

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032720\
 Data File : VU037378.D
 Acq On : 27 Mar 2020 17:58
 Operator : JC/MD
 Sample : VSTD20033
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 28 00:50:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032720WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 28 00:42:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	298448	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	285887	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	158361	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	366539	158.69	ug/L	0.00
7) Chloroethane-d5	1.91	69	285929	153.54	ug/L	-0.01
11) 1,1-Dichloroethene-d2	2.59	63	754088	177.95	ug/L	0.00
21) 2-Butanone-d5	4.67	46	667046	364.91	ug/L	0.00
24) Chloroform-d	5.10	84	771905	173.81	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	490983	151.04	ug/L	0.00
32) Benzene-d6	5.76	84	1506623	191.45	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	490594	190.44	ug/L	0.00
41) Toluene-d8	7.93	98	1422368	189.06	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	277741	198.07	ug/L	0.00
47) 2-Hexanone-d5	8.66	63	567580	425.55	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	764258	191.52	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	588907	179.28	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.39	85	520836	170.771	ug/L	100
3) Chloromethane	1.53	50	437214	175.280	ug/L	99
5) Vinyl chloride	1.62	62	429749	157.216	ug/L	100
6) Bromomethane	1.85	94	200297	190.891	ug/L	96
8) Chloroethane	1.93	64	232387	145.113	ug/L	99
9) Trichlorofluoromethane	2.15	101	586898	140.622	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	369645	189.638	ug/L	99
12) 1,1-Dichloroethene	2.60	96	366045	207.826	ug/L	96
13) Acetone	2.66	43	398680	229.881	ug/L	96
14) Carbon disulfide	2.82	76	1234914	247.301	ug/L	100
15) Methyl Acetate	2.98	43	471785	172.956	ug/L	99
16) Methylene chloride	3.07	84	418712	190.460	ug/L	98
17) trans-1,2-Dichloroethene	3.39	96	391570	212.196	ug/L	99
18) Methyl tert-butyl Ether	3.40	73	1303817	182.962	ug/L	100
19) 1,1-Dichloroethane	3.91	63	719851	174.336	ug/L	99
20) cis-1,2-Dichloroethene	4.71	96	435628	195.172	ug/L #	99
22) 2-Butanone	4.75	43	689607	314.387	ug/L	99
23) Bromochloromethane	5.02	128	229611	203.994	ug/L	97
25) Chloroform	5.13	83	738445	165.386	ug/L	99
27) 1,2-Dichloroethane	5.83	62	591613	148.708	ug/L	97
29) Cyclohexane	5.42	56	676356	200.119	ug/L	99
30) 1,1,1-Trichloroethane	5.35	97	686198	180.831	ug/L	100
31) Carbon tetrachloride	5.56	117	605750	180.668	ug/L	99
33) Benzene	5.81	78	1610335	191.101	ug/L	100
34) Trichloroethene	6.57	95	437138	199.635	ug/L	99
35) Methylcyclohexane	6.79	83	705927	212.940	ug/L	99
37) 1,2-Dichloropropane	6.82	63	427012	178.274	ug/L	99
38) Bromodichloromethane	7.13	83	601668	179.672	ug/L	99
39) cis-1,3-Dichloropropene	7.63	75	733130	197.399	ug/L	100
40) 4-Methyl-2-pentanone	7.82	43	1357072	348.045	ug/L #	100

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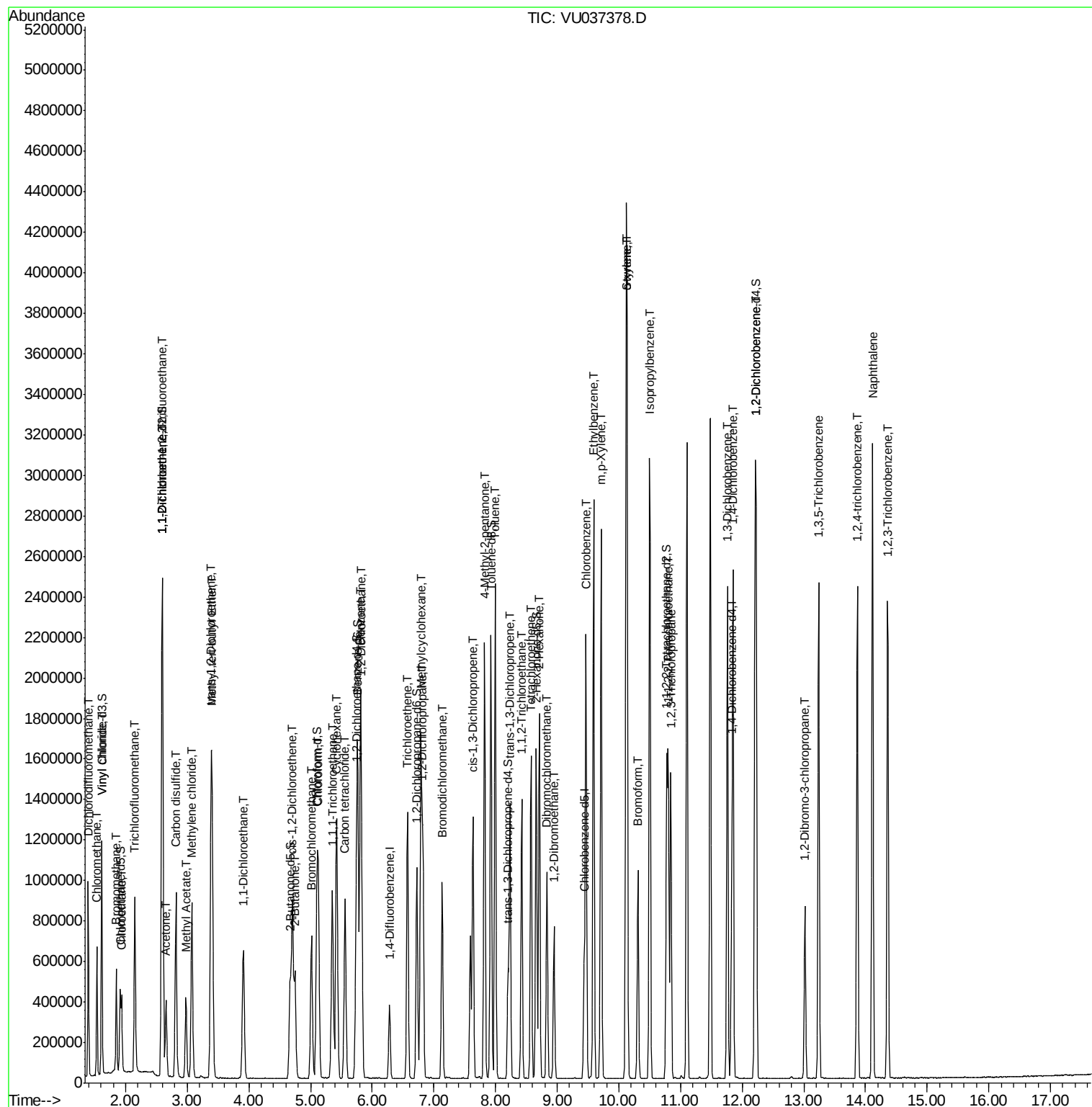
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	1757473	190.988	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	722862	206.142	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	421160	193.107	ug/L	99
46) Tetrachloroethene	8.57	164	346425	212.952	ug/L	96
48) 2-Hexanone	8.71	43	1082301	352.227	ug/L	99
49) Dibromochloromethane	8.84	129	510676	199.028	ug/L	99
50) 1,2-Dibromoethane	8.95	107	475016	201.822	ug/L	99
51) Chlorobenzene	9.47	112	1144291	197.732	ug/L	100
52) Ethylbenzene	9.59	91	2002818	187.968	ug/L	99
53) m,p-Xylene	9.71	106	764537	202.865	ug/L	99
54) o-xylene	10.12	106	745130	200.123	ug/L	100
55) Styrene	10.13	104	1305546	206.761	ug/L	99
56) Isopropylbenzene	10.50	105	1994961	192.767	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.80	83	762022	191.414	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	606795	182.241	ug/L	99
61) Bromoform	10.31	173	448920	202.962	ug/L	98
62) 1,3-Dichlorobenzene	11.76	146	973774	194.003	ug/L	100
63) 1,4-Dichlorobenzene	11.85	146	981042	193.382	ug/L	98
65) 1,2-Dichlorobenzene	12.23	146	943941	184.126	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	220372	194.977	ug/L	99
67) 1,3,5-Trichlorobenzene	13.24	180	770061	210.515	ug/L	100
68) 1,2,4-trichlorobenzene	13.87	180	751206	262.992	ug/L	99
69) Naphthalene	14.11	128	2455811	566.914	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	741435	247.350	ug/L	100

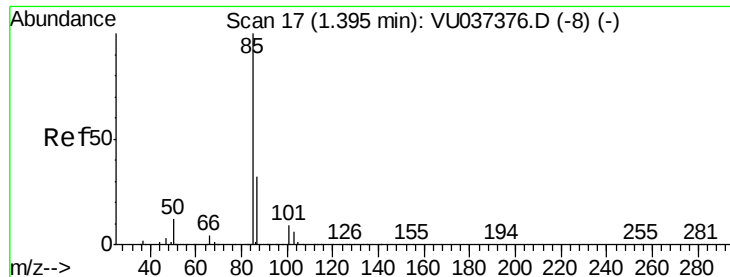
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 170.771 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU037378.D

Acq: 27 Mar 2020 17:58

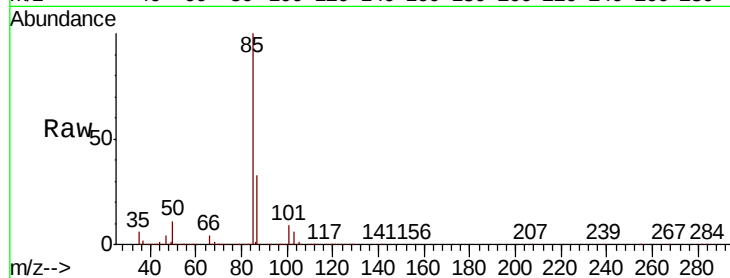
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 520836

Ion Ratio Lower Upper

85 100

87 32.8 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU037378.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU037378.D (-8) (-)

1.39

500000

400000

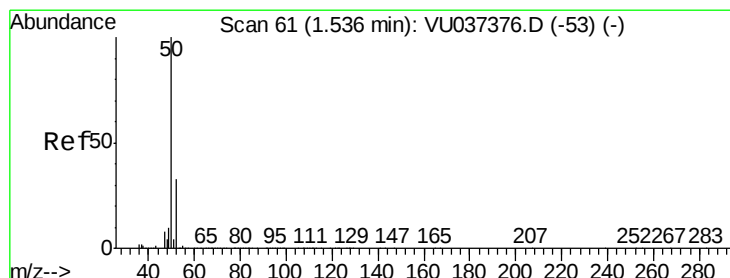
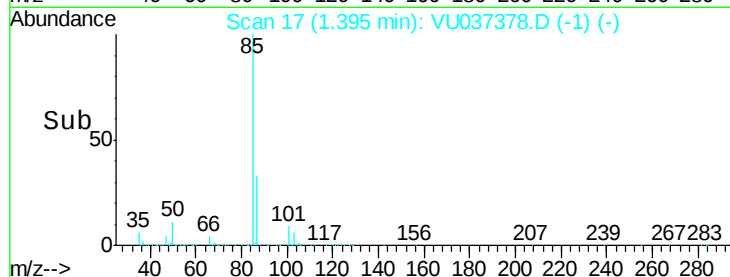
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 175.280 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU037378.D

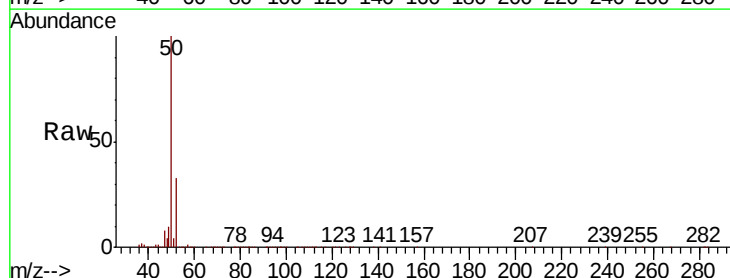
Acq: 27 Mar 2020 17:58

Tgt Ion: 50 Resp: 437214

Ion Ratio Lower Upper

50 100

52 32.8 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VU037378.D (-53) (-)

Ion 52.00 (51.70 to 52.70): VU037378.D (-53) (-)

1.53

400000

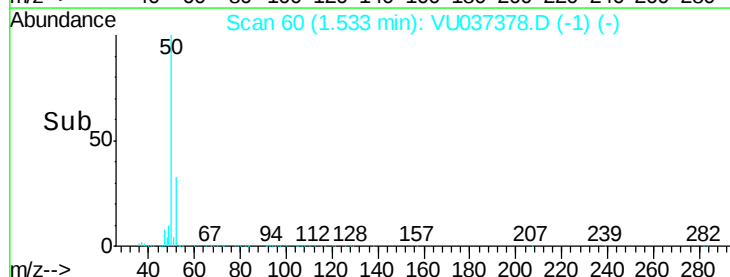
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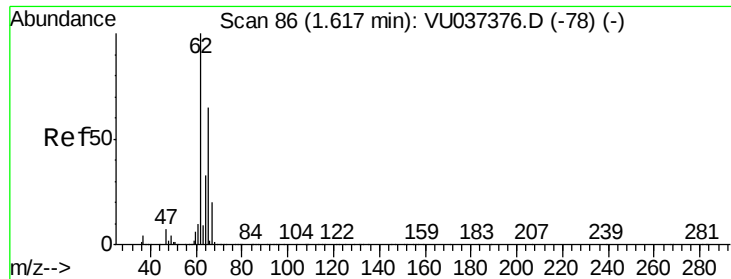
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 157.216 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU037378.D

Acq: 27 Mar 2020 17:58

Instrument :

MSVOA_U

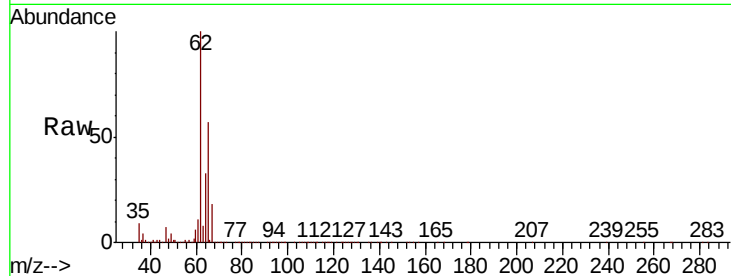
ClientSampled :

Tot Ion: 62 Resp: 429749

Ion Ratio Lower Upper

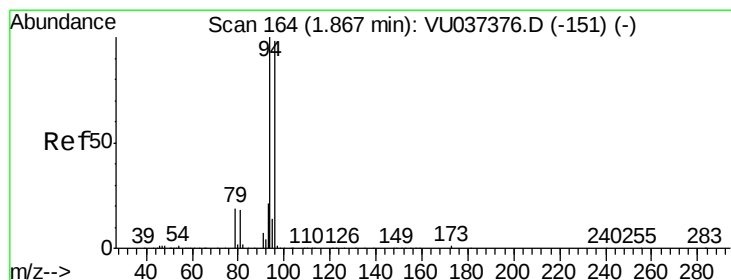
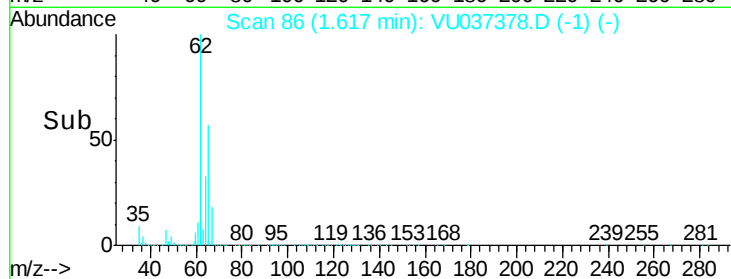
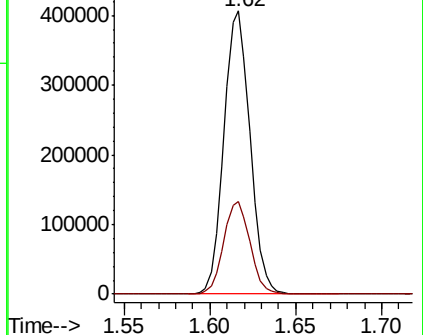
62 100

64 32.8 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU037378.D (-78) (-)

Ion 64.00 (63.70 to 64.70): VU037378.D (-78) (-)



#6

Bromomethane

Concen: 190.891 ug/L

RT: 1.85 min Scan# 158

Delta R.T. -0.02 min

Lab File: VU037378.D

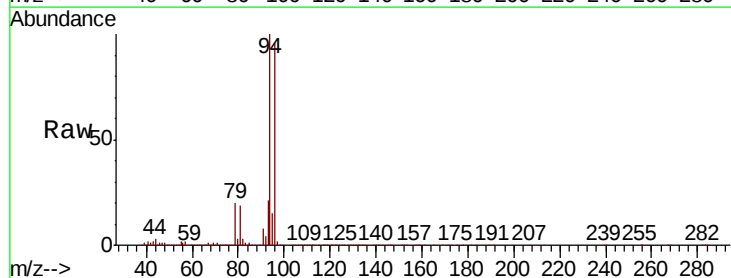
Acq: 27 Mar 2020 17:58

Tgt Ion: 94 Resp: 200297

Ion Ratio Lower Upper

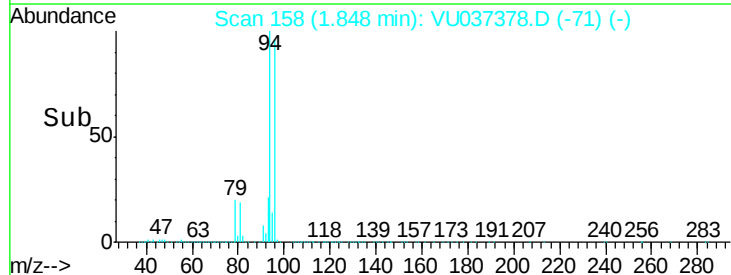
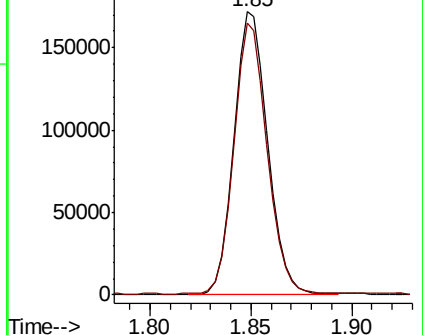
94 100

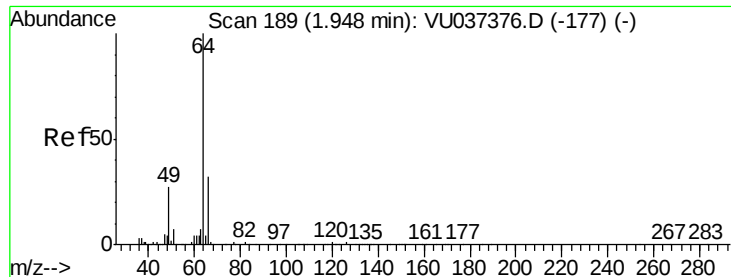
96 96.2 69.9 129.7



Abundance Ion 94.00 (93.70 to 94.70): VU037378.D (-151) (-)

Ion 96.00 (95.70 to 96.70): VU037378.D (-151) (-)

