

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062320\
 Data File : VU039036.D
 Acq On : 23 Jun 2020 13:21
 Operator : SY/MD
 Sample : VSTD00102
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00102

Quant Time: Jun 24 00:28:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jun 24 00:26:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	264398	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	262871	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	122634	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	20004	1.03	ug/L	0.00
7) Chloroethane-d5	1.93	69	16986	1.06	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.60	63	39027	1.05	ug/L	0.00
20) 2-Butanone-d5	4.67	46	72925	10.44	ug/L	0.00
24) Chloroform-d	5.10	84	40877	1.07	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	24638	1.05	ug/L	0.00
32) Benzene-d6	5.76	84	75070	1.03	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	25662	1.05	ug/L	0.00
41) Toluene-d8	7.92	98	60343	0.99	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	10603	1.00	ug/L	0.00
46) 2-Hexanone-d5	8.65	63	50803	9.25	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	24165	1.06	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.20	152	23836	1.04	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	25701	1.086	ug/L 99
3) Chloromethane	1.53	50	26637	1.046	ug/L 92
5) Vinyl chloride	1.62	62	27377	1.066	ug/L 99
6) Bromomethane	1.87	94	14945	1.081	ug/L 99
8) Chloroethane	1.95	64	17062	1.102	ug/L 100
9) Trichlorofluoromethane	2.16	101	35456	1.078	ug/L 96
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	21478	1.122	ug/L 96
12) 1,1-Dichloroethene	2.61	96	19647	1.073	ug/L 98
13) Acetone	2.67	43	51616	10.878	ug/L 98
14) Carbon disulfide	2.82	76	66949	1.097	ug/L 100
15) Methyl Acetate	2.99	43	11904	1.056	ug/L 98
16) Methylene chloride	3.08	84	24448	1.082	ug/L 96
17) Methyl tert-butyl Ether	3.40	73	53640	1.029	ug/L 97
18) trans-1,2-Dichloroethene	3.39	96	21026	1.073	ug/L 93
19) 1,1-Dichloroethane	3.91	63	42378	1.088	ug/L 97
21) 2-Butanone	4.75	43	75394	10.451	ug/L 99
22) cis-1,2-Dichloroethene	4.71	96	21632	1.023	ug/L 92
23) Bromochloromethane	5.01	128	10692	1.099	ug/L 97
25) Chloroform	5.12	83	43048	1.100	ug/L 96
27) 1,2-Dichloroethane	5.83	62	30707	1.101	ug/L 99
29) 1,1,1-Trichloroethane	5.35	97	33712	1.028	ug/L 95
30) Cyclohexane	5.42	56	30444	0.997	ug/L 96
31) Carbon tetrachloride	5.56	117	29437	1.078	ug/L 99
33) Benzene	5.81	78	86007	1.041	ug/L 100
34) Trichloroethene	6.57	95	21745	1.088	ug/L 96
35) Methylcyclohexane	6.79	83	28888	0.975	ug/L 96
37) 1,2-Dichloropropane	6.82	63	23580	1.054	ug/L 98
38) Bromodichloromethane	7.13	83	28867	1.035	ug/L 97
39) cis-1,3-Dichloropropene	7.63	75	30525	0.984	ug/L 96
40) 4-Methyl-2-pentanone	7.82	43	165925	9.935	ug/L 99

