

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032720\
 Data File : VU037376.D
 Acq On : 27 Mar 2020 17:12
 Operator : JC/MD
 Sample : VSTD05031
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 28 00:50:01 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	299908	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	284664	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	151751	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	94375	40.66	ug/L	0.00
7) Chloroethane-d5	1.93	69	74350	39.73	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	194508	45.68	ug/L	0.00
21) 2-Butanone-d5	4.67	46	169139	92.08	ug/L	0.00
24) Chloroform-d	5.11	84	193559	43.37	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	124907	38.24	ug/L	0.00
32) Benzene-d6	5.76	84	381259	48.65	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	123861	48.29	ug/L	0.00
41) Toluene-d8	7.92	98	362064	48.33	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	69893	50.06	ug/L	0.00
47) 2-Hexanone-d5	8.65	63	141432	106.49	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	185142	46.60	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	147850	46.97	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	125592	40.979 ug/L	100
3) Chloromethane	1.54	50	104223	41.580 ug/L	100
5) Vinyl chloride	1.62	62	104888	38.185 ug/L	100
6) Bromomethane	1.87	94	50267	47.673 ug/L	100
8) Chloroethane	1.95	64	56443	35.074 ug/L	100
9) Trichlorofluoromethane	2.16	101	139476	33.256 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	90519	46.213 ug/L	100
12) 1,1-Dichloroethene	2.60	96	91158	51.504 ug/L	100
13) Acetone	2.66	43	104313	59.854 ug/L	96
14) Carbon disulfide	2.82	76	296605	59.108 ug/L	100
15) Methyl Acetate	2.98	43	116532	42.513 ug/L	100
16) Methylene chloride	3.08	84	103001	46.624 ug/L	100
17) trans-1,2-Dichloroethene	3.38	96	95910	51.722 ug/L	100
18) Methyl tert-butyl Ether	3.40	73	321260	44.862 ug/L	100
19) 1,1-Dichloroethane	3.91	63	173442	41.800 ug/L	100
20) cis-1,2-Dichloroethene	4.71	96	106160	47.331 ug/L	100
22) 2-Butanone	4.75	43	169751	77.012 ug/L	100
23) Bromochloromethane	5.01	128	55849	49.377 ug/L	100
25) Chloroform	5.13	83	180113	40.143 ug/L	100
27) 1,2-Dichloroethane	5.83	62	145510	36.397 ug/L	100
29) Cyclohexane	5.42	56	164305	48.823 ug/L	100
30) 1,1,1-Trichloroethane	5.35	97	167352	44.291 ug/L	100
31) Carbon tetrachloride	5.56	117	144418	43.258 ug/L	100
33) Benzene	5.81	78	397519	47.377 ug/L	100
34) Trichloroethene	6.57	95	105810	48.530 ug/L	100
35) Methylcyclohexane	6.79	83	169494	51.347 ug/L	100
37) 1,2-Dichloropropane	6.82	63	103435	43.369 ug/L	100
38) Bromodichloromethane	7.13	83	146603	43.967 ug/L	100
39) cis-1,3-Dichloropropene	7.63	75	173961	47.041 ug/L	100
40) 4-Methyl-2-pentanone	7.82	43	328596	84.636 ug/L #	100

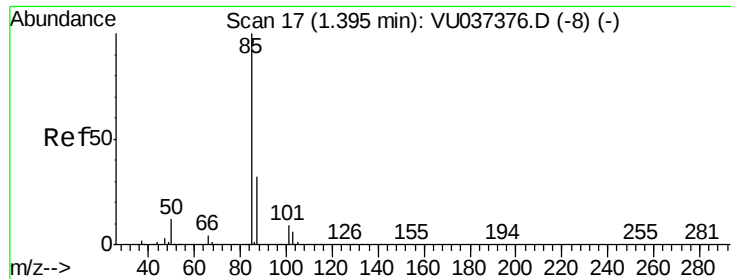
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032720\
 Data File : VU037376.D
 Acq On : 27 Mar 2020 17:12
 Operator : JC/MD
 Sample : VSTD05031
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 28 00:50:01 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)
42) Toluene	7.99	91	427953	46.706	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	174538	49.988	ug/L	100
45) 1,1,2-Trichloroethane	8.42	97	100869	46.448	ug/L	100
46) Tetrachloroethene	8.57	164	80846	49.911	ug/L	100
48) 2-Hexanone	8.71	43	259908	84.949	ug/L	100
49) Dibromochloromethane	8.83	129	120328	47.098	ug/L	100
50) 1,2-Dibromoethane	8.95	107	115746	49.389	ug/L	100
51) Chlorobenzene	9.47	112	270252	46.900	ug/L	100
52) Ethylbenzene	9.59	91	480717	45.310	ug/L	100
53) m,p-Xylene	9.71	106	183275	48.840	ug/L	100
54) o-xylene	10.12	106	177954	47.999	ug/L	100
55) Styrene	10.13	104	313331	49.836	ug/L	100
56) Isopropylbenzene	10.50	105	480050	46.585	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.80	83	177087	44.674	ug/L	100
59) 1,2,3-Trichloropropane	10.84	75	141842	42.783	ug/L	100
61) Bromoform	10.31	173	101327	47.807	ug/L	100
62) 1,3-Dichlorobenzene	11.76	146	227794	47.360	ug/L	100
63) 1,4-Dichlorobenzene	11.85	146	224189	46.117	ug/L	100
65) 1,2-Dichlorobenzene	12.23	146	222787	45.350	ug/L	100
66) 1,2-Dibromo-3-chloropropan	13.01	75	52638	48.601	ug/L	100
67) 1,3,5-Trichlorobenzene	13.24	180	179308	51.153	ug/L	100
68) 1,2,4-trichlorobenzene	13.87	180	176396	64.445	ug/L	100
69) Naphthalene	14.11	128	591360	142.459	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	177377	61.752	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 40.979 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU037376.D

Acq: 27 Mar 2020 17:12

Instrument :

MSVOA_U

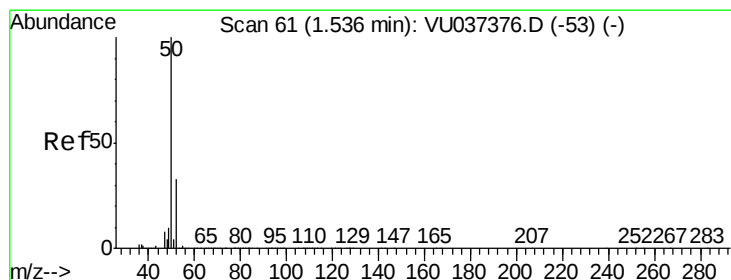
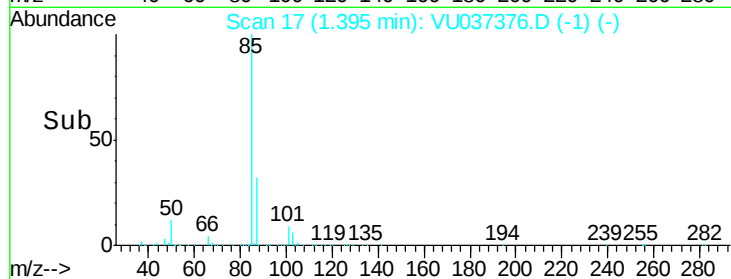
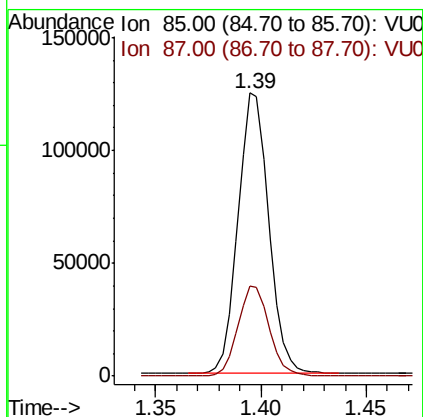
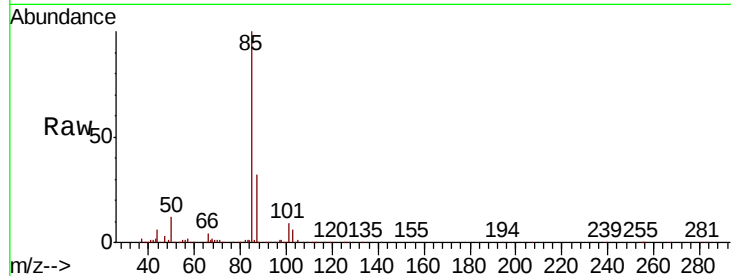
ClientSampleId :

Tot Ion: 85 Resp: 125592

Ion Ratio Lower Upper

85 100

87 32.6 26.1 39.1



#3

Chloromethane

Concen: 41.580 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU037376.D

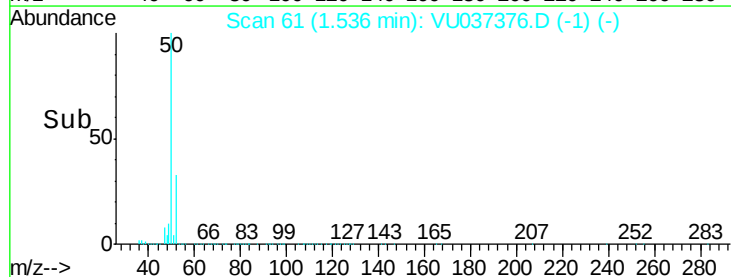
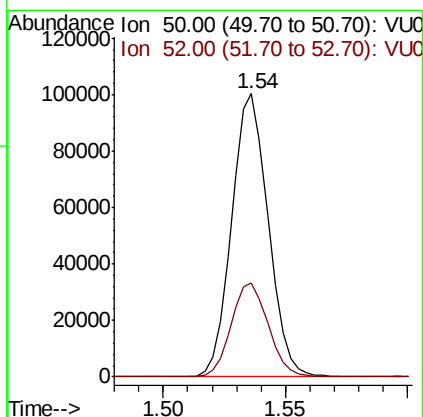
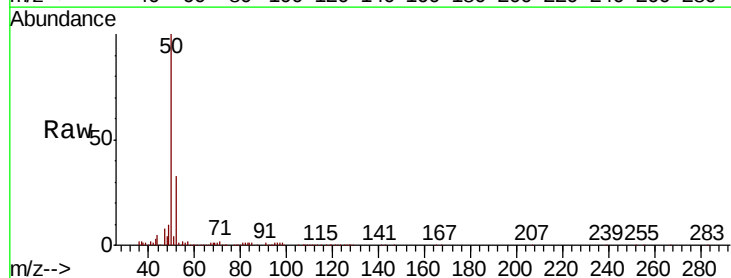
Acq: 27 Mar 2020 17:12

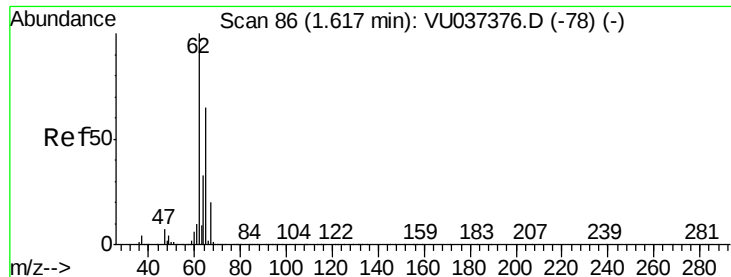
Tgt Ion: 50 Resp: 104223

Ion Ratio Lower Upper

50 100

52 33.2 23.2 43.2





#5

Vinyl chloride

Concen: 38.185 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU037376.D

Acq: 27 Mar 2020 17:12

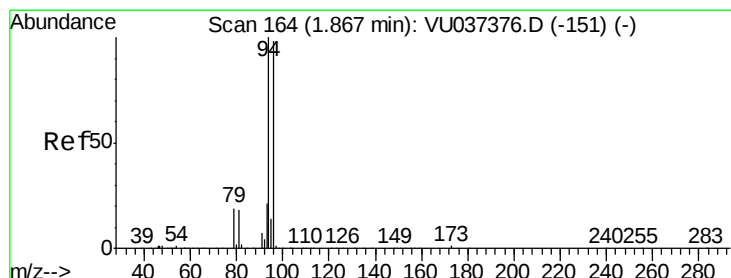
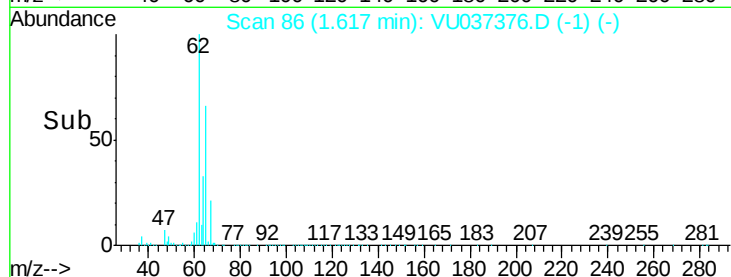
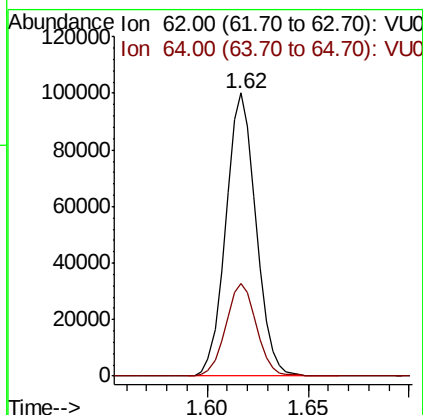
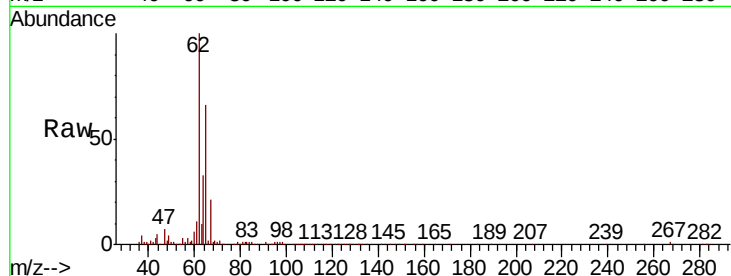
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 62 Resp: 104888

Ion Ratio Lower Upper

62 100

64 32.9 23.0 42.8



#6

Bromomethane

Concen: 47.673 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU037376.D

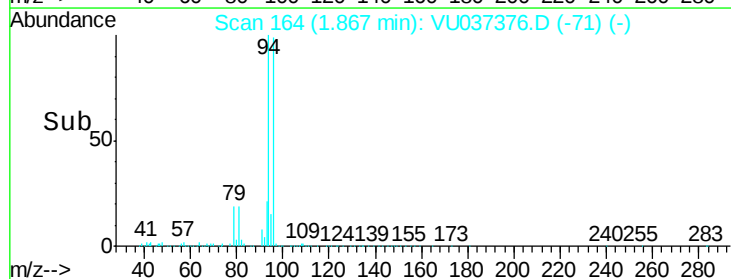
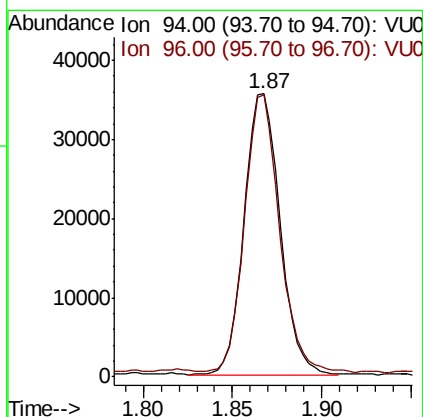
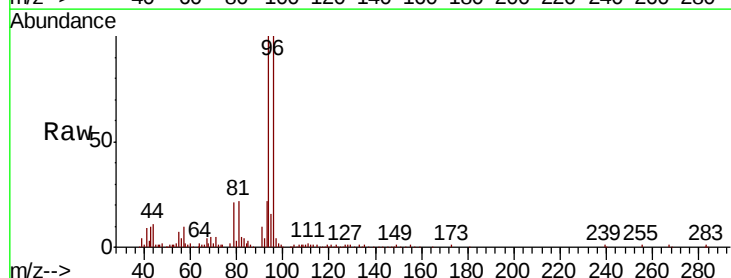
Acq: 27 Mar 2020 17:12

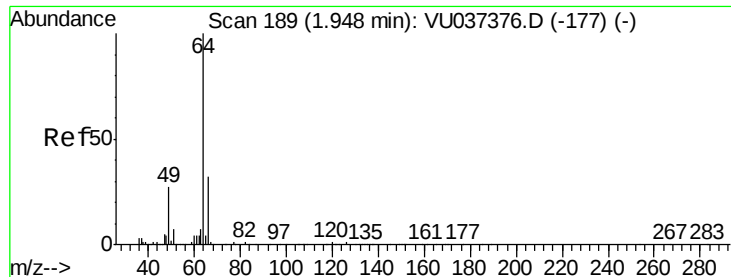
Tgt Ion: 94 Resp: 50267

Ion Ratio Lower Upper

94 100

96 99.8 69.9 129.7

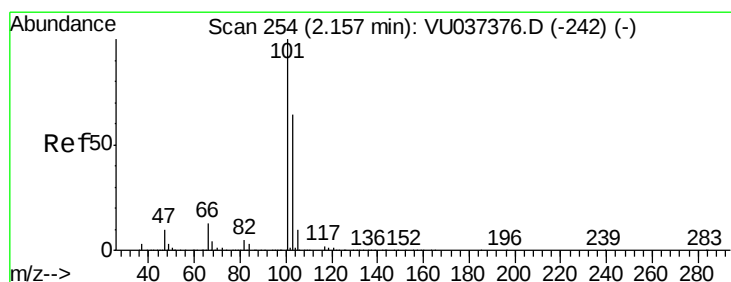
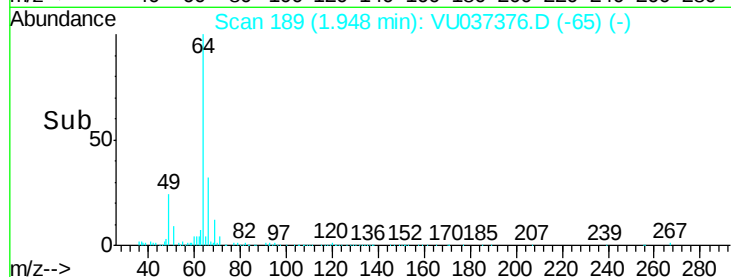
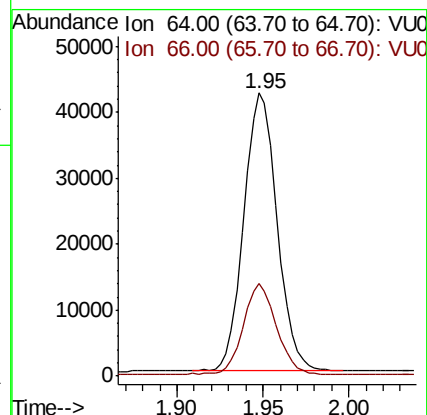
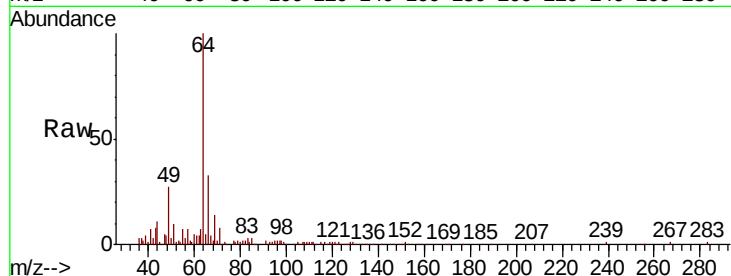




