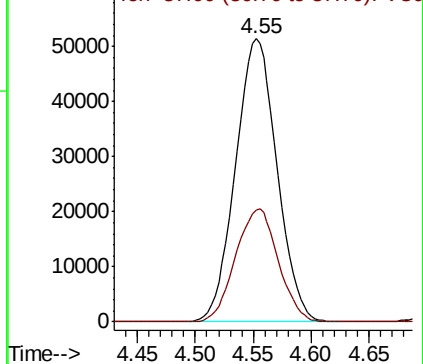
Ion Ratio Lower Upper

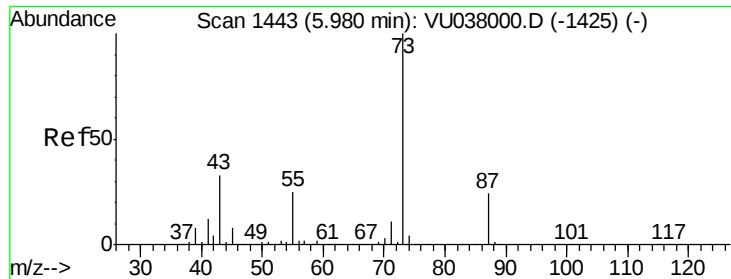
59 100

87 41.2 32.4 48.6



Abundance Ion 59.00 (58.70 to 59.70): VU038000.D (-978) (-)

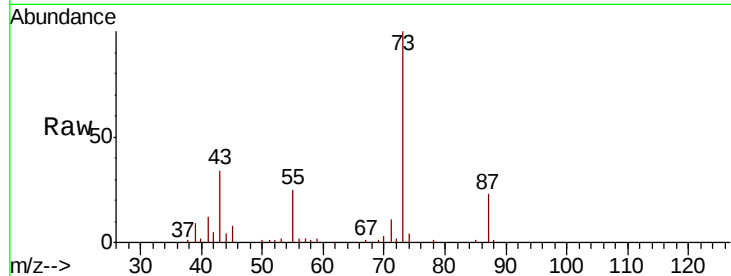




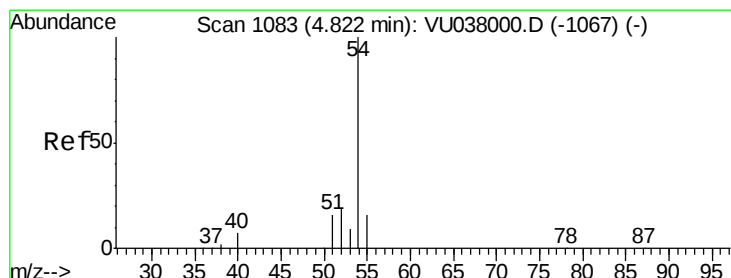
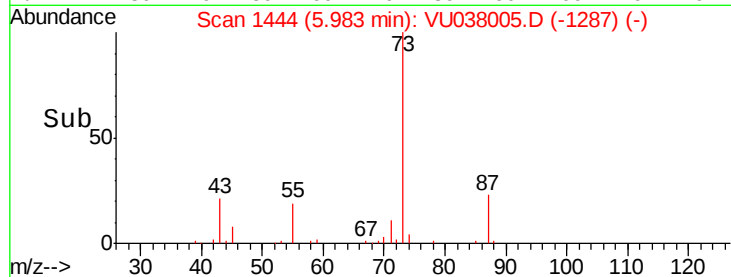
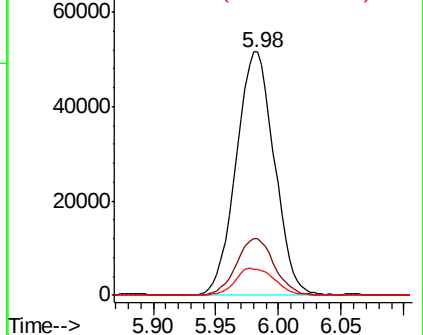
#33
Tert-Butyl methyl ether
Concen: 1.763 ug/l
RT: 5.98 min Scan# 1444
Delta R.T. 0.00 min
Lab File: VU038005.D
Acq: 04 May 2020 17:16

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
73	100		
87	23.3	18.9	28.3
71	11.5	9.1	13.7

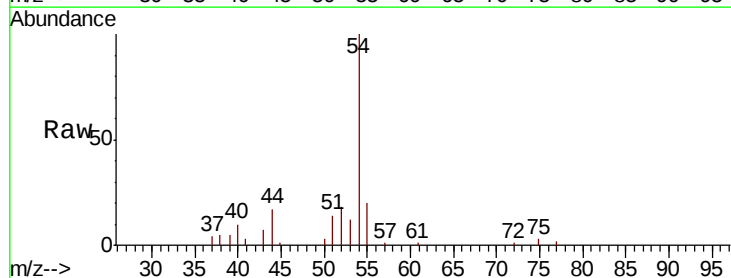


Abundance Ion 73.00 (72.70 to 73.70): VU038000.D (-1425) (-)
Ion 87.00 (86.70 to 87.70): VU038000.D (-1425) (-)
Ion 71.00 (70.70 to 71.70): VU038000.D (-1425) (-)

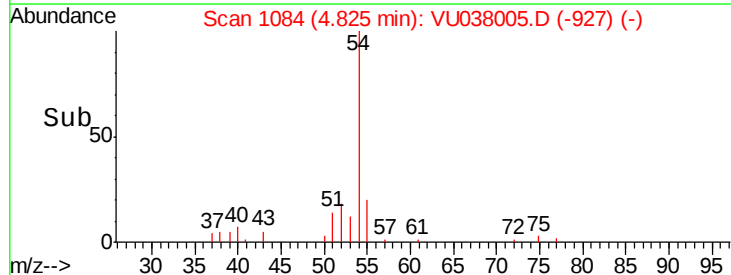
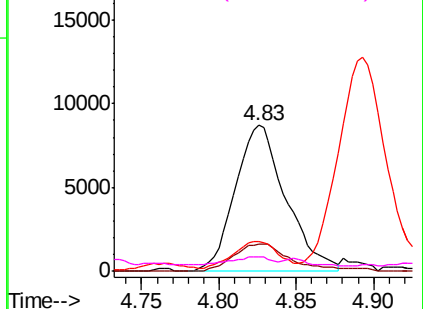


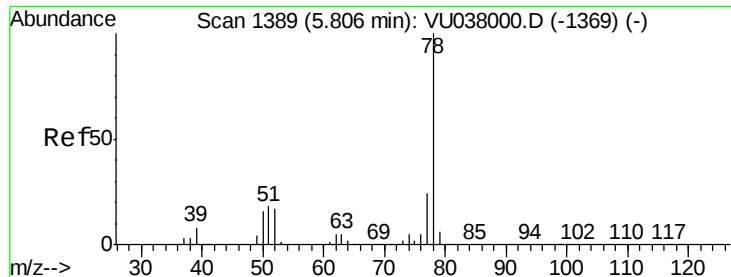
#34
Propionitrile
Concen: 9.101 ug/l
RT: 4.83 min Scan# 1084
Delta R.T. 0.00 min
Lab File: VU038005.D
Acq: 04 May 2020 17:16

Tgt Ion	Ratio	Lower	Upper
54	100		
52	20.1	15.8	23.8
55	17.6	13.2	19.8
40	5.0	5.2	7.8#



Abundance Ion 54.00 (53.70 to 54.70): VU038000.D (-1067) (-)
Ion 52.00 (51.70 to 52.70): VU038000.D (-1067) (-)
Ion 55.00 (54.70 to 55.70): VU038000.D (-1067) (-)
Ion 40.00 (39.70 to 40.70): VU038000.D (-1067) (-)





#35

Benzene

Concen: 1.862 ug/l

RT: 5.81 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VU038005.D

Acq: 04 May 2020 17:16

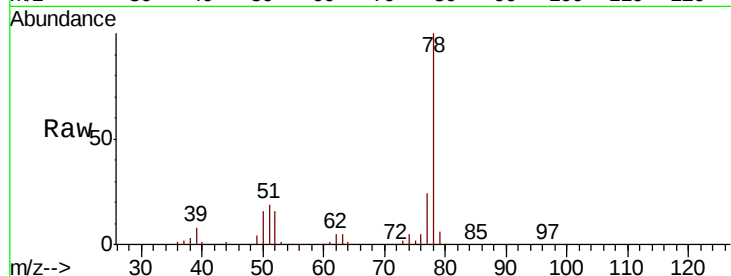
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 78 Resp: 195007

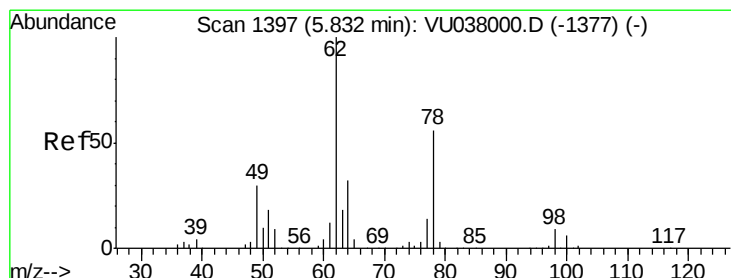
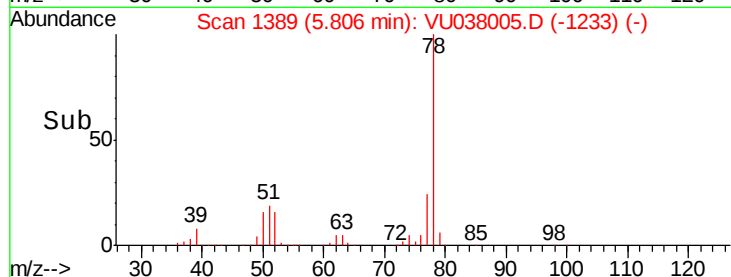
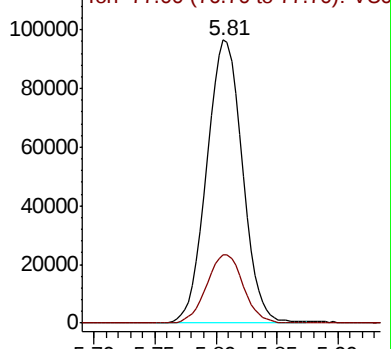
Ion Ratio Lower Upper

78 100

77 24.0 19.3 28.9



Abundance Ion 78.10 (77.80 to 78.80): VU038005.D (-1233) (-)



#36

1,2-Dichloroethane

Concen: 1.850 ug/l

RT: 5.83 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VU038005.D

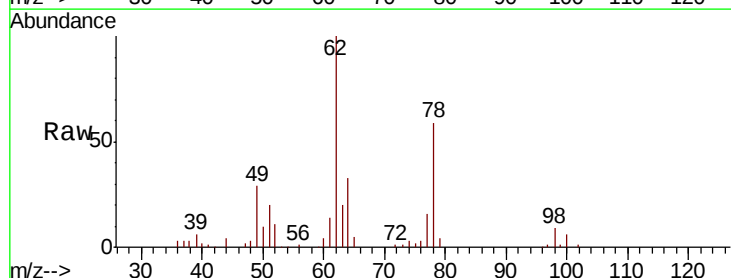
Acq: 04 May 2020 17:16

Tgt Ion: 62 Resp: 57325

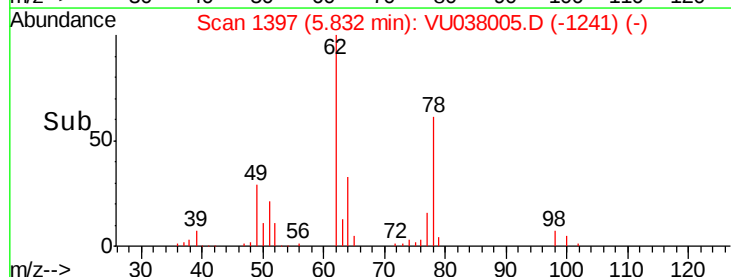
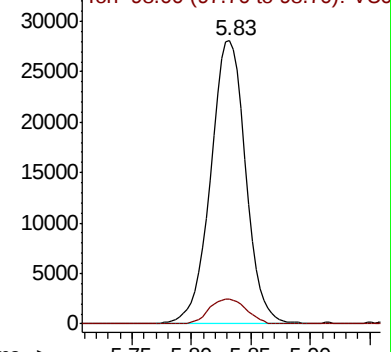
Ion Ratio Lower Upper

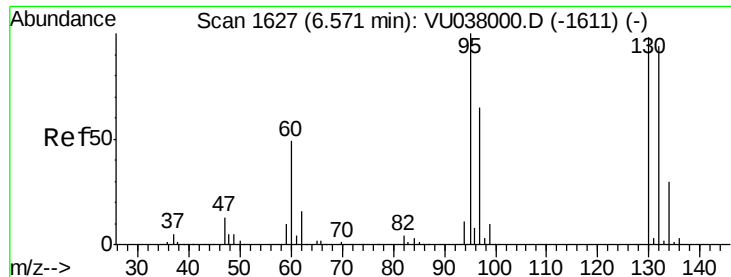
62 100

98 9.4 7.3 10.9



Abundance Ion 62.00 (61.70 to 62.70): VU038005.D (-1241) (-)

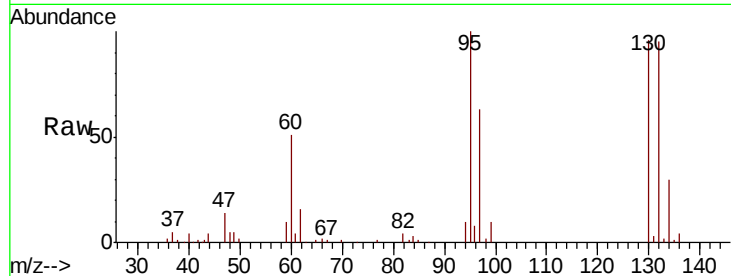




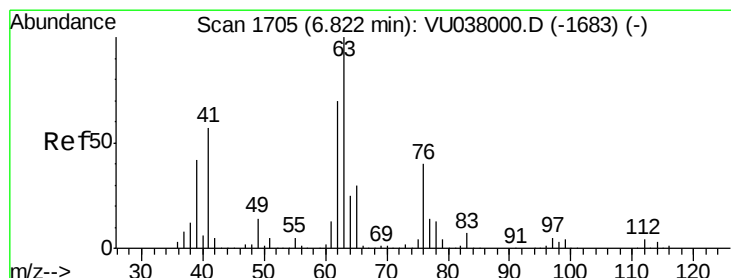
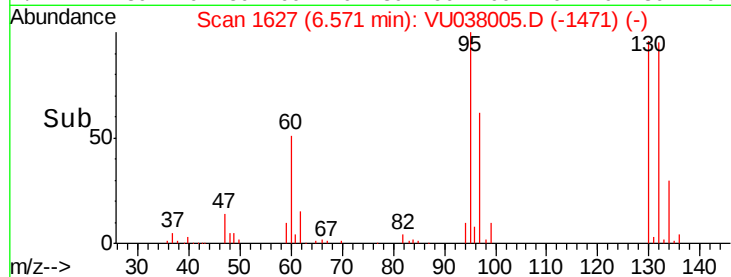
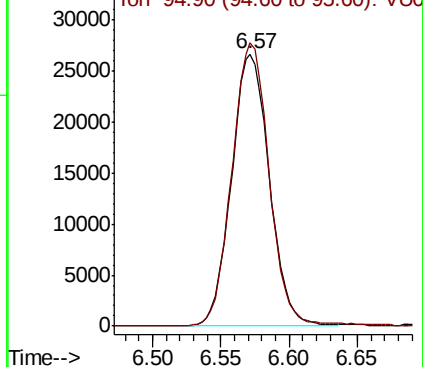
#37
 Trichloroethene
 Concen: 1.870 ug/l
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU038005.D
 Acq: 04 May 2020 17:16

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:130 Resp: 51424
 Ion Ratio Lower Upper
 130 100
 95 104.1 81.6 122.4

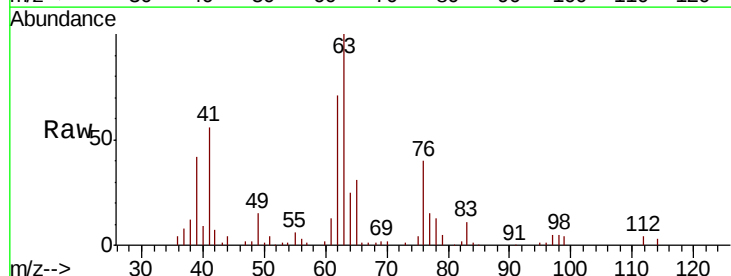


Abundance Ion 129.90 (129.60 to 130.60): VU038000.D (-1611) (-)
 Ion 94.90 (94.60 to 95.60): VU038000.D (-1611) (-)

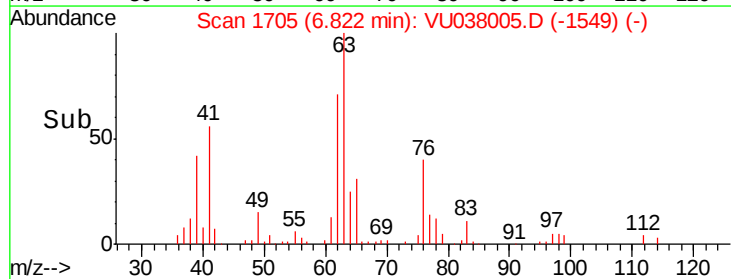
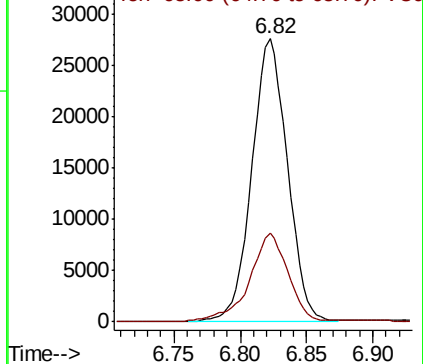


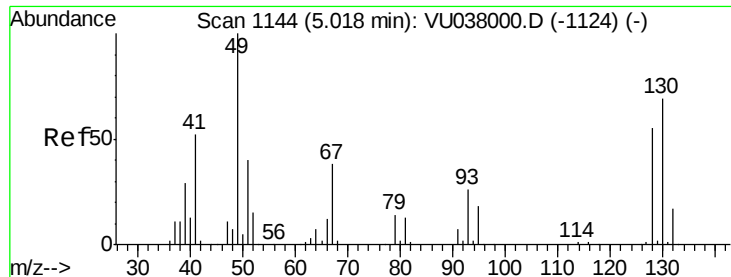
#38
 1,2-Dichloropropane
 Concen: 1.836 ug/l
 RT: 6.82 min Scan# 1705
 Delta R.T. 0.00 min
 Lab File: VU038005.D
 Acq: 04 May 2020 17:16

Tgt Ion: 63 Resp: 51751
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.1 36.1



Abundance Ion 63.00 (62.70 to 63.70): VU038000.D (-1683) (-)
 Ion 65.00 (64.70 to 65.70): VU038000.D (-1683) (-)

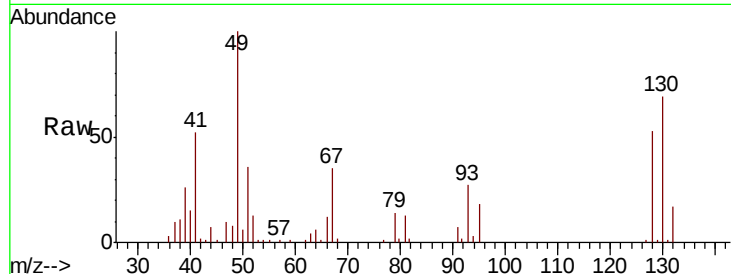




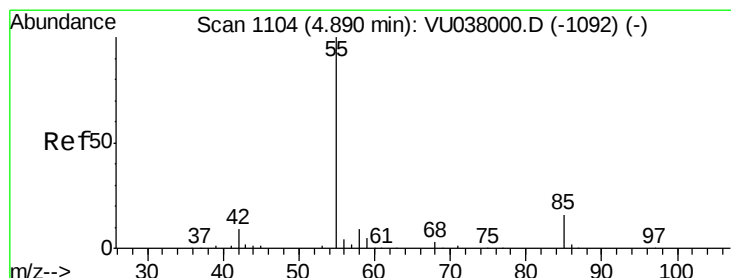
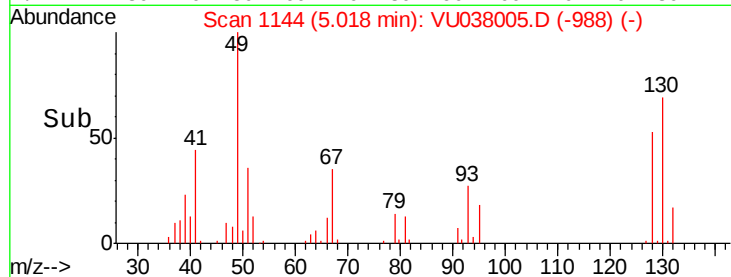
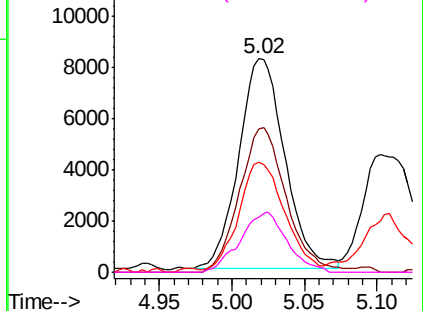
#39
Methacrylonitrile
Concen: 1.787 ug/l
RT: 5.02 min Scan# 1144
Delta R.T. 0.00 min
Lab File: VU038005.D
Acq: 04 May 2020 17:16

