

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052020\
 Data File : VU038257.D
 Acq On : 20 May 2020 18:57
 Operator : JC/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 21 01:17:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu May 21 01:14:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	324609	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	308120	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	152003	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	145359	4.90	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.00%
7) Chloroethane-d5	1.93	69	133462	5.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.00%
11) 1,1-Dichloroethene-d2	2.59	63	229391	4.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.40%
20) 2-Butanone-d5	4.67	46	476712	65.07	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	130.14%#
24) Chloroform-d	5.10	84	249413	5.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.80%
26) 1,2-Dichloroethane-d4	5.74	65	148743	5.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	115.20%
32) Benzene-d6	5.76	84	505314	5.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.40%
36) 1,2-Dichloropropane-d6	6.72	67	169511	5.69	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	113.80%
41) Toluene-d8	7.92	98	440733	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.20%
43) trans-1,3-Dichloropropene-	8.20	79	66938	5.61	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	112.20%
46) 2-Hexanone-d5	8.66	63	360577	63.97	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	127.94%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	142706	6.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	121.40%#
64) 1,2-Dichlorobenzene-d4	12.20	152	161198	5.45	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	107907	3.635 ug/L	97
3) Chloromethane	1.53	50	134312	3.754 ug/L	97
5) Vinyl chloride	1.62	62	146621	4.182 ug/L	100
6) Bromomethane	1.87	94	45124	2.261 ug/L	97
8) Chloroethane	1.95	64	97717	4.532 ug/L	99
9) Trichlorofluoromethane	2.16	101	150510	4.199 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	88014	3.961 ug/L	99
12) 1,1-Dichloroethene	2.61	96	94668	4.202 ug/L	93
13) Acetone	2.67	43	244710	53.242 ug/L	98
14) Carbon disulfide	2.82	76	298309	3.712 ug/L	100
15) Methyl Acetate	2.98	43	61674	4.797 ug/L	98
16) Methylene chloride	3.08	84	120119	4.575 ug/L	98
17) Methyl tert-butyl Ether	3.40	73	294116	4.699 ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	105712	4.298 ug/L	95
19) 1,1-Dichloroethane	3.91	63	220759	4.596 ug/L	99
21) 2-Butanone	4.75	43	430237	53.034 ug/L	99
22) cis-1,2-Dichloroethene	4.71	96	120369	4.542 ug/L	100

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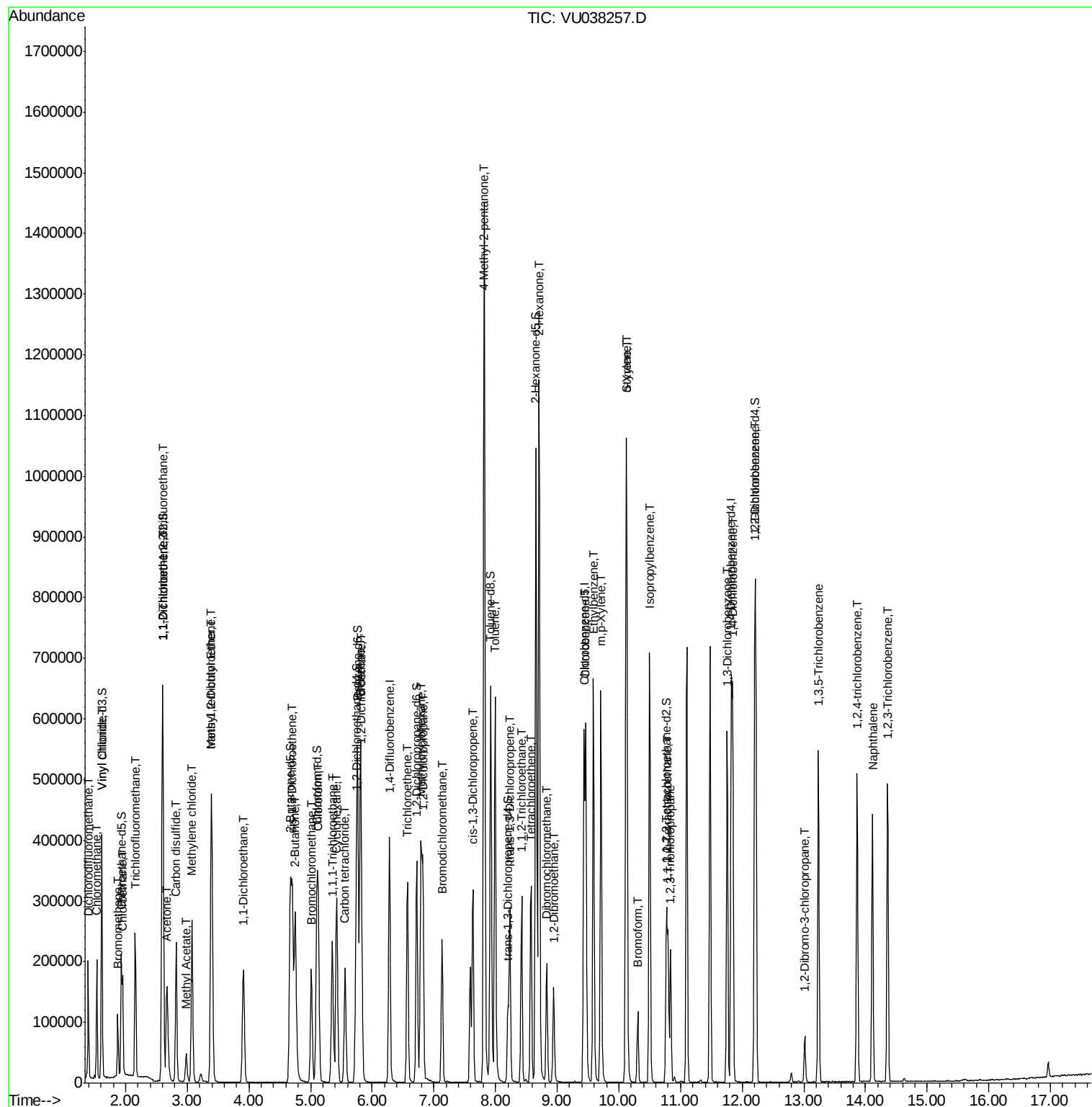
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	53740	4.712	ug/L	98
25) Chloroform	5.13	83	211529	4.721	ug/L	99
27) 1,2-Dichloroethane	5.83	62	153157	4.843	ug/L	99
29) 1,1,1-Trichloroethane	5.35	97	163772	4.639	ug/L	99
30) Cyclohexane	5.42	56	153317	3.678	ug/L	100
31) Carbon tetrachloride	5.56	117	124181	4.377	ug/L	98
33) Benzene	5.81	78	472411	4.788	ug/L	100
34) Trichloroethene	6.57	95	110617	4.482	ug/L	97
35) Methylcyclohexane	6.79	83	147008	3.677	ug/L	97
37) 1,2-Dichloropropane	6.82	63	126495	4.720	ug/L	98
38) Bromodichloromethane	7.13	83	152730	4.930	ug/L	99
39) cis-1,3-Dichloropropene	7.63	75	182916	4.769	ug/L	98
40) 4-Methyl-2-pentanone	7.82	43	966936	52.056	ug/L	100
42) Toluene	7.99	91	469701	4.510	ug/L	98
44) trans-1,3-Dichloropropene	8.23	75	155266	4.760	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	92569	4.974	ug/L	96
47) Tetrachloroethene	8.57	164	71863	4.163	ug/L	99
48) 2-Hexanone	8.71	43	733592	53.928	ug/L	100
49) Dibromochloromethane	8.83	129	96135	4.977	ug/L	98
50) 1,2-Dibromoethane	8.94	107	85469	4.948	ug/L	97
51) Chlorobenzene	9.47	112	295898	4.578	ug/L	99
52) Ethylbenzene	9.59	91	480660	4.260	ug/L	100
53) m,p-Xylene	9.71	106	186782	4.317	ug/L	95
54) o-Xylene	10.12	106	187325	4.478	ug/L	100
55) Styrene	10.13	104	319518	4.550	ug/L	100
56) Isopropylbenzene	10.50	105	460123	4.282	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	121711	5.151	ug/L	95
59) 1,2,3-Trichloropropane	10.84	75	91275	5.074	ug/L	100
61) Bromoform	10.31	173	50040	4.870	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	226117	4.572	ug/L	97
63) 1,4-Dichlorobenzene	11.85	146	226285	4.515	ug/L	97
65) 1,2-Dichlorobenzene	12.22	146	223177	4.690	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	20046	5.155	ug/L	97
67) 1,3,5-Trichlorobenzene	13.24	180	157995	4.402	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	146918	4.514	ug/L	97
69) Naphthalene	14.11	128	333603	4.868	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	143622	4.747	ug/L	98

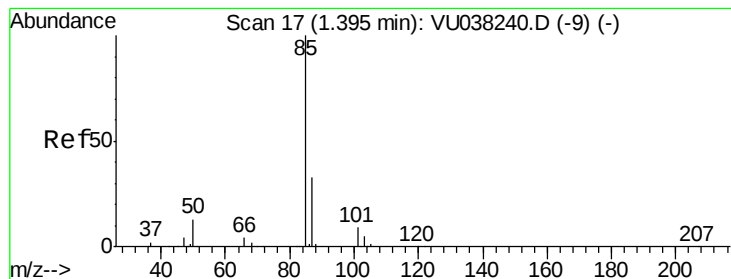
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 3.635 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU038257.D

Acq: 20 May 2020 18:57

Instrument :

MSVOA_U

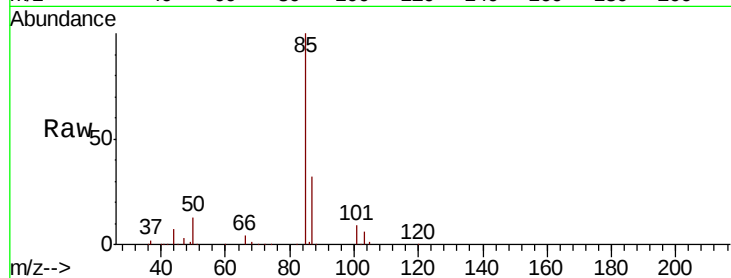
ClientSampleId :

Tot Ion: 85 Resp: 107907

Ion Ratio Lower Upper

85 100

87 31.3 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU038240.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU038240.D (-9) (-)

1.39

120000

100000

80000

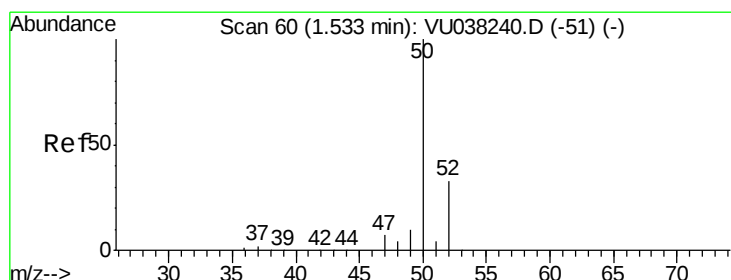
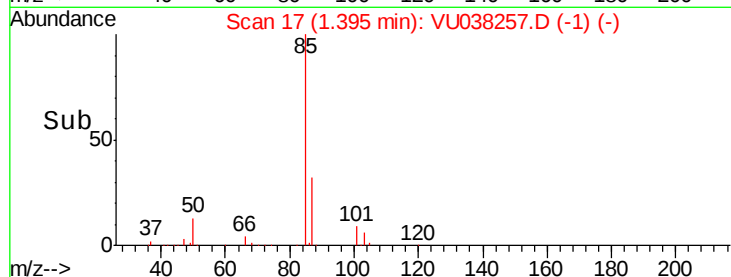
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 3.754 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU038257.D

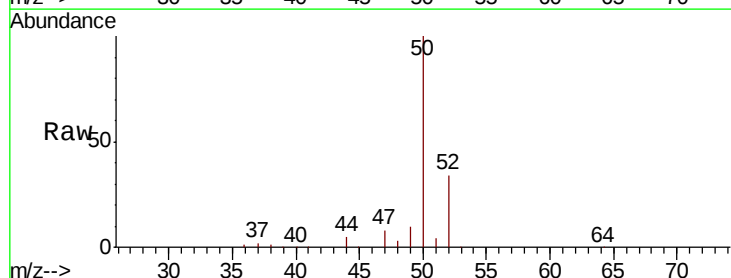
Acq: 20 May 2020 18:57

Tgt Ion: 50 Resp: 134312

Ion Ratio Lower Upper

50 100

52 33.9 22.5 41.7



Abundance Ion 50.05 (49.75 to 50.75): VU038240.D (-51) (-)

Ion 52.05 (51.75 to 52.75): VU038240.D (-51) (-)

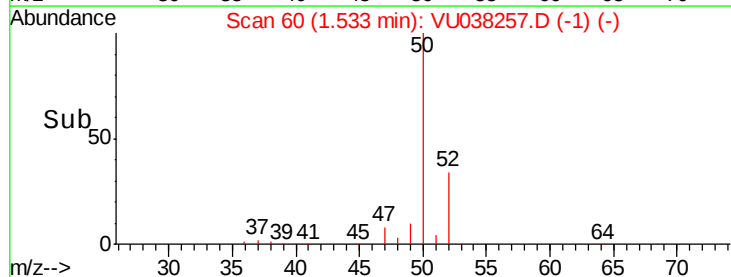
1.53

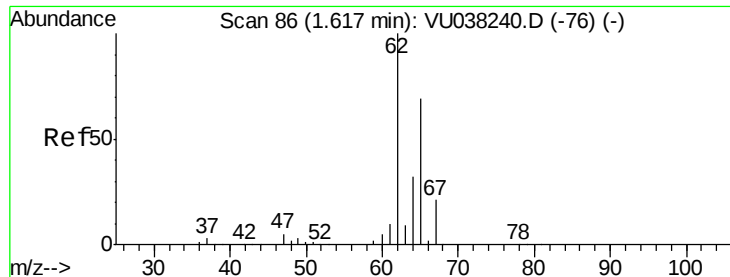
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 4.182 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU038257.D

Acq: 20 May 2020 18:57

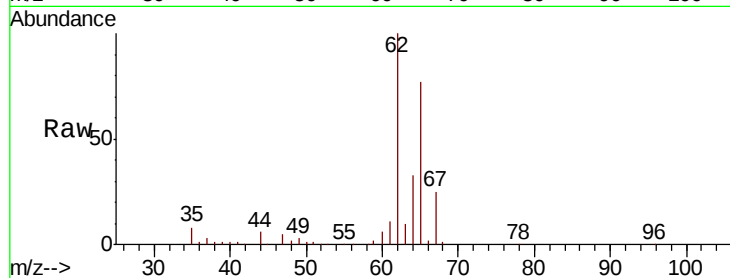
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 62 Resp: 146621

Ion Ratio Lower Upper

62 100

64 32.7 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU038240.D (-76) (-)

Ion 64.10 (63.80 to 64.80): VU038257.D (-73) (-)

1.62

150000

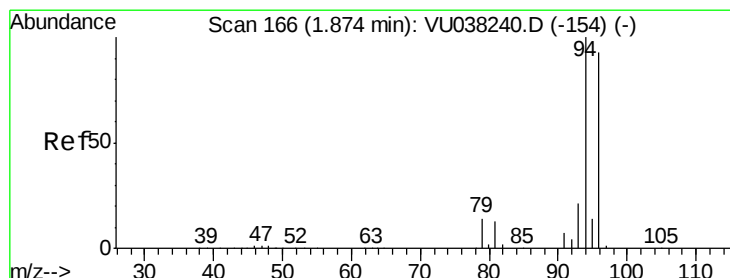
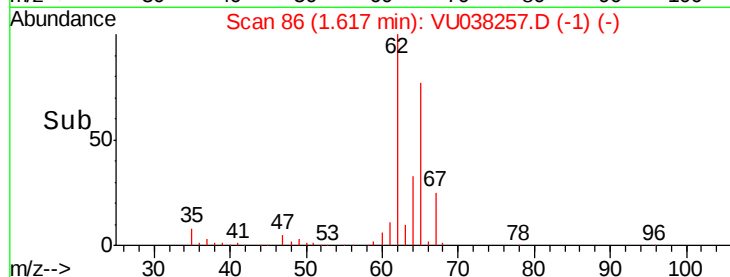
100000

50000

0

Time-->

1.55 1.60 1.65 1.70



#6

Bromomethane

Concen: 2.261 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU038257.D

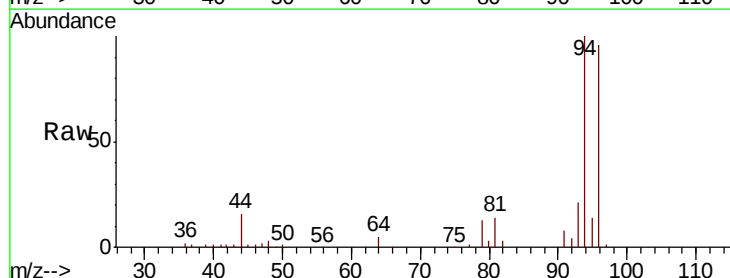
Acq: 20 May 2020 18:57

Tgt Ion: 94 Resp: 45124

Ion Ratio Lower Upper

94 100

96 95.5 65.0 120.8



Abundance Ion 94.00 (93.70 to 94.70): VU038240.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU038257.D (-73) (-)

1.87

40000

30000

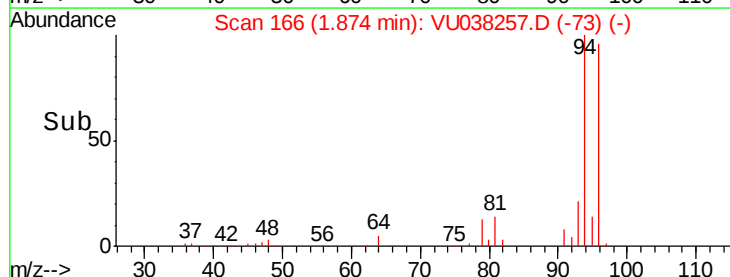
20000

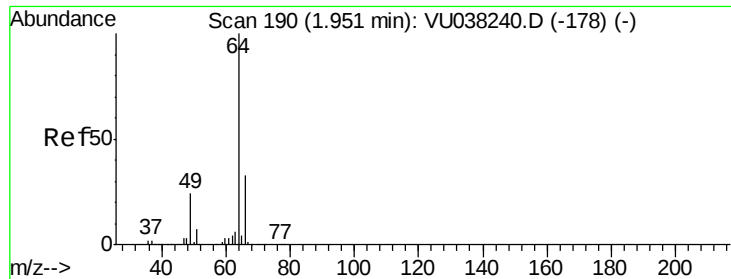
10000

0

Time-->

1.85 1.90

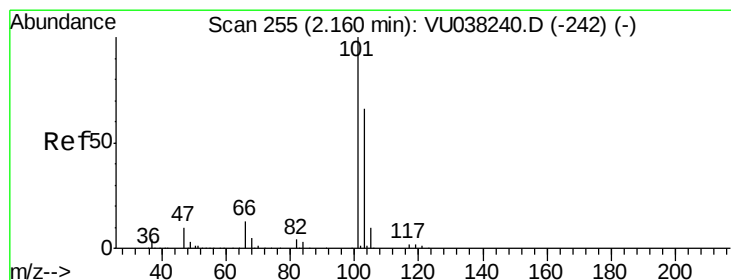
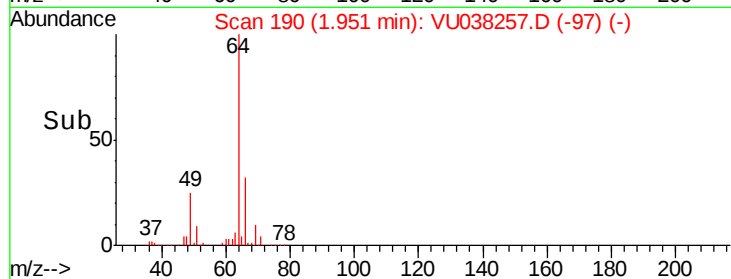
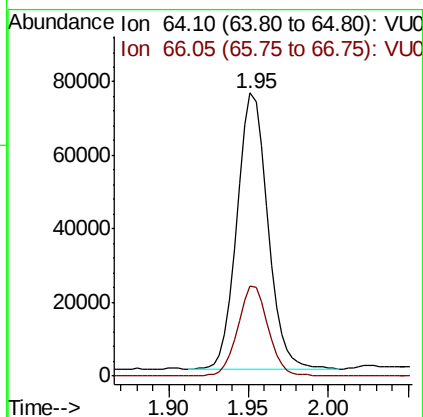
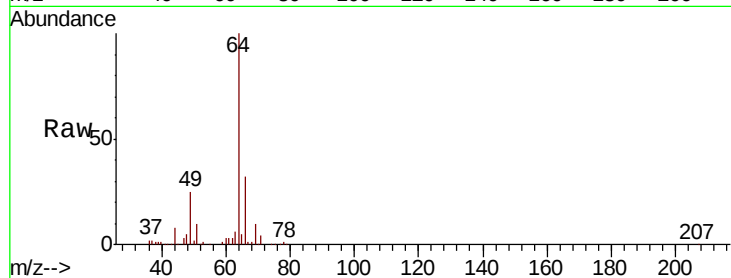




