

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU053120\
 Data File : VU038434.D
 Acq On : 30 May 2020 23:20
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 01 02:43:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Jun 01 02:37:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	305444	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	292017	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	144355	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	98157	4.97	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.40%
7) Chloroethane-d5	1.93	69	77123	5.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.60%
11) 1,1-Dichloroethene-d2	2.59	63	189970	4.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.60%
20) 2-Butanone-d5	4.68	46	326238	54.32	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.64%
24) Chloroform-d	5.10	84	191641	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.20%
26) 1,2-Dichloroethane-d4	5.74	65	110873	5.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.20%
32) Benzene-d6	5.76	84	375858	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.20%
36) 1,2-Dichloropropane-d6	6.72	67	118066	5.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.40%
41) Toluene-d8	7.92	98	325675	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.60%
43) trans-1,3-Dichloropropene-	8.20	79	48656	5.05	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.00%
46) 2-Hexanone-d5	8.65	63	280149	58.84	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	117.68%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	101829	5.35	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.00%
64) 1,2-Dichlorobenzene-d4	12.20	152	125093	5.02	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	112077	4.656	ug/L 100
3) Chloromethane	1.53	50	112434	5.086	ug/L 97
5) Vinyl chloride	1.62	62	119187	5.032	ug/L 99
6) Bromomethane	1.87	94	56897	4.948	ug/L 97
8) Chloroethane	1.95	64	72872	5.134	ug/L 97
9) Trichlorofluoromethane	2.16	101	147308	4.688	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	79425	4.292	ug/L 99
12) 1,1-Dichloroethene	2.60	96	89951	4.782	ug/L 93
13) Acetone	2.68	43	210924	53.669	ug/L 98
14) Carbon disulfide	2.82	76	296307	4.642	ug/L 99
15) Methyl Acetate	2.99	43	53997	5.608	ug/L 98
16) Methylene chloride	3.08	84	110375	5.185	ug/L 98
17) Methyl tert-butyl Ether	3.40	73	271969	5.514	ug/L 99
18) trans-1,2-Dichloroethene	3.39	96	101697	5.016	ug/L 98
19) 1,1-Dichloroethane	3.91	63	188012	5.182	ug/L 98
21) 2-Butanone	4.76	43	367876	55.651	ug/L 97
22) cis-1,2-Dichloroethene	4.71	96	111217	5.095	ug/L 97

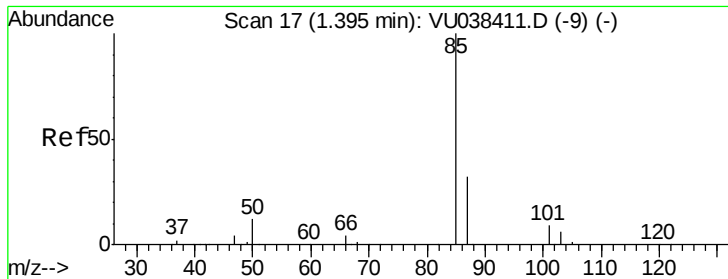
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU053120\
 Data File : VU038434.D
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 Operator : JC/MD
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 ClientSampleId :

Quant Time: Jun 01 02:43:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Jun 01 02:37:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	51401	5.232	ug/L	95
25) Chloroform	5.13	83	192998	5.237	ug/L	99
27) 1,2-Dichloroethane	5.83	62	138436	5.336	ug/L	100
29) 1,1,1-Trichloroethane	5.35	97	156755	5.073	ug/L	99
30) Cyclohexane	5.42	56	138778	4.283	ug/L	99
31) Carbon tetrachloride	5.56	117	122173	4.749	ug/L	98
33) Benzene	5.81	78	423836	5.205	ug/L	100
34) Trichloroethene	6.57	95	104188	4.930	ug/L	94
35) Methylcyclohexane	6.79	83	135483	4.140	ug/L	97
37) 1,2-Dichloropropane	6.82	63	108706	5.305	ug/L	99
38) Bromodichloromethane	7.13	83	137094	5.387	ug/L	99
39) cis-1,3-Dichloropropene	7.63	75	156755	5.176	ug/L	98
40) 4-Methyl-2-pentanone	7.82	43	807718	55.118	ug/L	99
42) Toluene	7.99	91	427025	5.000	ug/L	97
44) trans-1,3-Dichloropropene	8.23	75	137525	5.142	ug/L	98
45) 1,1,2-Trichloroethane	8.42	97	84114	5.441	ug/L	96
47) Tetrachloroethene	8.57	164	70757	4.608	ug/L	97
48) 2-Hexanone	8.71	43	616648	55.564	ug/L	99
49) Dibromochloromethane	8.83	129	90914	5.448	ug/L	99
50) 1,2-Dibromoethane	8.94	107	81043	5.475	ug/L	100
51) Chlorobenzene	9.47	112	265511	4.820	ug/L	98
52) Ethylbenzene	9.59	91	440017	4.630	ug/L	100
53) m,p-Xylene	9.71	106	169992	4.652	ug/L	99
54) o-Xylene	10.12	106	168520	4.804	ug/L	99
55) Styrene	10.13	104	297391	4.994	ug/L	98
56) Isopropylbenzene	10.50	105	414400	4.488	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	104741	5.331	ug/L	97
59) 1,2,3-Trichloropropane	10.84	75	82581	5.400	ug/L	100
61) Bromoform	10.31	173	48868	5.434	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	205884	4.854	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	208265	4.842	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	199626	4.957	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.01	75	18234	5.592	ug/L	98
67) 1,3,5-Trichlorobenzene	13.24	180	145279	4.591	ug/L	100
68) 1,2,4-trichlorobenzene	13.87	180	133348	4.553	ug/L	97
69) Naphthalene	14.11	128	300129	5.149	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	131460	4.933	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 4.656 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU038434.D

Acq: 30 May 2020 23:20

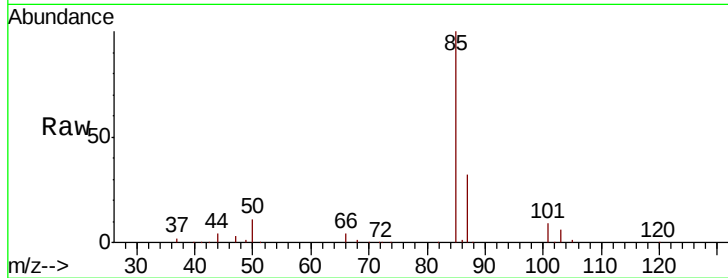
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 112077

Ion Ratio Lower Upper

85 100

87 31.8 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU038411.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU038411.D (-9) (-)

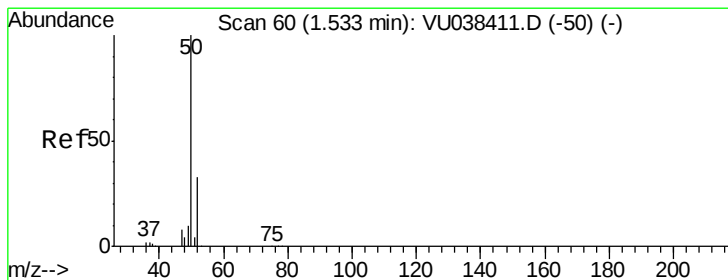
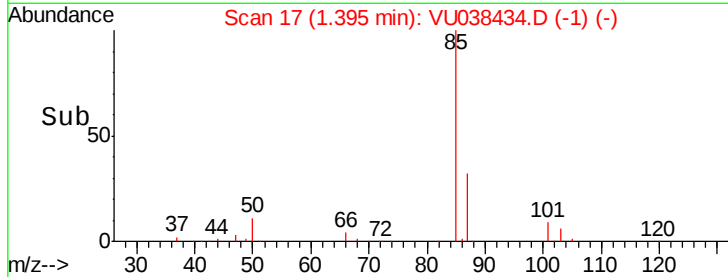
1.39

100000

50000

0

Time-->



#3

Chloromethane

Concen: 5.086 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU038434.D

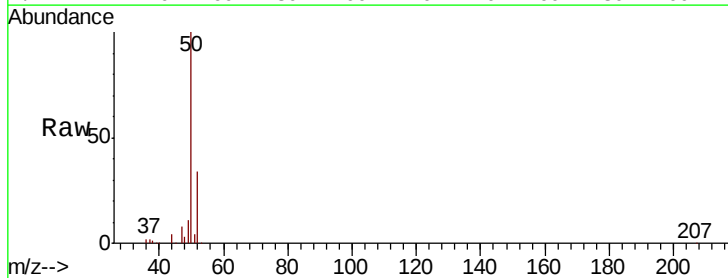
Acq: 30 May 2020 23:20

Tgt Ion: 50 Resp: 112434

Ion Ratio Lower Upper

50 100

52 34.3 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VU038411.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU038411.D (-50) (-)

1.53

100000

80000

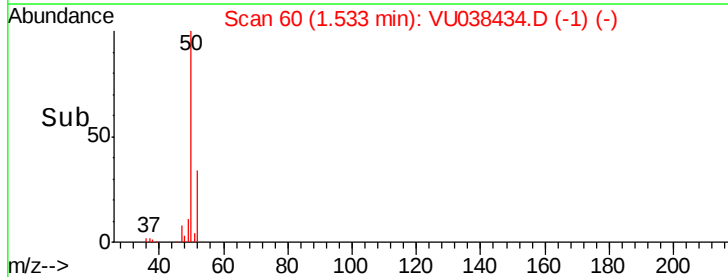
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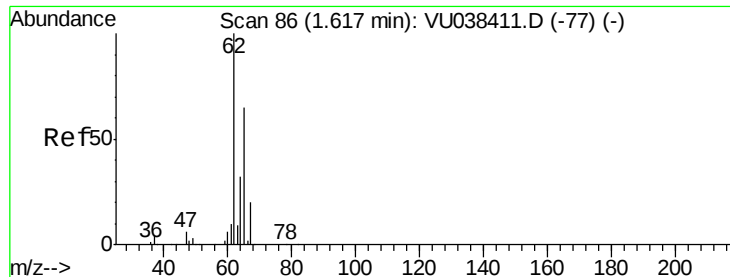
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 5.032 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU038434.D

Acq: 30 May 2020 23:20

Instrument :

MSVOA_U

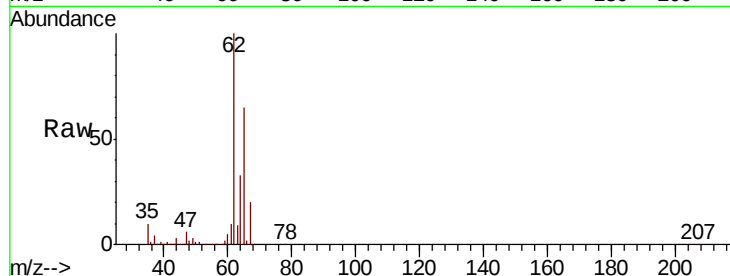
ClientSampleId :

Tot Ion: 62 Resp: 119187

Ion Ratio Lower Upper

62 100

64 33.2 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VU038434.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU038434.D (-77) (-)

1.62

120000

100000

80000

60000

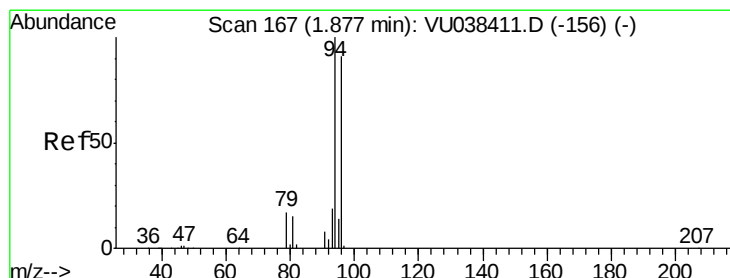
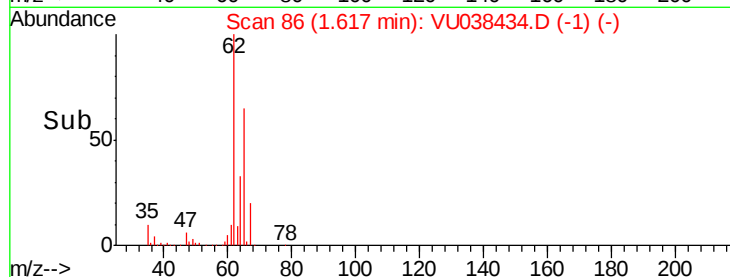
40000

20000

0

1.60 1.65

Time-->



#6

Bromomethane

Concen: 4.948 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU038434.D

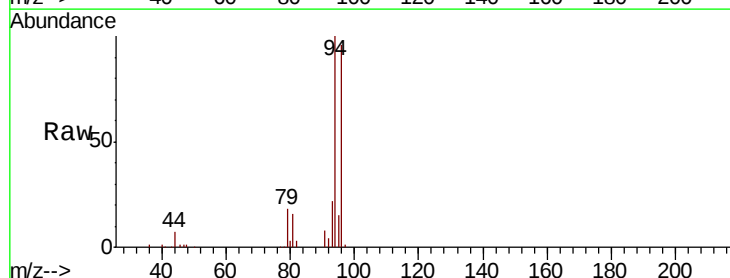
Acq: 30 May 2020 23:20

Tgt Ion: 94 Resp: 56897

Ion Ratio Lower Upper

94 100

96 95.9 65.5 121.6



Abundance Ion 94.00 (93.70 to 94.70): VU038434.D (-74) (-)

Ion 96.00 (95.70 to 96.70): VU038434.D (-74) (-)

1.87

50000

40000

30000

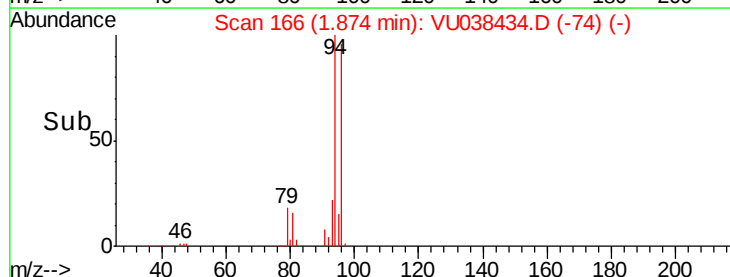
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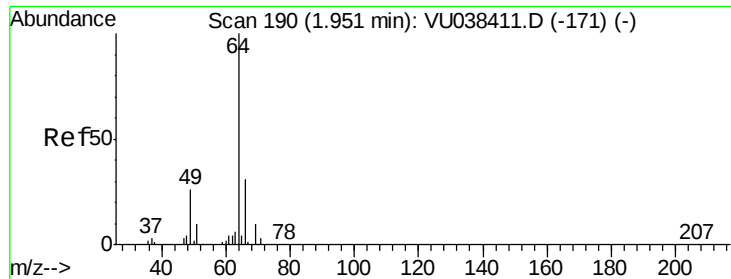
10000

0

1.85 1.90

Time-->





#8

Chloroethane

Concen: 5.134 ug/L

RT: 1.95 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU038434.D

Acq: 30 May 2020 23:20

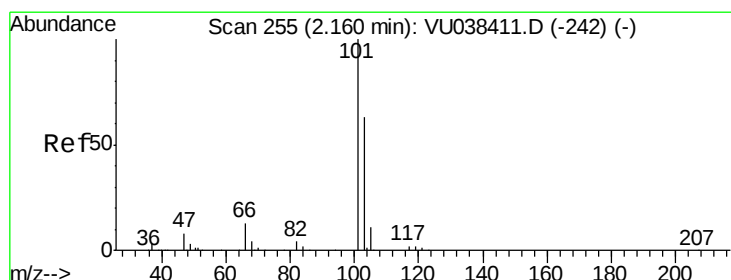
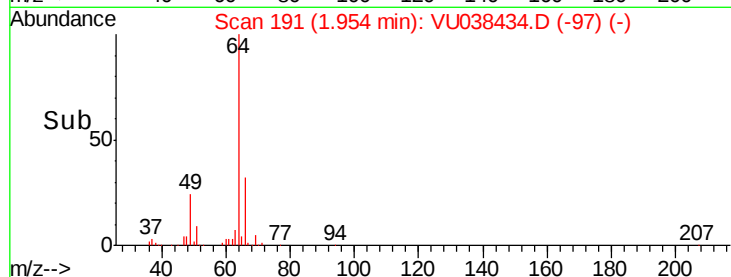
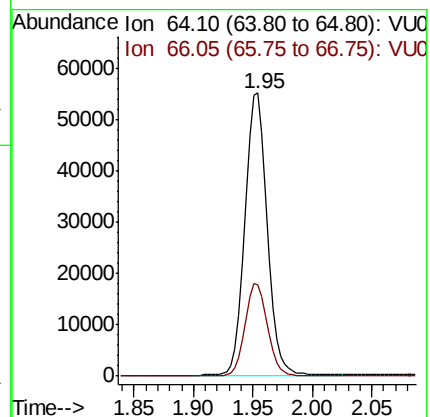
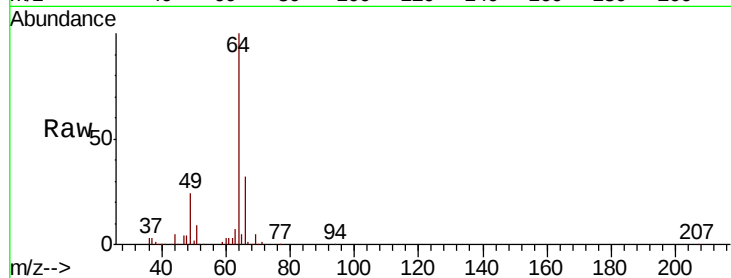
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 64 Resp: 72872

Ion Ratio Lower Upper

64 100

66 32.5 21.5 39.9



#9

Trichlorofluoromethane

Concen: 4.688 ug/L

RT: 2.16 min Scan# 255

Delta R.T. -0.00 min

Lab File: VU038434.D

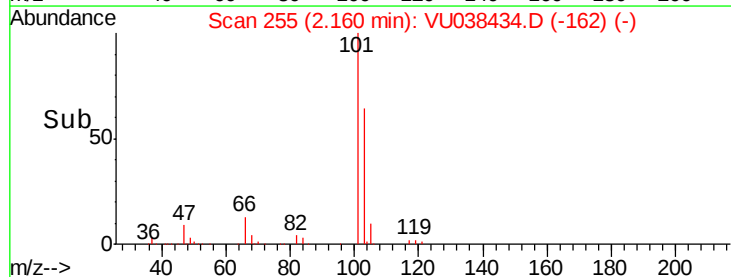
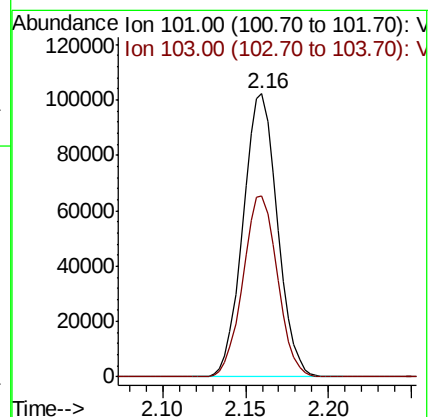
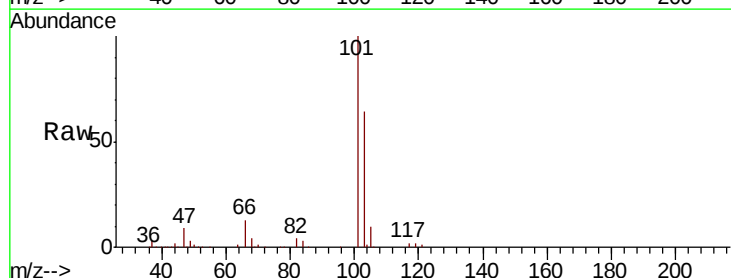
Acq: 30 May 2020 23:20