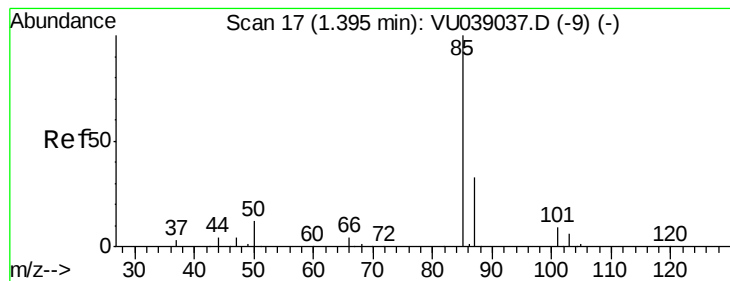
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062320\
 Data File : VU039036.D
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 QLast Update : Wed Jun 24 00:26:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.99	91	84635	1.032	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	29094	1.003	ug/L	87
45) 1,1,2-Trichloroethane	8.42	97	17425	1.048	ug/L	97
47) Tetrachloroethene	8.57	164	15566	1.081	ug/L	96
48) 2-Hexanone	8.70	43	121957	9.961	ug/L	99
49) Dibromochloromethane	8.83	129	18793	1.039	ug/L	97
50) 1,2-Dibromoethane	8.94	107	16594	1.055	ug/L	99
51) Chlorobenzene	9.47	112	54618	1.058	ug/L	99
52) Ethylbenzene	9.59	91	86306	1.002	ug/L	98
53) m,p-Xylene	9.71	106	29713	0.938	ug/L	89
54) o-Xylene	10.11	106	29827	0.980	ug/L	96
55) Styrene	10.13	104	50155	0.938	ug/L	95
56) Isopropylbenzene	10.50	105	76572	0.960	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	23089	1.038	ug/L	98
59) 1,2,3-Trichloropropane	10.84	75	18347	1.088	ug/L	95
61) Bromoform	10.30	173	10738	1.072	ug/L	92
62) 1,3-Dichlorobenzene	11.76	146	38080	1.044	ug/L	100
63) 1,4-Dichlorobenzene	11.85	146	40567	1.080	ug/L	98
65) 1,2-Dichlorobenzene	12.22	146	38086	1.042	ug/L	100
66) 1,2-Dibromo-3-chloropropan	13.01	75	4272	1.059	ug/L	90
67) 1,3,5-Trichlorobenzene	13.24	180	28932	1.072	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	24509	0.997	ug/L	99
69) Naphthalene	14.11	128	49063	0.936	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	25034	1.055	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 1.086 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU039036.D

Acq: 23 Jun 2020 13:21

Instrument :

MSVOA_U

ClientSampleId :

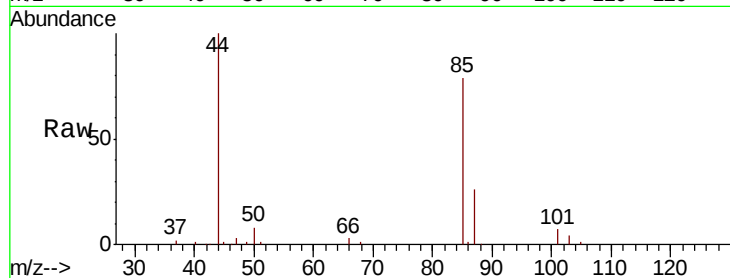
VSTD00102

Tot Ion: 85 Resp: 25701

Ion Ratio Lower Upper

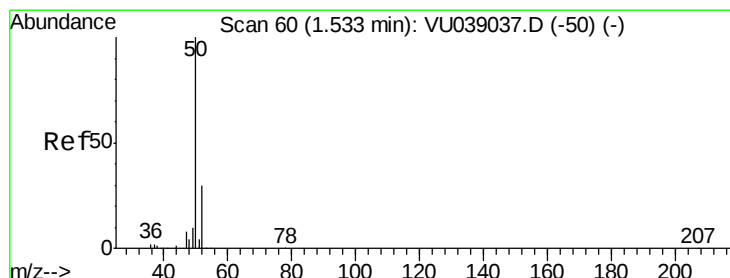
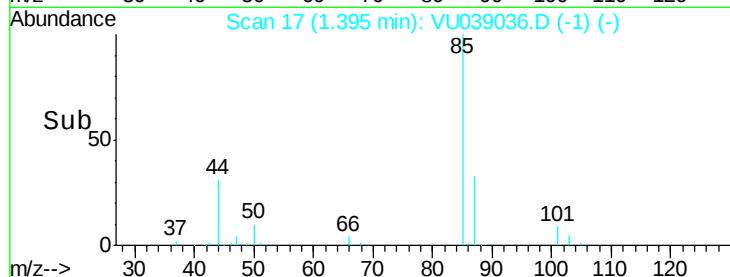
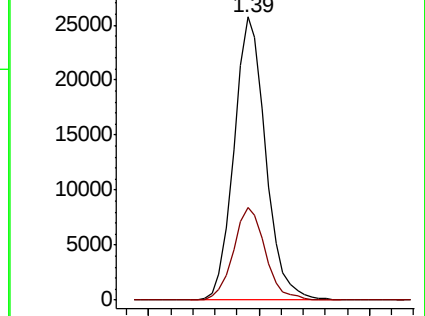
85 100

87 32.8 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VU039036.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU039036.D (-1) (-)



