

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U062220\
 Data File : VU039006.D
 Acq On : 22 Jun 2020 15:33
 Operator : SY/MD
 Sample : VSTDICV005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV05

Quant Time: Jun 23 01:06:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 23 01:05:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	279535	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	271042	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	141197	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	114502	4.99	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.80%
7) Chloroethane-d5	1.93	69	85268	5.18	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.60%
11) 1,1-Dichloroethene-d2	2.59	63	213754	4.95	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.00%
20) 2-Butanone-d5	4.67	46	388414	51.95	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.90%
24) Chloroform-d	5.10	84	203121	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.20%
26) 1,2-Dichloroethane-d4	5.74	65	123262	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.60%
32) Benzene-d6	5.76	84	416006	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.80%
36) 1,2-Dichloropropane-d6	6.72	67	131572	4.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.80%
41) Toluene-d8	7.93	98	352950	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.00%
43) trans-1,3-Dichloropropene-	8.21	79	57917	5.11	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.20%
46) 2-Hexanone-d5	8.66	63	310483	56.26	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.52%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	122633	5.25	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.00%
64) 1,2-Dichlorobenzene-d4	12.21	152	140476	5.11	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	129844	4.796	ug/L 97
3) Chloromethane	1.53	50	89466	5.766	ug/L 98
5) Vinyl chloride	1.62	62	142444	4.991	ug/L 98
6) Bromomethane	1.87	94	42389	6.229	ug/L 99
8) Chloroethane	1.95	64	111328	7.088	ug/L 96
9) Trichlorofluoromethane	2.16	101	174942	4.834	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	99067	4.650	ug/L 99
12) 1,1-Dichloroethene	2.60	96	98143	4.856	ug/L 89
13) Acetone	2.67	43	237373	50.329	ug/L 100
14) Carbon disulfide	2.82	76	340207	4.865	ug/L 100
15) Methyl Acetate	2.98	43	58983	4.914	ug/L 98
16) Methylene chloride	3.08	84	117073	4.764	ug/L 97
17) Methyl tert-butyl Ether	3.40	73	259397	5.305	ug/L 97
18) trans-1,2-Dichloroethene	3.39	96	106078	4.925	ug/L 98
19) 1,1-Dichloroethane	3.91	63	213148	4.995	ug/L 97
21) 2-Butanone	4.75	43	404187	53.147	ug/L 100
22) cis-1,2-Dichloroethene	4.71	96	117322	5.079	ug/L 96

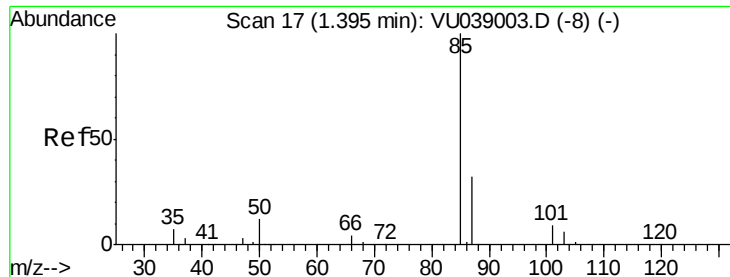
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U062220\
 Data File : VU039006.D
 Acq On : 22 Jun 2020 15:33
 Operator : SY/MD
 Sample : VSTDICV005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV05

Quant Time: Jun 23 01:06:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 23 01:05:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	51782	4.811	ug/L	98
25) Chloroform	5.12	83	215337	4.862	ug/L	100
27) 1,2-Dichloroethane	5.83	62	147593	4.952	ug/L	100
29) 1,1,1-Trichloroethane	5.35	97	176375	5.096	ug/L	99
30) Cyclohexane	5.42	56	171860	5.035	ug/L	98
31) Carbon tetrachloride	5.56	117	140962	4.878	ug/L	99
33) Benzene	5.81	78	457274	5.224	ug/L	100
34) Trichloroethene	6.57	95	110930	5.078	ug/L	95
35) Methylcyclohexane	6.79	83	165549	5.003	ug/L	99
37) 1,2-Dichloropropane	6.82	63	120119	5.104	ug/L	100
38) Bromodichloromethane	7.13	83	149948	5.160	ug/L	97
39) cis-1,3-Dichloropropene	7.63	75	177803	5.291	ug/L	100
40) 4-Methyl-2-pentanone	7.82	43	946226	55.001	ug/L	100
42) Toluene	8.00	91	460076	5.231	ug/L	98
44) trans-1,3-Dichloropropene	8.23	75	162608	5.397	ug/L	98
45) 1,1,2-Trichloroethane	8.42	97	89901	5.188	ug/L	99
47) Tetrachloroethene	8.58	164	74915	4.870	ug/L	98
48) 2-Hexanone	8.71	43	717011	55.063	ug/L	98
49) Dibromochloromethane	8.84	129	98436	5.150	ug/L	99
50) 1,2-Dibromoethane	8.95	107	85870	5.237	ug/L #	98
51) Chlorobenzene	9.47	112	285777	5.086	ug/L	99
52) Ethylbenzene	9.59	91	482377	5.117	ug/L	100
53) m,p-Xylene	9.71	106	189063	5.303	ug/L	100
54) o-Xylene	10.12	106	181176	5.346	ug/L	100
55) Styrene	10.13	104	320091	5.492	ug/L	100
56) Isopropylbenzene	10.50	105	465349	5.187	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	118501	5.164	ug/L	98
59) 1,2,3-Trichloropropane	10.84	75	90004	5.195	ug/L	100
61) Bromoform	10.31	173	57542	5.235	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	225795	5.019	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	230309	4.988	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	221703	5.070	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	20686	5.231	ug/L	93
67) 1,3,5-Trichlorobenzene	13.25	180	164464	5.081	ug/L	98
68) 1,2,4-trichlorobenzene	13.88	180	145395	5.231	ug/L	97
69) Naphthalene	14.12	128	309263	5.615	ug/L	100
70) 1,2,3-Trichlorobenzene	14.37	180	142174	5.450	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.796 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU039006.D

Acq: 22 Jun 2020 15:33

Instrument :

MSVOA_U

ClientSampled :

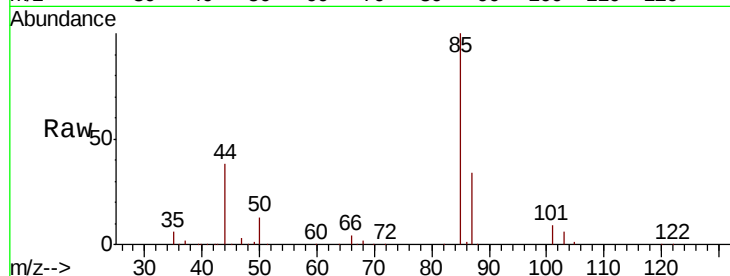
VICV05

Tot Ion: 85 Resp: 129844

Ion Ratio Lower Upper

85 100

87 32.9 25.0 37.6



Abundance Ion 85.00 (84.70 to 85.70): VU039006.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU039006.D (-8) (-)

1.39

150000

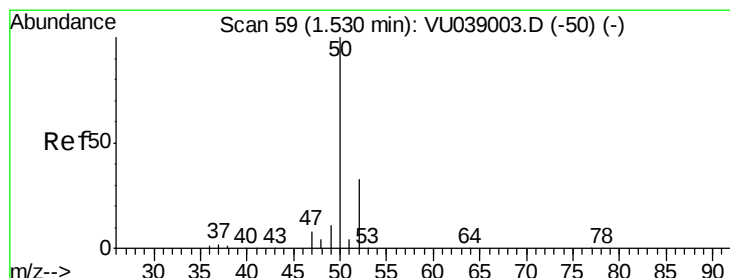
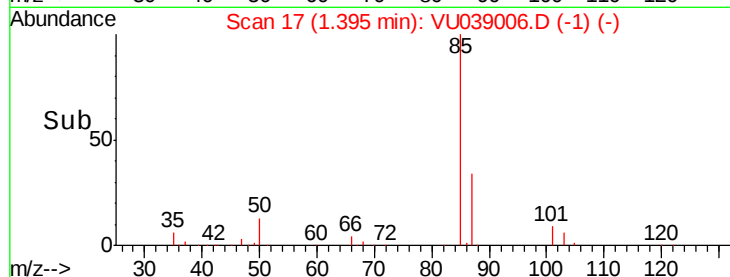
100000

50000

0

1.35 1.40 1.45

Time-->



#3

Chloromethane

Concen: 5.766 ug/L

RT: 1.53 min Scan# 59

Delta R.T. 0.00 min

Lab File: VU039006.D

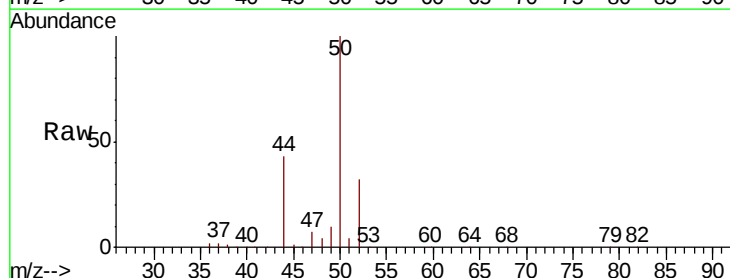
Acq: 22 Jun 2020 15:33

Tgt Ion: 50 Resp: 89466

Ion Ratio Lower Upper

50 100

52 31.9 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VU039006.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU039006.D (-50) (-)

1.53

100000

80000

60000

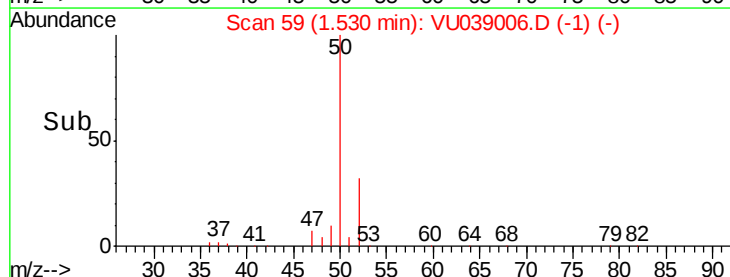
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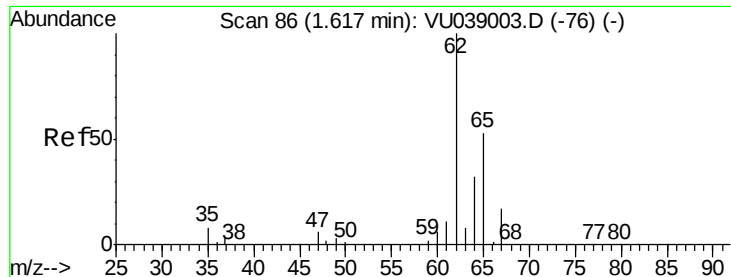
20000

0

1.50 1.55 1.60

Time-->





#5

Vinyl chloride

Concen: 4.991 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU039006.D

Acq: 22 Jun 2020 15:33

Instrument :

MSVOA_U

ClientSampled :

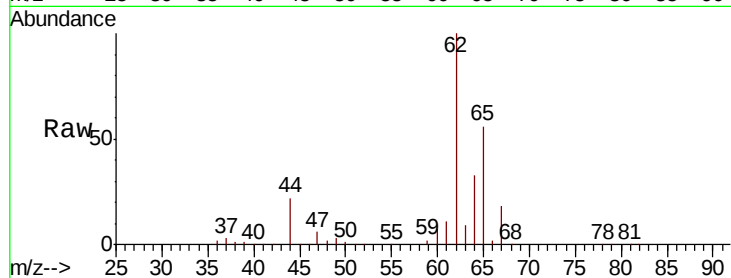
VICV05

Tot Ion: 62 Resp: 142444

Ion Ratio Lower Upper

62 100

64 33.4 22.5 41.9



Abundance Ion 62.00 (61.70 to 62.70): VU039006.D (-1) (-)

Ion 64.10 (63.80 to 64.80): VU039006.D (-1) (-)

1.62

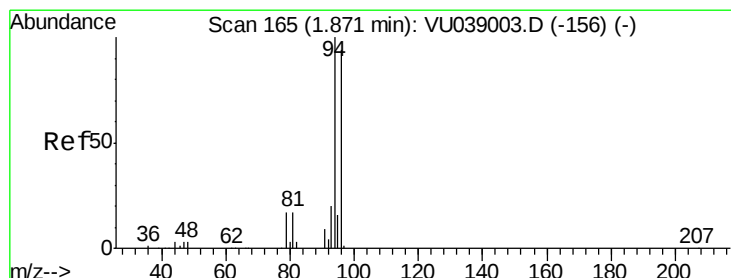
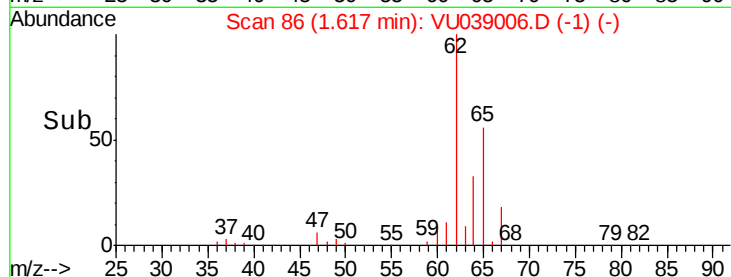
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 6.229 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU039006.D

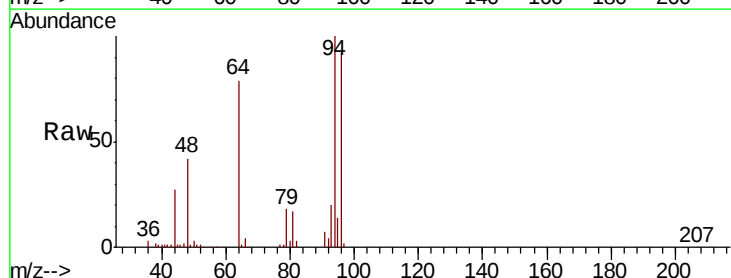
Acq: 22 Jun 2020 15:33

Tgt Ion: 94 Resp: 42389

Ion Ratio Lower Upper

94 100

96 92.3 65.5 121.7



Abundance Ion 94.00 (93.70 to 94.70): VU039006.D (-72) (-)

Ion 96.00 (95.70 to 96.70): VU039006.D (-72) (-)

1.87

40000

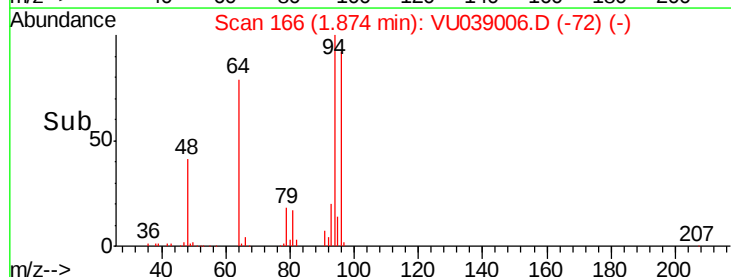
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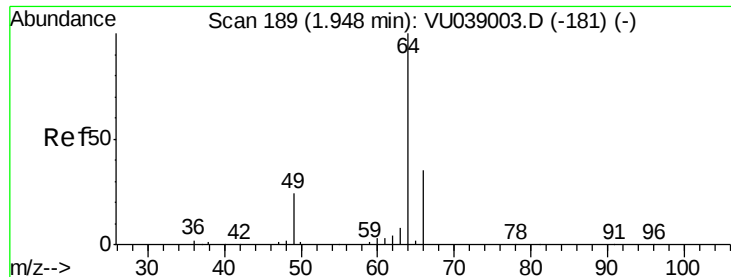
20000

10000

0

Time-->





#8

Chloroethane

Concen: 7.088 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU039006.D

Acq: 22 Jun 2020 15:33

Instrument :

MSVOA_U

ClientSampleId :

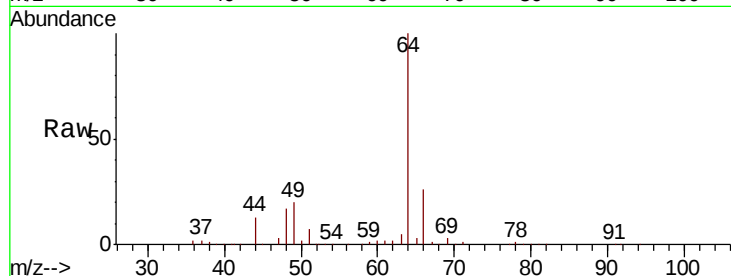
VICV05

Tot Ion: 64 Resp: 111328

Ion Ratio Lower Upper

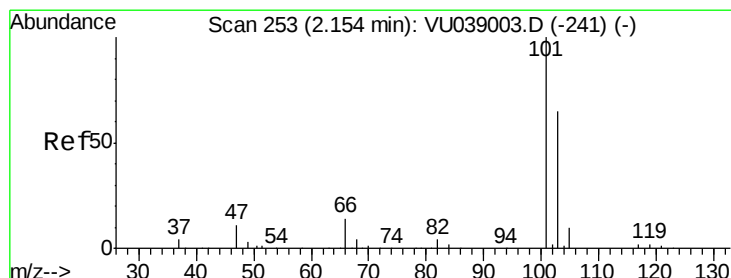
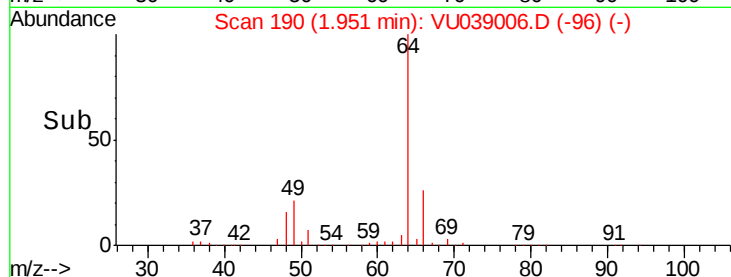
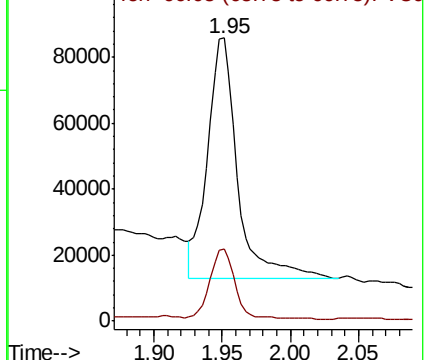
64 100

66 25.6 19.4 36.0



Abundance Ion 64.10 (63.80 to 64.80): VU039006.D (-181) (-)

Ion 66.05 (65.75 to 66.75): VU039006.D (-181) (-)



#9

Trichlorofluoromethane

Concen: 4.834 ug/L

RT: 2.16 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU039006.D

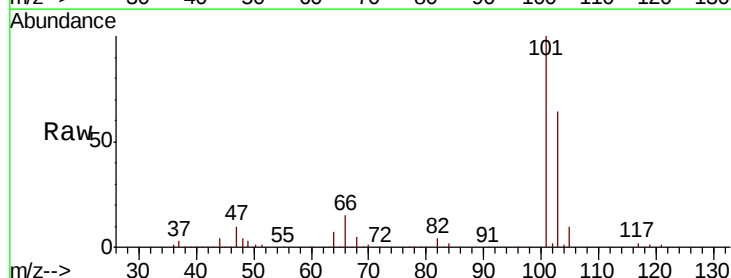
Acq: 22 Jun 2020 15:33

Tgt Ion:101 Resp: 174942

Ion Ratio Lower Upper

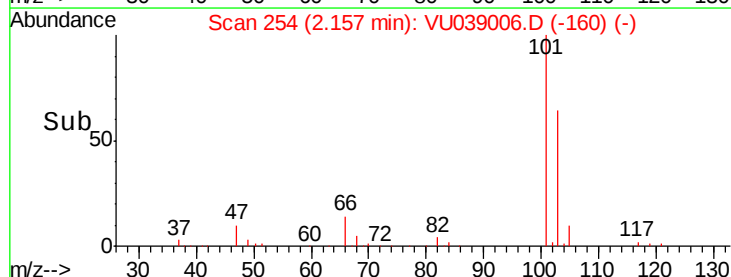
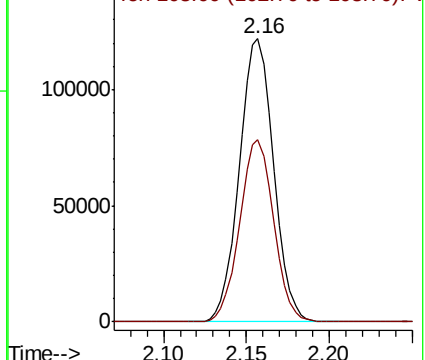
101 100