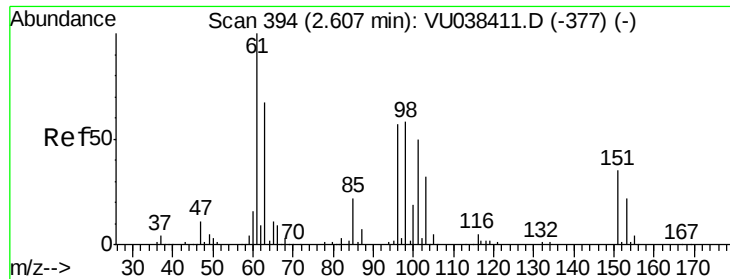
Tgt Ion:101 Resp: 147308

Ion Ratio Lower Upper

101 100

103 64.2 51.1 76.7





#10

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

Concen: 4.292 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU038434.D

Acq: 30 May 2020 23:20

Instrument :

MSVOA_U

ClientSampled :

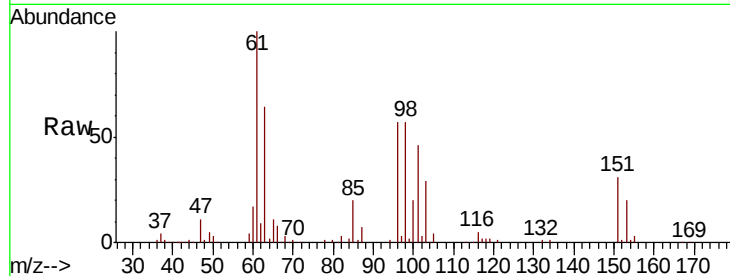
Tot Ion:101 Resp: 79425

Ion Ratio Lower Upper

101 100

85 43.6 34.0 51.0

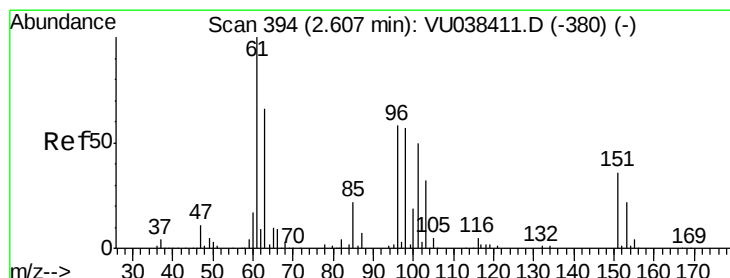
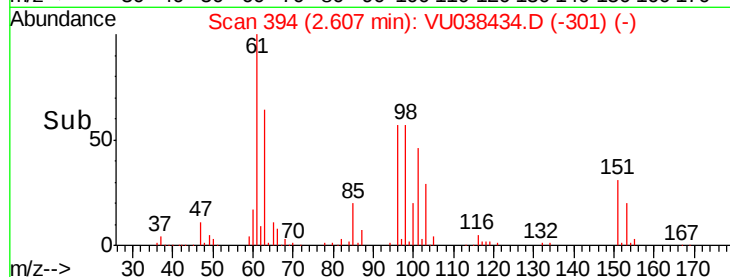
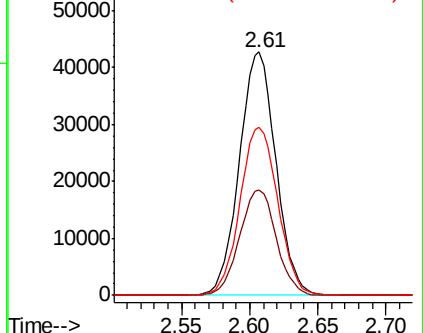
151 71.5 56.9 85.3



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: 4.782 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038434.D

Acq: 30 May 2020 23:20

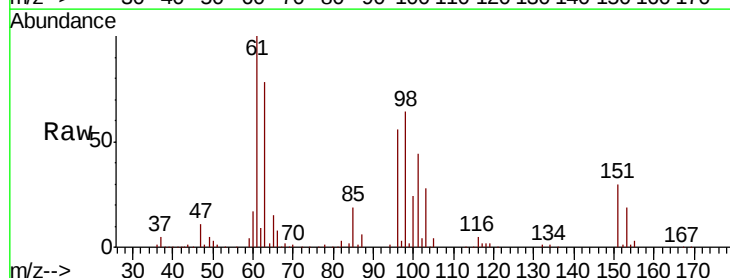
Tgt Ion: 96 Resp: 89951

Ion Ratio Lower Upper

96 100

61 179.1 119.9 222.7

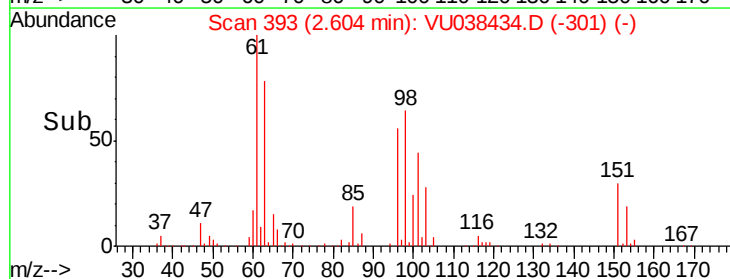
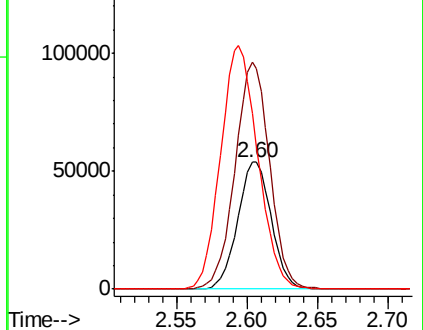
63 139.0 89.9 167.0

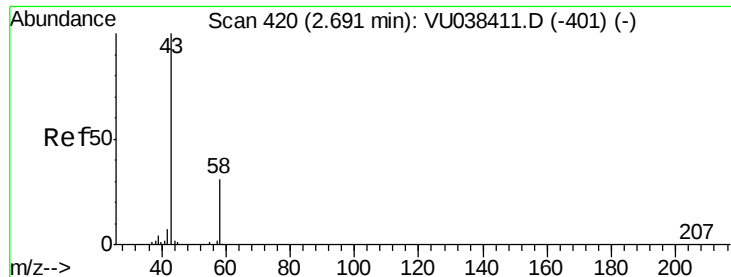


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 53.669 ug/L

RT: 2.68 min Scan# 418

Delta R.T. -0.01 min

Lab File: VU038434.D

Acq: 30 May 2020 23:20

Instrument :

MSVOA_U

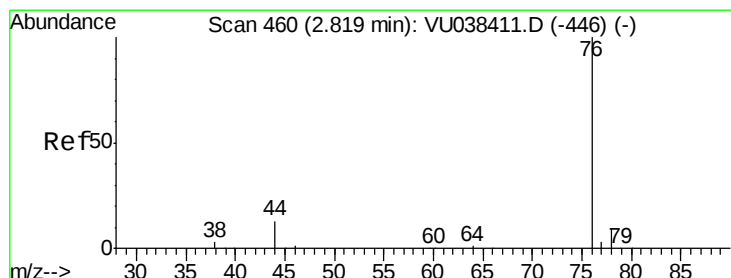
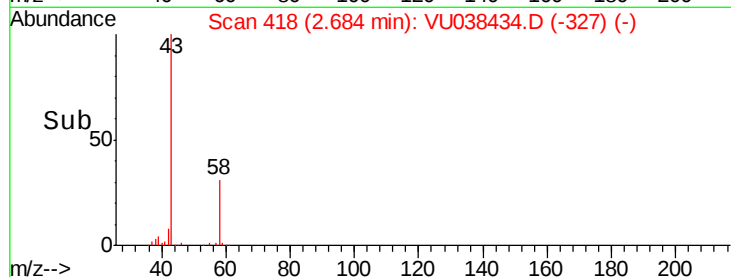
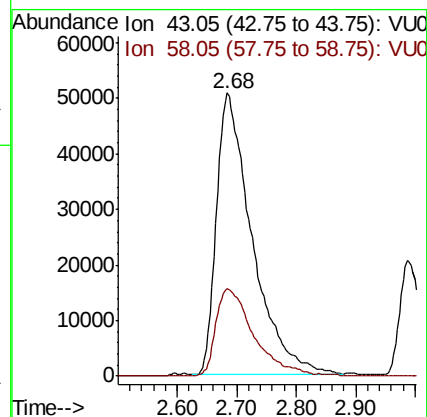
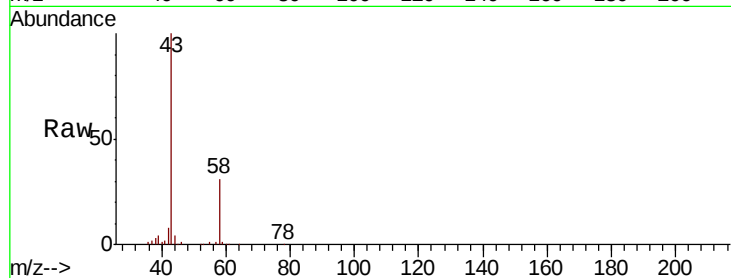
ClientSampled :

Tot Ion: 43 Resp: 210924

Ion Ratio Lower Upper

43 100

58 31.5 0.0 65.6



#14

Carbon disulfide

Concen: 4.642 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU038434.D

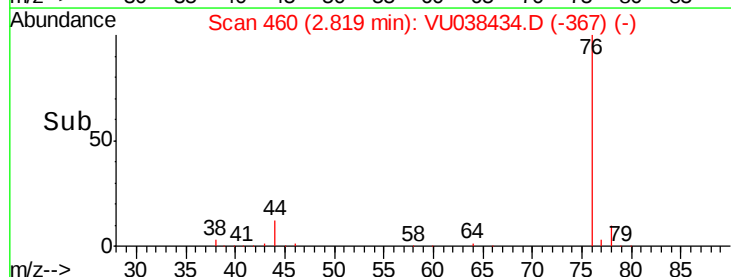
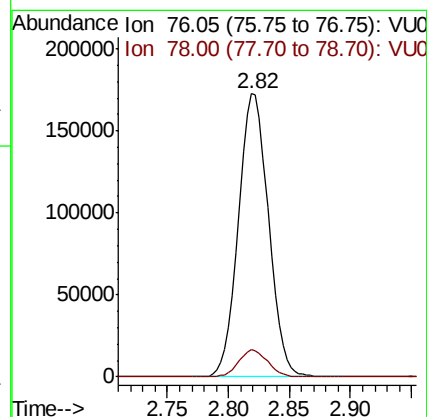
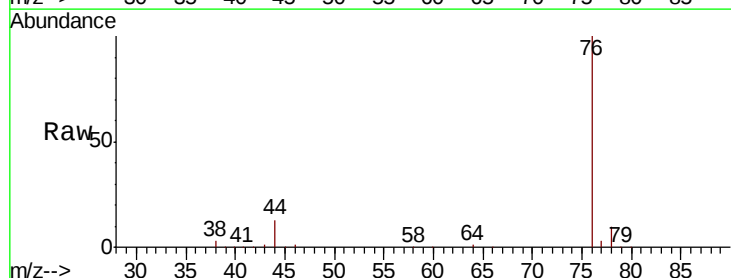
Acq: 30 May 2020 23:20

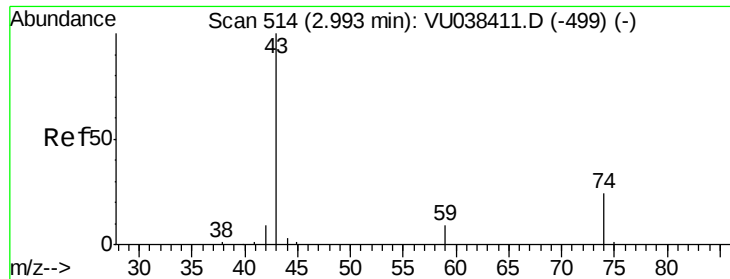
Tgt Ion: 76 Resp: 296307

Ion Ratio Lower Upper

76 100

78 9.5 7.3 10.9

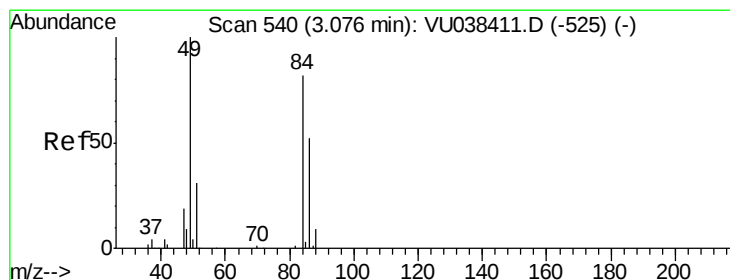
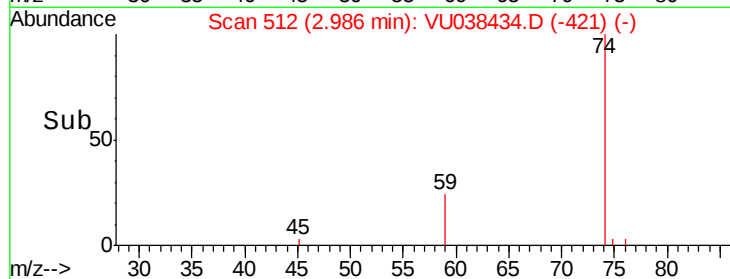
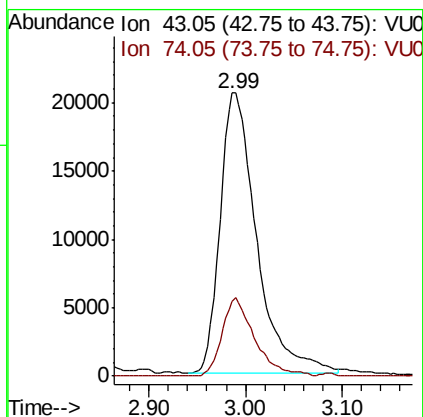
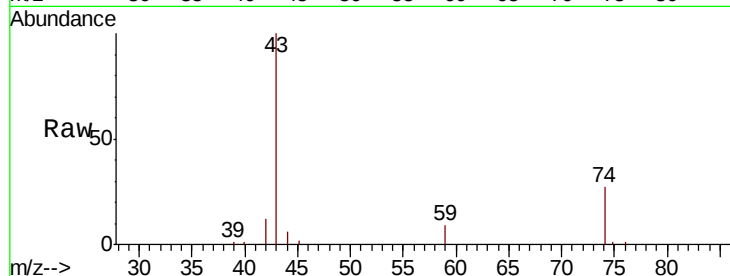




#15
Methvl Acetate
Concen: 5.608 ug/L
RT: 2.99 min Scan# 512
Delta R.T. -0.01 min
Lab File: VU038434.D
Acq: 30 May 2020 23:20

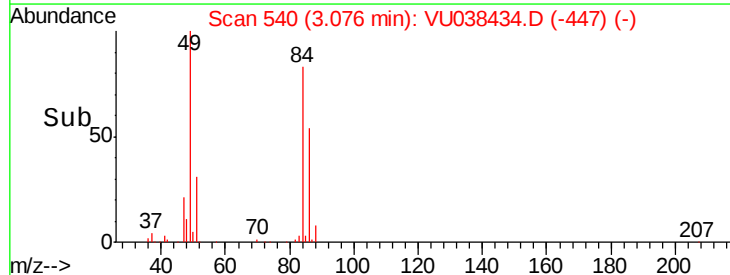
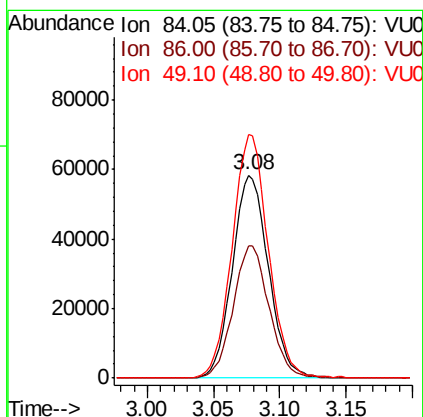
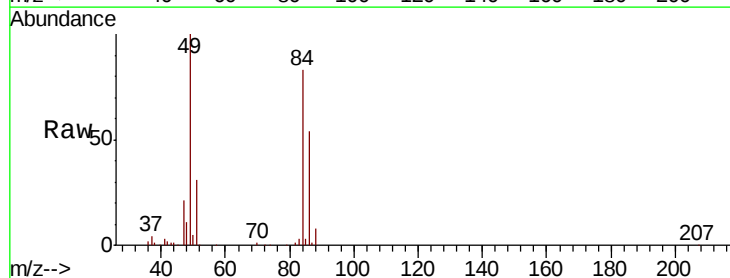
Instrument :
MSVOA_U
ClientSampled :

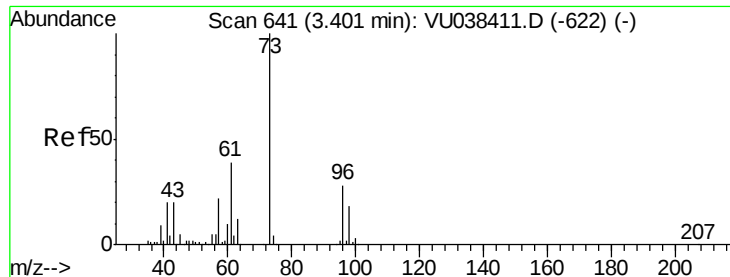
Tot Ion: 43 Resp: 53997
Ion Ratio Lower Upper
43 100
74 24.9 19.2 28.8



#16
Methylene chloride
Concen: 5.185 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU038434.D
Acq: 30 May 2020 23:20

Tgt Ion: 84 Resp: 110375
Ion Ratio Lower Upper
84 100
86 65.1 45.0 83.6
49 119.9 85.5 158.9