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:	41	Resp:	18211
Ion	Ratio	Lower	Upper
41	100		
67	69.6	58.0	87.0
39	50.2	43.2	64.8
52	28.8	22.9	34.3

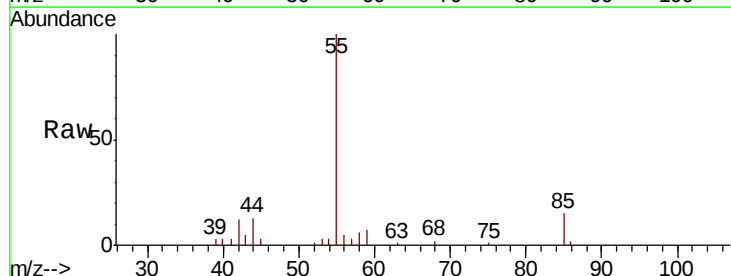


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

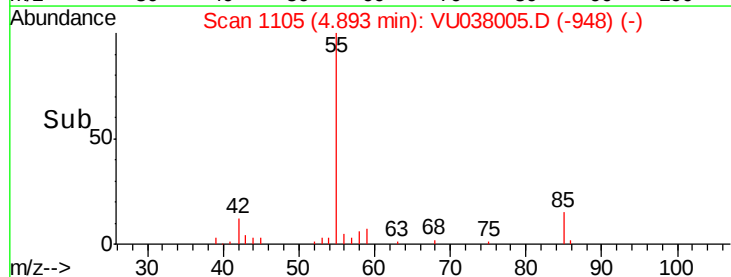
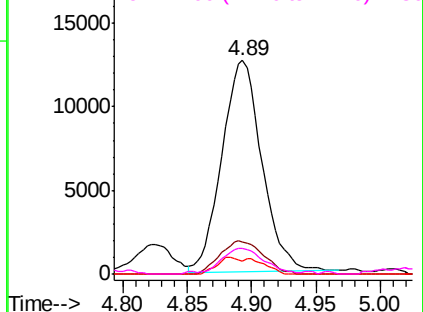


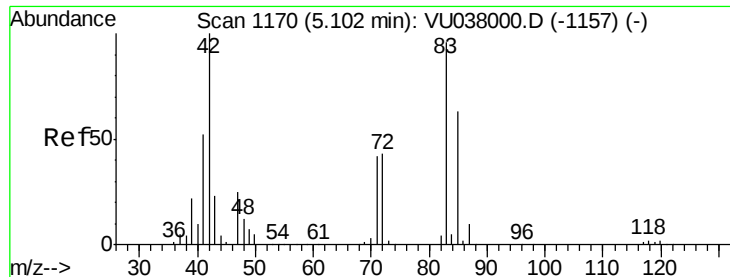
#40
Methyl acrylate
Concen: 1.809 ug/l
RT: 4.89 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VU038005.D
Acq: 04 May 2020 17:16

Tgt Ion:	55	Resp:	27167
Ion	Ratio	Lower	Upper
55	100		
85	16.7	12.9	19.3
58	4.7	7.2	10.8#
42	11.1	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: 3.688 ug/l

RT: 5.11 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VU038005.D

Acq: 04 May 2020 17:16

Instrument :
MSVOA_U
ClientSampled :

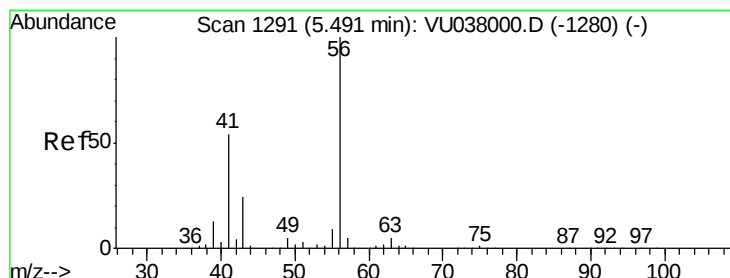
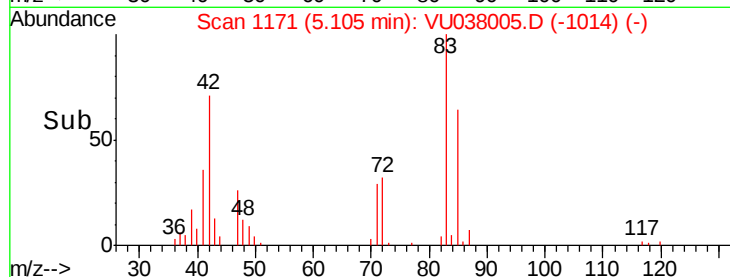
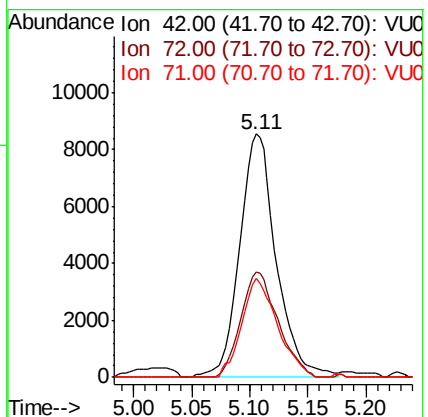
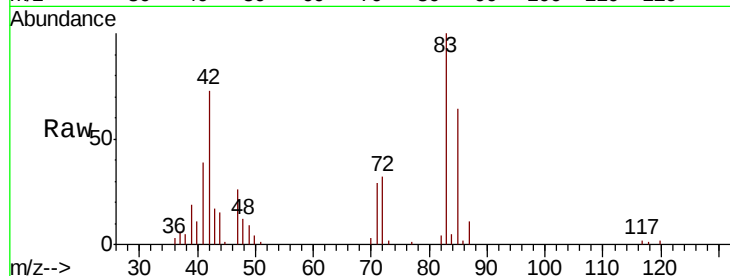
Tot Ion: 42 Resp: 18753

Ion Ratio Lower Upper

42 100

72 44.0 37.4 56.2

71 39.5 32.8 49.2



#42

1-Chlorobutane

Concen: 1.848 ug/l

RT: 5.49 min Scan# 1291

Delta R.T. 0.00 min

Lab File: VU038005.D

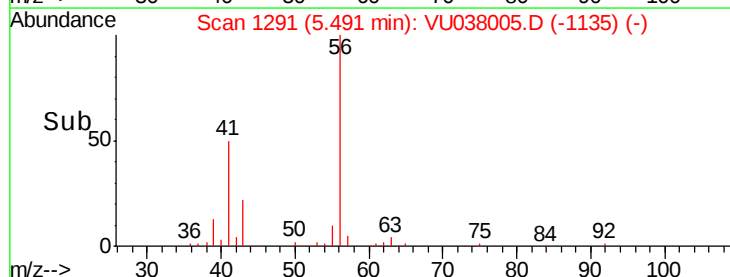
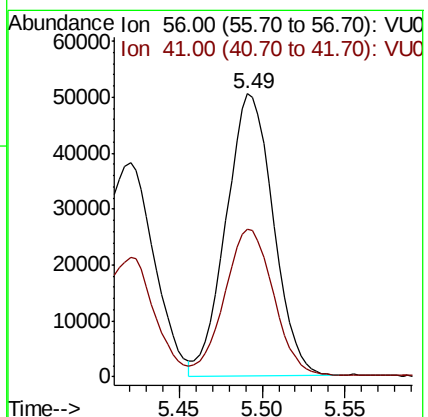
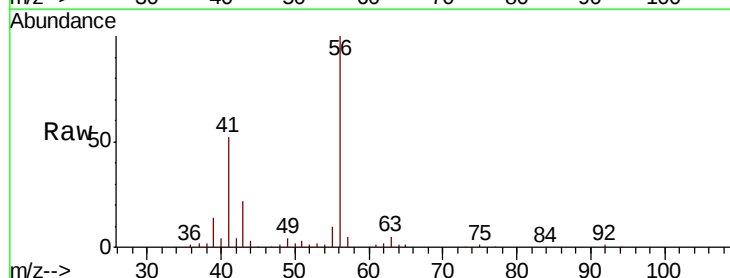
Acq: 04 May 2020 17:16

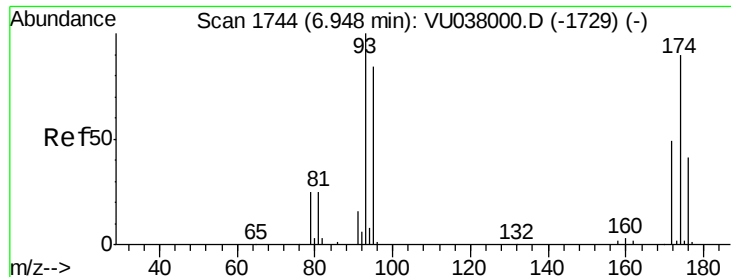
Tgt Ion: 56 Resp: 99655

Ion Ratio Lower Upper

56 100

41 53.6 26.8 80.4

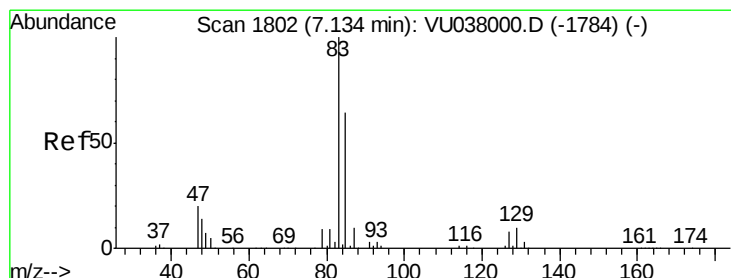
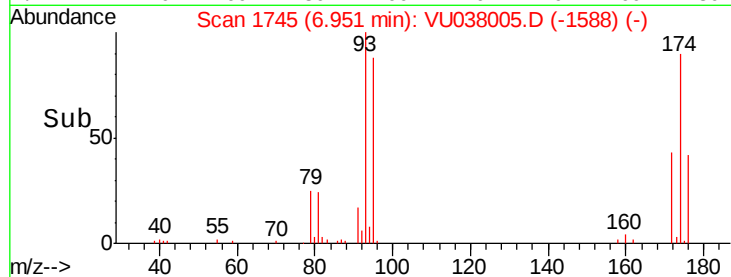
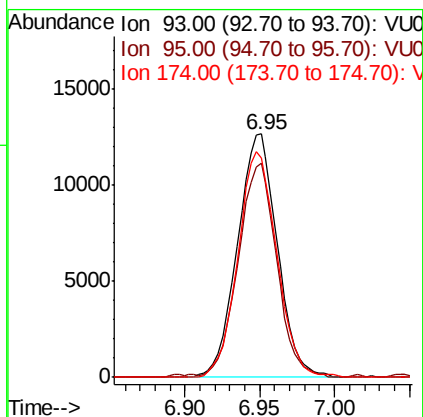
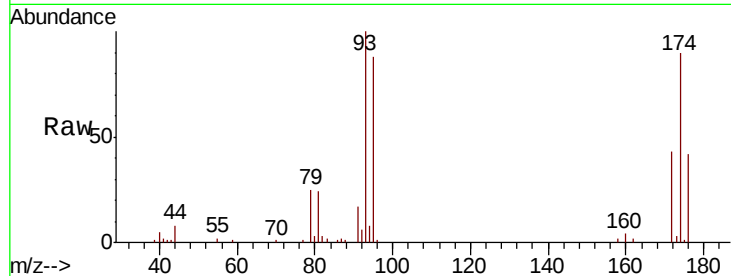




#43
Dibromomethane
Concen: 1.782 ug/l
RT: 6.95 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VU038005.D
Acq: 04 May 2020 17:16

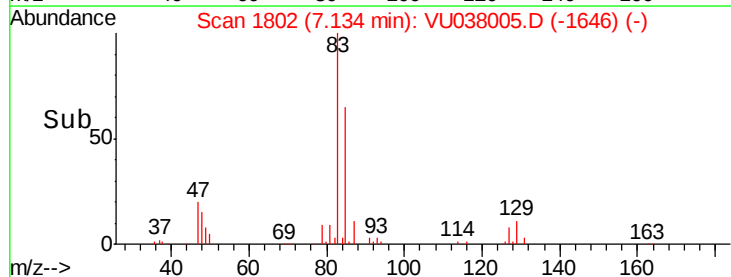
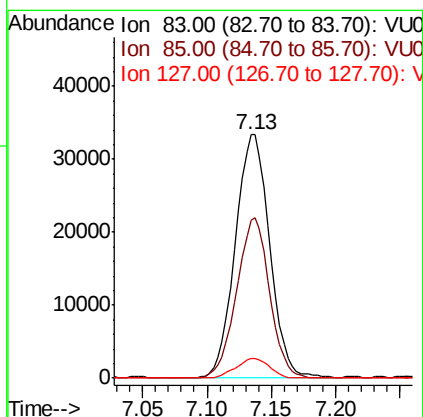
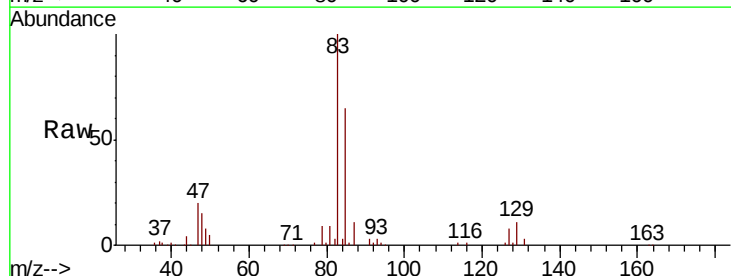
Instrument :
MSVOA_U
ClientSampleId :

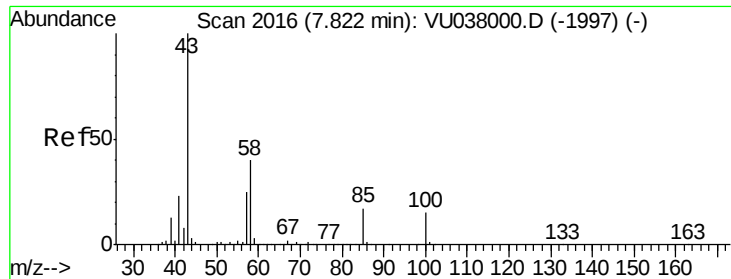
Tot Ion: 93 Resp: 23394
Ion Ratio Lower Upper
93 100
95 85.2 66.1 99.1
174 90.7 72.8 109.2



#44
Bromodichloromethane
Concen: 1.884 ug/l
RT: 7.13 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VU038005.D
Acq: 04 May 2020 17:16

Tgt Ion: 83 Resp: 62109
Ion Ratio Lower Upper
83 100
85 64.7 51.4 77.0
127 8.2 6.2 9.2

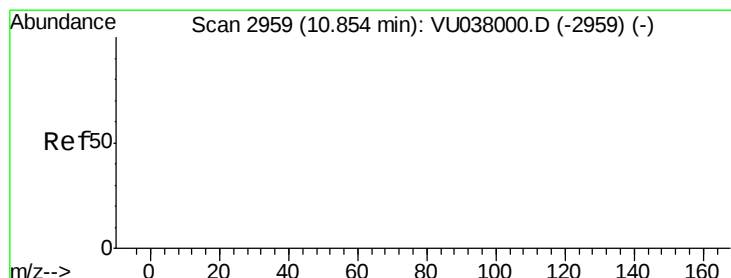
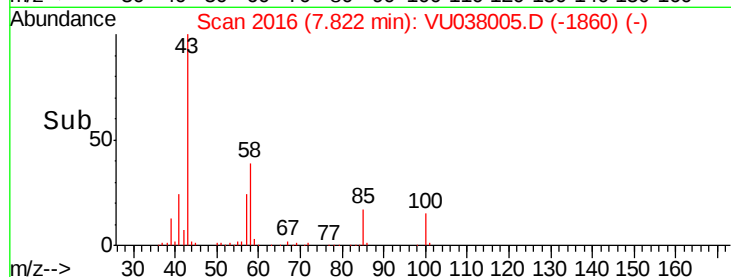
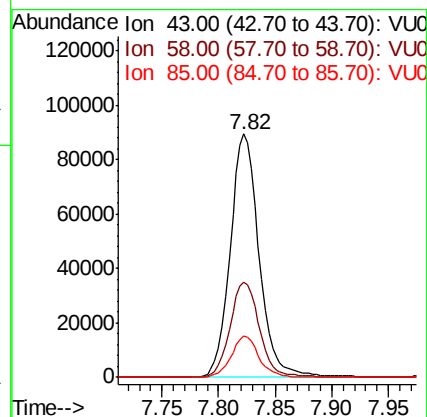
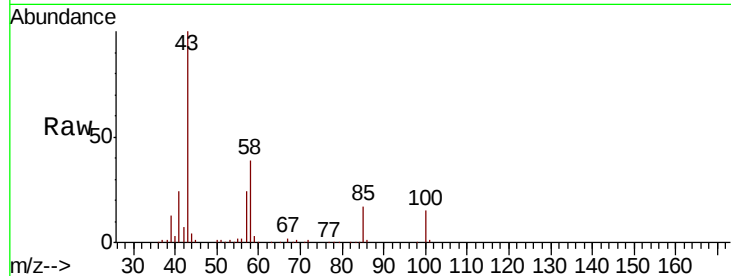




#45
4-Methyl-2-Pentanone
Concen: 8.838 ug/l
RT: 7.82 min Scan# 2016
Delta R.T. 0.00 min
Lab File: VU038005.D
Acq: 04 May 2020 17:16

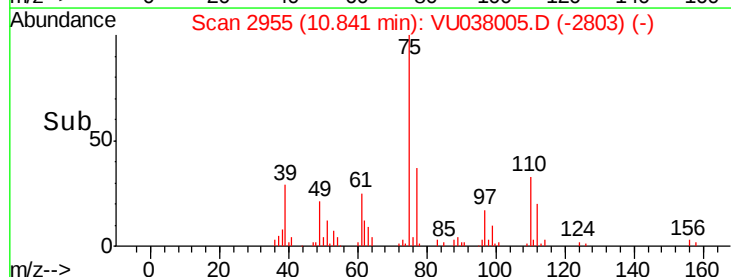
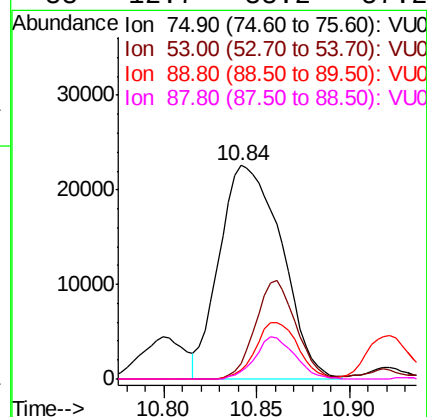
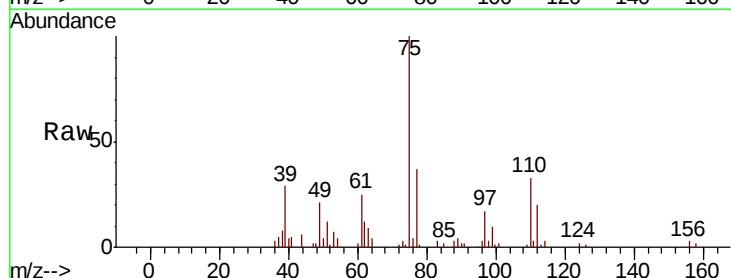
Instrument :
MSVOA_U
ClientSampled :