#8
Chloroethane
Concen: 4.532 ug/L
RT: 1.95 min Scan# 190
Delta R.T. 0.00 min
Lab File: VU038257.D
Acq: 20 May 2020 18:57

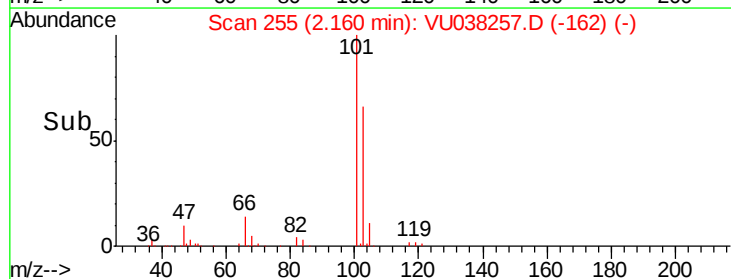
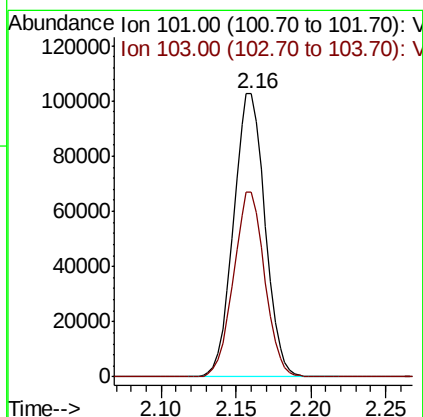
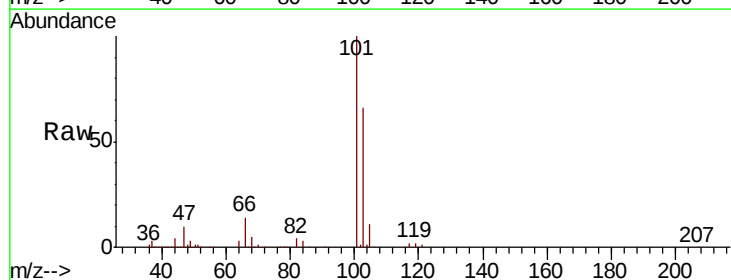
Instrument :
MSVOA_U
ClientSampleId :

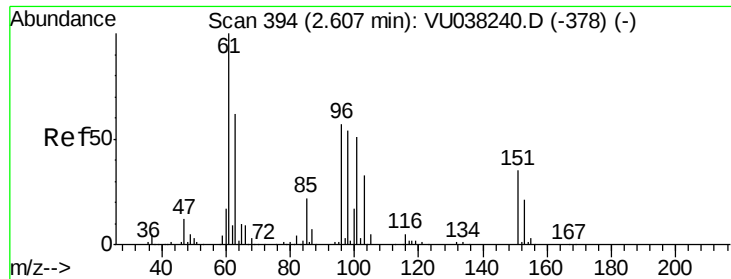
Tot Ion: 64 Resp: 97717
Ion Ratio Lower Upper
64 100
66 31.6 21.8 40.4



#9
Trichlorofluoromethane
Concen: 4.199 ug/L
RT: 2.16 min Scan# 255
Delta R.T. 0.00 min
Lab File: VU038257.D
Acq: 20 May 2020 18:57

Tgt Ion:101 Resp: 150510
Ion Ratio Lower Upper
101 100
103 64.7 51.0 76.4





#10

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

Concen: 3.961 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038257.D

Acq: 20 May 2020 18:57

Instrument :

MSVOA_U

ClientSampled :

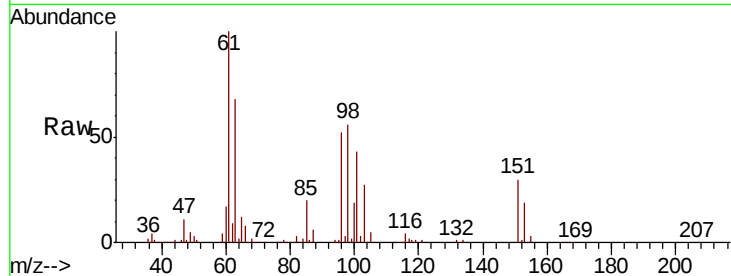
Tot Ion:101 Resp: 88014

Ion Ratio Lower Upper

101 100

85 44.5 35.3 52.9

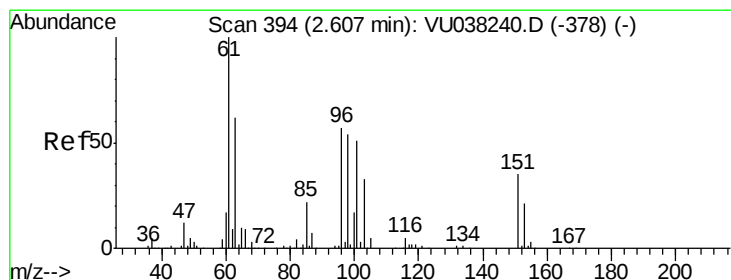
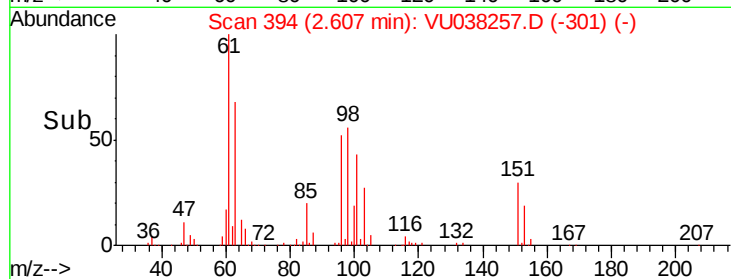
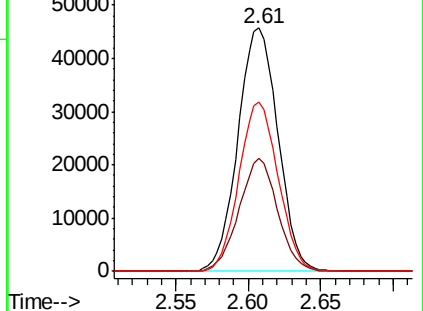
151 68.1 54.2 81.2



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: 4.202 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038257.D

Acq: 20 May 2020 18:57

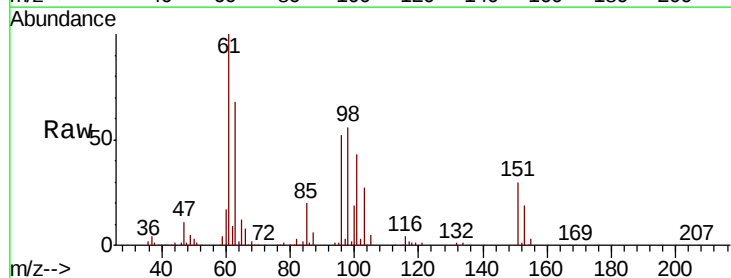
Tgt Ion: 96 Resp: 94668

Ion Ratio Lower Upper

96 100

61 191.2 126.2 234.4

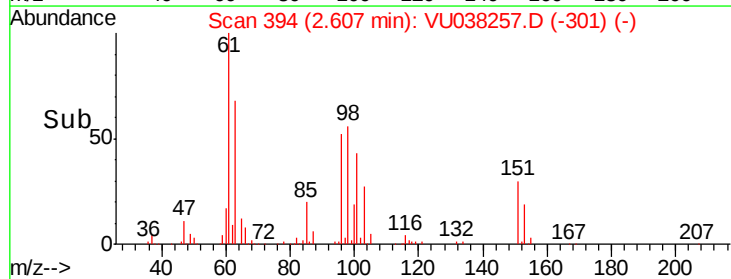
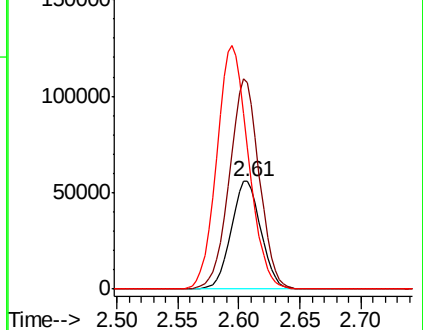
63 130.6 96.9 179.9

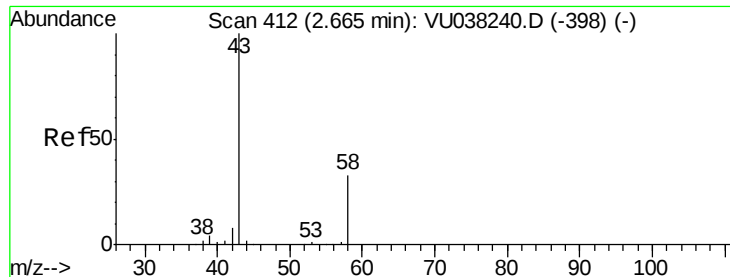


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 53.242 ug/L

RT: 2.67 min Scan# 413

Delta R.T. 0.00 min

Lab File: VU038257.D

Acq: 20 May 2020 18:57

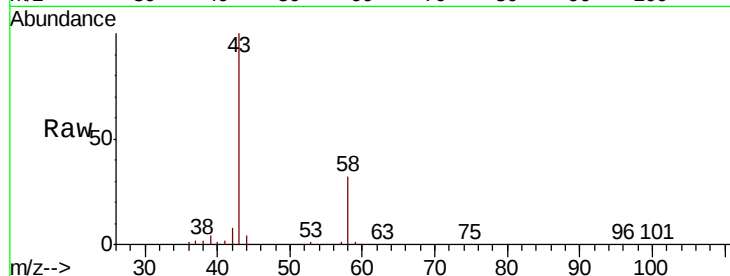
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 244710

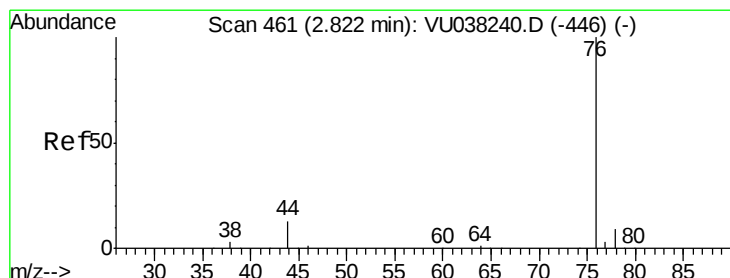
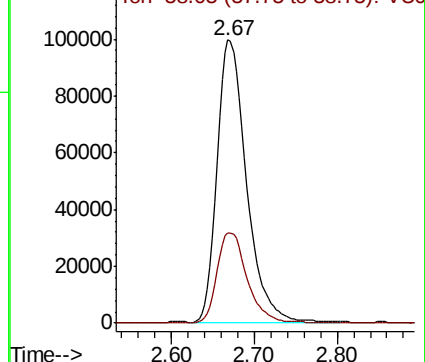
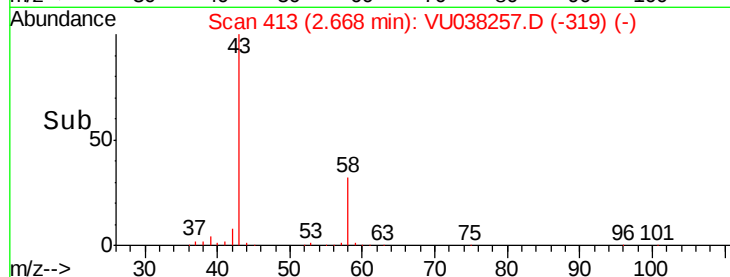
Ion Ratio Lower Upper

43 100

58 32.9 0.0 63.6



Abundance Ion 43.05 (42.75 to 43.75): VU038257.D (-319) (-)



#14

Carbon disulfide

Concen: 3.712 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU038257.D

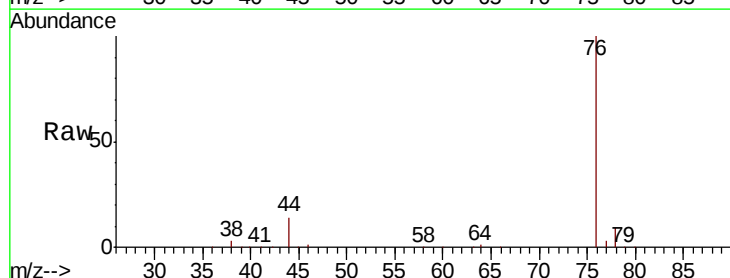
Acq: 20 May 2020 18:57

Tgt Ion: 76 Resp: 298309

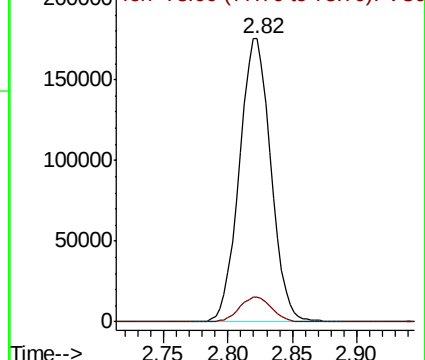
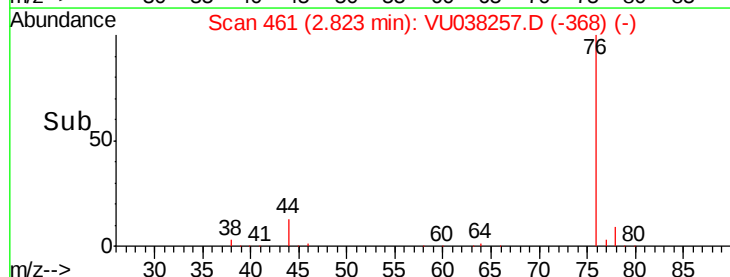
Ion Ratio Lower Upper

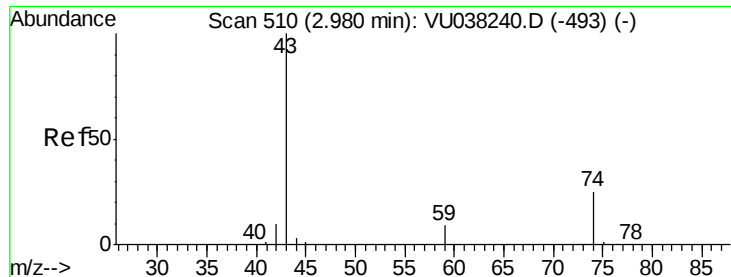
76 100

78 8.8 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU038257.D (-368) (-)





#15

Methyl Acetate

Concen: 4.797 ug/L

RT: 2.98 min Scan# 511

Delta R.T. 0.00 min

Lab File: VU038257.D

Acq: 20 May 2020 18:57

Instrument :

MSVOA_U

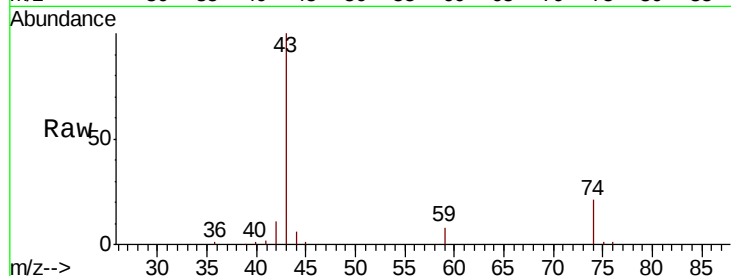
ClientSampleId :

Tot Ion: 43 Resp: 61674

Ion Ratio Lower Upper

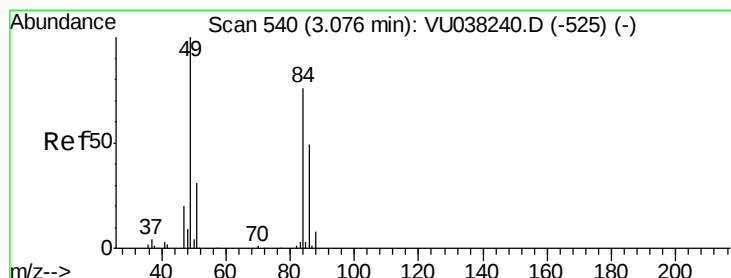
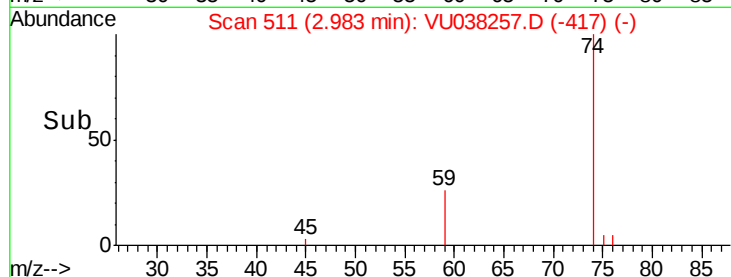
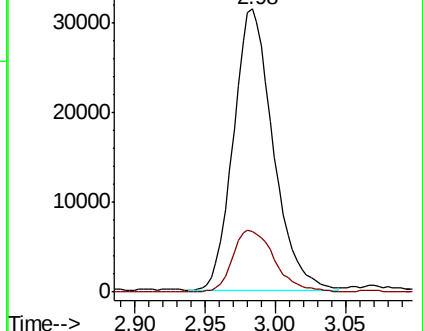
43 100

74 23.5 18.0 27.0



Abundance Ion 43.05 (42.75 to 43.75): VU038240.D (-493) (-)

Ion 74.05 (73.75 to 74.75): VU038240.D (-493) (-)



