

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032720\
 Data File : VU037374.D
 Acq On : 27 Mar 2020 16:26
 Operator : JC/MD
 Sample : VSTD00535
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 28 00:49:07 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	285854	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	269209	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	130479	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	9925	4.49	ug/L	0.00
7) Chloroethane-d5	1.93	69	9219	5.17	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	21143	5.21	ug/L	0.00
21) 2-Butanone-d5	4.67	46	18189	10.39	ug/L	0.00
24) Chloroform-d	5.11	84	20052	4.71	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	13868	4.45	ug/L	0.00
32) Benzene-d6	5.76	84	39944	5.39	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	13111	5.40	ug/L	0.00
41) Toluene-d8	7.92	98	38061	5.37	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	7939	6.01	ug/L	0.00
47) 2-Hexanone-d5	8.66	63	15534	12.37	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	18865	5.02	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	15158	5.60	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.40	85	14325	4.904	ug/L 98
3) Chloromethane	1.54	50	12829	5.370	ug/L 97
5) Vinyl chloride	1.62	62	12662	4.836	ug/L 96
6) Bromomethane	1.87	94	5653	5.625	ug/L 94
8) Chloroethane	1.95	64	6794	4.429	ug/L 96
9) Trichlorofluoromethane	2.16	101	16552	4.141	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	10667	5.714	ug/L 95
12) 1,1-Dichloroethene	2.60	96	10909	6.467	ug/L 95
13) Acetone	2.66	43	14810	8.916	ug/L 94
14) Carbon disulfide	2.82	76	35563	7.436	ug/L 96
15) Methyl Acetate	2.98	43	14876	5.694	ug/L 99
16) Methylene chloride	3.08	84	12553	5.962	ug/L 86
17) trans-1,2-Dichloroethene	3.39	96	11027	6.239	ug/L 89
18) Methyl tert-butyl Ether	3.40	73	38276	5.608	ug/L 96
19) 1,1-Dichloroethane	3.91	63	21239	5.370	ug/L # 95
20) cis-1,2-Dichloroethene	4.71	96	12795	5.985	ug/L # 84
22) 2-Butanone	4.75	43	20601	9.806	ug/L 97
23) Bromochloromethane	5.01	128	6577	6.101	ug/L 98
25) Chloroform	5.13	83	21744	5.084	ug/L 94
27) 1,2-Dichloroethane	5.83	62	16965	4.452	ug/L # 84
29) Cyclohexane	5.42	56	19074	5.993	ug/L 97
30) 1,1,1-Trichloroethane	5.36	97	19558	5.473	ug/L 98
31) Carbon tetrachloride	5.56	117	16848	5.336	ug/L 98
33) Benzene	5.81	78	46438	5.852	ug/L 100
34) Trichloroethene	6.57	95	12626	6.123	ug/L 94
35) Methylcyclohexane	6.79	83	20114	6.443	ug/L 95
37) 1,2-Dichloropropane	6.82	63	12670	5.617	ug/L # 86
38) Bromodichloromethane	7.13	83	18151	5.756	ug/L 95
39) cis-1,3-Dichloropropene	7.63	75	20887	5.972	ug/L 91
40) 4-Methyl-2-pentanone	7.82	43	39971	10.886	ug/L # 100

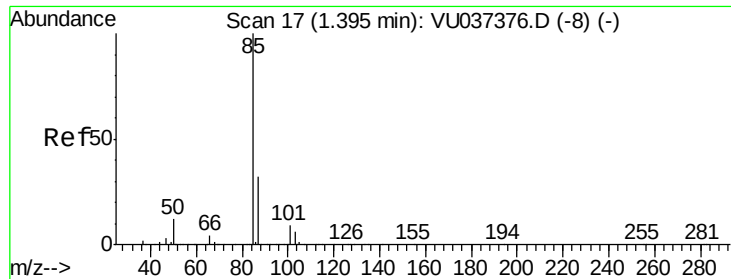
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032720\
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.99	91	50128	5.785	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	21335	6.461	ug/L	92
45) 1,1,2-Trichloroethane	8.43	97	11574	5.636	ug/L	95
46) Tetrachloroethene	8.57	164	9337	6.095	ug/L	97
48) 2-Hexanone	8.71	43	31897	11.024	ug/L	99
49) Dibromochloromethane	8.83	129	14503	6.003	ug/L	100
50) 1,2-Dibromoethane	8.95	107	13768	6.212	ug/L	100
51) Chlorobenzene	9.47	112	31367	5.756	ug/L	97
52) Ethylbenzene	9.59	91	55817	5.563	ug/L	98
53) m,p-Xylene	9.71	106	22116	6.232	ug/L	96
54) o-xylene	10.12	106	20797	5.932	ug/L	96
55) Styrene	10.13	104	36647	6.163	ug/L	98
56) Isopropylbenzene	10.50	105	54492	5.592	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	21534	5.744	ug/L	97
59) 1,2,3-Trichloropropane	10.84	75	16918	5.396	ug/L	96
61) Bromoform	10.31	173	10894	5.978	ug/L #	92
62) 1,3-Dichlorobenzene	11.76	146	25395	6.141	ug/L	97
63) 1,4-Dichlorobenzene	11.85	146	25705	6.150	ug/L	98
65) 1,2-Dichlorobenzene	12.23	146	25847	6.119	ug/L	96
66) 1,2-Dibromo-3-chloropropan	13.02	75	6201	6.659	ug/L	97
67) 1,3,5-Trichlorobenzene	13.24	180	19554	6.488	ug/L	98
68) 1,2,4-trichlorobenzene	13.87	180	18988	8.068	ug/L	99
69) Naphthalene	14.11	128	66972	18.764	ug/L	98
70) 1,2,3-Trichlorobenzene	14.36	180	19222	7.783	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 4.904 ug/L

RT: 1.40 min Scan# 18

Delta R.T. 0.00 min

Lab File: VU037374.D

Acq: 27 Mar 2020 16:26

Instrument :

MSVOA_U

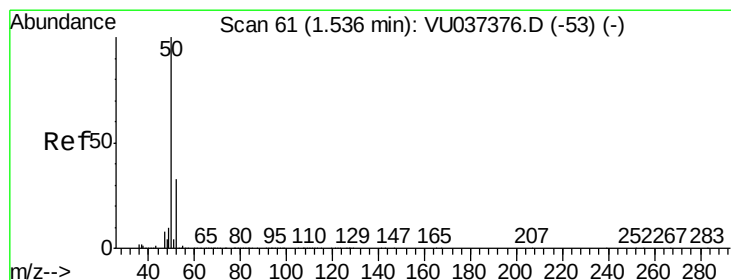
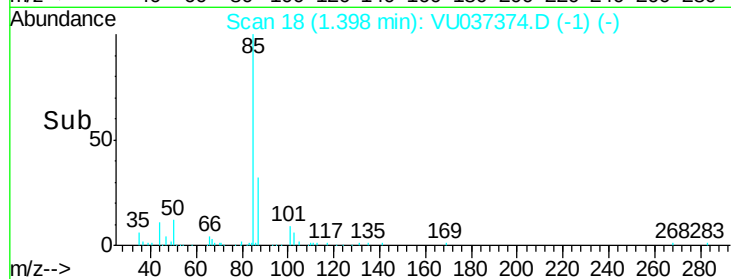
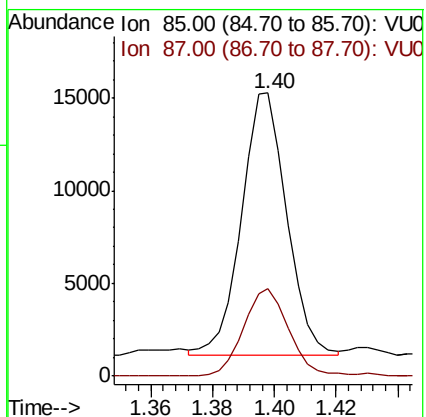
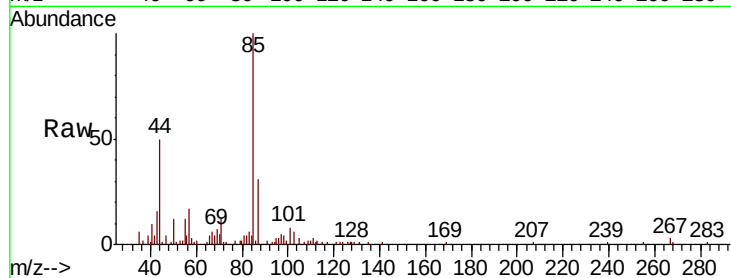
ClientSampleId :

Tot Ion: 85 Resp: 14325

Ion Ratio Lower Upper

85 100

87 33.7 26.1 39.1



#3

Chloromethane

Concen: 5.370 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU037374.D

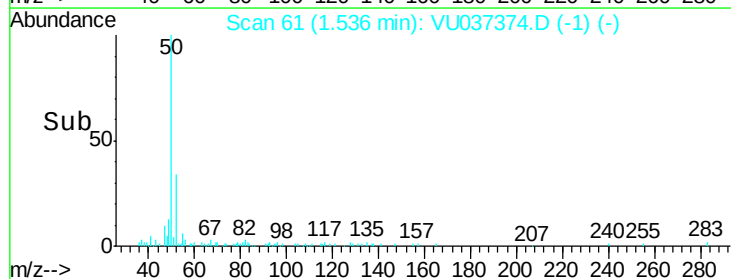
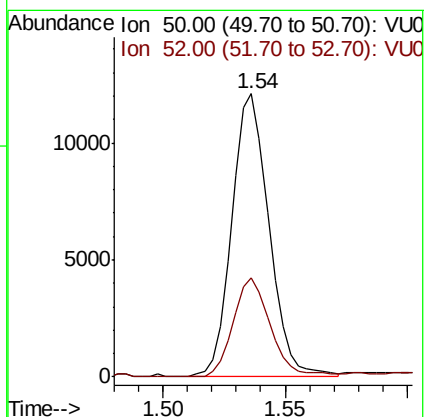
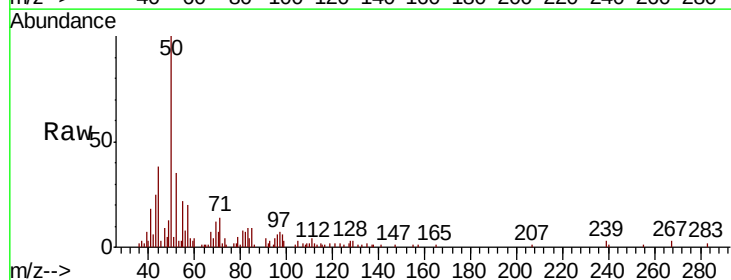
Acq: 27 Mar 2020 16:26

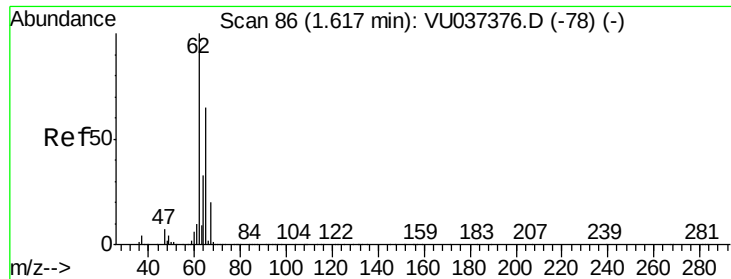
Tgt Ion: 50 Resp: 12829

Ion Ratio Lower Upper

50 100

52 34.9 23.2 43.2





#5

Vinyl chloride

Concen: 4.836 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU037374.D

Acq: 27 Mar 2020 16:26

Instrument :

MSVOA_U

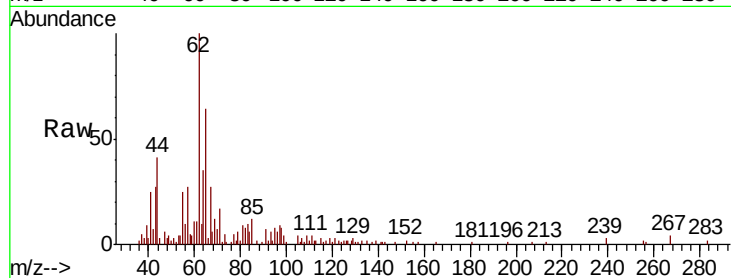
ClientSampleId :

Tot Ion: 62 Resp: 12662

Ion Ratio Lower Upper

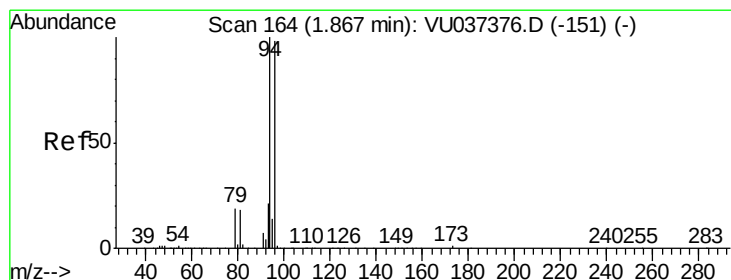
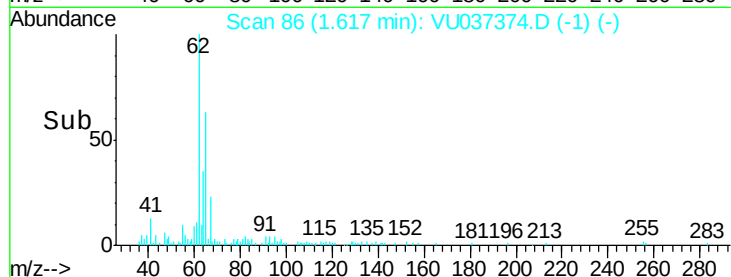
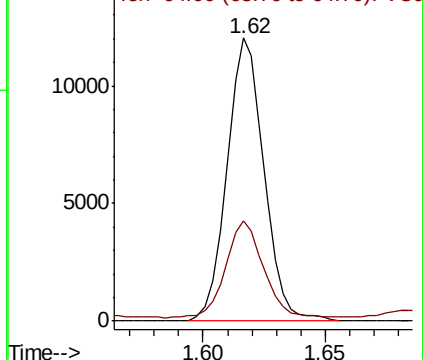
62 100

64 35.4 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 5.625 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.01 min

Lab File: VU037374.D

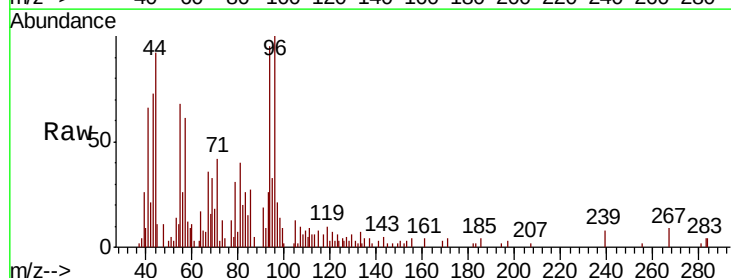
Acq: 27 Mar 2020 16:26

Tgt Ion: 94 Resp: 5653

Ion Ratio Lower Upper

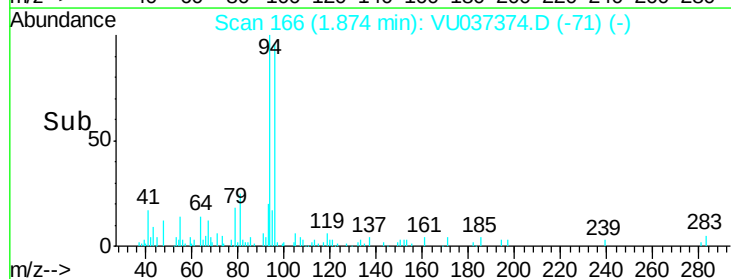
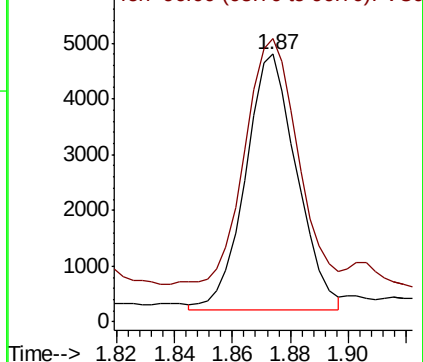
94 100

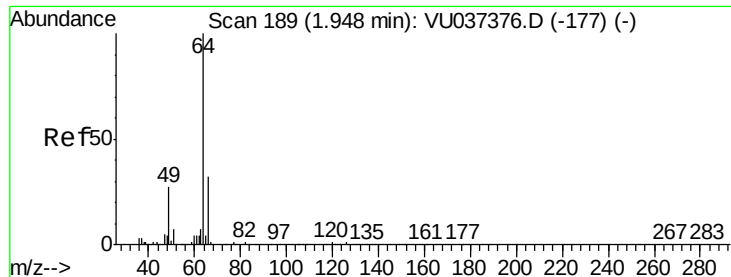
96 105.7 69.9 129.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

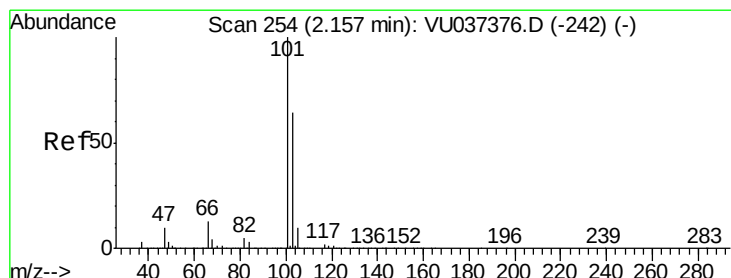
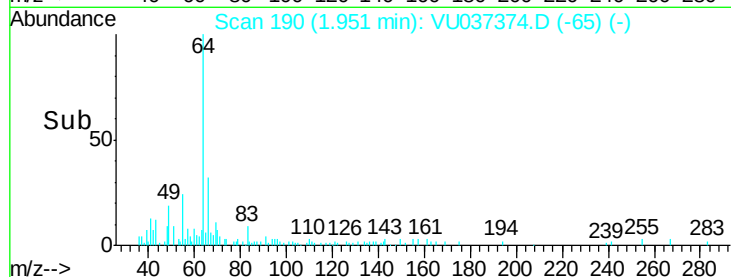
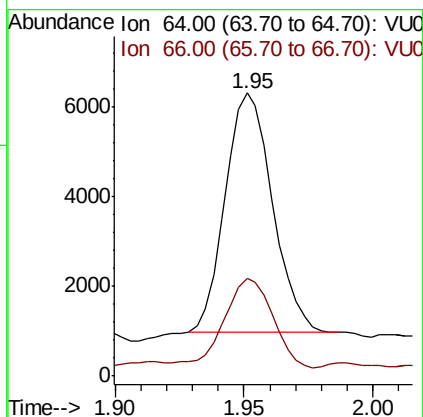
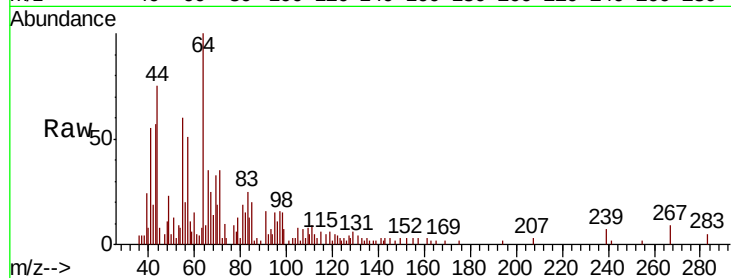




#8
Chloroethane
Concen: 4.429 ug/L
RT: 1.95 min Scan# 190
Delta R.T. 0.00 min
Lab File: VU037374.D
Acq: 27 Mar 2020 16:26