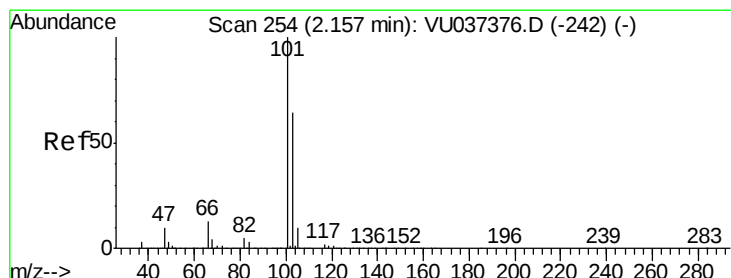
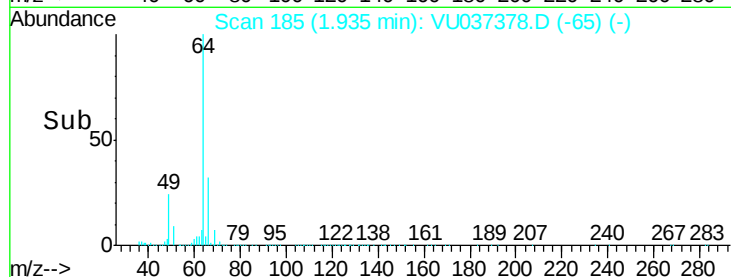
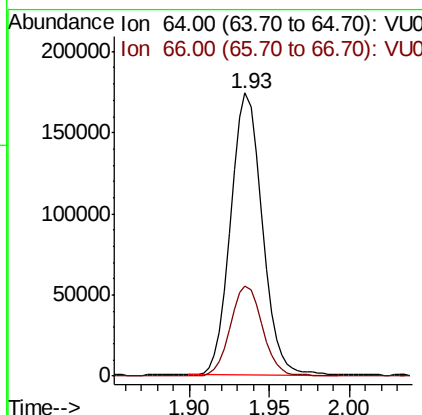
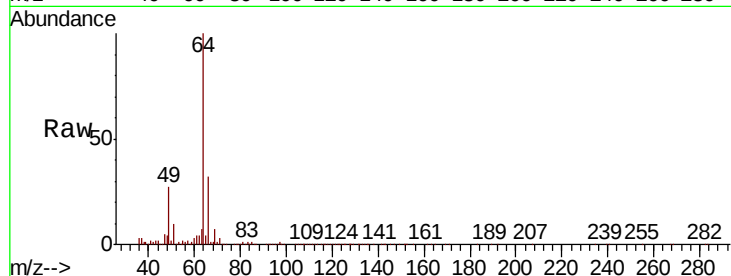




#8
Chloroethane
Concen: 145.113 ug/L
RT: 1.93 min Scan# 185
Delta R.T. -0.01 min
Lab File: VU037378.D
Acq: 27 Mar 2020 17:58

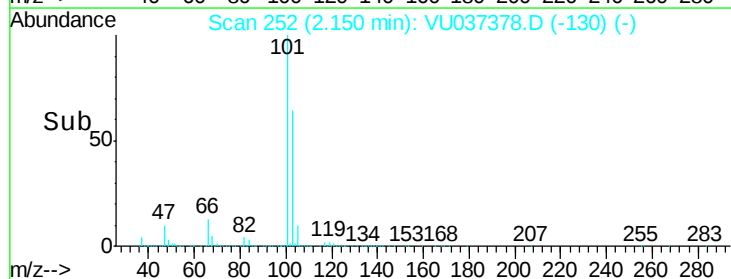
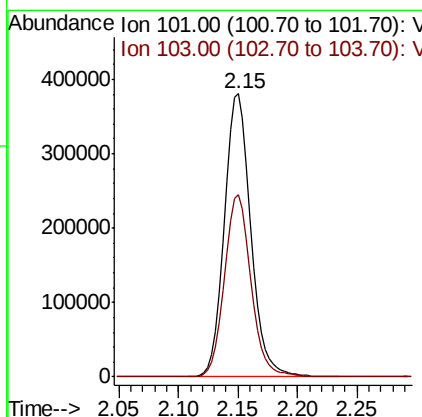
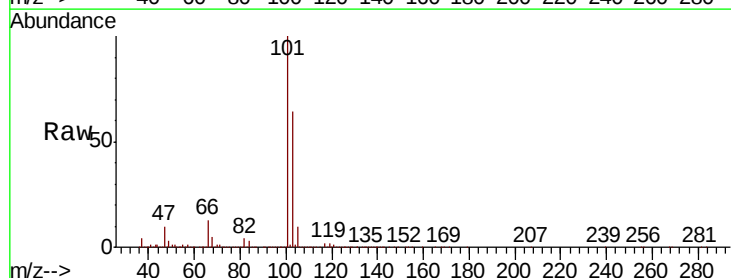
Instrument :
MSVOA_U
ClientSampleId :

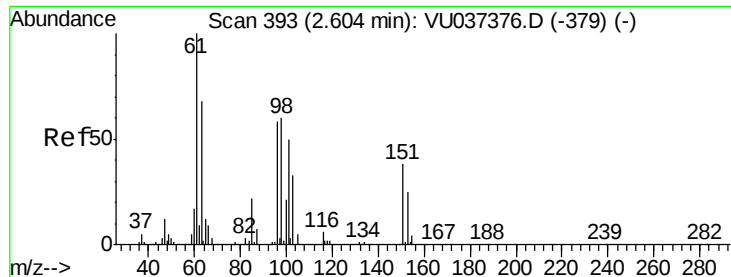
Tot Ion: 64 Resp: 232387
Ion Ratio Lower Upper
64 100
66 31.9 22.8 42.4



#9
Trichlorofluoromethane
Concen: 140.622 ug/L
RT: 2.15 min Scan# 252
Delta R.T. -0.01 min
Lab File: VU037378.D
Acq: 27 Mar 2020 17:58

Tgt Ion: 101 Resp: 586898
Ion Ratio Lower Upper
101 100
103 64.5 51.8 77.8





#10

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

Concen: 189.638 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.00 min

Lab File: VU037378.D

Acq: 27 Mar 2020 17:58

Instrument :

MSVOA_U

ClientSampled :

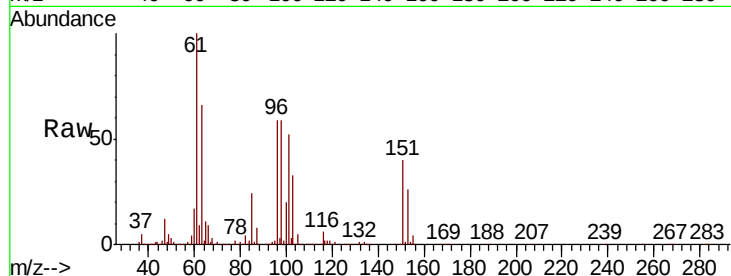
Tot Ion:101 Resp: 369645

Ion Ratio Lower Upper

101 100

85 44.4 35.6 53.4

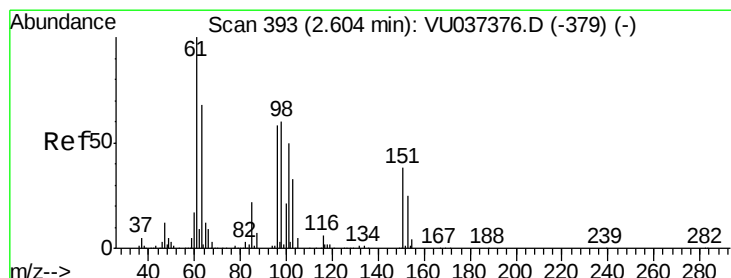
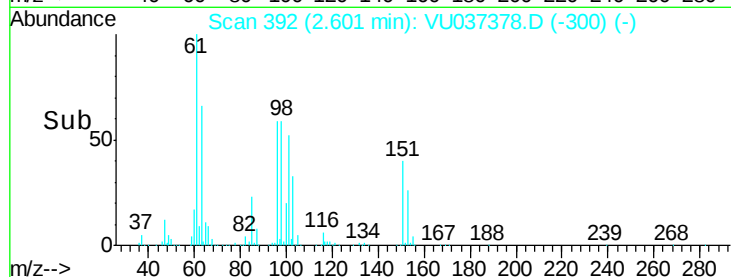
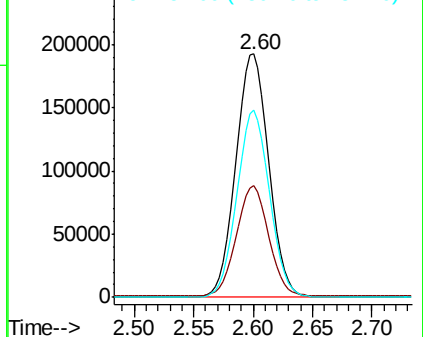
151 76.2 60.2 90.4



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: 207.826 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.00 min

Lab File: VU037378.D

Acq: 27 Mar 2020 17:58

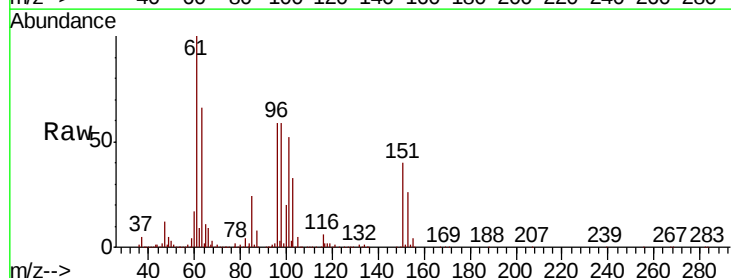
Tgt Ion: 96 Resp: 366045

Ion Ratio Lower Upper

96 100

61 168.3 120.0 222.8

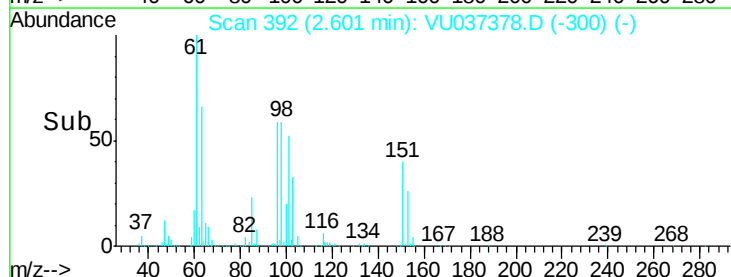
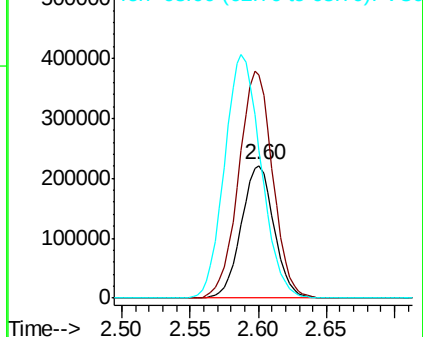
63 110.7 83.3 154.7

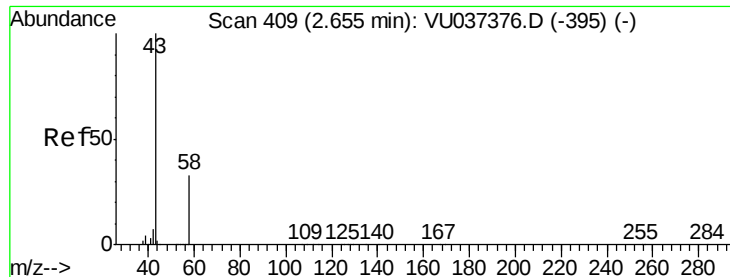


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 229.881 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU037378.D

Acq: 27 Mar 2020 17:58

Instrument :

MSVOA_U

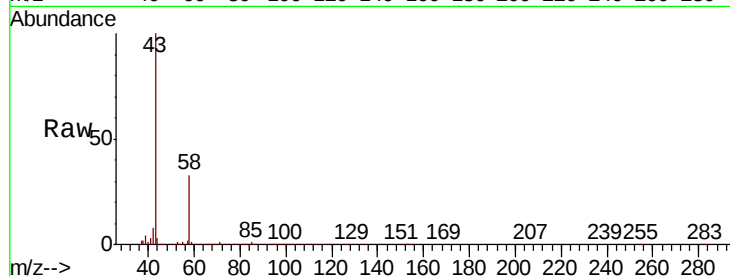
ClientSampleId :

Tot Ion: 43 Resp: 398680

Ion Ratio Lower Upper

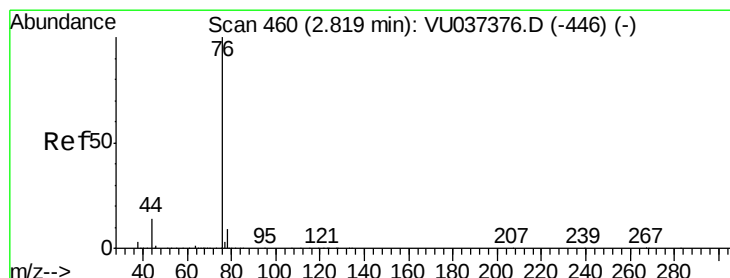
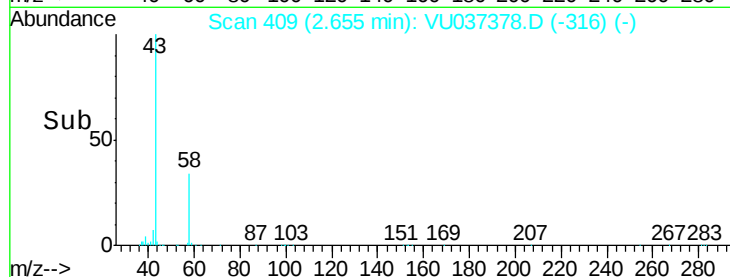
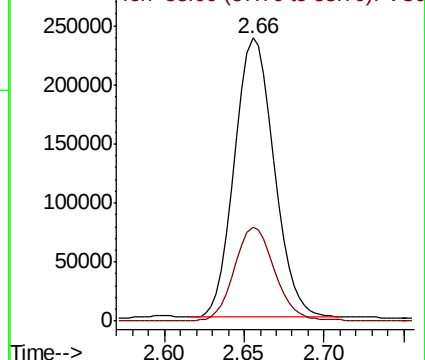
43 100

58 33.7 0.0 62.8



Abundance Ion 43.00 (42.70 to 43.70): VU037376.D (-395) (-)

Ion 58.00 (57.70 to 58.70): VU037376.D (-395) (-)



#14

Carbon disulfide

Concen: 247.301 ug/L

RT: 2.82 min Scan# 459

Delta R.T. -0.00 min

Lab File: VU037378.D

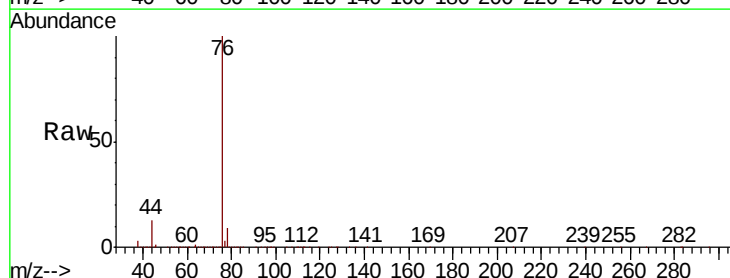
Acq: 27 Mar 2020 17:58

Tgt Ion: 76 Resp: 1234914

Ion Ratio Lower Upper

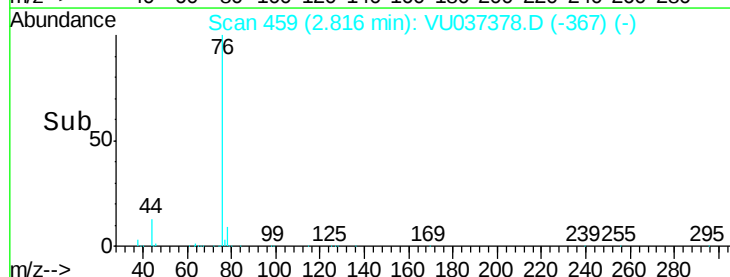
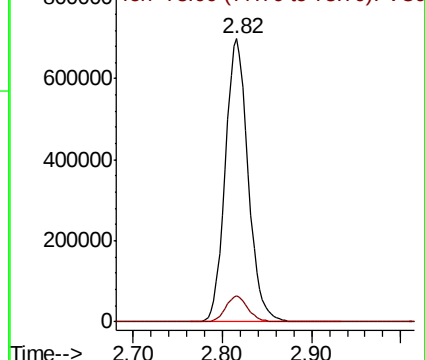
76 100

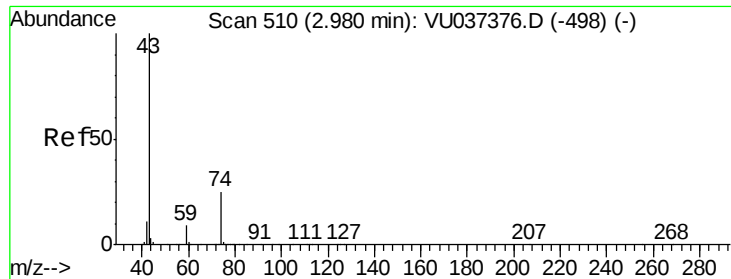
78 9.2 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU037376.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU037376.D (-446) (-)

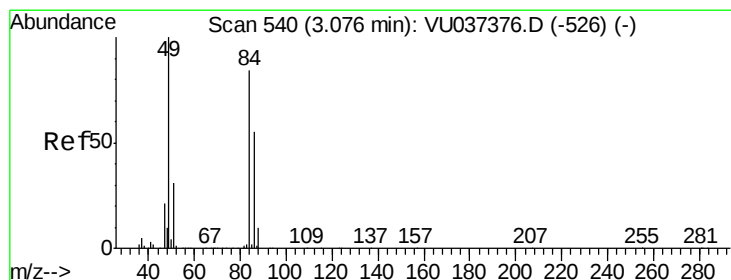
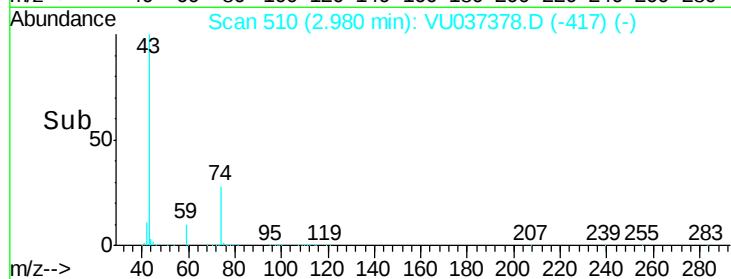
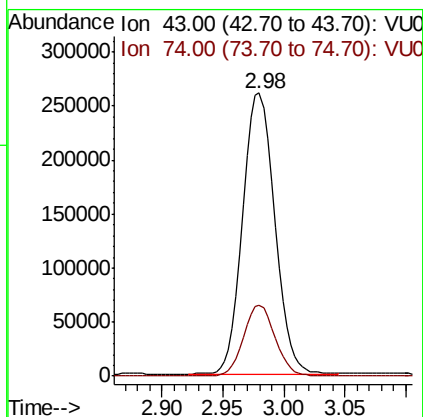
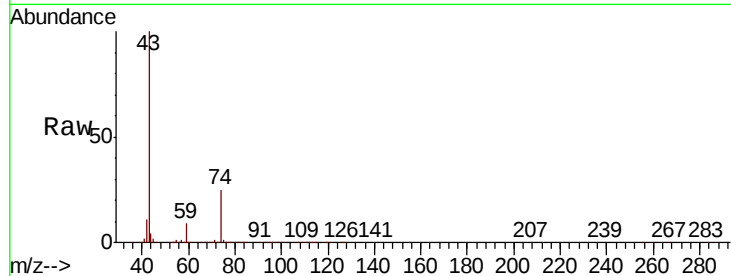




#15
Methyl Acetate
Concen: 172.956 ug/L
RT: 2.98 min Scan# 510
Delta R.T. 0.00 min
Lab File: VU037378.D
Acq: 27 Mar 2020 17:58

