

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051420\
 Data File : VU038185.D
 Acq On : 14 May 2020 21:19
 Operator : JC/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 15 01:10:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 15 01:05:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	353566	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	345064	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	166949	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	148465	4.59	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.80%
7) Chloroethane-d5	1.93	69	132622	4.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.80%
11) 1,1-Dichloroethene-d2	2.59	63	237172	4.39	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.80%
20) 2-Butanone-d5	4.67	46	468414	58.70	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.40%
24) Chloroform-d	5.10	84	245369	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.00%
26) 1,2-Dichloroethane-d4	5.74	65	146319	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.00%
32) Benzene-d6	5.76	84	502632	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.20%
36) 1,2-Dichloropropane-d6	6.72	67	167388	5.02	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.40%
41) Toluene-d8	7.92	98	446493	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.20%
43) trans-1,3-Dichloropropene-	8.20	79	66054	4.94	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.80%
46) 2-Hexanone-d5	8.65	63	351965	55.75	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.50%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	142714	5.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.40%
64) 1,2-Dichlorobenzene-d4	12.20	152	166575	5.13	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	137199	4.243	ug/L	98
3) Chloromethane	1.53	50	162467	4.169	ug/L	97
5) Vinyl chloride	1.62	62	169337	4.435	ug/L	99
6) Bromomethane	1.87	94	53342	2.454	ug/L	99
8) Chloroethane	1.95	64	104727	4.459	ug/L	97
9) Trichlorofluoromethane	2.16	101	175794	4.503	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	105641	4.364	ug/L	99
12) 1,1-Dichloroethene	2.61	96	109614	4.467	ug/L	91
13) Acetone	2.66	43	247888	49.517	ug/L	96
14) Carbon disulfide	2.82	76	358291	4.094	ug/L	100
15) Methyl Acetate	2.98	43	66429	4.744	ug/L	100
16) Methylene chloride	3.08	84	129804	4.538	ug/L	97
17) Methyl tert-butyl Ether	3.40	73	304100	4.460	ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	118678	4.430	ug/L	98
19) 1,1-Dichloroethane	3.91	63	242022	4.626	ug/L	99
21) 2-Butanone	4.75	43	448522	50.760	ug/L	99
22) cis-1,2-Dichloroethene	4.71	96	133768	4.634	ug/L	97

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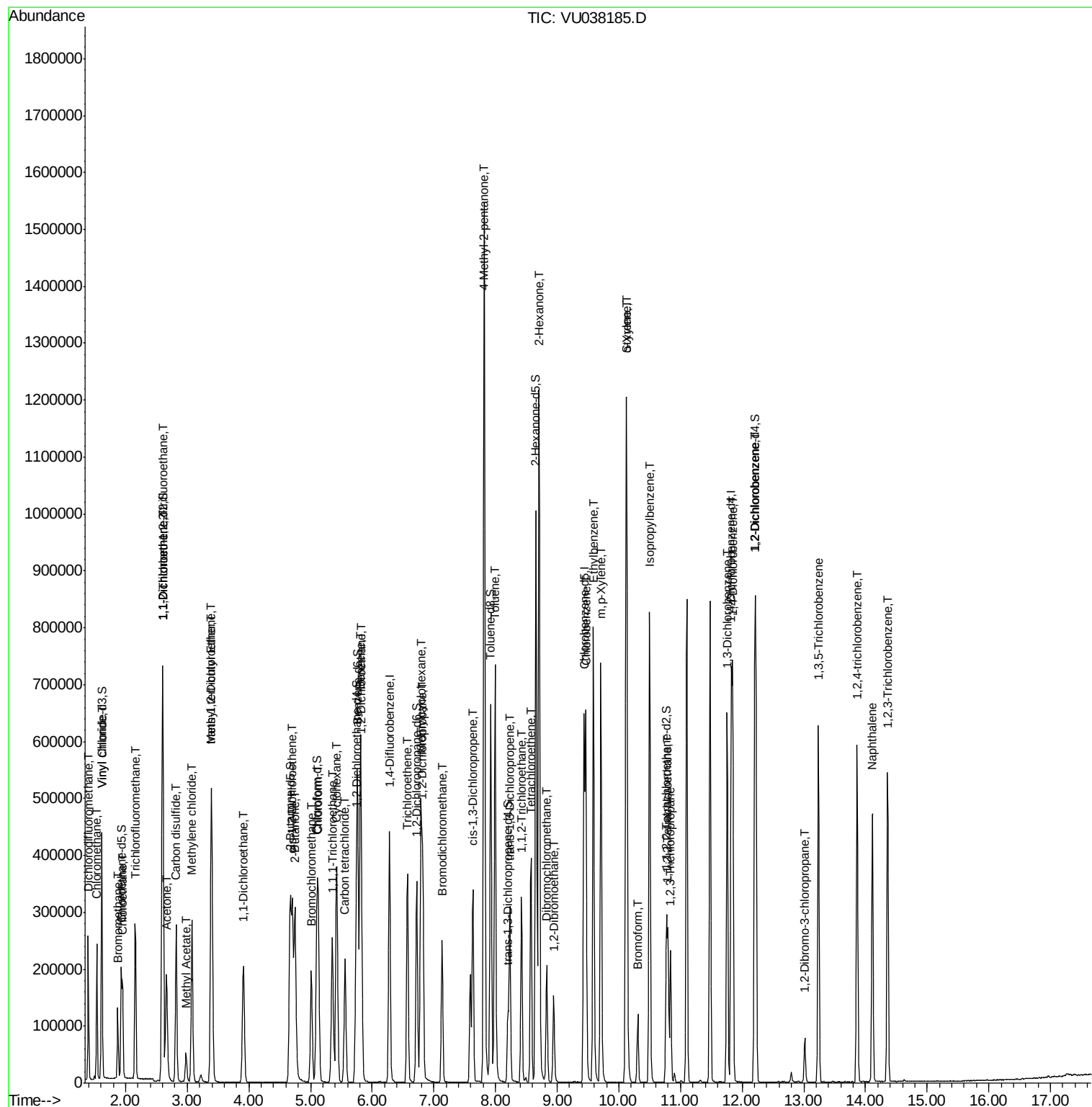
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	58321	4.695	ug/L	94
25) Chloroform	5.13	83	228167	4.676	ug/L	99
27) 1,2-Dichloroethane	5.83	62	162577	4.719	ug/L	98
29) 1,1,1-Trichloroethane	5.35	97	183163	4.633	ug/L	99
30) Cyclohexane	5.42	56	196194	4.203	ug/L	100
31) Carbon tetrachloride	5.56	117	143586	4.519	ug/L	99
33) Benzene	5.81	78	519379	4.700	ug/L	100
34) Trichloroethene	6.57	95	123159	4.456	ug/L	96
35) Methylcyclohexane	6.79	83	190117	4.247	ug/L	97
37) 1,2-Dichloropropane	6.82	63	138930	4.629	ug/L	100
38) Bromodichloromethane	7.13	83	160254	4.619	ug/L	99
39) cis-1,3-Dichloropropene	7.63	75	196045	4.564	ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	1021778	49.119	ug/L	100
42) Toluene	7.99	91	530432	4.547	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	166279	4.552	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	99709	4.784	ug/L	97
47) Tetrachloroethene	8.57	164	85335	4.414	ug/L	100
48) 2-Hexanone	8.71	43	773997	50.806	ug/L	100
49) Dibromochloromethane	8.83	129	100825	4.661	ug/L	98
50) 1,2-Dibromoethane	8.94	107	93273	4.822	ug/L	99
51) Chlorobenzene	9.47	112	333401	4.606	ug/L	100
52) Ethylbenzene	9.59	91	567255	4.489	ug/L	99
53) m,p-Xylene	9.71	106	219268	4.526	ug/L	95
54) o-Xylene	10.11	106	213650	4.561	ug/L	97
55) Styrene	10.13	104	365696	4.650	ug/L	97
56) Isopropylbenzene	10.50	105	544084	4.522	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	128992	4.874	ug/L	98
59) 1,2,3-Trichloropropane	10.84	75	96990	4.815	ug/L	99
61) Bromoform	10.31	173	51701	4.582	ug/L	97
62) 1,3-Dichlorobenzene	11.76	146	252570	4.650	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	257166	4.672	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	246194	4.711	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.01	75	18941	4.435	ug/L	94
67) 1,3,5-Trichlorobenzene	13.24	180	181072	4.594	ug/L	100
68) 1,2,4-trichlorobenzene	13.86	180	167861	4.695	ug/L	99
69) Naphthalene	14.11	128	359585	4.778	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	158240	4.762	ug/L	100

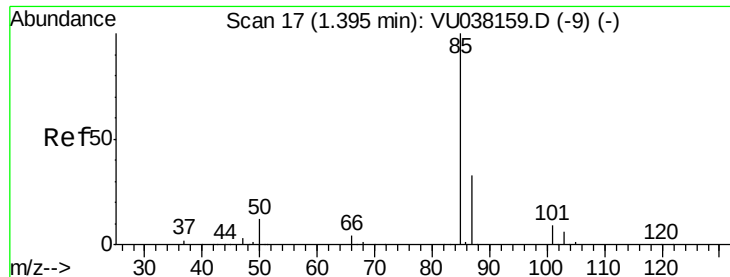
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.243 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU038185.D

Acq: 14 May 2020 21:19

Instrument :

MSVOA_U

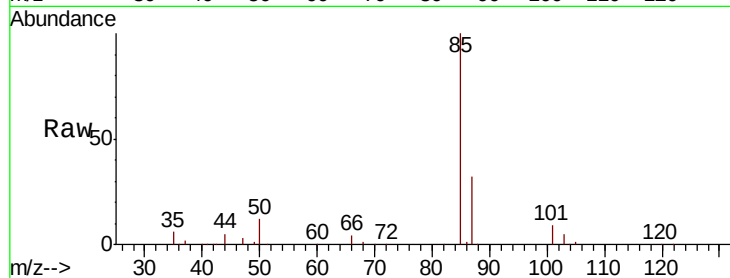
ClientSampleId :

Tot Ion: 85 Resp: 137199

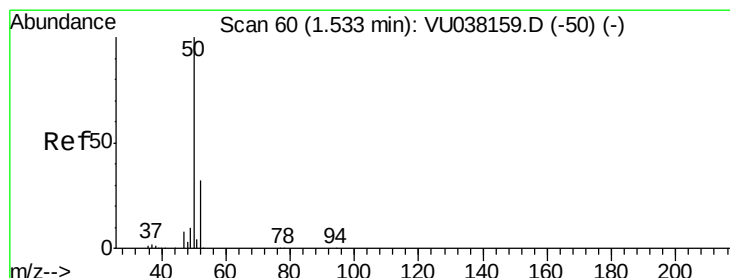
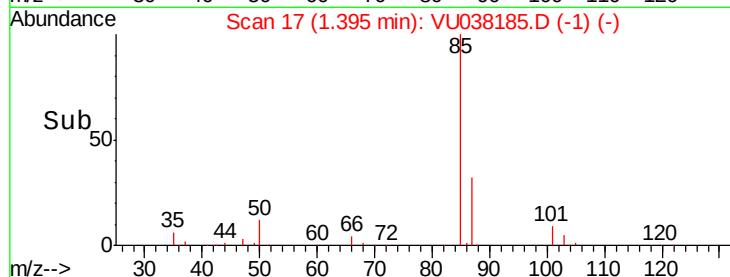
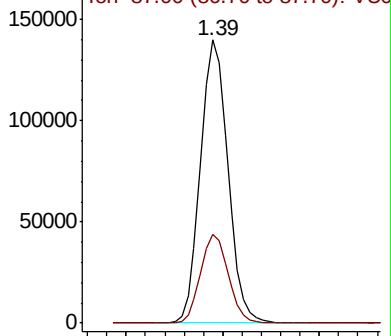
Ion Ratio Lower Upper

85 100

87 31.7 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU038185.D (-9) (-)



#3

Chloromethane

Concen: 4.169 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU038185.D

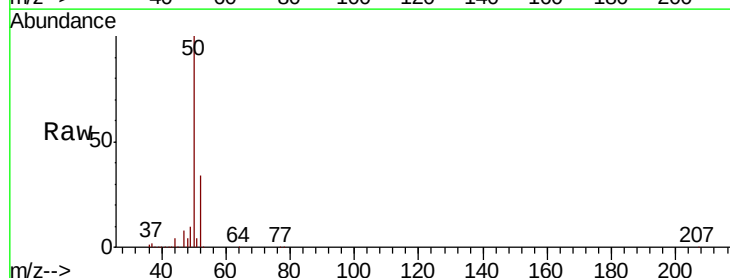
Acq: 14 May 2020 21:19

Tgt Ion: 50 Resp: 162467

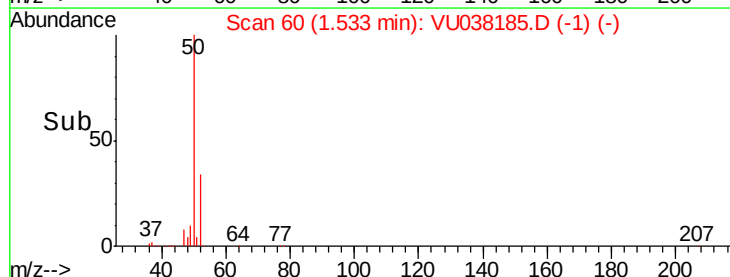
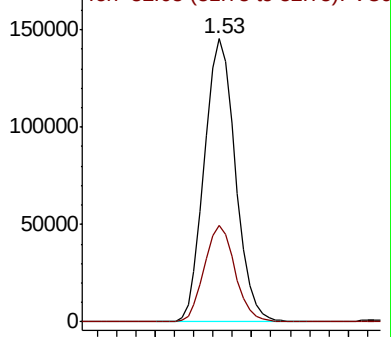
Ion Ratio Lower Upper

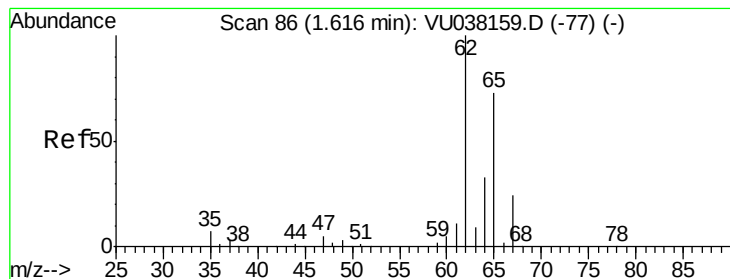
50 100

52 34.1 22.5 41.7



Abundance Ion 50.05 (49.75 to 50.75): VU038185.D (-50) (-)





#5

Vinyl chloride

Concen: 4.435 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU038185.D

Acq: 14 May 2020 21:19

Instrument :

MSVOA_U

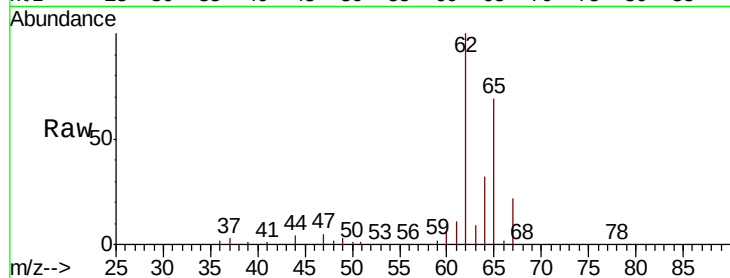
ClientSampleId :

Tot Ion: 62 Resp: 169337

Ion Ratio Lower Upper

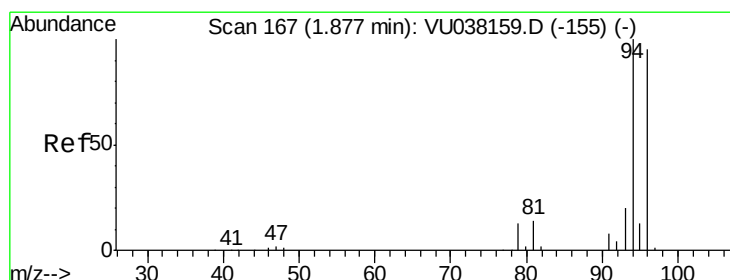
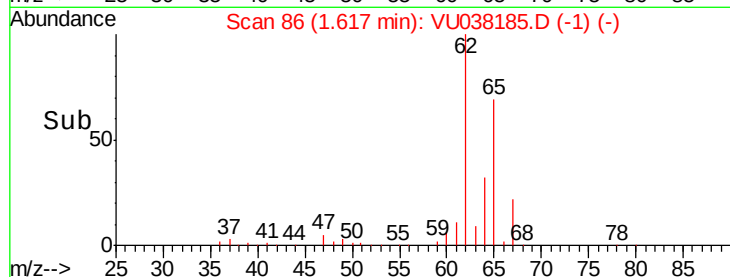
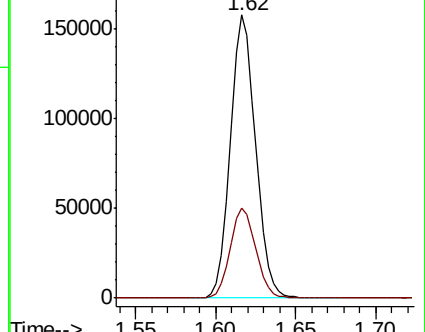
62 100

64 32.0 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU038185.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU038185.D (-77) (-)



#6

Bromomethane

Concen: 2.454 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU038185.D

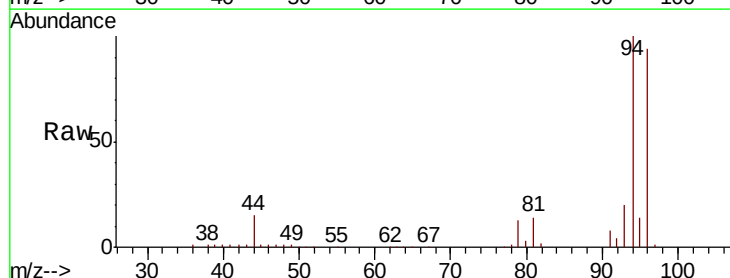
Acq: 14 May 2020 21:19

Tgt Ion: 94 Resp: 53342

Ion Ratio Lower Upper

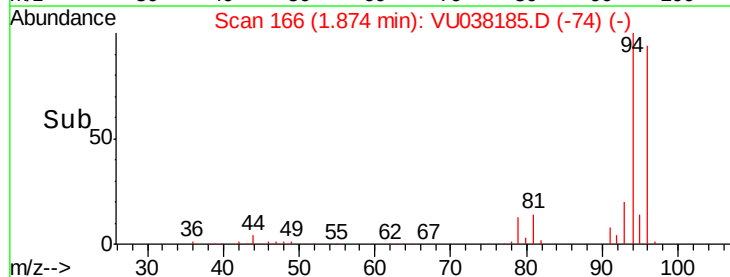
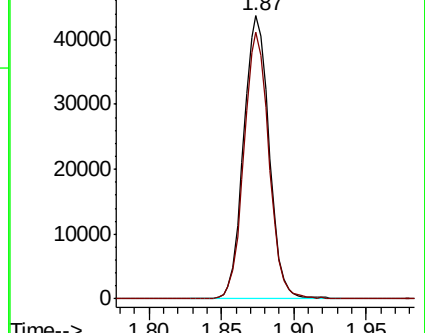
94 100

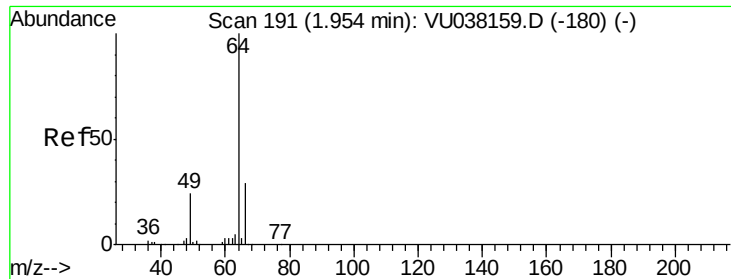
96 94.1 65.0 120.8



Abundance Ion 94.00 (93.70 to 94.70): VU038185.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU038185.D (-155) (-)