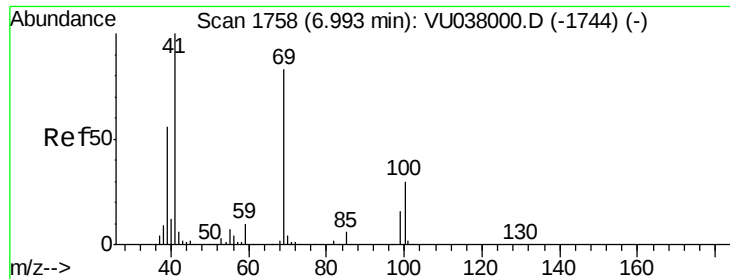
Tot Ion	43	Resp	158133
Ion Ratio	Lower	Upper	
43	100		
58	40.3	20.1	60.3
85	16.4	13.7	20.5



#46
t-1,4-Dichloro-2-butene
Concen: 9.506 ug/l
RT: 10.84 min Scan# 2955
Delta R.T. -0.01 min
Lab File: VU038005.D
Acq: 04 May 2020 17:16

Tgt Ion	75	Resp	52591
Ion Ratio	Lower	Upper	
75	100		
53	30.3	81.1	121.7#
89	18.2	53.2	79.8#
88	12.7	38.2	57.2#

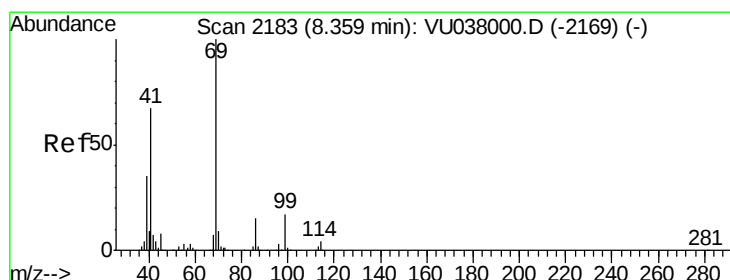
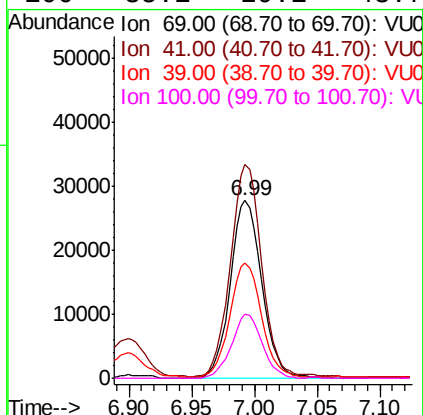
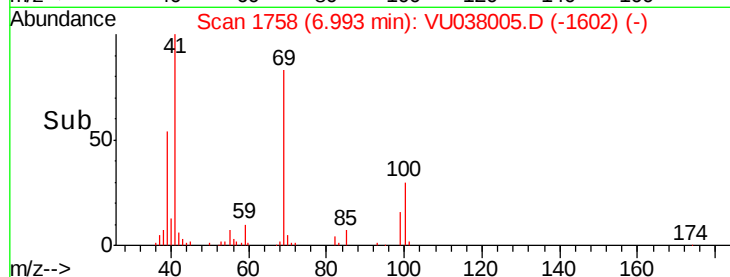
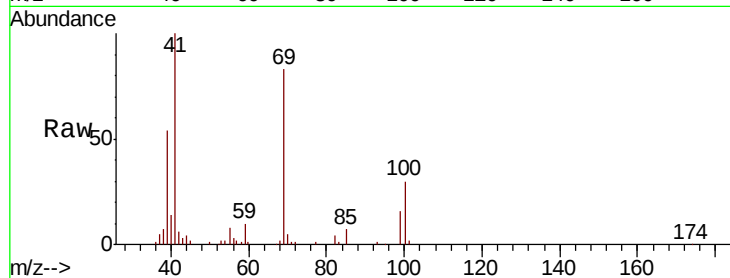




#47
Methvl methacrylate
Concen: 3.631 ug/l
RT: 6.99 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VU038005.D
Acq: 04 May 2020 17:16

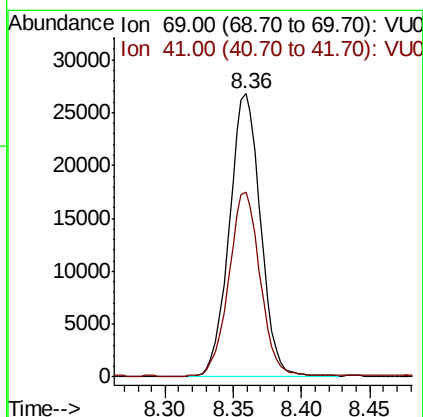
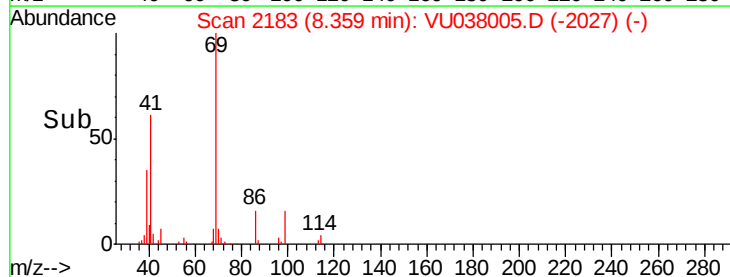
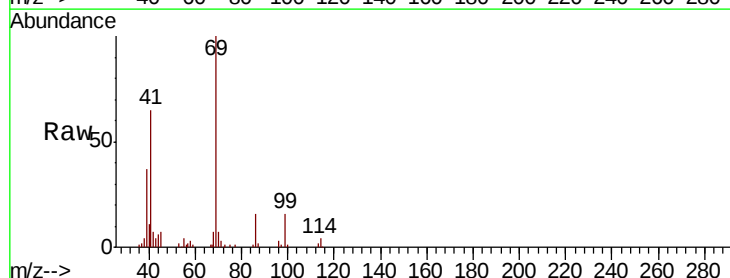
Instrument :
MSVOA_U
ClientSampleId :

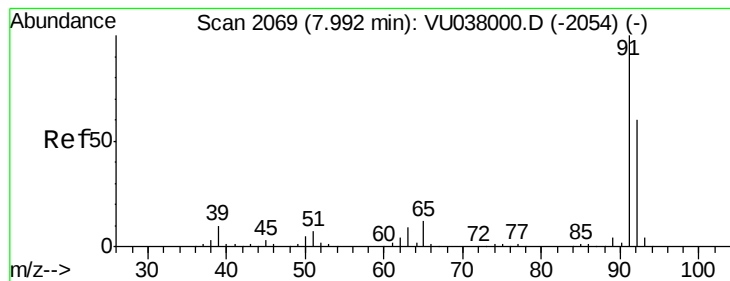
Tot Ion: 69 Resp: 48471
Ion Ratio Lower Upper
69 100
41 118.5 0.0 241.6
39 64.2 52.9 79.3
100 35.1 29.1 43.7



#48
Ethyl methacrylate
Concen: 1.730 ug/l
RT: 8.36 min Scan# 2183
Delta R.T. 0.00 min
Lab File: VU038005.D
Acq: 04 May 2020 17:16

Tgt Ion: 69 Resp: 42747
Ion Ratio Lower Upper
69 100
41 65.9 33.6 100.8





#49

Toluene

Concen: 1.853 ug/l

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU038005.D

Acq: 04 May 2020 17:16

Instrument :

MSVOA_U

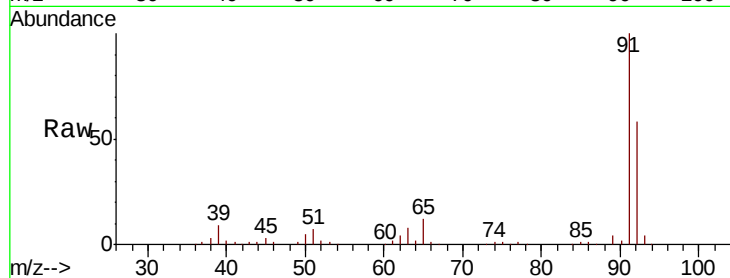
ClientSampled :

Tot Ion: 92 Resp: 122662

Ion Ratio Lower Upper

92 100

91 170.4 134.4 201.6



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

Ion 91.00 (90.70 to 91.70): VU038000.D (-2054) (-)

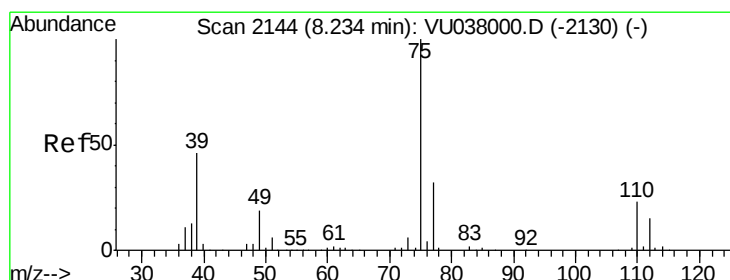
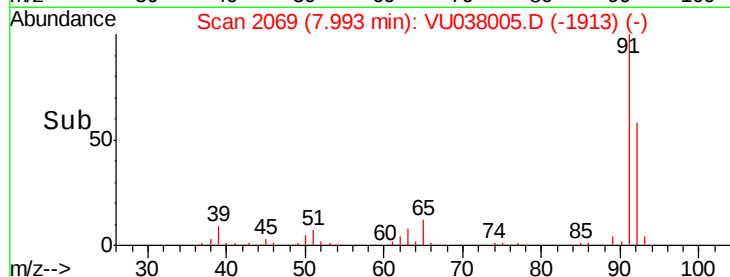
7.99

100000

50000

0

Time-->



#50

t-1,3-Dichloropropene

Concen: 1.715 ug/l

RT: 8.24 min Scan# 2145

Delta R.T. 0.00 min

Lab File: VU038005.D

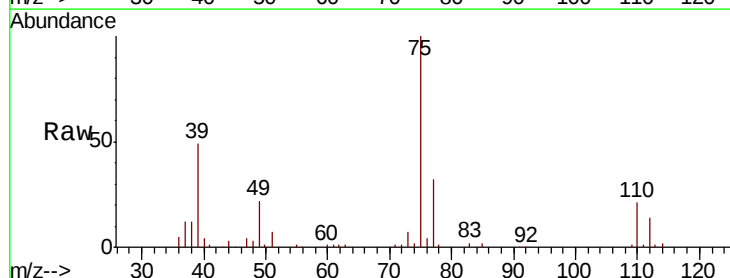
Acq: 04 May 2020 17:16

Tgt Ion: 75 Resp: 57782

Ion Ratio Lower Upper

75 100

77 31.3 25.8 38.8



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

Ion 77.00 (76.70 to 77.70): VU038000.D (-2130) (-)

8.24

40000

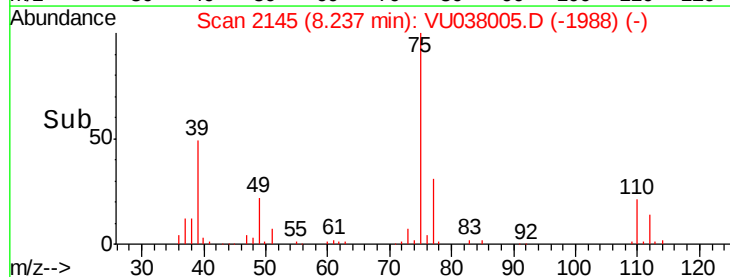
30000

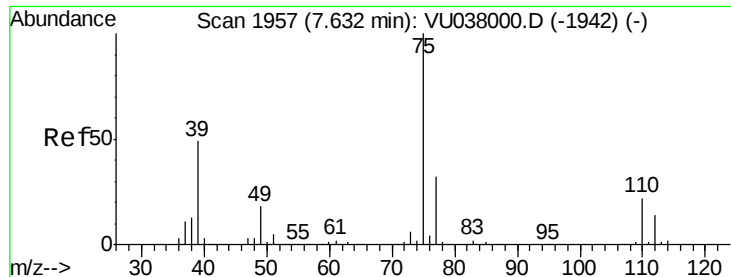
20000

10000

0

Time-->



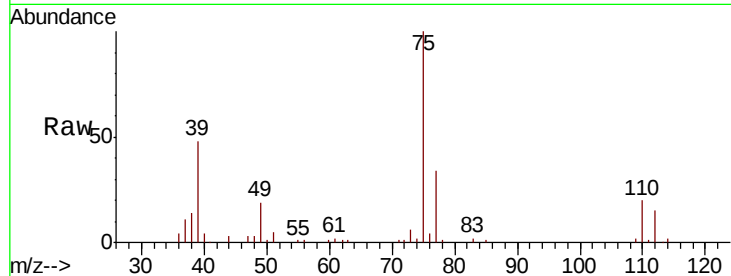


#51

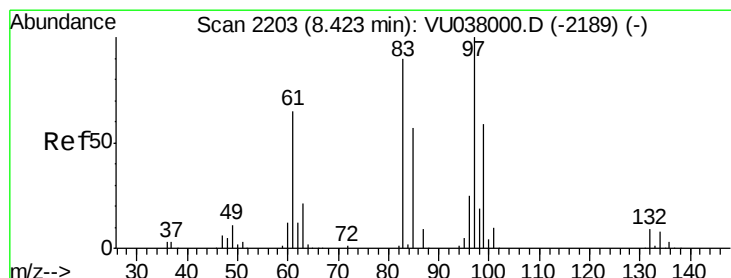
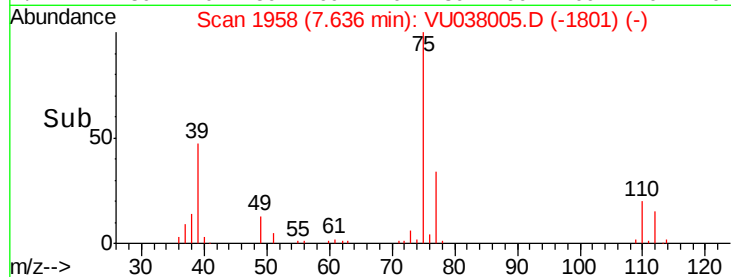
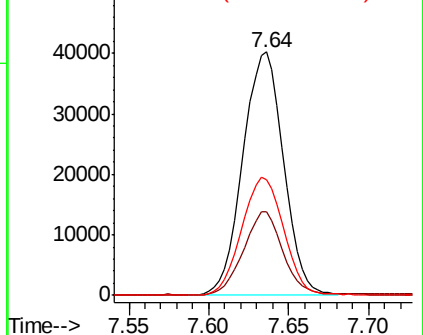
cis-1,3-Dichloropropene
 Concen: 1.731 ug/l
 RT: 7.64 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: VU038005.D
 Acq: 04 May 2020 17:16

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 75 Resp: 70009
 Ion Ratio Lower Upper
 75 100
 77 34.1 25.5 38.3
 39 47.3 39.0 58.4



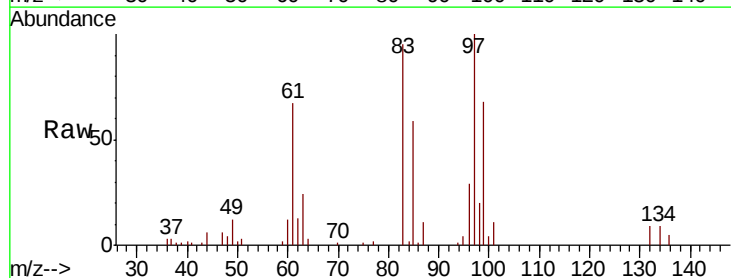
Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0
 Ion 39.00 (38.70 to 39.70): VU0



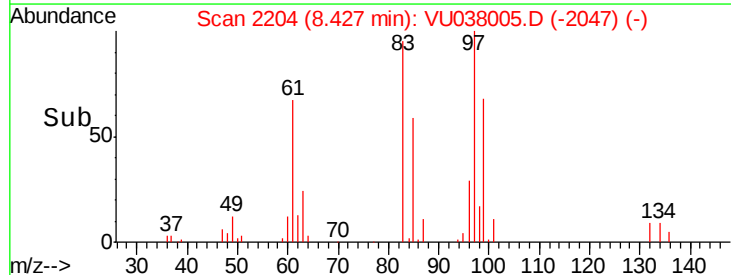
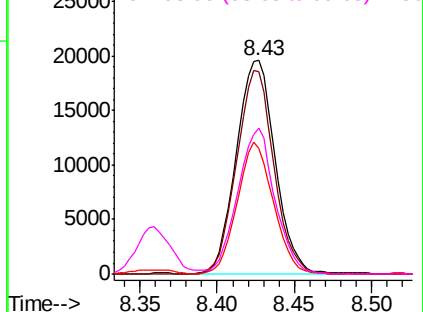
#52

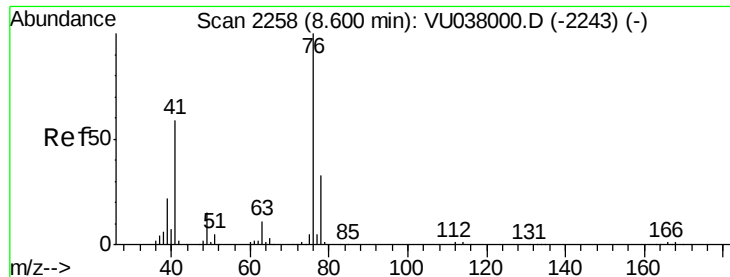
1,1,2-Trichloroethane
 Concen: 1.843 ug/l
 RT: 8.43 min Scan# 2204
 Delta R.T. 0.00 min
 Lab File: VU038005.D
 Acq: 04 May 2020 17:16

Tgt Ion: 97 Resp: 34260
 Ion Ratio Lower Upper
 97 100
 83 94.6 72.4 108.6
 85 58.9 46.0 69.0
 99 68.2 50.4 75.6



Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 84.95 (84.65 to 85.65): VU0
 Ion 98.95 (98.65 to 99.65): VU0





#53

1,3-Dichloropropane

Concen: 1.897 ug/l

RT: 8.60 min Scan# 2258

Delta R.T. 0.00 min

Lab File: VU038005.D

Acq: 04 May 2020 17:16

Instrument :

MSVOA_U

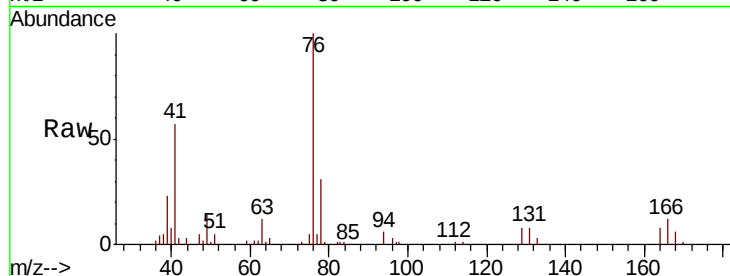
ClientSampleId :

Tot Ion: 76 Resp: 66198

Ion Ratio Lower Upper

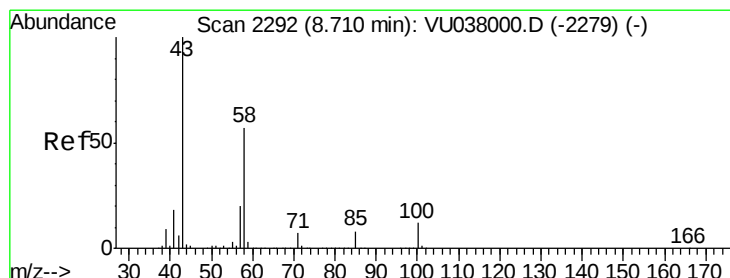
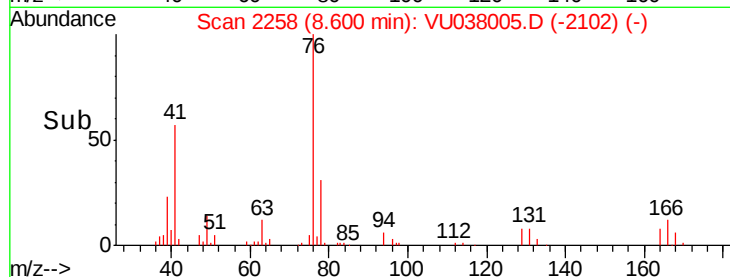
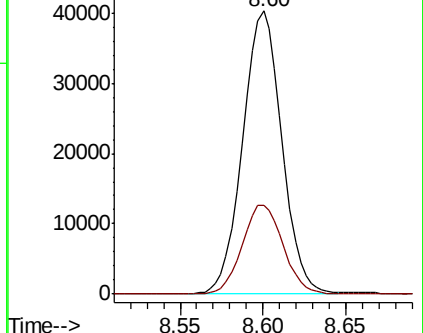
76 100