#16

Methylene chloride

Concen: 4.575 ug/L

RT: 3.08 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU038257.D

Acq: 20 May 2020 18:57

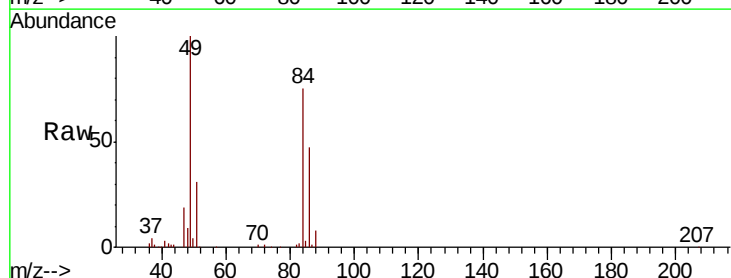
Tgt Ion: 84 Resp: 120119

Ion Ratio Lower Upper

84 100

86 62.1 44.9 83.3

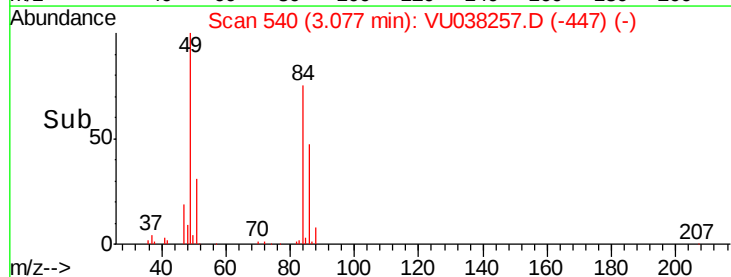
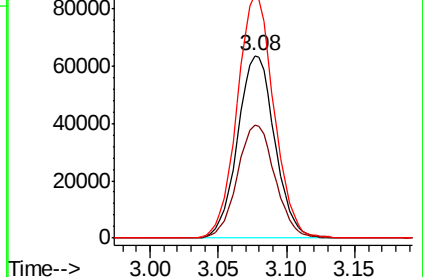
49 133.5 92.0 170.9

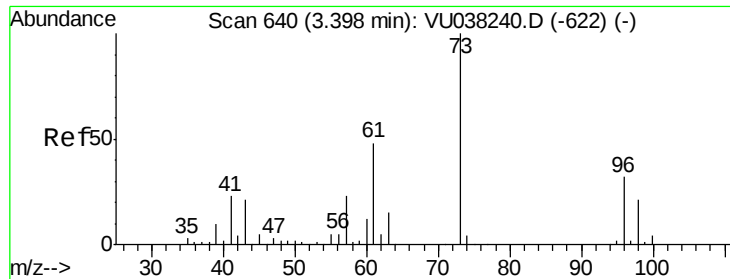


Abundance Ion 84.05 (83.75 to 84.75): VU038240.D (-525) (-)

Ion 86.00 (85.70 to 86.70): VU038240.D (-525) (-)

Ion 49.10 (48.80 to 49.80): VU038240.D (-525) (-)

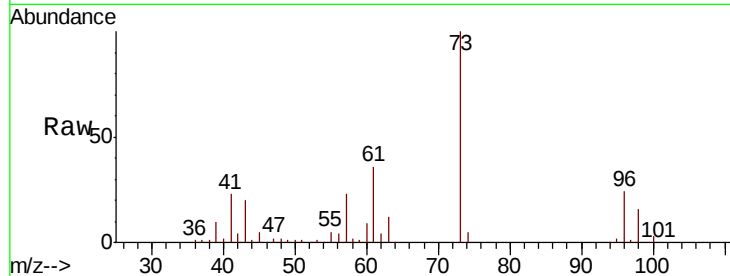




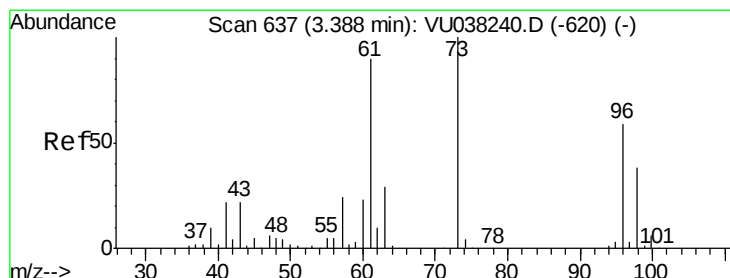
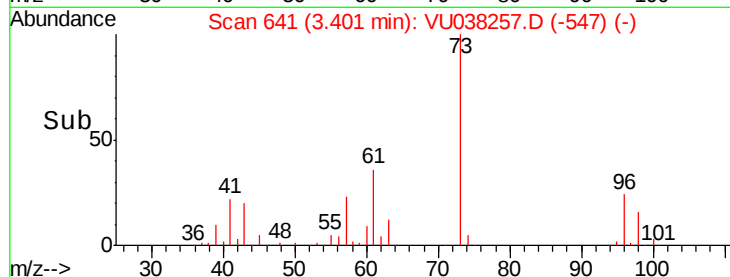
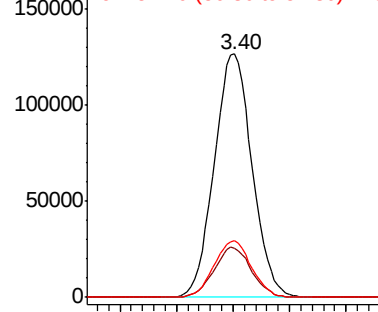
#17
Methvl tert-butvl Ether
Concen: 4.699 ug/L
RT: 3.40 min Scan# 641
Delta R.T. 0.00 min
Lab File: VU038257.D
Acq: 20 May 2020 18:57

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 294116
Ion Ratio Lower Upper
73 100
43 20.5 16.9 25.3
57 22.9 18.2 27.2

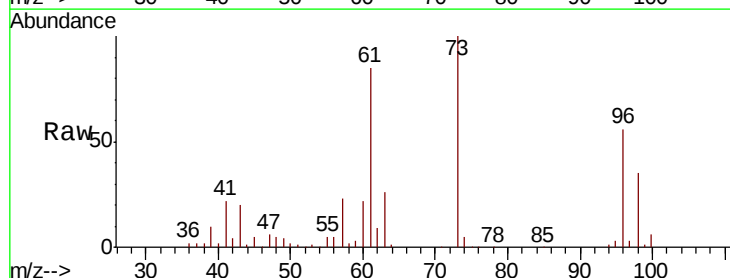


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

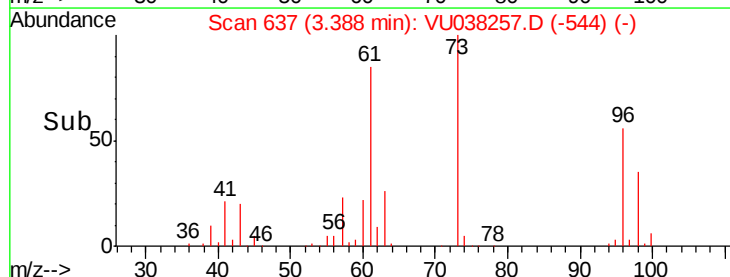
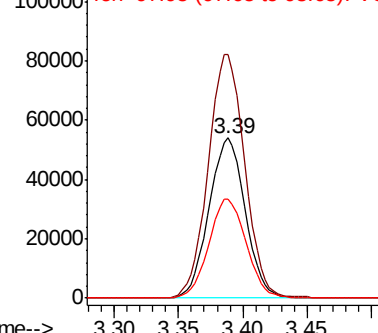


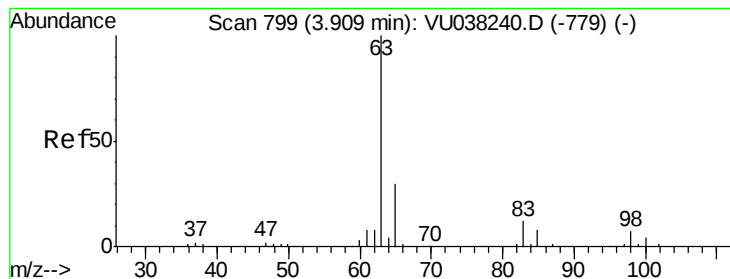
#18
trans-1,2-Dichloroethene
Concen: 4.298 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU038257.D
Acq: 20 May 2020 18:57

Tgt Ion: 96 Resp: 105712
Ion Ratio Lower Upper
96 100
61 152.0 102.1 189.5
98 61.8 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: 4.596 ug/L

RT: 3.91 min Scan# 800

Delta R.T. 0.00 min

Lab File: VU038257.D

Acq: 20 May 2020 18:57

Instrument :

MSVOA_U

ClientSampleId :

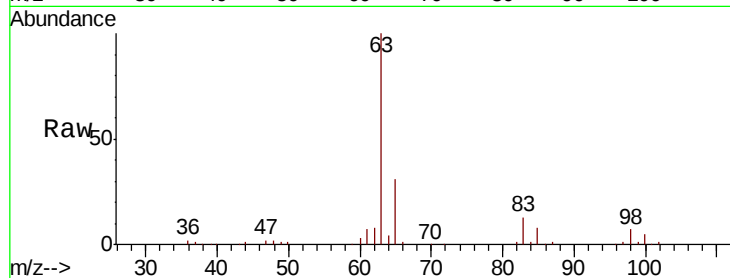
Tot Ion: 63 Resp: 220759

Ion Ratio Lower Upper

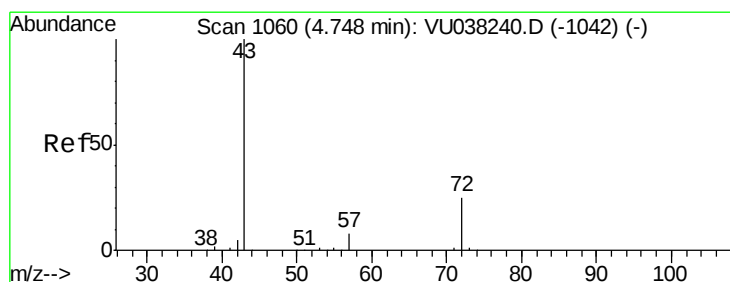
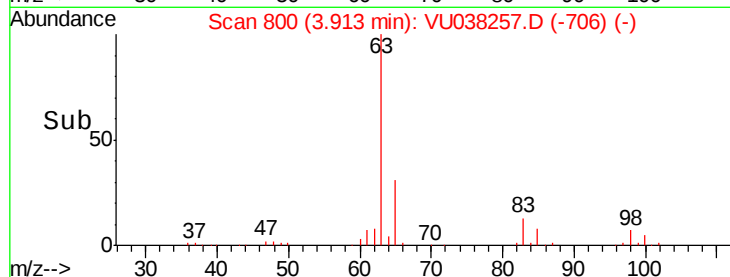
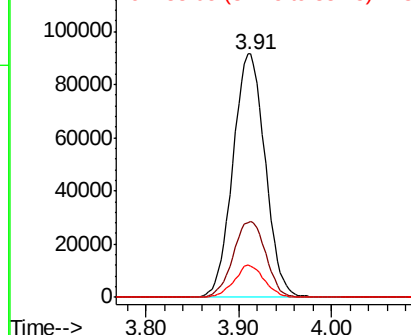
63 100

65 31.2 22.5 41.7

83 13.0 8.9 16.5



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: 53.034 ug/L

RT: 4.75 min Scan# 1061

Delta R.T. 0.00 min

Lab File: VU038257.D

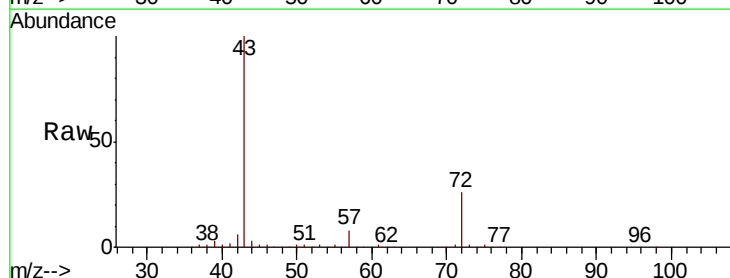
Acq: 20 May 2020 18:57

Tgt Ion: 43 Resp: 430237

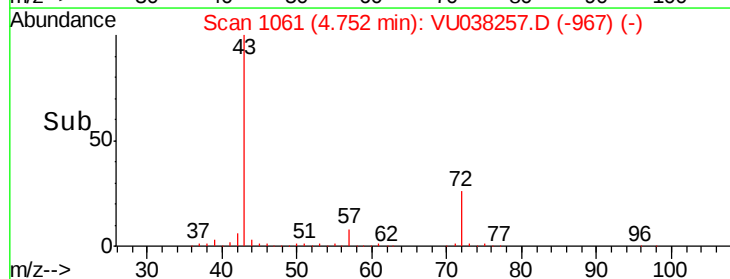
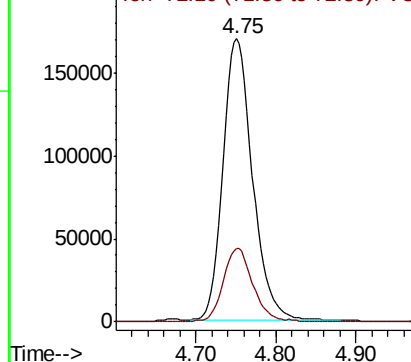
Ion Ratio Lower Upper

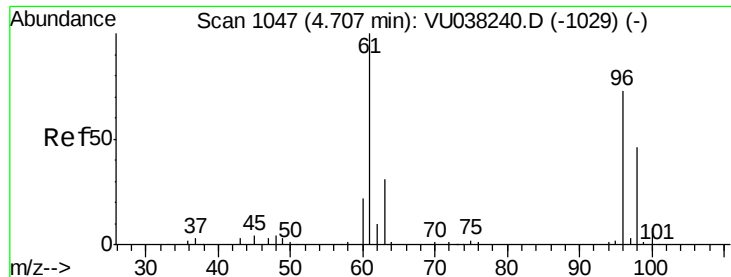
43 100

72 26.3 13.5 40.4



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





#22

cis-1,2-Dichloroethene

Concen: 4.542 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU038257.D

Acq: 20 May 2020 18:57

Instrument :
MSVOA_U
ClientSampled :

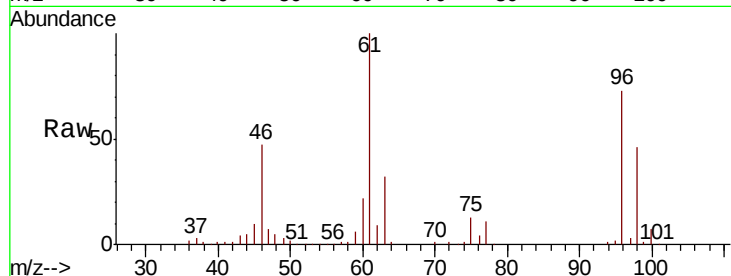
Tot Ion: 96 Resp: 120369

Ion Ratio Lower Upper

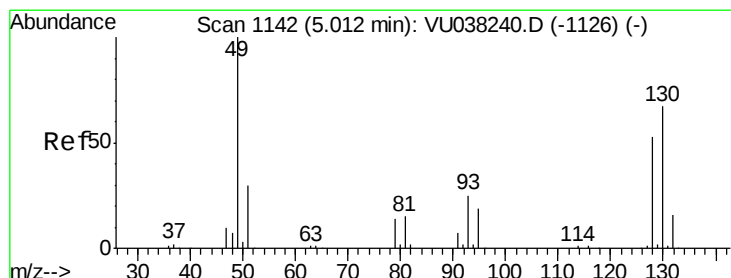
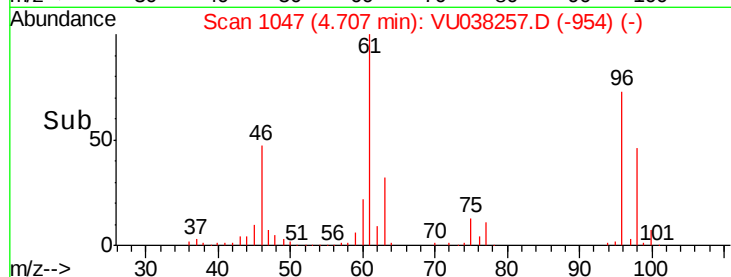
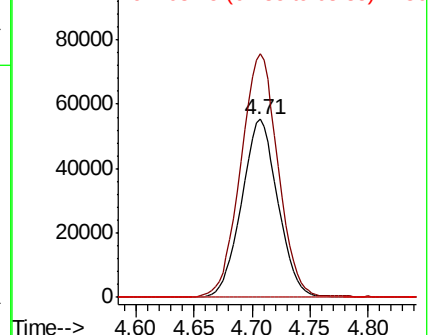
96 100

61 136.7 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: 4.712 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU038257.D

Acq: 20 May 2020 18:57

Tgt Ion: 128 Resp: 53740

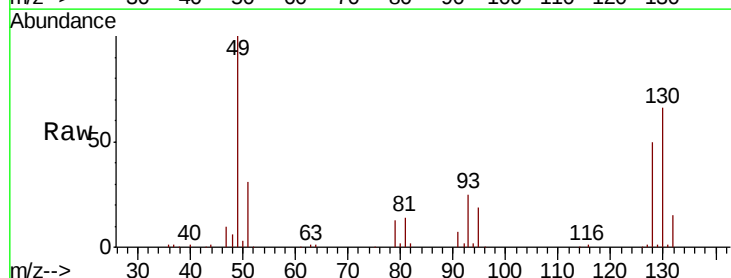
Ion Ratio Lower Upper

128 100

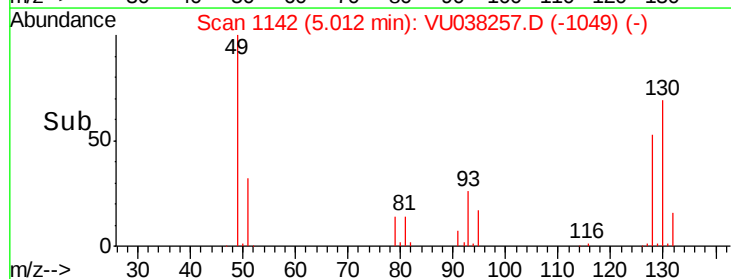
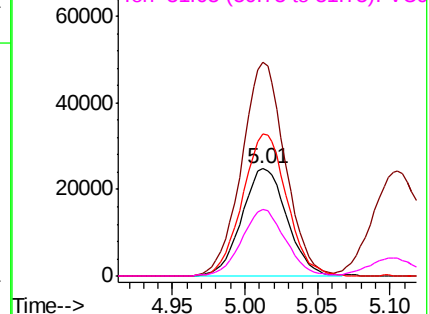
49 199.0 135.6 251.8