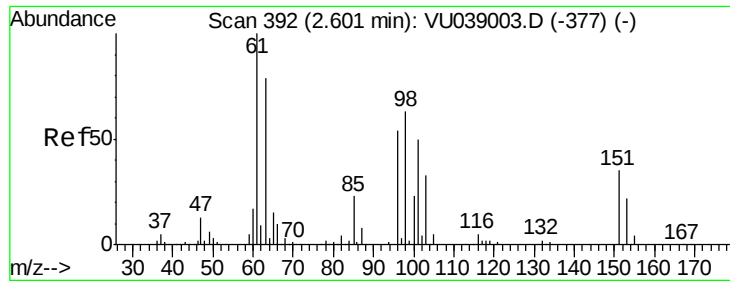
103 63.9 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): VU039006.D (-241) (-)

Ion 103.00 (102.70 to 103.70): VU039006.D (-241) (-)





#10

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

Concen: 4.650 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU039006.D

Acq: 22 Jun 2020 15:33

Instrument :

MSVOA_U

ClientSampleId :

VICV05

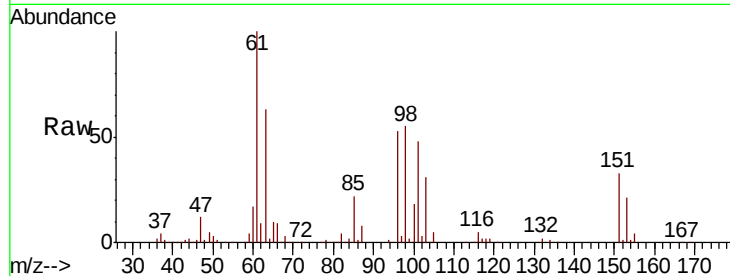
Tot Ion:101 Resp: 99067

Ion Ratio Lower Upper

101 100

85 44.3 36.5 54.7

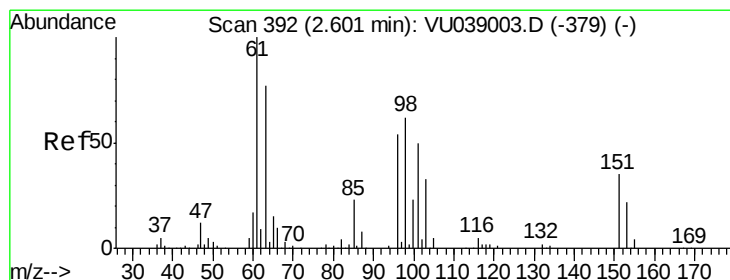
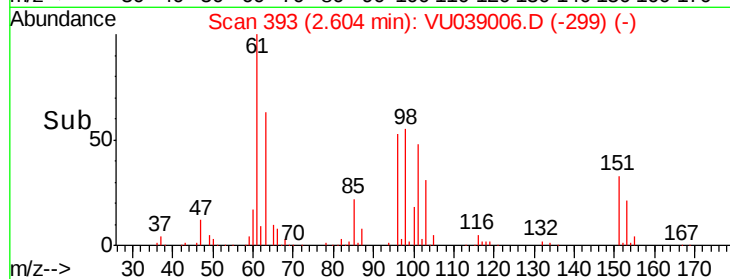
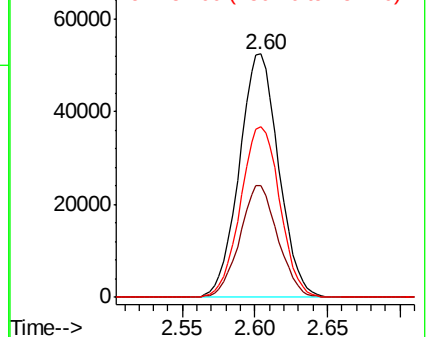
151 70.1 56.2 84.4



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: 4.856 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU039006.D

Acq: 22 Jun 2020 15:33

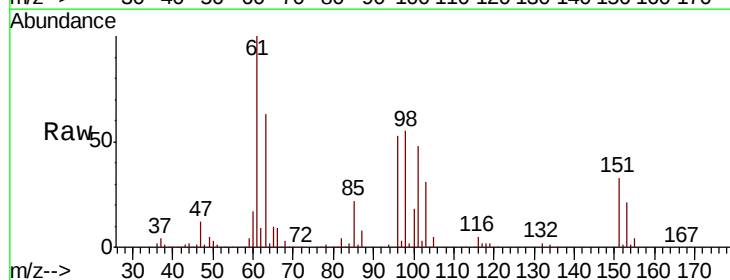
Tgt Ion: 96 Resp: 98143

Ion Ratio Lower Upper

96 100

61 190.4 128.7 239.1

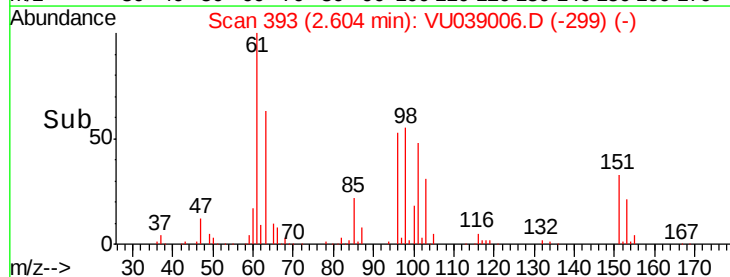
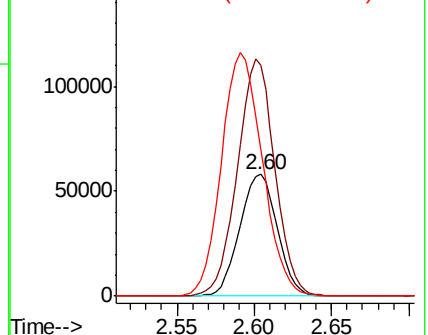
63 120.9 101.5 188.5

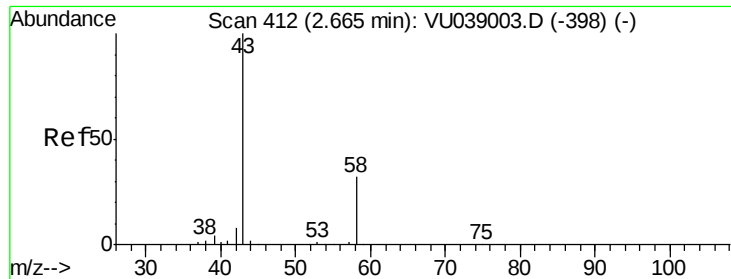


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 50.329 ug/L

RT: 2.67 min Scan# 413

Delta R.T. 0.00 min

Lab File: VU039006.D

Acq: 22 Jun 2020 15:33

Instrument :

MSVOA_U

ClientSampleId :

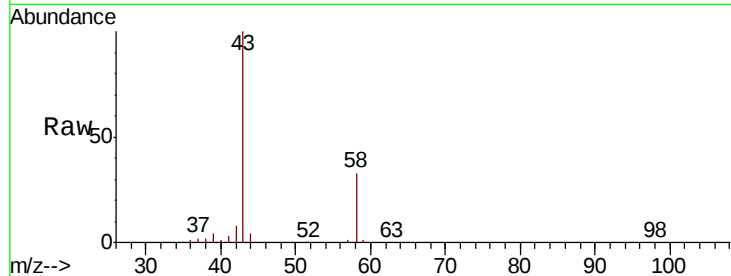
VICV05

Tot Ion: 43 Resp: 237373

Ion Ratio Lower Upper

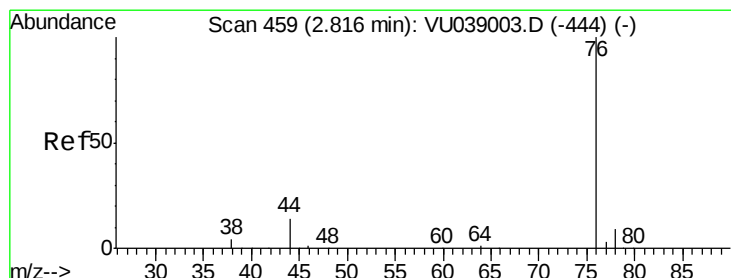
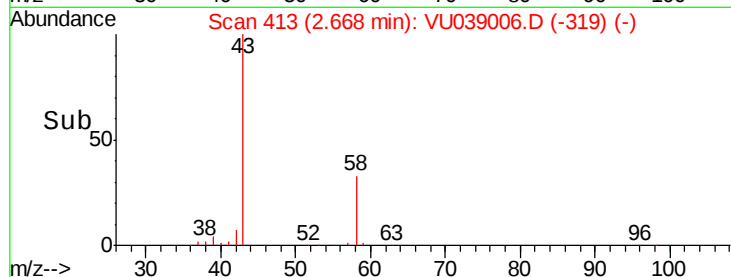
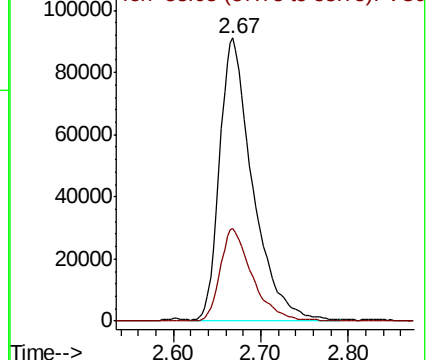
43 100

58 32.2 0.0 64.8



Abundance Ion 43.05 (42.75 to 43.75): VU039006.D (-319) (-)

Ion 58.05 (57.75 to 58.75): VU039006.D (-319) (-)



#14

Carbon disulfide

Concen: 4.865 ug/L

RT: 2.82 min Scan# 459

Delta R.T. 0.00 min

Lab File: VU039006.D

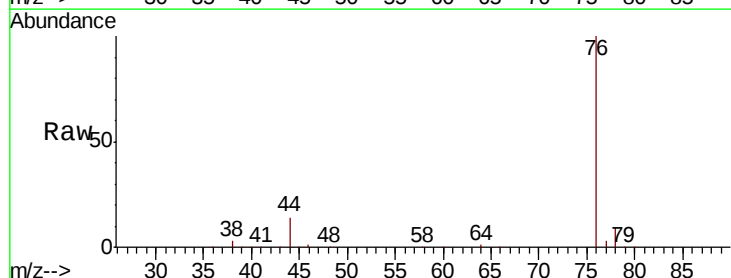
Acq: 22 Jun 2020 15:33

Tgt Ion: 76 Resp: 340207

Ion Ratio Lower Upper

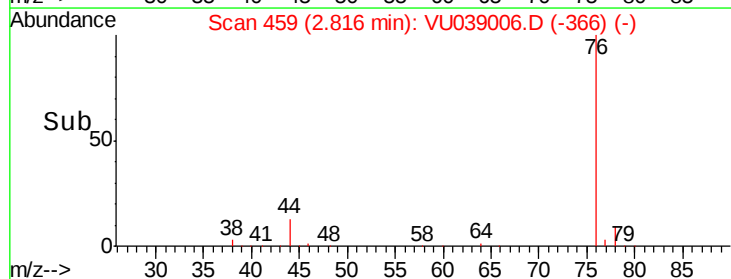
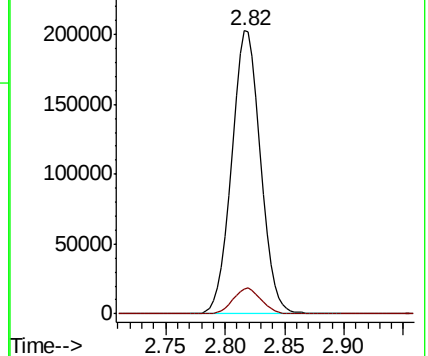
76 100

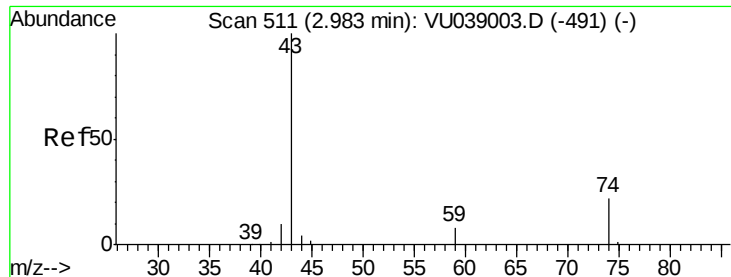
78 8.9 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU039006.D (-366) (-)

Ion 78.00 (77.70 to 78.70): VU039006.D (-366) (-)

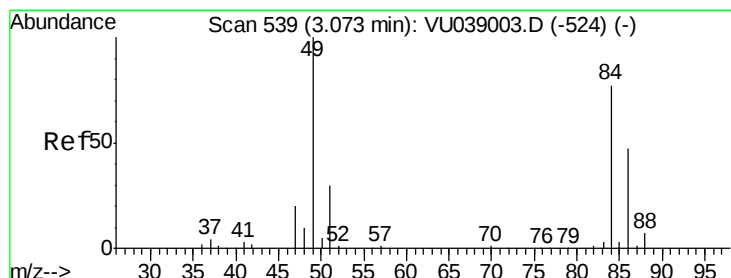
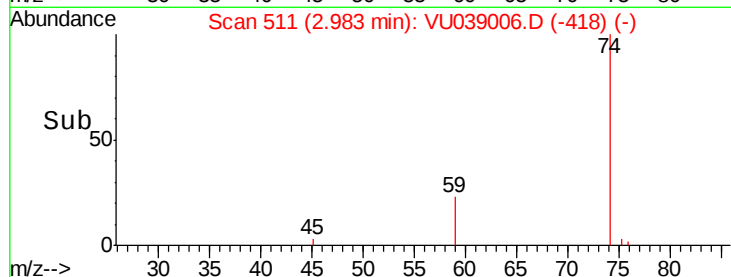
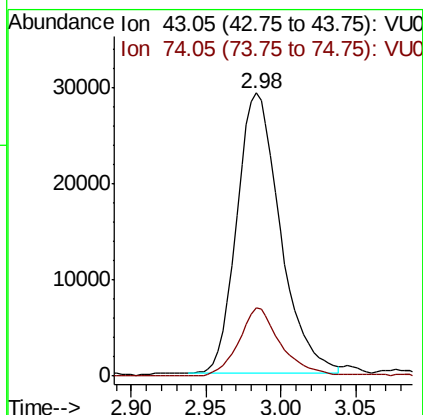
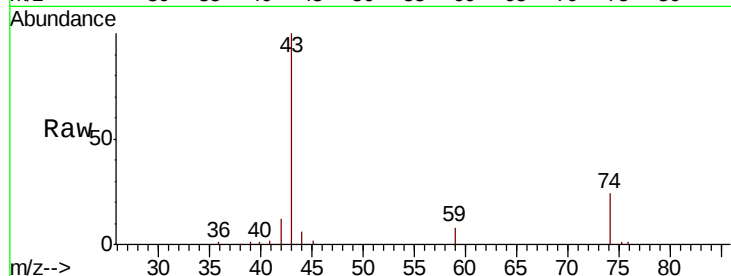




#15
Methvl Acetate
Concen: 4.914 ug/L
RT: 2.98 min Scan# 511
Delta R.T. 0.00 min
Lab File: VU039006.D
Acq: 22 Jun 2020 15:33

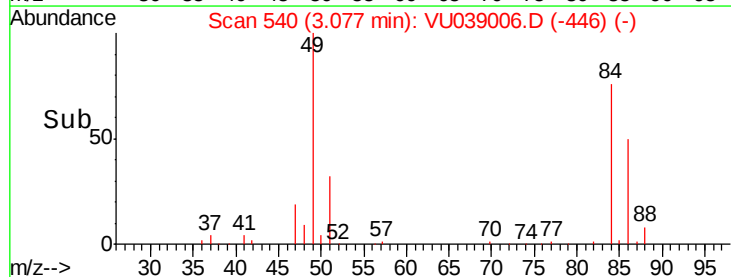
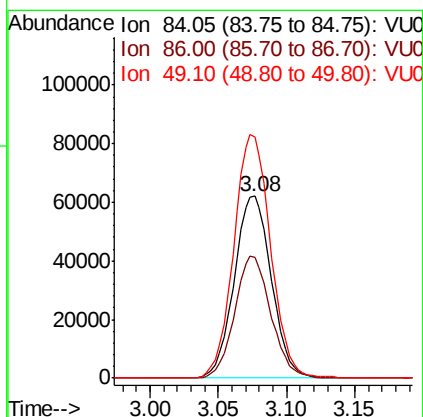
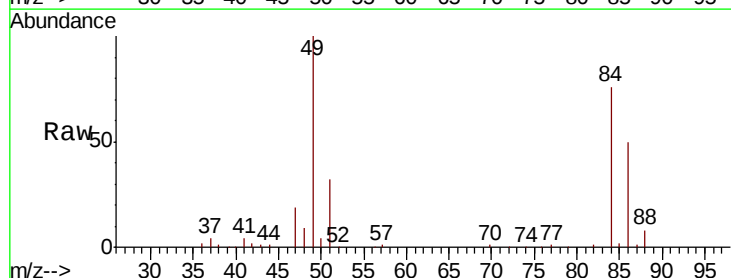
Instrument :
MSVOA_U
ClientSampleId :
VICV05

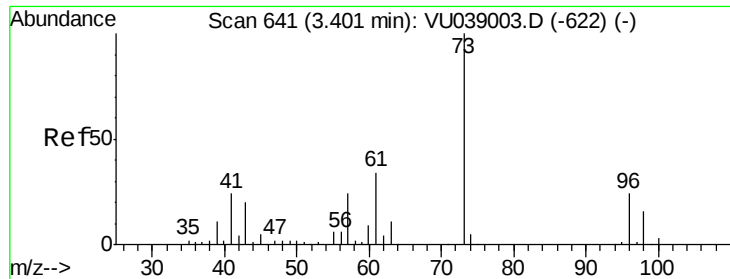
Tot Ion: 43 Resp: 58983
Ion Ratio Lower Upper
43 100
74 23.3 18.0 27.0



#16
Methylene chloride
Concen: 4.764 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU039006.D
Acq: 22 Jun 2020 15:33

Tgt Ion: 84 Resp: 117073
Ion Ratio Lower Upper
84 100
86 66.3 43.1 80.1
49 132.4 90.9 168.9