#3

Chloromethane

Concen: 1.046 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU039036.D

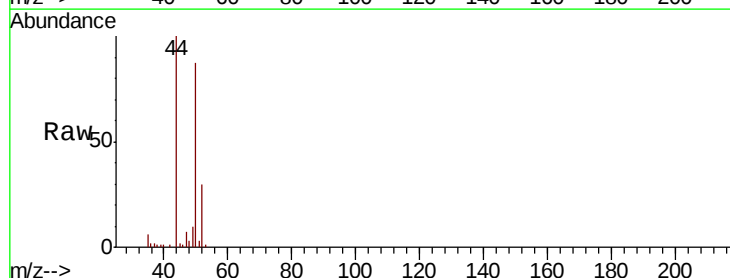
Acq: 23 Jun 2020 13:21

Tgt Ion: 50 Resp: 26637

Ion Ratio Lower Upper

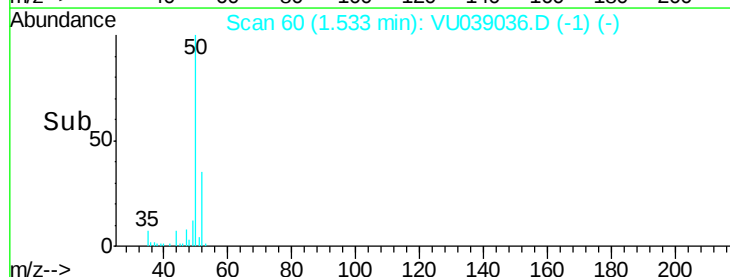
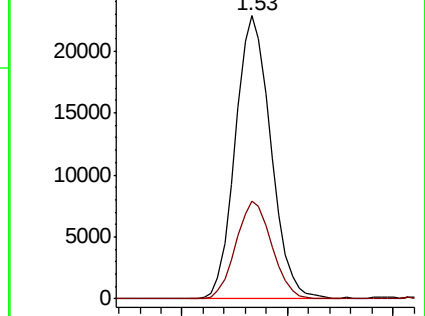
50 100

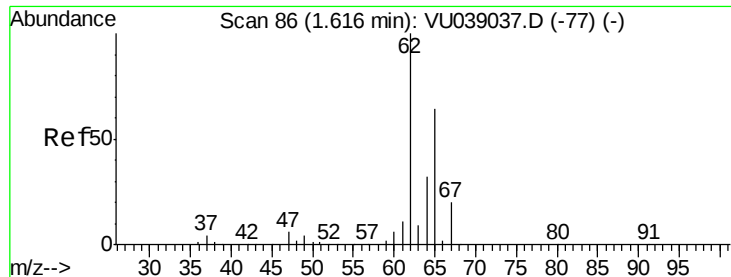
52 34.7 21.1 39.3



Abundance Ion 50.05 (49.75 to 50.75): VU039036.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU039036.D (-1) (-)





#5

Vinyl chloride

Concen: 1.066 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU039036.D

Acq: 23 Jun 2020 13:21

Instrument :

MSVOA_U

ClientSampleId :

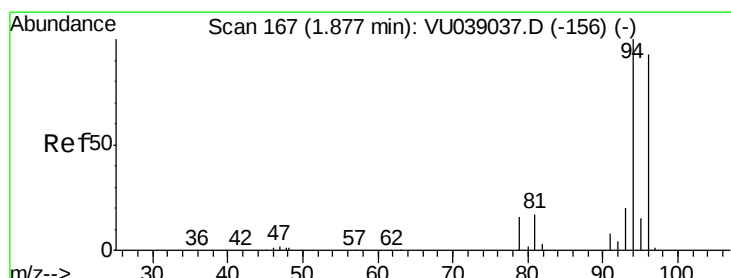
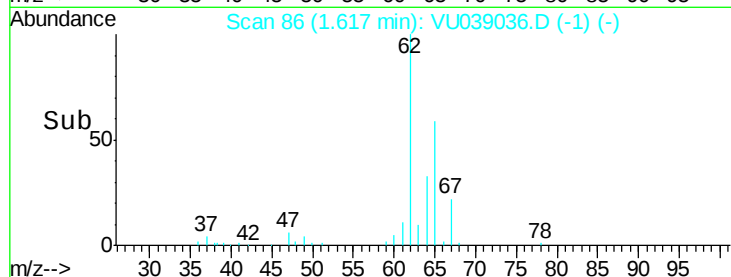
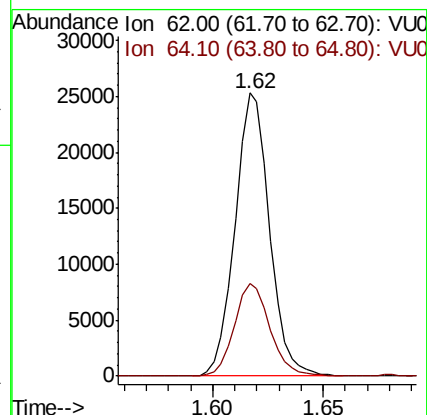
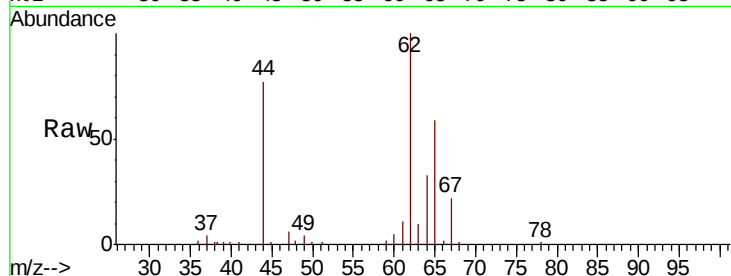
VSTD00102