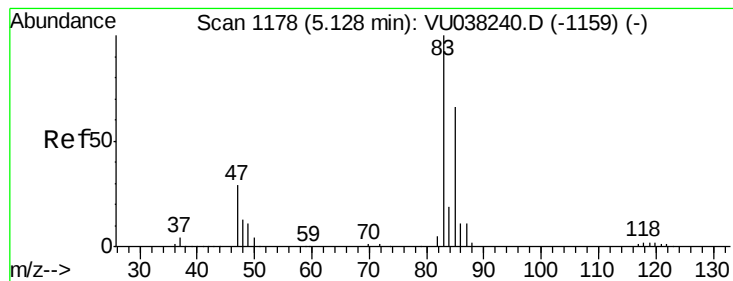
130 131.8 91.4 169.8

51 62.0 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: 4.721 ug/L

RT: 5.13 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VU038257.D

Acq: 20 May 2020 18:57

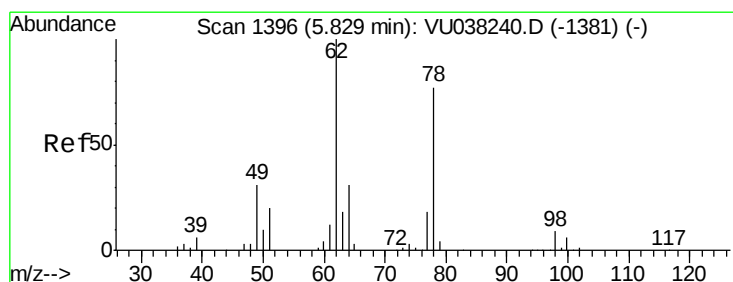
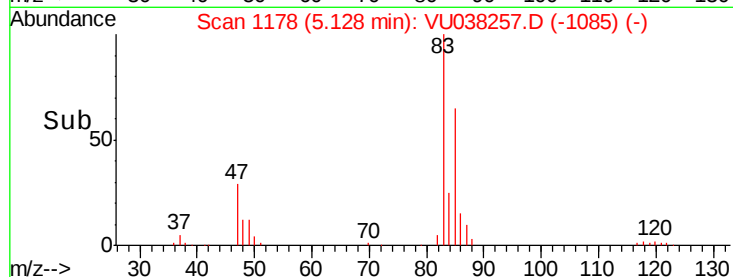
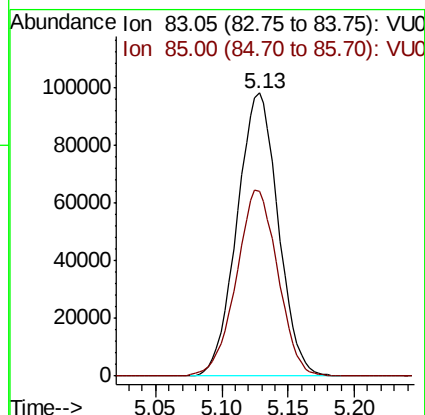
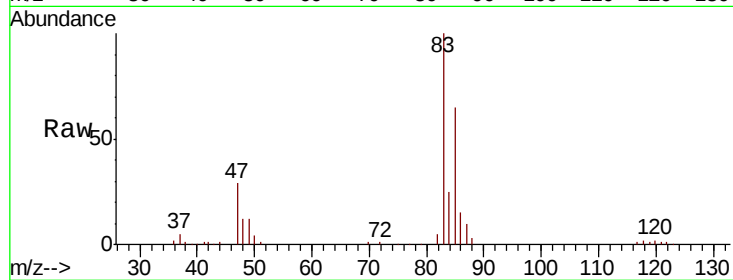
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 83 Resp: 211529

Ion Ratio Lower Upper

83 100

85 65.4 46.2 85.8



#27

1,2-Dichloroethane

Concen: 4.843 ug/L

RT: 5.83 min Scan# 1396

Delta R.T. 0.00 min

Lab File: VU038257.D

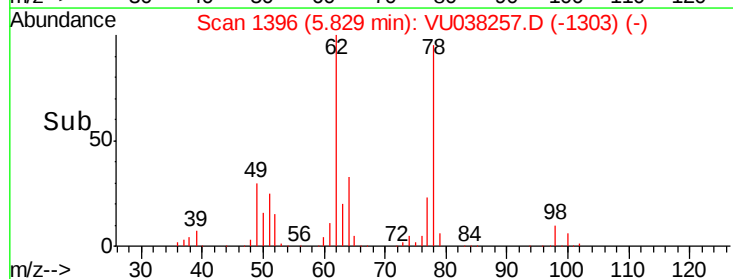
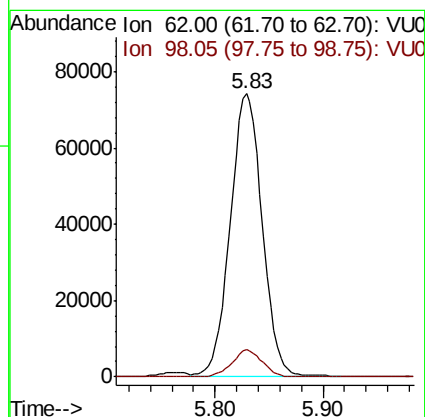
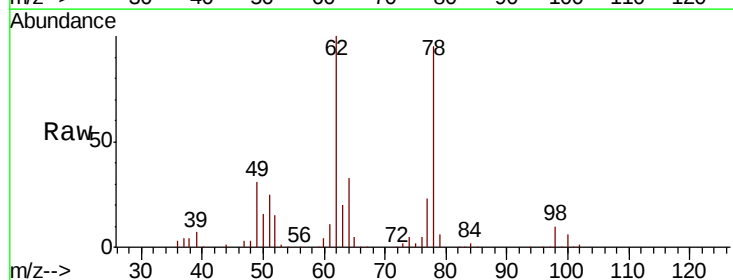
Acq: 20 May 2020 18:57

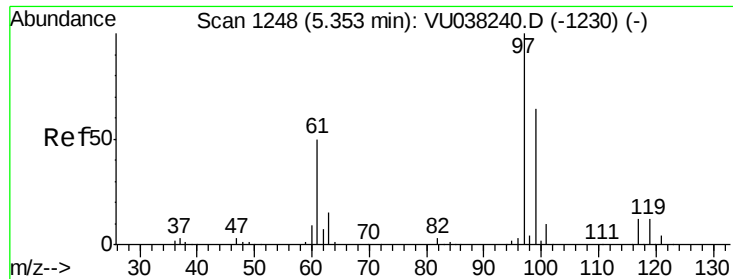
Tgt Ion: 62 Resp: 153157

Ion Ratio Lower Upper

62 100

98 9.5 7.8 11.8

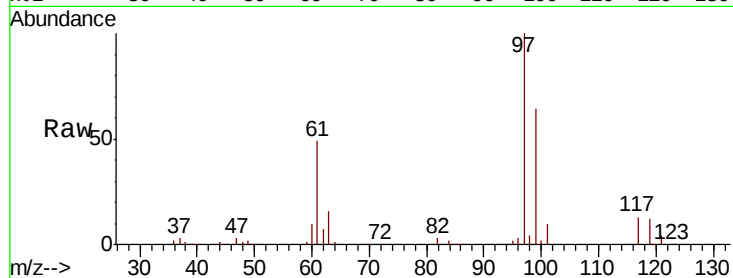




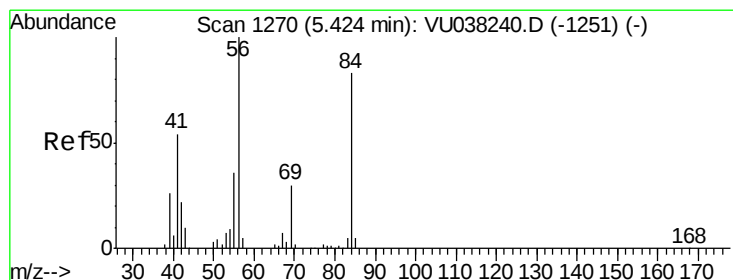
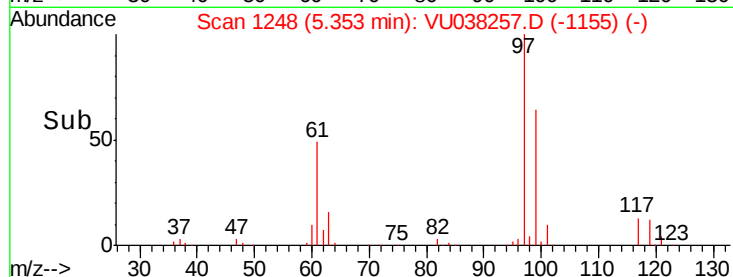
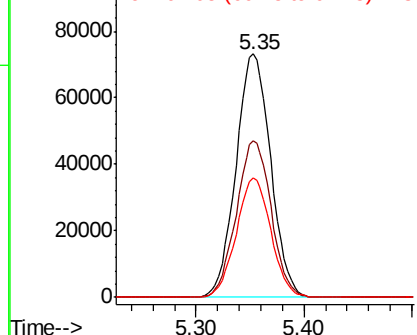
#29
 1,1,1-Trichloroethane
 Concen: 4.639 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VU038257.D
 Acq: 20 May 2020 18:57

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 97 Resp: 163772
 Ion Ratio Lower Upper
 97 100
 99 64.5 51.0 76.4
 61 49.0 38.2 57.4

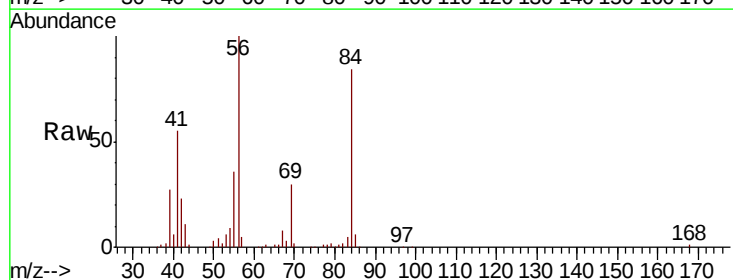


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

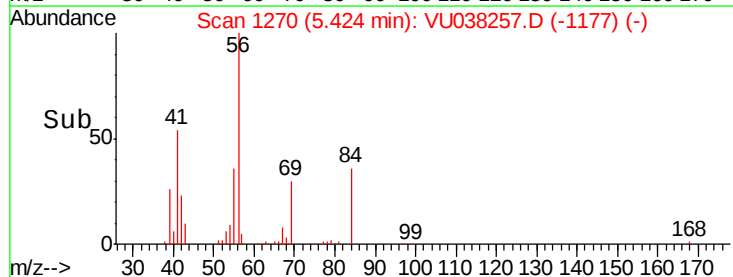
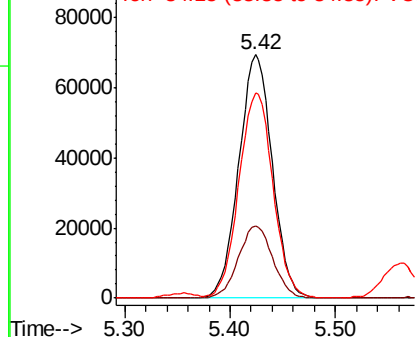


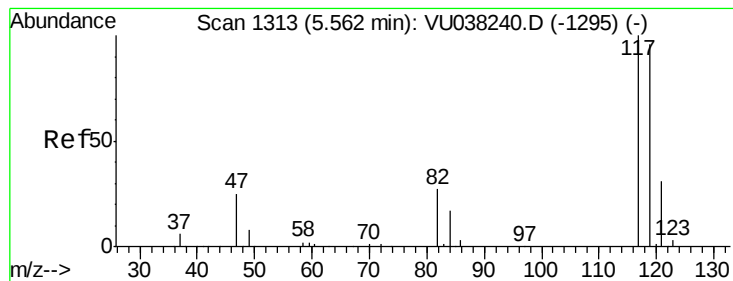
#30
 Cyclohexane
 Concen: 3.678 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VU038257.D
 Acq: 20 May 2020 18:57

Tgt Ion: 56 Resp: 153317
 Ion Ratio Lower Upper
 56 100
 69 30.3 24.2 36.4
 84 86.2 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: 4.377 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU038257.D

Acq: 20 May 2020 18:57

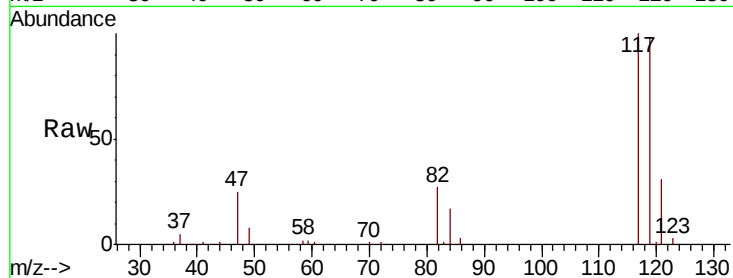
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 124181

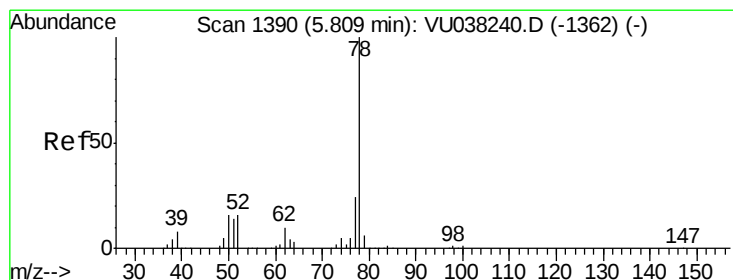
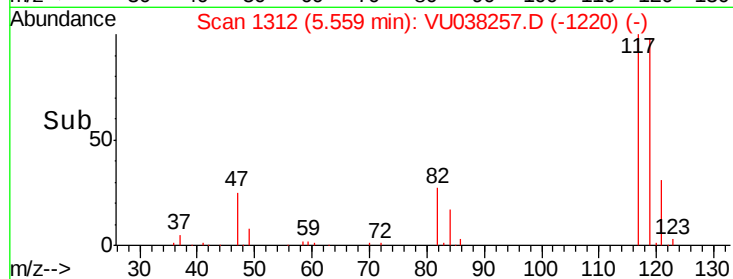
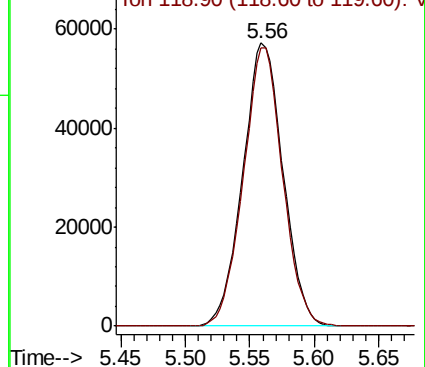
Ion Ratio Lower Upper

117 100

119 96.0 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: 4.788 ug/L

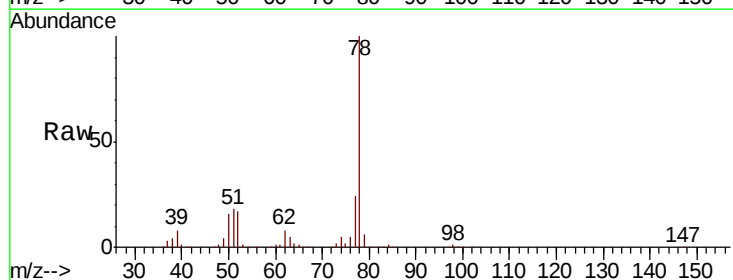
RT: 5.81 min Scan# 1389

Delta R.T. -0.00 min

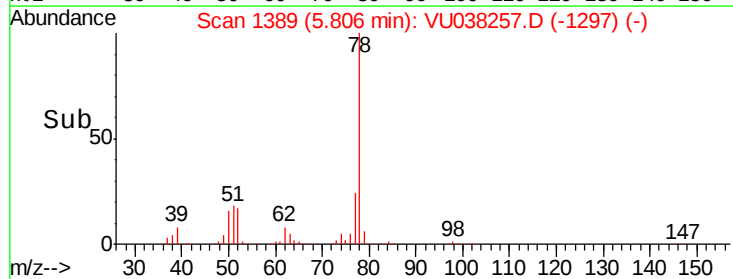
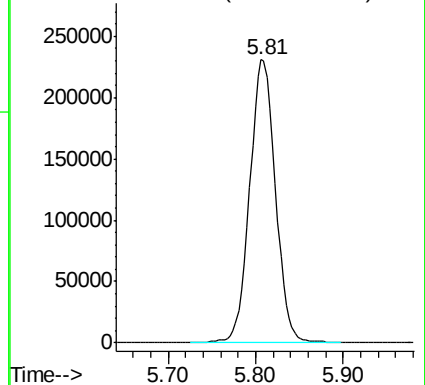
Lab File: VU038257.D

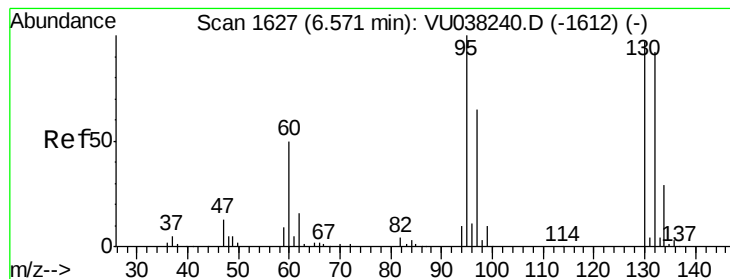
Acq: 20 May 2020 18:57

Tgt Ion: 78 Resp: 472411



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.482 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VU038257.D

Acq: 20 May 2020 18:57

Instrument :

MSVOA_U

ClientSampled :

Tot Ion: 95 Resp: 110617

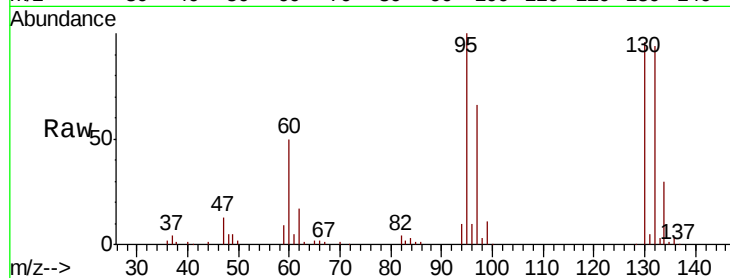
Ion Ratio Lower Upper

95 100

97 66.0 44.9 83.3

132 94.4 63.3 117.5

130 95.8 65.7 122.1

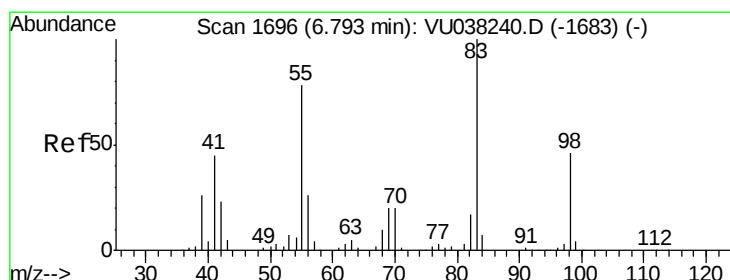
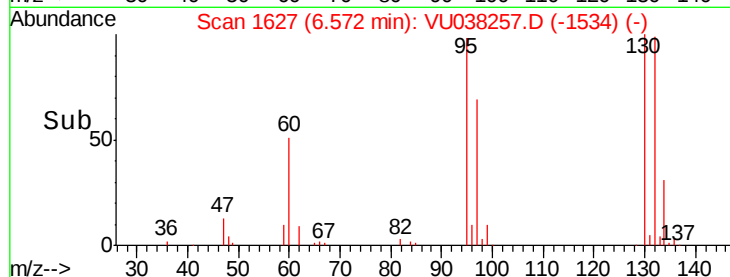
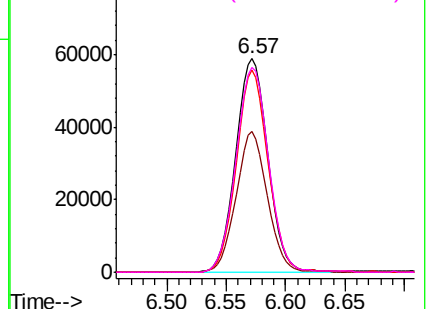