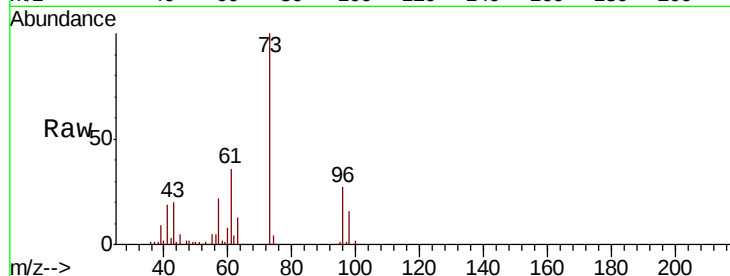


#17

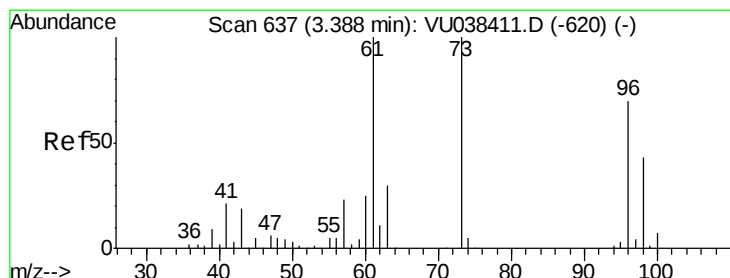
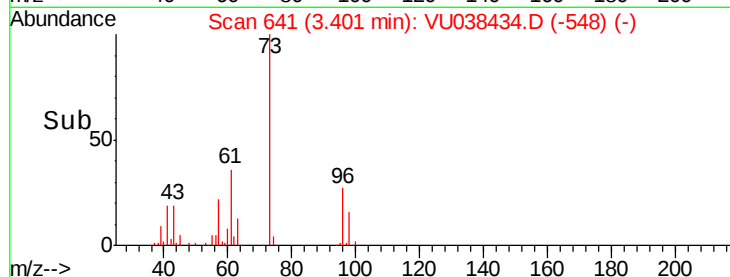
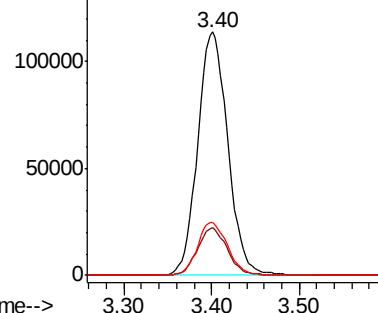
Methvl tert-butvl Ether
 Concen: 5.514 ug/L
 RT: 3.40 min Scan# 641
 Delta R.T. -0.00 min
 Lab File: VU038434.D
 Acq: 30 May 2020 23:20

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
73	100		
43	19.4	15.5	23.3
57	21.7	17.8	26.6



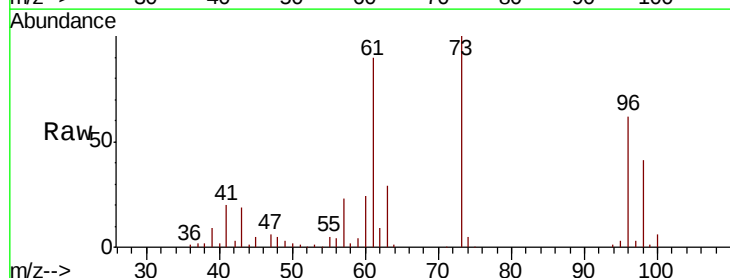
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



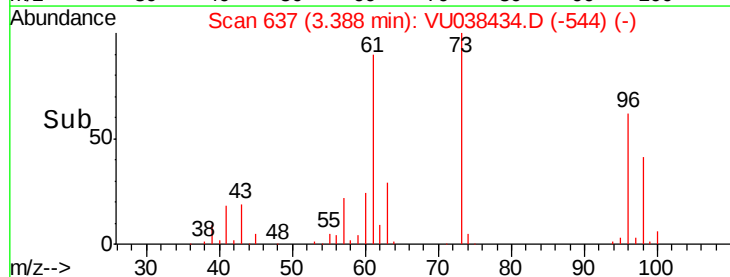
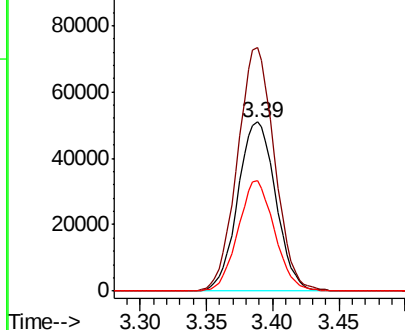
#18

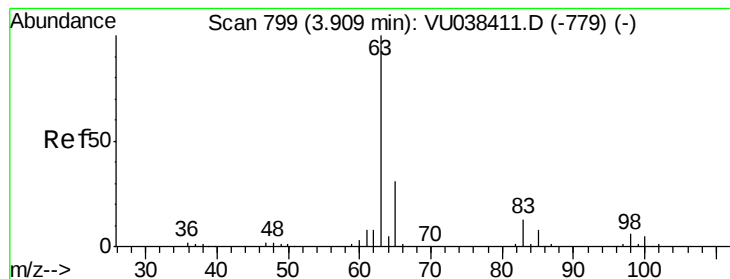
trans-1,2-Dichloroethene
 Concen: 5.016 ug/L
 RT: 3.39 min Scan# 637
 Delta R.T. -0.00 min
 Lab File: VU038434.D
 Acq: 30 May 2020 23:20

Tgt Ion	Ratio	Lower	Upper
96	100		
61	143.9	100.2	186.0
98	65.1	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

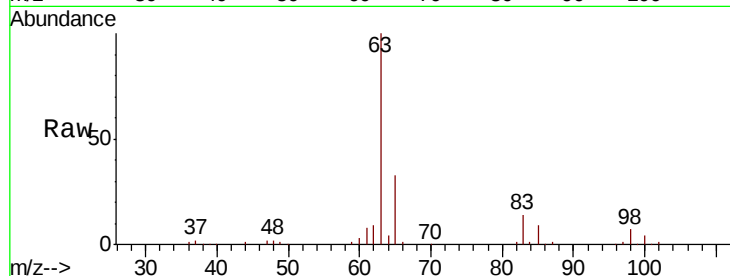




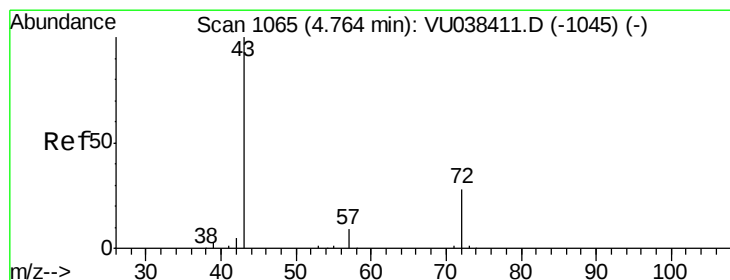
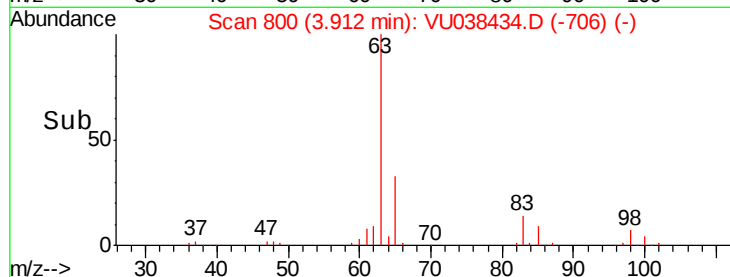
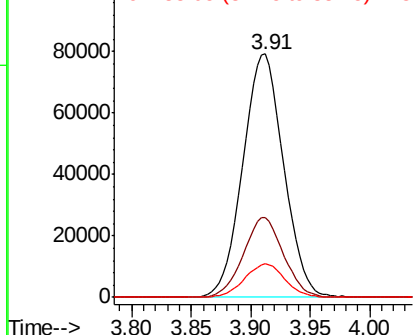
#19
 1,1-Dichloroethane
 Concen: 5.182 ug/L
 RT: 3.91 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: VU038434.D
 Acq: 30 May 2020 23:20

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 63 Resp: 188012
 Ion Ratio Lower Upper
 63 100
 65 32.8 22.3 41.5
 83 13.7 10.4 19.4

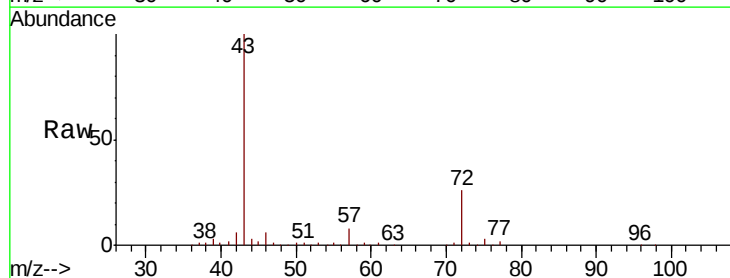


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

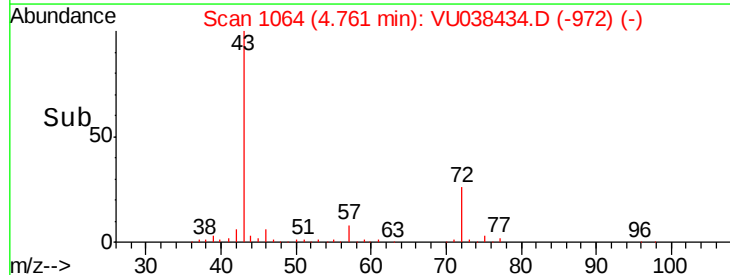
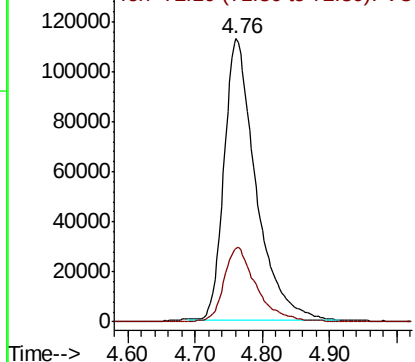


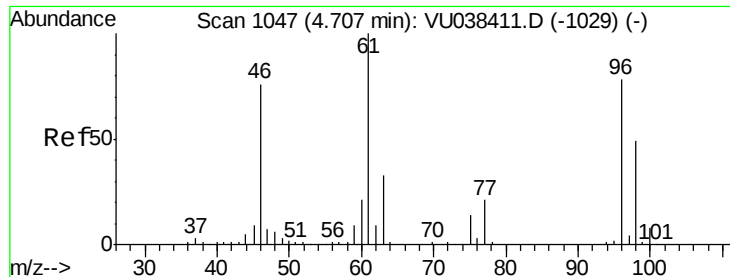
#21
 2-Butanone
 Concen: 55.651 ug/L
 RT: 4.76 min Scan# 1064
 Delta R.T. -0.00 min
 Lab File: VU038434.D
 Acq: 30 May 2020 23:20

Tgt Ion: 43 Resp: 367876
 Ion Ratio Lower Upper
 43 100
 72 26.8 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: 5.095 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU038434.D

Acq: 30 May 2020 23:20

Instrument :
MSVOA_U
ClientSampleId :

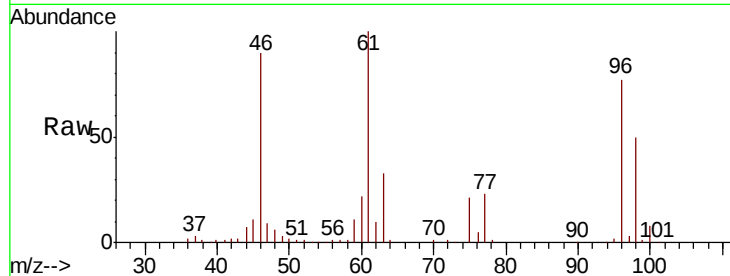
Tot Ion: 96 Resp: 111217

Ion Ratio Lower Upper

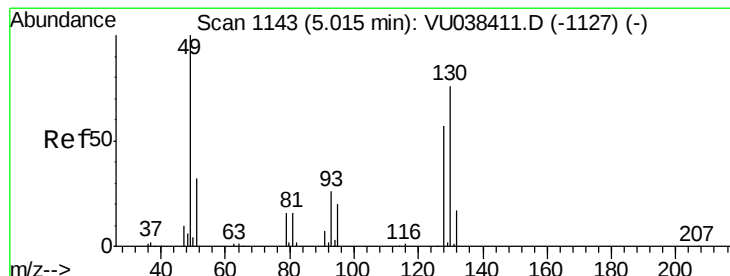
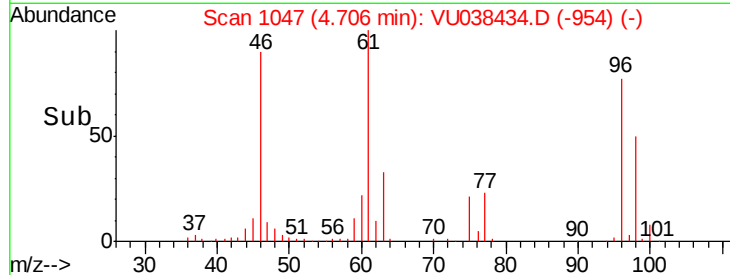
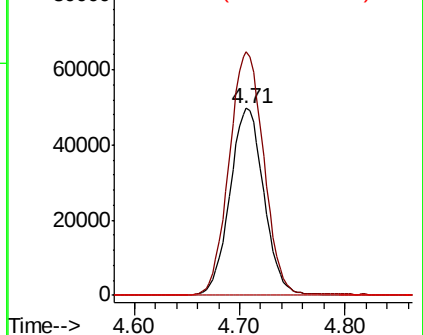
96 100

61 130.4 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: 5.232 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU038434.D

Acq: 30 May 2020 23:20

Tgt Ion: 128 Resp: 51401

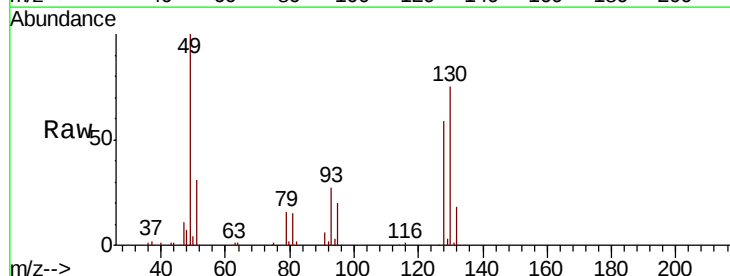
Ion Ratio Lower Upper

128 100

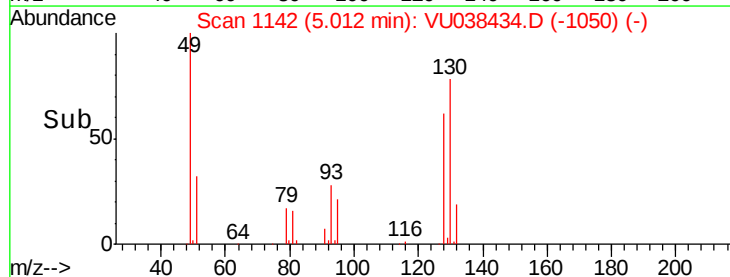
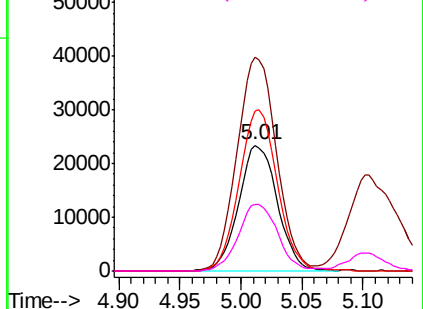
49 169.6 111.9 207.7

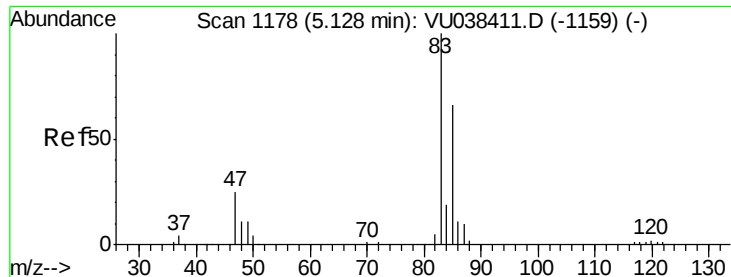
130 126.6 86.5 160.7

51 53.4 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

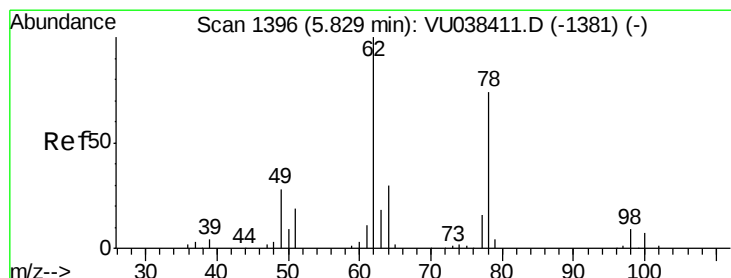
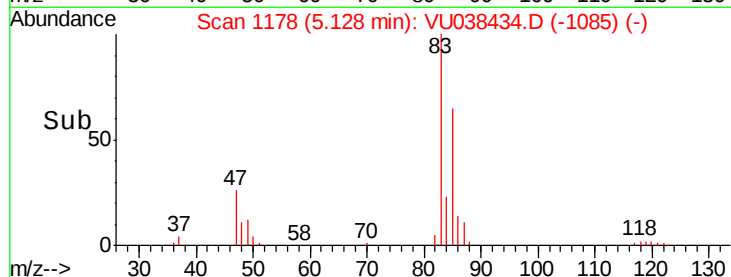
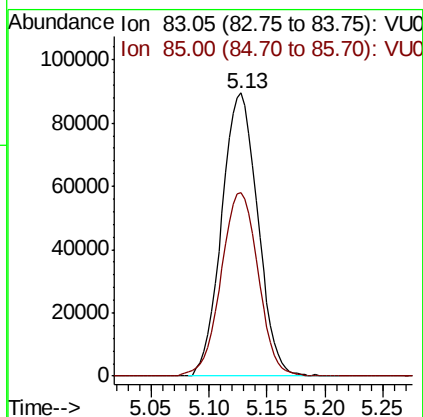
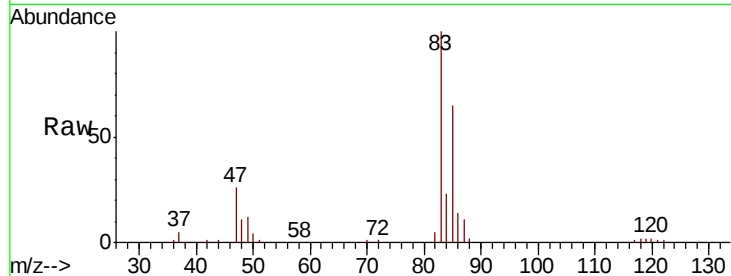




#25
Chloroform
Concen: 5.237 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU038434.D
Acq: 30 May 2020 23:20

