

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032720\
 Data File : VU037375.D
 Acq On : 27 Mar 2020 16:49
 Operator : JC/MD
 Sample : VSTD01036
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 28 00:49:35 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	301296	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	284055	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	143539	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	20108	8.62	ug/L	0.00
7) Chloroethane-d5	1.93	69	15868	8.44	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	50514	11.81	ug/L	0.00
21) 2-Butanone-d5	4.67	46	34619	18.76	ug/L	0.00
24) Chloroform-d	5.11	84	41208	9.19	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	26448	8.06	ug/L	0.00
32) Benzene-d6	5.76	84	78797	10.08	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	25937	10.13	ug/L	0.00
41) Toluene-d8	7.92	98	74389	9.95	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	15119	10.85	ug/L	0.00
47) 2-Hexanone-d5	8.65	63	28615	21.59	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	38314	9.66	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.20	152	30018	10.08	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.40	85	49781	16.168	ug/L 100
3) Chloromethane	1.54	50	43064	17.101	ug/L 98
5) Vinyl chloride	1.62	62	43160	15.640	ug/L 97
6) Bromomethane	1.87	94	19679	18.578	ug/L 94
8) Chloroethane	1.95	64	24395	15.089	ug/L 97
9) Trichlorofluoromethane	2.16	101	56060	13.305	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	36225	18.409	ug/L 99
12) 1,1-Dichloroethene	2.60	96	38222	21.496	ug/L 82
13) Acetone	2.66	43	44308	25.307	ug/L 97
14) Carbon disulfide	2.82	76	125480	24.891	ug/L 99
15) Methyl Acetate	2.98	43	50058	18.178	ug/L 99
16) Methylene chloride	3.08	84	43625	19.656	ug/L 97
17) trans-1,2-Dichloroethene	3.39	96	40359	21.664	ug/L 96
18) Methyl tert-butyl Ether	3.40	73	137715	19.143	ug/L 98
19) 1,1-Dichloroethane	3.91	63	74635	17.905	ug/L 97
20) cis-1,2-Dichloroethene	4.71	96	44081	19.563	ug/L # 94
22) 2-Butanone	4.75	43	70247	31.722	ug/L 96
23) Bromochloromethane	5.02	128	23190	20.408	ug/L 95
25) Chloroform	5.13	83	75382	16.723	ug/L 98
27) 1,2-Dichloroethane	5.83	62	60035	14.948	ug/L 97
29) Cyclohexane	5.42	56	65862	19.613	ug/L 98
30) 1,1,1-Trichloroethane	5.35	97	69992	18.564	ug/L 98
31) Carbon tetrachloride	5.56	117	59643	17.904	ug/L 99
33) Benzene	5.81	78	167026	19.949	ug/L 100
34) Trichloroethene	6.57	95	43983	20.216	ug/L 96
35) Methylcyclohexane	6.79	83	67441	20.475	ug/L 98
37) 1,2-Dichloropropane	6.82	63	44021	18.497	ug/L 98
38) Bromodichloromethane	7.13	83	60668	18.234	ug/L 96
39) cis-1,3-Dichloropropene	7.63	75	73861	20.016	ug/L 96
40) 4-Methyl-2-pentanone	7.82	43	139129	35.912	ug/L # 100

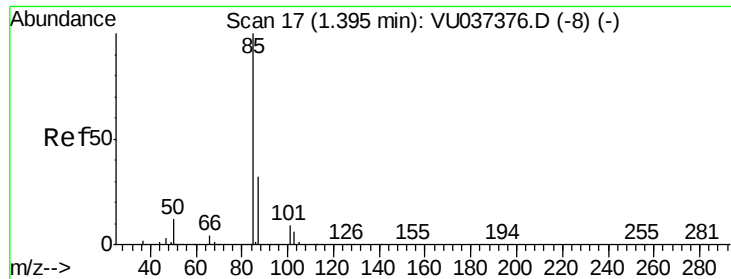
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032720\
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.99	91	179928	19.679	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	73770	21.173	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	43500	20.074	ug/L	97
46) Tetrachloroethene	8.57	164	32951	20.386	ug/L	96
48) 2-Hexanone	8.71	43	107945	35.356	ug/L	99
49) Dibromochloromethane	8.83	129	50923	19.974	ug/L	98
50) 1,2-Dibromoethane	8.95	107	48154	20.591	ug/L	100
51) Chlorobenzene	9.47	112	114306	19.879	ug/L	98
52) Ethylbenzene	9.59	91	201149	19.000	ug/L	99
53) m,p-Xylene	9.71	106	75178	20.077	ug/L	95
54) o-xylene	10.12	106	74960	20.262	ug/L	97
55) Styrene	10.13	104	132038	21.046	ug/L	99
56) Isopropylbenzene	10.50	105	196666	19.126	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	72983	18.451	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	60235	18.207	ug/L	98
61) Bromoform	10.31	173	41840	20.870	ug/L	98
62) 1,3-Dichlorobenzene	11.76	146	93474	20.546	ug/L	97
63) 1,4-Dichlorobenzene	11.85	146	93068	20.240	ug/L	97
65) 1,2-Dichlorobenzene	12.23	146	92063	19.812	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	21585	21.070	ug/L	98
67) 1,3,5-Trichlorobenzene	13.24	180	70919	21.389	ug/L	98
68) 1,2,4-trichlorobenzene	13.87	180	70790	27.342	ug/L	99
69) Naphthalene	14.11	128	239297	60.945	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	71071	26.158	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 16.168 ug/L

RT: 1.40 min Scan# 18

Delta R.T. 0.00 min

Lab File: VU037375.D

Acq: 27 Mar 2020 16:49

Instrument :

MSVOA_U

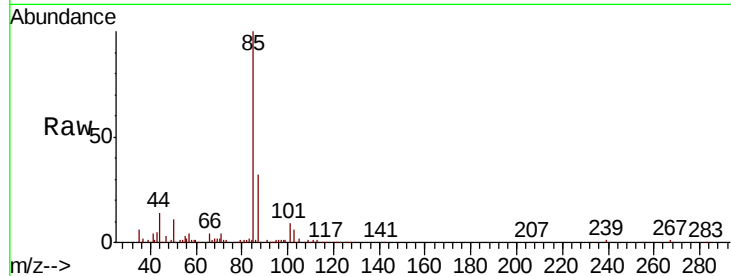
ClientSampled :

Tot Ion: 85 Resp: 49781

Ion Ratio Lower Upper

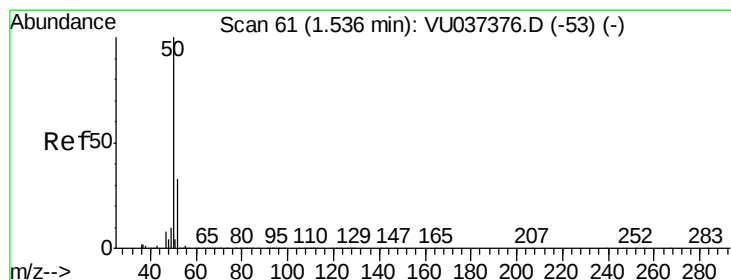
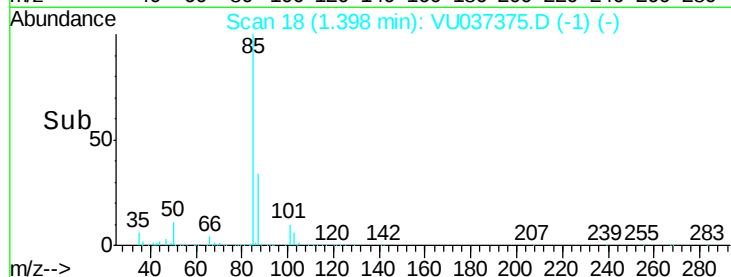
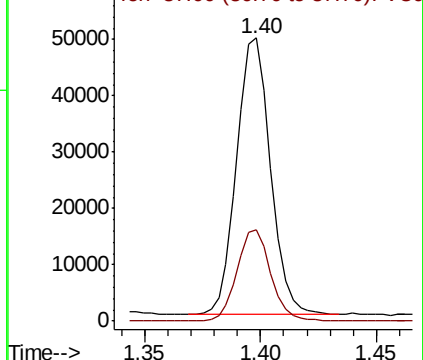
85 100

87 32.9 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 17.101 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU037375.D

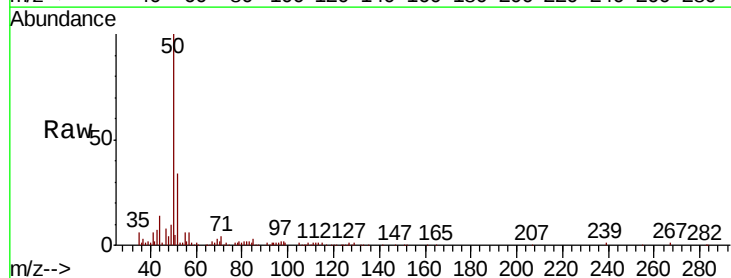
Acq: 27 Mar 2020 16:49

Tgt Ion: 50 Resp: 43064

Ion Ratio Lower Upper

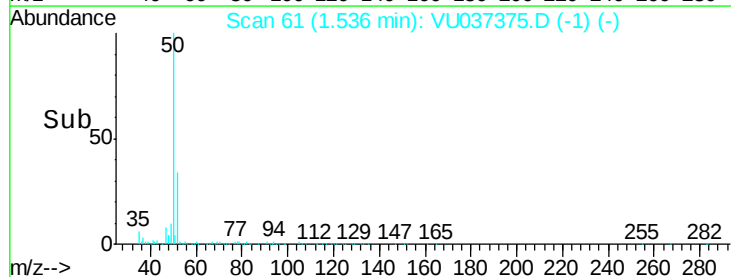
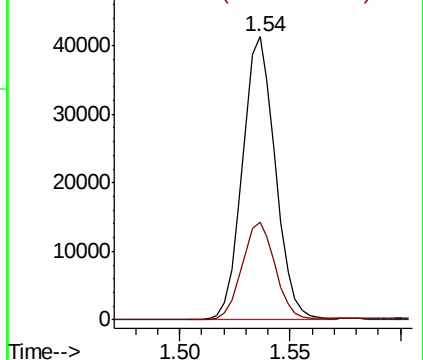
50 100

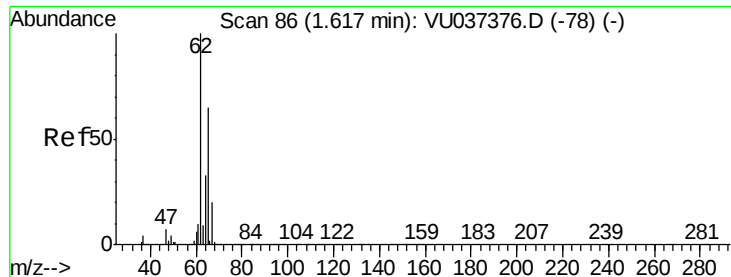
52 34.4 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 15.640 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU037375.D

Acq: 27 Mar 2020 16:49

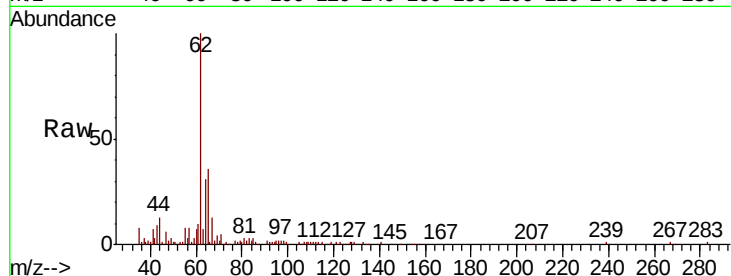
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 62 Resp: 43160

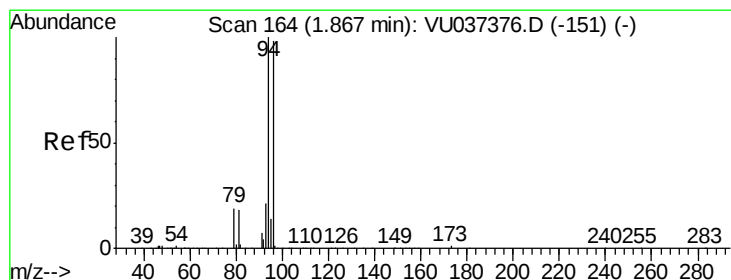
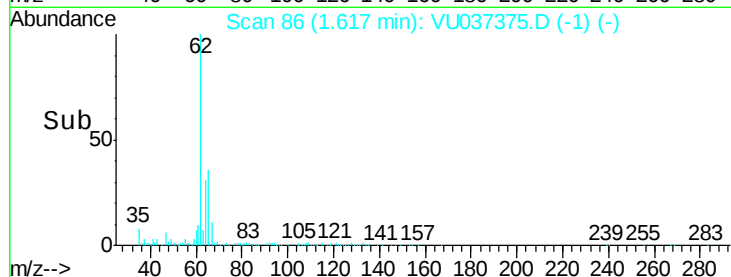
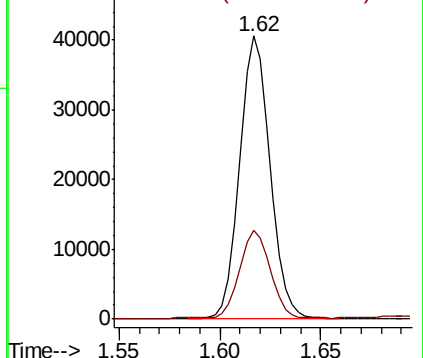
Ion Ratio Lower Upper

62 100

64 31.2 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: 18.578 ug/L

RT: 1.87 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU037375.D

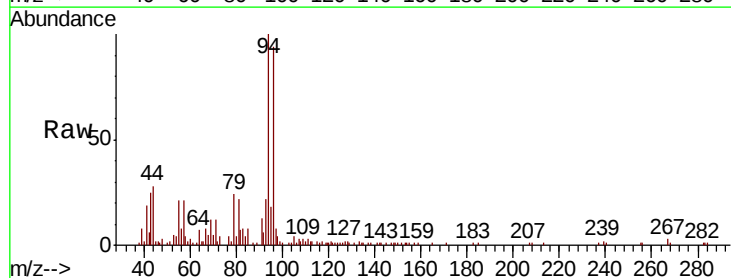
Acq: 27 Mar 2020 16:49

Tgt Ion: 94 Resp: 19679

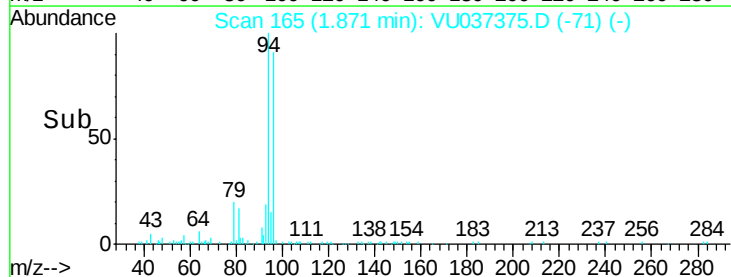
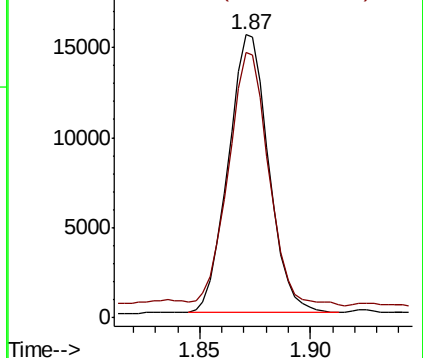
Ion Ratio Lower Upper

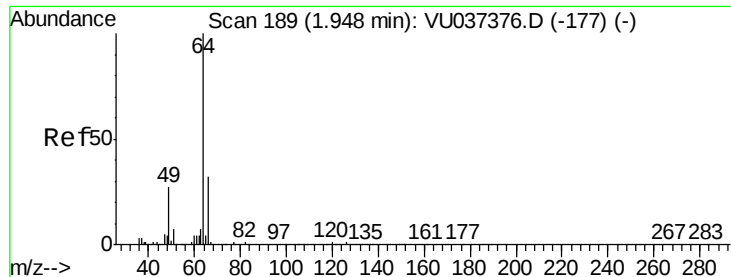
94 100

96 93.9 69.9 129.7



Abundance Ion 94.00 (93.70 to 94.70): VU0
Ion 96.00 (95.70 to 96.70): VU0

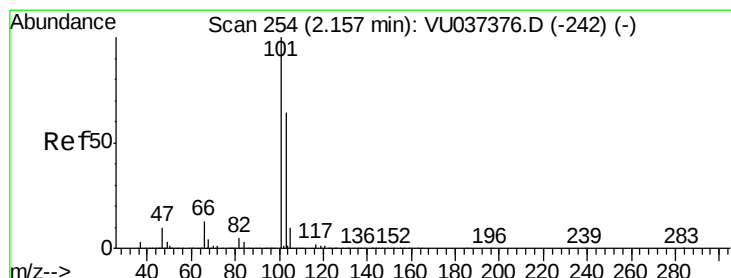
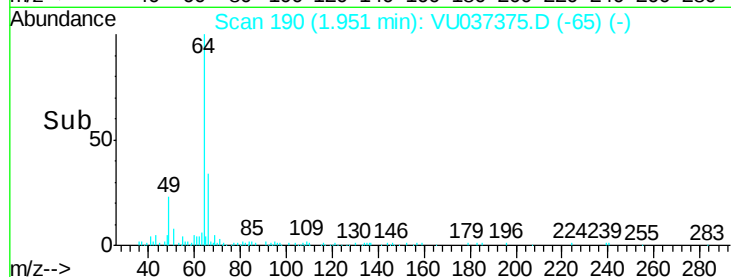
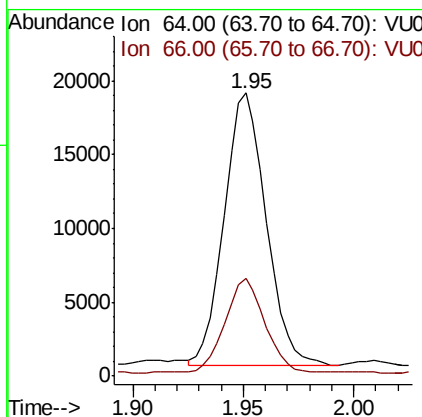
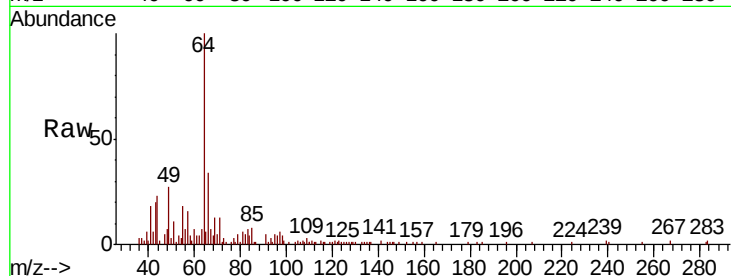




#8
Chloroethane
Concen: 15.089 ug/L
RT: 1.95 min Scan# 190
Delta R.T. 0.00 min
Lab File: VU037375.D
Acq: 27 Mar 2020 16:49