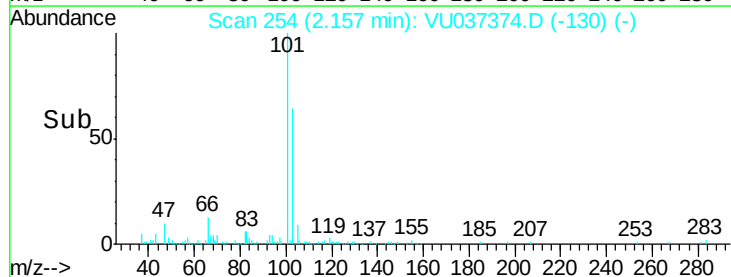
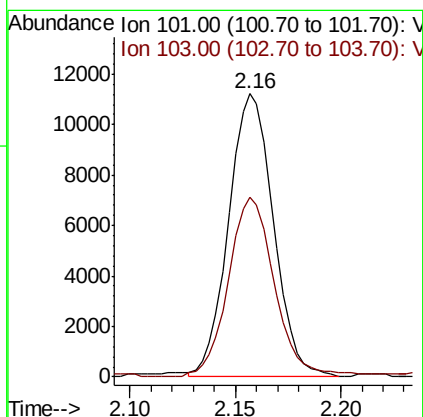
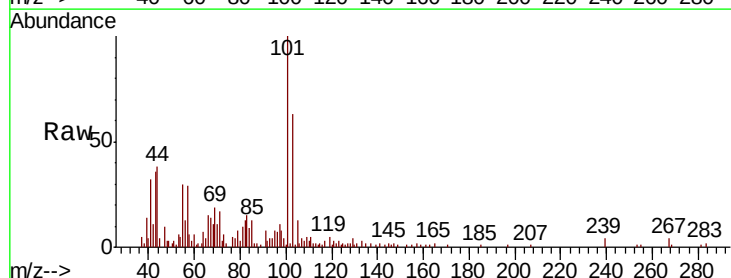
Instrument :
MSVOA_U
ClientSampleId :

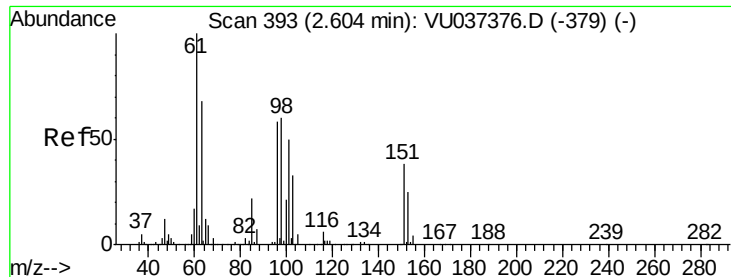
Tot Ion: 64 Resp: 6794
Ion Ratio Lower Upper
64 100
66 34.7 22.8 42.4



#9
Trichlorofluoromethane
Concen: 4.141 ug/L
RT: 2.16 min Scan# 254
Delta R.T. 0.00 min
Lab File: VU037374.D
Acq: 27 Mar 2020 16:26

Tgt Ion: 101 Resp: 16552
Ion Ratio Lower Upper
101 100
103 65.0 51.8 77.8





#10

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

Concen: 5.714 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037374.D

Acq: 27 Mar 2020 16:26

Instrument :

MSVOA_U

ClientSampleId :

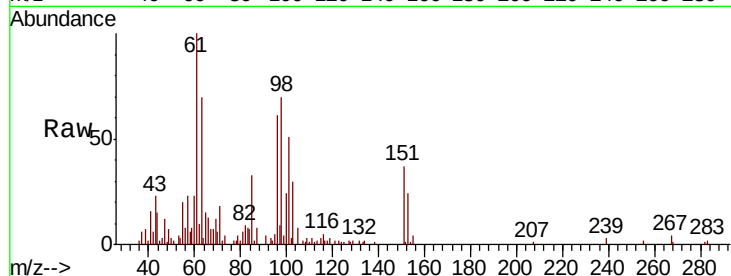
Tot Ion:101 Resp: 10667

Ion Ratio Lower Upper

101 100

85 50.5 35.6 53.4

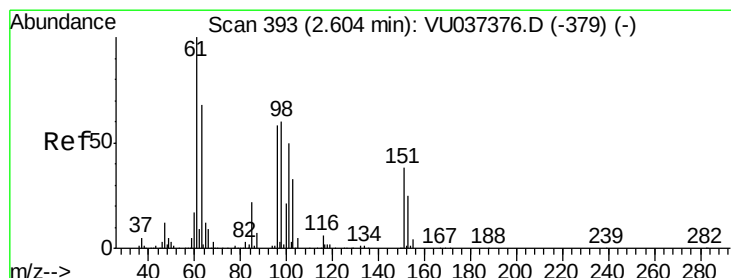
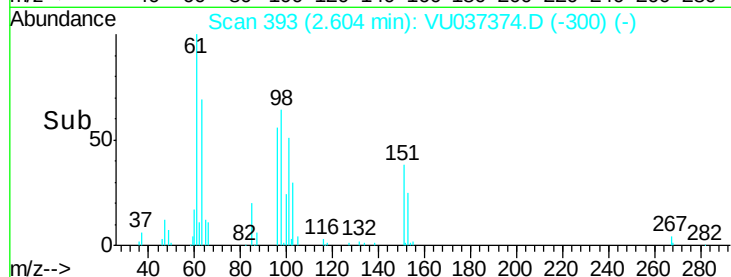
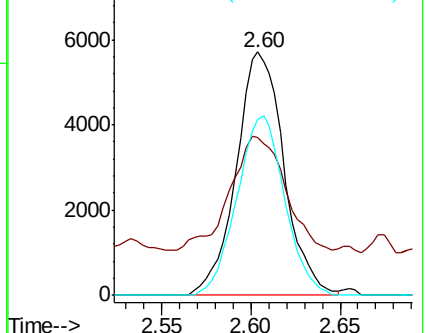
151 73.7 60.2 90.4



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: 6.467 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037374.D

Acq: 27 Mar 2020 16:26

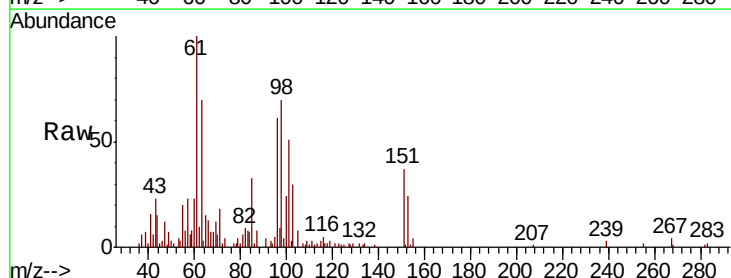
Tgt Ion: 96 Resp: 10909

Ion Ratio Lower Upper

96 100

61 162.9 120.0 222.8

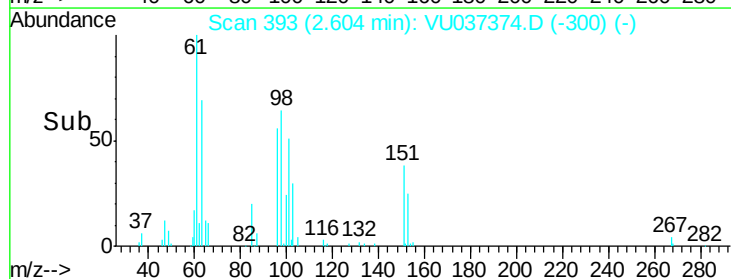
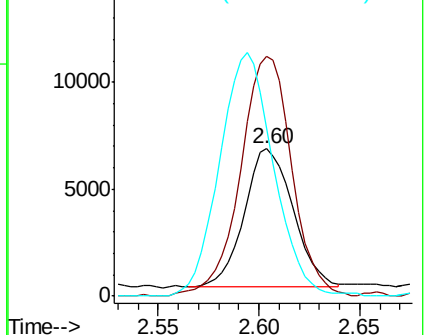
63 114.5 83.3 154.7

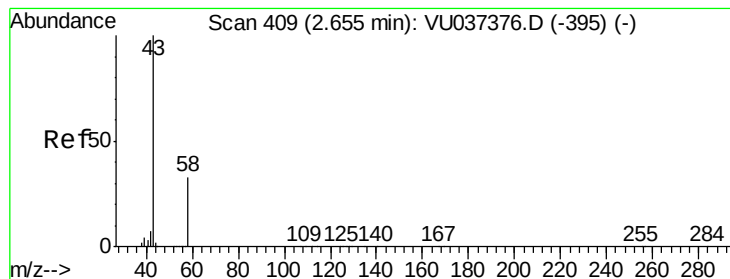


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 8.916 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU037374.D

Acq: 27 Mar 2020 16:26

Instrument :

MSVOA_U

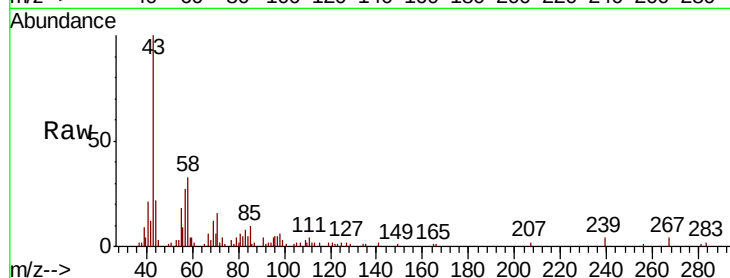
ClientSampleId :

Tot Ion: 43 Resp: 14810

Ion Ratio Lower Upper

43 100

58 34.5 0.0 62.8



Abundance Ion 43.00 (42.70 to 43.70): VU037374.D (-395) (-)

Ion 58.00 (57.70 to 58.70): VU037374.D (-395) (-)

2.66

12000

10000

8000

6000

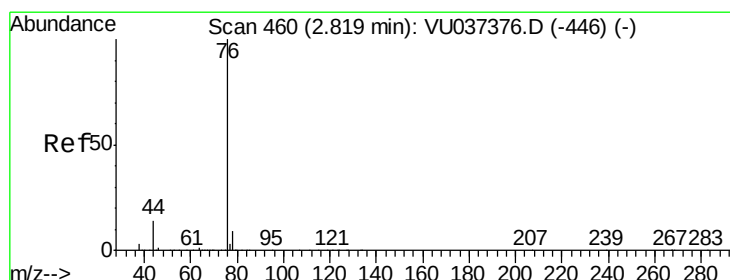
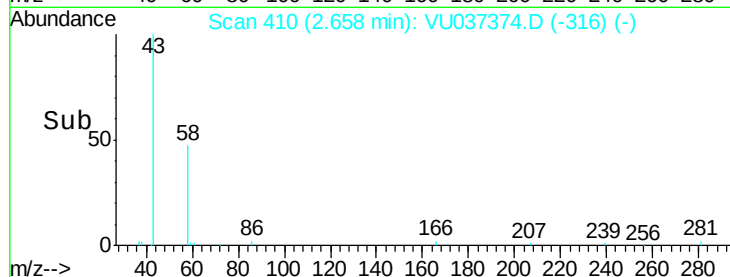
4000

2000

0

Time-->

2.60 2.65 2.70 2.75



#14

Carbon disulfide

Concen: 7.436 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU037374.D

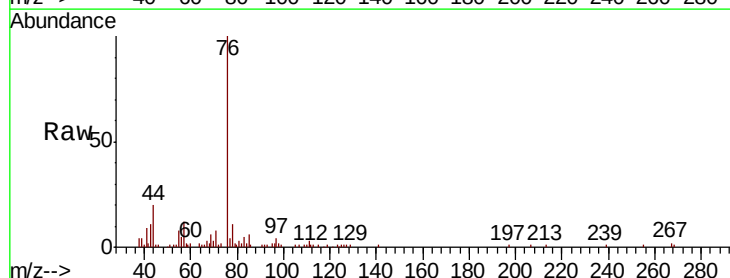
Acq: 27 Mar 2020 16:26

Tgt Ion: 76 Resp: 35563

Ion Ratio Lower Upper

76 100

78 10.7 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU037374.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VU037374.D (-367) (-)

2.82

25000

20000

15000

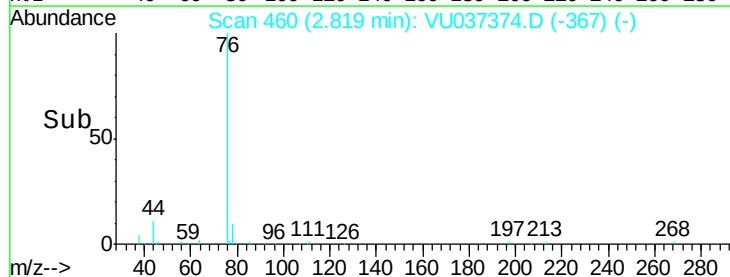
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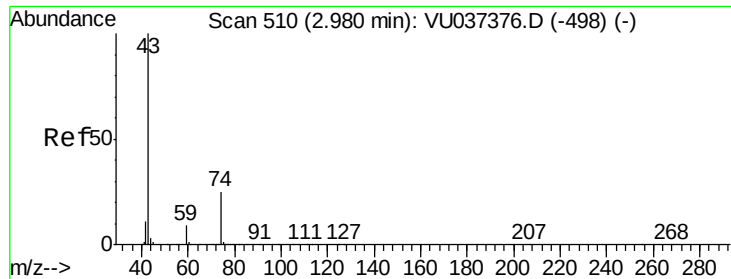
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0

Time-->

2.75 2.80 2.85

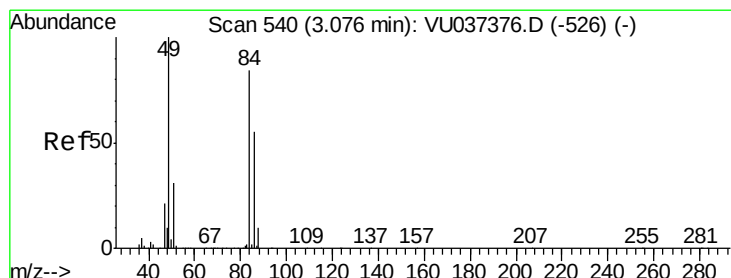
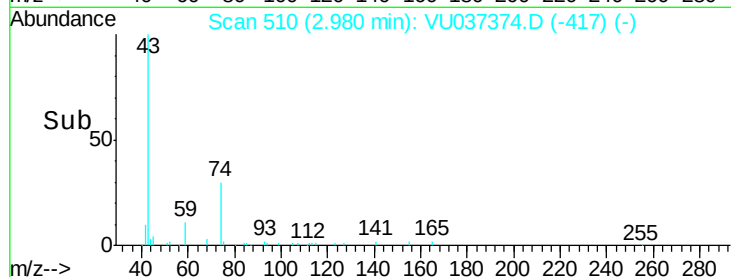
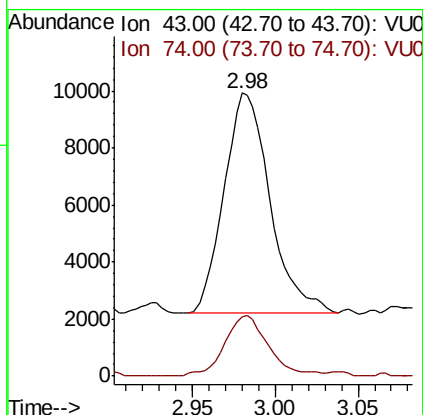
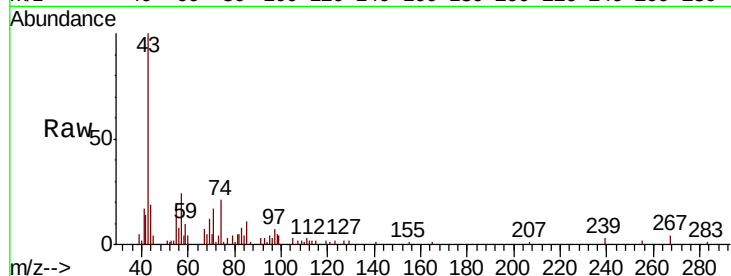




#15
Methyl Acetate
Concen: 5.694 ug/L
RT: 2.98 min Scan# 510
Delta R.T. 0.00 min
Lab File: VU037374.D
Acq: 27 Mar 2020 16:26

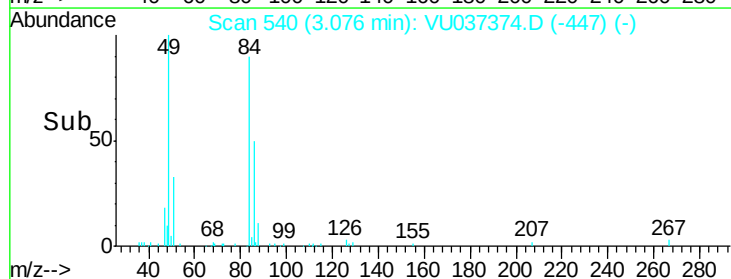
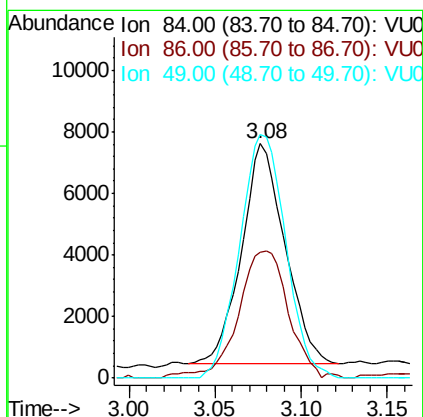
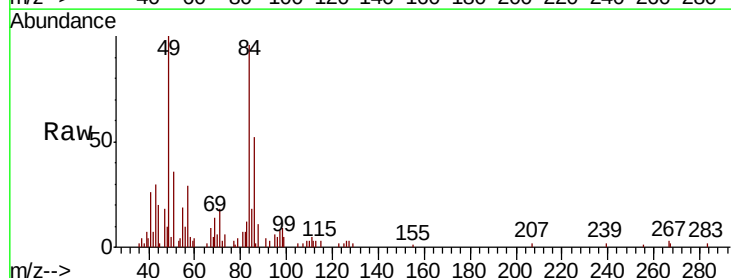
Instrument :
MSVOA_U
ClientSampled :

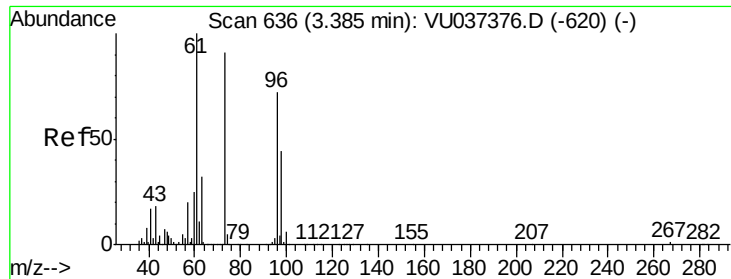
Tot Ion: 43 Resp: 14876
Ion Ratio Lower Upper
43 100
74 25.6 20.1 30.1



#16
Methylene chloride
Concen: 5.962 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU037374.D
Acq: 27 Mar 2020 16:26

Tgt Ion: 84 Resp: 12553
Ion Ratio Lower Upper
84 100
86 53.9 45.9 85.3
49 103.8 82.7 153.5





#17

trans-1,2-Dichloroethene

Concen: 6.239 ug/L

RT: 3.39 min Scan# 637

Delta R.T. 0.00 min

Lab File: VU037374.D

Acq: 27 Mar 2020 16:26

Instrument :

MSVOA_U

ClientSampleId :