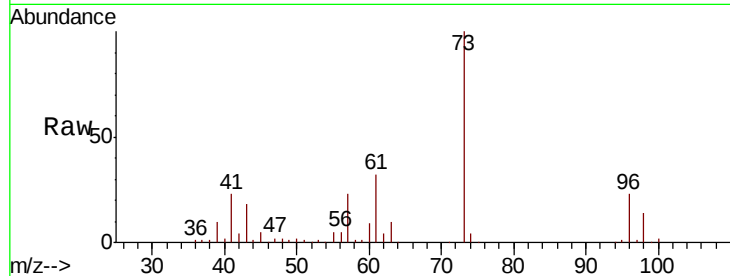




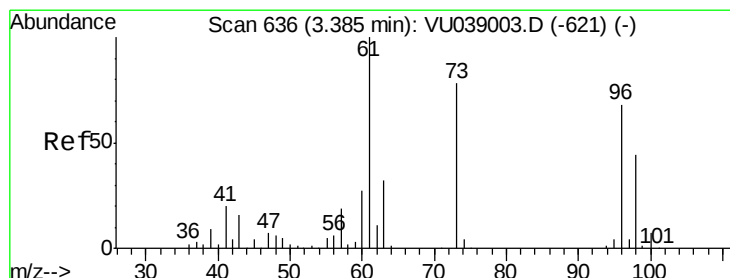
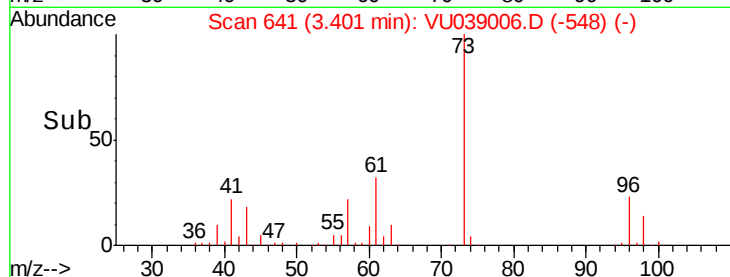
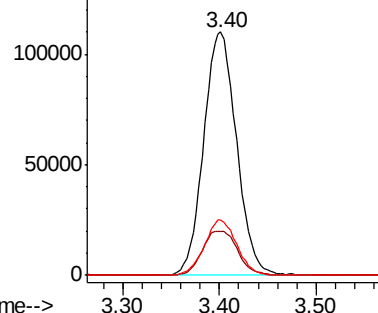
#17
Methvl tert-butvl Ether
Concen: 5.305 ug/L
RT: 3.40 min Scan# 641
Delta R.T. 0.00 min
Lab File: VU039006.D
Acq: 22 Jun 2020 15:33

Instrument :
MSVOA_U
ClientSampleId :
VICV05

Tot Ion: 73 Resp: 259397
Ion Ratio Lower Upper
73 100
43 19.4 16.7 25.1
57 22.4 18.8 28.2

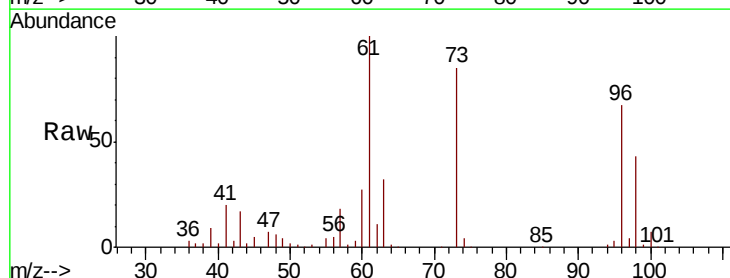


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

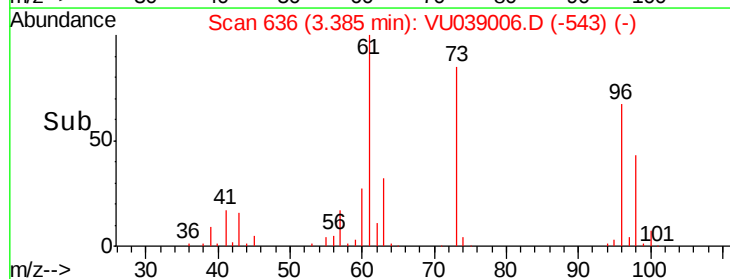
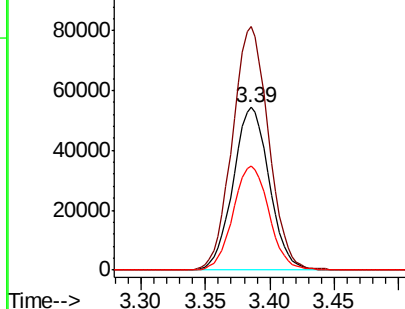


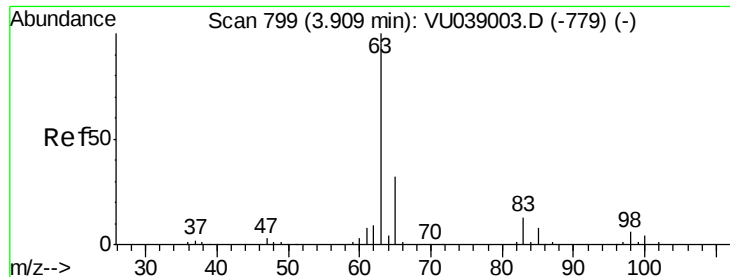
#18
trans-1,2-Dichloroethene
Concen: 4.925 ug/L
RT: 3.39 min Scan# 636
Delta R.T. 0.00 min
Lab File: VU039006.D
Acq: 22 Jun 2020 15:33

Tgt Ion: 96 Resp: 106078
Ion Ratio Lower Upper
96 100
61 149.5 102.6 190.6
98 63.8 45.0 83.6



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

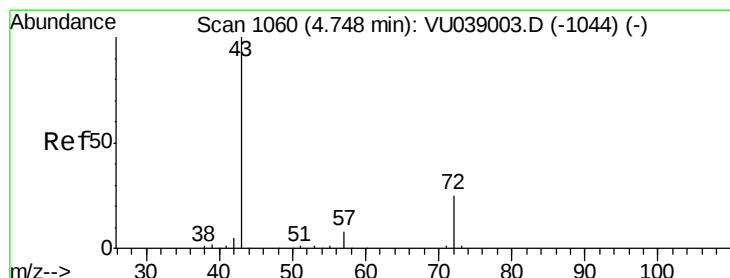
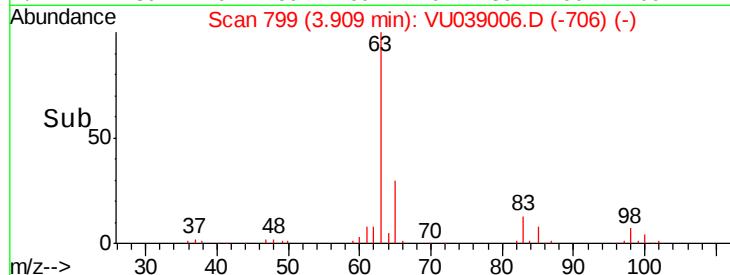
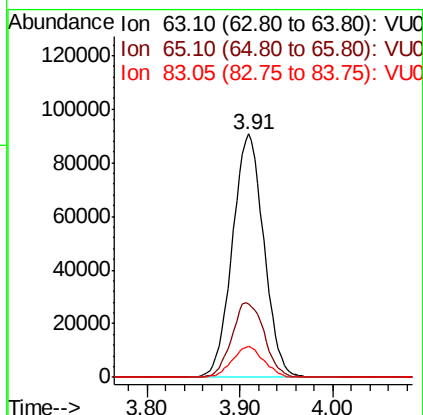
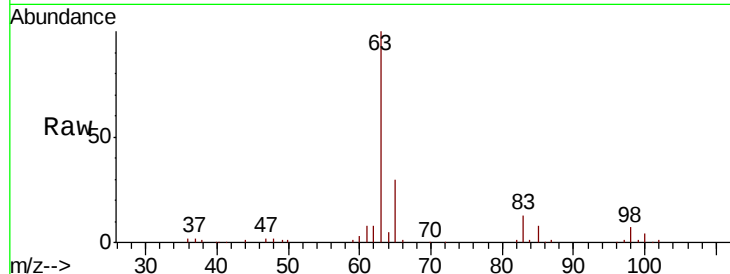




#19
 1,1-Dichloroethane
 Concen: 4.995 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. 0.00 min
 Lab File: VU039006.D
 Acq: 22 Jun 2020 15:33

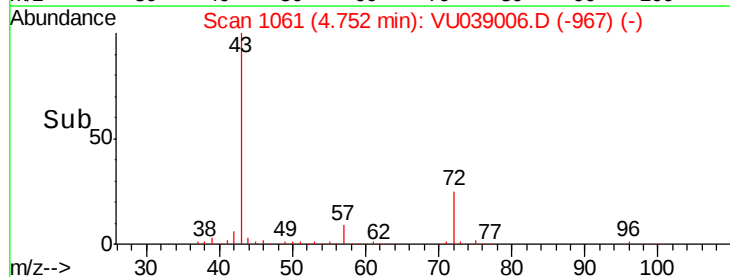
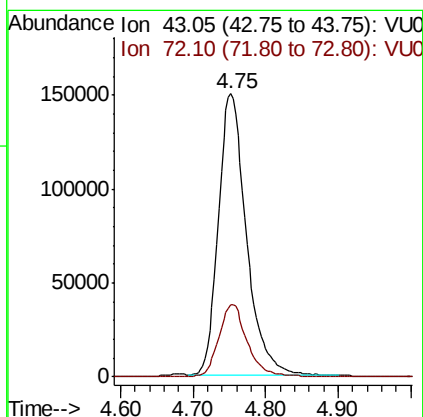
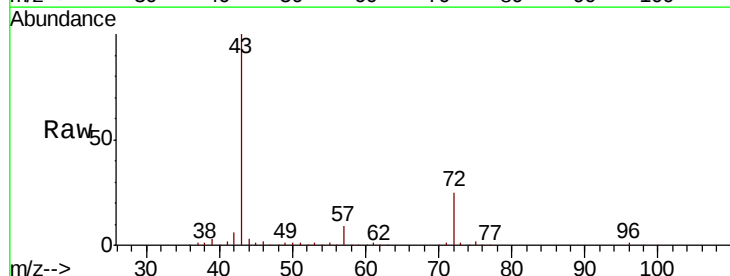
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV05

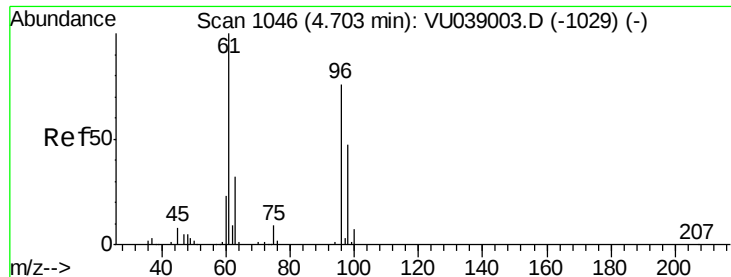
Tot Ion: 63 Resp: 213148
 Ion Ratio Lower Upper
 63 100
 65 30.1 22.5 41.7
 83 12.8 9.2 17.2



#21
 2-Butanone
 Concen: 53.147 ug/L
 RT: 4.75 min Scan# 1061
 Delta R.T. 0.00 min
 Lab File: VU039006.D
 Acq: 22 Jun 2020 15:33

Tgt Ion: 43 Resp: 404187
 Ion Ratio Lower Upper
 43 100
 72 26.1 13.1 39.3





#22

cis-1,2-Dichloroethene

Concen: 5.079 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU039006.D

Acq: 22 Jun 2020 15:33

Instrument :

MSVOA_U

ClientSampled :

VICV05

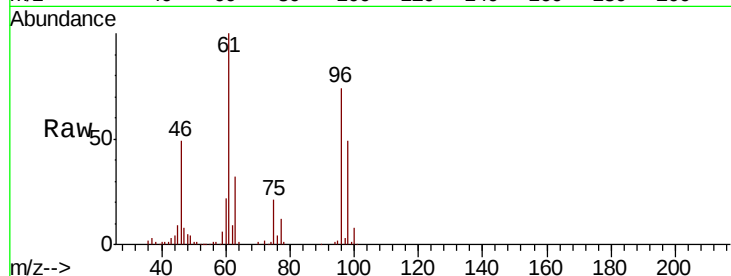
Tot Ion: 96 Resp: 117322

Ion Ratio Lower Upper

96 100

61 136.0 92.0 170.8

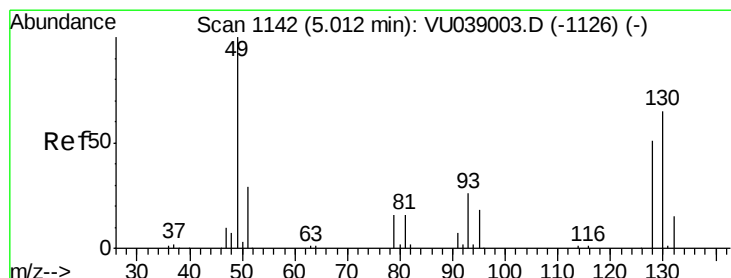
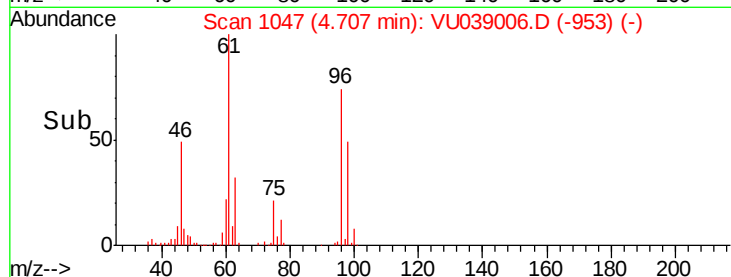
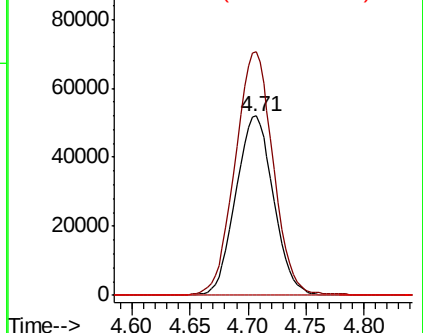
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039006.D (-953) (-)

Ion 61.05 (60.75 to 61.75): VU039006.D (-953) (-)

Ion 68.15 (67.85 to 68.85): VU039006.D (-953) (-)



#23

Bromochloromethane

Concen: 4.811 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU039006.D

Acq: 22 Jun 2020 15:33

Tgt Ion: 128 Resp: 51782

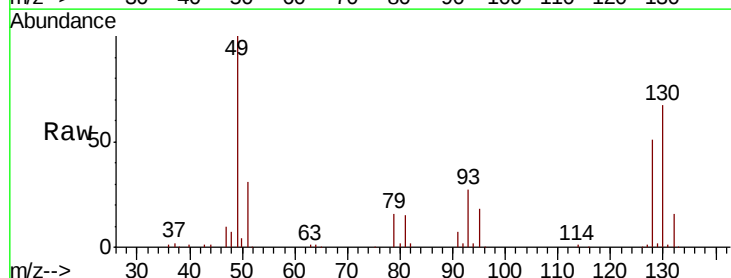
Ion Ratio Lower Upper

128 100

49 197.0 138.4 257.0

130 132.4 90.3 167.7

51 60.1 46.6 69.8

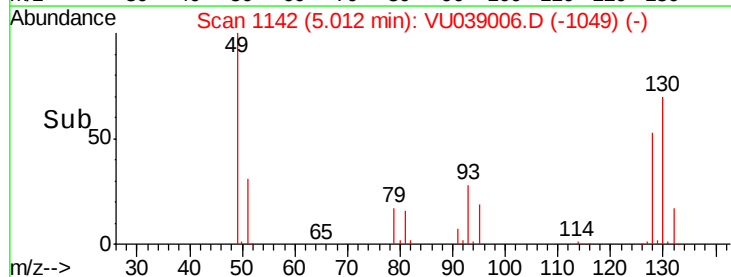
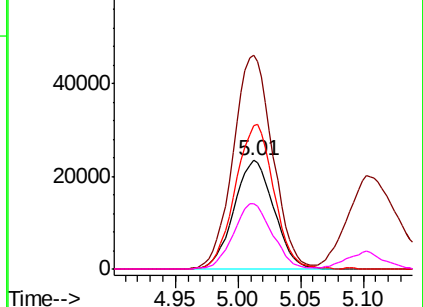


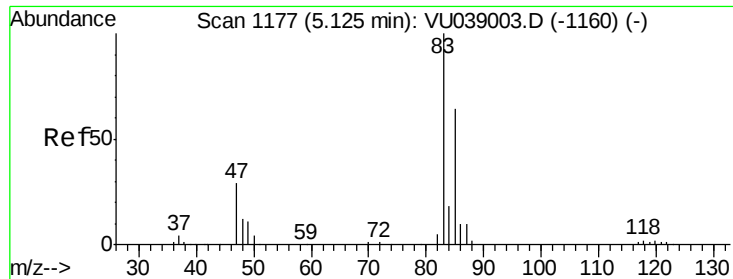
Abundance Ion 127.90 (127.60 to 128.60): VU039006.D (-1049) (-)

Ion 49.10 (48.80 to 49.80): VU039006.D (-1049) (-)

Ion 129.95 (129.65 to 130.65): VU039006.D (-1049) (-)

Ion 51.05 (50.75 to 51.75): VU039006.D (-1049) (-)

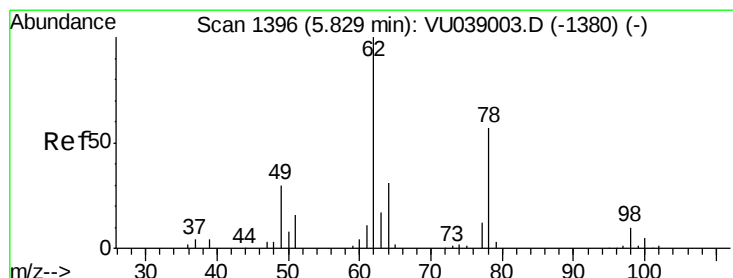
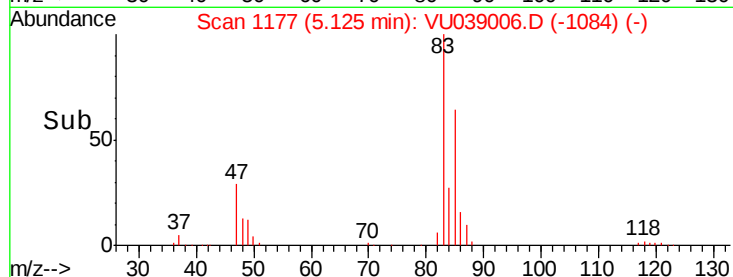
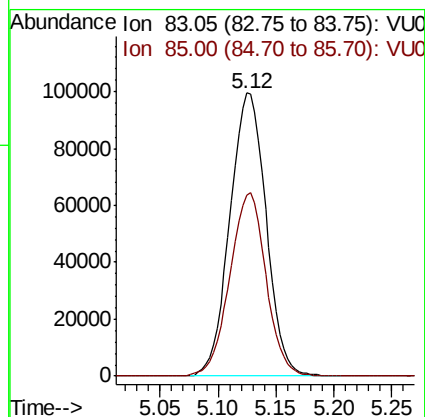
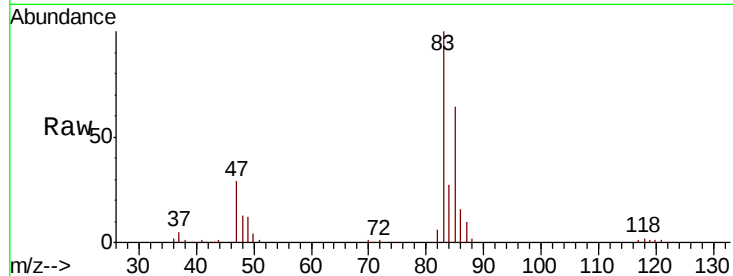