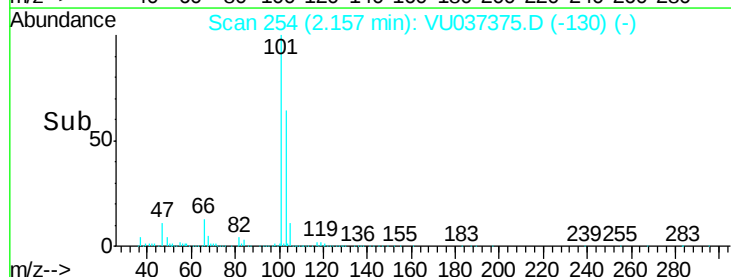
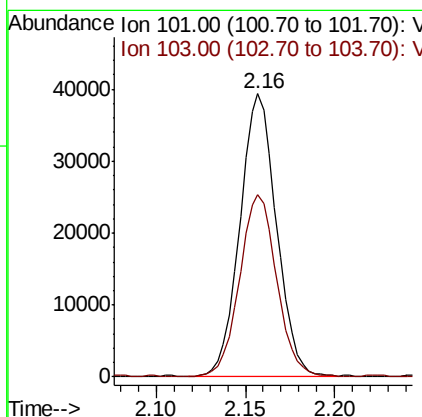
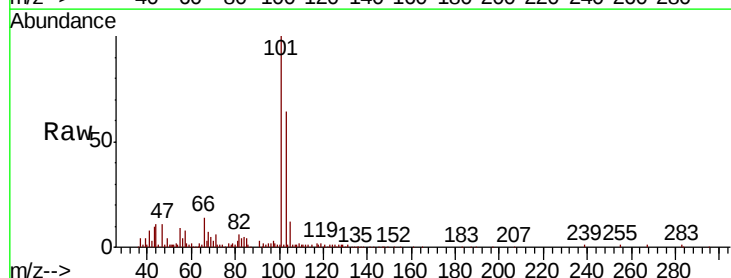
Instrument :
MSVOA_U
ClientSampleId :

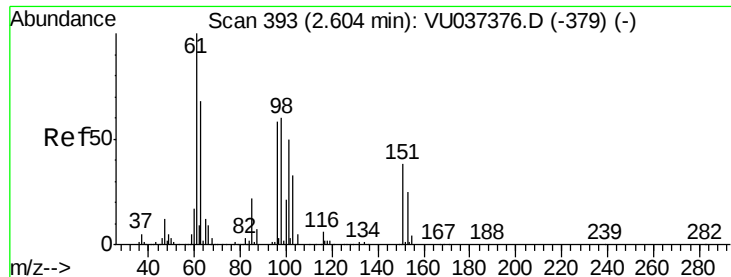
Tot Ion: 64 Resp: 24395
Ion Ratio Lower Upper
64 100
66 34.3 22.8 42.4



#9
Trichlorofluoromethane
Concen: 13.305 ug/L
RT: 2.16 min Scan# 254
Delta R.T. 0.00 min
Lab File: VU037375.D
Acq: 27 Mar 2020 16:49

Tgt Ion: 101 Resp: 56060
Ion Ratio Lower Upper
101 100
103 65.4 51.8 77.8





#10

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

Concen: 18.409 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037375.D

Acq: 27 Mar 2020 16:49

Instrument :

MSVOA_U

ClientSampled :

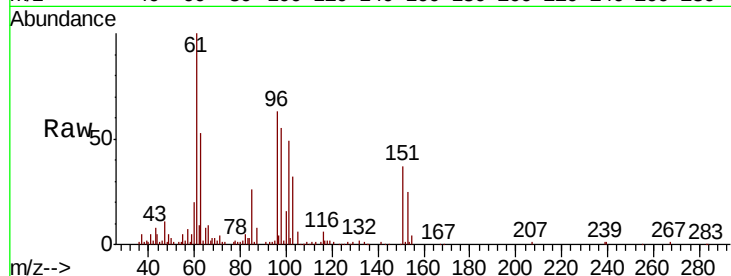
Tot Ion:101 Resp: 36225

Ion Ratio Lower Upper

101 100

85 45.2 35.6 53.4

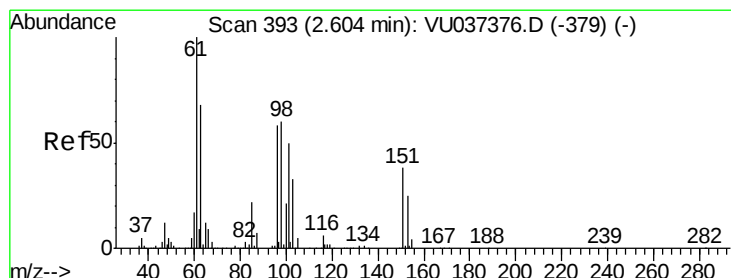
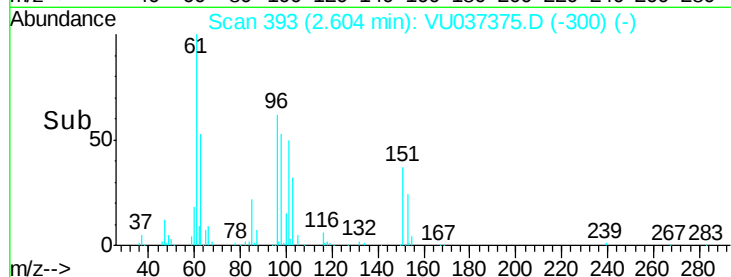
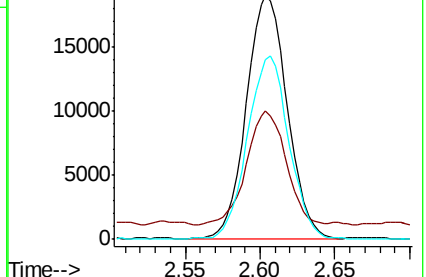
151 75.8 60.2 90.4



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: 21.496 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037375.D

Acq: 27 Mar 2020 16:49

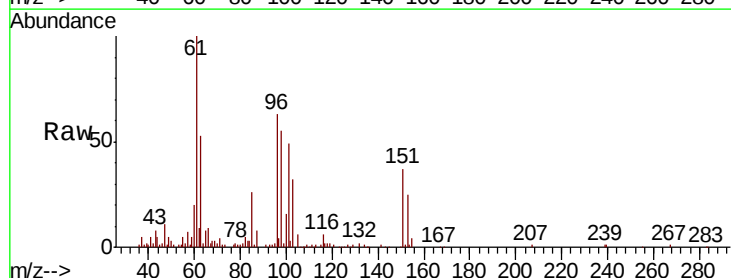
Tgt Ion: 96 Resp: 38222

Ion Ratio Lower Upper

96 100

61 158.4 120.0 222.8

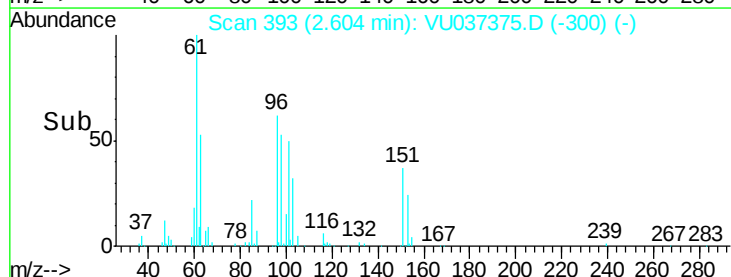
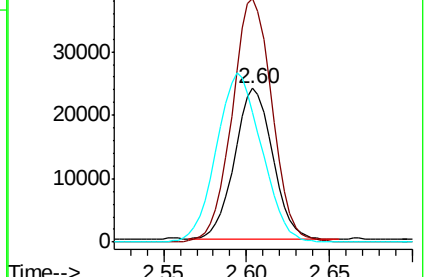
63 84.5 83.3 154.7

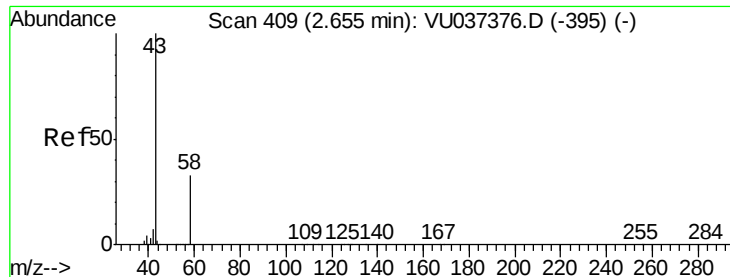


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 25.307 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU037375.D

Acq: 27 Mar 2020 16:49

Instrument :

MSVOA_U

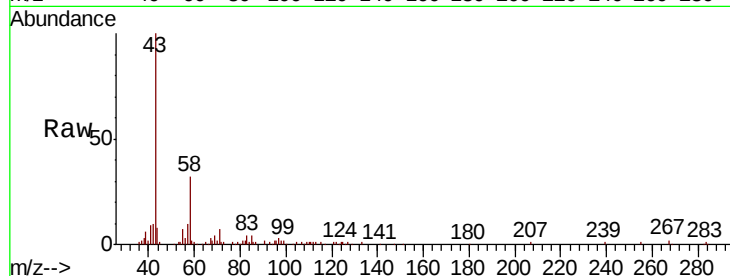
ClientSampleId :

Tot Ion: 43 Resp: 44308

Ion Ratio Lower Upper

43 100

58 33.1 0.0 62.8



Abundance Ion 43.00 (42.70 to 43.70): VU037375.D (-316) (-)

Ion 58.00 (57.70 to 58.70): VU037375.D (-316) (-)

2.66

30000

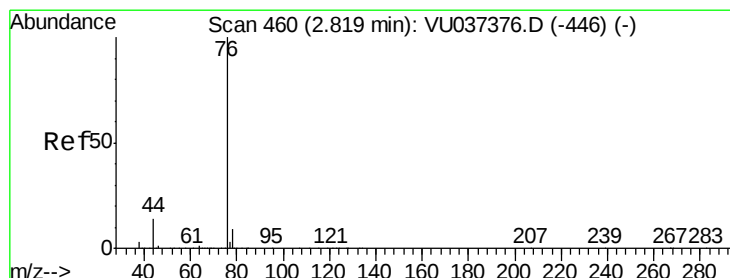
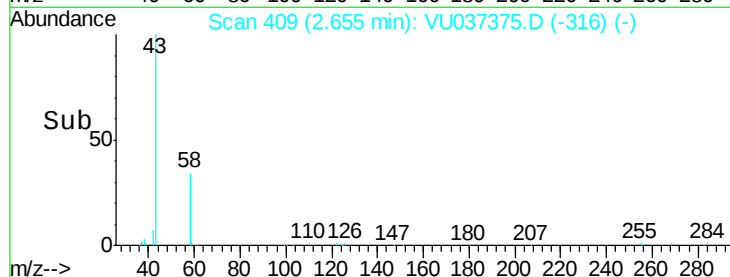
20000

10000

0

2.60 2.65 2.70

Time-->



#14

Carbon disulfide

Concen: 24.891 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU037375.D

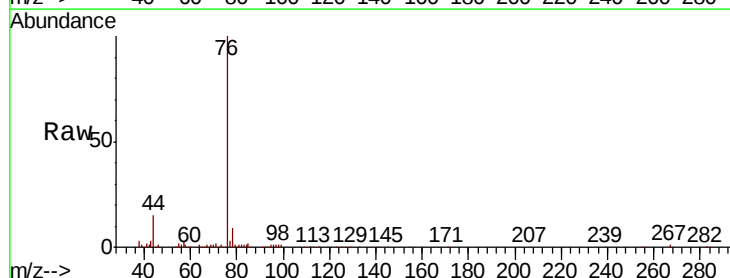
Acq: 27 Mar 2020 16:49

Tgt Ion: 76 Resp: 125480

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU037375.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VU037375.D (-367) (-)

2.82

80000

60000

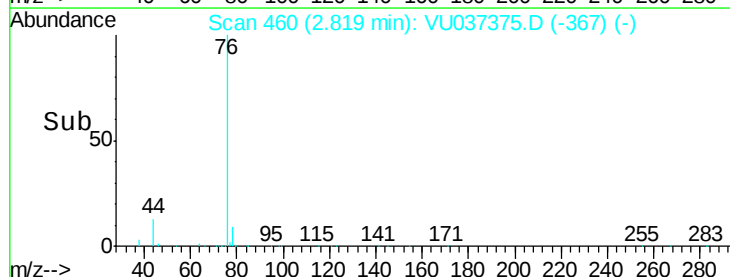
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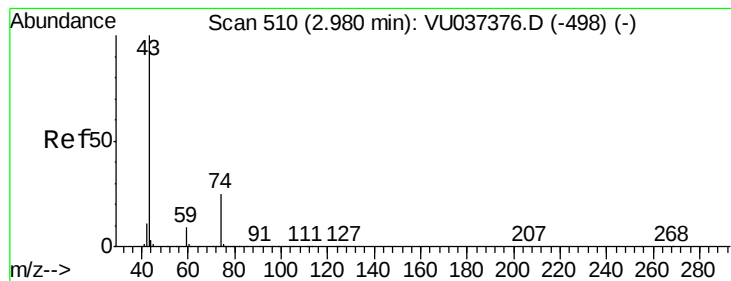
20000

0

2.75 2.80 2.85 2.90

Time-->





#15

Methyl Acetate

Concen: 18.178 ug/L

RT: 2.98 min Scan# 511

Delta R.T. 0.00 min

Lab File: VU037375.D

Acq: 27 Mar 2020 16:49

Instrument :

MSVOA_U

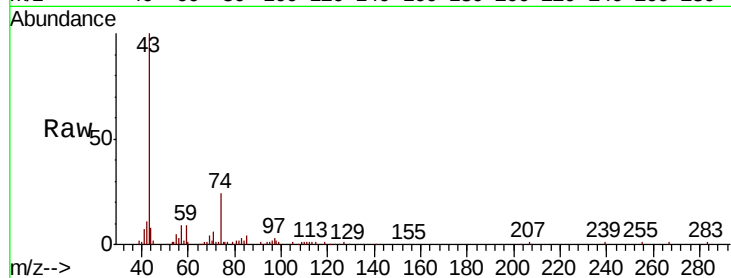
ClientSampleId :

Tot Ion: 43 Resp: 50058

Ion Ratio Lower Upper

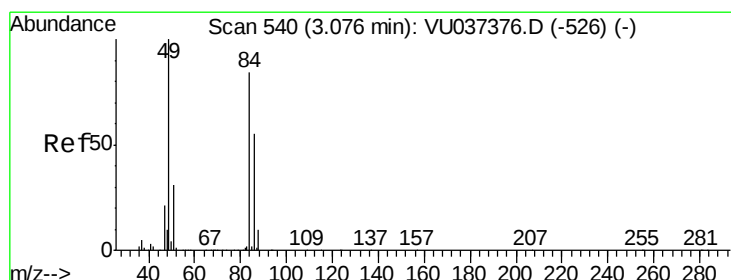
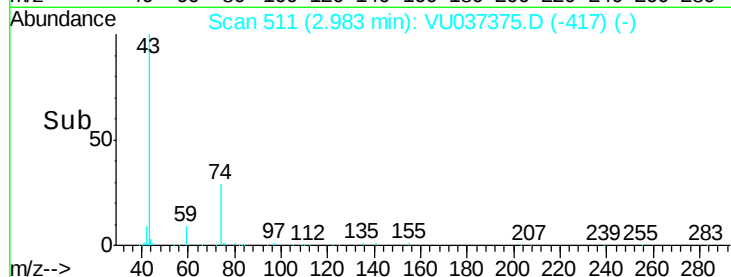
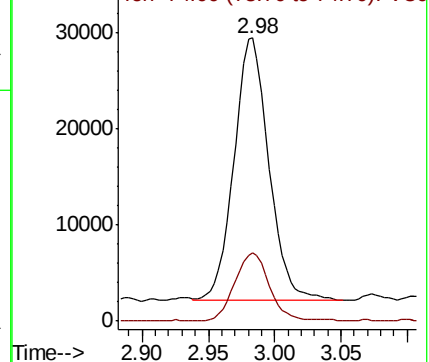
43 100

74 25.6 20.1 30.1



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



#16

Methylene chloride

Concen: 19.656 ug/L

RT: 3.08 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU037375.D

Acq: 27 Mar 2020 16:49

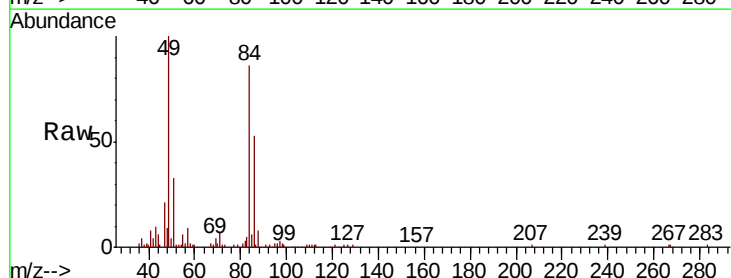
Tgt Ion: 84 Resp: 43625

Ion Ratio Lower Upper

84 100

86 61.2 45.9 85.3

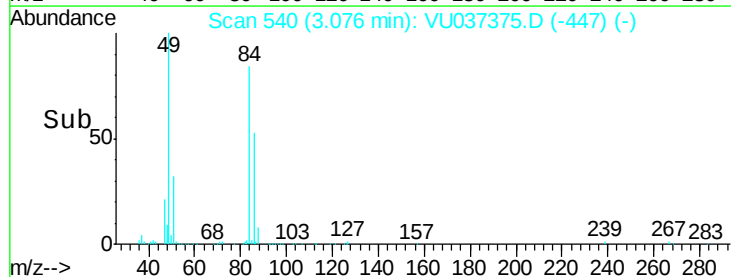
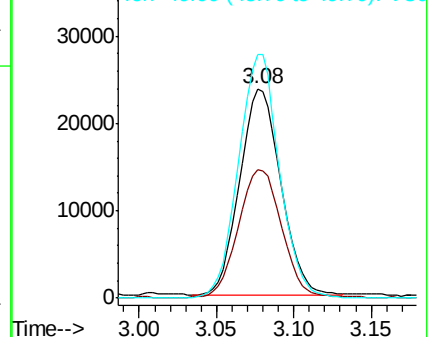
49 116.2 82.7 153.5

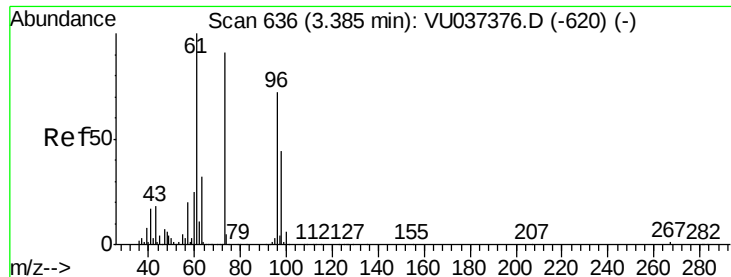


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.00 (48.70 to 49.70): VU0





#17

trans-1,2-Dichloroethene

Concen: 21.664 ug/L

RT: 3.39 min Scan# 637

Delta R.T. 0.00 min

Lab File: VU037375.D

Acq: 27 Mar 2020 16:49

Instrument :
MSVOA_U
ClientSampleId :