#8
Chloroethane
Concen: 35.074 ug/L
RT: 1.95 min Scan# 189
Delta R.T. 0.00 min
Lab File: VU037376.D
Acq: 27 Mar 2020 17:12

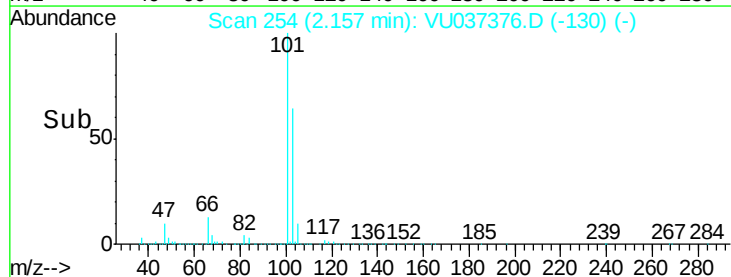
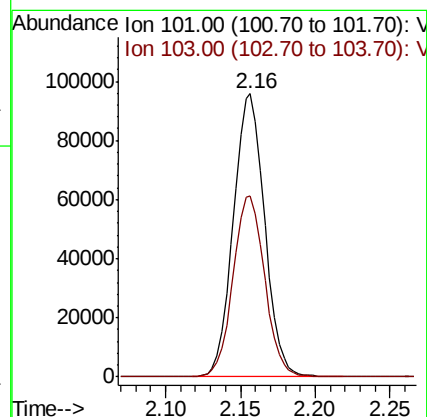
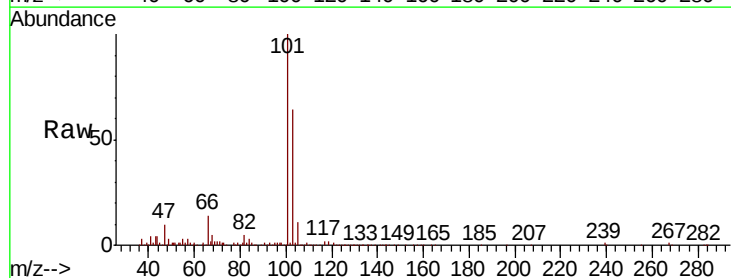
Instrument :
MSVOA_U
ClientSampleId :

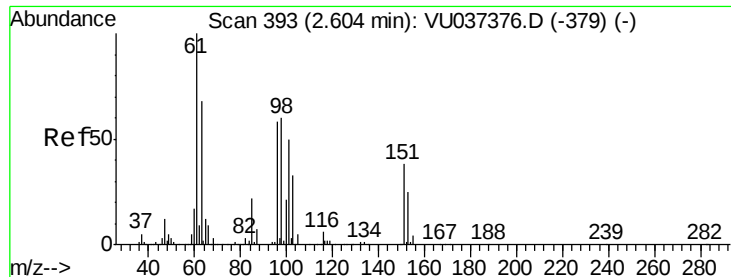
Tot Ion: 64 Resp: 56443
Ion Ratio Lower Upper
64 100
66 32.6 22.8 42.4



#9
Trichlorofluoromethane
Concen: 33.256 ug/L
RT: 2.16 min Scan# 254
Delta R.T. 0.00 min
Lab File: VU037376.D
Acq: 27 Mar 2020 17:12

Tgt Ion: 101 Resp: 139476
Ion Ratio Lower Upper
101 100
103 64.8 51.8 77.8





#10

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

Concen: 46.213 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037376.D

Acq: 27 Mar 2020 17:12

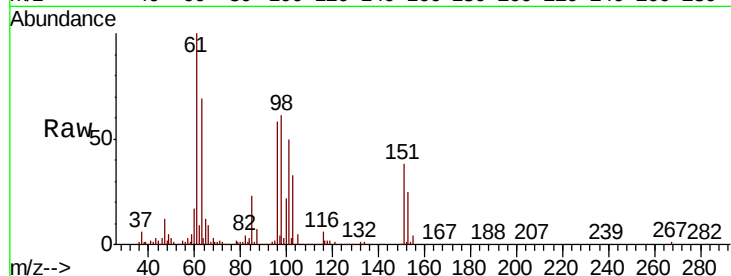
Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:101 Resp: 90519

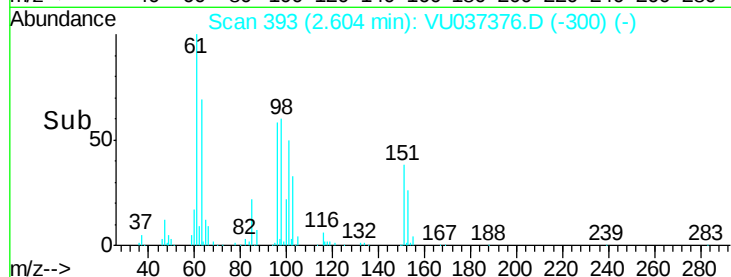
Ion	Ratio	Lower	Upper
101	100		
85	44.5	35.6	53.4
151	75.3	60.2	90.4



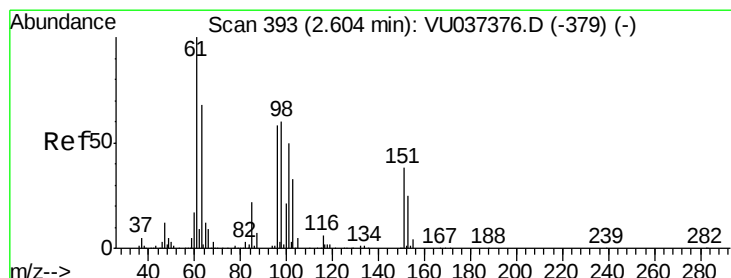
Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



Time-->



#12

1,1-Dichloroethene

Concen: 51.504 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037376.D

Acq: 27 Mar 2020 17:12

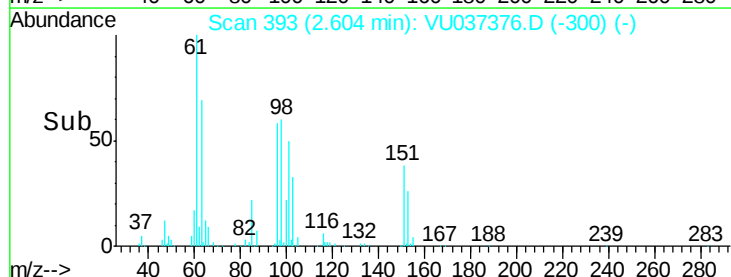
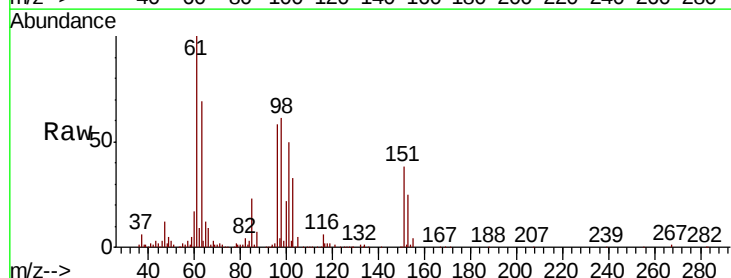
Tgt Ion: 96 Resp: 91158

Ion	Ratio	Lower	Upper
96	100		
61	171.4	120.0	222.8
63	119.0	83.3	154.7

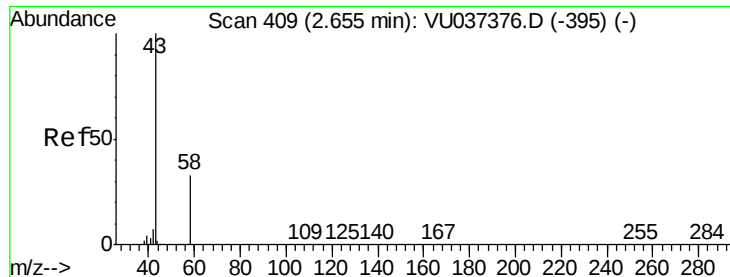
Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0



Time-->



#13

Acetone

Concen: 59.854 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU037376.D

Acq: 27 Mar 2020 17:12

Instrument :

MSVOA_U

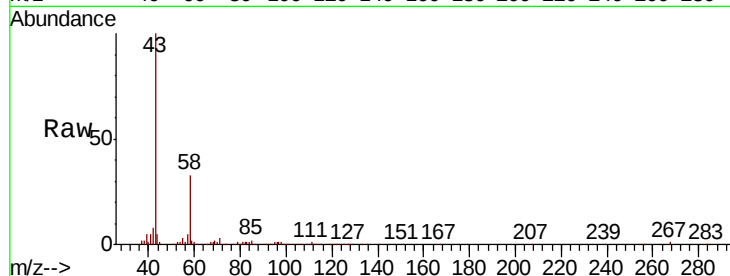
ClientSampleId :

Tot Ion: 43 Resp: 104313

Ion Ratio Lower Upper

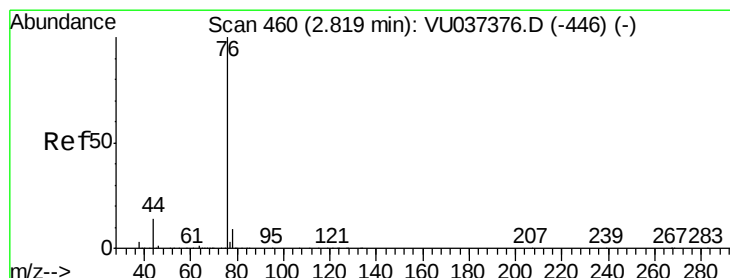
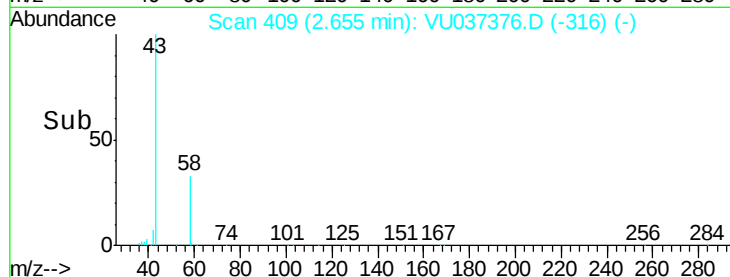
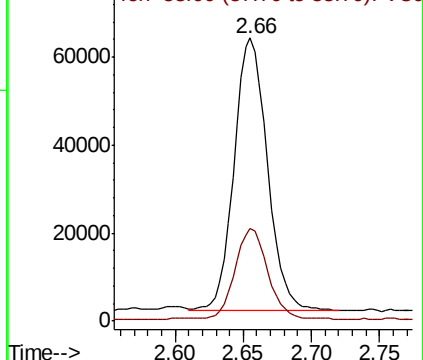
43 100

58 33.5 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: 59.108 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU037376.D

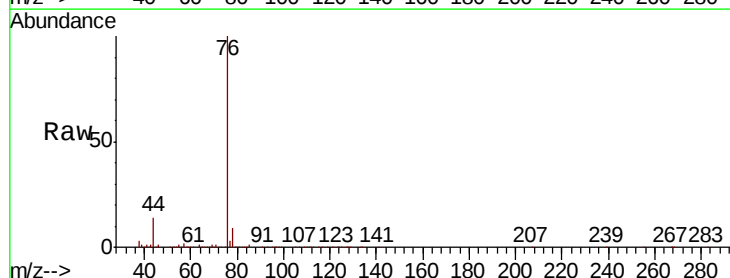
Acq: 27 Mar 2020 17:12

Tgt Ion: 76 Resp: 296605

Ion Ratio Lower Upper

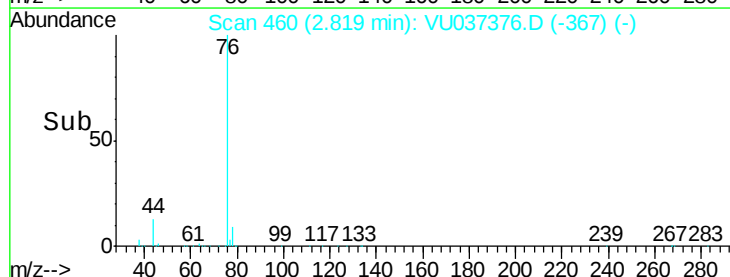
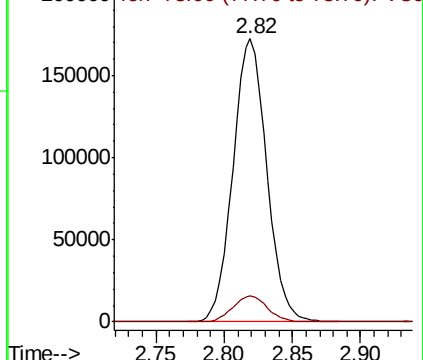
76 100

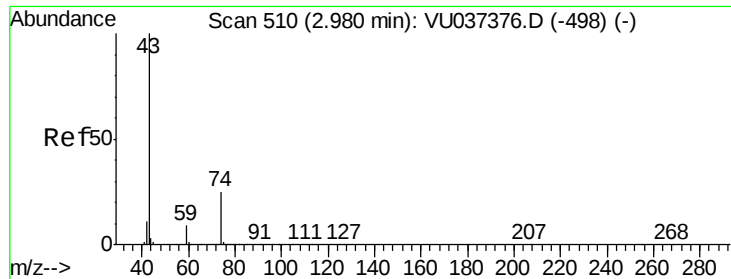
78 9.3 7.4 11.2



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

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

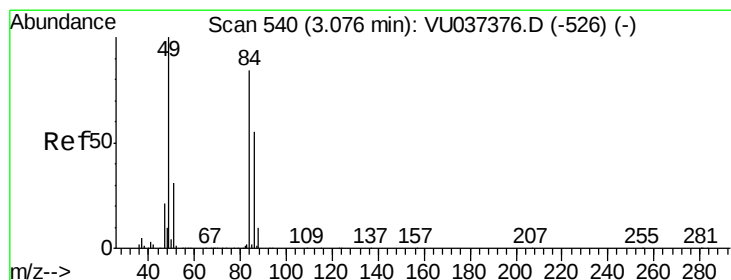
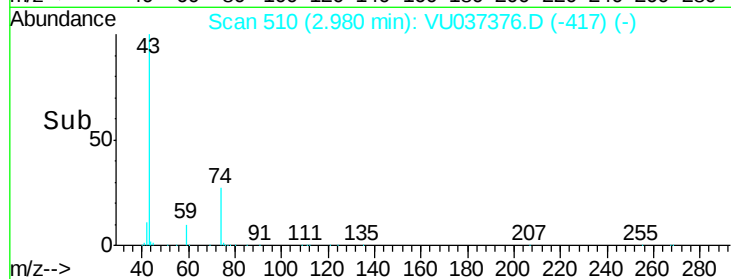
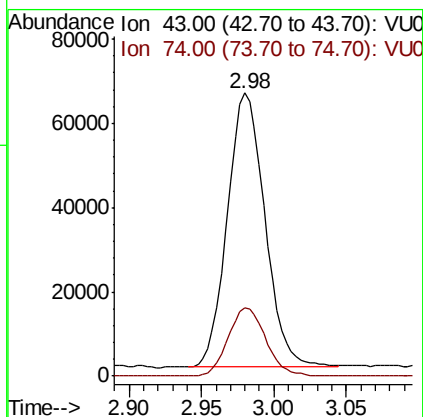
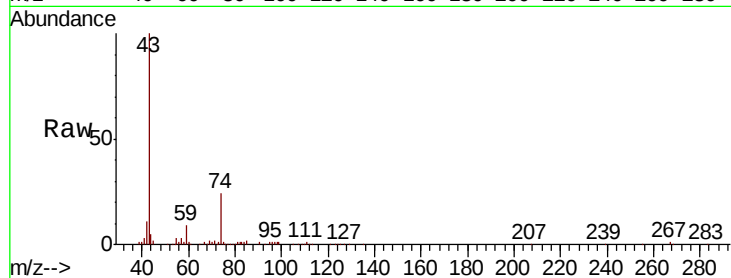




#15
Methyl Acetate
Concen: 42.513 ug/L
RT: 2.98 min Scan# 510
Delta R.T. 0.00 min
Lab File: VU037376.D
Acq: 27 Mar 2020 17:12

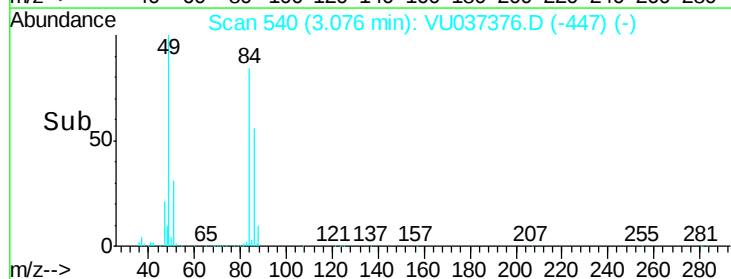
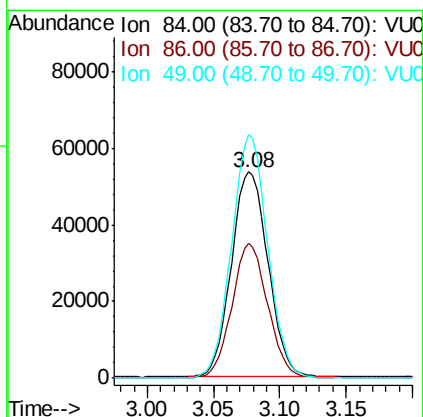
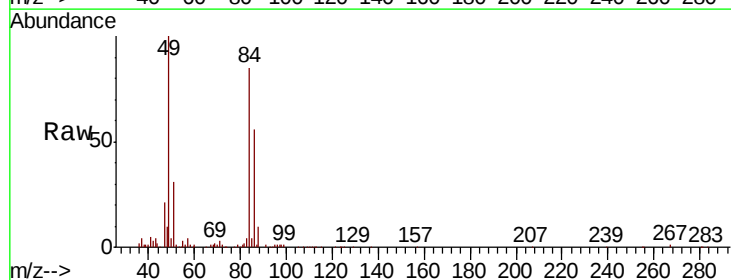
Instrument :
MSVOA_U
ClientSampleId :

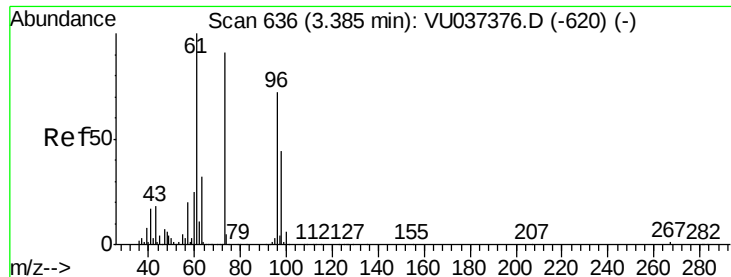
Tot Ion: 43 Resp: 116532
Ion Ratio Lower Upper
43 100
74 25.1 20.1 30.1



#16
Methylene chloride
Concen: 46.624 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU037376.D
Acq: 27 Mar 2020 17:12

Tgt Ion: 84 Resp: 103001
Ion Ratio Lower Upper
84 100
86 65.6 45.9 85.3
49 118.1 82.7 153.5





#17

trans-1,2-Dichloroethene

Concen: 51.722 ug/L

RT: 3.38 min Scan# 636

Delta R.T. 0.00 min

Lab File: VU037376.D

Acq: 27 Mar 2020 17:12

Instrument :

MSVOA_U

ClientSampleId :