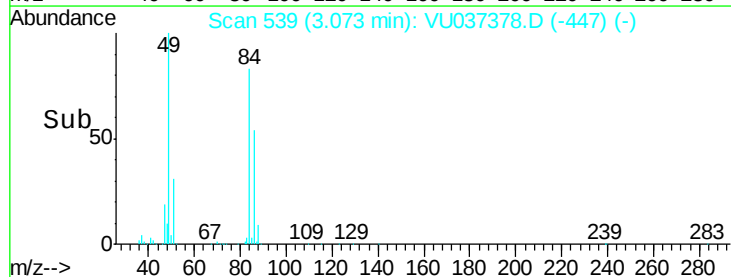
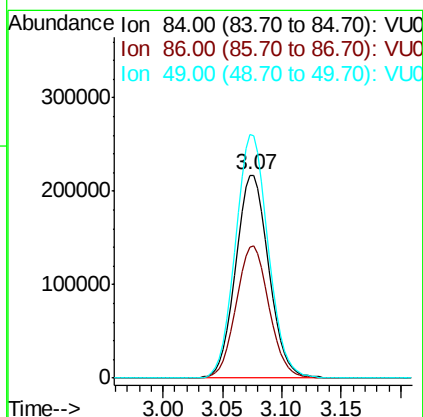
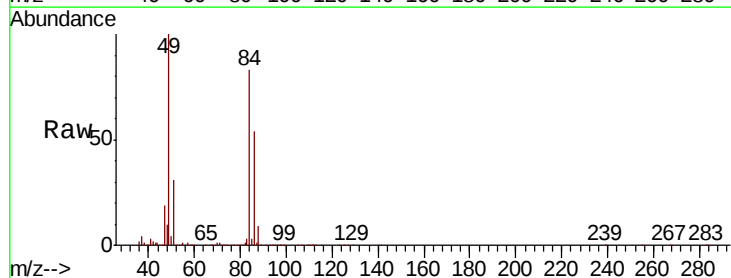
Instrument :
MSVOA_U
ClientSampleId :

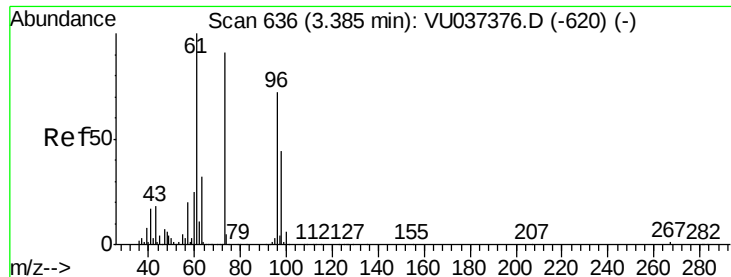
Tot Ion: 43 Resp: 471785
Ion Ratio Lower Upper
43 100
74 24.7 20.1 30.1



#16
Methylene chloride
Concen: 190.460 ug/L
RT: 3.07 min Scan# 539
Delta R.T. -0.00 min
Lab File: VU037378.D
Acq: 27 Mar 2020 17:58

Tgt Ion: 84 Resp: 418712
Ion Ratio Lower Upper
84 100
86 64.8 45.9 85.3
49 120.1 82.7 153.5

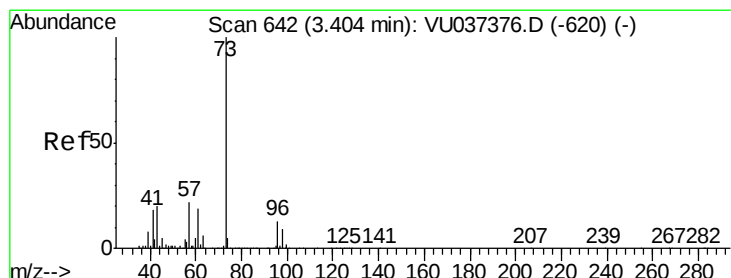
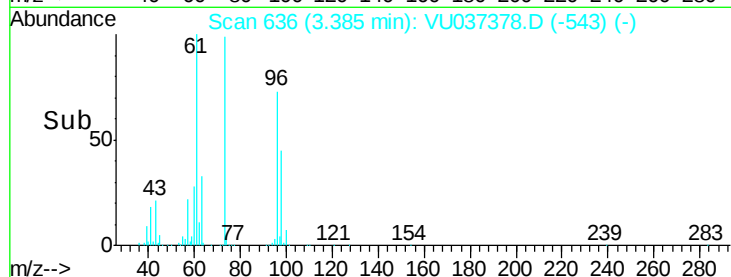
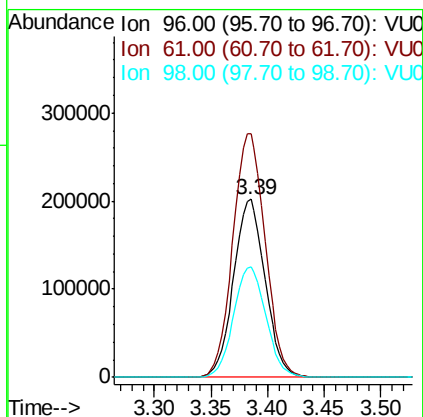
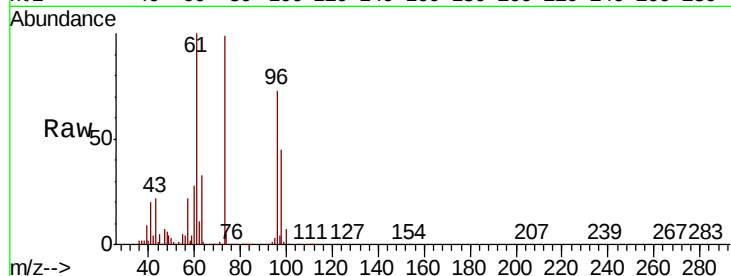




#17
trans-1,2-Dichloroethene
Concen: 212.196 ug/L
RT: 3.39 min Scan# 636
Delta R.T. 0.00 min
Lab File: VU037378.D
Acq: 27 Mar 2020 17:58

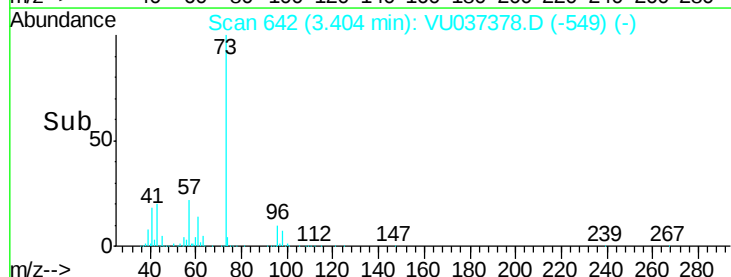
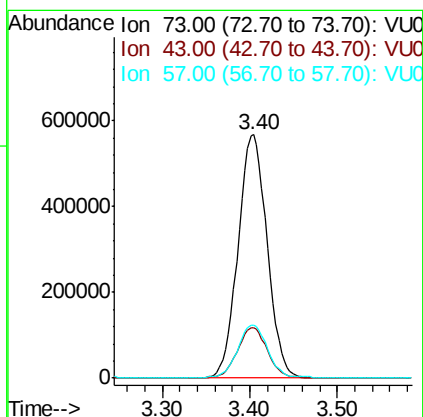
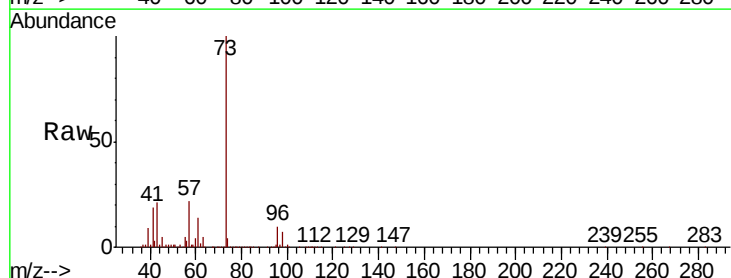
Instrument :
MSVOA_U
ClientSampleId :

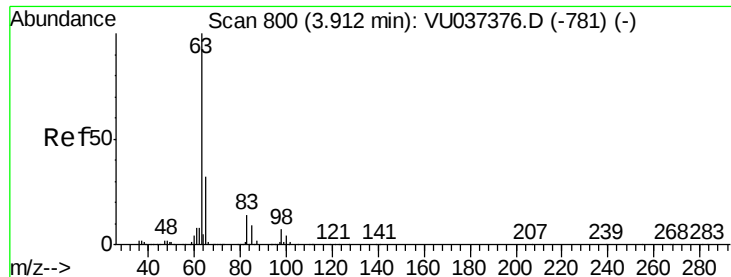
Tot Ion: 96 Resp: 391570
Ion Ratio Lower Upper
96 100
61 136.8 96.6 179.4
98 62.2 43.4 80.6



#18
Methyl tert-butyl Ether
Concen: 182.962 ug/L
RT: 3.40 min Scan# 642
Delta R.T. 0.00 min
Lab File: VU037378.D
Acq: 27 Mar 2020 17:58

Tgt Ion: 73 Resp: 1303817
Ion Ratio Lower Upper
73 100
43 20.6 16.2 24.4
57 21.8 17.3 25.9

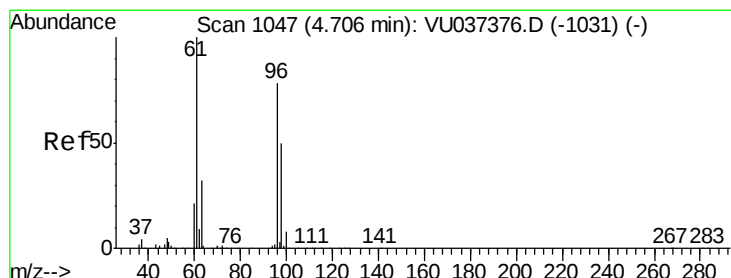
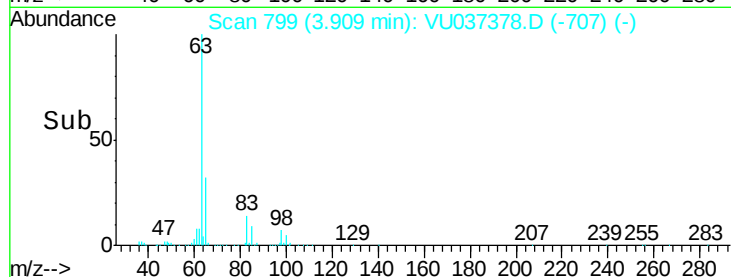
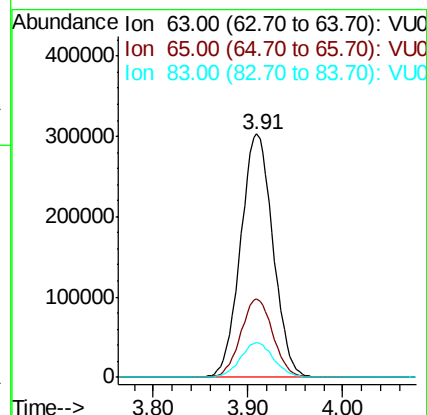
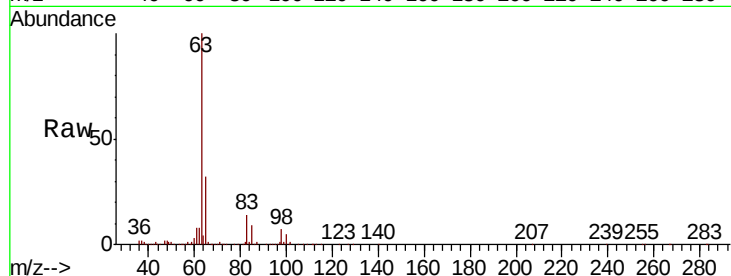




#19
 1,1-Dichloroethane
 Concen: 174.336 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: VU037378.D
 Acq: 27 Mar 2020 17:58

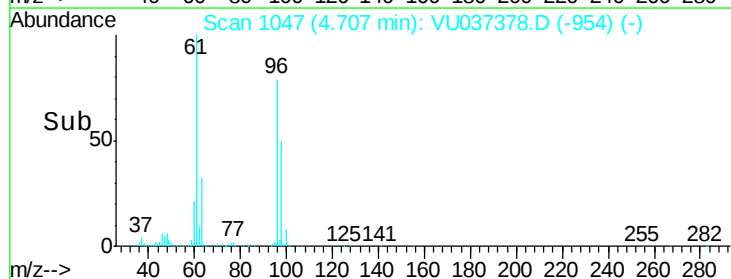
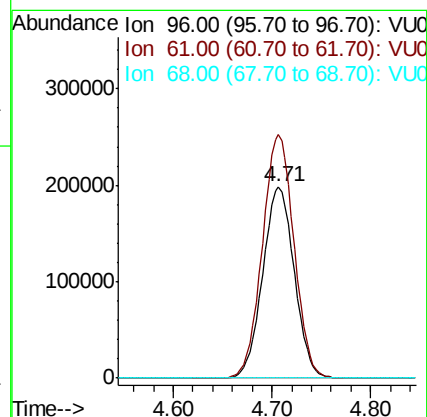
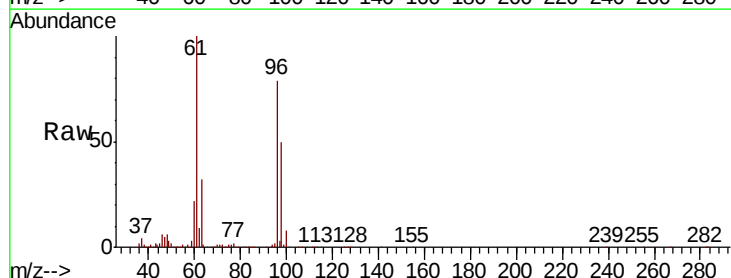
Instrument :
 MSVOA_U
 ClientSampleId :

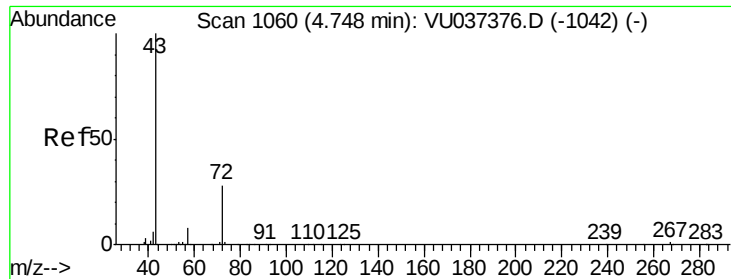
Tot Ion:	63	Resp:	719851
Ion	Ratio	Lower	Upper
63	100		
65	32.4	22.4	41.6
83	14.1	10.6	19.6



#20
 cis-1,2-Dichloroethene
 Concen: 195.172 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. 0.00 min
 Lab File: VU037378.D
 Acq: 27 Mar 2020 17:58

Tgt Ion:	96	Resp:	435628
Ion	Ratio	Lower	Upper
96	100		
61	127.0	89.4	166.0
68	0.1	0.3	0.7#





#22

2-Butanone

Concen: 314.387 ug/L

RT: 4.75 min Scan# 1060

Delta R.T. 0.00 min

Lab File: VU037378.D

Acq: 27 Mar 2020 17:58

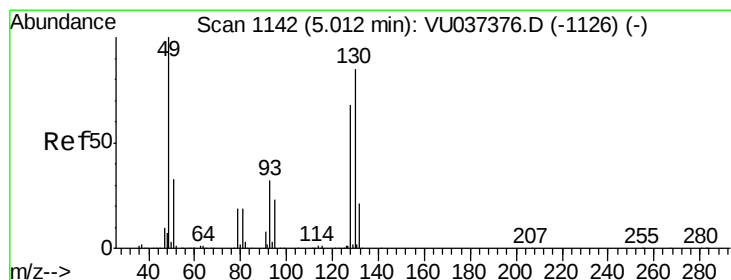
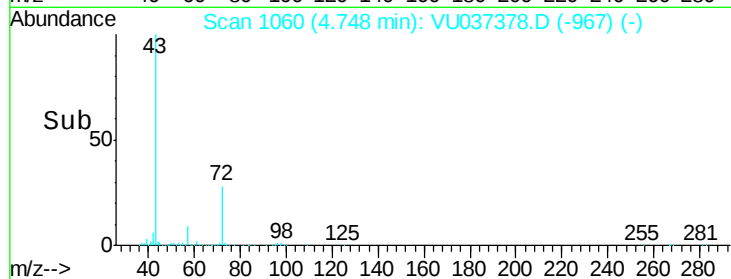
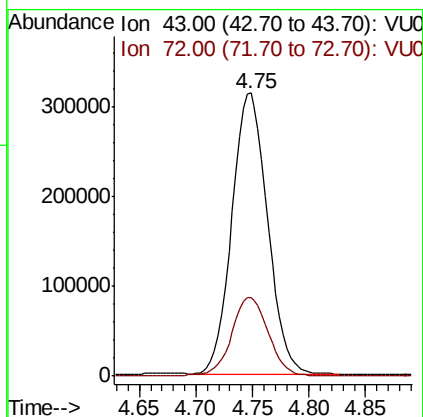
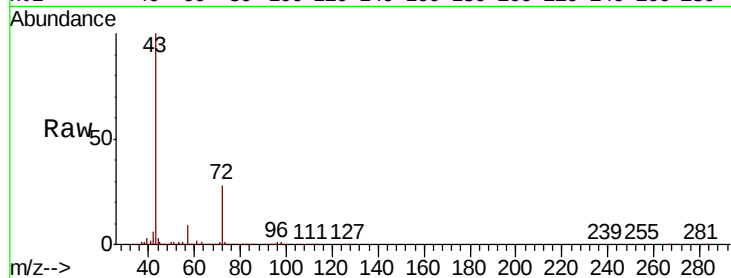
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 689607

Ion Ratio Lower Upper

43 100

72 28.8 14.1 42.2



#23

Bromochloromethane

Concen: 203.994 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU037378.D

Acq: 27 Mar 2020 17:58

Tgt Ion: 128 Resp: 229611

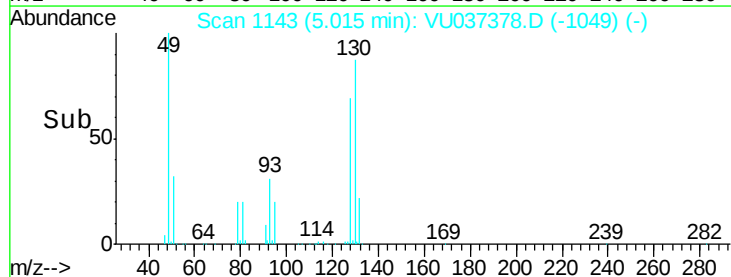
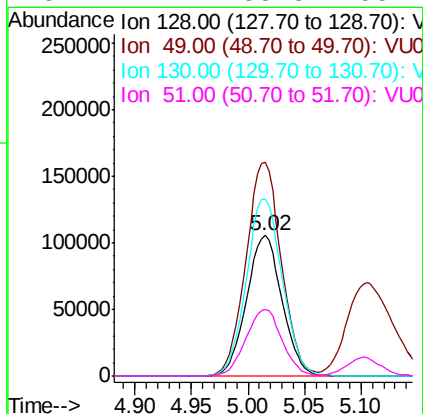
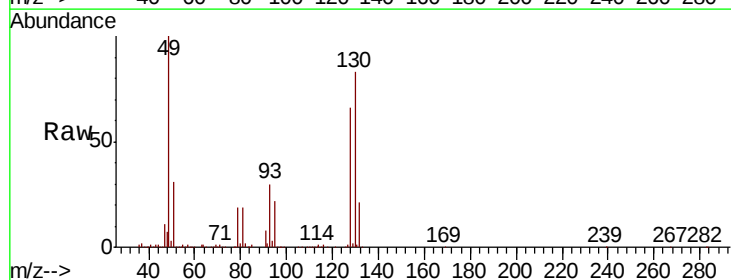
Ion Ratio Lower Upper

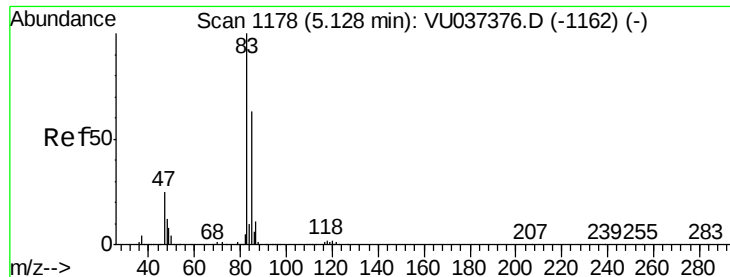
128 100

49 151.8 102.6 190.6

130 126.0 86.7 161.1

51 47.7 38.8 58.2





#25

Chloroform

Concen: 165.386 ug/L

RT: 5.13 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VU037378.D

Acq: 27 Mar 2020 17:58

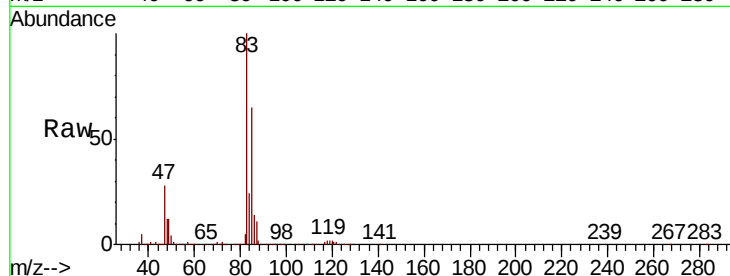
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 738445

