

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU053120\
 Data File : VU038411.D
 Acq On : 30 May 2020 13:48
 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 02:12:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Jun 01 02:06:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	333371	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	318003	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	158953	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	109601	5.08	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.60%
7) Chloroethane-d5	1.93	69	85474	5.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.00%
11) 1,1-Dichloroethene-d2	2.59	63	215371	5.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	101.40%
20) 2-Butanone-d5	4.69	46	335549	51.19	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.38%
24) Chloroform-d	5.10	84	204827	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.00%
26) 1,2-Dichloroethane-d4	5.74	65	114922	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.80%
32) Benzene-d6	5.76	84	411921	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.80%
36) 1,2-Dichloropropane-d6	6.72	67	125574	5.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.80%
41) Toluene-d8	7.92	98	365759	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.80%
43) trans-1,3-Dichloropropene-	8.20	79	54149	5.16	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.20%
46) 2-Hexanone-d5	8.66	63	284658	54.90	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.80%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	108000	5.21	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.20%
64) 1,2-Dichlorobenzene-d4	12.20	152	141385	5.16	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	132017	5.025	ug/L	98
3) Chloromethane	1.53	50	117444	4.867	ug/L	99
5) Vinyl chloride	1.62	62	130421	5.045	ug/L	98
6) Bromomethane	1.88	94	66938	5.333	ug/L	98
8) Chloroethane	1.95	64	77071	4.975	ug/L	99
9) Trichlorofluoromethane	2.16	101	169591	4.945	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	100055	4.954	ug/L	99
12) 1,1-Dichloroethene	2.61	96	100243	4.883	ug/L	95
13) Acetone	2.69	43	204253	47.618	ug/L	83
14) Carbon disulfide	2.82	76	346765	4.978	ug/L	99
15) Methyl Acetate	2.99	43	54975	5.231	ug/L	95
16) Methylene chloride	3.08	84	115115	4.955	ug/L	99
17) Methyl tert-butyl Ether	3.40	73	280659	5.214	ug/L	100
18) trans-1,2-Dichloroethene	3.39	96	110908	5.013	ug/L	100
19) 1,1-Dichloroethane	3.91	63	202030	5.102	ug/L	97
21) 2-Butanone	4.76	43	373326	51.745	ug/L	95
22) cis-1,2-Dichloroethene	4.71	96	120774	5.069	ug/L	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU053120\
 Data File : VU038411.D
 Acq On : 30 May 2020 13:48
 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 02:12:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Jun 01 02:06:52 2020
 Response via : Initial Calibration

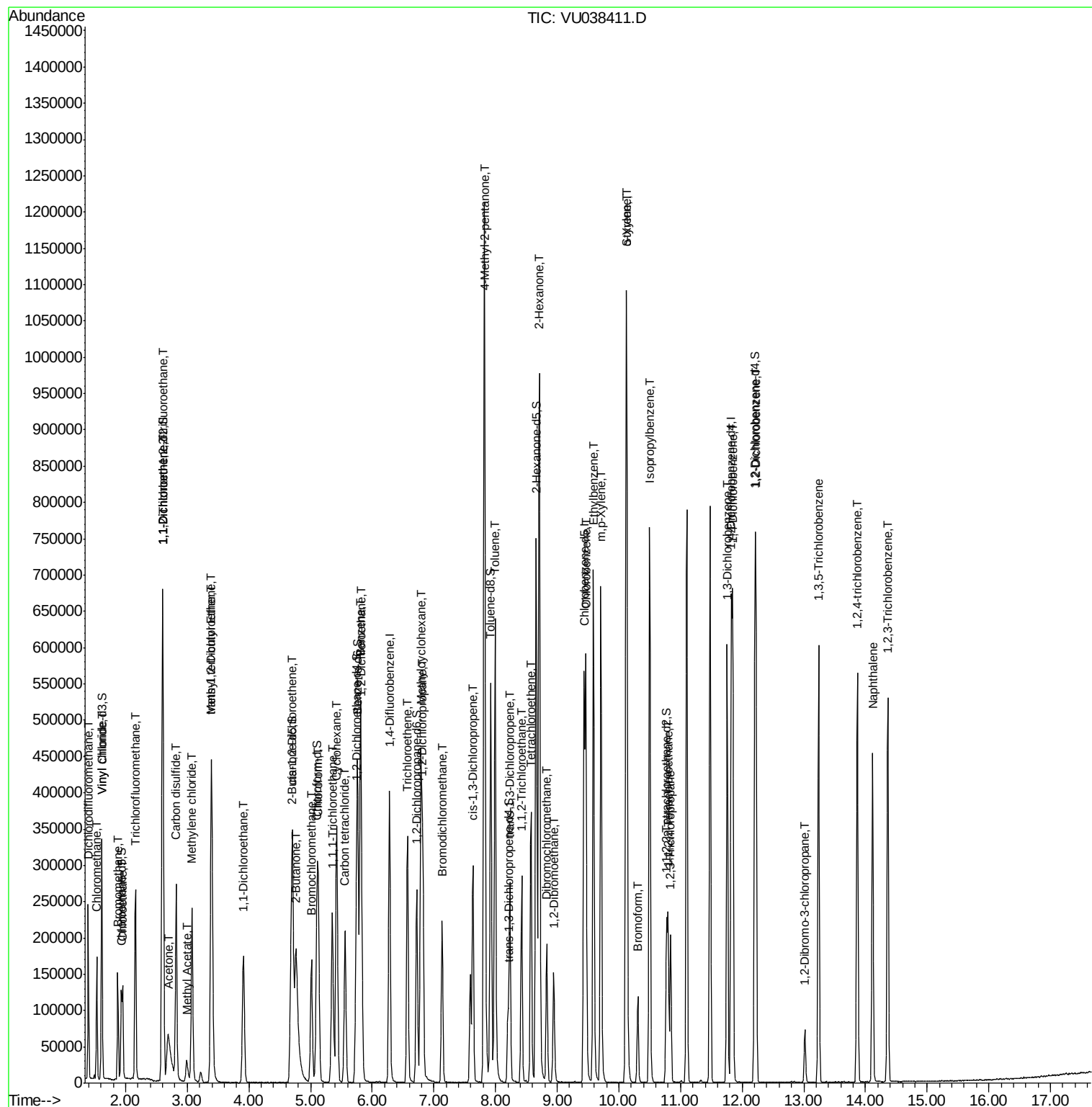
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	52647	4.910	ug/L	91
25) Chloroform	5.13	83	203563	5.061	ug/L	97
27) 1,2-Dichloroethane	5.83	62	144030	5.086	ug/L	100
29) 1,1,1-Trichloroethane	5.35	97	175926	5.228	ug/L	98
30) Cyclohexane	5.42	56	183645	5.205	ug/L	97
31) Carbon tetrachloride	5.56	117	143355	5.117	ug/L	99
33) Benzene	5.81	78	454295	5.123	ug/L	100
34) Trichloroethene	6.57	95	116352	5.055	ug/L	98
35) Methylcyclohexane	6.79	83	183448	5.148	ug/L	99
37) 1,2-Dichloropropane	6.82	63	114742	5.142	ug/L	100
38) Bromodichloromethane	7.13	83	144041	5.198	ug/L	100
39) cis-1,3-Dichloropropene	7.63	75	177304	5.376	ug/L	98
40) 4-Methyl-2-pentanone	7.82	43	861024	53.955	ug/L	100
42) Toluene	7.99	91	476978	5.128	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	150582	5.170	ug/L	100
45) 1,1,2-Trichloroethane	8.42	97	86892	5.162	ug/L	97
47) Tetrachloroethene	8.57	164	83435	4.990	ug/L	96
48) 2-Hexanone	8.71	43	647510	53.578	ug/L	100
49) Dibromochloromethane	8.83	129	97593	5.371	ug/L	98
50) 1,2-Dibromoethane	8.94	107	85043	5.276	ug/L	100
51) Chlorobenzene	9.47	112	303260	5.056	ug/L	98
52) Ethylbenzene	9.59	91	524030	5.064	ug/L	99
53) m,p-Xylene	9.71	106	203251	5.107	ug/L	97
54) o-Xylene	10.12	106	198527	5.196	ug/L	99
55) Styrene	10.13	104	335771	5.178	ug/L	99
56) Isopropylbenzene	10.50	105	506041	5.033	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	110962	5.187	ug/L	97
59) 1,2,3-Trichloropropane	10.84	75	86135	5.172	ug/L	99
61) Bromoform	10.31	173	53176	5.370	ug/L	98
62) 1,3-Dichlorobenzene	11.76	146	240616	5.152	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	238656	5.039	ug/L	98
65) 1,2-Dichlorobenzene	12.22	146	228760	5.158	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	19400	5.403	ug/L	98
67) 1,3,5-Trichlorobenzene	13.24	180	177204	5.086	ug/L	98
68) 1,2,4-trichlorobenzene	13.87	180	168699	5.231	ug/L	99
69) Naphthalene	14.11	128	357441	5.569	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	154850	5.277	ug/L	99

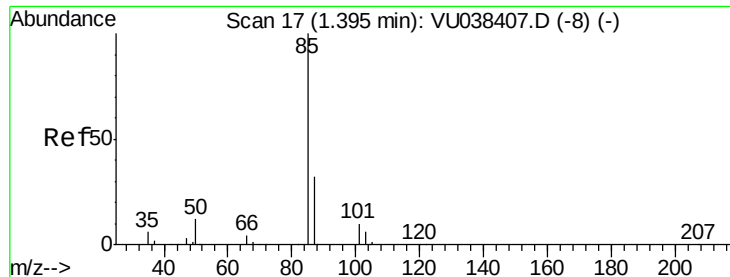
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU053120\
Data File : VU038411.D
Acq On : 30 May 2020 13:48
Operator : JC/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampled :

Quant Time: Jun 01 02:12:03 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Jun 01 02:06:52 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.025 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU038411.D

Acq: 30 May 2020 13:48

Instrument :

MSVOA_U

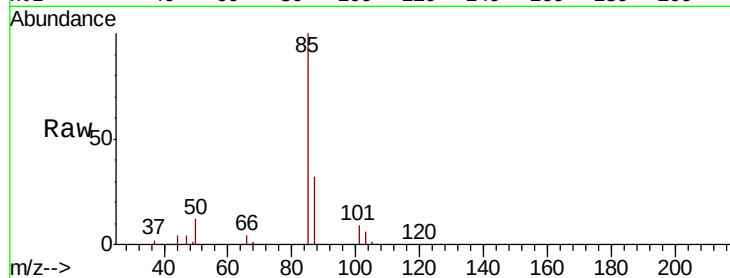
ClientSampled :

Tot Ion: 85 Resp: 132017

Ion Ratio Lower Upper

85 100

87 32.7 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU038407.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU038407.D (-8) (-)

1.39

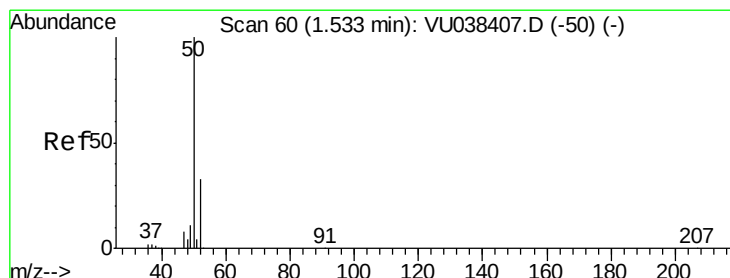
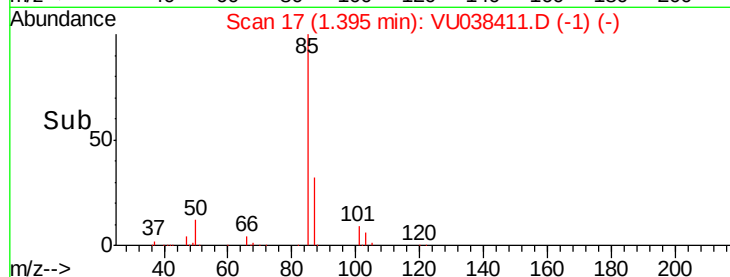
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 4.867 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU038411.D

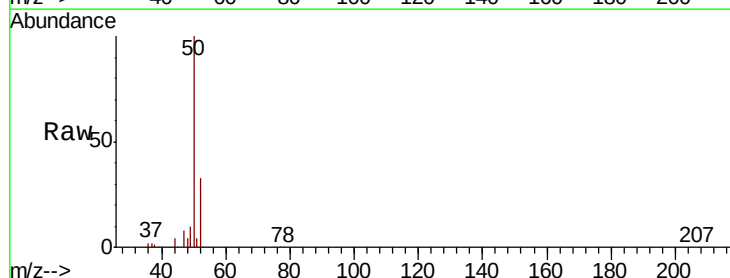
Acq: 30 May 2020 13:48

Tgt Ion: 50 Resp: 117444

Ion Ratio Lower Upper

50 100

52 33.1 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VU038407.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU038407.D (-50) (-)

1.53

120000

100000

80000

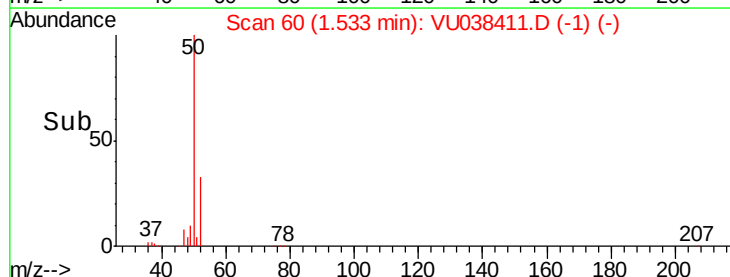
60000

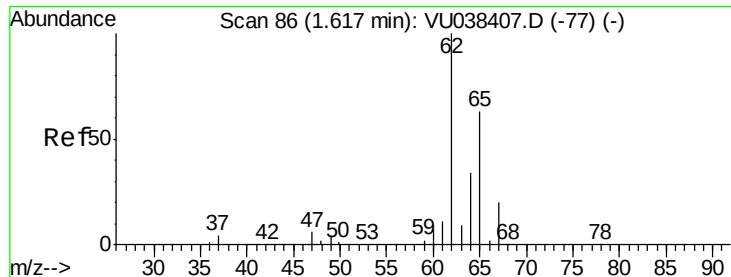
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 5.045 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU038411.D

Acq: 30 May 2020 13:48

Instrument :

MSVOA_U

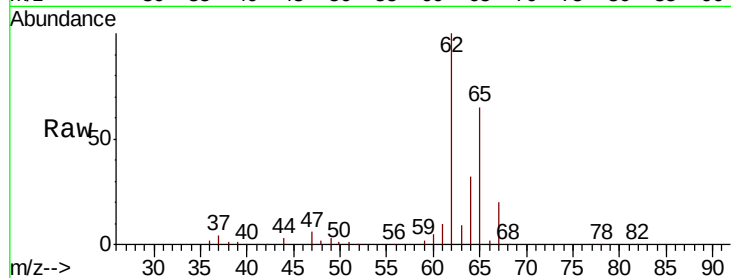
ClientSampleId :

Tot Ion: 62 Resp: 130421

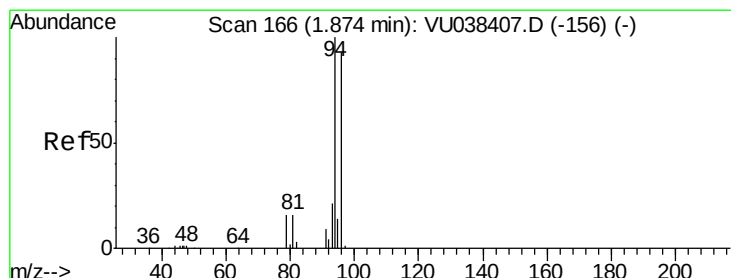
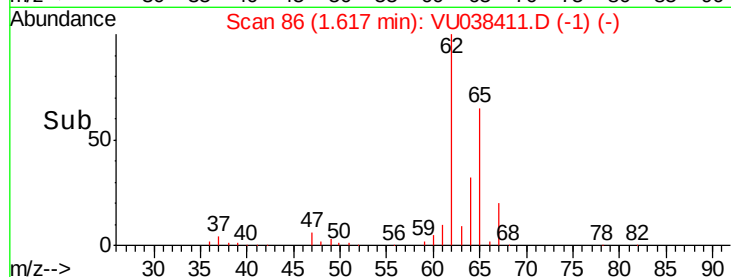
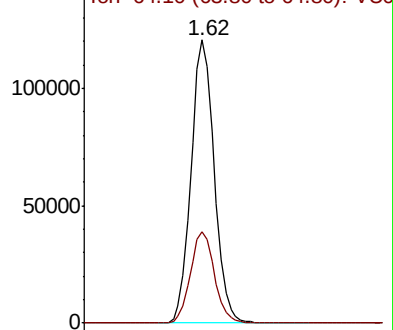
Ion Ratio Lower Upper

62 100

64 32.5 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VU038411.D (-1) (-)



#6

Bromomethane

Concen: 5.333 ug/L

RT: 1.88 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU038411.D

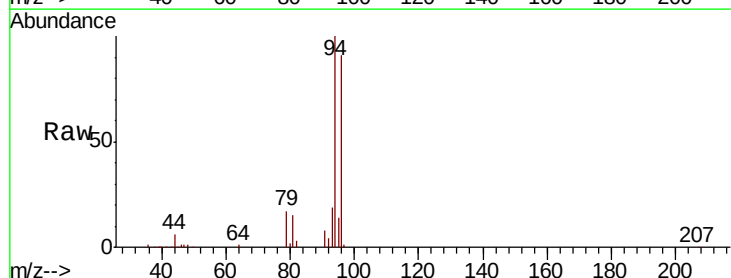
Acq: 30 May 2020 13:48

Tgt Ion: 94 Resp: 66938

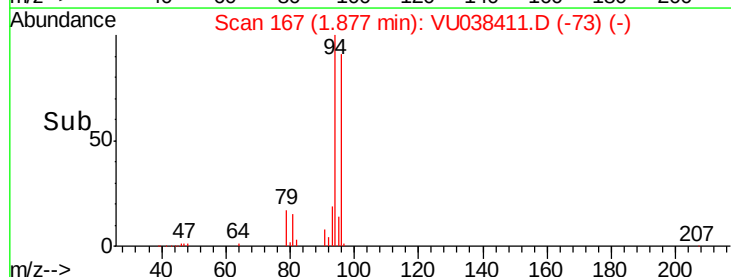
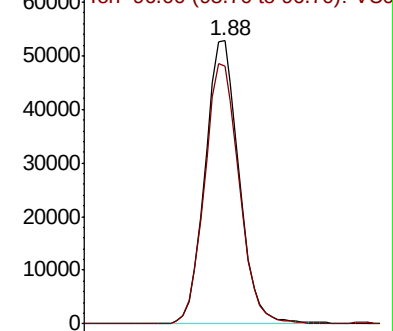
Ion Ratio Lower Upper

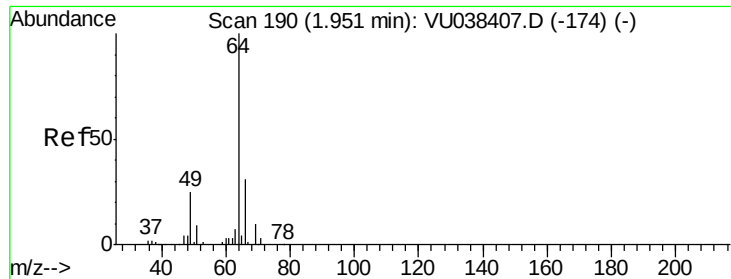
94 100

96 91.2 65.5 121.6



Abundance Ion 94.00 (93.70 to 94.70): VU038411.D (-73) (-)





#8

Chloroethane

Concen: 4.975 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU038411.D

Acq: 30 May 2020 13:48

Instrument :