Tot Ion: 62 Resp: 27377

Ion Ratio Lower Upper

62 100

64 32.7 22.4 41.6



#6

Bromomethane

Concen: 1.081 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU039036.D

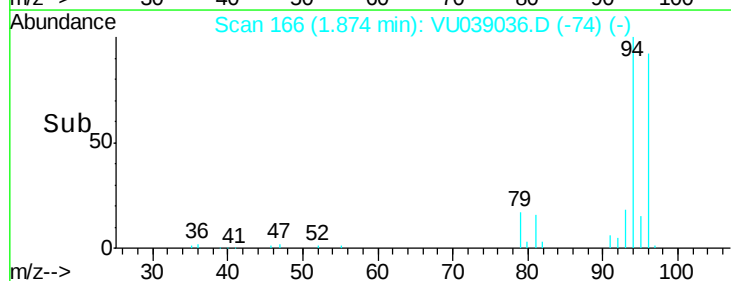
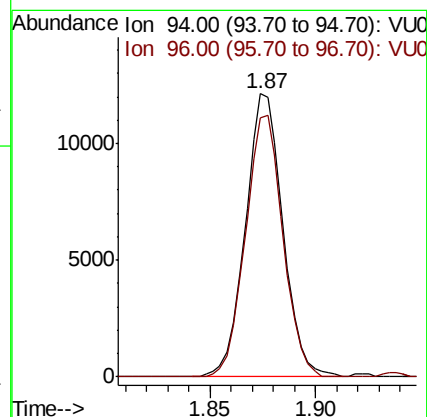
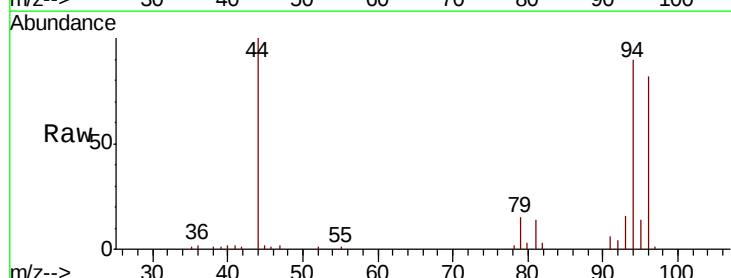
Acq: 23 Jun 2020 13:21