Ion Ratio Lower Upper

83 100

85 65.1 45.1 83.7



Abundance Ion 83.00 (82.70 to 83.70): VU037378.D (-1085) (-)

Ion 85.00 (84.70 to 85.70): VU037378.D (-1085) (-)

5.13

400000

300000

200000

100000

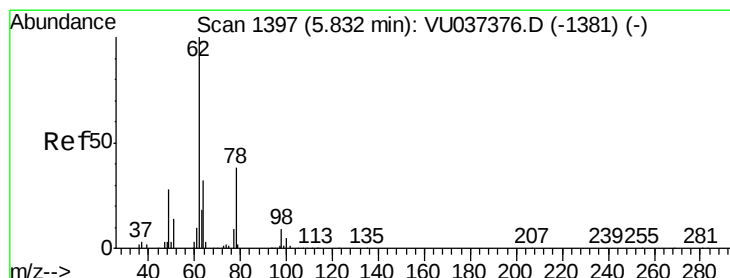
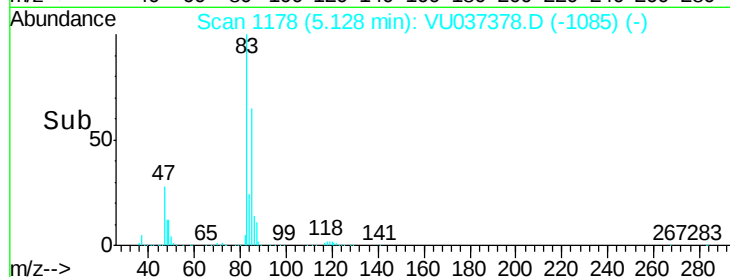
0

Time-->

5.00

5.10

5.20



#27

1,2-Dichloroethane

Concen: 148.708 ug/L

RT: 5.83 min Scan# 1396

Delta R.T. -0.00 min

Lab File: VU037378.D

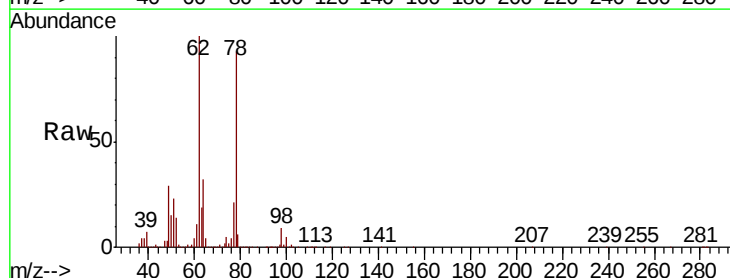
Acq: 27 Mar 2020 17:58

Tgt Ion: 62 Resp: 591613

Ion Ratio Lower Upper

62 100

98 8.7 7.7 11.5



Abundance Ion 62.00 (61.70 to 62.70): VU037378.D (-1304) (-)

Ion 98.00 (97.70 to 98.70): VU037378.D (-1304) (-)

5.83

300000

200000

100000

0

Time-->

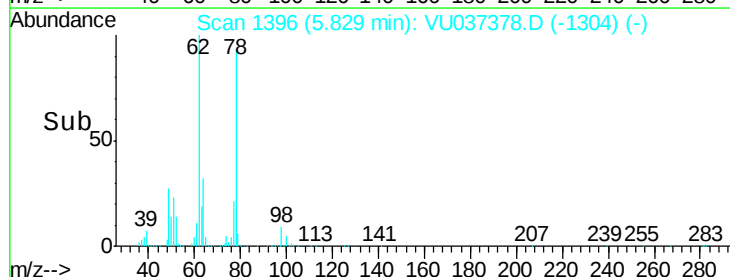
5.75

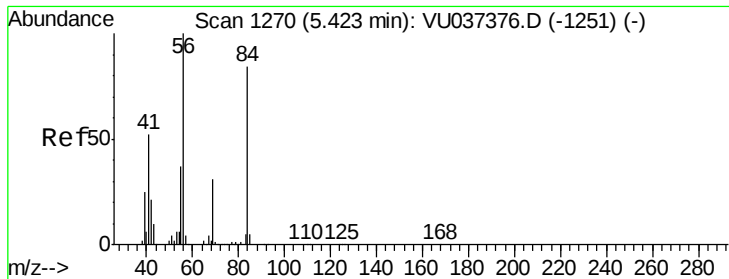
5.80

5.85

5.90

5.95

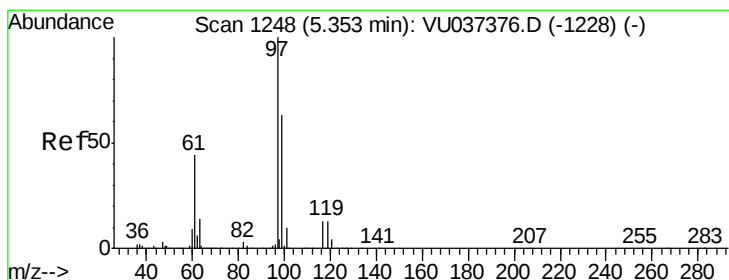
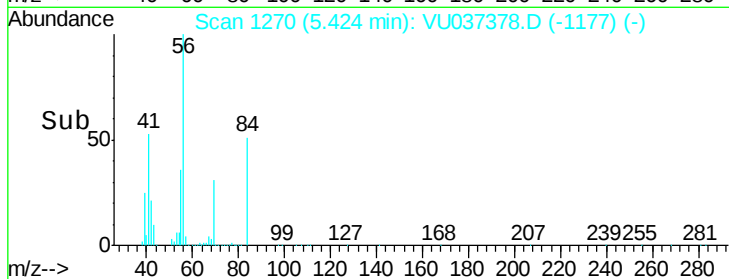
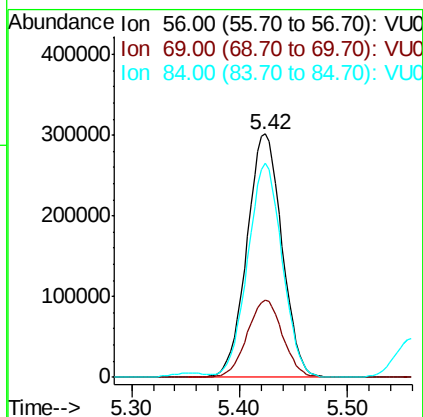
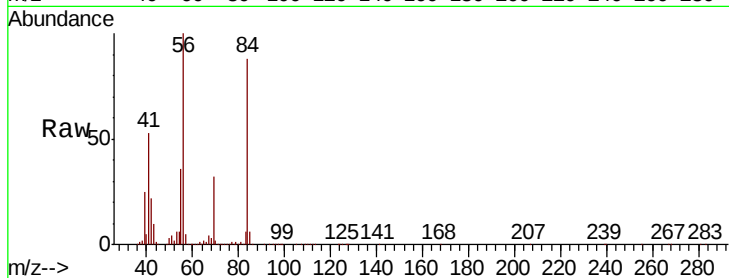




#29
Cyclohexane
Concen: 200.119 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VU037378.D
Acq: 27 Mar 2020 17:58

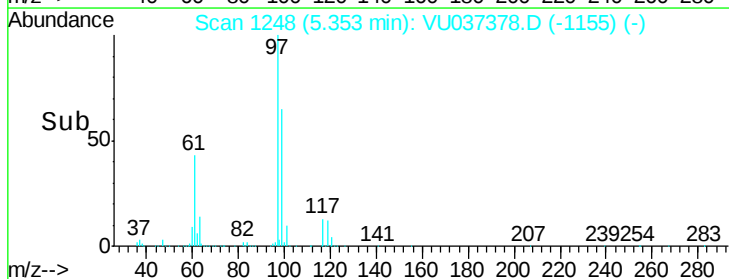
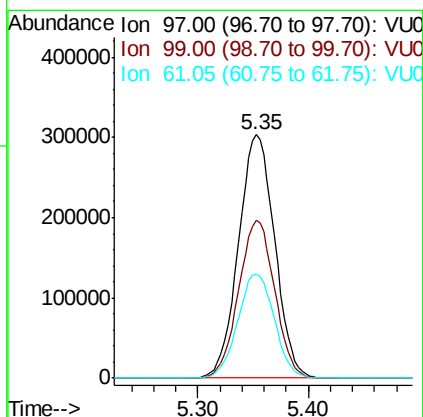
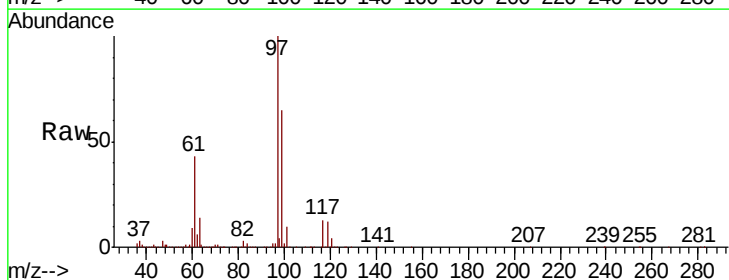
Instrument :
MSVOA_U
ClientSampleId :

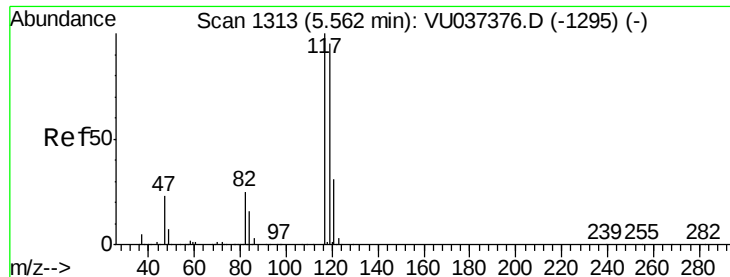
Tot Ion: 56 Resp: 676356
Ion Ratio Lower Upper
56 100
69 31.8 25.8 38.6
84 87.0 70.1 105.1



#30
1,1,1-Trichloroethane
Concen: 180.831 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VU037378.D
Acq: 27 Mar 2020 17:58

Tgt Ion: 97 Resp: 686198
Ion Ratio Lower Upper
97 100
99 64.4 51.4 77.0
61 43.4 35.1 52.7

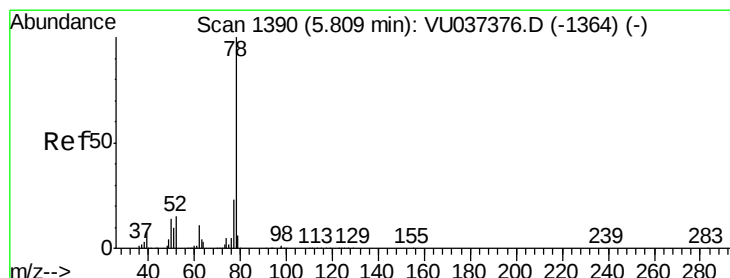
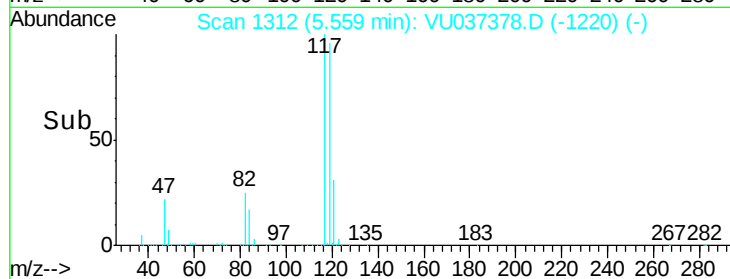
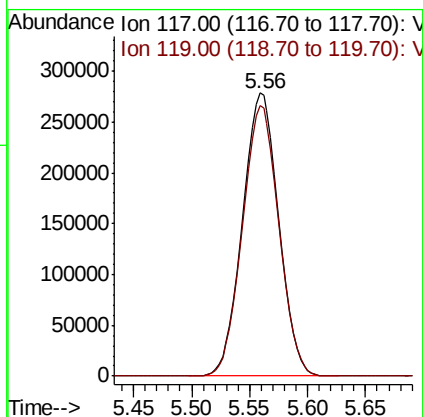
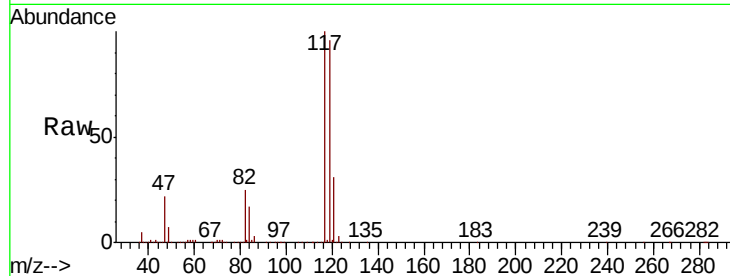




#31
Carbon tetrachloride
Concen: 180.668 ug/L
RT: 5.56 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU037378.D
Acq: 27 Mar 2020 17:58

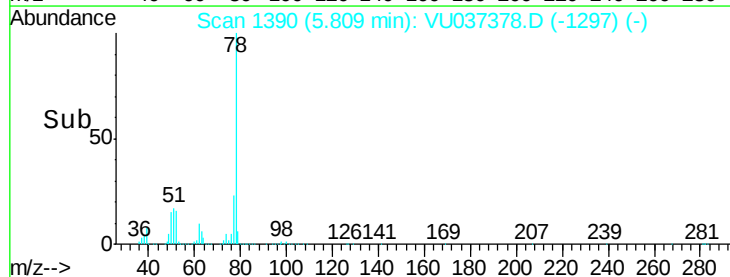
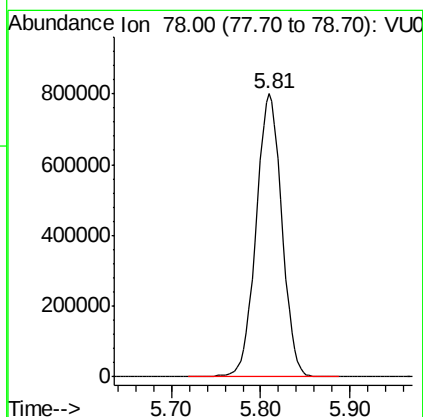
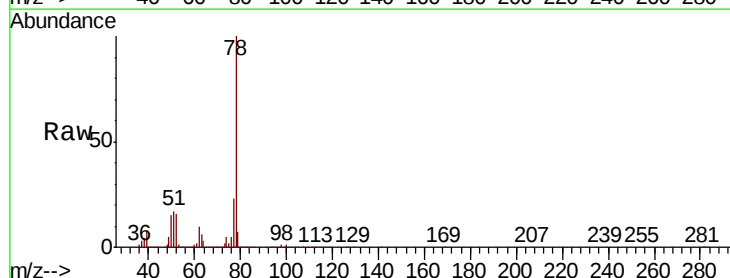
Instrument :
MSVOA_U
ClientSampleId :

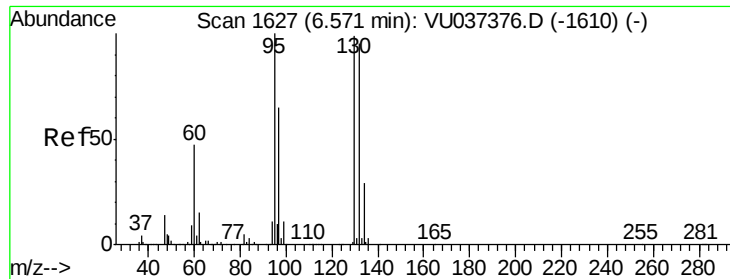
Tot Ion:117 Resp: 605750
Ion Ratio Lower Upper
117 100
119 96.1 77.7 116.5



#33
Benzene
Concen: 191.101 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU037378.D
Acq: 27 Mar 2020 17:58

Tgt Ion: 78 Resp: 1610335

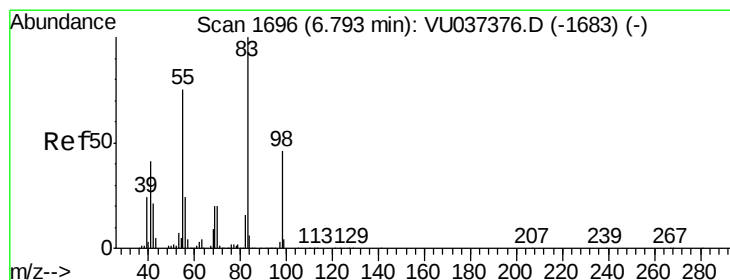
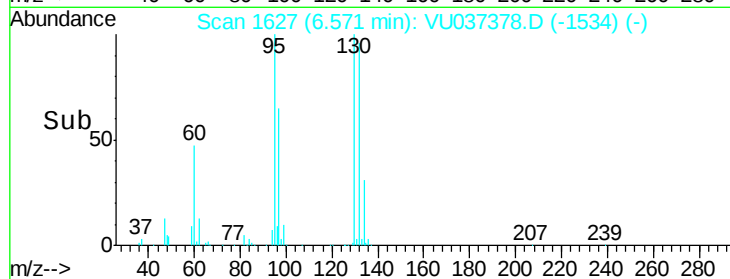
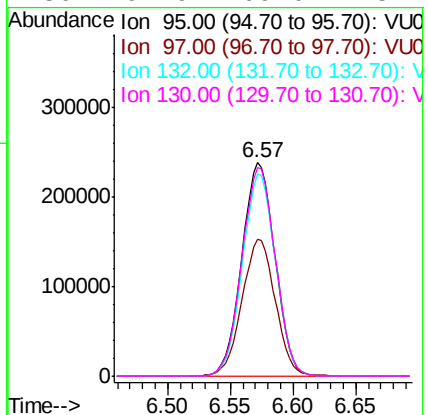
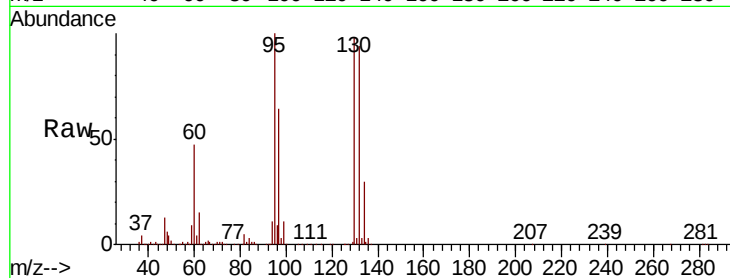




#34
 Trichloroethene
 Concen: 199.635 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU037378.D
 Acq: 27 Mar 2020 17:58