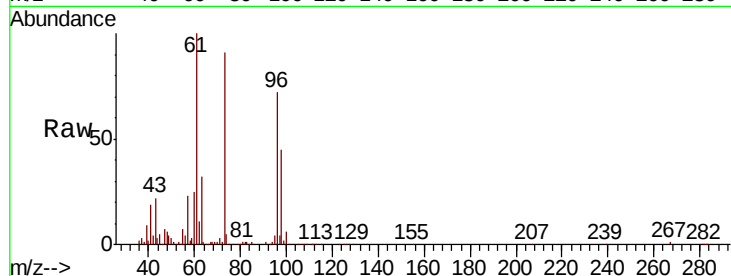
Tot Ion: 96 Resp: 95910

Ion Ratio Lower Upper

96 100

61 138.0 96.6 179.4

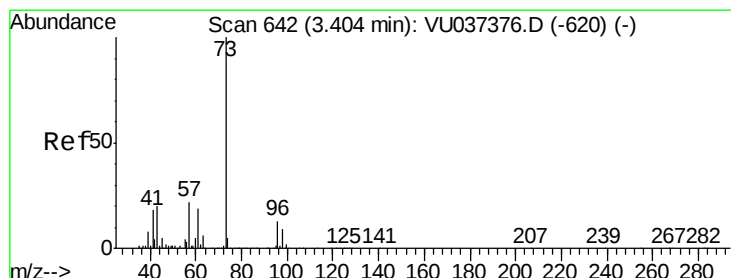
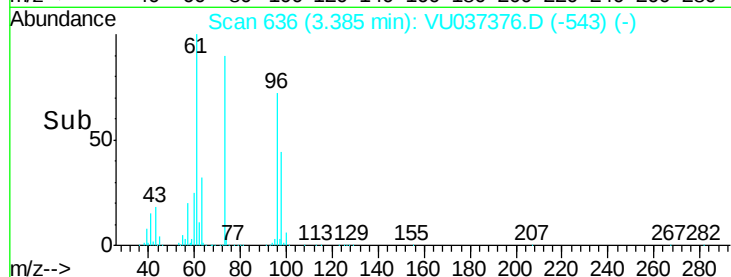
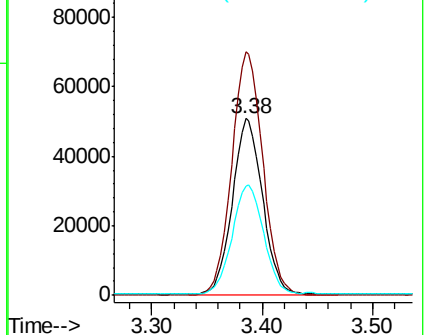
98 62.0 43.4 80.6



Abundance Ion 96.00 (95.70 to 96.70): VU037376.D (-620) (-)

Ion 61.00 (60.70 to 61.70): VU037376.D (-620) (-)

Ion 98.00 (97.70 to 98.70): VU037376.D (-620) (-)



#18

Methyl tert-butyl Ether

Concen: 44.862 ug/L

RT: 3.40 min Scan# 642

Delta R.T. 0.00 min

Lab File: VU037376.D

Acq: 27 Mar 2020 17:12

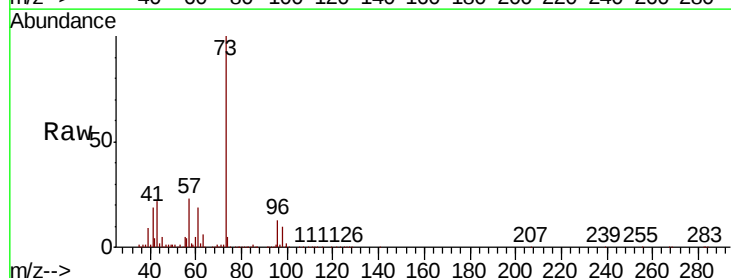
Tgt Ion: 73 Resp: 321260

Ion Ratio Lower Upper

73 100

43 20.3 16.2 24.4

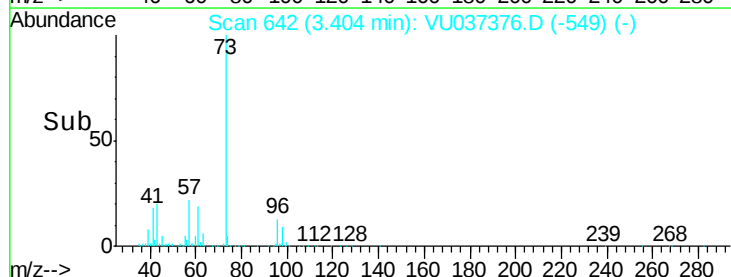
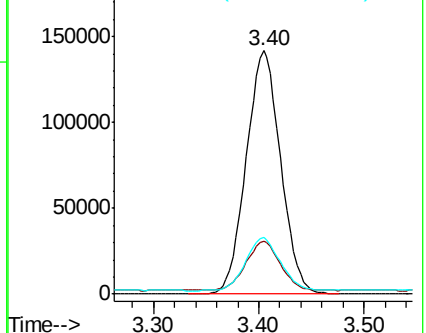
57 21.6 17.3 25.9

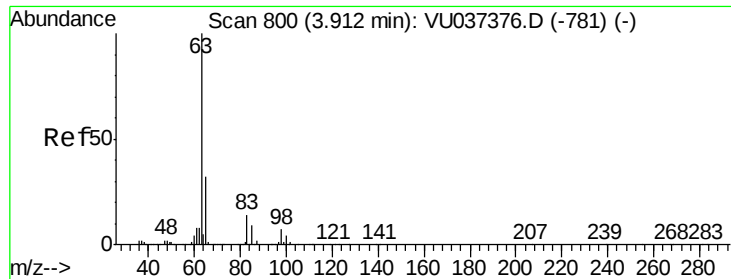


Abundance Ion 73.00 (72.70 to 73.70): VU037376.D (-620) (-)

Ion 43.00 (42.70 to 43.70): VU037376.D (-620) (-)

Ion 57.00 (56.70 to 57.70): VU037376.D (-620) (-)

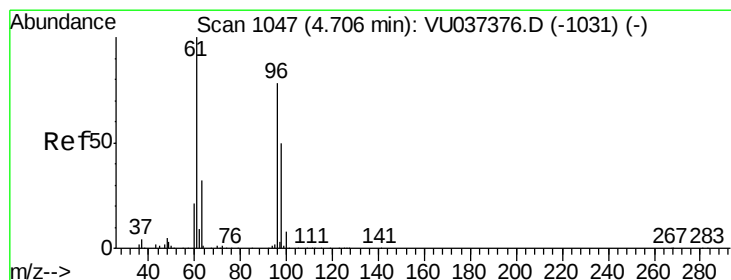
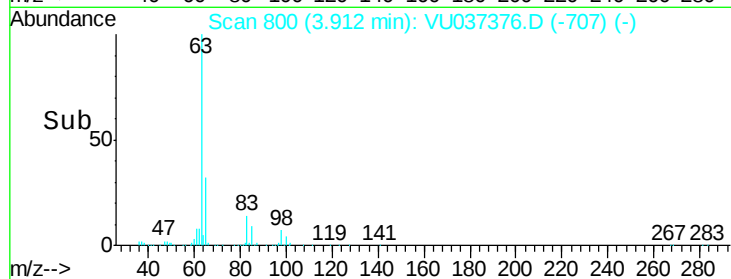
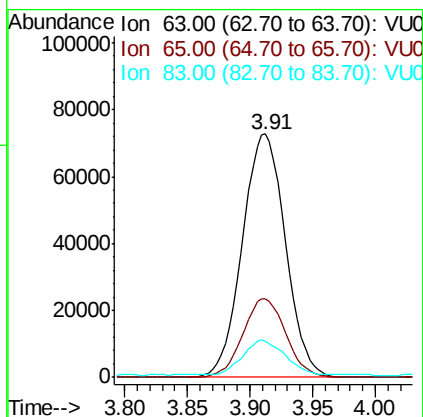
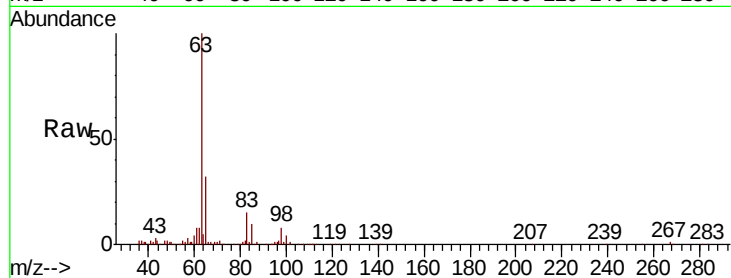




#19
 1,1-Dichloroethane
 Concen: 41.800 ug/L
 RT: 3.91 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: VU037376.D
 Acq: 27 Mar 2020 17:12

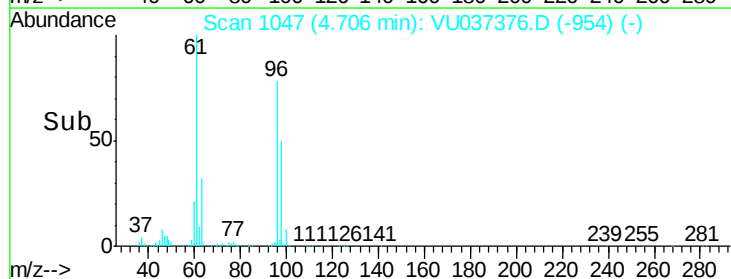
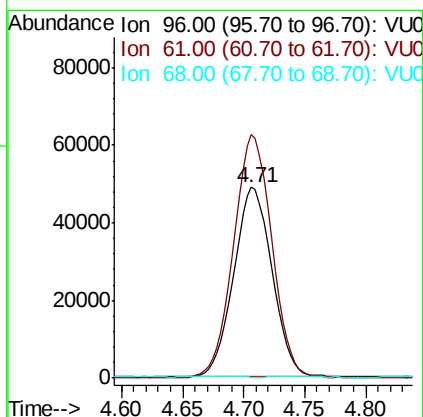
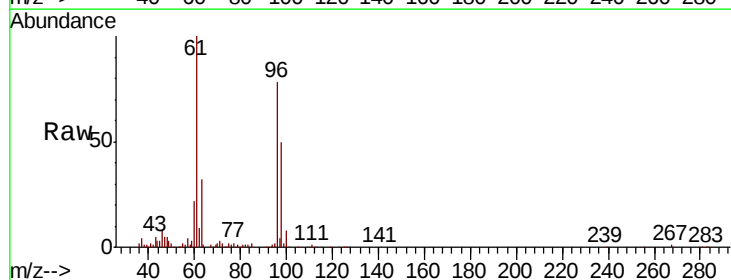
Instrument :
 MSVOA_U
 ClientSampleId :

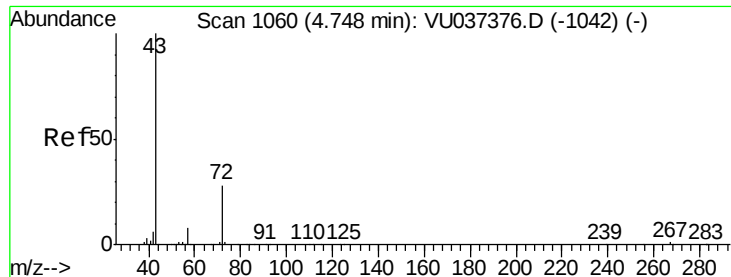
Tot Ion	Ratio	Lower	Upper
63	100		
65	32.0	22.4	41.6
83	15.1	10.6	19.6



#20
 cis-1,2-Dichloroethene
 Concen: 47.331 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. 0.00 min
 Lab File: VU037376.D
 Acq: 27 Mar 2020 17:12

Tgt Ion	Ratio	Lower	Upper
96	100		
61	127.7	89.4	166.0
68	0.5	0.3	0.7





#22

2-Butanone

Concen: 77.012 ug/L

RT: 4.75 min Scan# 1060

Delta R.T. 0.00 min

Lab File: VU037376.D

Acq: 27 Mar 2020 17:12

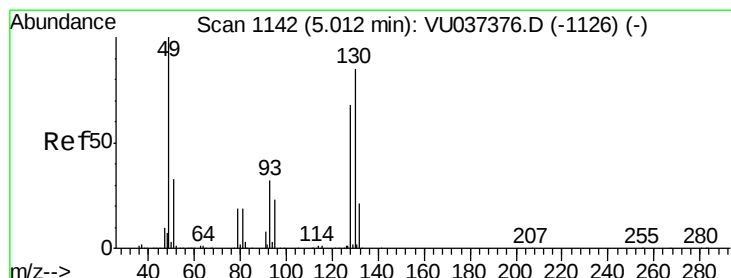
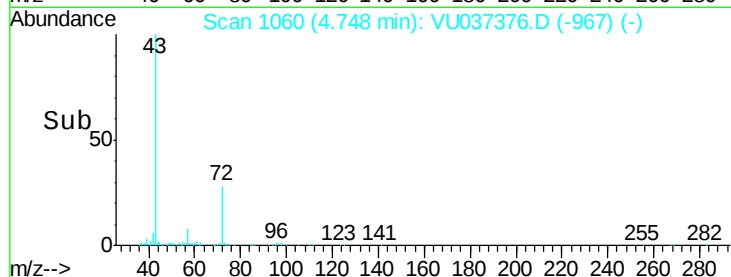
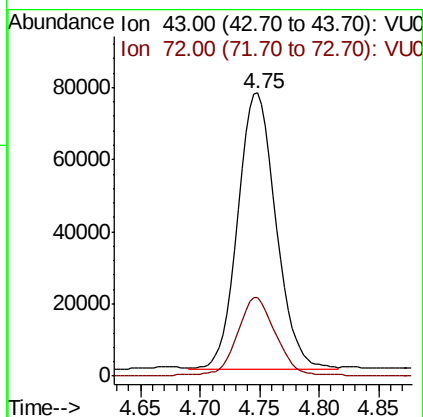
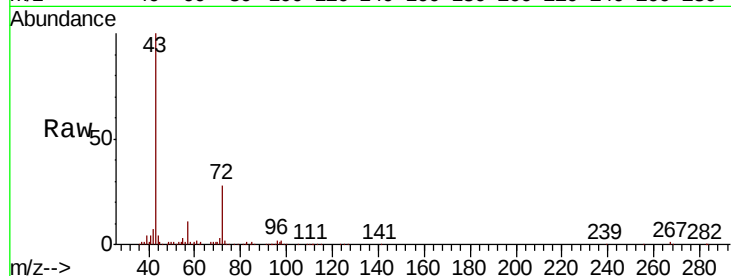
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 169751

Ion Ratio Lower Upper

43 100

72 28.1 14.1 42.2



#23

Bromochloromethane

Concen: 49.377 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU037376.D

Acq: 27 Mar 2020 17:12

Tgt Ion: 128 Resp: 55849

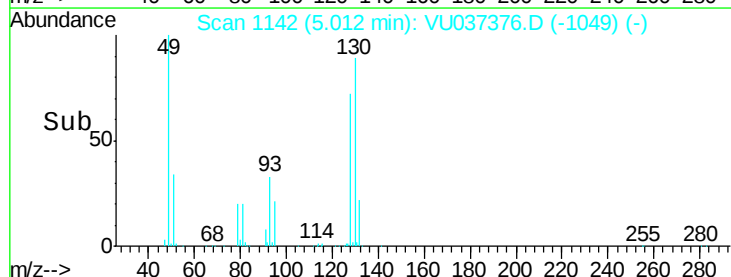
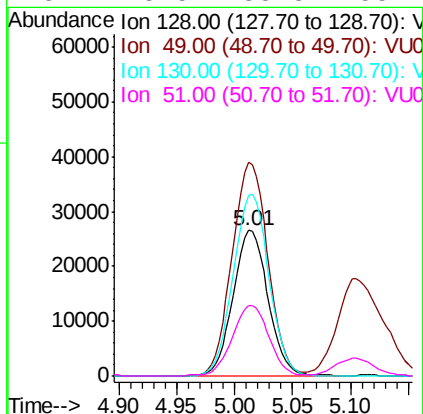
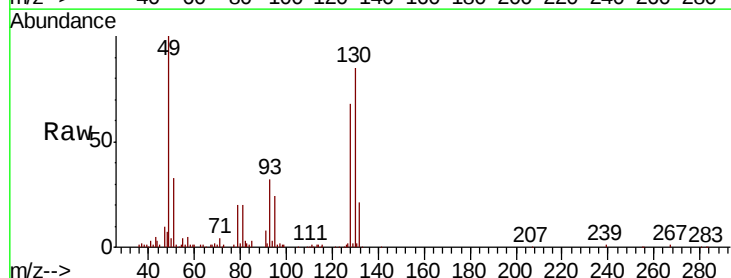
Ion Ratio Lower Upper

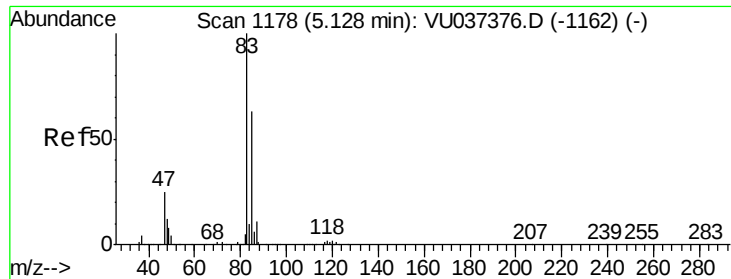
128 100

49 146.6 102.6 190.6

130 123.9 86.7 161.1

51 48.5 38.8 58.2





#25

Chloroform

Concen: 40.143 ug/L

RT: 5.13 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VU037376.D

Acq: 27 Mar 2020 17:12

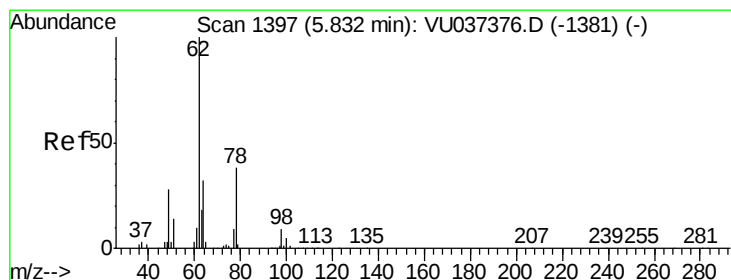
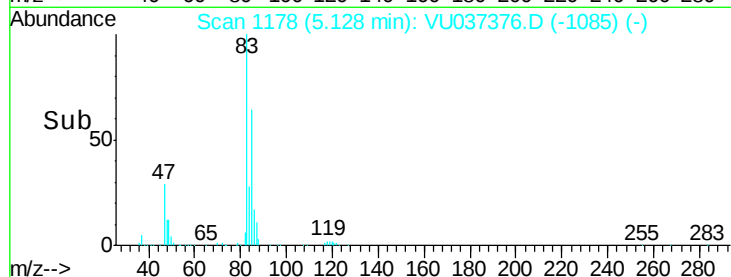
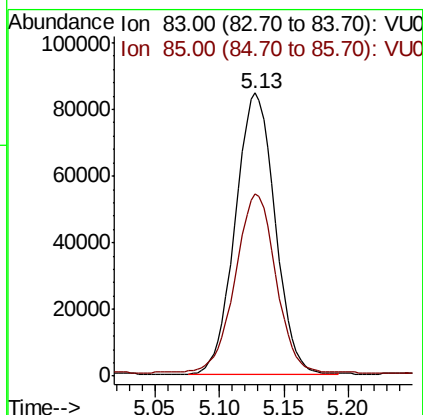
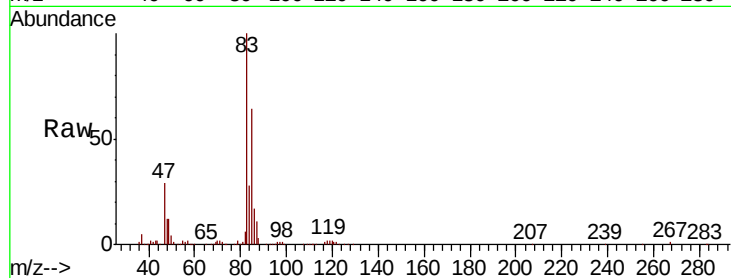
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 180113