#25
Chloroform
Concen: 4.862 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VU039006.D
Acq: 22 Jun 2020 15:33

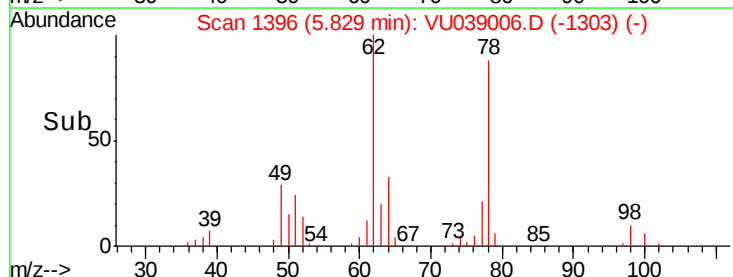
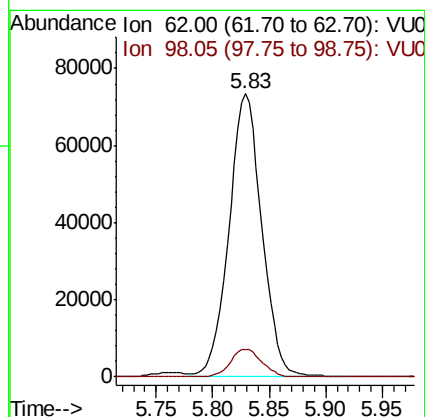
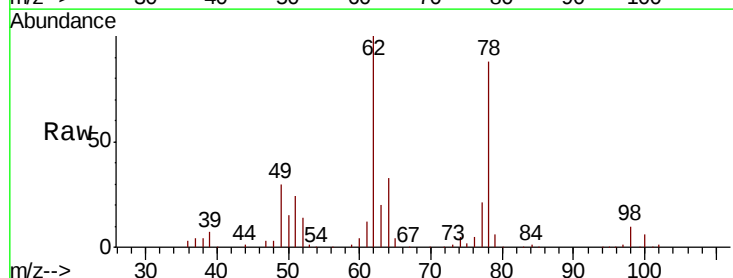
Instrument :
MSVOA_U
ClientSampled :
VICV05

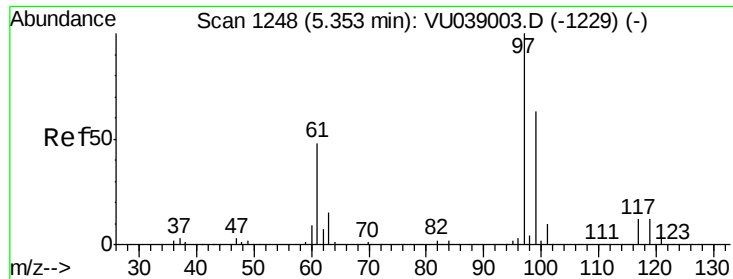
Tot Ion: 83 Resp: 215337
Ion Ratio Lower Upper
83 100
85 64.0 44.9 83.5



#27
1,2-Dichloroethane
Concen: 4.952 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU039006.D
Acq: 22 Jun 2020 15:33

Tgt Ion: 62 Resp: 147593
Ion Ratio Lower Upper
62 100
98 9.8 7.8 11.8

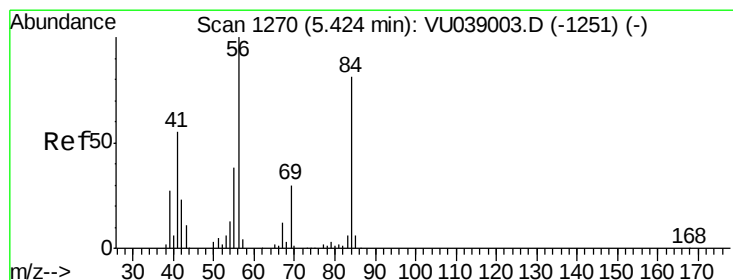
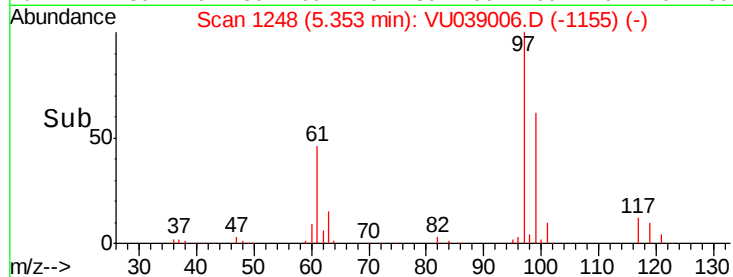
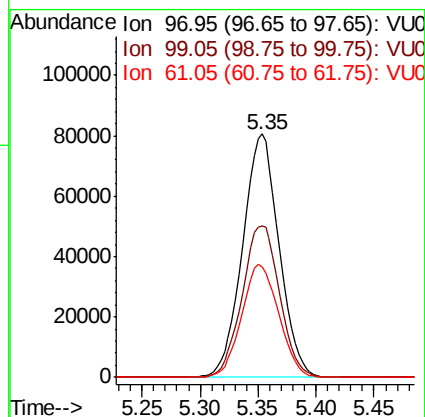
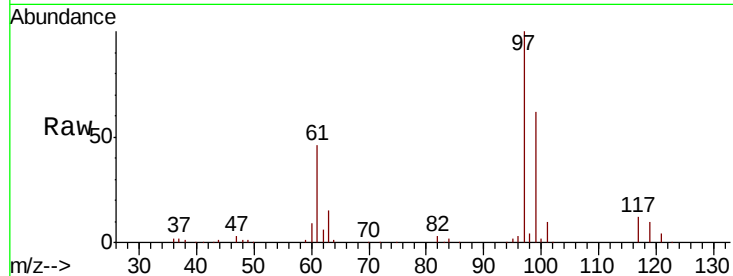




#29
 1,1,1-Trichloroethane
 Concen: 5.096 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VU039006.D
 Acq: 22 Jun 2020 15:33

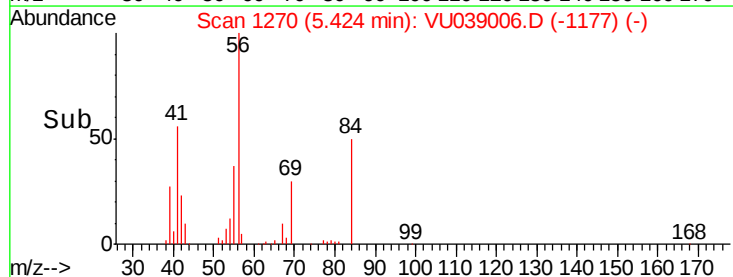
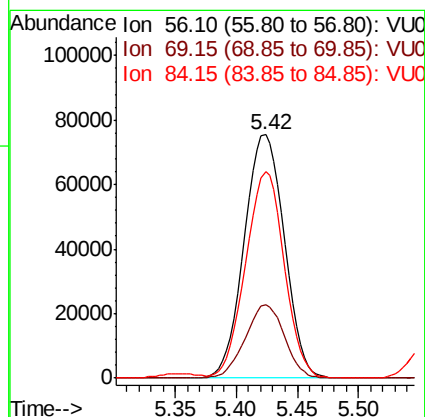
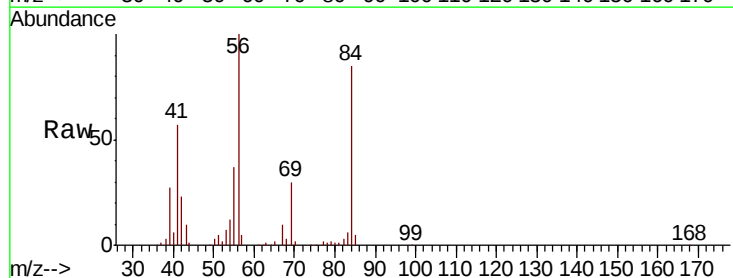
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV05

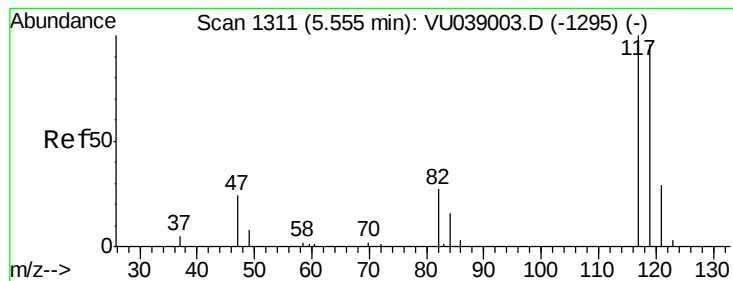
Tot Ion: 97 Resp: 176375
 Ion Ratio Lower Upper
 97 100
 99 64.2 51.7 77.5
 61 47.3 38.2 57.4



#30
 Cyclohexane
 Concen: 5.035 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VU039006.D
 Acq: 22 Jun 2020 15:33

Tgt Ion: 56 Resp: 171860
 Ion Ratio Lower Upper
 56 100
 69 29.4 23.5 35.3
 84 81.7 67.1 100.7





#31

Carbon tetrachloride

Concen: 4.878 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU039006.D

Acq: 22 Jun 2020 15:33

Instrument :

MSVOA_U

ClientSampleId :

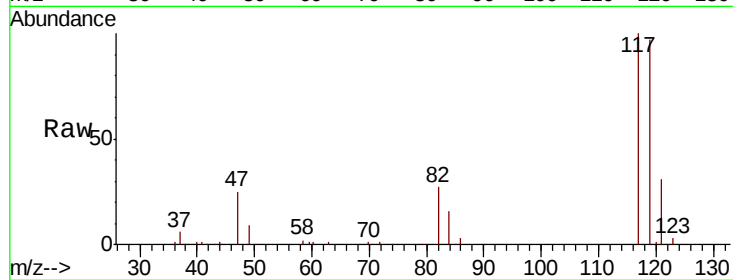
VICV05

Tot Ion:117 Resp: 140962

Ion Ratio Lower Upper

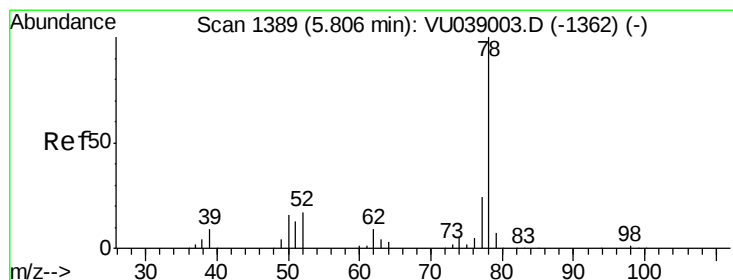
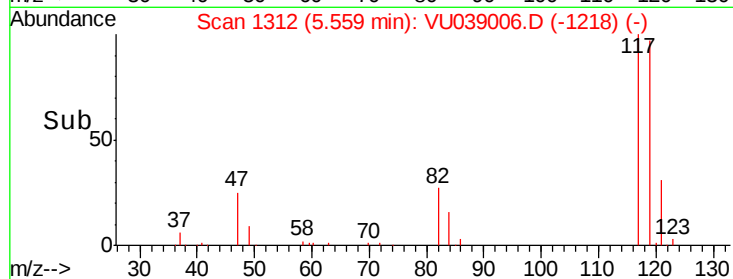
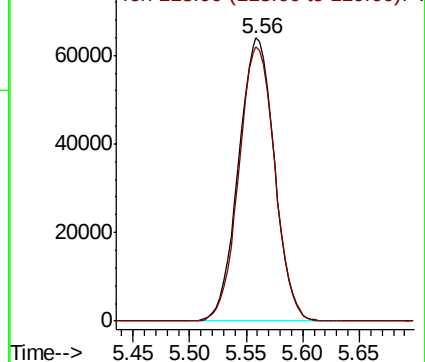
117 100

119 96.9 76.6 114.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.224 ug/L

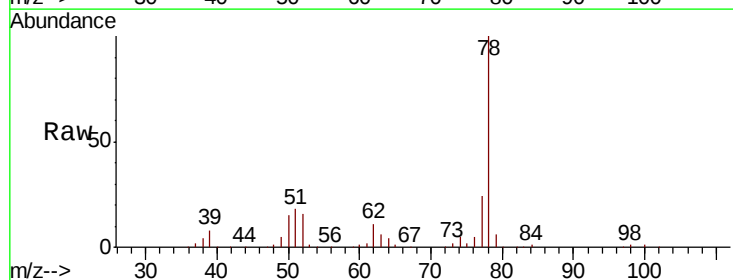
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

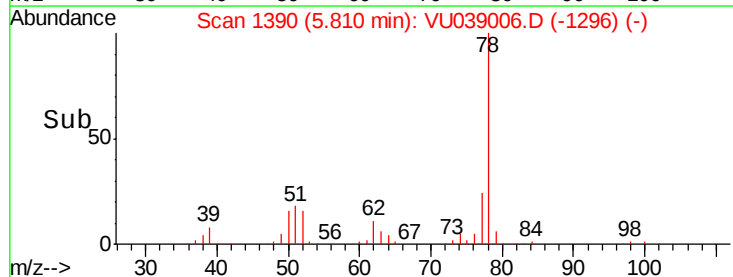
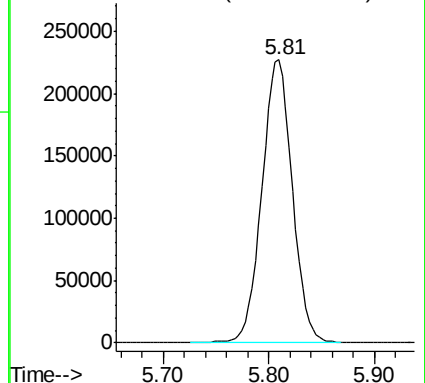
Lab File: VU039006.D

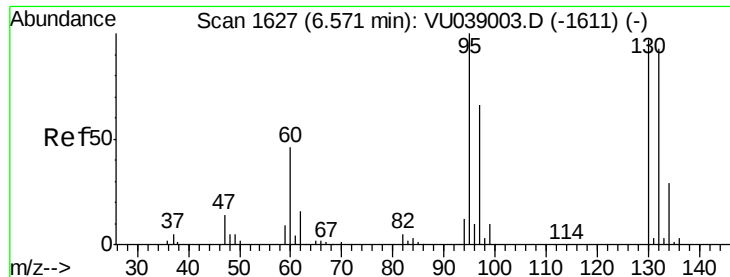
Acq: 22 Jun 2020 15:33

Tgt Ion: 78 Resp: 457274



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.078 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VU039006.D

Acq: 22 Jun 2020 15:33

Instrument :

MSVOA_U

ClientSampleId :

VICV05

Tot Ion: 95 Resp: 110930

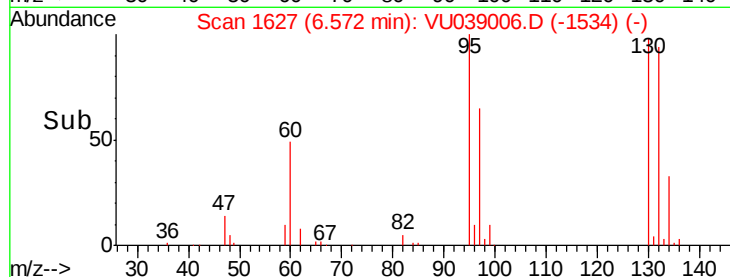
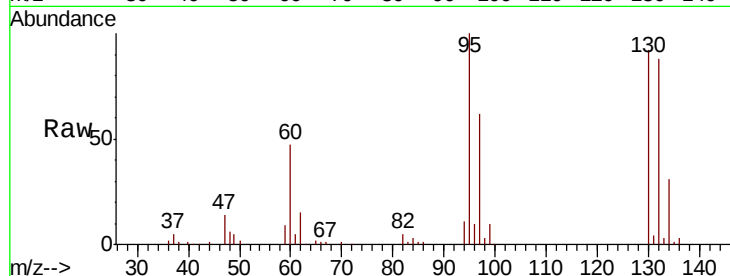
Ion Ratio Lower Upper

95 100

97 61.5 46.0 85.4

132 88.0 65.0 120.6

130 91.8 68.0 126.2

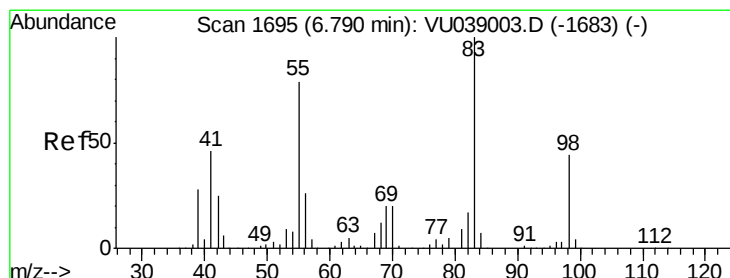
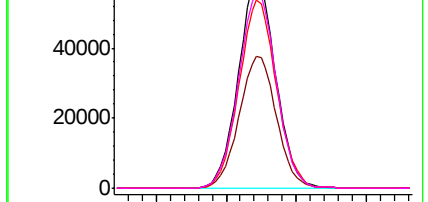


Abundance Ion 95.00 (94.70 to 95.70): VU039006.D (-1534) (-)

Ion 96.95 (96.65 to 97.65): VU039006.D (-1534) (-)

Ion 131.95 (131.65 to 132.65): VU039006.D (-1534) (-)

Ion 129.95 (129.65 to 130.65): VU039006.D (-1534) (-)



#35

Methylcyclohexane

Concen: 5.003 ug/L

RT: 6.79 min Scan# 1696

Delta R.T. 0.00 min

Lab File: VU039006.D

Acq: 22 Jun 2020 15:33

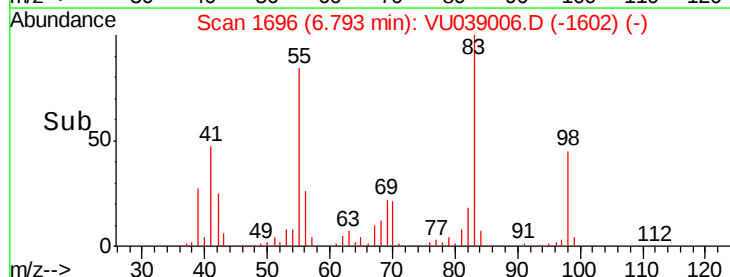
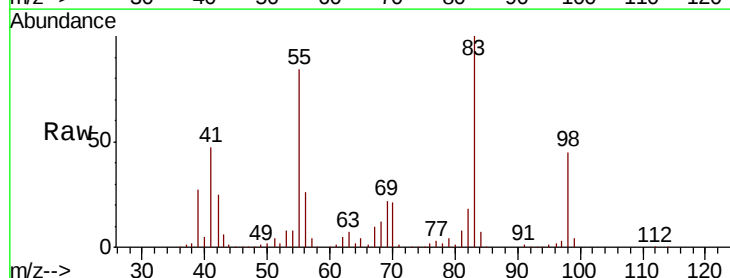
Tgt Ion: 83 Resp: 165549

Ion Ratio Lower Upper

83 100

55 81.7 65.1 97.7

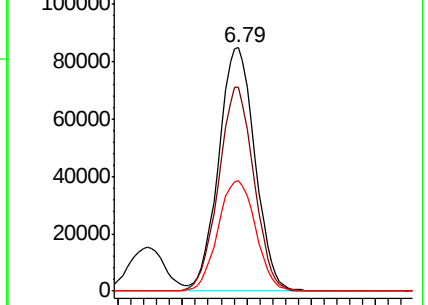
98 47.0 37.0 55.4

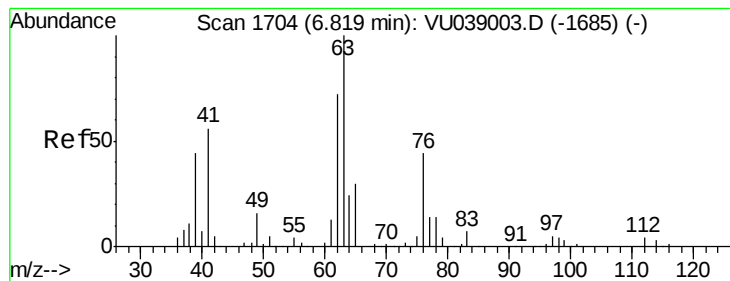


Abundance Ion 83.15 (82.85 to 83.85): VU039006.D (-1602) (-)