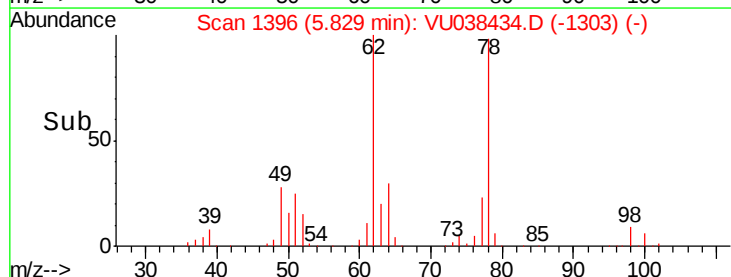
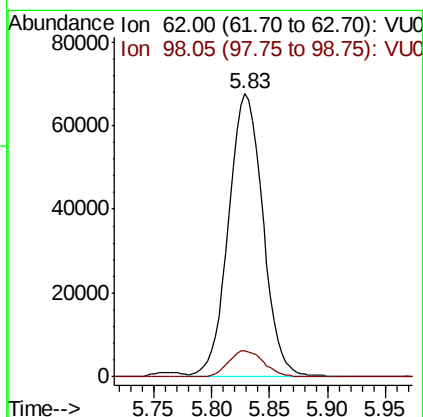
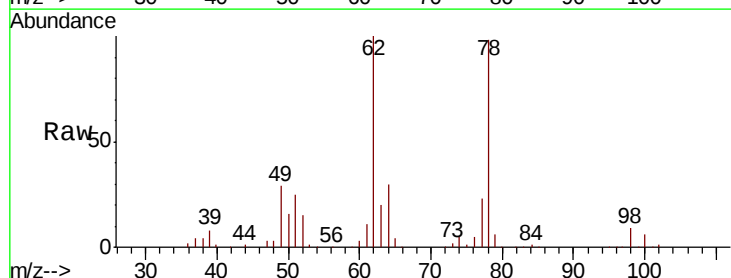
Instrument :
MSVOA_U
ClientSampleId :

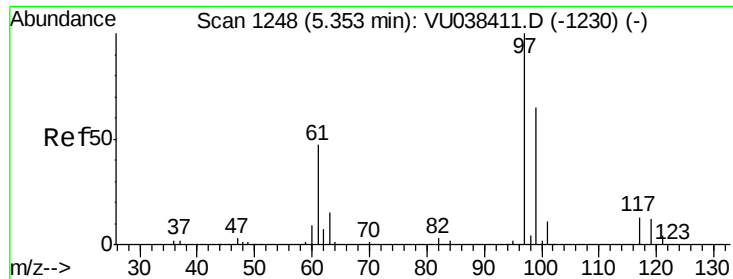
Tot Ion: 83 Resp: 192998
Ion Ratio Lower Upper
83 100
85 64.9 44.9 83.5



#27
1,2-Dichloroethane
Concen: 5.336 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU038434.D
Acq: 30 May 2020 23:20

Tgt Ion: 62 Resp: 138436
Ion Ratio Lower Upper
62 100
98 9.3 7.4 11.2

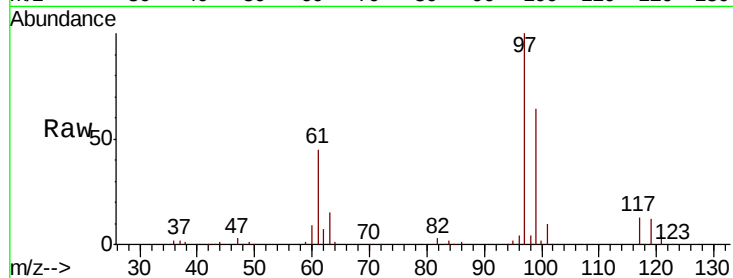




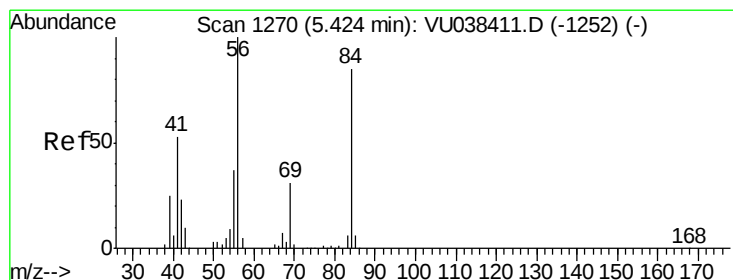
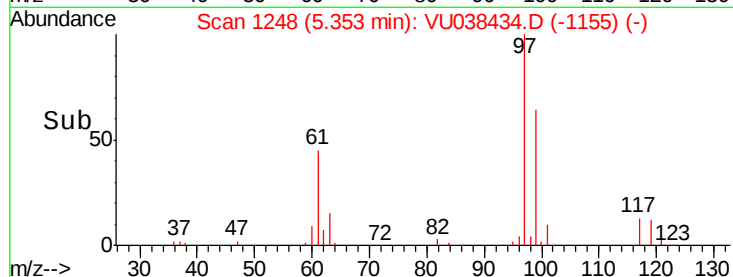
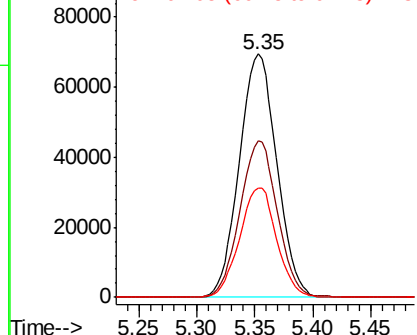
#29
 1,1,1-Trichloroethane
 Concen: 5.073 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VU038434.D
 Acq: 30 May 2020 23:20

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 97 Resp: 156755
 Ion Ratio Lower Upper
 97 100
 99 64.1 52.2 78.2
 61 44.4 35.4 53.2

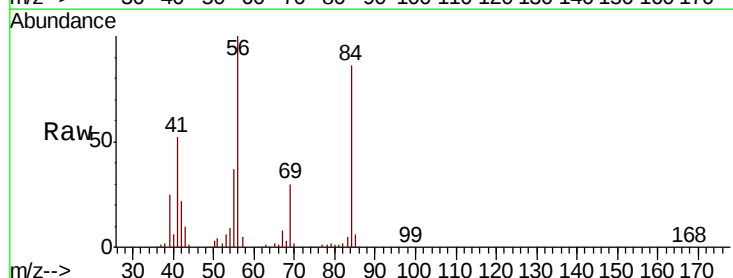


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

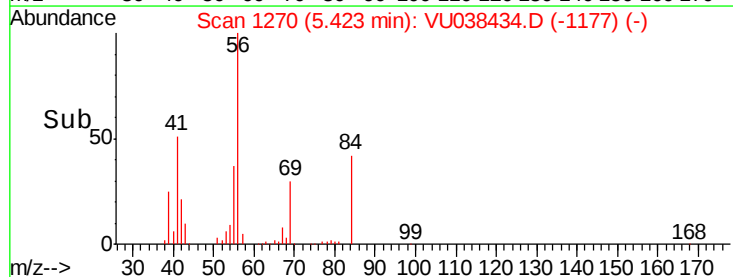
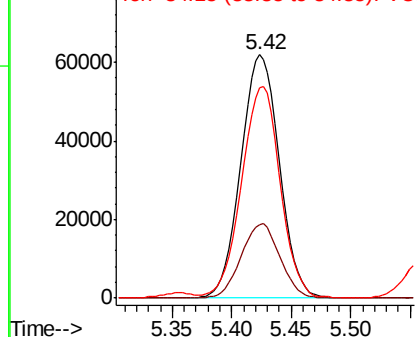


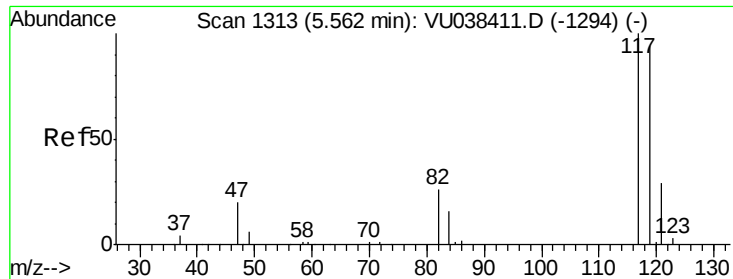
#30
 Cyclohexane
 Concen: 4.283 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VU038434.D
 Acq: 30 May 2020 23:20

Tgt Ion: 56 Resp: 138778
 Ion Ratio Lower Upper
 56 100
 69 30.7 24.2 36.4
 84 87.6 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: 4.749 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU038434.D

Acq: 30 May 2020 23:20

Instrument :

MSVOA_U

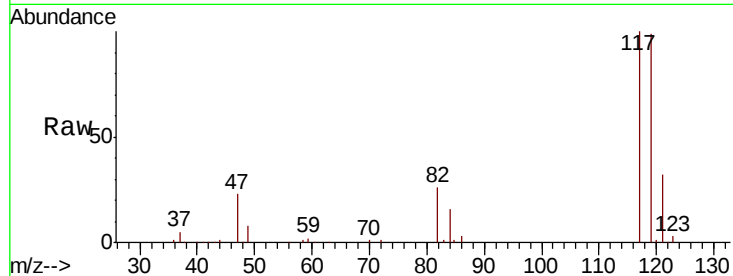
ClientSampleId :

Tot Ion:117 Resp: 122173

Ion Ratio Lower Upper

117 100

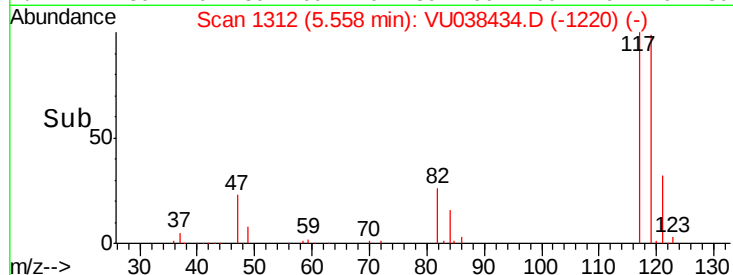
119 97.7 76.6 115.0



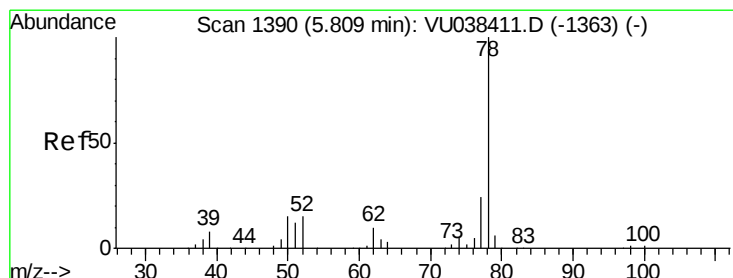
Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.56



Time--> 5.45 5.50 5.55 5.60 5.65



#33

Benzene

Concen: 5.205 ug/L

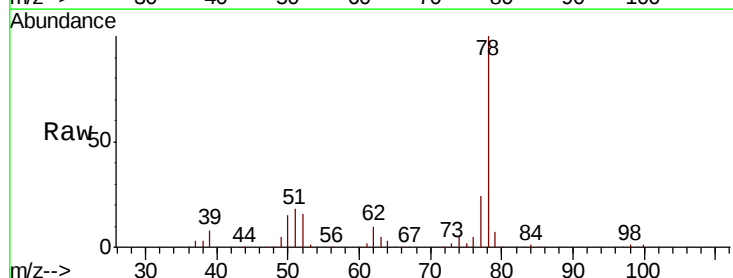
RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VU038434.D

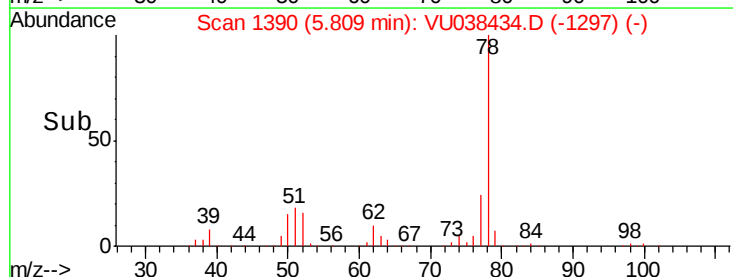
Acq: 30 May 2020 23:20

Tgt Ion: 78 Resp: 423836

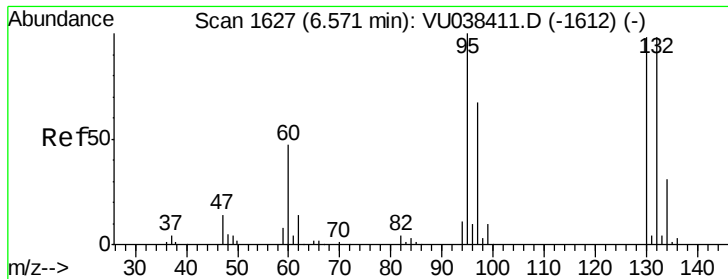


Abundance Ion 78.10 (77.80 to 78.80): VU0

5.81



Time--> 5.70 5.80 5.90



#34

Trichloroethene

Concen: 4.930 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU038434.D

Acq: 30 May 2020 23:20

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 104188

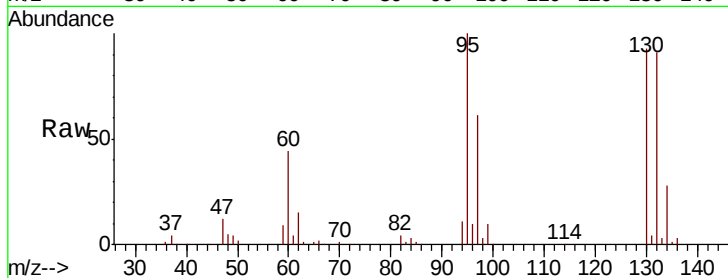
Ion Ratio Lower Upper

95 100

97 61.1 46.8 87.0

132 91.3 66.1 122.7

130 92.8 70.0 130.0

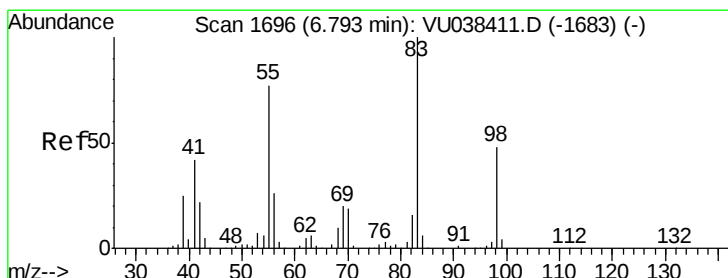
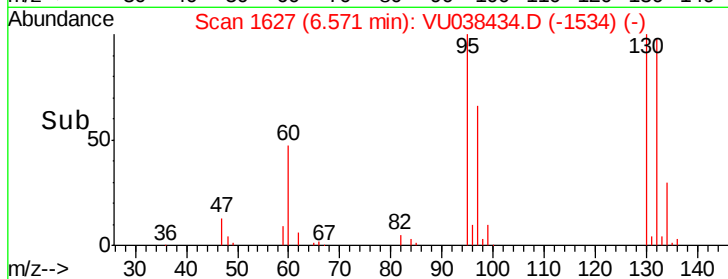
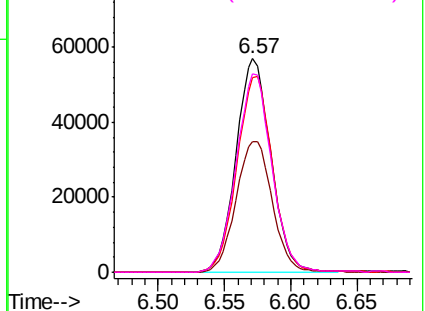


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.140 ug/L

RT: 6.79 min Scan# 1696

Delta R.T. -0.00 min

Lab File: VU038434.D

Acq: 30 May 2020 23:20

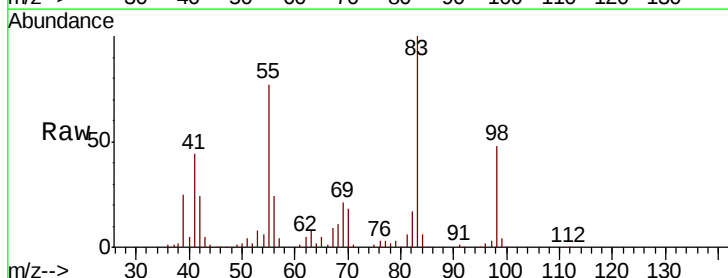
Tgt Ion: 83 Resp: 135483

Ion Ratio Lower Upper

83 100

55 76.0 63.4 95.2

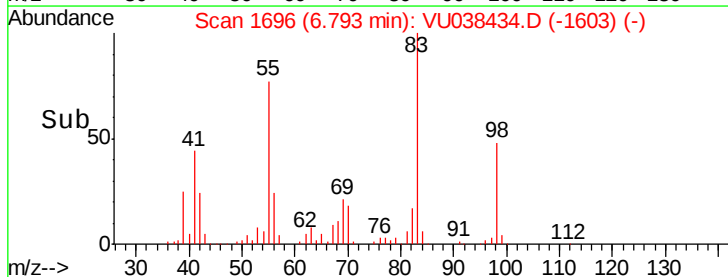
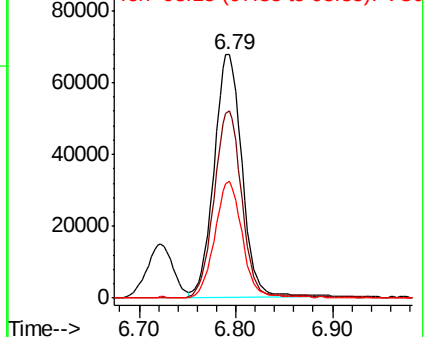
98 46.6 39.0 58.4

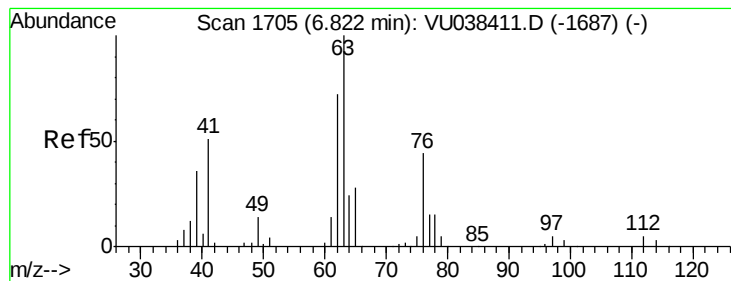


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 5.305 ug/L

RT: 6.82 min Scan# 1704

Delta R.T. -0.00 min

Lab File: VU038434.D

Acq: 30 May 2020 23:20

Instrument :