Ion Ratio Lower Upper

83 100

85 64.4 45.1 83.7



#27

1,2-Dichloroethane

Concen: 36.397 ug/L

RT: 5.83 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VU037376.D

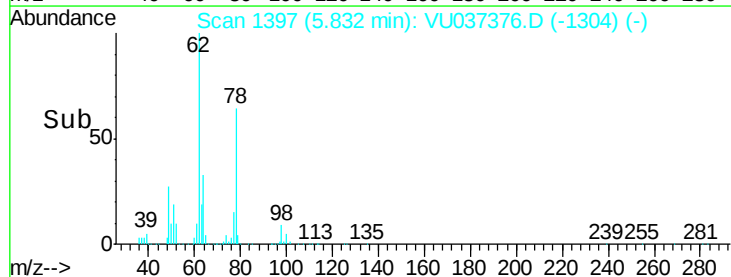
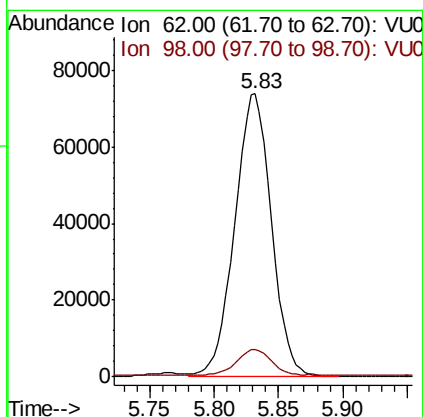
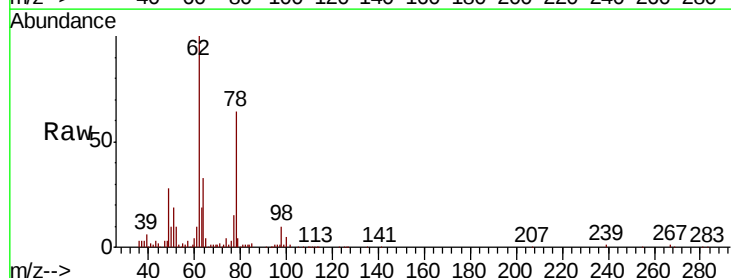
Acq: 27 Mar 2020 17:12

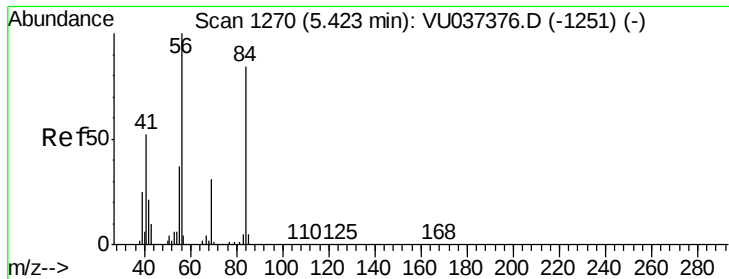
Tgt Ion: 62 Resp: 145510

Ion Ratio Lower Upper

62 100

98 9.6 7.7 11.5

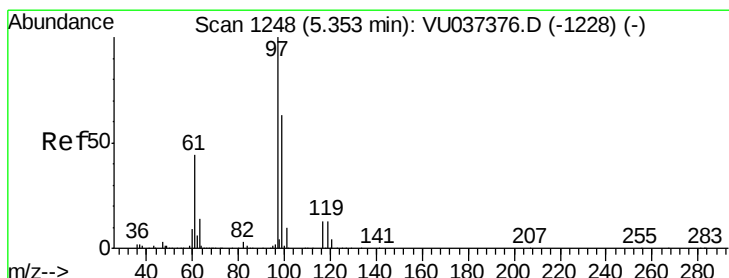
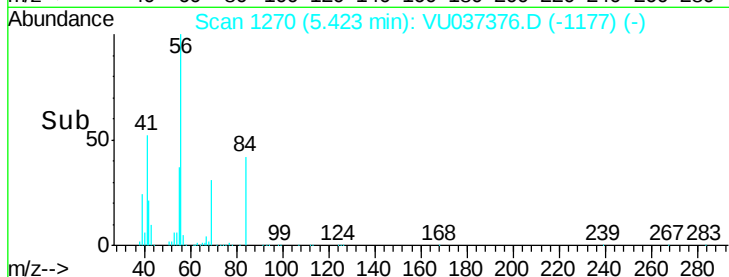
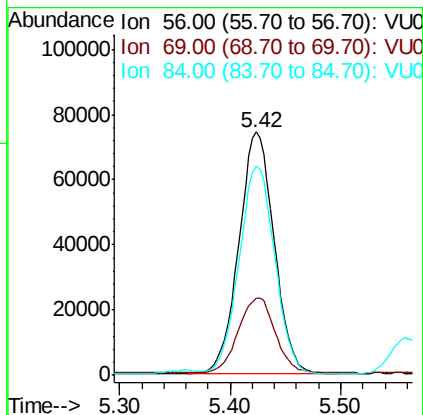
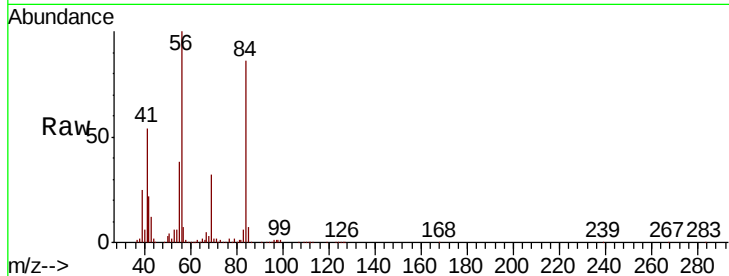




#29
Cyclohexane
Concen: 48.823 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VU037376.D
Acq: 27 Mar 2020 17:12

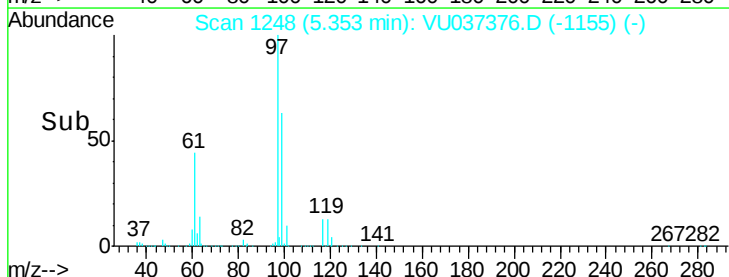
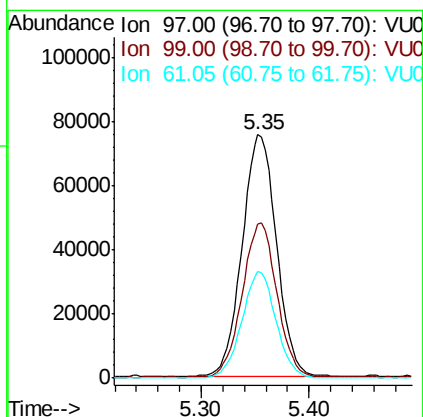
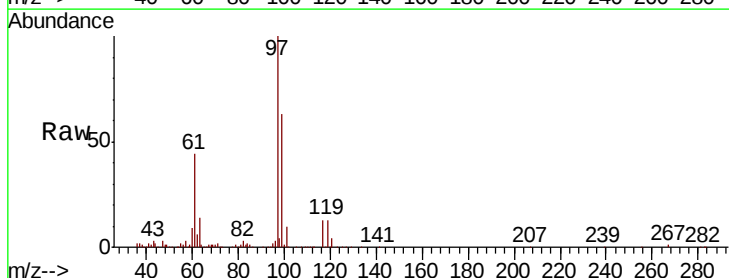
Instrument :
MSVOA_U
ClientSampleId :

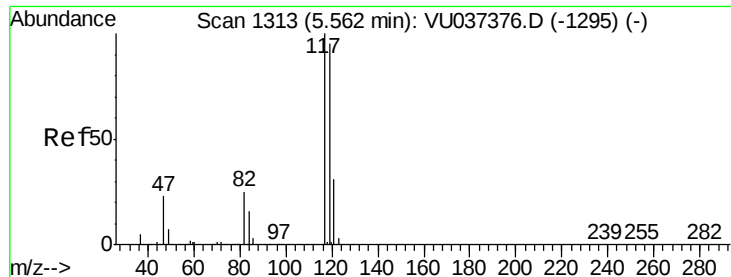
Tot Ion: 56 Resp: 164305
Ion Ratio Lower Upper
56 100
69 32.2 25.8 38.6
84 87.6 70.1 105.1



#30
1,1,1-Trichloroethane
Concen: 44.291 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VU037376.D
Acq: 27 Mar 2020 17:12

Tgt Ion: 97 Resp: 167352
Ion Ratio Lower Upper
97 100
99 64.2 51.4 77.0
61 43.9 35.1 52.7





#31

Carbon tetrachloride

Concen: 43.258 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU037376.D

Acq: 27 Mar 2020 17:12

Instrument :

MSVOA_U

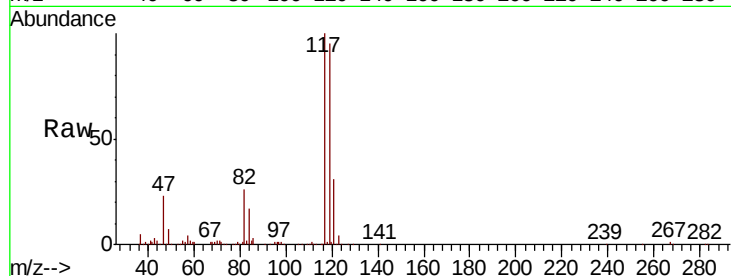
ClientSampleId :

Tot Ion:117 Resp: 144418

Ion Ratio Lower Upper

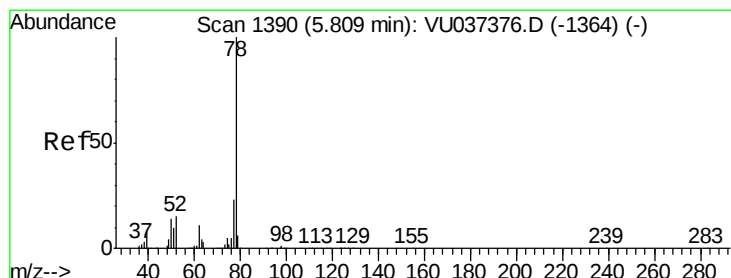
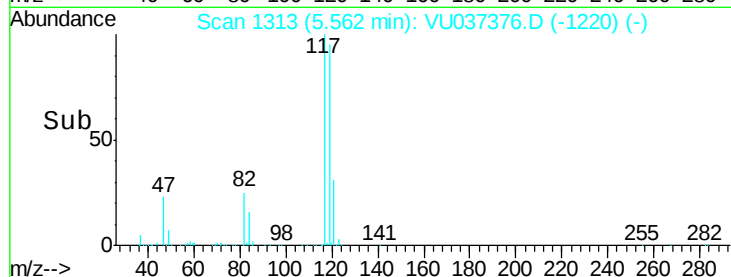
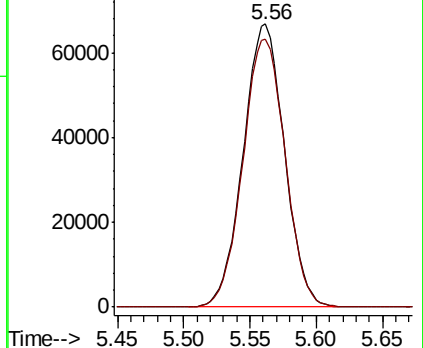
117 100

119 97.1 77.7 116.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 47.377 ug/L

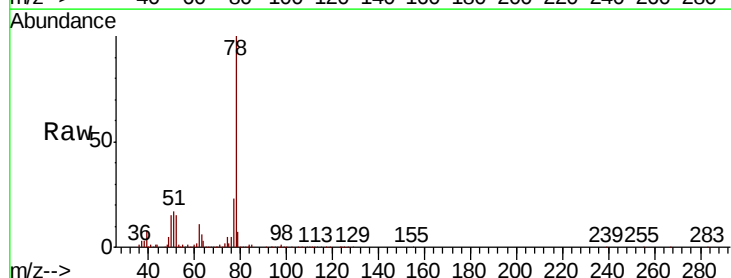
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

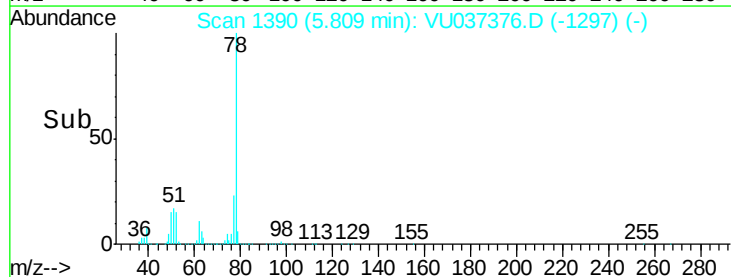
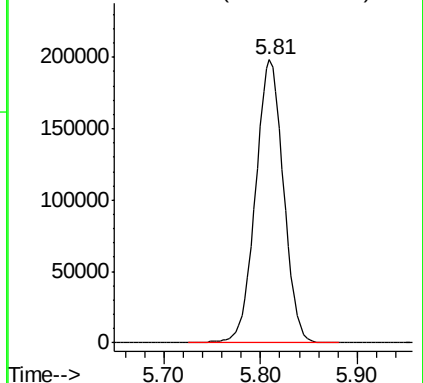
Lab File: VU037376.D

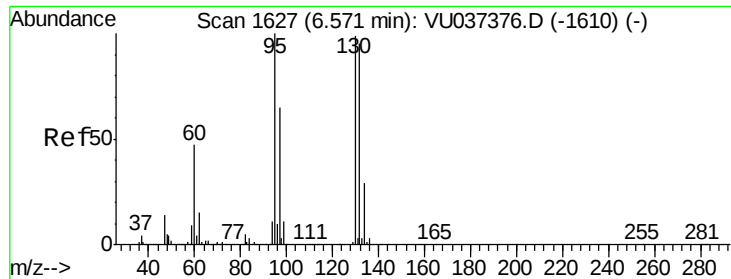
Acq: 27 Mar 2020 17:12

Tgt Ion: 78 Resp: 397519



Abundance Ion 78.00 (77.70 to 78.70): VU0

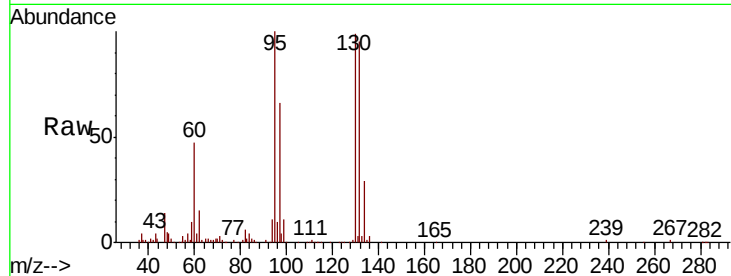




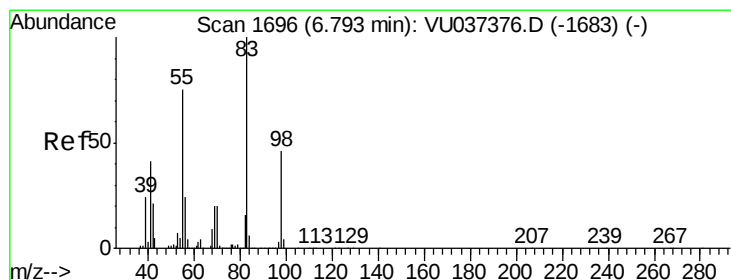
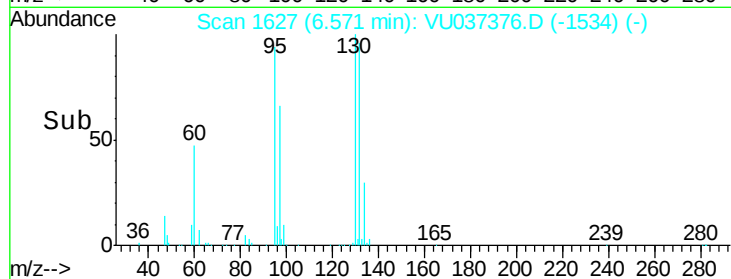
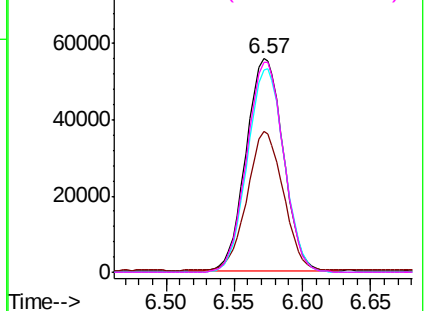
#34
 Trichloroethene
 Concen: 48.530 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU037376.D
 Acq: 27 Mar 2020 17:12

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	95	Resp:	105810
Ion	Ratio	Lower	Upper
95	100		
97	65.8	46.1	85.5
132	94.7	66.3	123.1
130	98.5	69.0	128.1

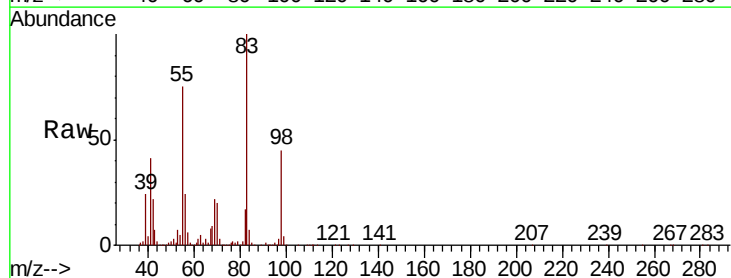


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

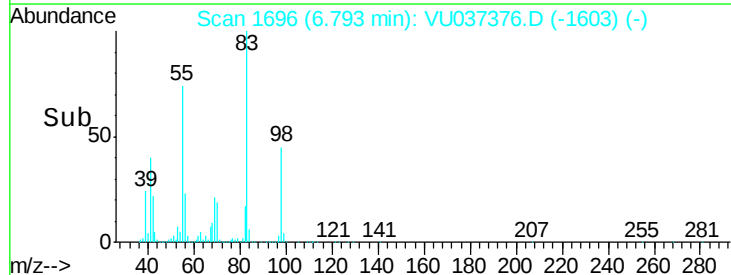
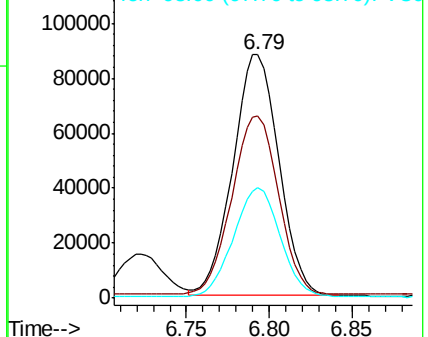


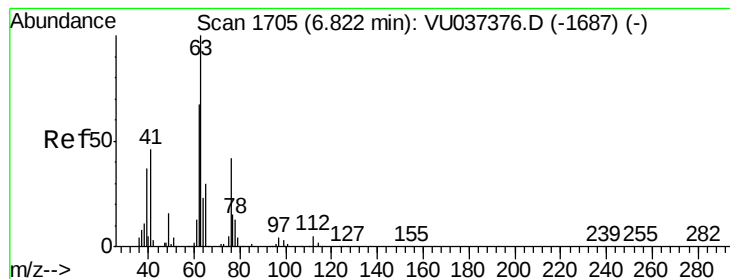
#35
 Methylcyclohexane
 Concen: 51.347 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. 0.00 min
 Lab File: VU037376.D
 Acq: 27 Mar 2020 17:12