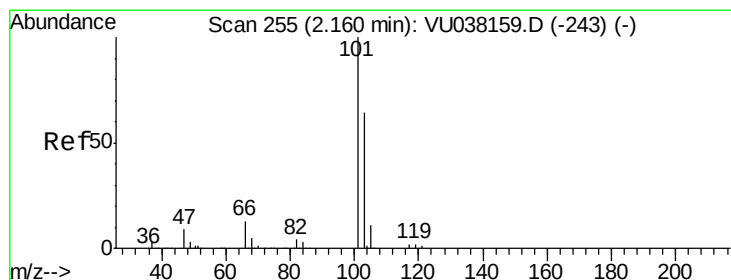
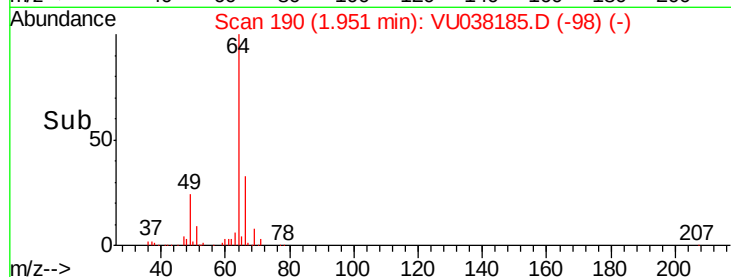
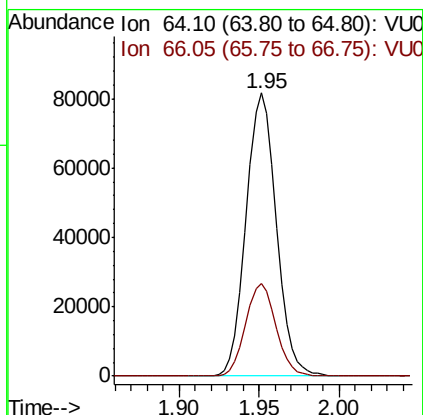
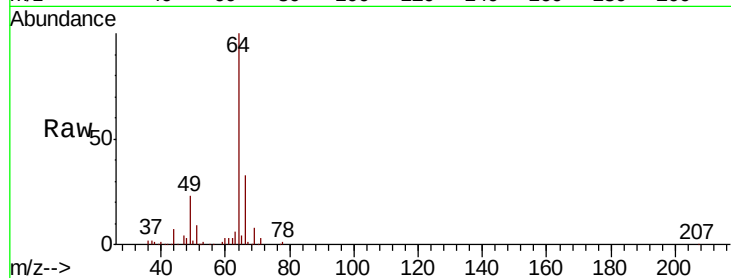




#8
Chloroethane
Concen: 4.459 ug/L
RT: 1.95 min Scan# 190
Delta R.T. -0.00 min
Lab File: VU038185.D
Acq: 14 May 2020 21:19

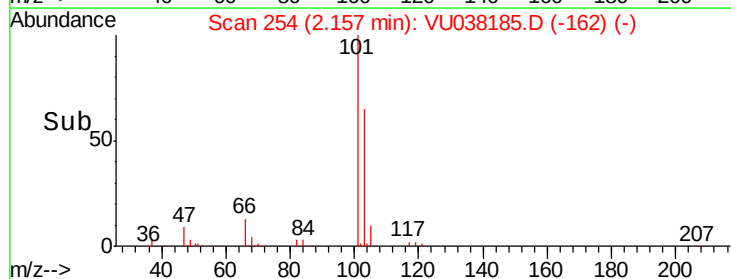
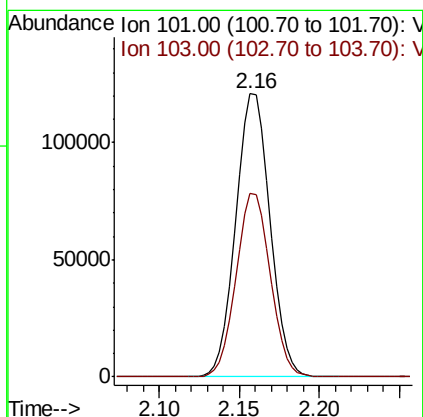
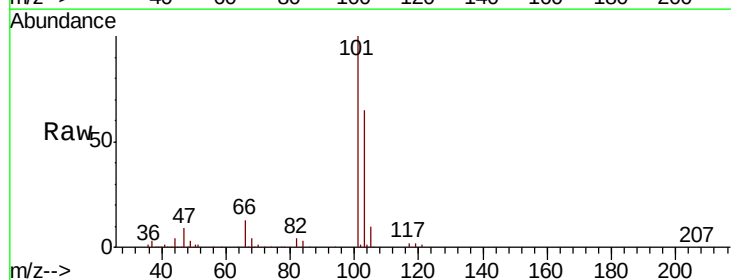
Instrument :
MSVOA_U
ClientSampleId :

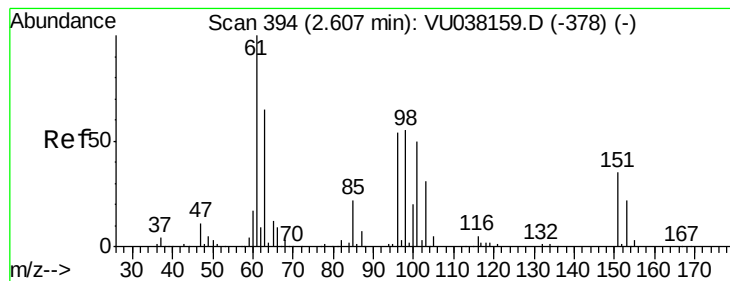
Tot Ion: 64 Resp: 104727
Ion Ratio Lower Upper
64 100
66 32.8 21.8 40.4



#9
Trichlorofluoromethane
Concen: 4.503 ug/L
RT: 2.16 min Scan# 254
Delta R.T. -0.00 min
Lab File: VU038185.D
Acq: 14 May 2020 21:19

Tgt Ion: 101 Resp: 175794
Ion Ratio Lower Upper
101 100
103 64.5 51.0 76.4





#10

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

Concen: 4.364 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038185.D

Acq: 14 May 2020 21:19

Instrument :

MSVOA_U

ClientSampleId :

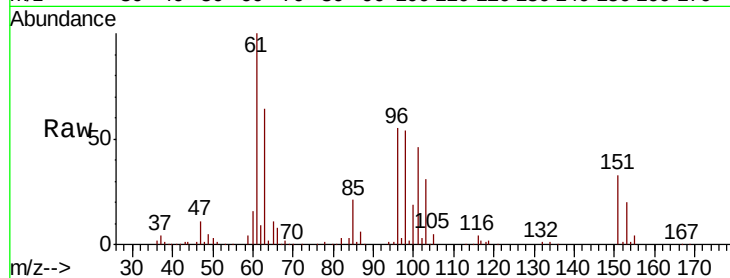
Tot Ion:101 Resp: 105641

Ion Ratio Lower Upper

101 100

85 44.3 35.3 52.9

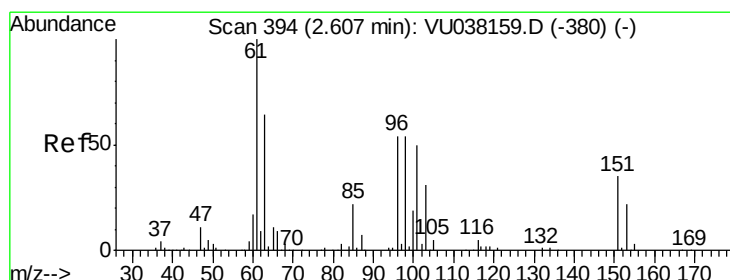
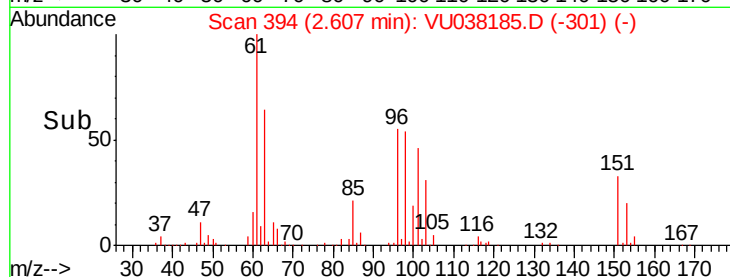
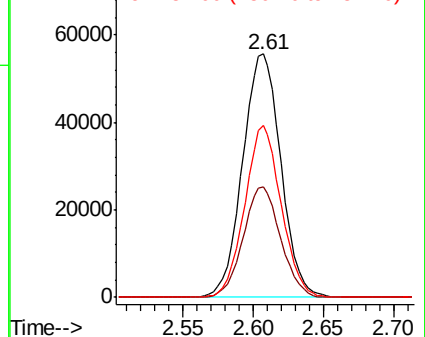
151 67.1 54.2 81.2



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: 4.467 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038185.D

Acq: 14 May 2020 21:19

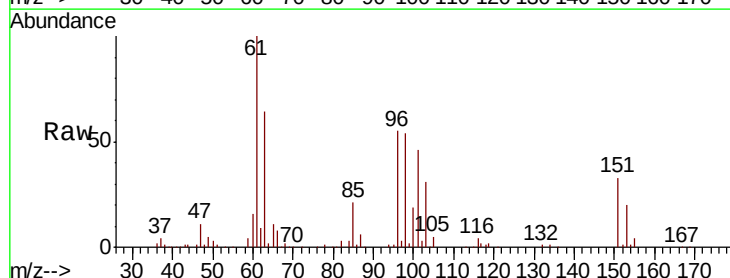
Tgt Ion: 96 Resp: 109614

Ion Ratio Lower Upper

96 100

61 180.4 126.2 234.4

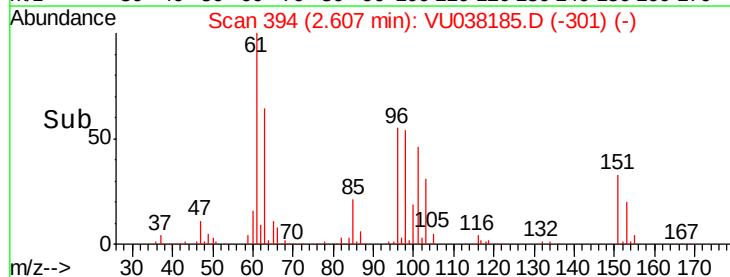
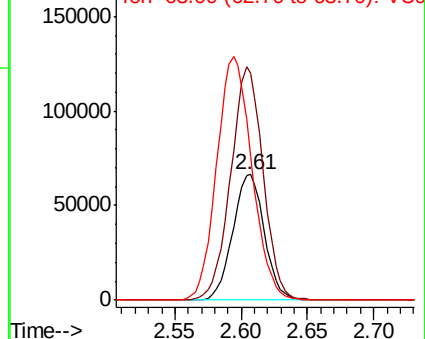
63 114.7 96.9 179.9

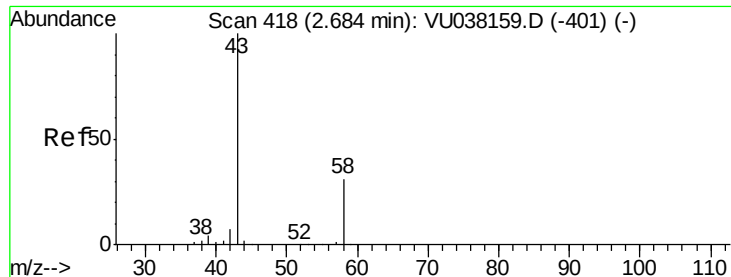


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 49.517 ug/L

RT: 2.66 min Scan# 411

Delta R.T. -0.02 min

Lab File: VU038185.D

Acq: 14 May 2020 21:19

Instrument :

MSVOA_U

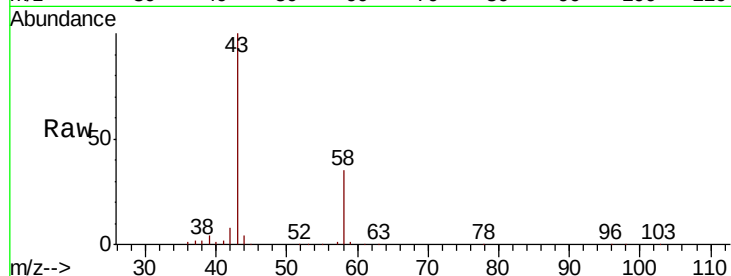
ClientSampled :

Tot Ion: 43 Resp: 247888

Ion Ratio Lower Upper

43 100

58 34.1 0.0 63.6



Abundance Ion 43.05 (42.75 to 43.75): VU038185.D (-325) (-)

Ion 58.05 (57.75 to 58.75): VU038185.D (-325) (-)

2.66

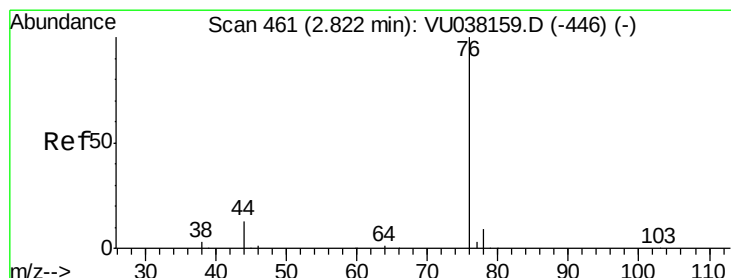
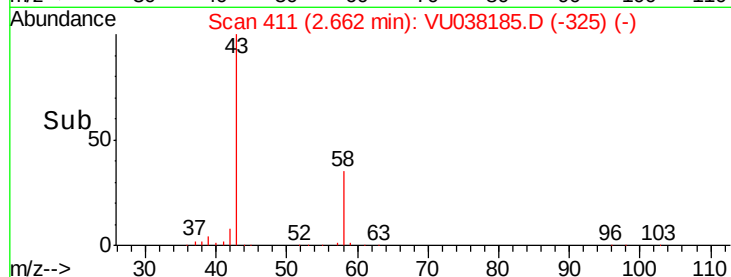
100000

50000

0

Time-->

2.60 2.65 2.70 2.75



#14

Carbon disulfide

Concen: 4.094 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU038185.D

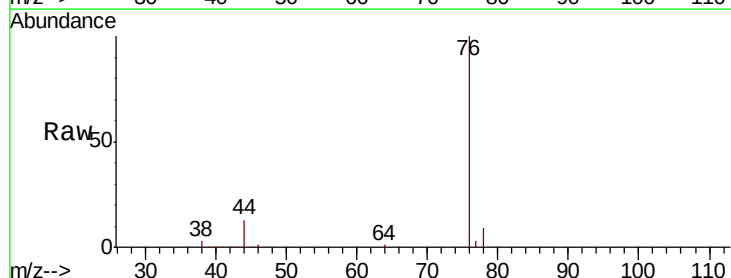
Acq: 14 May 2020 21:19

Tgt Ion: 76 Resp: 358291

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU038185.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VU038185.D (-368) (-)

250000

200000

150000

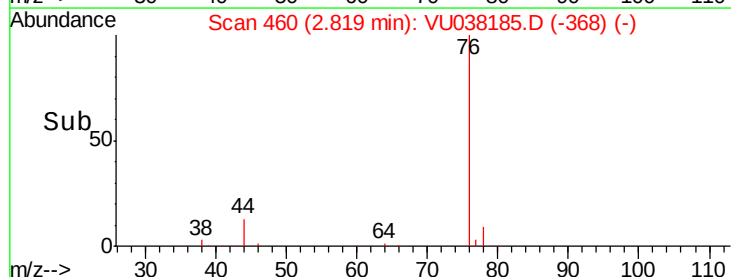
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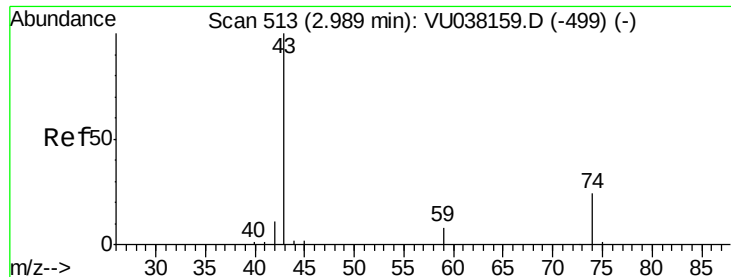
50000

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Time-->

2.75 2.80 2.85 2.90

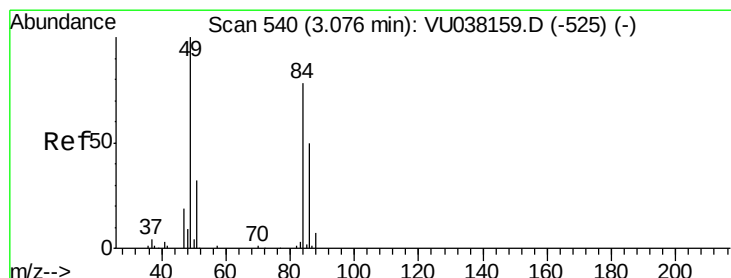
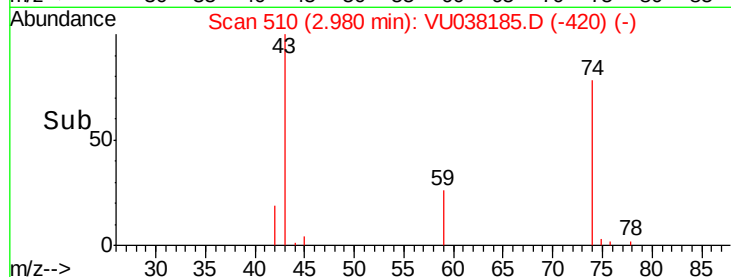
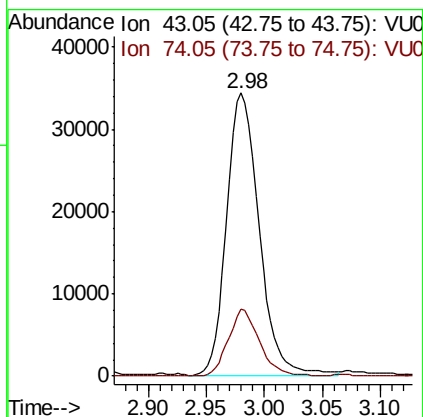
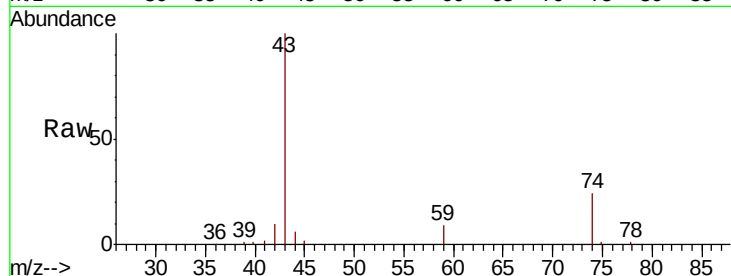




#15
Methyl Acetate
Concen: 4.744 ug/L
RT: 2.98 min Scan# 510
Delta R.T. -0.01 min
Lab File: VU038185.D
Acq: 14 May 2020 21:19