MSVOA_U

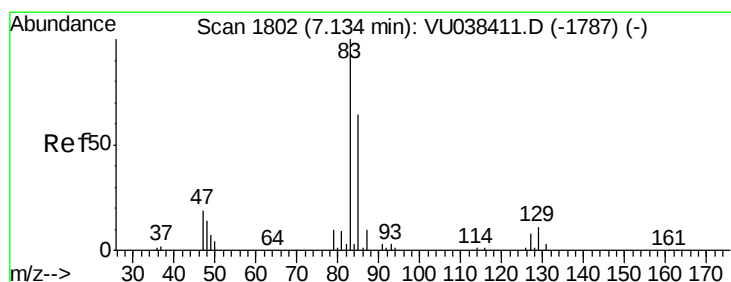
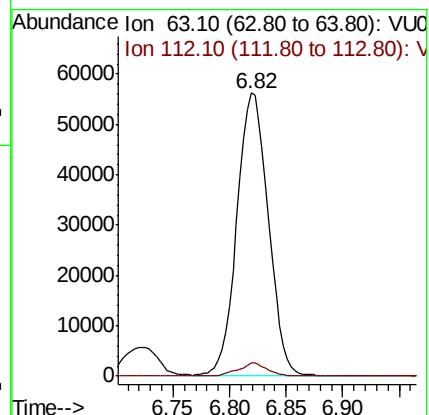
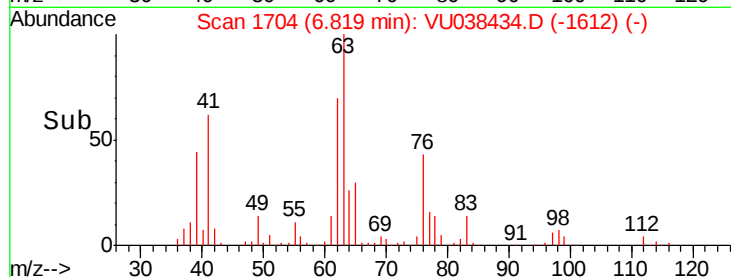
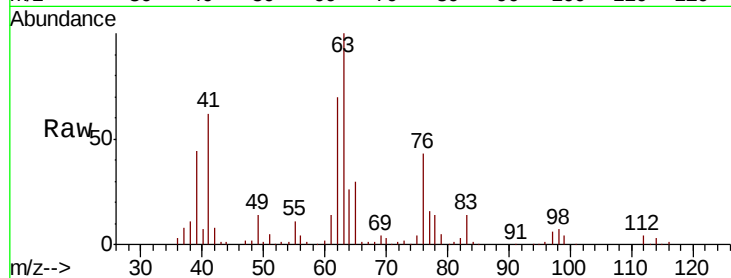
ClientSampleId :

Tot Ion: 63 Resp: 108706

Ion Ratio Lower Upper

63 100

112 4.2 3.7 5.5



#38

Bromodichloromethane

Concen: 5.387 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VU038434.D

Acq: 30 May 2020 23:20

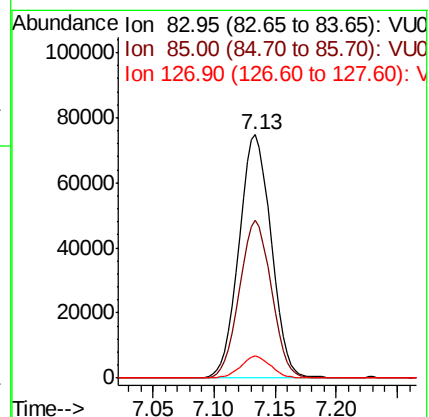
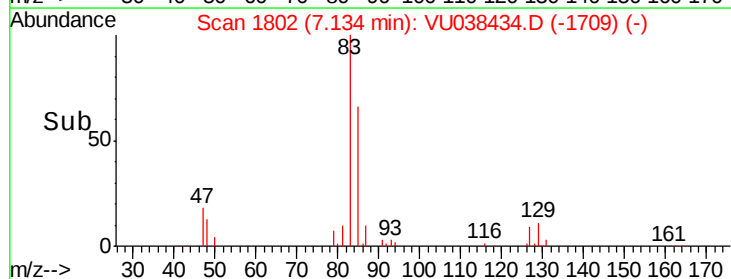
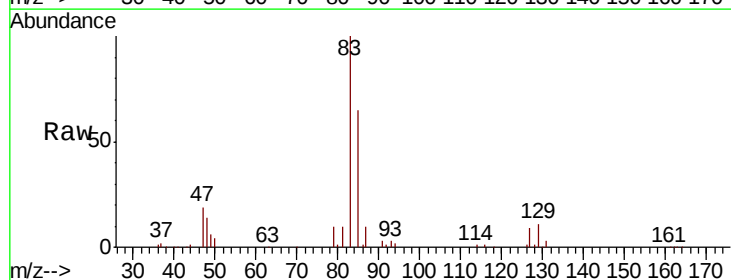
Tgt Ion: 83 Resp: 137094

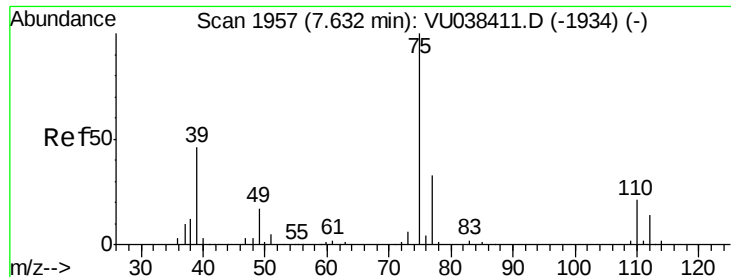
Ion Ratio Lower Upper

83 100

85 64.7 44.7 83.1

127 9.0 6.8 10.2

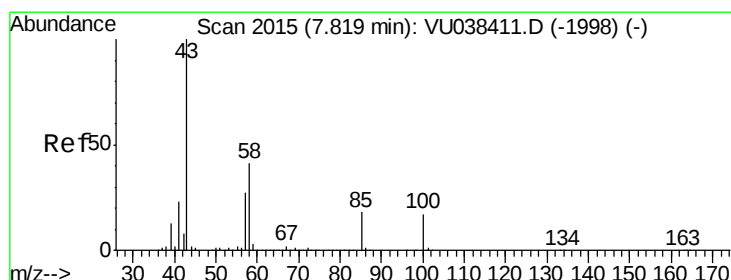
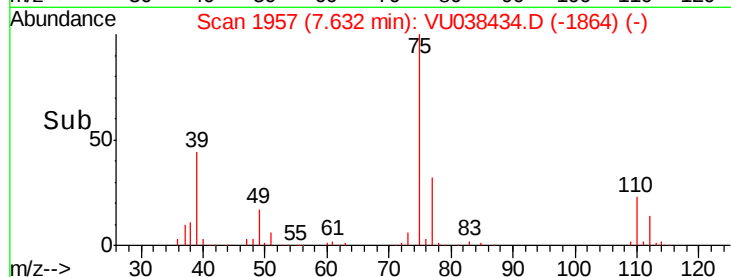
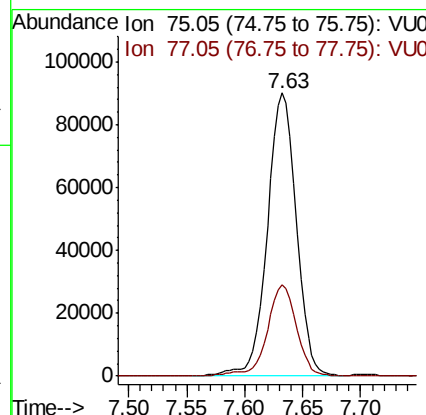
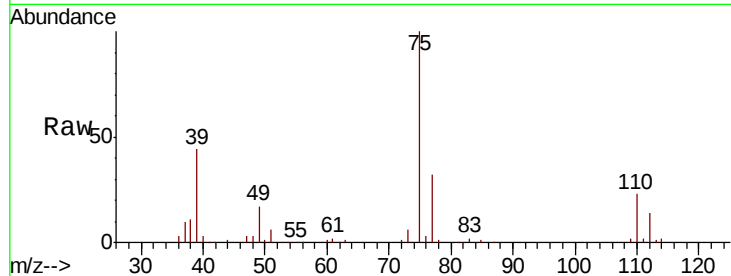




#39
 cis-1,3-Dichloropropene
 Concen: 5.176 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. -0.00 min
 Lab File: VU038434.D
 Acq: 30 May 2020 23:20

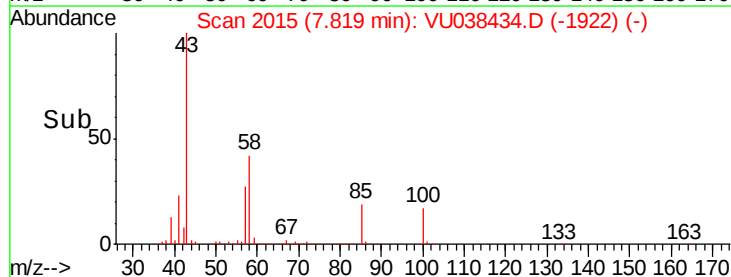
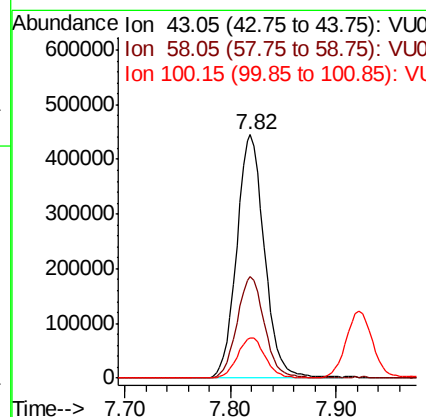
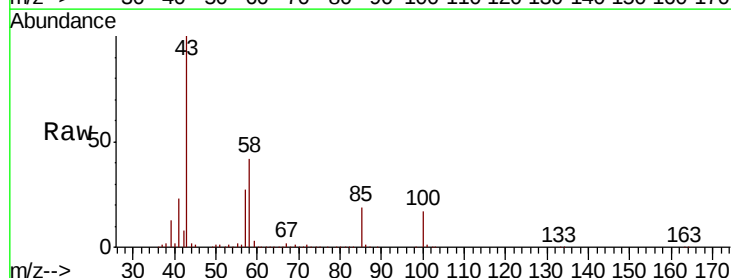
Instrument :
 MSVOA_U
 ClientSampled :

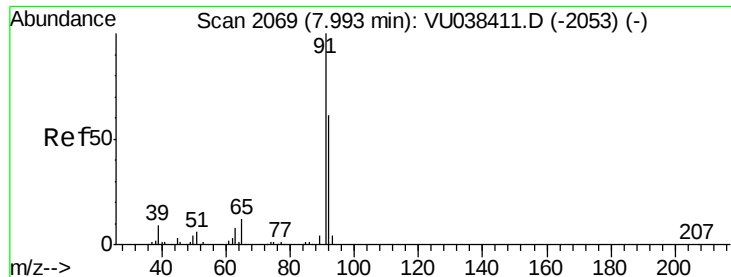
Tot Ion: 75 Resp: 156755
 Ion Ratio Lower Upper
 75 100
 77 32.2 21.9 40.7



#40
 4-Methyl-2-pentanone
 Concen: 55.118 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. -0.00 min
 Lab File: VU038434.D
 Acq: 30 May 2020 23:20

Tgt Ion: 43 Resp: 807718
 Ion Ratio Lower Upper
 43 100
 58 41.6 32.4 48.6
 100 16.7 13.3 19.9





#42

Toluene

Concen: 5.000 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU038434.D

Acq: 30 May 2020 23:20

Instrument :

MSVOA_U

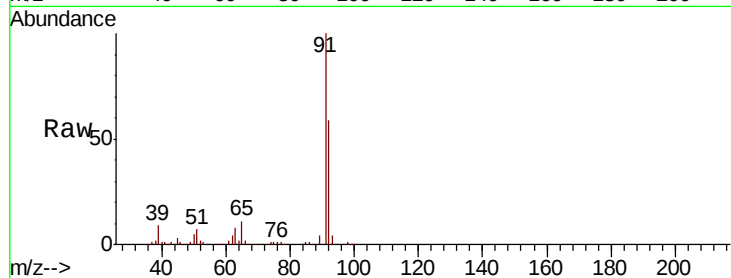
ClientSampled :

Tot Ion: 91 Resp: 427025

Ion Ratio Lower Upper

91 100

92 59.3 43.0 79.8



Abundance Ion 91.15 (90.85 to 91.85): VU038411.D (-2053) (-)

Ion 92.15 (91.85 to 92.85): VU038411.D (-2053) (-)

7.99

250000

200000

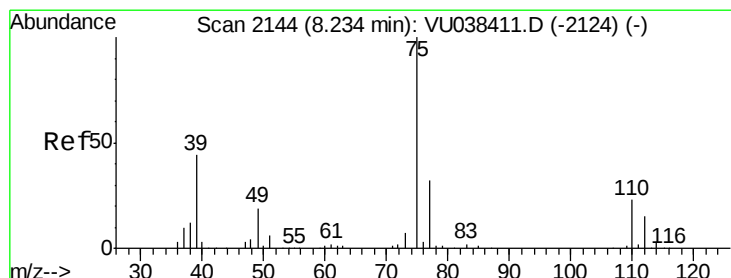
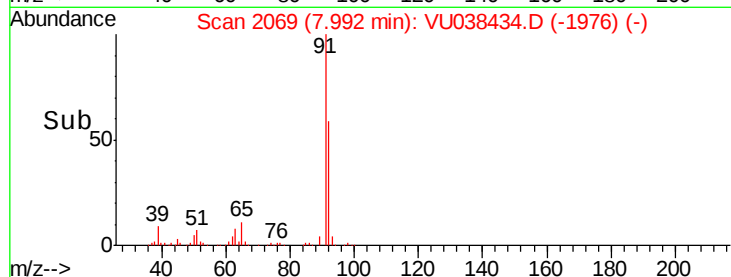
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.142 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. -0.00 min

Lab File: VU038434.D

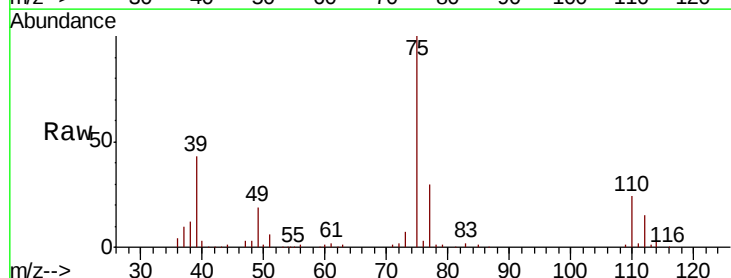
Acq: 30 May 2020 23:20

Tgt Ion: 75 Resp: 137525

Ion Ratio Lower Upper

75 100

77 30.4 22.1 41.1



Abundance Ion 75.05 (74.75 to 75.75): VU038411.D (-2124) (-)

Ion 77.05 (76.75 to 77.75): VU038411.D (-2124) (-)

8.23

80000

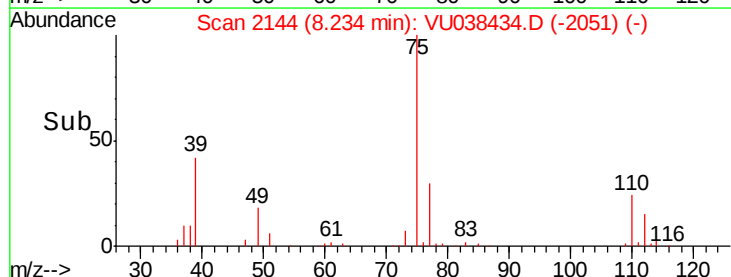
60000

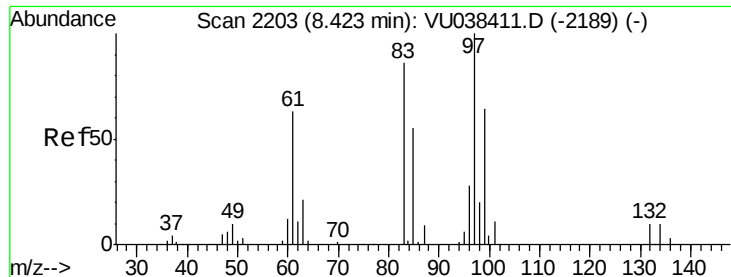
40000

20000

0

Time-->

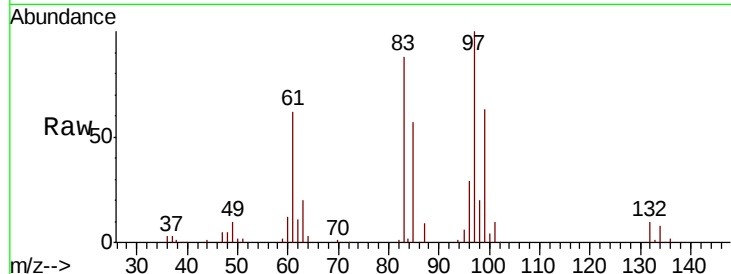




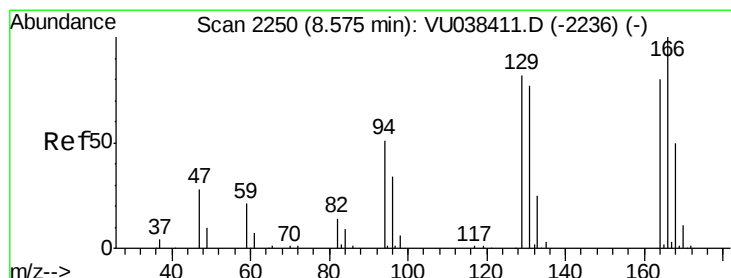
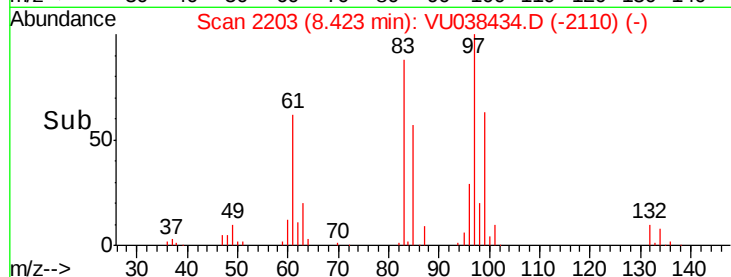
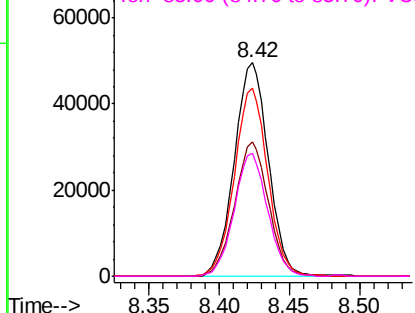
#45
1,1,2-Trichloroethane
Concen: 5.441 ug/L
RT: 8.42 min Scan# 2203
Delta R.T. -0.00 min
Lab File: VU038434.D
Acq: 30 May 2020 23:20

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	97	Resp:	84114
Ion	Ratio	Lower	Upper
97	100		
99	62.9	42.1	78.1
83	87.8	58.8	109.2
85	57.3	37.4	69.4

