

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060220\
 Data File : VU038506.D
 Acq On : 02 Jun 2020 20:09
 Operator : JC/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 03 00:52:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jun 03 00:48:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	311199	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	304692	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	152332	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	82254	4.08	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.60%
7) Chloroethane-d5	1.93	69	68386	4.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.40%
11) 1,1-Dichloroethene-d2	2.59	63	173177	4.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.40%
20) 2-Butanone-d5	4.69	46	315807	51.62	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.24%
24) Chloroform-d	5.10	84	183518	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
26) 1,2-Dichloroethane-d4	5.74	65	103973	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.80%
32) Benzene-d6	5.76	84	352066	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.60%
36) 1,2-Dichloropropane-d6	6.72	67	109921	4.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.00%
41) Toluene-d8	7.92	98	306394	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.80%
43) trans-1,3-Dichloropropene-	8.20	79	46957	4.67	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.40%
46) 2-Hexanone-d5	8.65	63	264775	53.30	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.60%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	97418	4.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.20%
64) 1,2-Dichlorobenzene-d4	12.20	152	121573	4.63	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	96239	3.924	ug/L 99
3) Chloromethane	1.53	50	92751	4.118	ug/L 100
5) Vinyl chloride	1.62	62	99736	4.133	ug/L 99
6) Bromomethane	1.87	94	50100	4.276	ug/L 97
8) Chloroethane	1.95	64	63092	4.363	ug/L 99
9) Trichlorofluoromethane	2.16	101	135534	4.233	ug/L 97
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	76909	4.079	ug/L 99
12) 1,1-Dichloroethene	2.60	96	82238	4.291	ug/L 99
13) Acetone	2.69	43	196070	48.967	ug/L 98
14) Carbon disulfide	2.82	76	235916	3.628	ug/L 99
15) Methyl Acetate	2.99	43	46230	4.713	ug/L 98
16) Methylene chloride	3.08	84	99240	4.576	ug/L 97
17) Methyl tert-butyl Ether	3.40	73	237838	4.733	ug/L 99
18) trans-1,2-Dichloroethene	3.39	96	89872	4.351	ug/L 96
19) 1,1-Dichloroethane	3.91	63	173798	4.702	ug/L 98
21) 2-Butanone	4.76	43	326058	48.413	ug/L 95
22) cis-1,2-Dichloroethene	4.71	96	100780	4.532	ug/L 98

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 Misc : 25.0mL/MSVOA U/WATER
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Instrument :
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Quant Time: Jun 03 00:52:21 2020
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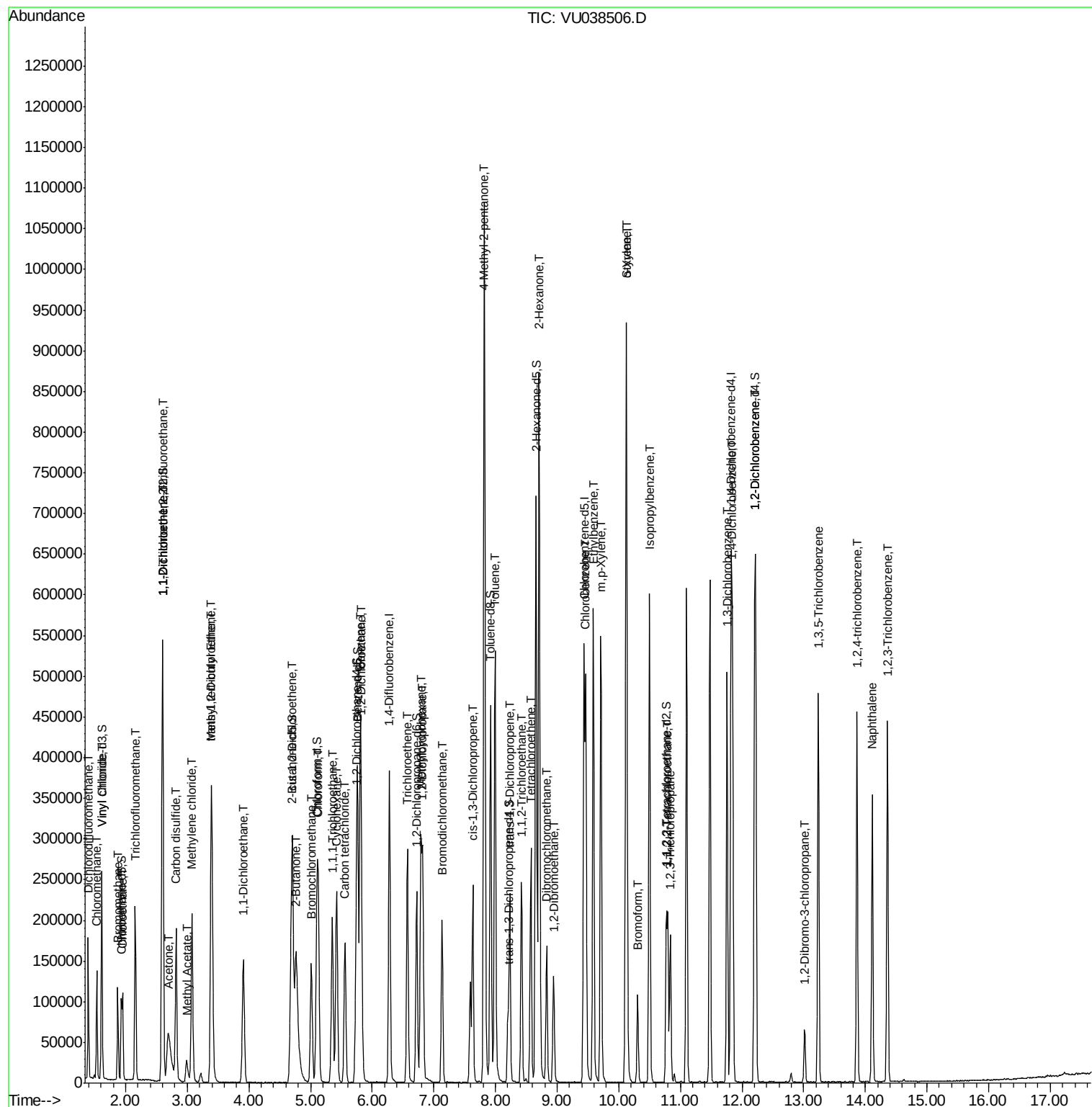
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	46392	4.635	ug/L	98
25) Chloroform	5.13	83	181332	4.829	ug/L	100
27) 1,2-Dichloroethane	5.83	62	127983	4.841	ug/L	100
29) 1,1,1-Trichloroethane	5.35	97	148771	4.614	ug/L	100
30) Cyclohexane	5.42	56	115077	3.404	ug/L	99
31) Carbon tetrachloride	5.56	117	117563	4.380	ug/L	98
33) Benzene	5.81	78	384767	4.529	ug/L	100
34) Trichloroethene	6.57	95	96787	4.389	ug/L	98
35) Methylcyclohexane	6.79	83	112604	3.298	ug/L	99
37) 1,2-Dichloropropane	6.82	63	98771	4.620	ug/L	100
38) Bromodichloromethane	7.13	83	130527	4.916	ug/L	100
39) cis-1,3-Dichloropropene	7.63	75	141581	4.481	ug/L	96
40) 4-Methyl-2-pentanone	7.82	43	730026	47.744	ug/L	99
42) Toluene	7.99	91	394061	4.422	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	127531	4.570	ug/L	98
45) 1,1,2-Trichloroethane	8.42	97	78204	4.848	ug/L	97
47) Tetrachloroethene	8.57	164	65750	4.104	ug/L	99
48) 2-Hexanone	8.71	43	558584	48.239	ug/L	99
49) Dibromochloromethane	8.83	129	87040	4.999	ug/L	98
50) 1,2-Dibromoethane	8.94	107	73058	4.730	ug/L	98
51) Chlorobenzene	9.47	112	255325	4.443	ug/L	98
52) Ethylbenzene	9.59	91	416733	4.203	ug/L	99
53) m,p-Xylene	9.71	106	160034	4.197	ug/L	93
54) o-Xylene	10.12	106	163882	4.477	ug/L	97
55) Styrene	10.13	104	284437	4.578	ug/L	100
56) Isopropylbenzene	10.50	105	395751	4.108	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	96710	4.718	ug/L	97
59) 1,2,3-Trichloropropane	10.84	75	77114	4.832	ug/L	100
61) Bromoform	10.31	173	47253	4.979	ug/L	100
62) 1,3-Dichlorobenzene	11.76	146	199936	4.467	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	202661	4.465	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	195775	4.606	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.01	75	16492	4.793	ug/L	96
67) 1,3,5-Trichlorobenzene	13.24	180	144421	4.325	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	132379	4.283	ug/L	98
69) Naphthalene	14.11	128	280722	4.564	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	127340	4.528	ug/L	99

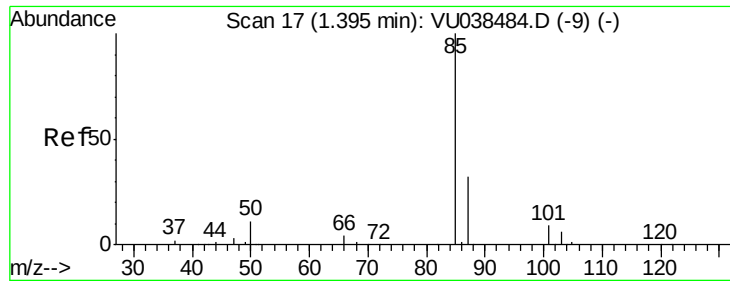
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 3.924 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU038506.D

Acq: 02 Jun 2020 20:09

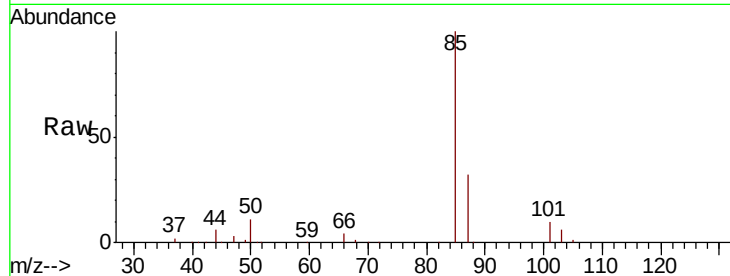
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 85 Resp: 96239

Ion Ratio Lower Upper

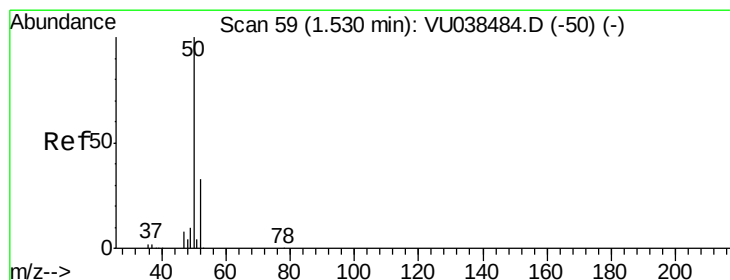
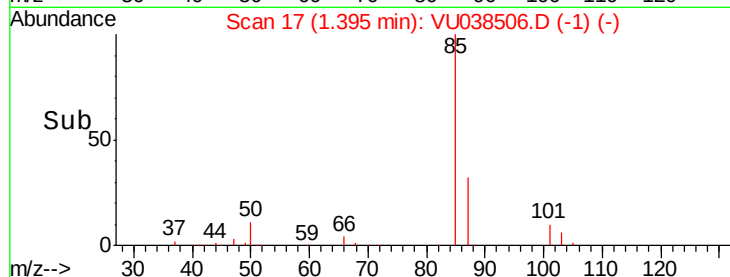
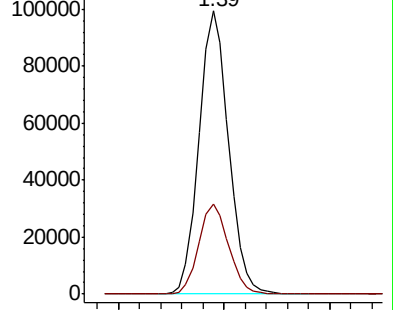
85 100

87 32.0 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU038484.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU038484.D (-9) (-)



#3

Chloromethane

Concen: 4.118 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU038506.D

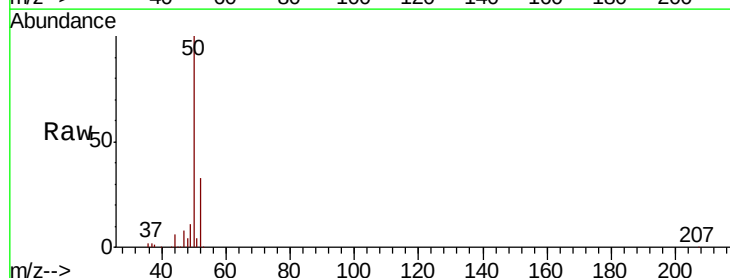
Acq: 02 Jun 2020 20:09

Tgt Ion: 50 Resp: 92751

Ion Ratio Lower Upper

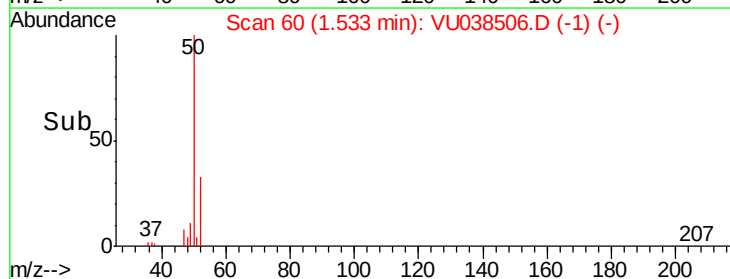
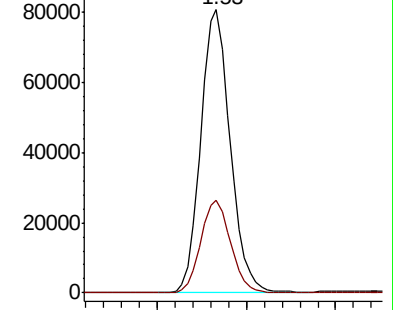
50 100

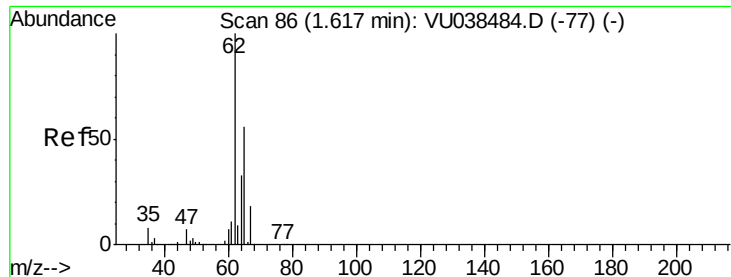
52 32.7 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VU038484.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU038484.D (-50) (-)





#5

Vinyl chloride

Concen: 4.133 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU038506.D

Acq: 02 Jun 2020 20:09

Instrument :

MSVOA_U

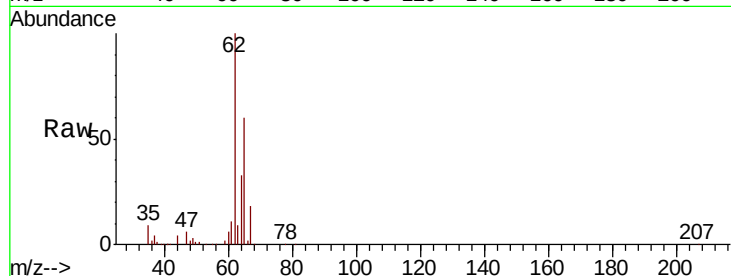
ClientSampled :

Tot Ion: 62 Resp: 99736

Ion Ratio Lower Upper

62 100

64 33.1 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VU038484.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU038484.D (-77) (-)

1.62

100000

80000

60000

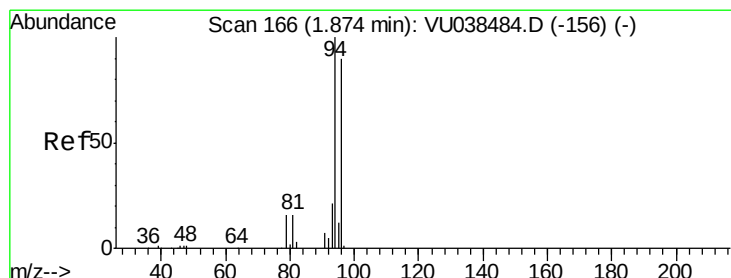
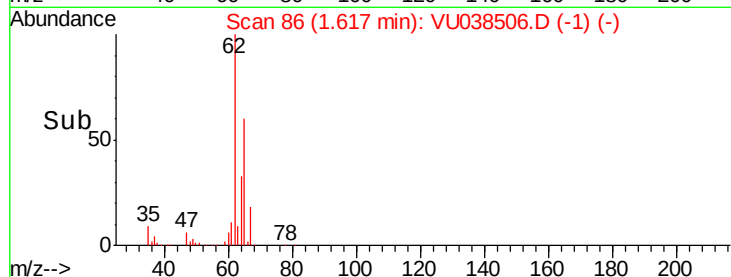
40000

20000

0

1.55 1.60 1.65 1.70

Time-->



#6

Bromomethane

Concen: 4.276 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU038506.D

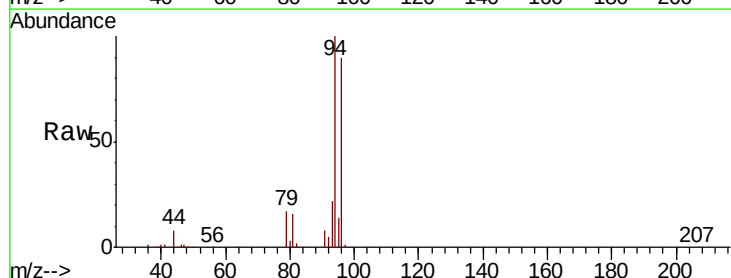
Acq: 02 Jun 2020 20:09

Tgt Ion: 94 Resp: 50100

Ion Ratio Lower Upper

94 100

96 90.4 65.5 121.6



Abundance Ion 94.00 (93.70 to 94.70): VU038484.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU038484.D (-156) (-)

1.87

40000

30000

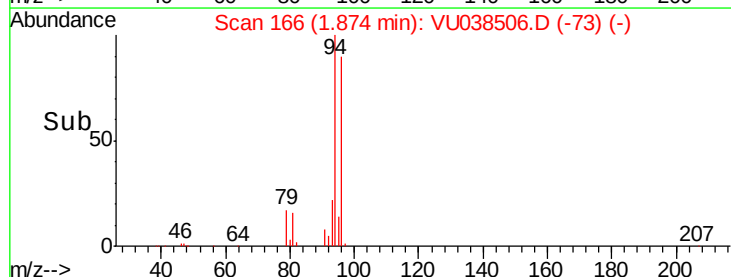
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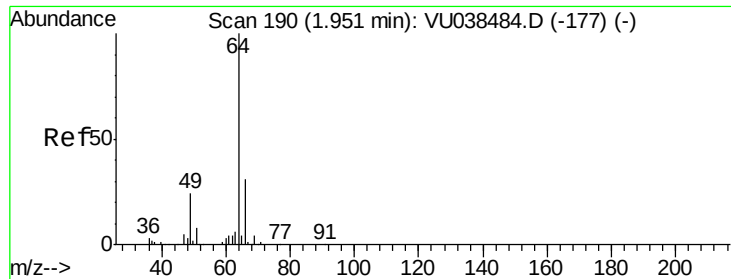
10000