78 32.7 25.8 38.6



Abundance Ion 76.00 (75.70 to 76.70): VU038000.D (-2243) (-)

Ion 78.00 (77.70 to 78.70): VU038000.D (-2243) (-)



#54

2-Hexanone

Concen: 8.414 ug/l

RT: 8.71 min Scan# 2292

Delta R.T. 0.00 min

Lab File: VU038005.D

Acq: 04 May 2020 17:16

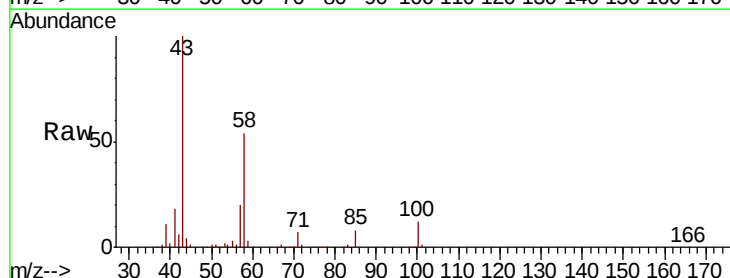
Tgt Ion: 43 Resp: 106252

Ion Ratio Lower Upper

43 100

58 56.4 36.5 76.5

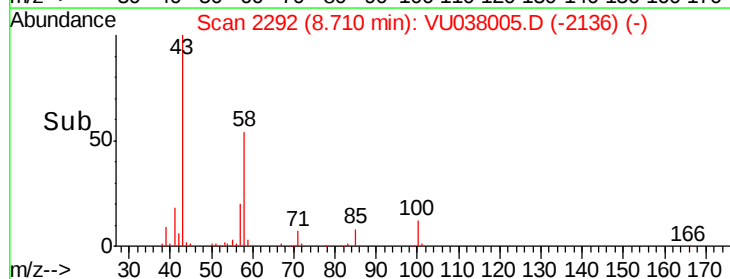
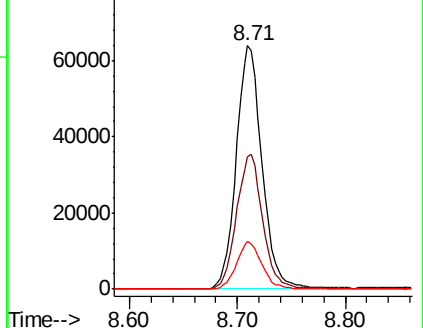
57 19.3 0.0 39.5

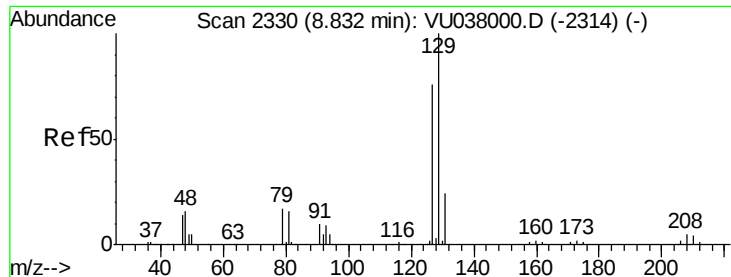


Abundance Ion 43.00 (42.70 to 43.70): VU038000.D (-2279) (-)

Ion 58.00 (57.70 to 58.70): VU038000.D (-2279) (-)

Ion 57.00 (56.70 to 57.70): VU038000.D (-2279) (-)





#55

Dibromochloromethane

Concen: 1.783 ug/l

RT: 8.83 min Scan# 2331

Delta R.T. 0.00 min

Lab File: VU038005.D

Acq: 04 May 2020 17:16

Instrument :

MSVOA_U

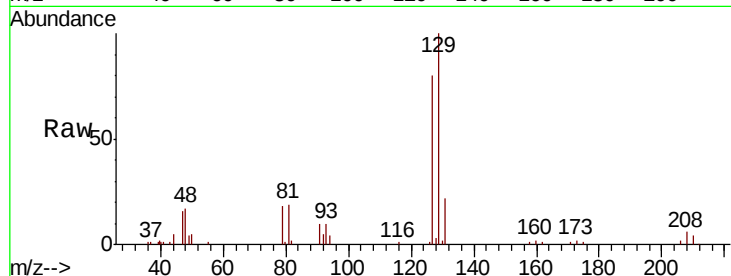
ClientSampleId :

Tot Ion:129 Resp: 36726

Ion Ratio Lower Upper

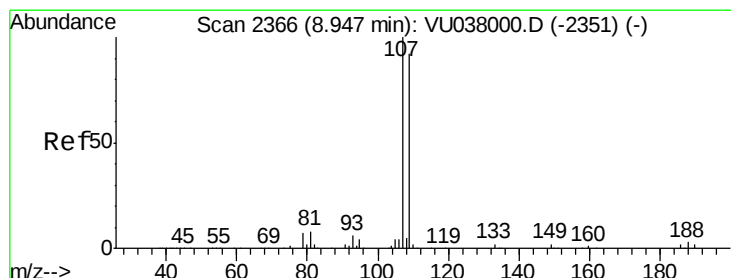
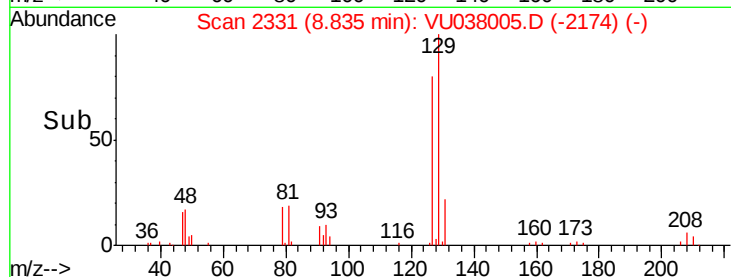
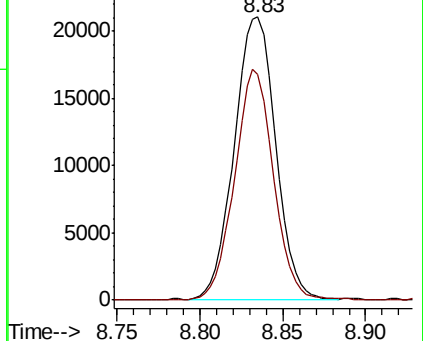
129 100

127 76.5 62.2 93.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 1.811 ug/l

RT: 8.95 min Scan# 2366

Delta R.T. 0.00 min

Lab File: VU038005.D

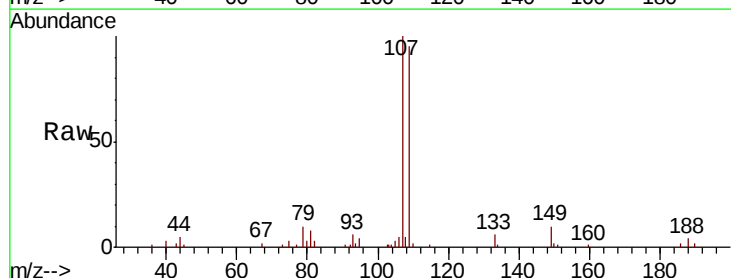
Acq: 04 May 2020 17:16

Tgt Ion:107 Resp: 31748

Ion Ratio Lower Upper

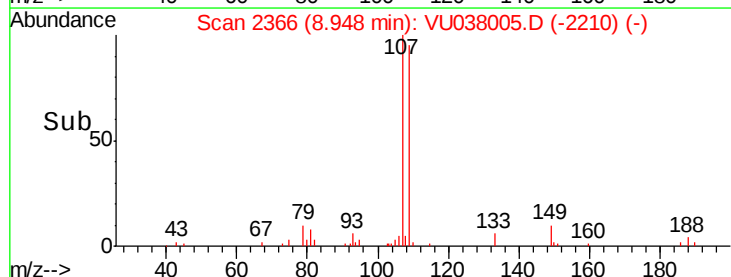
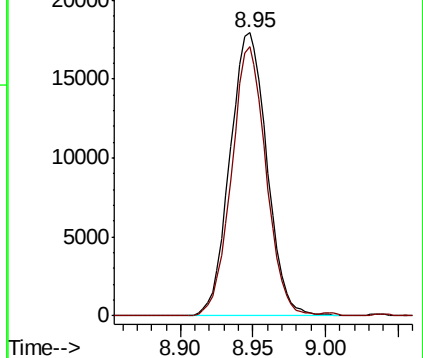
107 100

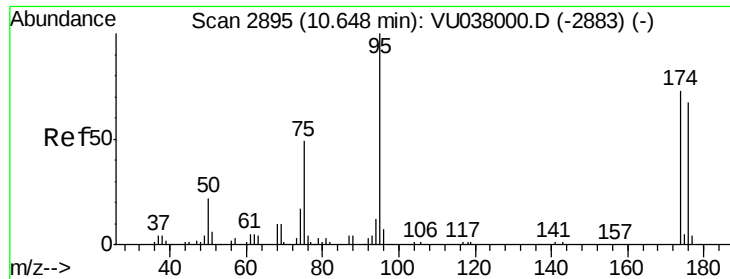
109 88.9 0.0 184.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

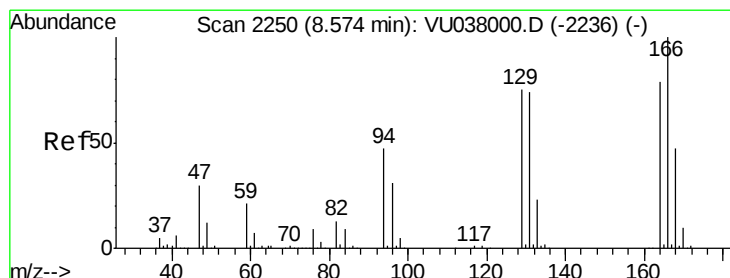
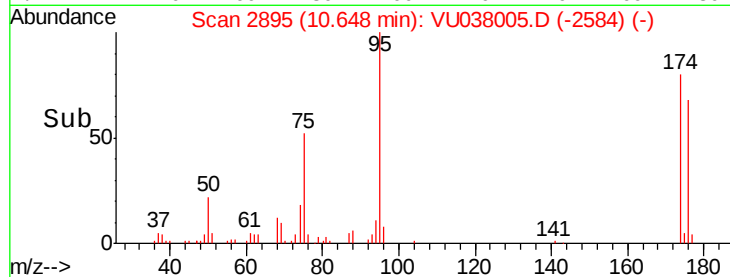
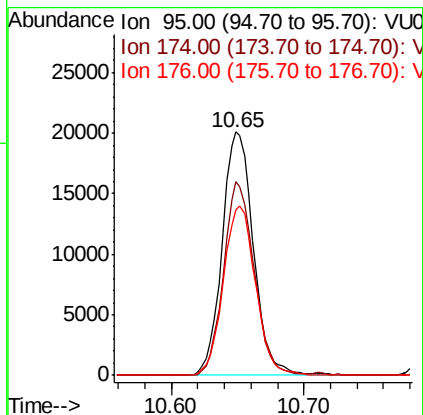
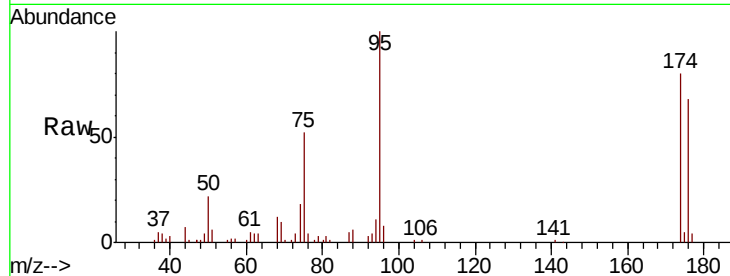




#57
 4-Bromofluorobenzene
 Concen: 0.953 ug/l
 RT: 10.65 min Scan# 2895
 Delta R.T. 0.00 min
 Lab File: VU038005.D
 Acq: 04 May 2020 17:16

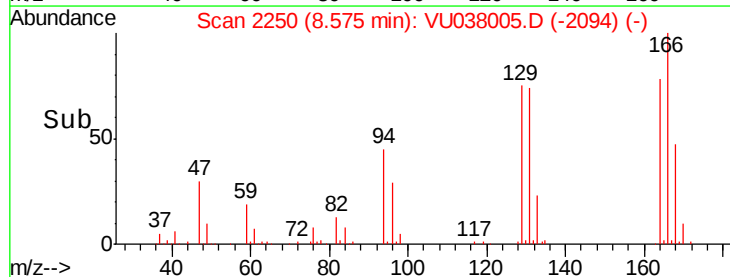
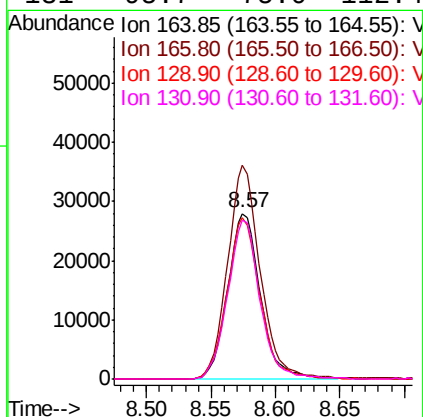
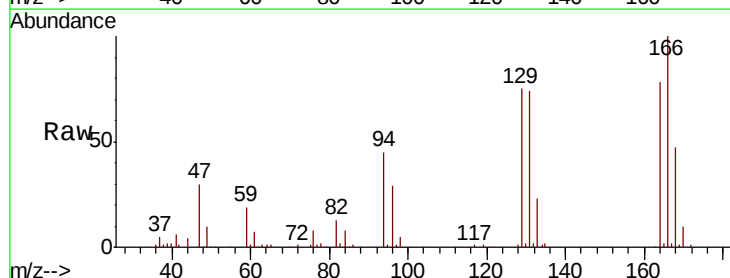
Instrument :
 MSVOA_U
 ClientSampled :

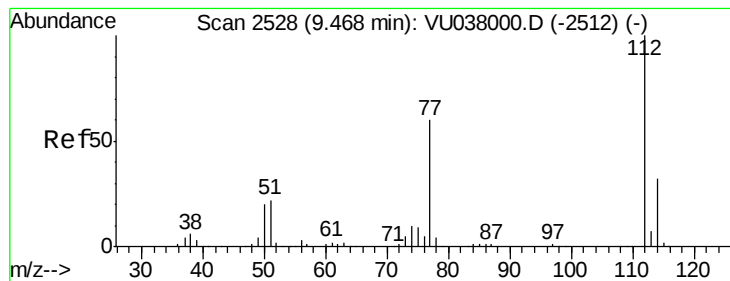
Tot Ion: 95 Resp: 32809
 Ion Ratio Lower Upper
 95 100
 174 78.1 61.2 91.8
 176 71.7 57.1 85.7



#58
 Tetrachloroethene
 Concen: 1.919 ug/l
 RT: 8.57 min Scan# 2250
 Delta R.T. 0.00 min
 Lab File: VU038005.D
 Acq: 04 May 2020 17:16

Tgt Ion: 164 Resp: 49251
 Ion Ratio Lower Upper
 164 100
 166 128.9 101.5 152.3
 129 97.3 76.6 114.8
 131 95.7 75.0 112.4





#59

Chlorobenzene

Concen: 1.862 ug/l

RT: 9.47 min Scan# 2528

Delta R.T. 0.00 min

Lab File: VU038005.D

Acq: 04 May 2020 17:16

Instrument :

MSVOA_U

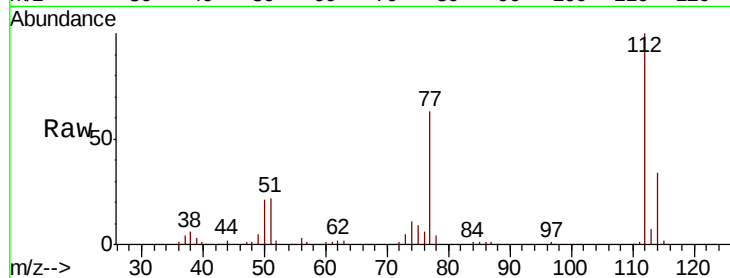
ClientSampleId :

Tot Ion:112 Resp: 130916

Ion Ratio Lower Upper

112 100

114 34.3 25.7 38.5



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

80000

60000

40000

20000

0

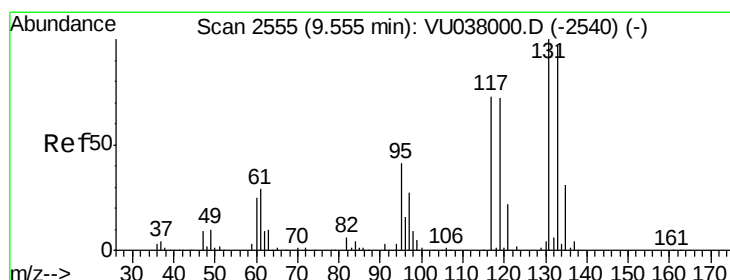
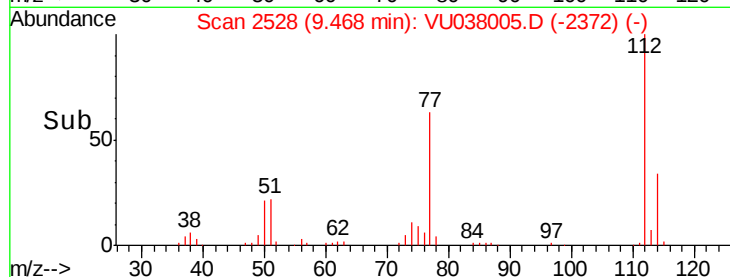
9.47

9.45

9.50

9.55

Time-->



#60

1,1,1,2-Tetrachloroethane

Concen: 1.793 ug/l

RT: 9.56 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VU038005.D

Acq: 04 May 2020 17:16

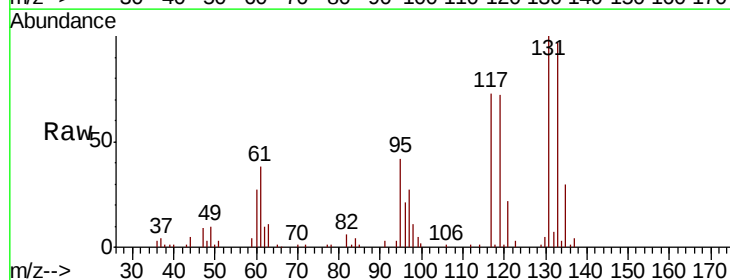
Tgt Ion:131 Resp: 38259

Ion Ratio Lower Upper

131 100

133 98.6 76.8 115.2

119 71.0 56.7 85.1



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

30000

25000

20000

15000

10000

5000

0

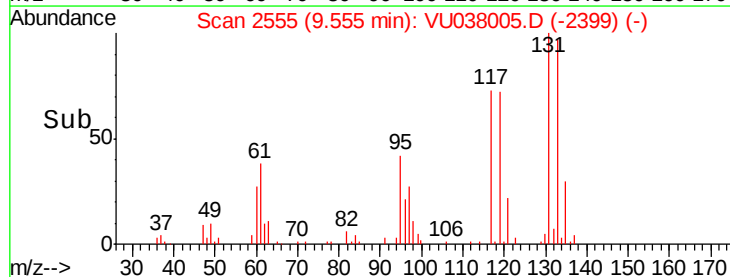
9.56

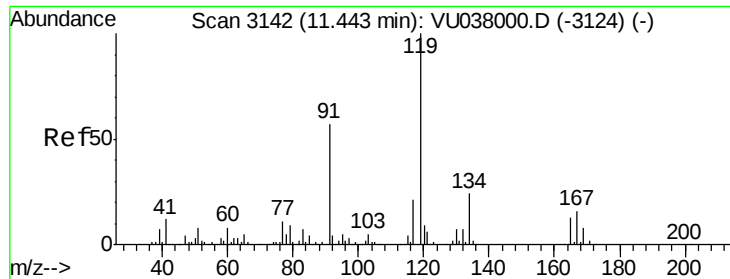
9.50

9.55

9.60

Time-->

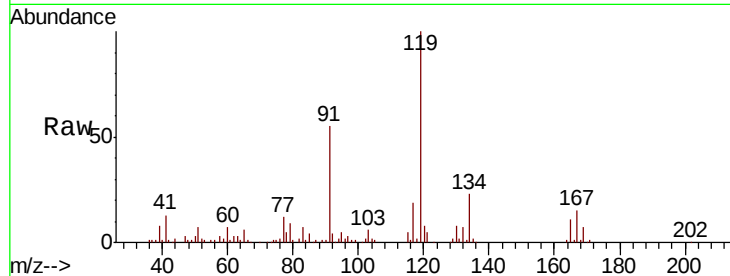




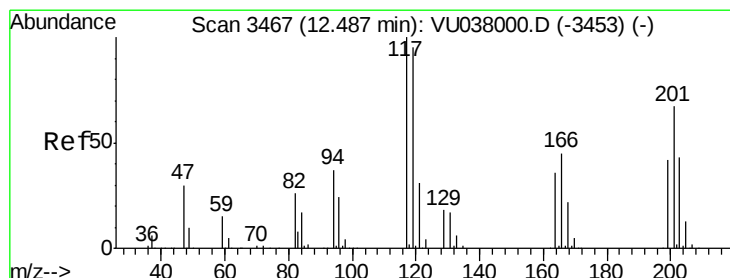
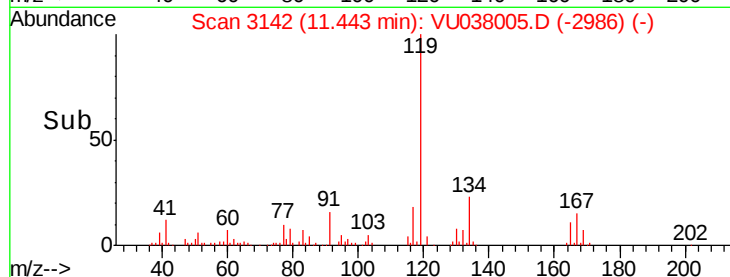
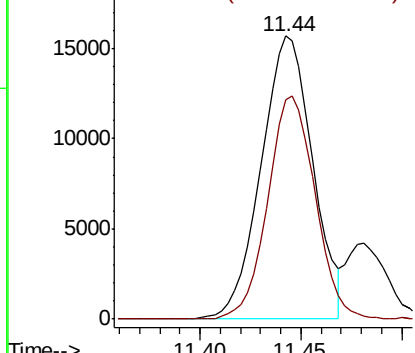
#61
 Pentachloroethane
 Concen: 1.743 ug/l
 RT: 11.44 min Scan# 3142
 Delta R.T. 0.00 min
 Lab File: VU038005.D
 Acq: 04 May 2020 17:16