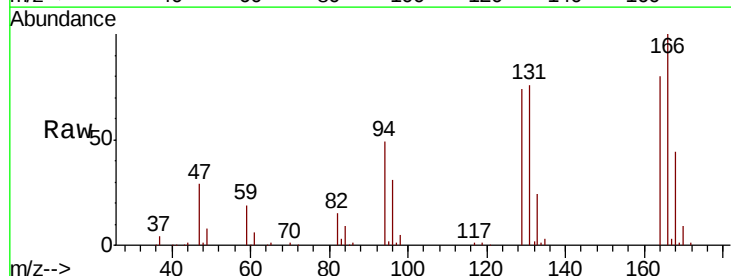


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 82.95 (82.65 to 83.65): VU0
Ion 85.00 (84.70 to 85.70): VU0

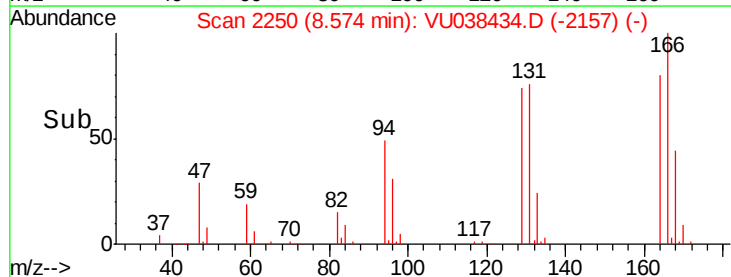
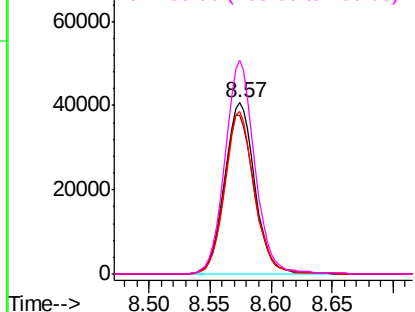


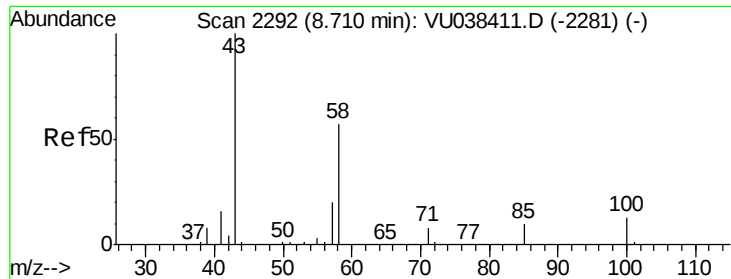
#47
Tetrachloroethene
Concen: 4.608 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. -0.00 min
Lab File: VU038434.D
Acq: 30 May 2020 23:20

Tgt Ion:	164	Resp:	70757
Ion	Ratio	Lower	Upper
164	100		
129	92.8	67.4	125.2
131	95.2	64.1	119.1
166	124.8	85.7	159.1



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

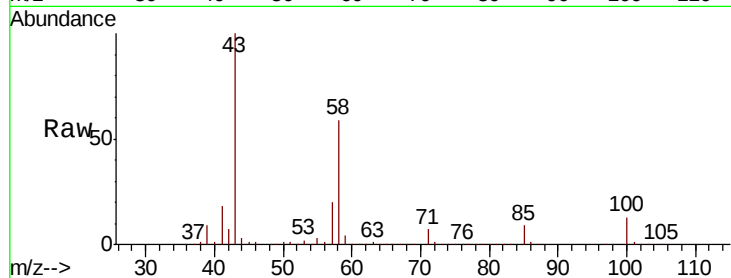




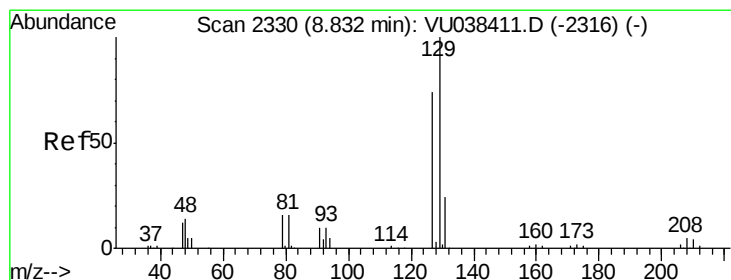
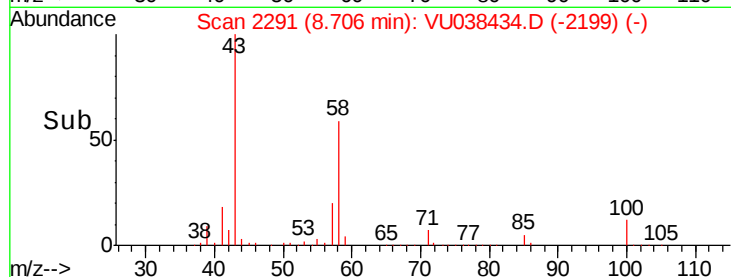
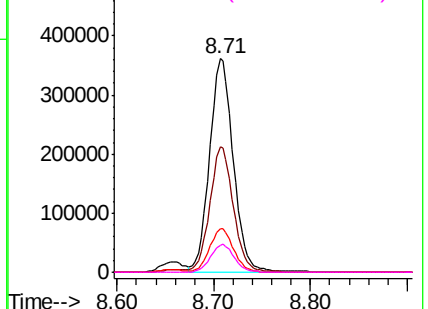
#48
2-Hexanone
Concen: 55.564 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU038434.D
Acq: 30 May 2020 23:20

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 616648
Ion Ratio Lower Upper
43 100
58 57.9 45.4 68.0
57 20.4 15.9 23.9
100 13.0 10.5 15.7

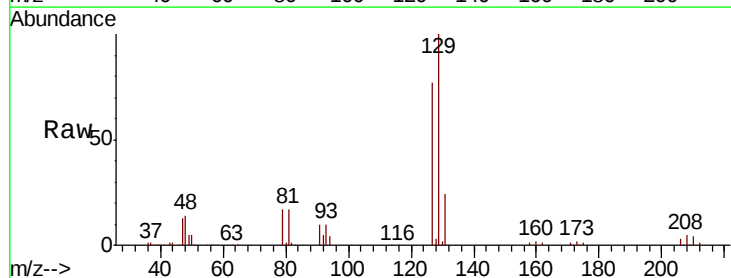


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

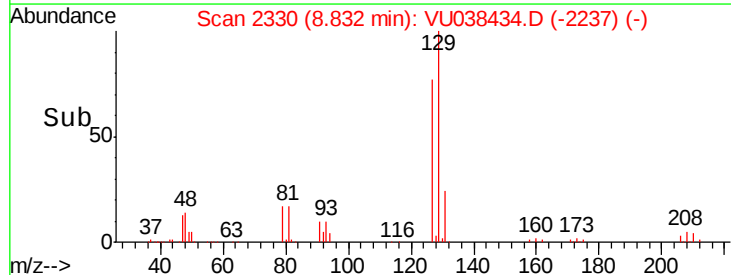
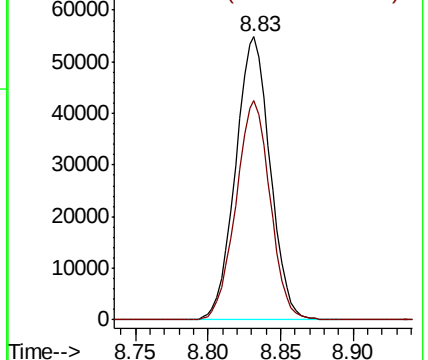


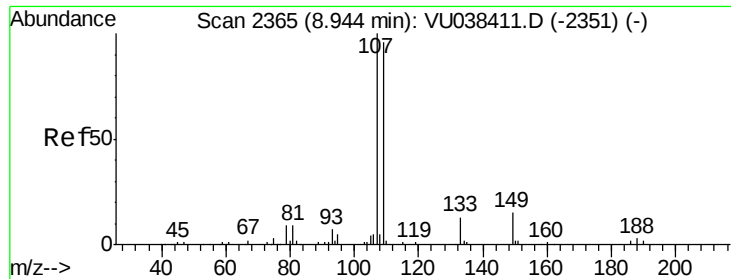
#49
Dibromochloromethane
Concen: 5.448 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU038434.D
Acq: 30 May 2020 23:20

Tgt Ion: 129 Resp: 90914
Ion Ratio Lower Upper
129 100
127 77.4 53.3 99.1



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

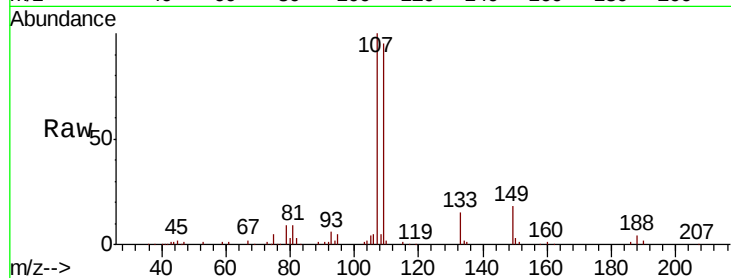




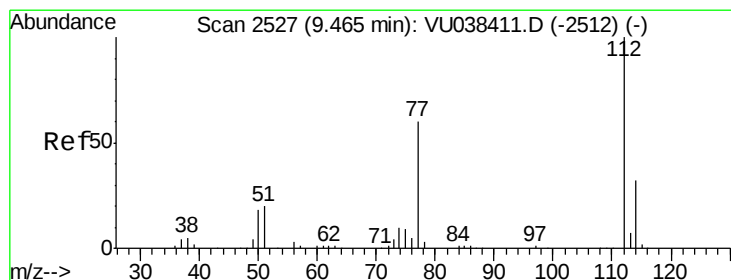
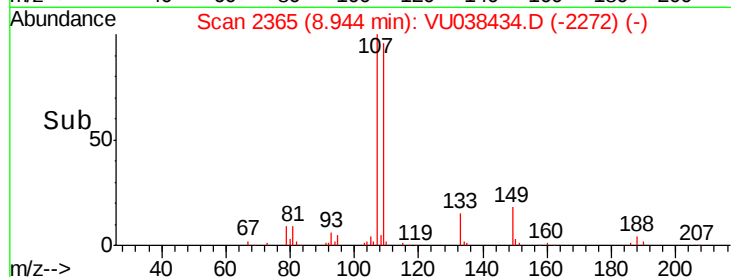
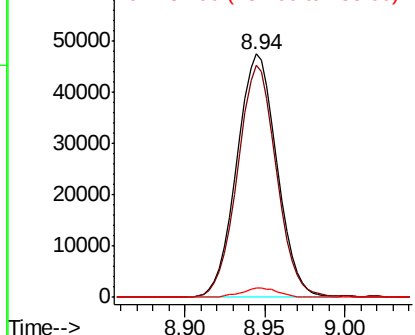
#50
1,2-Dibromoethane
Concen: 5.475 ug/L
RT: 8.94 min Scan# 2365
Delta R.T. -0.00 min
Lab File: VU038434.D
Acq: 30 May 2020 23:20

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:107 Resp: 81043
Ion Ratio Lower Upper
107 100
109 95.5 67.0 124.4
188 3.8 3.0 4.4

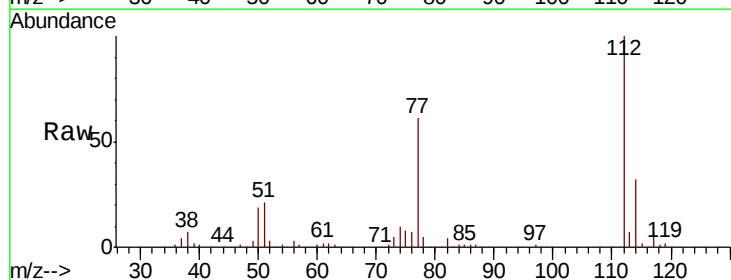


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

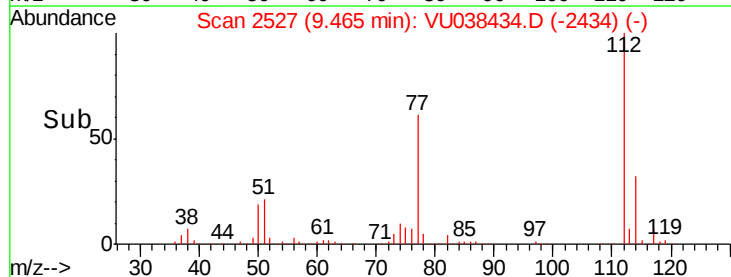
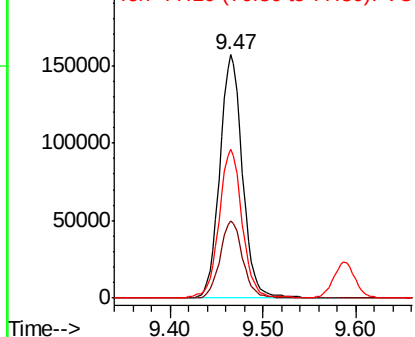


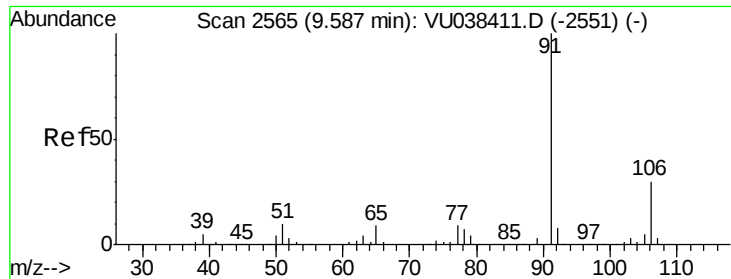
#51
Chlorobenzene
Concen: 4.820 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. -0.00 min
Lab File: VU038434.D
Acq: 30 May 2020 23:20

Tgt Ion:112 Resp: 265511
Ion Ratio Lower Upper
112 100
114 31.7 22.4 41.6
77 61.2 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: 4.630 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU038434.D

Acq: 30 May 2020 23:20

Instrument :

MSVOA_U

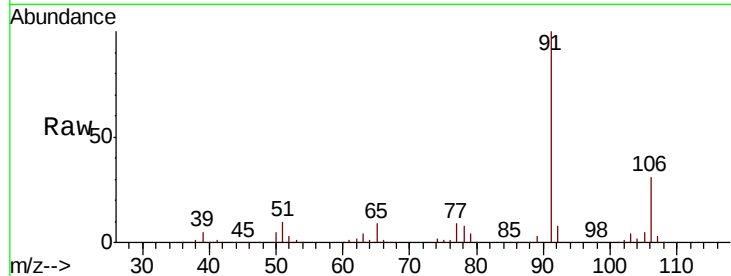
ClientSampled :

Tot Ion: 91 Resp: 440017

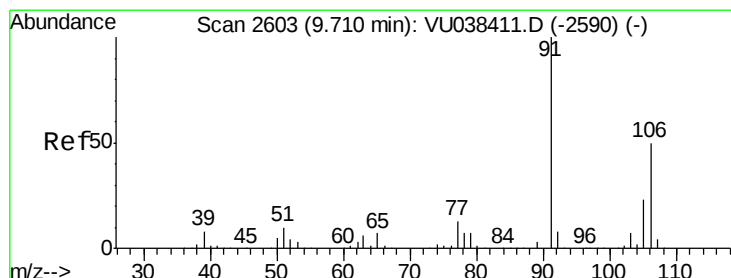
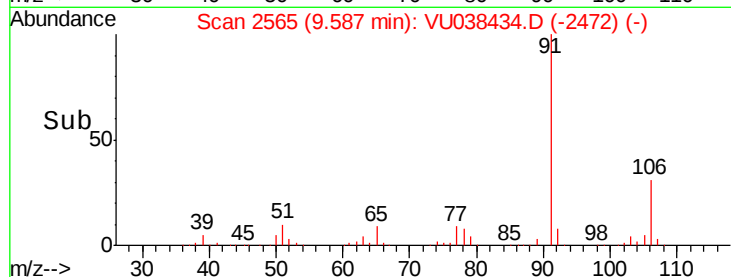
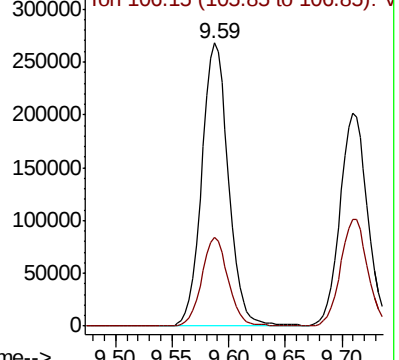
Ion Ratio Lower Upper

91 100

106 31.2 21.7 40.3



Abundance Ion 91.15 (90.85 to 91.85): VU038411.D (-2551) (-)



#53

m,p-Xylene

Concen: 4.652 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VU038434.D

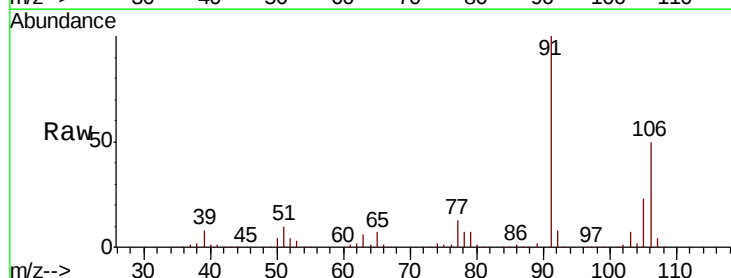
Acq: 30 May 2020 23:20

Tgt Ion: 106 Resp: 169992

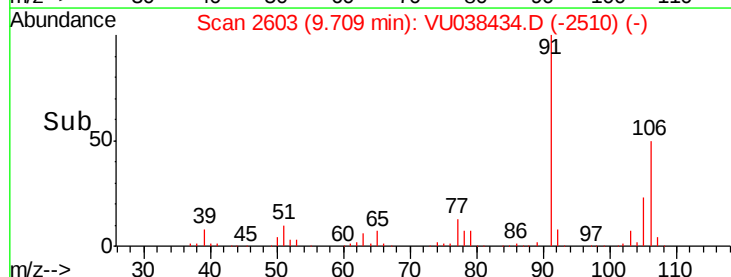
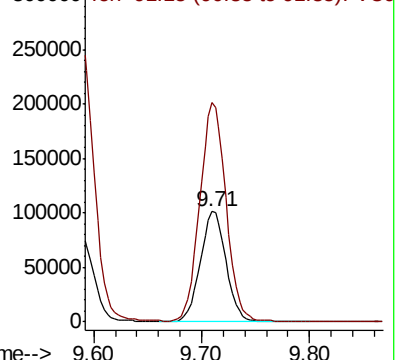
Ion Ratio Lower Upper

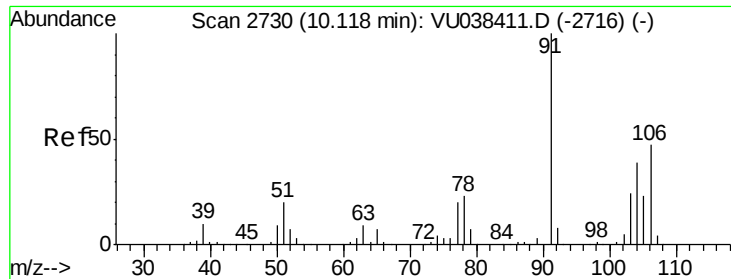
106 100

91 198.9 138.1 256.5



Abundance Ion 106.15 (105.85 to 106.85): VU038411.D (-2590) (-)