0

1.80 1.85 1.90 1.95

Time-->





#8

Chloroethane

Concen: 4.363 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU038506.D

Acq: 02 Jun 2020 20:09

Instrument :

MSVOA_U

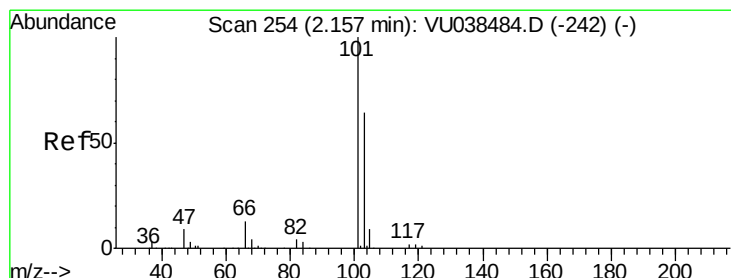
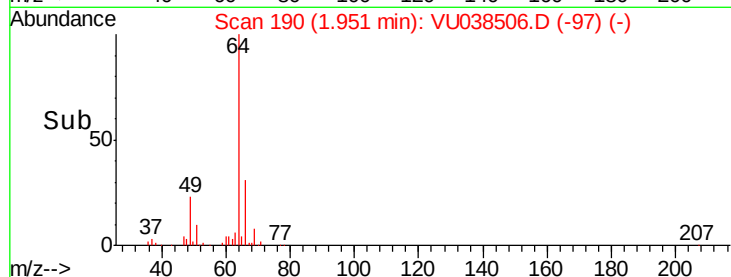
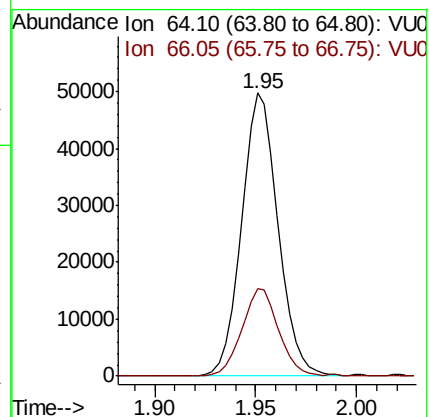
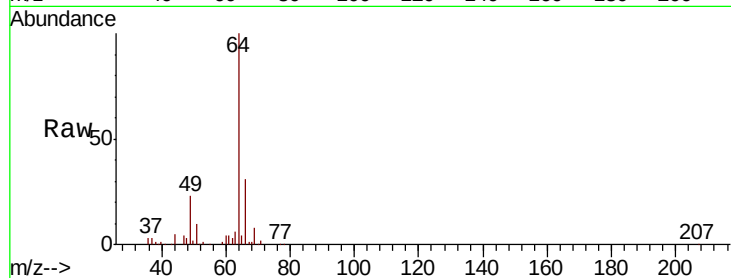
ClientSampled :

Tot Ion: 64 Resp: 63092

Ion Ratio Lower Upper

64 100

66 31.1 21.5 39.9



#9

Trichlorofluoromethane

Concen: 4.233 ug/L

RT: 2.16 min Scan# 255

Delta R.T. 0.00 min

Lab File: VU038506.D

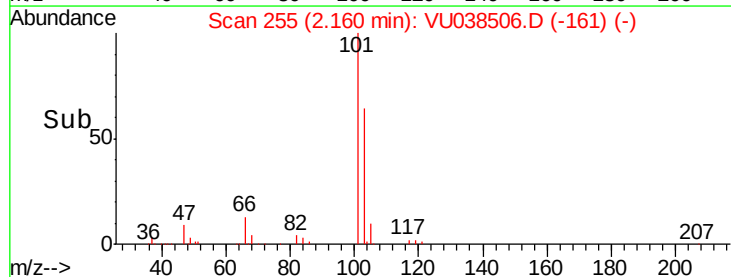
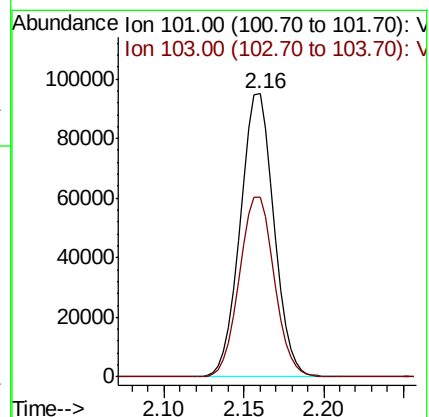
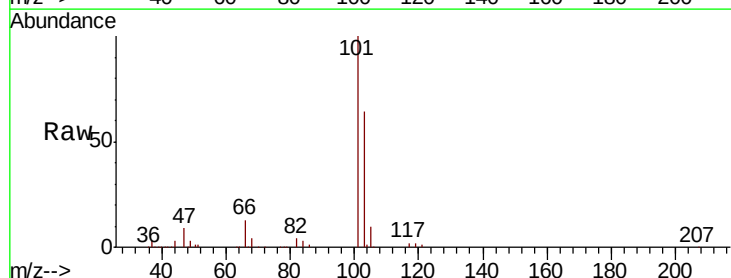
Acq: 02 Jun 2020 20:09

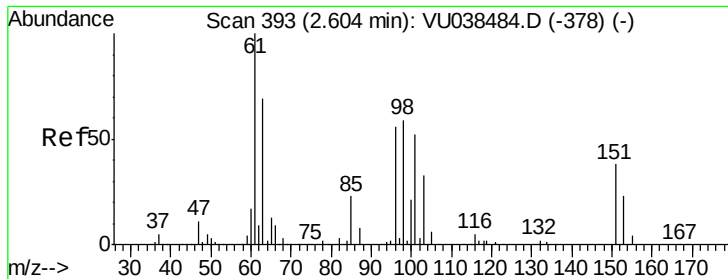
Tgt Ion: 101 Resp: 135534

Ion Ratio Lower Upper

101 100

103 65.9 51.1 76.7





#10

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

Concen: 4.079 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038506.D

Acq: 02 Jun 2020 20:09

Instrument :

MSVOA_U

ClientSampled :

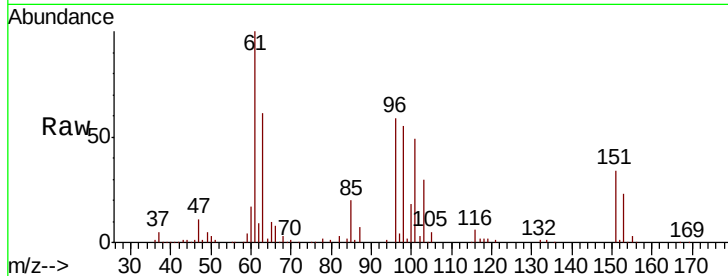
Tot Ion:101 Resp: 76909

Ion Ratio Lower Upper

101 100

85 42.9 34.0 51.0

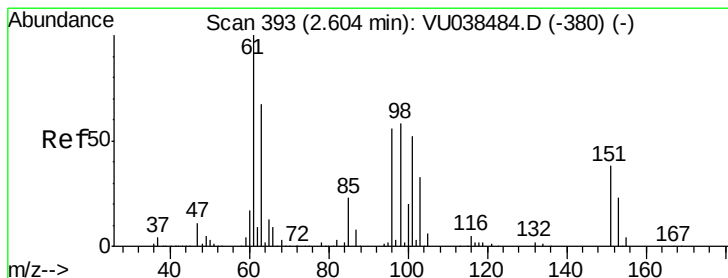
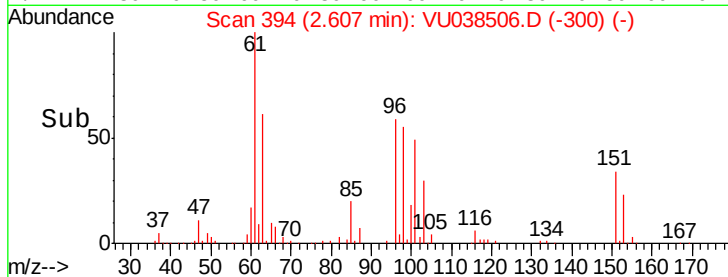
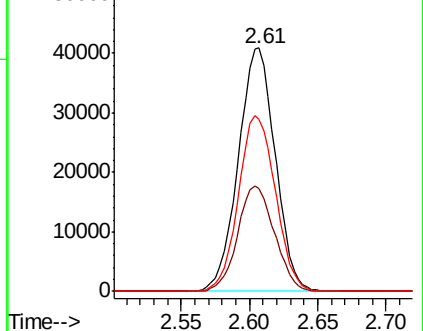
151 72.2 56.9 85.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.291 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038506.D

Acq: 02 Jun 2020 20:09

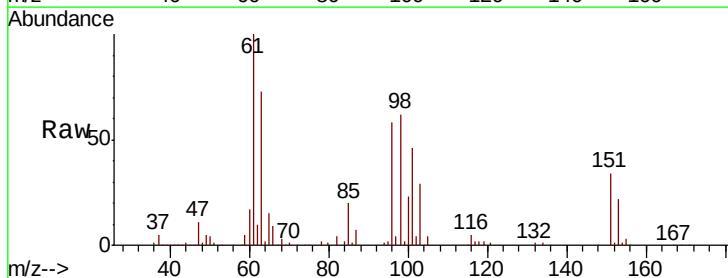
Tgt Ion: 96 Resp: 82238

Ion Ratio Lower Upper

96 100

61 173.8 119.9 222.7

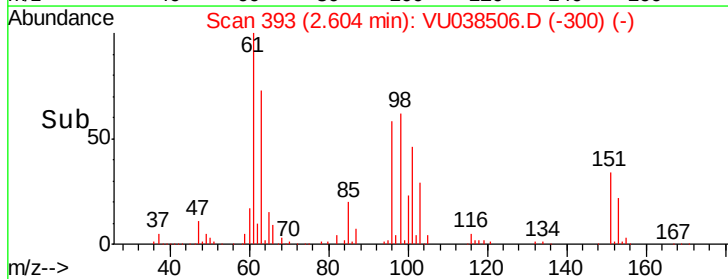
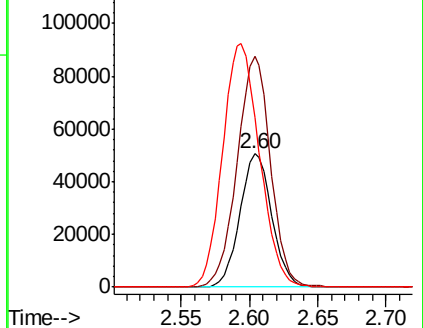
63 127.6 89.9 167.0

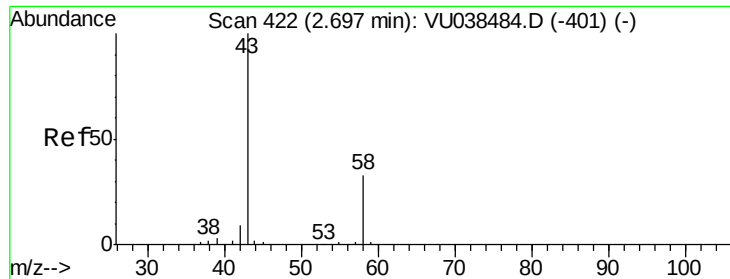


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 48.967 ug/L

RT: 2.69 min Scan# 421

Delta R.T. -0.00 min

Lab File: VU038506.D

Acq: 02 Jun 2020 20:09

Instrument :

MSVOA_U

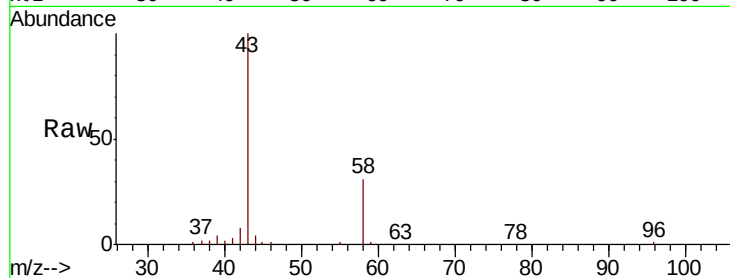
ClientSampleId :

Tot Ion: 43 Resp: 196070

Ion Ratio Lower Upper

43 100

58 31.8 0.0 65.6



Abundance Ion 43.05 (42.75 to 43.75): VU038484.D (-401) (-)

Ion 58.05 (57.75 to 58.75): VU038484.D (-401) (-)

2.69

40000

30000

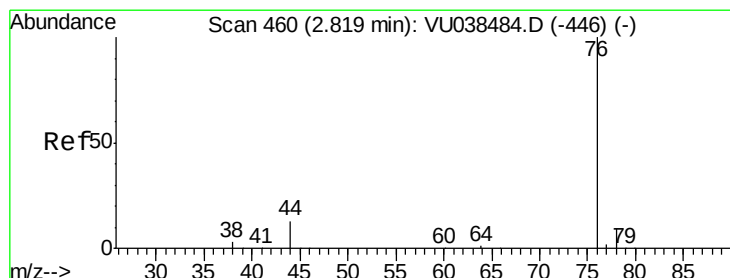
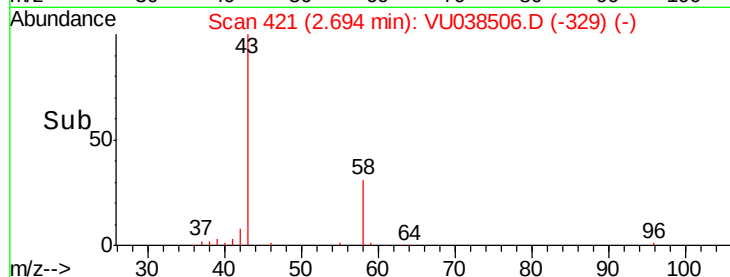
20000

10000

0

Time-->

2.50 2.60 2.70 2.80 2.90



#14

Carbon disulfide

Concen: 3.628 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU038506.D

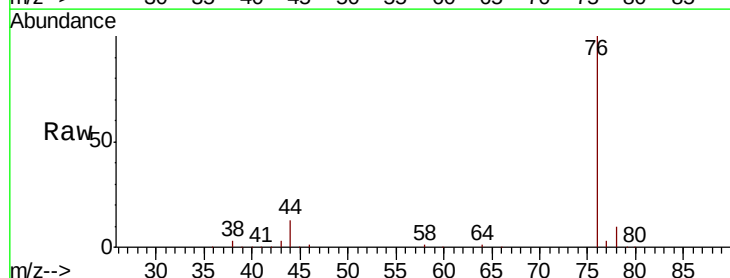
Acq: 02 Jun 2020 20:09

Tgt Ion: 76 Resp: 235916

Ion Ratio Lower Upper

76 100

78 9.5 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VU038484.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU038484.D (-446) (-)

2.82

150000

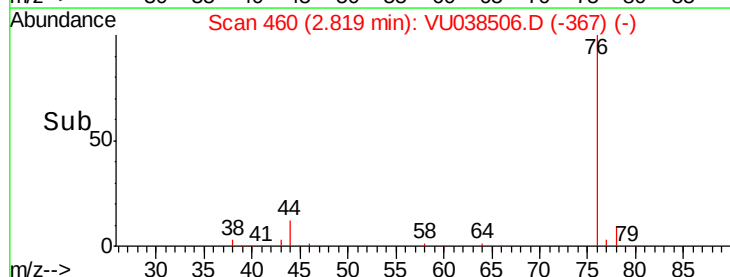
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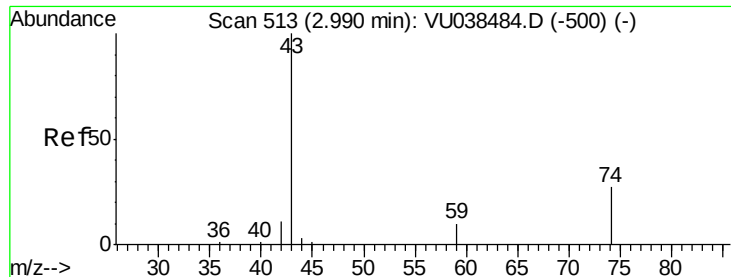
50000

0

Time-->

2.75 2.80 2.85 2.90 2.95

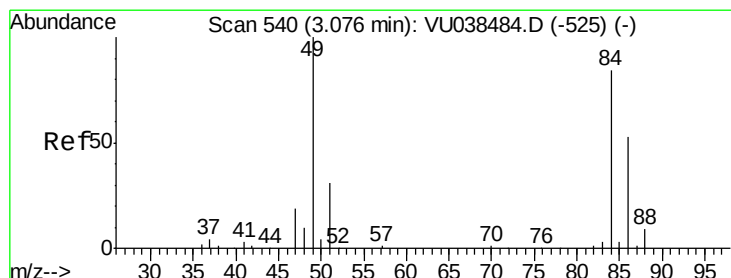
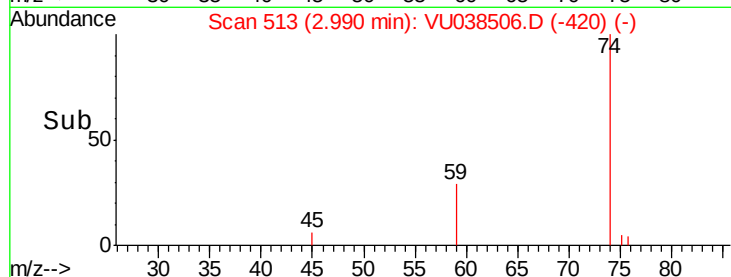
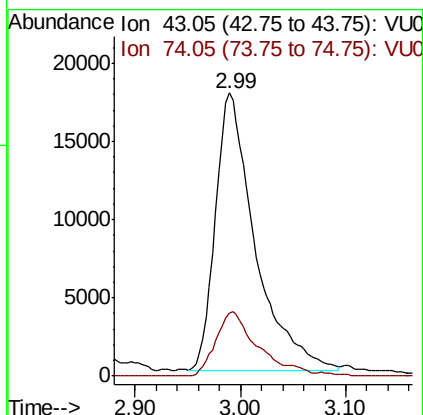
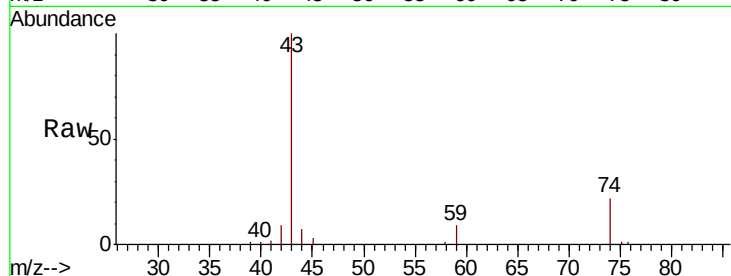




#15
Methyl Acetate
Concen: 4.713 ug/L
RT: 2.99 min Scan# 513
Delta R.T. -0.00 min
Lab File: VU038506.D
Acq: 02 Jun 2020 20:09