MSVOA_U

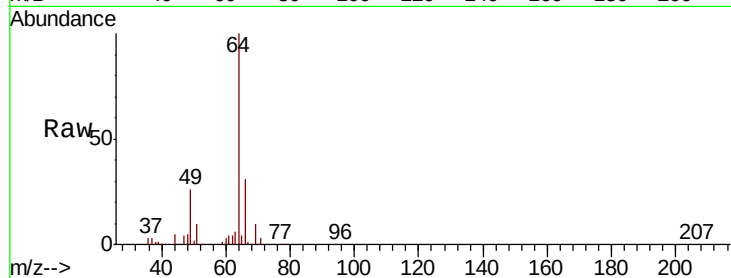
ClientSampleId :

Tot Ion: 64 Resp: 77071

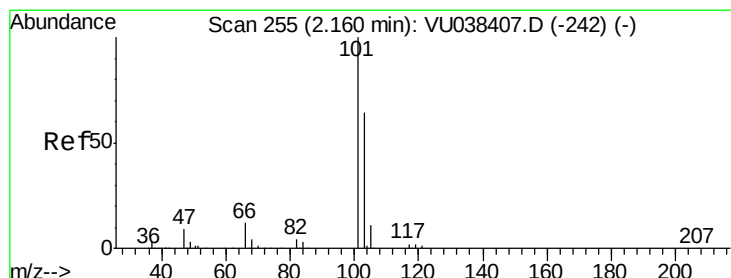
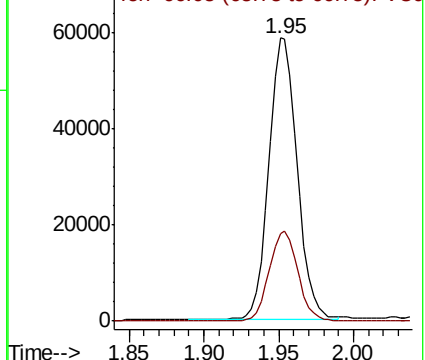
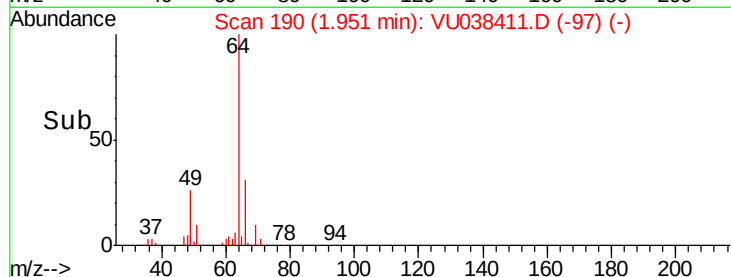
Ion Ratio Lower Upper

64 100

66 31.1 21.5 39.9



Abundance Ion 64.10 (63.80 to 64.80): VU038411.D (-97) (-)



#9

Trichlorofluoromethane

Concen: 4.945 ug/L

RT: 2.16 min Scan# 255

Delta R.T. -0.00 min

Lab File: VU038411.D

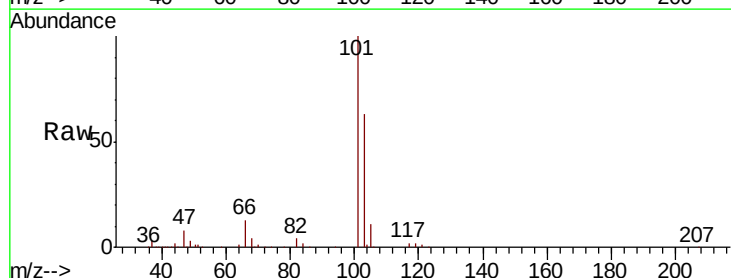
Acq: 30 May 2020 13:48

Tgt Ion:101 Resp: 169591

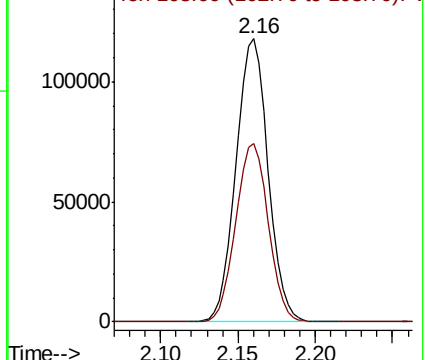
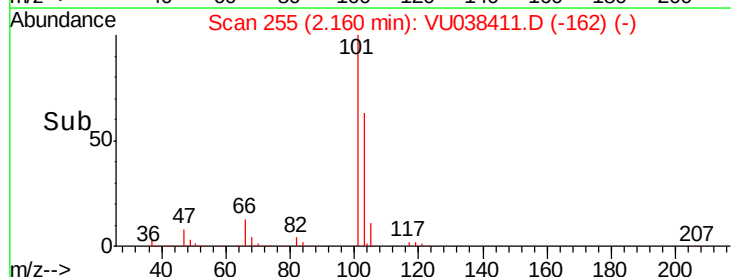
Ion Ratio Lower Upper

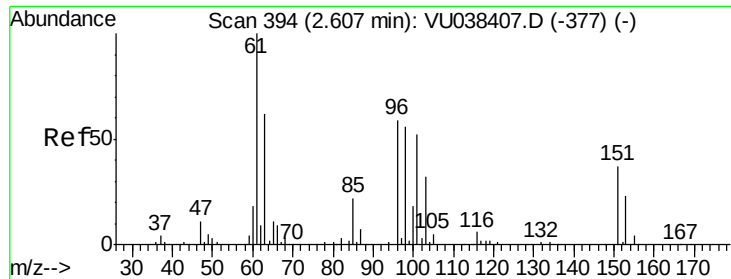
101 100

103 64.0 51.1 76.7



Abundance Ion 101.00 (100.70 to 101.70): VU038411.D (-162) (-)





#10

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

Concen: 4.954 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU038411.D

Acq: 30 May 2020 13:48

Instrument :

MSVOA_U

ClientSampleId :

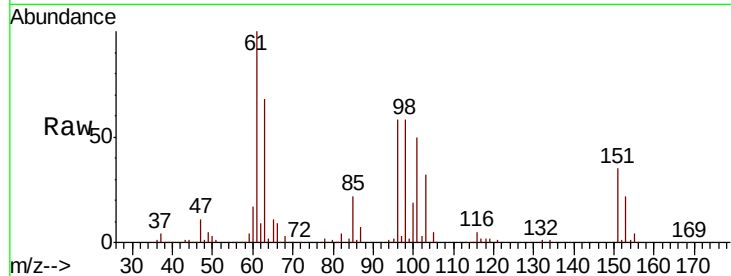
Tot Ion:101 Resp: 100055

Ion Ratio Lower Upper

101 100

85 43.2 34.0 51.0

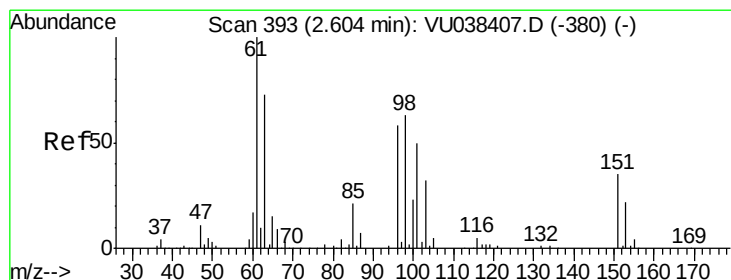
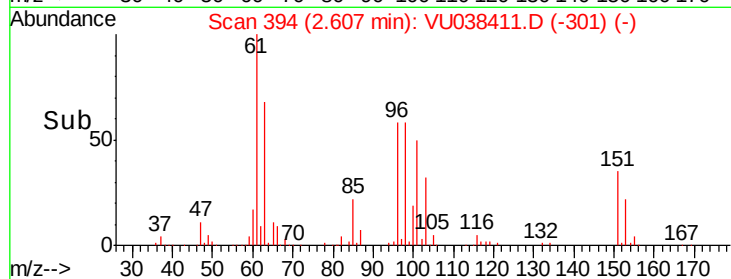
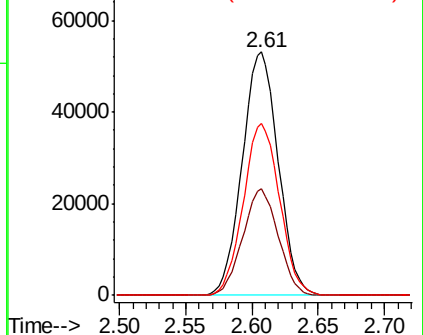
151 71.4 56.9 85.3



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: 4.883 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038411.D

Acq: 30 May 2020 13:48

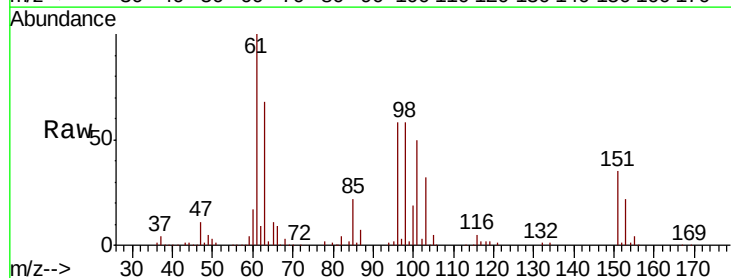
Tgt Ion: 96 Resp: 100243

Ion Ratio Lower Upper

96 100

61 173.8 119.9 222.7

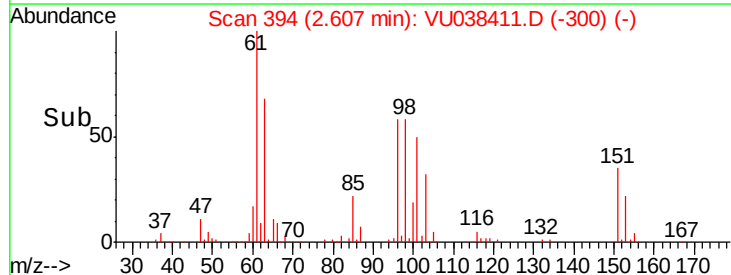
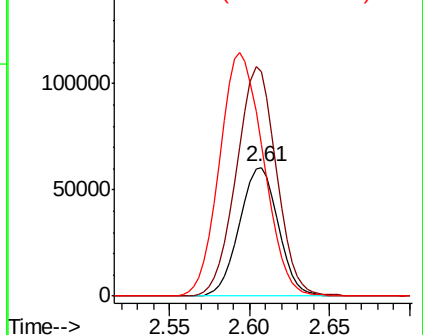
63 117.4 89.9 167.0

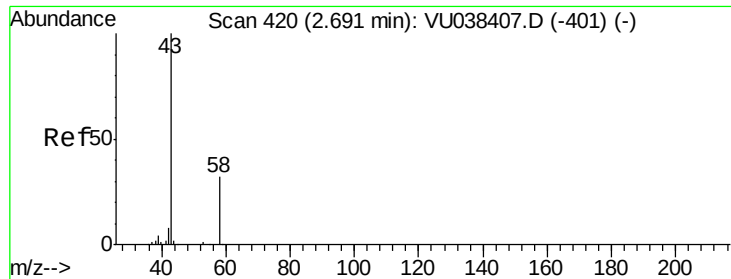


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 47.618 ug/L

RT: 2.69 min Scan# 420

Delta R.T. -0.00 min

Lab File: VU038411.D

Acq: 30 May 2020 13:48

Instrument :

MSVOA_U

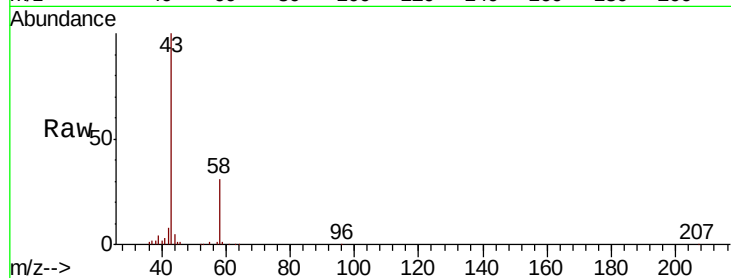
ClientSampleId :

Tot Ion: 43 Resp: 204253

Ion Ratio Lower Upper

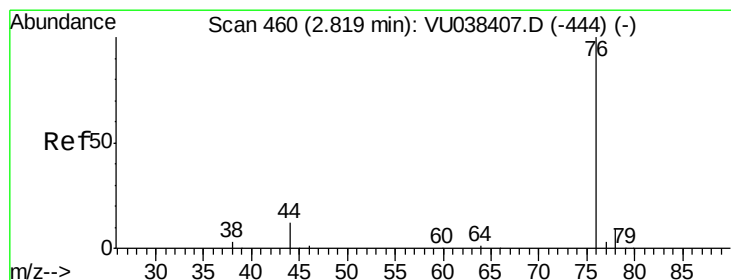
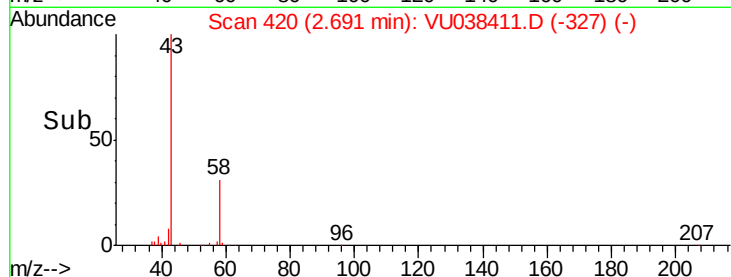
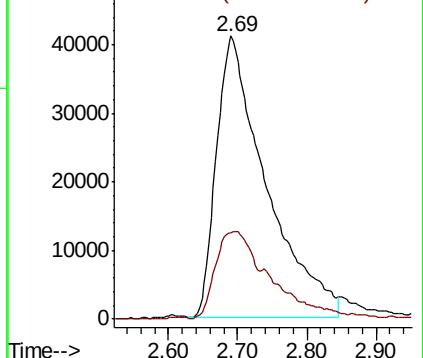
43 100

58 23.3 0.0 65.6



Abundance Ion 43.05 (42.75 to 43.75): VU038411.D (-327) (-)

Ion 58.05 (57.75 to 58.75): VU038411.D (-327) (-)



#14

Carbon disulfide

Concen: 4.978 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU038411.D

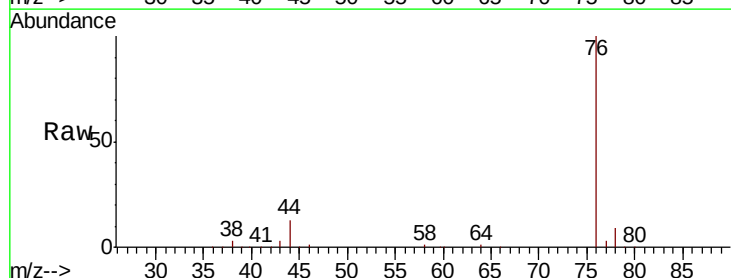
Acq: 30 May 2020 13:48

Tgt Ion: 76 Resp: 346765

Ion Ratio Lower Upper

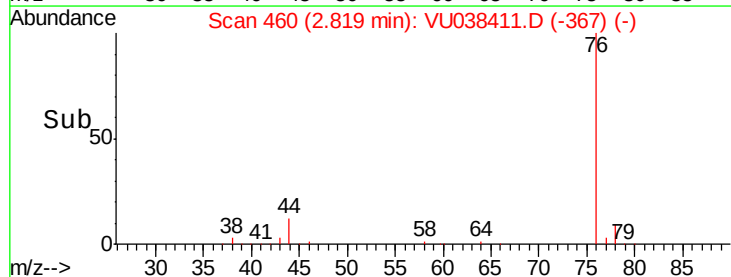
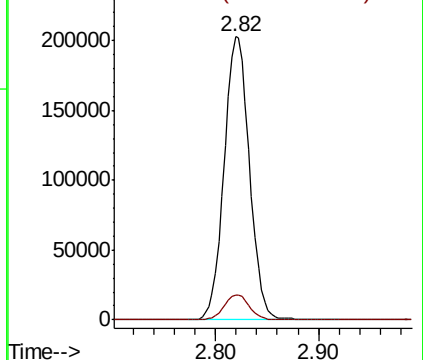
76 100

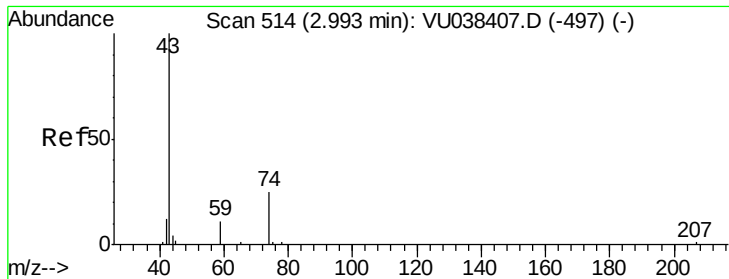
78 8.9 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VU038411.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VU038411.D (-367) (-)

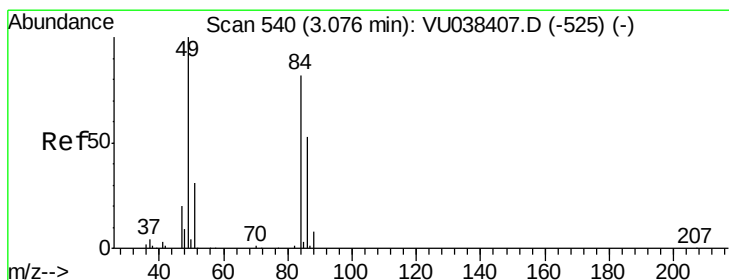
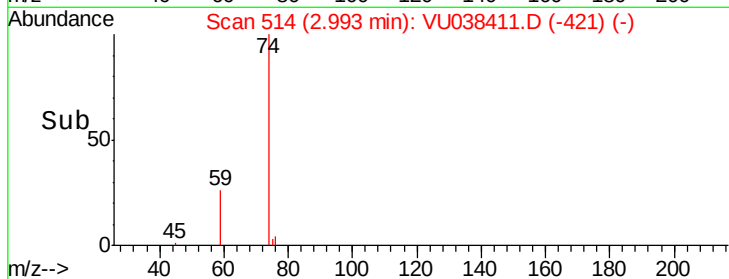
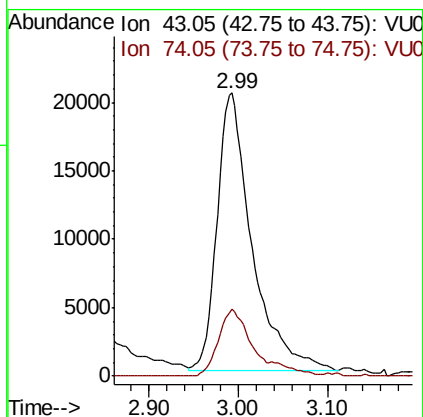
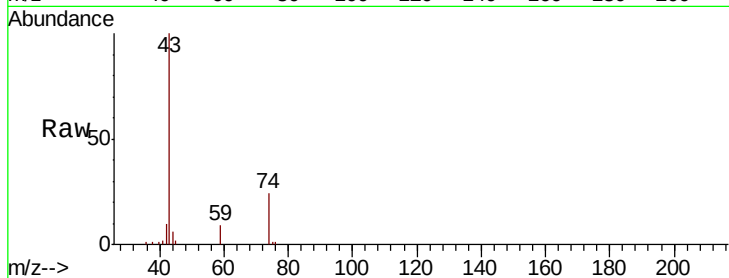




#15
Methvl Acetate
Concen: 5.231 ug/L
RT: 2.99 min Scan# 514
Delta R.T. -0.00 min
Lab File: VU038411.D
Acq: 30 May 2020 13:48