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 3.677 ug/L

RT: 6.79 min Scan# 1695

Delta R.T. -0.00 min

Lab File: VU038257.D

Acq: 20 May 2020 18:57

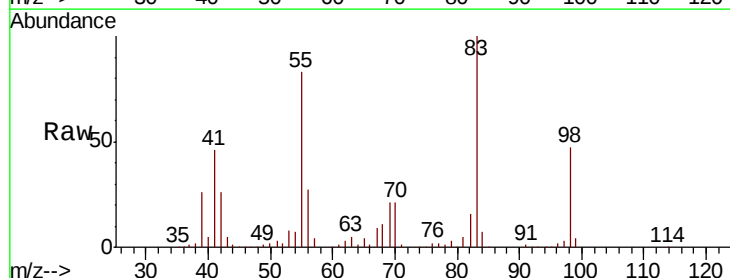
Tgt Ion: 83 Resp: 147008

Ion Ratio Lower Upper

83 100

55 80.9 66.7 100.1

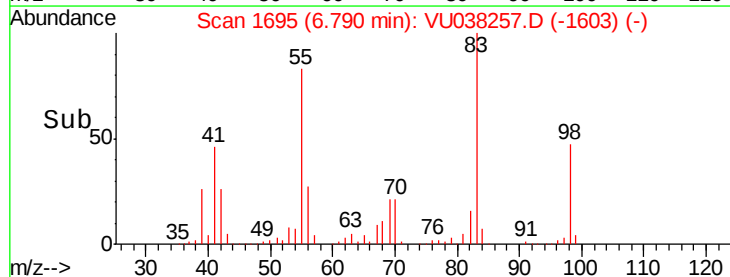
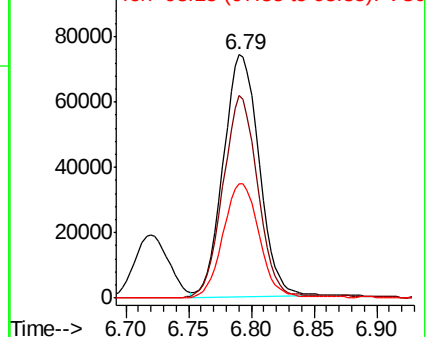
98 47.6 39.4 59.2

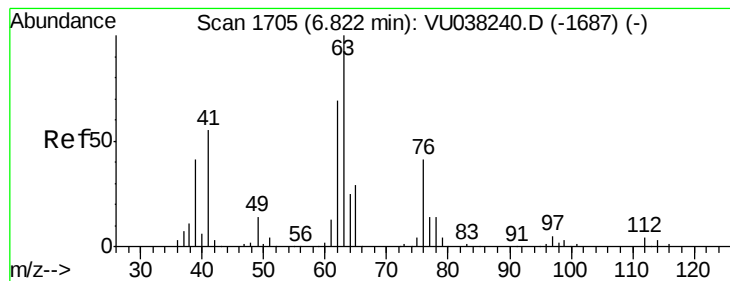


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 4.720 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. 0.00 min

Lab File: VU038257.D

Acq: 20 May 2020 18:57

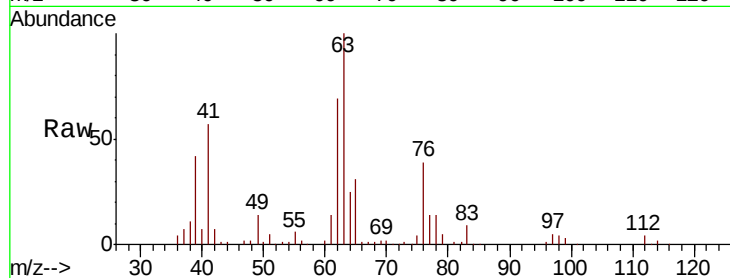
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 63 Resp: 126495

Ion Ratio Lower Upper

63 100

112 4.5 3.1 4.7



Abundance Ion 63.10 (62.80 to 63.80): VU038240.D (-1687) (-)

Ion 112.10 (111.80 to 112.80): VU038240.D (-1687) (-)

6.82

80000

60000

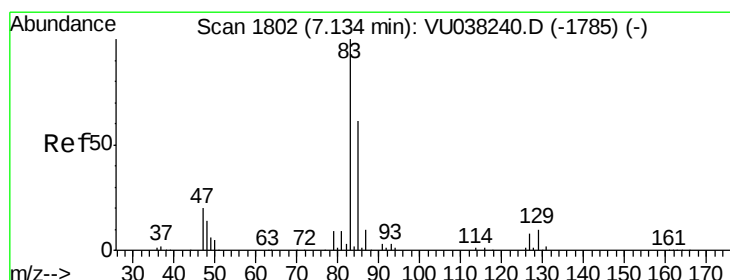
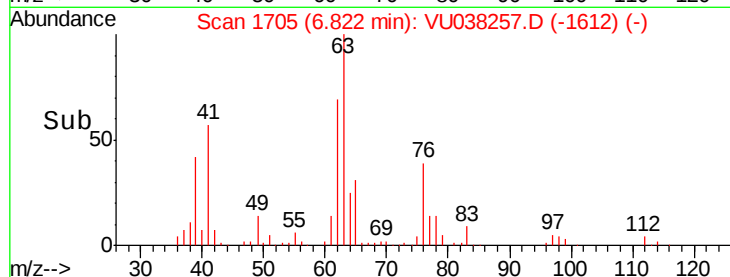
40000

20000

0

6.75 6.80 6.85 6.90

Time-->



#38

Bromodichloromethane

Concen: 4.930 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VU038257.D

Acq: 20 May 2020 18:57

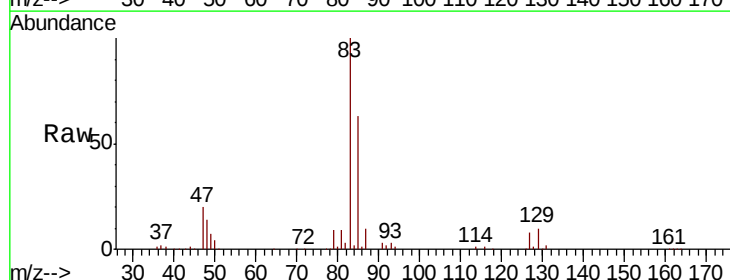
Tgt Ion: 83 Resp: 152730

Ion Ratio Lower Upper

83 100

85 63.3 44.6 82.8

127 7.8 6.4 9.6



Abundance Ion 82.95 (82.65 to 83.65): VU038240.D (-1785) (-)

Ion 85.00 (84.70 to 85.70): VU038240.D (-1785) (-)

Ion 126.90 (126.60 to 127.60): VU038240.D (-1785) (-)

7.13

100000

80000

60000

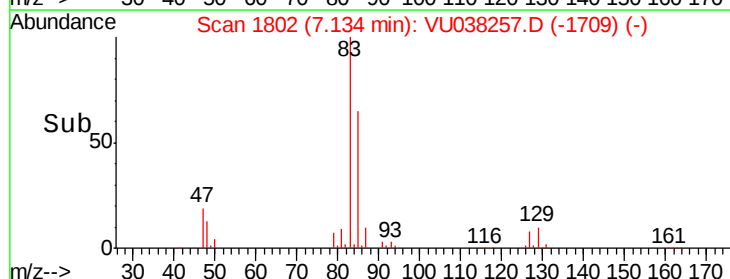
40000

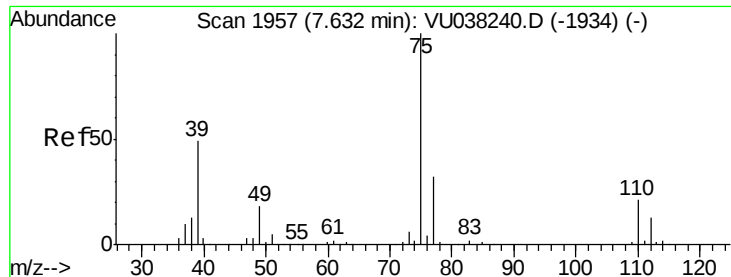
20000

0

7.10 7.20

Time-->



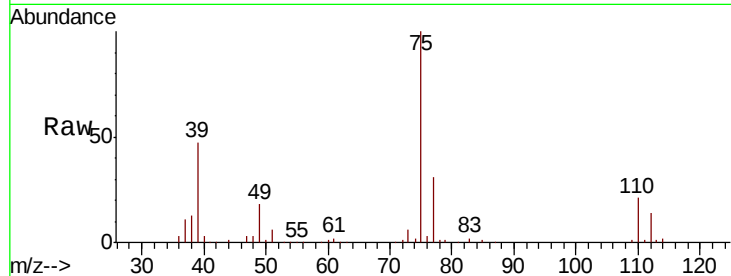


#39

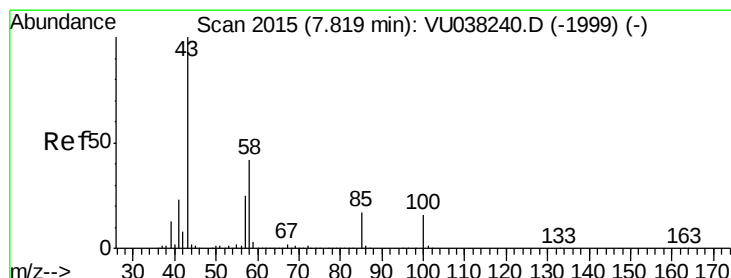
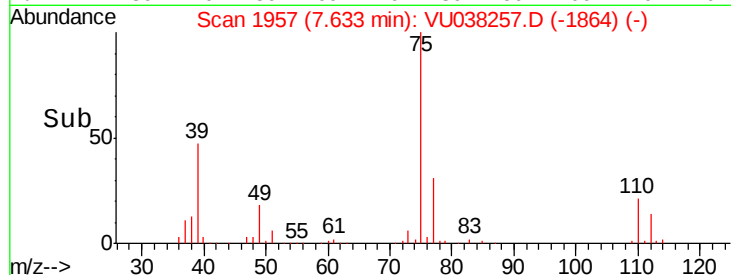
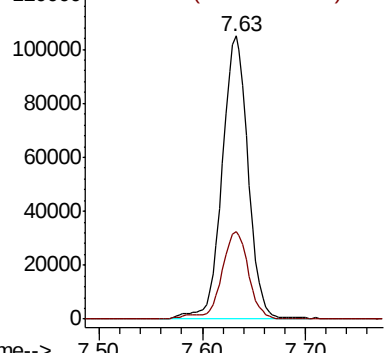
cis-1,3-Dichloropropene
Concen: 4.769 ug/L
RT: 7.63 min Scan# 1957
Delta R.T. 0.00 min
Lab File: VU038257.D
Acq: 20 May 2020 18:57

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 75 Resp: 182916
Ion Ratio Lower Upper
75 100
77 31.1 22.4 41.6



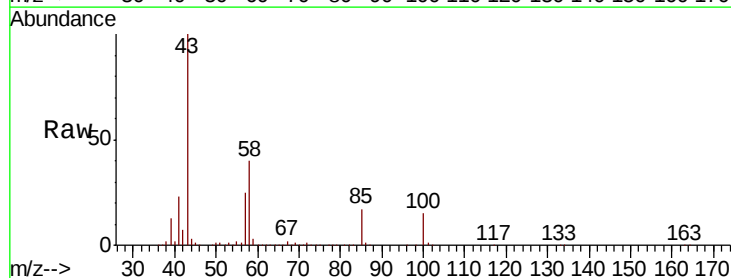
Abundance Ion 75.05 (74.75 to 75.75): VU038240.D (-1934) (-)
Ion 77.05 (76.75 to 77.75): VU038240.D (-1934) (-)



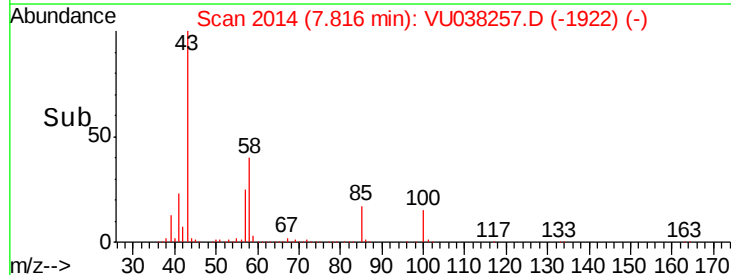
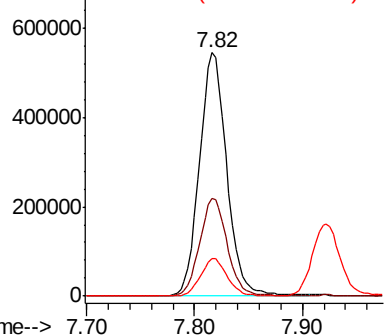
#40

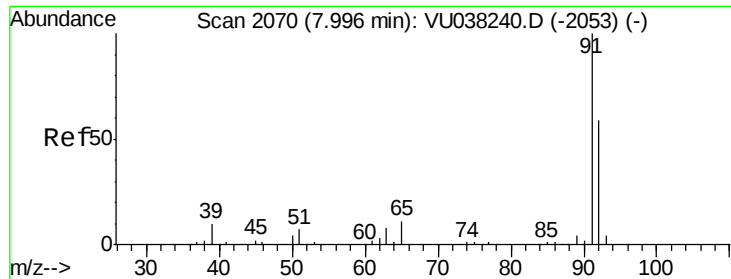
4-Methyl-2-pentanone
Concen: 52.056 ug/L
RT: 7.82 min Scan# 2014
Delta R.T. -0.00 min
Lab File: VU038257.D
Acq: 20 May 2020 18:57

Tgt Ion: 43 Resp: 966936
Ion Ratio Lower Upper
43 100
58 40.5 32.2 48.4
100 15.1 12.1 18.1



Abundance Ion 43.05 (42.75 to 43.75): VU038240.D (-1999) (-)
Ion 58.05 (57.75 to 58.75): VU038240.D (-1999) (-)
Ion 100.15 (99.85 to 100.85): VU038240.D (-1999) (-)





#42

Toluene

Concen: 4.510 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU038257.D

Acq: 20 May 2020 18:57

Instrument :

MSVOA_U

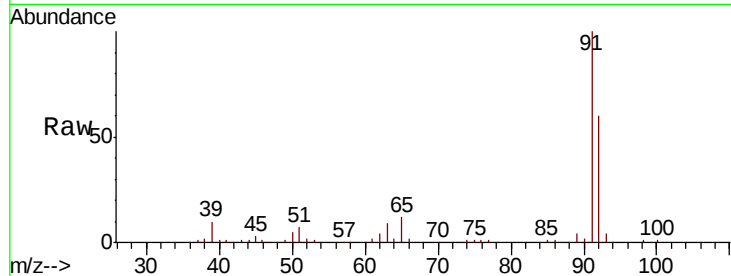
ClientSampleId :

Tot Ion: 91 Resp: 469701

Ion Ratio Lower Upper

91 100

92 59.6 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU038240.D (-2053) (-)

Ion 92.15 (91.85 to 92.85): VU038257.D (-1977) (-)

7.99

250000

200000

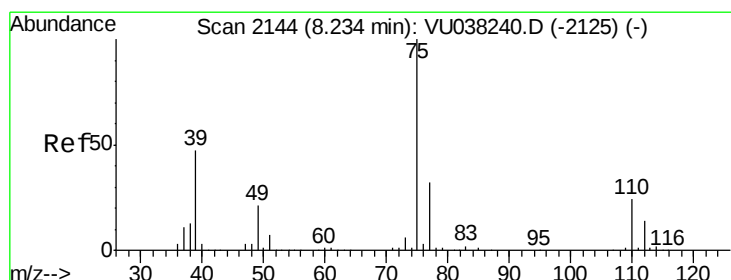
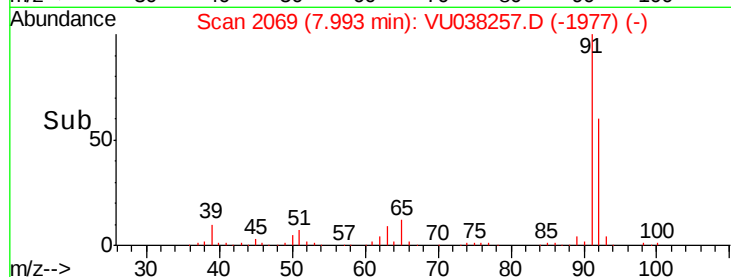
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.760 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU038257.D

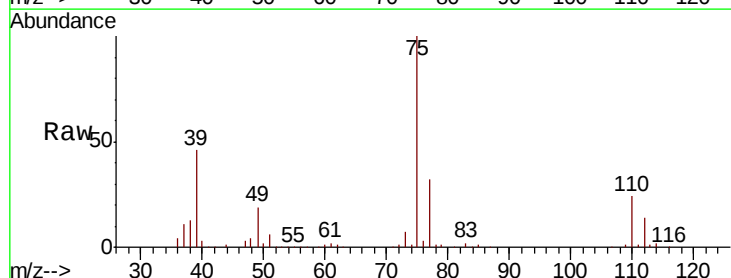
Acq: 20 May 2020 18:57

Tgt Ion: 75 Resp: 155266

Ion Ratio Lower Upper

75 100

77 31.6 22.4 41.6



Abundance Ion 75.05 (74.75 to 75.75): VU038240.D (-2125) (-)

Ion 77.05 (76.75 to 77.75): VU038257.D (-2051) (-)

8.23

100000

80000

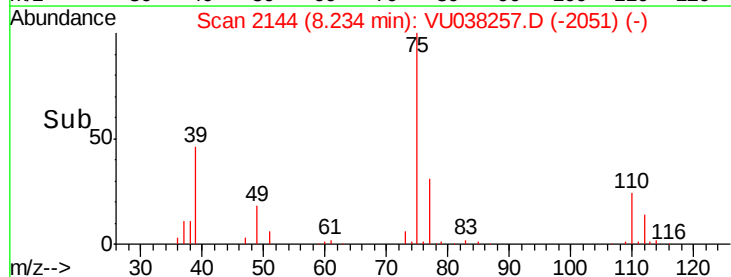
60000

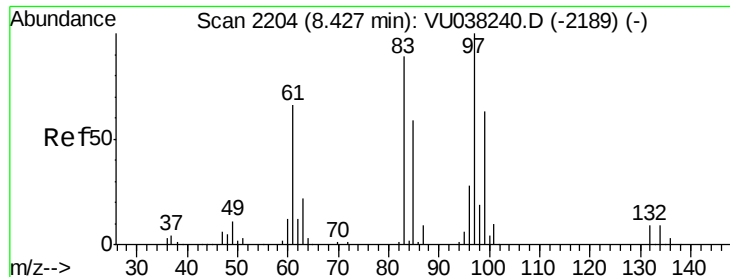
40000

20000

0

Time-->

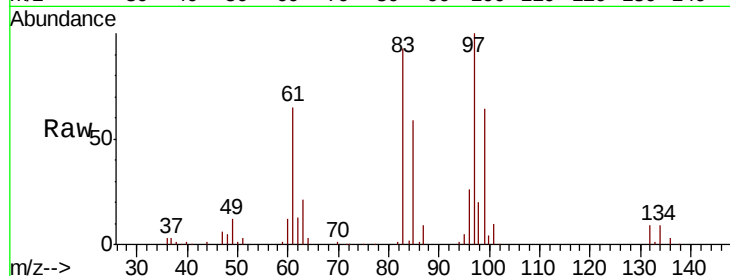




#45
1,1,2-Trichloroethane
Concen: 4.974 ug/L
RT: 8.42 min Scan# 2203
Delta R.T. -0.00 min
Lab File: VU038257.D
Acq: 20 May 2020 18:57

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	97	Resp:	92569
Ion	Ratio	Lower	Upper
97	100		
99	63.7	44.0	81.6
83	93.1	59.6	110.8
85	58.8	41.3	76.7