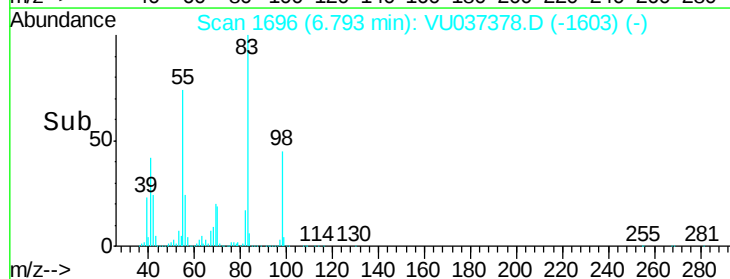
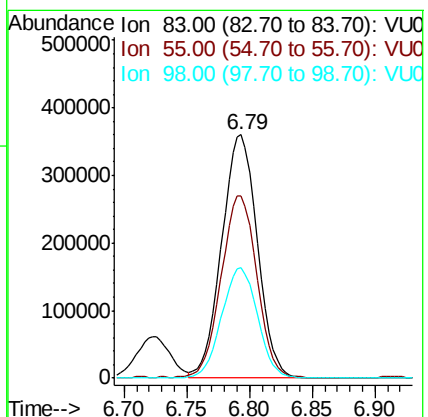
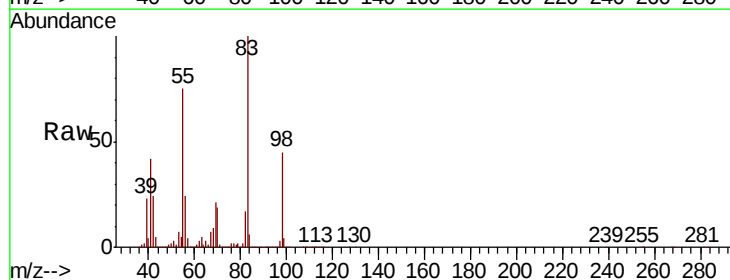
Instrument :
 MSVOA_U
 ClientSampleId :

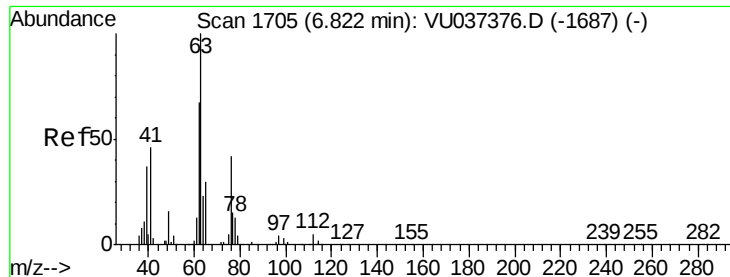
Tot Ion:	95	Resp:	437138
Ion	Ratio	Lower	Upper
95	100		
97	64.1	46.1	85.5
132	94.5	66.3	123.1
130	97.9	69.0	128.1



#35
 Methylcyclohexane
 Concen: 212.940 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. 0.00 min
 Lab File: VU037378.D
 Acq: 27 Mar 2020 17:58

Tgt Ion:	83	Resp:	705927
Ion	Ratio	Lower	Upper
83	100		
55	74.5	60.1	90.1
98	45.5	36.9	55.3





#37

1,2-Dichloropropane

Concen: 178.274 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. 0.00 min

Lab File: VU037378.D

Acq: 27 Mar 2020 17:58

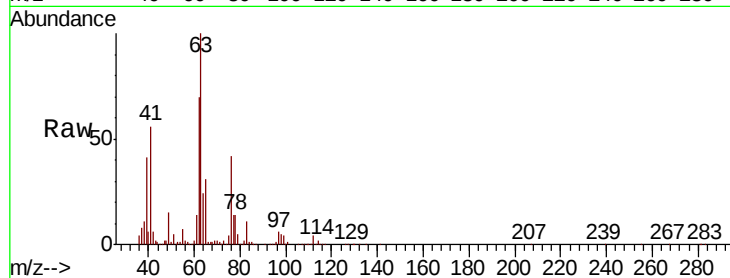
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 63 Resp: 427012

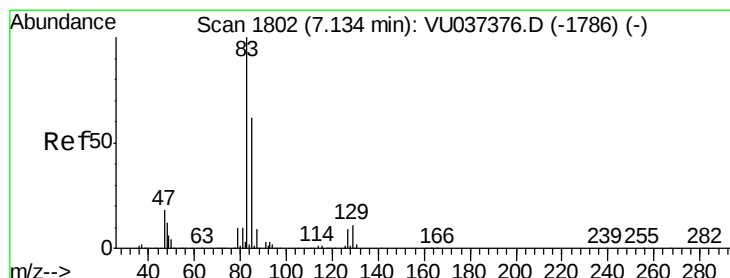
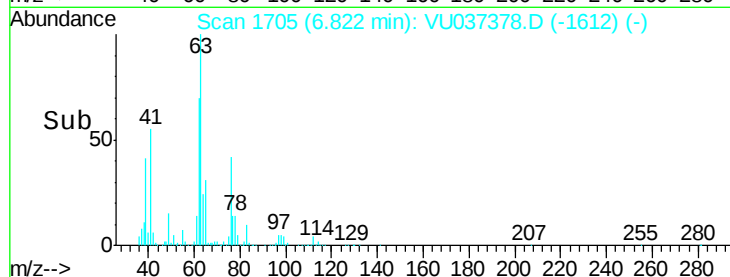
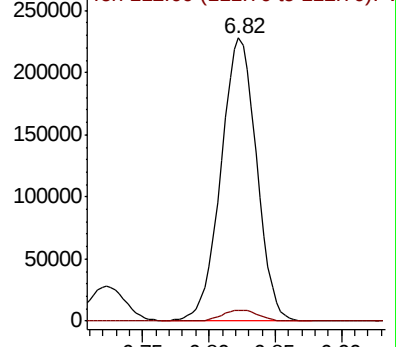
Ion Ratio Lower Upper

63 100

112 3.9 3.4 5.0



Abundance Ion 63.00 (62.70 to 63.70): VU037376.D (-1687) (-)



#38

Bromodichloromethane

Concen: 179.672 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VU037378.D

Acq: 27 Mar 2020 17:58

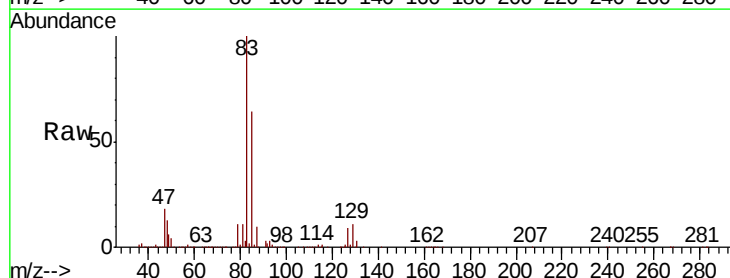
Tgt Ion: 83 Resp: 601668

Ion Ratio Lower Upper

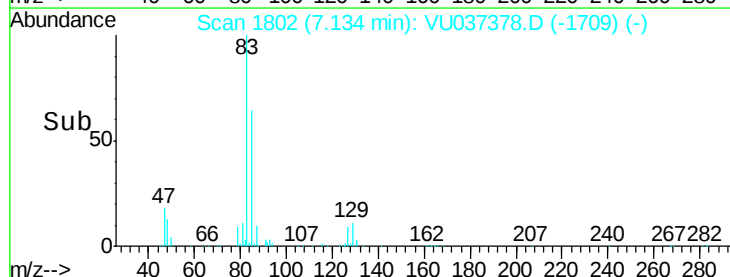
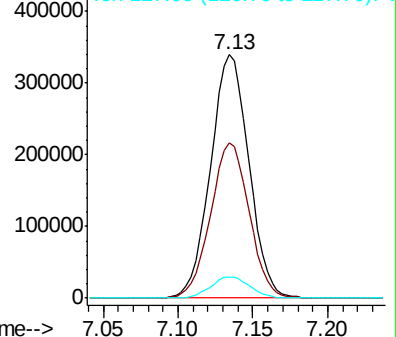
83 100

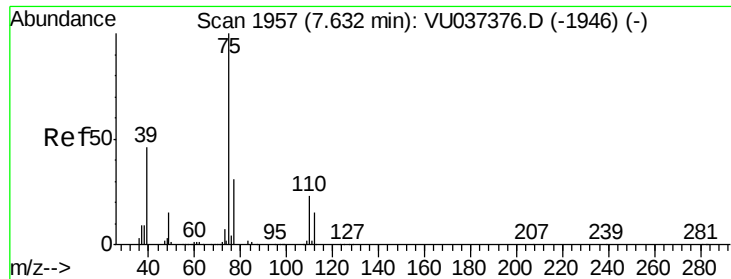
85 63.9 44.2 82.2

127 8.8 7.8 11.6



Abundance Ion 83.00 (82.70 to 83.70): VU037376.D (-1786) (-)

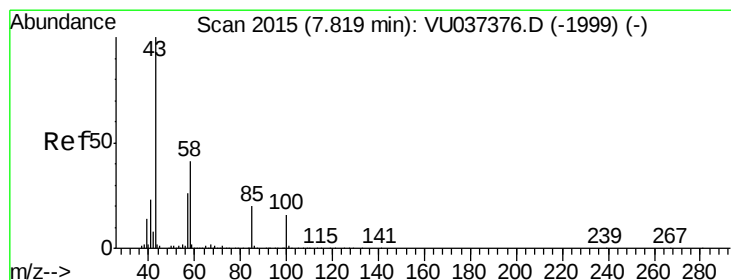
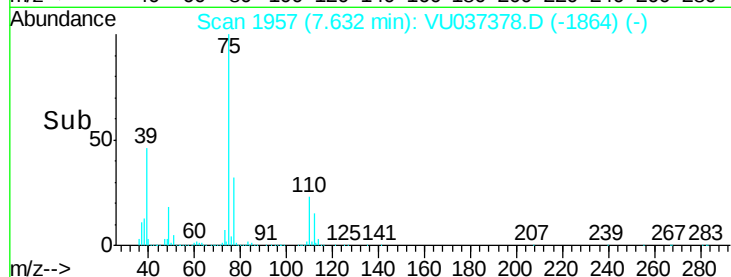
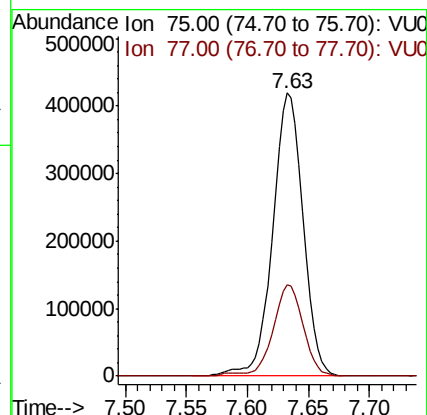
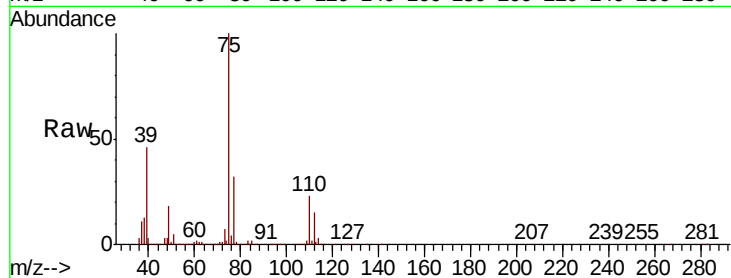




#39
 cis-1,3-Dichloropropene
 Concen: 197.399 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU037378.D
 Acq: 27 Mar 2020 17:58

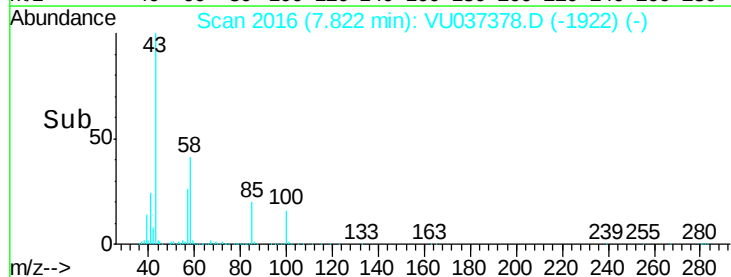
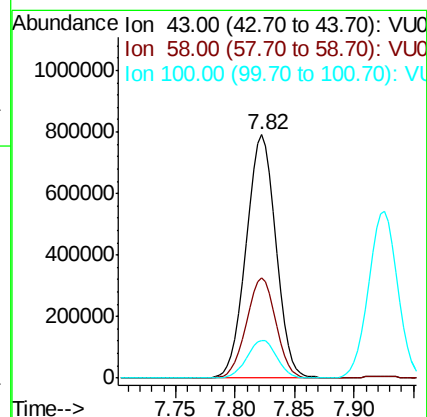
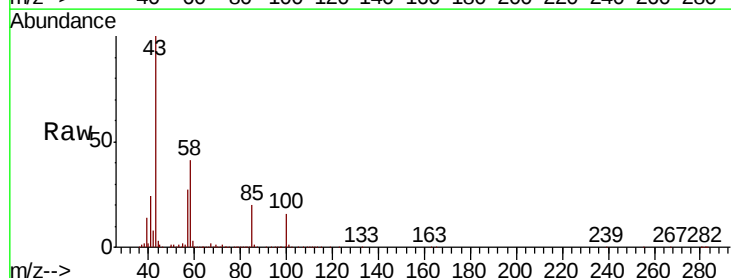
Instrument :
 MSVOA_U
 ClientSampleId :

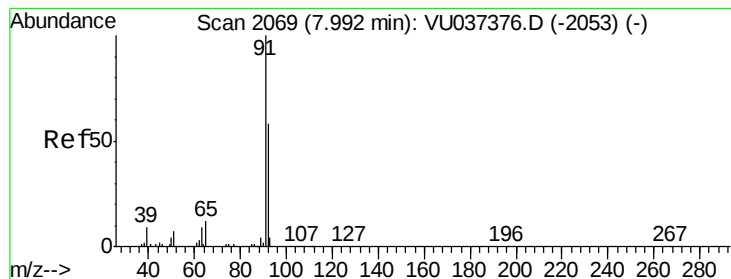
Tot Ion: 75 Resp: 733130
 Ion Ratio Lower Upper
 75 100
 77 32.1 22.5 41.9



#40
 4-Methyl-2-pentanone
 Concen: 348.045 ug/L
 RT: 7.82 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VU037378.D
 Acq: 27 Mar 2020 17:58

Tgt Ion: 43 Resp: 1357072
 Ion Ratio Lower Upper
 43 100
 58 41.3 0.0 0.0#
 100 15.9 0.0 0.0#





#42

Toluene

Concen: 190.988 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU037378.D

Acq: 27 Mar 2020 17:58

Instrument :

MSVOA_U

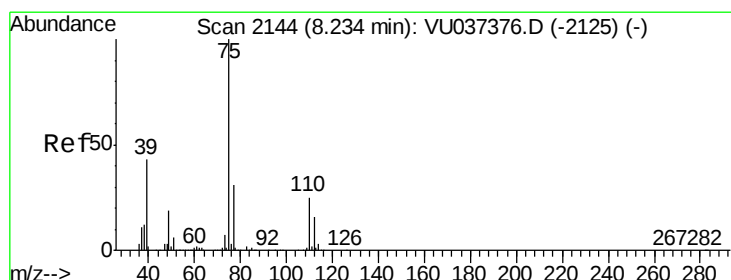
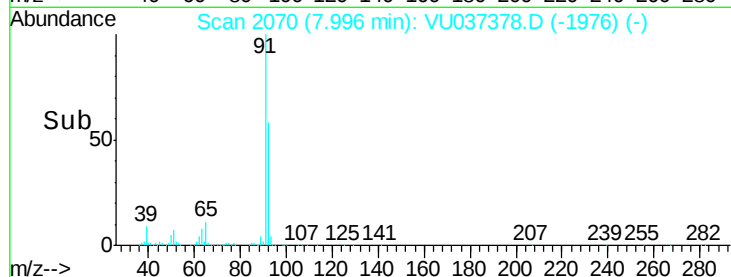
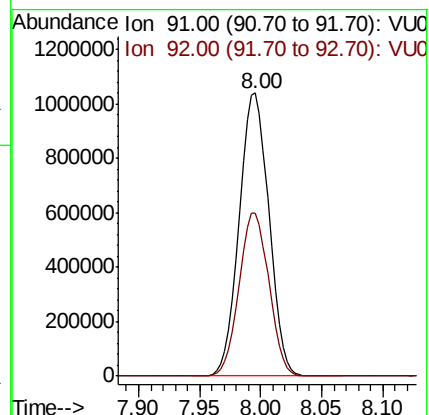
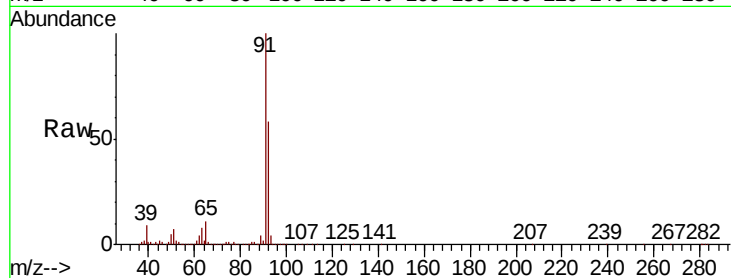
ClientSampled :

Tot Ion: 91 Resp: 1757473

Ion Ratio Lower Upper

91 100

92 57.7 40.9 75.9



#44

trans-1,3-Dichloropropene

Concen: 206.142 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU037378.D

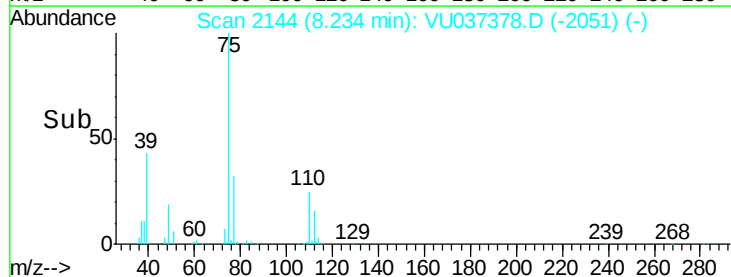
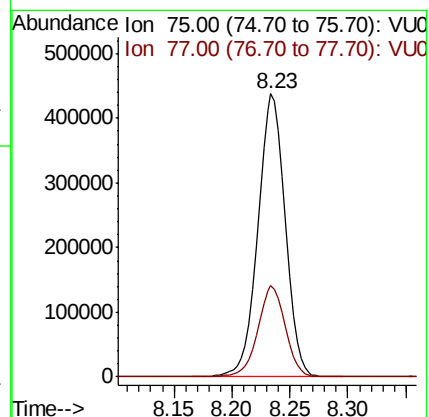
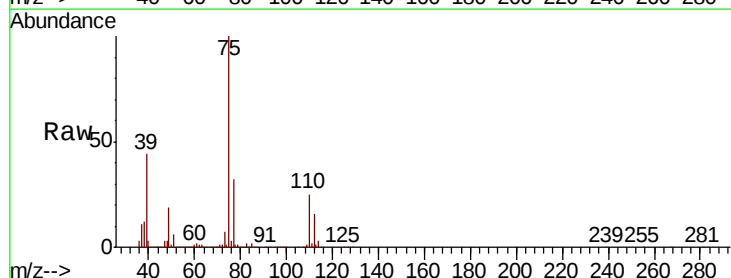
Acq: 27 Mar 2020 17:58