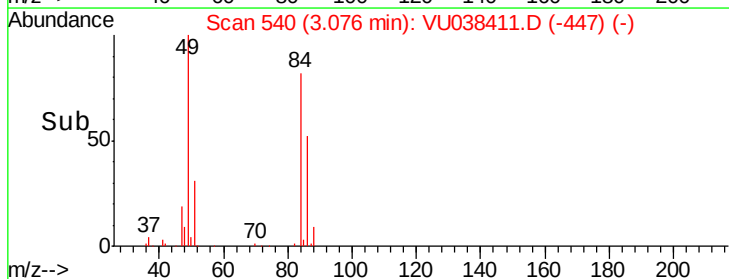
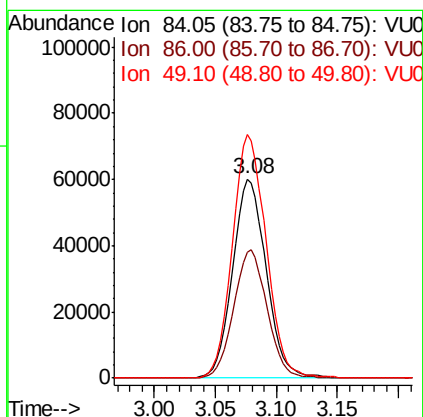
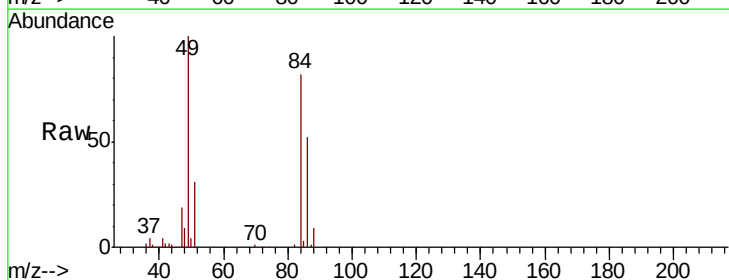
Instrument :
MSVOA_U
ClientSampled :

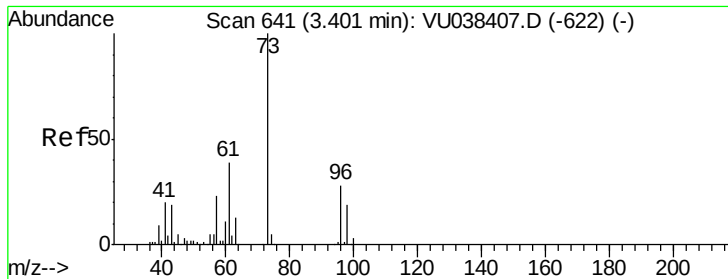
Tot Ion: 43 Resp: 54975
Ion Ratio Lower Upper
43 100
74 21.6 19.2 28.8



#16
Methylene chloride
Concen: 4.955 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU038411.D
Acq: 30 May 2020 13:48

Tgt Ion: 84 Resp: 115115
Ion Ratio Lower Upper
84 100
86 63.1 45.0 83.6
49 122.3 85.5 158.9

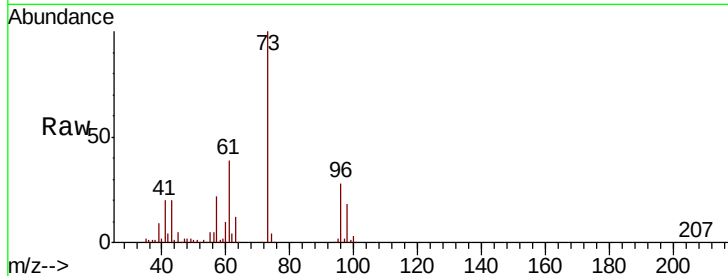




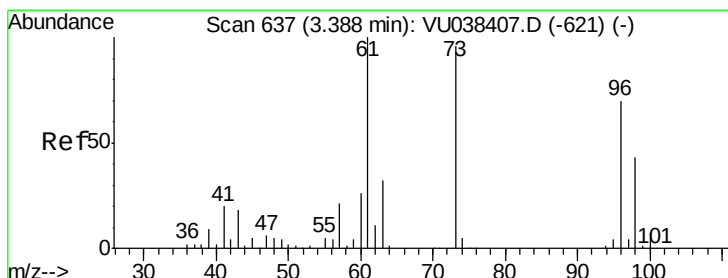
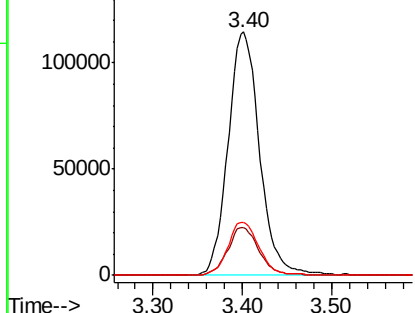
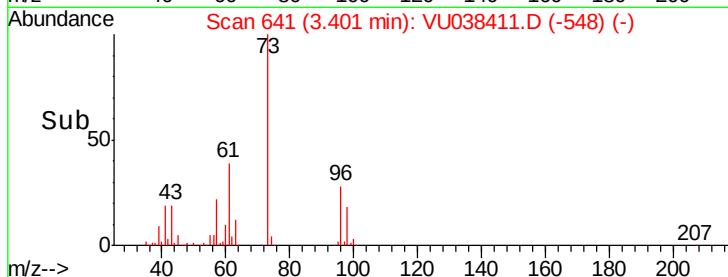
#17
Methyl tert-butyl Ether
Concen: 5.214 ug/L
RT: 3.40 min Scan# 641
Delta R.T. -0.00 min
Lab File: VU038411.D
Acq: 30 May 2020 13:48

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 280659
Ion Ratio Lower Upper
73 100
43 19.4 15.5 23.3
57 21.9 17.8 26.6

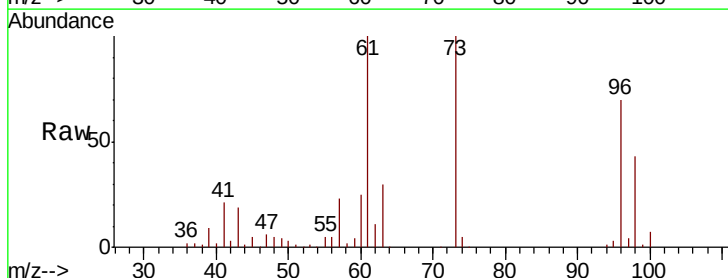


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

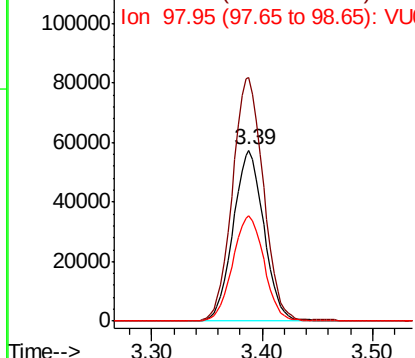
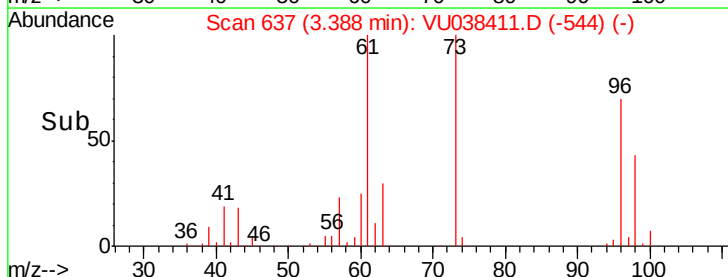


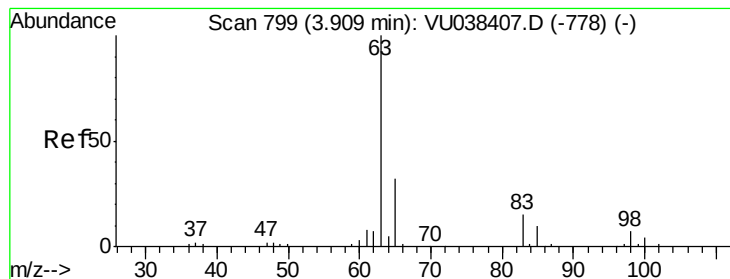
#18
trans-1,2-Dichloroethene
Concen: 5.013 ug/L
RT: 3.39 min Scan# 637
Delta R.T. -0.00 min
Lab File: VU038411.D
Acq: 30 May 2020 13:48

Tgt Ion: 96 Resp: 110908
Ion Ratio Lower Upper
96 100
61 142.5 100.2 186.0
98 61.3 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: 5.102 ug/L

RT: 3.91 min Scan# 799

Delta R.T. -0.00 min

Lab File: VU038411.D

Acq: 30 May 2020 13:48

Instrument :

MSVOA_U

ClientSampleId :

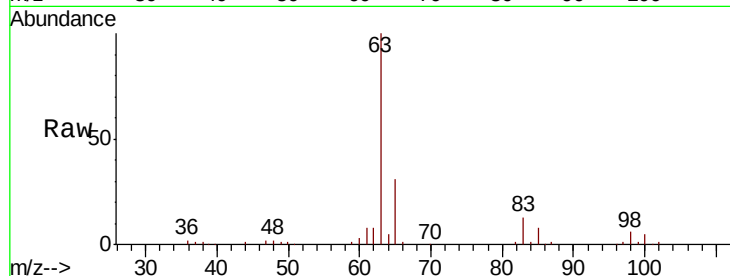
Tot Ion: 63 Resp: 202030

Ion Ratio Lower Upper

63 100

65 30.8 22.3 41.5

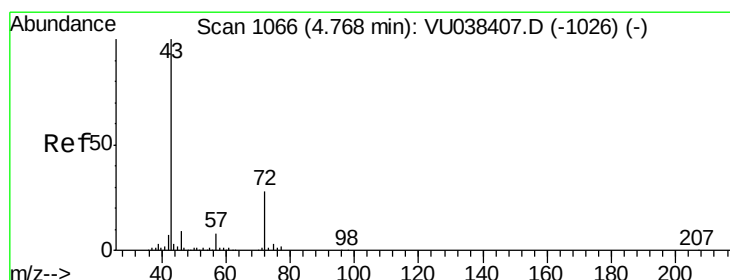
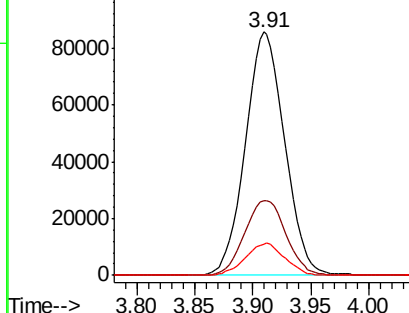
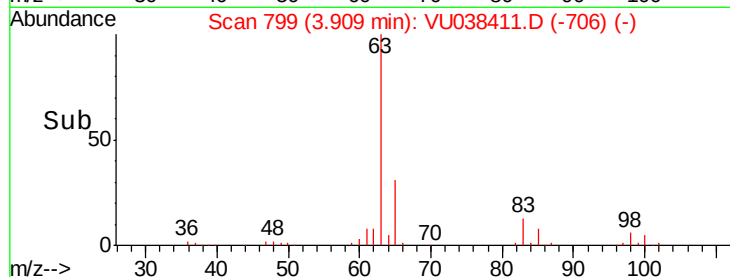
83 12.9 10.4 19.4



Abundance Ion 63.10 (62.80 to 63.80): VU038411.D (-706) (-)

Ion 65.10 (64.80 to 65.80): VU038411.D (-706) (-)

Ion 83.05 (82.75 to 83.75): VU038411.D (-706) (-)



#21

2-Butanone

Concen: 51.745 ug/L

RT: 4.76 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VU038411.D

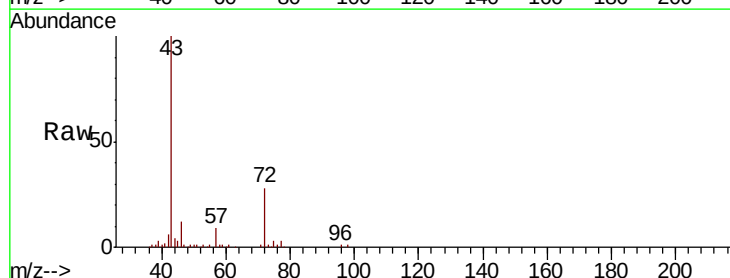
Acq: 30 May 2020 13:48

Tgt Ion: 43 Resp: 373326

Ion Ratio Lower Upper

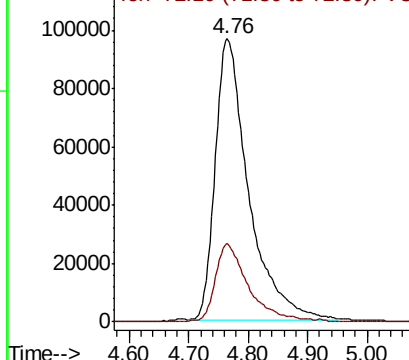
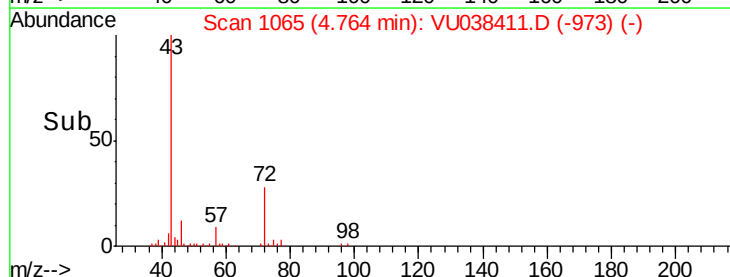
43 100

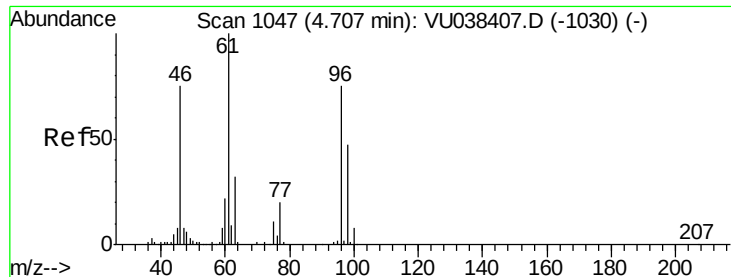
72 27.7 12.6 37.8



Abundance Ion 43.05 (42.75 to 43.75): VU038411.D (-973) (-)

Ion 72.10 (71.80 to 72.80): VU038411.D (-973) (-)





#22

cis-1,2-Dichloroethene

Concen: 5.069 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU038411.D

Acq: 30 May 2020 13:48

Instrument :
MSVOA_U
ClientSampleId :

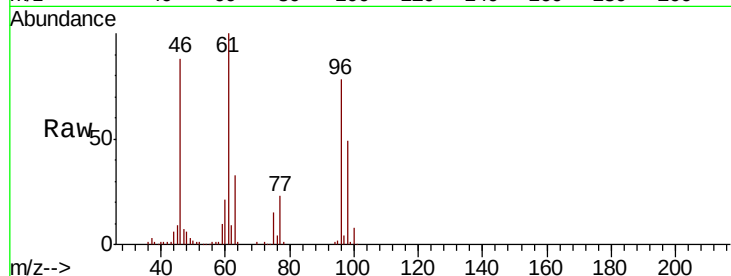
Tot Ion: 96 Resp: 120774

Ion Ratio Lower Upper

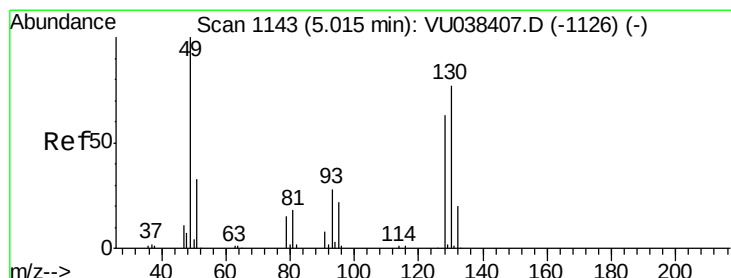
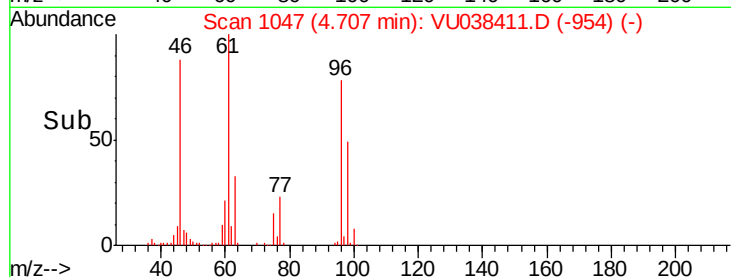
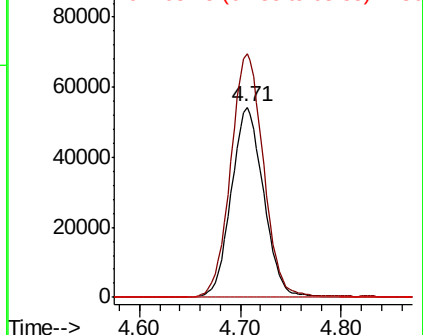
96 100

61 128.1 94.0 174.6

68 0.0 0.0 0.0



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



#23

Bromochloromethane

Concen: 4.910 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VU038411.D

Acq: 30 May 2020 13:48

Tgt Ion: 128 Resp: 52647

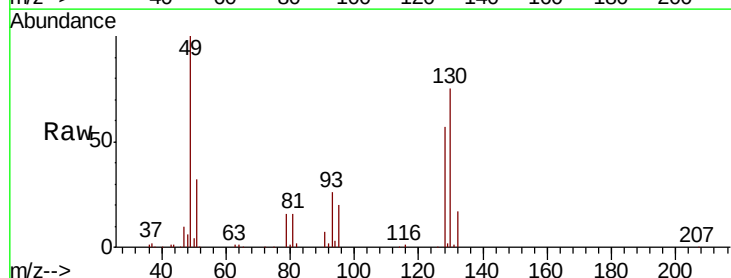
Ion Ratio Lower Upper

128 100

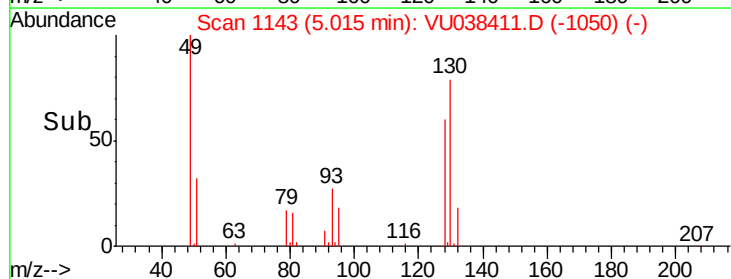
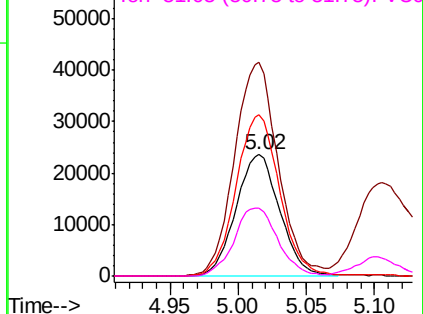
49 175.7 111.9 207.7