Tgt Ion:	83	Resp:	169494
Ion	Ratio	Lower	Upper
83	100		
55	75.1	60.1	90.1
98	46.1	36.9	55.3



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 55.00 (54.70 to 55.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 43.369 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. 0.00 min

Lab File: VU037376.D

Acq: 27 Mar 2020 17:12

Instrument :

MSVOA_U

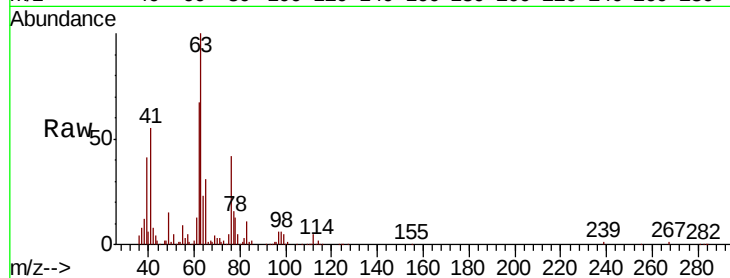
ClientSampleId :

Tot Ion: 63 Resp: 103435

Ion Ratio Lower Upper

63 100

112 4.2 3.4 5.0



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

Ion 112.00 (111.70 to 112.70): VU037376.D (-1687) (-)

6.82

60000

50000

40000

30000

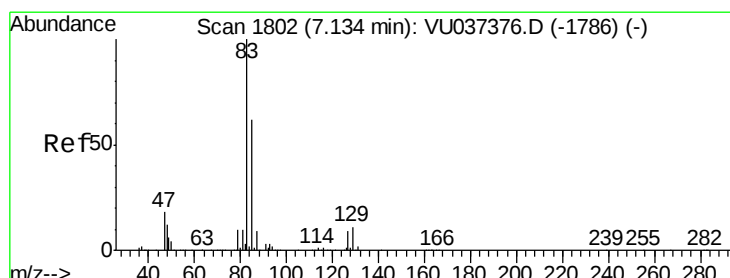
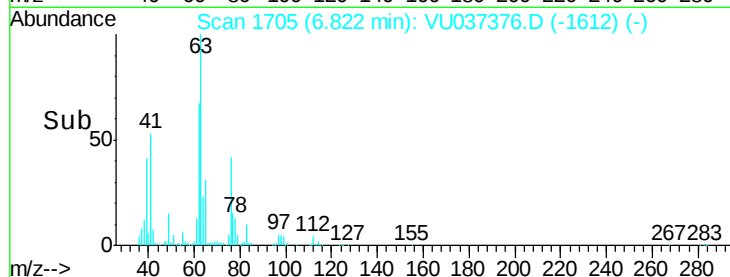
20000

10000

0

6.75 6.80 6.85 6.90

Time-->



#38

Bromodichloromethane

Concen: 43.967 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VU037376.D

Acq: 27 Mar 2020 17:12

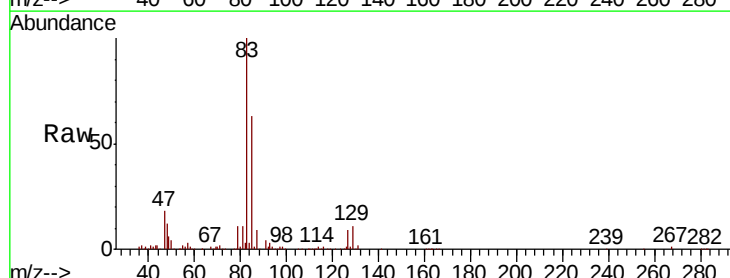
Tgt Ion: 83 Resp: 146603

Ion Ratio Lower Upper

83 100

85 63.2 44.2 82.2

127 9.7 7.8 11.6



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

Ion 85.00 (84.70 to 85.70): VU037376.D (-1786) (-)

Ion 127.00 (126.70 to 127.70): VU037376.D (-1786) (-)

7.13

100000

80000

60000

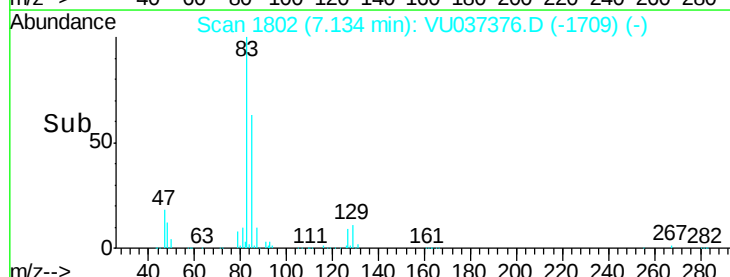
40000

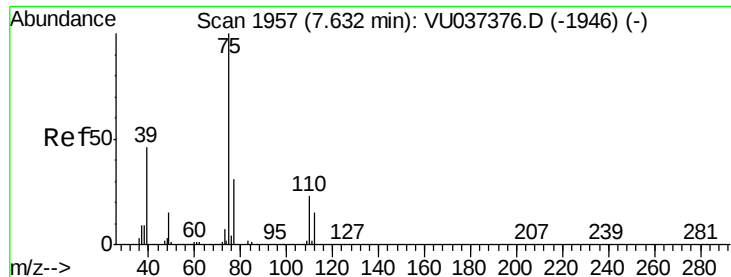
20000

0

7.05 7.10 7.15 7.20

Time-->

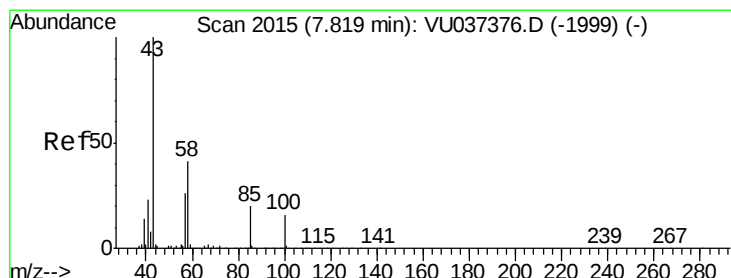
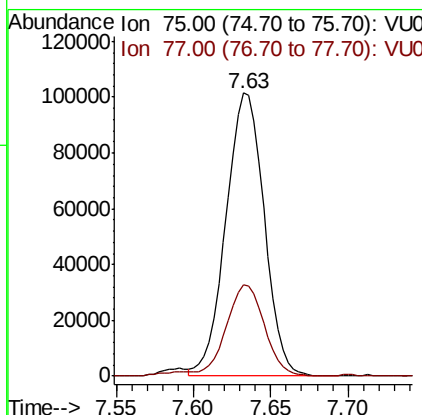
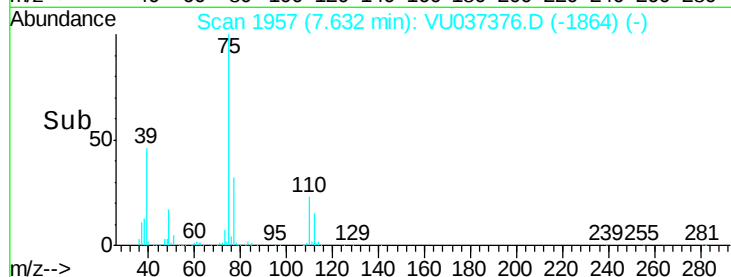
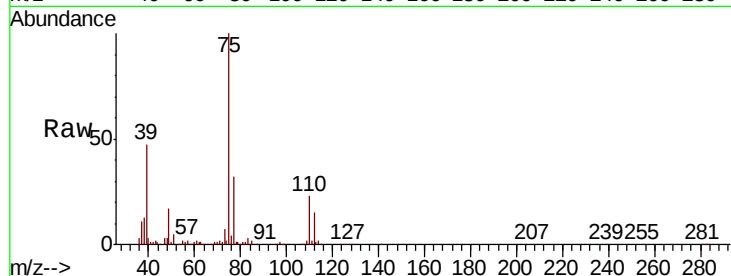




#39
 cis-1,3-Dichloropropene
 Concen: 47.041 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU037376.D
 Acq: 27 Mar 2020 17:12

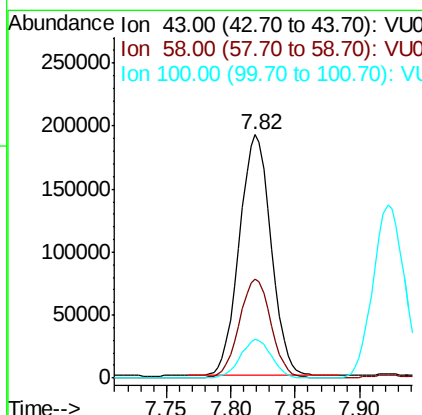
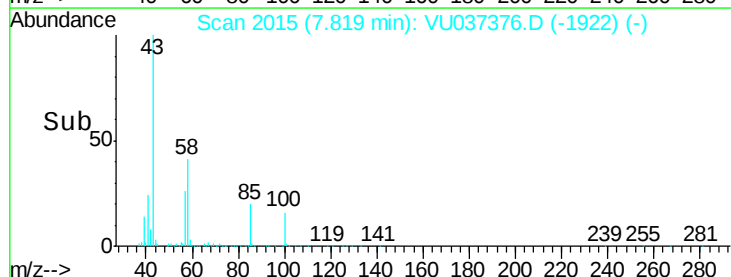
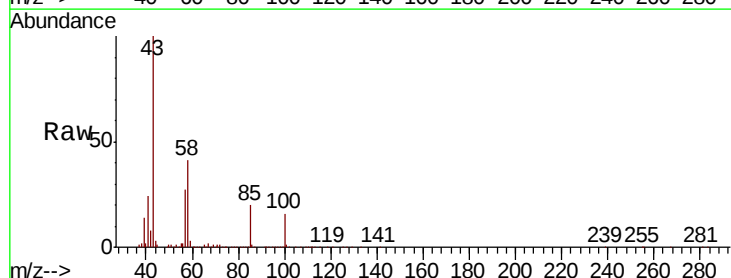
Instrument :
 MSVOA_U
 ClientSampleId :

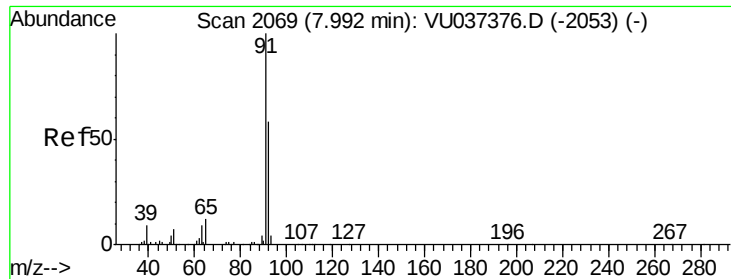
Tot Ion: 75 Resp: 173961
 Ion Ratio Lower Upper
 75 100
 77 32.2 22.5 41.9



#40
 4-Methyl-2-pentanone
 Concen: 84.636 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. 0.00 min
 Lab File: VU037376.D
 Acq: 27 Mar 2020 17:12

Tgt Ion: 43 Resp: 328596
 Ion Ratio Lower Upper
 43 100
 58 40.8 0.0 0.0#
 100 15.8 0.0 0.0#





#42

Toluene

Concen: 46.706 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU037376.D

Acq: 27 Mar 2020 17:12

Instrument :

MSVOA_U

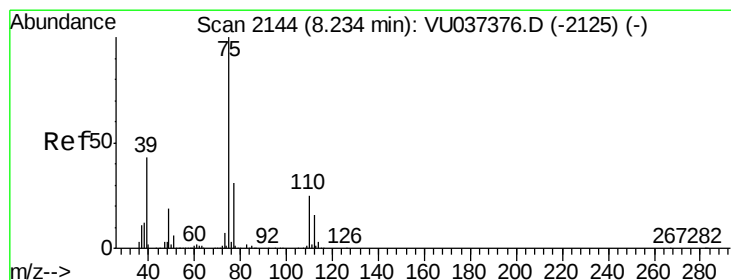
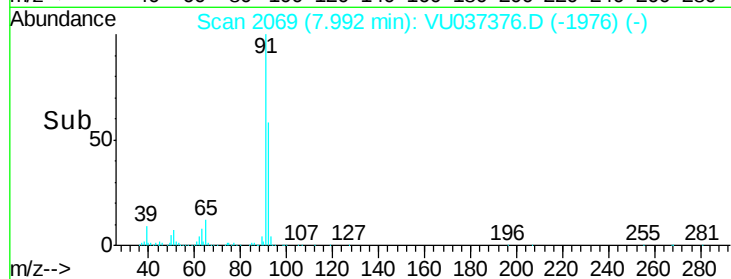
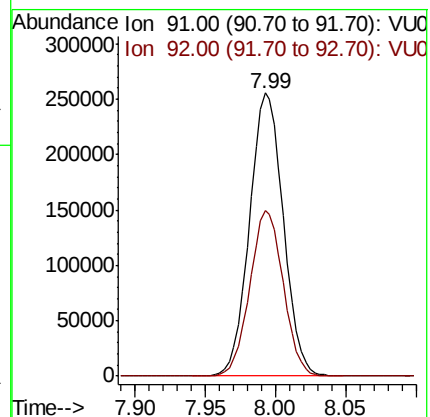
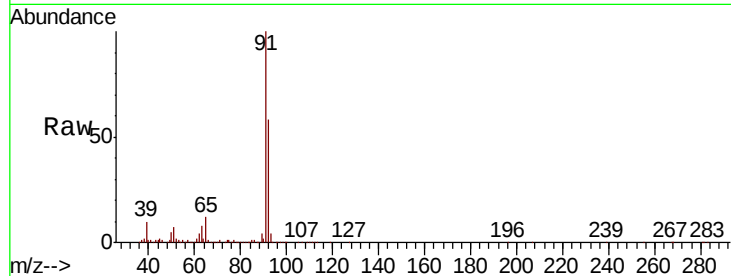
ClientSampled :

Tot Ion: 91 Resp: 427953

Ion Ratio Lower Upper

91 100

92 58.4 40.9 75.9



#44

trans-1,3-Dichloropropene

Concen: 49.988 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU037376.D

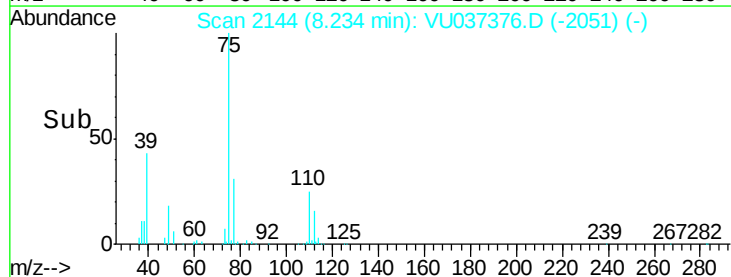
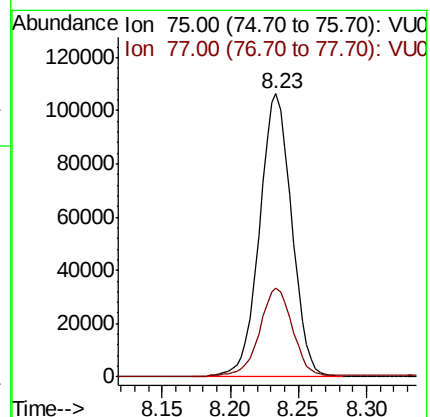
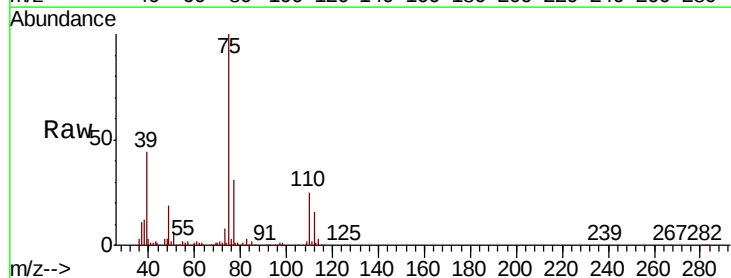
Acq: 27 Mar 2020 17:12

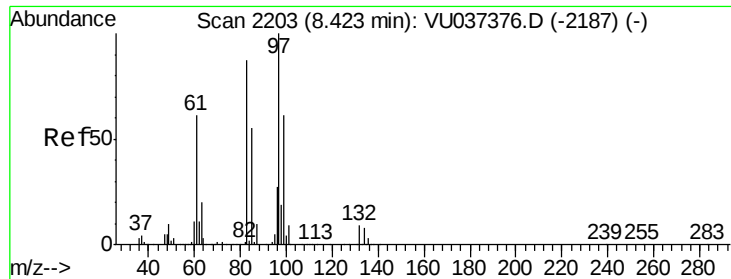
Tgt Ion: 75 Resp: 174538

Ion Ratio Lower Upper

75 100

77 31.3 21.9 40.7

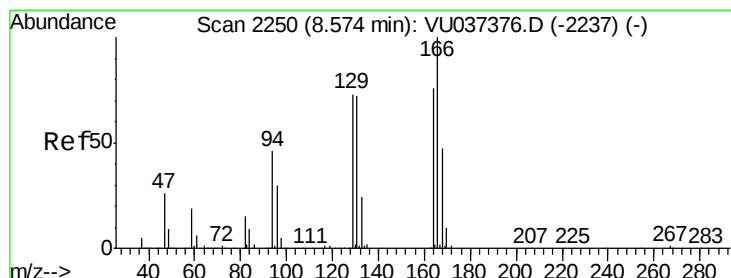
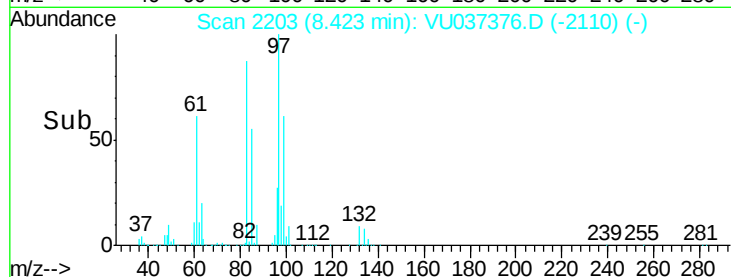
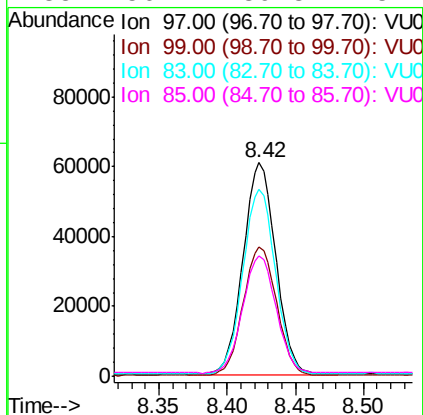
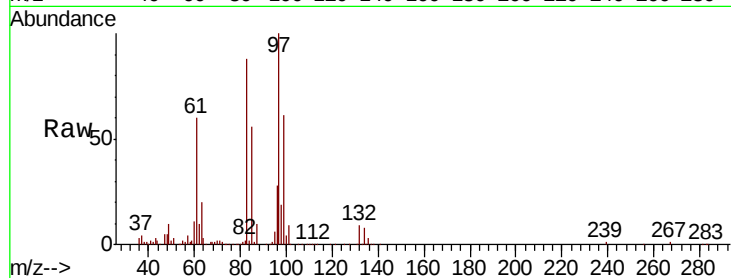