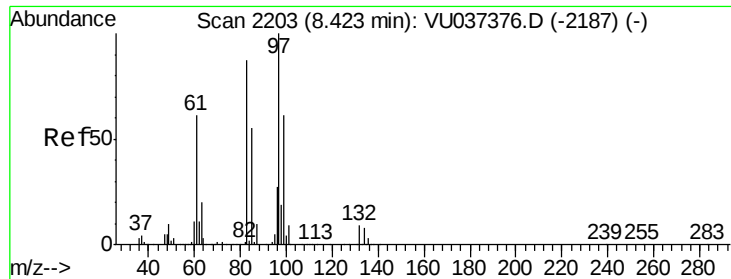
Tgt Ion: 75 Resp: 722862

Ion Ratio Lower Upper

75 100

77 32.1 21.9 40.7

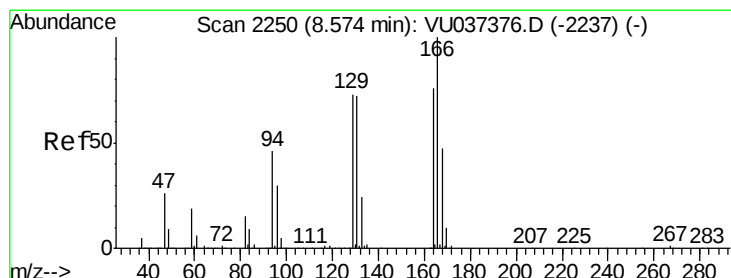
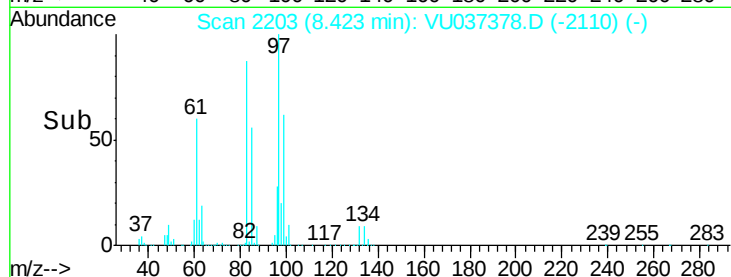
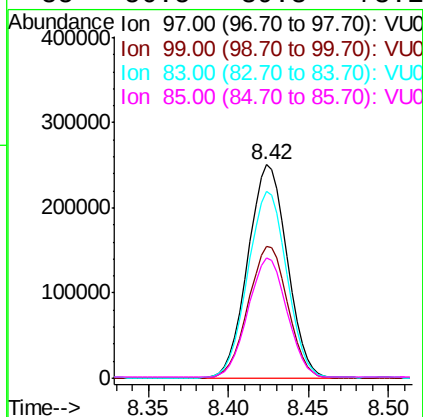
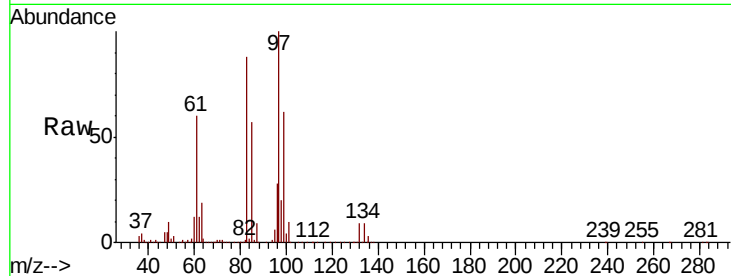




#45
 1,1,2-Trichloroethane
 Concen: 193.107 ug/L
 RT: 8.42 min Scan# 2203
 Delta R.T. 0.00 min
 Lab File: VU037378.D
 Acq: 27 Mar 2020 17:58

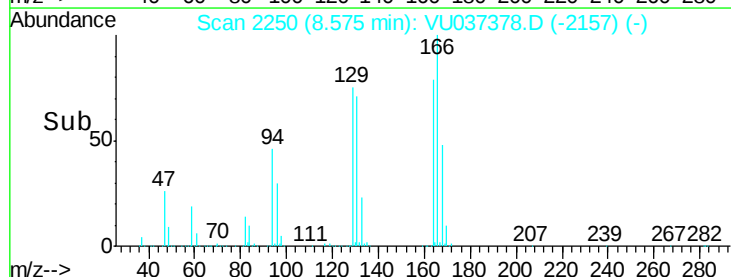
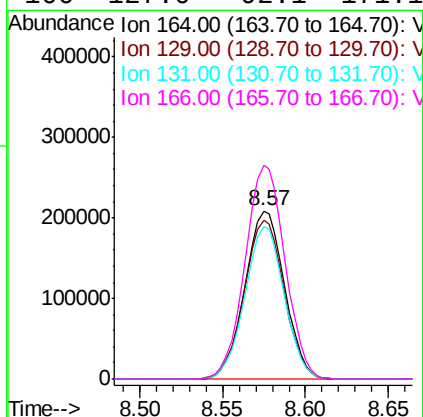
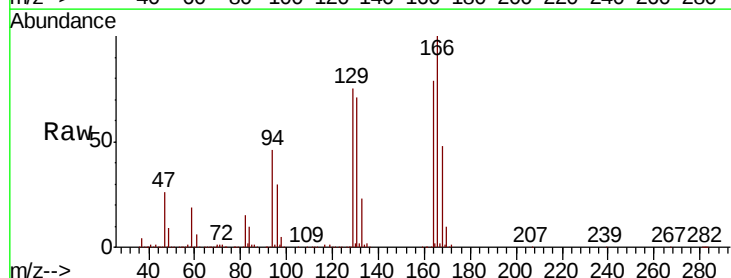
Instrument :
 MSVOA_U
 ClientSampleId :

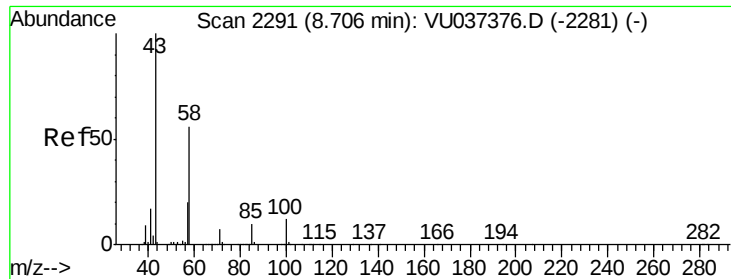
Tot Ion:	97	Resp:	421160
Ion	Ratio	Lower	Upper
97	100		
99	61.7	42.4	78.6
83	87.5	61.3	113.9
85	56.5	39.3	73.1



#46
 Tetrachloroethene
 Concen: 212.952 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. 0.00 min
 Lab File: VU037378.D
 Acq: 27 Mar 2020 17:58

Tgt Ion:	164	Resp:	346425
Ion	Ratio	Lower	Upper
164	100		
129	94.7	67.8	126.0
131	90.4	66.1	122.8
166	127.0	92.1	171.1

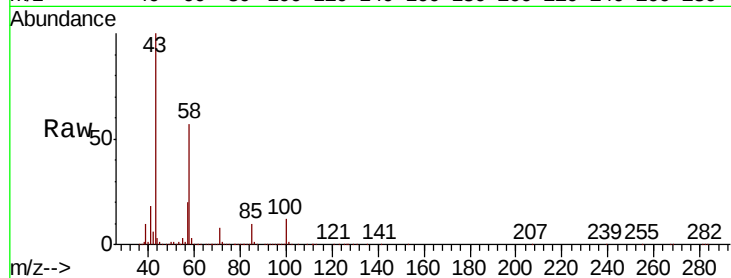




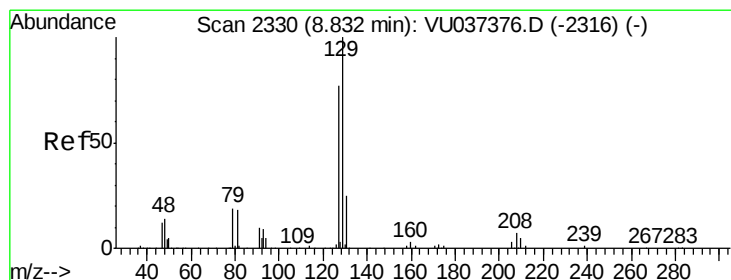
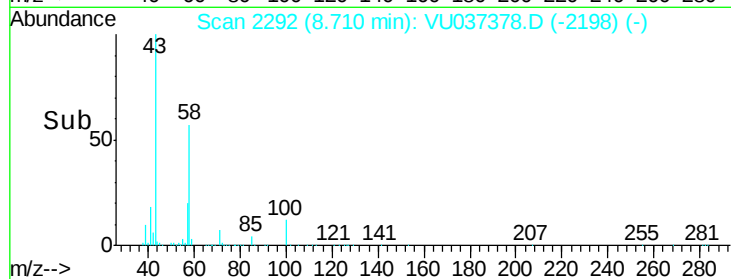
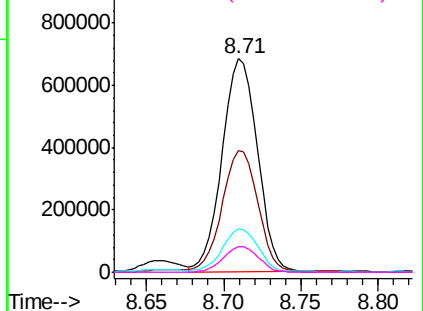
#48
2-Hexanone
Concen: 352.227 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU037378.D
Acq: 27 Mar 2020 17:58

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 1082301
Ion Ratio Lower Upper
43 100
58 57.7 45.3 67.9
57 20.3 16.2 24.2
100 12.2 9.7 14.5

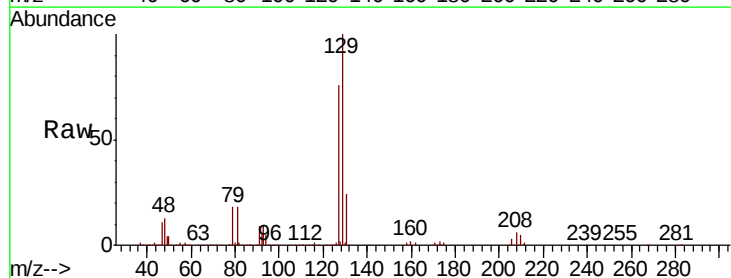


Abundance Ion 43.00 (42.70 to 43.70): VU037378.D (-2198) (-)
Ion 58.00 (57.70 to 58.70): VU037378.D (-2198) (-)
Ion 57.00 (56.70 to 57.70): VU037378.D (-2198) (-)
Ion 100.00 (99.70 to 100.70): VU037378.D (-2198) (-)

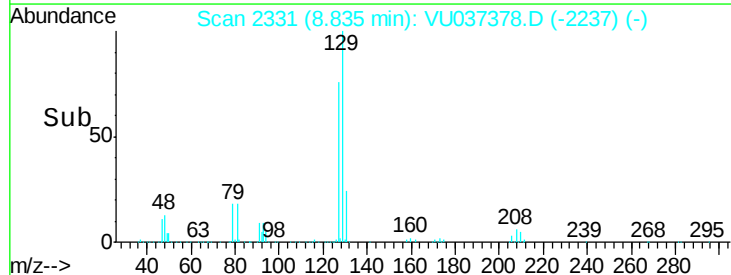
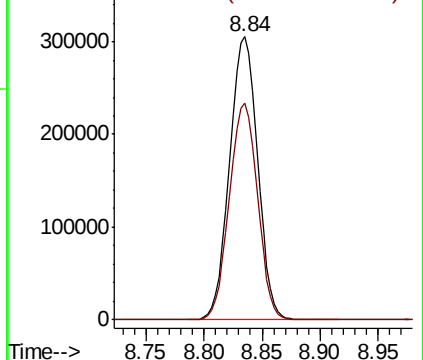


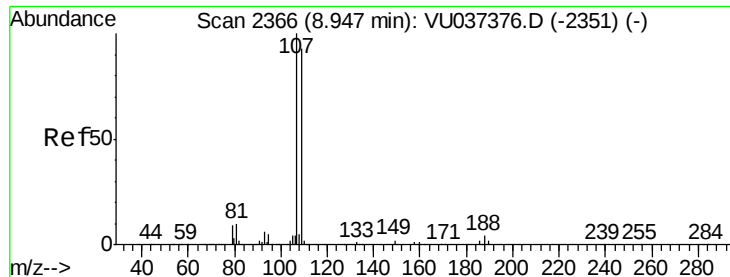
#49
Dibromochloromethane
Concen: 199.028 ug/L
RT: 8.84 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU037378.D
Acq: 27 Mar 2020 17:58

Tgt Ion: 129 Resp: 510676
Ion Ratio Lower Upper
129 100
127 76.4 53.9 100.1



Abundance Ion 129.00 (128.70 to 129.70): VU037378.D (-2237) (-)
Ion 127.00 (126.70 to 127.70): VU037378.D (-2237) (-)

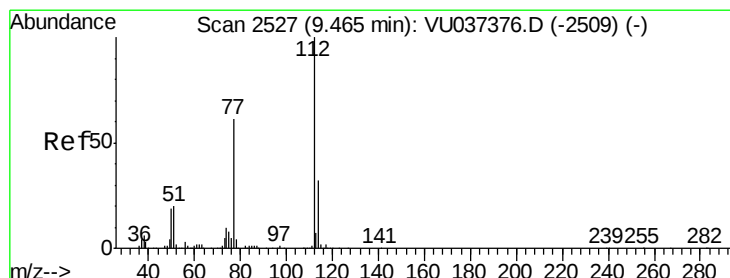
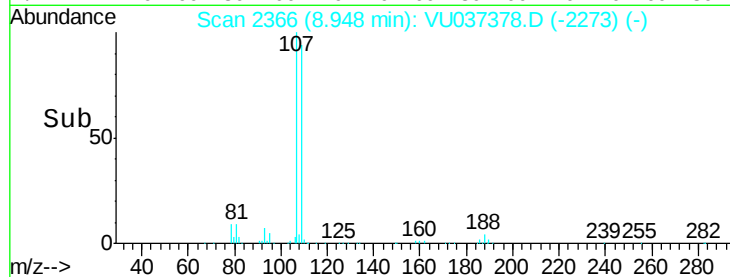
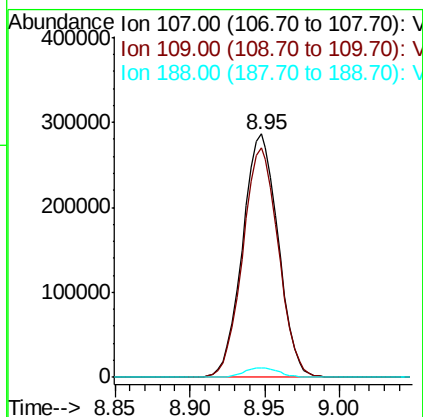
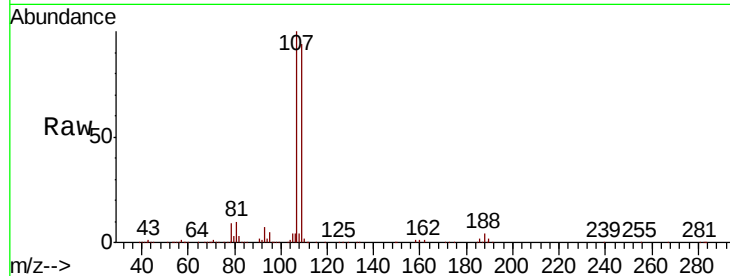




#50
1,2-Dibromoethane
Concen: 201.822 ug/L
RT: 8.95 min Scan# 2366
Delta R.T. 0.00 min
Lab File: VU037378.D
Acq: 27 Mar 2020 17:58

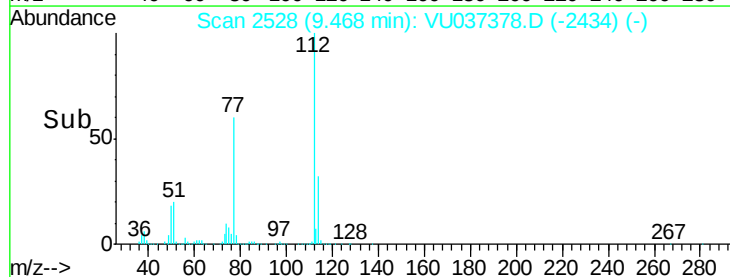
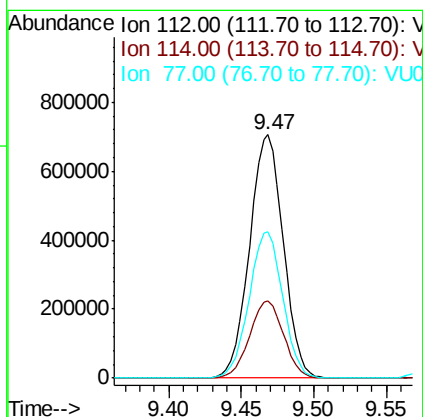
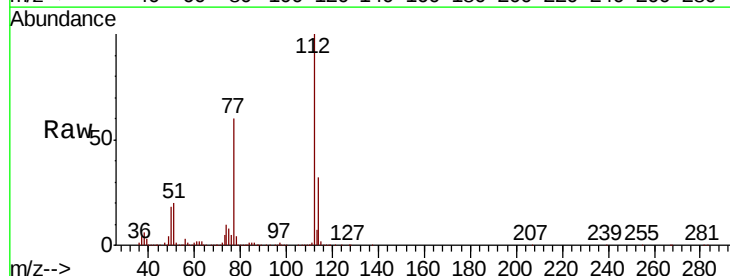
Instrument :
MSVOA_U
ClientSampleId :

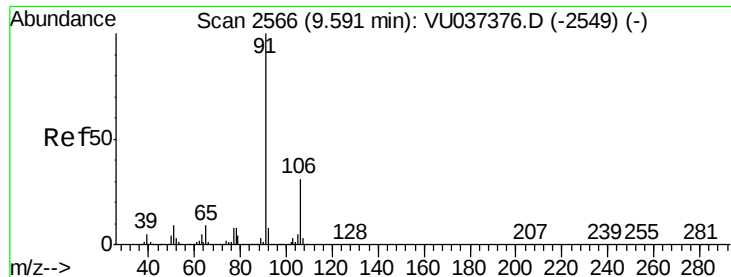
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	65.1	120.9
188	3.8	3.0	4.4



#51
Chlorobenzene
Concen: 197.732 ug/L
RT: 9.47 min Scan# 2528
Delta R.T. 0.00 min
Lab File: VU037378.D
Acq: 27 Mar 2020 17:58

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.3	41.5
77	60.2	48.6	72.8





#52

Ethylbenzene

Concen: 187.968 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VU037378.D

Acq: 27 Mar 2020 17:58

Instrument :

MSVOA_U

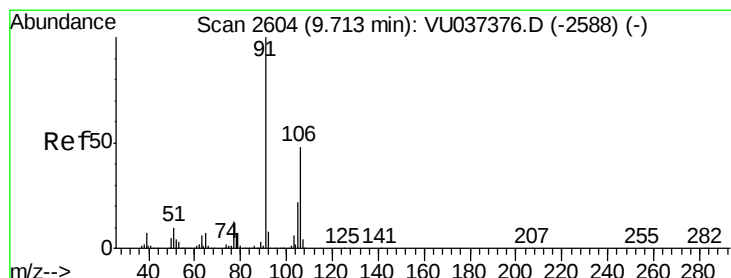
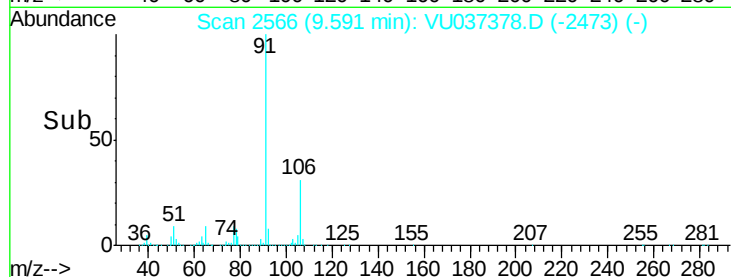
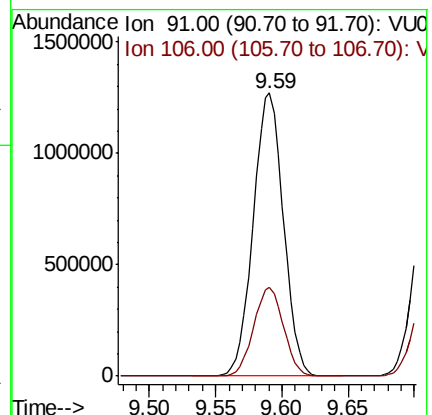
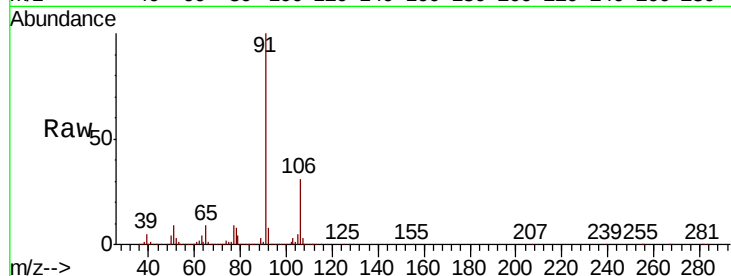
ClientSampleId :