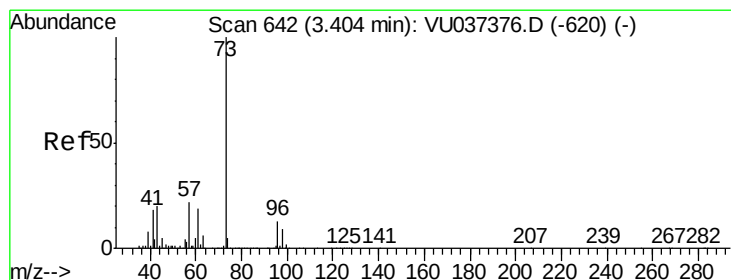
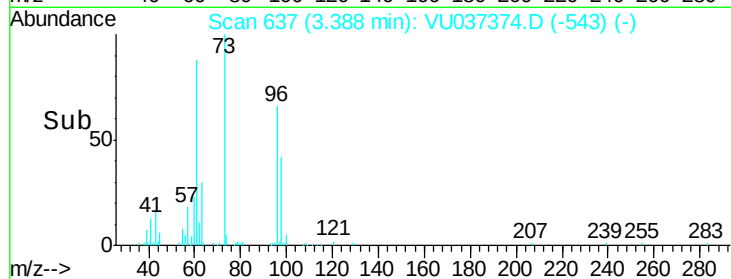
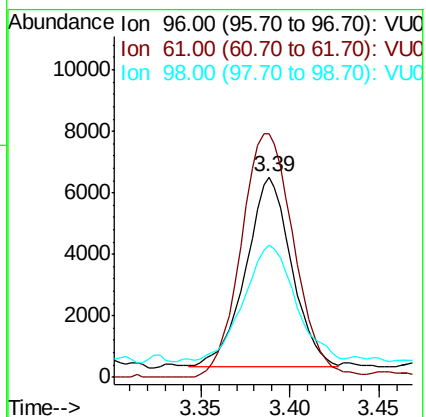
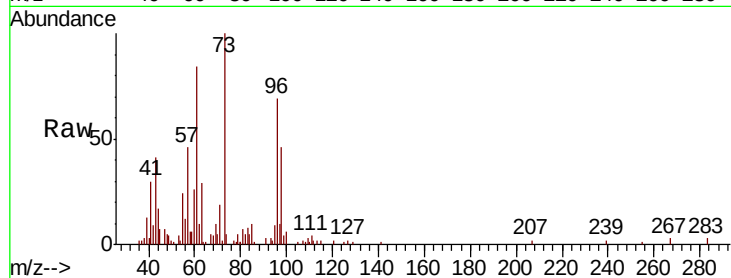
Tot Ion: 96 Resp: 11027

Ion Ratio Lower Upper

96 100

61 121.6 96.6 179.4

98 65.7 43.4 80.6



#18

Methyl tert-butyl Ether

Concen: 5.608 ug/L

RT: 3.40 min Scan# 641

Delta R.T. -0.00 min

Lab File: VU037374.D

Acq: 27 Mar 2020 16:26

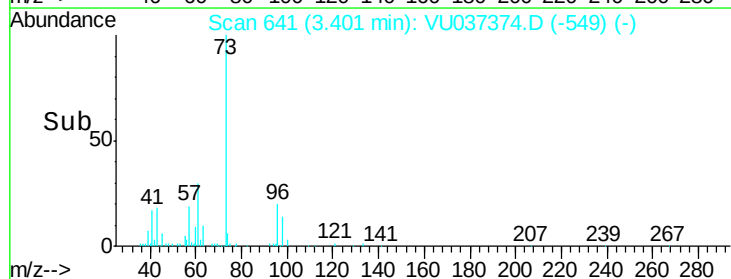
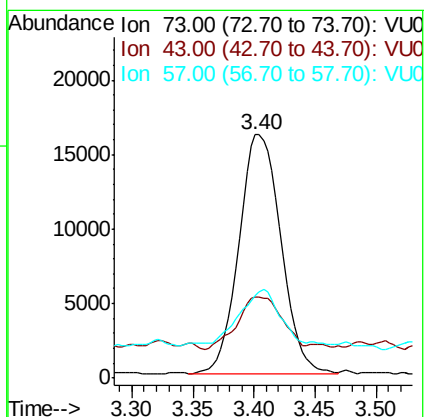
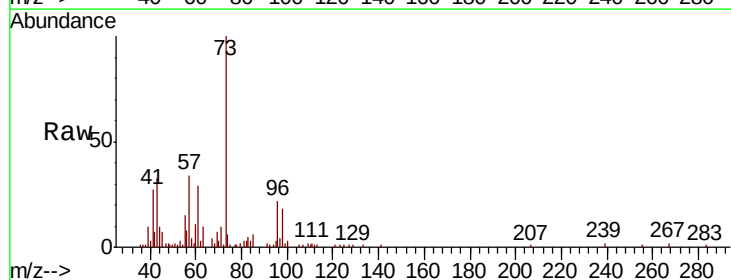
Tgt Ion: 73 Resp: 38276

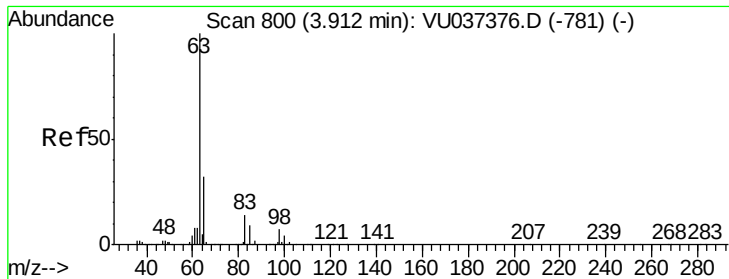
Ion Ratio Lower Upper

73 100

43 23.5 16.2 24.4

57 20.6 17.3 25.9

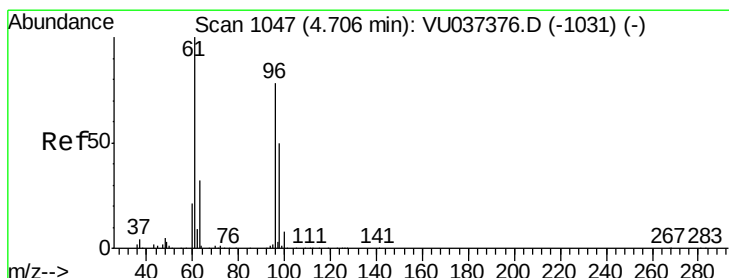
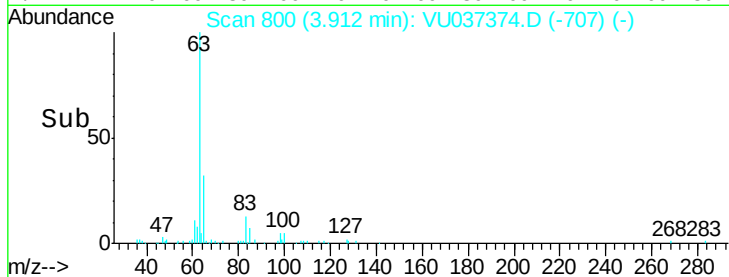
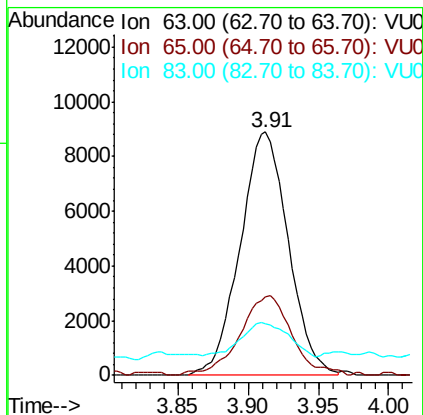
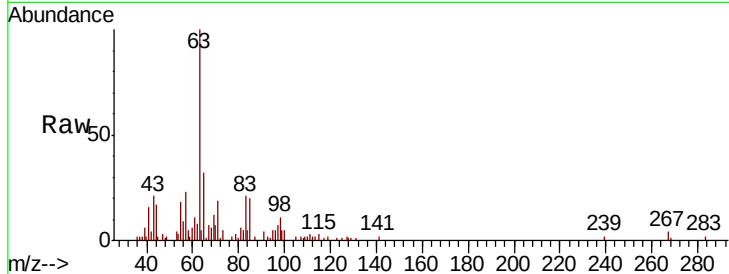




#19
 1,1-Dichloroethane
 Concen: 5.370 ug/L
 RT: 3.91 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: VU037374.D
 Acq: 27 Mar 2020 16:26

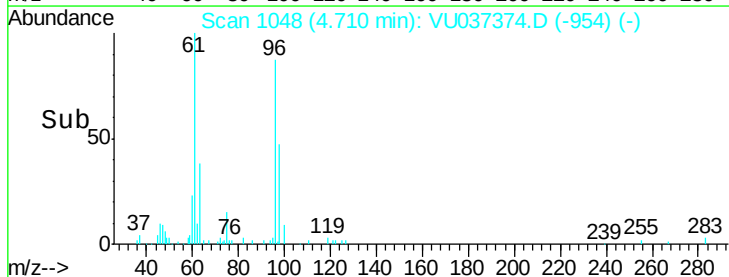
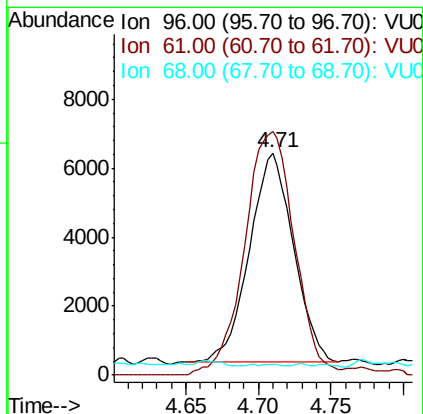
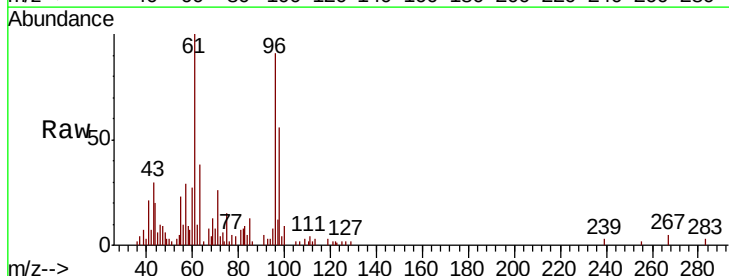
Instrument :
 MSVOA_U
 ClientSampleId :

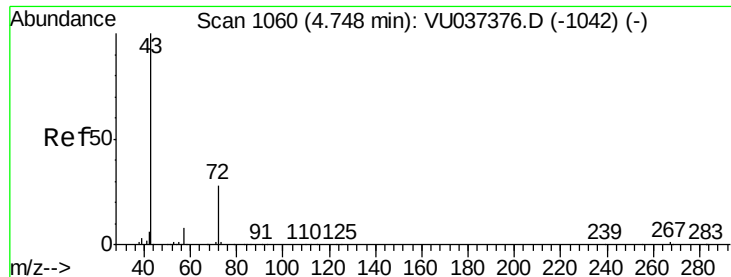
Tot Ion	Ratio	Lower	Upper
63	100		
65	32.2	22.4	41.6
83	21.4	10.6	19.6



#20
 cis-1,2-Dichloroethene
 Concen: 5.985 ug/L
 RT: 4.71 min Scan# 1048
 Delta R.T. 0.00 min
 Lab File: VU037374.D
 Acq: 27 Mar 2020 16:26

Tgt Ion	Ratio	Lower	Upper
96	100		
61	109.6	89.4	166.0
68	4.8	0.3	0.7





#22

2-Butanone

Concen: 9.806 ug/L

RT: 4.75 min Scan# 1060

Delta R.T. 0.00 min

Lab File: VU037374.D

Acq: 27 Mar 2020 16:26

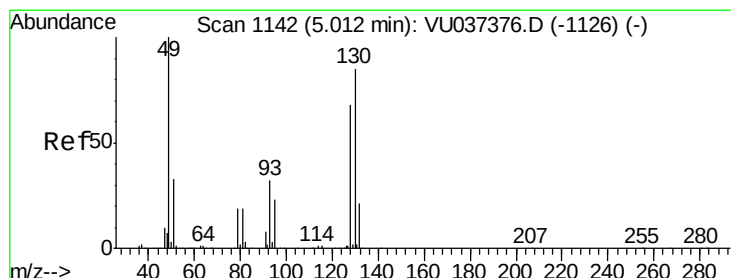
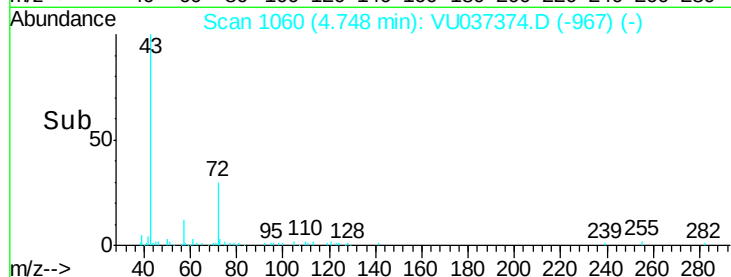
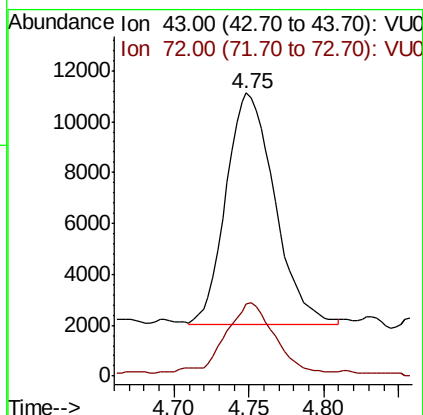
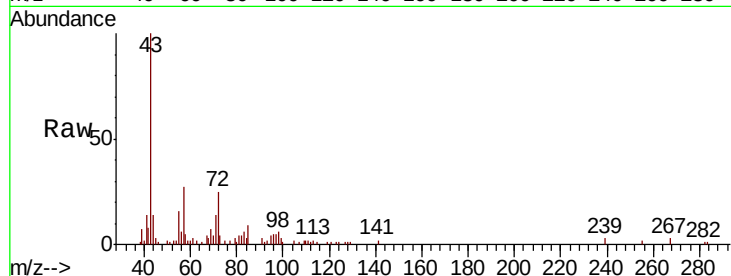
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 20601

Ion Ratio Lower Upper

43 100

72 29.6 14.1 42.2



#23

Bromochloromethane

Concen: 6.101 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU037374.D

Acq: 27 Mar 2020 16:26

Tgt Ion: 128 Resp: 6577

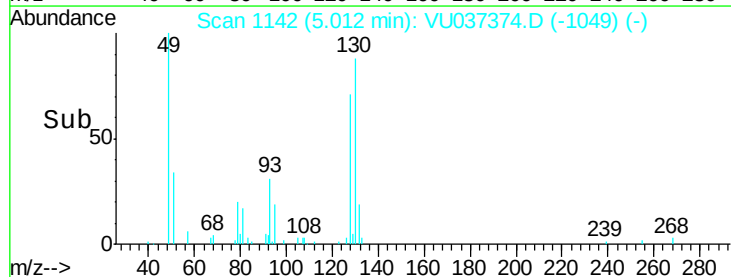
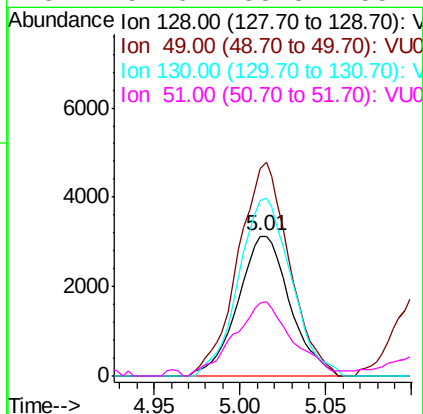
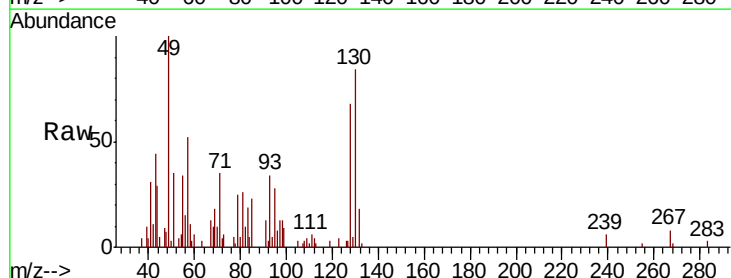
Ion Ratio Lower Upper

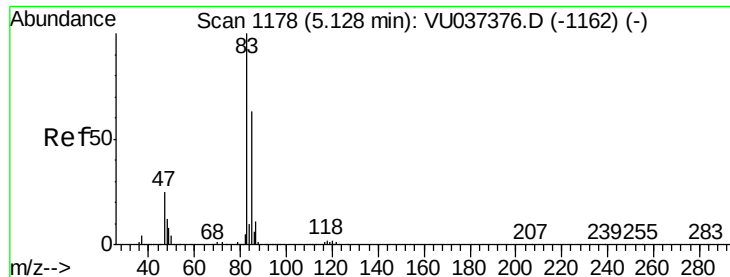
128 100

49 148.1 102.6 190.6

130 124.8 86.7 161.1

51 52.6 38.8 58.2

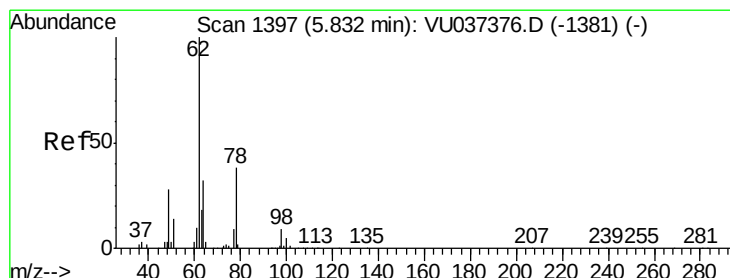
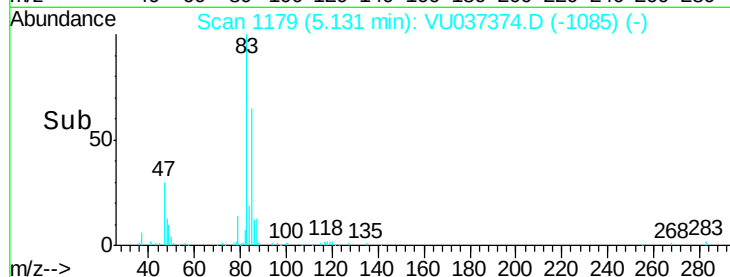
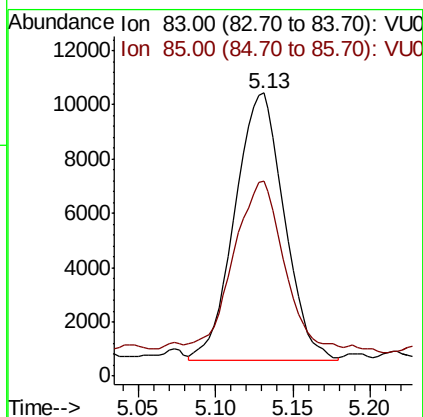
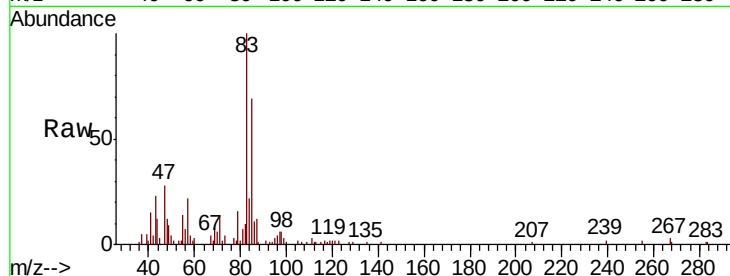