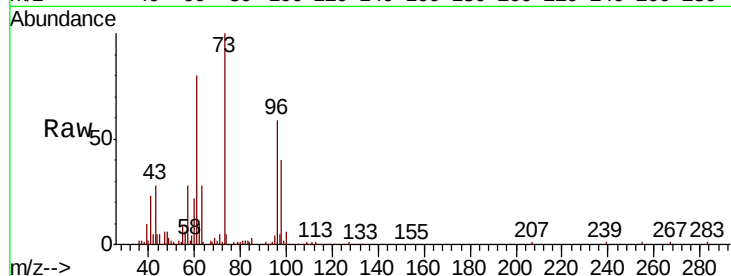
Tot Ion: 96 Resp: 40359

Ion Ratio Lower Upper

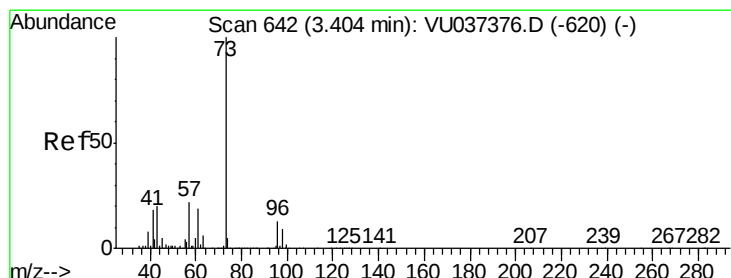
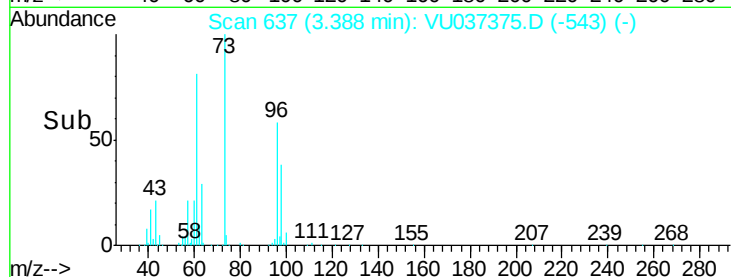
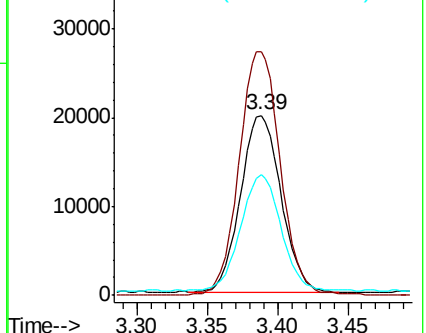
96 100

61 135.3 96.6 179.4

98 67.0 43.4 80.6



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0



#18

Methyl tert-butyl Ether

Concen: 19.143 ug/L

RT: 3.40 min Scan# 642

Delta R.T. 0.00 min

Lab File: VU037375.D

Acq: 27 Mar 2020 16:49

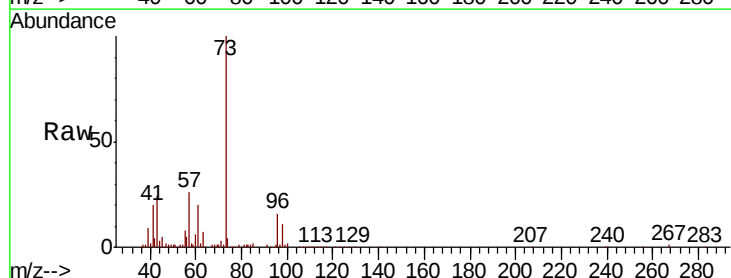
Tgt Ion: 73 Resp: 137715

Ion Ratio Lower Upper

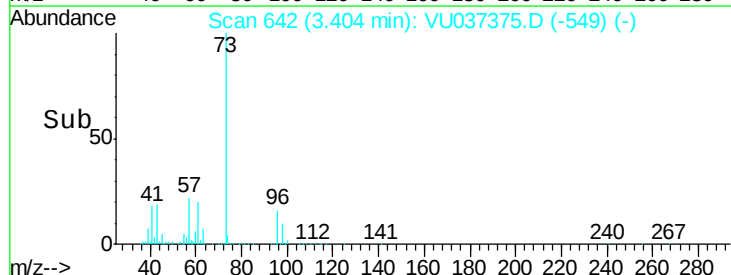
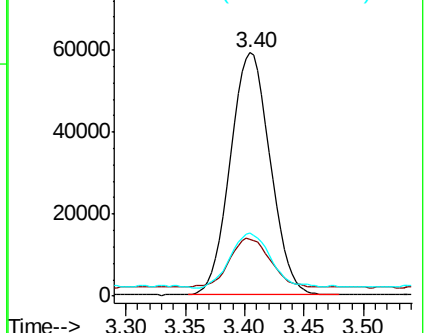
73 100

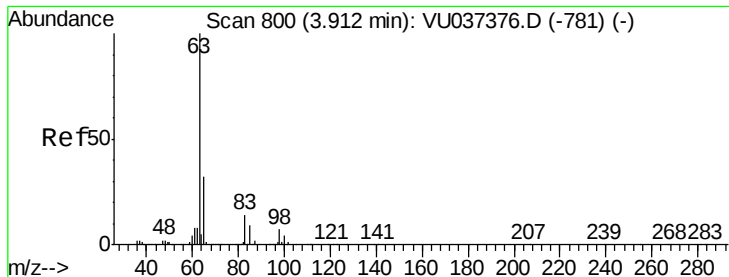
43 20.5 16.2 24.4

57 23.3 17.3 25.9



Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0





#19

1,1-Dichloroethane

Concen: 17.905 ug/L

RT: 3.91 min Scan# 800

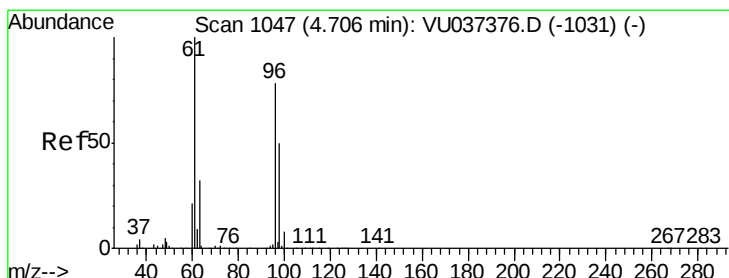
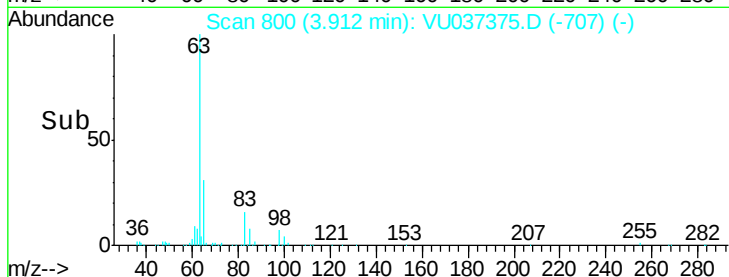
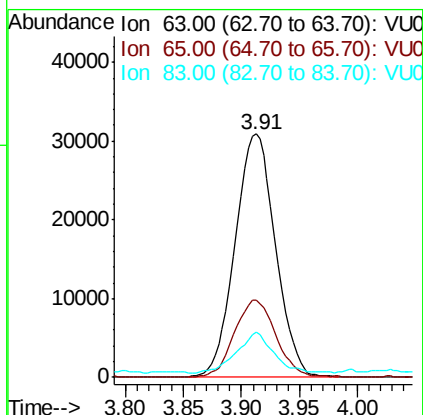
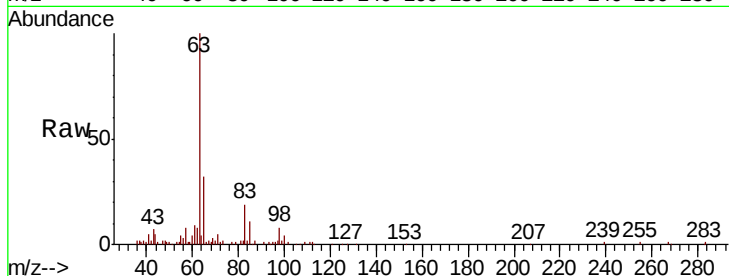
Delta R.T. 0.00 min

Lab File: VU037375.D

Acq: 27 Mar 2020 16:49

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	63	Resp:	74635
Ion	Ratio	Lower	Upper
63	100		
65	31.7	22.4	41.6
83	18.7	10.6	19.6



#20

cis-1,2-Dichloroethene

Concen: 19.563 ug/L

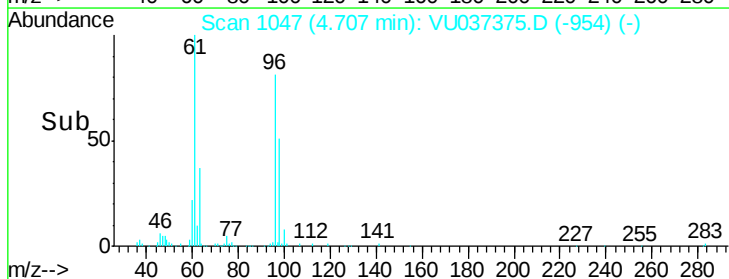
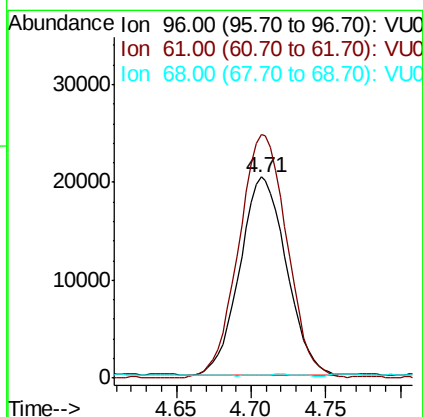
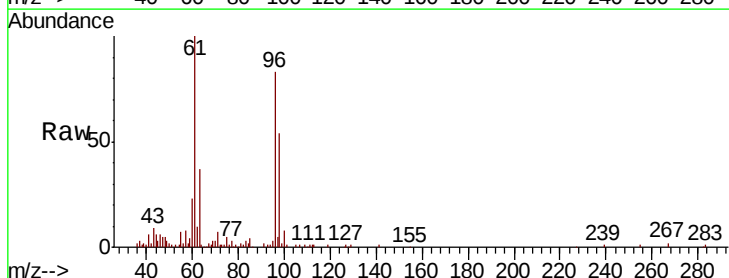
RT: 4.71 min Scan# 1047

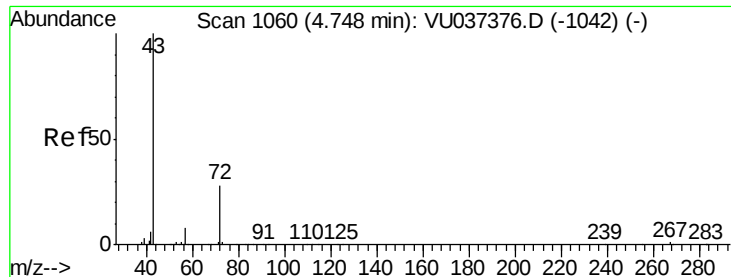
Delta R.T. 0.00 min

Lab File: VU037375.D

Acq: 27 Mar 2020 16:49

Tgt Ion:	96	Resp:	44081
Ion	Ratio	Lower	Upper
96	100		
61	121.1	89.4	166.0
68	1.7	0.3	0.7#





#22

2-Butanone

Concen: 31.722 ug/L

RT: 4.75 min Scan# 1060

Delta R.T. 0.00 min

Lab File: VU037375.D

Acq: 27 Mar 2020 16:49

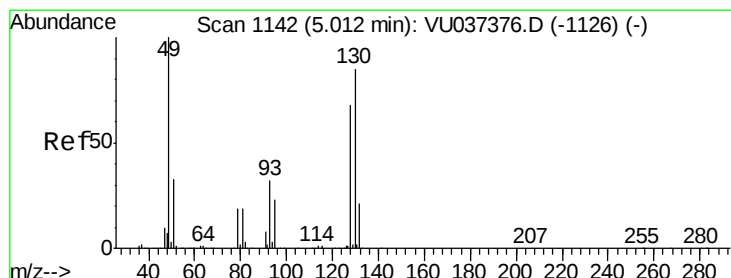
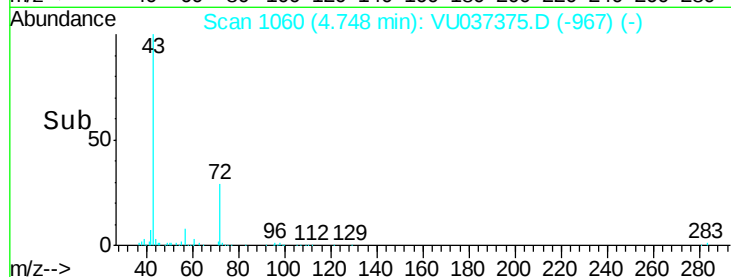
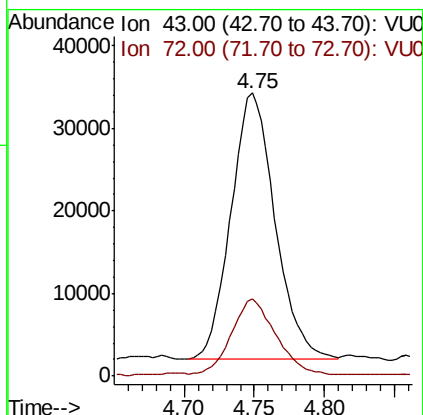
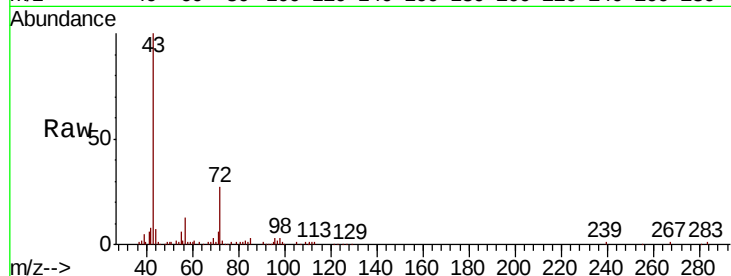
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 70247

Ion Ratio Lower Upper

43 100

72 30.1 14.1 42.2



#23

Bromochloromethane

Concen: 20.408 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU037375.D

Acq: 27 Mar 2020 16:49

Tgt Ion: 128 Resp: 23190

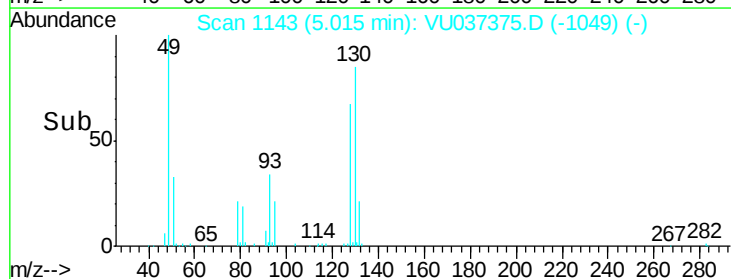
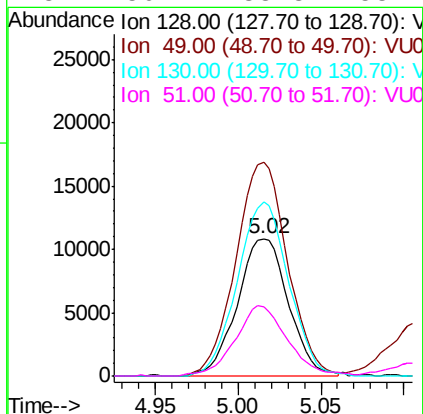
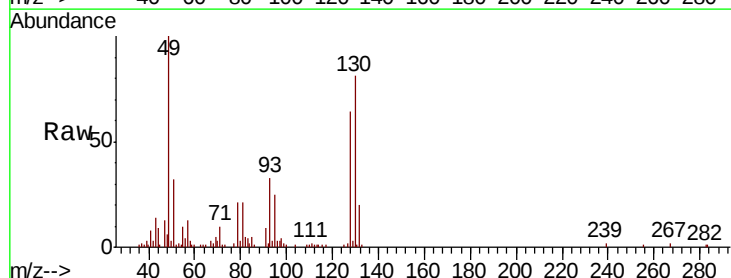
Ion Ratio Lower Upper

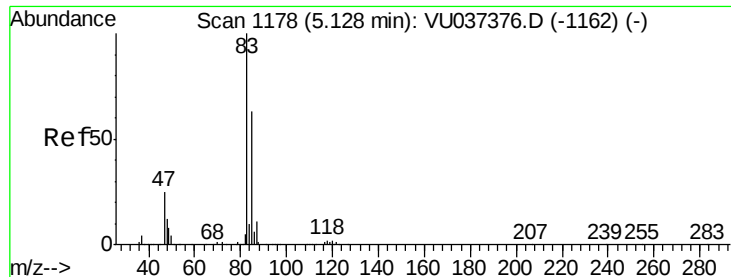
128 100

49 155.8 102.6 190.6

130 129.0 86.7 161.1

51 50.2 38.8 58.2

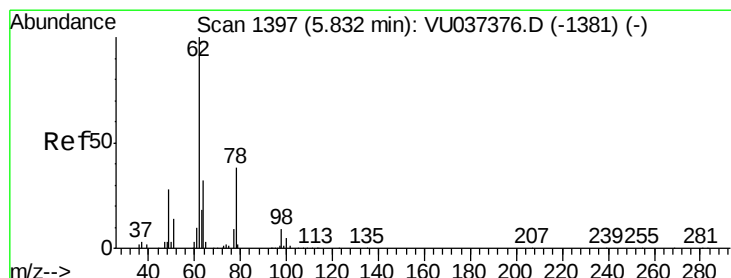
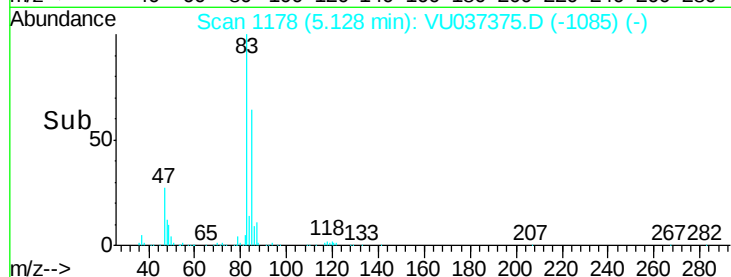
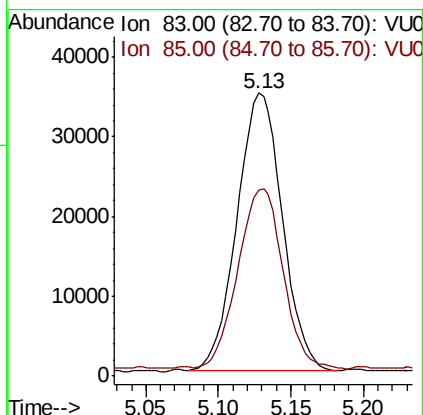
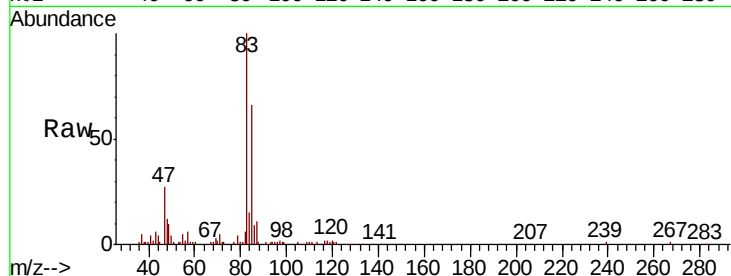