Tot Ion: 91 Resp: 2002818

Ion Ratio Lower Upper

91 100

106 31.3 21.5 39.9



#53

m,p-Xylene

Concen: 202.865 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VU037378.D

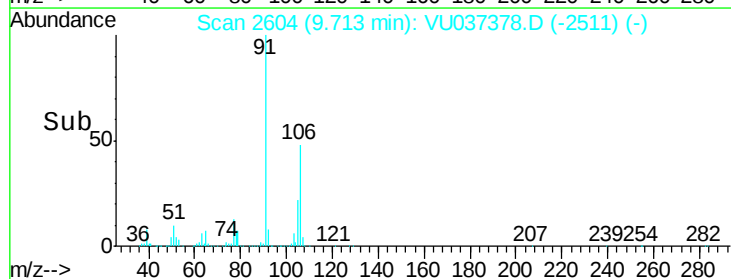
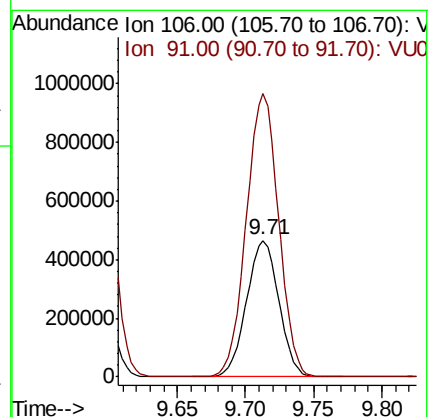
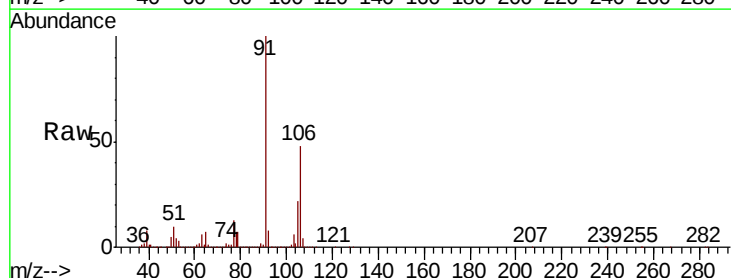
Acq: 27 Mar 2020 17:58

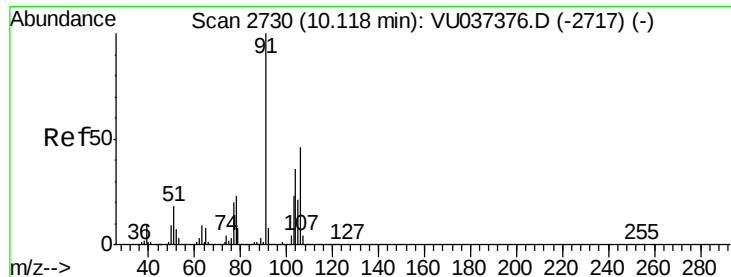
Tgt Ion: 106 Resp: 764537

Ion Ratio Lower Upper

106 100

91 207.3 146.5 272.1





#54

o-xylene

Concen: 200.123 ug/L

RT: 10.12 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VU037378.D

Acq: 27 Mar 2020 17:58

Instrument :

MSVOA_U

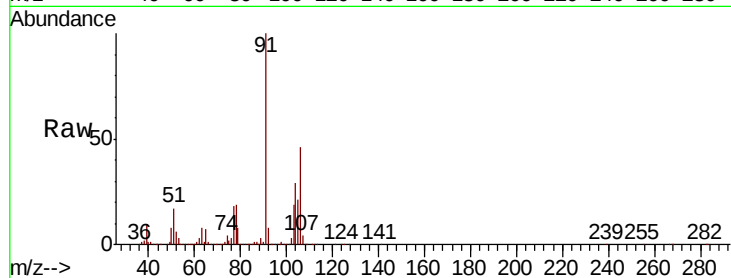
ClientSampled :

Tot Ion:106 Resp: 745130

Ion Ratio Lower Upper

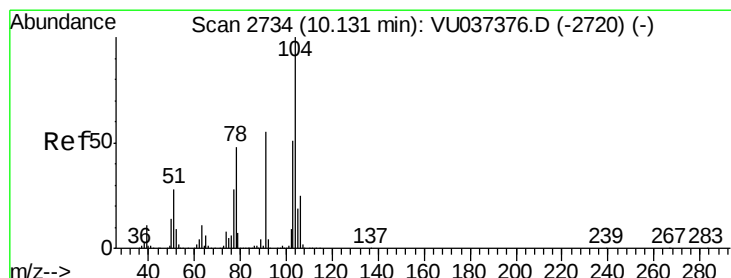
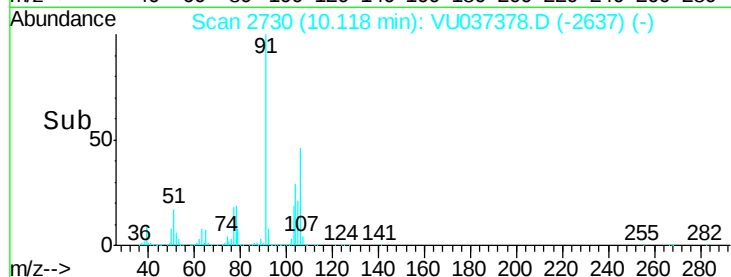
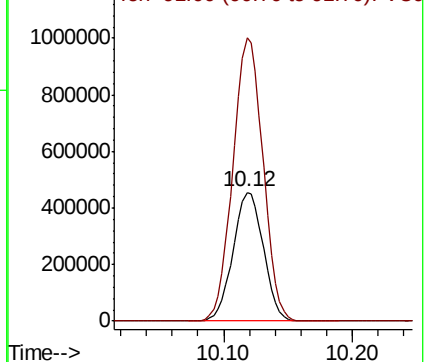
106 100

91 219.4 153.6 285.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 206.761 ug/L

RT: 10.13 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VU037378.D

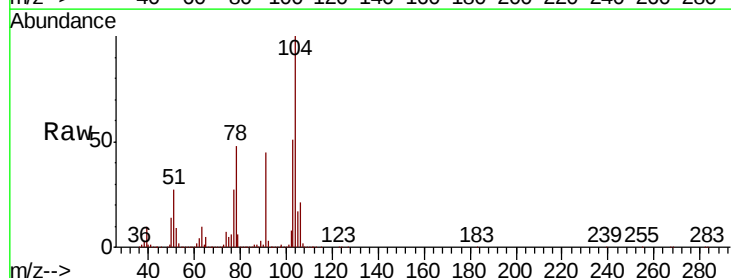
Acq: 27 Mar 2020 17:58

Tgt Ion:104 Resp: 1305546

Ion Ratio Lower Upper

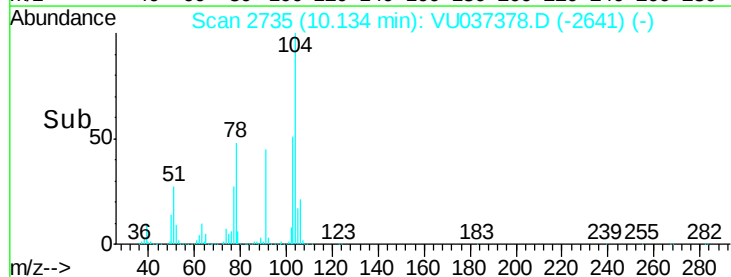
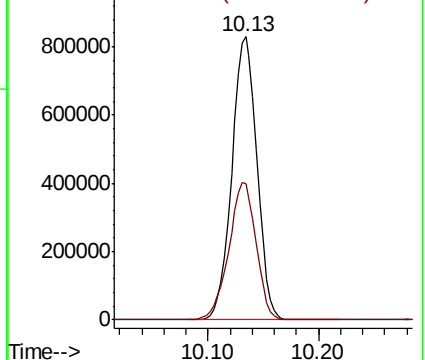
104 100

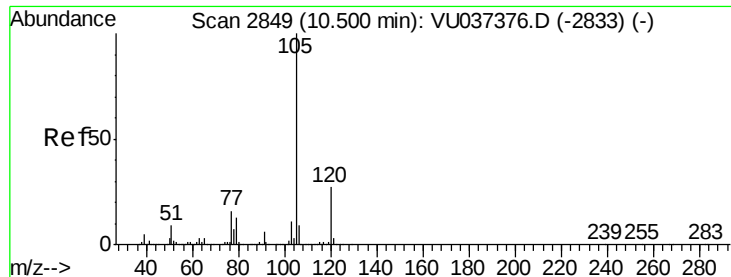
78 47.9 34.0 63.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 192.767 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU037378.D

Acq: 27 Mar 2020 17:58

Instrument :

MSVOA_U

ClientSampleId :

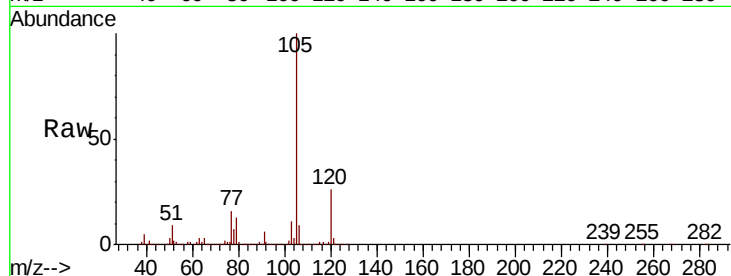
Tot Ion:105 Resp: 1994961

Ion Ratio Lower Upper

105 100

120 26.7 21.5 32.3

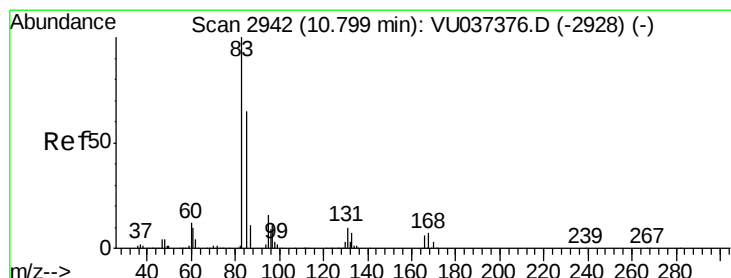
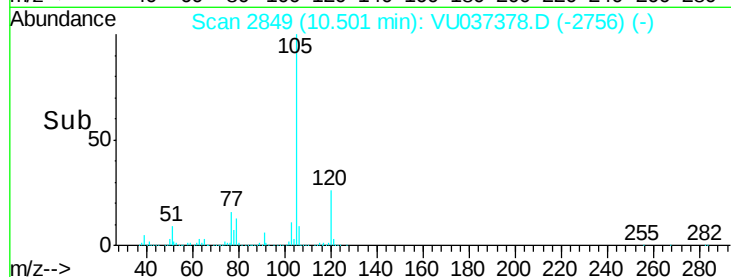
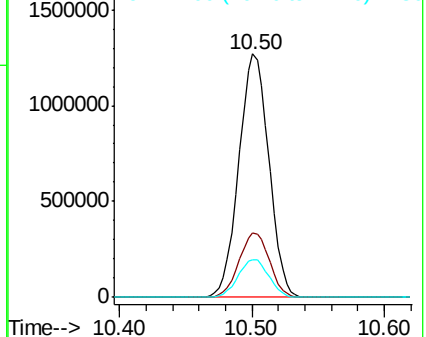
77 15.7 12.6 19.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 191.414 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU037378.D

Acq: 27 Mar 2020 17:58

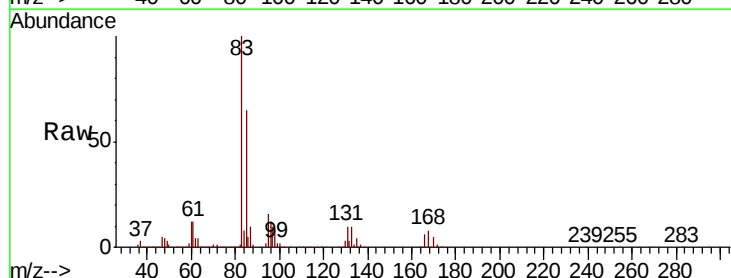
Tgt Ion: 83 Resp: 762022

Ion Ratio Lower Upper

83 100

85 64.6 46.1 85.5

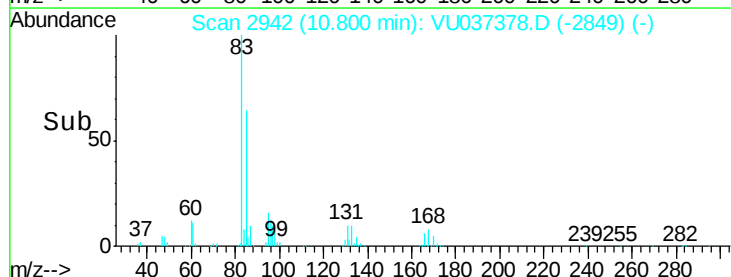
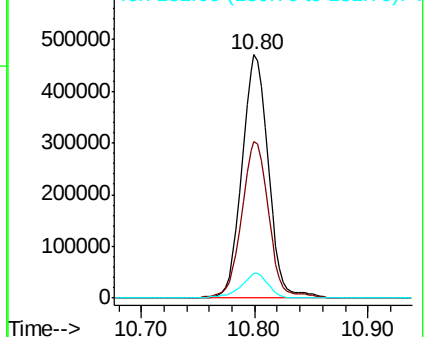
131 10.0 8.0 12.0

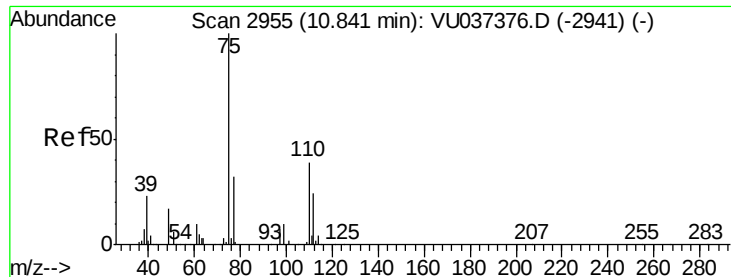


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 182.241 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. 0.00 min

Lab File: VU037378.D

Acq: 27 Mar 2020 17:58

Instrument :

MSVOA_U

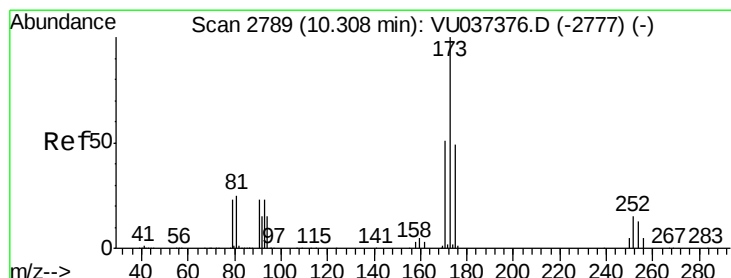
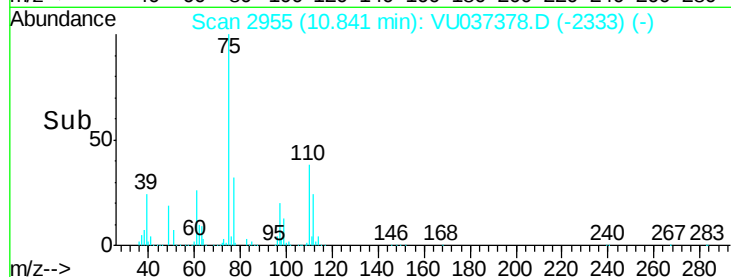
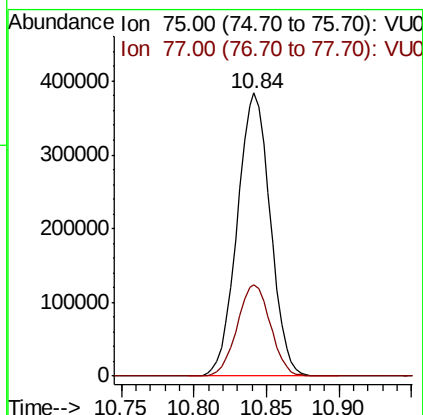
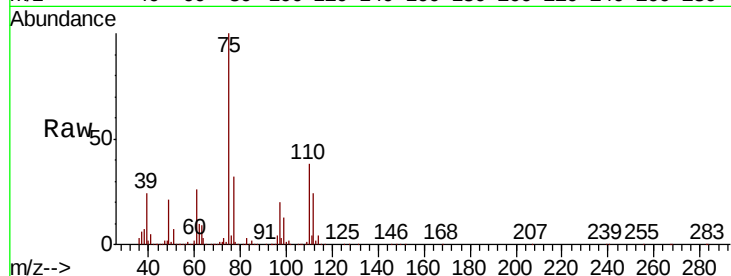
ClientSampleId :

Tot Ion: 75 Resp: 606795

Ion Ratio Lower Upper

75 100

77 32.6 25.6 38.4



#61

Bromoform

Concen: 202.962 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VU037378.D

Acq: 27 Mar 2020 17:58

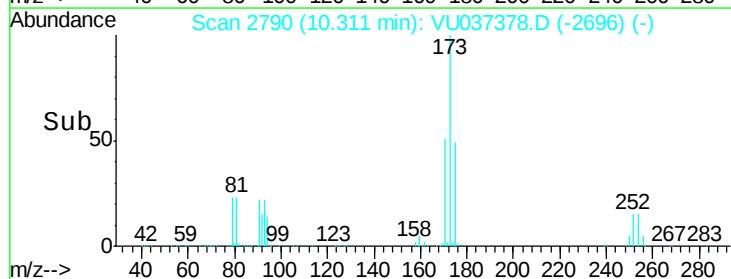
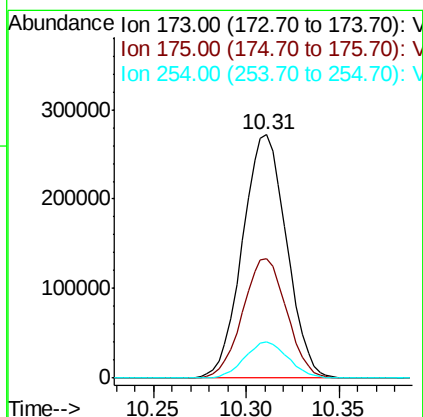
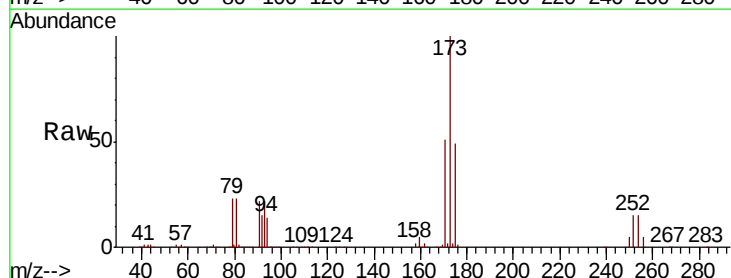
Tgt Ion: 173 Resp: 448920

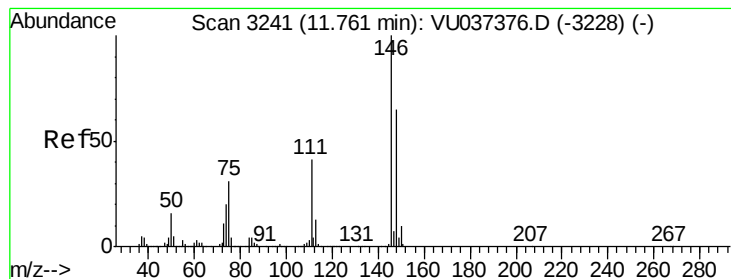
Ion Ratio Lower Upper

173 100

175 49.1 39.0 58.4

254 14.6 9.8 14.8





#62

1,3-Dichlorobenzene

Concen: 194.003 ug/L

RT: 11.76 min Scan# 3241

Delta R.T. 0.00 min

Lab File: VU037378.D

Acq: 27 Mar 2020 17:58

Instrument :

MSVOA_U

ClientSampleId :