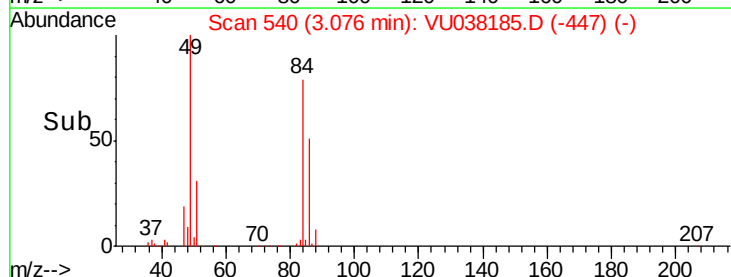
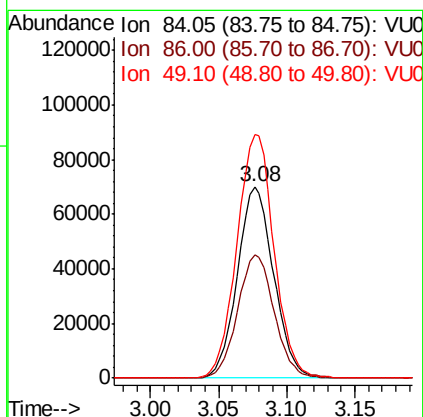
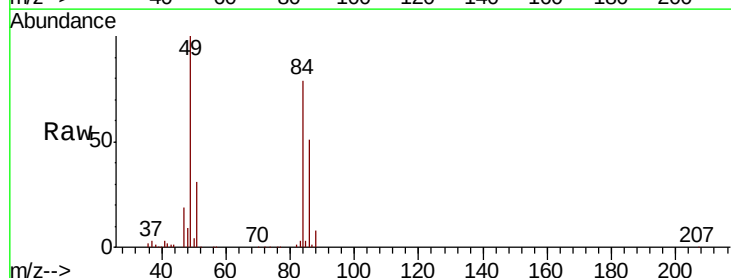
Instrument :
MSVOA_U
ClientSampleId :

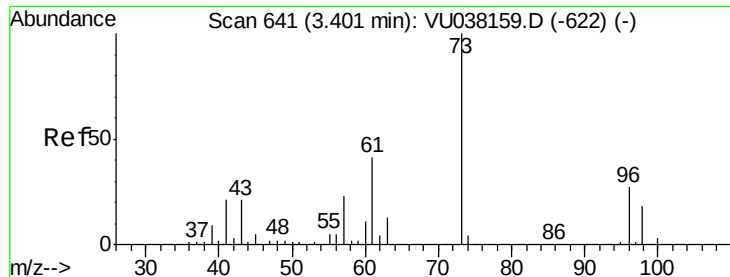
Tot Ion: 43 Resp: 66429
Ion Ratio Lower Upper
43 100
74 22.4 18.0 27.0



#16
Methylene chloride
Concen: 4.538 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU038185.D
Acq: 14 May 2020 21:19

Tgt Ion: 84 Resp: 129804
Ion Ratio Lower Upper
84 100
86 64.3 44.9 83.3
49 127.2 92.0 170.9



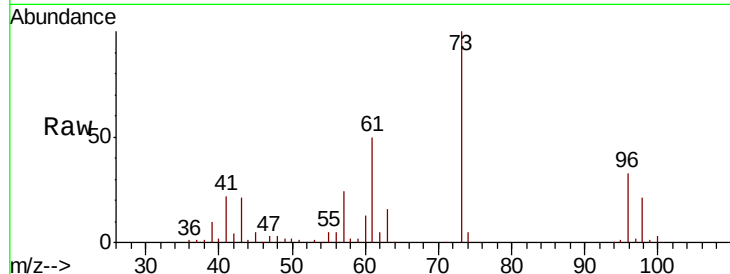


#17

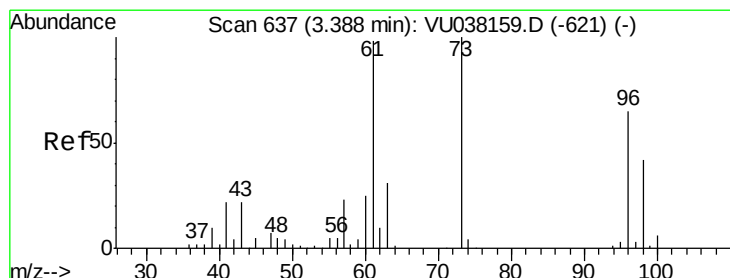
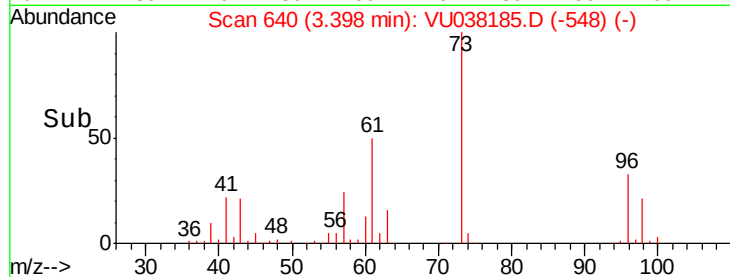
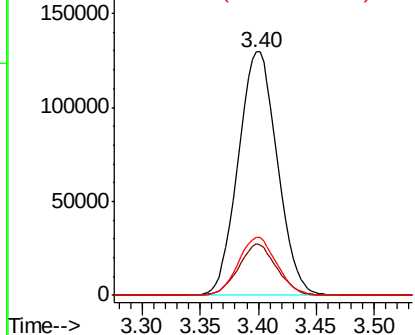
Methyl tert-butyl Ether
 Concen: 4.460 ug/L
 RT: 3.40 min Scan# 640
 Delta R.T. -0.00 min
 Lab File: VU038185.D
 Acq: 14 May 2020 21:19

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 73 Resp: 304100
 Ion Ratio Lower Upper
 73 100
 43 20.7 16.9 25.3
 57 23.4 18.2 27.2



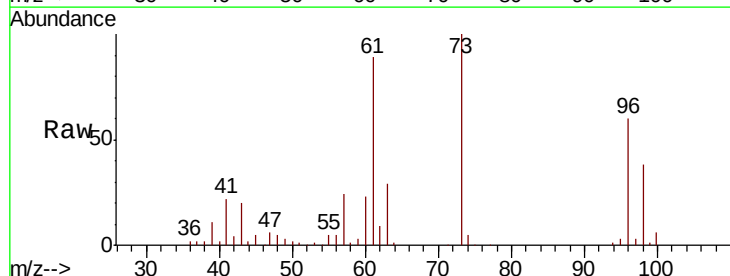
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



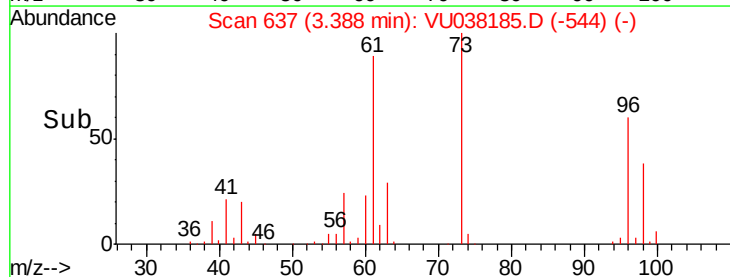
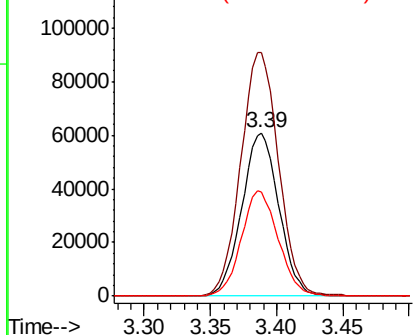
#18

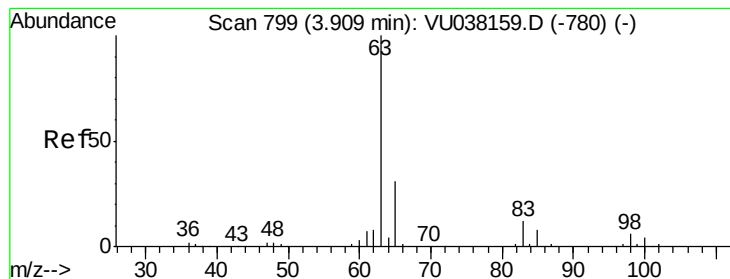
trans-1,2-Dichloroethene
 Concen: 4.430 ug/L
 RT: 3.39 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VU038185.D
 Acq: 14 May 2020 21:19

Tgt Ion: 96 Resp: 118678
 Ion Ratio Lower Upper
 96 100
 61 148.7 102.1 189.5
 98 63.3 45.6 84.8



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: 4.626 ug/L

RT: 3.91 min Scan# 800

Delta R.T. 0.00 min

Lab File: VU038185.D

Acq: 14 May 2020 21:19

Instrument :

MSVOA_U

ClientSampled :

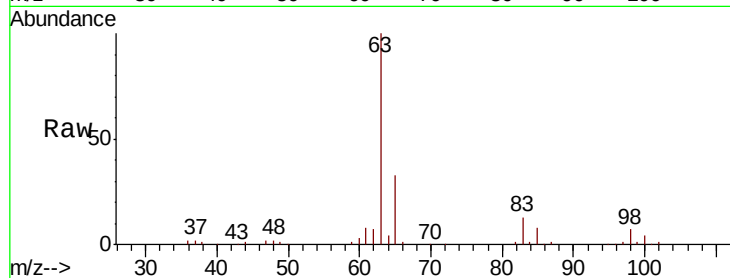
Tot Ion: 63 Resp: 242022

Ion Ratio Lower Upper

63 100

65 32.9 22.5 41.7

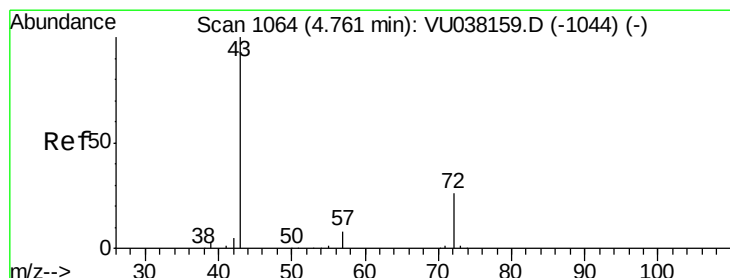
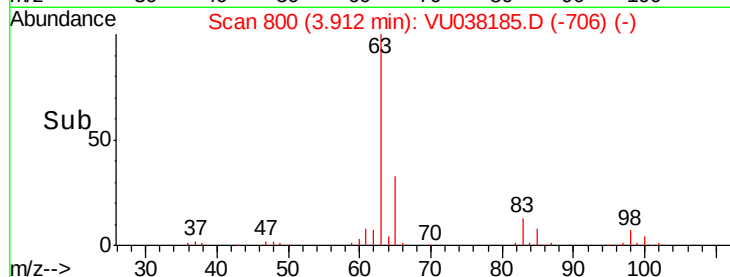
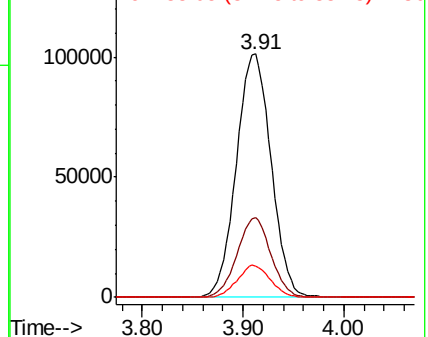
83 13.0 8.9 16.5



Abundance Ion 63.10 (62.80 to 63.80): VU038185.D (-780) (-)

Ion 65.10 (64.80 to 65.80): VU038185.D (-780) (-)

Ion 83.05 (82.75 to 83.75): VU038185.D (-780) (-)



#21

2-Butanone

Concen: 50.760 ug/L

RT: 4.75 min Scan# 1059

Delta R.T. -0.02 min

Lab File: VU038185.D

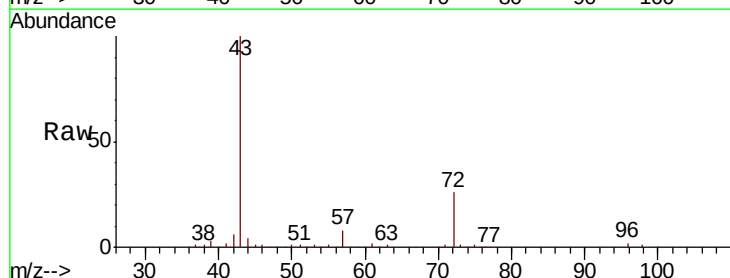
Acq: 14 May 2020 21:19

Tgt Ion: 43 Resp: 448522

Ion Ratio Lower Upper

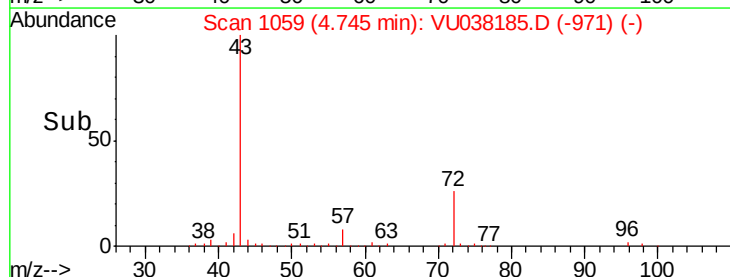
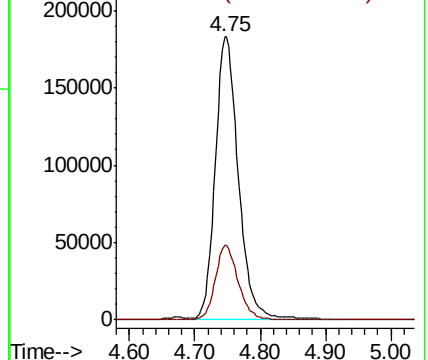
43 100

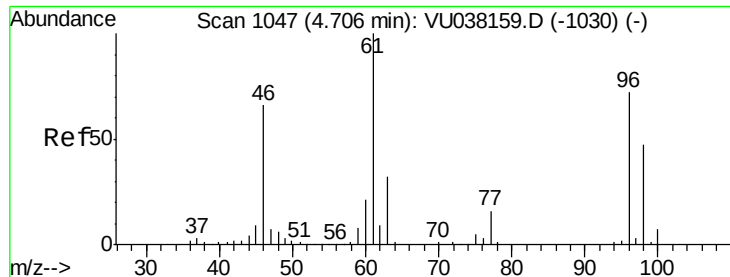
72 26.3 13.5 40.4



Abundance Ion 43.05 (42.75 to 43.75): VU038185.D (-971) (-)

Ion 72.10 (71.80 to 72.80): VU038185.D (-971) (-)

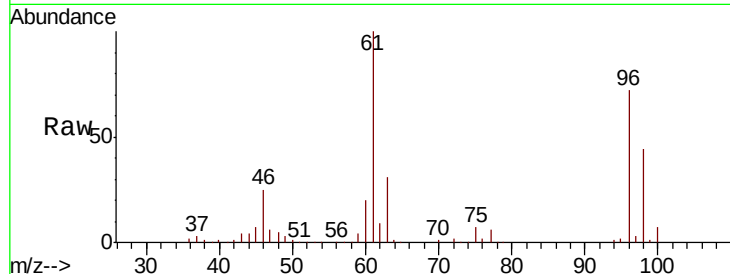




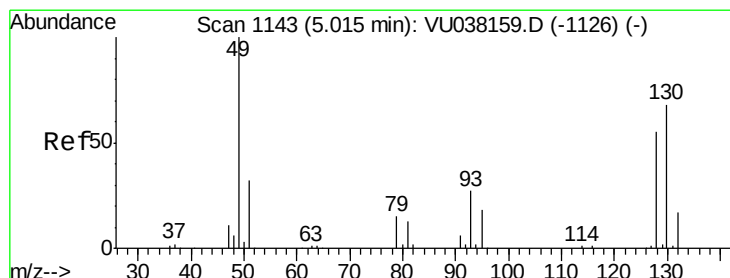
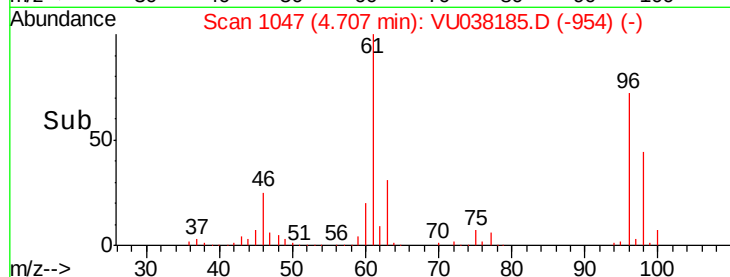
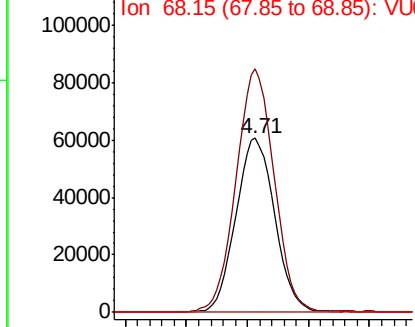
#22
 cis-1,2-Dichloroethene
 Concen: 4.634 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. 0.00 min
 Lab File: VU038185.D
 Acq: 14 May 2020 21:19

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 96 Resp: 133768
 Ion Ratio Lower Upper
 96 100
 61 139.7 95.3 176.9
 68 0.0 0.0 0.0

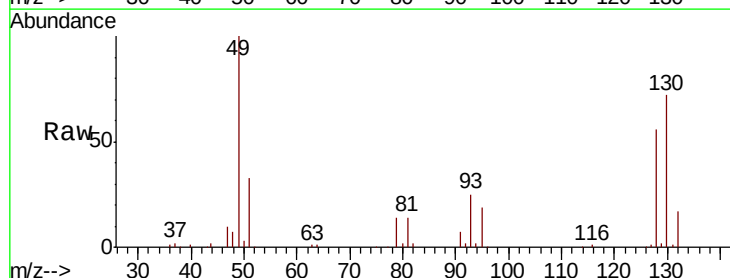


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

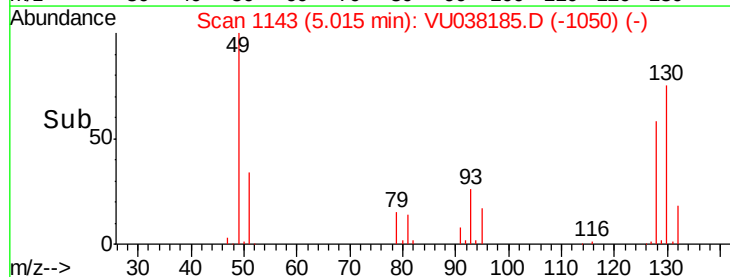
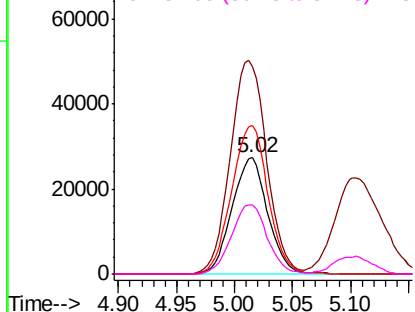


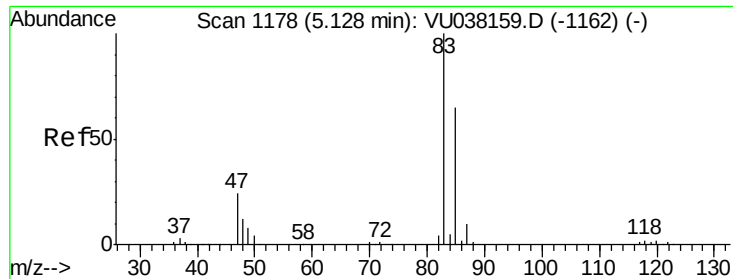
#23
 Bromochloromethane
 Concen: 4.695 ug/L
 RT: 5.02 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: VU038185.D
 Acq: 14 May 2020 21:19

Tgt Ion: 128 Resp: 58321
 Ion Ratio Lower Upper
 128 100
 49 179.2 135.6 251.8
 130 128.5 91.4 169.8
 51 59.6 49.6 74.4