#25
Chloroform
Concen: 5.084 ug/L
RT: 5.13 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU037374.D
Acq: 27 Mar 2020 16:26

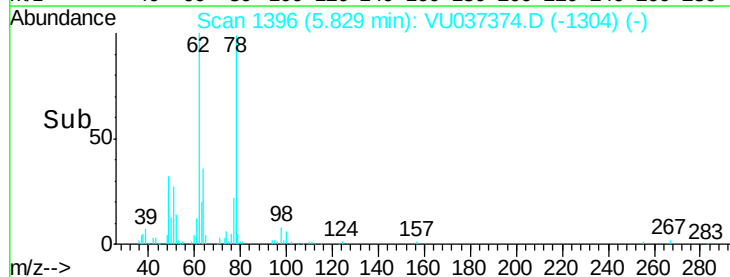
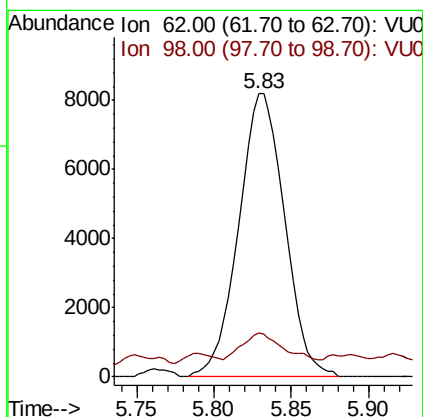
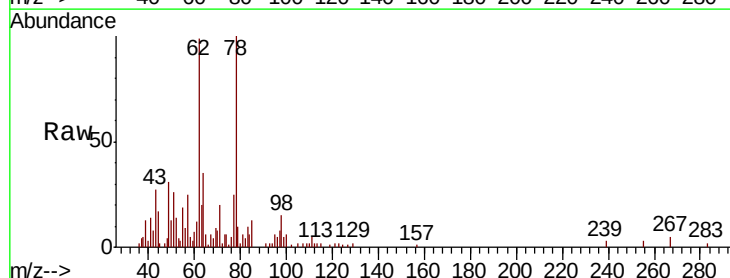
Instrument :
MSVOA_U
ClientSampleId :

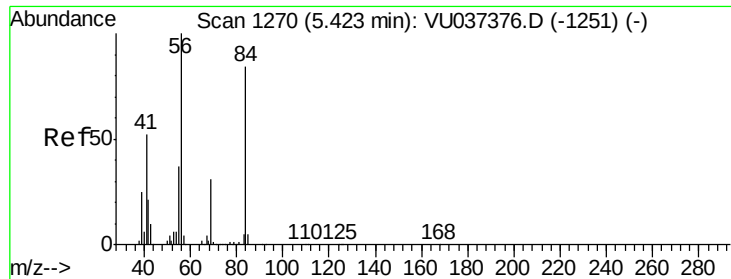
Tot Ion: 83 Resp: 21744
Ion Ratio Lower Upper
83 100
85 68.7 45.1 83.7



#27
1,2-Dichloroethane
Concen: 4.452 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU037374.D
Acq: 27 Mar 2020 16:26

Tgt Ion: 62 Resp: 16965
Ion Ratio Lower Upper
62 100
98 15.4 7.7 11.5#

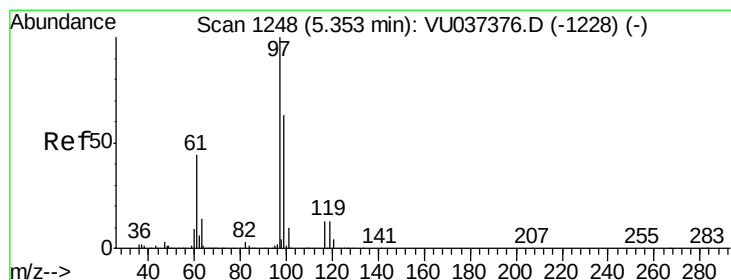
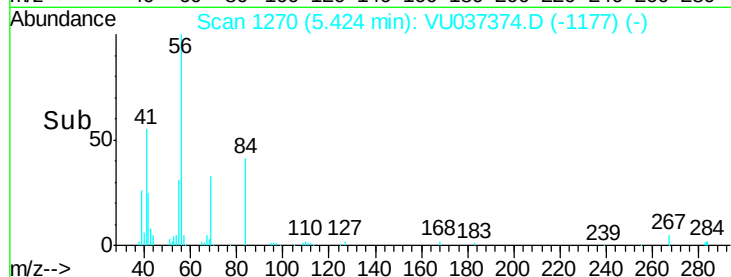
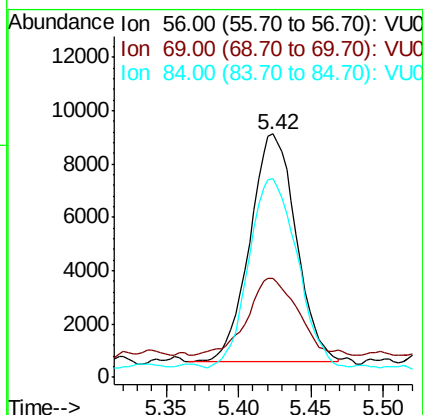
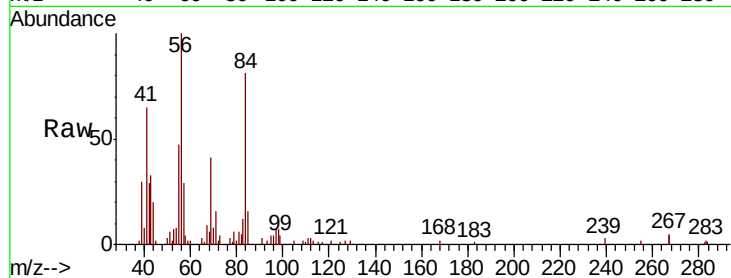




#29
Cyclohexane
Concen: 5.993 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VU037374.D
Acq: 27 Mar 2020 16:26

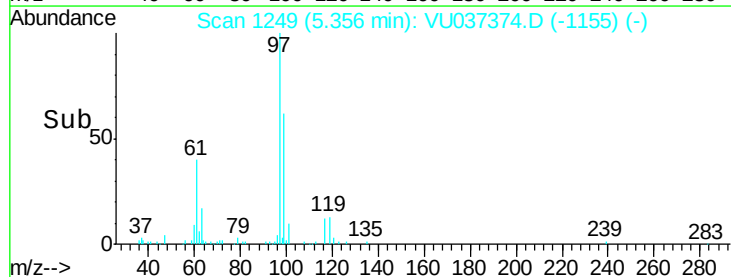
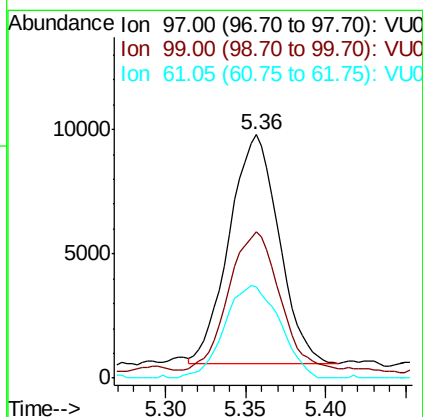
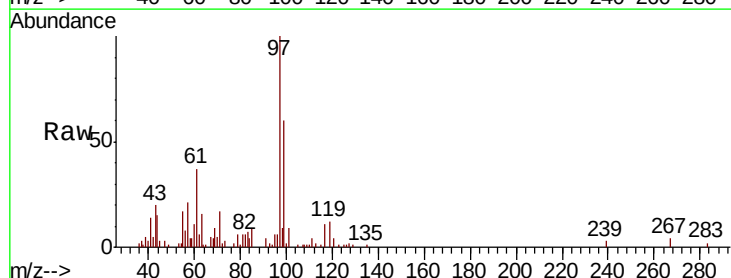
Instrument :
MSVOA_U
ClientSampleId :

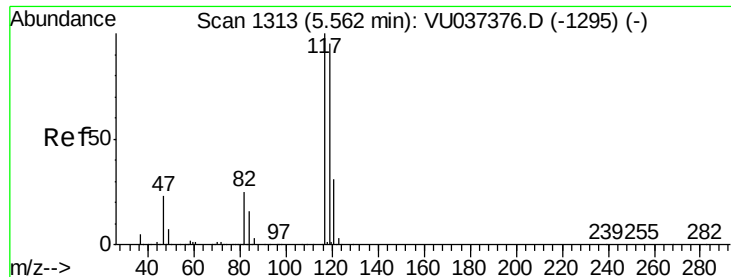
Tot Ion: 56 Resp: 19074
Ion Ratio Lower Upper
56 100
69 35.9 25.8 38.6
84 86.4 70.1 105.1



#30
1,1,1-Trichloroethane
Concen: 5.473 ug/L
RT: 5.36 min Scan# 1249
Delta R.T. 0.00 min
Lab File: VU037374.D
Acq: 27 Mar 2020 16:26

Tgt Ion: 97 Resp: 19558
Ion Ratio Lower Upper
97 100
99 63.0 51.4 77.0
61 45.0 35.1 52.7





#31

Carbon tetrachloride

Concen: 5.336 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU037374.D

Acq: 27 Mar 2020 16:26

Instrument :

MSVOA_U

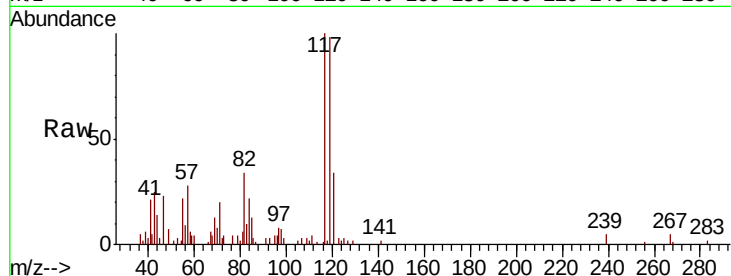
ClientSampleId :

Tot Ion:117 Resp: 16848

Ion Ratio Lower Upper

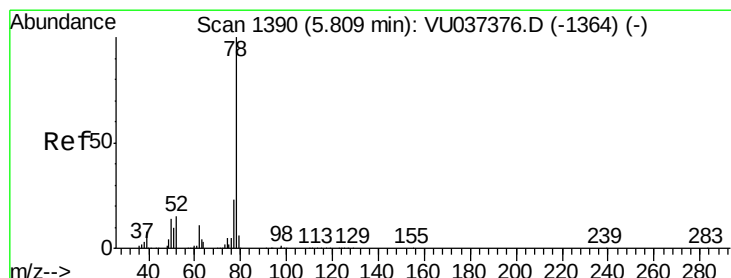
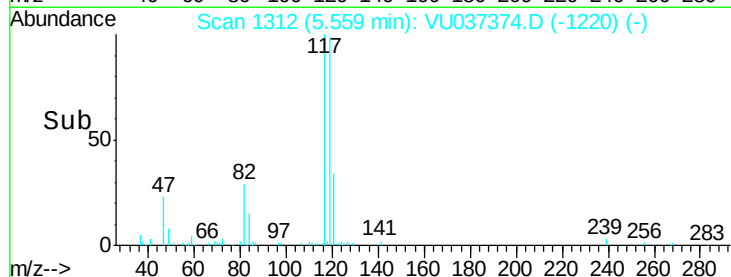
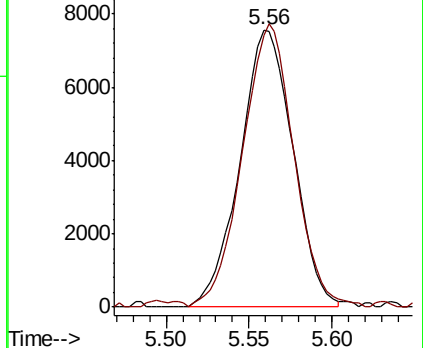
117 100

119 99.1 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: 5.852 ug/L

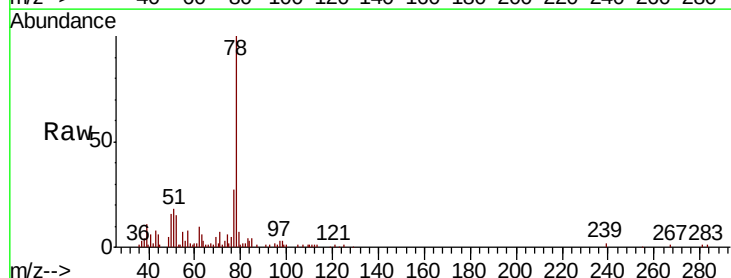
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

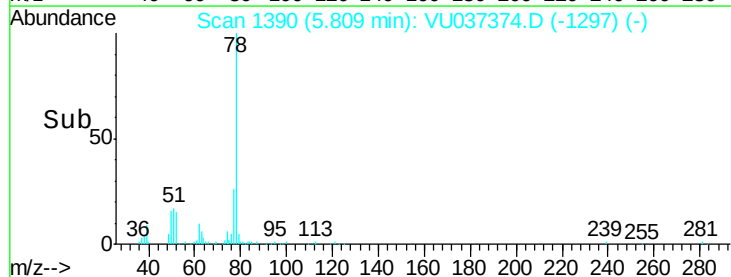
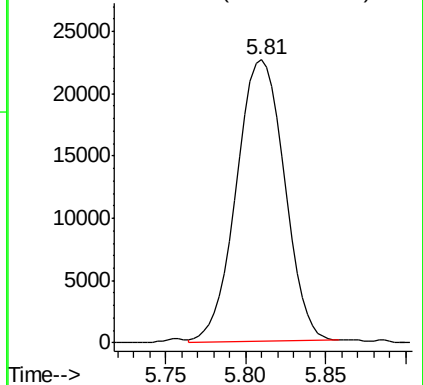
Lab File: VU037374.D

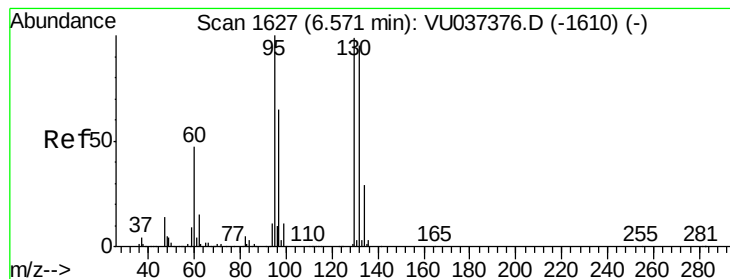
Acq: 27 Mar 2020 16:26

Tgt Ion: 78 Resp: 46438



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 6.123 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VU037374.D

Acq: 27 Mar 2020 16:26

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 12626

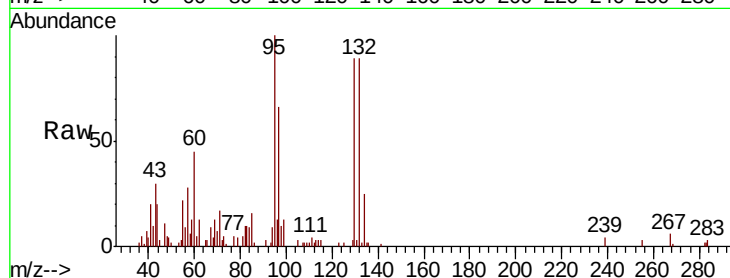
Ion Ratio Lower Upper

95 100

97 66.4 46.1 85.5

132 88.9 66.3 123.1

130 89.0 69.0 128.1

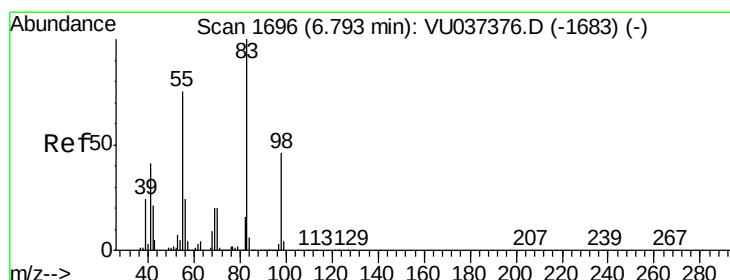
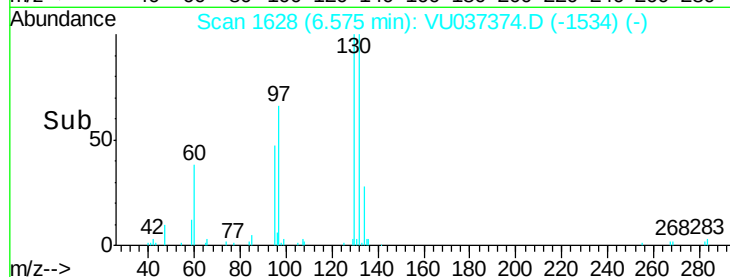
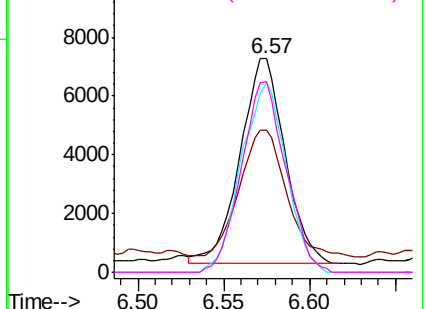


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 6.443 ug/L

RT: 6.79 min Scan# 1695

Delta R.T. -0.00 min

Lab File: VU037374.D

Acq: 27 Mar 2020 16:26

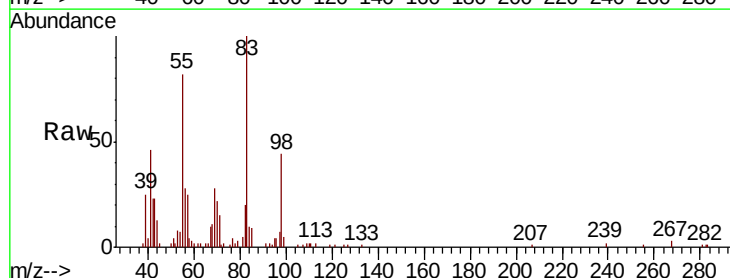
Tgt Ion: 83 Resp: 20114

Ion Ratio Lower Upper

83 100

55 80.2 60.1 90.1

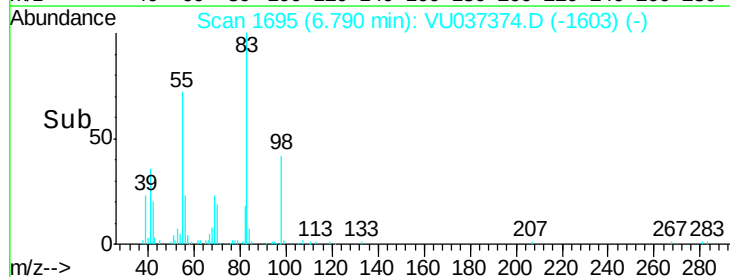
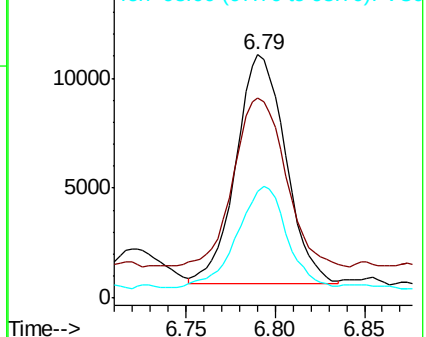
98 44.5 36.9 55.3