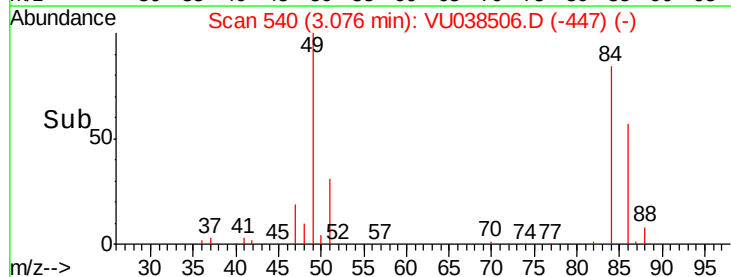
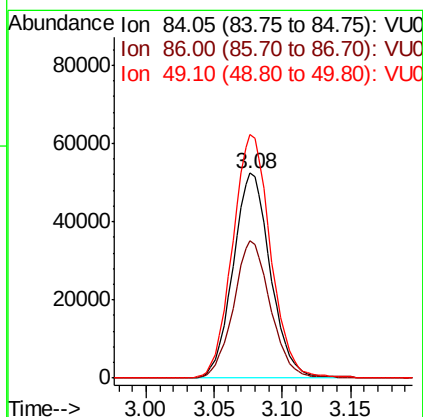
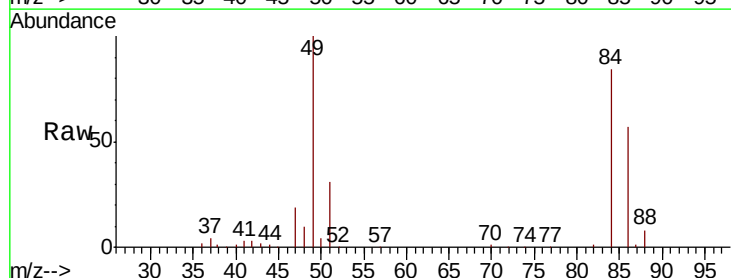
Instrument :
MSVOA_U
ClientSampleId :

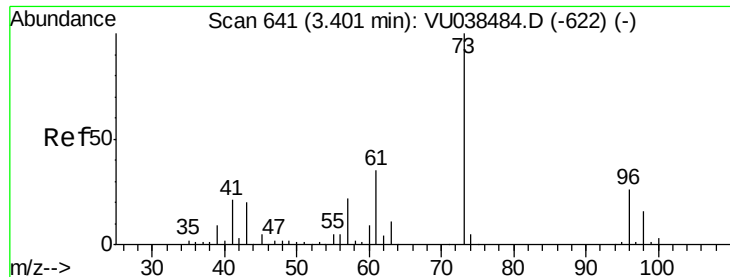
Tot Ion: 43 Resp: 46230
Ion Ratio Lower Upper
43 100
74 22.8 19.2 28.8



#16
Methylene chloride
Concen: 4.576 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU038506.D
Acq: 02 Jun 2020 20:09

Tgt Ion: 84 Resp: 99240
Ion Ratio Lower Upper
84 100
86 67.3 45.0 83.6
49 118.9 85.5 158.9

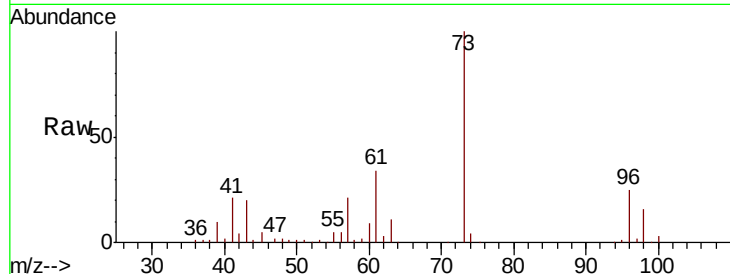




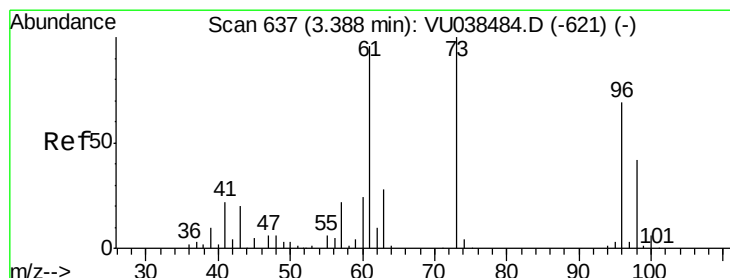
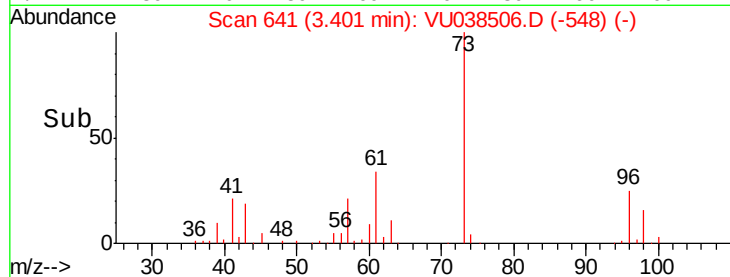
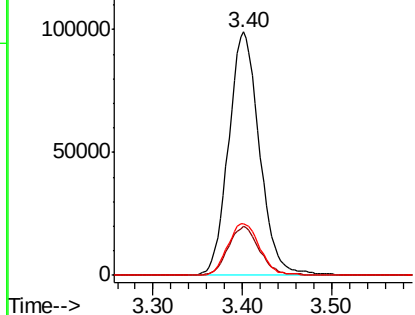
#17
Methyl tert-butyl Ether
Concen: 4.733 ug/L
RT: 3.40 min Scan# 641
Delta R.T. -0.00 min
Lab File: VU038506.D
Acq: 02 Jun 2020 20:09

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 73 Resp: 237838
Ion Ratio Lower Upper
73 100
43 20.6 15.5 23.3
57 22.2 17.8 26.6

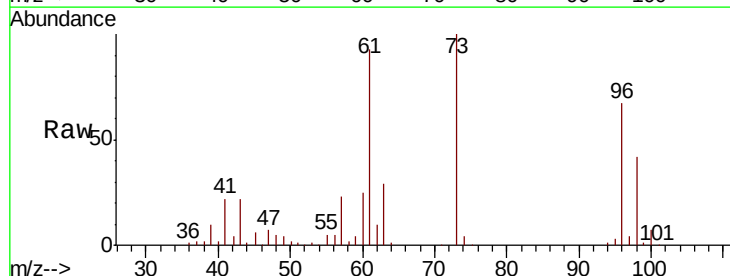


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

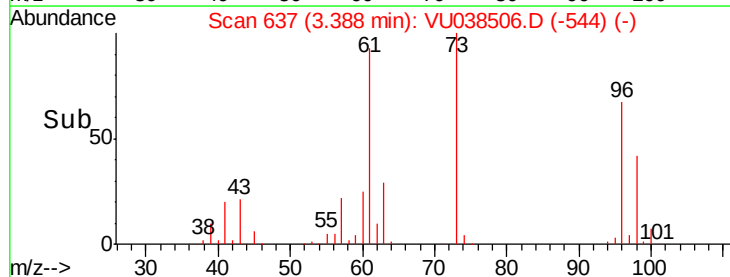
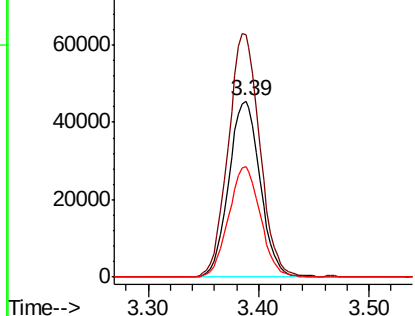


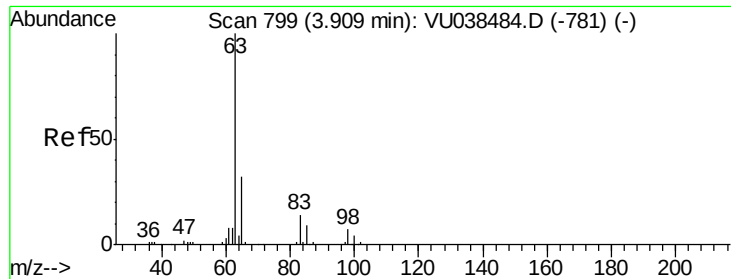
#18
trans-1,2-Dichloroethene
Concen: 4.351 ug/L
RT: 3.39 min Scan# 637
Delta R.T. -0.00 min
Lab File: VU038506.D
Acq: 02 Jun 2020 20:09

Tgt Ion: 96 Resp: 89872
Ion Ratio Lower Upper
96 100
61 137.6 100.2 186.0
98 62.8 42.8 79.4



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

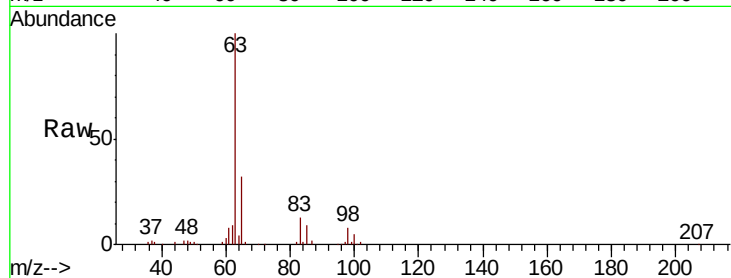




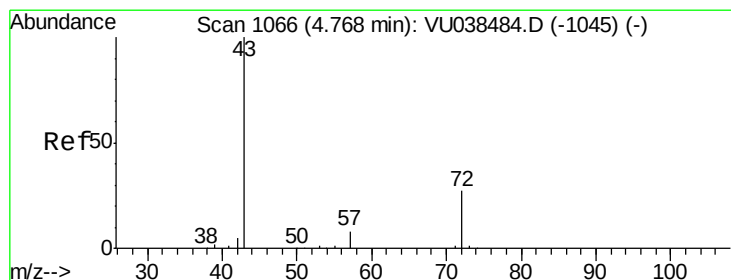
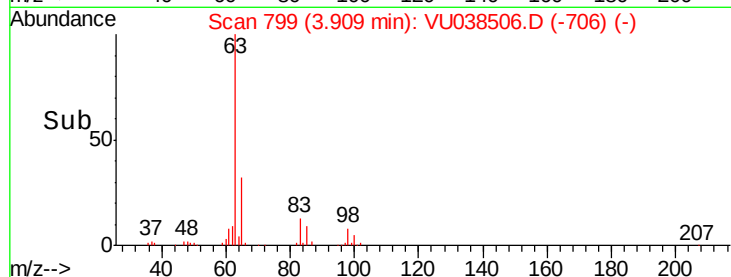
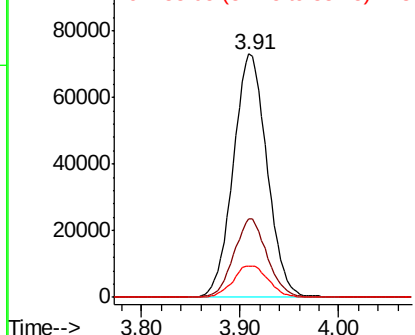
#19
 1,1-Dichloroethane
 Concen: 4.702 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: VU038506.D
 Acq: 02 Jun 2020 20:09

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	63	Resp:	173798
Ion	Ratio	Lower	Upper
63	100		
65	32.5	22.3	41.5
83	12.9	10.4	19.4

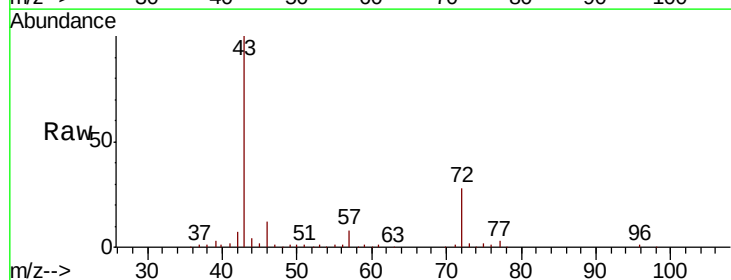


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

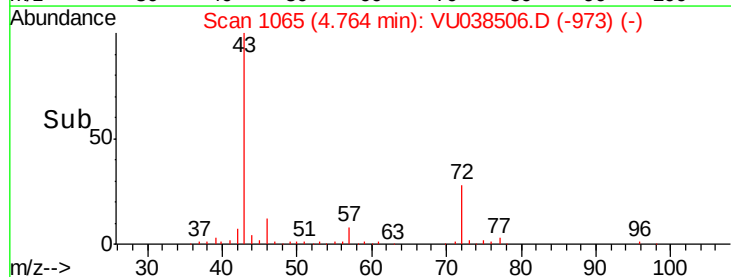
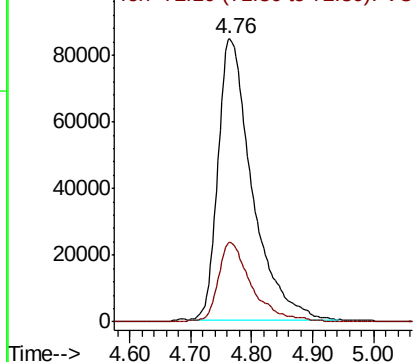


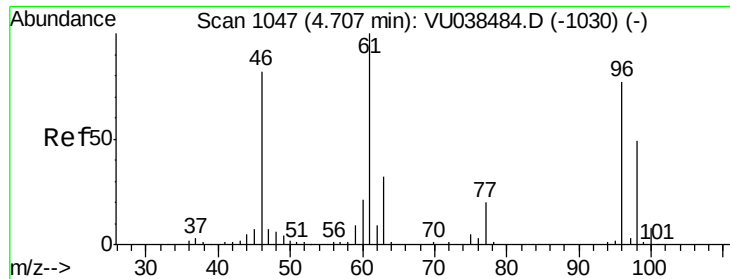
#21
 2-Butanone
 Concen: 48.413 ug/L
 RT: 4.76 min Scan# 1065
 Delta R.T. -0.00 min
 Lab File: VU038506.D
 Acq: 02 Jun 2020 20:09

Tgt Ion:	43	Resp:	326058
Ion	Ratio	Lower	Upper
43	100		
72	27.6	12.6	37.8



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0

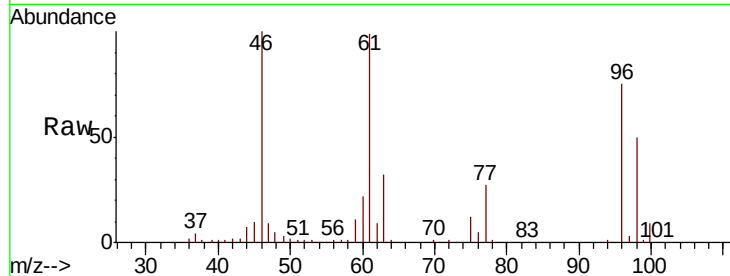




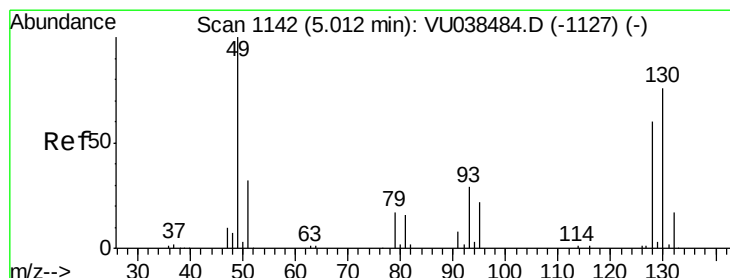
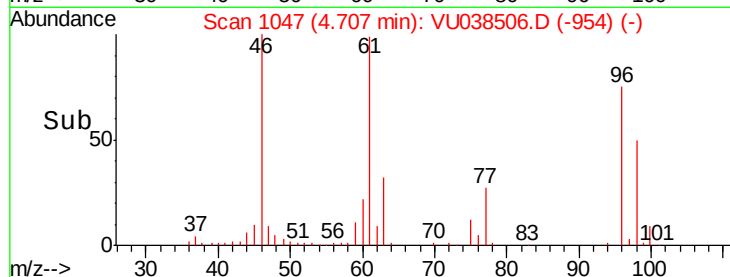
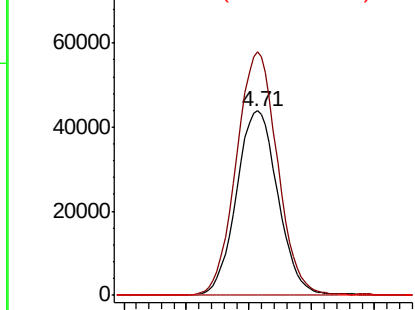
#22
 cis-1,2-Dichloroethene
 Concen: 4.532 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. -0.00 min
 Lab File: VU038506.D
 Acq: 02 Jun 2020 20:09

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 96 Resp: 100780
 Ion Ratio Lower Upper
 96 100
 61 132.0 94.0 174.6
 68 0.0 0.0 0.0

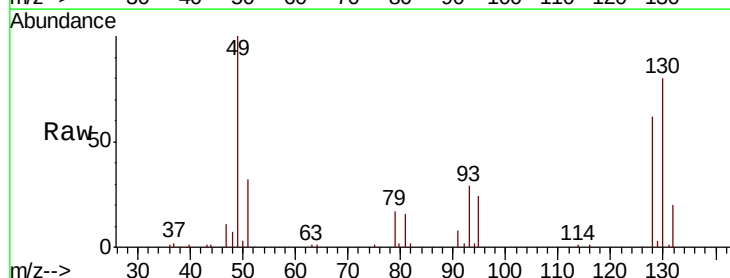


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

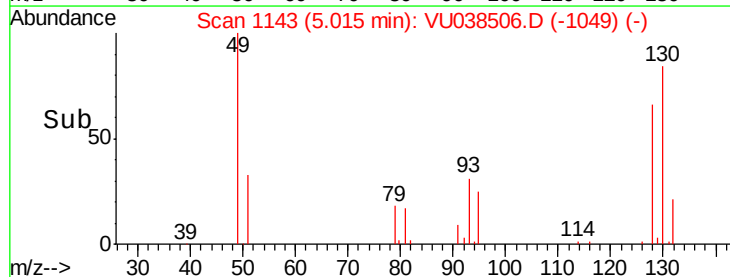
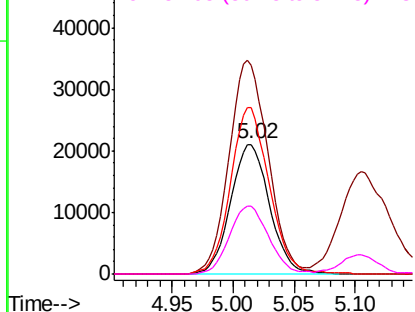


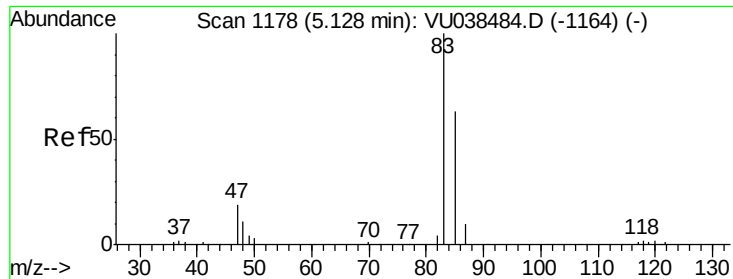
#23
 Bromochloromethane
 Concen: 4.635 ug/L
 RT: 5.02 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: VU038506.D
 Acq: 02 Jun 2020 20:09

Tgt Ion: 128 Resp: 46392
 Ion Ratio Lower Upper
 128 100
 49 161.1 111.9 207.7
 130 128.2 86.5 160.7
 51 52.2 41.7 62.5