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

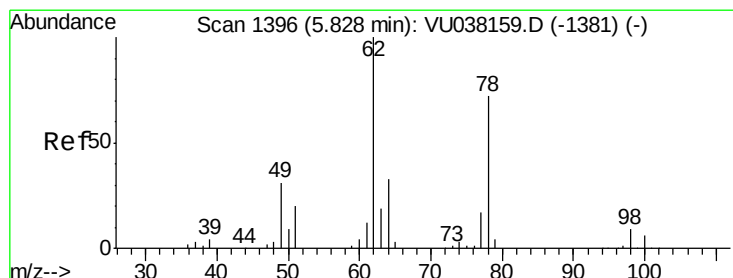
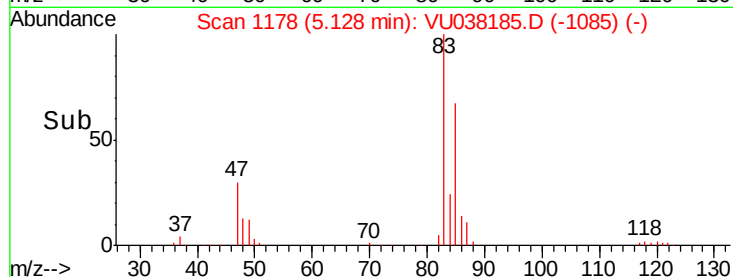
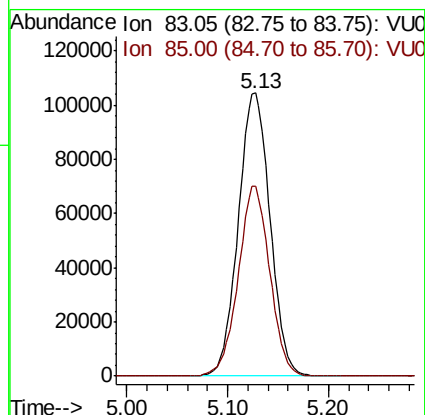
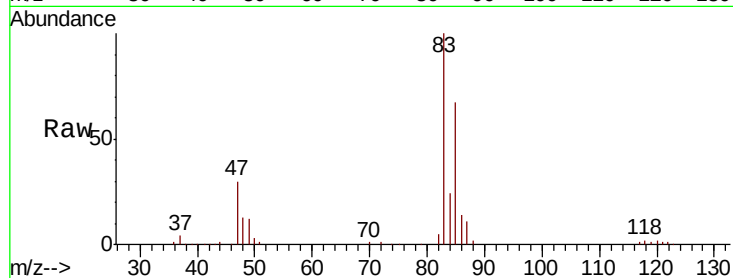




#25
Chloroform
Concen: 4.676 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU038185.D
Acq: 14 May 2020 21:19

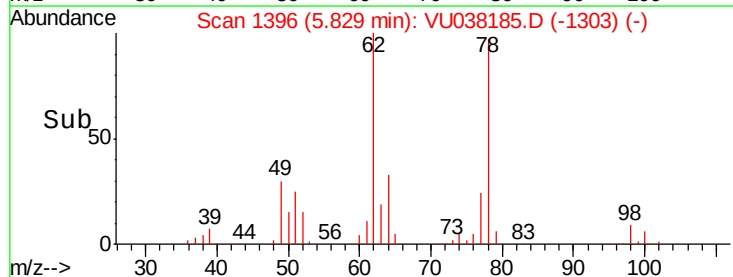
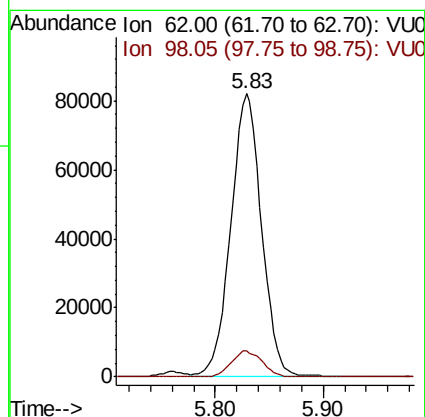
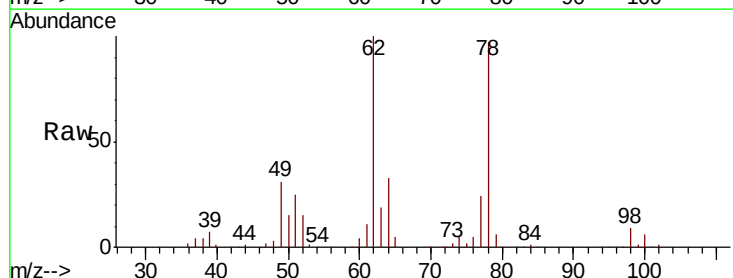
Instrument :
MSVOA_U
ClientSampled :

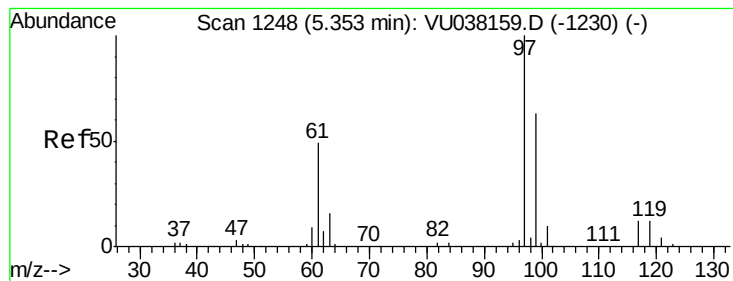
Tot Ion: 83 Resp: 228167
Ion Ratio Lower Upper
83 100
85 67.0 46.2 85.8



#27
1,2-Dichloroethane
Concen: 4.719 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU038185.D
Acq: 14 May 2020 21:19

Tgt Ion: 62 Resp: 162577
Ion Ratio Lower Upper
62 100
98 9.1 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 4.633 ug/L

RT: 5.35 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VU038185.D

Acq: 14 May 2020 21:19

Instrument :

MSVOA_U

ClientSampled :

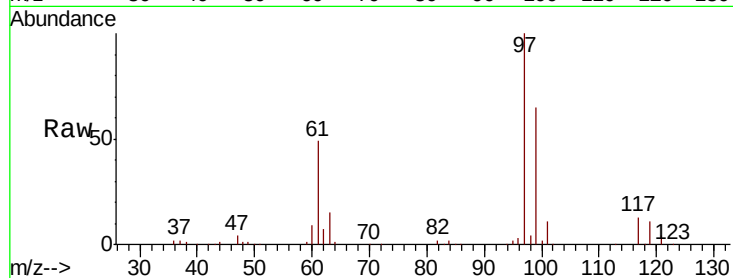
Tot Ion: 97 Resp: 183163

Ion Ratio Lower Upper

97 100

99 63.5 51.0 76.4

61 48.7 38.2 57.4

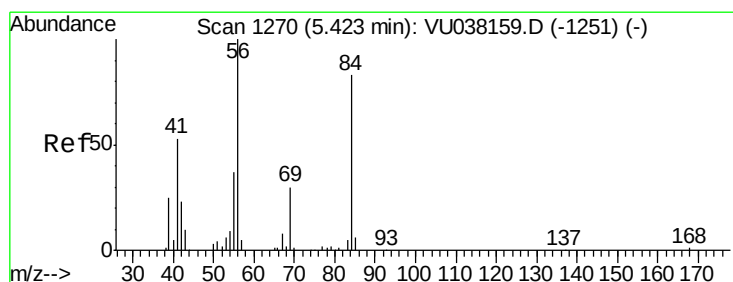
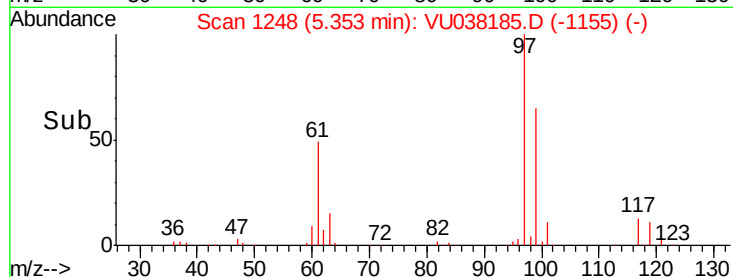
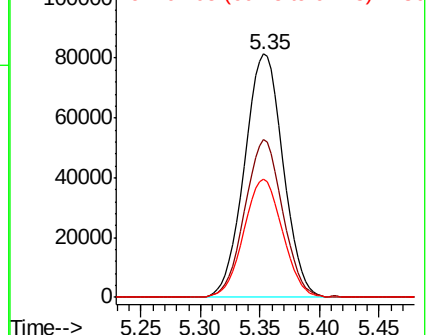


Abundance

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: 4.203 ug/L

RT: 5.42 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VU038185.D

Acq: 14 May 2020 21:19

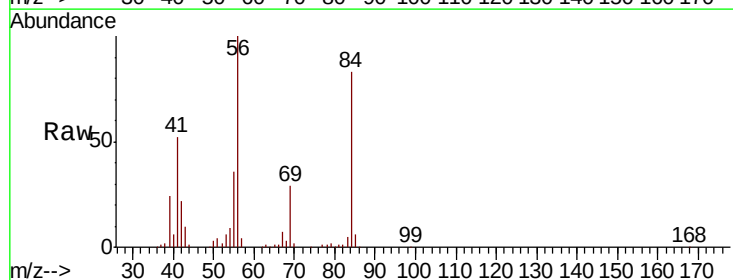
Tgt Ion: 56 Resp: 196194

Ion Ratio Lower Upper

56 100

69 30.2 24.2 36.4

84 85.4 68.5 102.7

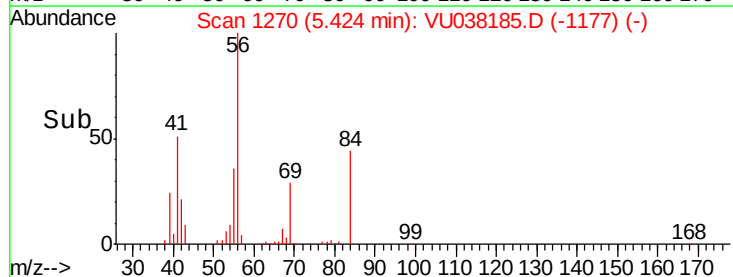
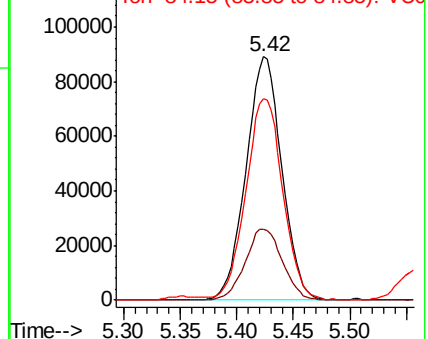


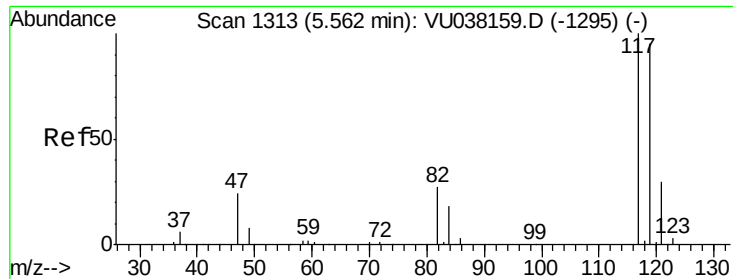
Abundance

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: 4.519 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU038185.D

Acq: 14 May 2020 21:19

Instrument :

MSVOA_U

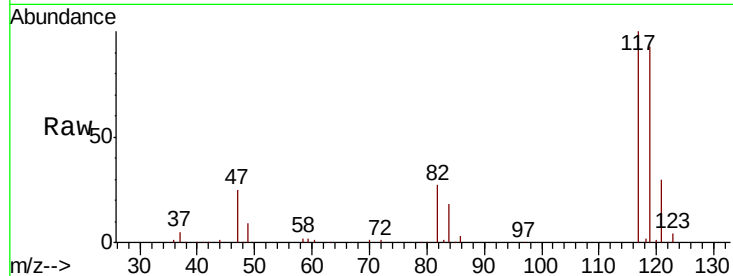
ClientSampleId :

Tot Ion:117 Resp: 143586

Ion Ratio Lower Upper

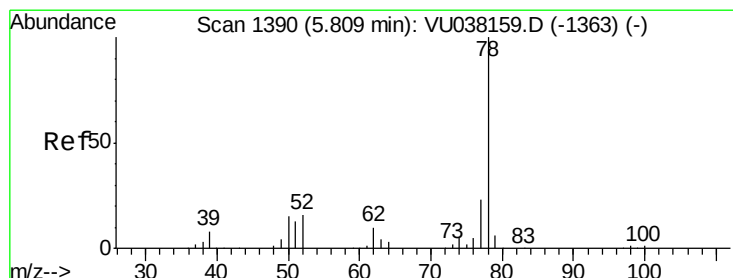
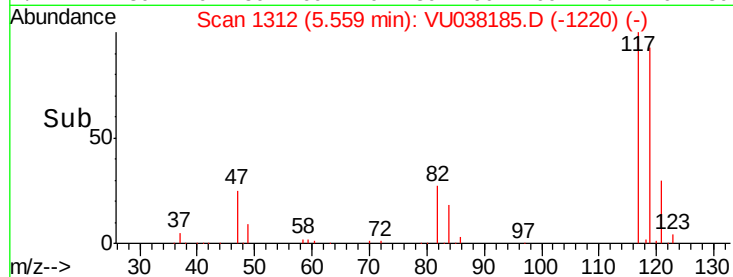
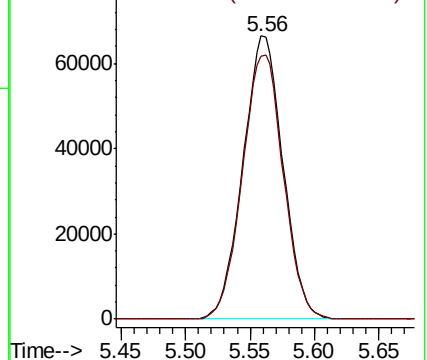
117 100

119 95.7 75.4 113.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.700 ug/L

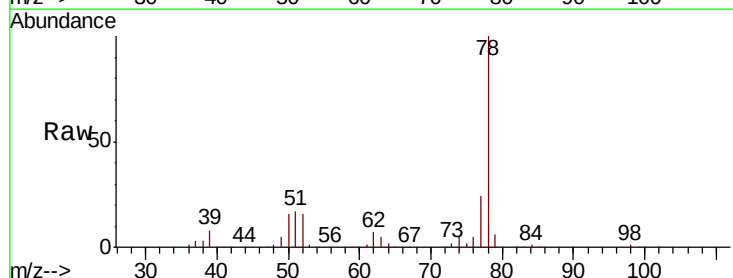
RT: 5.81 min Scan# 1389

Delta R.T. -0.00 min

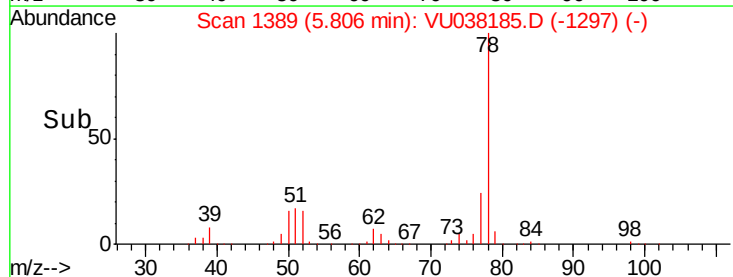
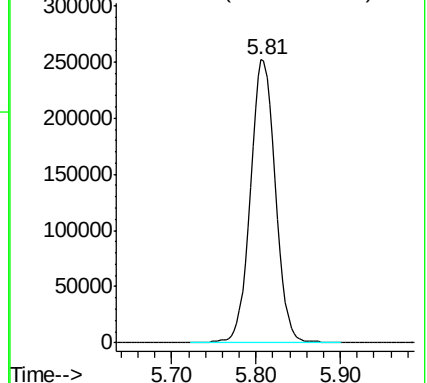
Lab File: VU038185.D

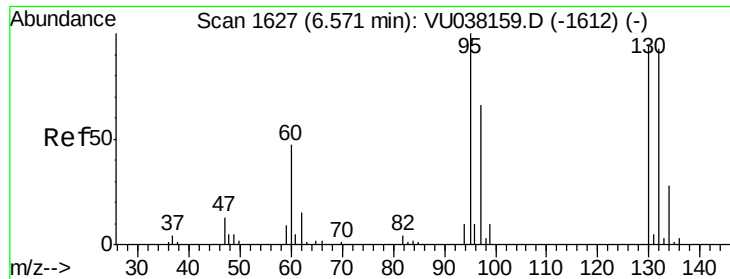
Acq: 14 May 2020 21:19

Tgt Ion: 78 Resp: 519379



Abundance Ion 78.10 (77.80 to 78.80): VU0

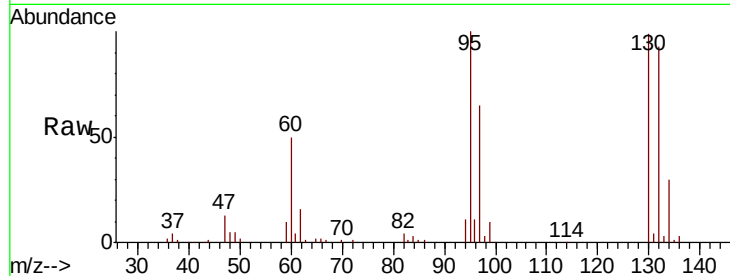




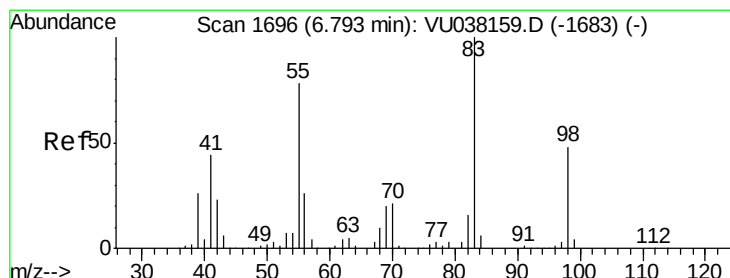
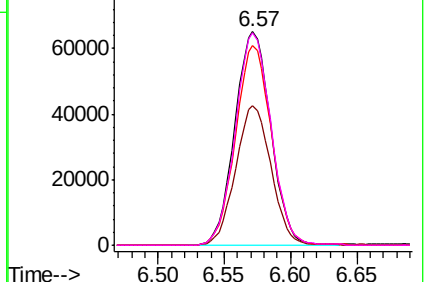
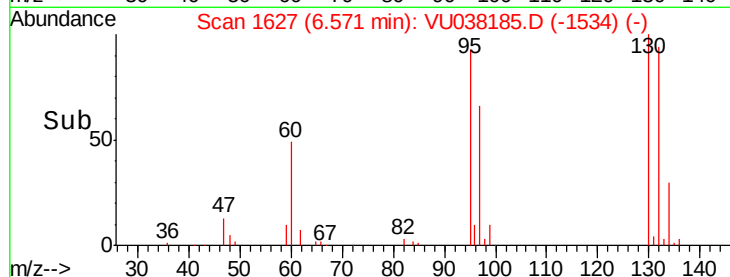
#34
 Trichloroethene
 Concen: 4.456 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU038185.D
 Acq: 14 May 2020 21:19

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:	95	Resp:	123159
Ion	Ratio	Lower	Upper
95	100		
97	65.2	44.9	83.3
132	93.5	63.3	117.5
130	99.4	65.7	122.1