#25
Chloroform
Concen: 16.723 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU037375.D
Acq: 27 Mar 2020 16:49

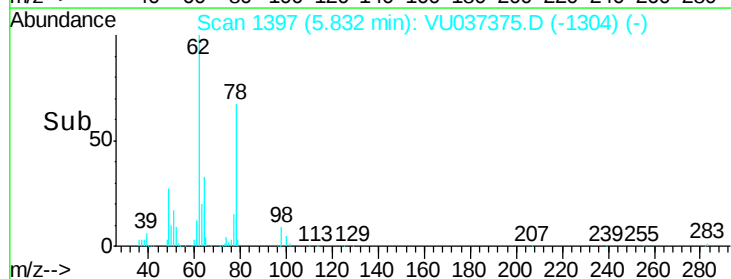
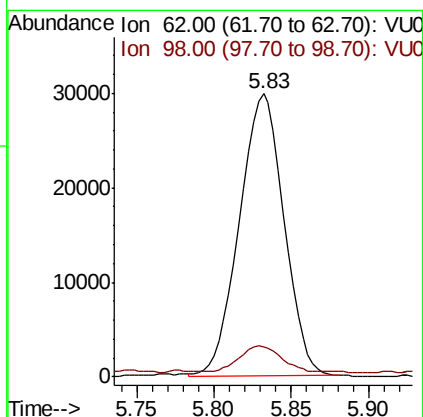
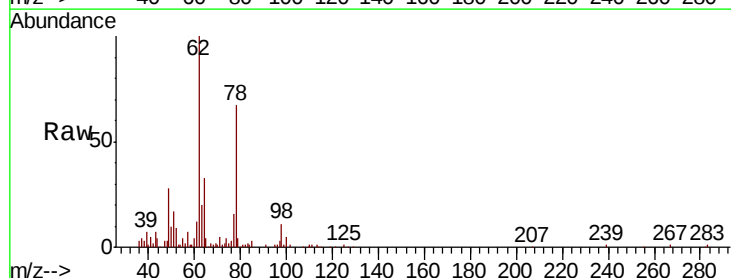
Instrument :
MSVOA_U
ClientSampleId :

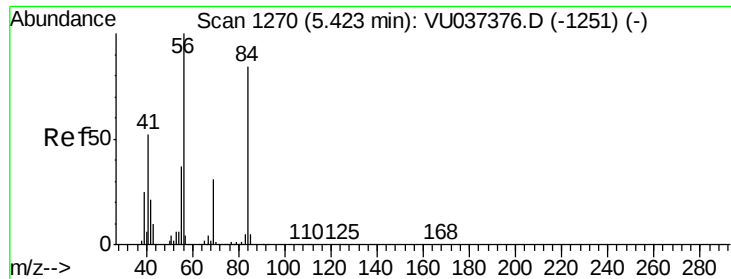
Tot Ion: 83 Resp: 75382
Ion Ratio Lower Upper
83 100
85 65.7 45.1 83.7



#27
1,2-Dichloroethane
Concen: 14.948 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VU037375.D
Acq: 27 Mar 2020 16:49

Tgt Ion: 62 Resp: 60035
Ion Ratio Lower Upper
62 100
98 10.6 7.7 11.5

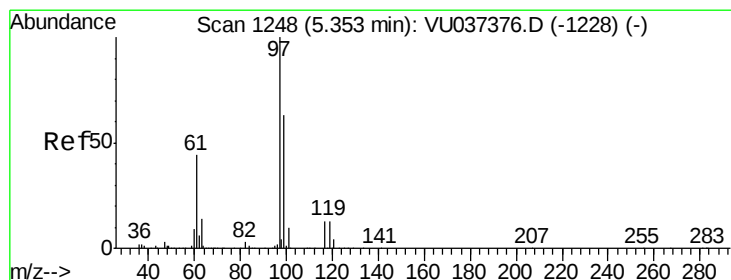
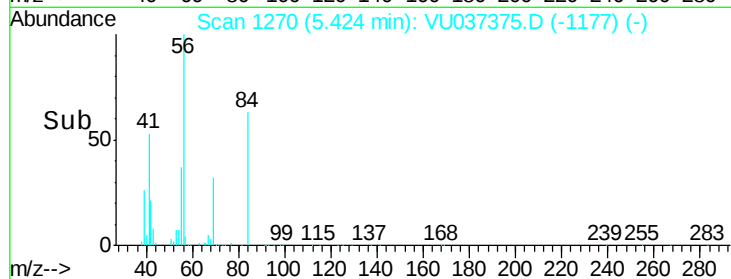
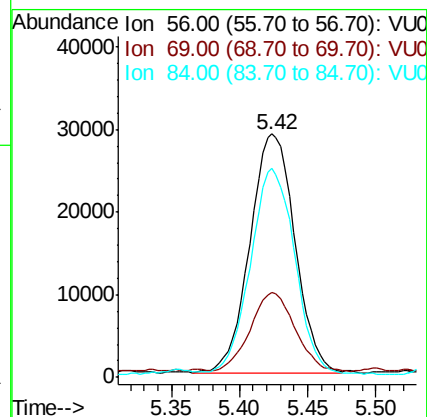
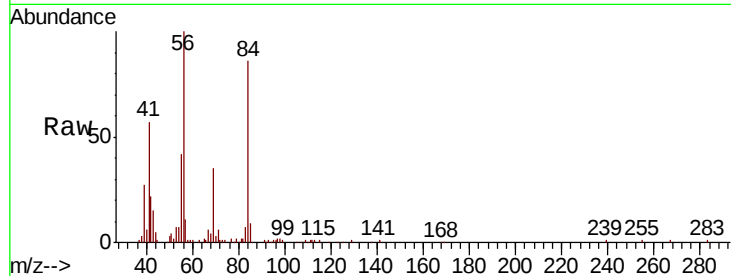




#29
Cyclohexane
Concen: 19.613 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VU037375.D
Acq: 27 Mar 2020 16:49

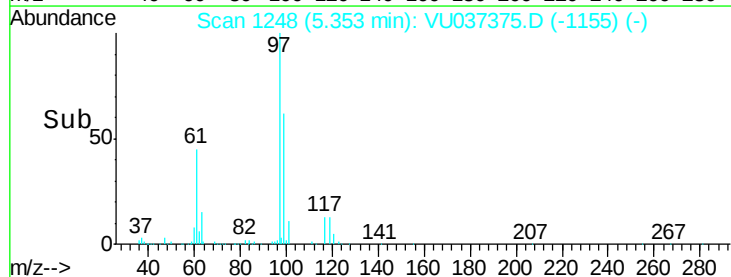
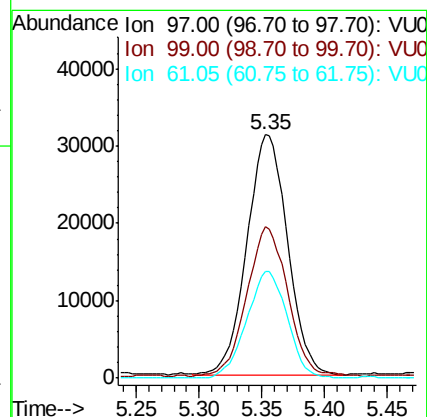
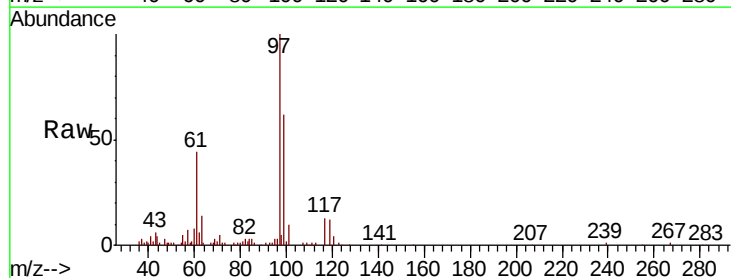
Instrument :
MSVOA_U
ClientSampleId :

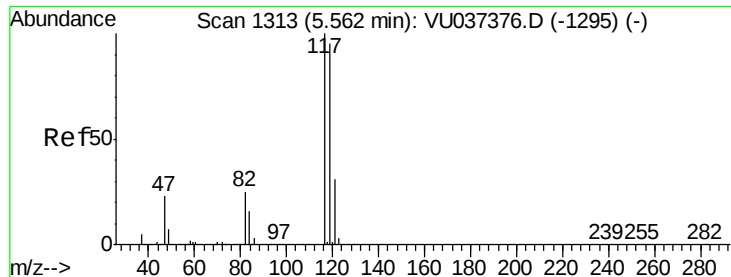
Tot Ion: 56 Resp: 65862
Ion Ratio Lower Upper
56 100
69 33.1 25.8 38.6
84 85.6 70.1 105.1



#30
1,1,1-Trichloroethane
Concen: 18.564 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VU037375.D
Acq: 27 Mar 2020 16:49

Tgt Ion: 97 Resp: 69992
Ion Ratio Lower Upper
97 100
99 62.5 51.4 77.0
61 44.3 35.1 52.7

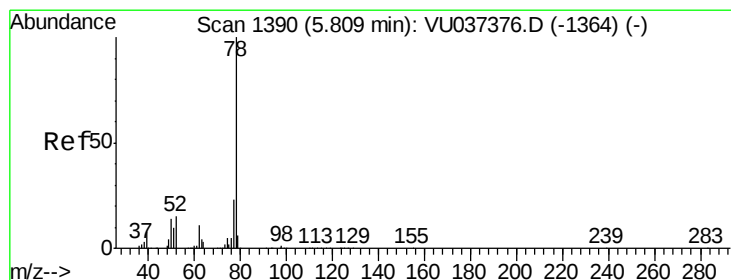
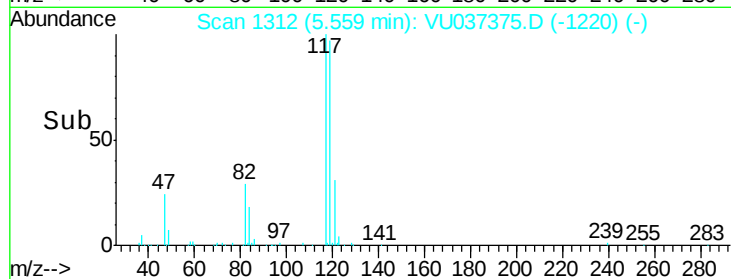
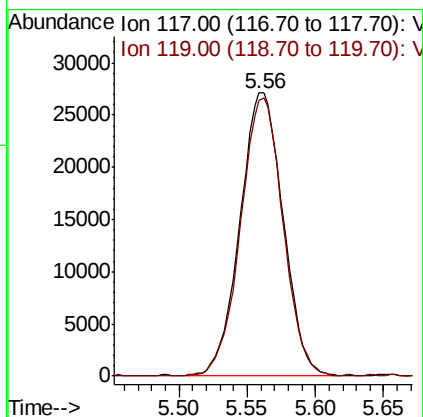
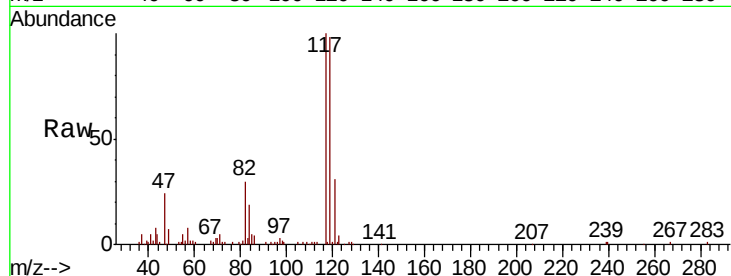




#31
Carbon tetrachloride
Concen: 17.904 ug/L
RT: 5.56 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU037375.D
Acq: 27 Mar 2020 16:49

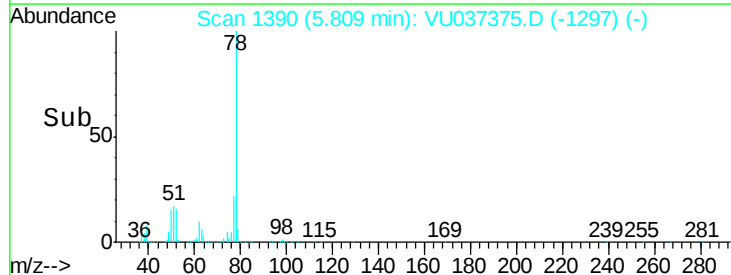
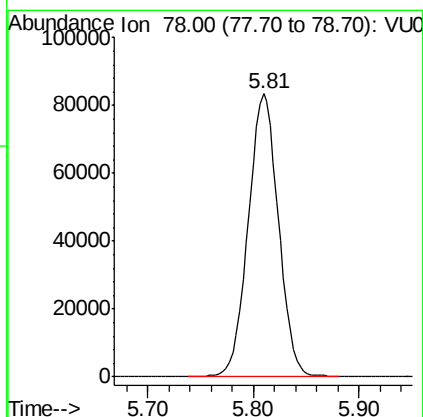
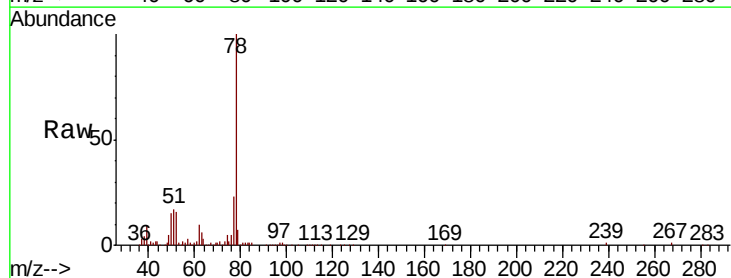
Instrument :
MSVOA_U
ClientSampleId :

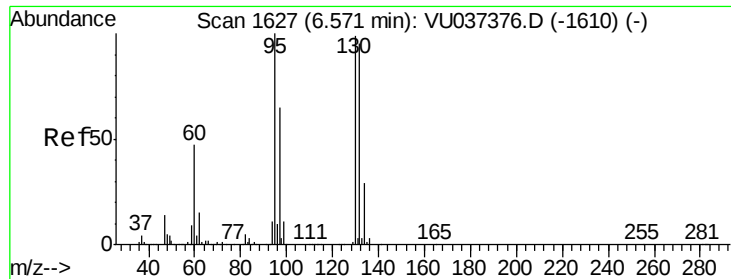
Tot Ion:117 Resp: 59643
Ion Ratio Lower Upper
117 100
119 96.4 77.7 116.5



#33
Benzene
Concen: 19.949 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU037375.D
Acq: 27 Mar 2020 16:49

Tgt Ion: 78 Resp: 167026

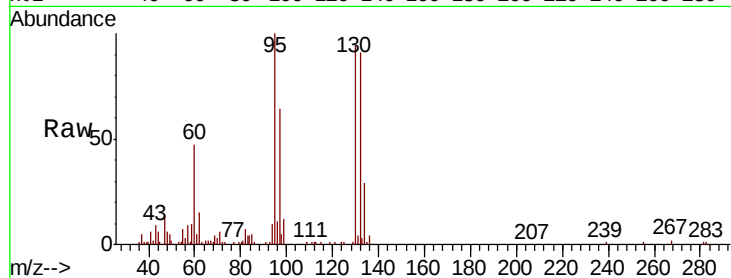




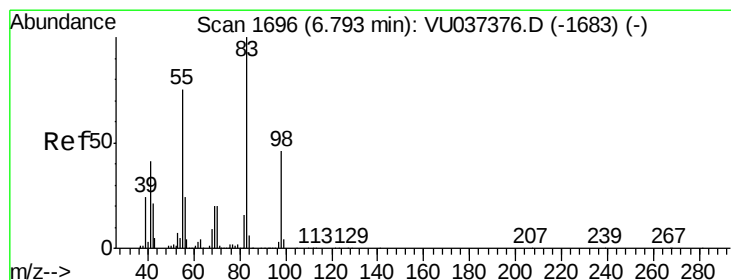
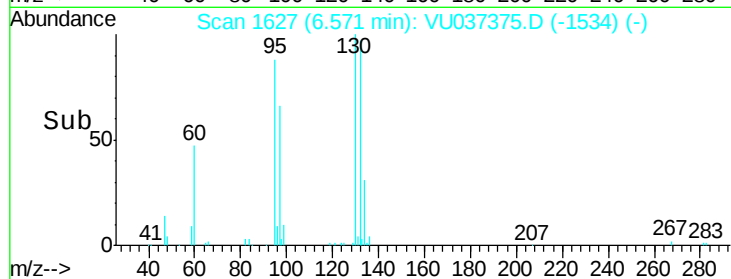
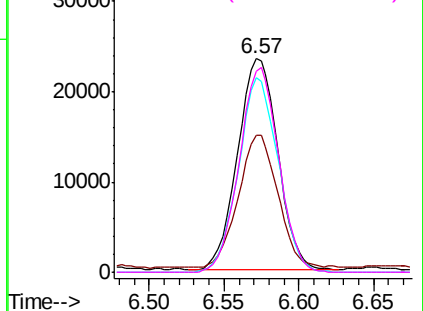
#34
 Trichloroethene
 Concen: 20.216 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU037375.D
 Acq: 27 Mar 2020 16:49

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 43983
 Ion Ratio Lower Upper
 95 100
 97 64.4 46.1 85.5
 132 90.8 66.3 123.1
 130 93.8 69.0 128.1

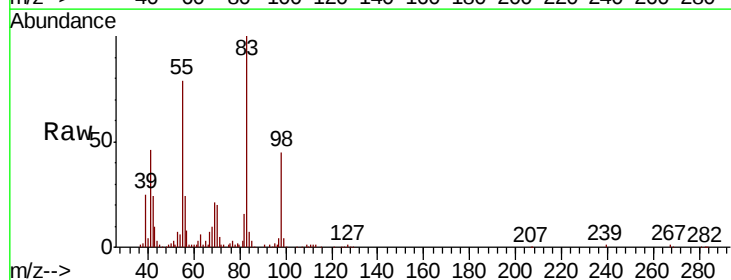


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

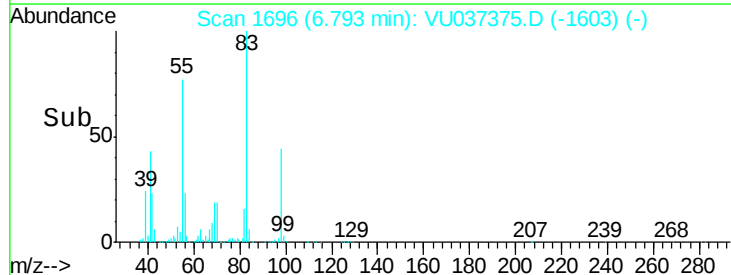
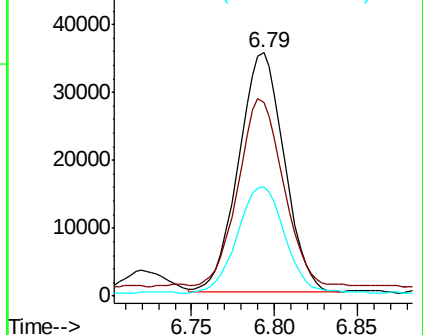