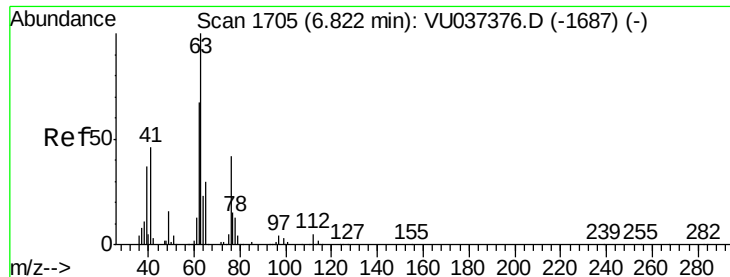


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

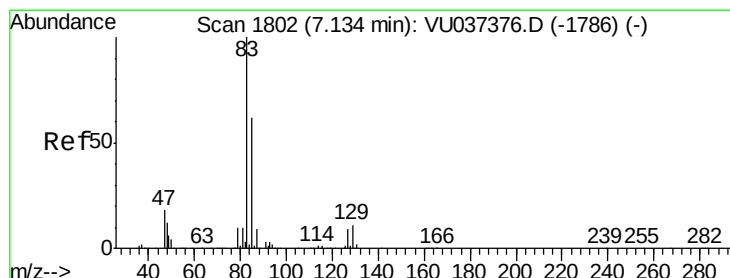
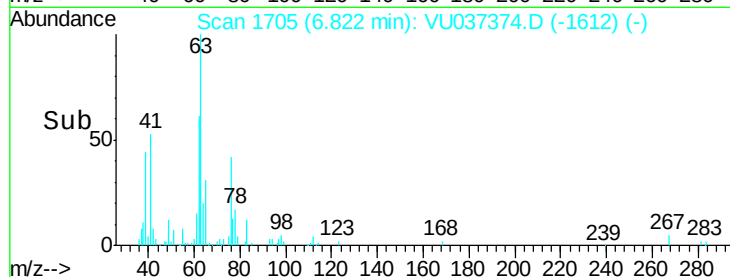
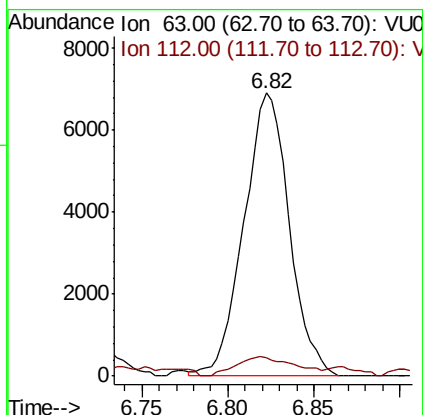
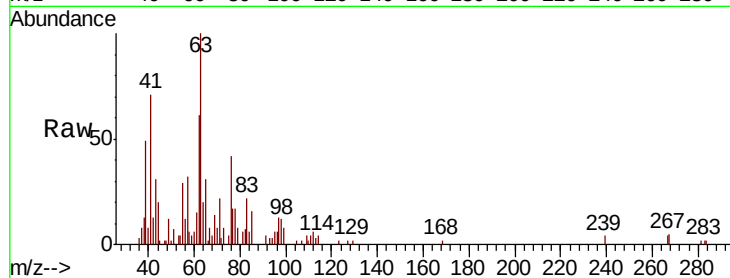




#37
 1,2-Dichloropropane
 Concen: 5.617 ug/L
 RT: 6.82 min Scan# 1705
 Delta R.T. 0.00 min
 Lab File: VU037374.D
 Acq: 27 Mar 2020 16:26

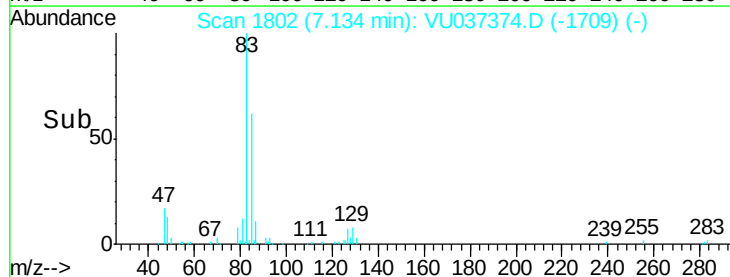
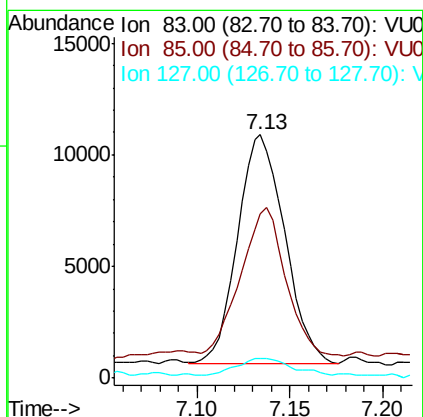
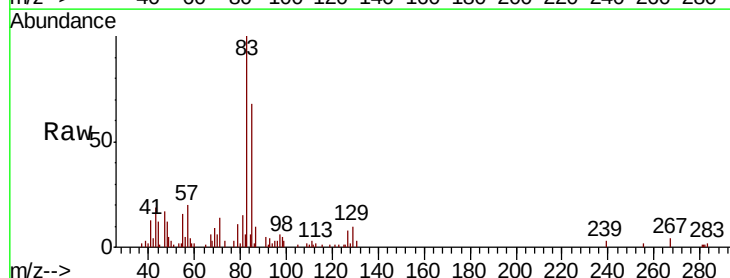
Instrument :
 MSVOA_U
 ClientSampleId :

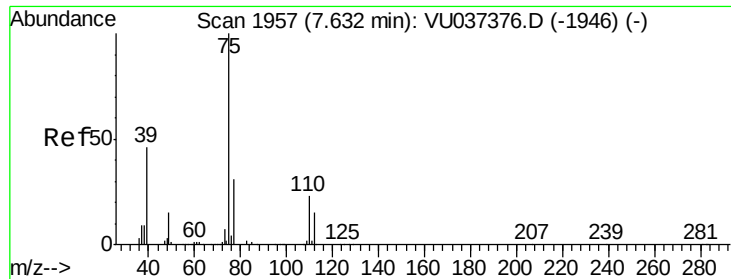
Tot Ion: 63 Resp: 12670
 Ion Ratio Lower Upper
 63 100
 112 8.8 3.4 5.0#



#38
 Bromodichloromethane
 Concen: 5.756 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VU037374.D
 Acq: 27 Mar 2020 16:26

Tgt Ion: 83 Resp: 18151
 Ion Ratio Lower Upper
 83 100
 85 67.5 44.2 82.2
 127 10.5 7.8 11.6



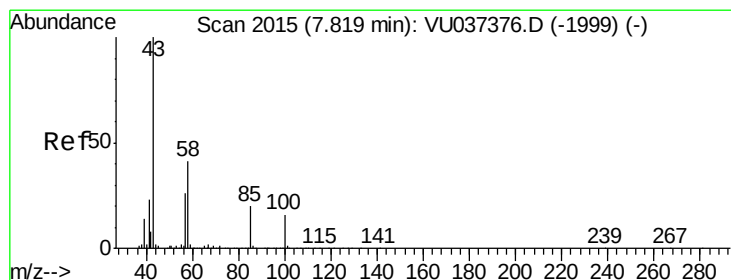
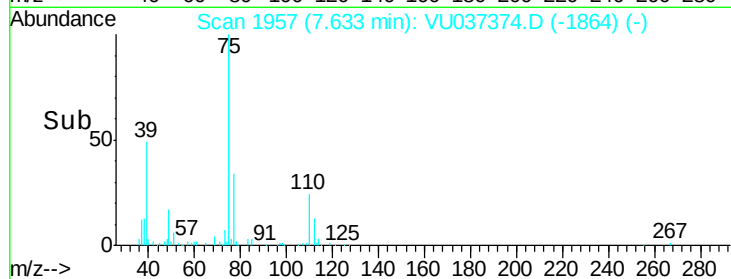
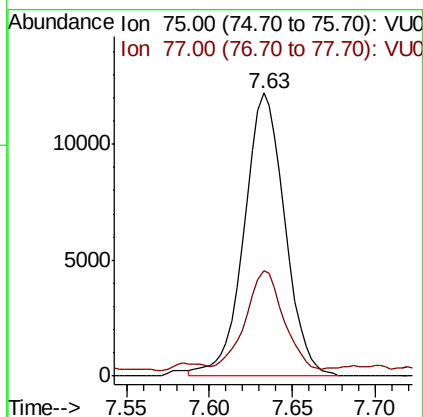
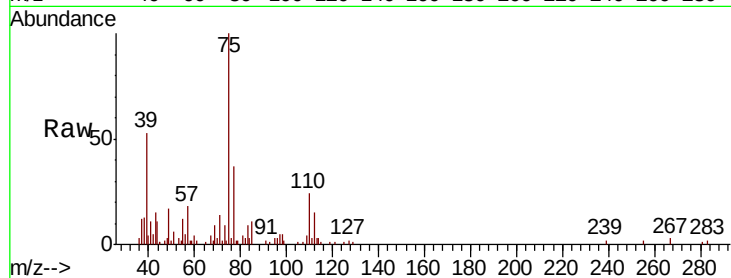


#39

cis-1,3-Dichloropropene
 Concen: 5.972 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU037374.D
 Acq: 27 Mar 2020 16:26

Instrument :
 MSVOA_U
 ClientSampled :

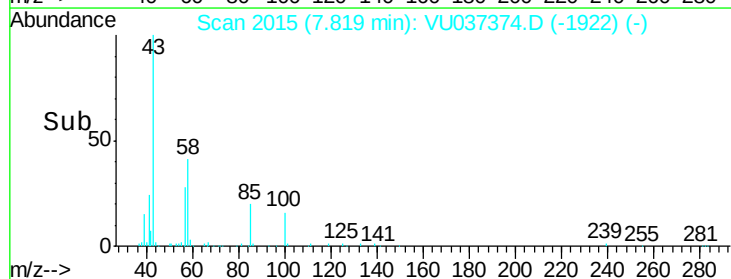
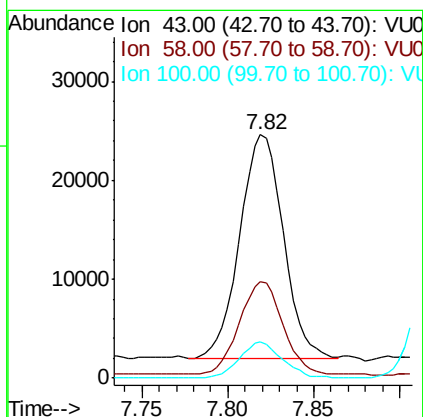
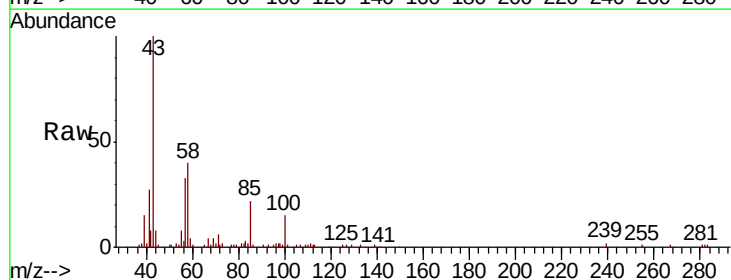
Tot Ion: 75 Resp: 20887
 Ion Ratio Lower Upper
 75 100
 77 37.0 22.5 41.9

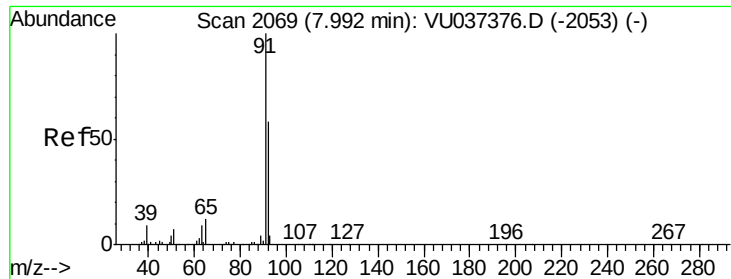


#40

4-Methyl-2-pentanone
 Concen: 10.886 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. 0.00 min
 Lab File: VU037374.D
 Acq: 27 Mar 2020 16:26

Tgt Ion: 43 Resp: 39971
 Ion Ratio Lower Upper
 43 100
 58 41.7 0.0 0.0#
 100 15.8 0.0 0.0#





#42

Toluene

Concen: 5.785 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU037374.D

Acq: 27 Mar 2020 16:26

Instrument :

MSVOA_U

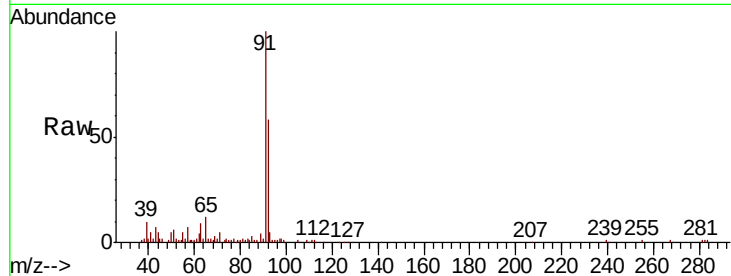
ClientSampleId :

Tot Ion: 91 Resp: 50128

Ion Ratio Lower Upper

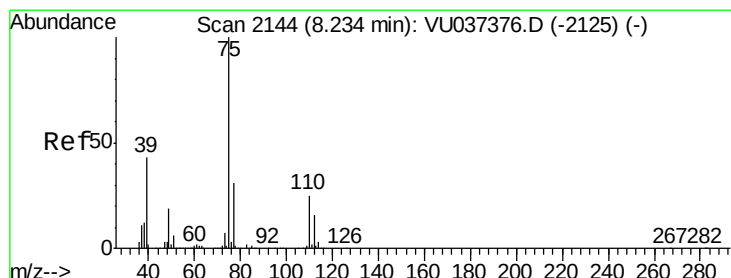
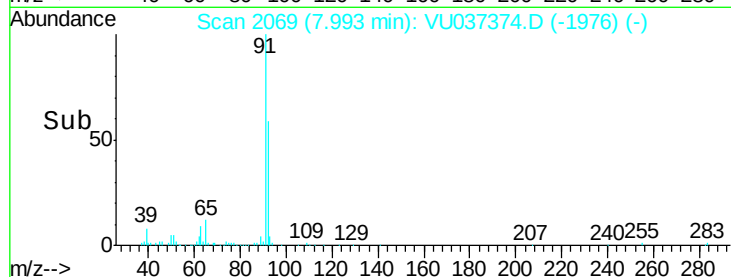
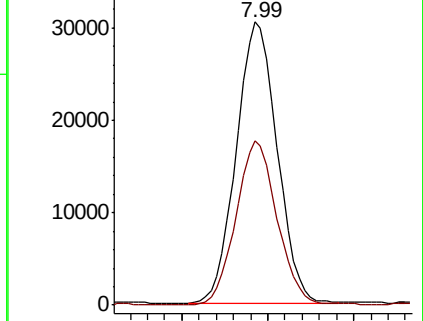
91 100

92 58.0 40.9 75.9



Abundance Ion 91.00 (90.70 to 91.70): VU037376.D (-2053) (-)

Ion 92.00 (91.70 to 92.70): VU037376.D (-2053) (-)



#44

trans-1,3-Dichloropropene

Concen: 6.461 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU037374.D

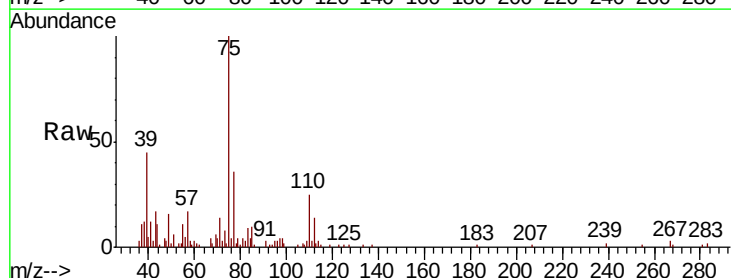
Acq: 27 Mar 2020 16:26

Tgt Ion: 75 Resp: 21335

Ion Ratio Lower Upper

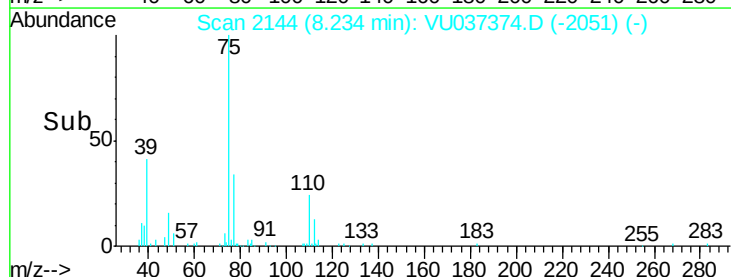
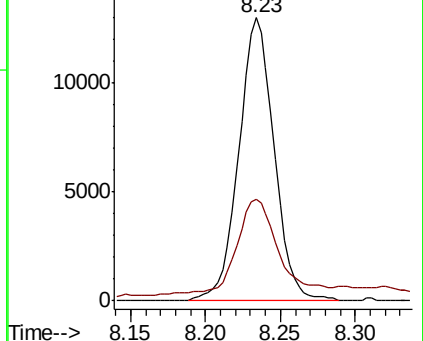
75 100

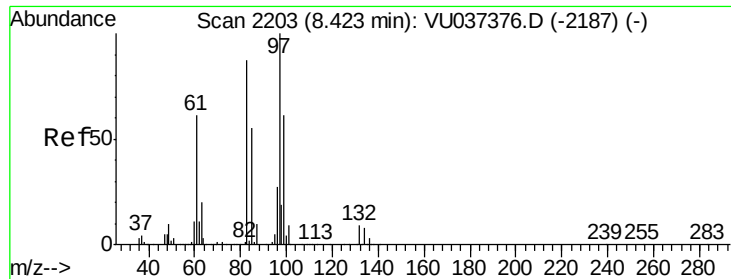
77 36.0 21.9 40.7



Abundance Ion 75.00 (74.70 to 75.70): VU037376.D (-2125) (-)

Ion 77.00 (76.70 to 77.70): VU037376.D (-2125) (-)

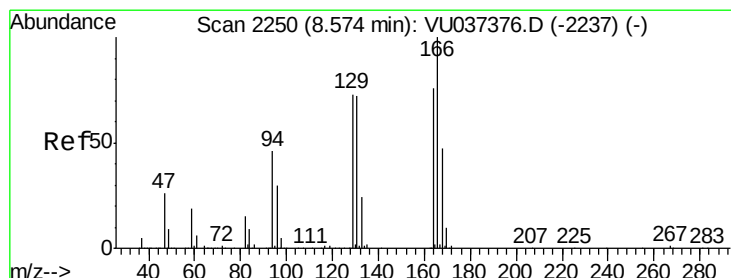
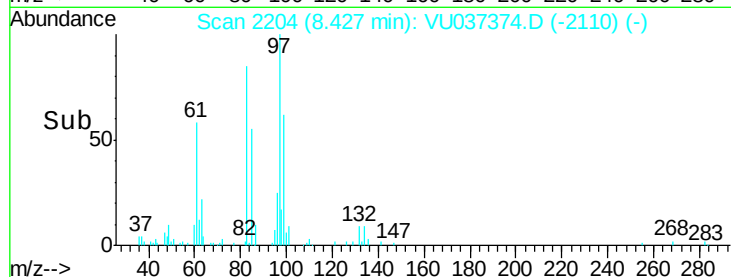
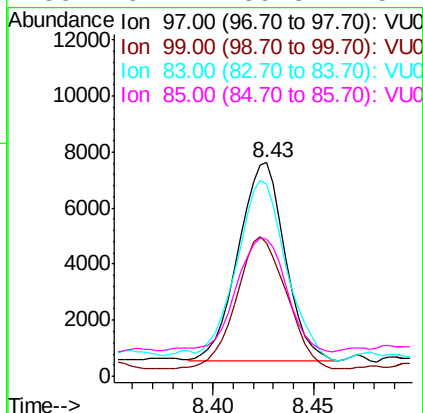
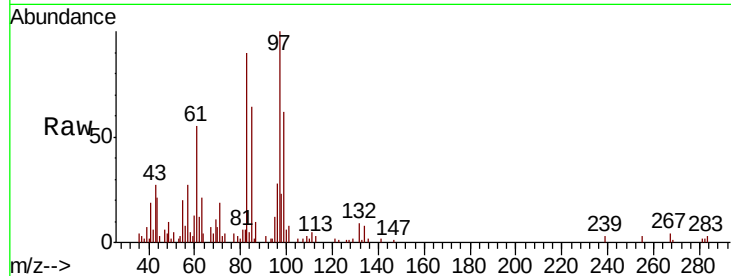