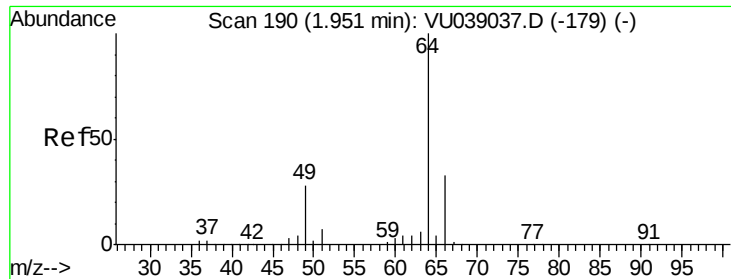
Tgt Ion: 94 Resp: 14945

Ion Ratio Lower Upper

94 100

96 91.6 64.9 120.5

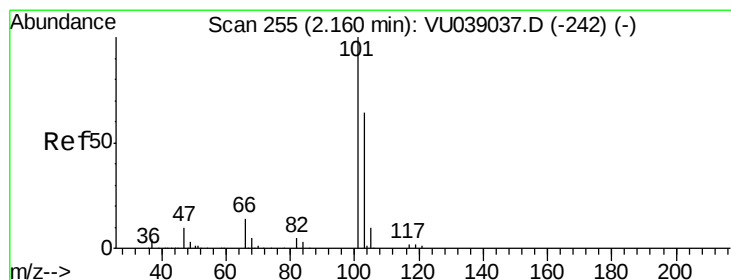
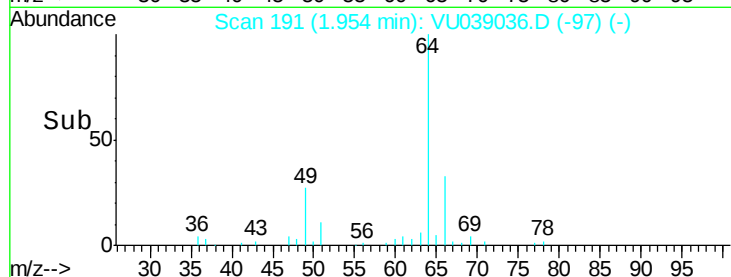
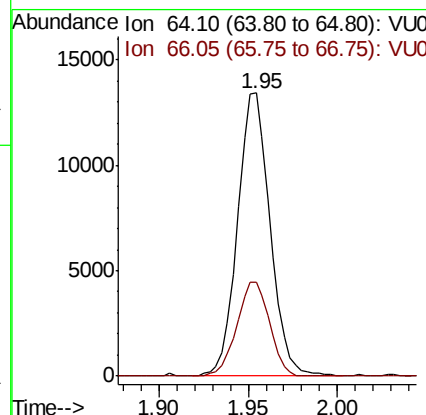
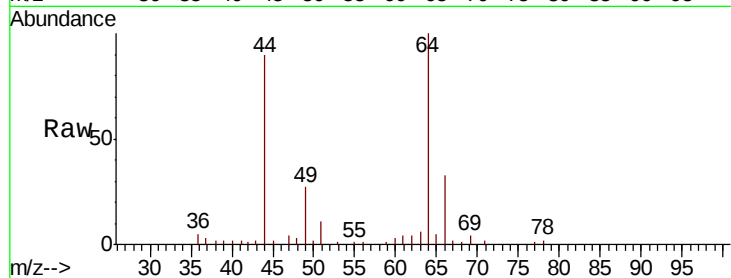




#8
Chloroethane
Concen: 1.102 ug/L
RT: 1.95 min Scan# 191
Delta R.T. 0.00 min
Lab File: VU039036.D
Acq: 23 Jun 2020 13:21

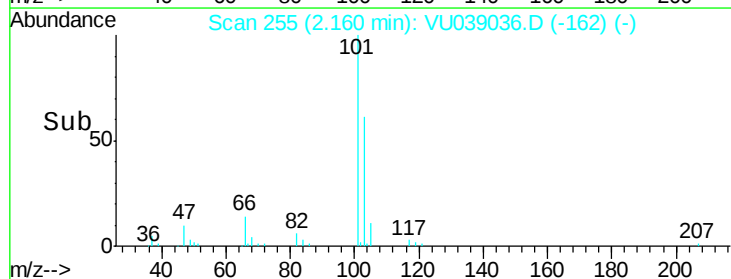
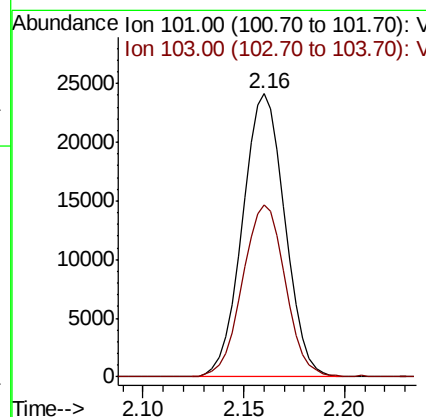
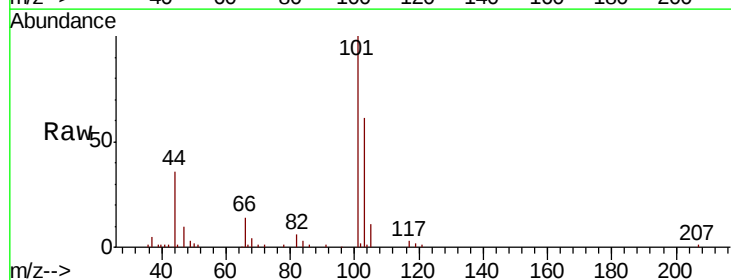
Instrument :
MSVOA_U
ClientSampleId :
VSTD00102

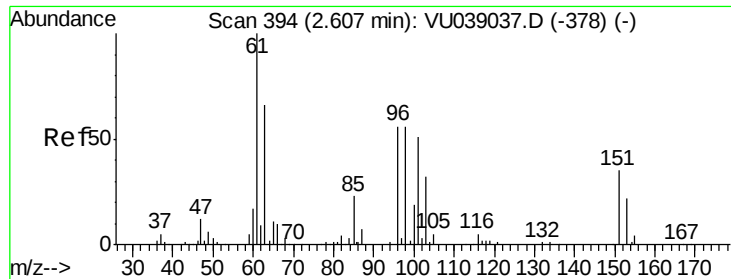
Tot Ion: 64 Resp: 17062
Ion Ratio Lower Upper
64 100
66 33.3 23.4 43.4