Ion 55.10 (54.80 to 55.80): VU039006.D (-1602) (-)

Ion 98.15 (97.85 to 98.85): VU039006.D (-1602) (-)





#37

1,2-Dichloropropane

Concen: 5.104 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. 0.00 min

Lab File: VU039006.D

Acq: 22 Jun 2020 15:33

Instrument :

MSVOA_U

ClientSampleId :

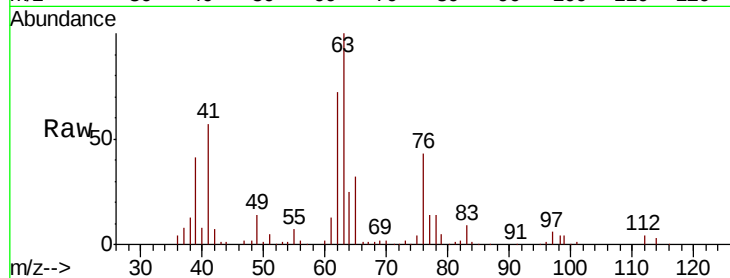
VICV05

Tot Ion: 63 Resp: 120119

Ion Ratio Lower Upper

63 100

112 4.2 3.4 5.2



Abundance Ion 63.10 (62.80 to 63.80): VU039003.D (-1685) (-)

Ion 112.10 (111.80 to 112.80): VU039003.D (-1685) (-)

6.82

60000

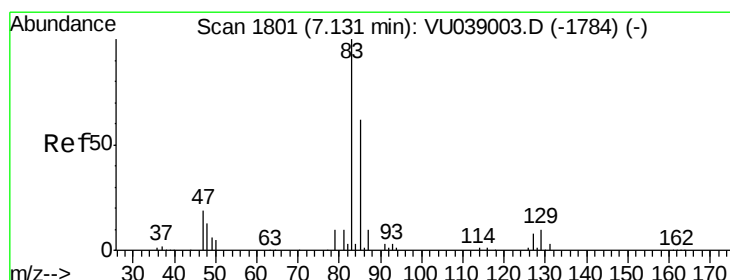
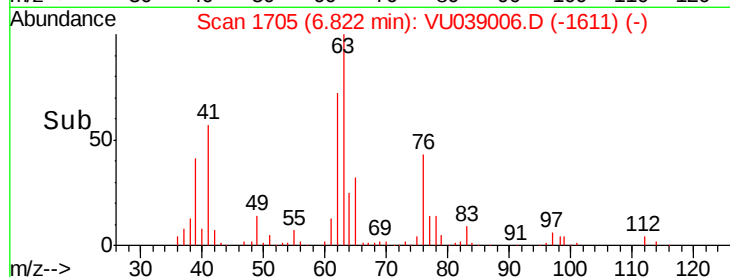
40000

20000

0

6.75 6.80 6.85 6.90

Time-->



#38

Bromodichloromethane

Concen: 5.160 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VU039006.D

Acq: 22 Jun 2020 15:33

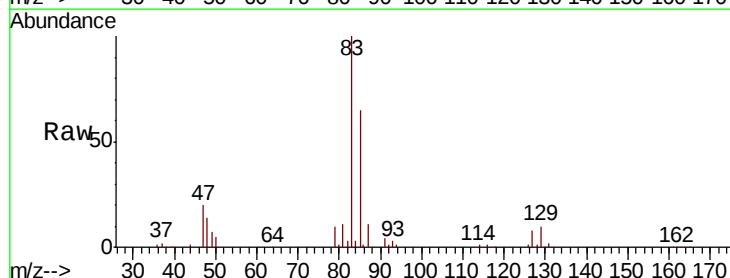
Tgt Ion: 83 Resp: 149948

Ion Ratio Lower Upper

83 100

85 65.0 43.6 81.0

127 8.2 6.1 9.1



Abundance Ion 82.95 (82.65 to 83.65): VU039003.D (-1784) (-)

Ion 85.00 (84.70 to 85.70): VU039003.D (-1784) (-)

Ion 126.90 (126.60 to 127.60): VU039003.D (-1784) (-)

7.13

100000

80000

60000

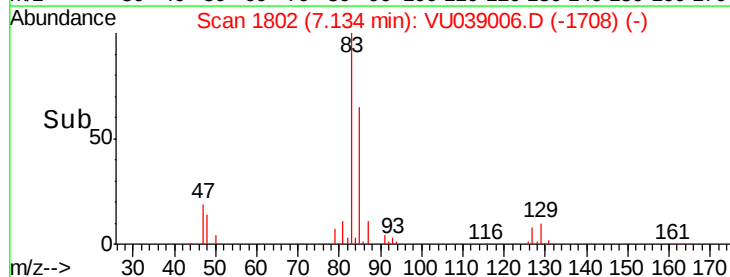
40000

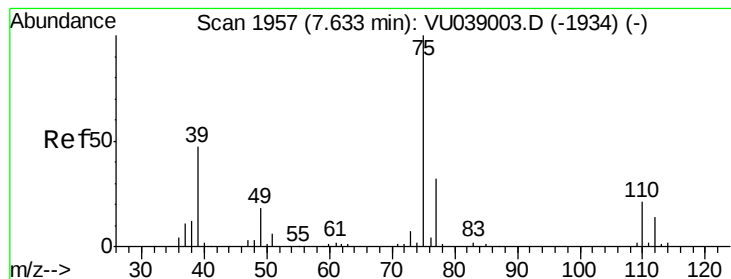
20000

0

7.05 7.10 7.15 7.20

Time-->



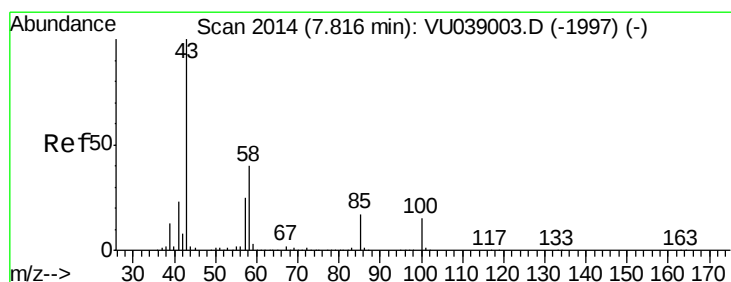
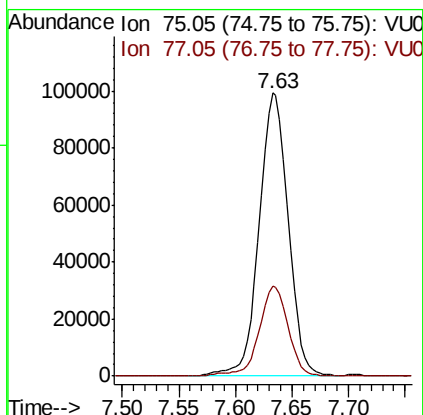
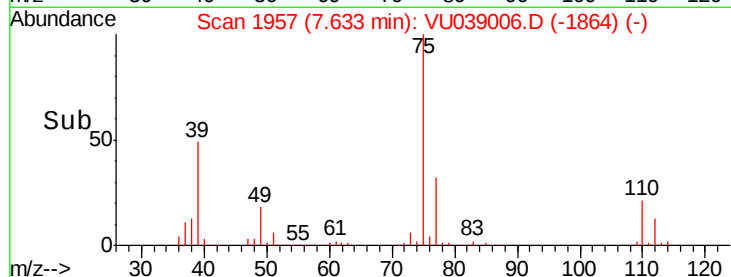
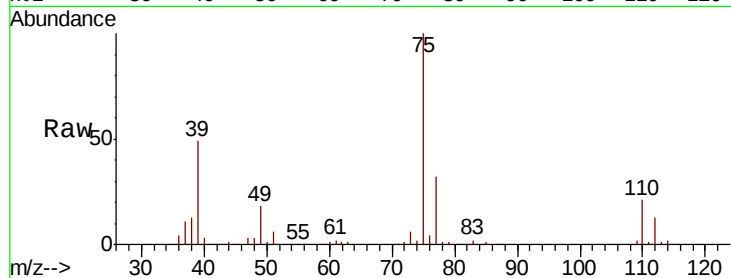


#39

cis-1,3-Dichloropropene
 Concen: 5.291 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU039006.D
 Acq: 22 Jun 2020 15:33

Instrument :
 MSVOA_U
 ClientSampled :
 VICV05

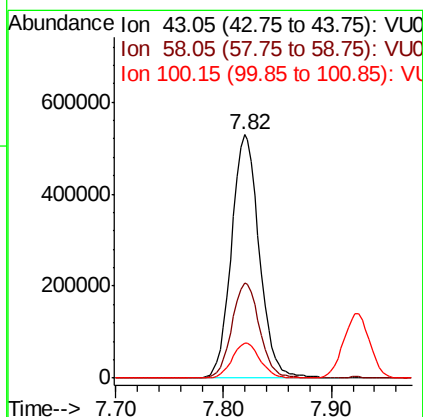
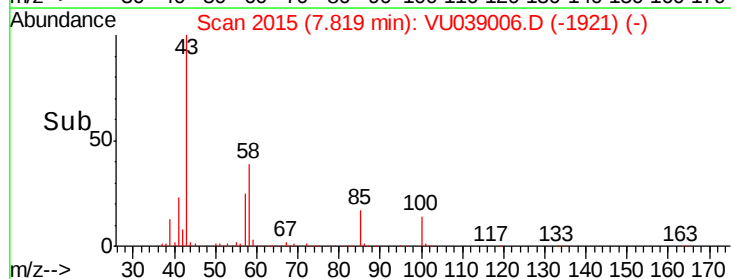
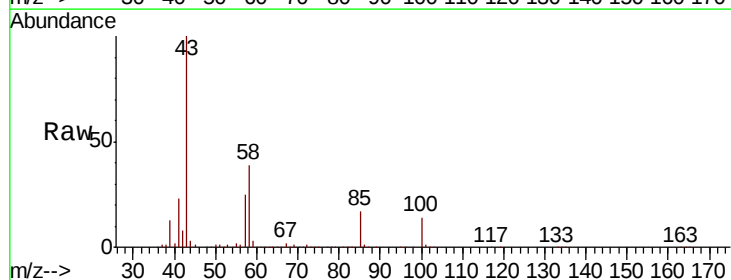
Tot Ion: 75 Resp: 177803
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.0 41.0

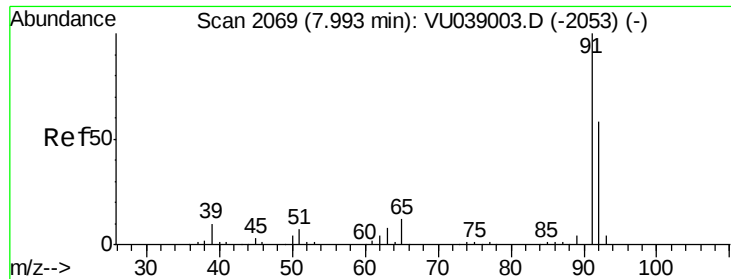


#40

4-Methyl-2-pentanone
 Concen: 55.001 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. 0.00 min
 Lab File: VU039006.D
 Acq: 22 Jun 2020 15:33

Tgt Ion: 43 Resp: 946226
 Ion Ratio Lower Upper
 43 100
 58 39.1 31.4 47.0
 100 14.5 11.6 17.4





#42

Toluene

Concen: 5.231 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU039006.D

Acq: 22 Jun 2020 15:33

Instrument :

MSVOA_U

ClientSampleId :

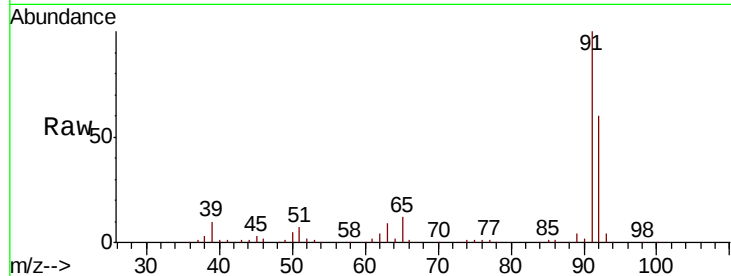
VICV05

Tot Ion: 91 Resp: 460076

Ion Ratio Lower Upper

91 100

92 60.1 40.9 76.0



Abundance Ion 91.15 (90.85 to 91.85): VU039003.D (-2053) (-)

Ion 92.15 (91.85 to 92.85): VU039006.D (-1976) (-)

8.00

250000

200000

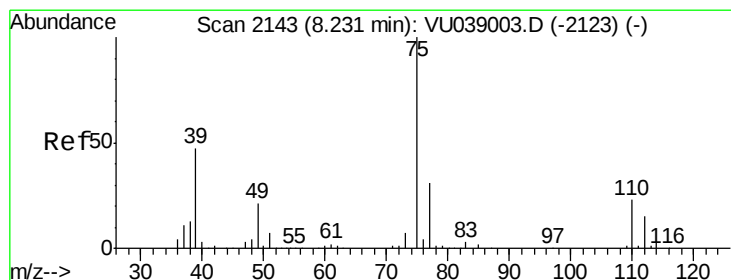
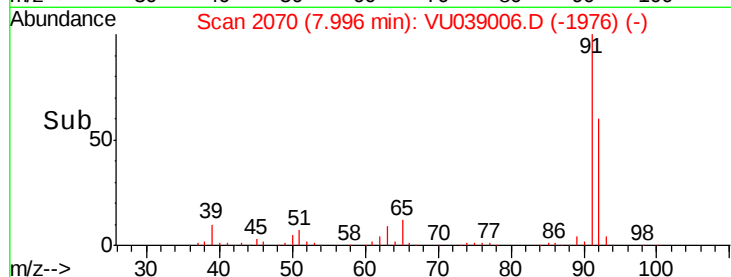
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.397 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU039006.D

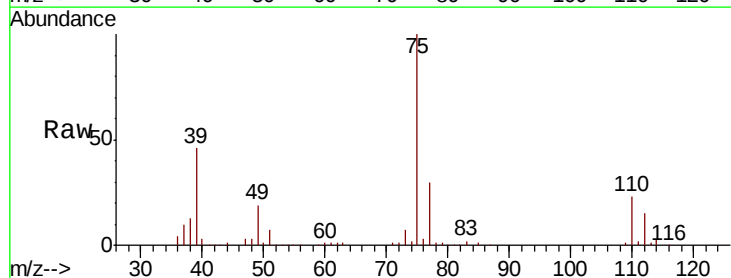
Acq: 22 Jun 2020 15:33

Tgt Ion: 75 Resp: 162608

Ion Ratio Lower Upper

75 100

77 30.3 21.8 40.6



Abundance Ion 75.05 (74.75 to 75.75): VU039003.D (-2123) (-)

Ion 77.05 (76.75 to 77.75): VU039006.D (-2050) (-)

8.23

100000

80000

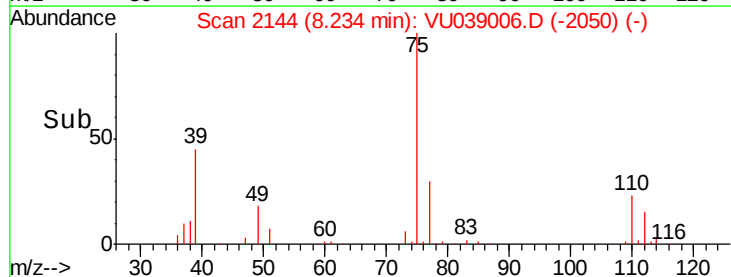
60000

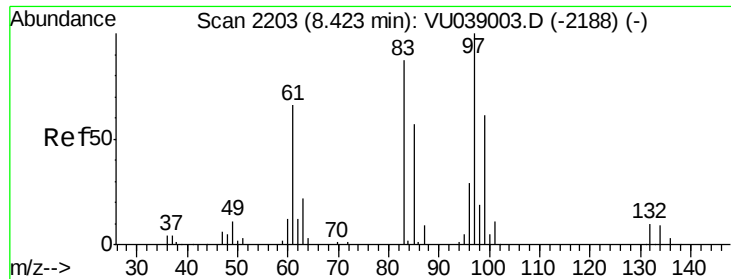
40000

20000

0

Time-->

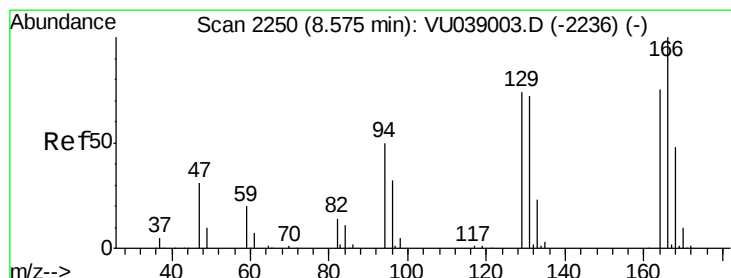
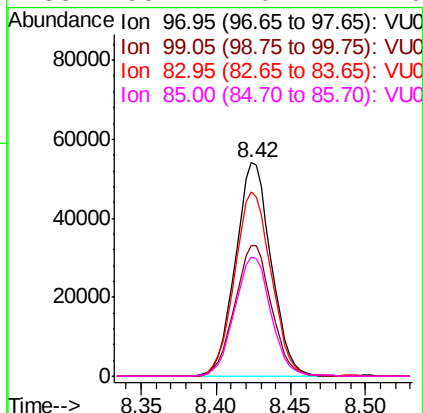
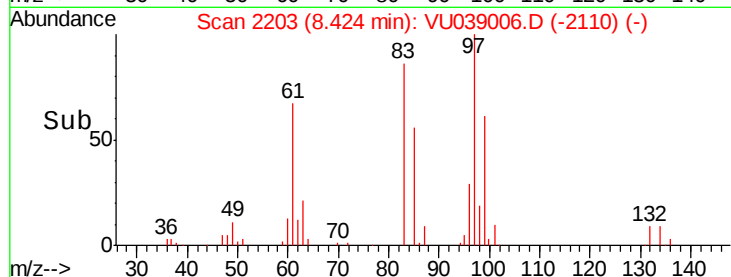
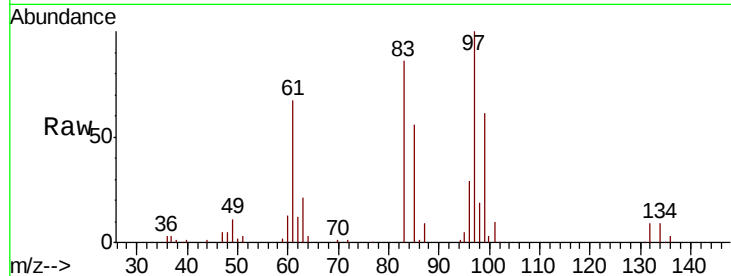




#45
1,1,2-Trichloroethane
Concen: 5.188 ug/L
RT: 8.42 min Scan# 2203
Delta R.T. 0.00 min
Lab File: VU039006.D
Acq: 22 Jun 2020 15:33