#45
1,1,2-Trichloroethane
Concen: 5.636 ug/L
RT: 8.43 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VU037374.D
Acq: 27 Mar 2020 16:26

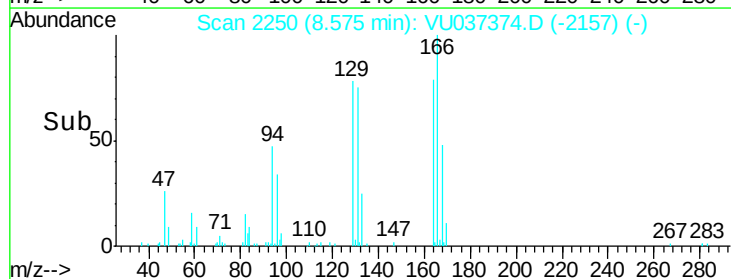
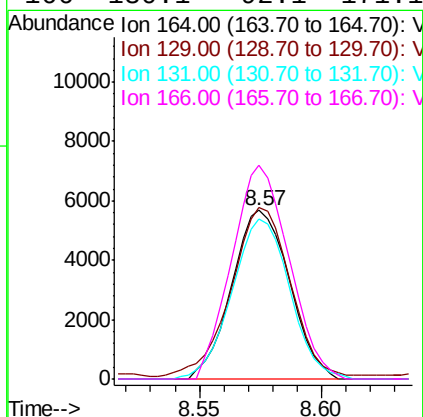
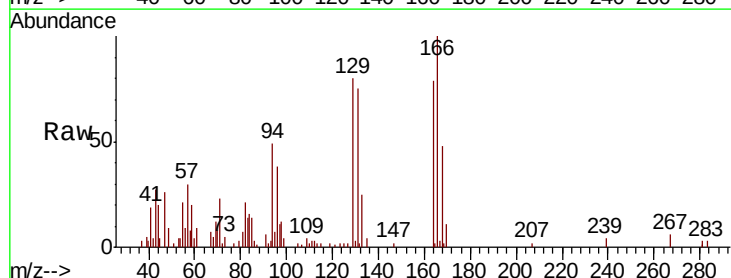
Instrument :
MSVOA_U
ClientSampleId :

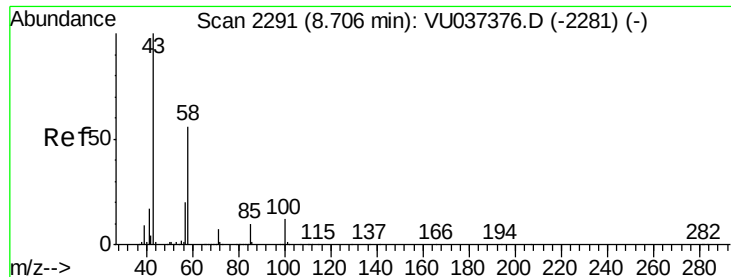
Tot Ion:	97	Resp:	11574
Ion	Ratio	Lower	Upper
97	100		
99	62.0	42.4	78.6
83	89.6	61.3	113.9
85	64.4	39.3	73.1



#46
Tetrachloroethene
Concen: 6.095 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. 0.00 min
Lab File: VU037374.D
Acq: 27 Mar 2020 16:26

Tgt Ion:	164	Resp:	9337
Ion	Ratio	Lower	Upper
164	100		
129	104.8	67.8	126.0
131	95.3	66.1	122.8
166	130.1	92.1	171.1

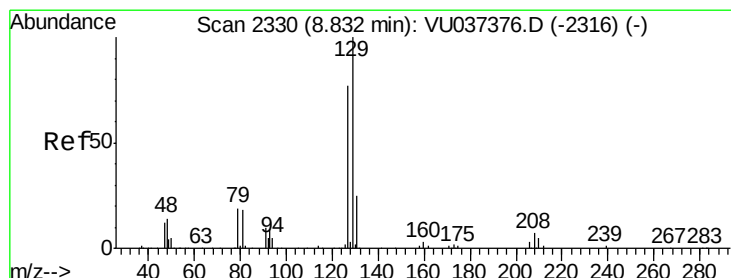
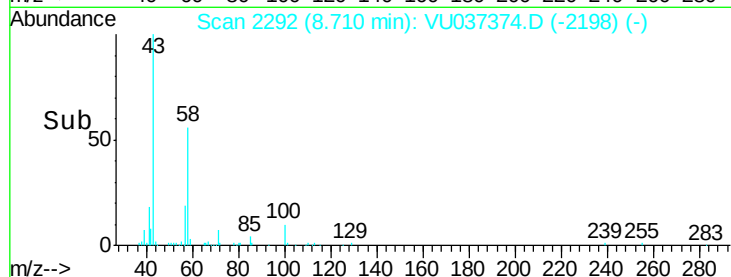
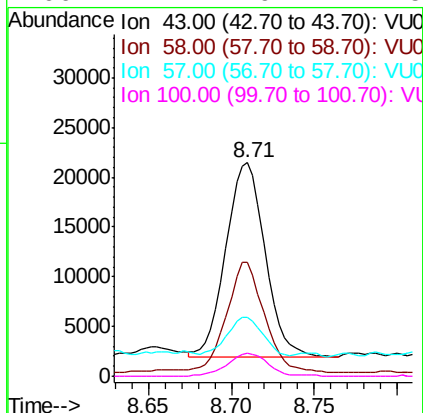
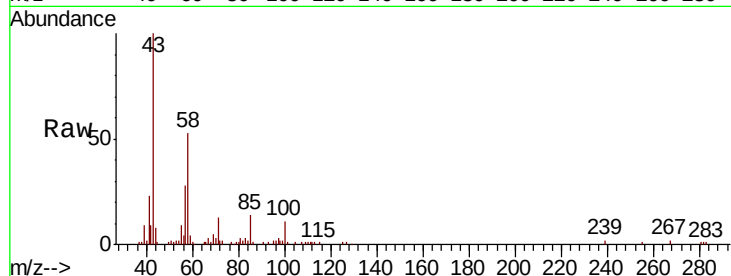




#48
2-Hexanone
Concen: 11.024 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU037374.D
Acq: 27 Mar 2020 16:26

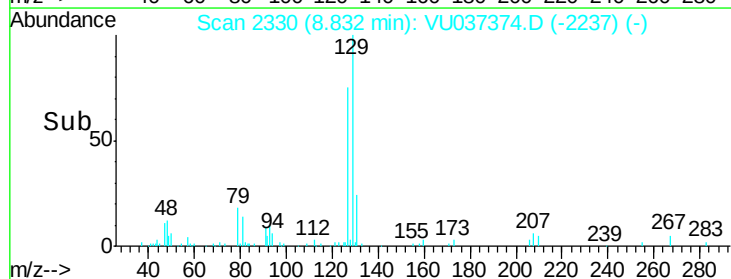
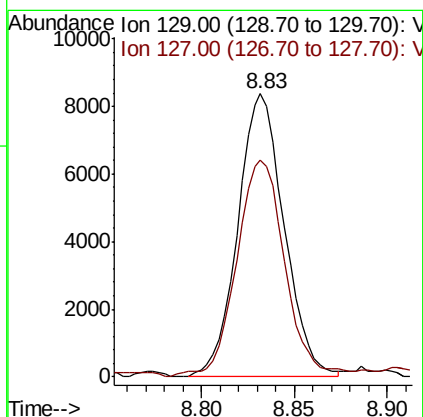
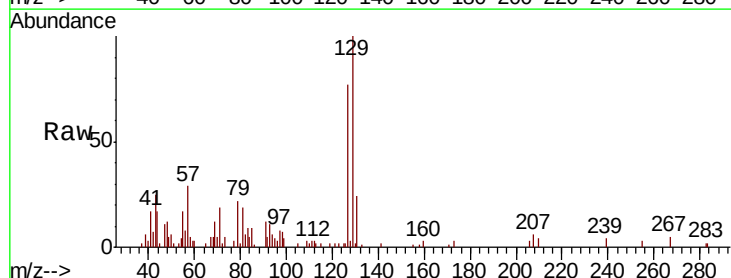
Instrument :
MSVOA_U
ClientSampleId :

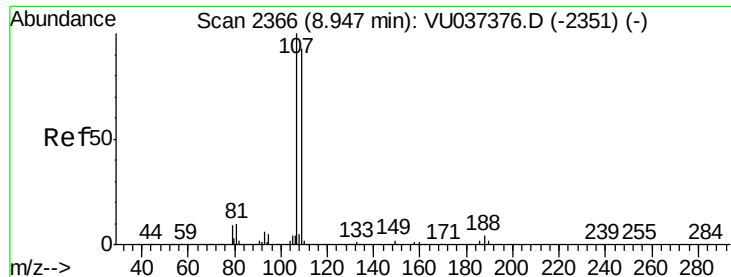
Tot Ion:	43	Resp:	31897
Ion	Ratio	Lower	Upper
43	100		
58	55.6	45.3	67.9
57	19.1	16.2	24.2
100	12.1	9.7	14.5



#49
Dibromochloromethane
Concen: 6.003 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU037374.D
Acq: 27 Mar 2020 16:26

Tgt Ion:	129	Resp:	14503
Ion	Ratio	Lower	Upper
129	100		
127	76.7	53.9	100.1

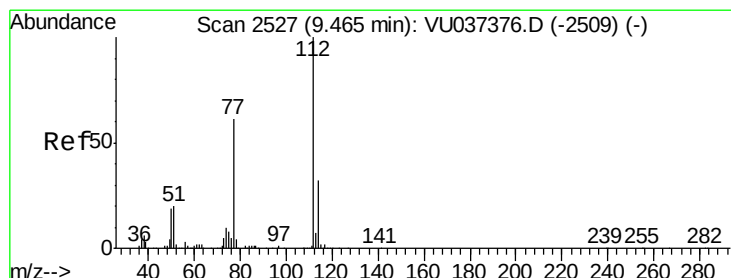
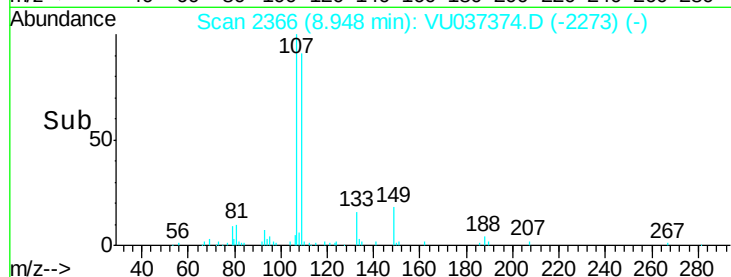
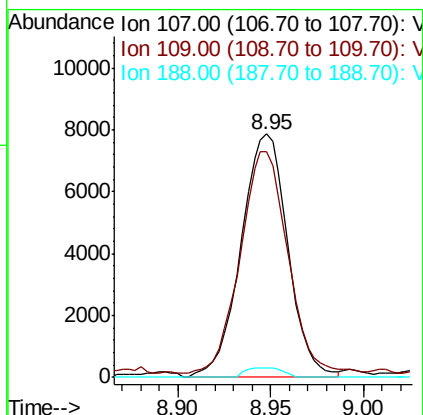
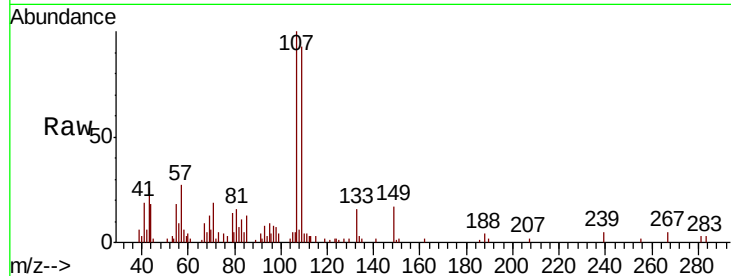




#50
1,2-Dibromoethane
Concen: 6.212 ug/L
RT: 8.95 min Scan# 2366
Delta R.T. 0.00 min
Lab File: VU037374.D
Acq: 27 Mar 2020 16:26

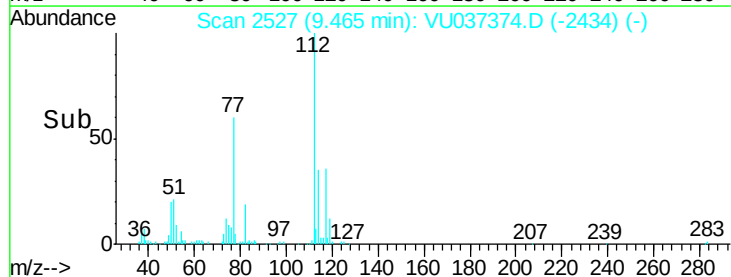
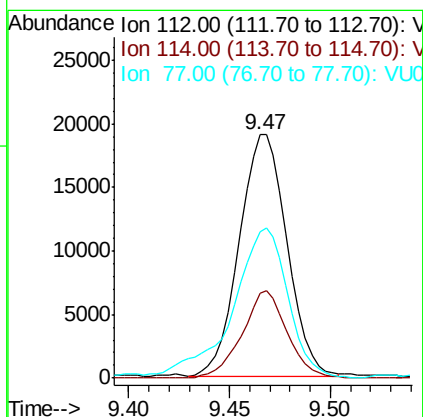
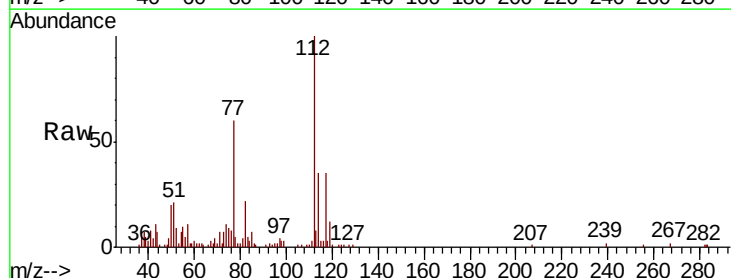
Instrument :
MSVOA_U
ClientSampled :

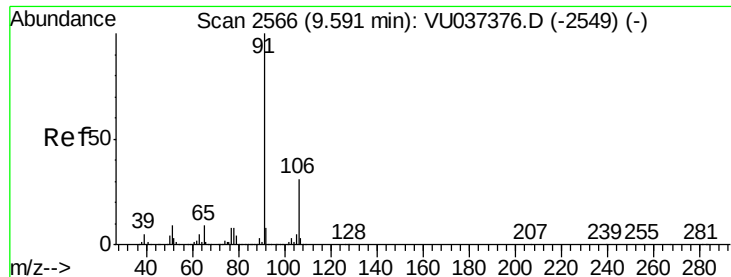
Tot Ion:107 Resp: 13768
Ion Ratio Lower Upper
107 100
109 92.9 65.1 120.9
188 3.9 3.0 4.4



#51
Chlorobenzene
Concen: 5.756 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. 0.00 min
Lab File: VU037374.D
Acq: 27 Mar 2020 16:26

Tgt Ion:112 Resp: 31367
Ion Ratio Lower Upper
112 100
114 34.9 22.3 41.5
77 59.9 48.6 72.8





#52

Ethylbenzene

Concen: 5.563 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VU037374.D

Acq: 27 Mar 2020 16:26

Instrument :

MSVOA_U

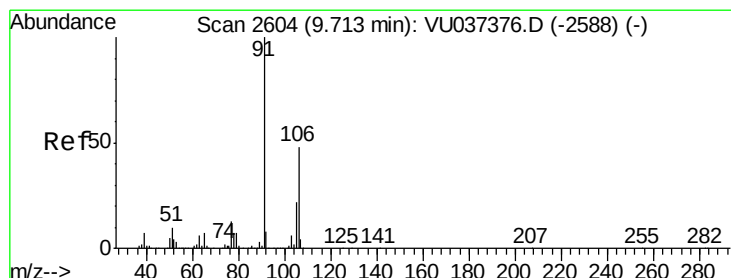
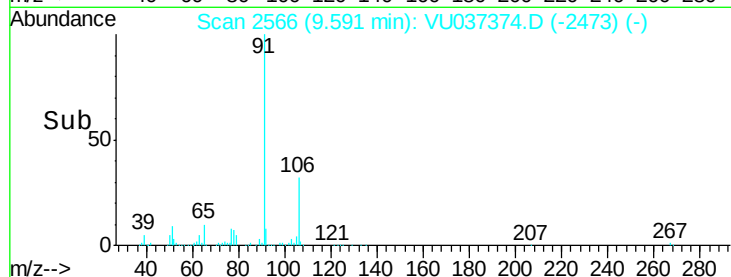
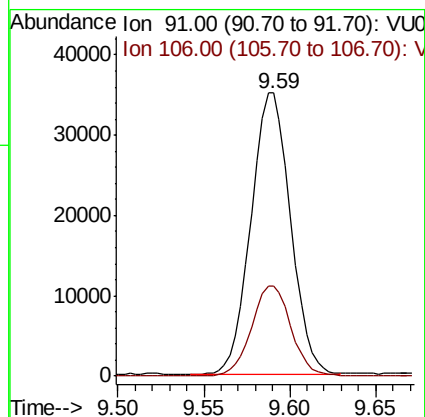
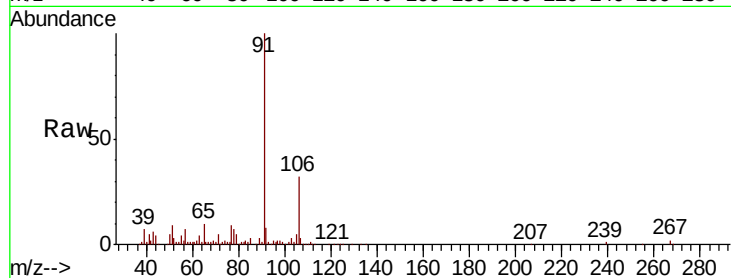
ClientSampleId :