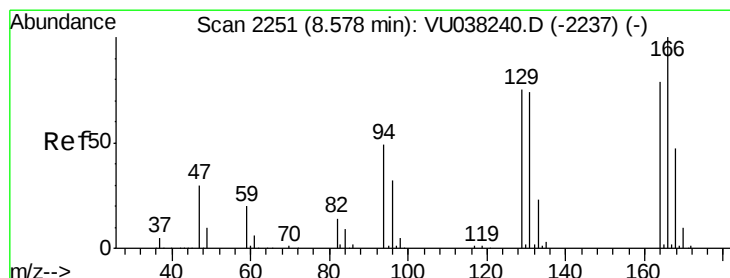
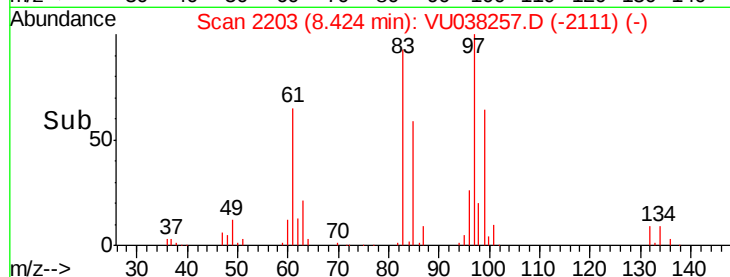
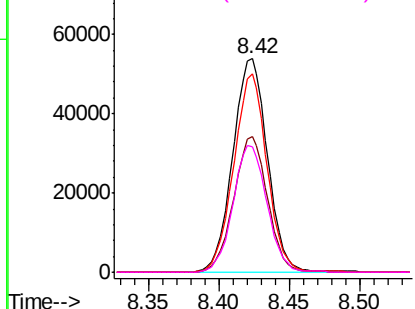
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

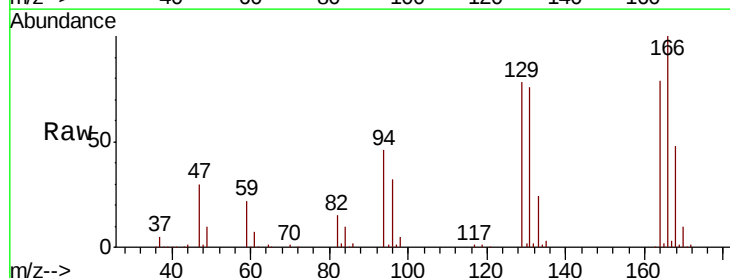
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47
Tetrachloroethene
Concen: 4.163 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. -0.00 min
Lab File: VU038257.D
Acq: 20 May 2020 18:57

Tgt Ion:	164	Resp:	71863
Ion	Ratio	Lower	Upper
164	100		
129	99.3	68.8	127.8
131	96.4	66.8	124.2
166	126.5	88.9	165.1



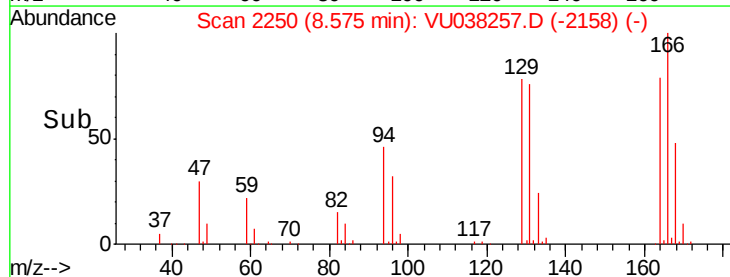
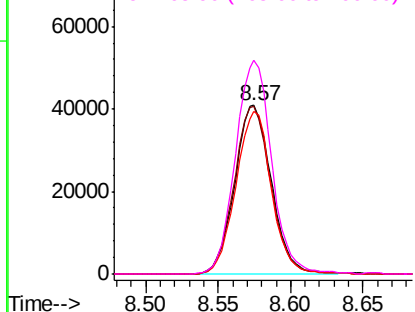
Abundance

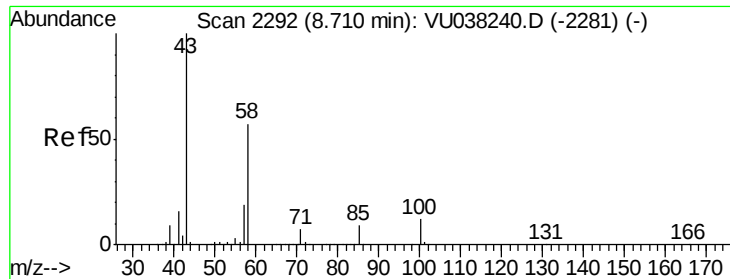
Ion 163.90 (163.60 to 164.60): V

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

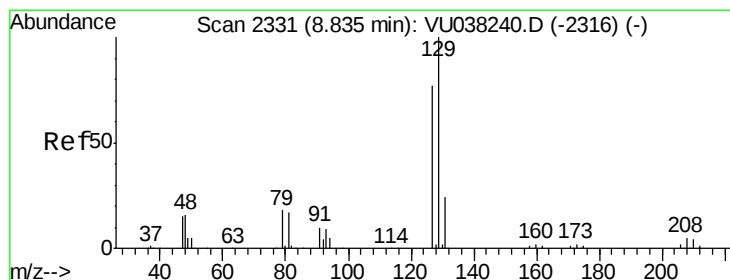
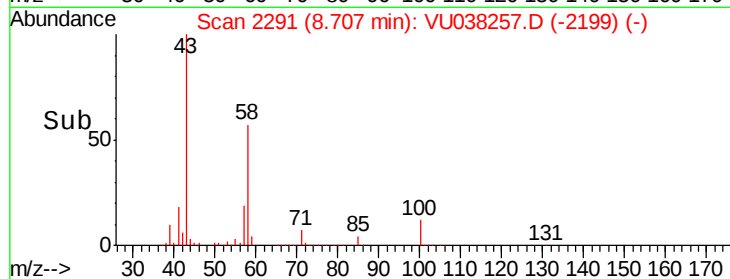
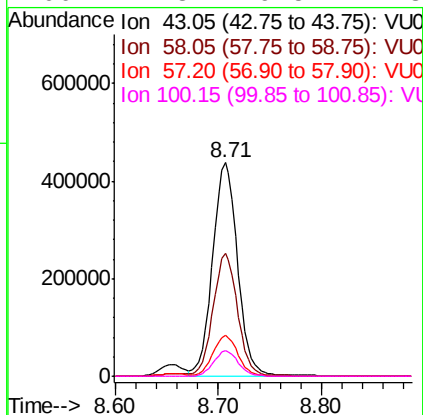
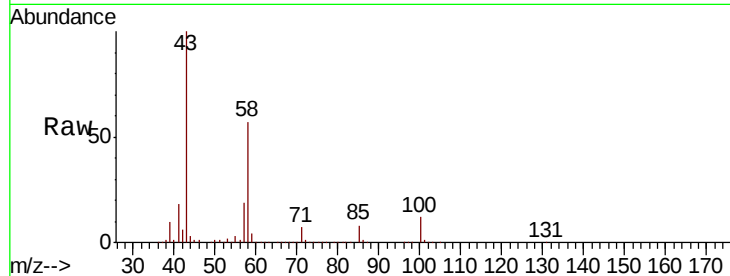




#48
2-Hexanone
Concen: 53.928 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU038257.D
Acq: 20 May 2020 18:57

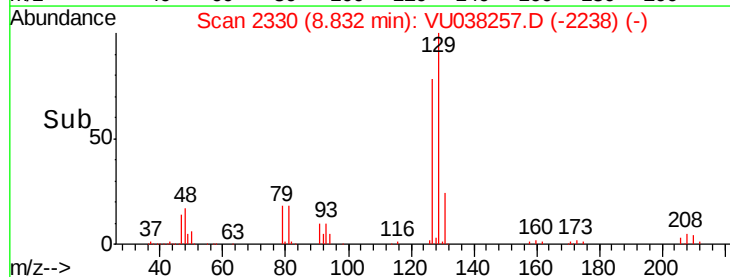
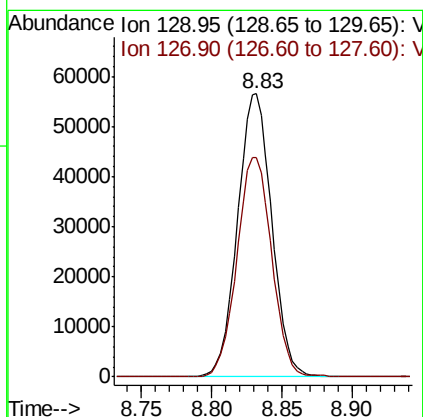
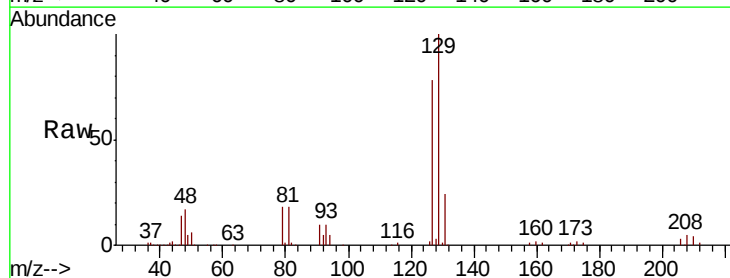
Instrument :
MSVOA_U
ClientSampleId :

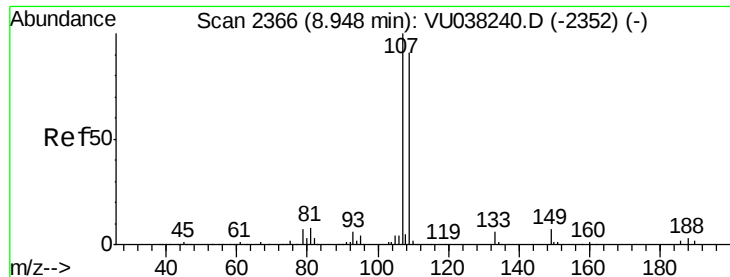
Tot Ion:	43	Resp:	733592
Ion	Ratio	Lower	Upper
43	100		
58	56.6	45.2	67.8
57	19.1	15.5	23.3
100	11.8	9.5	14.3



#49
Dibromochloromethane
Concen: 4.977 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU038257.D
Acq: 20 May 2020 18:57

Tgt Ion:	129	Resp:	96135
Ion	Ratio	Lower	Upper
129	100		
127	77.5	55.6	103.4

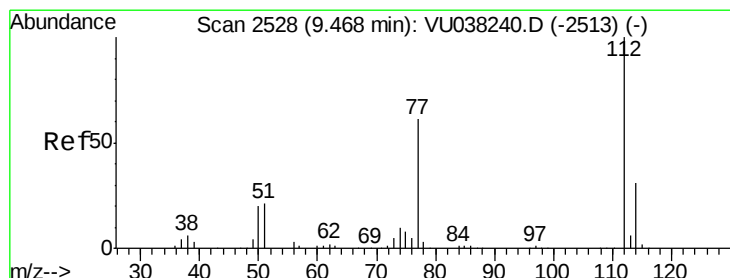
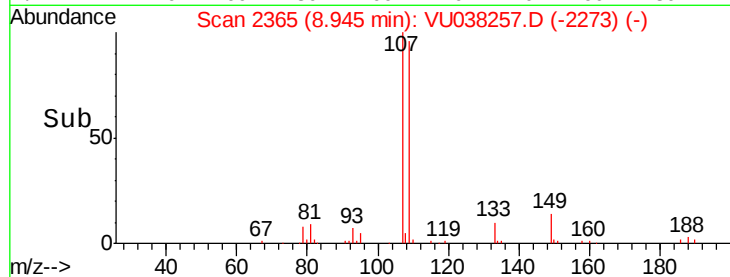
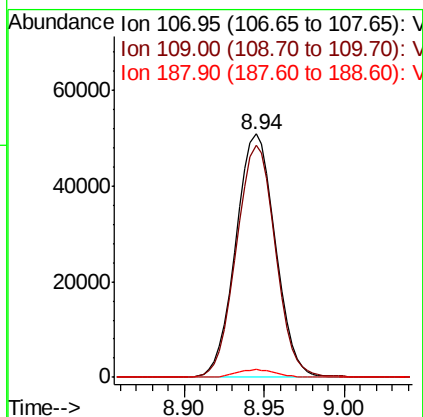
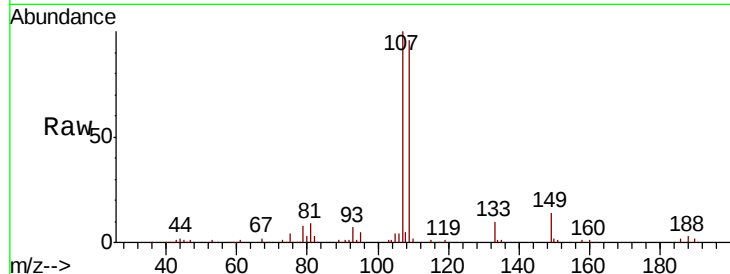




#50
 1,2-Dibromoethane
 Concen: 4.948 ug/L
 RT: 8.94 min Scan# 2365
 Delta R.T. -0.00 min
 Lab File: VU038257.D
 Acq: 20 May 2020 18:57

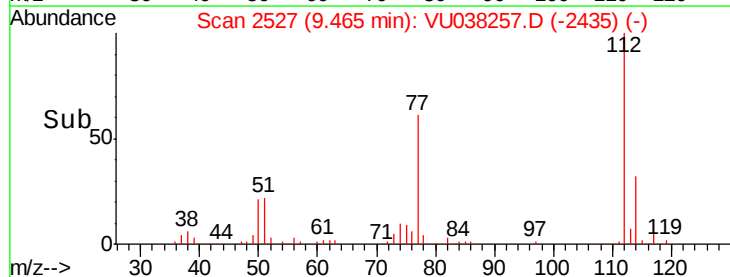
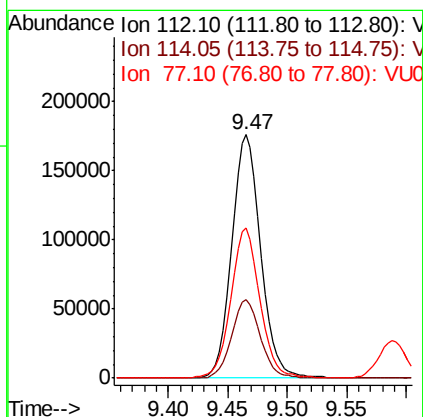
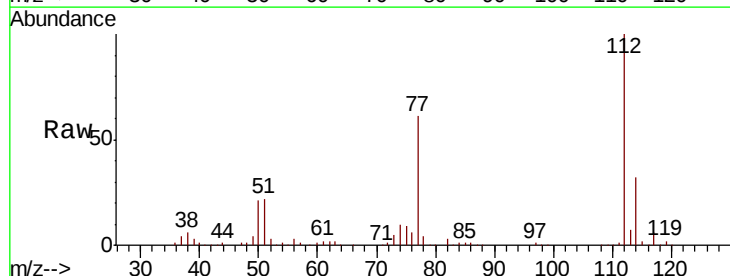
Instrument :
 MSVOA_U
 ClientSampleId :

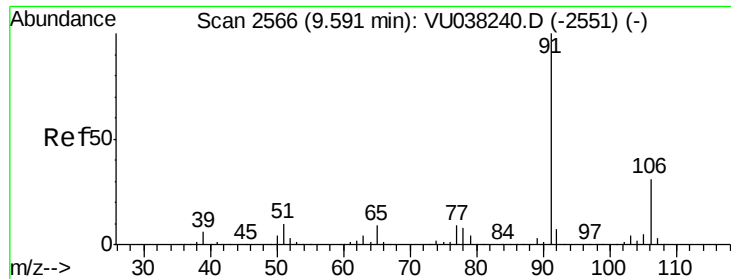
Tot Ion	Ratio	Lower	Upper
107	100		
109	95.6	65.1	120.9
188	3.1	2.6	4.0



#51
 Chlorobenzene
 Concen: 4.578 ug/L
 RT: 9.47 min Scan# 2527
 Delta R.T. -0.00 min
 Lab File: VU038257.D
 Acq: 20 May 2020 18:57

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.1	22.5	41.7
77	61.5	49.9	74.9





#52

Ethylbenzene

Concen: 4.260 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU038257.D

Acq: 20 May 2020 18:57

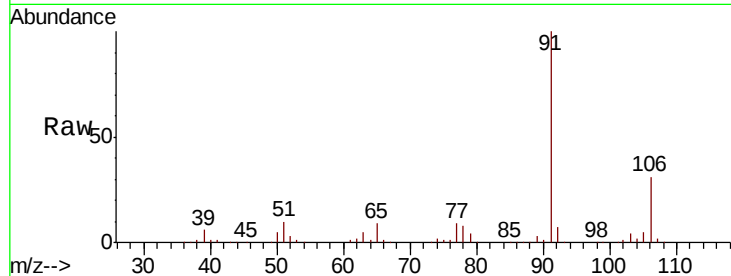
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 480660

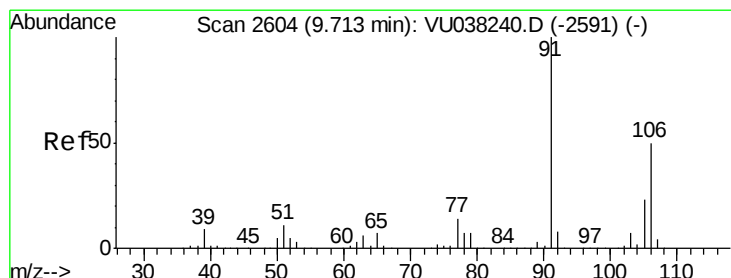
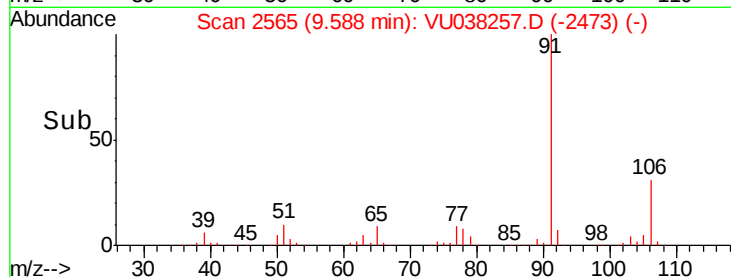
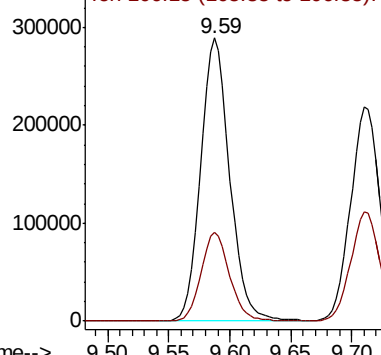
Ion Ratio Lower Upper

91 100

106 31.3 21.8 40.4



Abundance Ion 91.15 (90.85 to 91.85): VU038240.D (-2551) (-)



#53

m,p-Xylene

Concen: 4.317 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VU038257.D

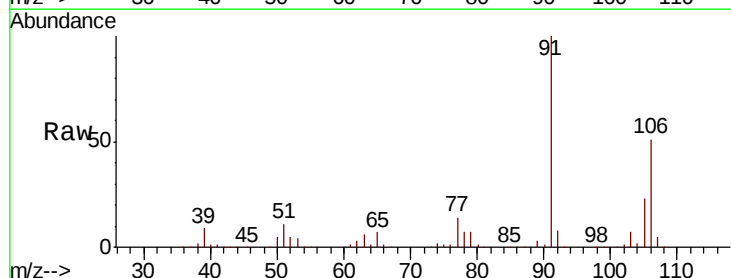
Acq: 20 May 2020 18:57

Tgt Ion: 106 Resp: 186782

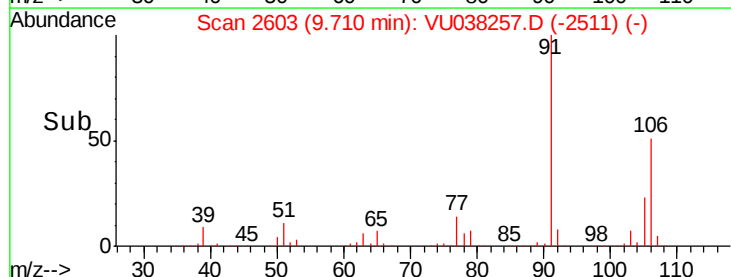
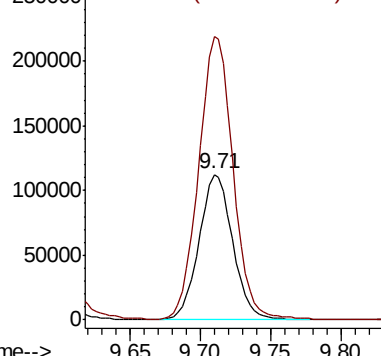
Ion Ratio Lower Upper