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

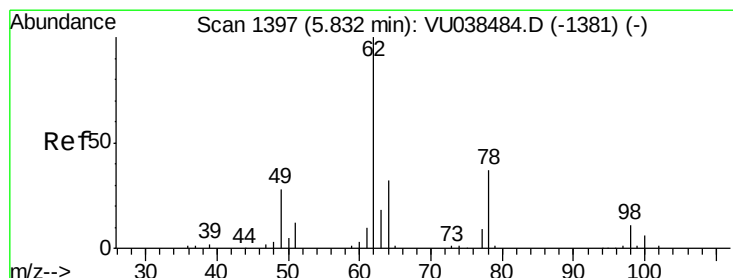
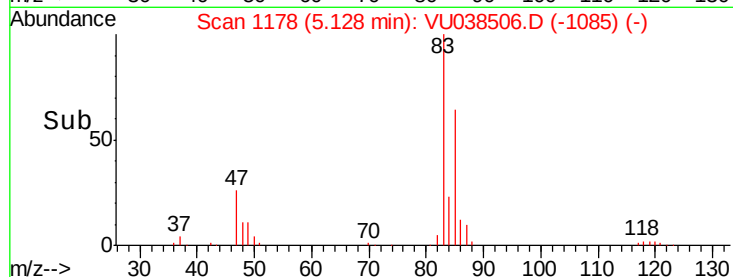
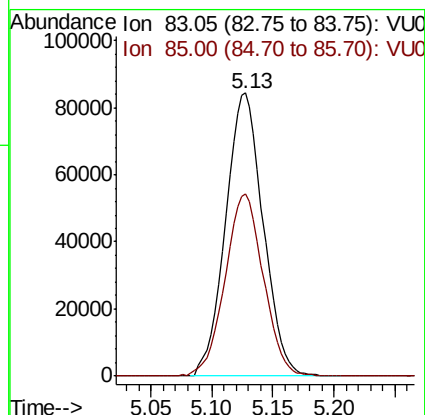
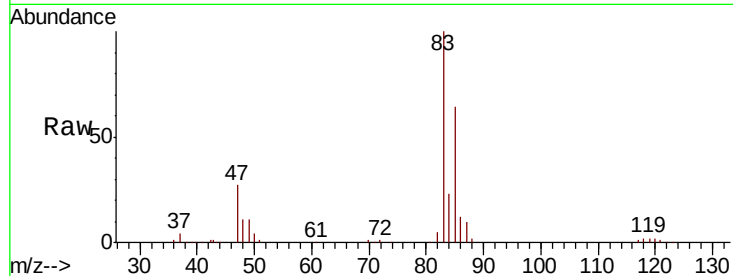




#25
Chloroform
Concen: 4.829 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU038506.D
Acq: 02 Jun 2020 20:09

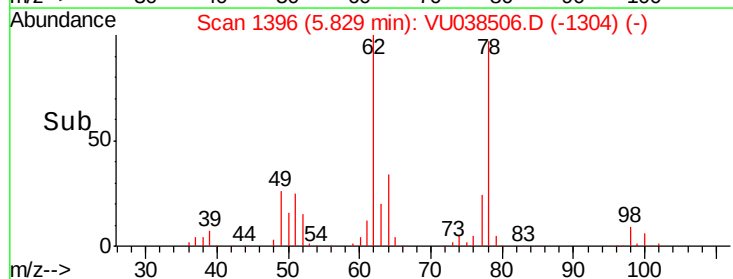
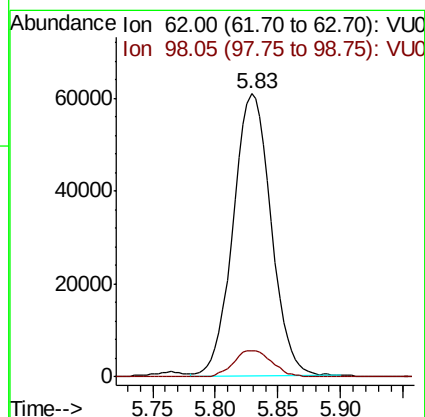
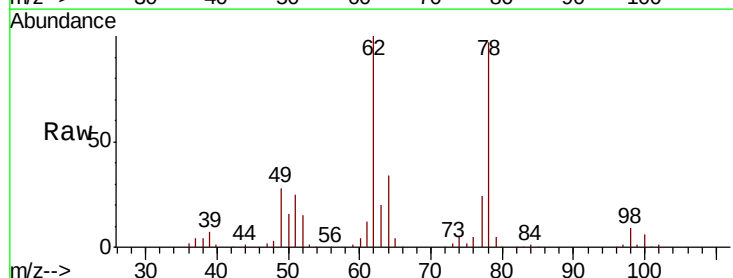
Instrument :
MSVOA_U
ClientSampleId :

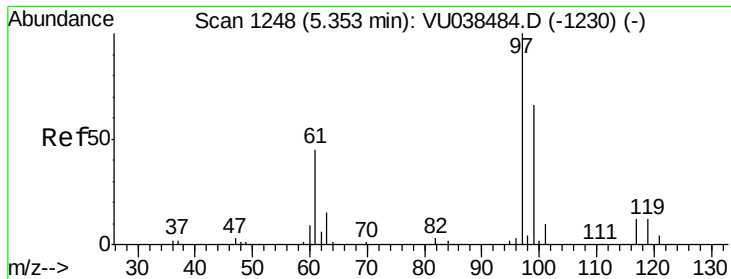
Tot Ion: 83 Resp: 181332
Ion Ratio Lower Upper
83 100
85 64.4 44.9 83.5



#27
1,2-Dichloroethane
Concen: 4.841 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU038506.D
Acq: 02 Jun 2020 20:09

Tgt Ion: 62 Resp: 127983
Ion Ratio Lower Upper
62 100
98 9.3 7.4 11.2

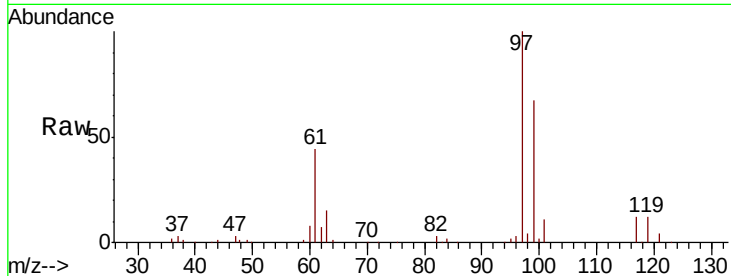




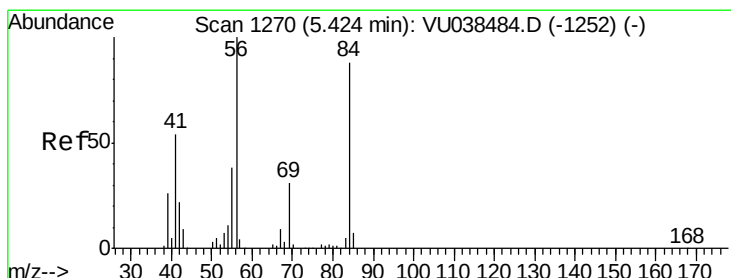
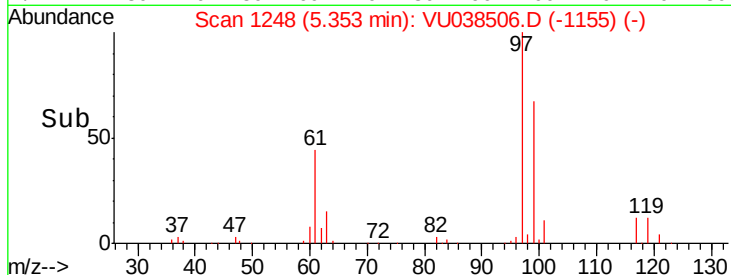
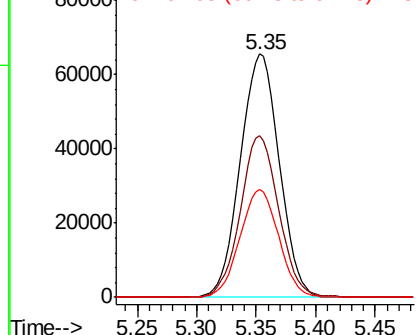
#29
 1,1,1-Trichloroethane
 Concen: 4.614 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VU038506.D
 Acq: 02 Jun 2020 20:09

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 97 Resp: 148771
 Ion Ratio Lower Upper
 97 100
 99 65.5 52.2 78.2
 61 44.0 35.4 53.2

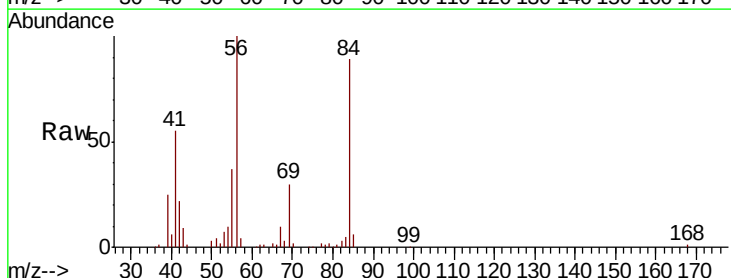


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

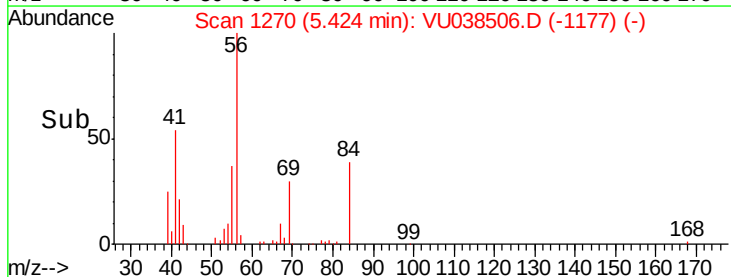
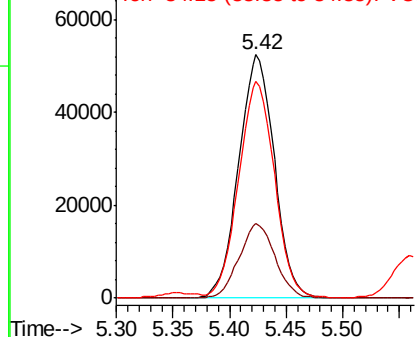


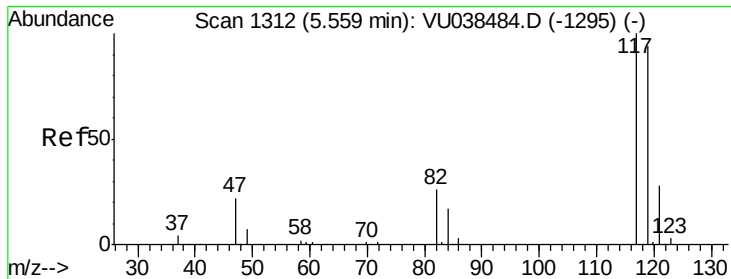
#30
 Cyclohexane
 Concen: 3.404 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VU038506.D
 Acq: 02 Jun 2020 20:09

Tgt Ion: 56 Resp: 115077
 Ion Ratio Lower Upper
 56 100
 69 30.9 24.2 36.4
 84 88.8 70.8 106.2



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





#31

Carbon tetrachloride

Concen: 4.380 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU038506.D

Acq: 02 Jun 2020 20:09

Instrument :

MSVOA_U

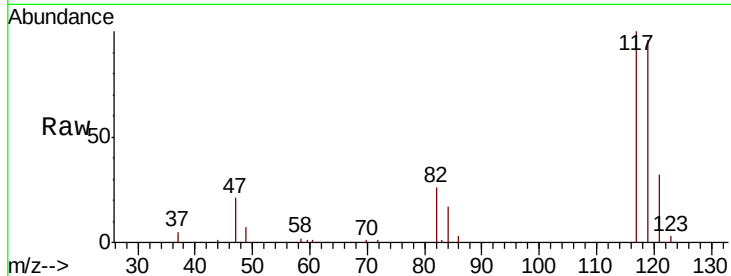
ClientSampleId :

Tot Ion:117 Resp: 117563

Ion Ratio Lower Upper

117 100

119 97.4 76.6 115.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.56

60000

50000

40000

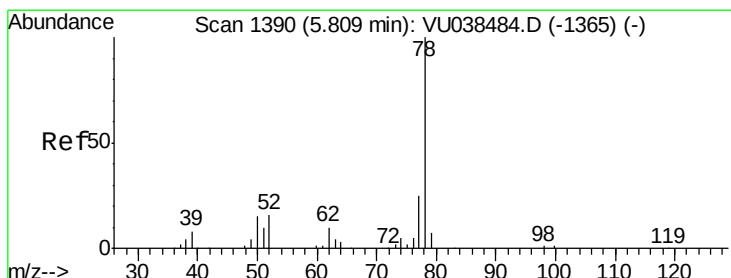
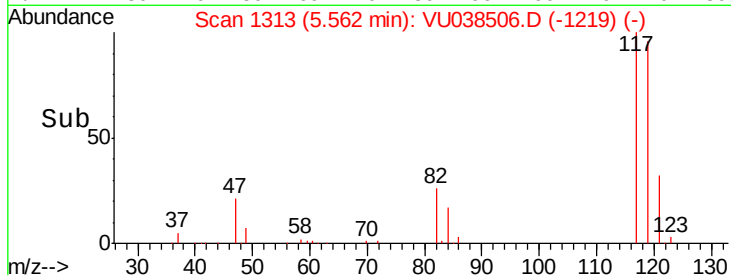
30000

20000

10000

0

Time--> 5.45 5.50 5.55 5.60 5.65



#33

Benzene

Concen: 4.529 ug/L

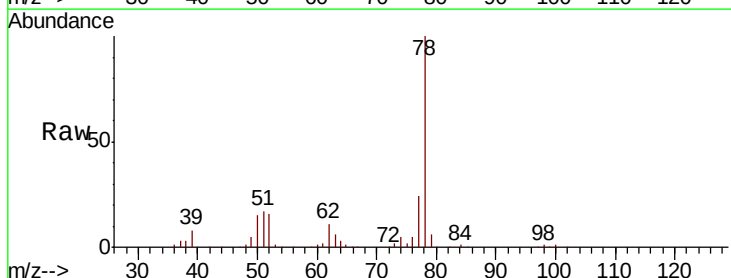
RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VU038506.D

Acq: 02 Jun 2020 20:09

Tgt Ion: 78 Resp: 384767



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.81

200000

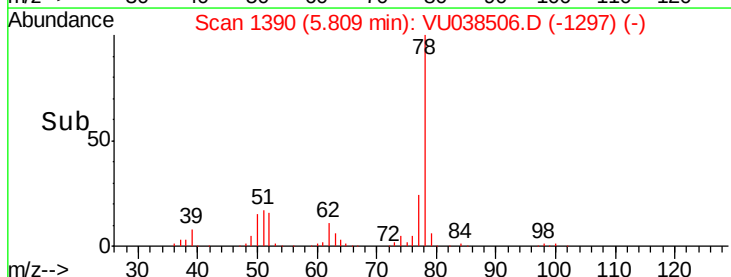
150000

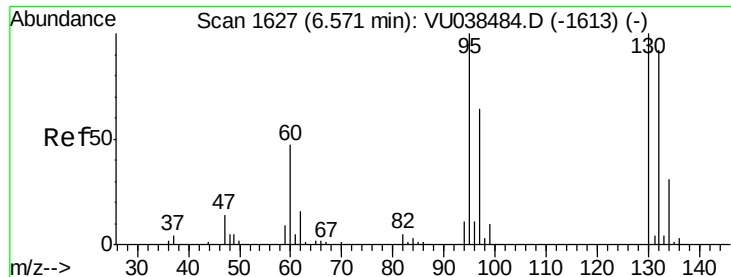
100000

50000

0

Time--> 5.70 5.80 5.90

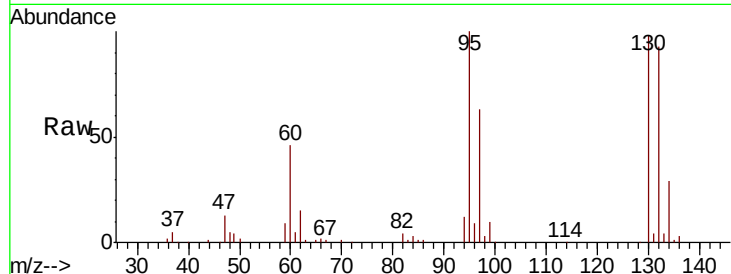




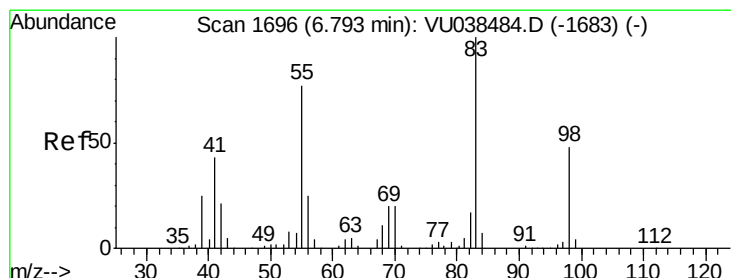
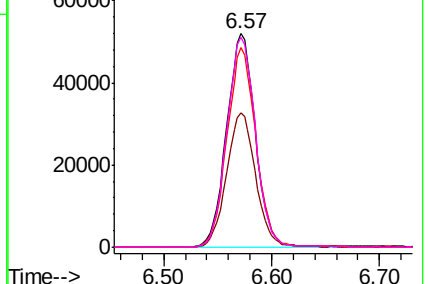
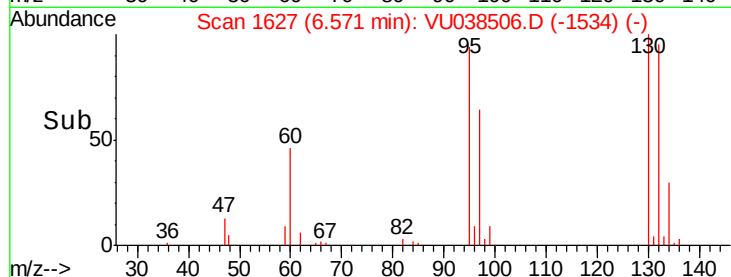
#34
 Trichloroethene
 Concen: 4.389 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VU038506.D
 Acq: 02 Jun 2020 20:09

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 96787
 Ion Ratio Lower Upper
 95 100
 97 62.8 46.8 87.0
 132 93.3 66.1 122.7
 130 98.4 70.0 130.0

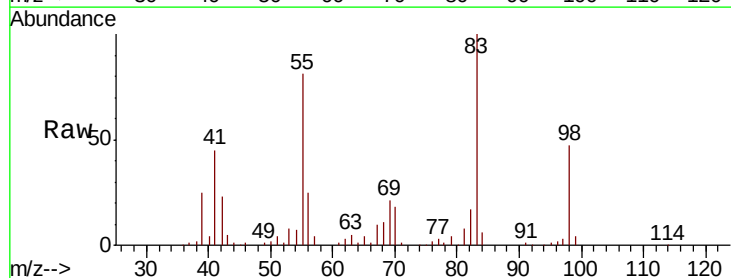


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

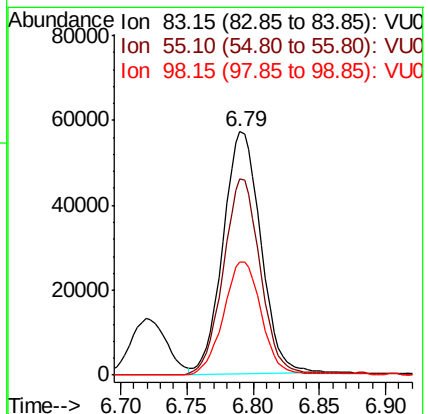
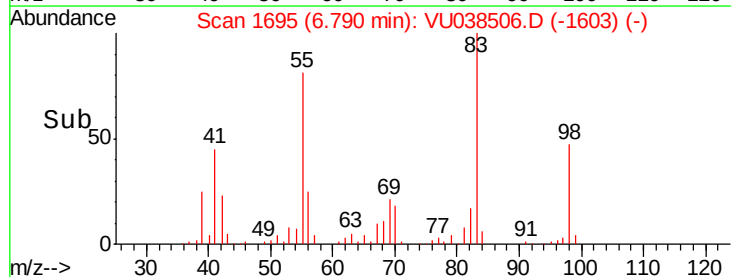