Tot Ion: 91 Resp: 55817

Ion Ratio Lower Upper

91 100

106 32.0 21.5 39.9



#53

m,p-Xylene

Concen: 6.232 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VU037374.D

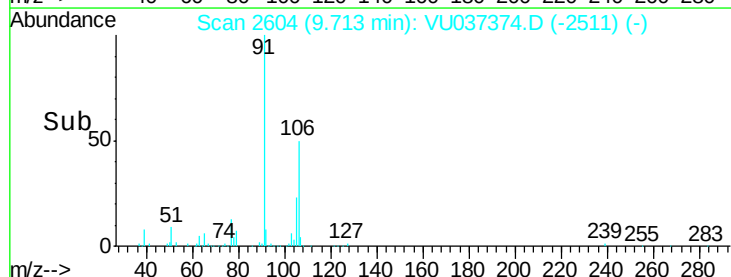
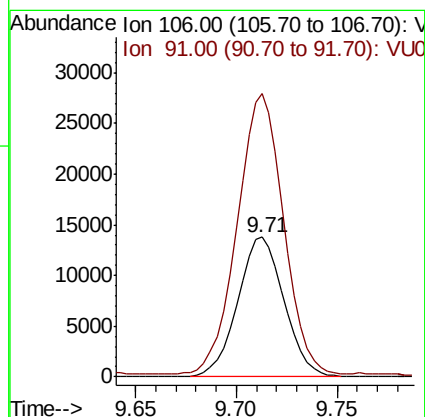
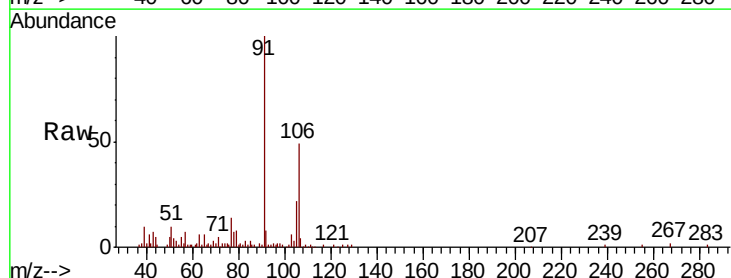
Acq: 27 Mar 2020 16:26

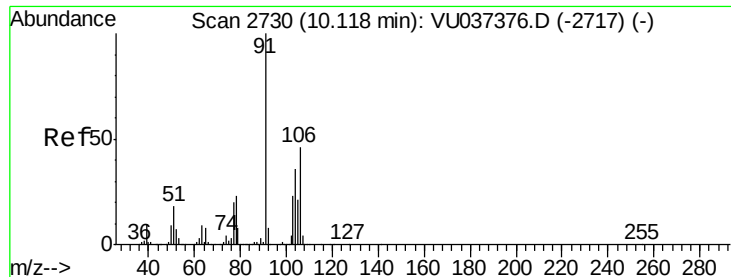
Tgt Ion: 106 Resp: 22116

Ion Ratio Lower Upper

106 100

91 202.7 146.5 272.1

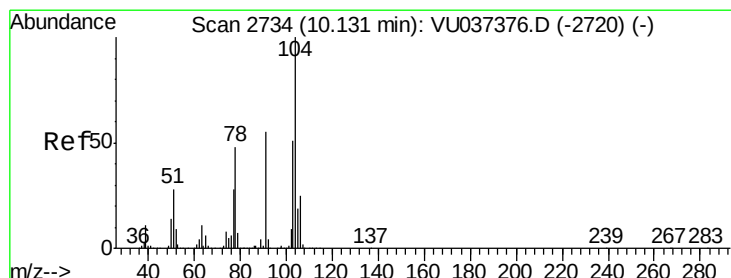
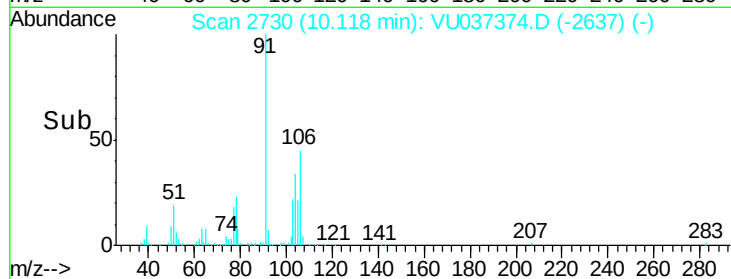
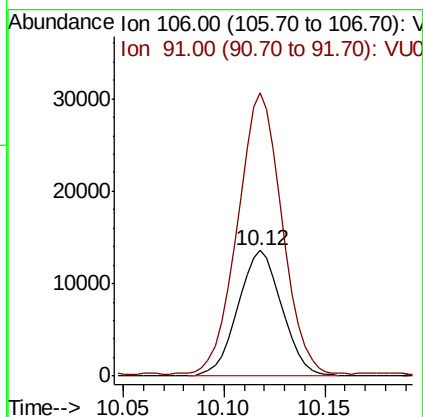
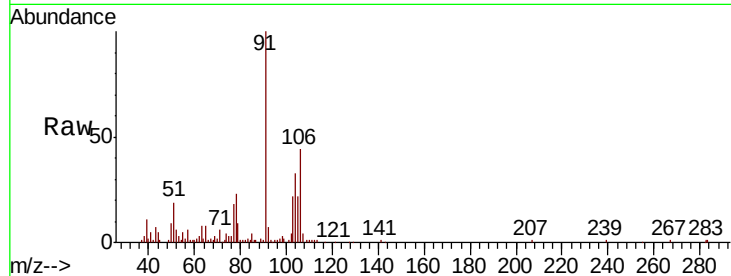




#54
o-xylene
Concen: 5.932 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. 0.00 min
Lab File: VU037374.D
Acq: 27 Mar 2020 16:26

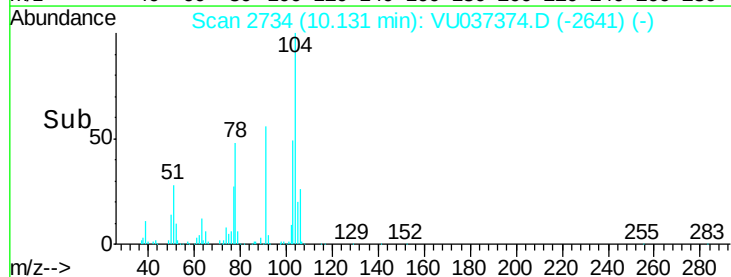
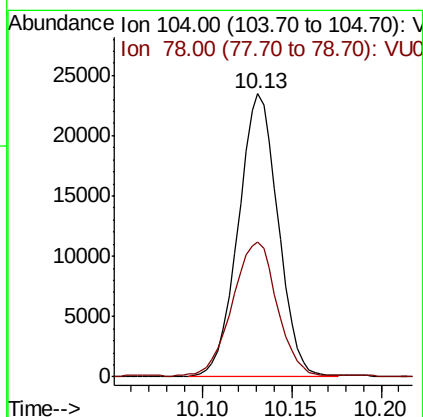
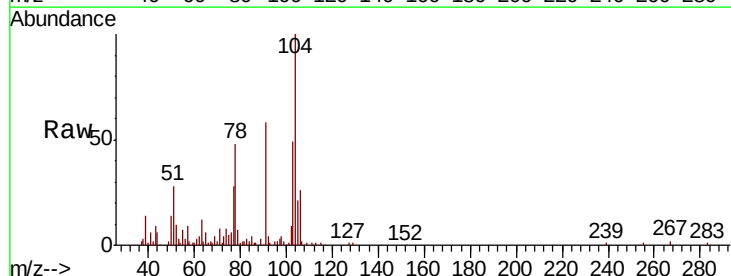
Instrument :
MSVOA_U
ClientSampleId :

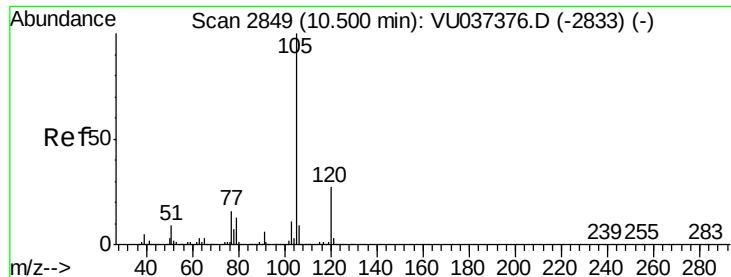
Tot Ion:106 Resp: 20797
Ion Ratio Lower Upper
106 100
91 225.5 153.6 285.3



#55
Styrene
Concen: 6.163 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU037374.D
Acq: 27 Mar 2020 16:26

Tgt Ion:104 Resp: 36647
Ion Ratio Lower Upper
104 100
78 47.6 34.0 63.2





#56

Isopropylbenzene

Concen: 5.592 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU037374.D

Acq: 27 Mar 2020 16:26

Instrument :

MSVOA_U

ClientSampleId :

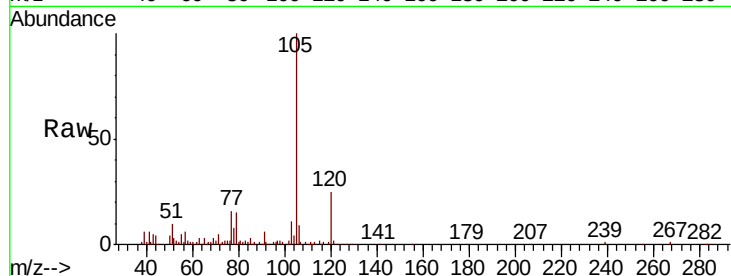
Tot Ion:105 Resp: 54492

Ion Ratio Lower Upper

105 100

120 26.6 21.5 32.3

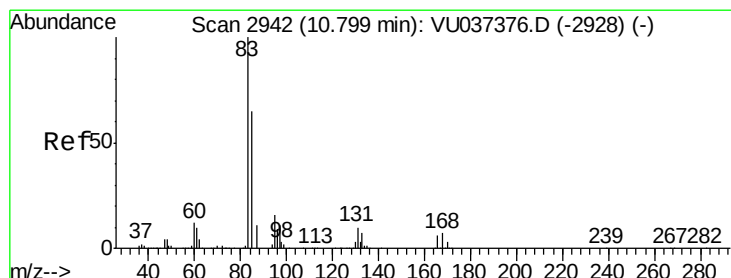
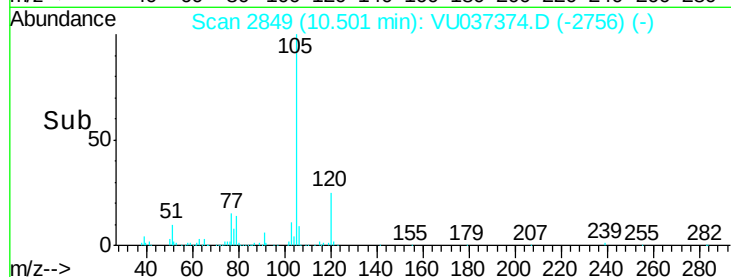
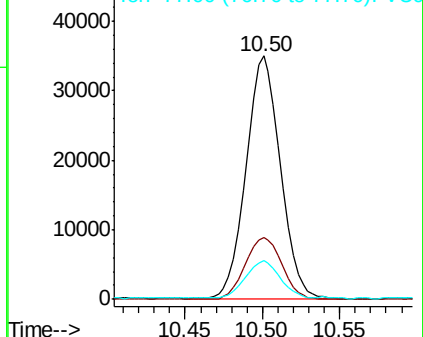
77 15.5 12.6 19.0



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: 5.744 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU037374.D

Acq: 27 Mar 2020 16:26

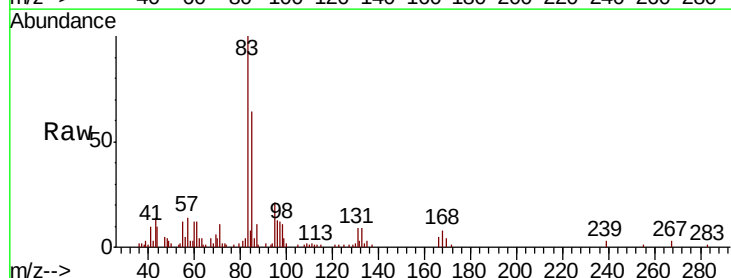
Tgt Ion: 83 Resp: 21534

Ion Ratio Lower Upper

83 100

85 63.7 46.1 85.5

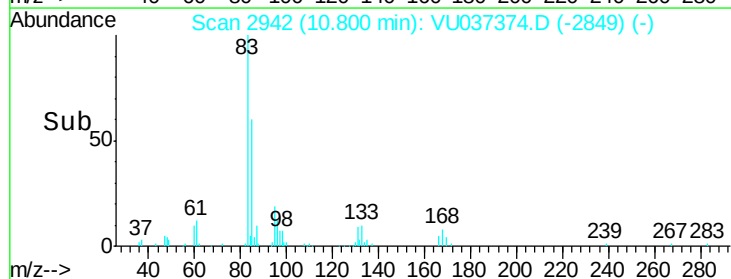
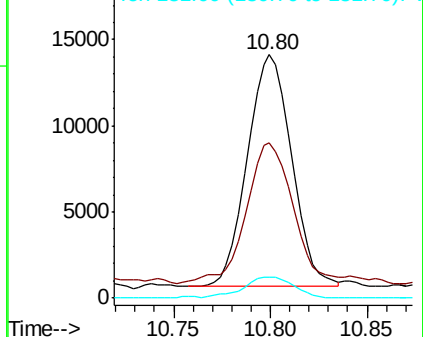
131 11.7 8.0 12.0

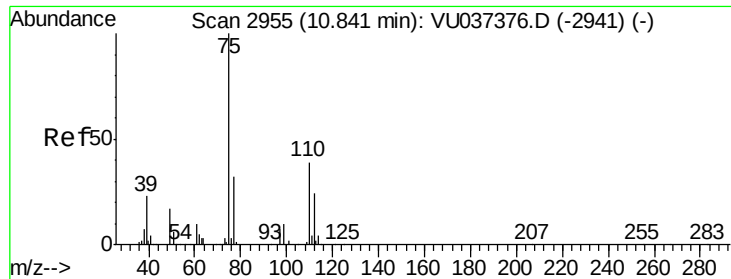


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 5.396 ug/L

RT: 10.84 min Scan# 2954

Delta R.T. -0.00 min

Lab File: VU037374.D

Acq: 27 Mar 2020 16:26

Instrument :

MSVOA_U

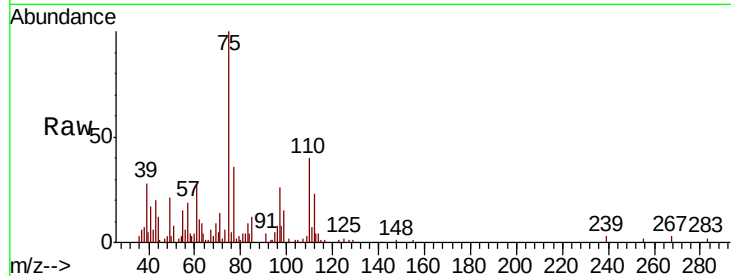
ClientSampled :

Tot Ion: 75 Resp: 16918

Ion Ratio Lower Upper

75 100

77 34.3 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VU037376.D (-2941) (-)

Ion 77.00 (76.70 to 77.70): VU037376.D (-2941) (-)

10.84

12000

10000

8000

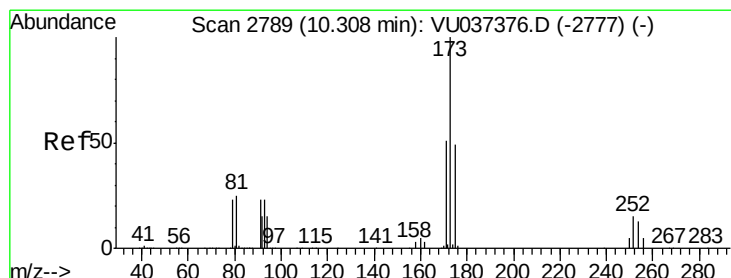
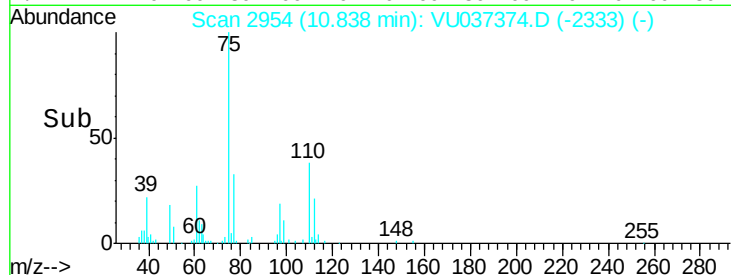
6000

4000

2000

0

Time-->



#61

Bromoform

Concen: 5.978 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VU037374.D

Acq: 27 Mar 2020 16:26

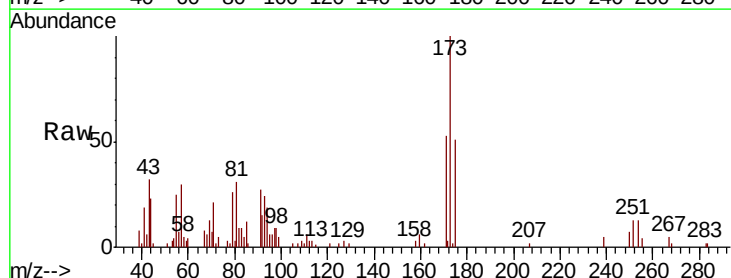
Tgt Ion: 173 Resp: 10894

Ion Ratio Lower Upper

173 100

175 51.6 39.0 58.4

254 2.6 9.8 14.8#



Abundance Ion 173.00 (172.70 to 173.70): VU037376.D (-2777) (-)

Ion 175.00 (174.70 to 175.70): VU037376.D (-2777) (-)

Ion 254.00 (253.70 to 254.70): VU037376.D (-2777) (-)

10.31

8000

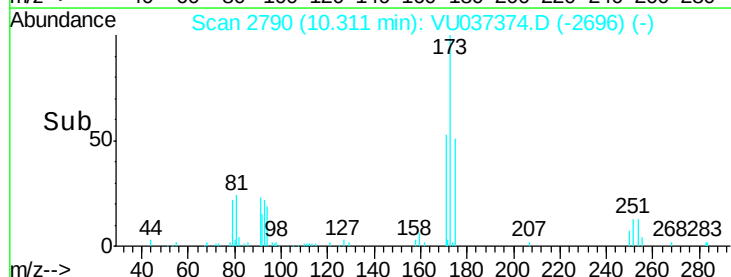
6000

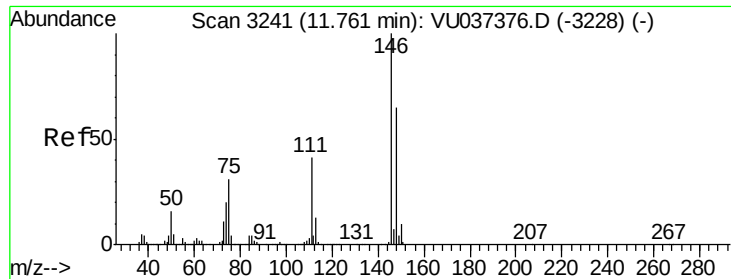
4000

2000

0

Time-->

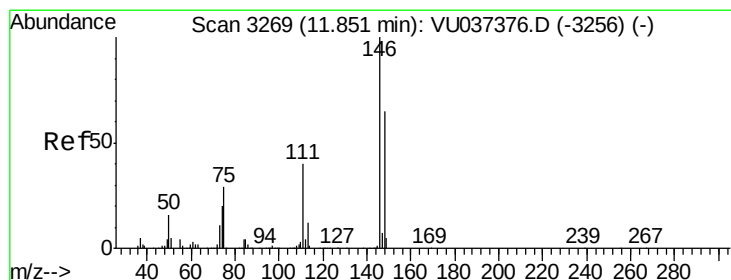
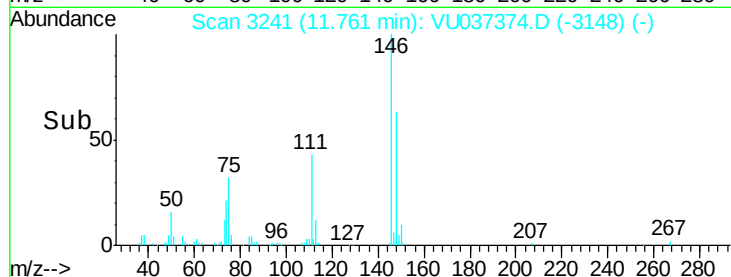
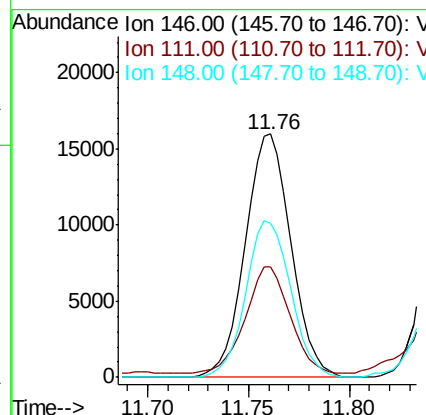
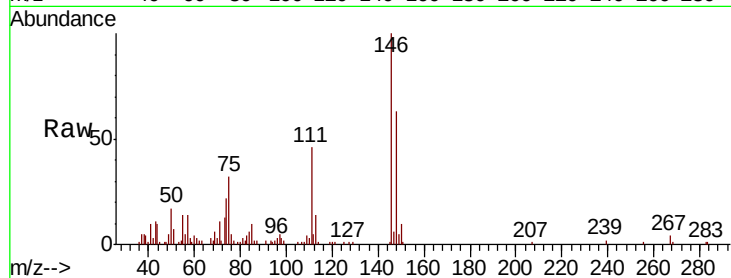