#9
Trichlorofluoromethane
Concen: 1.078 ug/L
RT: 2.16 min Scan# 255
Delta R.T. 0.00 min
Lab File: VU039036.D
Acq: 23 Jun 2020 13:21

Tgt Ion: 101 Resp: 35456
Ion Ratio Lower Upper
101 100
103 61.4 51.4 77.0





#10

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

Concen: 1.122 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU039036.D

Acq: 23 Jun 2020 13:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD00102

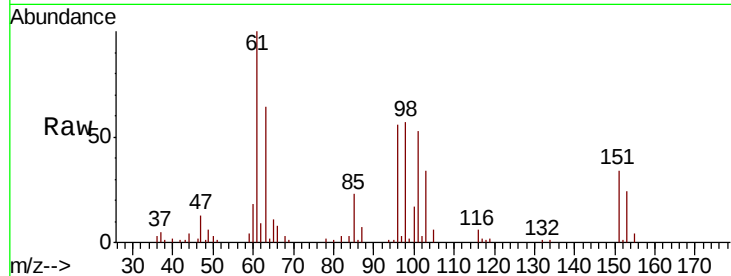
Tot Ion:101 Resp: 21478

Ion Ratio Lower Upper

101 100

85 42.9 36.2 54.4

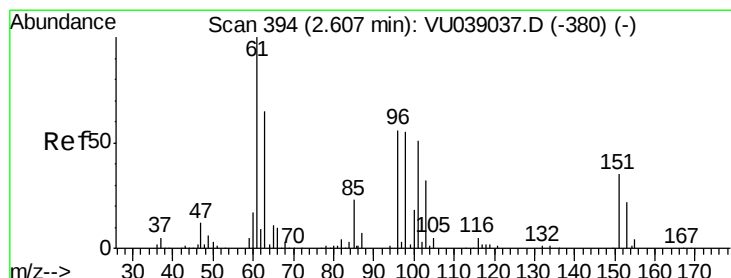
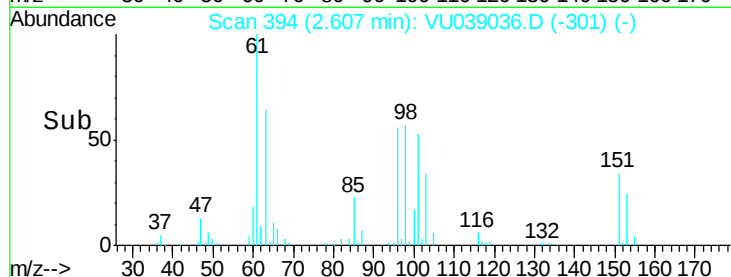
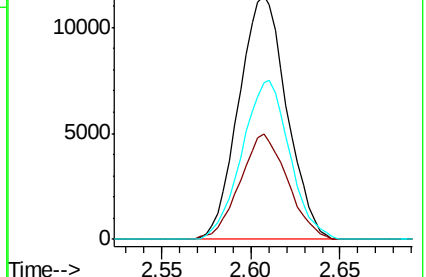
151 64.9 55.0 82.6



Abundance Ion 101.00 (100.70 to 101.70): VU039036.D (-301) (-)

Ion 85.00 (84.70 to 85.70): VU039036.D (-301) (-)

Ion 151.00 (150.70 to 151.70): VU039036.D (-301) (-)