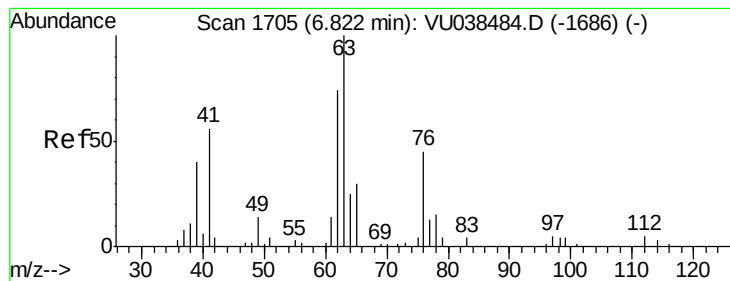
#35
 Methylcyclohexane
 Concen: 3.298 ug/L
 RT: 6.79 min Scan# 1695
 Delta R.T. -0.00 min
 Lab File: VU038506.D
 Acq: 02 Jun 2020 20:09

Tgt Ion: 83 Resp: 112604
 Ion Ratio Lower Upper
 83 100
 55 79.7 63.4 95.2
 98 47.2 39.0 58.4



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





#37

1,2-Dichloropropane

Concen: 4.620 ug/L

RT: 6.82 min Scan# 1704

Delta R.T. -0.00 min

Lab File: VU038506.D

Acq: 02 Jun 2020 20:09

Instrument :

MSVOA_U

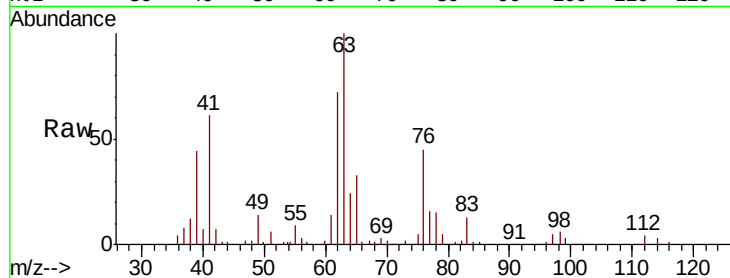
ClientSampled :

Tot Ion: 63 Resp: 98771

Ion Ratio Lower Upper

63 100

112 4.7 3.7 5.5



Abundance Ion 63.10 (62.80 to 63.80): VU038484.D (-1686) (-)

Ion 112.10 (111.80 to 112.80): VU038484.D (-1686) (-)

60000

50000

40000

30000

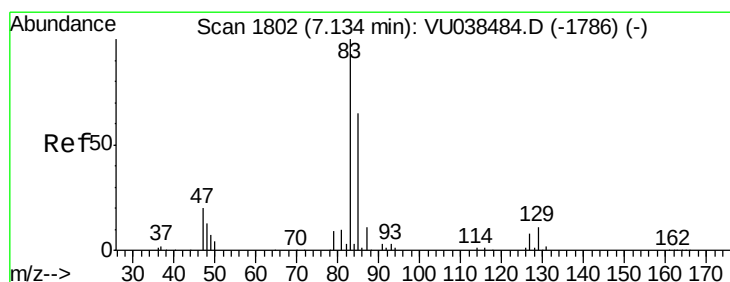
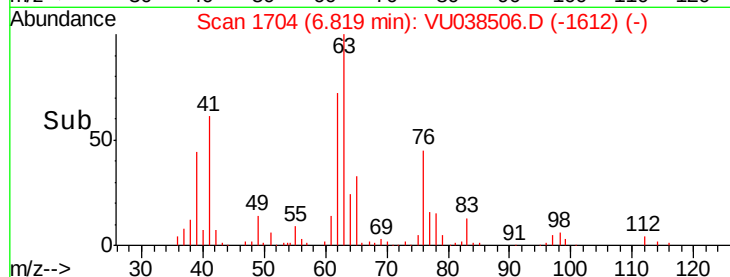
20000

10000

0

6.75 6.80 6.85 6.90

Time-->



#38

Bromodichloromethane

Concen: 4.916 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VU038506.D

Acq: 02 Jun 2020 20:09

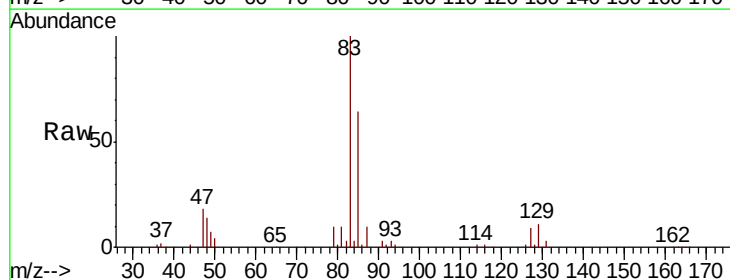
Tgt Ion: 83 Resp: 130527

Ion Ratio Lower Upper

83 100

85 64.2 44.7 83.1

127 8.9 6.8 10.2



Abundance Ion 82.95 (82.65 to 83.65): VU038484.D (-1786) (-)

Ion 85.00 (84.70 to 85.70): VU038484.D (-1786) (-)

Ion 126.90 (126.60 to 127.60): VU038484.D (-1786) (-)

80000

60000

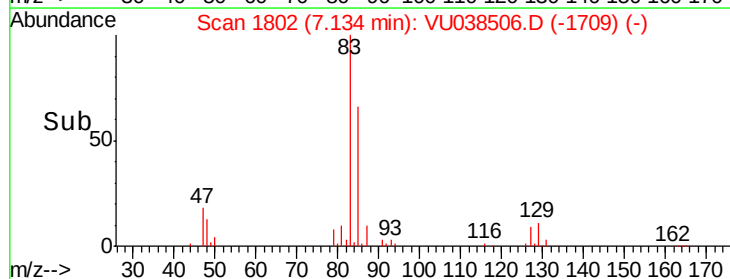
40000

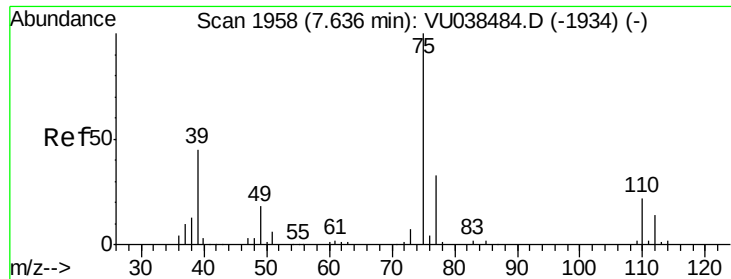
20000

0

7.05 7.10 7.15 7.20

Time-->

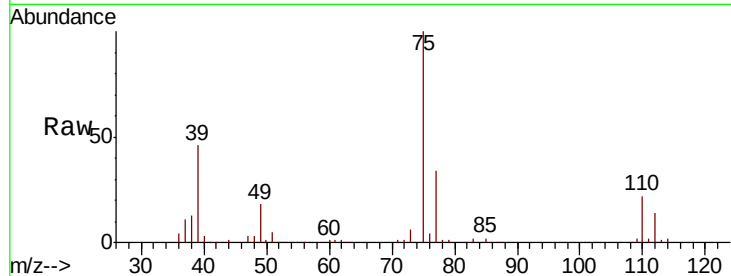




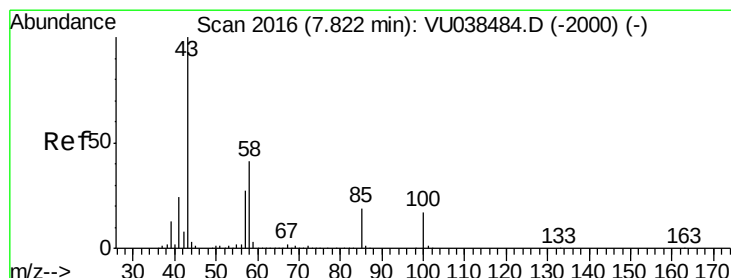
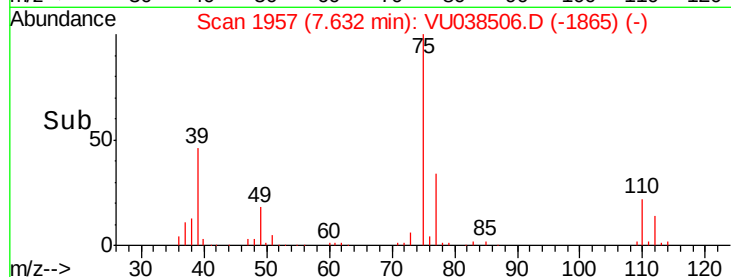
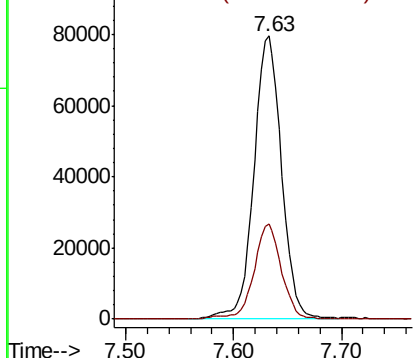
#39
 cis-1,3-Dichloropropene
 Concen: 4.481 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. -0.00 min
 Lab File: VU038506.D
 Acq: 02 Jun 2020 20:09

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 75 Resp: 141581
 Ion Ratio Lower Upper
 75 100
 77 33.7 21.9 40.7

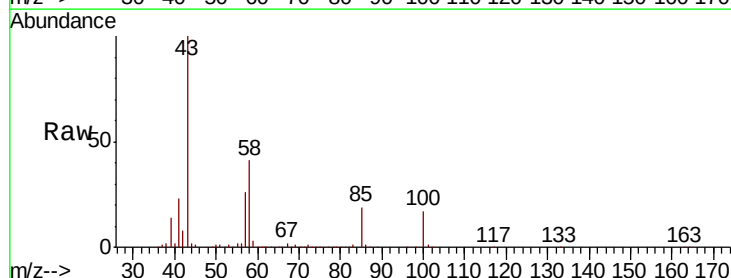


Abundance Ion 75.05 (74.75 to 75.75): VU0
 Ion 77.05 (76.75 to 77.75): VU0

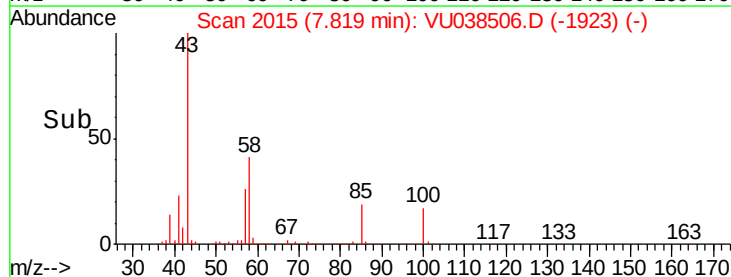
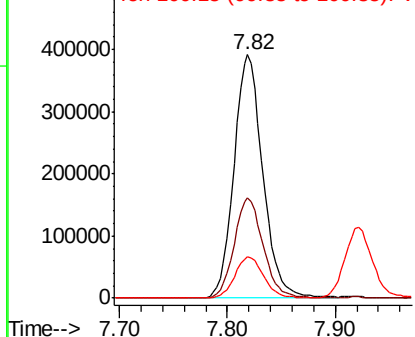


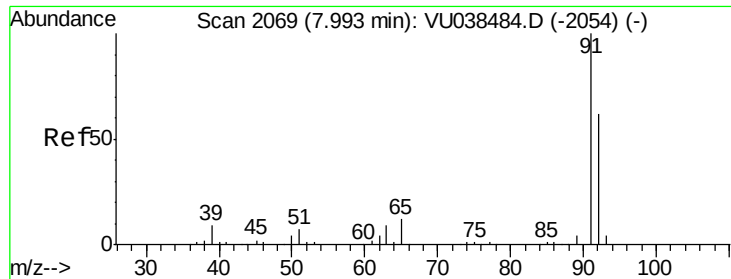
#40
 4-Methyl-2-pentanone
 Concen: 47.744 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. -0.00 min
 Lab File: VU038506.D
 Acq: 02 Jun 2020 20:09

Tgt Ion: 43 Resp: 730026
 Ion Ratio Lower Upper
 43 100
 58 41.4 32.4 48.6
 100 16.9 13.3 19.9



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 58.05 (57.75 to 58.75): VU0
 Ion 100.15 (99.85 to 100.85): VU0





#42

Toluene

Concen: 4.422 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU038506.D

Acq: 02 Jun 2020 20:09

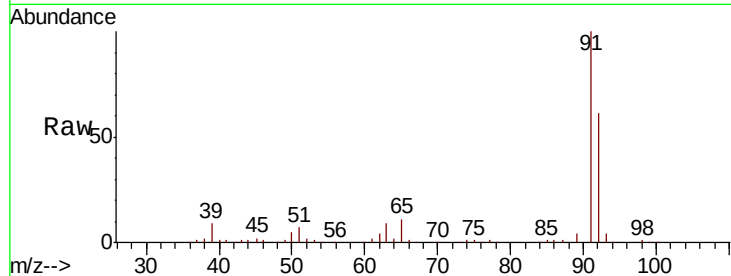
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 394061

Ion Ratio Lower Upper

91 100

92 60.6 43.0 79.8



Abundance Ion 91.15 (90.85 to 91.85): VU038484.D (-2054) (-)

Ion 92.15 (91.85 to 92.85): VU038484.D (-2054) (-)

7.99

250000

200000

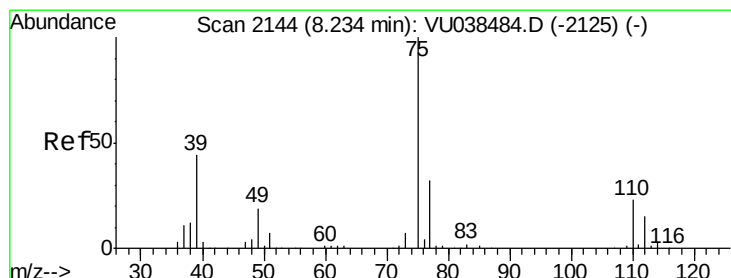
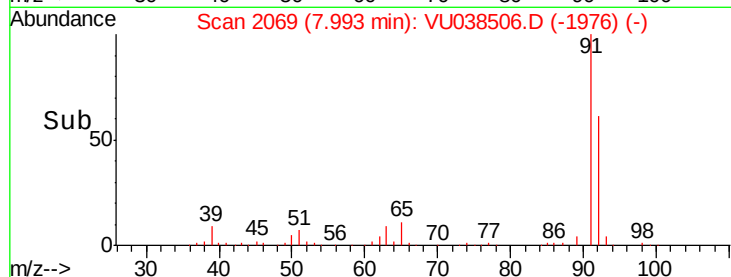
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.570 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. -0.00 min

Lab File: VU038506.D

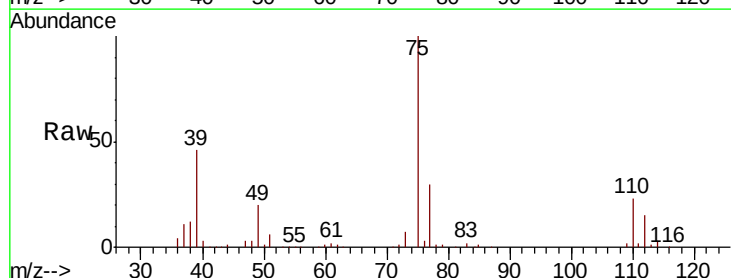
Acq: 02 Jun 2020 20:09

Tgt Ion: 75 Resp: 127531

Ion Ratio Lower Upper

75 100

77 30.4 22.1 41.1



Abundance Ion 75.05 (74.75 to 75.75): VU038484.D (-2125) (-)

Ion 77.05 (76.75 to 77.75): VU038484.D (-2125) (-)

8.23

80000

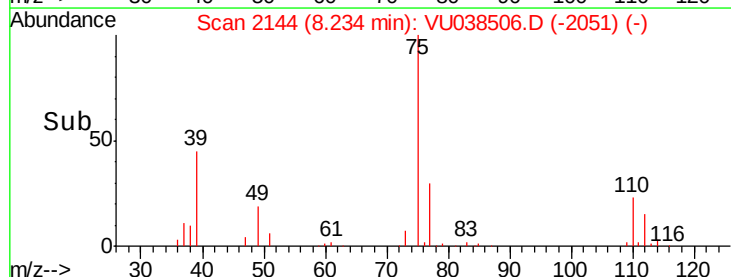
60000

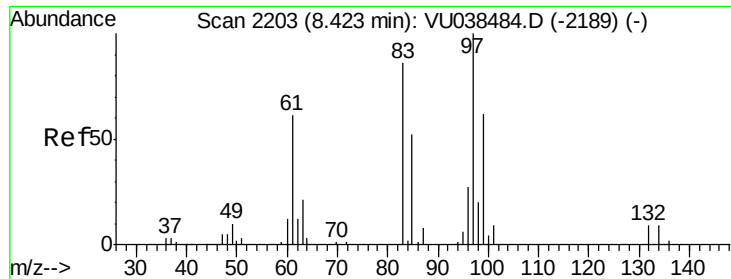
40000

20000

0

Time-->

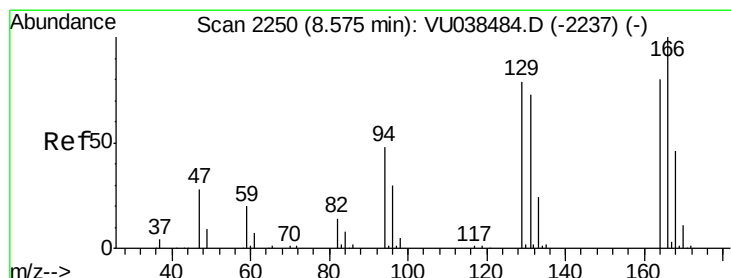
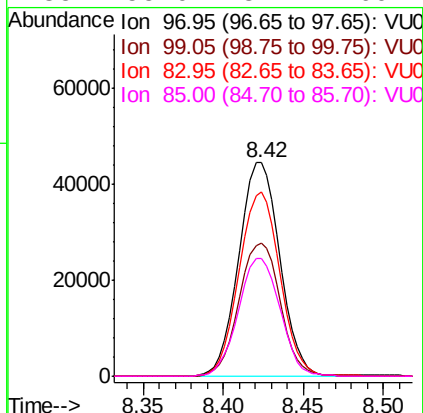
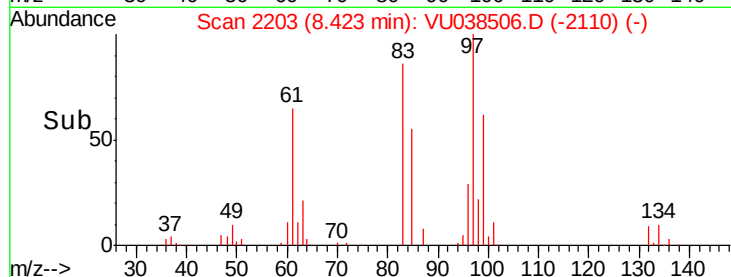
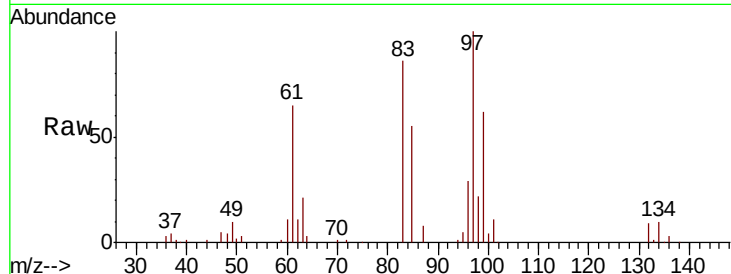