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:117 Resp: 27871
 Ion Ratio Lower Upper
 117 100
 167 72.2 60.3 90.5

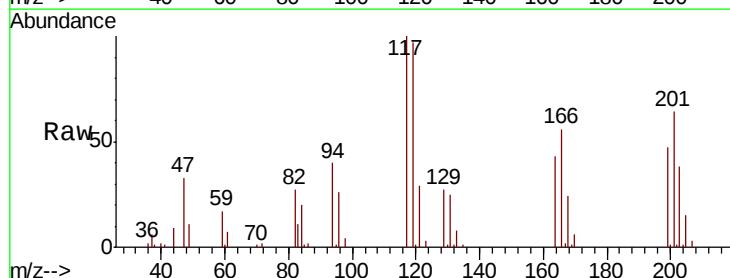


Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 166.70 (166.40 to 167.40): V

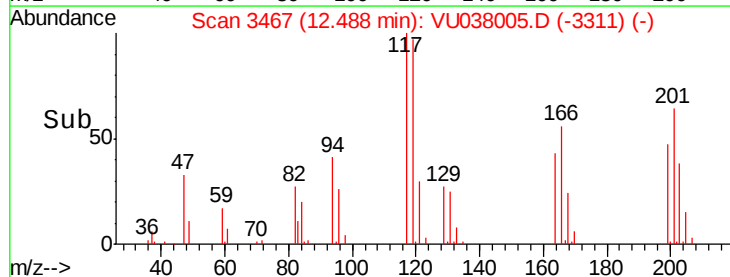
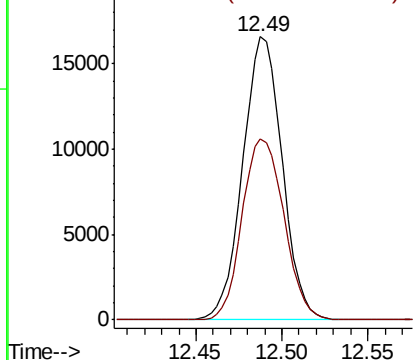


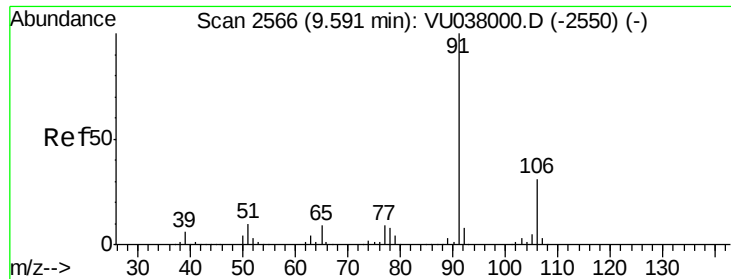
#62
 Hexachloroethane
 Concen: 1.591 ug/l
 RT: 12.49 min Scan# 3467
 Delta R.T. 0.00 min
 Lab File: VU038005.D
 Acq: 04 May 2020 17:16

Tgt Ion:117 Resp: 26473
 Ion Ratio Lower Upper
 117 100
 201 67.6 54.7 82.1



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 200.60 (200.30 to 201.30): V

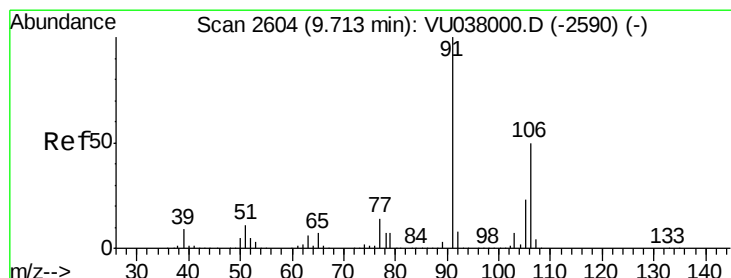
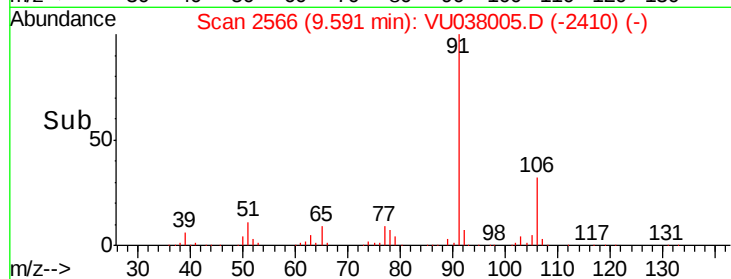
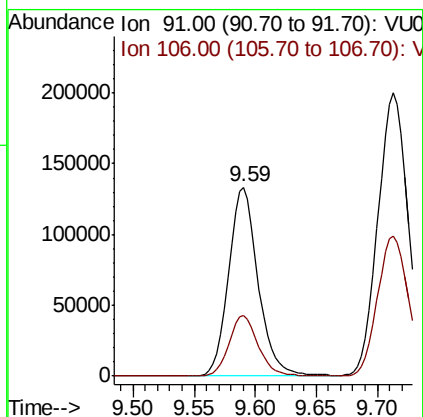
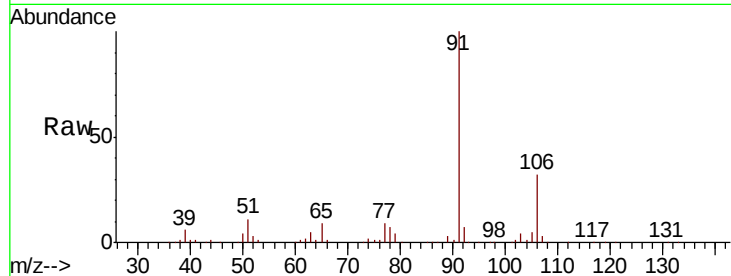




#63
Ethyl Benzene
Concen: 1.806 ug/l
RT: 9.59 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VU038005.D
Acq: 04 May 2020 17:16

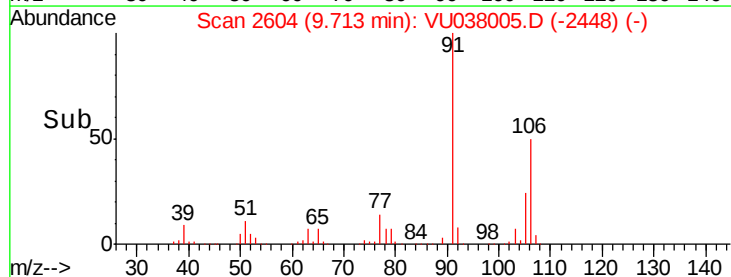
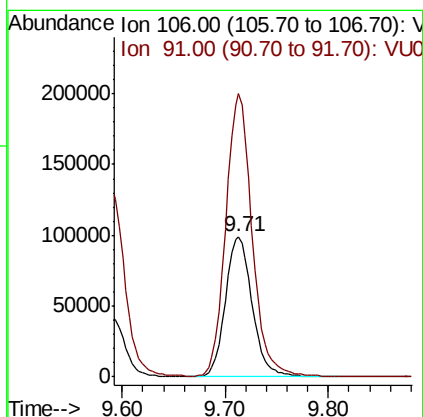
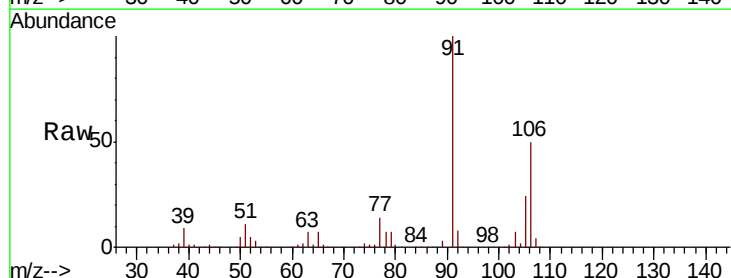
Instrument :
MSVOA_U
ClientSampled :

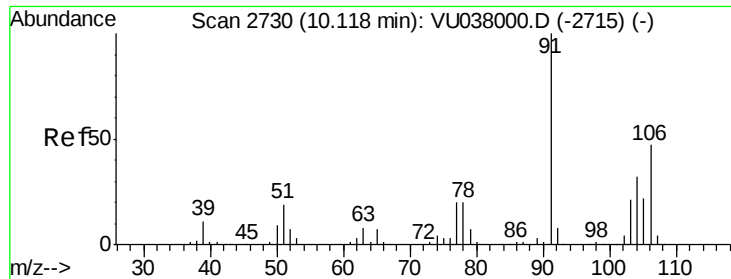
Tot Ion: 91 Resp: 225868
Ion Ratio Lower Upper
91 100
106 32.0 24.9 37.3



#64
m/p-Xylenes
Concen: 3.706 ug/l
RT: 9.71 min Scan# 2604
Delta R.T. 0.00 min
Lab File: VU038005.D
Acq: 04 May 2020 17:16

Tgt Ion: 106 Resp: 178399
Ion Ratio Lower Upper
106 100
91 198.2 159.5 239.3

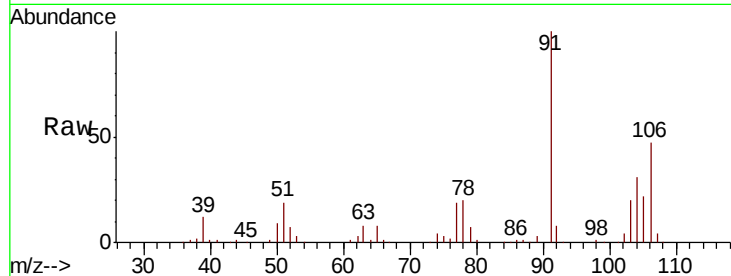




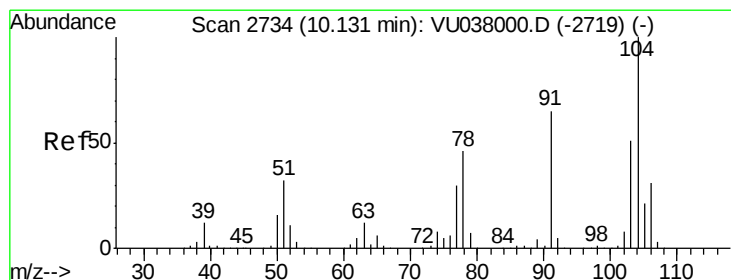
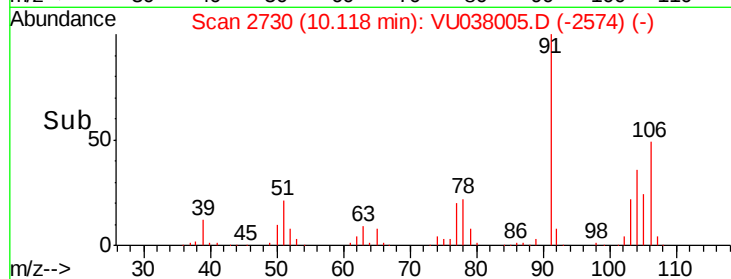
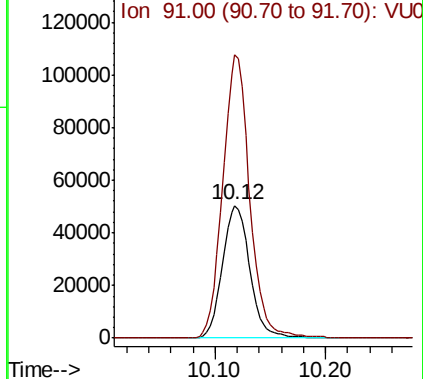
#65
o-Xylene
Concen: 1.853 ug/l
RT: 10.12 min Scan# 2730
Delta R.T. 0.00 min
Lab File: VU038005.D
Acq: 04 May 2020 17:16

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 86934
Ion Ratio Lower Upper
106 100
91 210.6 105.7 317.0

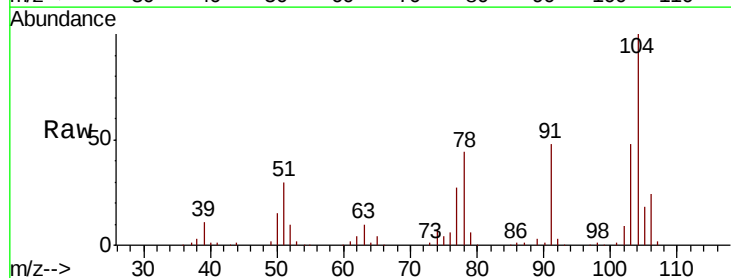


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

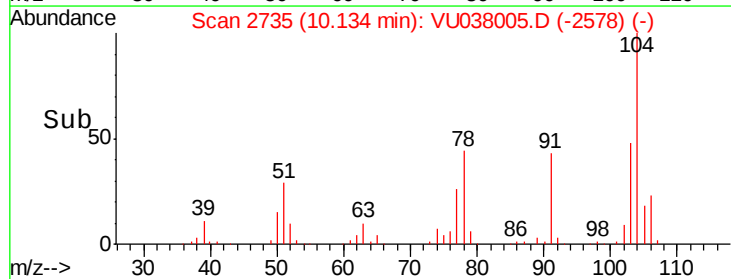
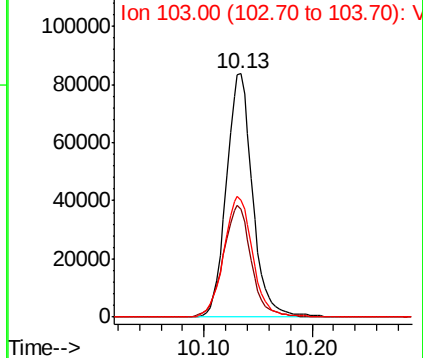


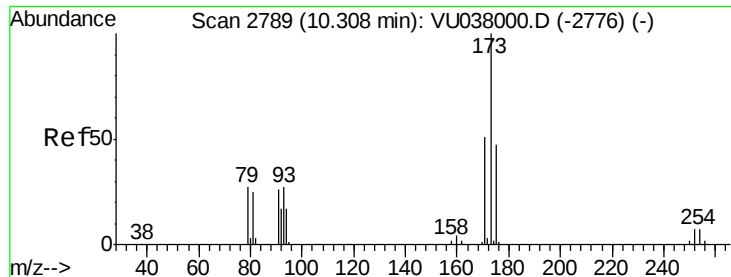
#66
Styrene
Concen: 1.833 ug/l
RT: 10.13 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VU038005.D
Acq: 04 May 2020 17:16

Tgt Ion:104 Resp: 141740
Ion Ratio Lower Upper
104 100
78 48.9 39.9 59.9
103 54.3 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

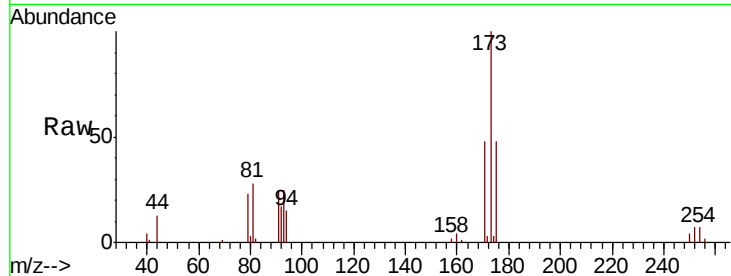




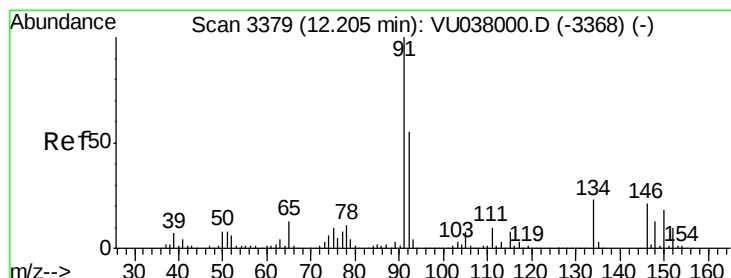
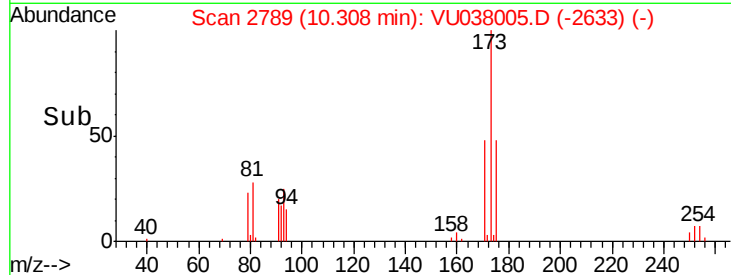
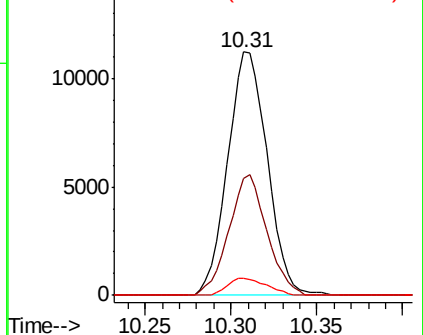
#67
Bromoform
Concen: 1.659 ug/l
RT: 10.31 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VU038005.D
Acq: 04 May 2020 17:16

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:173 Resp: 17975
Ion Ratio Lower Upper
173 100
175 47.6 37.6 56.4
254 6.9 5.5 8.3

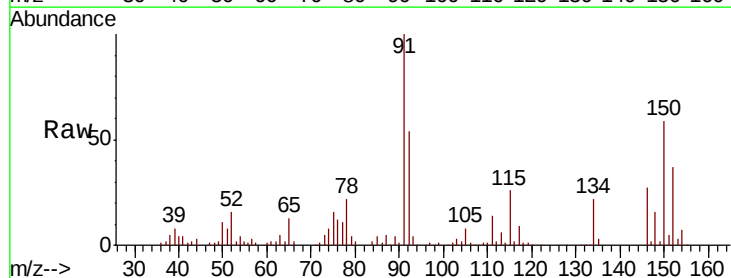


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V

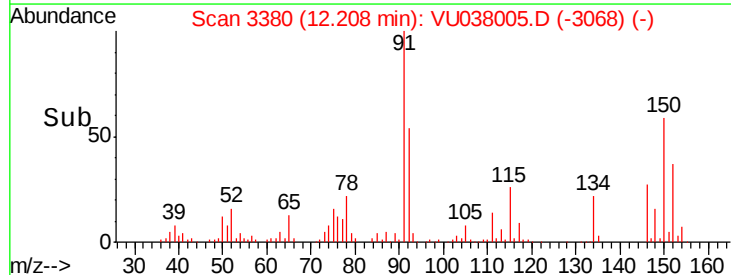
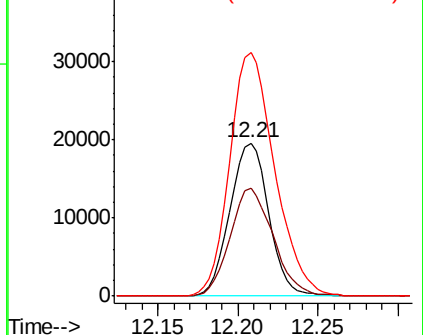