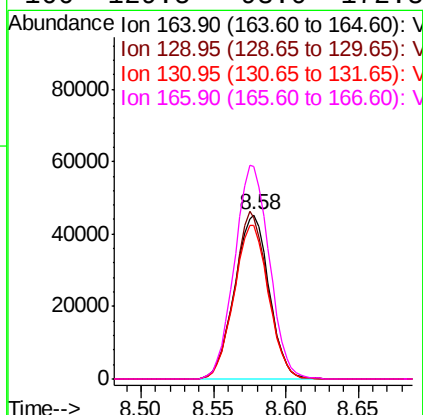
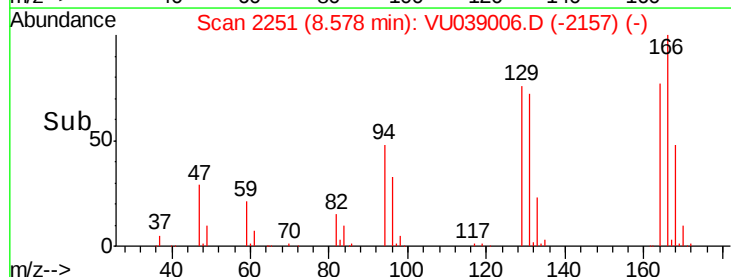
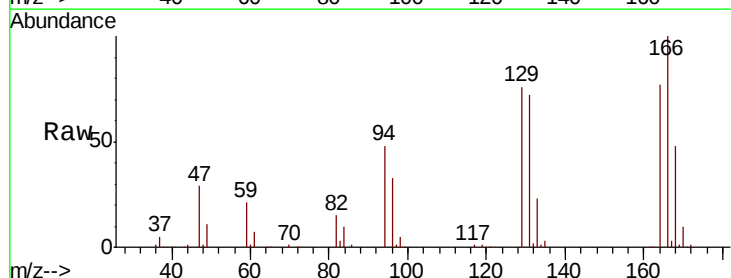
Instrument :
MSVOA_U
ClientSampled :
VICV05

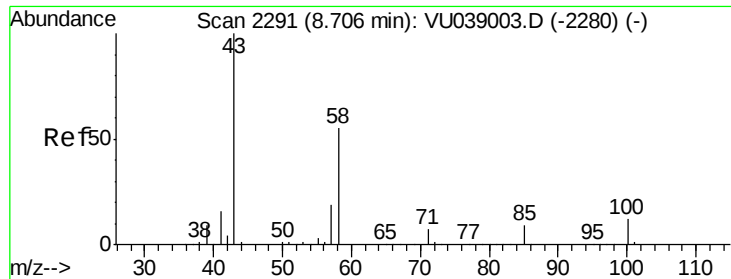
Tot Ion:	97	Resp:	89901
Ion	Ratio	Lower	Upper
97	100		
99	60.9	42.8	79.4
83	86.4	60.9	113.1
85	55.7	40.2	74.6



#47
Tetrachloroethene
Concen: 4.870 ug/L
RT: 8.58 min Scan# 2251
Delta R.T. 0.00 min
Lab File: VU039006.D
Acq: 22 Jun 2020 15:33

Tgt Ion:	164	Resp:	74915
Ion	Ratio	Lower	Upper
164	100		
129	97.9	69.2	128.6
131	93.3	66.9	124.3
166	129.5	93.0	172.8

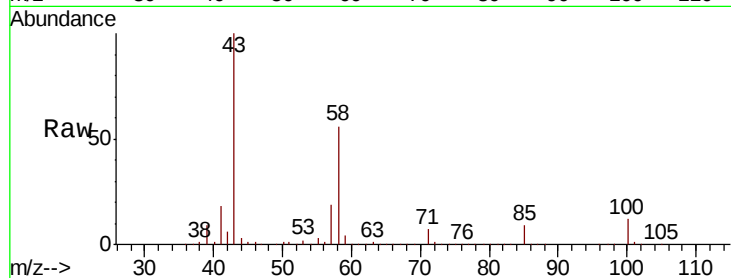




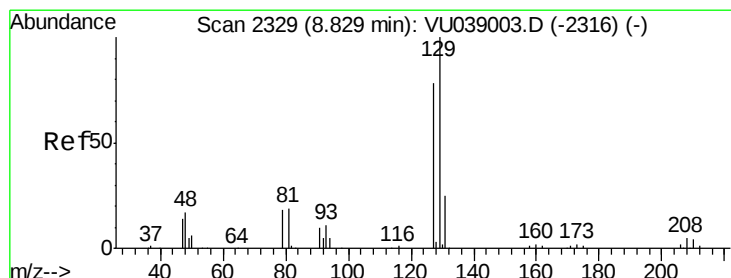
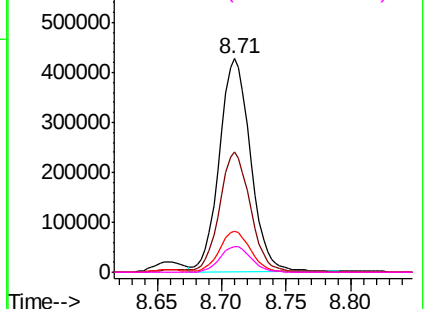
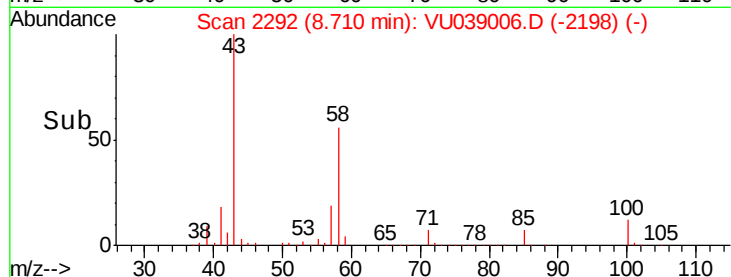
#48
2-Hexanone
Concen: 55.063 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU039006.D
Acq: 22 Jun 2020 15:33

Instrument :
MSVOA_U
ClientSampleId :
VICV05

Tot Ion: 43 Resp: 717011
Ion Ratio Lower Upper
43 100
58 56.2 43.5 65.3
57 19.1 15.0 22.4
100 12.0 9.4 14.2

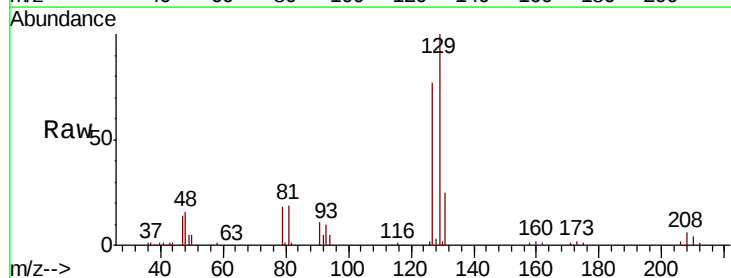


Abundance Ion 43.05 (42.75 to 43.75): VU039006.D (-2198) (-)
Ion 58.05 (57.75 to 58.75): VU039006.D (-2198) (-)
Ion 57.20 (56.90 to 57.90): VU039006.D (-2198) (-)
Ion 100.15 (99.85 to 100.85): VU039006.D (-2198) (-)

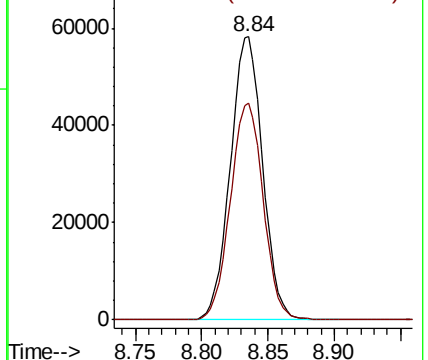
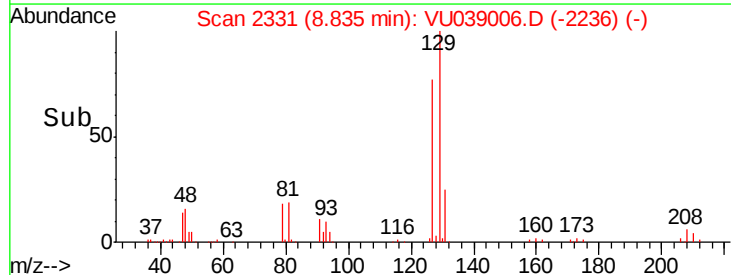


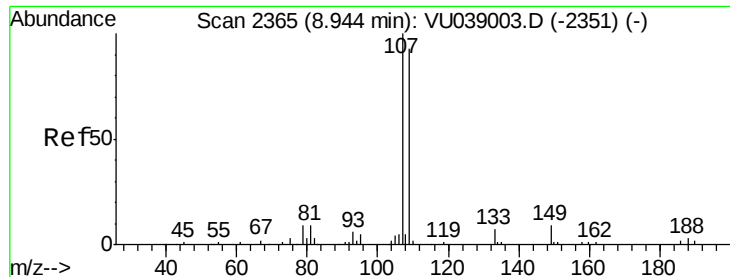
#49
Dibromochloromethane
Concen: 5.150 ug/L
RT: 8.84 min Scan# 2331
Delta R.T. 0.01 min
Lab File: VU039006.D
Acq: 22 Jun 2020 15:33

Tgt Ion: 129 Resp: 98436
Ion Ratio Lower Upper
129 100
127 76.8 54.7 101.5



Abundance Ion 128.95 (128.65 to 129.65): VU039006.D (-2236) (-)
Ion 126.90 (126.60 to 127.60): VU039006.D (-2236) (-)

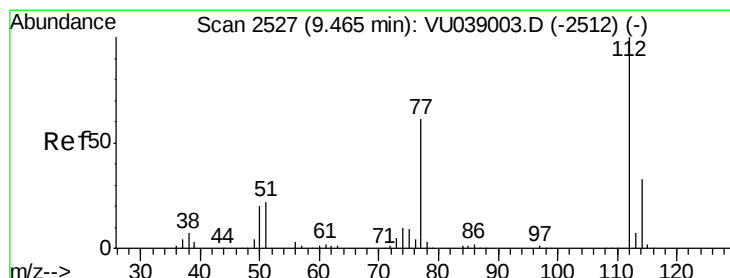
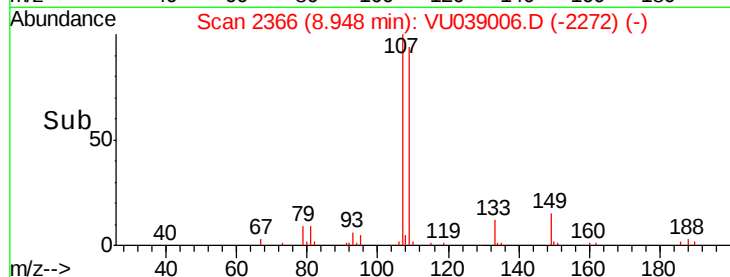
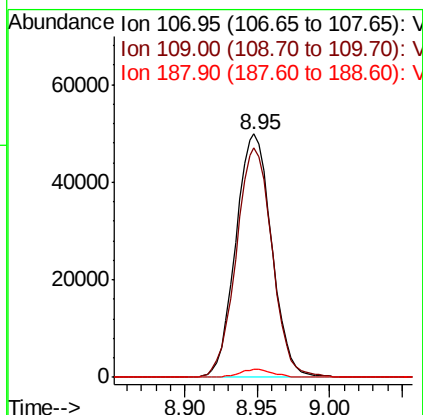
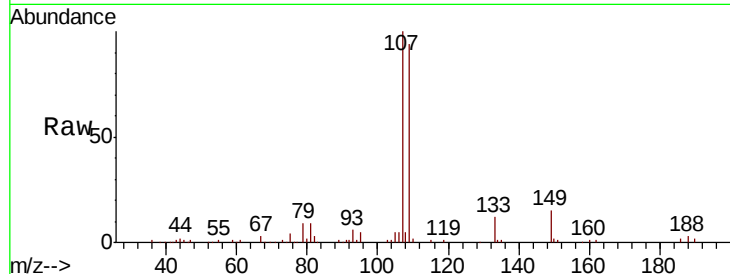




#50
1,2-Dibromoethane
Concen: 5.237 ug/L
RT: 8.95 min Scan# 2366
Delta R.T. 0.00 min
Lab File: VU039006.D
Acq: 22 Jun 2020 15:33

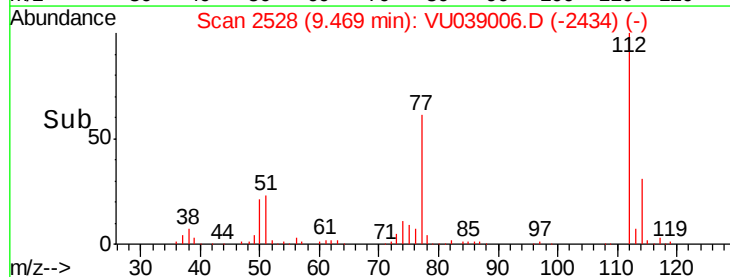
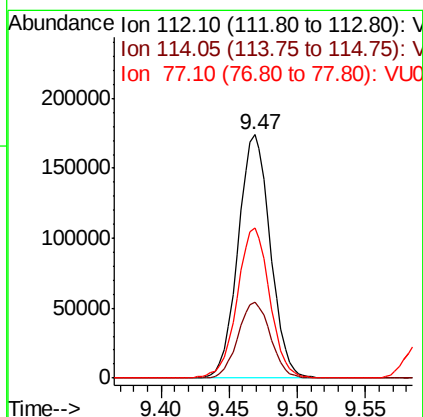
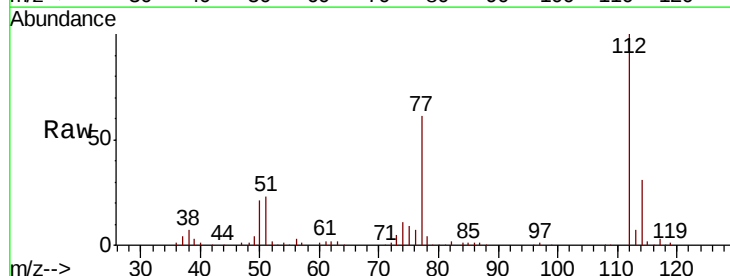
Instrument :
MSVOA_U
ClientSampleId :
VICV05

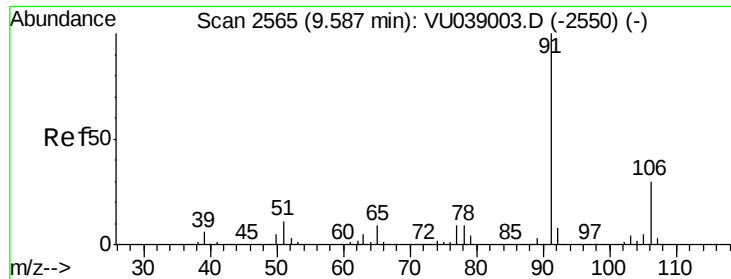
Tot Ion:107 Resp: 85870
Ion Ratio Lower Upper
107 100
109 94.4 65.0 120.6
188 3.3 2.2 3.2#



#51
Chlorobenzene
Concen: 5.086 ug/L
RT: 9.47 min Scan# 2528
Delta R.T. 0.00 min
Lab File: VU039006.D
Acq: 22 Jun 2020 15:33

Tgt Ion:112 Resp: 285777
Ion Ratio Lower Upper
112 100
114 31.1 23.0 42.8
77 61.5 49.2 73.8

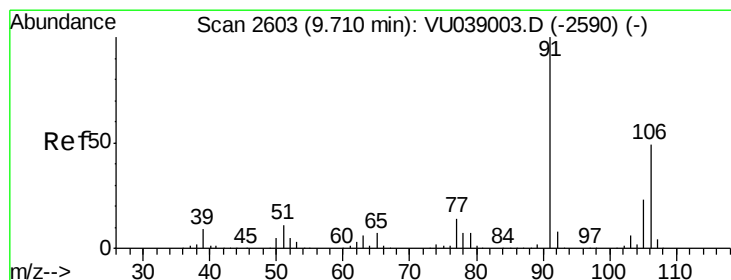
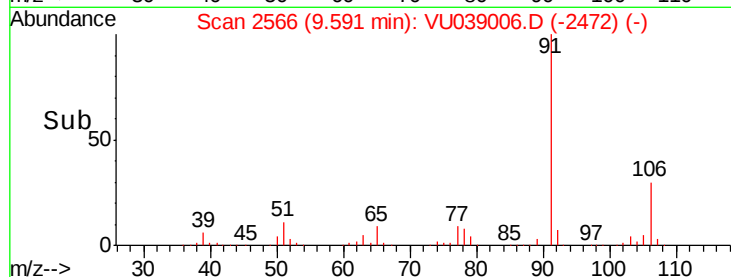
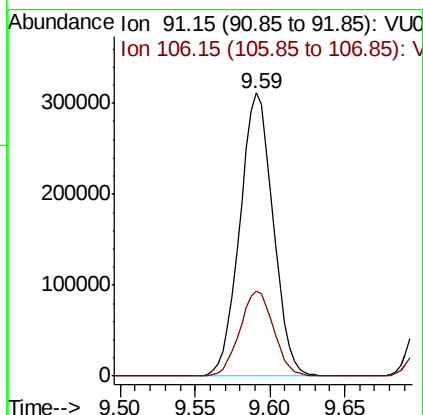
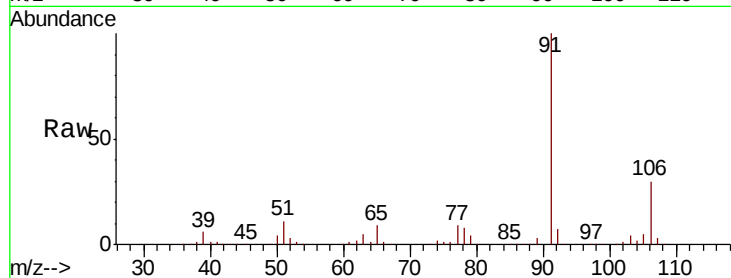




#52
Ethylbenzene
Concen: 5.117 ug/L
RT: 9.59 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VU039006.D
Acq: 22 Jun 2020 15:33

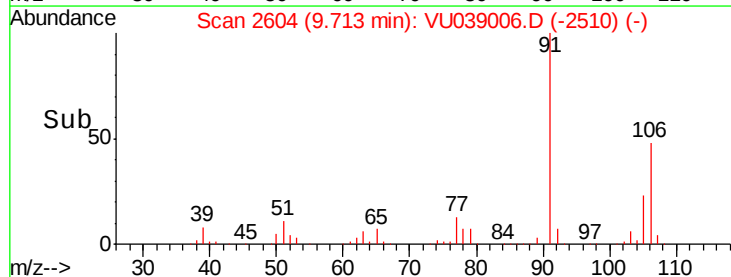
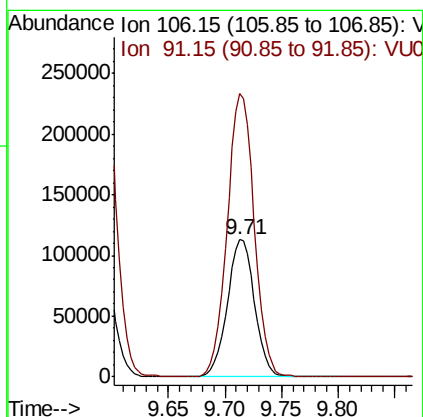
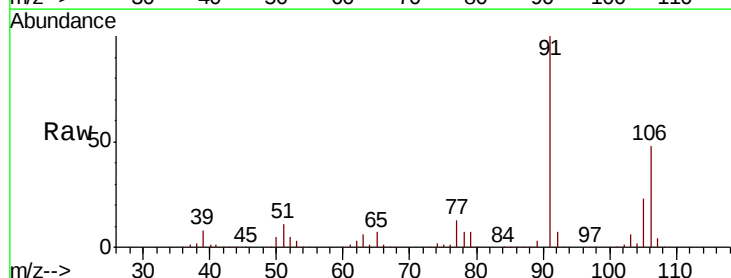
Instrument :
MSVOA_U
ClientSampleId :
VICV05