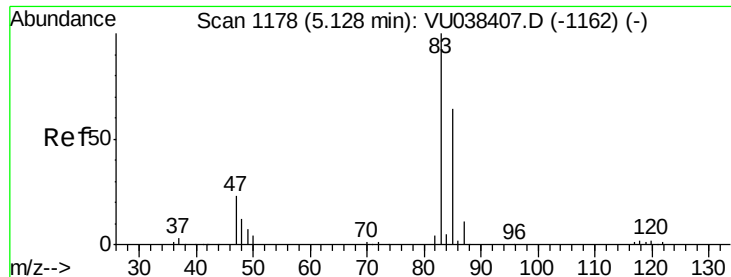
130 132.4 86.5 160.7

51 55.9 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

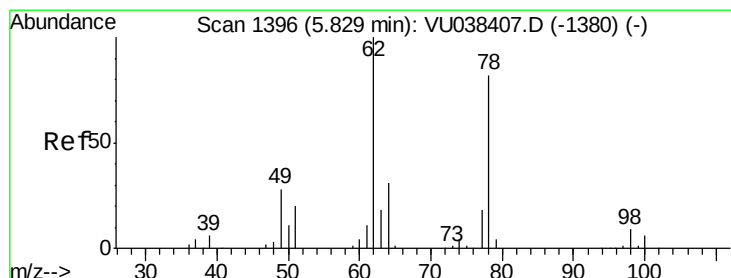
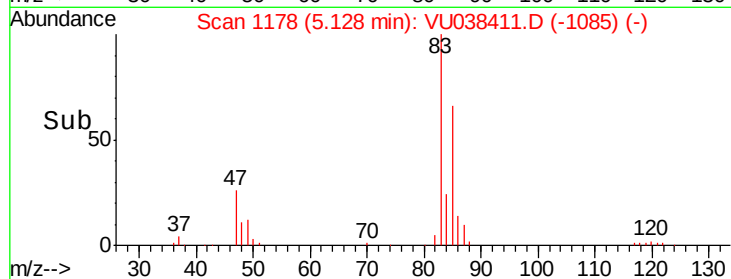
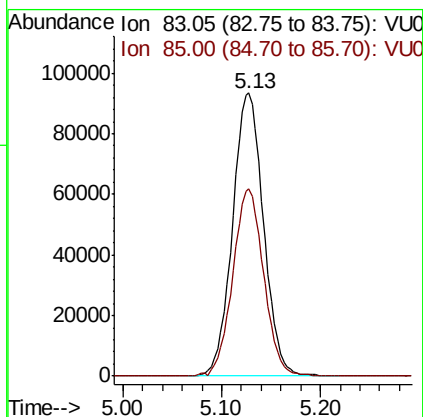
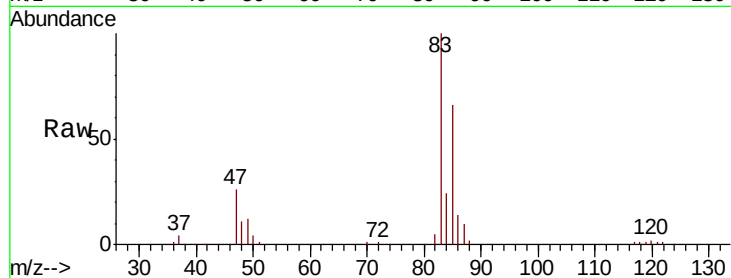




#25
Chloroform
Concen: 5.061 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU038411.D
Acq: 30 May 2020 13:48

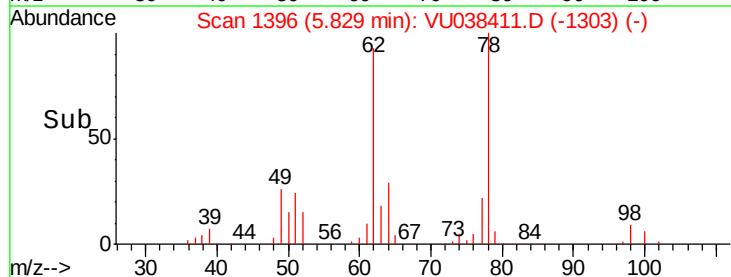
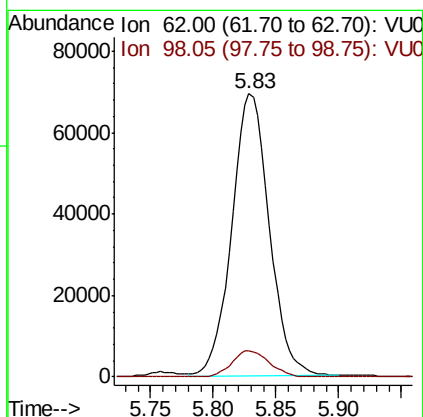
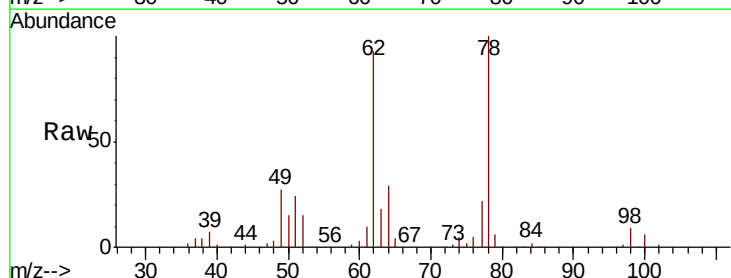
Instrument :
MSVOA_U
ClientSampled :

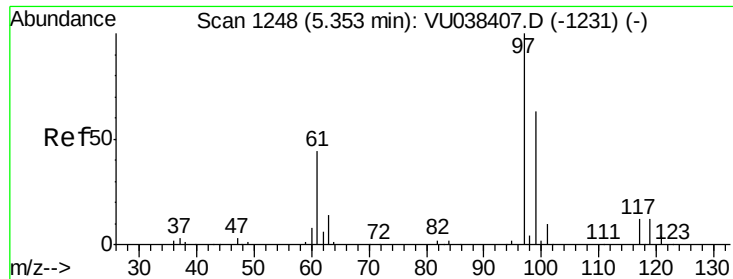
Tot Ion: 83 Resp: 203563
Ion Ratio Lower Upper
83 100
85 66.3 44.9 83.5



#27
1,2-Dichloroethane
Concen: 5.086 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU038411.D
Acq: 30 May 2020 13:48

Tgt Ion: 62 Resp: 144030
Ion Ratio Lower Upper
62 100
98 9.3 7.4 11.2

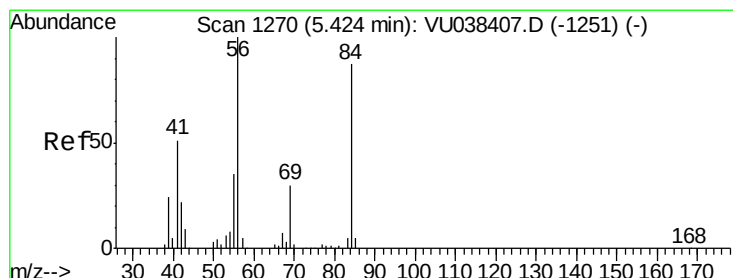
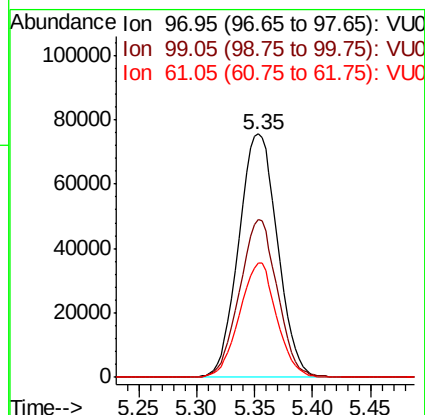
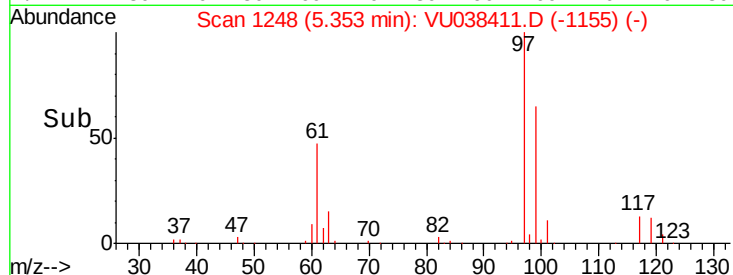
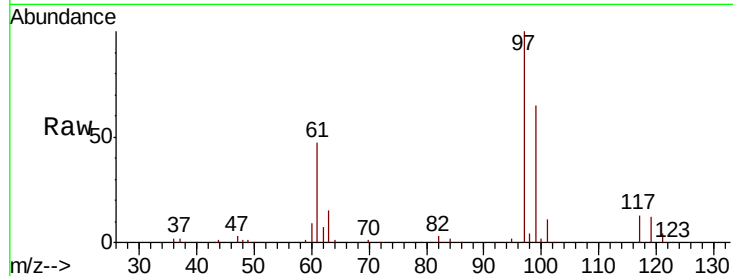




#29
 1,1,1-Trichloroethane
 Concen: 5.228 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VU038411.D
 Acq: 30 May 2020 13:48

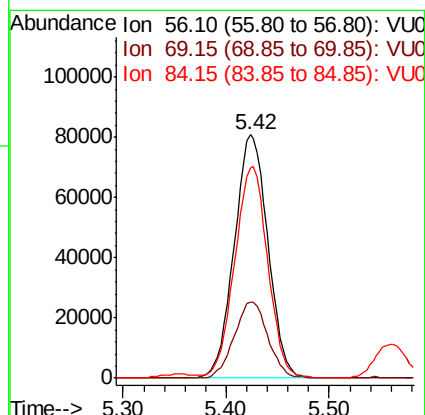
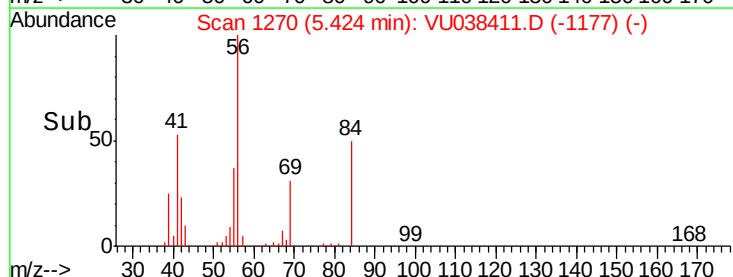
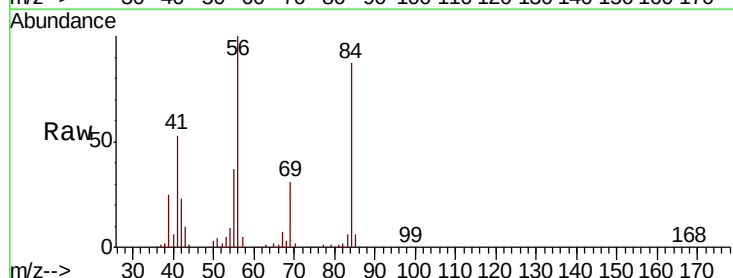
Instrument :
 MSVOA_U
 ClientSampleId :

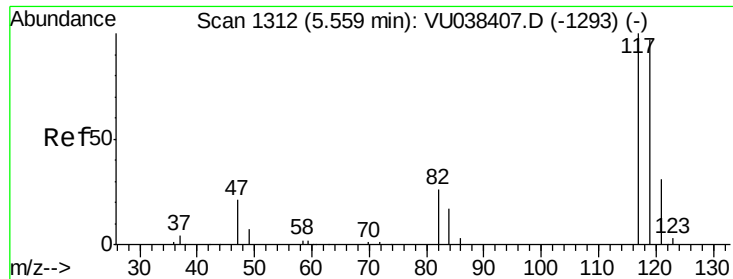
Tot Ion: 97 Resp: 175926
 Ion Ratio Lower Upper
 97 100
 99 63.0 52.2 78.2
 61 44.9 35.4 53.2



#30
 Cyclohexane
 Concen: 5.205 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VU038411.D
 Acq: 30 May 2020 13:48

Tgt Ion: 56 Resp: 183645
 Ion Ratio Lower Upper
 56 100
 69 31.4 24.2 36.4
 84 85.8 70.8 106.2





#31

Carbon tetrachloride

Concen: 5.117 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU038411.D

Acq: 30 May 2020 13:48

Instrument :

MSVOA_U

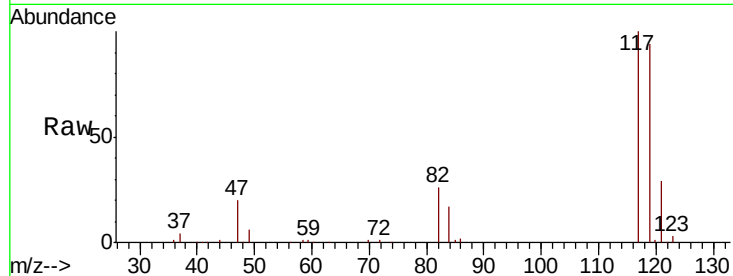
ClientSampleId :

Tot Ion:117 Resp: 143355

Ion Ratio Lower Upper

117 100

119 94.8 76.6 115.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.56

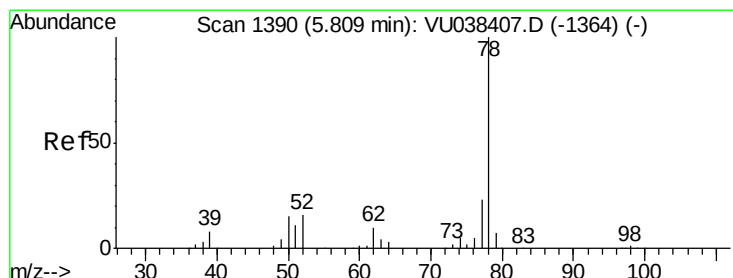
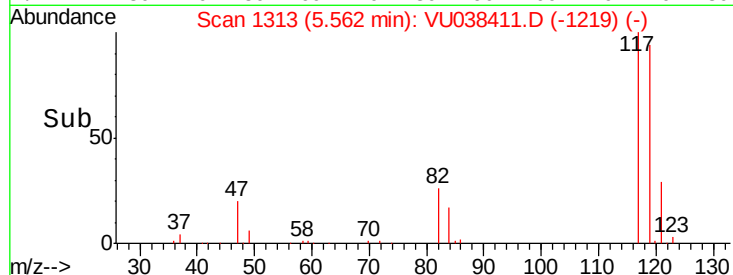
60000

40000

20000

0

5.45 5.50 5.55 5.60 5.65



#33

Benzene

Concen: 5.123 ug/L

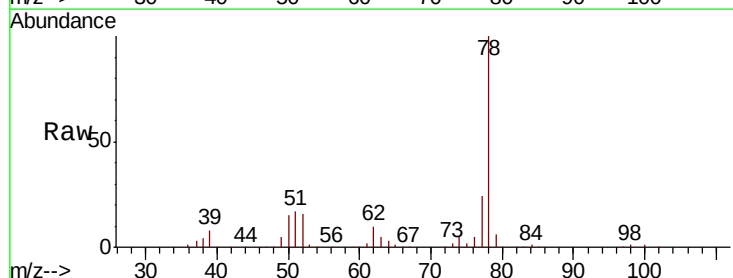
RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VU038411.D

Acq: 30 May 2020 13:48

Tgt Ion: 78 Resp: 454295



Abundance Ion 78.10 (77.80 to 78.80): VU0

250000

200000

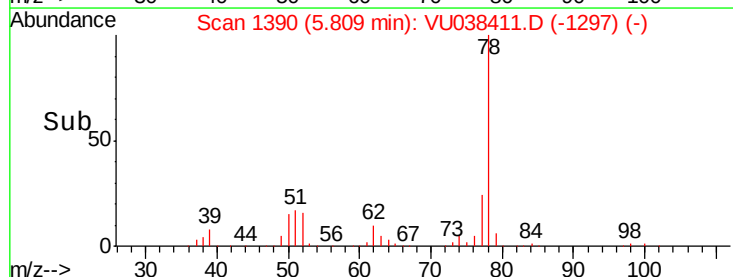
150000

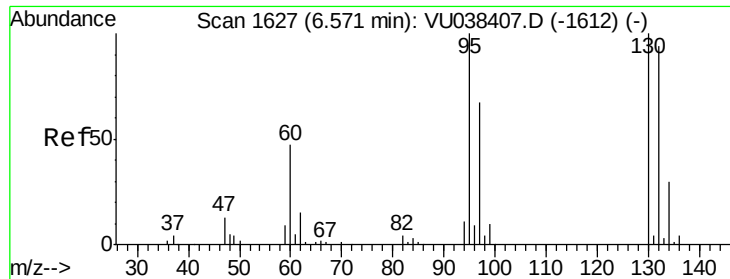
100000

50000

0

5.70 5.80 5.90





#34

Trichloroethene

Concen: 5.055 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU038411.D

Acq: 30 May 2020 13:48

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 116352

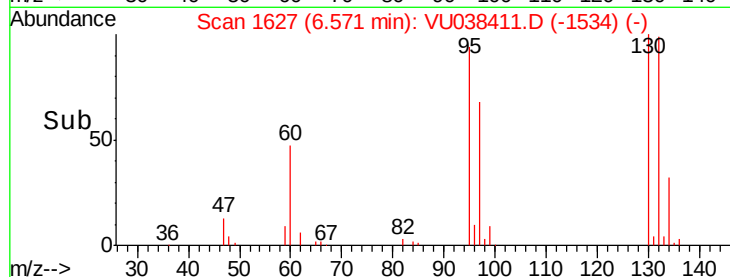
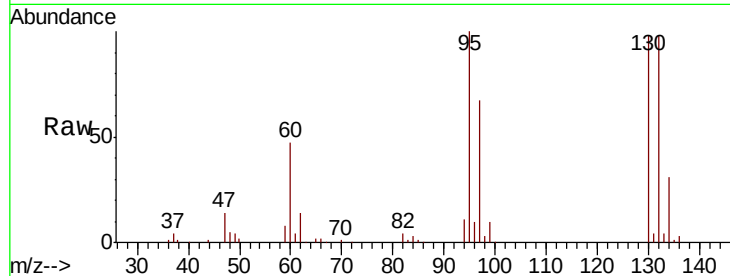
Ion Ratio Lower Upper

95 100

97 67.2 46.8 87.0

132 97.8 66.1 122.7

130 98.3 70.0 130.0

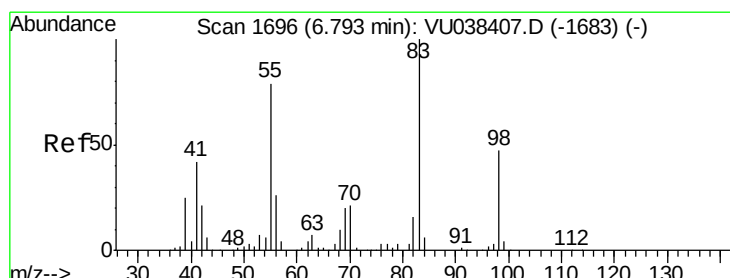
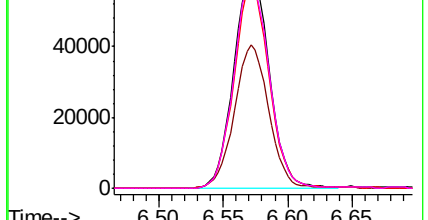


Abundance Ion 95.00 (94.70 to 95.70): VU038411.D (-1534) (-)

Ion 96.95 (96.65 to 97.65): VU038411.D (-1534) (-)

Ion 131.95 (131.65 to 132.65): VU038411.D (-1534) (-)

Ion 129.95 (129.65 to 130.65): VU038411.D (-1534) (-)



#35

Methylcyclohexane

Concen: 5.148 ug/L

RT: 6.79 min Scan# 1696

Delta R.T. -0.00 min

Lab File: VU038411.D

Acq: 30 May 2020 13:48

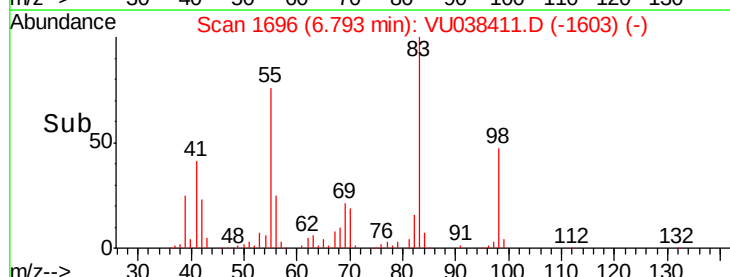
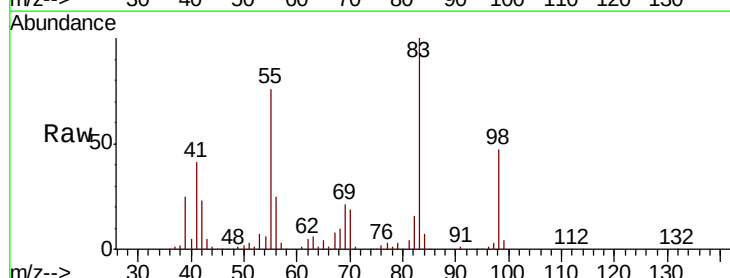
Tgt Ion: 83 Resp: 183448