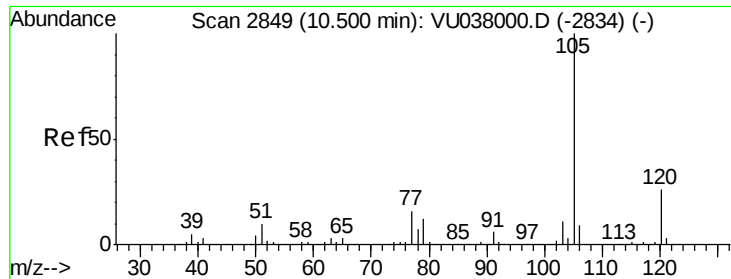
#68
1,2-Dichlorobenzene-d4
Concen: 0.968 ug/l
RT: 12.21 min Scan# 3380
Delta R.T. 0.00 min
Lab File: VU038005.D
Acq: 04 May 2020 17:16

Tgt Ion:152 Resp: 32282
Ion Ratio Lower Upper
152 100
115 78.4 0.0 261.0
150 185.0 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: 1.860 ug/l

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU038005.D

Acq: 04 May 2020 17:16

Instrument :

MSVOA_U

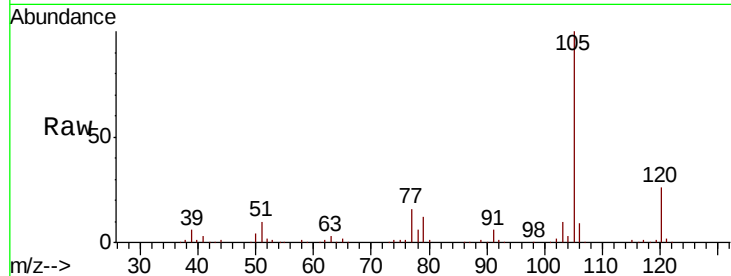
ClientSampled :

Tot Ion:105 Resp: 227959

Ion Ratio Lower Upper

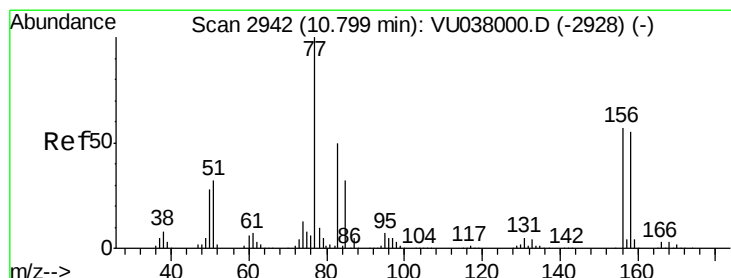
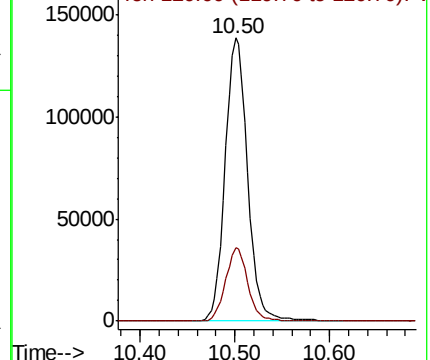
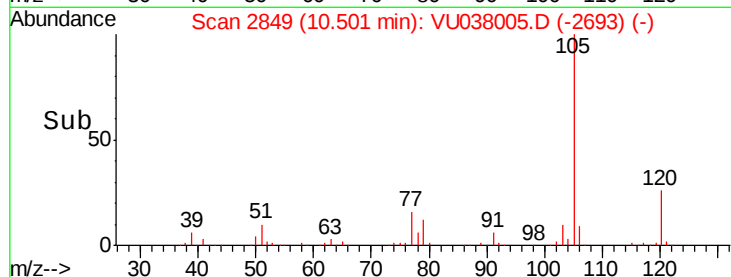
105 100

120 25.7 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#70

1,1,2,2-Tetrachloroethane

Concen: 1.723 ug/l

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU038005.D

Acq: 04 May 2020 17:16

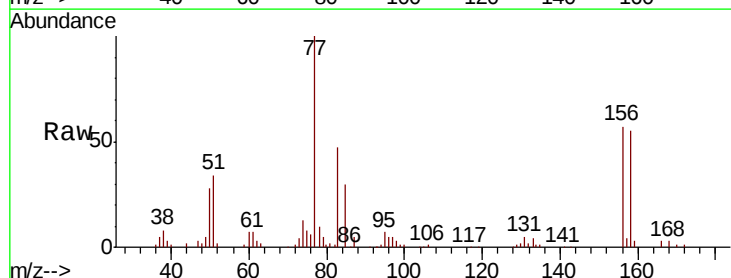
Tgt Ion: 83 Resp: 41046

Ion Ratio Lower Upper

83 100

131 9.6 7.2 10.8

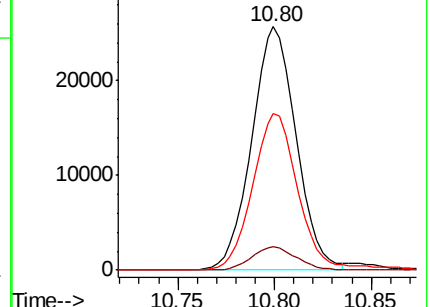
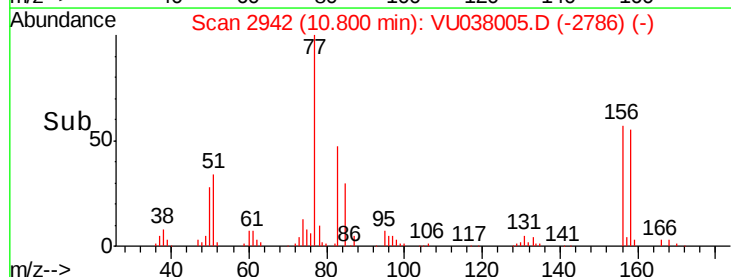
85 65.8 50.0 75.0

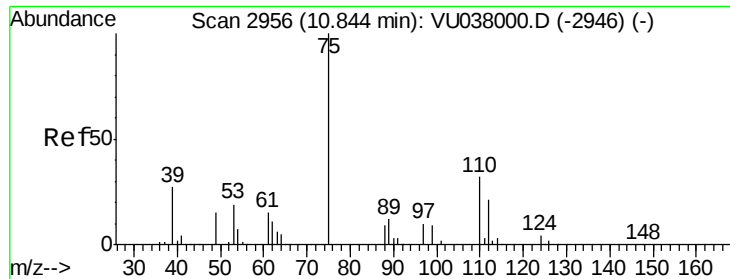


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0

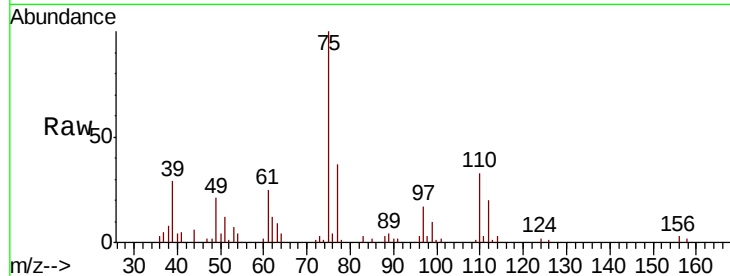




#71
 1,2,3-Trichloropropane
 Concen: 2.985 ug/l
 RT: 10.84 min Scan# 2955
 Delta R.T. -0.00 min
 Lab File: VU038005.D
 Acq: 04 May 2020 17:16

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:	75	Resp:	52591
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	108.6
110	22.4	0.0	79.4
97	10.9	0.0	40.4



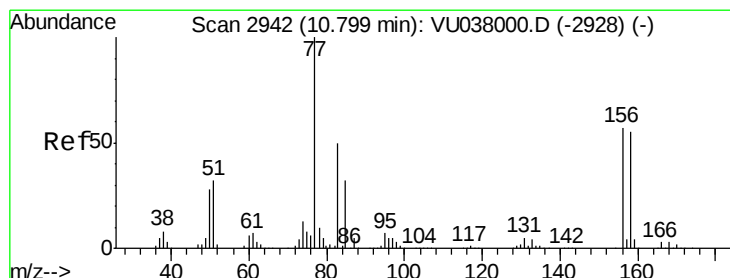
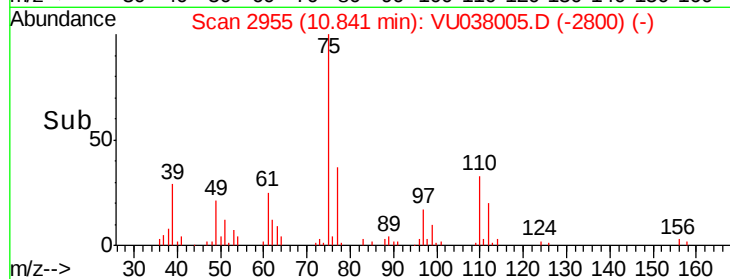
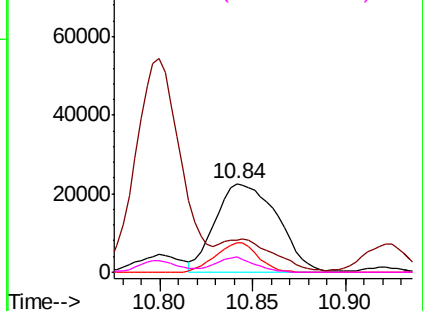
Abundance

Ion 75.00 (74.70 to 75.70): VU038000.D (-2946) (-)

Ion 77.00 (76.70 to 77.70): VU038000.D (-2946) (-)

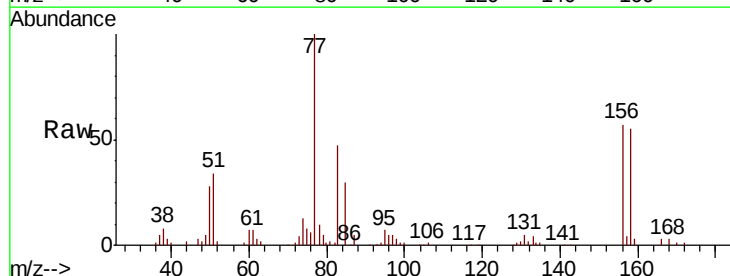
Ion 110.00 (109.70 to 110.70): VU038000.D (-2946) (-)

Ion 97.00 (96.70 to 97.70): VU038000.D (-2946) (-)



#72
 Bromobenzene
 Concen: 1.865 ug/l
 RT: 10.80 min Scan# 2942
 Delta R.T. 0.00 min
 Lab File: VU038005.D
 Acq: 04 May 2020 17:16

Tgt Ion:	156	Resp:	51057
Ion	Ratio	Lower	Upper
156	100		
77	180.4	0.0	355.6
158	97.7	0.0	194.0

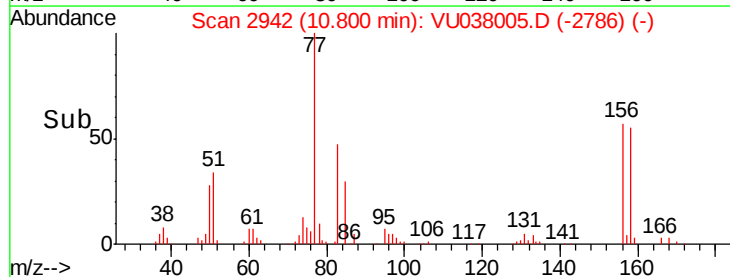
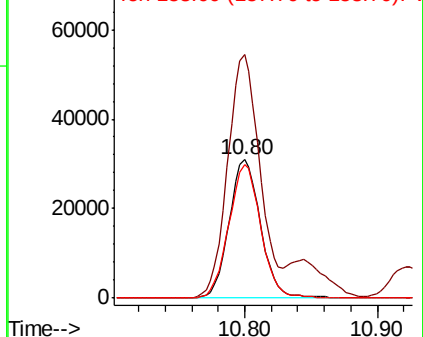


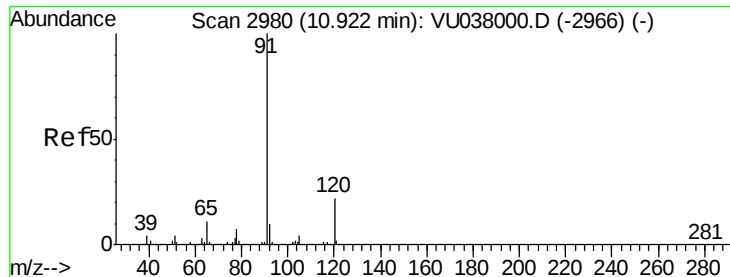
Abundance

Ion 156.00 (155.70 to 156.70): VU038000.D (-2928) (-)

Ion 77.00 (76.70 to 77.70): VU038000.D (-2928) (-)

Ion 158.00 (157.70 to 158.70): VU038000.D (-2928) (-)





#73

n-propylbenzene

Concen: 1.885 ug/l

RT: 10.92 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU038005.D

Acq: 04 May 2020 17:16

Instrument :

MSVOA_U

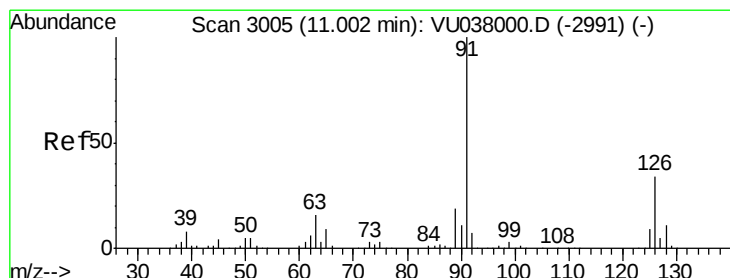
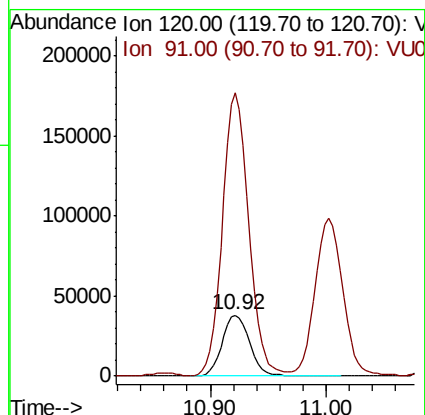
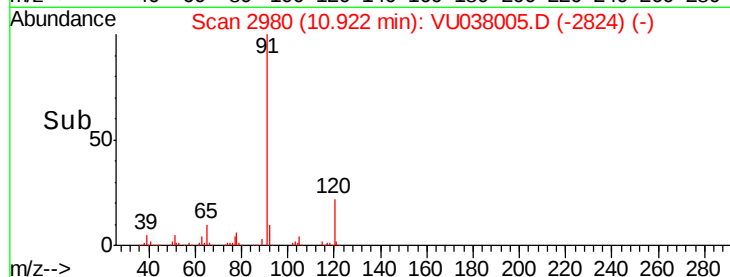
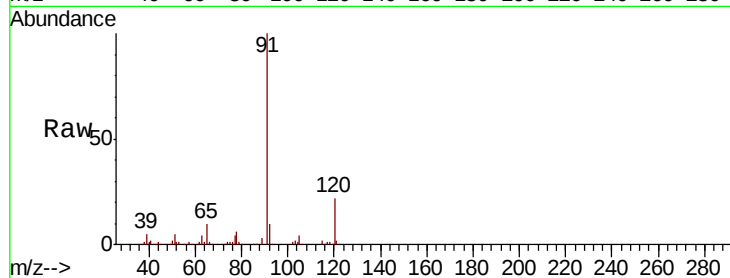
ClientSampleId :

Tot Ion:120 Resp: 63368

Ion Ratio Lower Upper

120 100

91 436.3 355.4 533.0



#74

2-Chlorotoluene

Concen: 1.876 ug/l

RT: 11.00 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VU038005.D

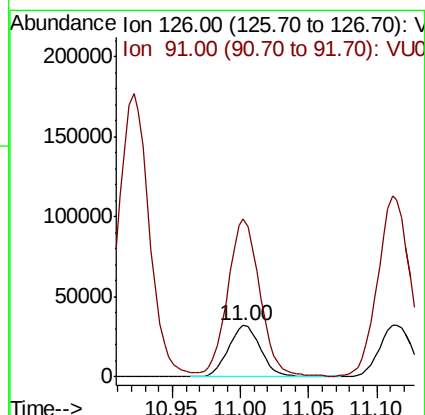
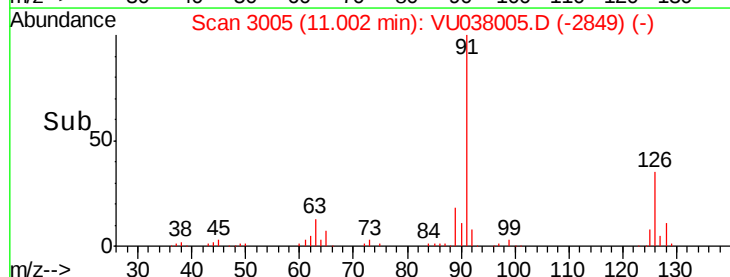
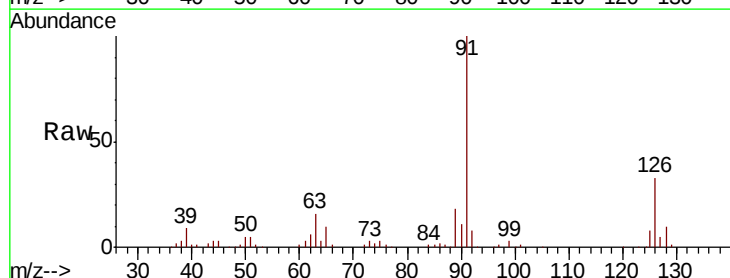
Acq: 04 May 2020 17:16

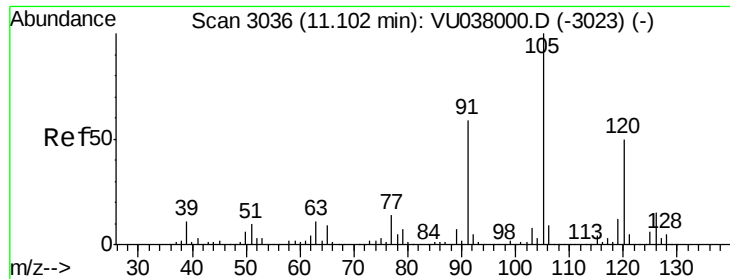
Tgt Ion:126 Resp: 52959

Ion Ratio Lower Upper

126 100

91 307.6 0.0 625.8





#75

1,3,5-Trimethylbenzene

Concen: 1.834 ug/l

RT: 11.10 min Scan# 3036

Delta R.T. 0.00 min

Lab File: VU038005.D

Acq: 04 May 2020 17:16

Instrument :

MSVOA_U

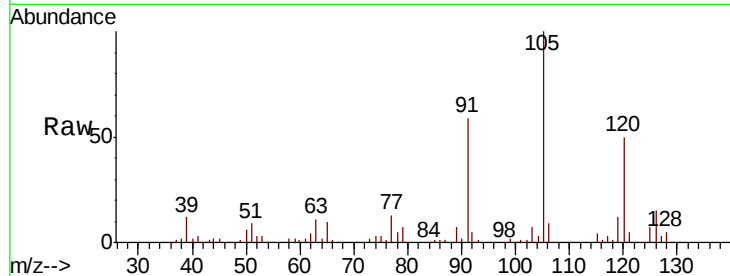
ClientSampleId :