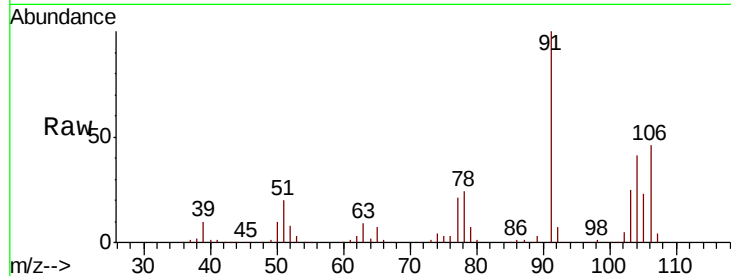




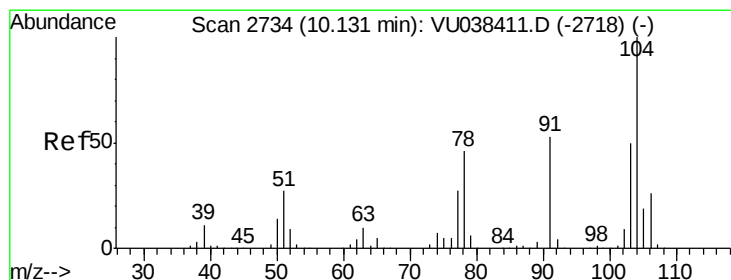
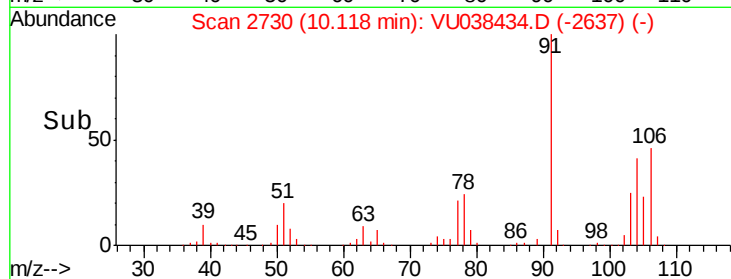
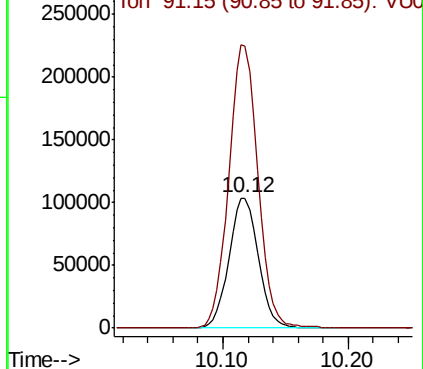
#54
o-Xylene
Concen: 4.804 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. -0.00 min
Lab File: VU038434.D
Acq: 30 May 2020 23:20

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 168520
Ion Ratio Lower Upper
106 100
91 217.2 150.6 279.8

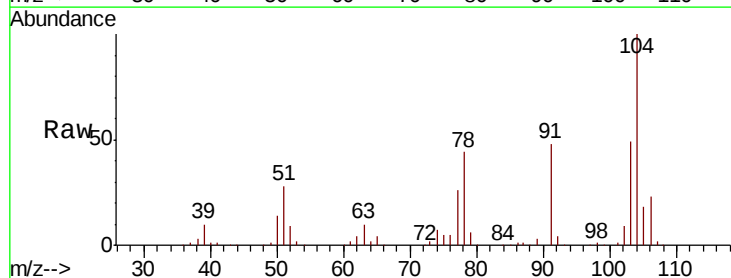


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

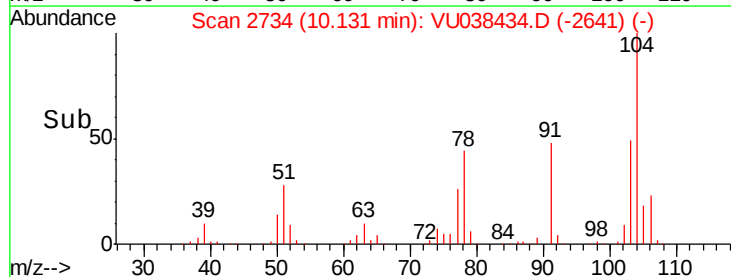
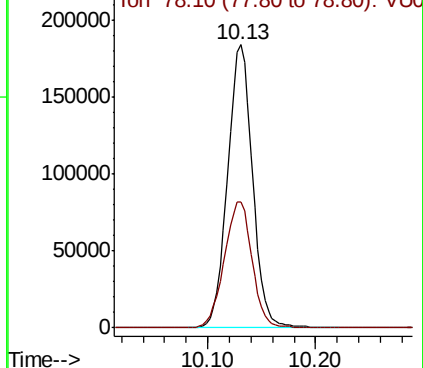


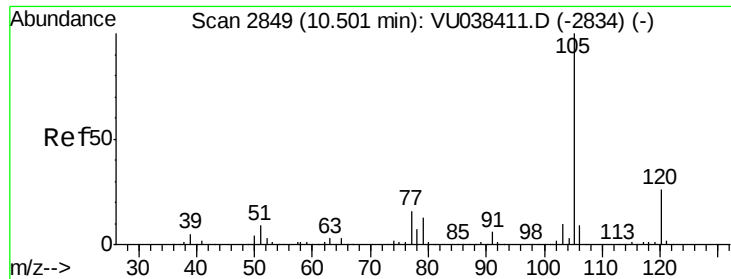
#55
Styrene
Concen: 4.994 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VU038434.D
Acq: 30 May 2020 23:20

Tgt Ion:104 Resp: 297391
Ion Ratio Lower Upper
104 100
78 44.5 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: 4.488 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. -0.00 min

Lab File: VU038434.D

Acq: 30 May 2020 23:20

Instrument :

MSVOA_U

ClientSampleId :

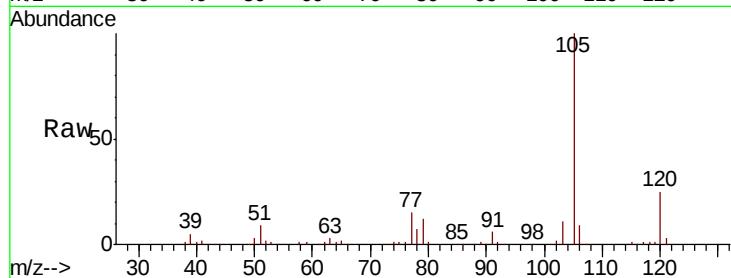
Tot Ion:105 Resp: 414400

Ion Ratio Lower Upper

105 100

120 25.7 20.7 31.1

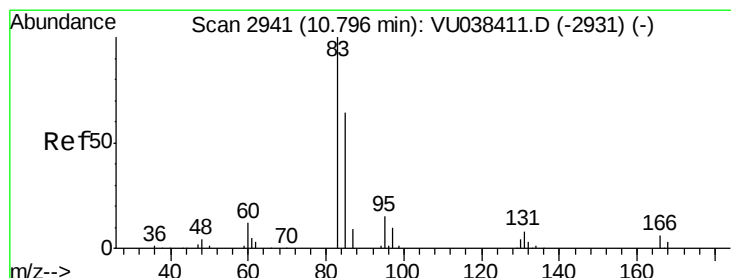
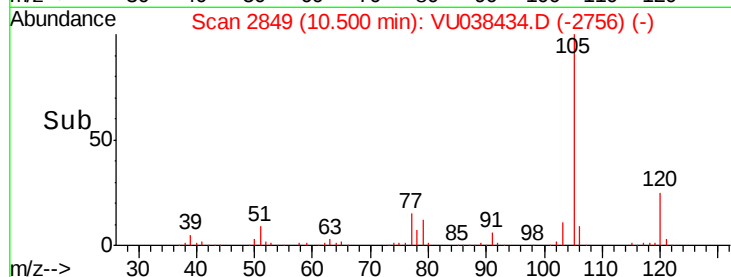
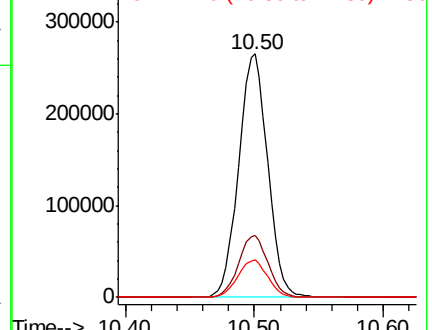
77 15.9 12.5 18.7



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: 5.331 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. -0.00 min

Lab File: VU038434.D

Acq: 30 May 2020 23:20

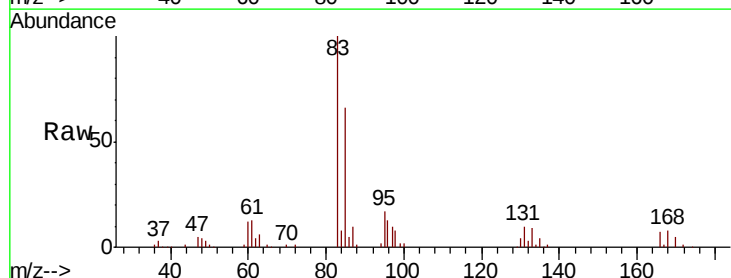
Tgt Ion: 83 Resp: 104741

Ion Ratio Lower Upper

83 100

85 65.9 44.2 82.0

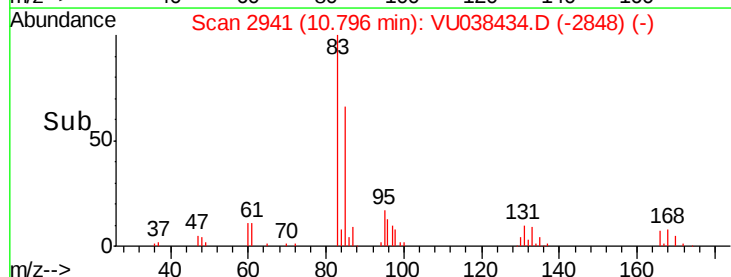
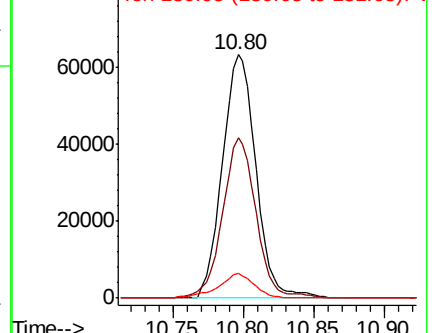
131 10.0 8.1 12.1

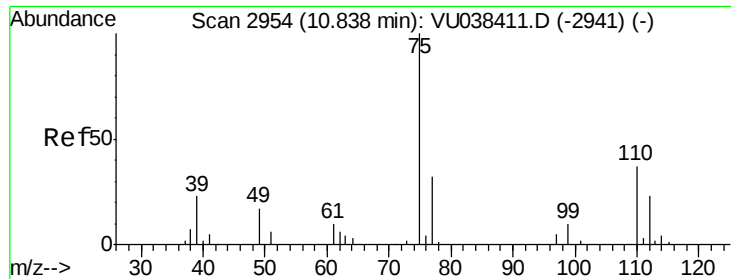


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

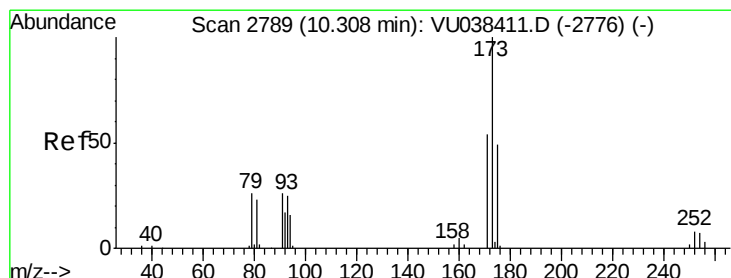
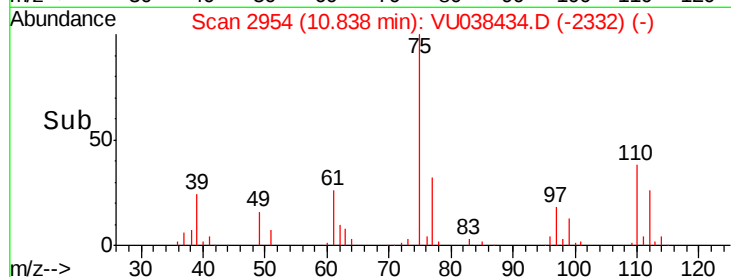
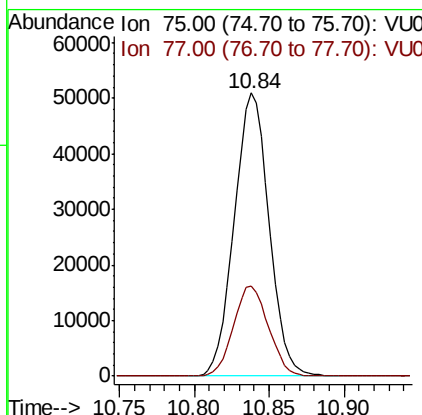
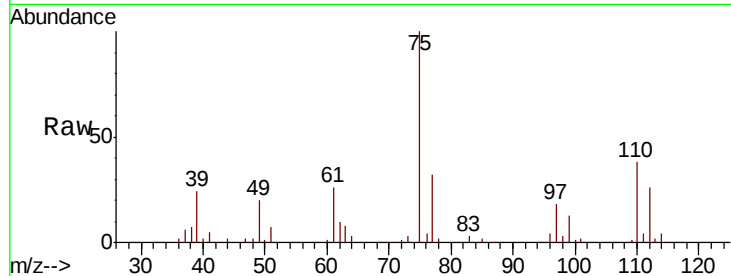




#59
 1,2,3-Trichloropropane
 Concen: 5.400 ug/L
 RT: 10.84 min Scan# 2954
 Delta R.T. -0.00 min
 Lab File: VU038434.D
 Acq: 30 May 2020 23:20

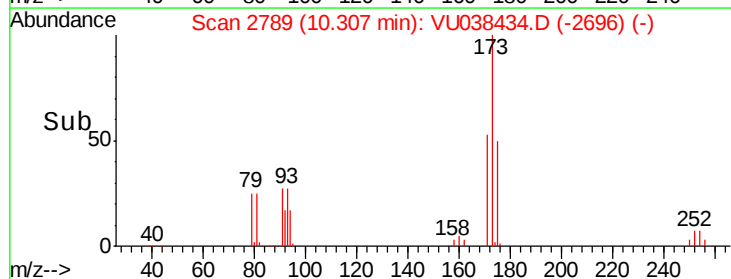
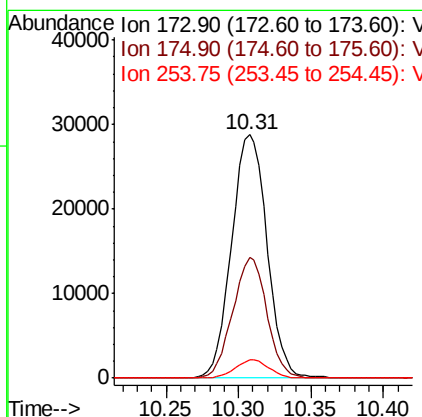
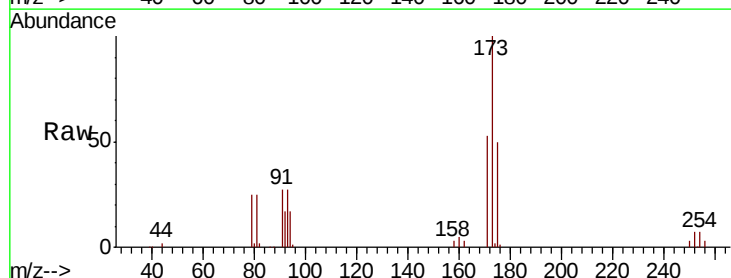
Instrument :
 MSVOA_U
 ClientSampled :

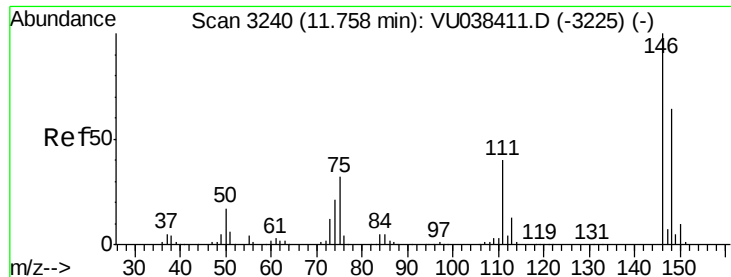
Tot Ion: 75 Resp: 82581
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.4 38.2



#61
 Bromoform
 Concen: 5.434 ug/L
 RT: 10.31 min Scan# 2789
 Delta R.T. -0.00 min
 Lab File: VU038434.D
 Acq: 30 May 2020 23:20

Tgt Ion: 173 Resp: 48868
 Ion Ratio Lower Upper
 173 100
 175 47.5 38.7 58.1
 254 7.0 5.4 8.2

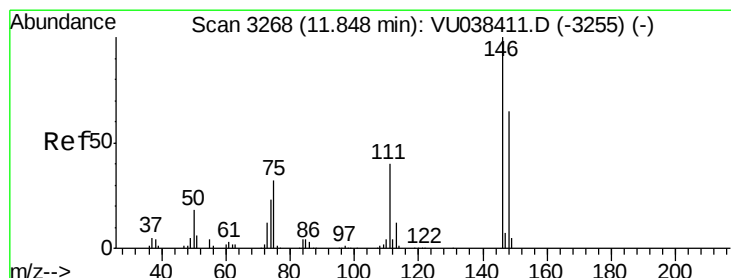
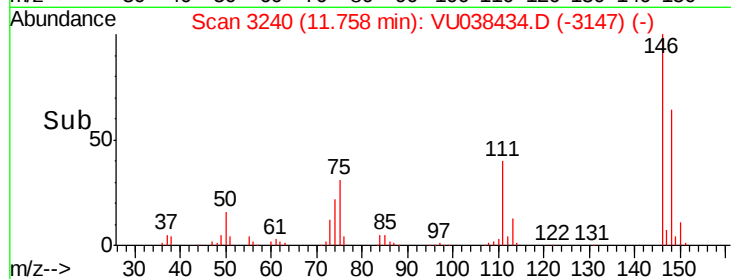
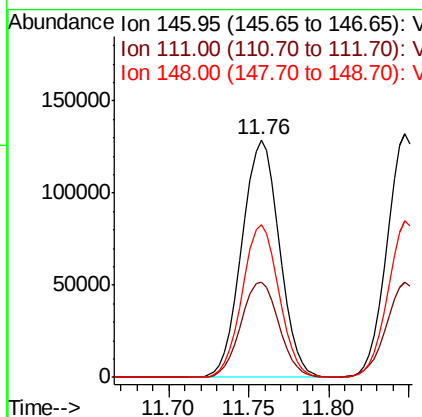
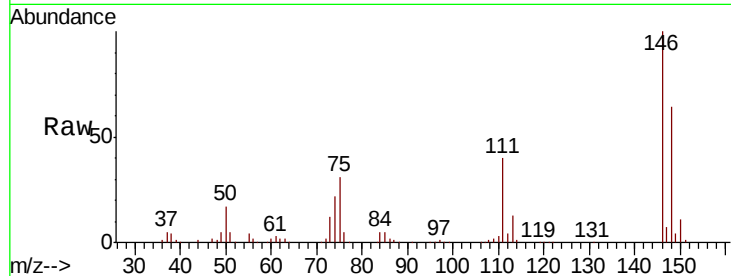