#12

1,1-Dichloroethene

Concen: 1.073 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU039036.D

Acq: 23 Jun 2020 13:21

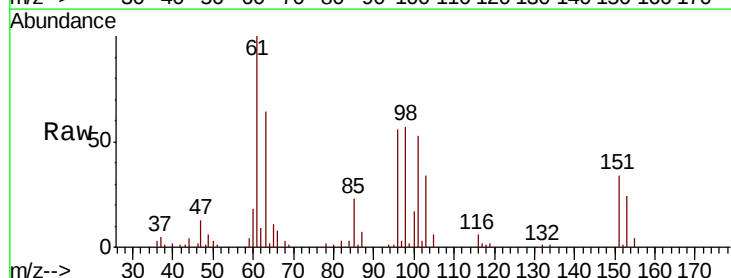
Tgt Ion: 96 Resp: 19647

Ion Ratio Lower Upper

96 100

61 177.2 125.1 232.3

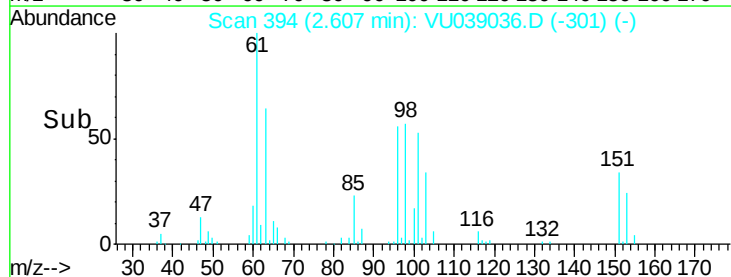
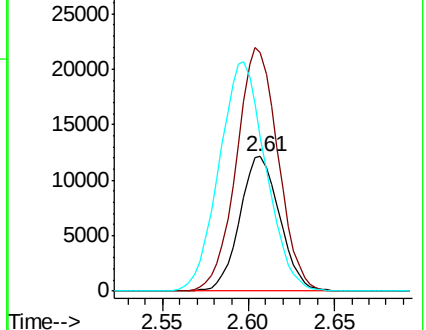
63 114.1 82.3 152.8

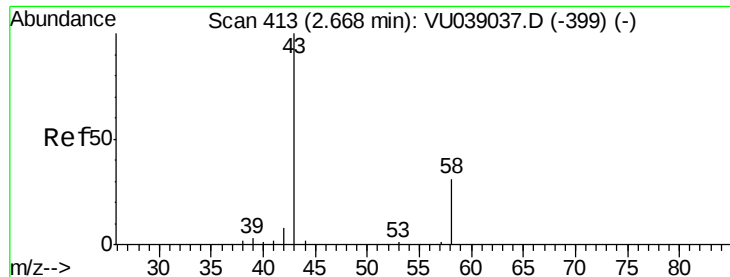


Abundance Ion 96.00 (95.70 to 96.70): VU039036.D (-301) (-)

Ion 61.05 (60.75 to 61.75): VU039036.D (-301) (-)

Ion 63.00 (62.70 to 63.70): VU039036.D (-301) (-)





#13

Acetone

Concen: 10.878 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.00 min

Lab File: VU039036.D

Acq: 23 Jun 2020 13:21

Instrument :

MSVOA_U

ClientSampleId :

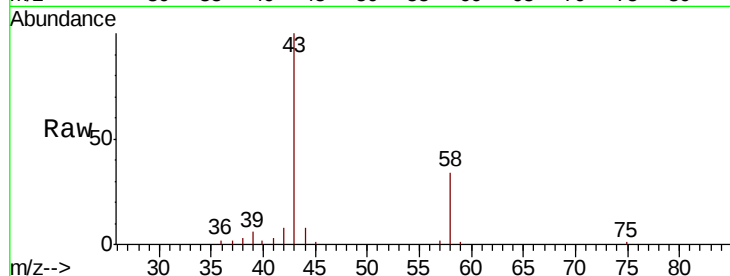
VSTD00102

Tot Ion: 43 Resp: 51616

Ion Ratio Lower Upper

43 100

58 33.2 0.0 64.4



Abundance Ion 43.05 (42.75 to 43.75): VU039037.D (-399) (-)

Ion 58.05 (57.75 to 58.75): VU039037.D (-399) (-)

2.67

20000

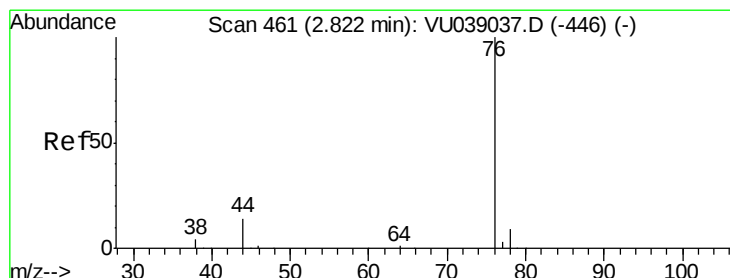
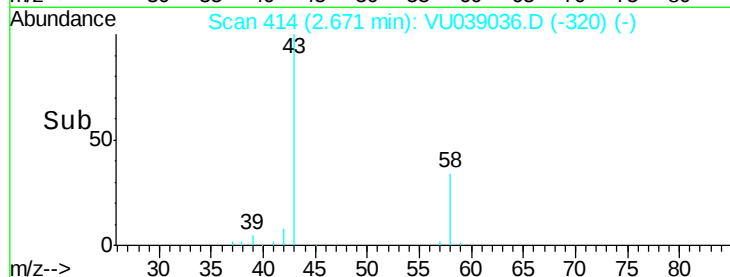
15000