Ion Ratio Lower Upper

83 100

55 77.8 63.4 95.2

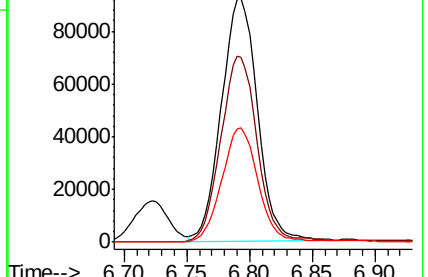
98 48.0 39.0 58.4

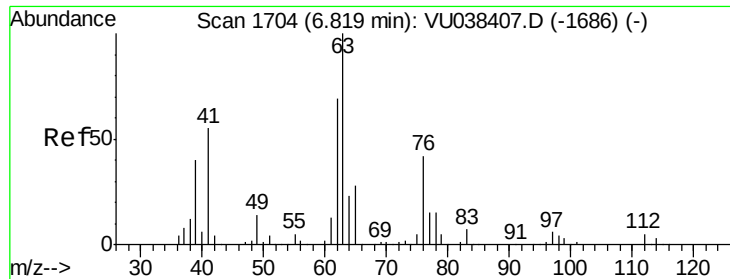


Abundance Ion 83.15 (82.85 to 83.85): VU038411.D (-1603) (-)

Ion 55.10 (54.80 to 55.80): VU038411.D (-1603) (-)

Ion 98.15 (97.85 to 98.85): VU038411.D (-1603) (-)

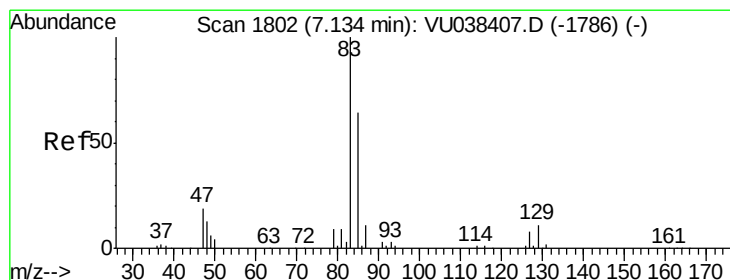
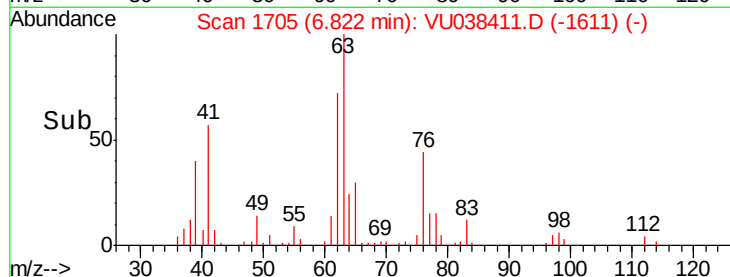
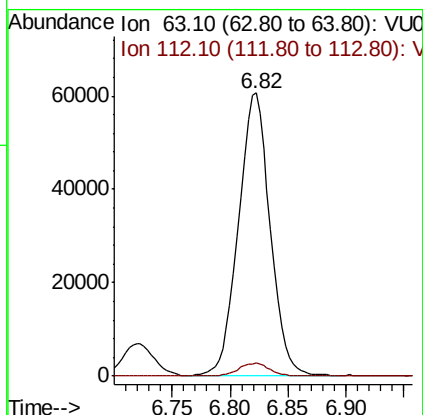
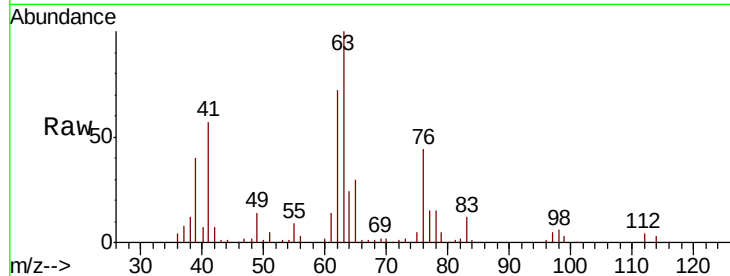




#37
 1,2-Dichloropropane
 Concen: 5.142 ug/L
 RT: 6.82 min Scan# 1705
 Delta R.T. 0.00 min
 Lab File: VU038411.D
 Acq: 30 May 2020 13:48

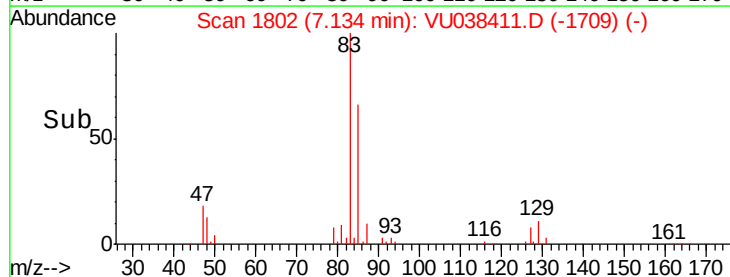
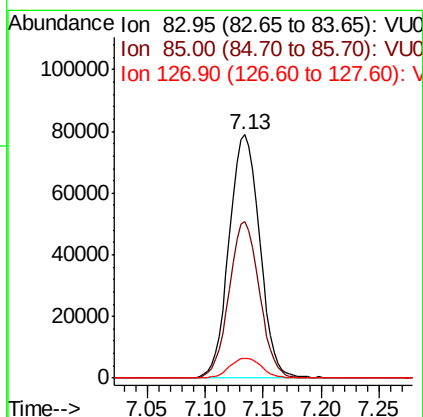
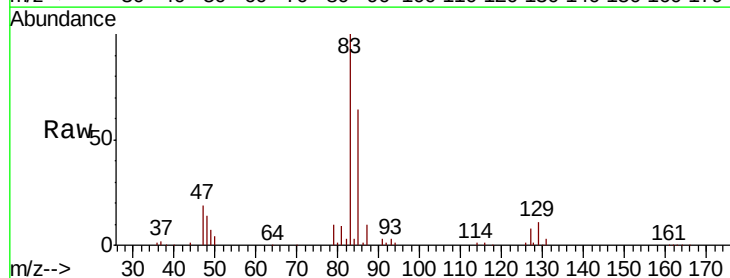
Instrument :
 MSVOA_U
 ClientSampleId :

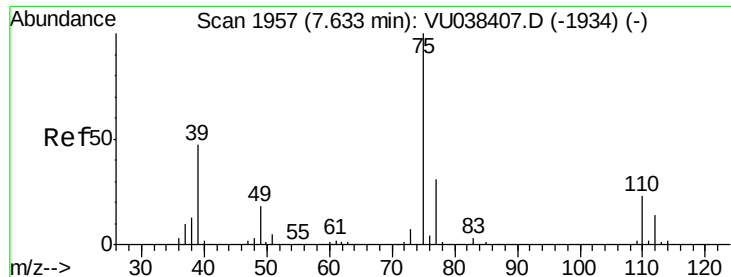
Tot Ion: 63 Resp: 114742
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.7 5.5



#38
 Bromodichloromethane
 Concen: 5.198 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VU038411.D
 Acq: 30 May 2020 13:48

Tgt Ion: 83 Resp: 144041
 Ion Ratio Lower Upper
 83 100
 85 64.1 44.7 83.1
 127 7.8 6.8 10.2



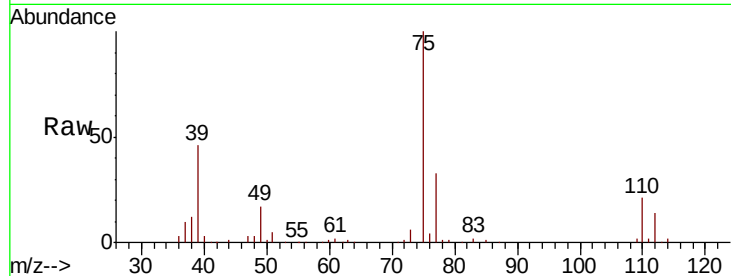


#39

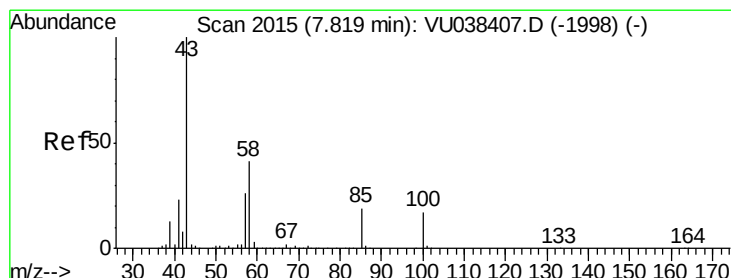
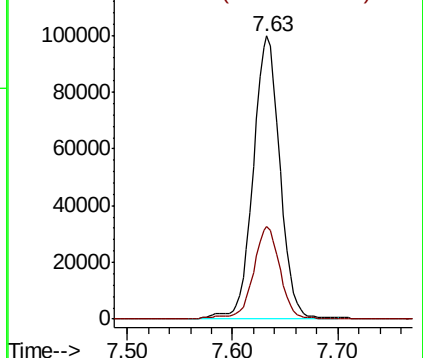
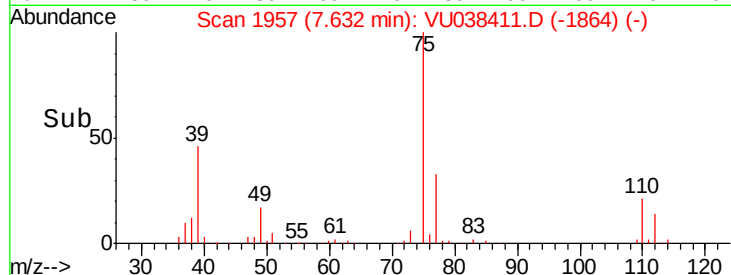
cis-1,3-Dichloropropene
 Concen: 5.376 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. -0.00 min
 Lab File: VU038411.D
 Acq: 30 May 2020 13:48

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 75 Resp: 177304
 Ion Ratio Lower Upper
 75 100
 77 32.6 21.9 40.7



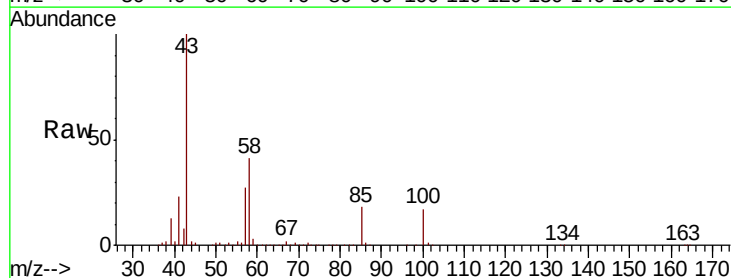
Abundance Ion 75.05 (74.75 to 75.75): VU038411.D (-1864) (-)
 Ion 77.05 (76.75 to 77.75): VU038411.D (-1864) (-)



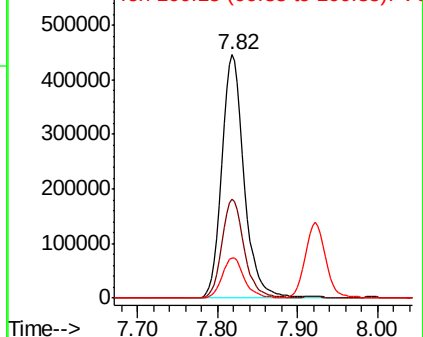
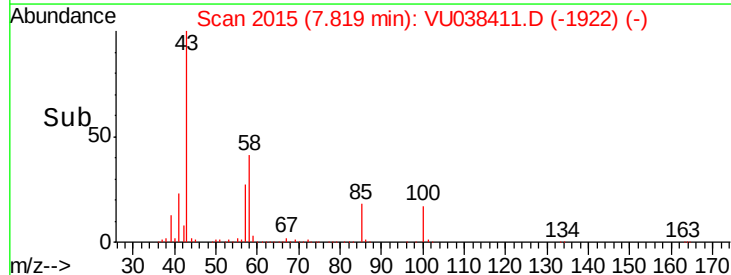
#40

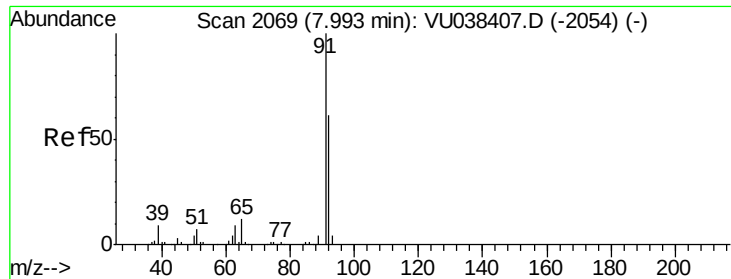
4-Methyl-2-pentanone
 Concen: 53.955 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. -0.00 min
 Lab File: VU038411.D
 Acq: 30 May 2020 13:48

Tgt Ion: 43 Resp: 861024
 Ion Ratio Lower Upper
 43 100
 58 40.8 32.4 48.6
 100 16.5 13.3 19.9



Abundance Ion 43.05 (42.75 to 43.75): VU038411.D (-1922) (-)
 Ion 58.05 (57.75 to 58.75): VU038411.D (-1922) (-)
 Ion 100.15 (99.85 to 100.85): VU038411.D (-1922) (-)





#42

Toluene

Concen: 5.128 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU038411.D

Acq: 30 May 2020 13:48

Instrument :

MSVOA_U

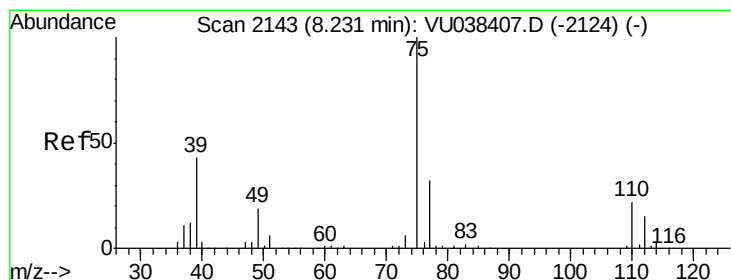
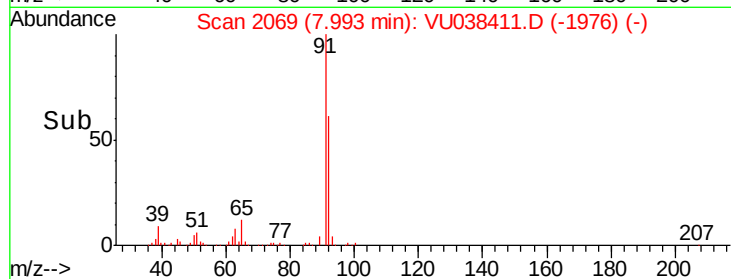
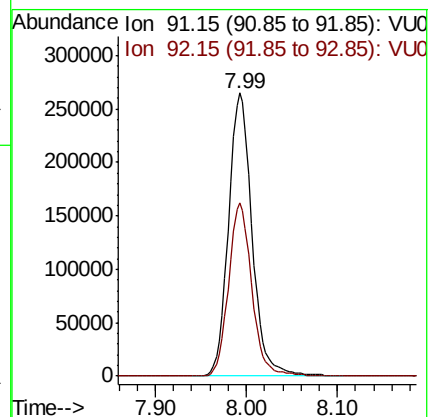
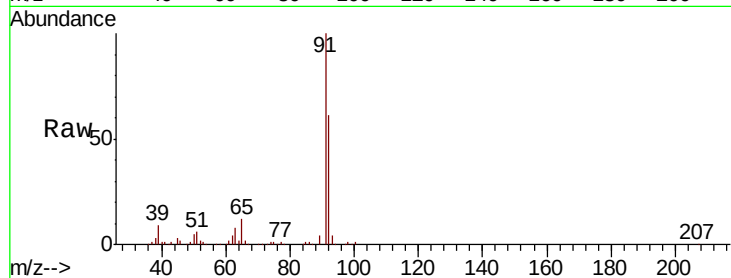
ClientSampleId :

Tot Ion: 91 Resp: 476978

Ion Ratio Lower Upper

91 100

92 61.2 43.0 79.8



#44

trans-1,3-Dichloropropene

Concen: 5.170 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU038411.D

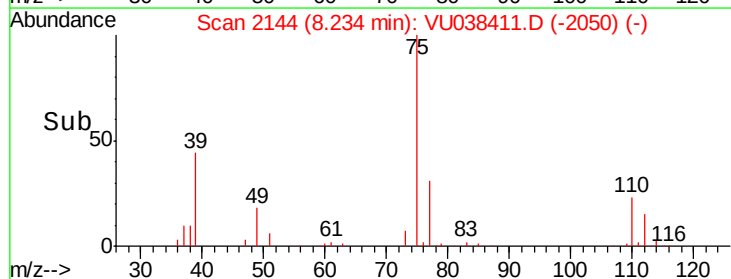
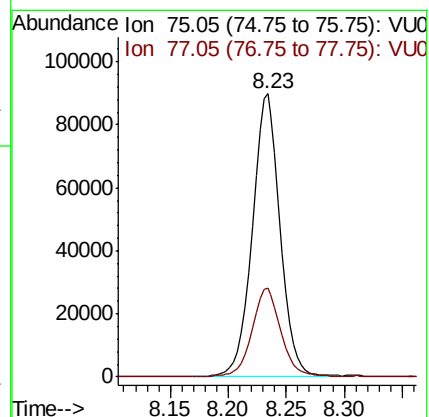
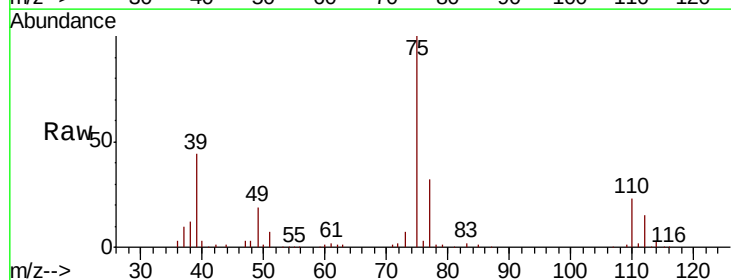
Acq: 30 May 2020 13:48