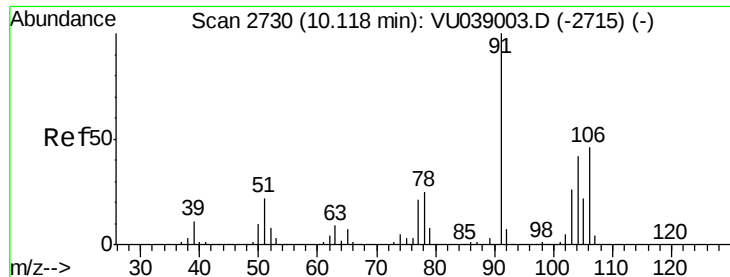
Tot Ion: 91 Resp: 482377
Ion Ratio Lower Upper
91 100
106 30.2 21.1 39.3



#53
m,p-Xylene
Concen: 5.303 ug/L
RT: 9.71 min Scan# 2604
Delta R.T. 0.00 min
Lab File: VU039006.D
Acq: 22 Jun 2020 15:33

Tgt Ion: 106 Resp: 189063
Ion Ratio Lower Upper
106 100
91 206.8 144.4 268.2

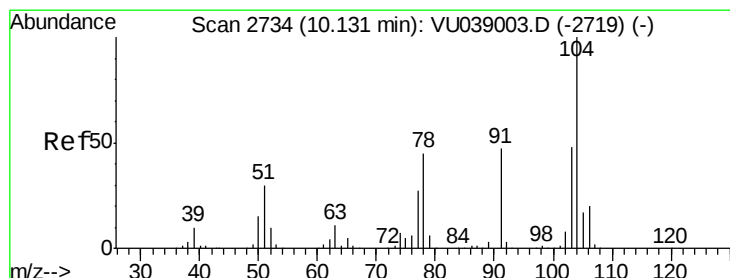
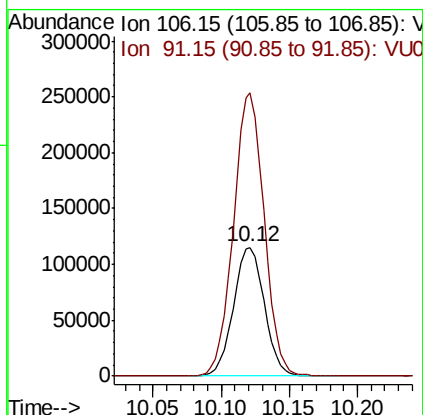
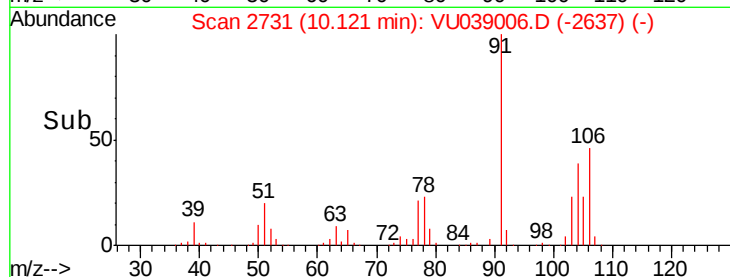
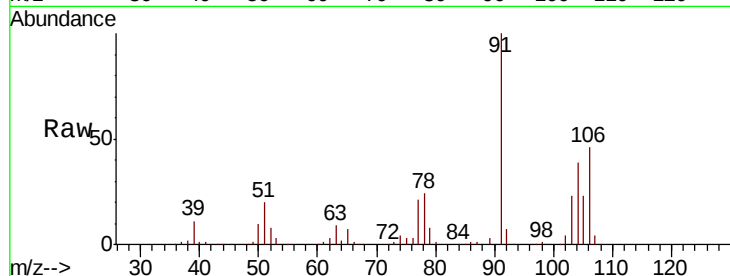




#54
o-Xylene
Concen: 5.346 ug/L
RT: 10.12 min Scan# 2731
Delta R.T. 0.00 min
Lab File: VU039006.D
Acq: 22 Jun 2020 15:33

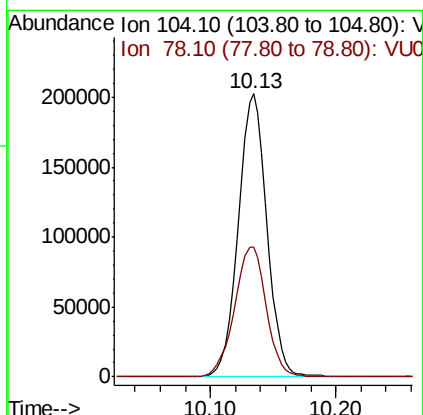
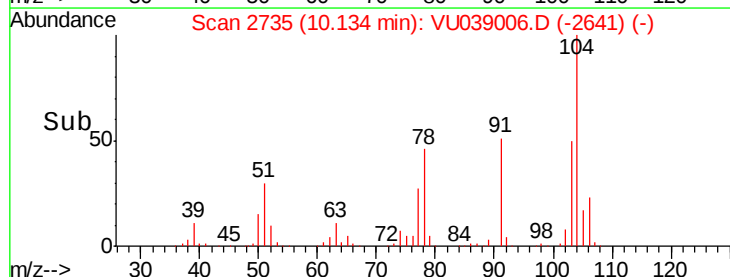
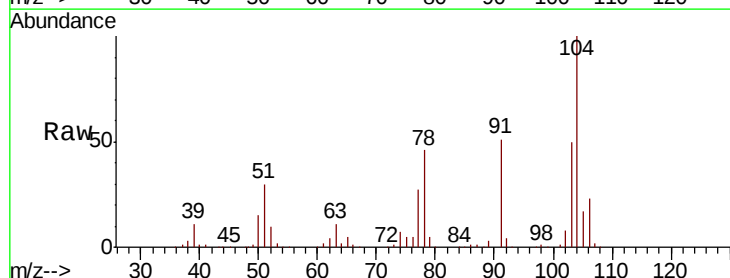
Instrument :
MSVOA_U
ClientSampled :
VICV05

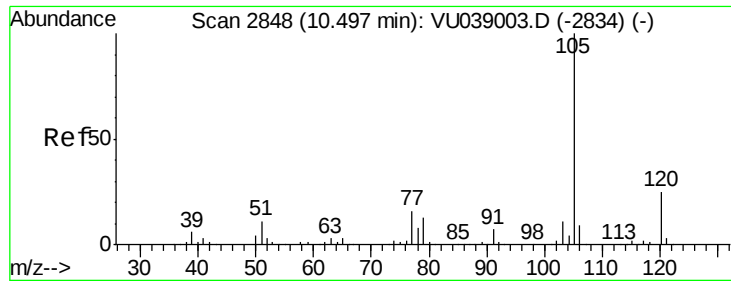
Tot Ion:106 Resp: 181176
Ion Ratio Lower Upper
106 100
91 219.3 153.3 284.7



#55
Styrene
Concen: 5.492 ug/L
RT: 10.13 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VU039006.D
Acq: 22 Jun 2020 15:33

Tgt Ion:104 Resp: 320091
Ion Ratio Lower Upper
104 100
78 45.7 31.9 59.2





#56

Isopropylbenzene

Concen: 5.187 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. 0.01 min

Lab File: VU039006.D

Acq: 22 Jun 2020 15:33

Instrument :

MSVOA_U

ClientSampleId :

VICV05

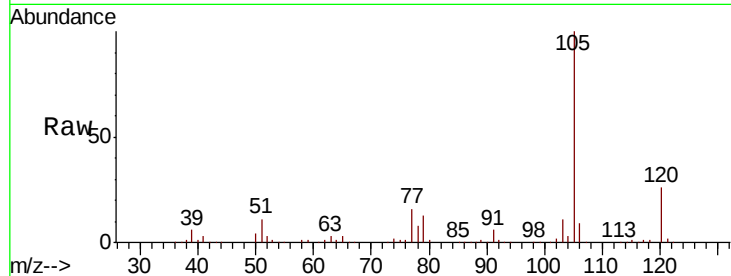
Tot Ion:105 Resp: 465349

Ion Ratio Lower Upper

105 100

120 25.8 20.1 30.1

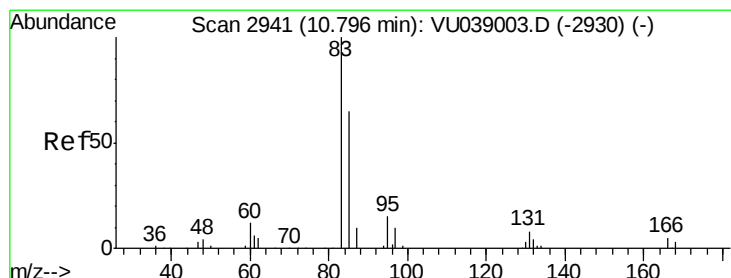
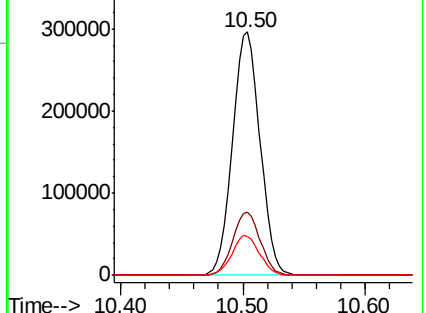
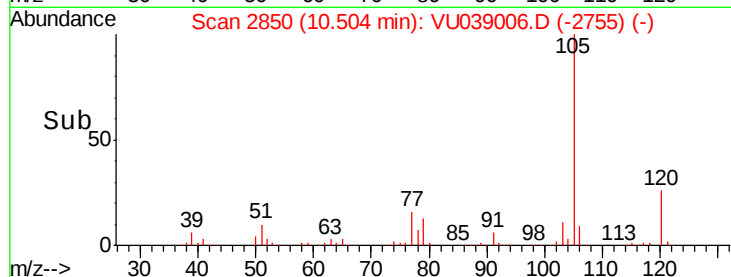
77 16.4 13.0 19.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.164 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU039006.D

Acq: 22 Jun 2020 15:33

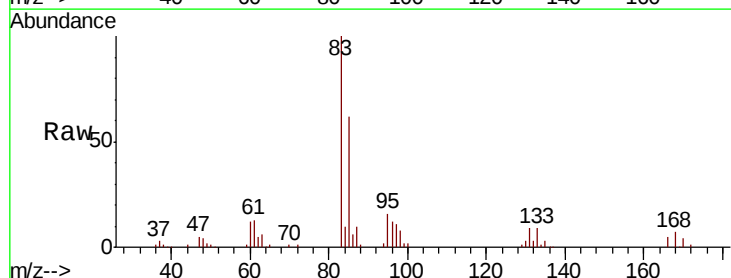
Tgt Ion: 83 Resp: 118501

Ion Ratio Lower Upper

83 100

85 62.5 45.2 84.0

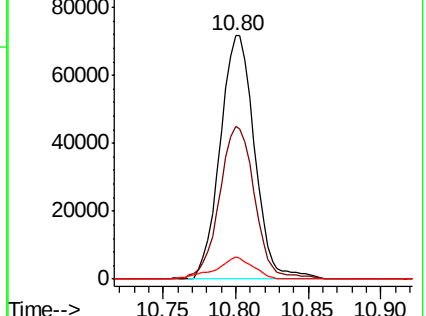
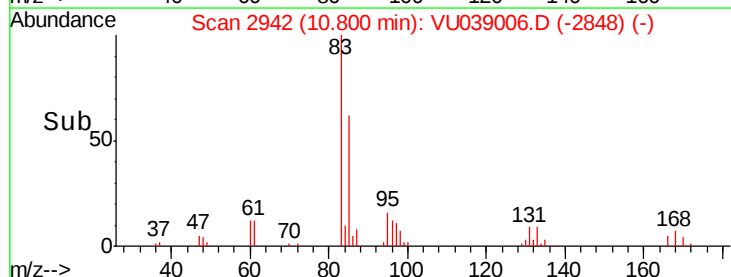
131 9.1 7.6 11.4

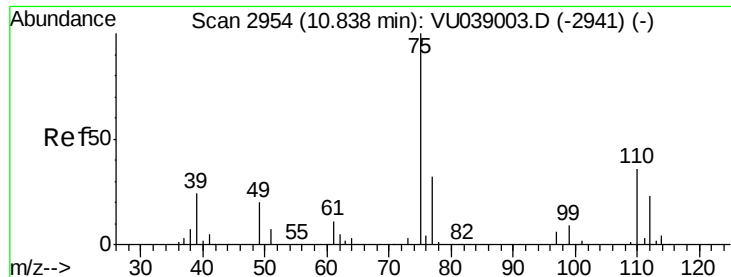


Abundance Ion 82.95 (82.65 to 83.65): VU

Ion 85.00 (84.70 to 85.70): VU

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.195 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. 0.00 min

Lab File: VU039006.D

Acq: 22 Jun 2020 15:33

Instrument :

MSVOA_U

ClientSampled :

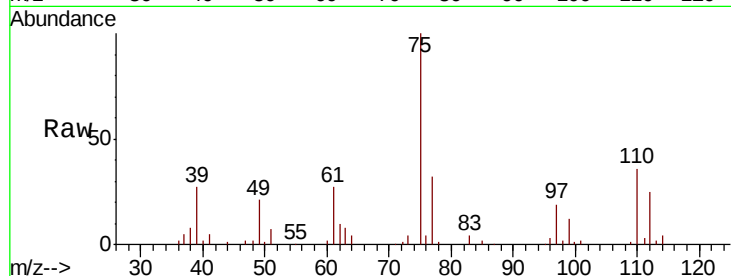
VICV05

Tot Ion: 75 Resp: 90004

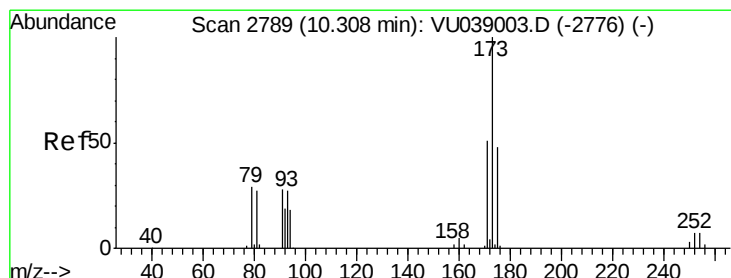
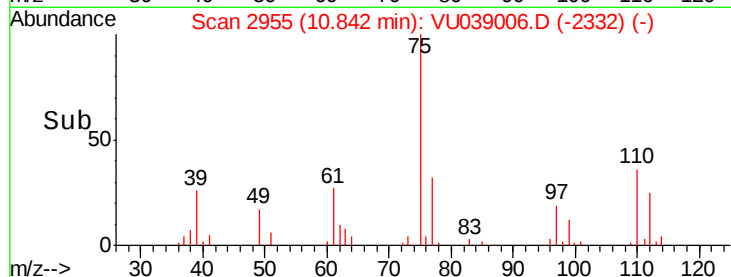
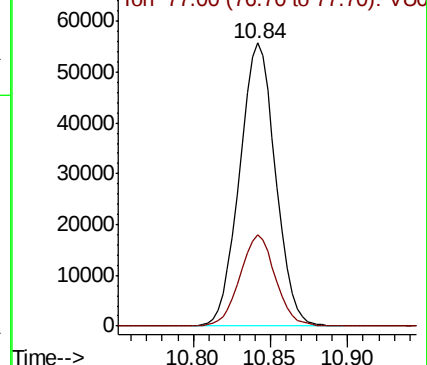
Ion Ratio Lower Upper

75 100

77 31.7 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VU039003.D (-2941) (-)



#61

Bromoform

Concen: 5.235 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VU039006.D

Acq: 22 Jun 2020 15:33

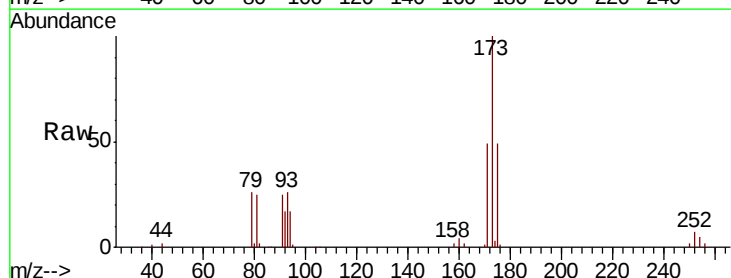
Tgt Ion: 173 Resp: 57542

Ion Ratio Lower Upper

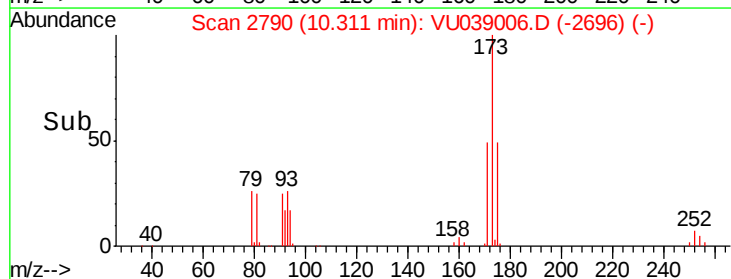
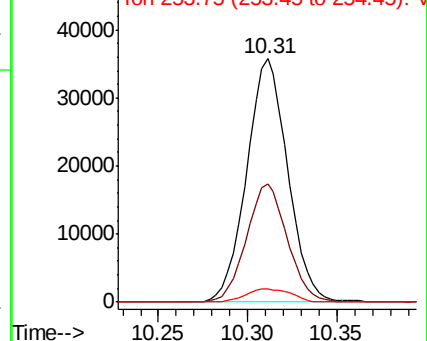
173 100

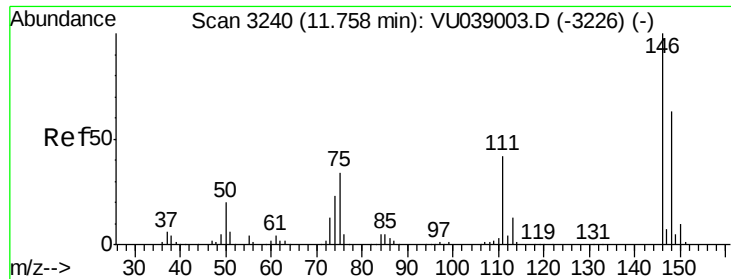
175 48.1 38.1 57.1

254 5.8 4.8 7.2



Abundance Ion 172.90 (172.60 to 173.60): VU039003.D (-2776) (-)





#62

1,3-Dichlorobenzene

Concen: 5.019 ug/L

RT: 11.76 min Scan# 3241

Delta R.T. 0.00 min

Lab File: VU039006.D

Acq: 22 Jun 2020 15:33

Instrument :

MSVOA_U

ClientSampleId :