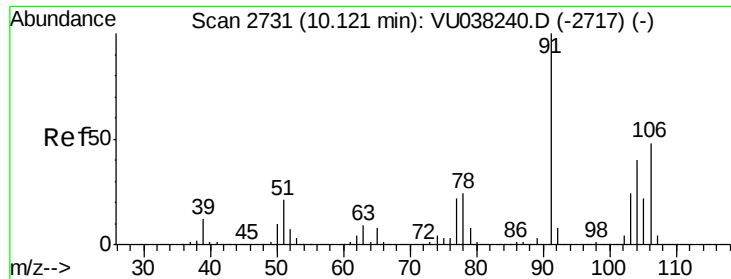
106 100

91 195.0 142.1 263.9



Abundance Ion 106.15 (105.85 to 106.85): VU038240.D (-2591) (-)

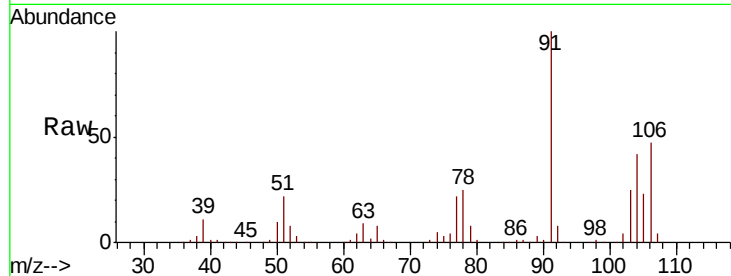




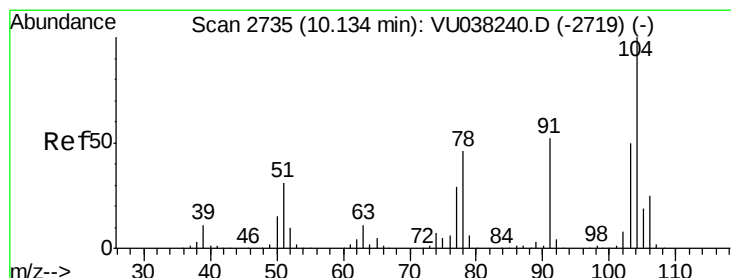
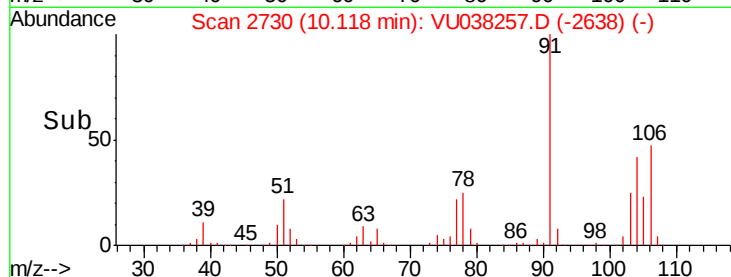
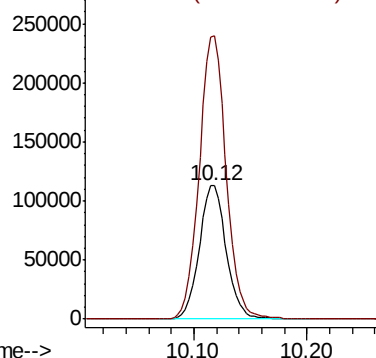
#54
o-Xylene
Concen: 4.478 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. -0.00 min
Lab File: VU038257.D
Acq: 20 May 2020 18:57

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 187325
Ion Ratio Lower Upper
106 100
91 211.9 148.5 275.9

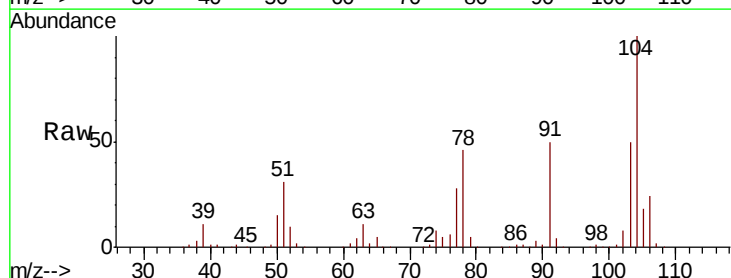


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

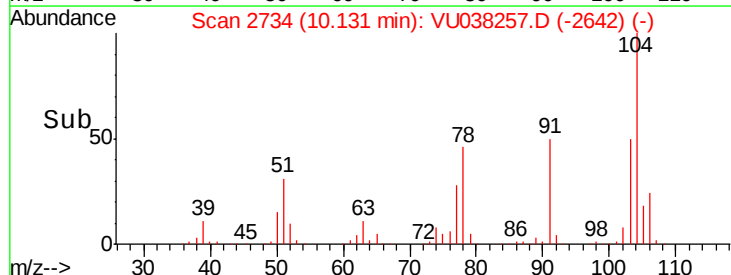
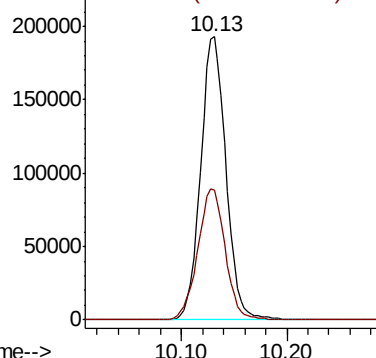


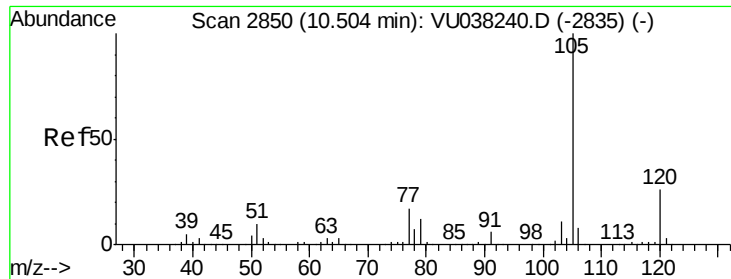
#55
Styrene
Concen: 4.550 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VU038257.D
Acq: 20 May 2020 18:57

Tgt Ion:104 Resp: 319518
Ion Ratio Lower Upper
104 100
78 45.9 32.3 59.9



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





#56

Isopropylbenzene

Concen: 4.282 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. -0.00 min

Lab File: VU038257.D

Acq: 20 May 2020 18:57

Instrument :

MSVOA_U

ClientSampleId :

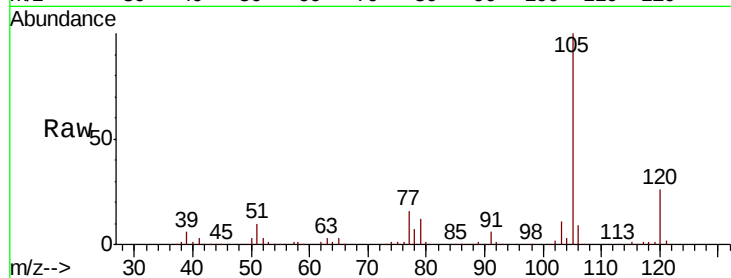
Tot Ion:105 Resp: 460123

Ion Ratio Lower Upper

105 100

120 26.0 21.0 31.6

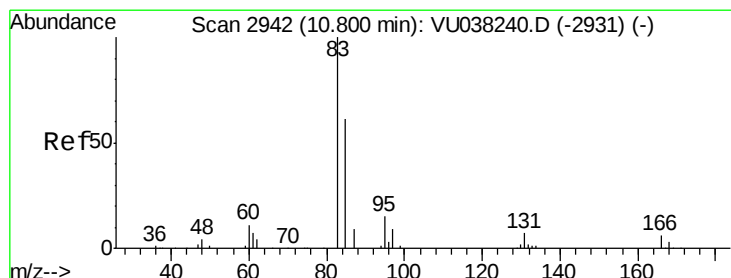
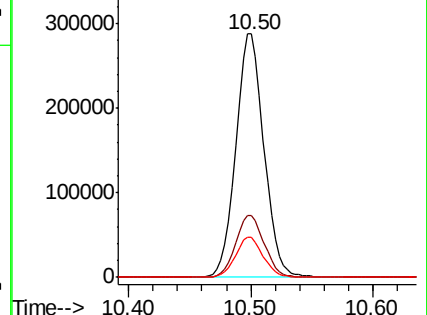
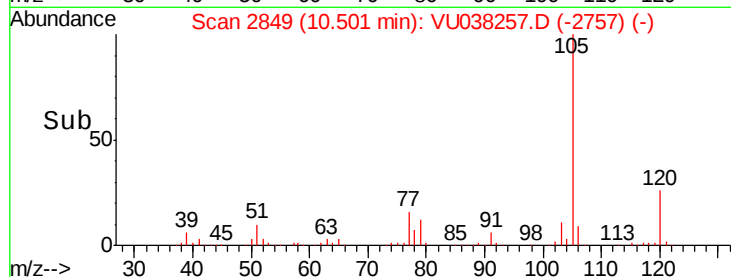
77 16.4 13.0 19.4



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: 5.151 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. -0.00 min

Lab File: VU038257.D

Acq: 20 May 2020 18:57

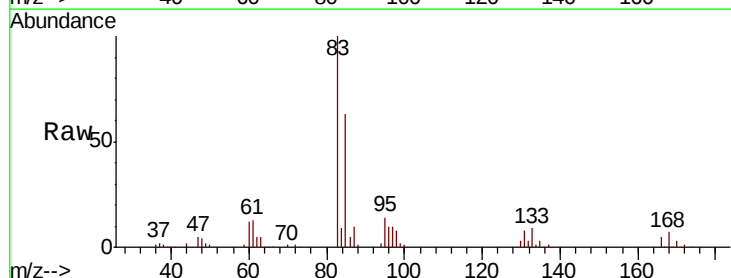
Tgt Ion: 83 Resp: 121711

Ion Ratio Lower Upper

83 100

85 62.7 47.0 87.2

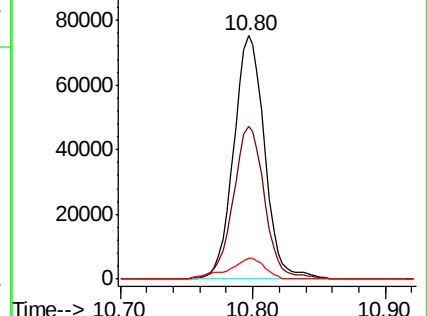
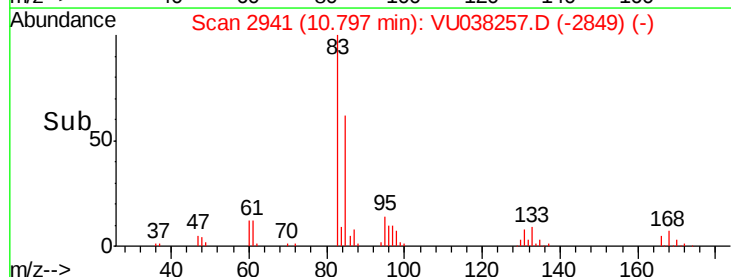
131 8.3 7.7 11.5

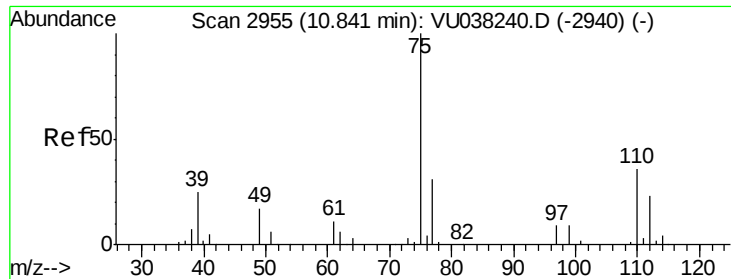


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.074 ug/L

RT: 10.84 min Scan# 2954

Delta R.T. -0.00 min

Lab File: VU038257.D

Acq: 20 May 2020 18:57

Instrument :

MSVOA_U

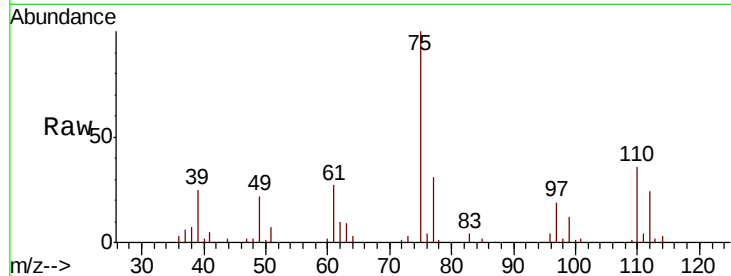
ClientSampled :

Tot Ion: 75 Resp: 91275

Ion Ratio Lower Upper

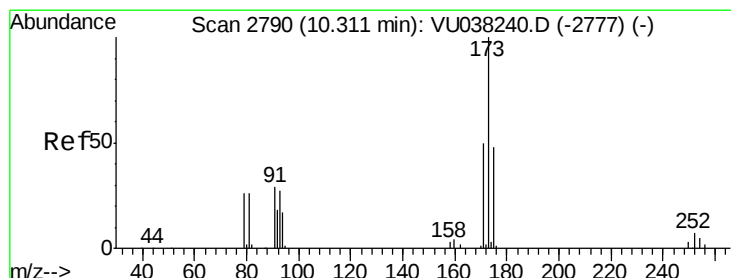
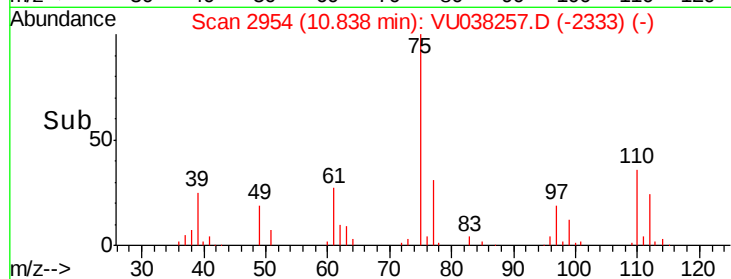
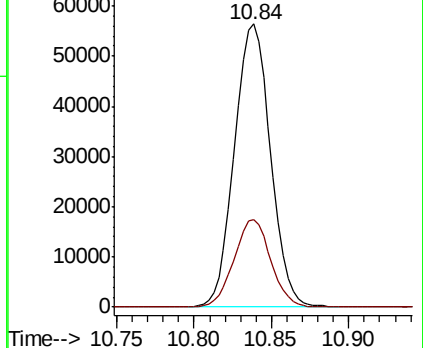
75 100

77 31.6 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VU038240.D (-2940) (-)

Ion 77.00 (76.70 to 77.70): VU038240.D (-2940) (-)



#61

Bromoform

Concen: 4.870 ug/L

RT: 10.31 min Scan# 2789

Delta R.T. -0.00 min

Lab File: VU038257.D

Acq: 20 May 2020 18:57

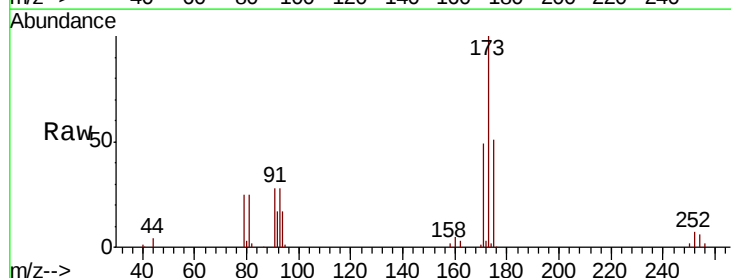
Tgt Ion: 173 Resp: 50040

Ion Ratio Lower Upper

173 100

175 48.9 39.5 59.3

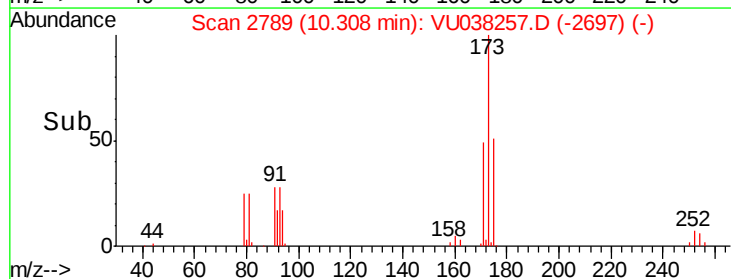
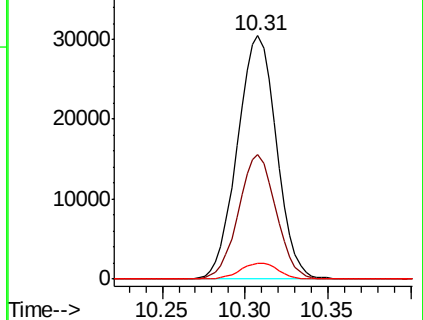
254 6.4 5.0 7.4

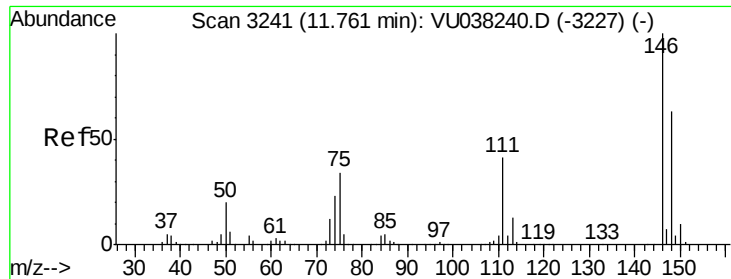


Abundance Ion 172.90 (172.60 to 173.60): VU038240.D (-2777) (-)

Ion 174.90 (174.60 to 175.60): VU038240.D (-2777) (-)

Ion 253.75 (253.45 to 254.45): VU038240.D (-2777) (-)

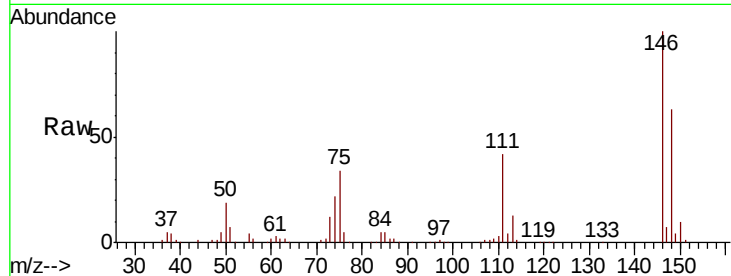




#62
 1,3-Dichlorobenzene
 Concen: 4.572 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. -0.00 min
 Lab File: VU038257.D
 Acq: 20 May 2020 18:57

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	28.6	53.2
148	62.6	45.2	84.0