#45
1,1,2-Trichloroethane
Concen: 46.448 ug/L
RT: 8.42 min Scan# 2203
Delta R.T. 0.00 min
Lab File: VU037376.D
Acq: 27 Mar 2020 17:12

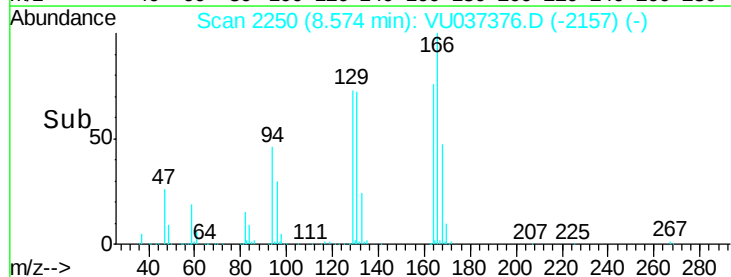
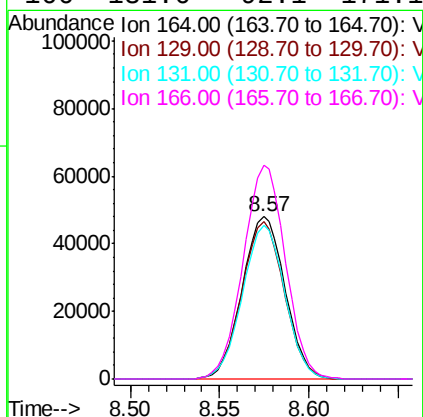
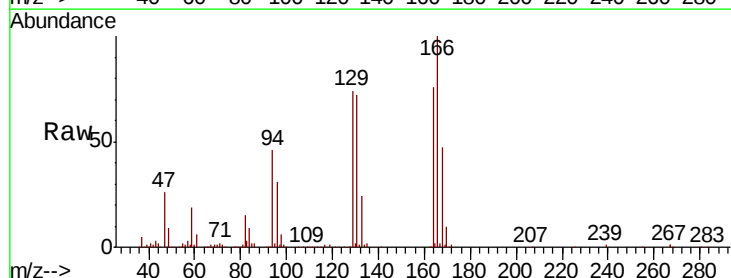
Instrument :
MSVOA_U
ClientSampled :

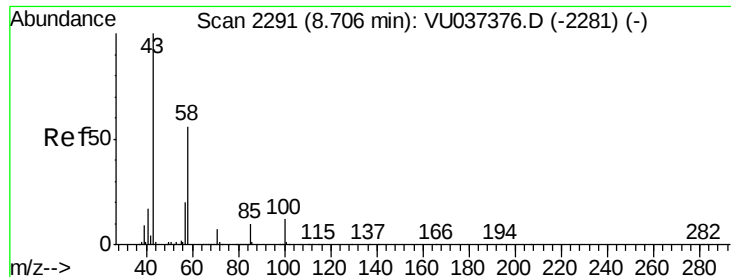
Tot Ion:	97	Resp:	100869
Ion	Ratio	Lower	Upper
97	100		
99	60.5	42.4	78.6
83	87.6	61.3	113.9
85	56.2	39.3	73.1



#46
Tetrachloroethene
Concen: 49.911 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. 0.00 min
Lab File: VU037376.D
Acq: 27 Mar 2020 17:12

Tgt Ion:	164	Resp:	80846
Ion	Ratio	Lower	Upper
164	100		
129	96.9	67.8	126.0
131	94.5	66.1	122.8
166	131.6	92.1	171.1

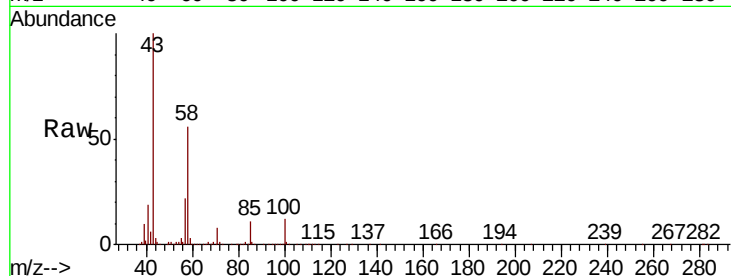




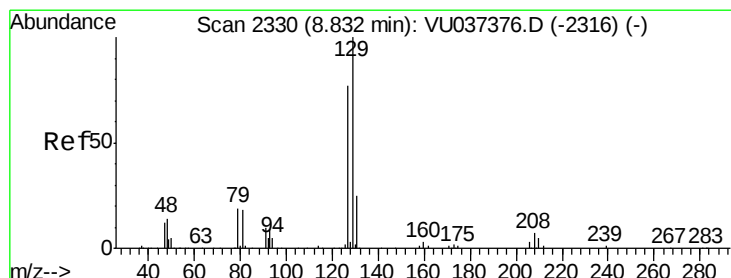
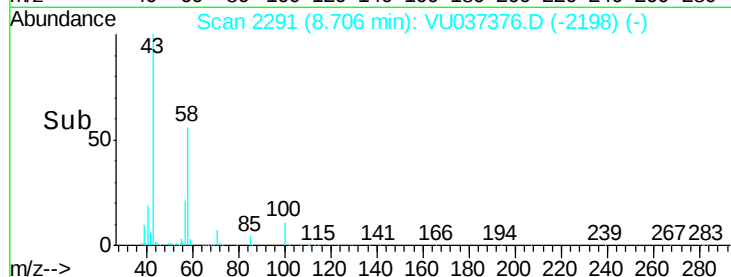
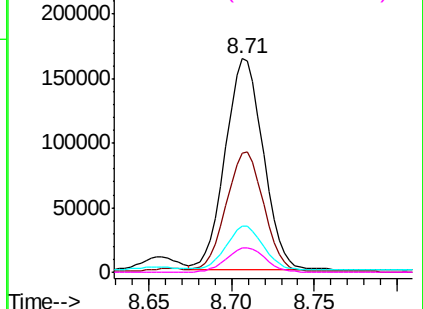
#48
2-Hexanone
Concen: 84.949 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU037376.D
Acq: 27 Mar 2020 17:12

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	43	Resp:	259908
Ion	Ratio	Lower	Upper
43	100		
58	56.6	45.3	67.9
57	20.2	16.2	24.2
100	12.1	9.7	14.5

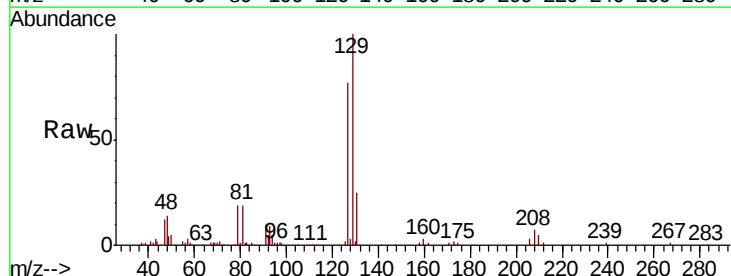


Abundance Ion 43.00 (42.70 to 43.70): VU037376.D (-2281) (-)
Ion 58.00 (57.70 to 58.70): VU037376.D (-2281) (-)
Ion 57.00 (56.70 to 57.70): VU037376.D (-2281) (-)
Ion 100.00 (99.70 to 100.70): VU037376.D (-2281) (-)

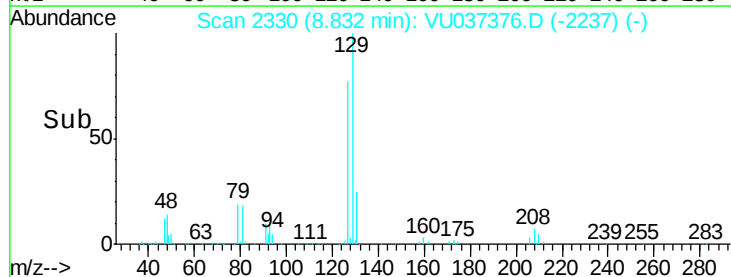
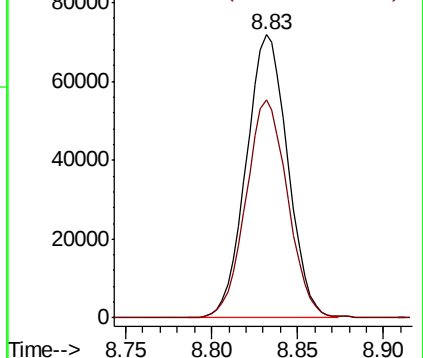


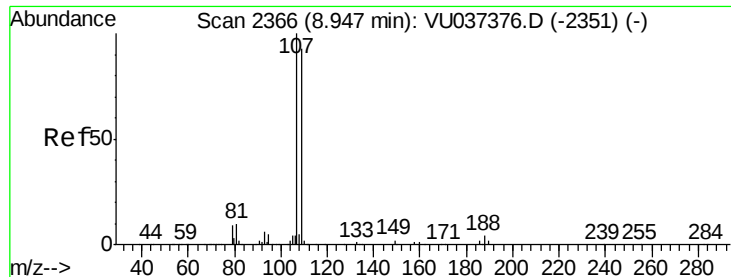
#49
Dibromochloromethane
Concen: 47.098 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU037376.D
Acq: 27 Mar 2020 17:12

Tgt Ion:	129	Resp:	120328
Ion	Ratio	Lower	Upper
129	100		
127	77.0	53.9	100.1



Abundance Ion 129.00 (128.70 to 129.70): VU037376.D (-2316) (-)
Ion 127.00 (126.70 to 127.70): VU037376.D (-2316) (-)

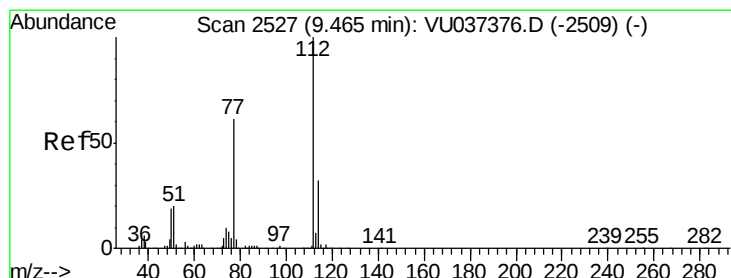
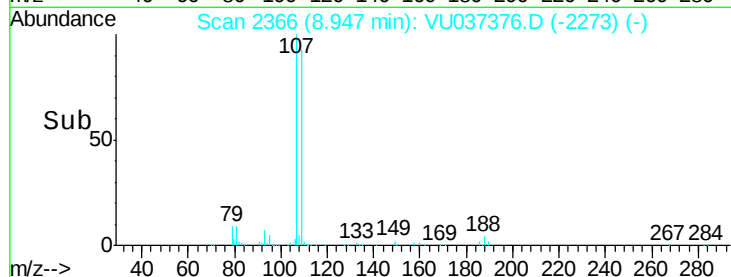
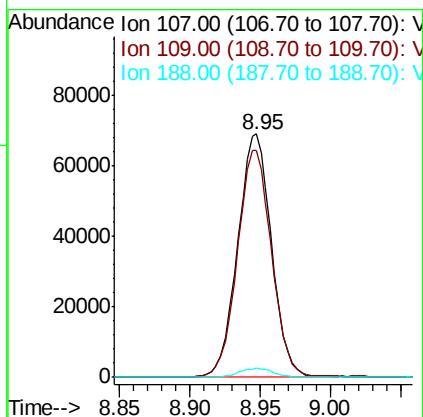
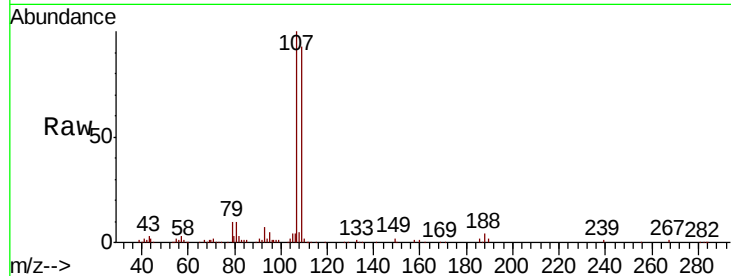




#50
 1,2-Dibromoethane
 Concen: 49.389 ug/L
 RT: 8.95 min Scan# 2366
 Delta R.T. 0.00 min
 Lab File: VU037376.D
 Acq: 27 Mar 2020 17:12

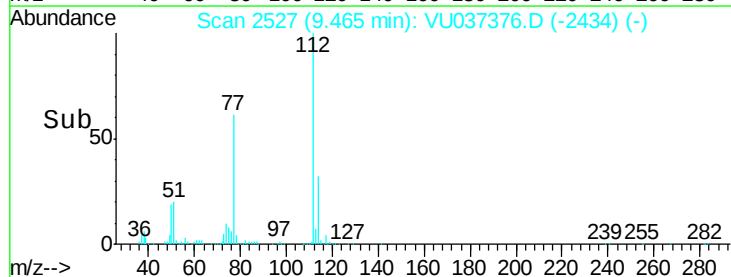
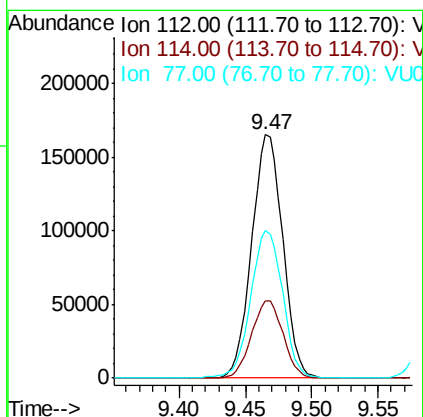
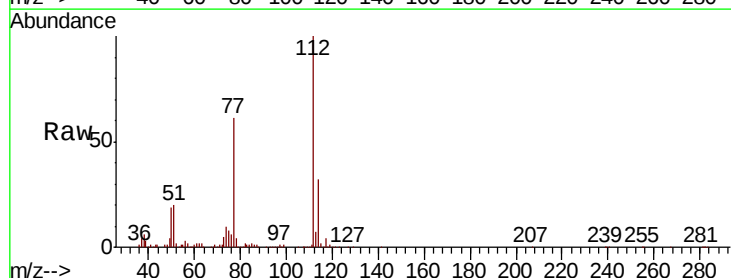
Instrument :
 MSVOA_U
 ClientSampleId :

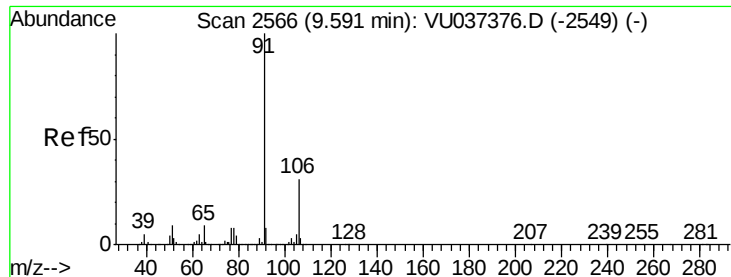
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.0	65.1	120.9
188	3.7	3.0	4.4



#51
 Chlorobenzene
 Concen: 46.900 ug/L
 RT: 9.47 min Scan# 2527
 Delta R.T. 0.00 min
 Lab File: VU037376.D
 Acq: 27 Mar 2020 17:12

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.3	41.5
77	60.7	48.6	72.8





#52

Ethylbenzene

Concen: 45.310 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VU037376.D

Acq: 27 Mar 2020 17:12

Instrument :

MSVOA_U

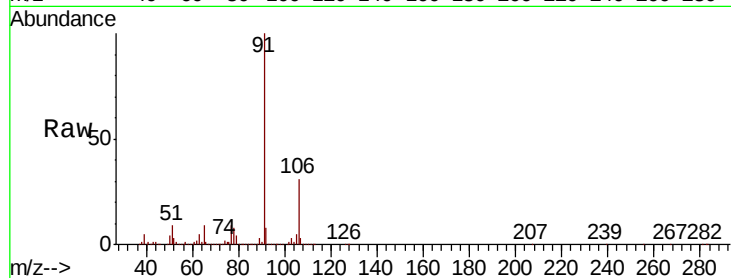
ClientSampleId :

Tot Ion: 91 Resp: 480717

Ion Ratio Lower Upper

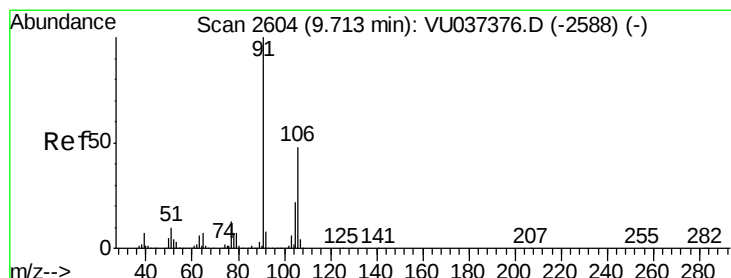
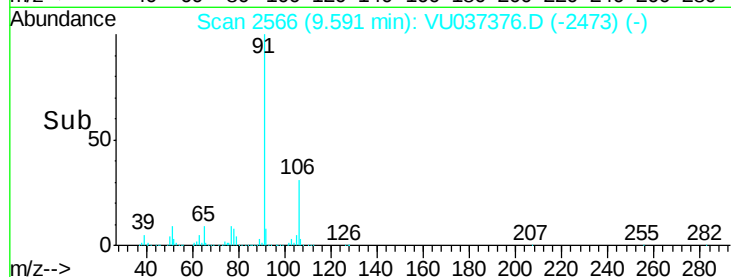
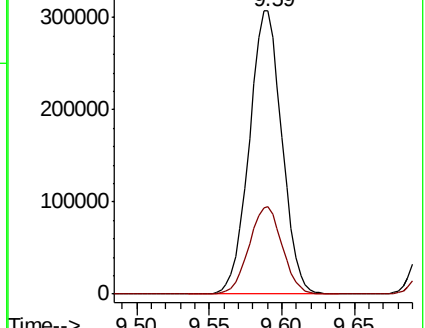
91 100

106 30.7 21.5 39.9



Abundance Ion 91.00 (90.70 to 91.70): VU037376.D (-2549) (-)

Ion 106.00 (105.70 to 106.70): VU037376.D (-2549) (-)



#53

m,p-Xylene

Concen: 48.840 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VU037376.D

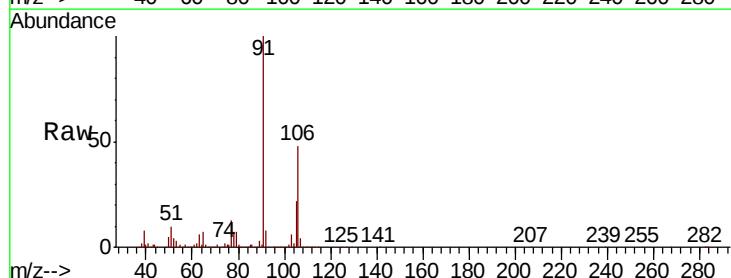
Acq: 27 Mar 2020 17:12

Tgt Ion: 106 Resp: 183275

Ion Ratio Lower Upper

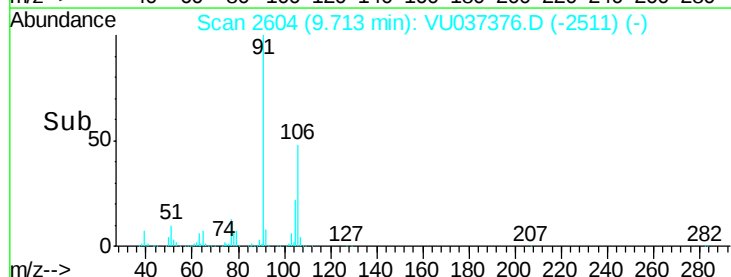
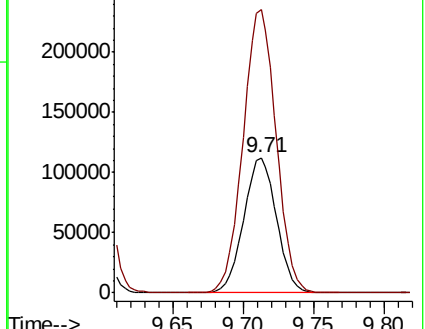
106 100