#45
1,1,2-Trichloroethane
Concen: 4.848 ug/L
RT: 8.42 min Scan# 2203
Delta R.T. -0.00 min
Lab File: VU038506.D
Acq: 02 Jun 2020 20:09

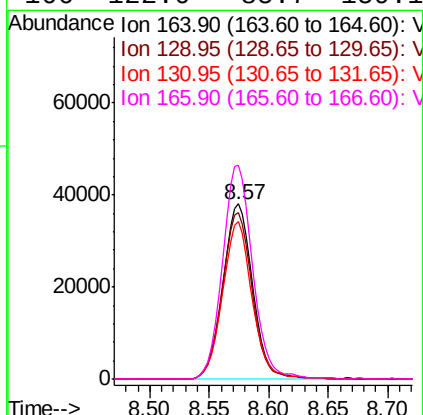
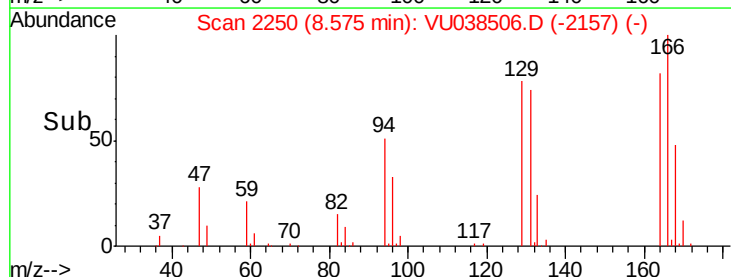
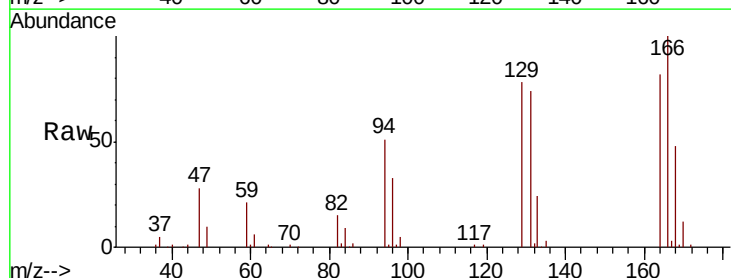
Instrument :
MSVOA_U
ClientSampleId :

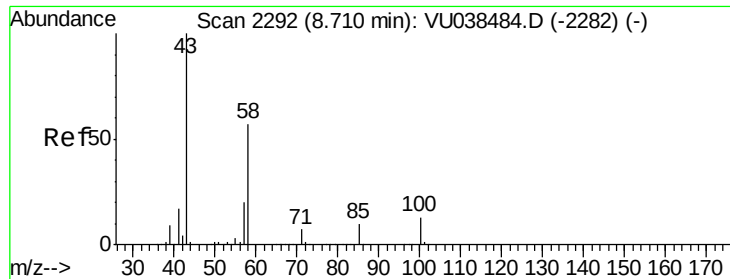
Tot Ion:	97	Resp:	78204
Ion	Ratio	Lower	Upper
97	100		
99	62.2	42.1	78.1
83	86.3	58.8	109.2
85	55.0	37.4	69.4



#47
Tetrachloroethene
Concen: 4.104 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. -0.00 min
Lab File: VU038506.D
Acq: 02 Jun 2020 20:09

Tgt Ion:	164	Resp:	65750
Ion	Ratio	Lower	Upper
164	100		
129	94.9	67.4	125.2
131	90.0	64.1	119.1
166	122.0	85.7	159.1

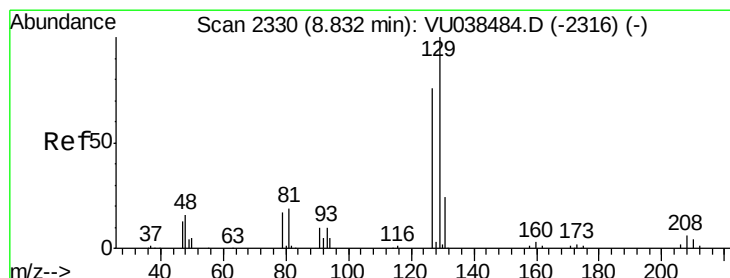
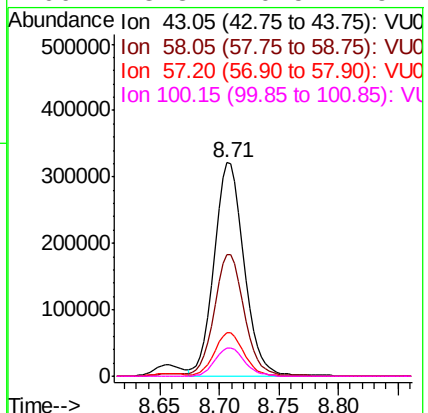
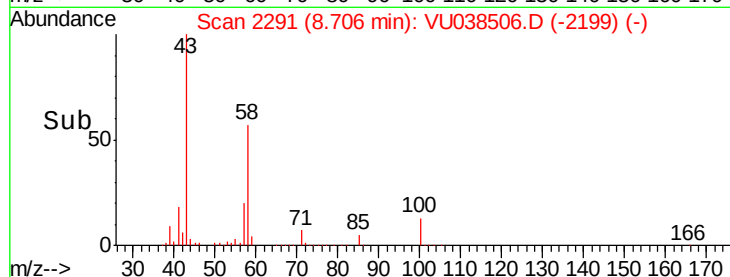
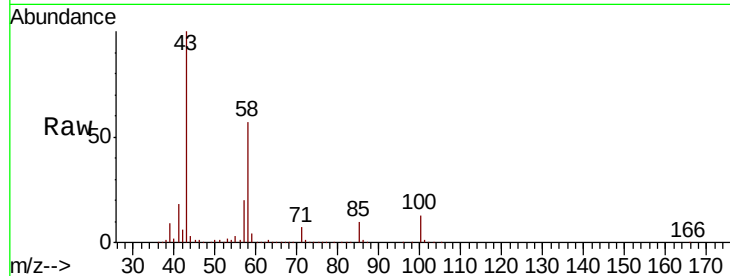




#48
2-Hexanone
Concen: 48.239 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU038506.D
Acq: 02 Jun 2020 20:09

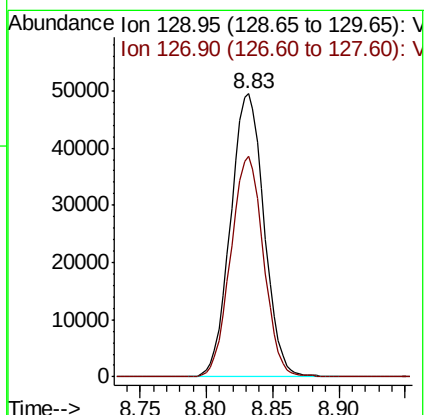
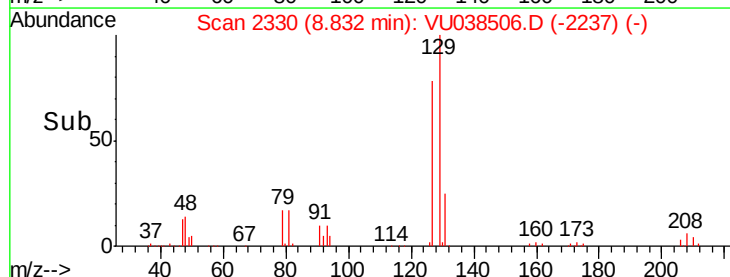
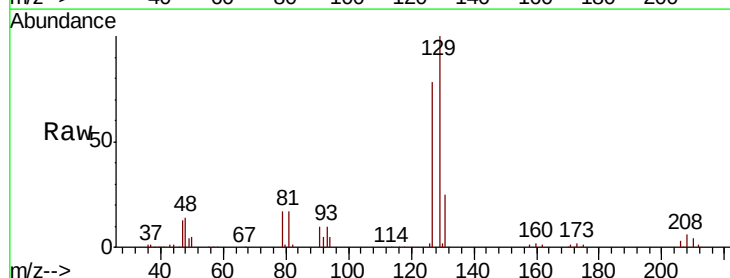
Instrument :
MSVOA_U
ClientSampleId :

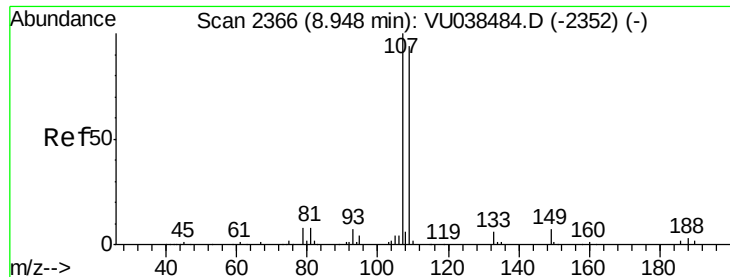
Tot Ion: 43 Resp: 558584
Ion Ratio Lower Upper
43 100
58 57.7 45.4 68.0
57 20.5 15.9 23.9
100 13.3 10.5 15.7



#49
Dibromochloromethane
Concen: 4.999 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU038506.D
Acq: 02 Jun 2020 20:09

Tgt Ion: 129 Resp: 87040
Ion Ratio Lower Upper
129 100
127 78.0 53.3 99.1

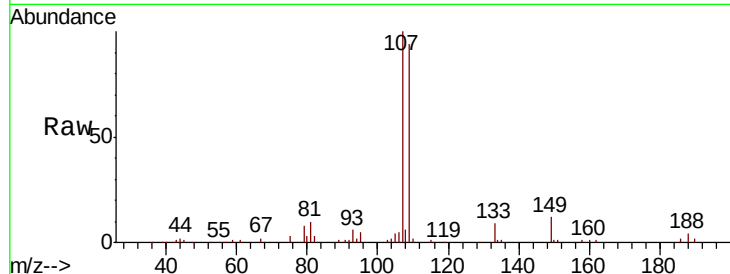




#50
1,2-Dibromoethane
Concen: 4.730 ug/L
RT: 8.94 min Scan# 2365
Delta R.T. -0.00 min
Lab File: VU038506.D
Acq: 02 Jun 2020 20:09

Instrument :
MSVOA_U
ClientSampled :

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.2	67.0	124.4
188	3.9	3.0	4.4

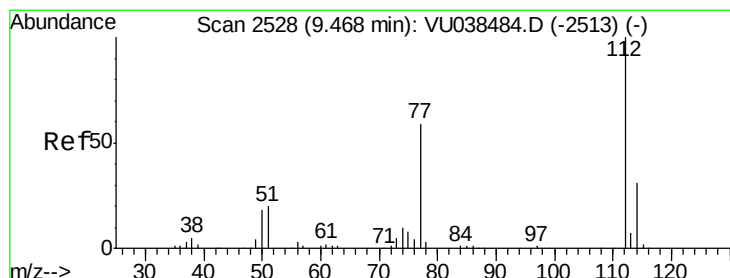
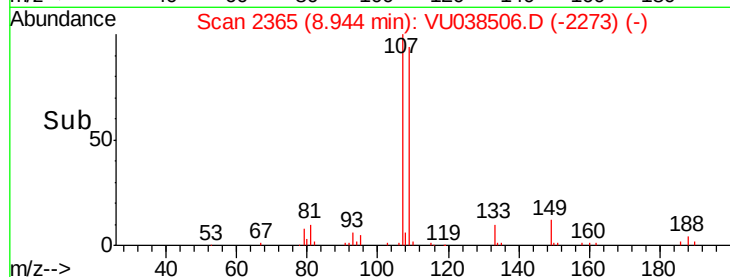
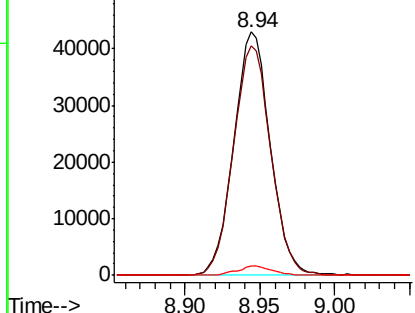


Abundance

Ion 106.95 (106.65 to 107.65): V

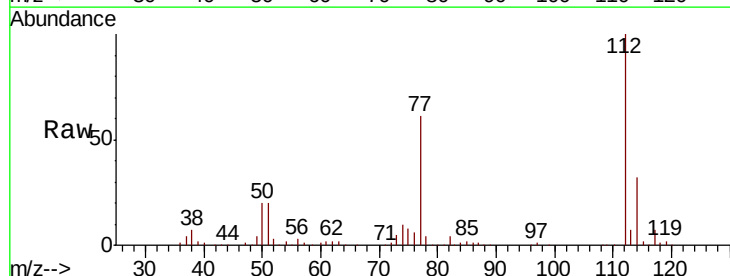
Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51
Chlorobenzene
Concen: 4.443 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. -0.00 min
Lab File: VU038506.D
Acq: 02 Jun 2020 20:09

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.5	22.4	41.6
77	60.9	47.1	70.7

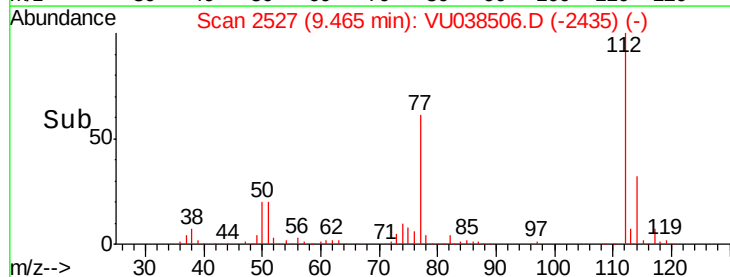
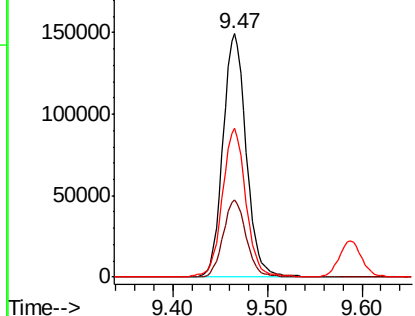


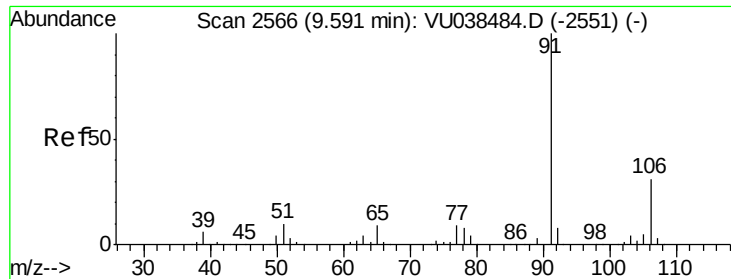
Abundance

Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU





#52

Ethylbenzene

Concen: 4.203 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU038506.D

Acq: 02 Jun 2020 20:09

Instrument :

MSVOA_U

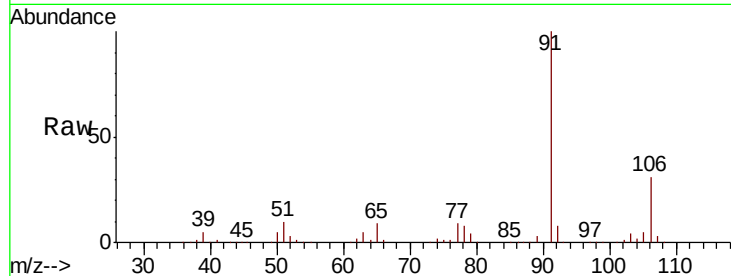
ClientSampled :

Tot Ion: 91 Resp: 416733

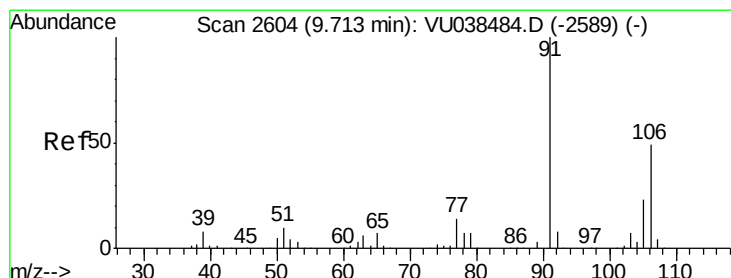
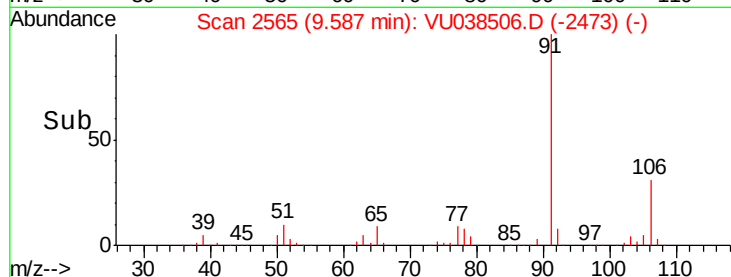
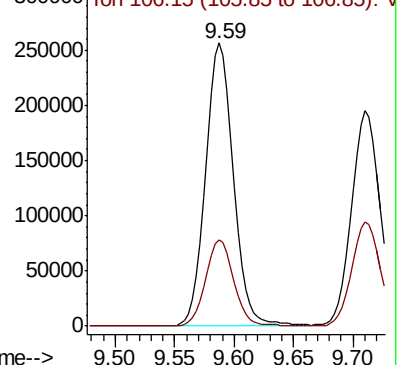
Ion Ratio Lower Upper

91 100

106 30.6 21.7 40.3



Abundance Ion 91.15 (90.85 to 91.85): VU038484.D (-2551) (-)



#53

m,p-Xylene

Concen: 4.197 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VU038506.D

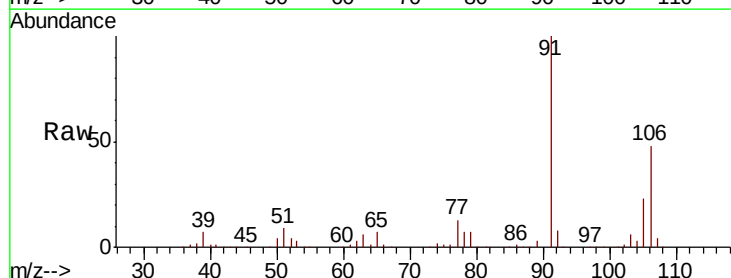
Acq: 02 Jun 2020 20:09

Tgt Ion: 106 Resp: 160034

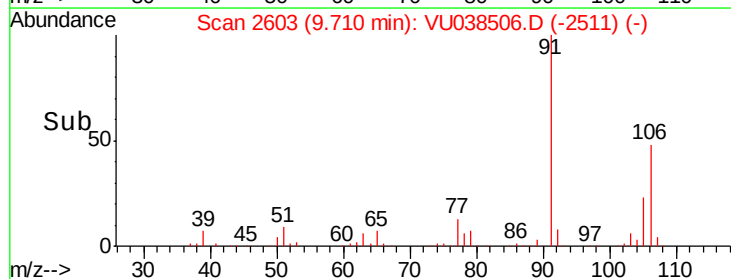
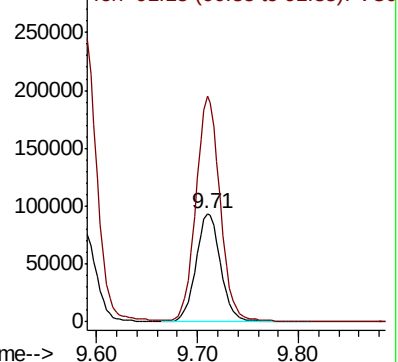
Ion Ratio Lower Upper