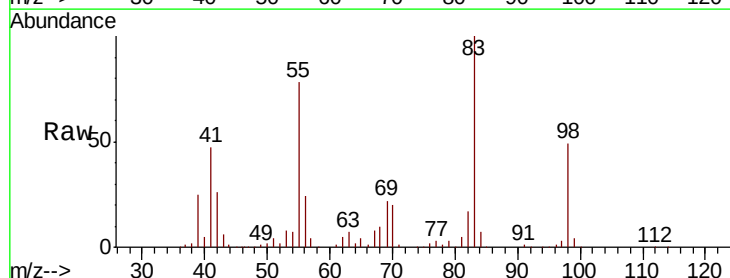


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

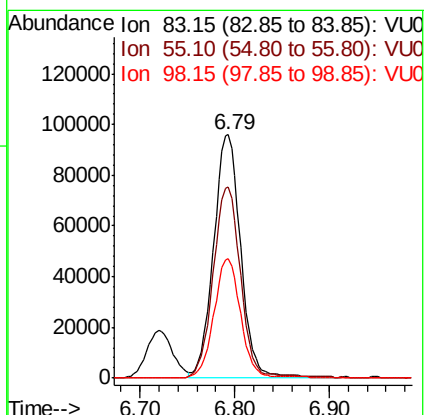
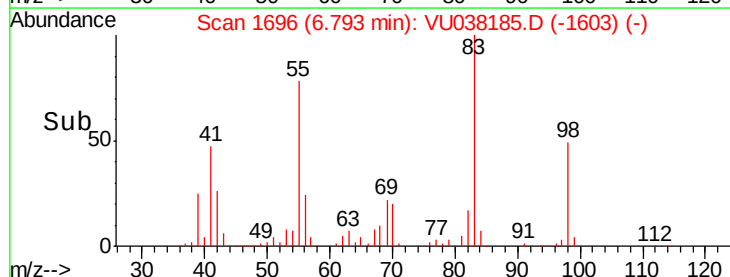


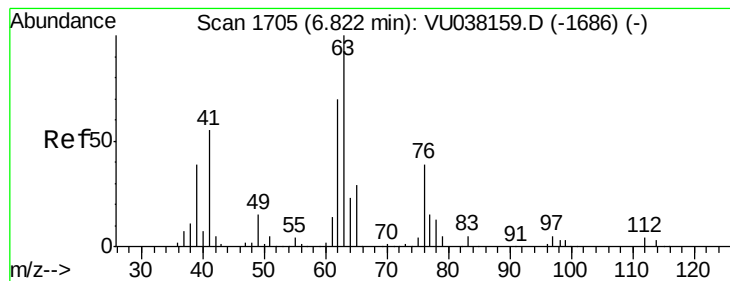
#35
 Methylcyclohexane
 Concen: 4.247 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. 0.00 min
 Lab File: VU038185.D
 Acq: 14 May 2020 21:19

Tgt Ion:	83	Resp:	190117
Ion	Ratio	Lower	Upper
83	100		
55	80.0	66.7	100.1
98	48.6	39.4	59.2



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: 4.629 ug/L

RT: 6.82 min Scan# 1704

Delta R.T. -0.00 min

Lab File: VU038185.D

Acq: 14 May 2020 21:19

Instrument :

MSVOA_U

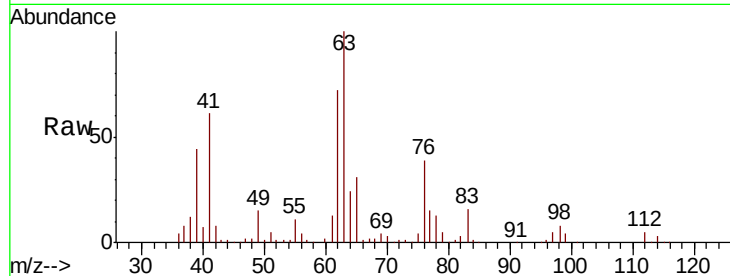
ClientSampleId :

Tot Ion: 63 Resp: 138930

Ion Ratio Lower Upper

63 100

112 4.0 3.1 4.7



Abundance Ion 63.10 (62.80 to 63.80): VU038185.D (-1612) (-)

Ion 112.10 (111.80 to 112.80): VU038185.D (-1612) (-)

6.82

80000

60000

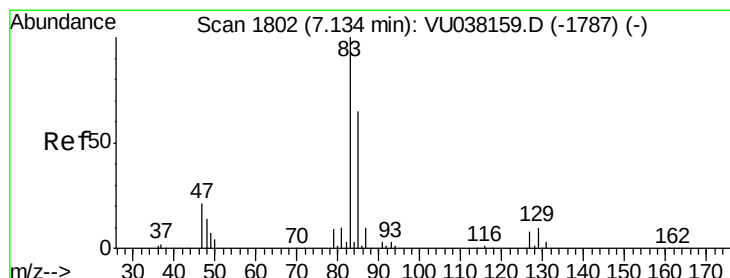
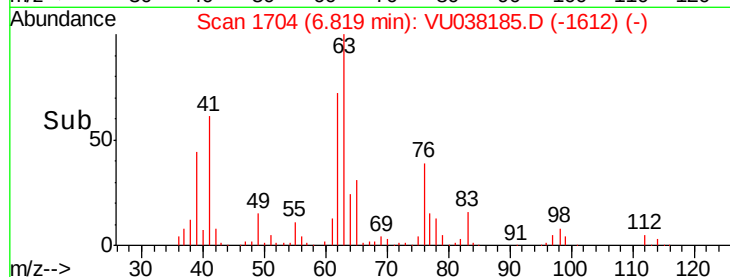
40000

20000

0

6.70 6.80 6.90

Time-->



#38

Bromodichloromethane

Concen: 4.619 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VU038185.D

Acq: 14 May 2020 21:19

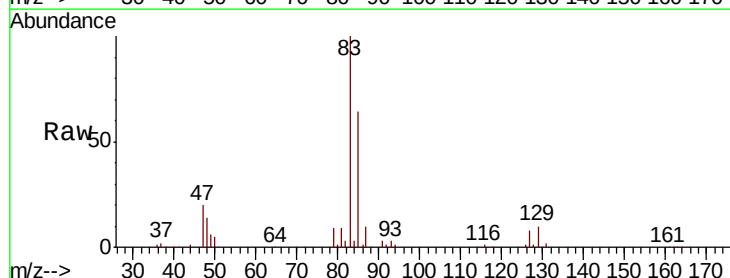
Tgt Ion: 83 Resp: 160254

Ion Ratio Lower Upper

83 100

85 64.4 44.6 82.8

127 7.9 6.4 9.6



Abundance Ion 82.95 (82.65 to 83.65): VU038185.D (-1709) (-)

Ion 85.00 (84.70 to 85.70): VU038185.D (-1709) (-)

Ion 126.90 (126.60 to 127.60): VU038185.D (-1709) (-)

120000

100000

80000

60000

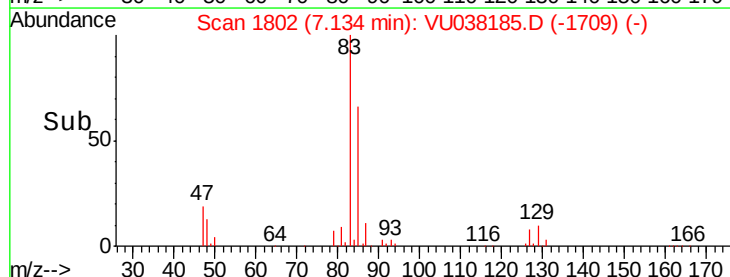
40000

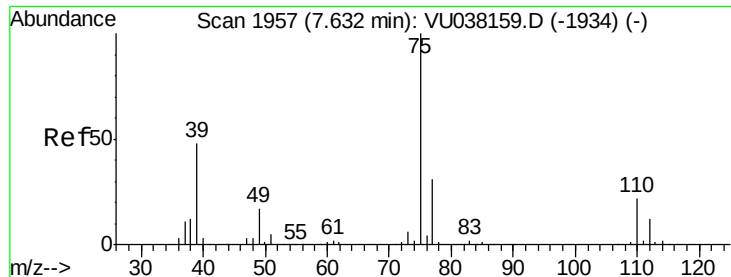
20000

0

7.05 7.10 7.15 7.20

Time-->

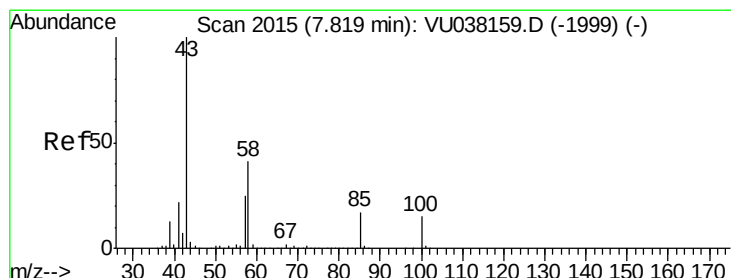
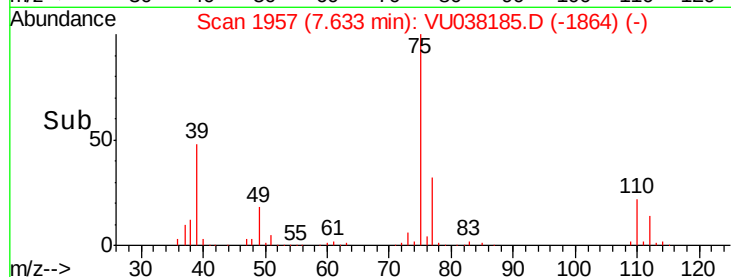
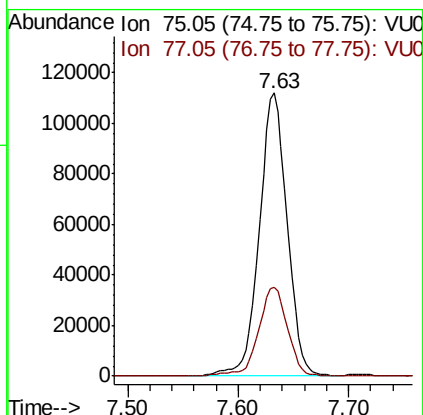
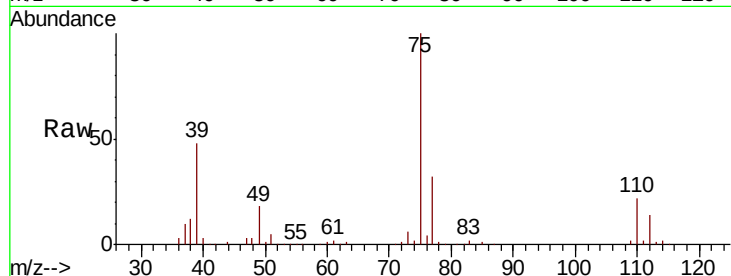




#39
 cis-1,3-Dichloropropene
 Concen: 4.564 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU038185.D
 Acq: 14 May 2020 21:19

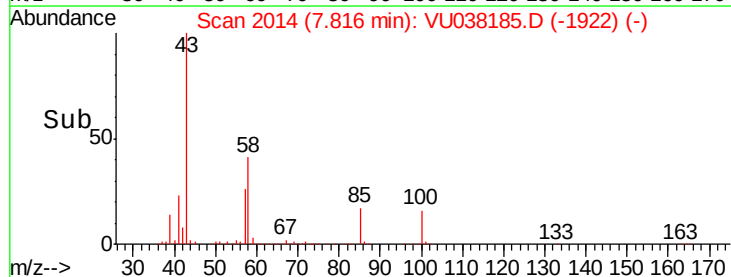
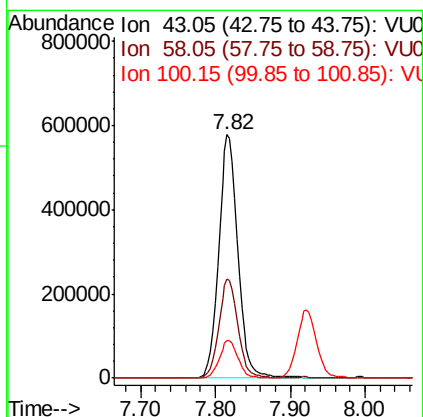
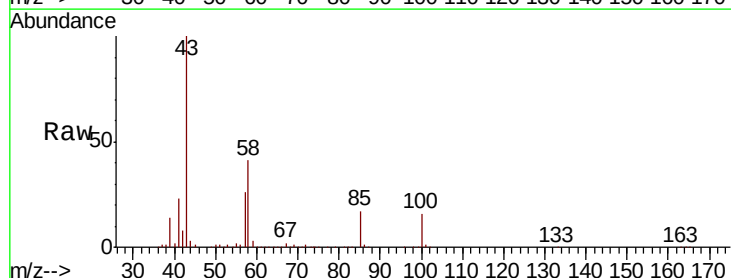
Instrument :
 MSVOA_U
 ClientSampleId :

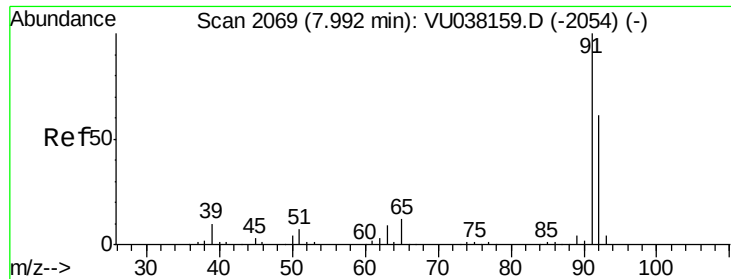
Tot Ion: 75 Resp: 196045
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 49.119 ug/L
 RT: 7.82 min Scan# 2014
 Delta R.T. -0.00 min
 Lab File: VU038185.D
 Acq: 14 May 2020 21:19

Tgt Ion: 43 Resp: 1021778
 Ion Ratio Lower Upper
 43 100
 58 40.4 32.2 48.4
 100 15.2 12.1 18.1





#42

Toluene

Concen: 4.547 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU038185.D

Acq: 14 May 2020 21:19

Instrument :

MSVOA_U

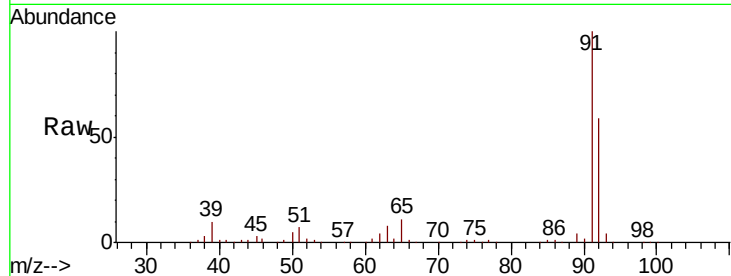
ClientSampleId :

Tot Ion: 91 Resp: 530432

Ion Ratio Lower Upper

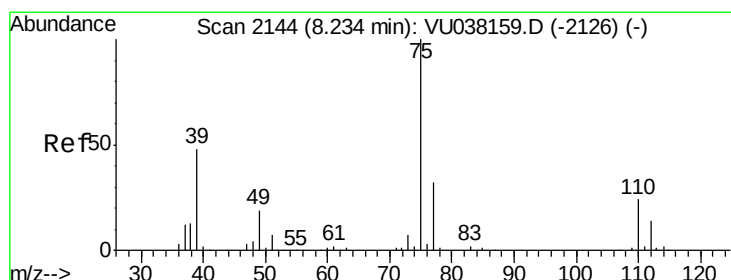
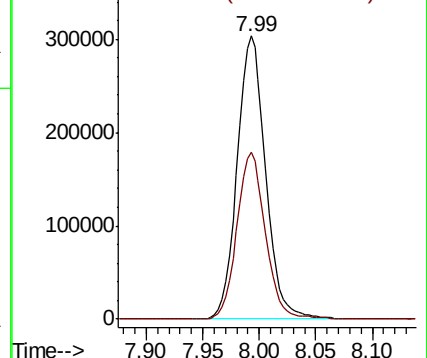
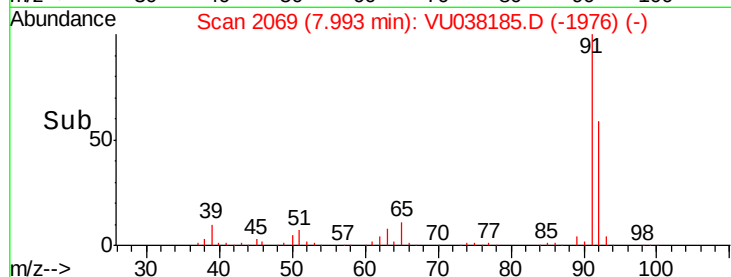
91 100

92 58.9 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU038185.D (-1976) (-)

Ion 92.15 (91.85 to 92.85): VU038185.D (-1976) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.552 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU038185.D

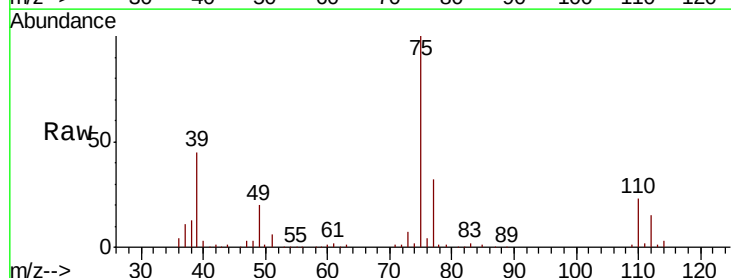
Acq: 14 May 2020 21:19

Tgt Ion: 75 Resp: 166279

Ion Ratio Lower Upper

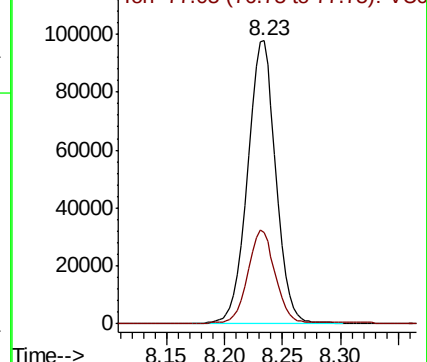
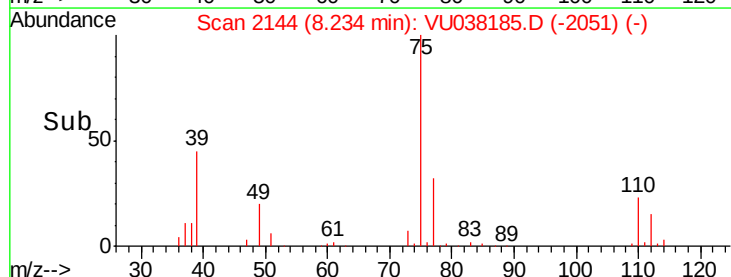
75 100

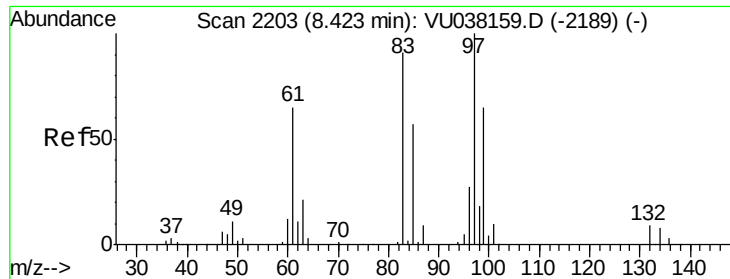
77 32.4 22.4 41.6



Abundance Ion 75.05 (74.75 to 75.75): VU038185.D (-2051) (-)

Ion 77.05 (76.75 to 77.75): VU038185.D (-2051) (-)

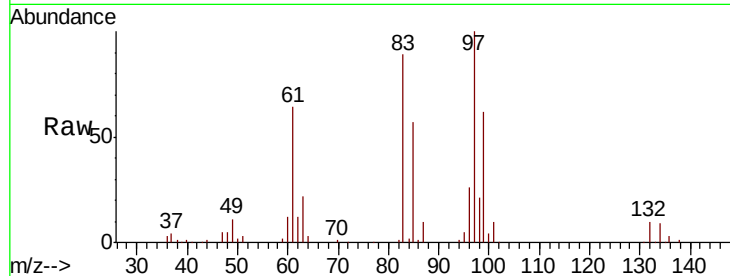




#45
 1,1,2-Trichloroethane
 Concen: 4.784 ug/L
 RT: 8.42 min Scan# 2203
 Delta R.T. 0.00 min
 Lab File: VU038185.D
 Acq: 14 May 2020 21:19