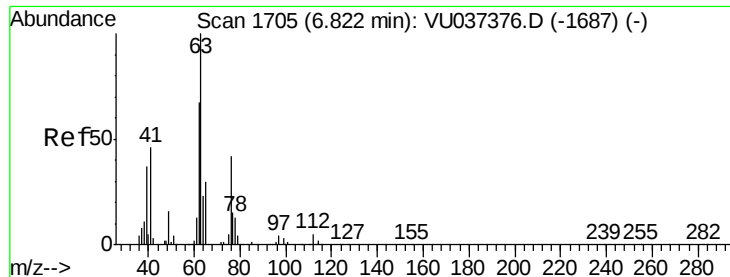
#35
 Methylcyclohexane
 Concen: 20.475 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. 0.00 min
 Lab File: VU037375.D
 Acq: 27 Mar 2020 16:49

Tgt Ion: 83 Resp: 67441
 Ion Ratio Lower Upper
 83 100
 55 78.3 60.1 90.1
 98 46.4 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: 18.497 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. 0.00 min

Lab File: VU037375.D

Acq: 27 Mar 2020 16:49

Instrument :

MSVOA_U

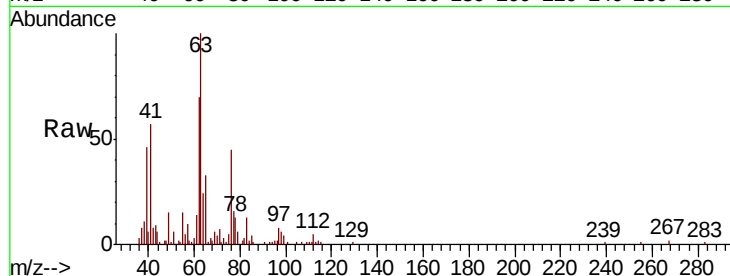
ClientSampled :

Tot Ion: 63 Resp: 44021

Ion Ratio Lower Upper

63 100

112 3.5 3.4 5.0



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V

6.82

25000

20000

15000

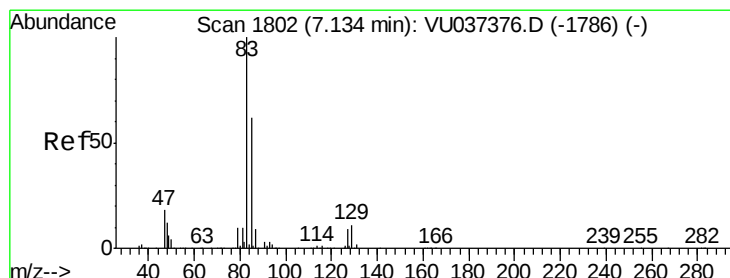
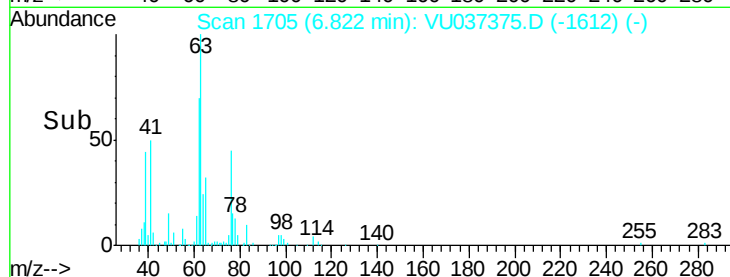
10000

5000

0

6.75 6.80 6.85 6.90

Time-->



#38

Bromodichloromethane

Concen: 18.234 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VU037375.D

Acq: 27 Mar 2020 16:49

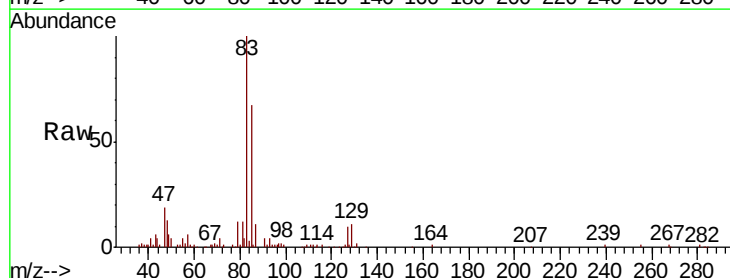
Tgt Ion: 83 Resp: 60668

Ion Ratio Lower Upper

83 100

85 67.0 44.2 82.2

127 9.7 7.8 11.6



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 127.00 (126.70 to 127.70): V

7.13

40000

30000

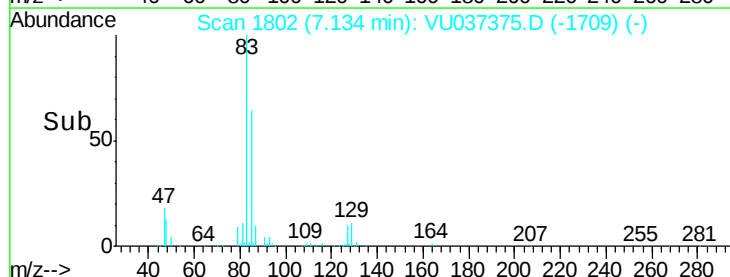
20000

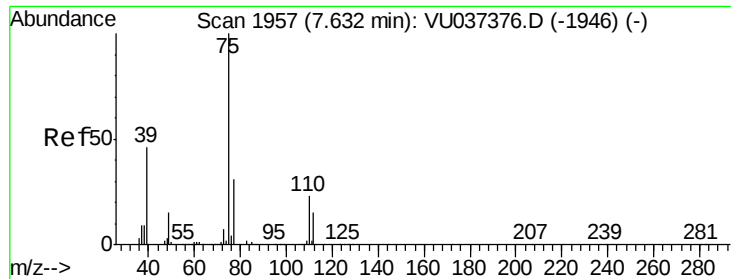
10000

0

7.05 7.10 7.15 7.20

Time-->

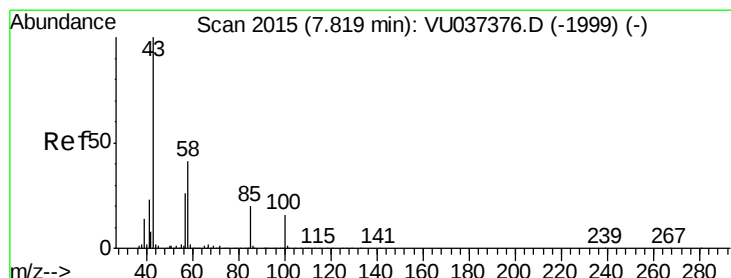
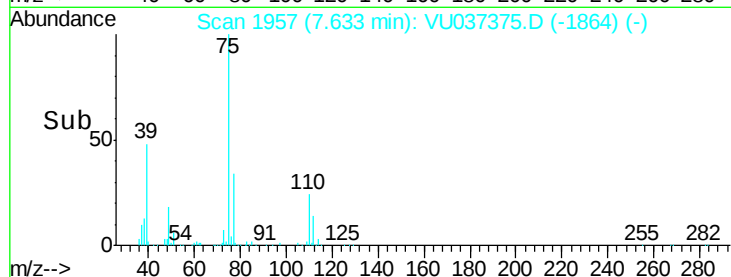
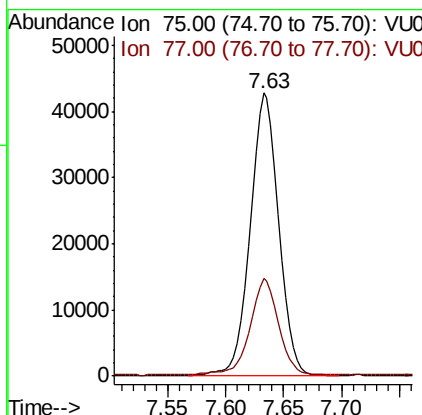
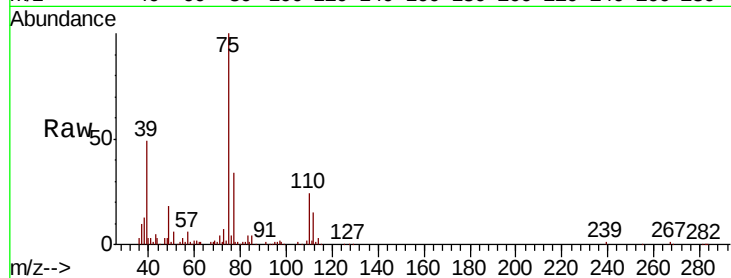




#39
 cis-1,3-Dichloropropene
 Concen: 20.016 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU037375.D
 Acq: 27 Mar 2020 16:49

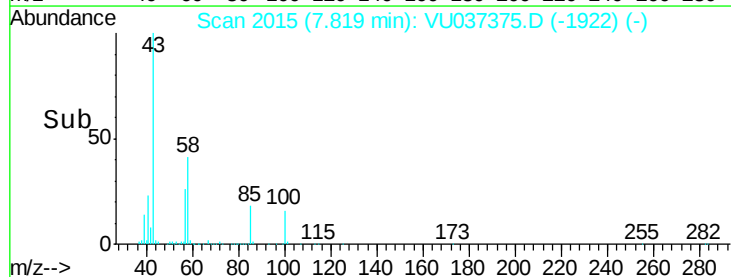
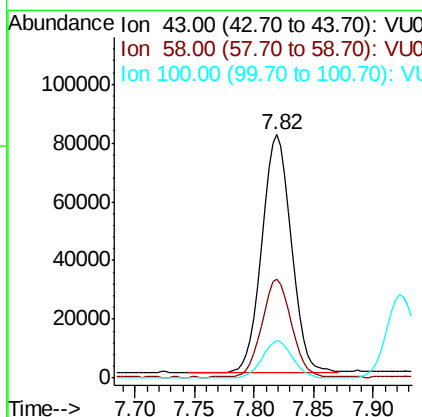
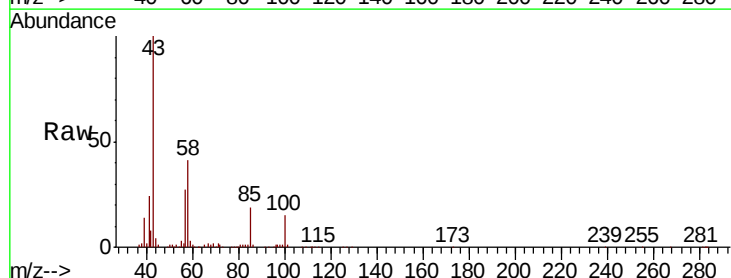
Instrument :
 MSVOA_U
 ClientSampleId :

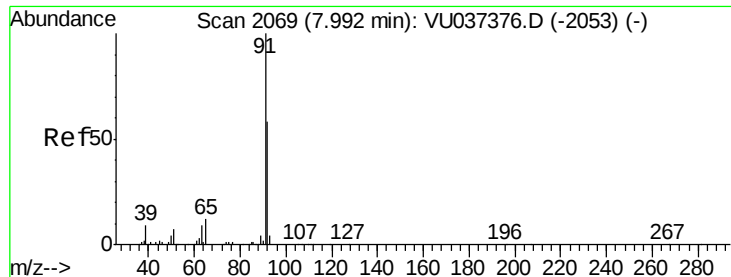
Tot Ion: 75 Resp: 73861
 Ion Ratio Lower Upper
 75 100
 77 34.3 22.5 41.9



#40
 4-Methyl-2-pentanone
 Concen: 35.912 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. 0.00 min
 Lab File: VU037375.D
 Acq: 27 Mar 2020 16:49

Tgt Ion: 43 Resp: 139129
 Ion Ratio Lower Upper
 43 100
 58 41.0 0.0 0.0#
 100 16.0 0.0 0.0#





#42

Toluene

Concen: 19.679 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU037375.D

Acq: 27 Mar 2020 16:49

Instrument :

MSVOA_U

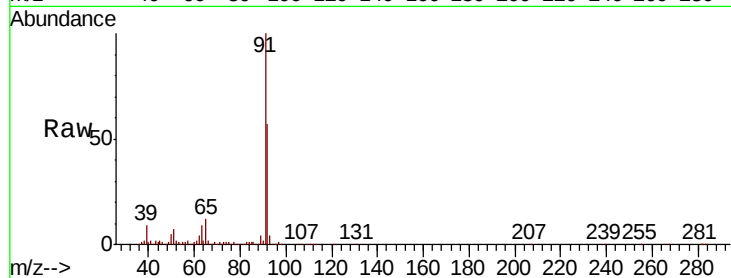
ClientSampleId :

Tot Ion: 91 Resp: 179928

Ion Ratio Lower Upper

91 100

92 57.4 40.9 75.9



Abundance Ion 91.00 (90.70 to 91.70): VU037375.D (-1976) (-)

Ion 92.00 (91.70 to 92.70): VU037375.D (-1976) (-)

120000

100000

80000

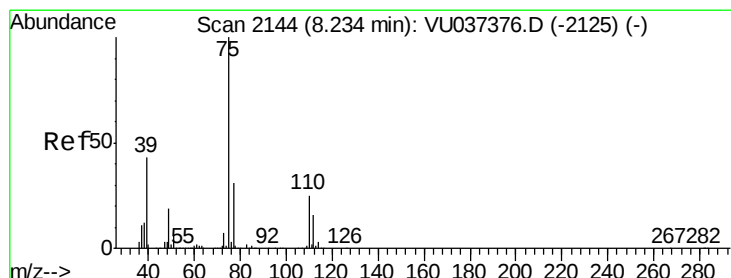
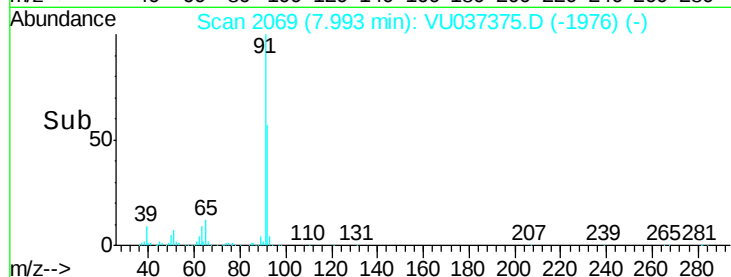
60000

40000

20000

0

Time--> 7.90 7.95 8.00 8.05



#44

trans-1,3-Dichloropropene

Concen: 21.173 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU037375.D

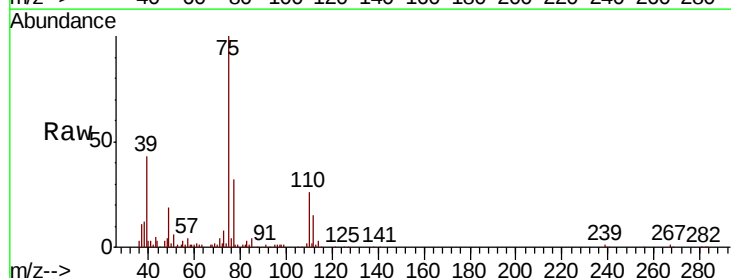
Acq: 27 Mar 2020 16:49

Tgt Ion: 75 Resp: 73770

Ion Ratio Lower Upper

75 100

77 31.9 21.9 40.7



Abundance Ion 75.00 (74.70 to 75.70): VU037375.D (-2051) (-)

Ion 77.00 (76.70 to 77.70): VU037375.D (-2051) (-)

50000

40000

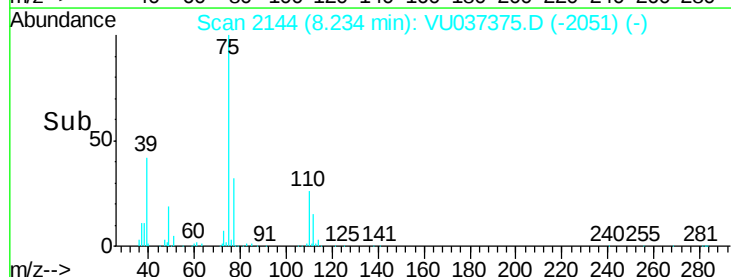
30000

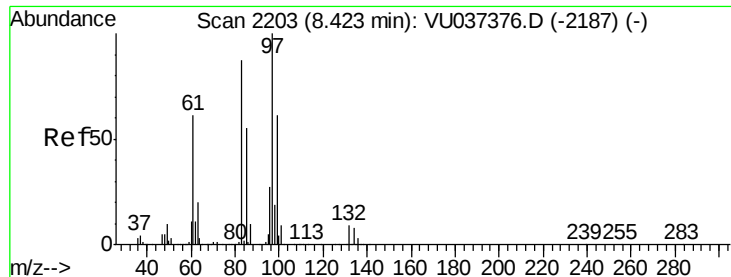
20000

10000

0

Time--> 8.15 8.20 8.25 8.30

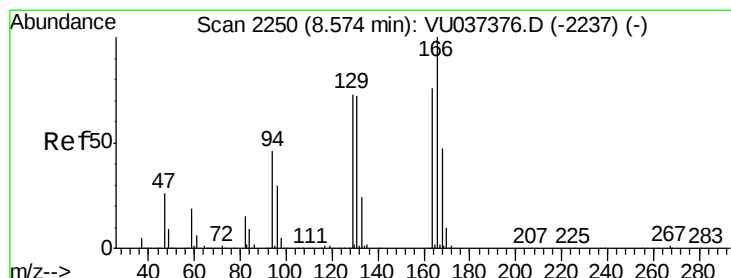
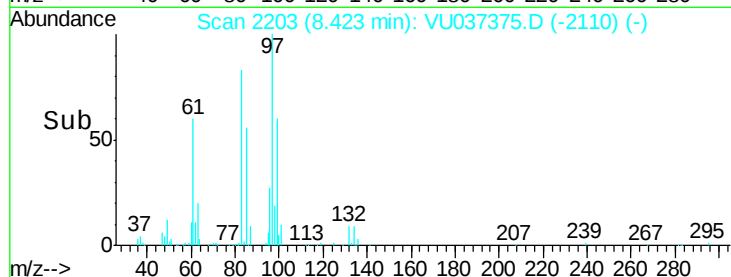
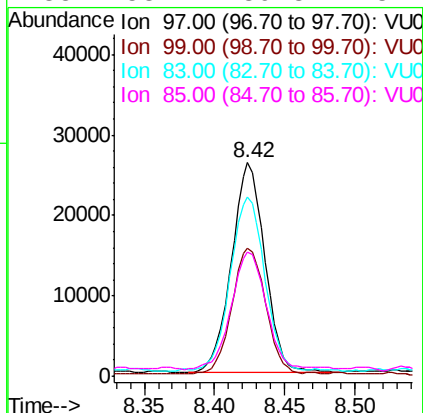
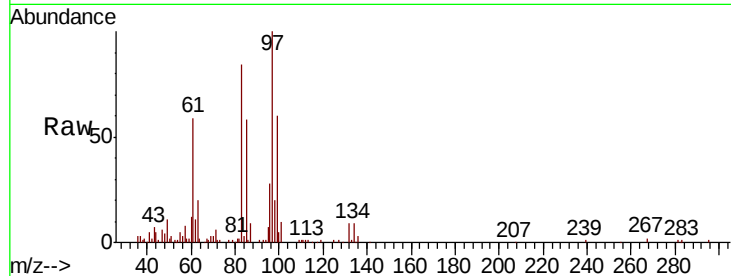




#45
1,1,2-Trichloroethane
Concen: 20.074 ug/L
RT: 8.42 min Scan# 2203
Delta R.T. 0.00 min
Lab File: VU037375.D
Acq: 27 Mar 2020 16:49