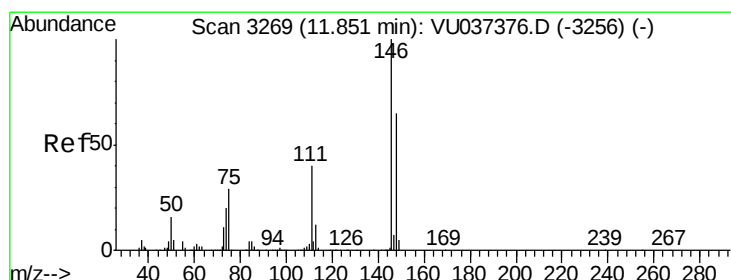
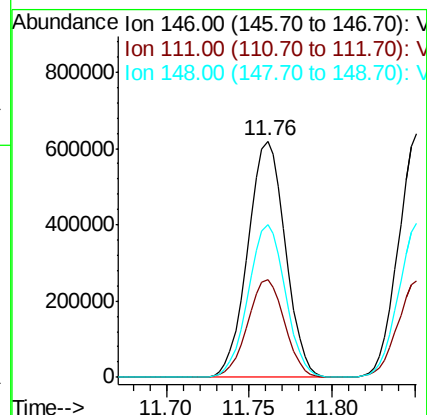
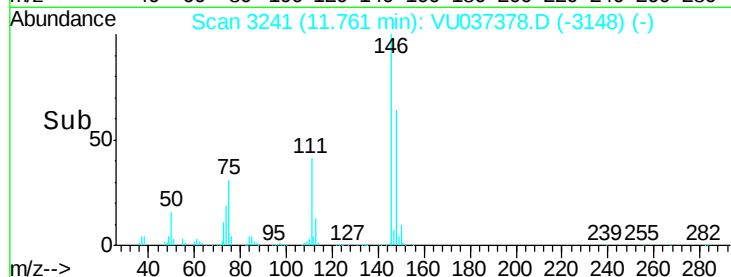
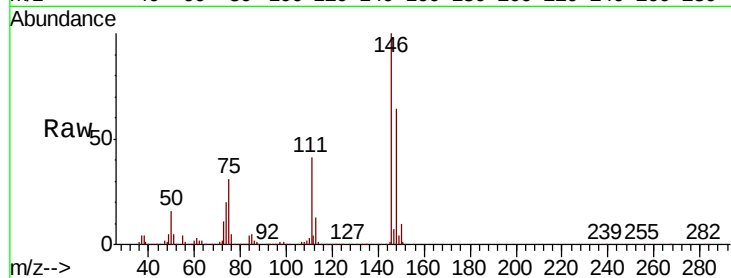
Tot Ion:146 Resp: 973774

Ion Ratio Lower Upper

146 100

111 41.2 29.1 54.1

148 64.5 45.2 84.0



#63

1,4-Dichlorobenzene

Concen: 193.382 ug/L

RT: 11.85 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VU037378.D

Acq: 27 Mar 2020 17:58

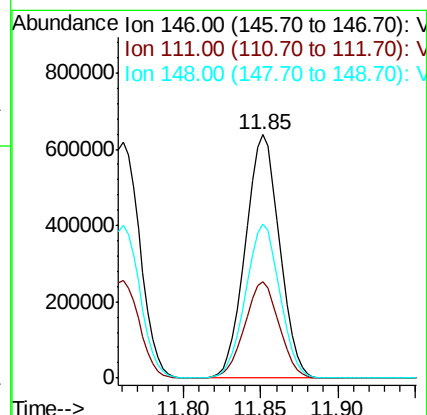
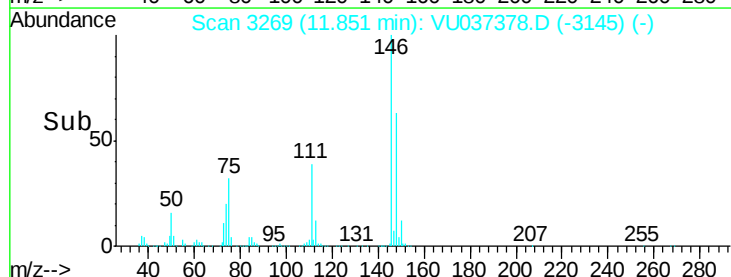
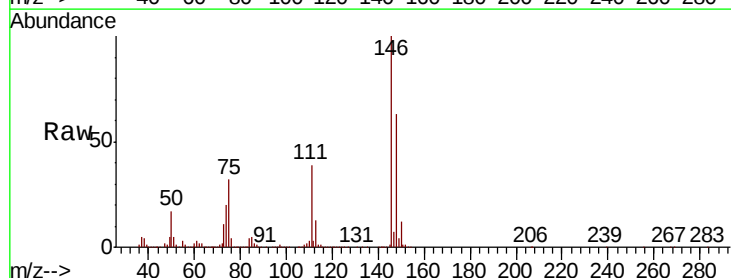
Tgt Ion:146 Resp: 981042

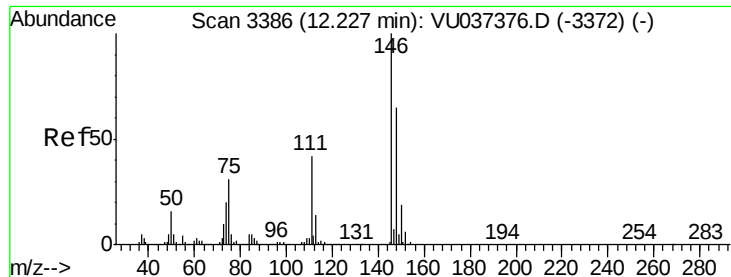
Ion Ratio Lower Upper

146 100

111 39.4 28.4 52.8

148 63.2 45.6 84.8





#65

1,2-Dichlorobenzene

Concen: 184.126 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU037378.D

Acq: 27 Mar 2020 17:58

Instrument :

MSVOA_U

ClientSampleId :

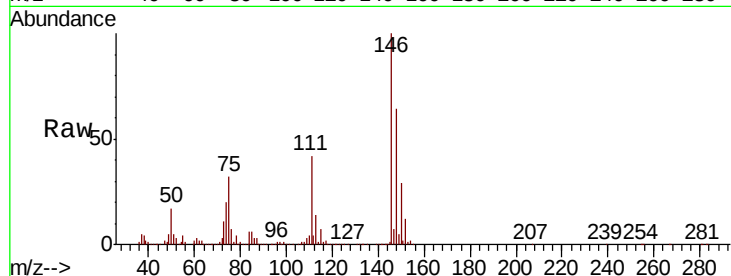
Tot Ion:146 Resp: 943941

Ion Ratio Lower Upper

146 100

111 41.9 33.6 50.4

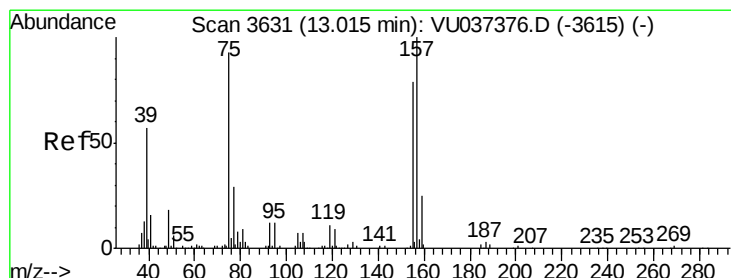
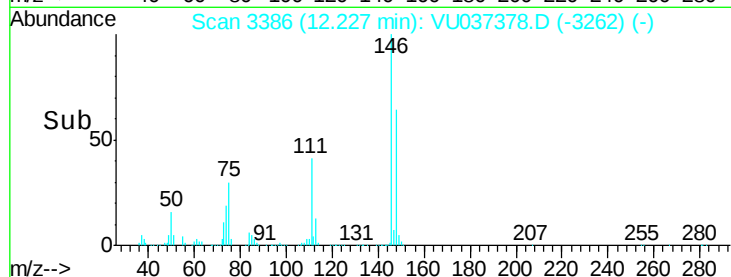
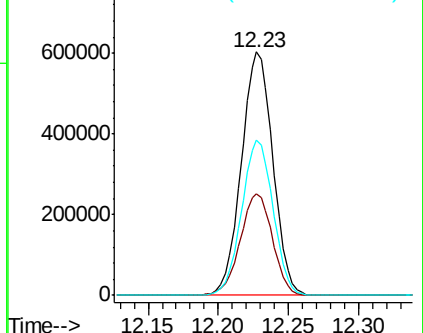
148 63.6 51.9 77.9



Abundance Ion 146.00 (145.70 to 146.70): 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: 194.977 ug/L

RT: 13.02 min Scan# 3632

Delta R.T. 0.00 min

Lab File: VU037378.D

Acq: 27 Mar 2020 17:58

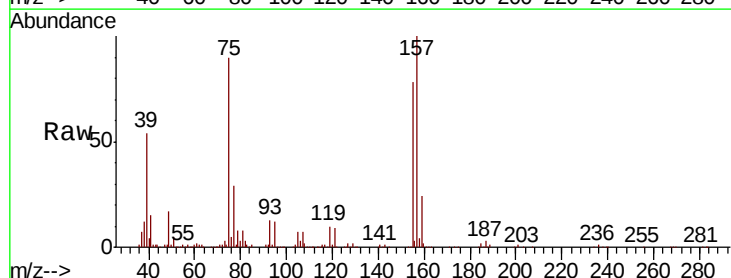
Tgt Ion: 75 Resp: 220372

Ion Ratio Lower Upper

75 100

155 85.9 68.5 102.7

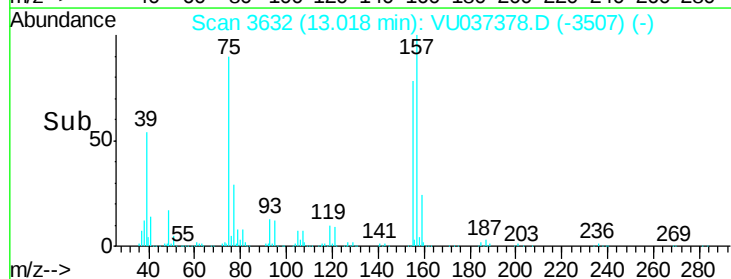
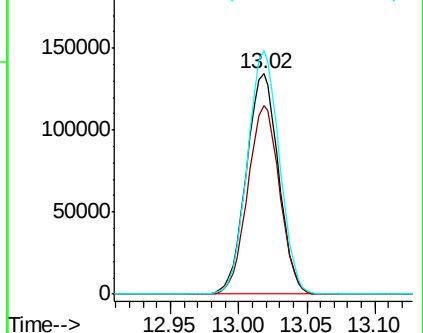
157 110.6 86.5 129.7

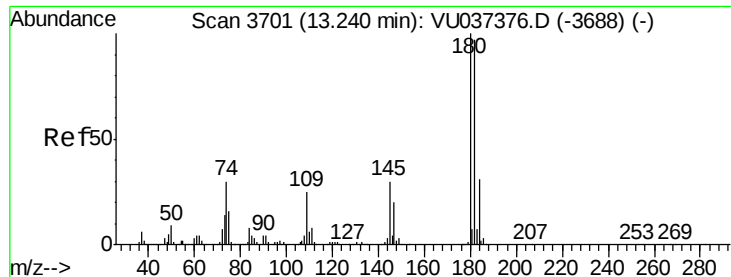


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

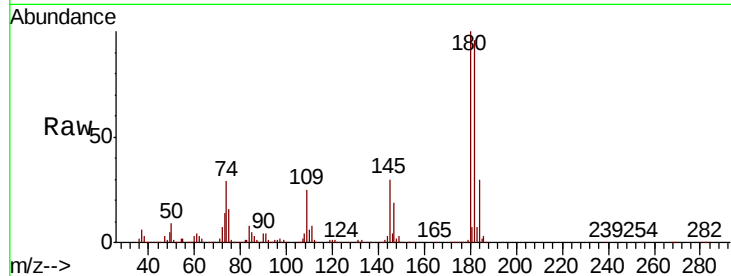




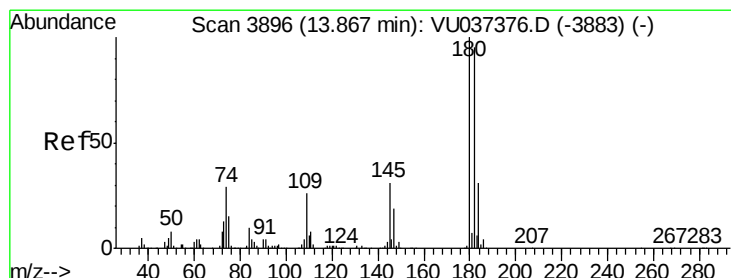
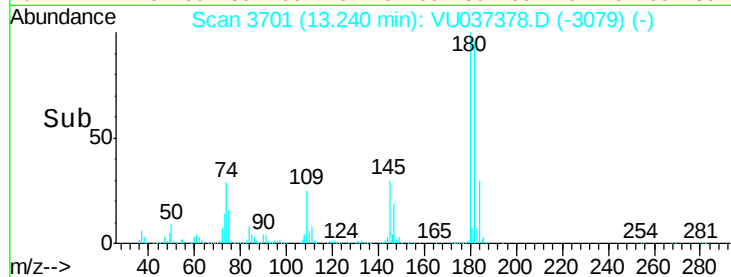
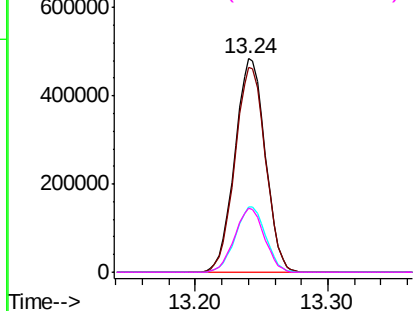
#67
 1,3,5-Trichlorobenzene
 Concen: 210.515 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU037378.D
 Acq: 27 Mar 2020 17:58

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180	Resp:	770061
Ion	Ratio	Lower Upper
180	100	
182	96.2	77.3 115.9
184	30.5	24.6 37.0
145	29.5	23.6 35.4

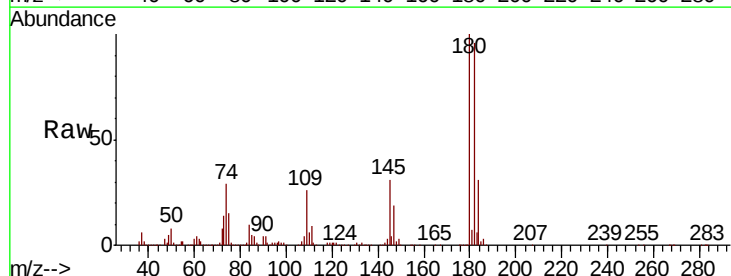


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

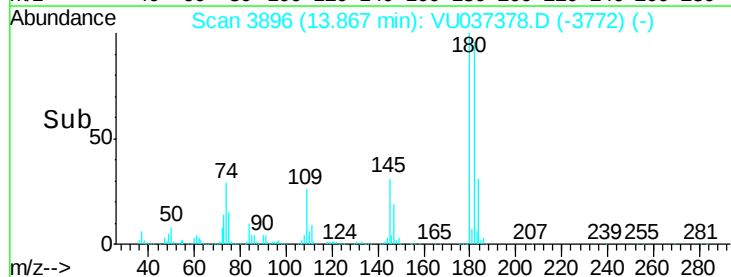
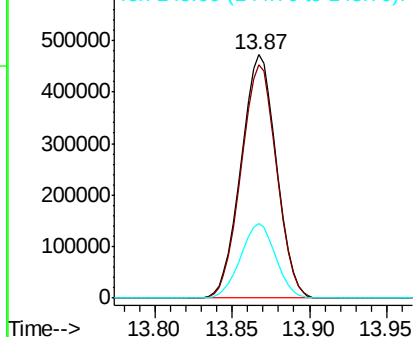


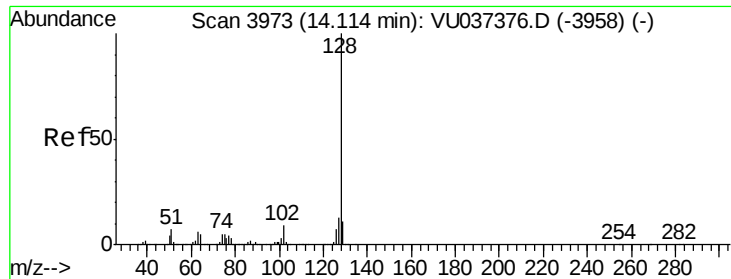
#68
 1,2,4-trichlorobenzene
 Concen: 262.992 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. 0.00 min
 Lab File: VU037378.D
 Acq: 27 Mar 2020 17:58

Tgt Ion:180	Resp:	751206
Ion	Ratio	Lower Upper
180	100	
182	96.2	76.4 114.6
145	30.3	24.6 36.8



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 566.914 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. 0.00 min

Lab File: VU037378.D

Acq: 27 Mar 2020 17:58

Instrument :

MSVOA_U

ClientSampleId :

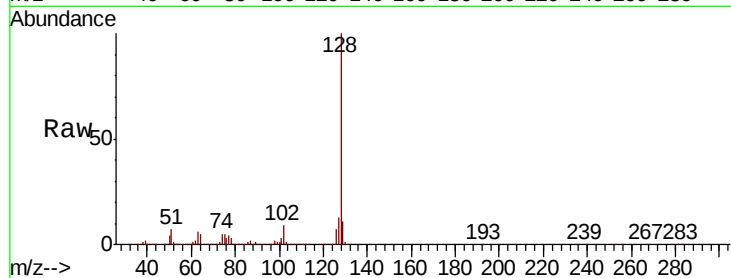
Tot Ion:128 Resp: 2455811

Ion Ratio Lower Upper

128 100

127 12.6 10.4 15.6

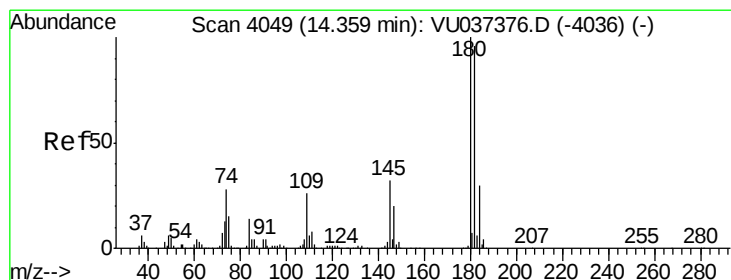
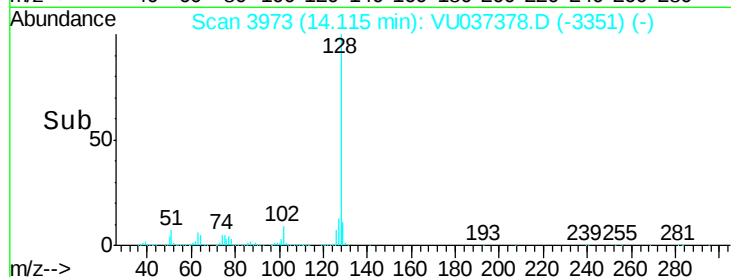
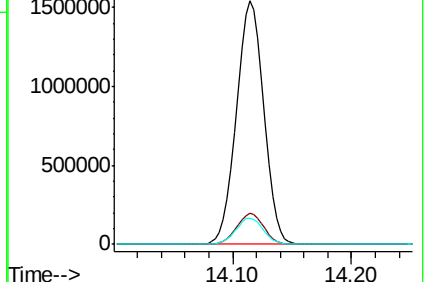
129 10.9 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 247.350 ug/L

RT: 14.36 min Scan# 4050

Delta R.T. 0.00 min

Lab File: VU037378.D

Acq: 27 Mar 2020 17:58

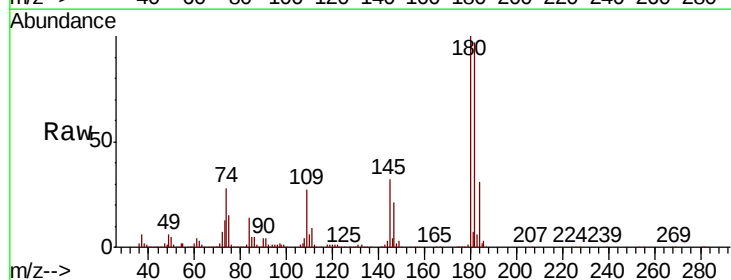
Tgt Ion:180 Resp: 741435

Ion Ratio Lower Upper

180 100

182 95.8 77.0 115.6

145 32.1 25.6 38.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