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	99709
Ion	Ratio	Lower	Upper
97	100		
99	62.2	44.0	81.6
83	89.4	59.6	110.8
85	57.2	41.3	76.7



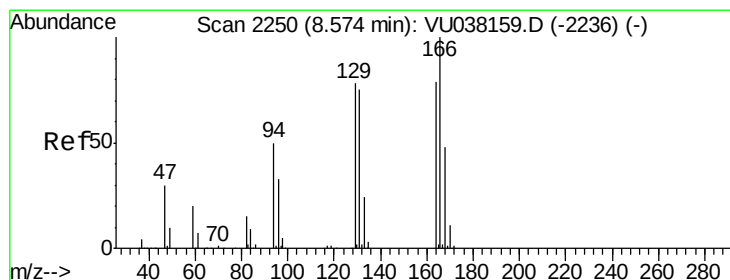
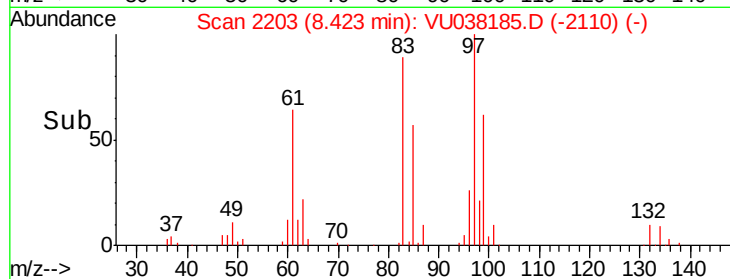
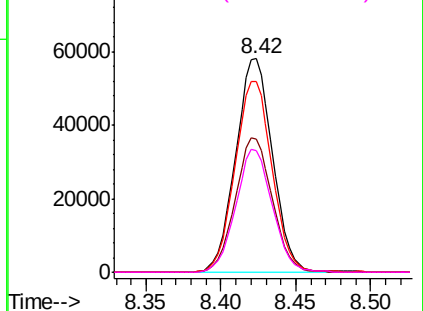
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

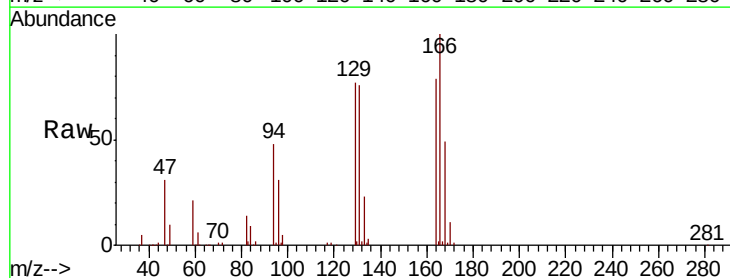
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47
 Tetrachloroethene
 Concen: 4.414 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. 0.00 min
 Lab File: VU038185.D
 Acq: 14 May 2020 21:19

Tgt Ion:	164	Resp:	85335
Ion	Ratio	Lower	Upper
164	100		
129	97.2	68.8	127.8
131	95.7	66.8	124.2
166	126.8	88.9	165.1



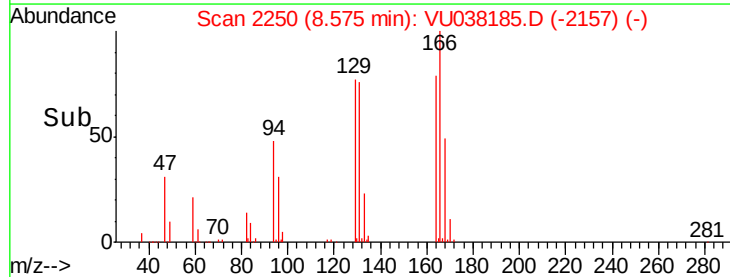
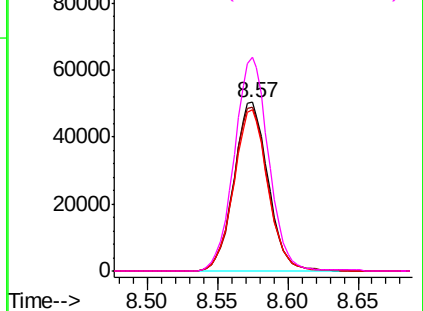
Abundance

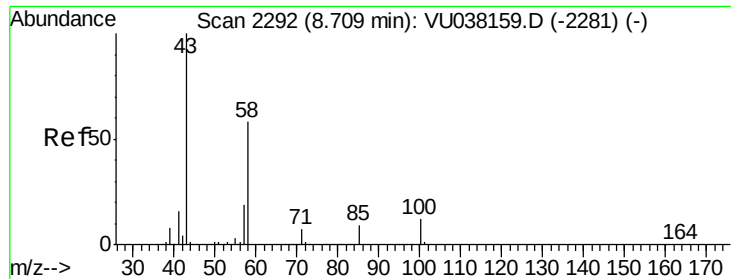
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

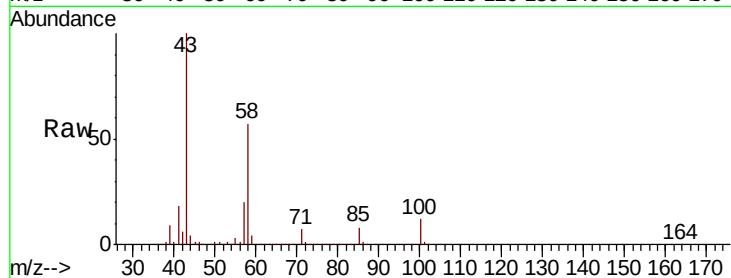




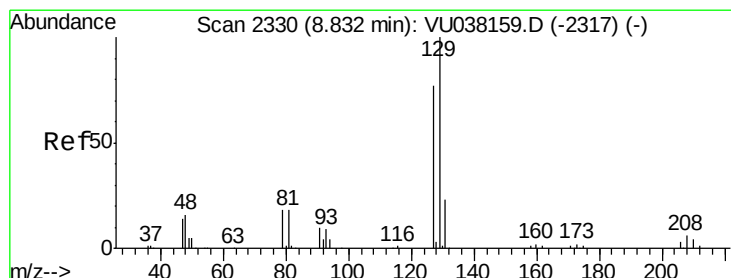
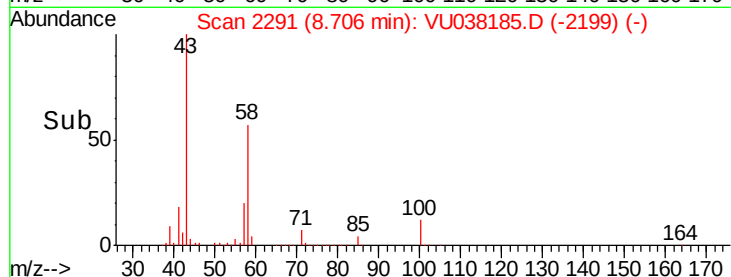
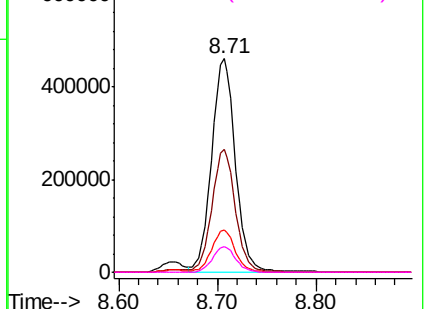
#48
2-Hexanone
Concen: 50.806 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU038185.D
Acq: 14 May 2020 21:19

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	43	Resp:	773997
Ion	Ratio	Lower	Upper
43	100		
58	56.8	45.2	67.8
57	19.6	15.5	23.3
100	11.8	9.5	14.3

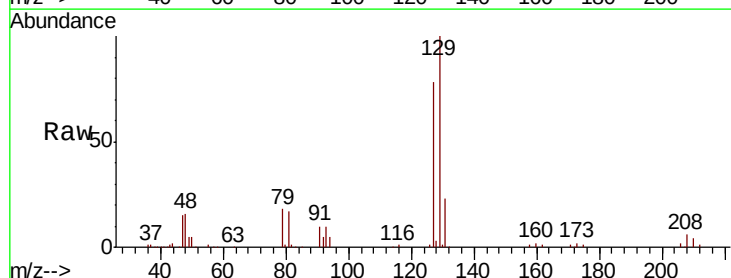


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

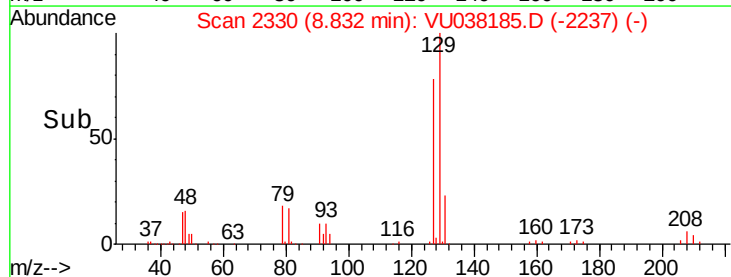
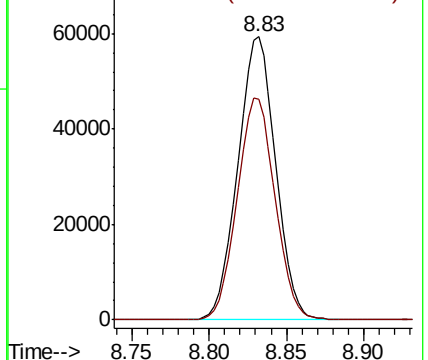


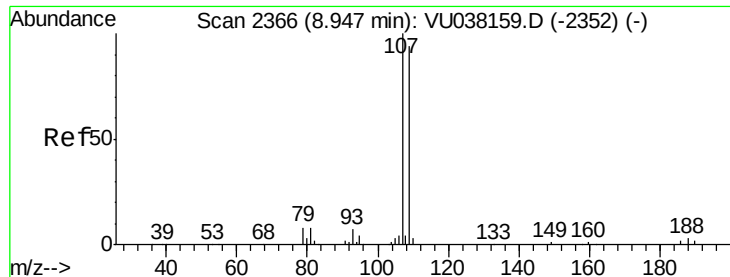
#49
Dibromochloromethane
Concen: 4.661 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU038185.D
Acq: 14 May 2020 21:19

Tgt Ion:	129	Resp:	100825
Ion	Ratio	Lower	Upper
129	100		
127	78.0	55.6	103.4



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

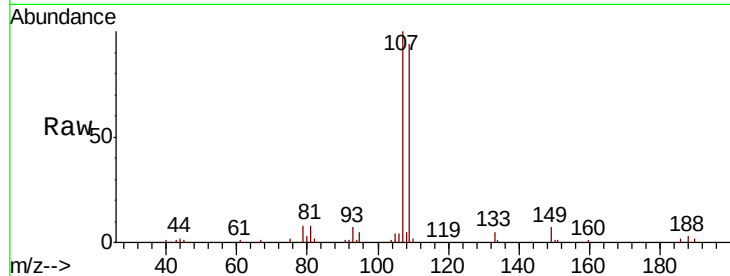




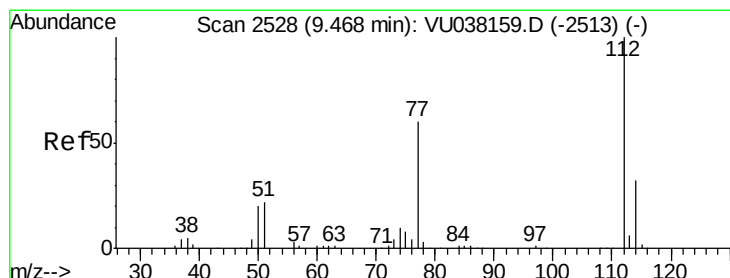
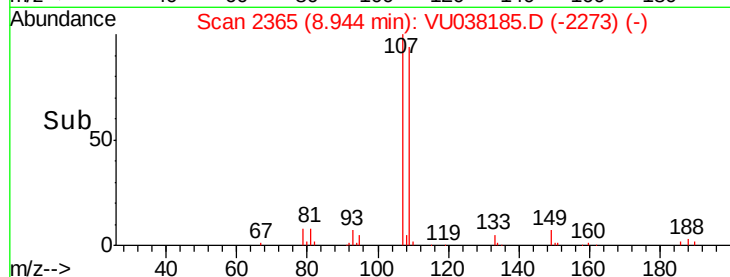
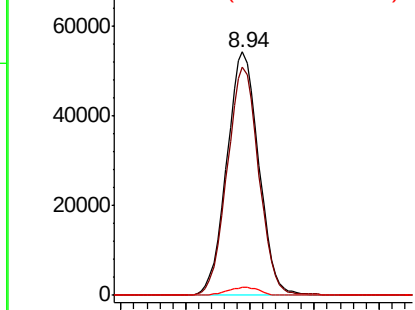
#50
1,2-Dibromoethane
Concen: 4.822 ug/L
RT: 8.94 min Scan# 2365
Delta R.T. -0.00 min
Lab File: VU038185.D
Acq: 14 May 2020 21:19

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:107 Resp: 93273
Ion Ratio Lower Upper
107 100
109 93.6 65.1 120.9
188 3.2 2.6 4.0

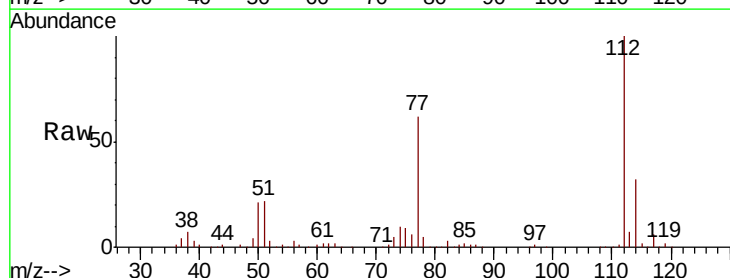


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

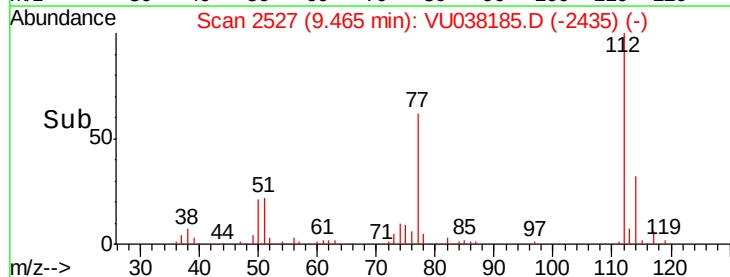
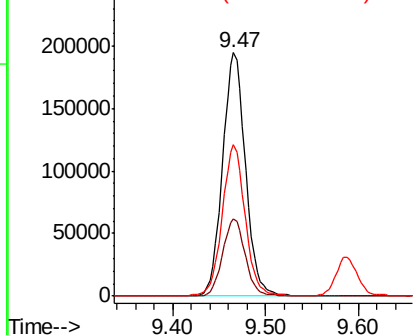


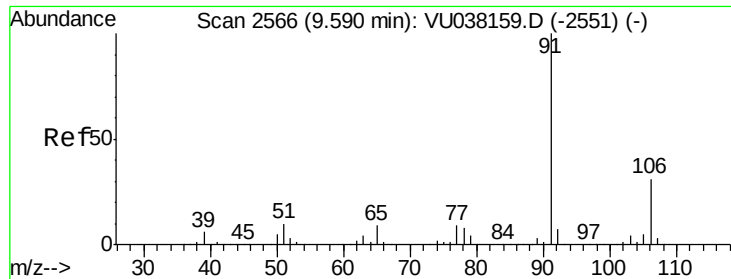
#51
Chlorobenzene
Concen: 4.606 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. -0.00 min
Lab File: VU038185.D
Acq: 14 May 2020 21:19

Tgt Ion:112 Resp: 333401
Ion Ratio Lower Upper
112 100
114 31.8 22.5 41.7
77 62.2 49.9 74.9



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 4.489 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU038185.D

Acq: 14 May 2020 21:19

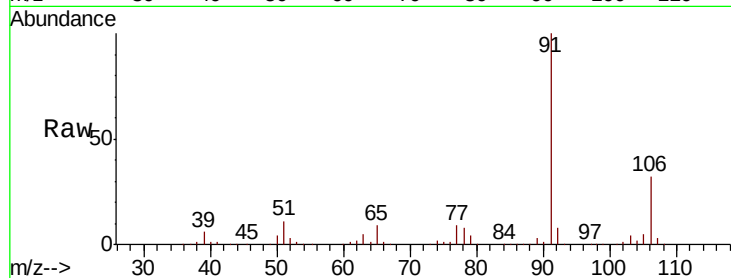
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 567255

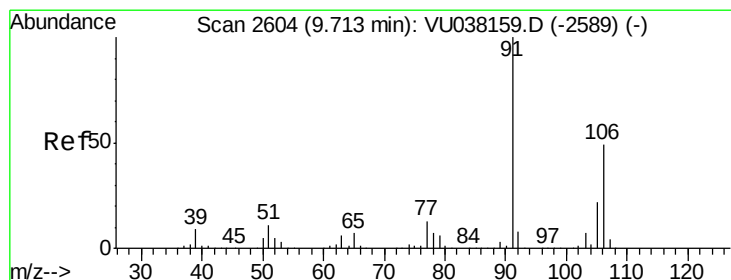
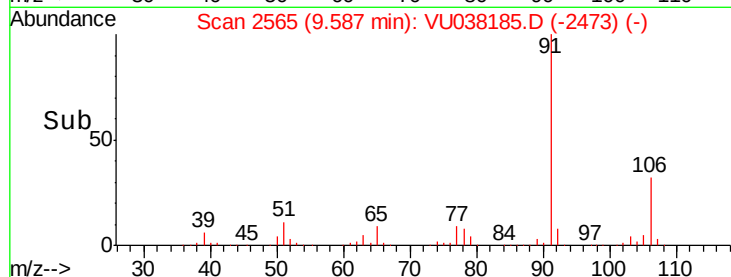
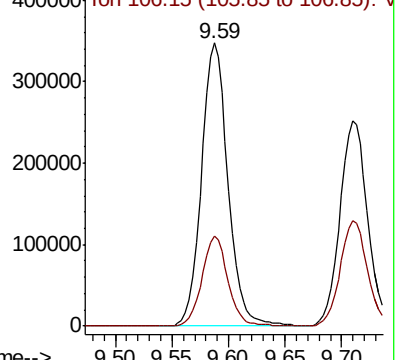
Ion Ratio Lower Upper

91 100

106 31.6 21.8 40.4



Abundance Ion 91.15 (90.85 to 91.85): VU038185.D (-2551) (-)



#53

m,p-Xylene

Concen: 4.526 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VU038185.D

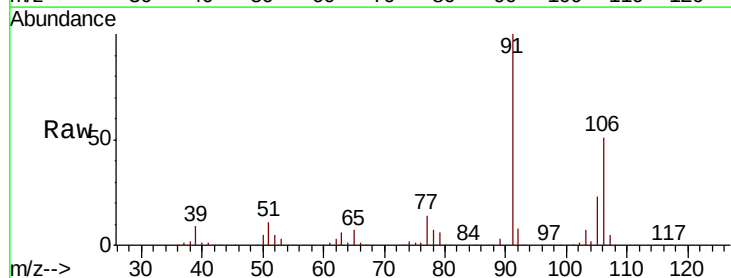
Acq: 14 May 2020 21:19

Tgt Ion: 106 Resp: 219268

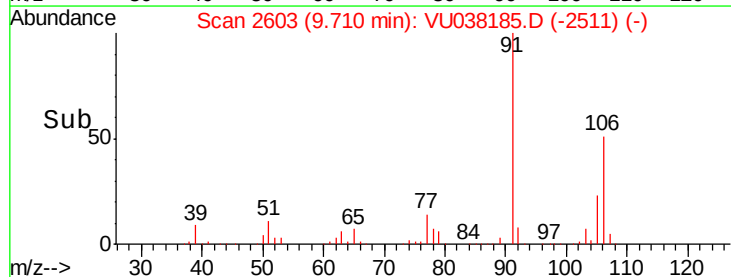
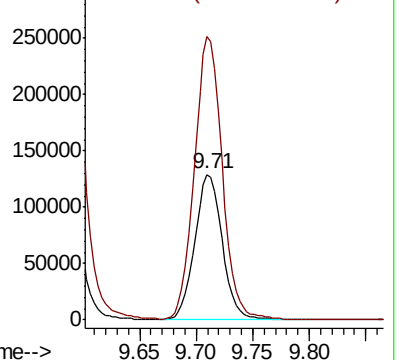
Ion Ratio Lower Upper