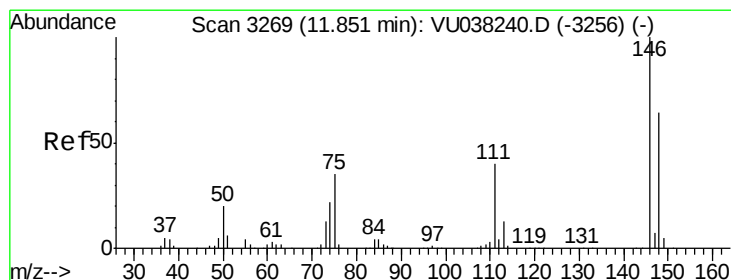
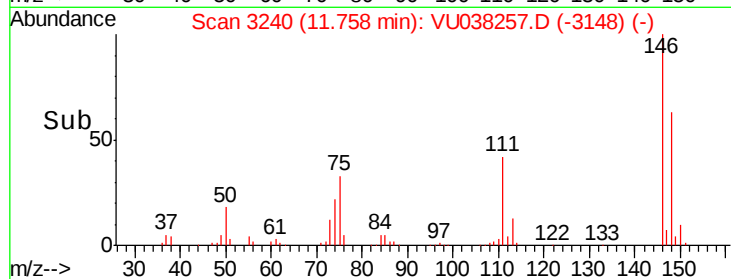
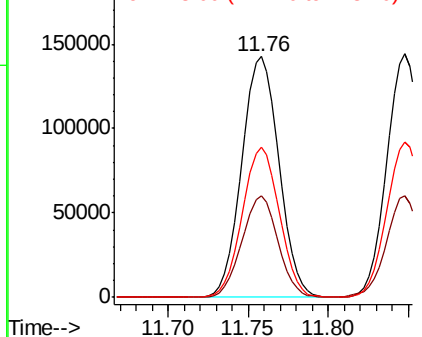


Abundance

Ion 145.95 (145.65 to 146.65): V

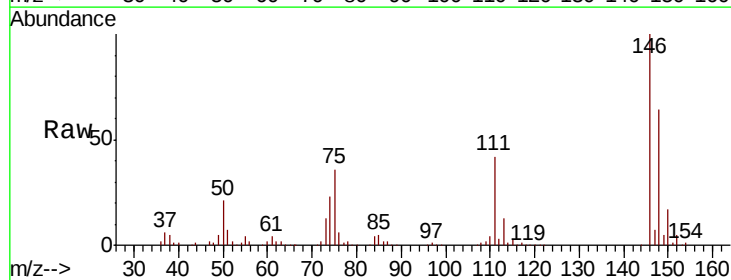
Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63
 1,4-Dichlorobenzene
 Concen: 4.515 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. -0.00 min
 Lab File: VU038257.D
 Acq: 20 May 2020 18:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	27.2	50.6
148	64.0	43.8	81.3

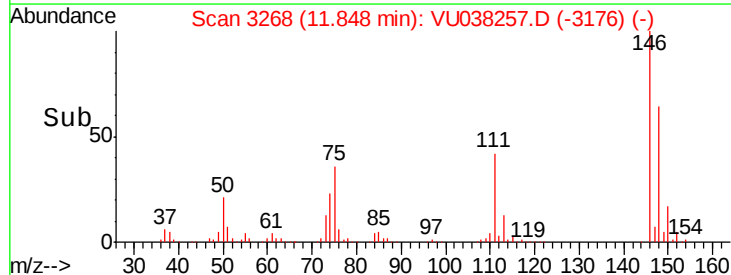
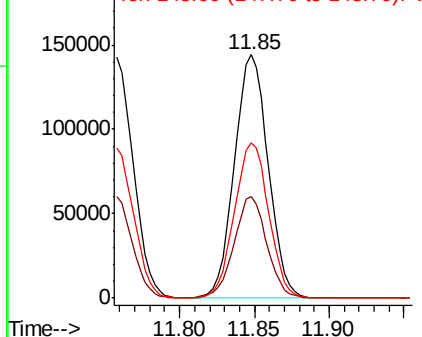


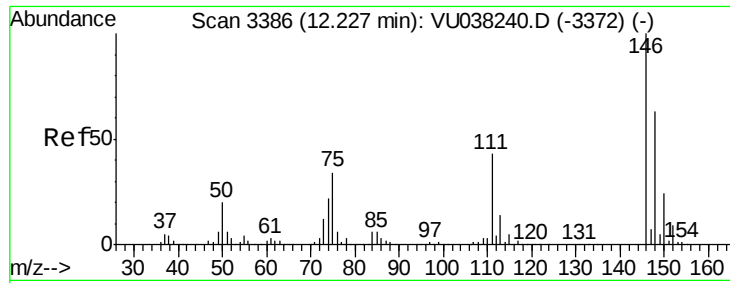
Abundance

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

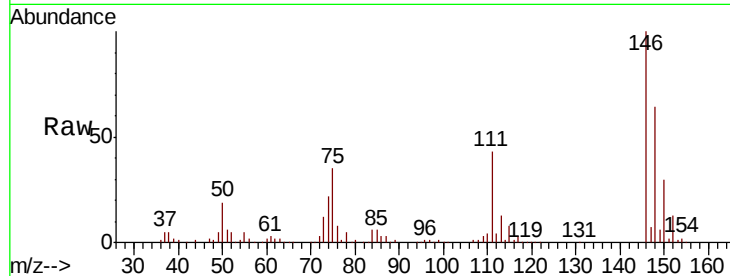




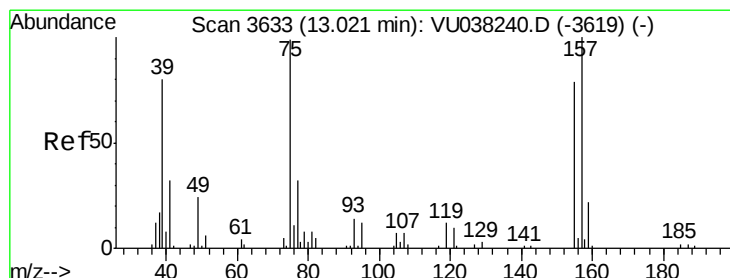
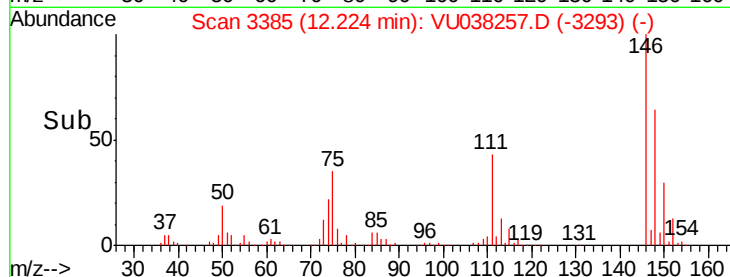
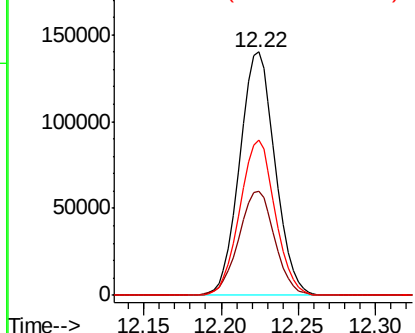
#65
 1,2-Dichlorobenzene
 Concen: 4.690 ug/L
 RT: 12.22 min Scan# 3385
 Delta R.T. -0.00 min
 Lab File: VU038257.D
 Acq: 20 May 2020 18:57

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:146 Resp: 223177
 Ion Ratio Lower Upper
 146 100
 111 42.7 35.3 52.9
 148 63.9 51.0 76.4

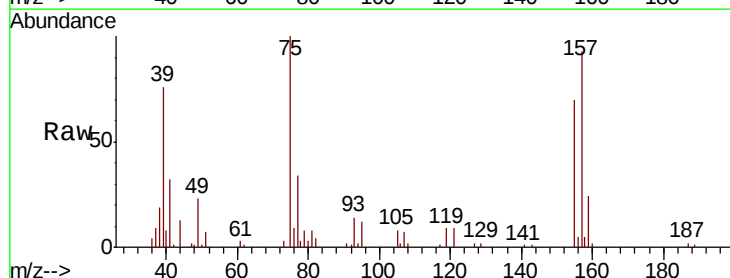


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

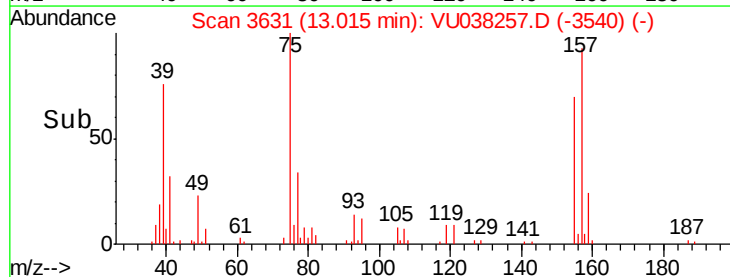
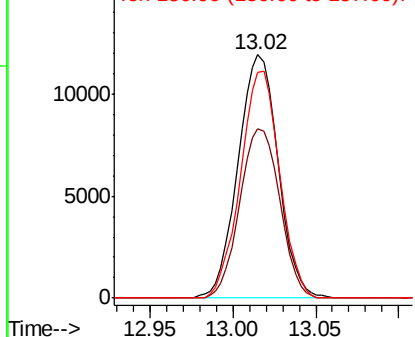


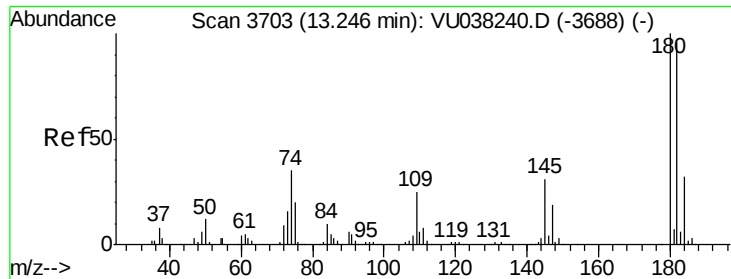
#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.155 ug/L
 RT: 13.02 min Scan# 3631
 Delta R.T. -0.01 min
 Lab File: VU038257.D
 Acq: 20 May 2020 18:57

Tgt Ion: 75 Resp: 20046
 Ion Ratio Lower Upper
 75 100
 155 69.8 58.2 87.2
 157 92.9 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

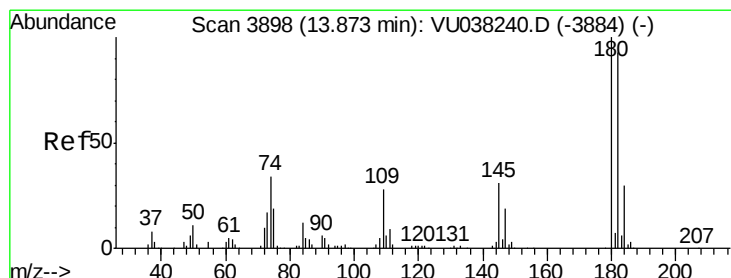
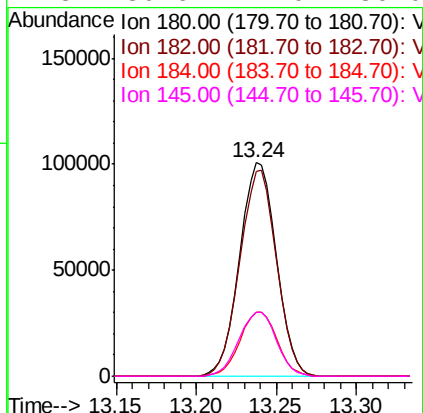
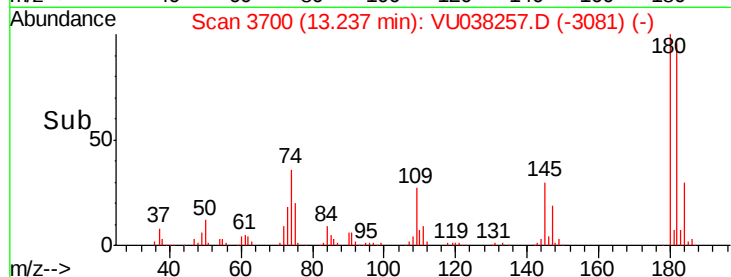
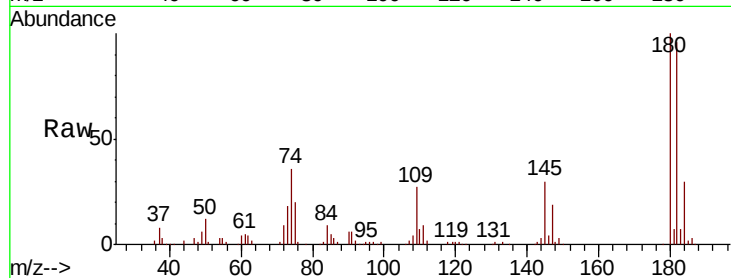




#67
 1,3,5-Trichlorobenzene
 Concen: 4.402 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. -0.01 min
 Lab File: VU038257.D
 Acq: 20 May 2020 18:57

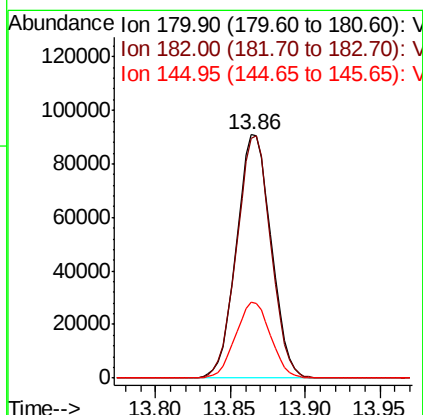
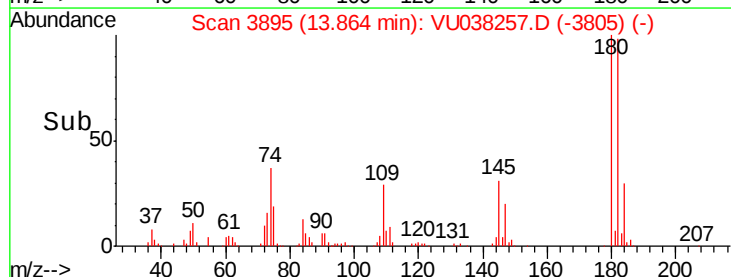
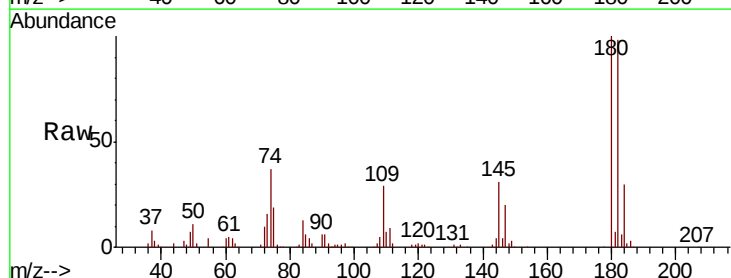
Instrument :
 MSVOA_U
 ClientSampleId :

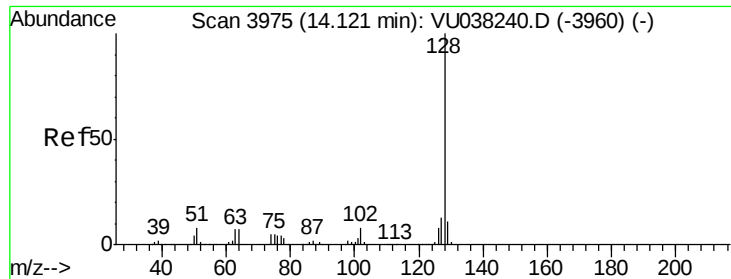
Tot Ion:	180	Resp:	157995
Ion	Ratio	Lower	Upper
180	100		
182	96.2	77.4	116.2
184	30.2	24.2	36.2
145	30.6	24.0	36.0



#68
 1,2,4-trichlorobenzene
 Concen: 4.514 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. -0.01 min
 Lab File: VU038257.D
 Acq: 20 May 2020 18:57

Tgt Ion:	180	Resp:	146918
Ion	Ratio	Lower	Upper
180	100		
182	97.6	75.0	112.6
145	31.3	24.8	37.2





#69

Naphthalene

Concen: 4.868 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.01 min

Lab File: VU038257.D

Acq: 20 May 2020 18:57

Instrument :

MSVOA_U

ClientSampled :

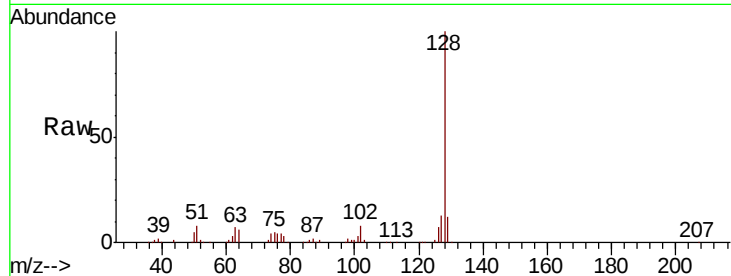
Tot Ion:128 Resp: 333603

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

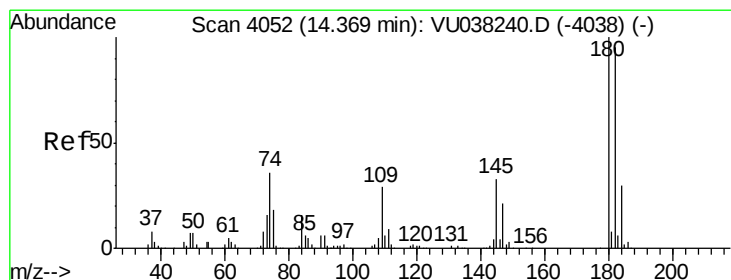
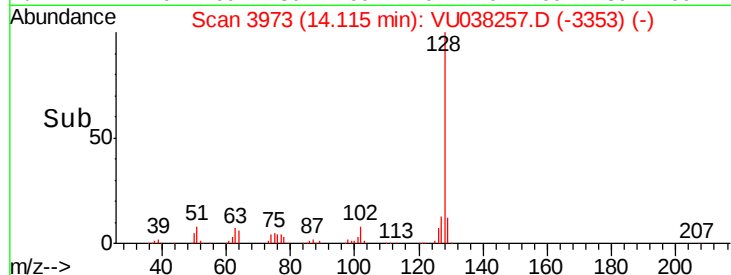
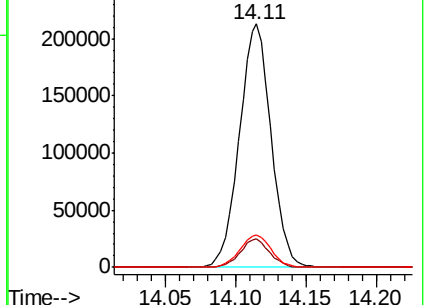
127 13.3 10.2 15.4



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: 4.747 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. -0.01 min

Lab File: VU038257.D

Acq: 20 May 2020 18:57

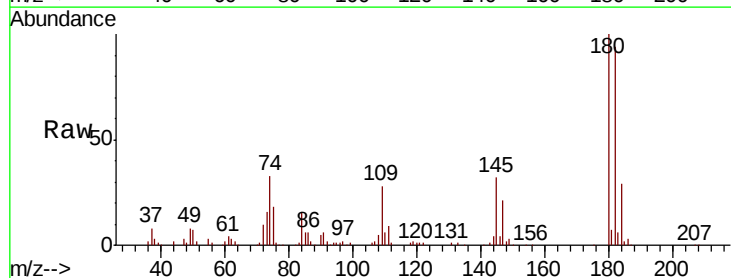
Tgt Ion:180 Resp: 143622

Ion Ratio Lower Upper

180 100

182 92.8 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