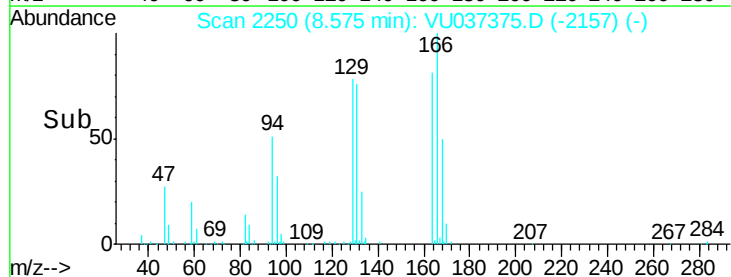
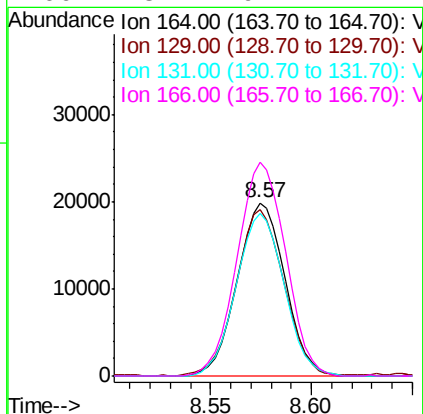
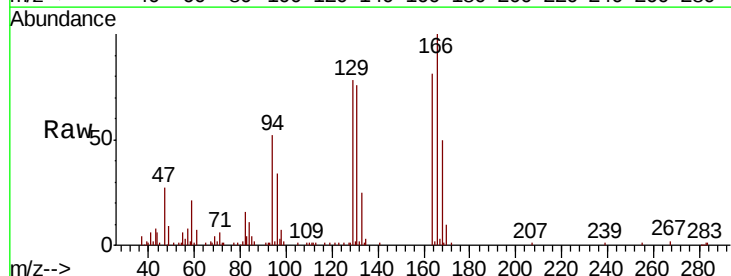
Instrument :
MSVOA_U
ClientSampleId :

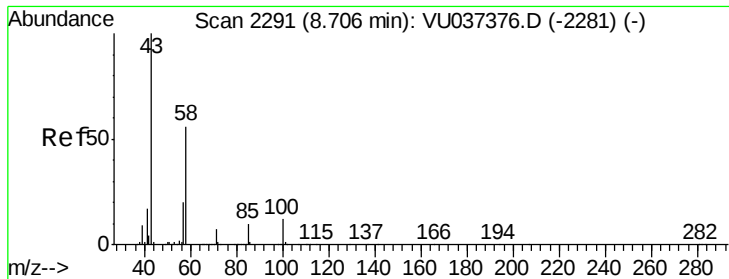
Tot Ion:	97	Resp:	43500
Ion	Ratio	Lower	Upper
97	100		
99	60.0	42.4	78.6
83	83.7	61.3	113.9
85	58.2	39.3	73.1



#46
Tetrachloroethene
Concen: 20.386 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. 0.00 min
Lab File: VU037375.D
Acq: 27 Mar 2020 16:49

Tgt Ion:	164	Resp:	32951
Ion	Ratio	Lower	Upper
164	100		
129	95.9	67.8	126.0
131	93.4	66.1	122.8
166	123.1	92.1	171.1

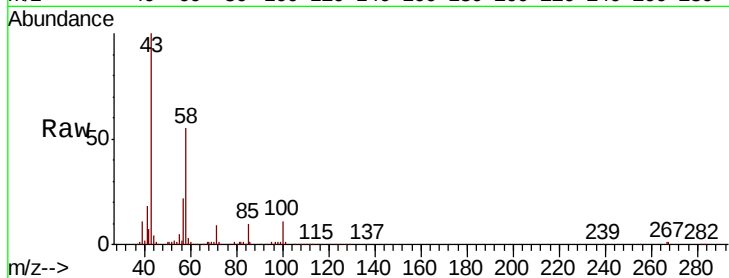




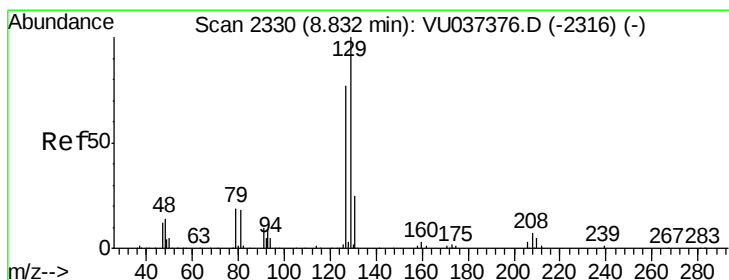
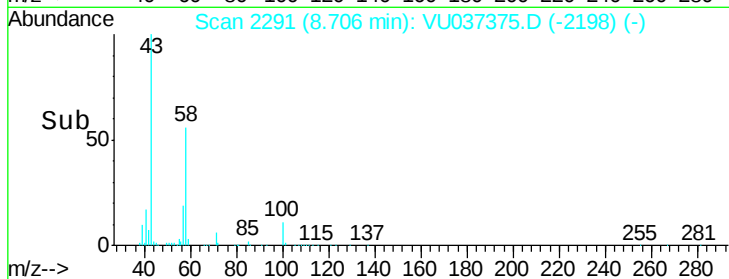
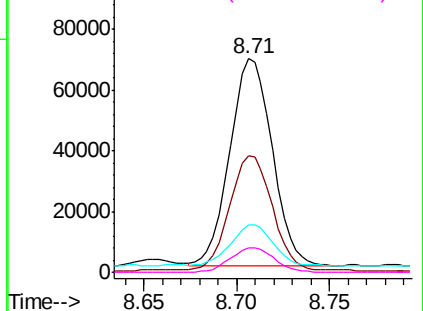
#48
2-Hexanone
Concen: 35.356 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU037375.D
Acq: 27 Mar 2020 16:49

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	43	Resp:	107945
Ion	Ratio	Lower	Upper
43	100		
58	55.7	45.3	67.9
57	19.3	16.2	24.2
100	12.2	9.7	14.5

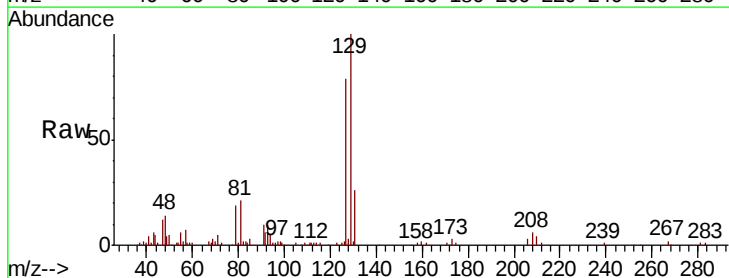


Abundance Ion 43.00 (42.70 to 43.70): VU037375.D (-2198) (-)
Ion 58.00 (57.70 to 58.70): VU037375.D (-2198) (-)
Ion 57.00 (56.70 to 57.70): VU037375.D (-2198) (-)
Ion 100.00 (99.70 to 100.70): VU037375.D (-2198) (-)

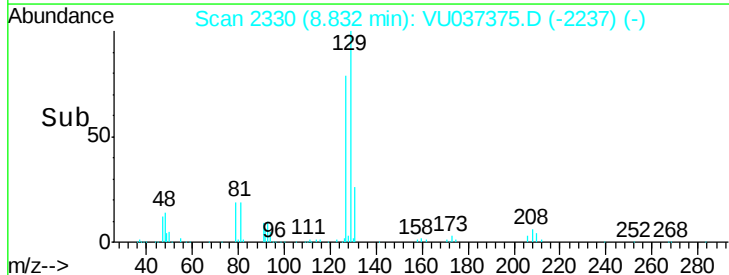
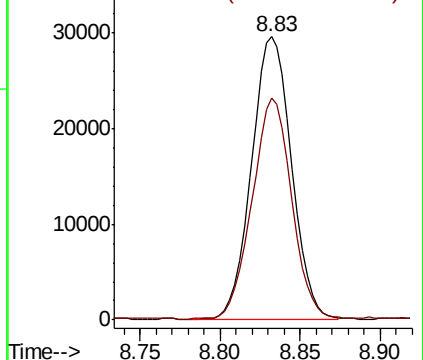


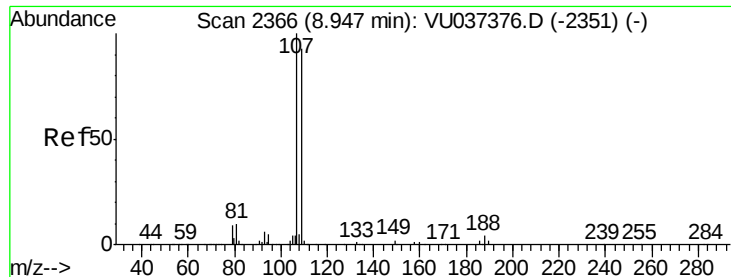
#49
Dibromochloromethane
Concen: 19.974 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU037375.D
Acq: 27 Mar 2020 16:49

Tgt Ion:	129	Resp:	50923
Ion	Ratio	Lower	Upper
129	100		
127	78.6	53.9	100.1



Abundance Ion 129.00 (128.70 to 129.70): VU037375.D (-2237) (-)
Ion 127.00 (126.70 to 127.70): VU037375.D (-2237) (-)

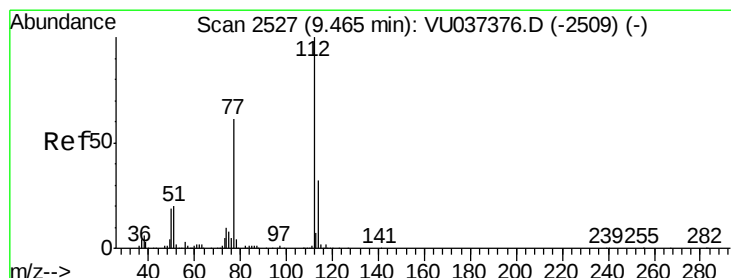
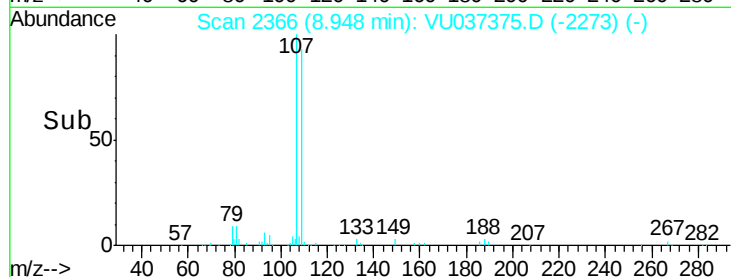
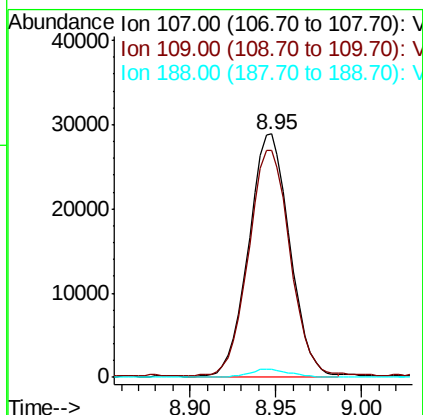
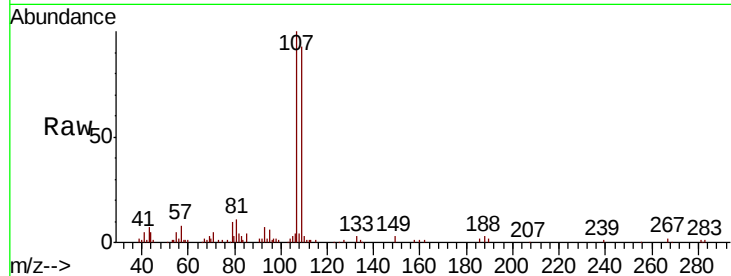




#50
 1,2-Dibromoethane
 Concen: 20.591 ug/L
 RT: 8.95 min Scan# 2366
 Delta R.T. 0.00 min
 Lab File: VU037375.D
 Acq: 27 Mar 2020 16:49

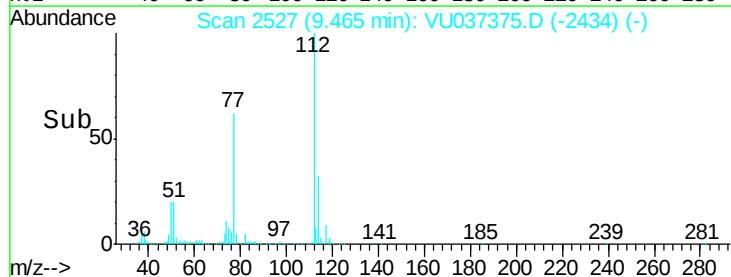
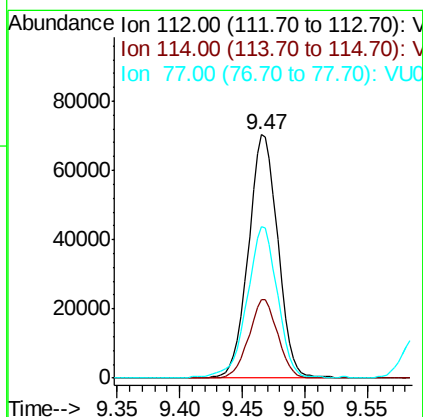
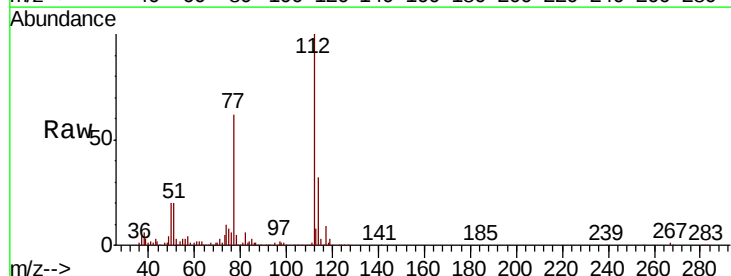
Instrument :
 MSVOA_U
 ClientSampleId :

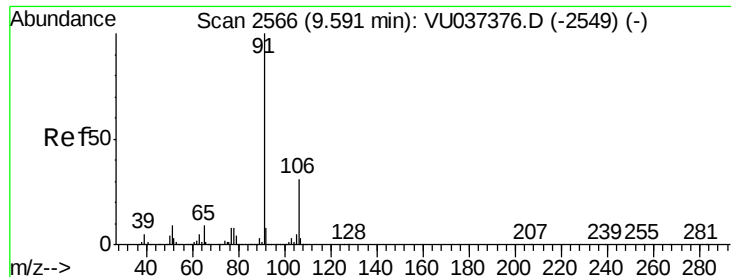
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.0	65.1	120.9
188	3.2	3.0	4.4



#51
 Chlorobenzene
 Concen: 19.879 ug/L
 RT: 9.47 min Scan# 2527
 Delta R.T. 0.00 min
 Lab File: VU037375.D
 Acq: 27 Mar 2020 16:49

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.2	22.3	41.5
77	62.4	48.6	72.8





#52

Ethylbenzene

Concen: 19.000 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU037375.D

Acq: 27 Mar 2020 16:49

Instrument :

MSVOA_U

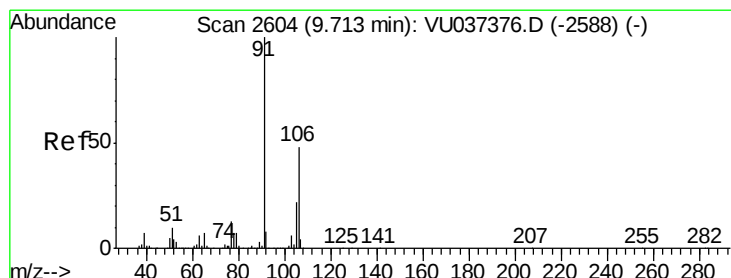
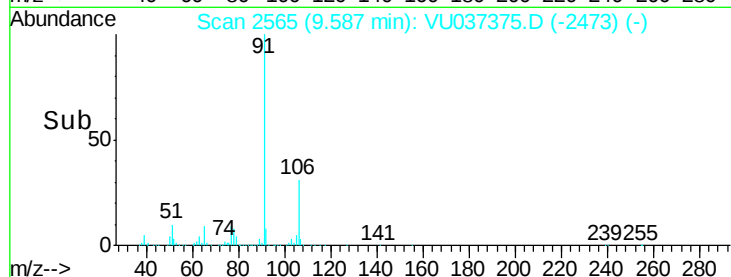
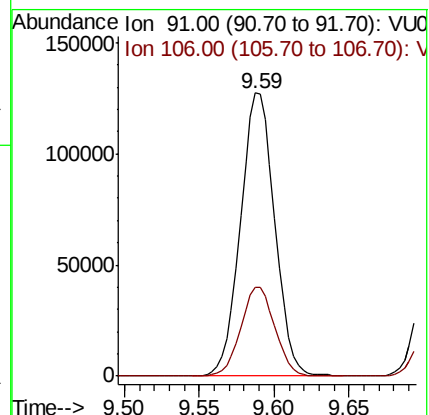
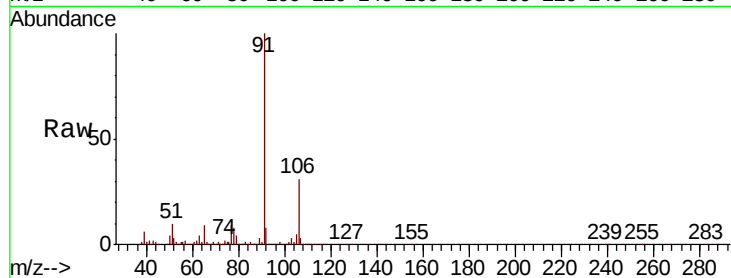
ClientSampled :

Tot Ion: 91 Resp: 201149

Ion Ratio Lower Upper

91 100

106 31.4 21.5 39.9



#53

m,p-Xylene

Concen: 20.077 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VU037375.D

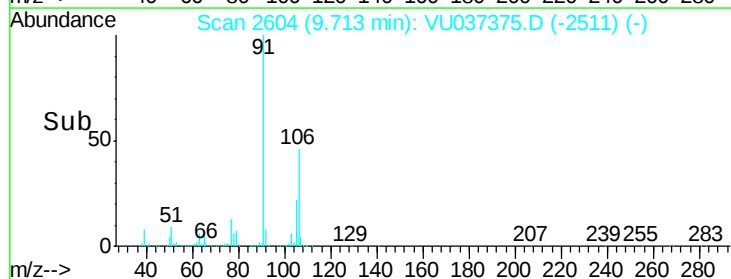
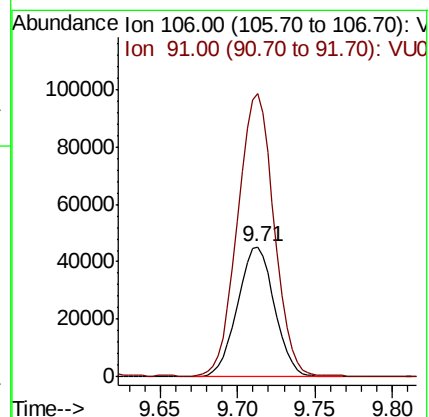
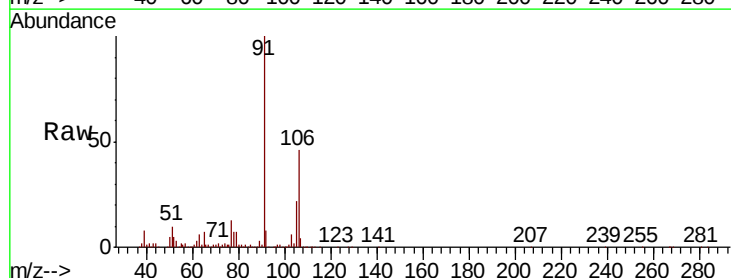
Acq: 27 Mar 2020 16:49