VICV05

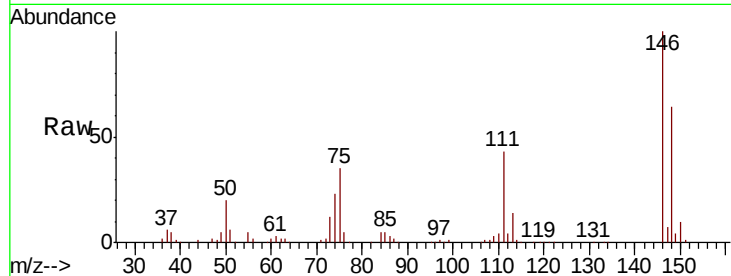
Tot Ion:146 Resp: 225795

Ion Ratio Lower Upper

146 100

111 42.6 29.3 54.5

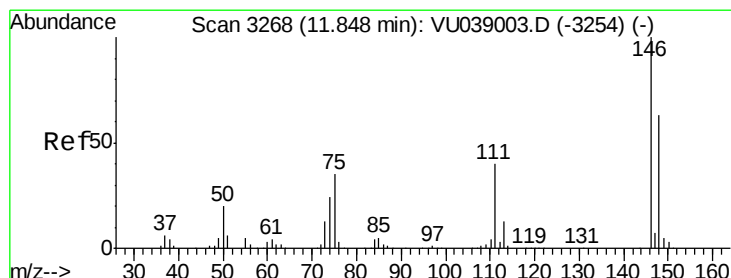
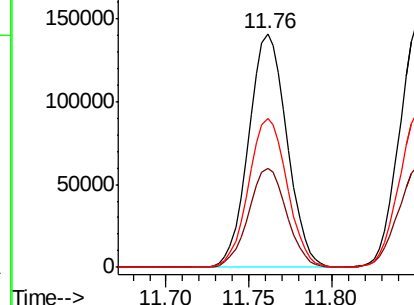
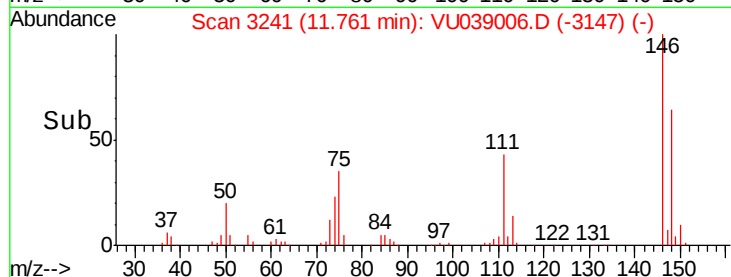
148 63.5 43.8 81.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.988 ug/L

RT: 11.85 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VU039006.D

Acq: 22 Jun 2020 15:33

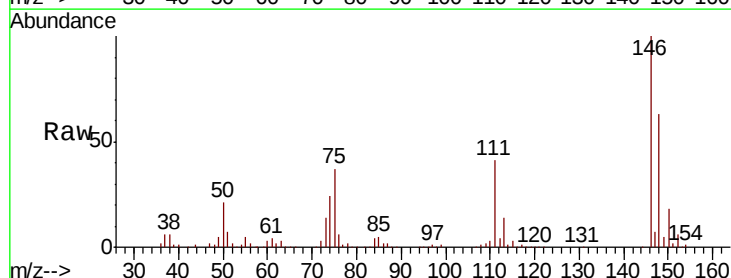
Tgt Ion:146 Resp: 230309

Ion Ratio Lower Upper

146 100

111 41.0 27.9 51.7

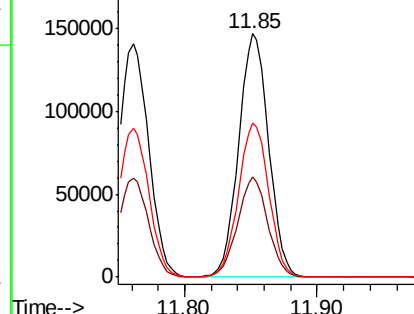
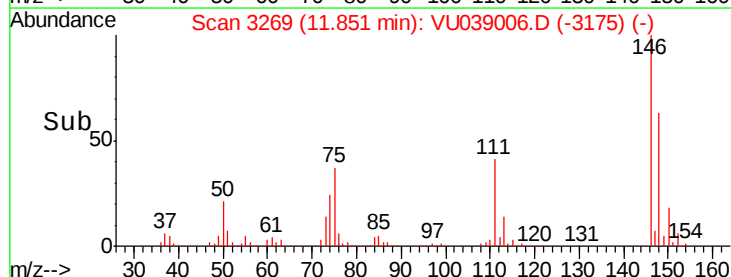
148 63.1 44.2 82.2

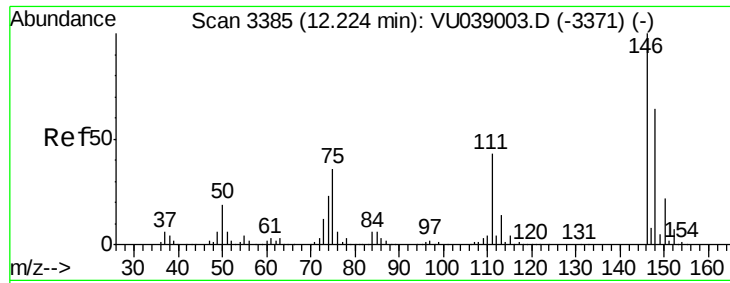


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.070 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU039006.D

Acq: 22 Jun 2020 15:33

Instrument :

MSVOA_U

ClientSampled :

VICV05

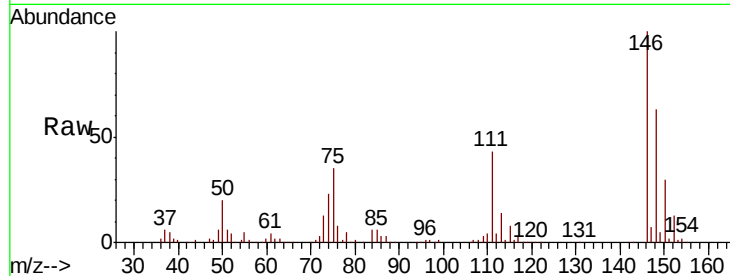
Tot Ion:146 Resp: 221703

Ion Ratio Lower Upper

146 100

111 43.0 34.2 51.2

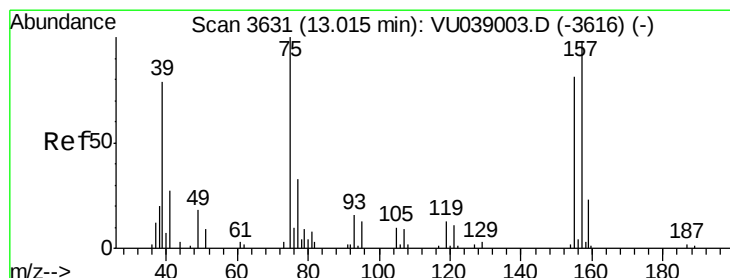
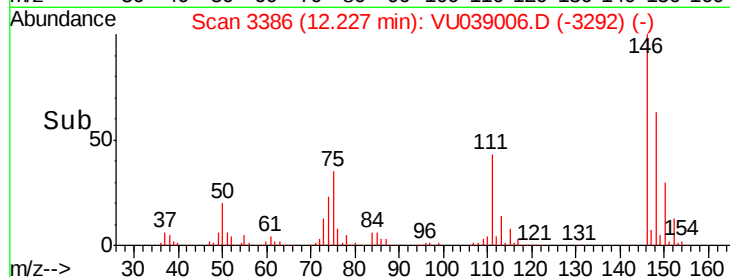
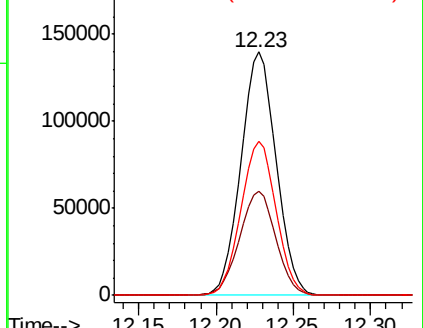
148 63.1 51.4 77.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.231 ug/L

RT: 13.02 min Scan# 3634

Delta R.T. 0.01 min

Lab File: VU039006.D

Acq: 22 Jun 2020 15:33

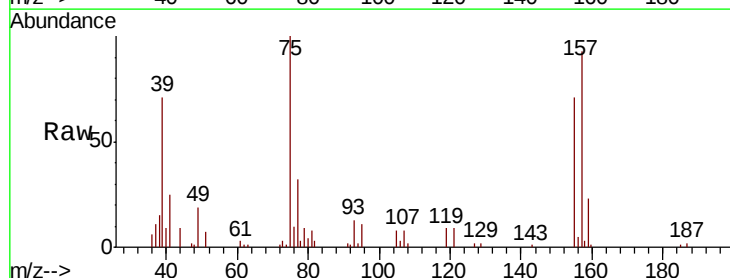
Tgt Ion: 75 Resp: 20686

Ion Ratio Lower Upper

75 100

155 71.2 64.5 96.7

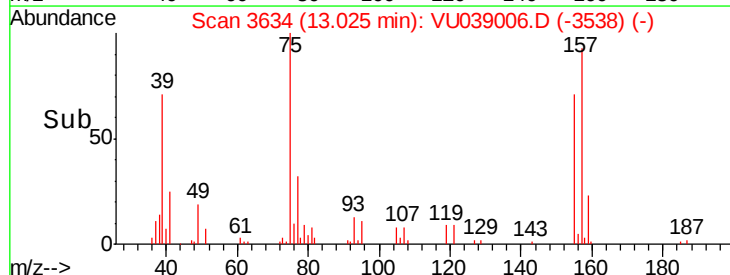
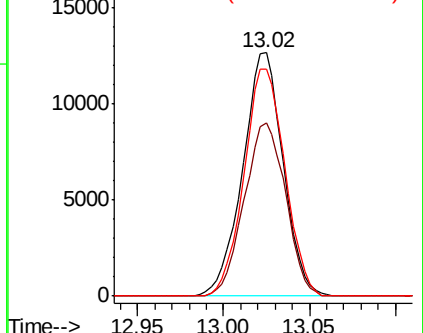
157 93.0 78.2 117.2

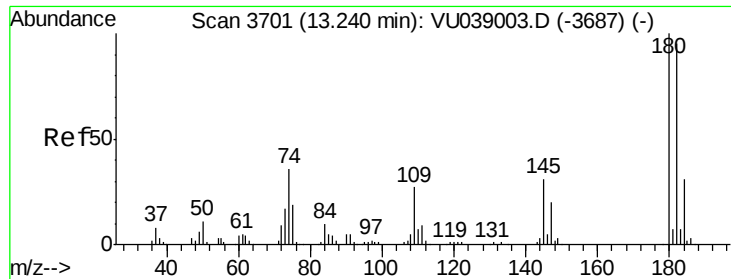


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

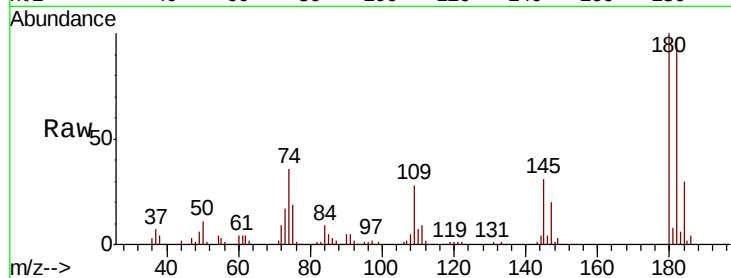




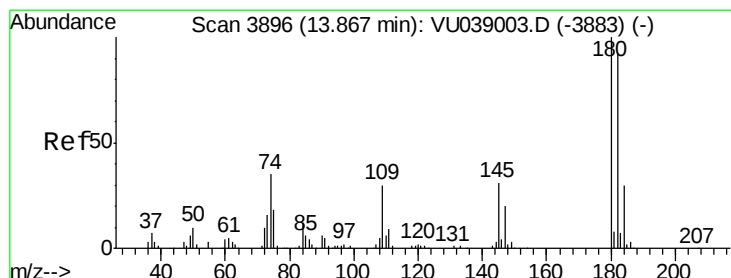
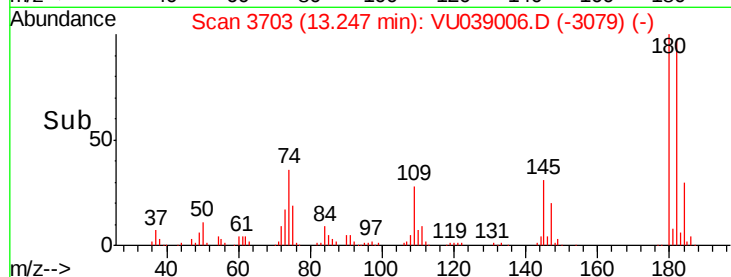
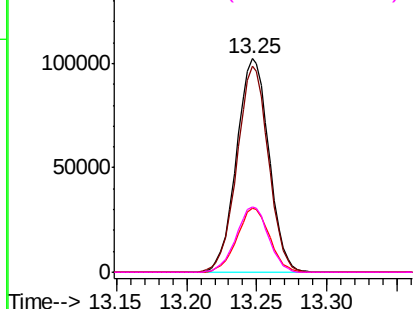
#67
 1,3,5-Trichlorobenzene
 Concen: 5.081 ug/L
 RT: 13.25 min Scan# 3703
 Delta R.T. 0.01 min
 Lab File: VU039006.D
 Acq: 22 Jun 2020 15:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV05

Tot Ion:180 Resp: 164464
 Ion Ratio Lower Upper
 180 100
 182 93.6 77.2 115.8
 184 30.0 24.8 37.2
 145 30.5 24.6 37.0

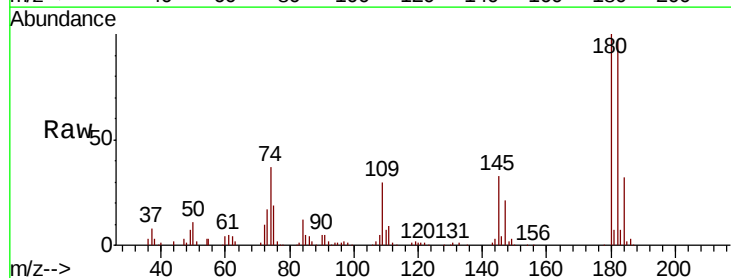


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

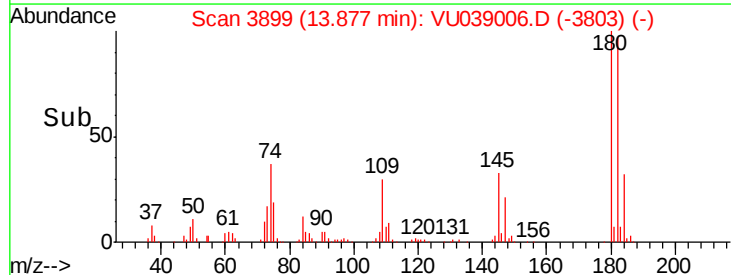
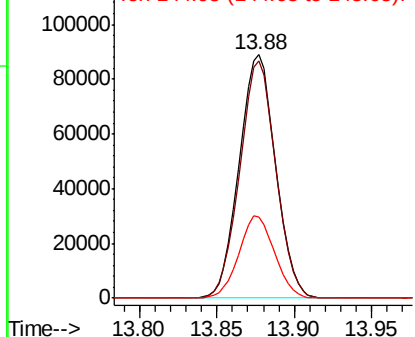


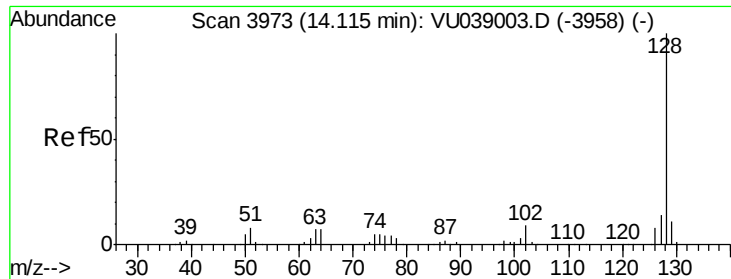
#68
 1,2,4-trichlorobenzene
 Concen: 5.231 ug/L
 RT: 13.88 min Scan# 3899
 Delta R.T. 0.01 min
 Lab File: VU039006.D
 Acq: 22 Jun 2020 15:33

Tgt Ion:180 Resp: 145395
 Ion Ratio Lower Upper
 180 100
 182 96.4 75.1 112.7
 145 33.1 25.0 37.4



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.615 ug/L

RT: 14.12 min Scan# 3976

Delta R.T. 0.01 min

Lab File: VU039006.D

Acq: 22 Jun 2020 15:33

Instrument :

MSVOA_U

ClientSampleId :

VICV05

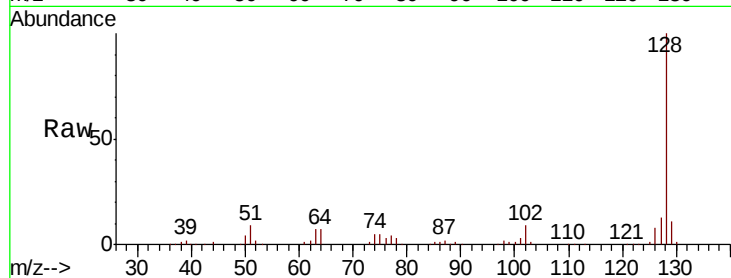
Tot Ion:128 Resp: 309263

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

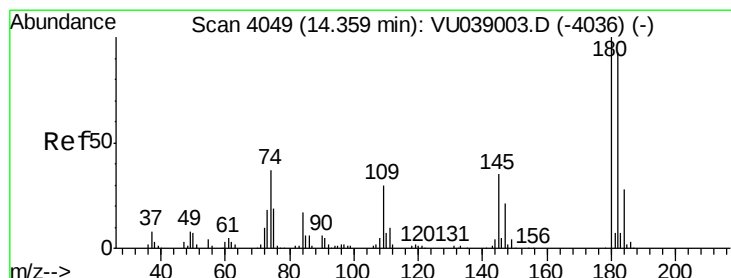
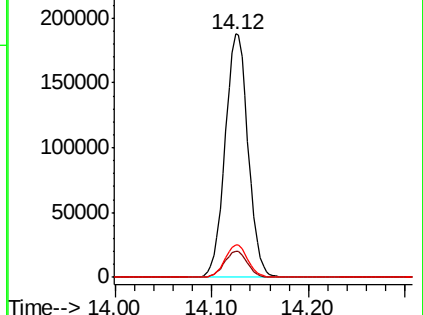
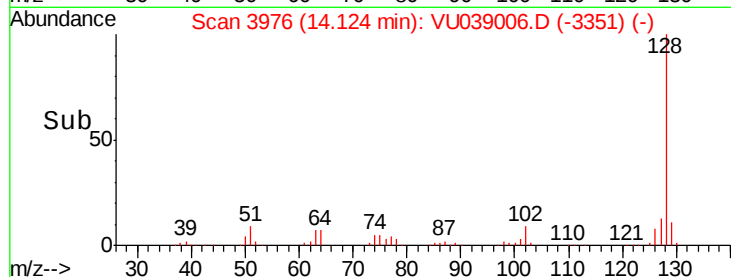
127 13.4 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.450 ug/L

RT: 14.37 min Scan# 4053

Delta R.T. 0.01 min

Lab File: VU039006.D

Acq: 22 Jun 2020 15:33

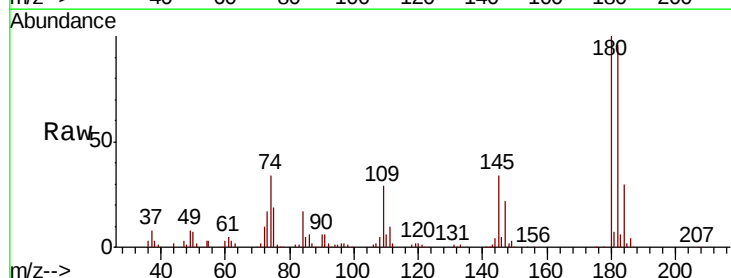
Tgt Ion:180 Resp: 142174

Ion Ratio Lower Upper

180 100

182 94.9 75.1 112.7

145 33.7 27.8 41.8



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