Tot Ion:105 Resp: 185983

Ion Ratio Lower Upper

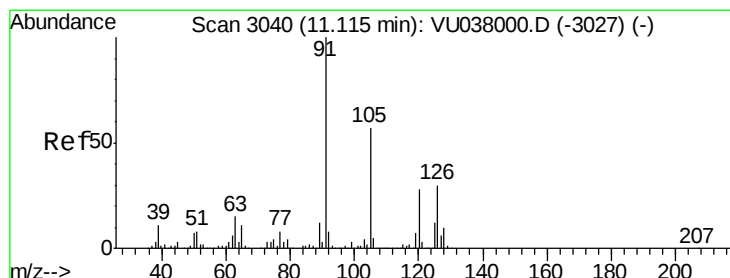
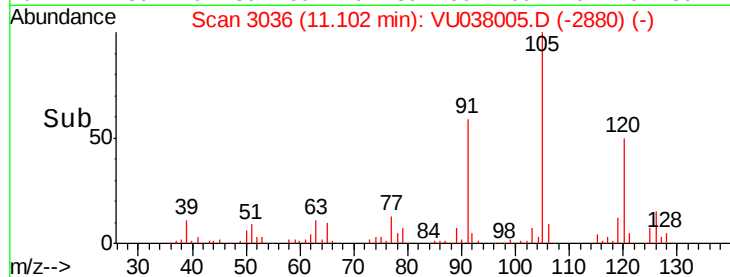
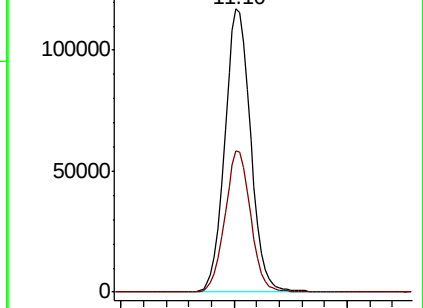
105 100

120 49.5 39.8 59.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 1.841 ug/l

RT: 11.11 min Scan# 3040

Delta R.T. 0.00 min

Lab File: VU038005.D

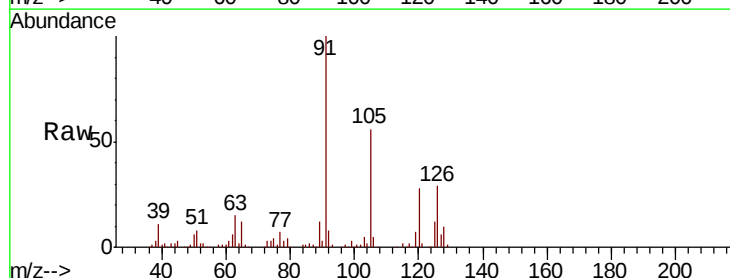
Acq: 04 May 2020 17:16

Tgt Ion:126 Resp: 53962

Ion Ratio Lower Upper

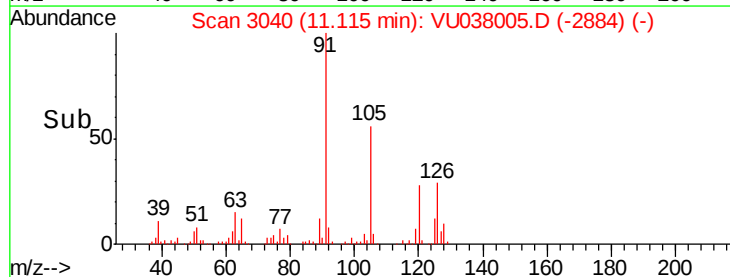
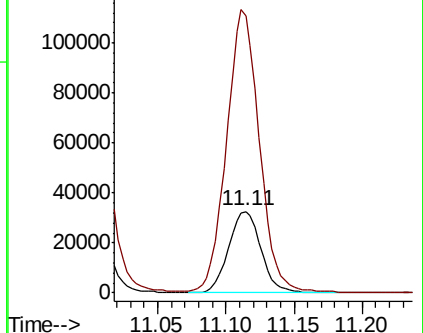
126 100

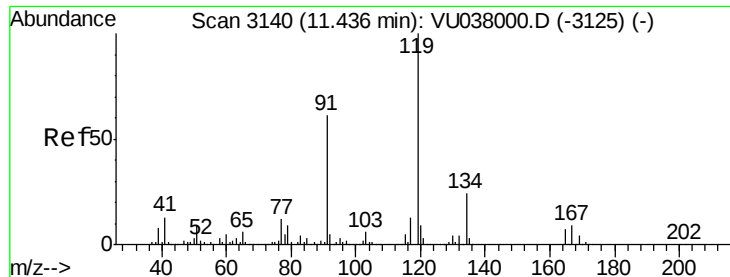
91 352.9 0.0 698.6



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

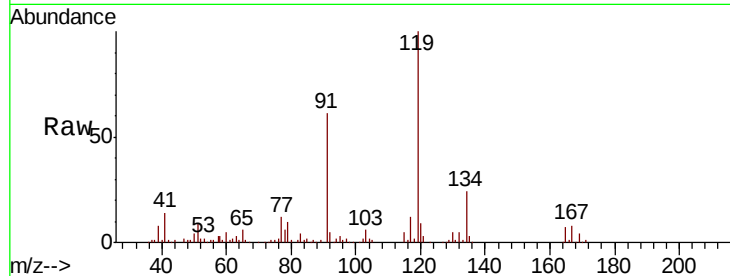




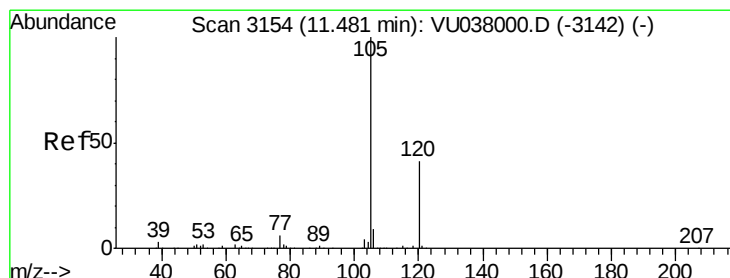
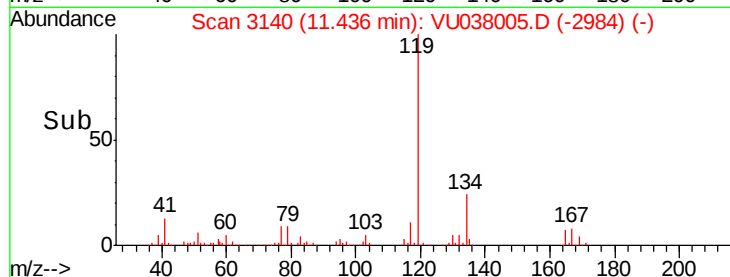
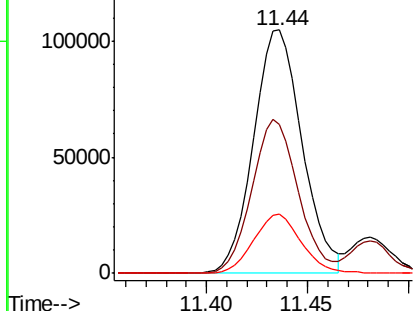
#77
tert-Butylbenzene
Concen: 1.826 ug/l
RT: 11.44 min Scan# 3140
Delta R.T. 0.00 min
Lab File: VU038005.D
Acq: 04 May 2020 17:16

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:119 Resp: 176269
Ion Ratio Lower Upper
119 100
91 60.0 30.1 90.5
134 23.9 19.0 28.6

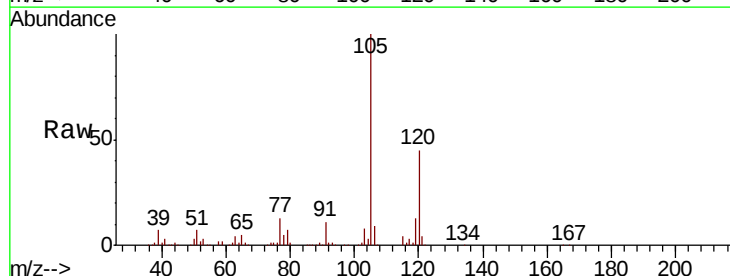


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

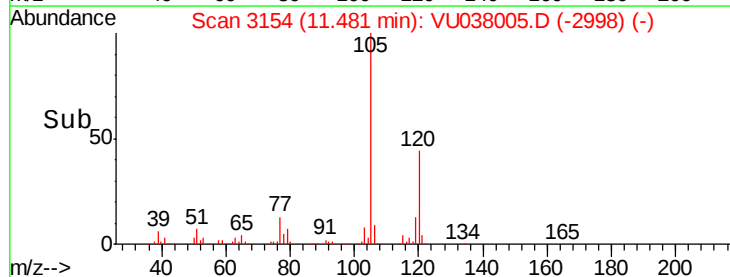
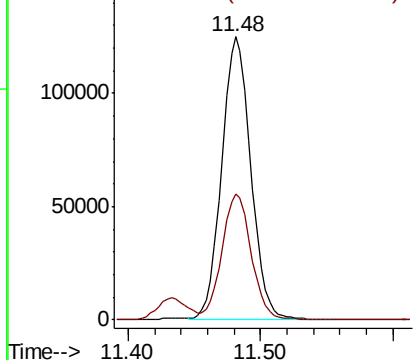


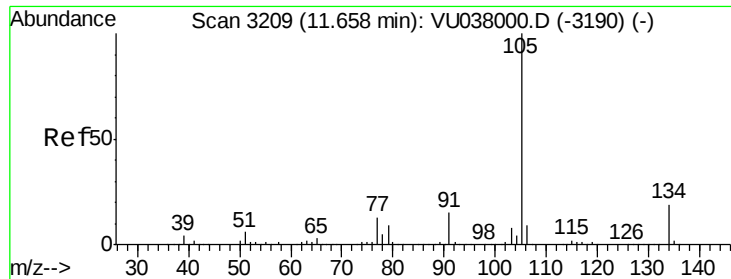
#78
1,2,4-Trimethylbenzene
Concen: 1.825 ug/l
RT: 11.48 min Scan# 3154
Delta R.T. 0.00 min
Lab File: VU038005.D
Acq: 04 May 2020 17:16

Tgt Ion:105 Resp: 190600
Ion Ratio Lower Upper
105 100
120 44.9 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: 1.830 ug/l

RT: 11.66 min Scan# 3209

Delta R.T. 0.00 min

Lab File: VU038005.D

Acq: 04 May 2020 17:16

Instrument :

MSVOA_U

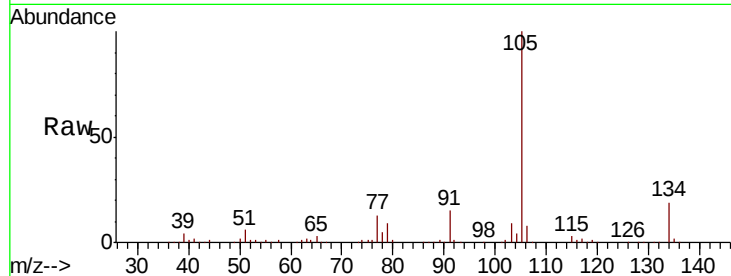
ClientSampleId :

Tot Ion:105 Resp: 253075

Ion Ratio Lower Upper

105 100

134 18.9 15.4 23.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.66

150000

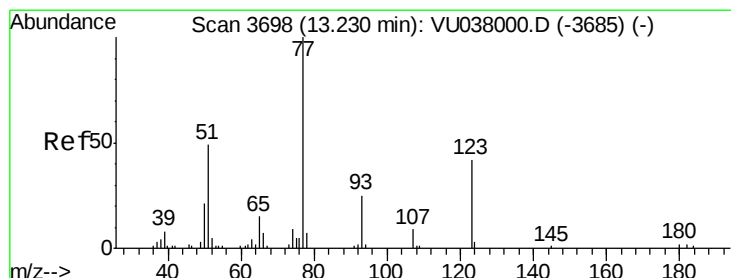
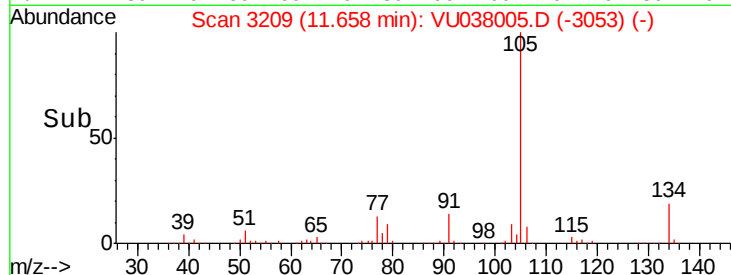
100000

50000

0

Time-->

11.60 11.70



#80

Nitrobenzene

Concen: 6.540 ug/l

RT: 13.23 min Scan# 3698

Delta R.T. 0.00 min

Lab File: VU038005.D

Acq: 04 May 2020 17:16

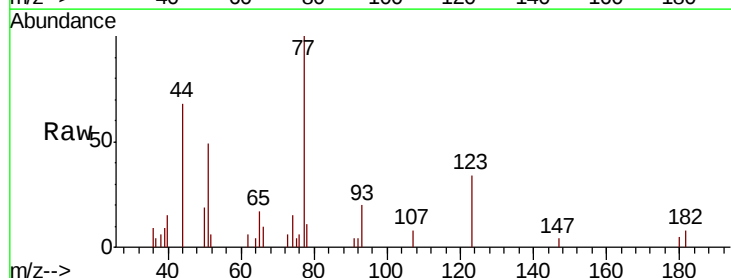
Tgt Ion: 77 Resp: 4619

Ion Ratio Lower Upper

77 100

123 37.8 17.6 62.6

65 15.2 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

13.23

3000

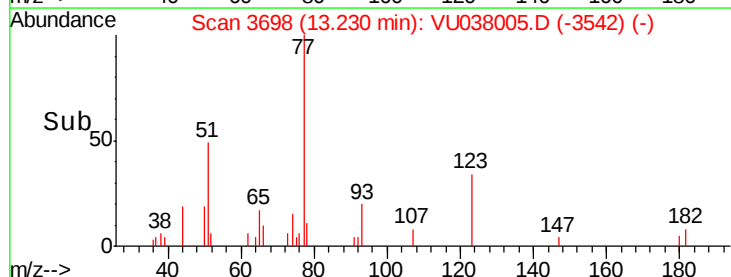
2000

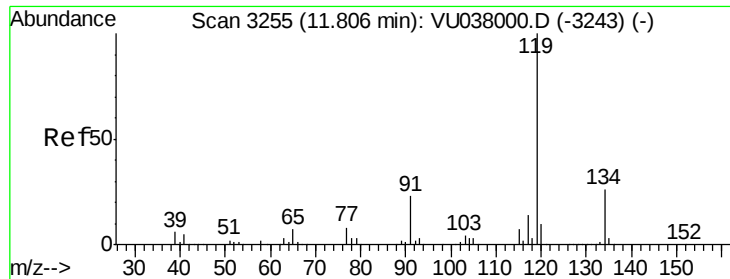
1000

0

Time-->

13.20 13.25

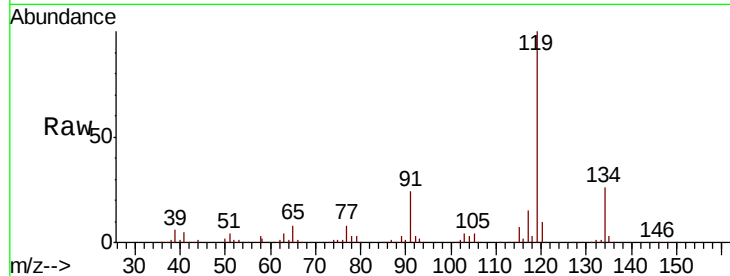




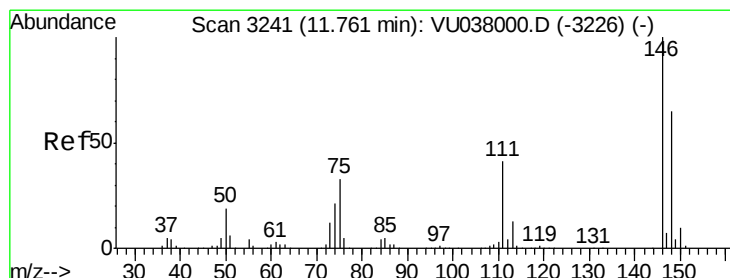
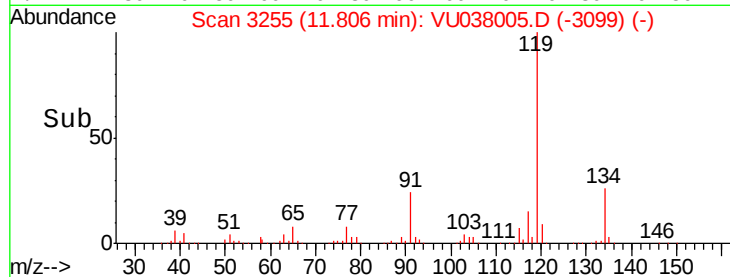
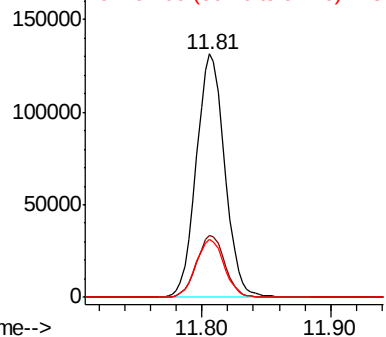
#81
 p-Isopropyltoluene
 Concen: 1.795 ug/l
 RT: 11.81 min Scan# 3255
 Delta R.T. 0.00 min
 Lab File: VU038005.D
 Acq: 04 May 2020 17:16

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.5	20.6	31.0
91	24.1	18.6	28.0

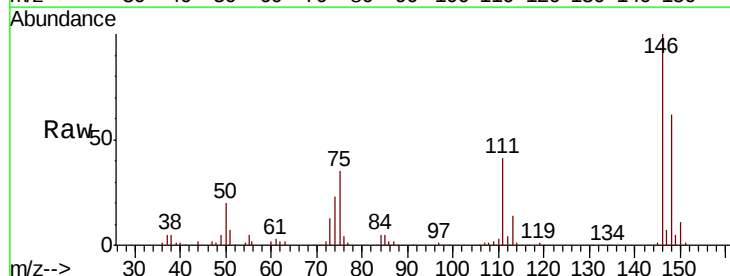


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

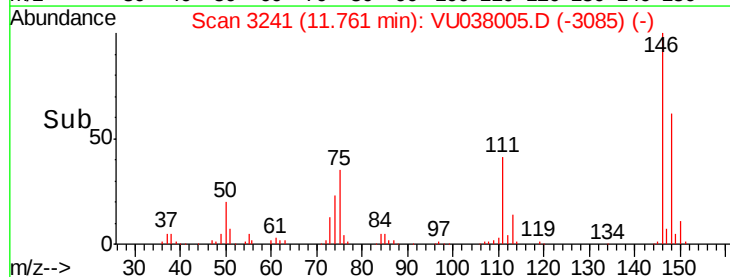
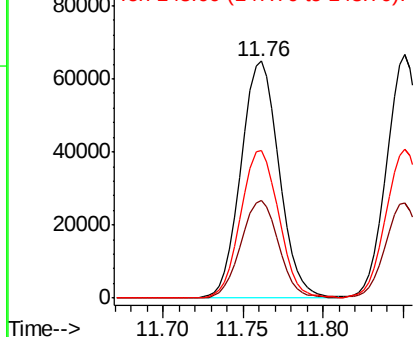


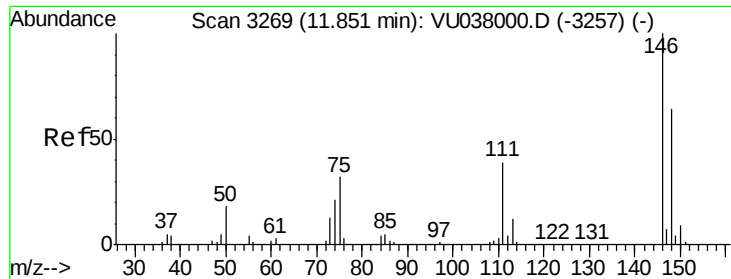
#82
 1,3-Dichlorobenzene
 Concen: 1.862 ug/l
 RT: 11.76 min Scan# 3241
 Delta R.T. 0.00 min
 Lab File: VU038005.D
 Acq: 04 May 2020 17:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	33.0	49.4
148	62.3	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