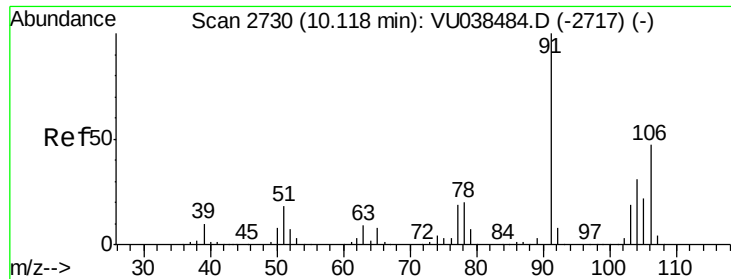
106 100

91 207.7 138.1 256.5



Abundance Ion 106.15 (105.85 to 106.85): VU038506.D (-2511) (-)

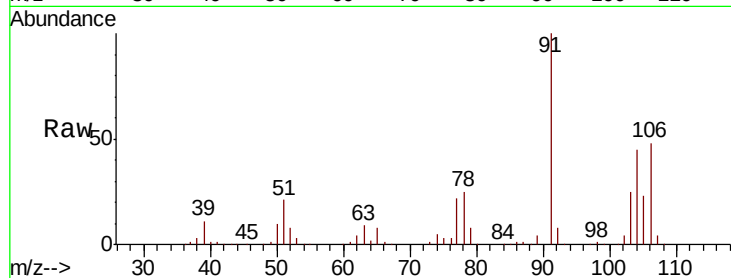




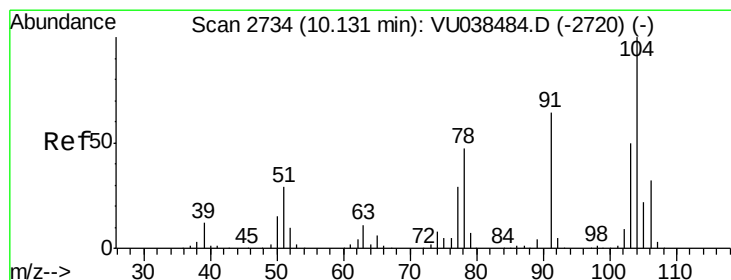
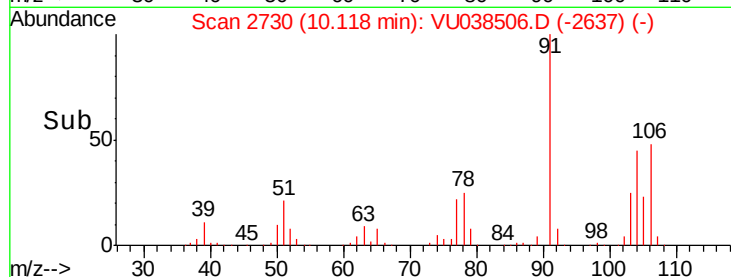
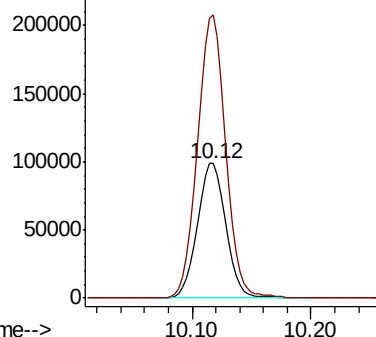
#54
o-Xylene
Concen: 4.477 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. -0.00 min
Lab File: VU038506.D
Acq: 02 Jun 2020 20:09

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 163882
Ion Ratio Lower Upper
106 100
91 210.1 150.6 279.8

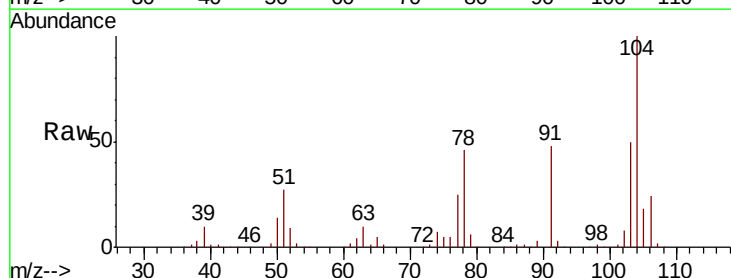


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

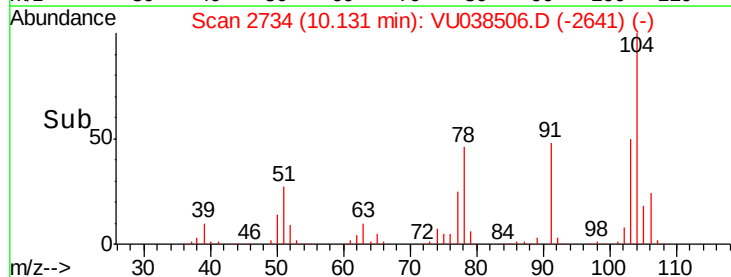
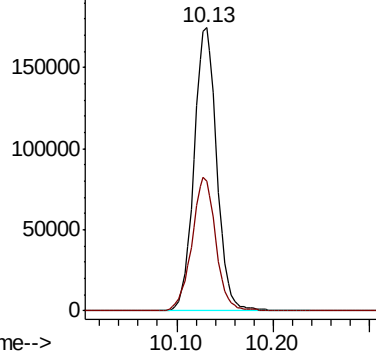


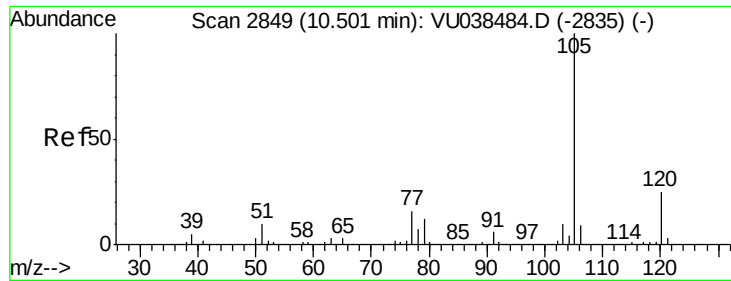
#55
Styrene
Concen: 4.578 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VU038506.D
Acq: 02 Jun 2020 20:09

Tgt Ion:104 Resp: 284437
Ion Ratio Lower Upper
104 100
78 45.8 31.9 59.3



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 4.108 ug/L

RT: 10.50 min Scan# 2848

Delta R.T. -0.00 min

Lab File: VU038506.D

Acq: 02 Jun 2020 20:09

Instrument :

MSVOA_U

ClientSampleId :

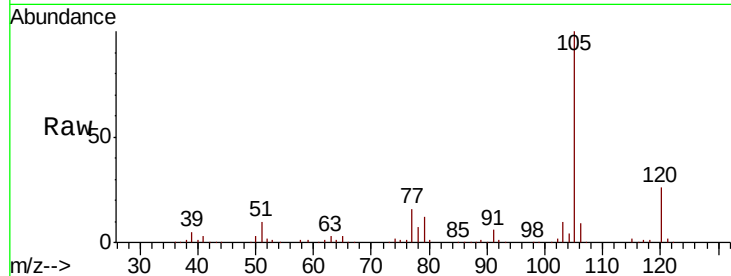
Tot Ion:105 Resp: 395751

Ion Ratio Lower Upper

105 100

120 25.8 20.7 31.1

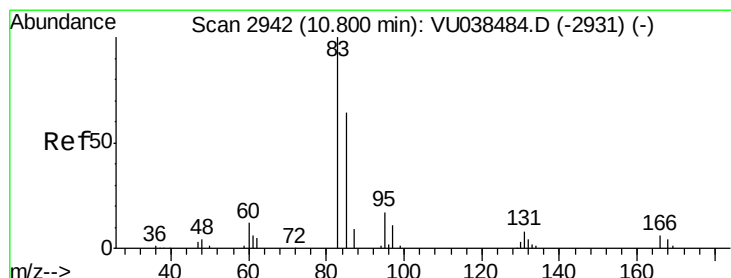
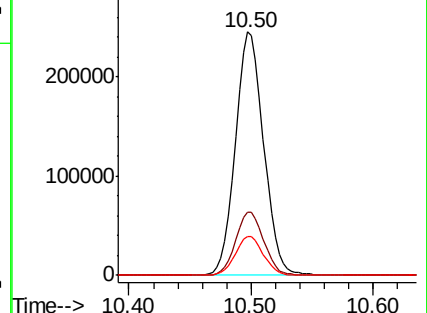
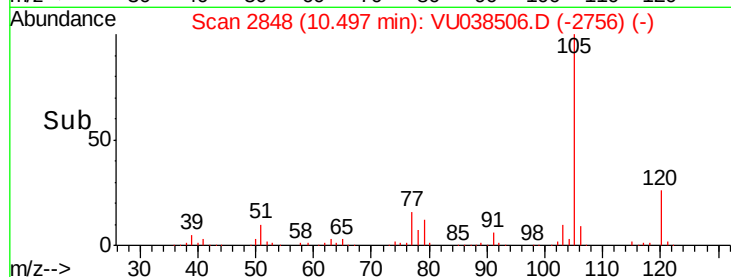
77 16.1 12.5 18.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.718 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. -0.00 min

Lab File: VU038506.D

Acq: 02 Jun 2020 20:09

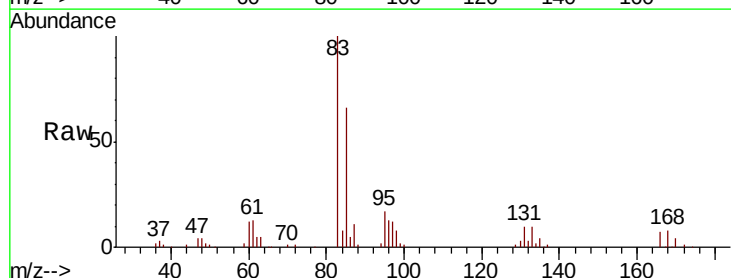
Tgt Ion: 83 Resp: 96710

Ion Ratio Lower Upper

83 100

85 65.7 44.2 82.0

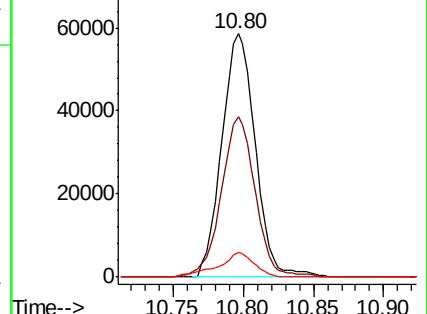
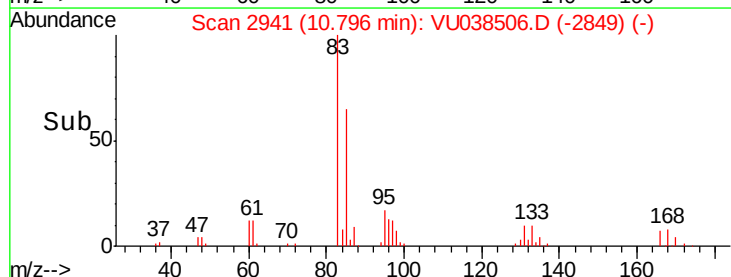
131 9.9 8.1 12.1

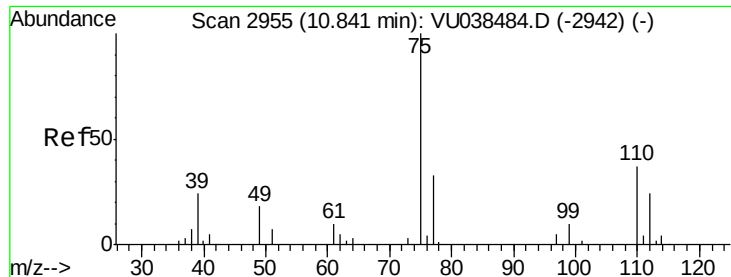


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.832 ug/L

RT: 10.84 min Scan# 2954

Delta R.T. -0.00 min

Lab File: VU038506.D

Acq: 02 Jun 2020 20:09

Instrument :

MSVOA_U

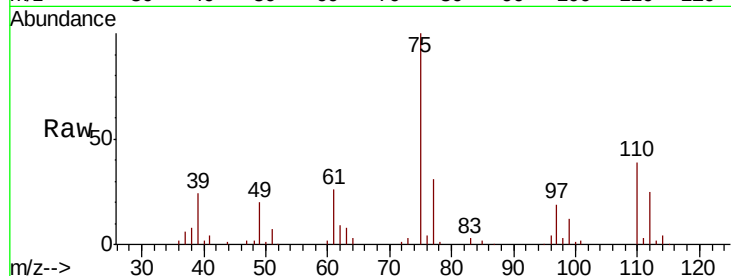
ClientSampled :

Tot Ion: 75 Resp: 77114

Ion Ratio Lower Upper

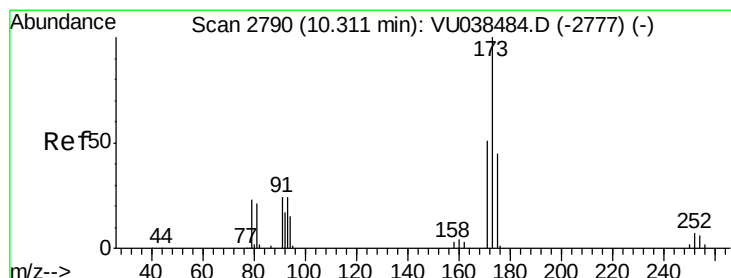
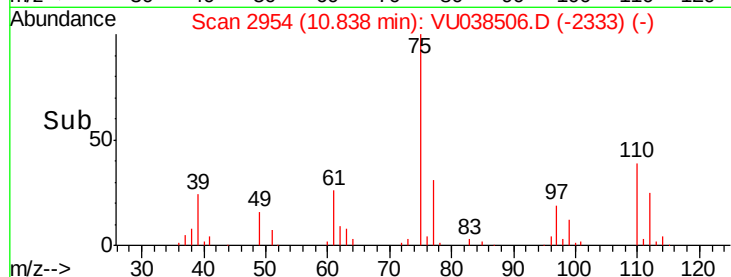
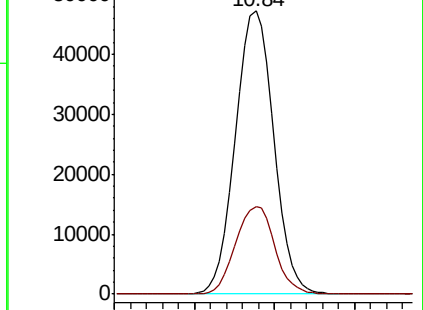
75 100

77 31.5 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU038484.D (-2942) (-)

Ion 77.00 (76.70 to 77.70): VU038484.D (-2942) (-)



#61

Bromoform

Concen: 4.979 ug/L

RT: 10.31 min Scan# 2789

Delta R.T. -0.00 min

Lab File: VU038506.D

Acq: 02 Jun 2020 20:09

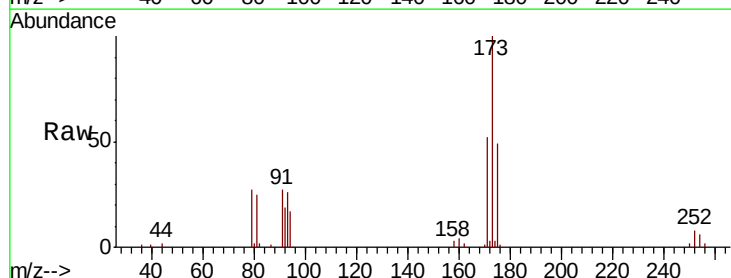
Tgt Ion: 173 Resp: 47253

Ion Ratio Lower Upper

173 100

175 48.2 38.7 58.1

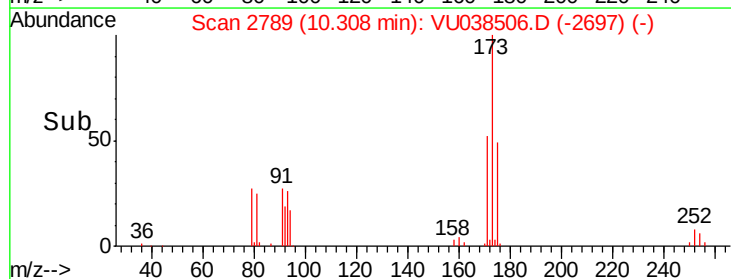
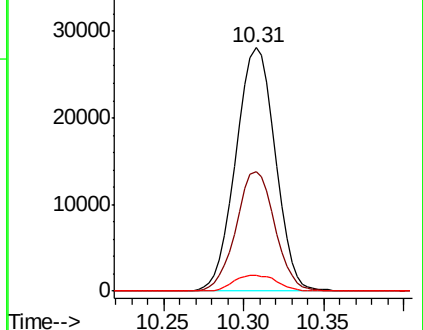
254 7.0 5.4 8.2

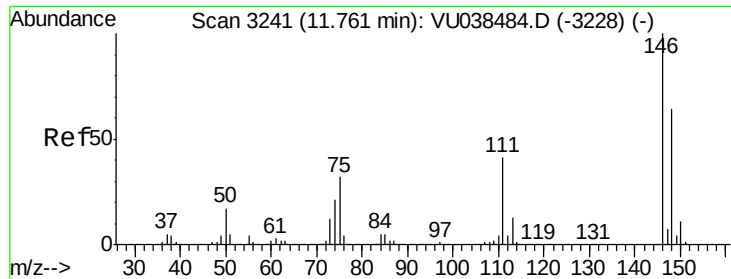


Abundance Ion 172.90 (172.60 to 173.60): VU038484.D (-2777) (-)

Ion 174.90 (174.60 to 175.60): VU038484.D (-2777) (-)

Ion 253.75 (253.45 to 254.45): VU038484.D (-2777) (-)

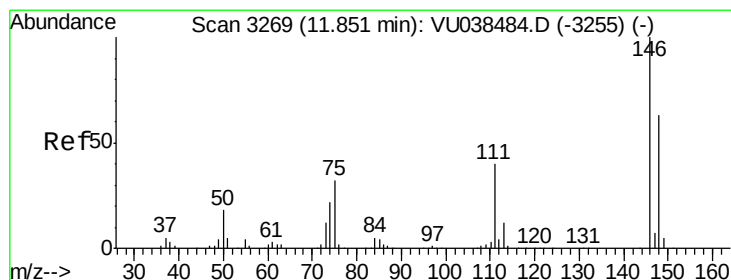
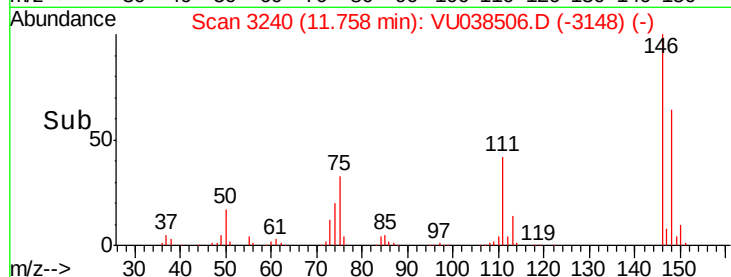
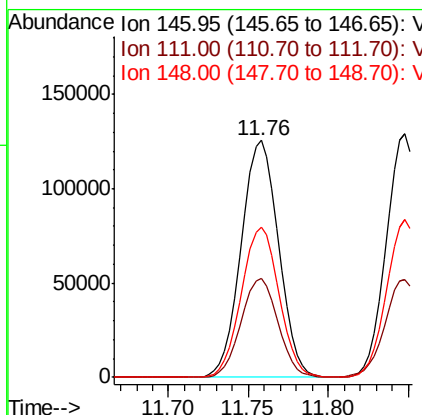
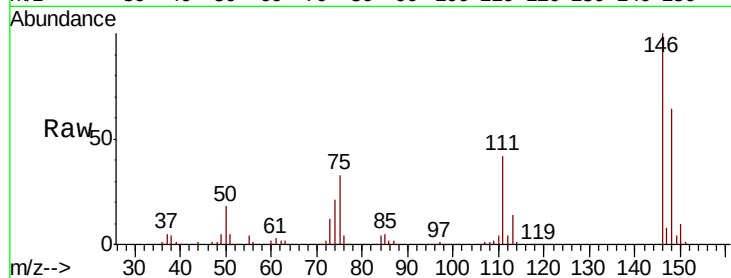