#62
 1,3-Dichlorobenzene
 Concen: 6.141 ug/L
 RT: 11.76 min Scan# 3241
 Delta R.T. 0.00 min
 Lab File: VU037374.D
 Acq: 27 Mar 2020 16:26

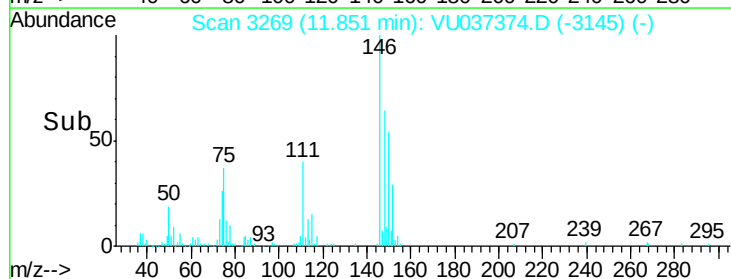
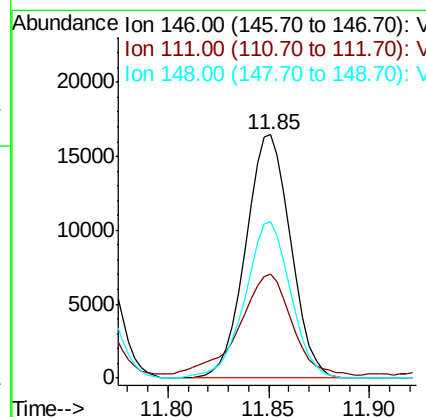
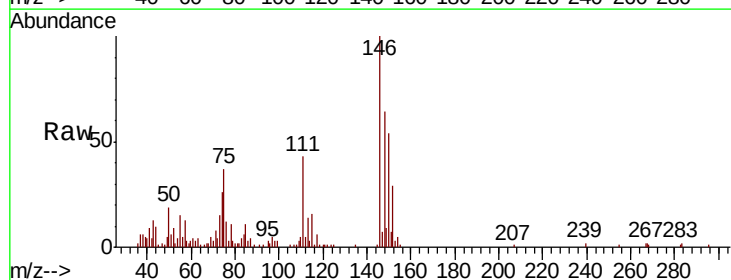
Instrument :
 MSVOA_U
 ClientSampleId :

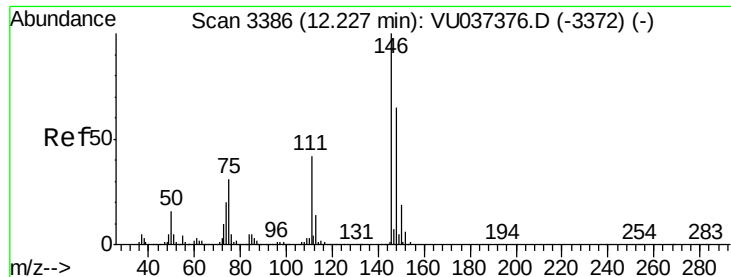
Tot Ion	Ratio	Lower	Upper
146	100		
111	45.6	29.1	54.1
148	63.5	45.2	84.0



#63
 1,4-Dichlorobenzene
 Concen: 6.150 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. 0.00 min
 Lab File: VU037374.D
 Acq: 27 Mar 2020 16:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.8	28.4	52.8
148	64.4	45.6	84.8

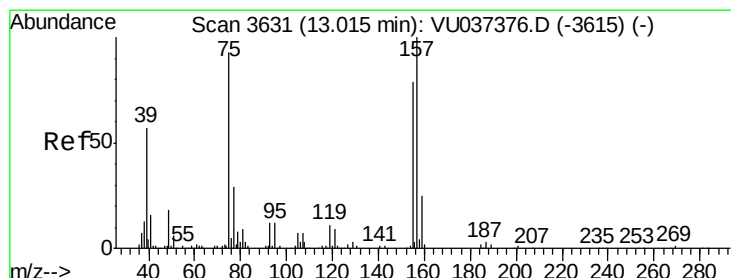
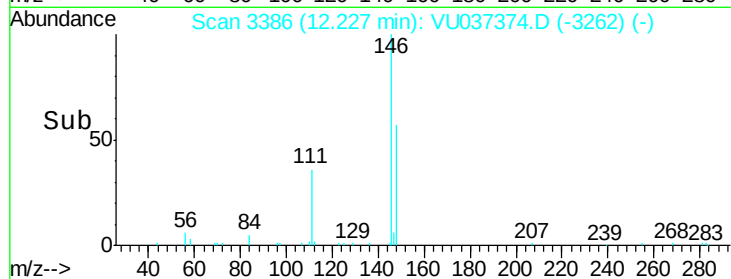
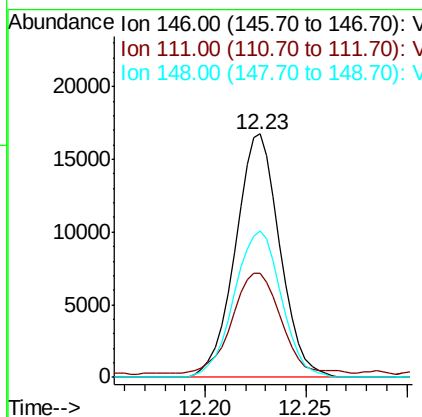
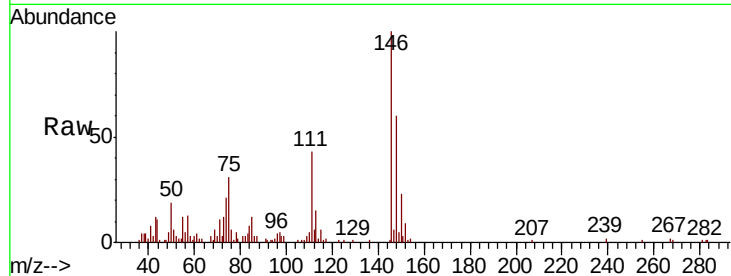




#65
 1,2-Dichlorobenzene
 Concen: 6.119 ug/L
 RT: 12.23 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU037374.D
 Acq: 27 Mar 2020 16:26

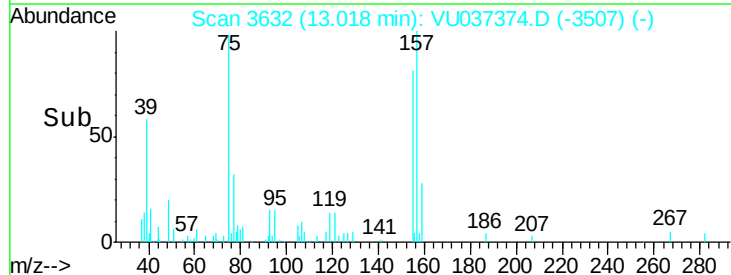
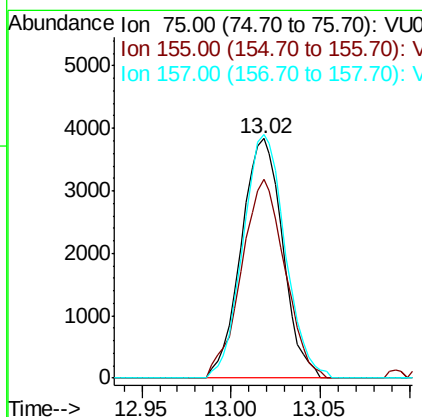
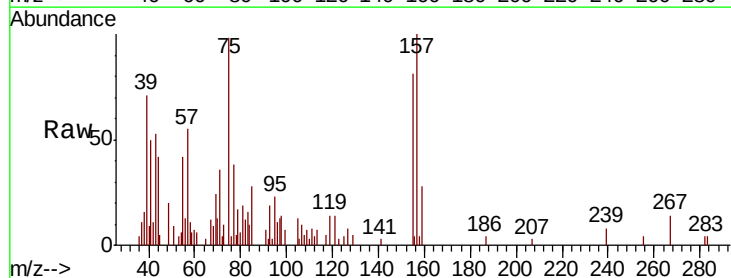
Instrument :
 MSVOA_U
 ClientSampleId :

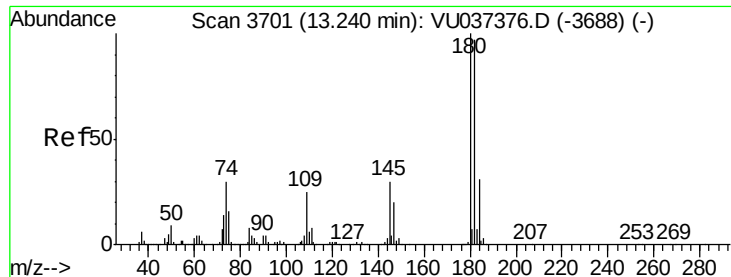
Tot Ion:146 Resp: 25847
 Ion Ratio Lower Upper
 146 100
 111 42.7 33.6 50.4
 148 60.4 51.9 77.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 6.659 ug/L
 RT: 13.02 min Scan# 3632
 Delta R.T. 0.00 min
 Lab File: VU037374.D
 Acq: 27 Mar 2020 16:26

Tgt Ion: 75 Resp: 6201
 Ion Ratio Lower Upper
 75 100
 155 82.9 68.5 102.7
 157 105.6 86.5 129.7

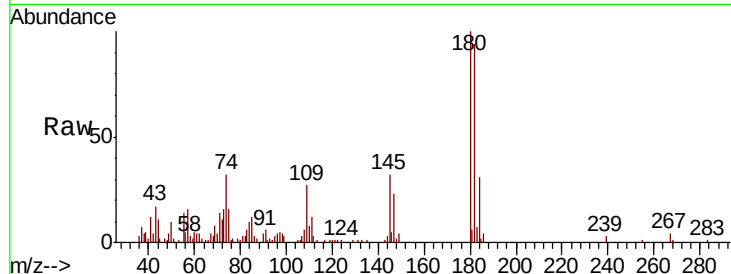




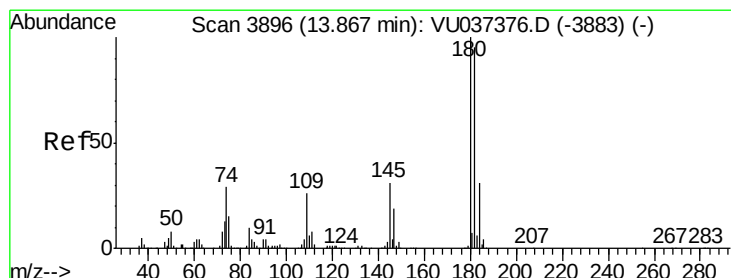
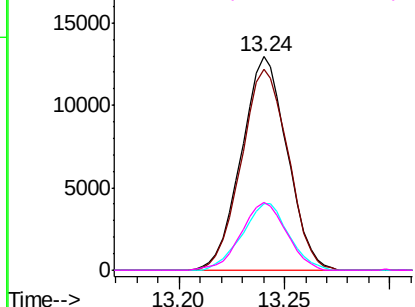
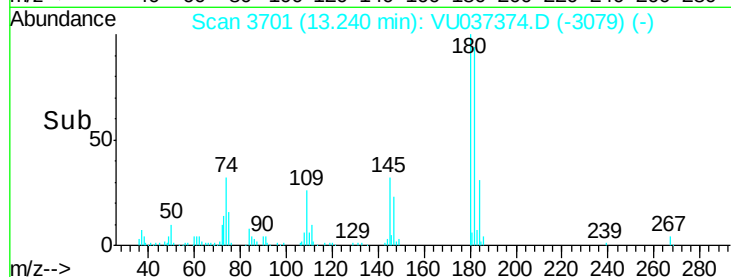
#67
 1,3,5-Trichlorobenzene
 Concen: 6.488 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU037374.D
 Acq: 27 Mar 2020 16:26

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180	Resp:	19554
Ion Ratio	Lower	Upper
180	100	
182	95.6	77.3 115.9
184	31.8	24.6 37.0
145	31.5	23.6 35.4

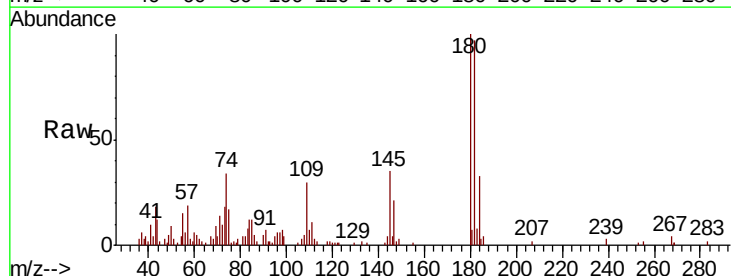


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

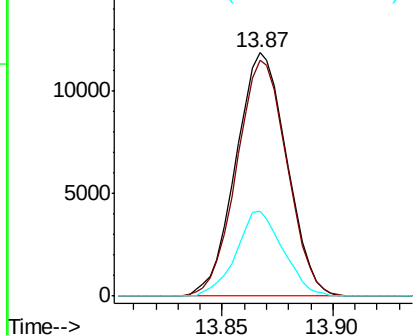
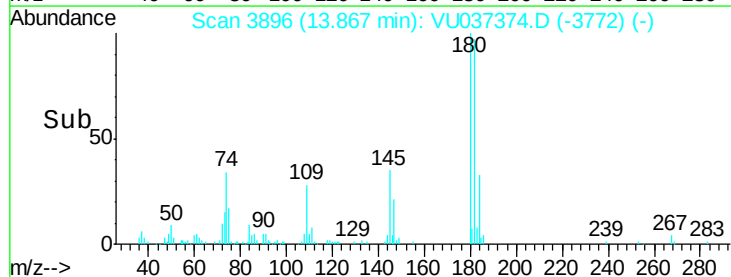


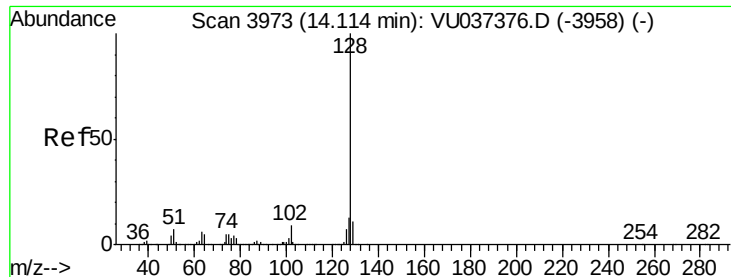
#68
 1,2,4-trichlorobenzene
 Concen: 8.068 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. 0.00 min
 Lab File: VU037374.D
 Acq: 27 Mar 2020 16:26

Tgt Ion:180	Resp:	18988
Ion Ratio	Lower	Upper
180	100	
182	95.9	76.4 114.6
145	32.2	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: 18.764 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. 0.00 min

Lab File: VU037374.D

Acq: 27 Mar 2020 16:26

Instrument :

MSVOA_U

ClientSampleId :

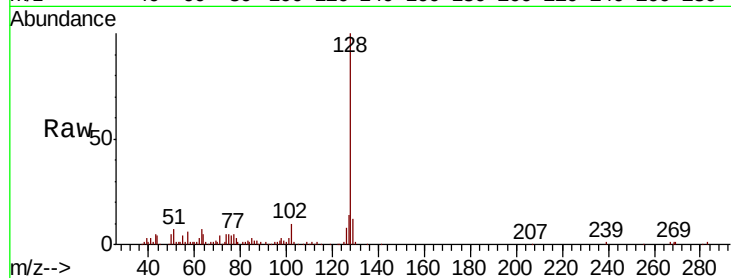
Tot Ion:128 Resp: 66972

Ion Ratio Lower Upper

128 100

127 14.1 10.4 15.6

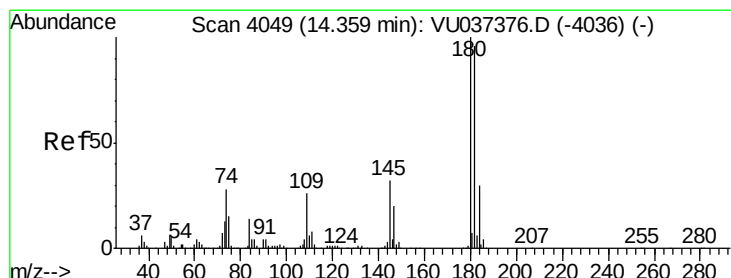
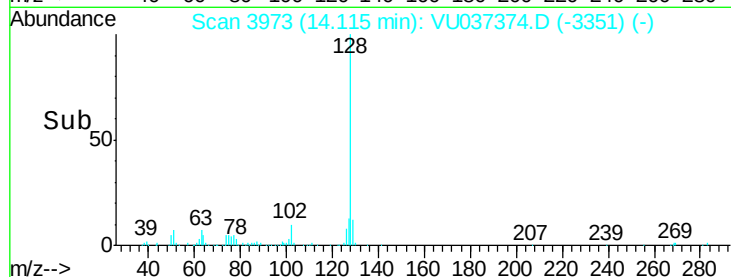
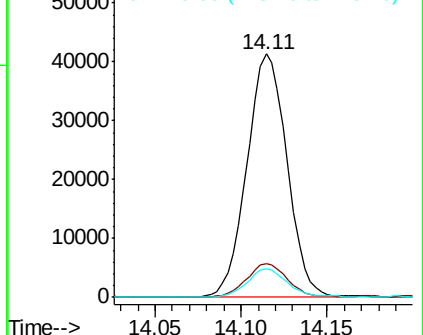
129 11.2 8.8 13.2



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: 7.783 ug/L

RT: 14.36 min Scan# 4050

Delta R.T. 0.00 min

Lab File: VU037374.D

Acq: 27 Mar 2020 16:26

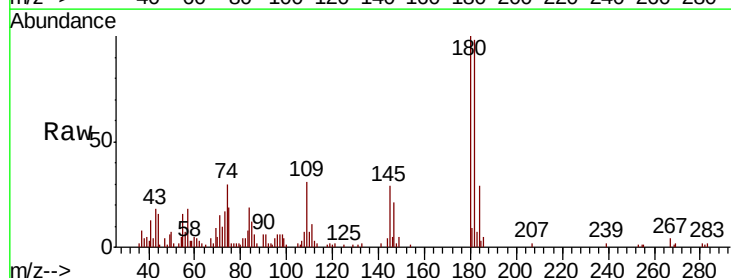
Tgt Ion:180 Resp: 19222

Ion Ratio Lower Upper

180 100

182 92.4 77.0 115.6

145 31.4 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