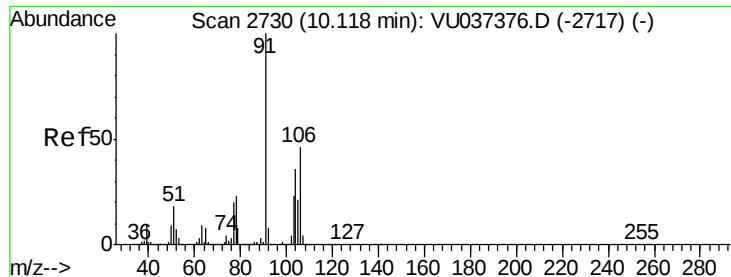
Tgt Ion: 106 Resp: 75178

Ion Ratio Lower Upper

106 100

91 217.3 146.5 272.1





#54

o-xylene

Concen: 20.262 ug/L

RT: 10.12 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VU037375.D

Acq: 27 Mar 2020 16:49

Instrument :

MSVOA_U

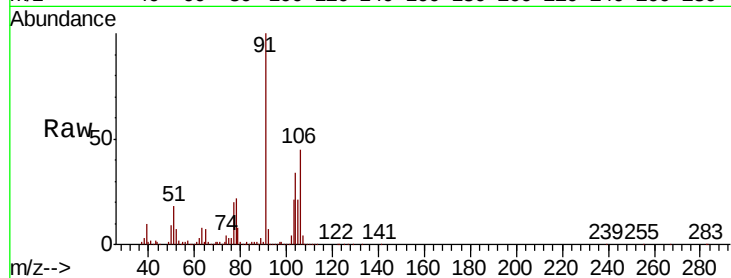
ClientSampled :

Tot Ion:106 Resp: 74960

Ion Ratio Lower Upper

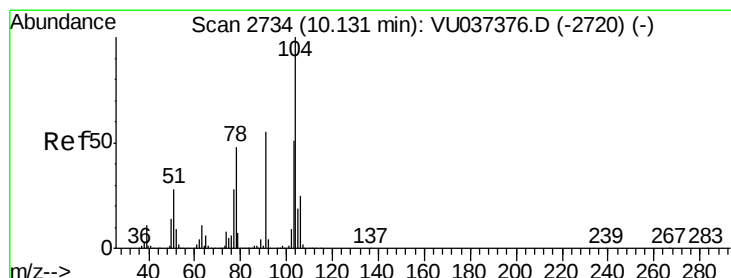
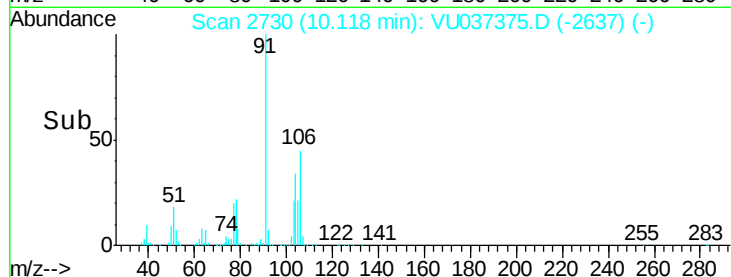
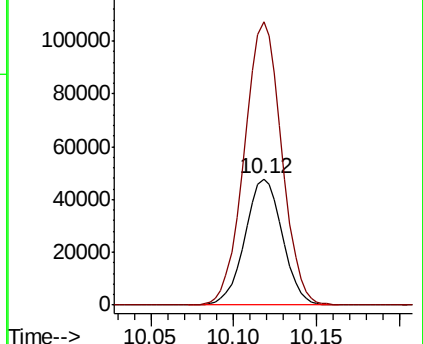
106 100

91 223.8 153.6 285.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 21.046 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VU037375.D

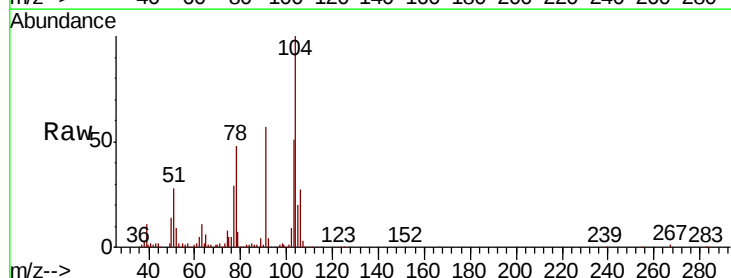
Acq: 27 Mar 2020 16:49

Tgt Ion:104 Resp: 132038

Ion Ratio Lower Upper

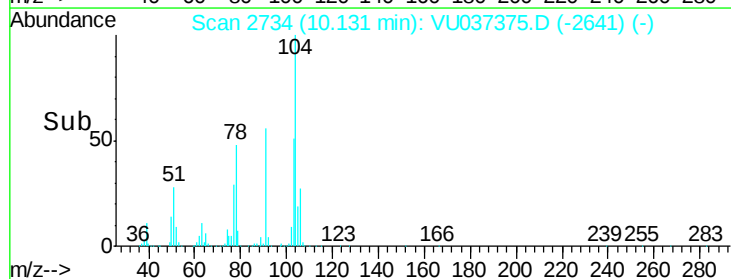
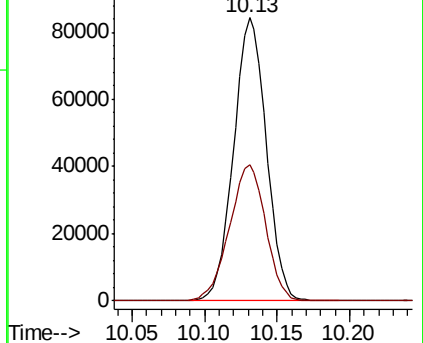
104 100

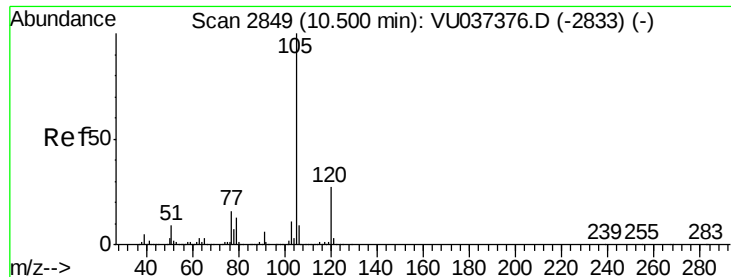
78 47.9 34.0 63.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 19.126 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU037375.D

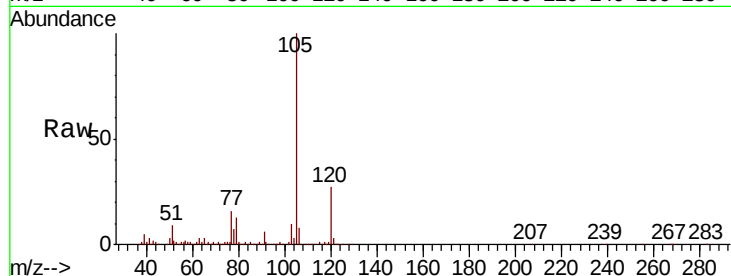
Acq: 27 Mar 2020 16:49

Instrument :

MSVOA_U

ClientSampleId :

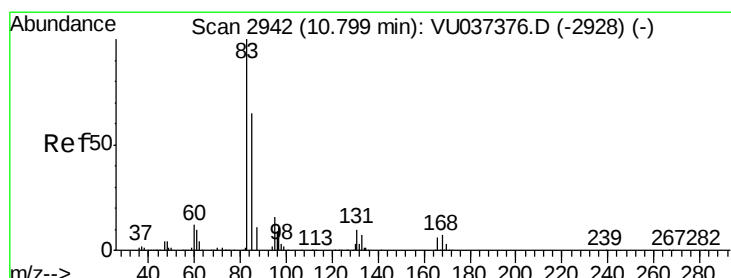
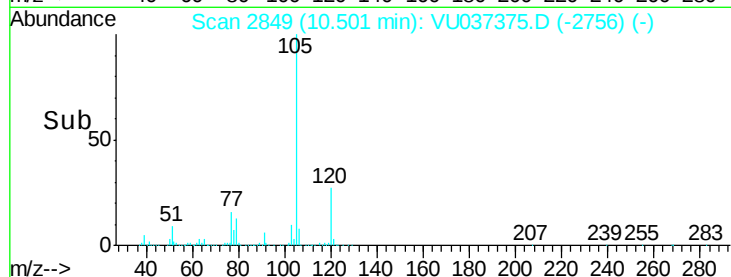
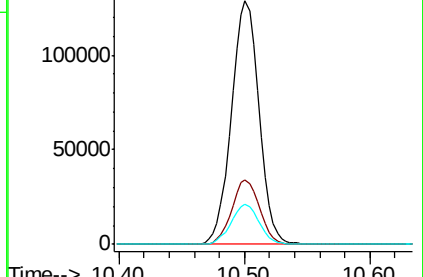
Tot Ion:	105	Resp:	196666
Ion	Ratio	Lower	Upper
105	100		
120	26.6	21.5	32.3
77	16.4	12.6	19.0



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: 18.451 ug/L

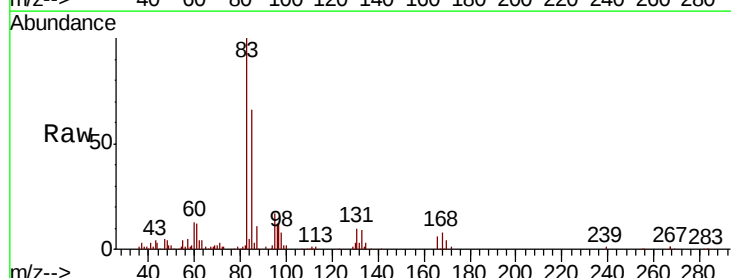
RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU037375.D

Acq: 27 Mar 2020 16:49

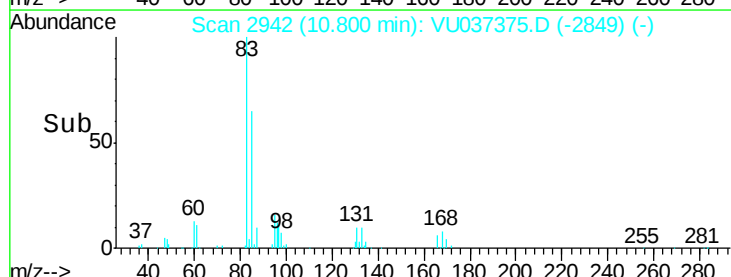
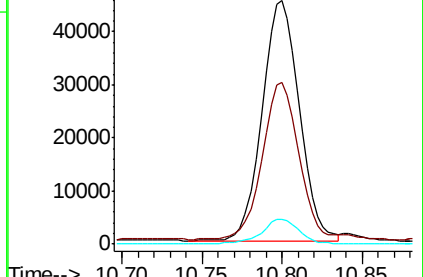
Tgt Ion:	83	Resp:	72983
Ion	Ratio	Lower	Upper
83	100		
85	66.5	46.1	85.5
131	10.3	8.0	12.0

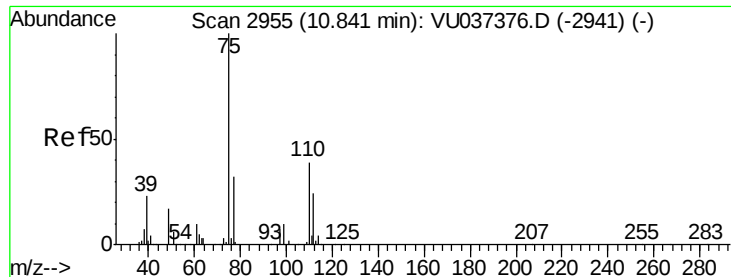


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

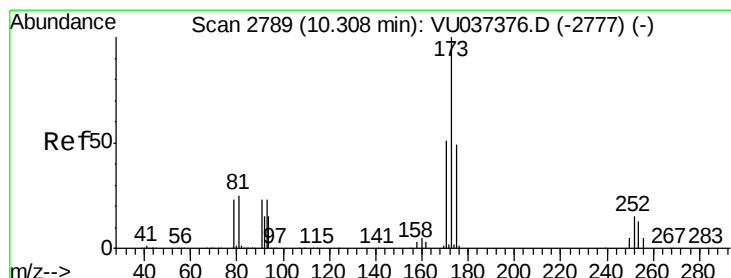
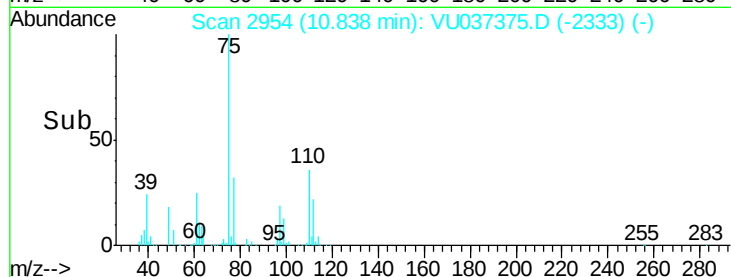
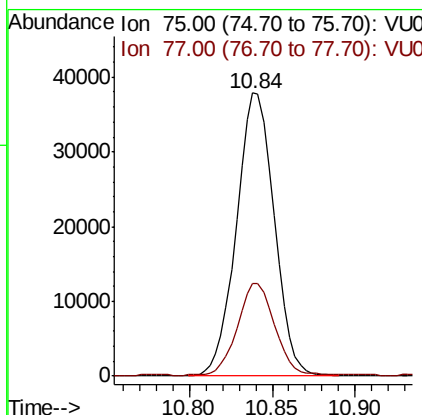
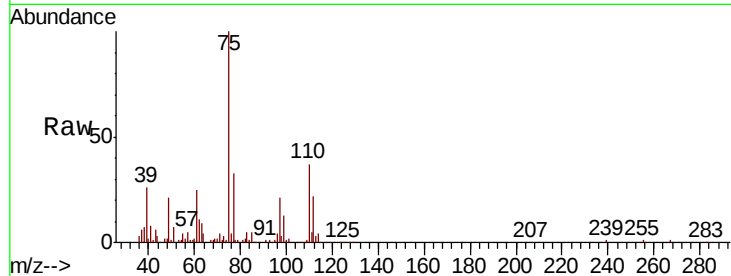




#59
 1,2,3-Trichloropropane
 Concen: 18.207 ug/L
 RT: 10.84 min Scan# 2954
 Delta R.T. -0.00 min
 Lab File: VU037375.D
 Acq: 27 Mar 2020 16:49

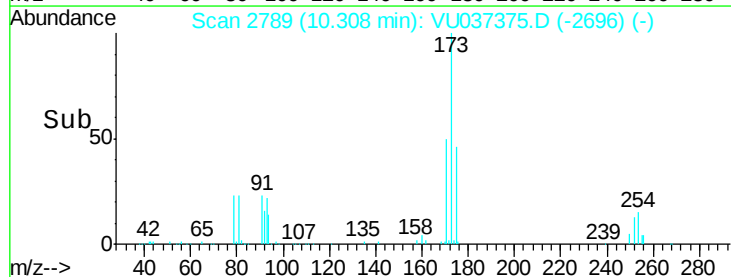
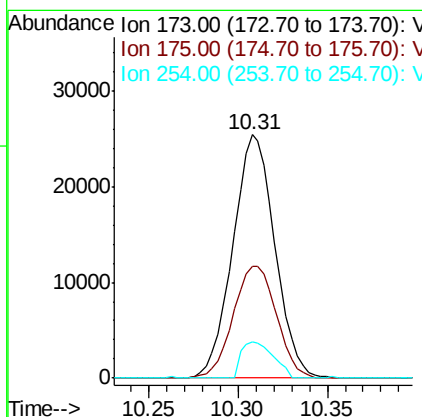
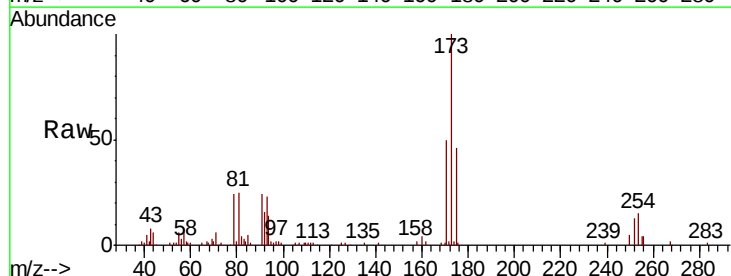
Instrument :
 MSVOA_U
 ClientSampled :

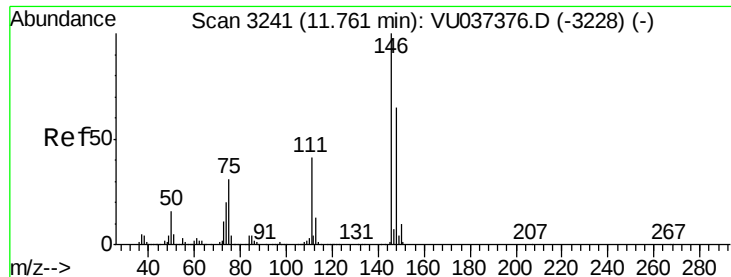
Tot Ion: 75 Resp: 60235
 Ion Ratio Lower Upper
 75 100
 77 33.0 25.6 38.4



#61
 Bromoform
 Concen: 20.870 ug/L
 RT: 10.31 min Scan# 2789
 Delta R.T. 0.00 min
 Lab File: VU037375.D
 Acq: 27 Mar 2020 16:49

Tgt Ion: 173 Resp: 41840
 Ion Ratio Lower Upper
 173 100
 175 47.3 39.0 58.4
 254 11.3 9.8 14.8





#62

1,3-Dichlorobenzene

Concen: 20.546 ug/L

RT: 11.76 min Scan# 3241

Delta R.T. 0.00 min

Lab File: VU037375.D

Acq: 27 Mar 2020 16:49

Instrument :

MSVOA_U

ClientSampleId :