#62
 1,3-Dichlorobenzene
 Concen: 4.467 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. -0.00 min
 Lab File: VU038506.D
 Acq: 02 Jun 2020 20:09

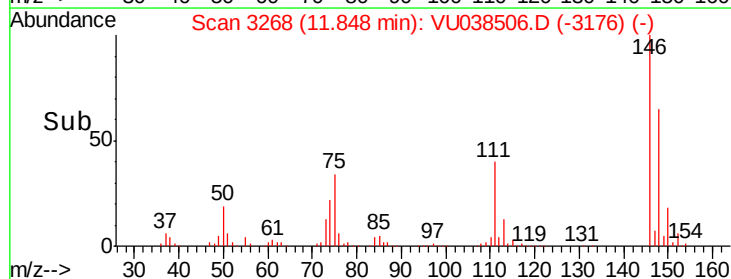
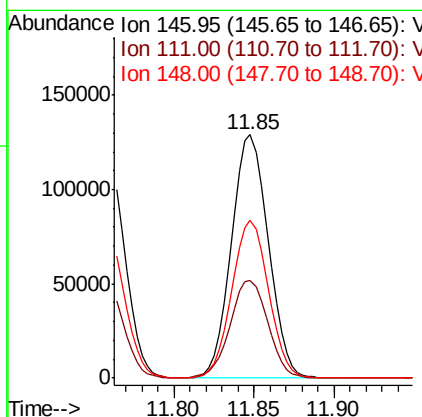
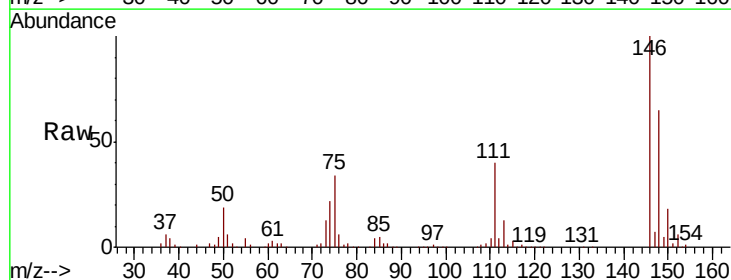
Instrument :
 MSVOA_U
 ClientSampleId :

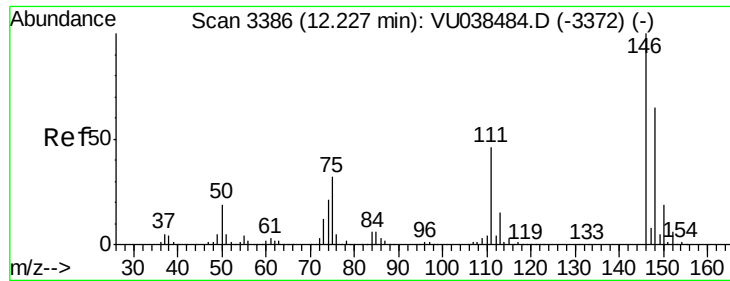
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	29.5	54.9
148	63.6	45.6	84.6



#63
 1,4-Dichlorobenzene
 Concen: 4.465 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. -0.00 min
 Lab File: VU038506.D
 Acq: 02 Jun 2020 20:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	27.6	51.2
148	64.7	44.8	83.2

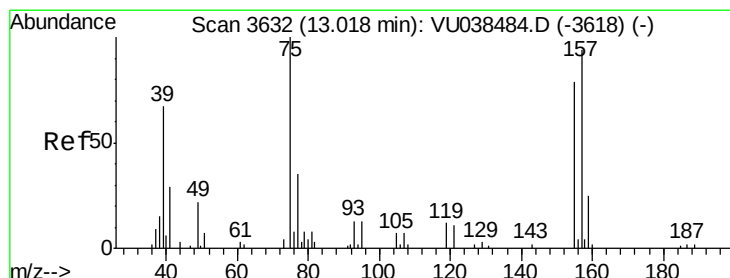
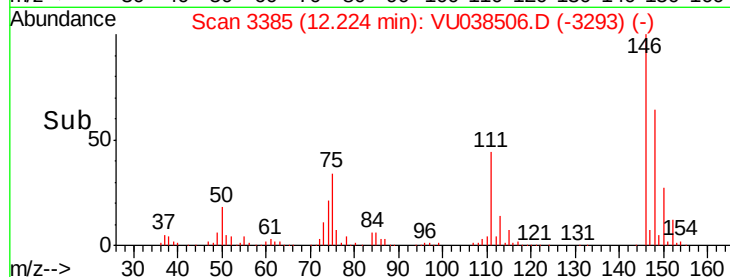
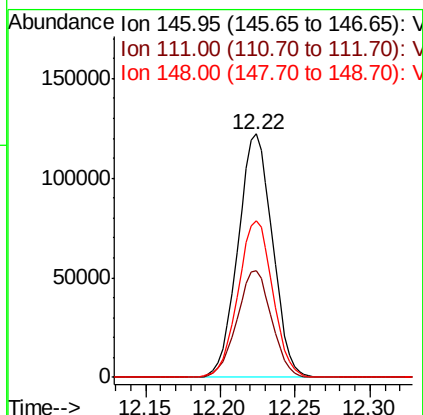
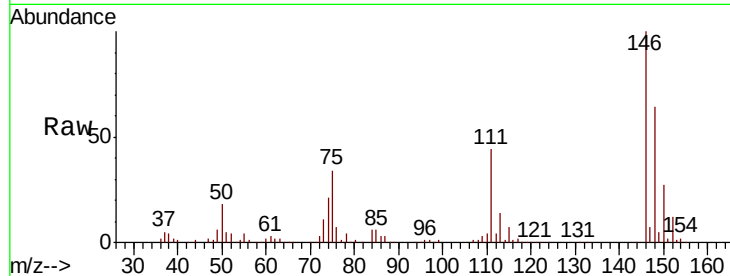




#65
 1,2-Dichlorobenzene
 Concen: 4.606 ug/L
 RT: 12.22 min Scan# 3385
 Delta R.T. -0.00 min
 Lab File: VU038506.D
 Acq: 02 Jun 2020 20:09

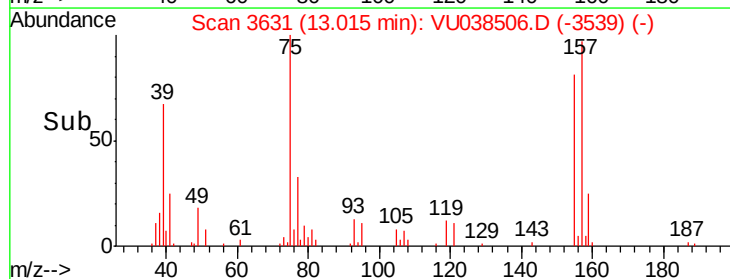
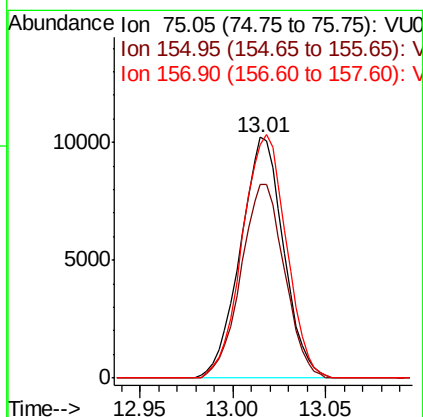
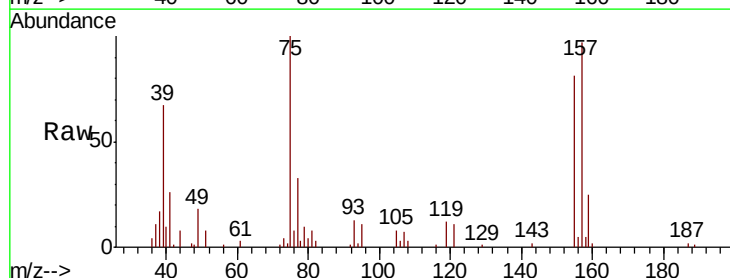
Instrument :
 MSVOA_U
 ClientSampled :

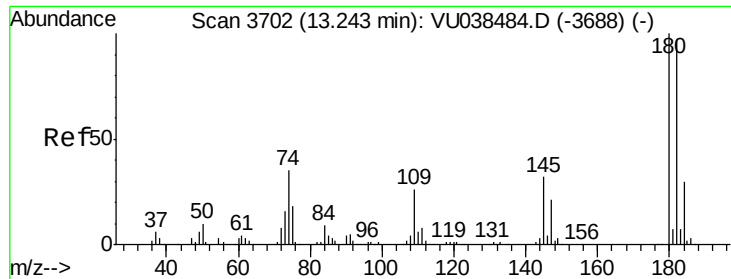
Tot Ion:146 Resp: 195775
 Ion Ratio Lower Upper
 146 100
 111 43.9 35.1 52.7
 148 64.4 50.9 76.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.793 ug/L
 RT: 13.01 min Scan# 3631
 Delta R.T. -0.00 min
 Lab File: VU038506.D
 Acq: 02 Jun 2020 20:09

Tgt Ion: 75 Resp: 16492
 Ion Ratio Lower Upper
 75 100
 155 80.6 59.6 89.4
 157 97.2 79.8 119.6

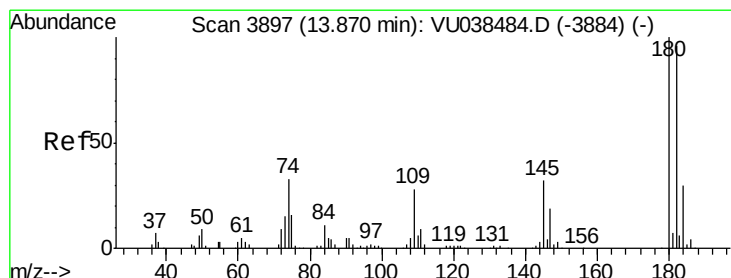
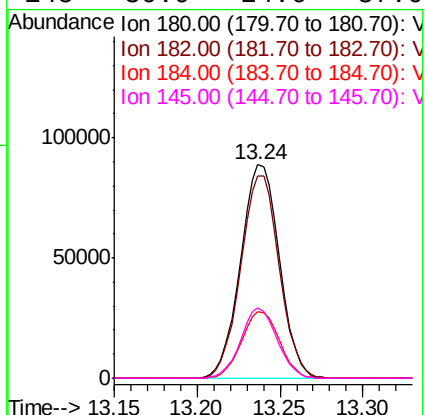
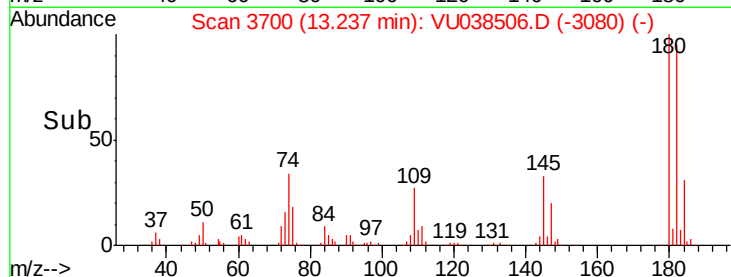
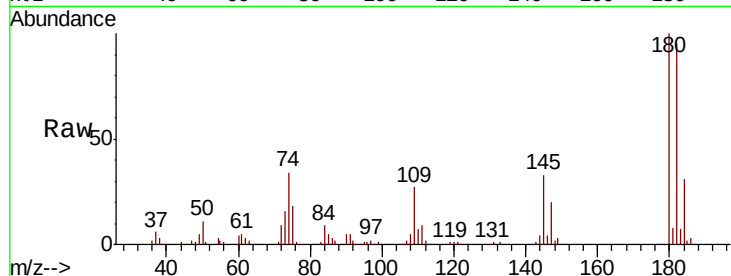




#67
 1,3,5-Trichlorobenzene
 Concen: 4.325 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. -0.01 min
 Lab File: VU038506.D
 Acq: 02 Jun 2020 20:09

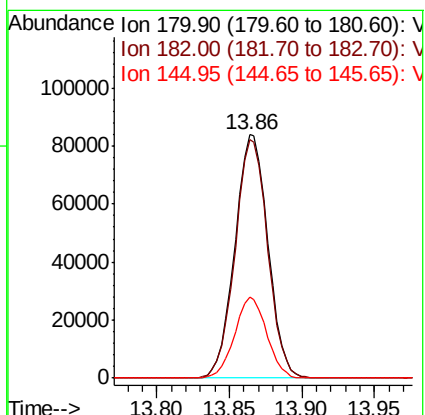
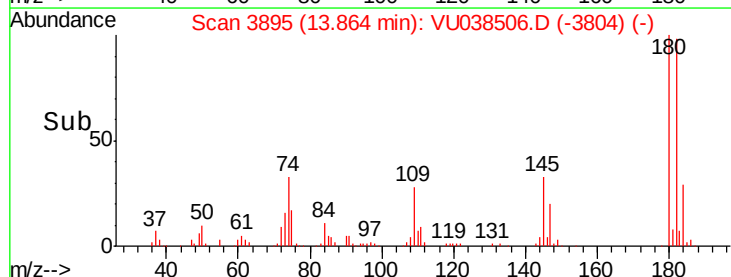
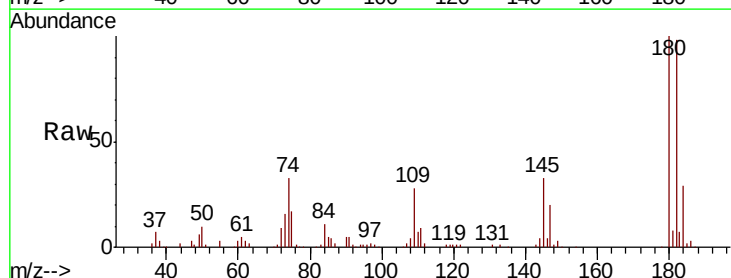
Instrument :
 MSVOA_U
 ClientSampleId :

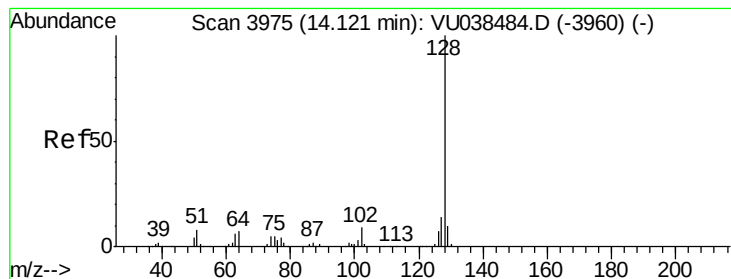
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	76.8	115.2
184	30.5	25.1	37.7
145	30.9	24.6	37.0



#68
 1,2,4-trichlorobenzene
 Concen: 4.283 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. -0.01 min
 Lab File: VU038506.D
 Acq: 02 Jun 2020 20:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.9	75.8	113.8
145	32.2	25.3	37.9





#69

Naphthalene

Concen: 4.564 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.01 min

Lab File: VU038506.D

Acq: 02 Jun 2020 20:09

Instrument :

MSVOA_U

ClientSampleId :

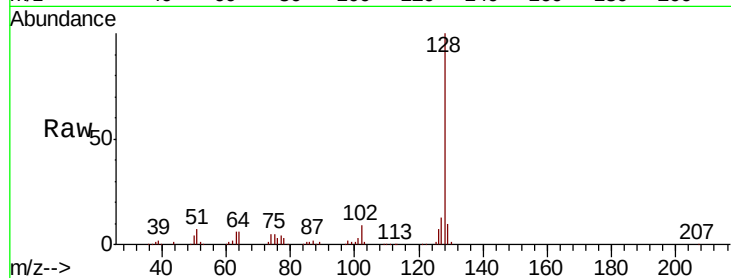
Tot Ion:128 Resp: 280722

Ion Ratio Lower Upper

128 100

129 11.2 8.9 13.3

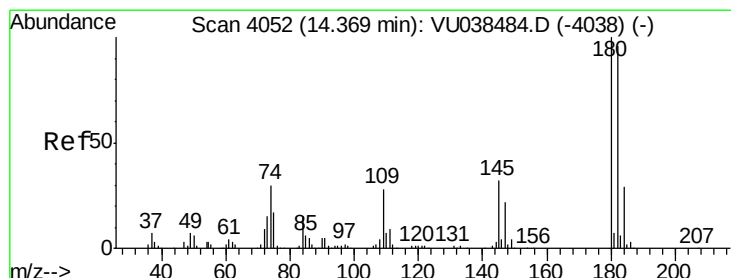
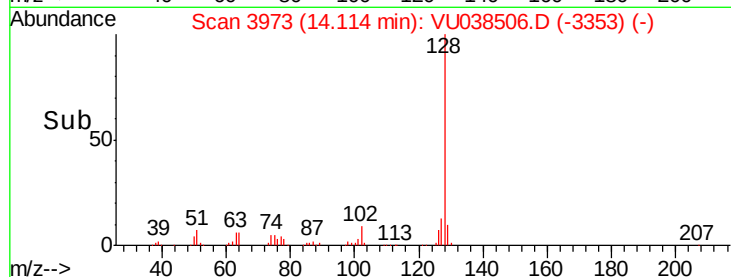
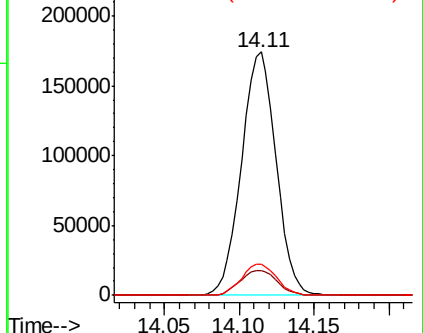
127 13.1 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.528 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. -0.01 min

Lab File: VU038506.D

Acq: 02 Jun 2020 20:09

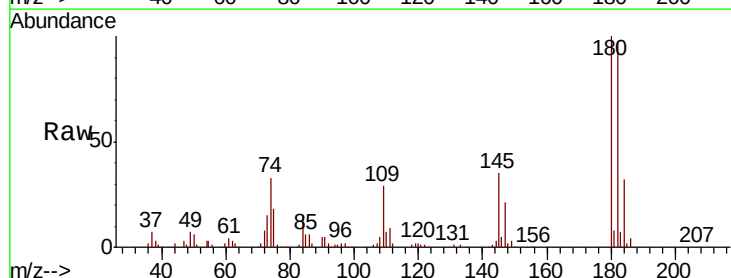
Tgt Ion:180 Resp: 127340

Ion Ratio Lower Upper

180 100

182 96.8 78.7 118.1

145 34.7 27.5 41.3



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