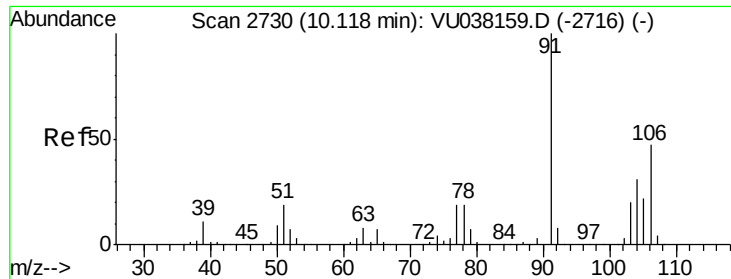
106 100

91 195.0 142.1 263.9



Abundance Ion 106.15 (105.85 to 106.85): VU038185.D (-2589) (-)

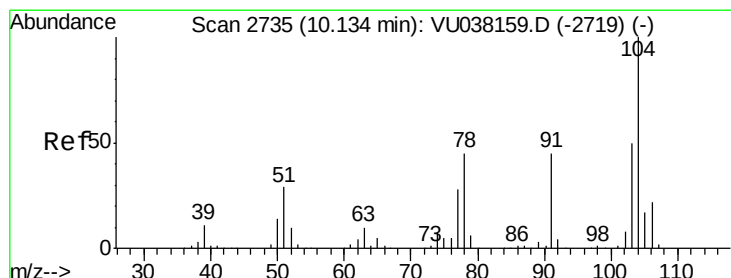
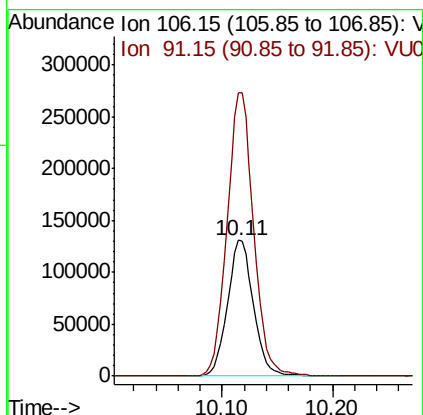
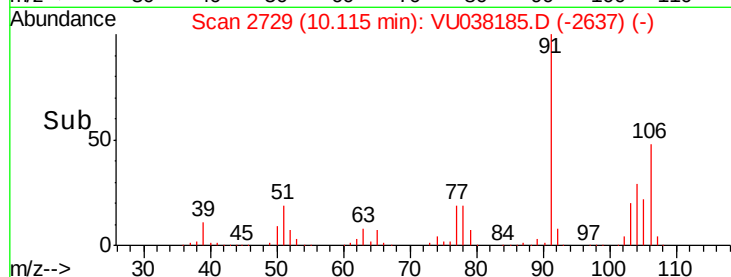
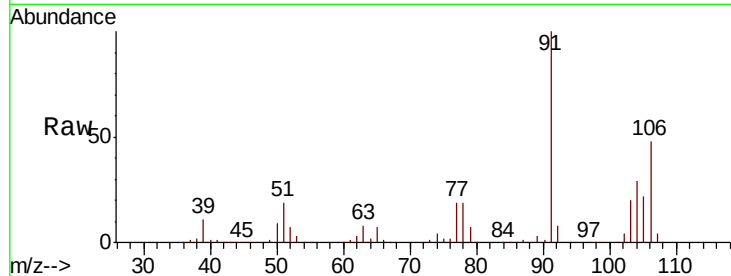




#54
o-Xylene
Concen: 4.561 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU038185.D
Acq: 14 May 2020 21:19

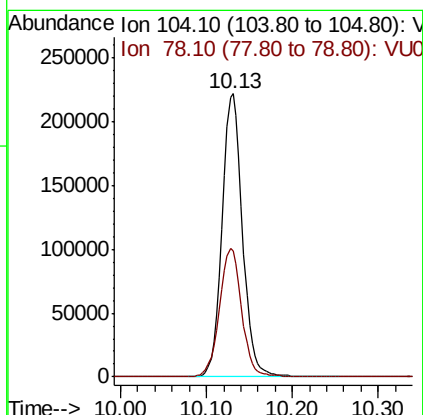
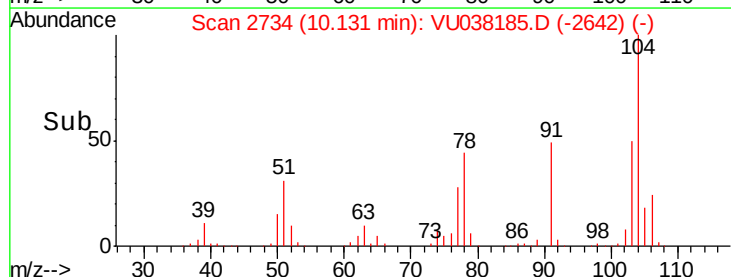
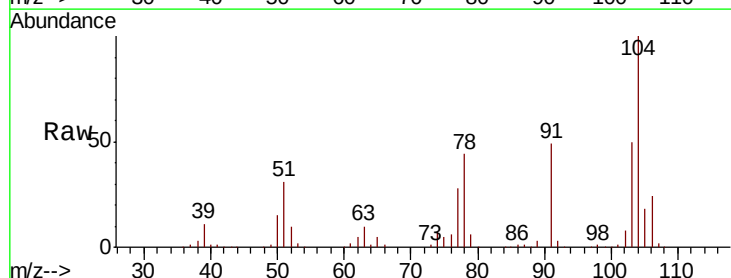
Instrument :
MSVOA_U
ClientSampled :

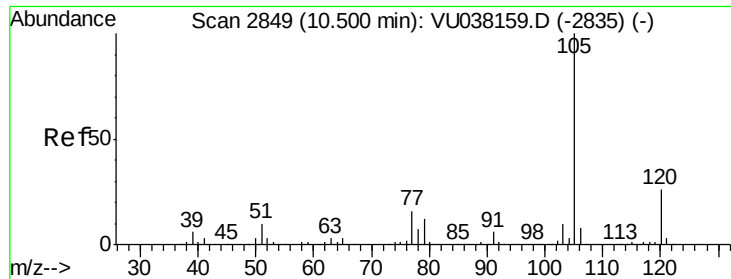
Tot Ion:106 Resp: 213650
Ion Ratio Lower Upper
106 100
91 208.2 148.5 275.9



#55
Styrene
Concen: 4.650 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VU038185.D
Acq: 14 May 2020 21:19

Tgt Ion:104 Resp: 365696
Ion Ratio Lower Upper
104 100
78 44.4 32.3 59.9





#56

Isopropylbenzene

Concen: 4.522 ug/L

RT: 10.50 min Scan# 2848

Delta R.T. -0.00 min

Lab File: VU038185.D

Acq: 14 May 2020 21:19

Instrument :

MSVOA_U

ClientSampleId :

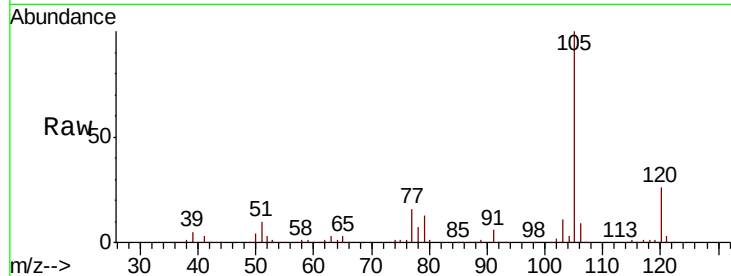
Tot Ion:105 Resp: 544084

Ion Ratio Lower Upper

105 100

120 26.1 21.0 31.6

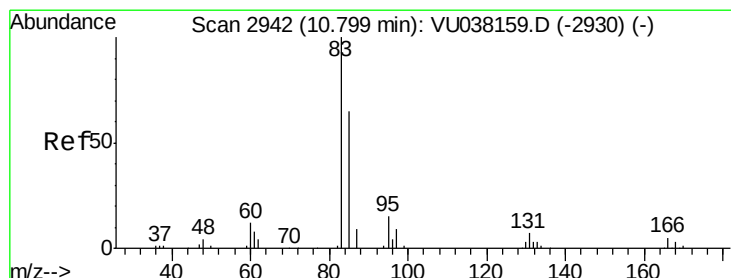
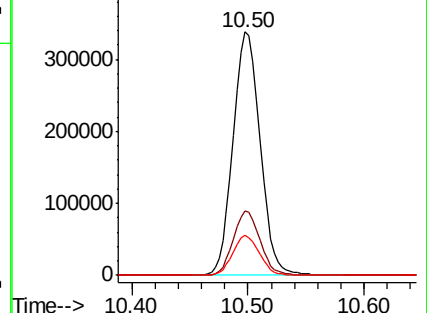
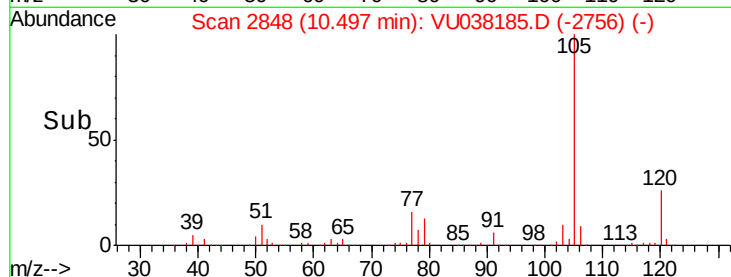
77 16.1 13.0 19.4



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: 4.874 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. -0.00 min

Lab File: VU038185.D

Acq: 14 May 2020 21:19

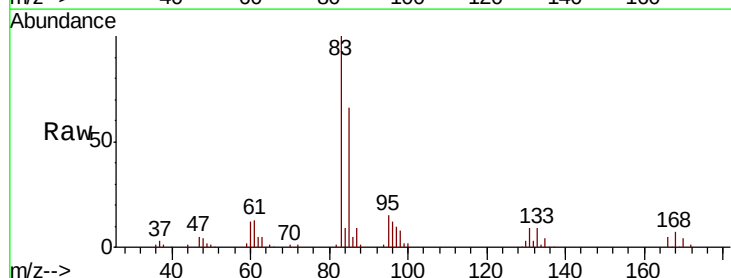
Tgt Ion: 83 Resp: 128992

Ion Ratio Lower Upper

83 100

85 65.6 47.0 87.2

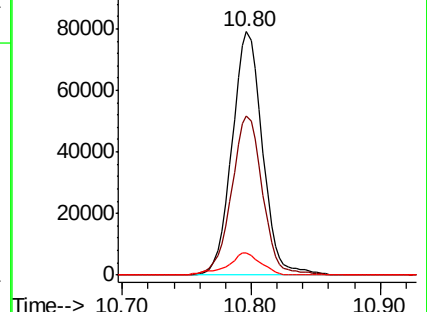
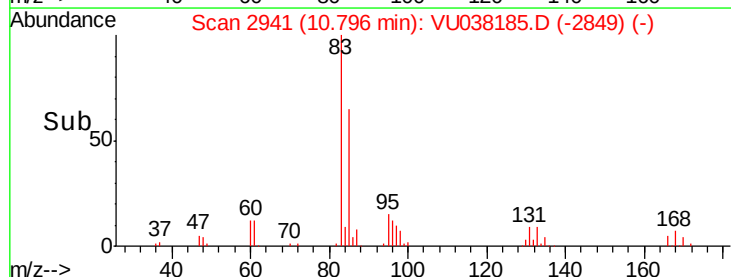
131 9.2 7.7 11.5

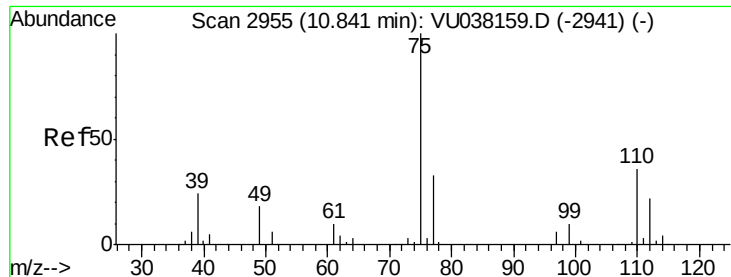


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

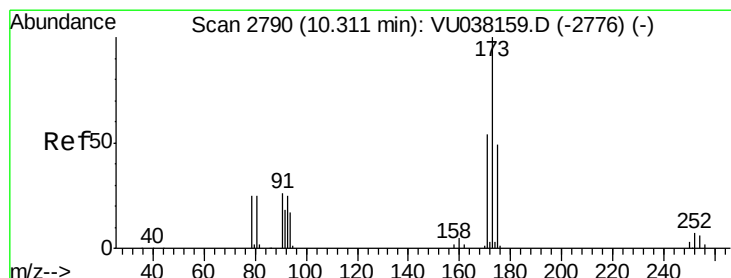
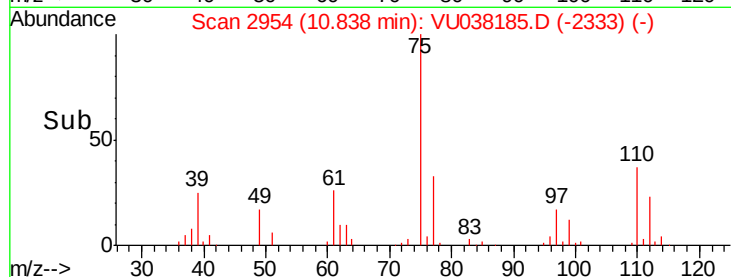
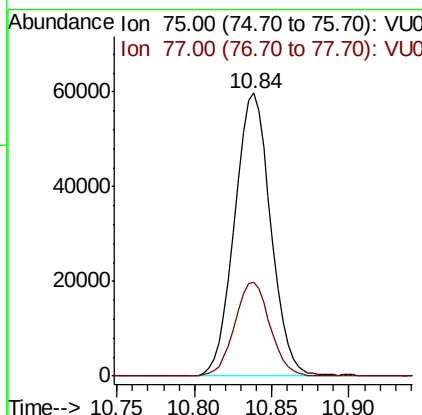
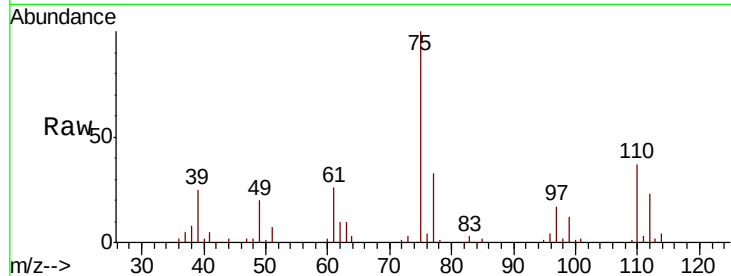




#59
 1,2,3-Trichloropropane
 Concen: 4.815 ug/L
 RT: 10.84 min Scan# 2954
 Delta R.T. -0.00 min
 Lab File: VU038185.D
 Acq: 14 May 2020 21:19

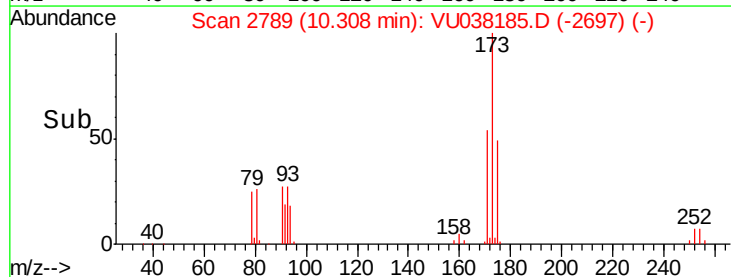
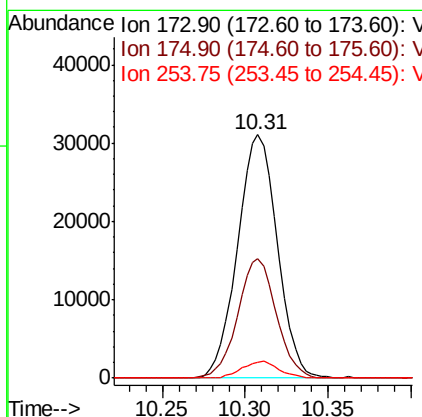
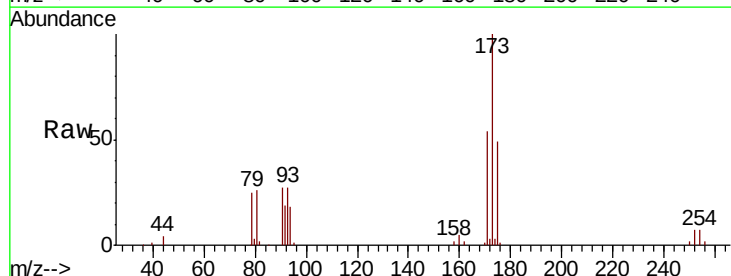
Instrument :
 MSVOA_U
 ClientSampleId :

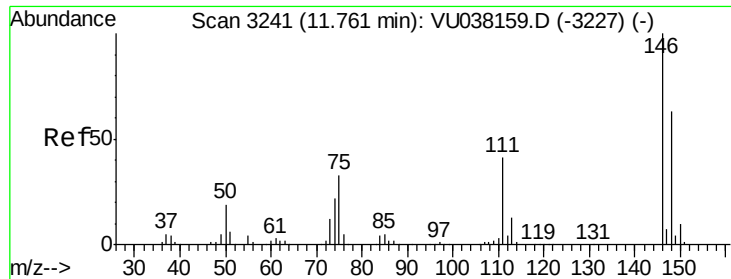
Tot Ion: 75 Resp: 96990
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.4 38.0



#61
 Bromoform
 Concen: 4.582 ug/L
 RT: 10.31 min Scan# 2789
 Delta R.T. -0.00 min
 Lab File: VU038185.D
 Acq: 14 May 2020 21:19

Tgt Ion: 173 Resp: 51701
 Ion Ratio Lower Upper
 173 100
 175 47.5 39.5 59.3
 254 6.4 5.0 7.4