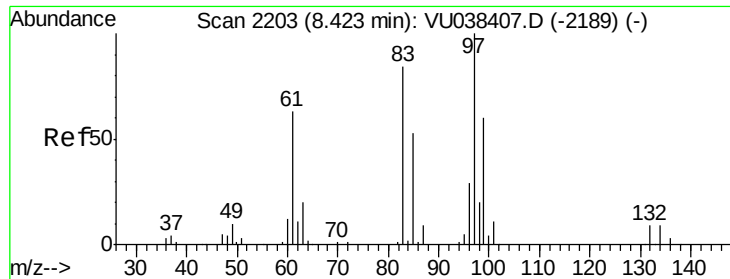
Tgt Ion: 75 Resp: 150582

Ion Ratio Lower Upper

75 100

77 31.6 22.1 41.1

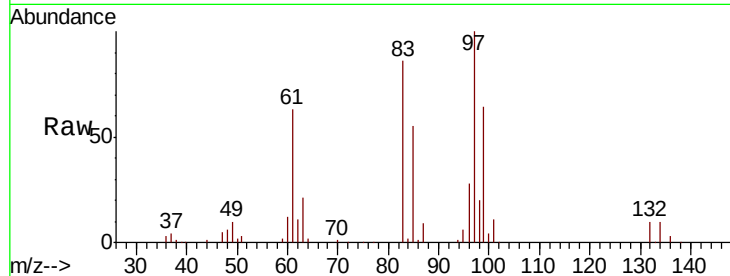




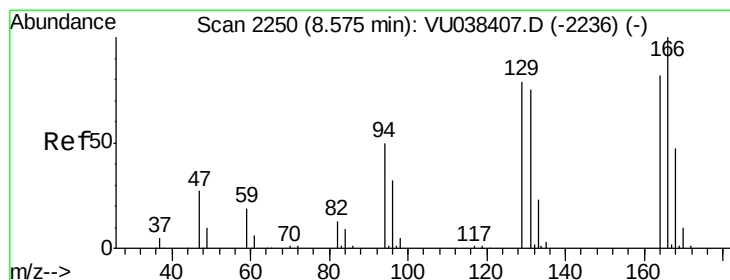
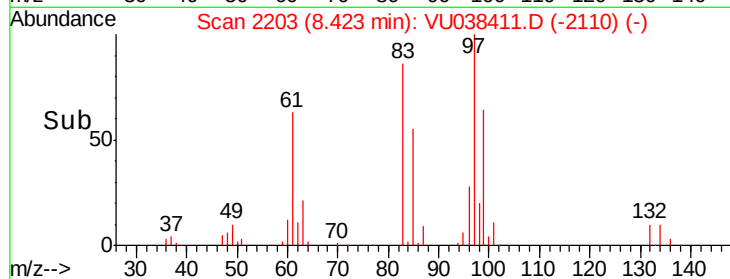
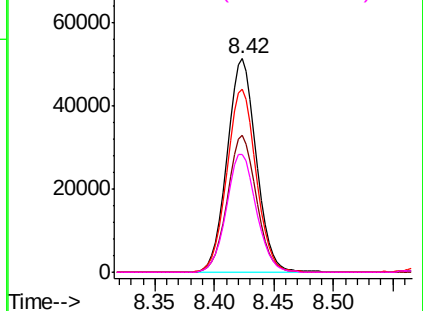
#45
 1,1,2-Trichloroethane
 Concen: 5.162 ug/L
 RT: 8.42 min Scan# 2203
 Delta R.T. -0.00 min
 Lab File: VU038411.D
 Acq: 30 May 2020 13:48

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	86892
Ion	Ratio	Lower	Upper
97	100		
99	64.1	42.1	78.1
83	85.9	58.8	109.2
85	55.4	37.4	69.4

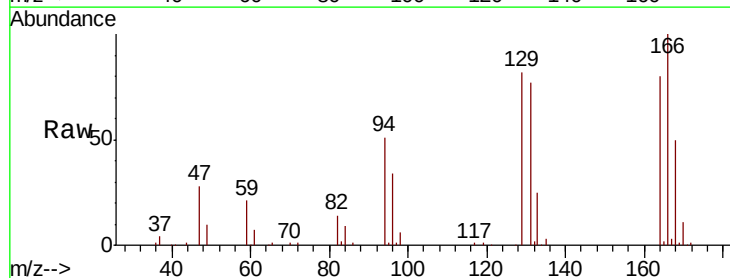


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

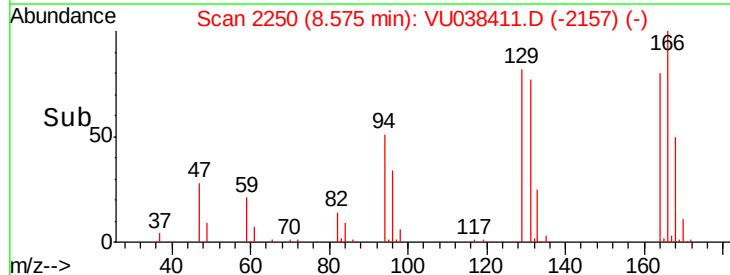
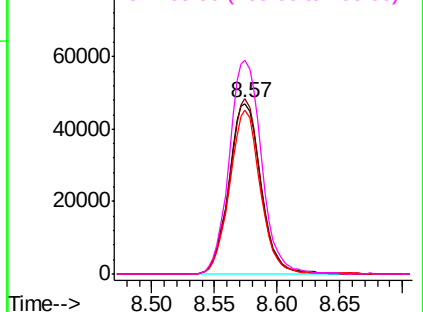


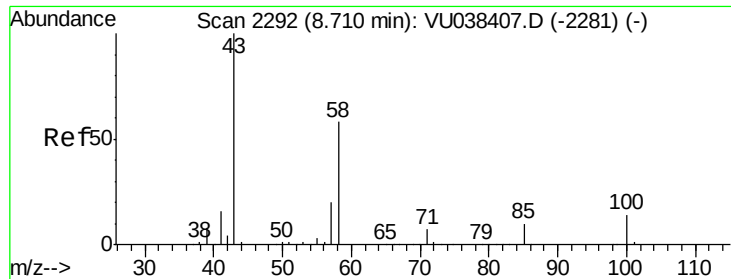
#47
 Tetrachloroethene
 Concen: 4.990 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. -0.00 min
 Lab File: VU038411.D
 Acq: 30 May 2020 13:48

Tgt Ion:	164	Resp:	83435
Ion	Ratio	Lower	Upper
164	100		
129	102.3	67.4	125.2
131	96.0	64.1	119.1
166	125.1	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

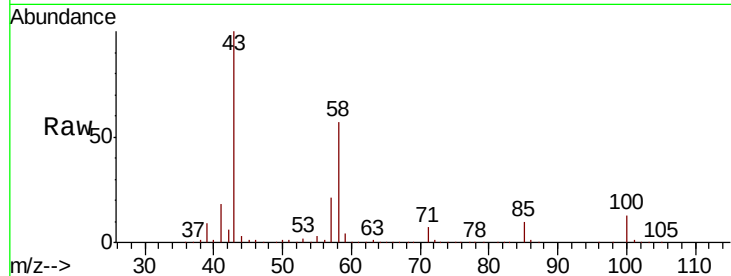




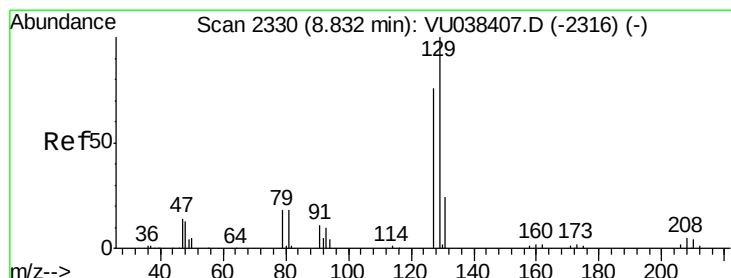
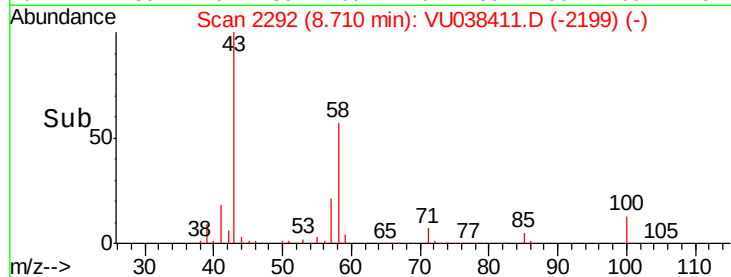
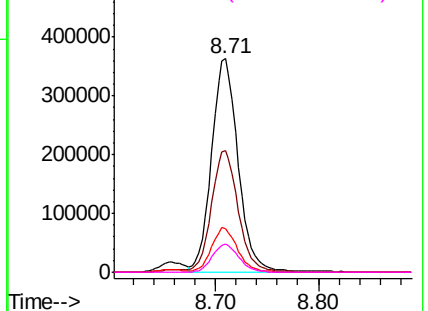
#48
2-Hexanone
Concen: 53.578 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. -0.00 min
Lab File: VU038411.D
Acq: 30 May 2020 13:48

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 647510
Ion Ratio Lower Upper
43 100
58 56.9 45.4 68.0
57 20.4 15.9 23.9
100 13.1 10.5 15.7

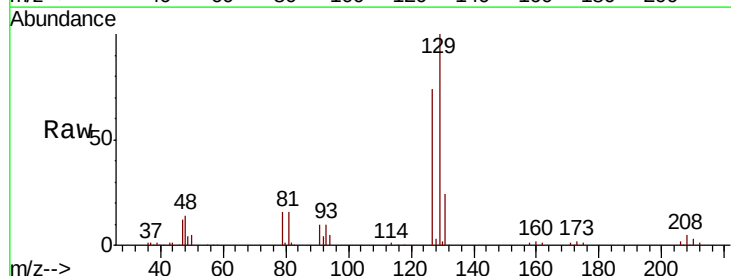


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

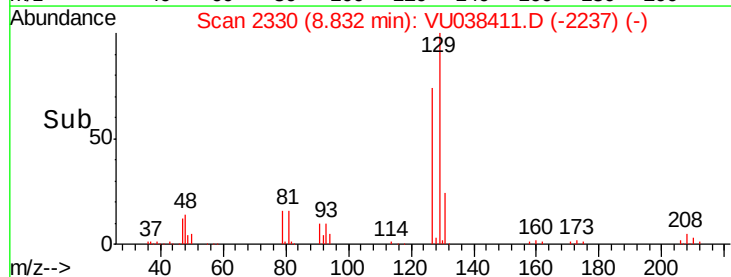
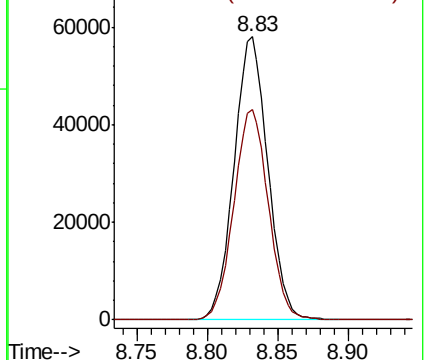


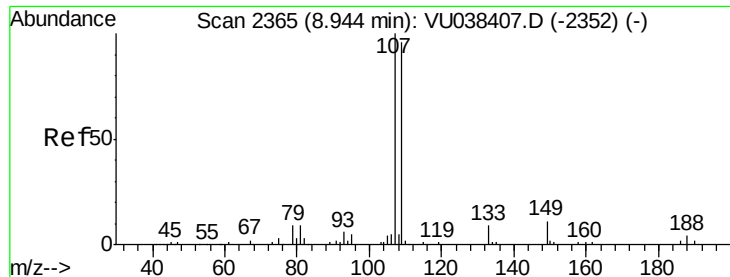
#49
Dibromochloromethane
Concen: 5.371 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU038411.D
Acq: 30 May 2020 13:48

Tgt Ion: 129 Resp: 97593
Ion Ratio Lower Upper
129 100
127 74.5 53.3 99.1



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

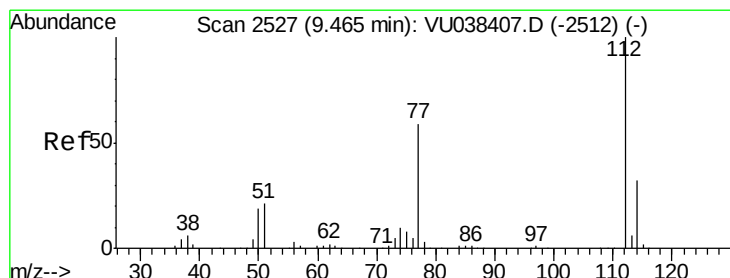
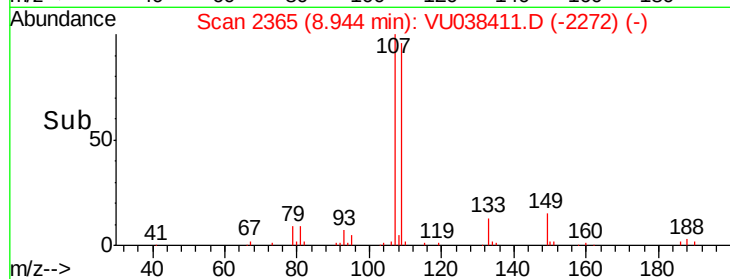
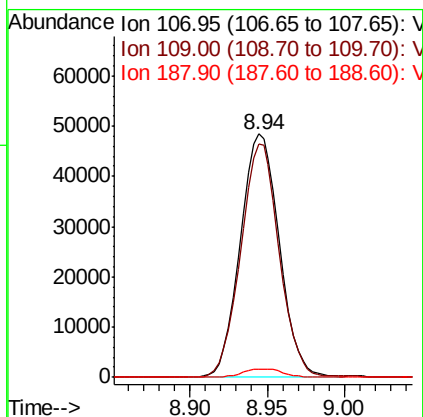
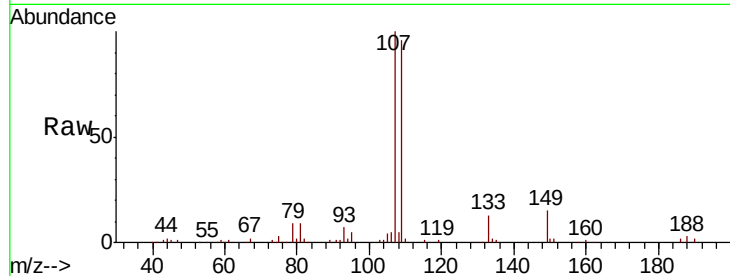




#50
 1,2-Dibromoethane
 Concen: 5.276 ug/L
 RT: 8.94 min Scan# 2365
 Delta R.T. -0.00 min
 Lab File: VU038411.D
 Acq: 30 May 2020 13:48

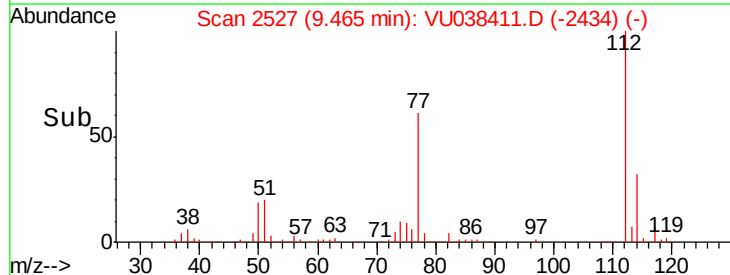
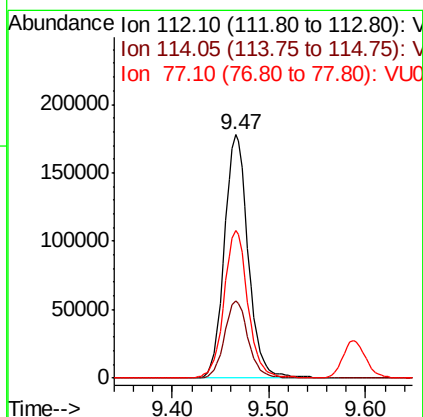
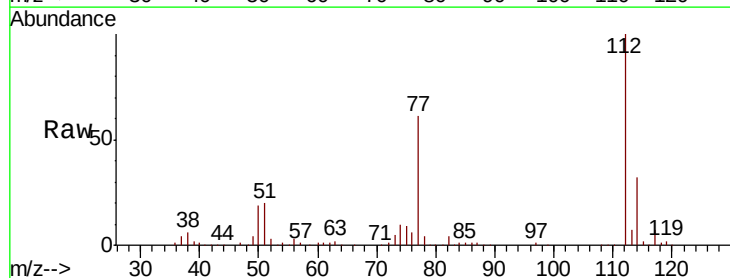
Instrument :
 MSVOA_U
 ClientSampleId :

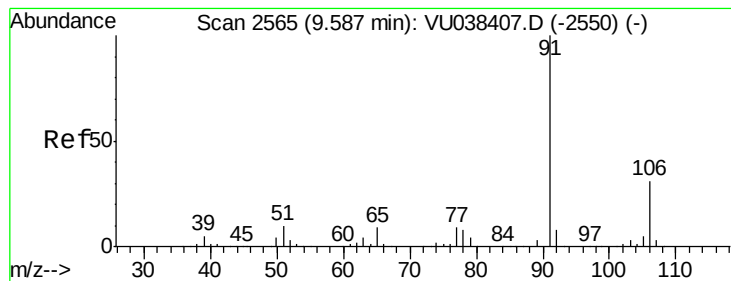
Tot Ion:107 Resp: 85043
 Ion Ratio Lower Upper
 107 100
 109 96.1 67.0 124.4
 188 3.3 3.0 4.4



#51
 Chlorobenzene
 Concen: 5.056 ug/L
 RT: 9.47 min Scan# 2527
 Delta R.T. -0.00 min
 Lab File: VU038411.D
 Acq: 30 May 2020 13:48

Tgt Ion:112 Resp: 303260
 Ion Ratio Lower Upper
 112 100
 114 31.9 22.4 41.6
 77 60.7 47.1 70.7





#52

Ethylbenzene

Concen: 5.064 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU038411.D

Acq: 30 May 2020 13:48

Instrument :

MSVOA_U

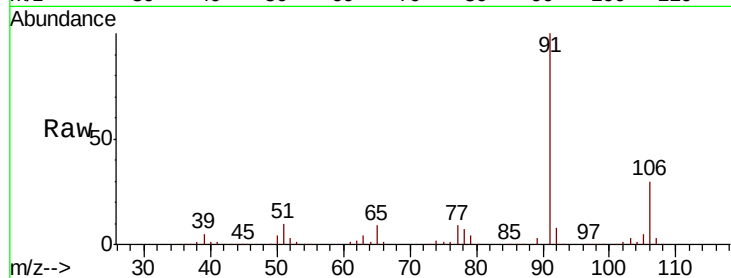
ClientSampleId :

Tot Ion: 91 Resp: 524030

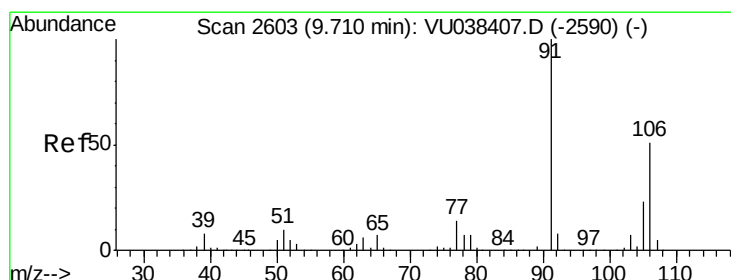
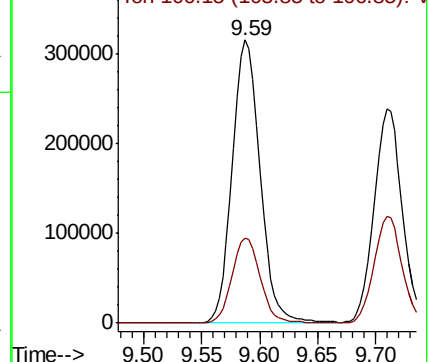
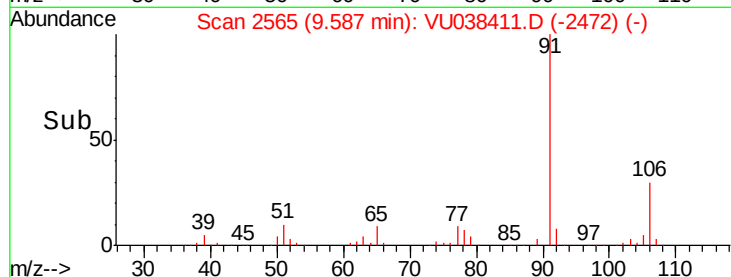
Ion Ratio Lower Upper

91 100

106 30.2 21.7 40.3



Abundance Ion 91.15 (90.85 to 91.85): VU038411.D (-2472) (-)