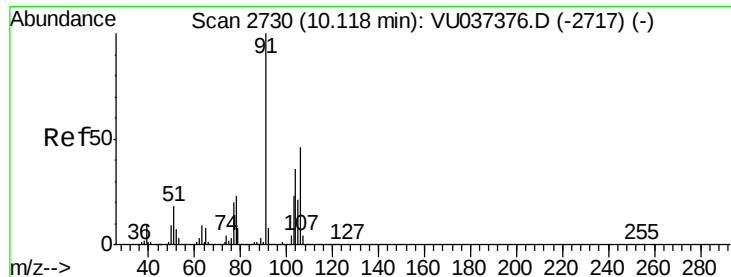
91 209.3 146.5 272.1



Abundance Ion 106.00 (105.70 to 106.70): VU037376.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VU037376.D (-2588) (-)

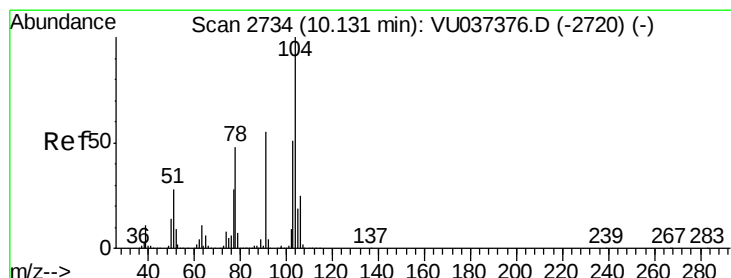
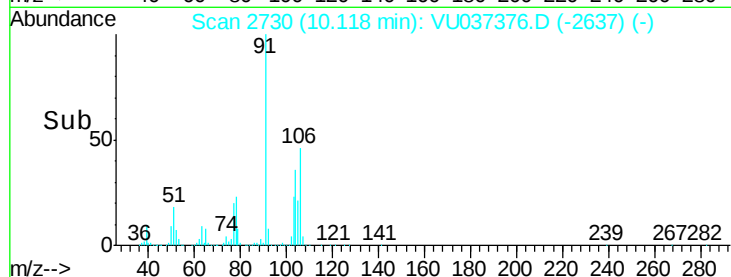
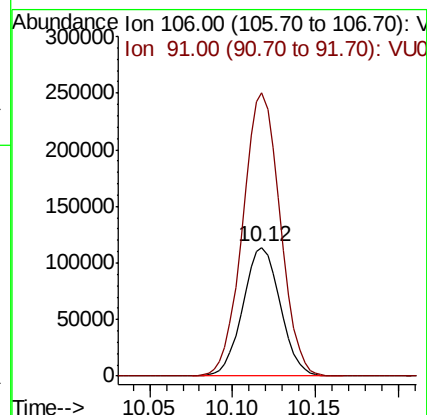
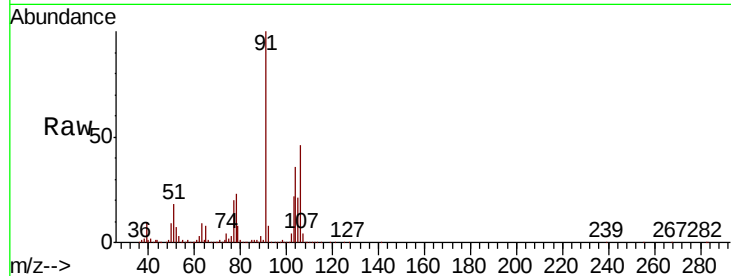




#54
o-xylene
Concen: 47.999 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. 0.00 min
Lab File: VU037376.D
Acq: 27 Mar 2020 17:12

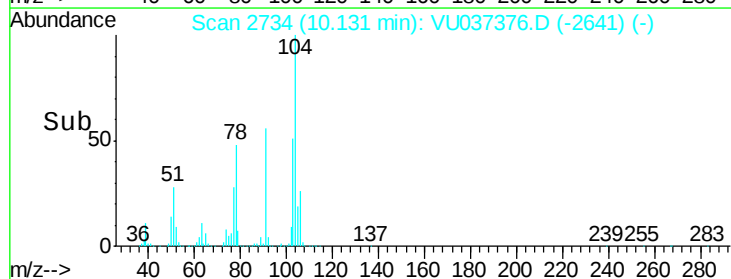
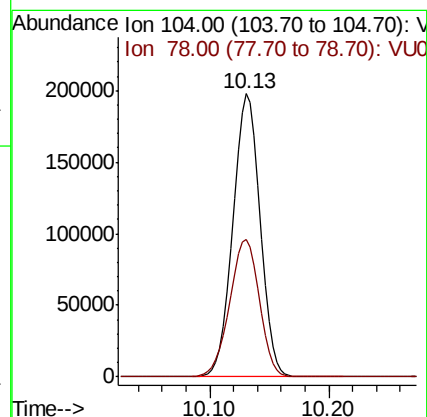
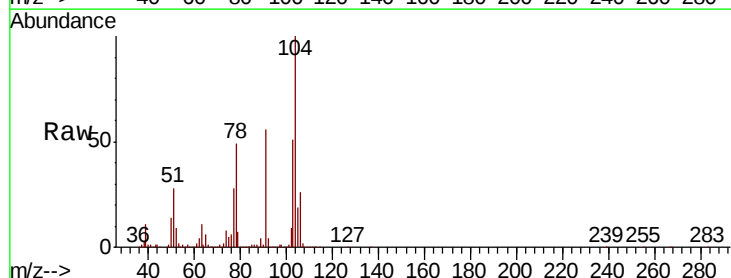
Instrument :
MSVOA_U
ClientSampleId :

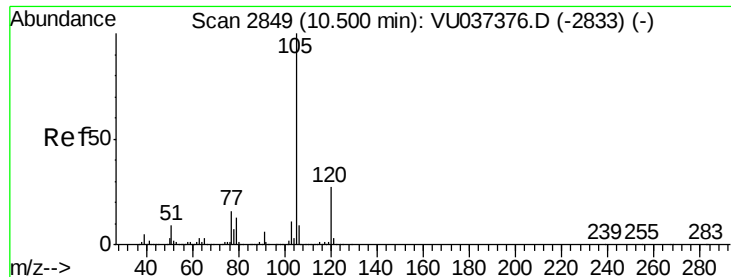
Tot Ion:106 Resp: 177954
Ion Ratio Lower Upper
106 100
91 219.5 153.6 285.3



#55
Styrene
Concen: 49.836 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU037376.D
Acq: 27 Mar 2020 17:12

Tgt Ion:104 Resp: 313331
Ion Ratio Lower Upper
104 100
78 48.6 34.0 63.2





#56

Isopropylbenzene

Concen: 46.585 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU037376.D

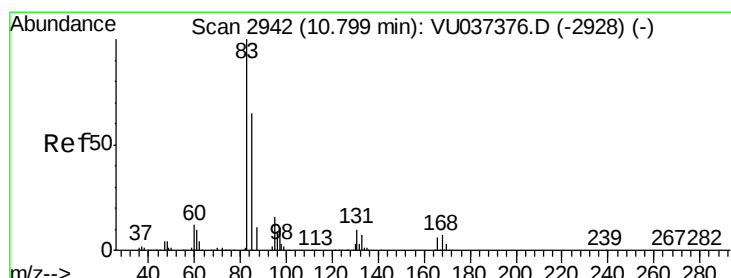
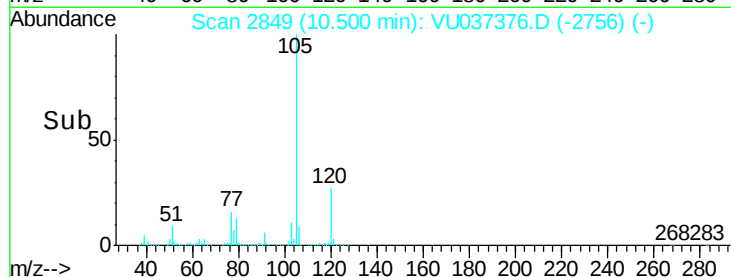
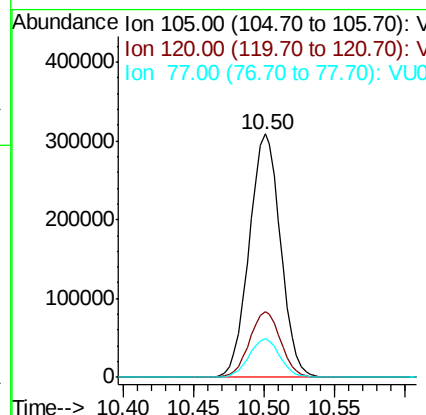
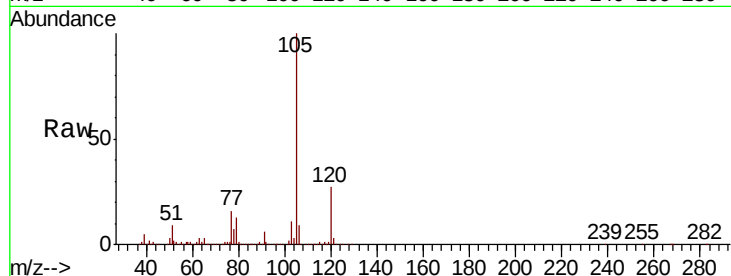
Acq: 27 Mar 2020 17:12

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:	105	Resp:	480050
Ion	Ratio	Lower	Upper
105	100		
120	26.9	21.5	32.3
77	15.8	12.6	19.0



#58

1,1,2,2-Tetrachloroethane

Concen: 44.674 ug/L

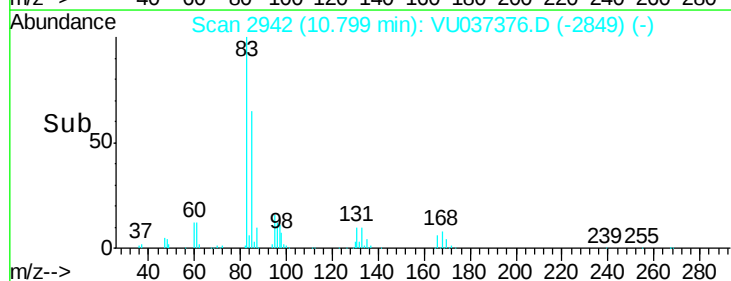
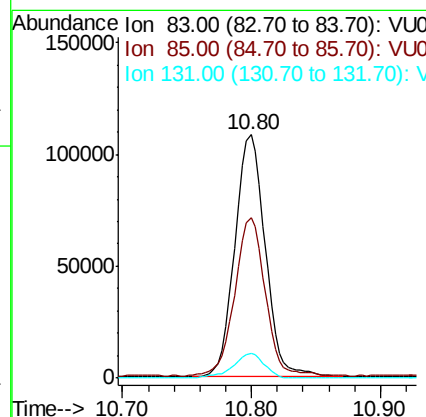
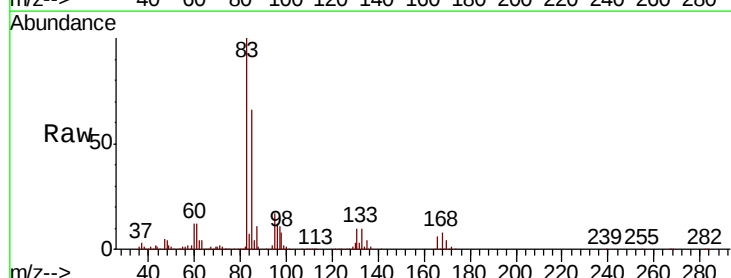
RT: 10.80 min Scan# 2942

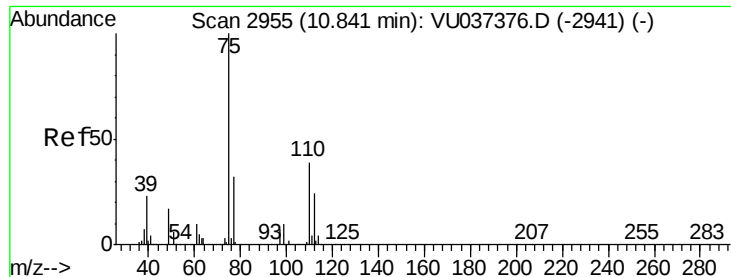
Delta R.T. 0.00 min

Lab File: VU037376.D

Acq: 27 Mar 2020 17:12

Tgt Ion:	83	Resp:	177087
Ion	Ratio	Lower	Upper
83	100		
85	65.8	46.1	85.5
131	10.0	8.0	12.0





#59

1,2,3-Trichloropropane

Concen: 42.783 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. 0.00 min

Lab File: VU037376.D

Acq: 27 Mar 2020 17:12

Instrument :

MSVOA_U

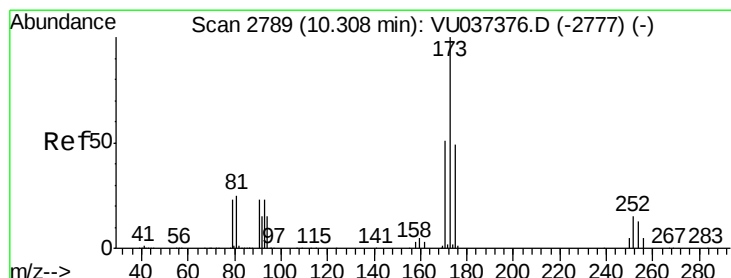
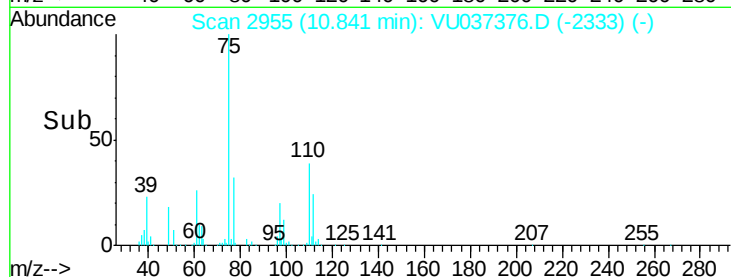
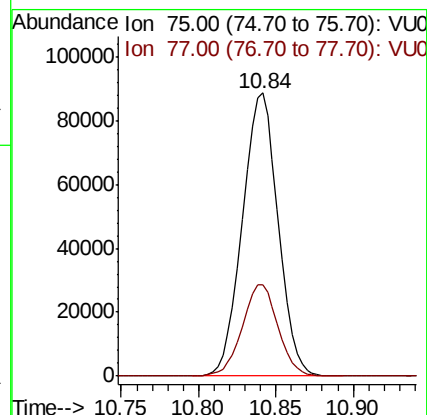
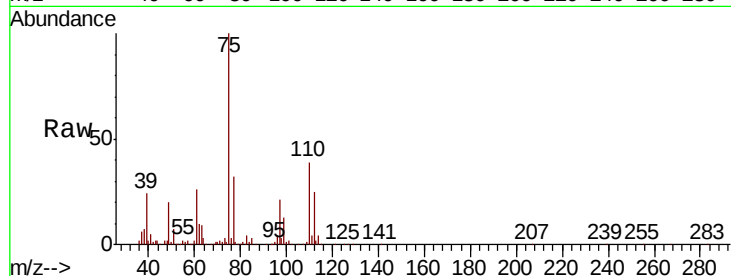
ClientSampleId :

Tot Ion: 75 Resp: 141842

Ion Ratio Lower Upper

75 100

77 32.0 25.6 38.4



#61

Bromoform

Concen: 47.807 ug/L

RT: 10.31 min Scan# 2789

Delta R.T. 0.00 min

Lab File: VU037376.D

Acq: 27 Mar 2020 17:12

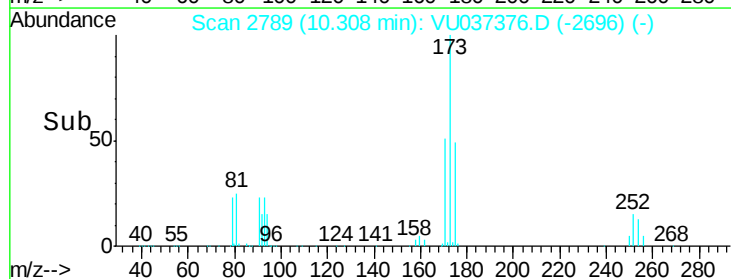
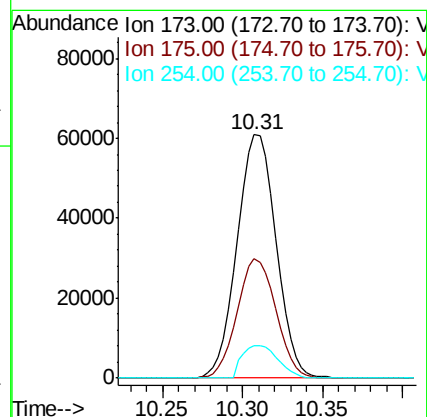
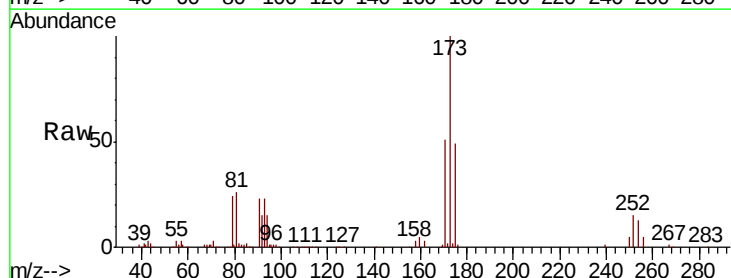
Tgt Ion: 173 Resp: 101327