#62
 1,3-Dichlorobenzene
 Concen: 4.854 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. -0.00 min
 Lab File: VU038434.D
 Acq: 30 May 2020 23:20

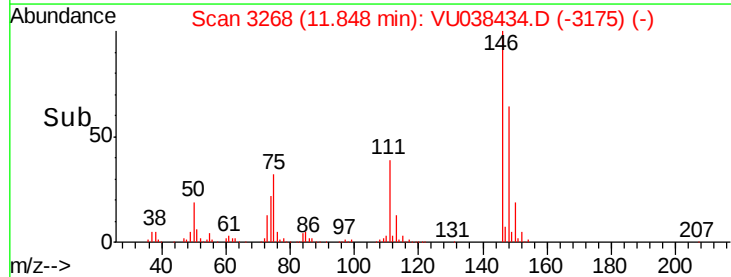
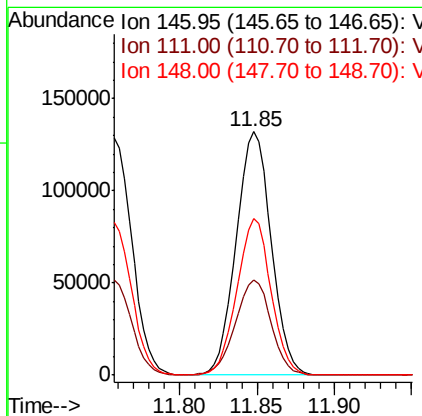
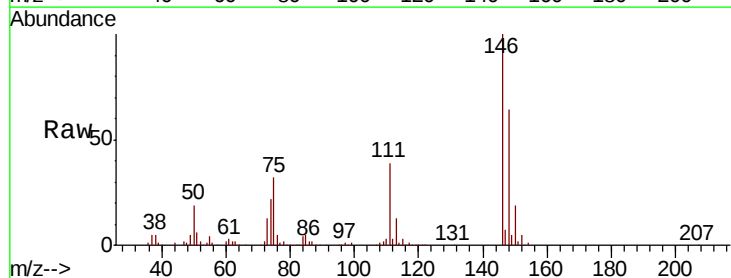
Instrument :
 MSVOA_U
 ClientSampleId :

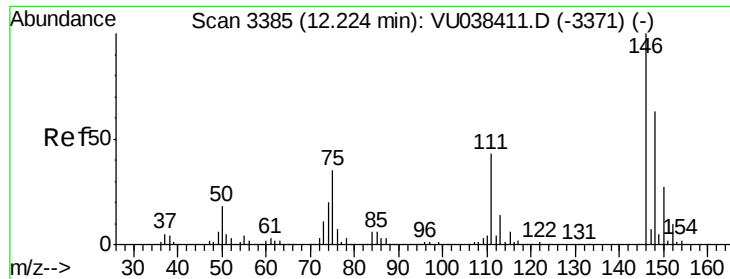
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	29.5	54.9
148	64.3	45.6	84.6



#63
 1,4-Dichlorobenzene
 Concen: 4.842 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. -0.00 min
 Lab File: VU038434.D
 Acq: 30 May 2020 23:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	27.6	51.2
148	64.4	44.8	83.2





#65

1,2-Dichlorobenzene

Concen: 4.957 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. -0.00 min

Lab File: VU038434.D

Acq: 30 May 2020 23:20

Instrument :

MSVOA_U

ClientSampleId :

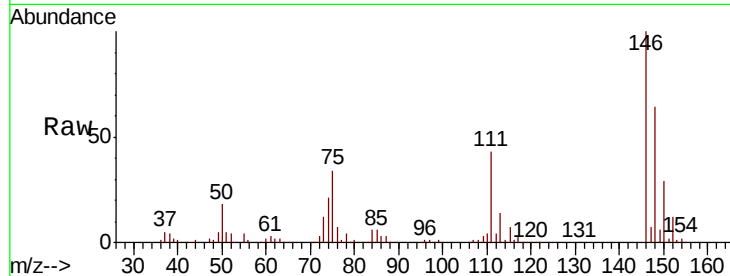
Tot Ion:146 Resp: 199626

Ion Ratio Lower Upper

146 100

111 42.8 35.1 52.7

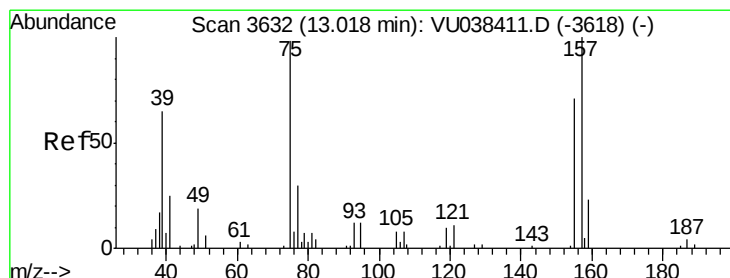
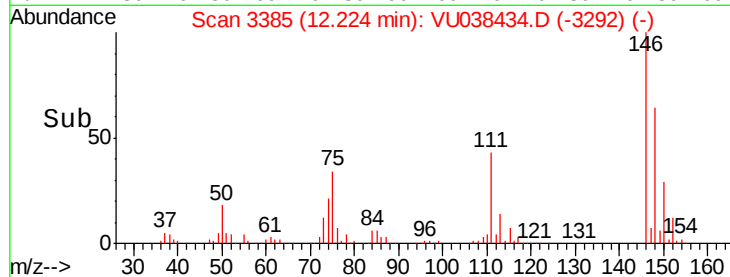
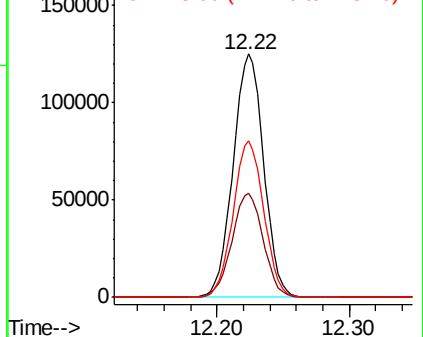
148 64.3 50.9 76.3



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: 5.592 ug/L

RT: 13.01 min Scan# 3631

Delta R.T. -0.00 min

Lab File: VU038434.D

Acq: 30 May 2020 23:20

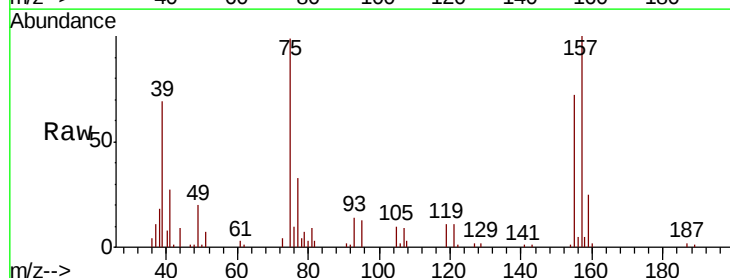
Tgt Ion: 75 Resp: 18234

Ion Ratio Lower Upper

75 100

155 72.1 59.6 89.4

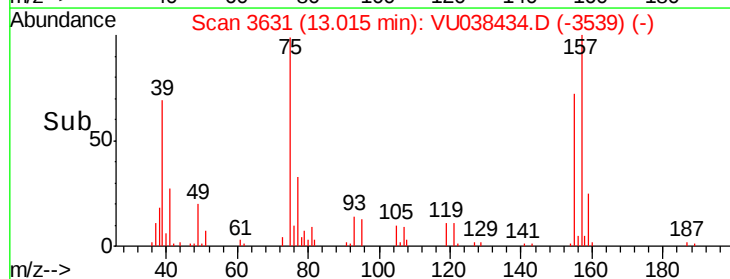
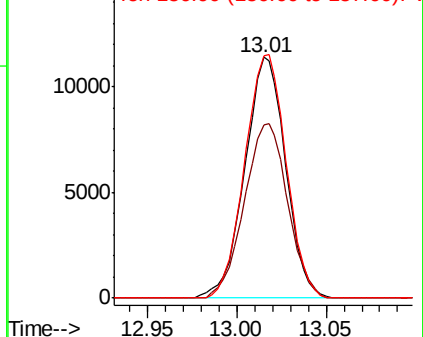
157 100.5 79.8 119.6

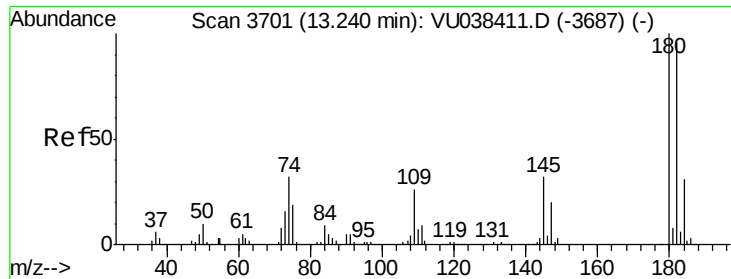


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

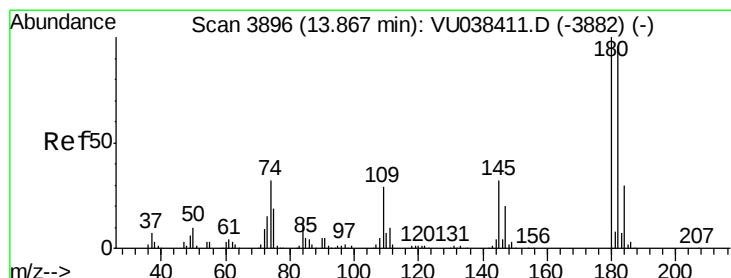
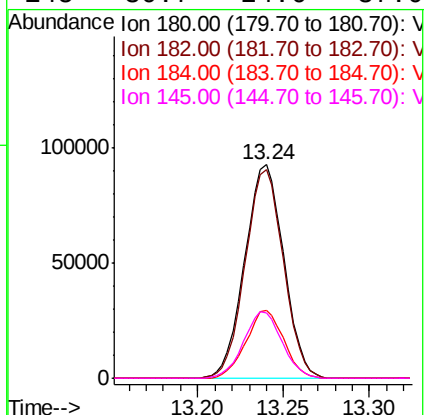
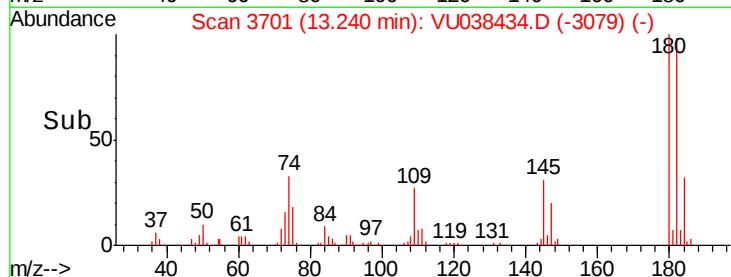
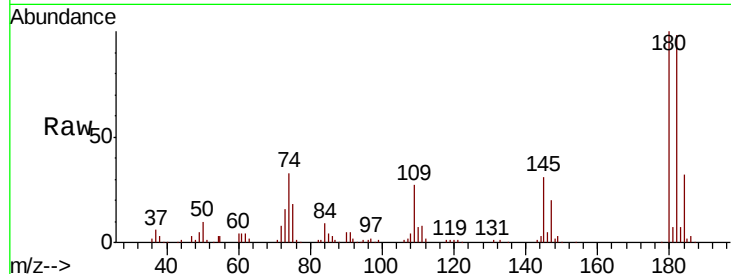




#67
 1,3,5-Trichlorobenzene
 Concen: 4.591 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.00 min
 Lab File: VU038434.D
 Acq: 30 May 2020 23:20

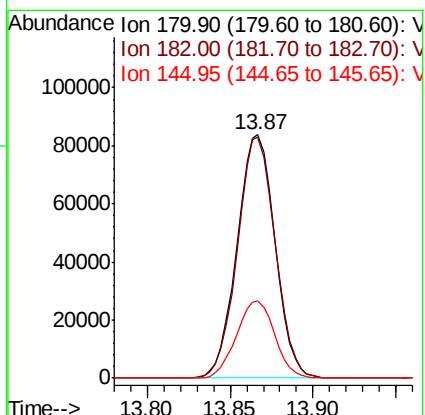
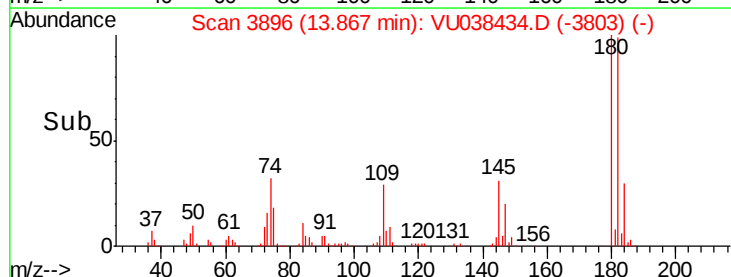
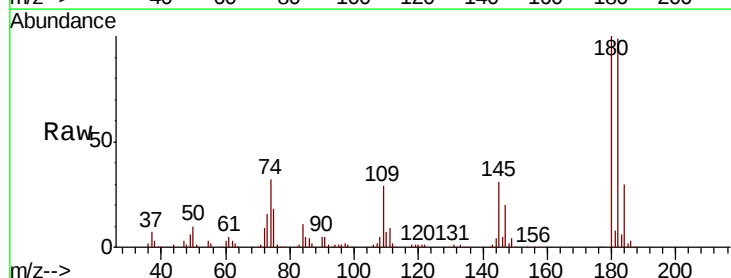
Instrument :
 MSVOA_U
 ClientSampleId :

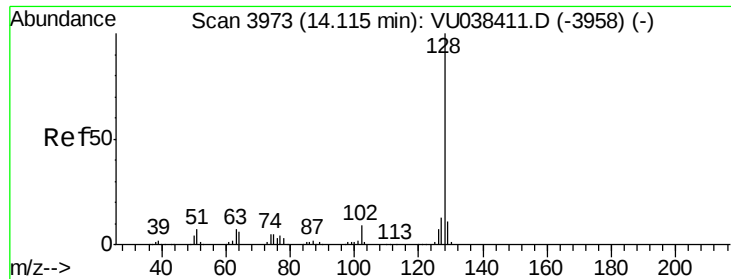
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.8	115.2
184	30.9	25.1	37.7
145	30.7	24.6	37.0



#68
 1,2,4-trichlorobenzene
 Concen: 4.553 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. -0.00 min
 Lab File: VU038434.D
 Acq: 30 May 2020 23:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.3	75.8	113.8
145	31.9	25.3	37.9





#69

Naphthalene

Concen: 5.149 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.00 min

Lab File: VU038434.D

Acq: 30 May 2020 23:20

Instrument :

MSVOA_U

ClientSampleId :

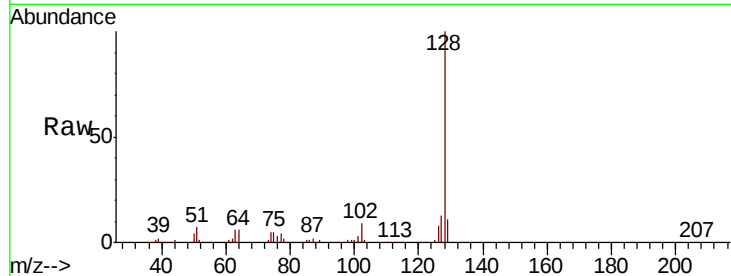
Tot Ion:128 Resp: 300129

Ion Ratio Lower Upper

128 100

129 10.6 8.9 13.3

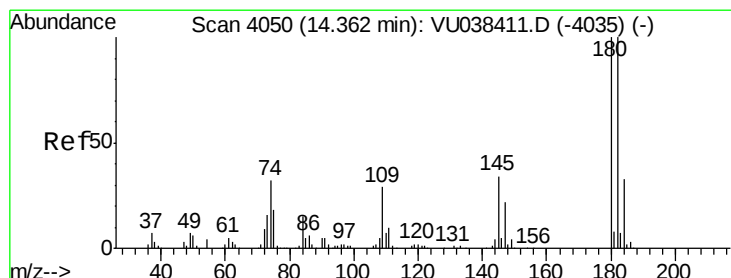
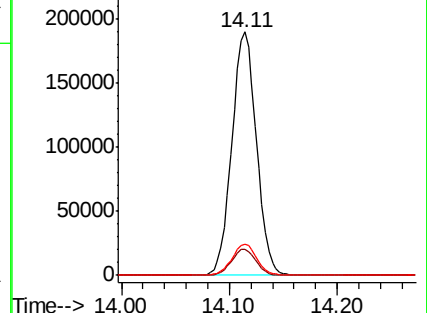
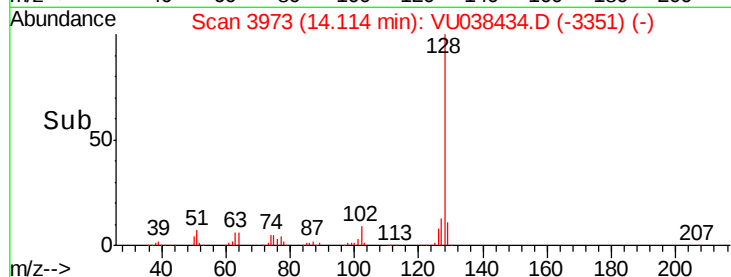
127 13.0 10.2 15.4



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: 4.933 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. -0.00 min

Lab File: VU038434.D

Acq: 30 May 2020 23:20

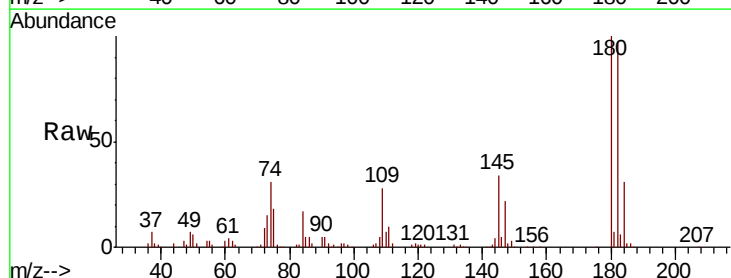
Tgt Ion:180 Resp: 131460

Ion Ratio Lower Upper

180 100

182 94.7 78.7 118.1

145 33.9 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