#53

m,p-Xylene

Concen: 5.107 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VU038411.D

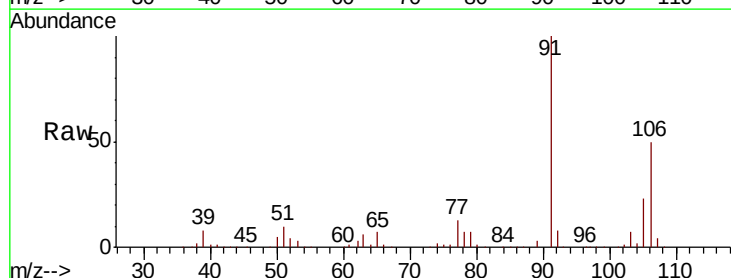
Acq: 30 May 2020 13:48

Tgt Ion: 106 Resp: 203251

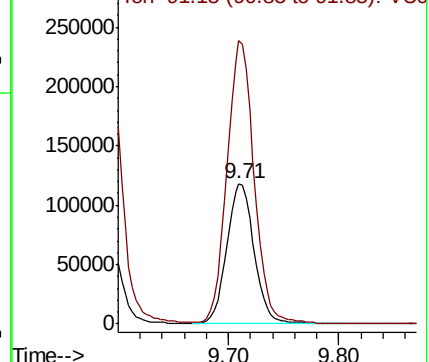
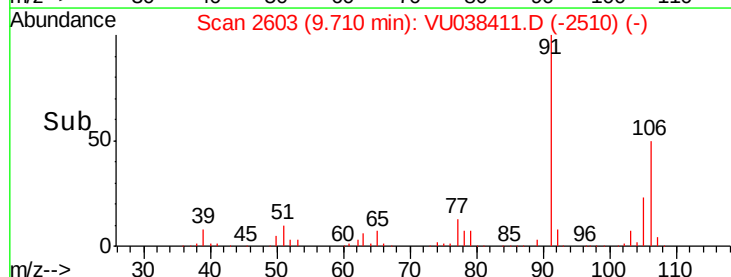
Ion Ratio Lower Upper

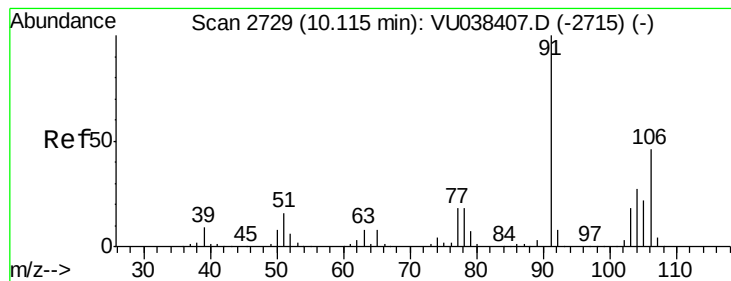
106 100

91 201.3 138.1 256.5



Abundance Ion 106.15 (105.85 to 106.85): VU038411.D (-2510) (-)





#54

o-Xylene

Concen: 5.196 ug/L

RT: 10.12 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VU038411.D

Acq: 30 May 2020 13:48

Instrument :

MSVOA_U

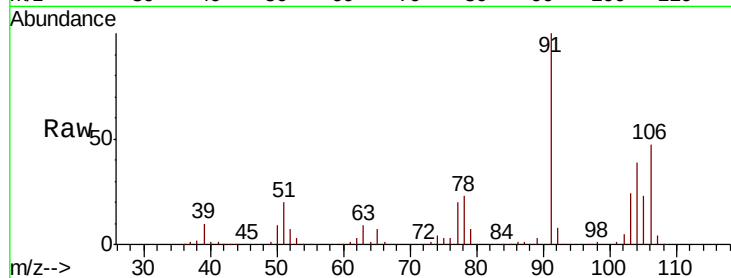
ClientSampled :

Tot Ion:106 Resp: 198527

Ion Ratio Lower Upper

106 100

91 213.6 150.6 279.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0

300000

250000

200000

150000

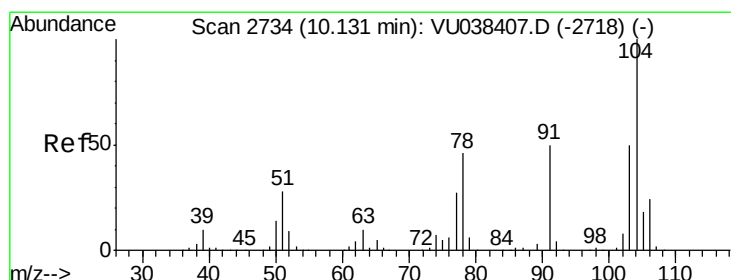
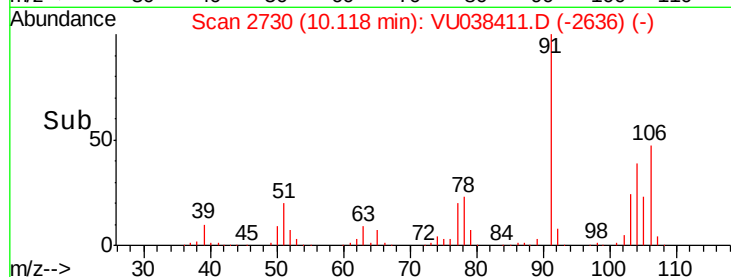
100000

50000

0

10.10 10.12 10.20

Time-->



#55

Styrene

Concen: 5.178 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VU038411.D

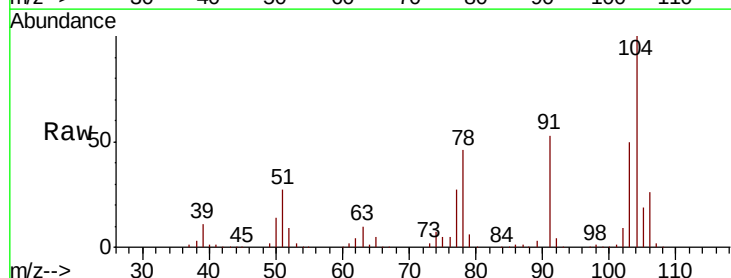
Acq: 30 May 2020 13:48

Tgt Ion:104 Resp: 335771

Ion Ratio Lower Upper

104 100

78 45.9 31.9 59.3



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0

200000

150000

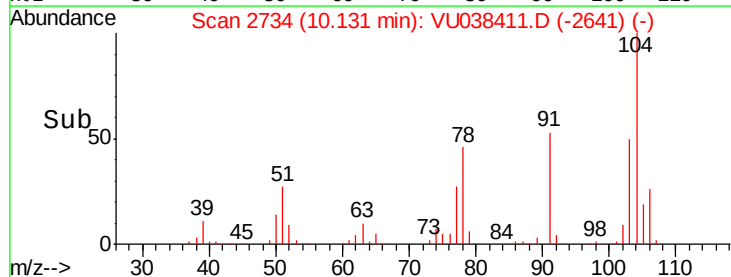
100000

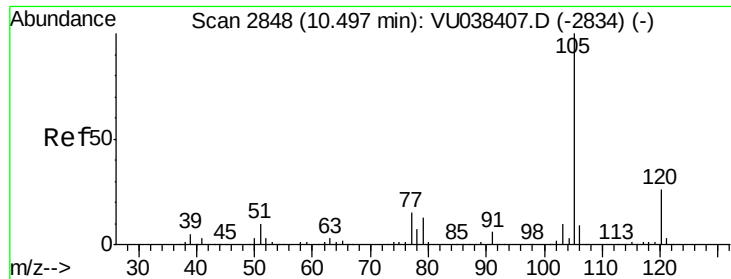
50000

0

10.10 10.13 10.20

Time-->





#56

Isopropylbenzene

Concen: 5.033 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU038411.D

Acq: 30 May 2020 13:48

Instrument :

MSVOA_U

ClientSampleId :

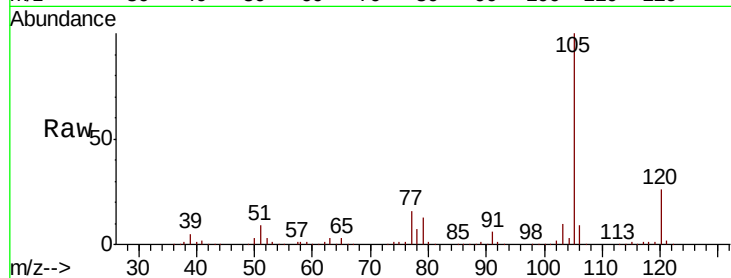
Tot Ion:105 Resp: 506041

Ion Ratio Lower Upper

105 100

120 26.2 20.7 31.1

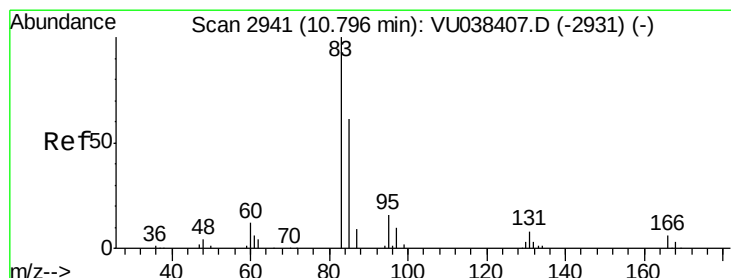
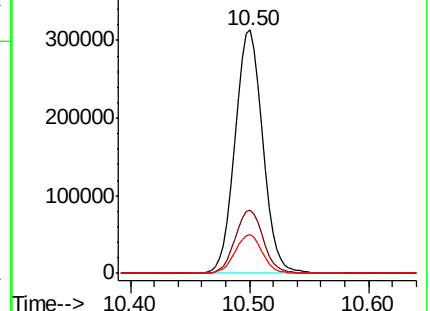
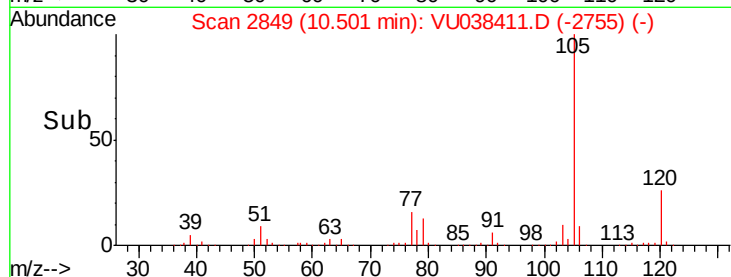
77 15.8 12.5 18.7



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: 5.187 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. -0.00 min

Lab File: VU038411.D

Acq: 30 May 2020 13:48

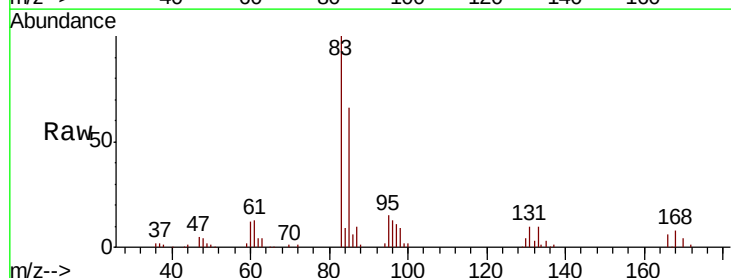
Tgt Ion: 83 Resp: 110962

Ion Ratio Lower Upper

83 100

85 65.5 44.2 82.0

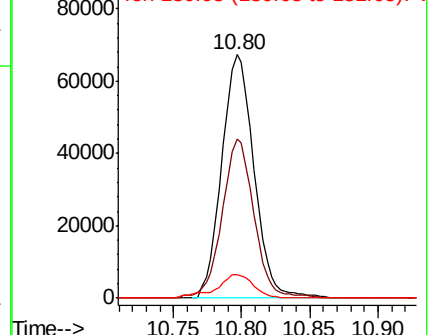
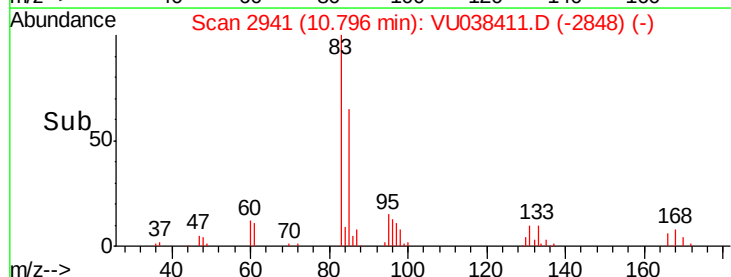
131 9.6 8.1 12.1

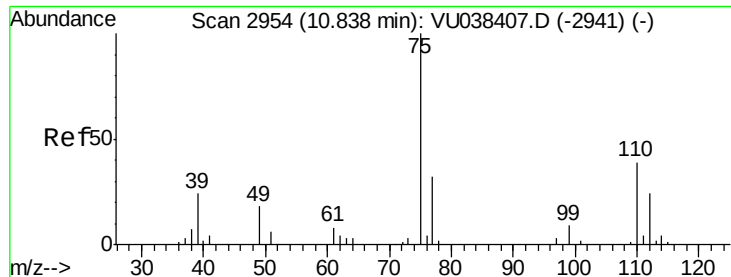


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.172 ug/L

RT: 10.84 min Scan# 2954

Delta R.T. -0.00 min

Lab File: VU038411.D

Acq: 30 May 2020 13:48

Instrument :

MSVOA_U

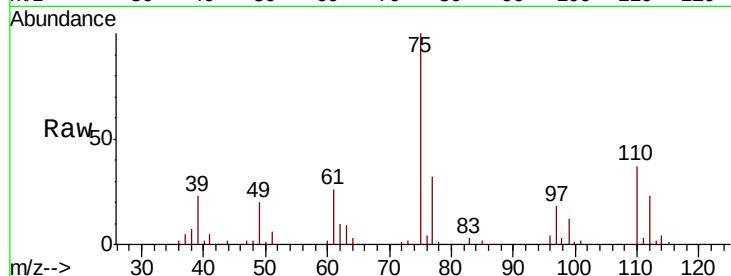
ClientSampleId :

Tot Ion: 75 Resp: 86135

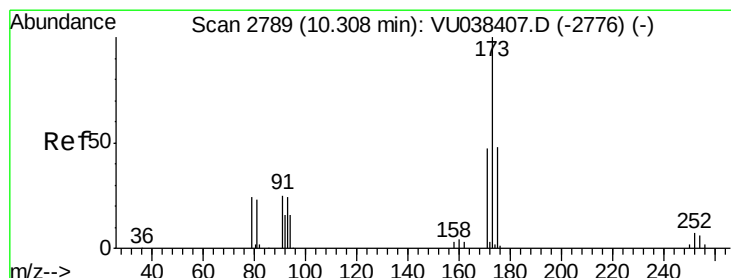
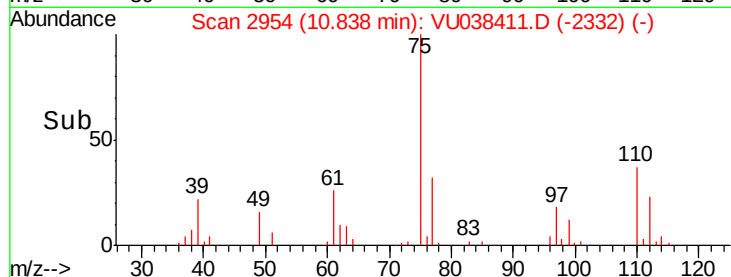
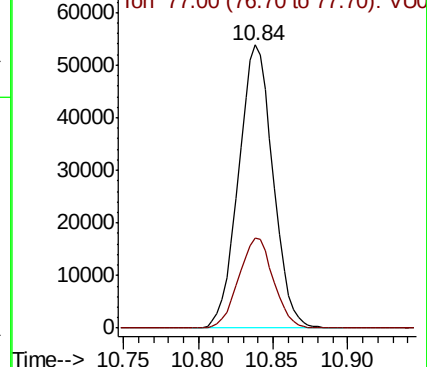
Ion Ratio Lower Upper

75 100

77 32.1 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU038407.D (-2941) (-)



#61

Bromoform

Concen: 5.370 ug/L

RT: 10.31 min Scan# 2789

Delta R.T. -0.00 min

Lab File: VU038411.D

Acq: 30 May 2020 13:48

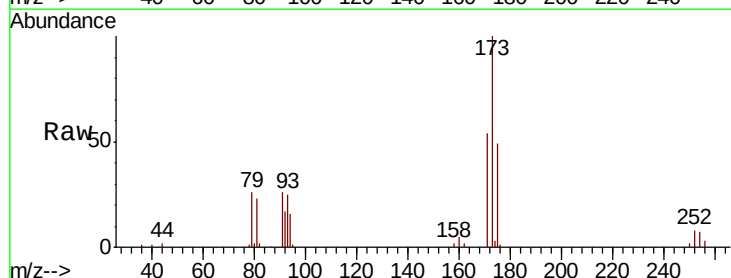
Tgt Ion: 173 Resp: 53176

Ion Ratio Lower Upper

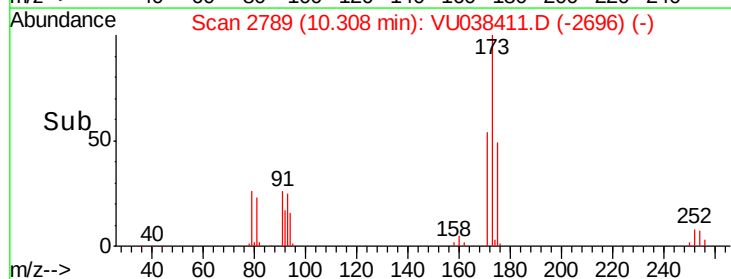
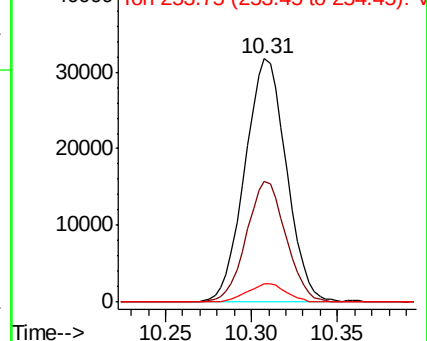
173 100

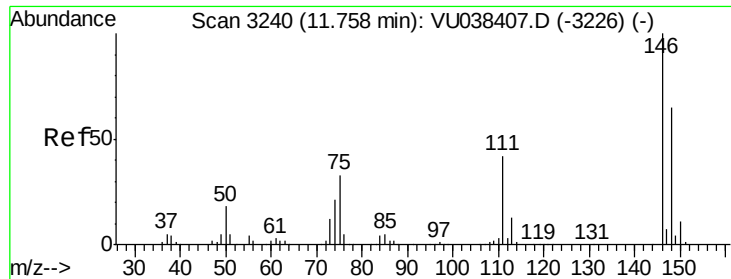
175 47.2 38.7 58.1

254 7.1 5.4 8.2



Abundance Ion 172.90 (172.60 to 173.60): VU038407.D (-2776) (-)





#62

1,3-Dichlorobenzene

Concen: 5.152 ug/L

RT: 11.76 min Scan# 3240

Delta R.T. -0.00 min

Lab File: VU038411.D

Acq: 30 May 2020 13:48

Instrument :

MSVOA_U

ClientSampleId :