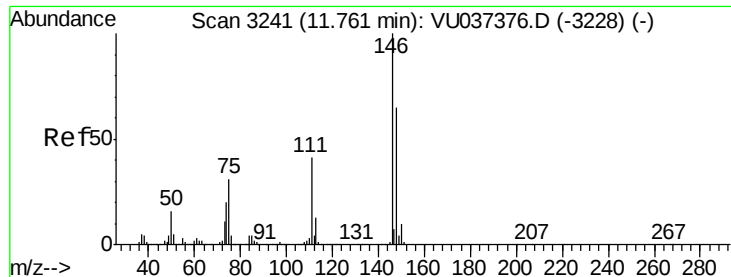
Ion Ratio Lower Upper

173 100

175 48.7 39.0 58.4

254 12.3 9.8 14.8

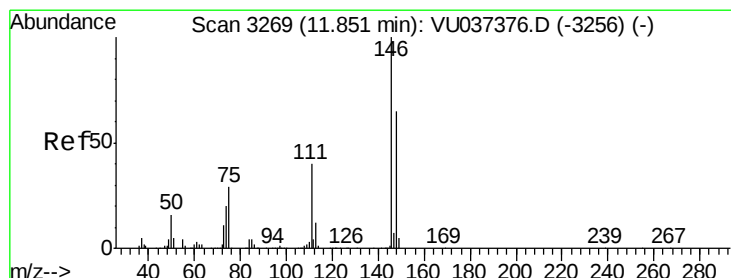
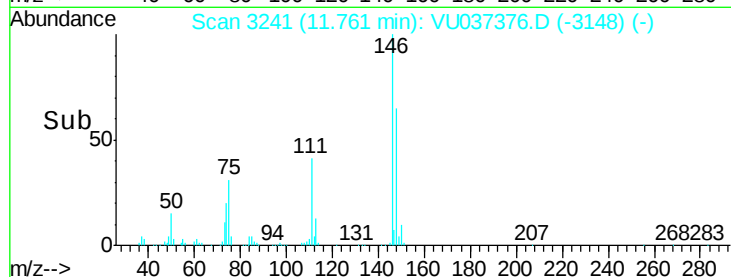
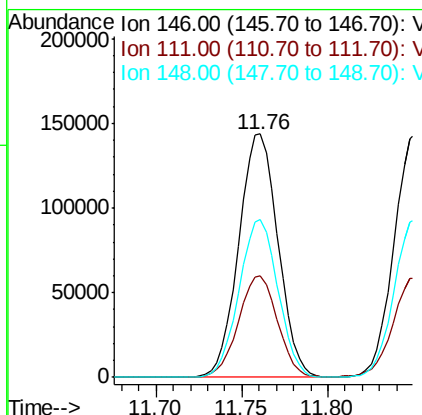
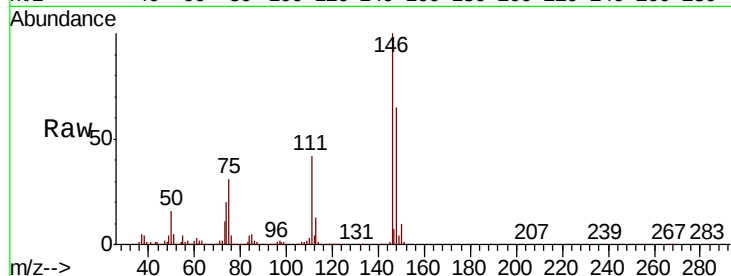




#62
 1,3-Dichlorobenzene
 Concen: 47.360 ug/L
 RT: 11.76 min Scan# 3241
 Delta R.T. 0.00 min
 Lab File: VU037376.D
 Acq: 27 Mar 2020 17:12

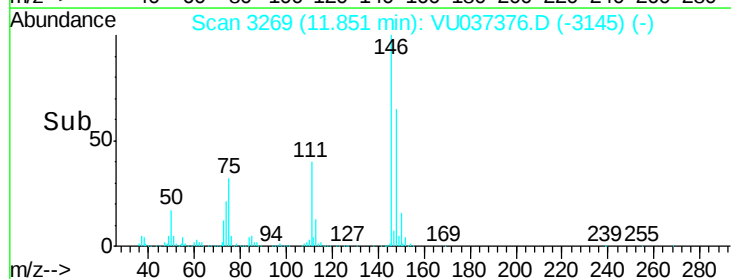
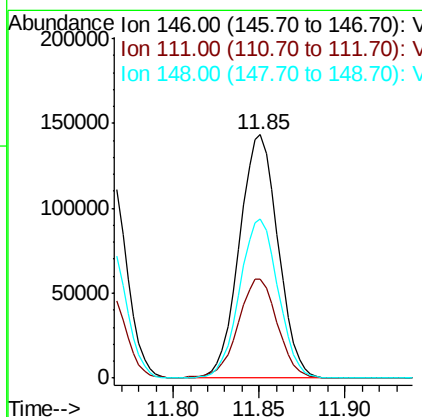
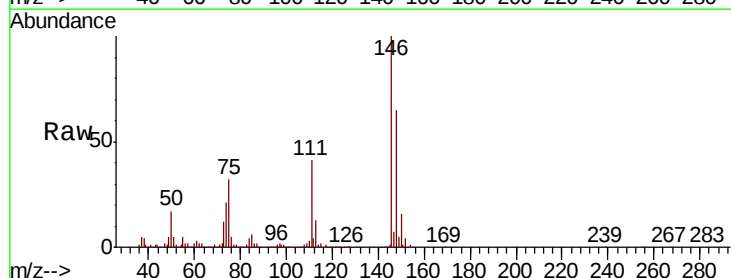
Instrument :
 MSVOA_U
 ClientSampleId :

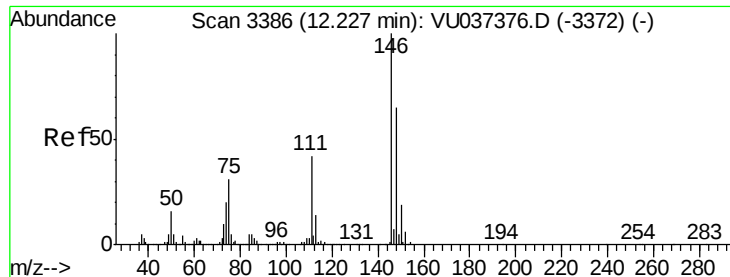
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	29.1	54.1
148	64.6	45.2	84.0



#63
 1,4-Dichlorobenzene
 Concen: 46.117 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. 0.00 min
 Lab File: VU037376.D
 Acq: 27 Mar 2020 17:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	28.4	52.8
148	65.2	45.6	84.8

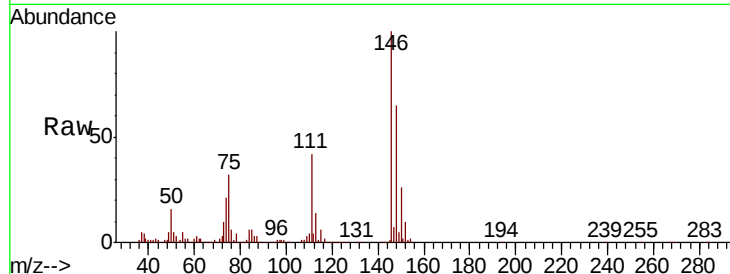




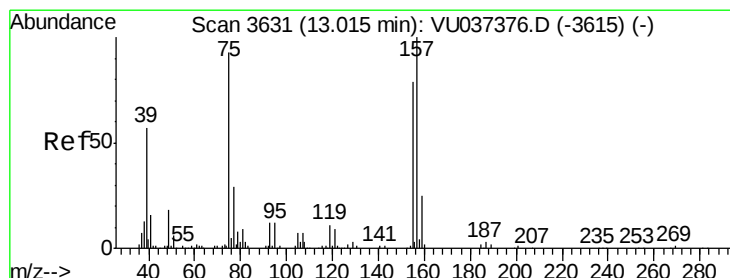
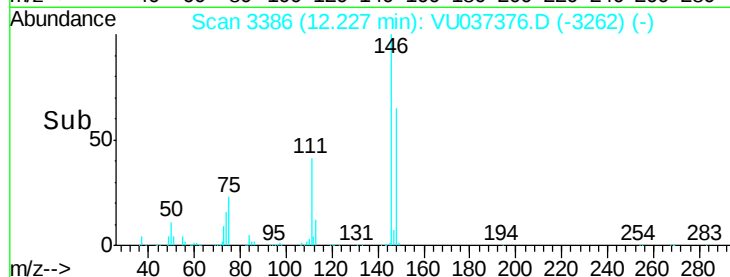
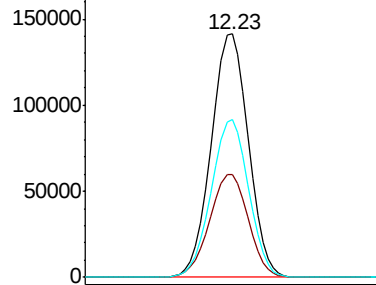
#65
 1,2-Dichlorobenzene
 Concen: 45.350 ug/L
 RT: 12.23 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU037376.D
 Acq: 27 Mar 2020 17:12

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	33.6	50.4
148	64.9	51.9	77.9

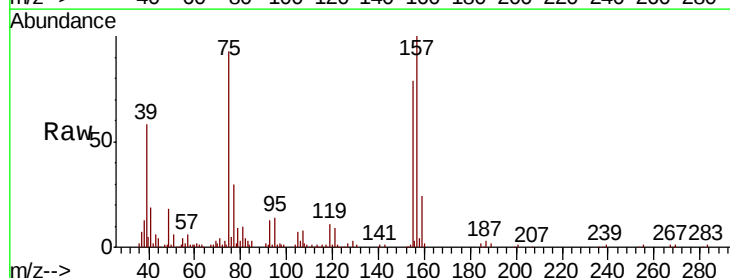


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

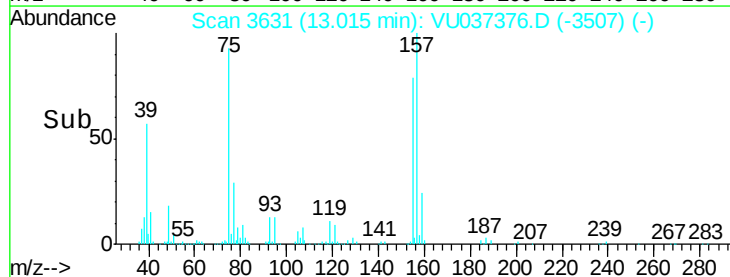
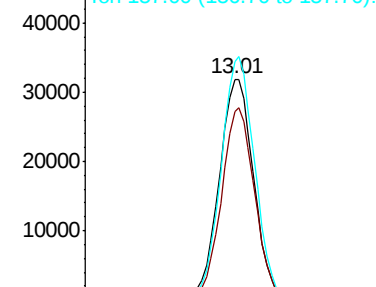


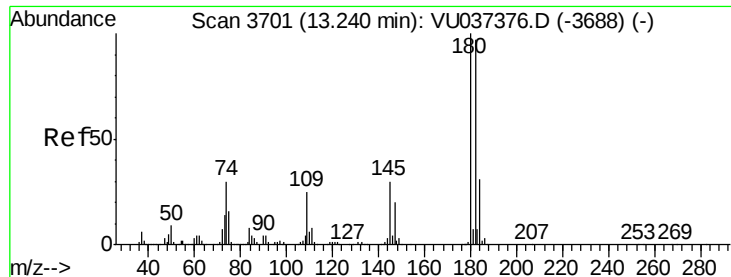
#66
 1,2-Dibromo-3-chloropropane
 Concen: 48.601 ug/L
 RT: 13.01 min Scan# 3631
 Delta R.T. 0.00 min
 Lab File: VU037376.D
 Acq: 27 Mar 2020 17:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.6	68.5	102.7
157	108.1	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

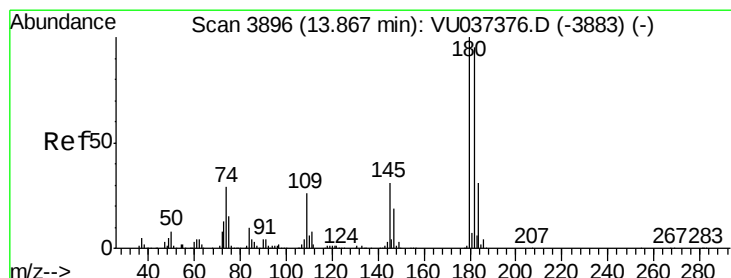
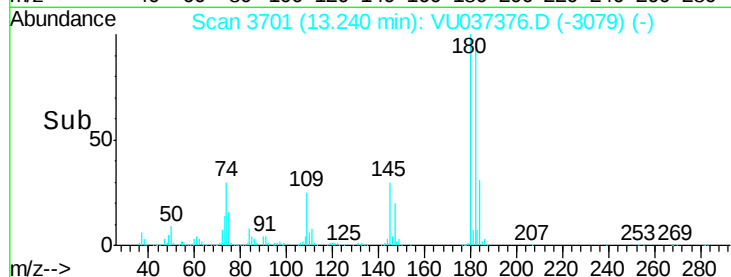
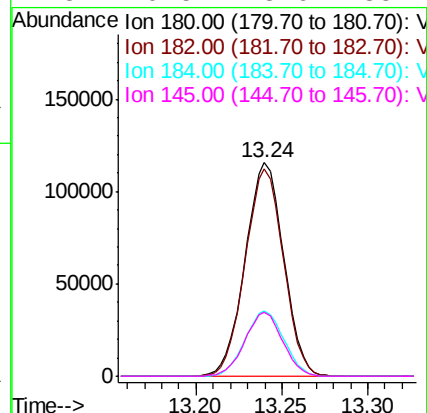
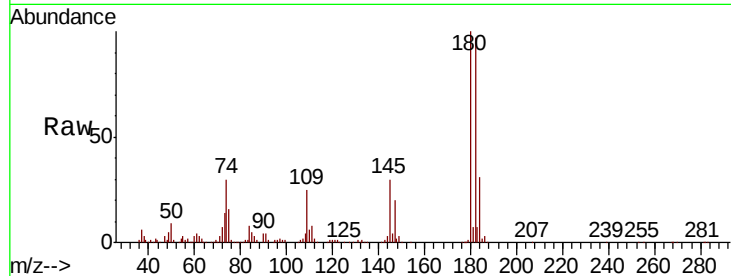




#67
 1,3,5-Trichlorobenzene
 Concen: 51.153 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU037376.D
 Acq: 27 Mar 2020 17:12

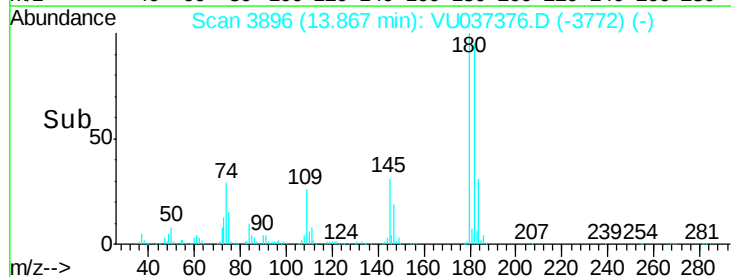
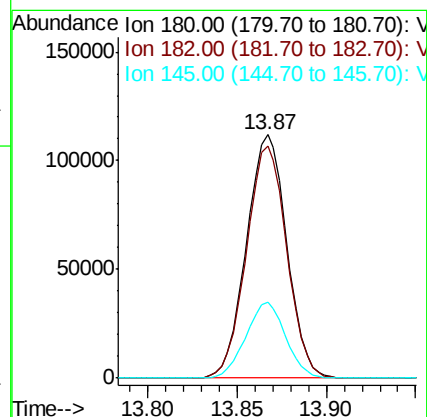
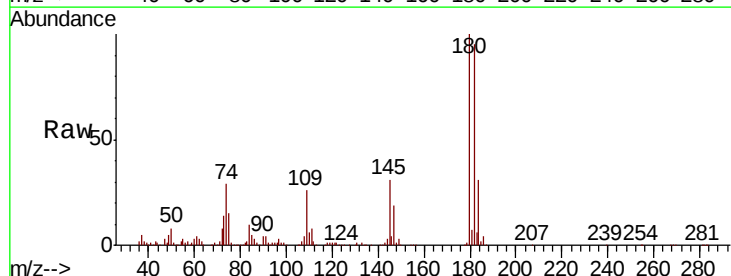
Instrument :
 MSVOA_U
 ClientSampleId :

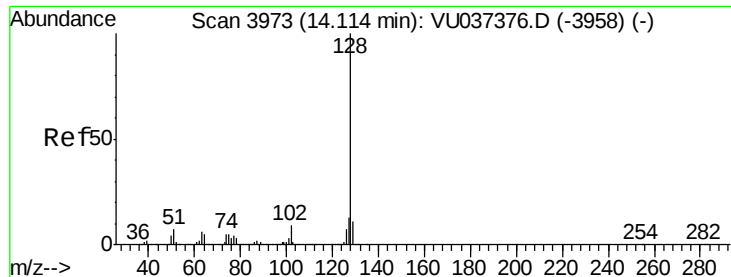
Tot Ion	180	Resp	179308
Ion Ratio	100	Lower	Upper
182	96.6	77.3	115.9
184	30.8	24.6	37.0
145	29.5	23.6	35.4



#68
 1,2,4-trichlorobenzene
 Concen: 64.445 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. 0.00 min
 Lab File: VU037376.D
 Acq: 27 Mar 2020 17:12

Tgt Ion	180	Resp	176396
Ion Ratio	100	Lower	Upper
182	95.5	76.4	114.6
145	30.7	24.6	36.8





#69

Naphthalene

Concen: 142.459 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. 0.00 min

Lab File: VU037376.D

Acq: 27 Mar 2020 17:12

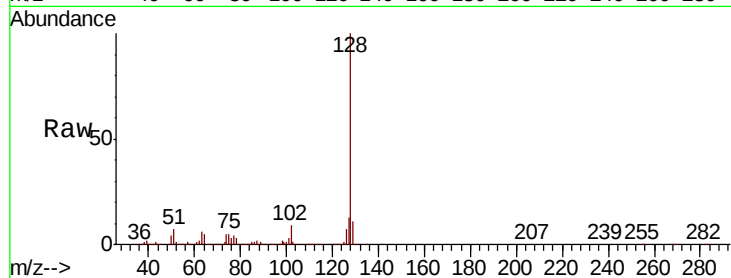
Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:128 Resp: 591360

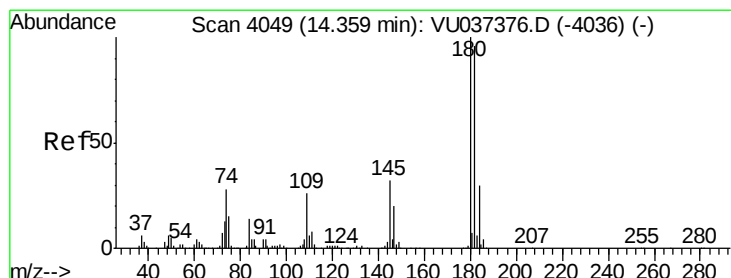
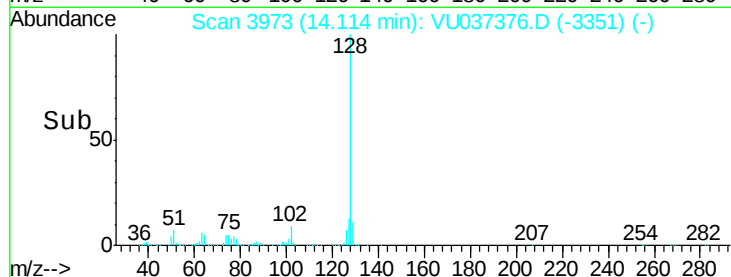
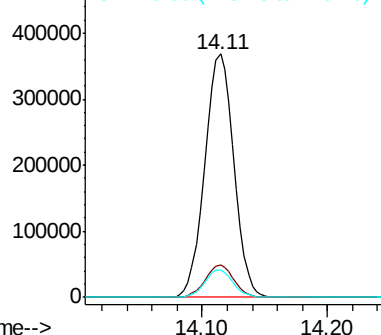
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.0	8.8	13.2



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: 61.752 ug/L

RT: 14.36 min Scan# 4049

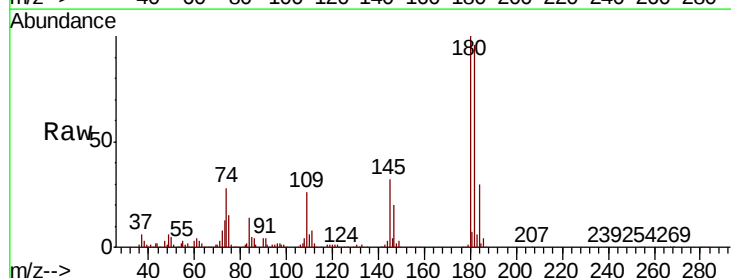
Delta R.T. 0.00 min

Lab File: VU037376.D

Acq: 27 Mar 2020 17:12

Tgt Ion:180 Resp: 177377

Ion	Ratio	Lower	Upper
180	100		
182	96.3	77.0	115.6
145	32.0	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