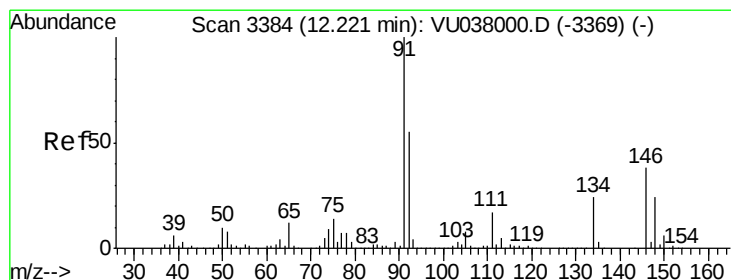
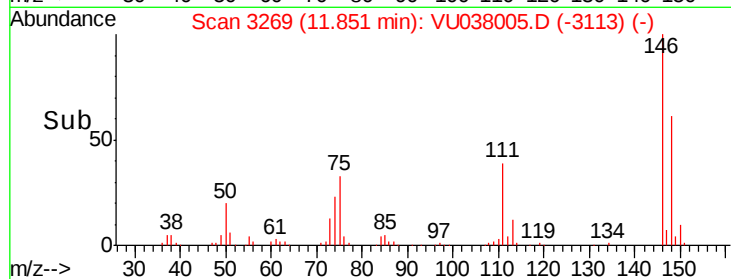
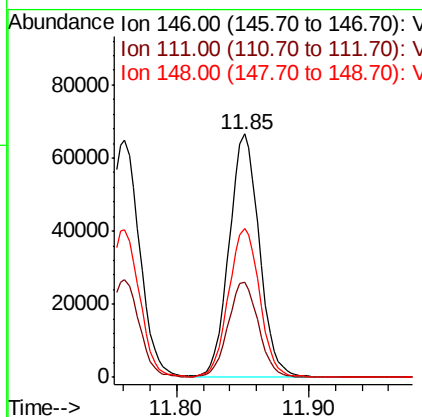
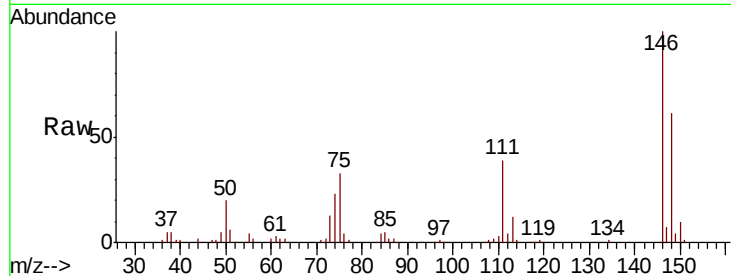




#83
 1,4-Dichlorobenzene
 Concen: 1.841 ug/l
 RT: 11.85 min Scan# 3269
 Delta R.T. 0.00 min
 Lab File: VU038005.D
 Acq: 04 May 2020 17:16

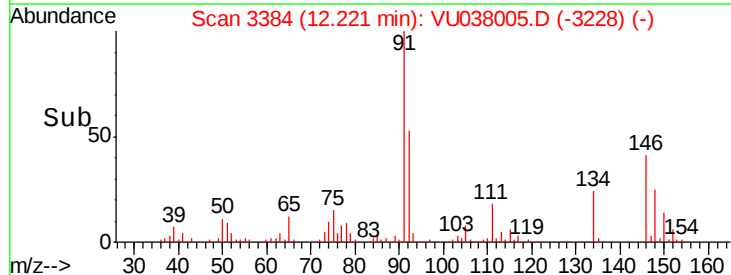
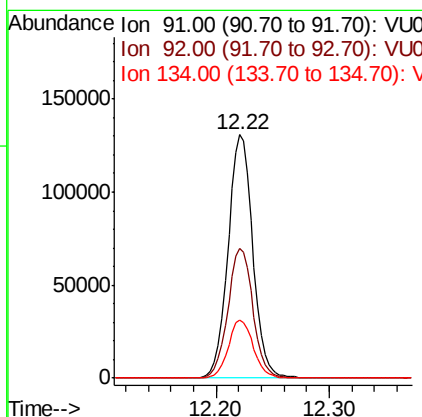
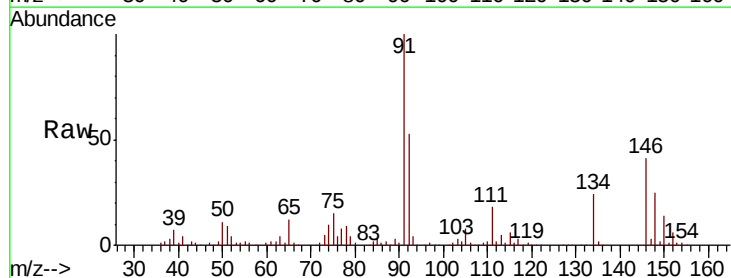
Instrument :
 MSVOA_U
 ClientSampled :

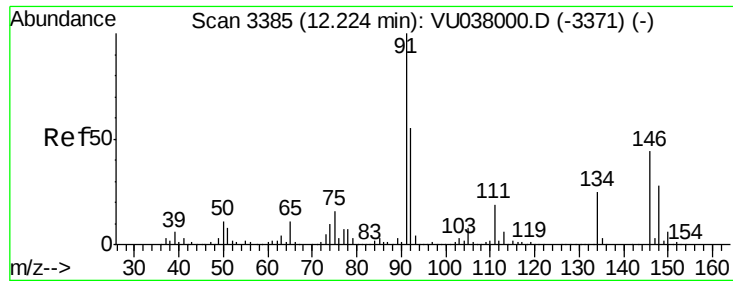
Tot Ion:146 Resp: 105595
 Ion Ratio Lower Upper
 146 100
 111 39.7 31.8 47.6
 148 63.0 51.2 76.8



#84
 n-Butylbenzene
 Concen: 1.779 ug/l
 RT: 12.22 min Scan# 3384
 Delta R.T. 0.00 min
 Lab File: VU038005.D
 Acq: 04 May 2020 17:16

Tgt Ion: 91 Resp: 198229
 Ion Ratio Lower Upper
 91 100
 92 54.1 43.8 65.6
 134 24.0 19.4 29.2

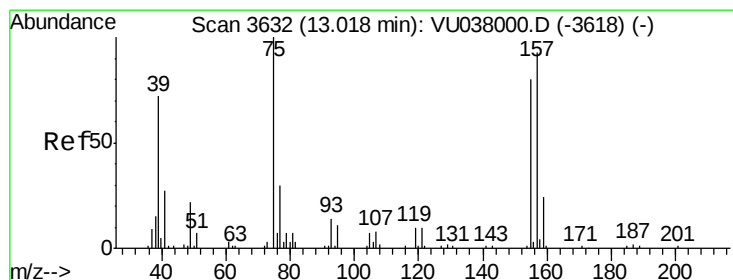
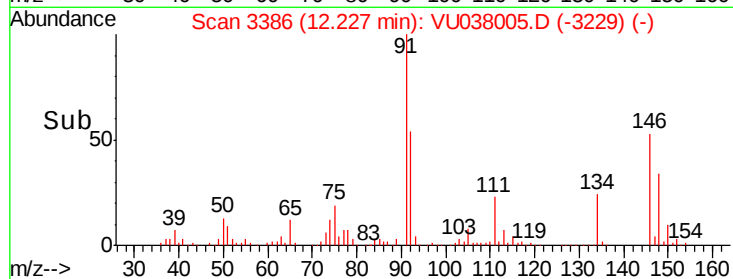
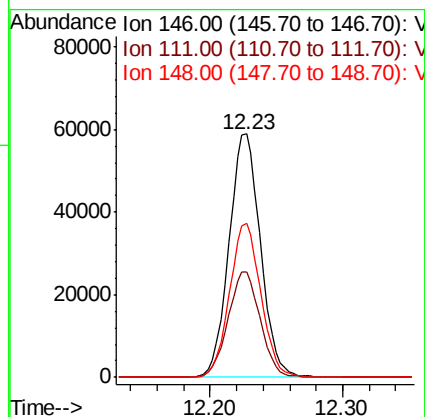
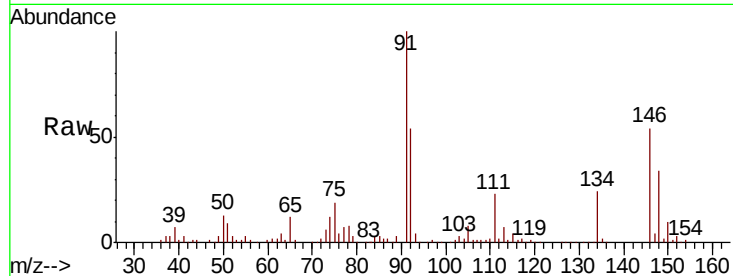




#85
 1,2-Dichlorobenzene
 Concen: 1.837 ug/l
 RT: 12.23 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU038005.D
 Acq: 04 May 2020 17:16

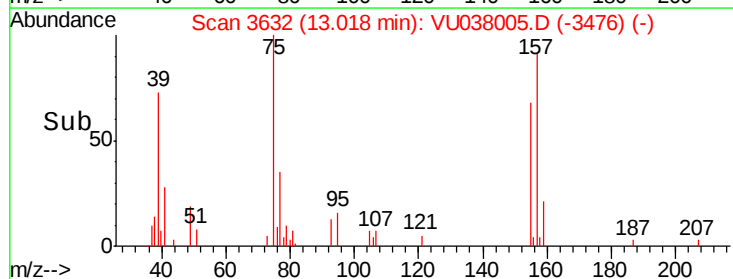
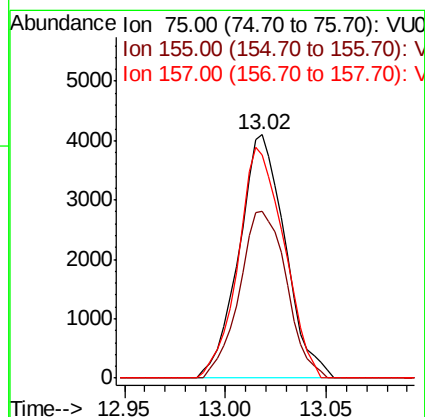
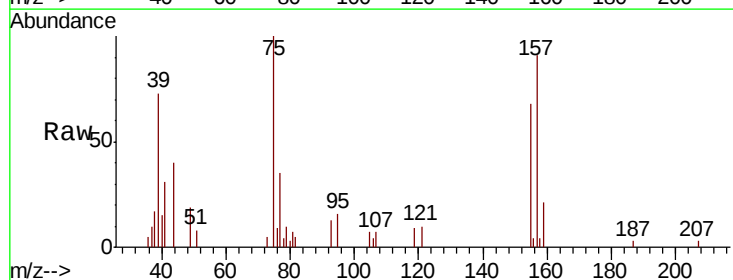
Instrument :
 MSVOA_U
 ClientSampleId :

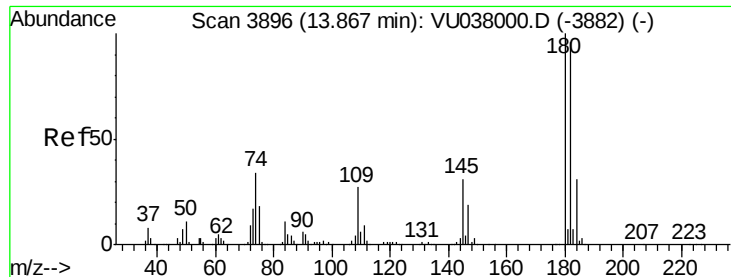
Tot Ion:146 Resp: 96897
 Ion Ratio Lower Upper
 146 100
 111 44.4 21.9 65.8
 148 63.1 31.8 95.4



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 1.751 ug/l
 RT: 13.02 min Scan# 3632
 Delta R.T. 0.00 min
 Lab File: VU038005.D
 Acq: 04 May 2020 17:16

Tgt Ion: 75 Resp: 6568
 Ion Ratio Lower Upper
 75 100
 155 69.9 60.9 91.3
 157 94.3 78.1 117.1

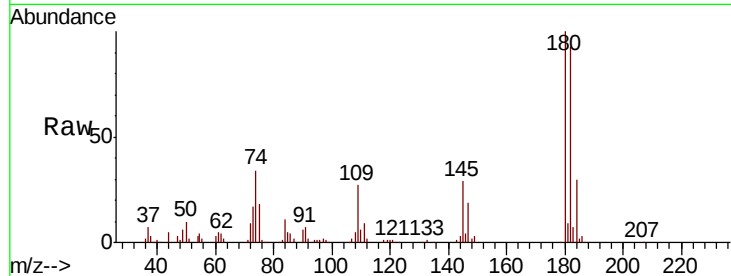




#87
 1,2,4-Trichlorobenzene
 Concen: 1.744 ug/l
 RT: 13.87 min Scan# 3896
 Delta R.T. 0.00 min
 Lab File: VU038005.D
 Acq: 04 May 2020 17:16

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.9	115.3
145	29.0	24.7	37.1

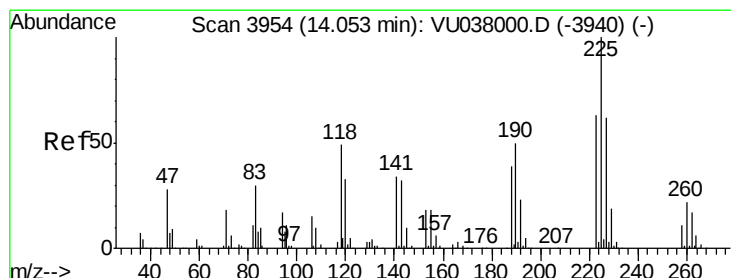
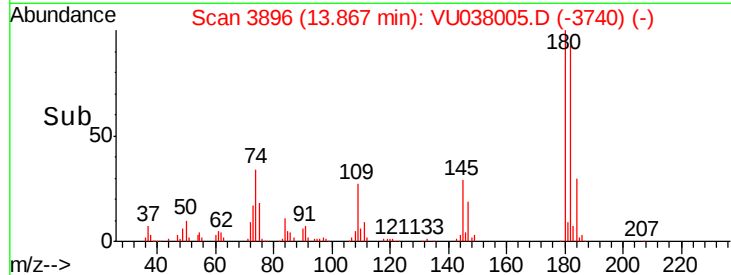
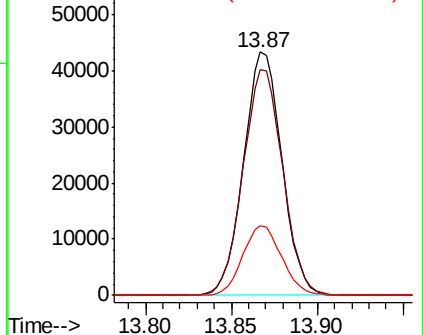


Abundance

Ion 179.70 (179.40 to 180.40): V

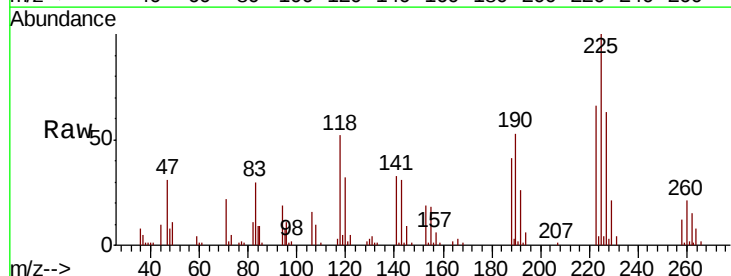
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#88
 Hexachlorobutadiene
 Concen: 1.789 ug/l
 RT: 14.05 min Scan# 3954
 Delta R.T. 0.00 min
 Lab File: VU038005.D
 Acq: 04 May 2020 17:16

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	51.3	76.9
227	62.0	49.2	73.8

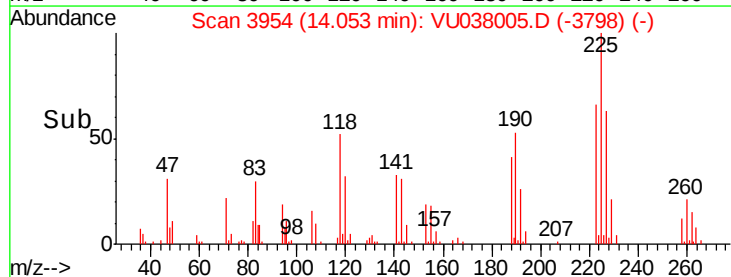
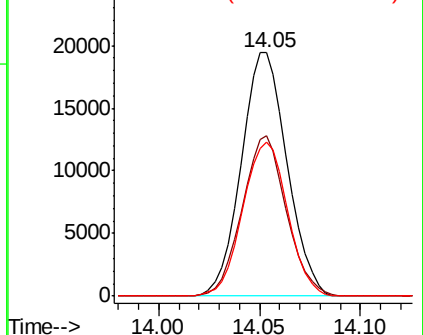


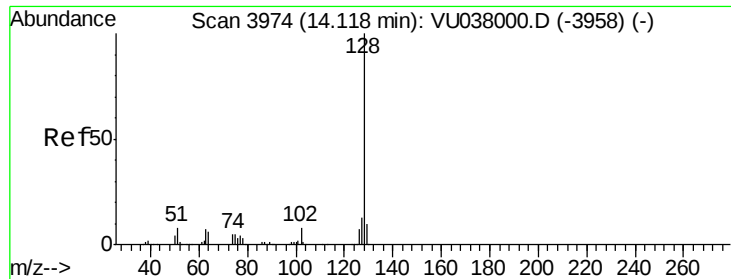
Abundance

Ion 224.60 (224.30 to 225.30): V

Ion 222.60 (222.30 to 223.30): V

Ion 226.60 (226.30 to 227.30): V





#89

Naphthalene

Concen: 1.711 ug/l

RT: 14.12 min Scan# 3974

Delta R.T. 0.00 min

Lab File: VU038005.D

Acq: 04 May 2020 17:16

Instrument :

MSVOA_U

ClientSampleId :

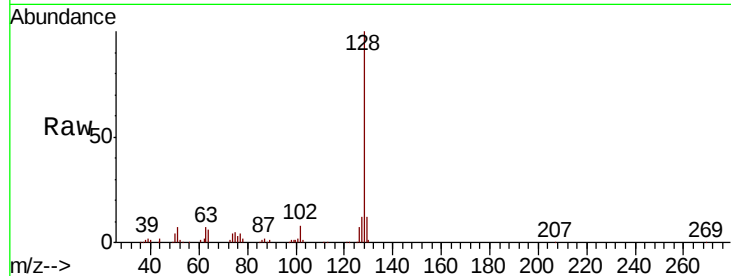
Tot Ion:128 Resp: 126881

Ion Ratio Lower Upper

128 100

127 12.7 10.4 15.6

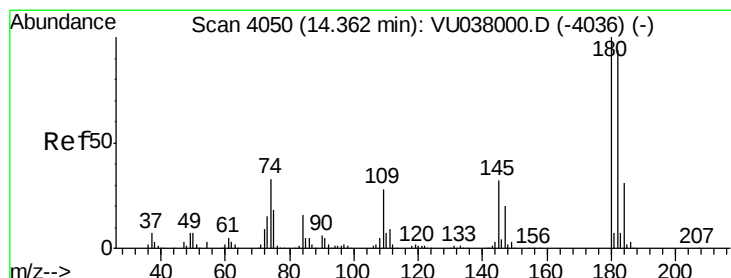
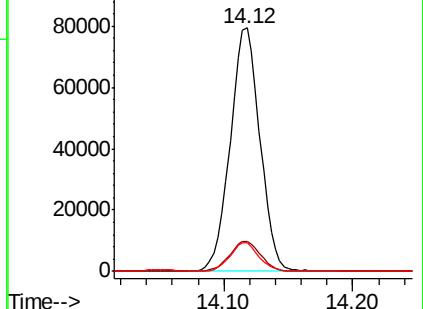
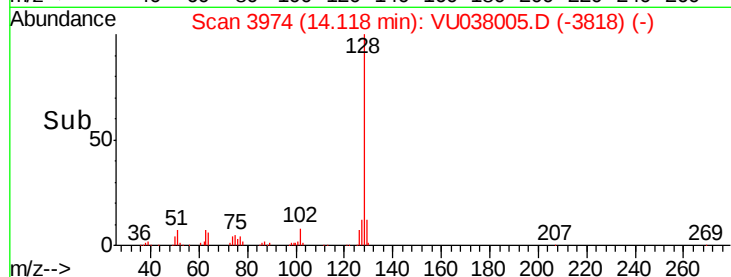
129 11.4 8.6 12.8



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: 1.780 ug/l

RT: 14.36 min Scan# 4050

Delta R.T. 0.00 min

Lab File: VU038005.D

Acq: 04 May 2020 17:16

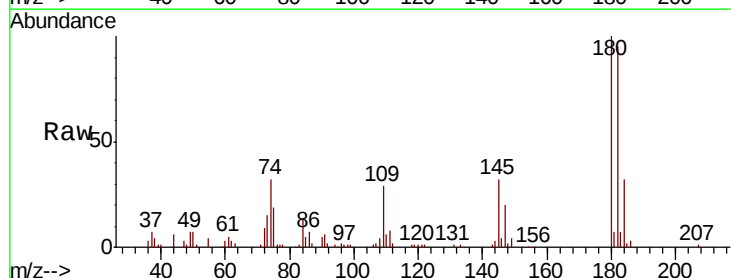
Tgt Ion:180 Resp: 61159

Ion Ratio Lower Upper

180 100

182 95.3 75.9 113.9

145 32.5 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