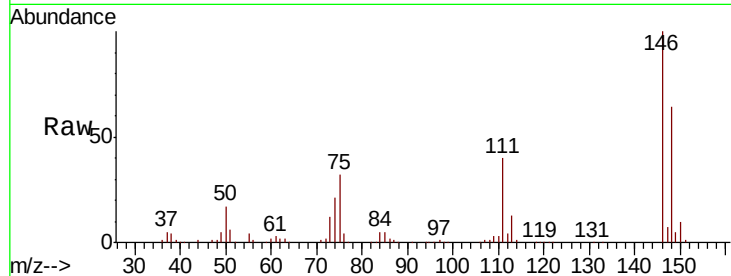
Tot Ion:146 Resp: 240616

Ion Ratio Lower Upper

146 100

111 40.4 29.5 54.9

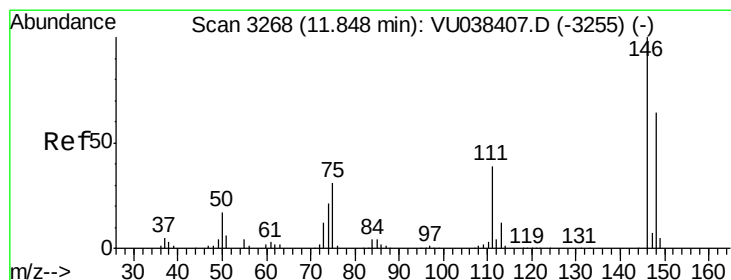
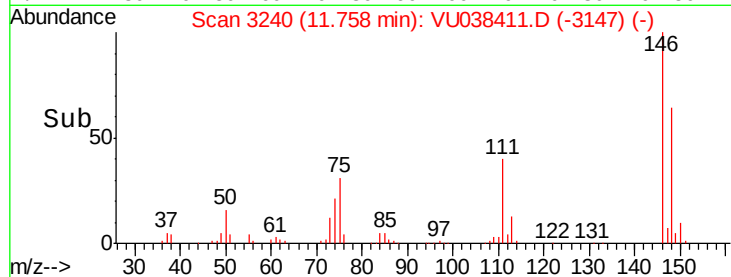
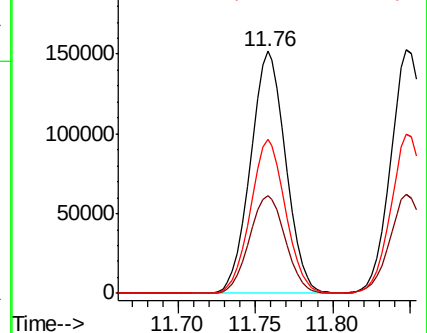
148 63.7 45.6 84.6



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: 5.039 ug/L

RT: 11.85 min Scan# 3268

Delta R.T. -0.00 min

Lab File: VU038411.D

Acq: 30 May 2020 13:48

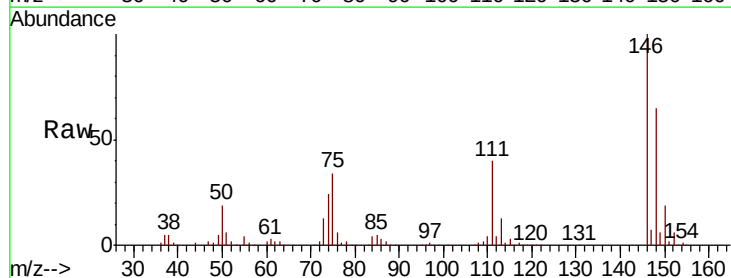
Tgt Ion:146 Resp: 238656

Ion Ratio Lower Upper

146 100

111 40.4 27.6 51.2

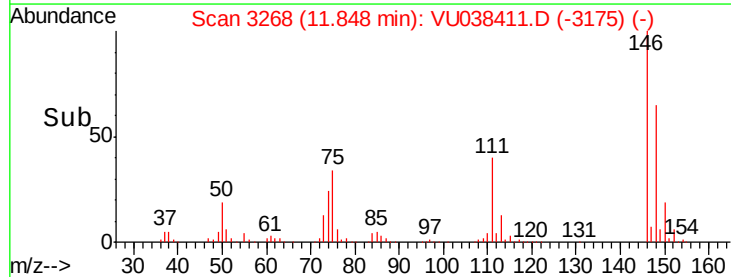
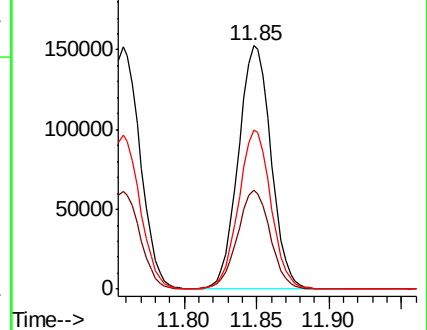
148 65.4 44.8 83.2

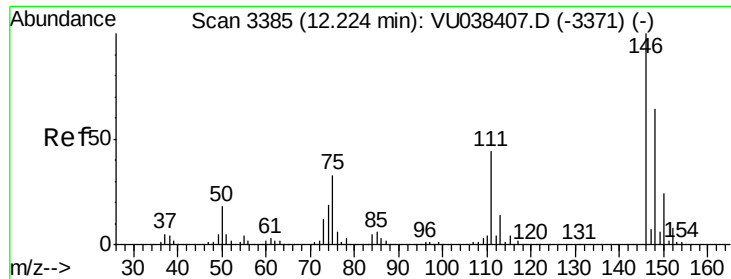


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

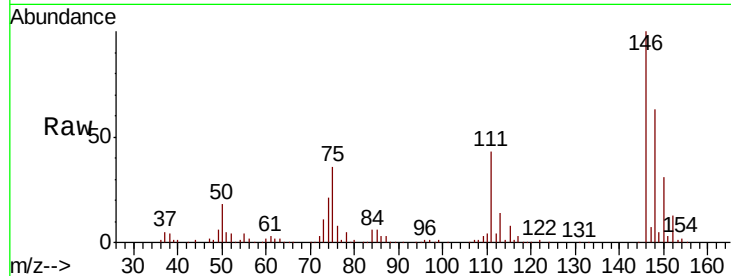




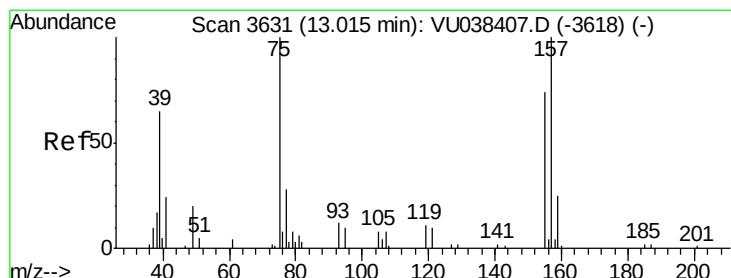
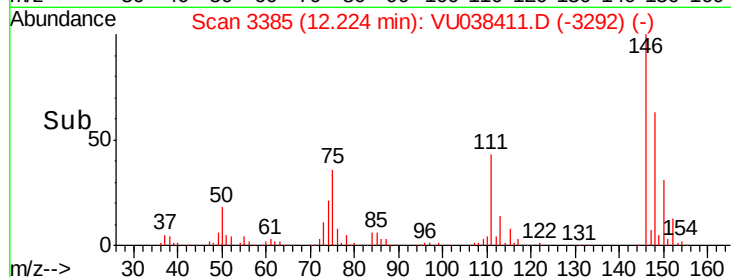
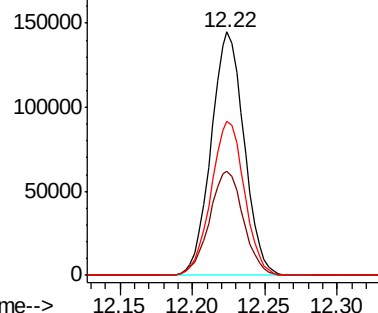
#65
 1,2-Dichlorobenzene
 Concen: 5.158 ug/L
 RT: 12.22 min Scan# 3385
 Delta R.T. -0.00 min
 Lab File: VU038411.D
 Acq: 30 May 2020 13:48

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:146 Resp: 228760
 Ion Ratio Lower Upper
 146 100
 111 42.9 35.1 52.7
 148 63.4 50.9 76.3

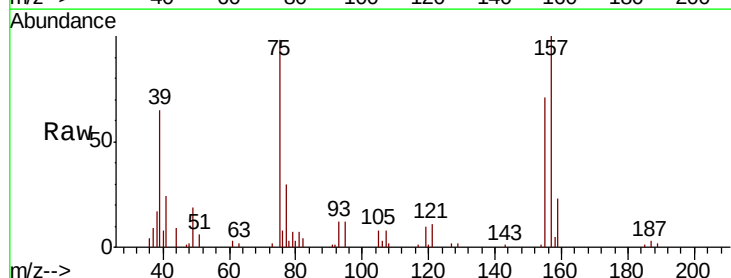


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

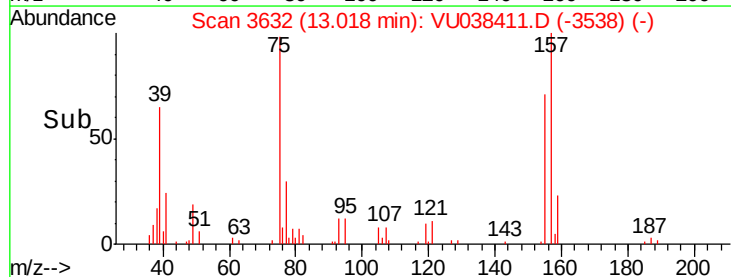
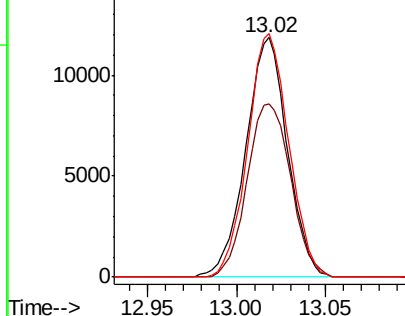


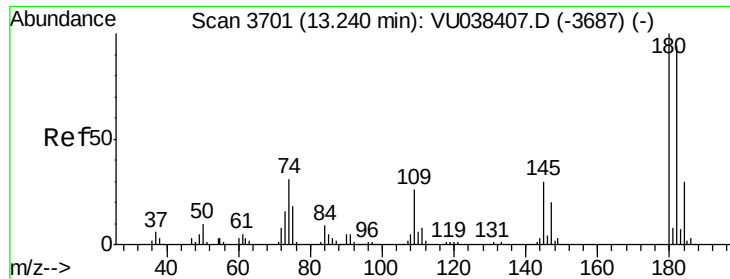
#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.403 ug/L
 RT: 13.02 min Scan# 3632
 Delta R.T. 0.00 min
 Lab File: VU038411.D
 Acq: 30 May 2020 13:48

Tgt Ion: 75 Resp: 19400
 Ion Ratio Lower Upper
 75 100
 155 72.4 59.6 89.4
 157 101.6 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

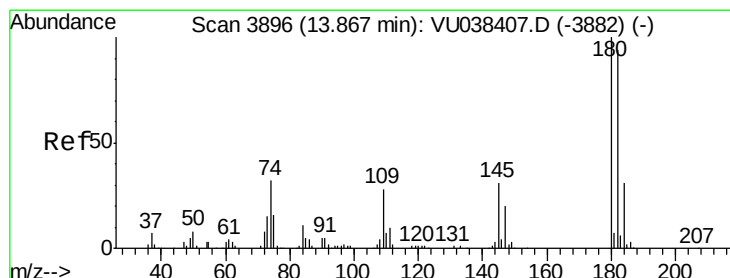
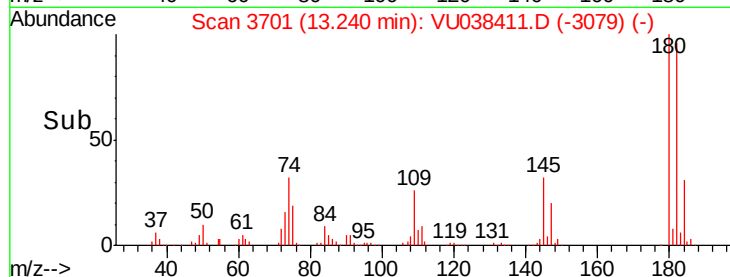
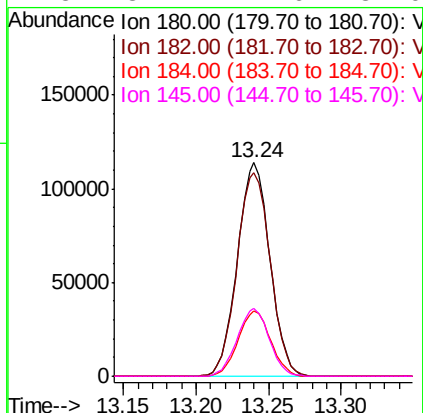
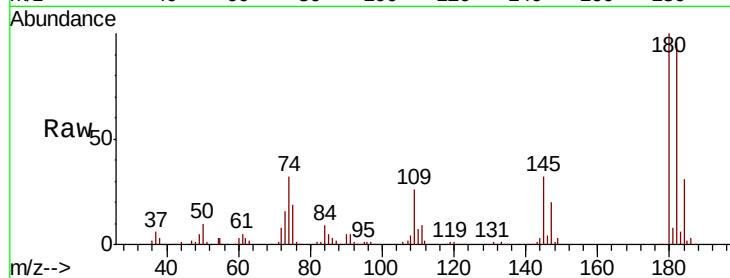




#67
 1,3,5-Trichlorobenzene
 Concen: 5.086 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.00 min
 Lab File: VU038411.D
 Acq: 30 May 2020 13:48

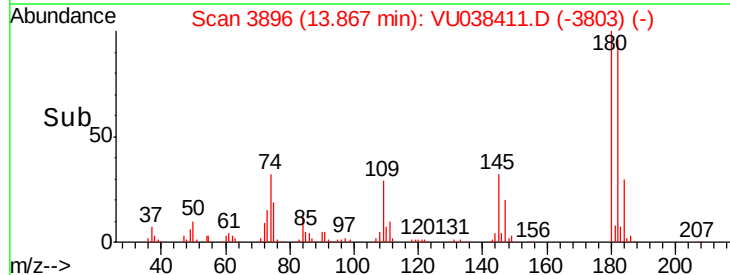
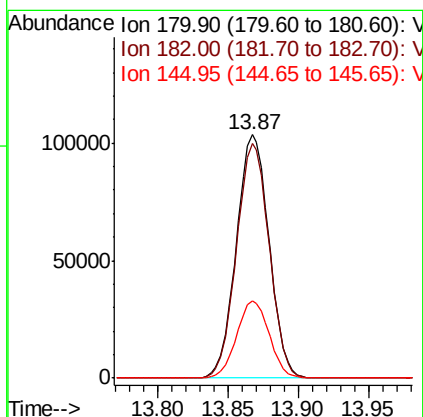
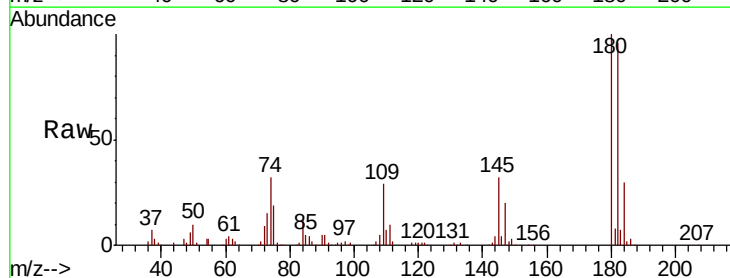
Instrument :
 MSVOA_U
 ClientSampleId :

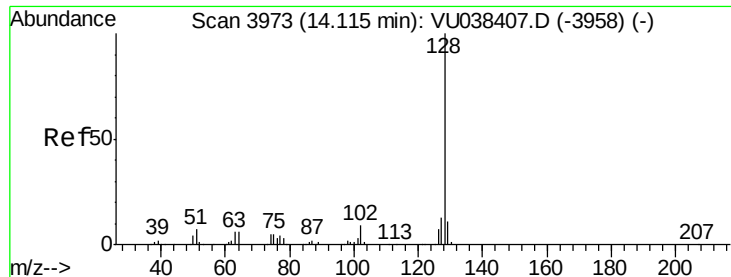
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.9	76.8	115.2
184	30.6	25.1	37.7
145	31.2	24.6	37.0



#68
 1,2,4-trichlorobenzene
 Concen: 5.231 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. -0.00 min
 Lab File: VU038411.D
 Acq: 30 May 2020 13:48

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	75.8	113.8
145	31.6	25.3	37.9





#69

Naphthalene

Concen: 5.569 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.00 min

Lab File: VU038411.D

Acq: 30 May 2020 13:48

Instrument :

MSVOA_U

ClientSampled :

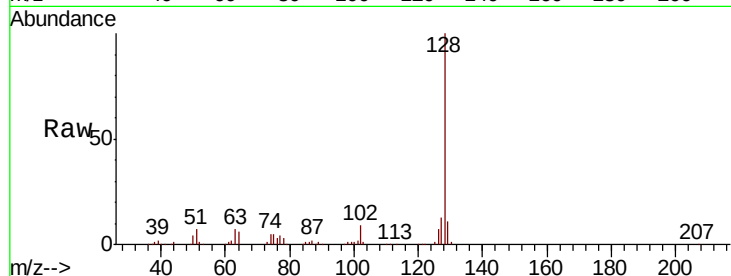
Tot Ion:128 Resp: 357441

Ion Ratio Lower Upper

128 100

129 10.6 8.9 13.3

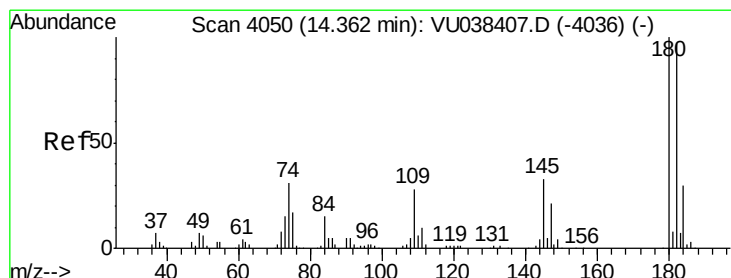
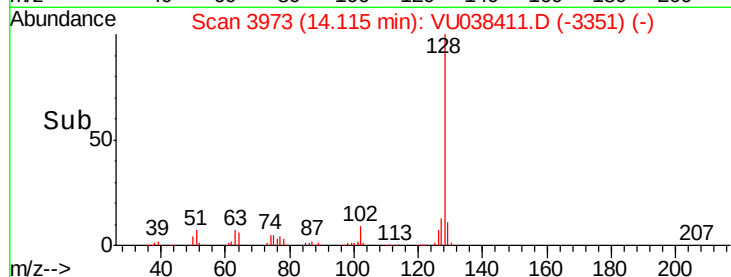
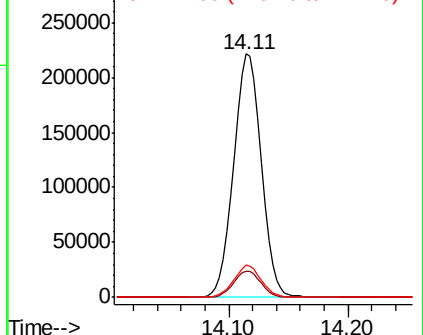
127 12.9 10.2 15.4



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: 5.277 ug/L

RT: 14.36 min Scan# 4050

Delta R.T. -0.00 min

Lab File: VU038411.D

Acq: 30 May 2020 13:48

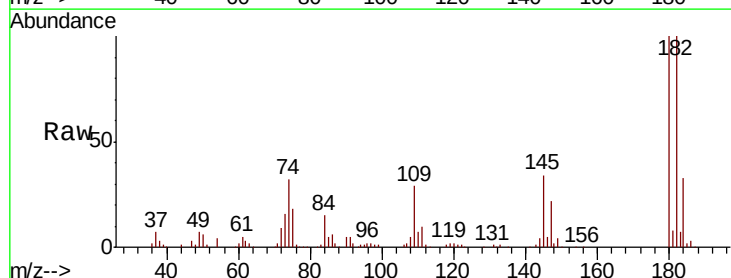
Tgt Ion:180 Resp: 154850

Ion Ratio Lower Upper

180 100

182 97.2 78.7 118.1

145 34.3 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