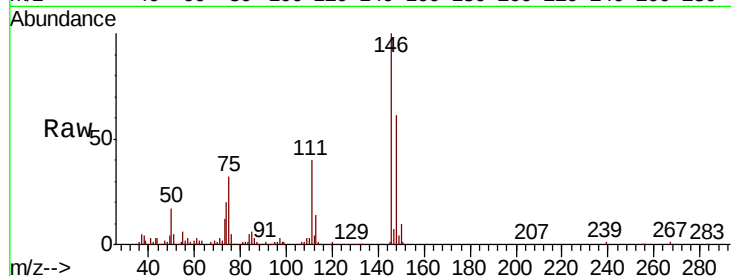
Tot Ion:146 Resp: 93474

Ion Ratio Lower Upper

146 100

111 40.4 29.1 54.1

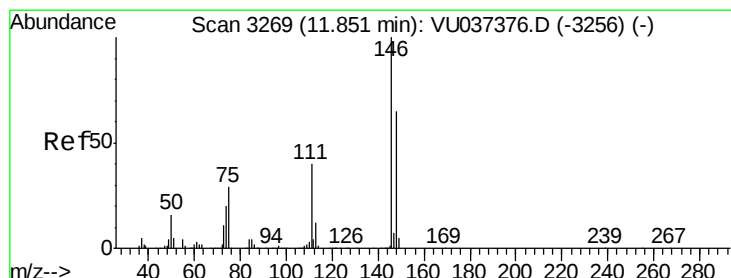
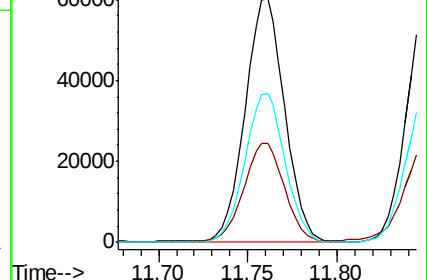
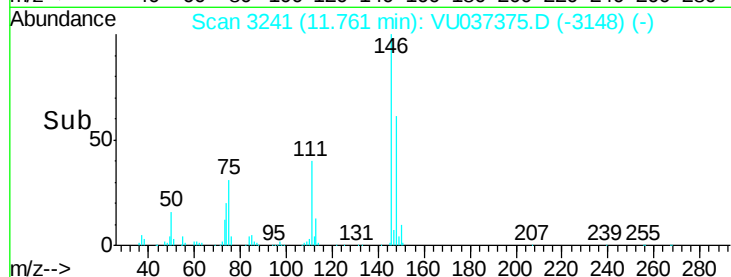
148 61.3 45.2 84.0



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



#63

1,4-Dichlorobenzene

Concen: 20.240 ug/L

RT: 11.85 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VU037375.D

Acq: 27 Mar 2020 16:49

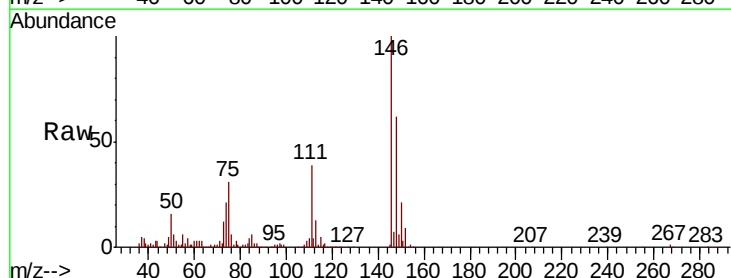
Tgt Ion:146 Resp: 93068

Ion Ratio Lower Upper

146 100

111 39.2 28.4 52.8

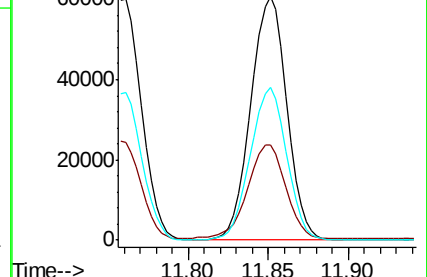
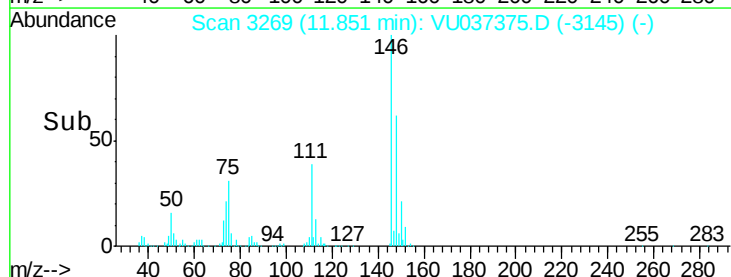
148 62.5 45.6 84.8

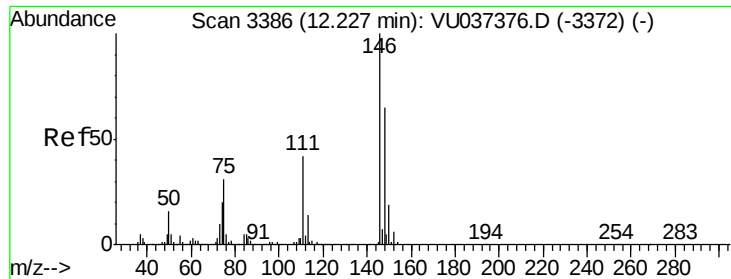


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

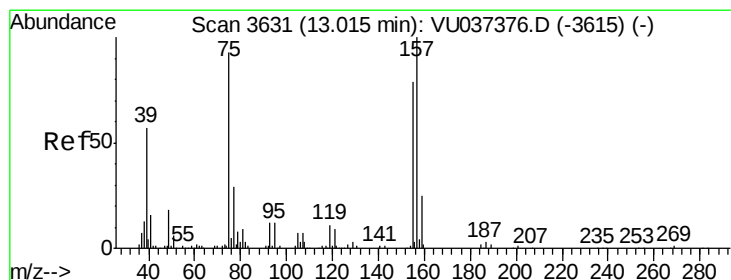
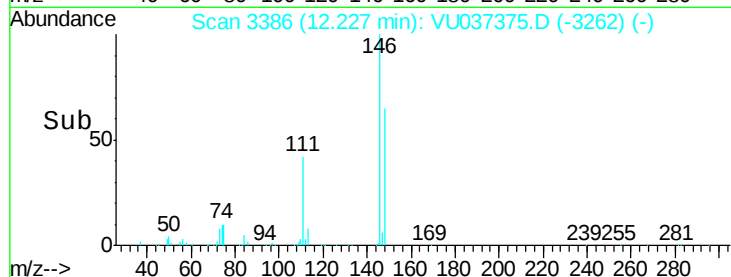
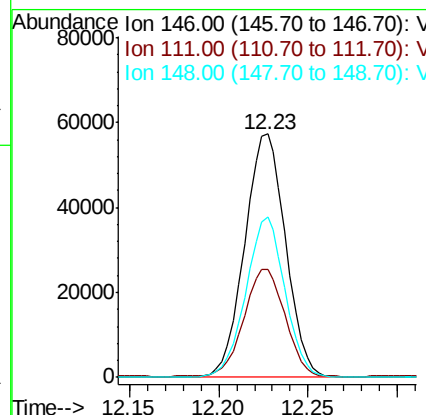
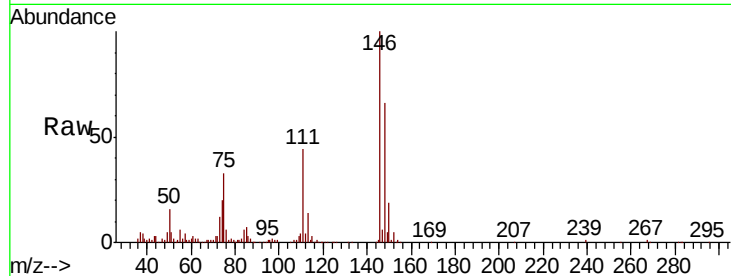




#65
 1,2-Dichlorobenzene
 Concen: 19.812 ug/L
 RT: 12.23 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU037375.D
 Acq: 27 Mar 2020 16:49

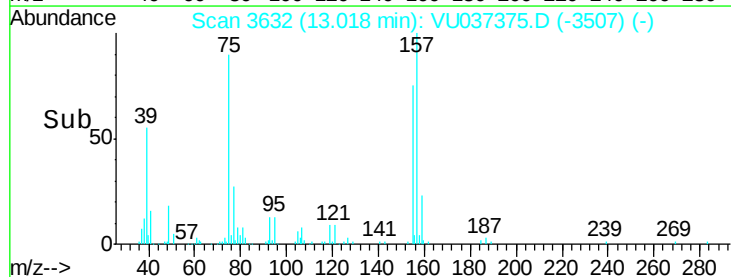
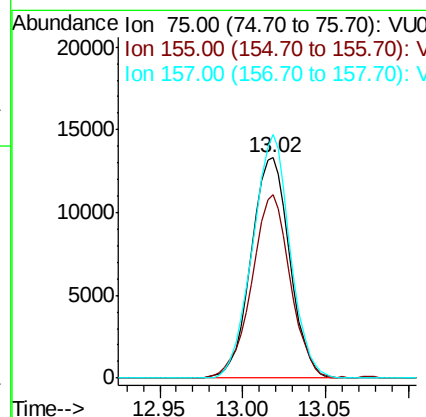
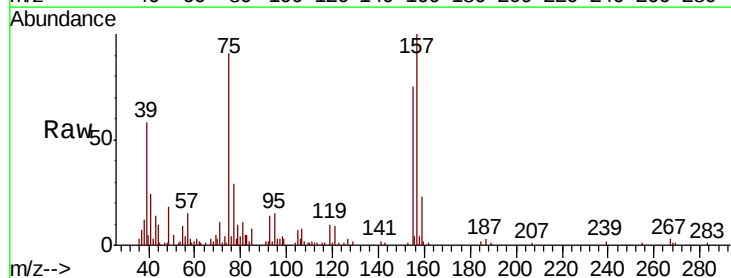
Instrument :
 MSVOA_U
 ClientSampleId :

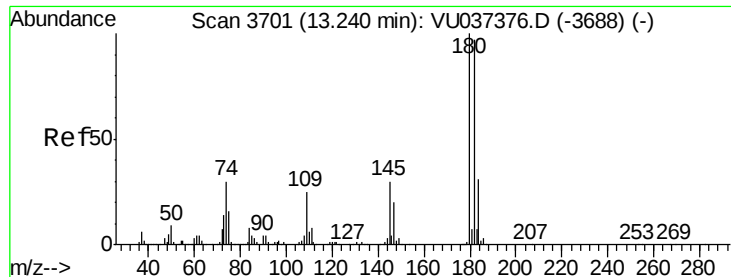
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.1	33.6	50.4
148	65.8	51.9	77.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 21.070 ug/L
 RT: 13.02 min Scan# 3632
 Delta R.T. 0.00 min
 Lab File: VU037375.D
 Acq: 27 Mar 2020 16:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.1	68.5	102.7
157	110.4	86.5	129.7

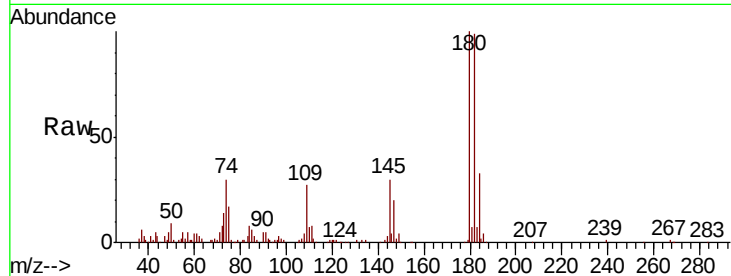




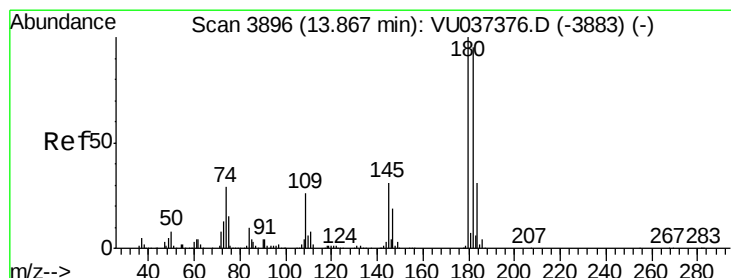
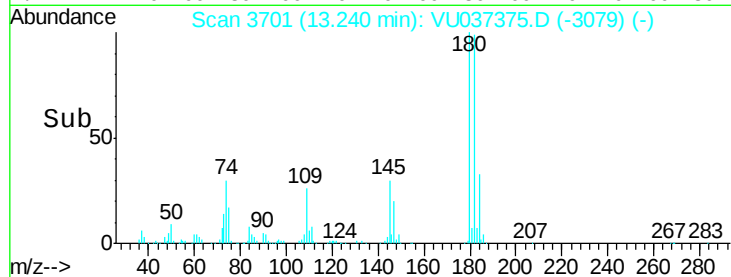
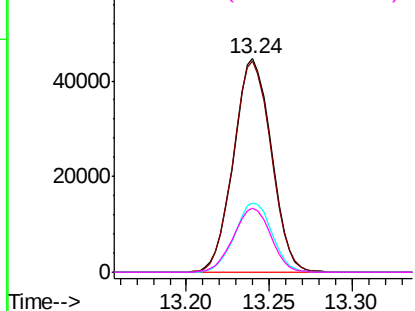
#67
 1,3,5-Trichlorobenzene
 Concen: 21.389 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU037375.D
 Acq: 27 Mar 2020 16:49

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	180	Resp:	70919
Ion	Ratio	Lower	Upper
180	100		
182	99.0	77.3	115.9
184	32.0	24.6	37.0
145	29.7	23.6	35.4

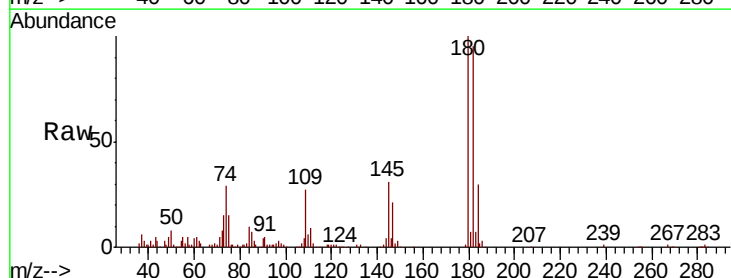


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

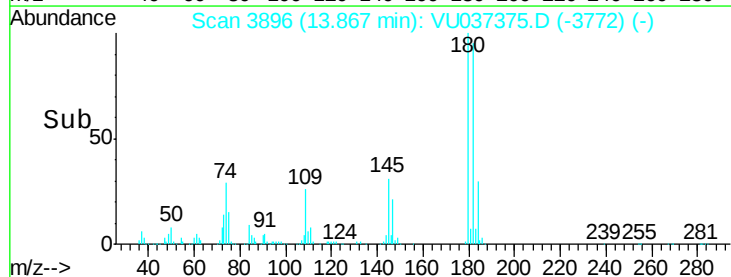
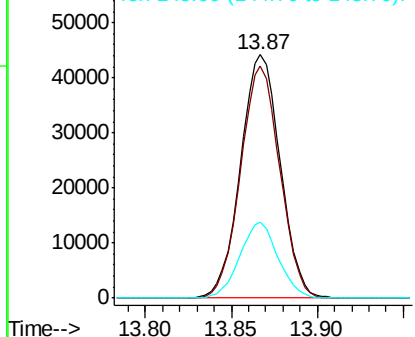


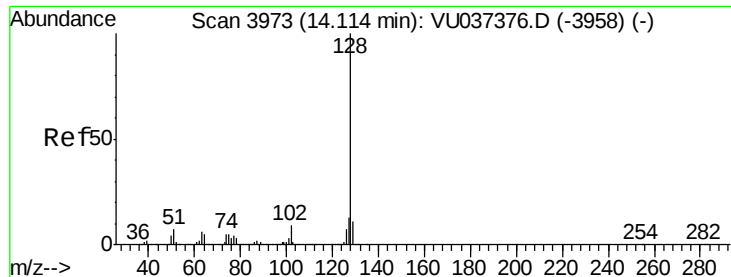
#68
 1,2,4-trichlorobenzene
 Concen: 27.342 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. 0.00 min
 Lab File: VU037375.D
 Acq: 27 Mar 2020 16:49

Tgt Ion:	180	Resp:	70790
Ion	Ratio	Lower	Upper
180	100		
182	94.0	76.4	114.6
145	30.2	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: 60.945 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. 0.00 min

Lab File: VU037375.D

Acq: 27 Mar 2020 16:49

Instrument :

MSVOA_U

ClientSampleId :

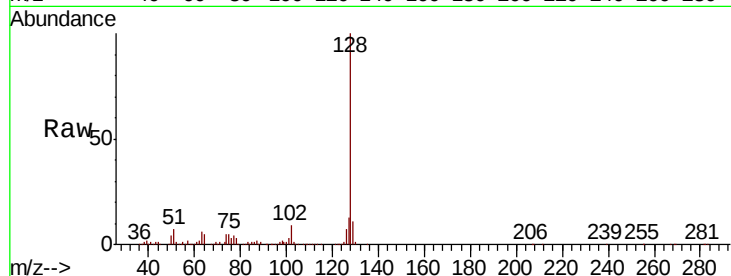
Tot Ion:128 Resp: 239297

Ion Ratio Lower Upper

128 100

127 12.6 10.4 15.6

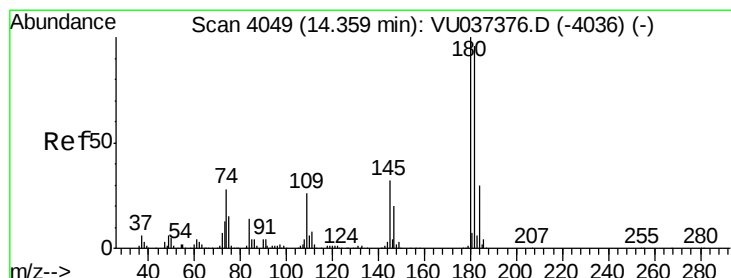
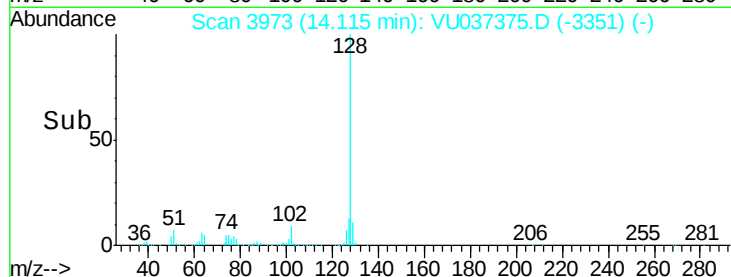
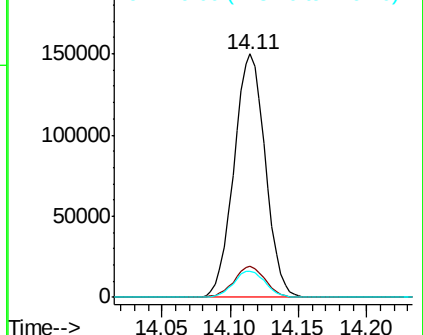
129 11.0 8.8 13.2



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: 26.158 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. 0.00 min

Lab File: VU037375.D

Acq: 27 Mar 2020 16:49

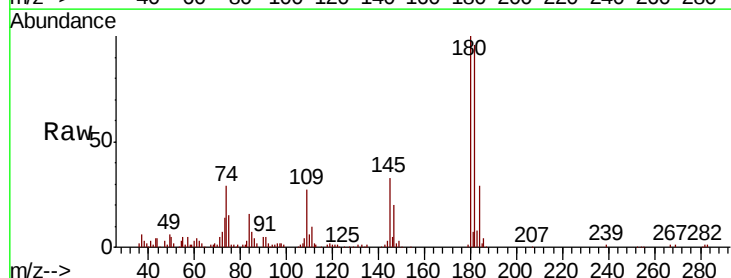
Tgt Ion:180 Resp: 71071

Ion Ratio Lower Upper

180 100

182 95.6 77.0 115.6

145 33.0 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