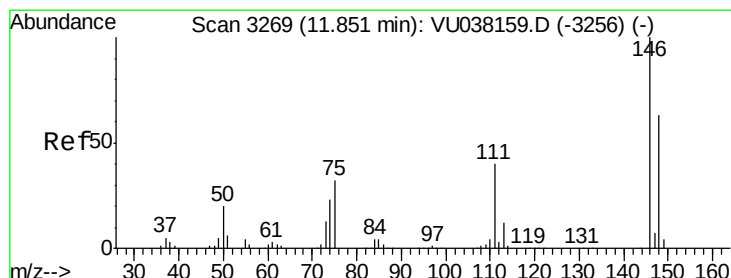
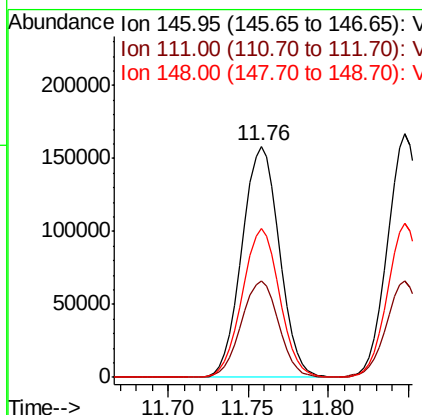
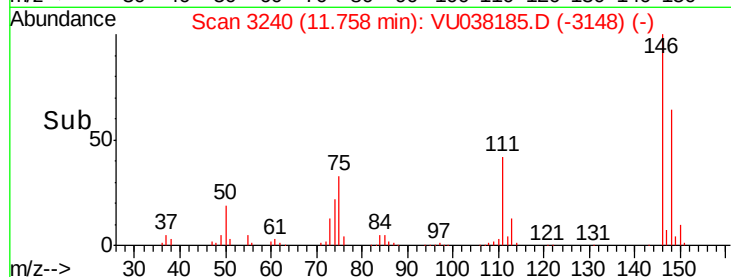
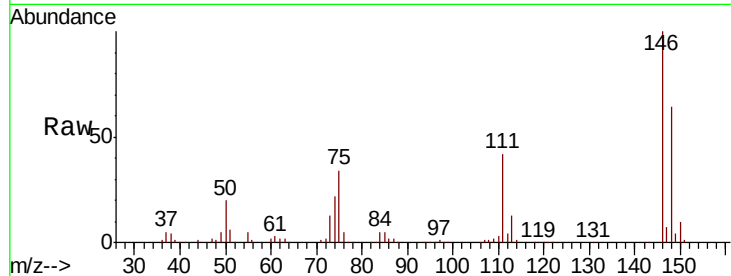




#62
 1,3-Dichlorobenzene
 Concen: 4.650 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. -0.00 min
 Lab File: VU038185.D
 Acq: 14 May 2020 21:19

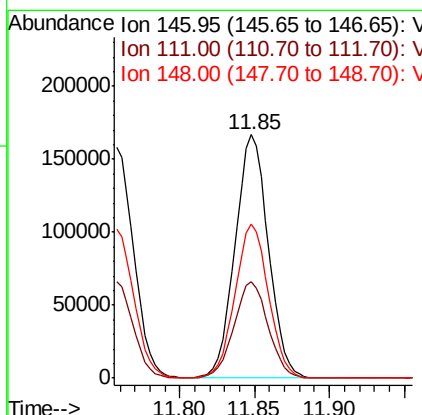
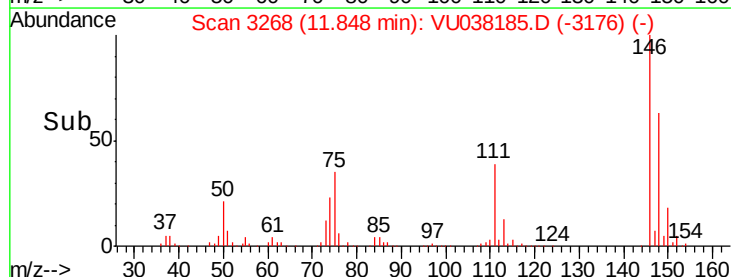
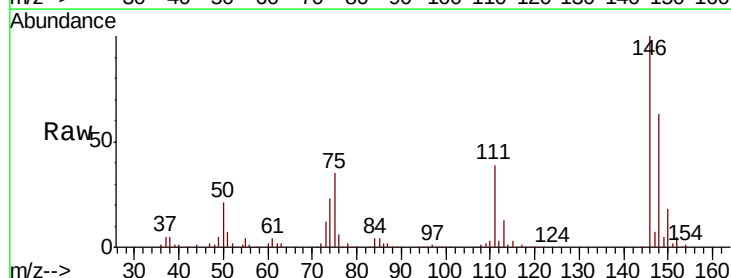
Instrument :
 MSVOA_U
 ClientSampled :

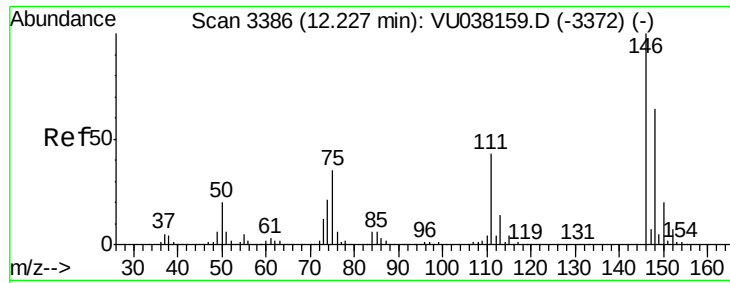
Tot Ion:146 Resp: 252570
 Ion Ratio Lower Upper
 146 100
 111 41.5 28.6 53.2
 148 64.3 45.2 84.0



#63
 1,4-Dichlorobenzene
 Concen: 4.672 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. -0.00 min
 Lab File: VU038185.D
 Acq: 14 May 2020 21:19

Tgt Ion:146 Resp: 257166
 Ion Ratio Lower Upper
 146 100
 111 39.5 27.2 50.6
 148 63.1 43.8 81.3





#65

1,2-Dichlorobenzene

Concen: 4.711 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. -0.00 min

Lab File: VU038185.D

Acq: 14 May 2020 21:19

Instrument :

MSVOA_U

ClientSampleId :

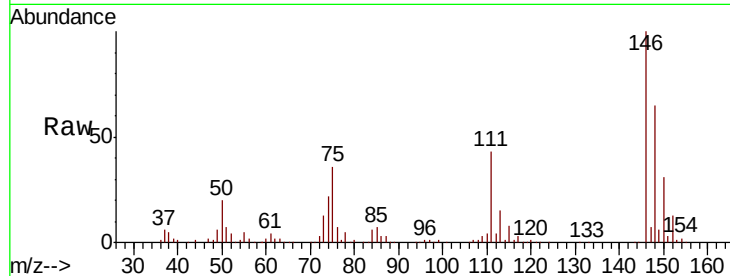
Tot Ion:146 Resp: 246194

Ion Ratio Lower Upper

146 100

111 42.9 35.3 52.9

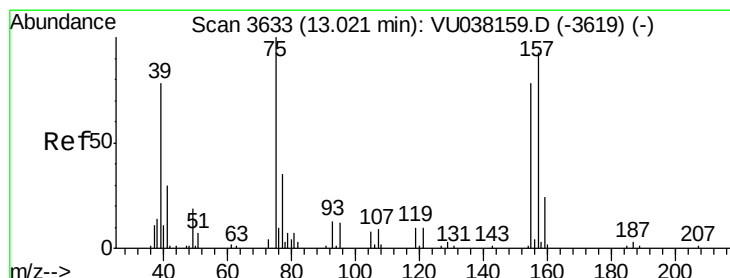
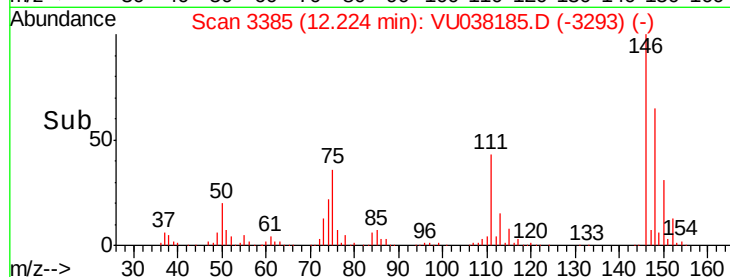
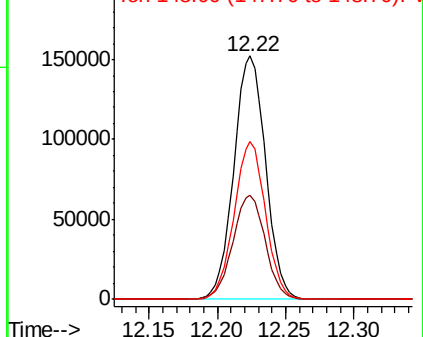
148 65.0 51.0 76.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.435 ug/L

RT: 13.01 min Scan# 3631

Delta R.T. -0.01 min

Lab File: VU038185.D

Acq: 14 May 2020 21:19

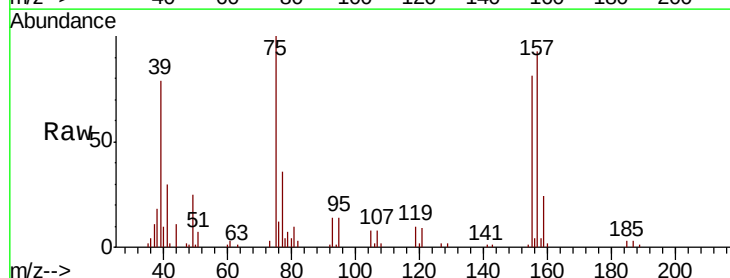
Tgt Ion: 75 Resp: 18941

Ion Ratio Lower Upper

75 100

155 80.7 58.2 87.2

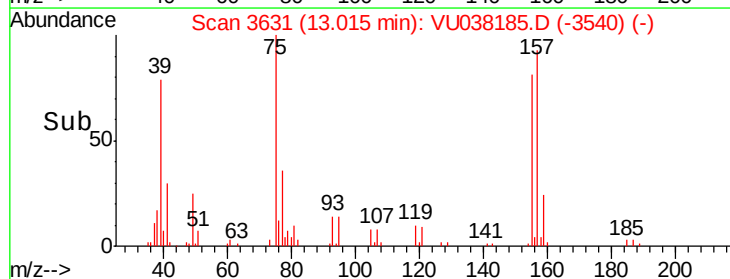
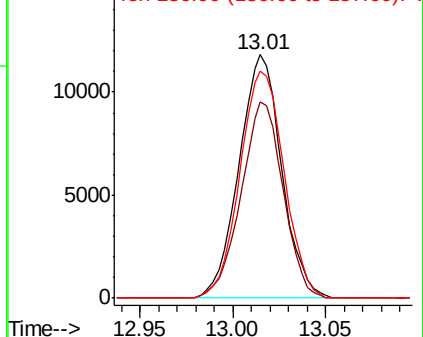
157 93.3 72.9 109.3

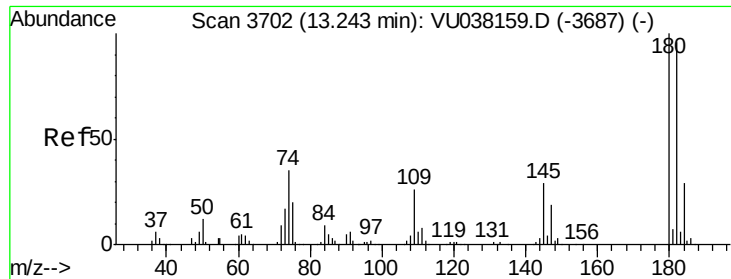


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

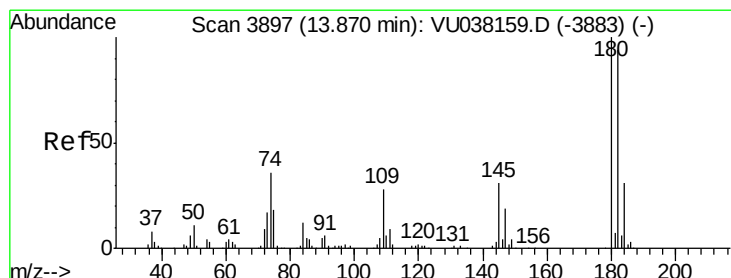
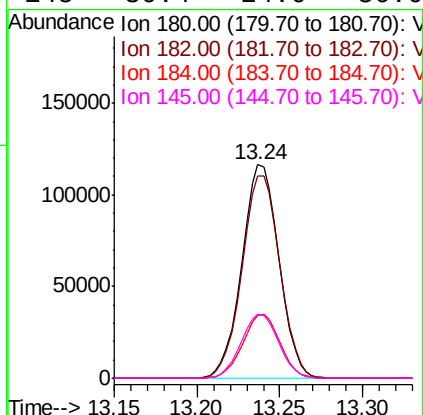
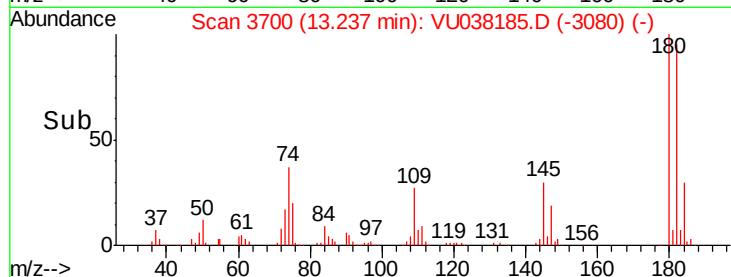
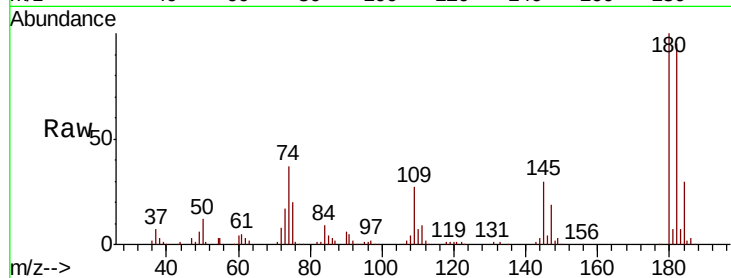




#67
 1,3,5-Trichlorobenzene
 Concen: 4.594 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. -0.01 min
 Lab File: VU038185.D
 Acq: 14 May 2020 21:19

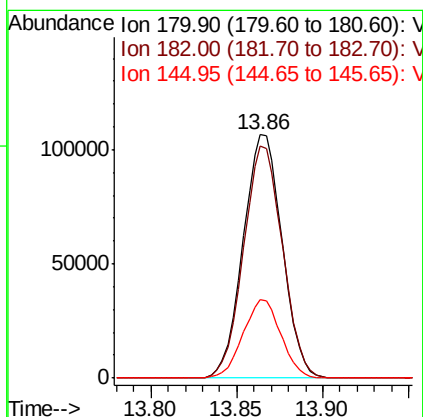
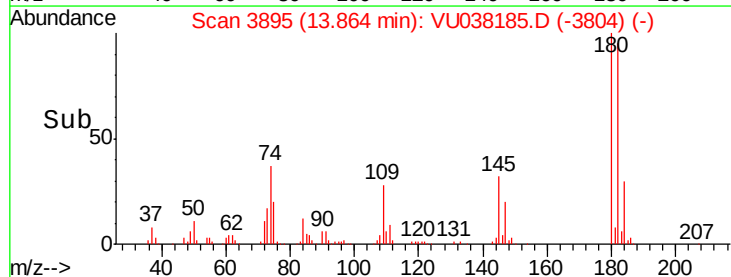
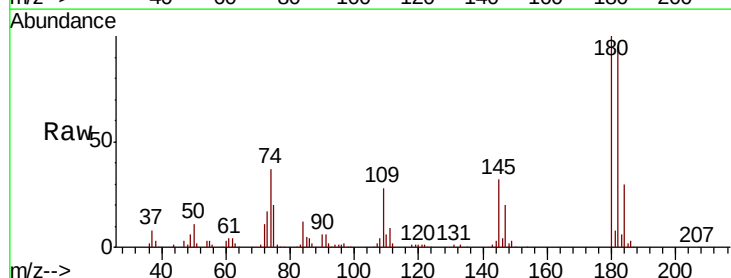
Instrument :
 MSVOA_U
 ClientSampleId :

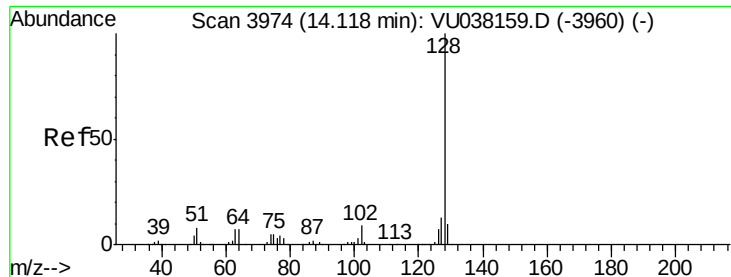
Tot Ion:180	Resp:	181072
Ion Ratio	Lower	Upper
180	100	
182	96.9	77.4 116.2
184	29.9	24.2 36.2
145	30.4	24.0 36.0



#68
 1,2,4-trichlorobenzene
 Concen: 4.695 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. -0.01 min
 Lab File: VU038185.D
 Acq: 14 May 2020 21:19

Tgt Ion:180	Resp:	167861
Ion Ratio	Lower	Upper
180	100	
182	95.2	75.0 112.6
145	31.4	24.8 37.2





#69

Naphthalene

Concen: 4.778 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.00 min

Lab File: VU038185.D

Acq: 14 May 2020 21:19

Instrument :

MSVOA_U

ClientSampleId :

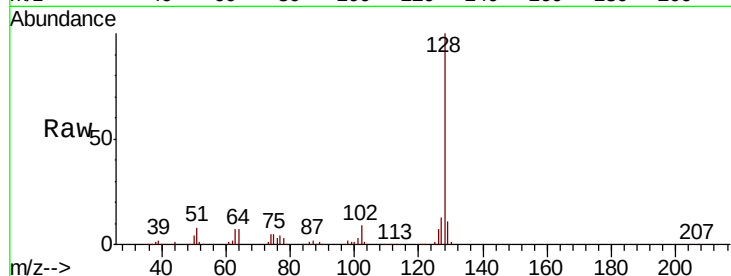
Tot Ion:128 Resp: 359585

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

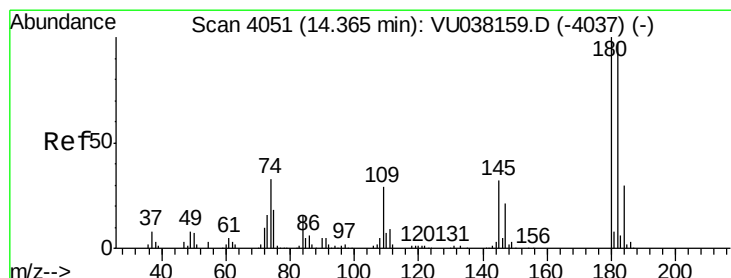
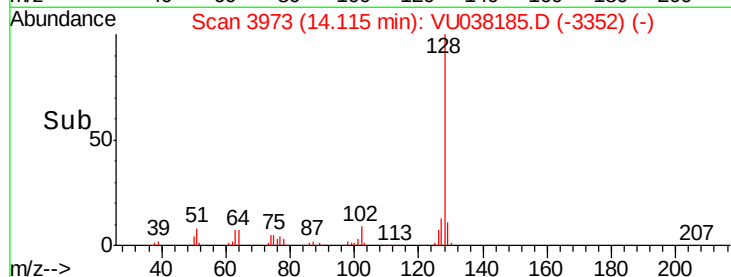
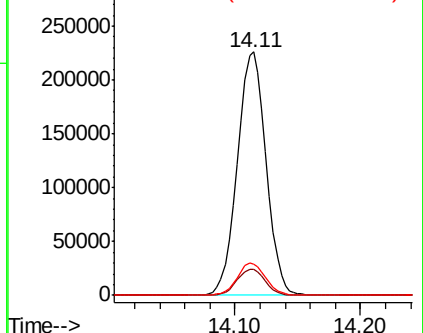
127 13.1 10.2 15.4



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: 4.762 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. -0.01 min

Lab File: VU038185.D

Acq: 14 May 2020 21:19

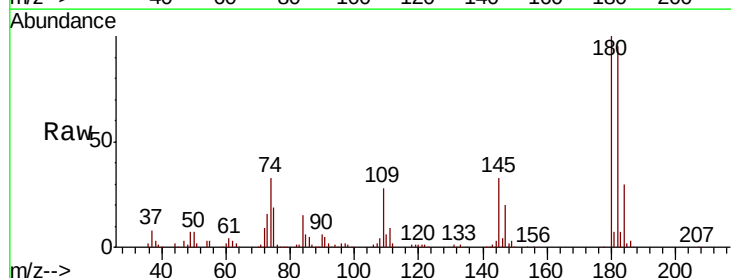
Tgt Ion:180 Resp: 158240

Ion Ratio Lower Upper

180 100

182 95.3 76.3 114.5

145 33.0 26.1 39.1



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