10000

5000

0

Time-->



#14

Carbon disulfide

Concen: 1.097 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU039036.D

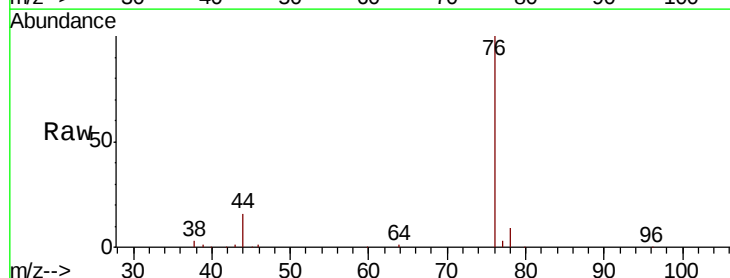
Acq: 23 Jun 2020 13:21

Tgt Ion: 76 Resp: 66949

Ion Ratio Lower Upper

76 100

78 8.9 7.0 10.6



Abundance Ion 76.05 (75.75 to 76.75): VU039037.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU039037.D (-446) (-)

2.82

40000

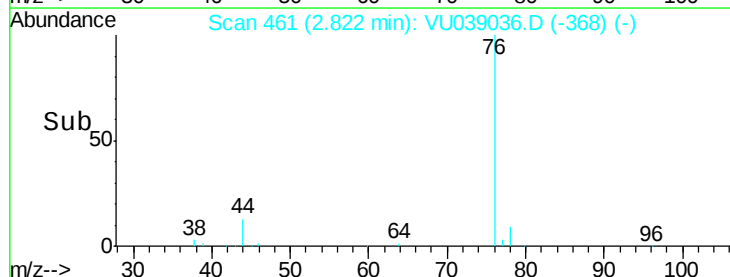
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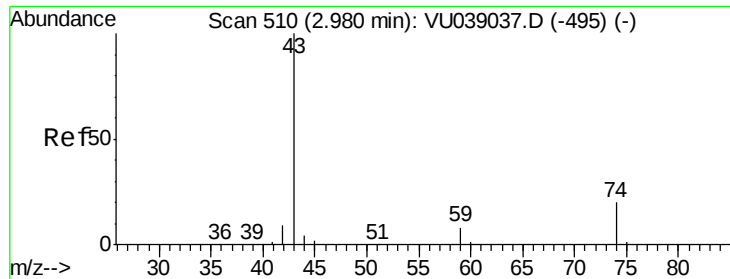
20000

10000

0

Time-->

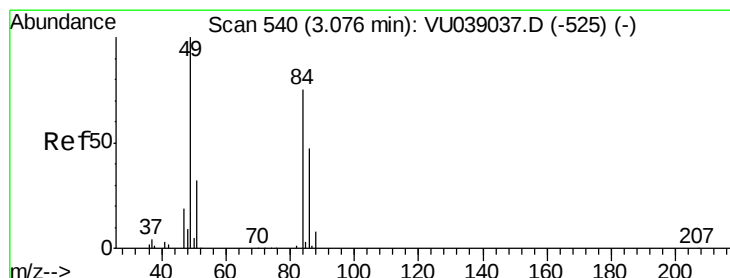
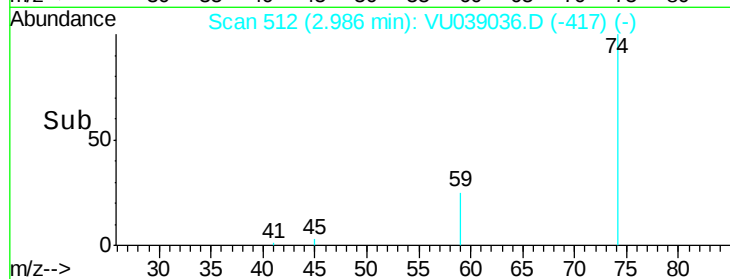
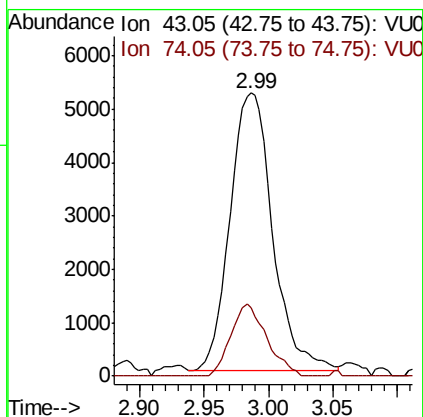
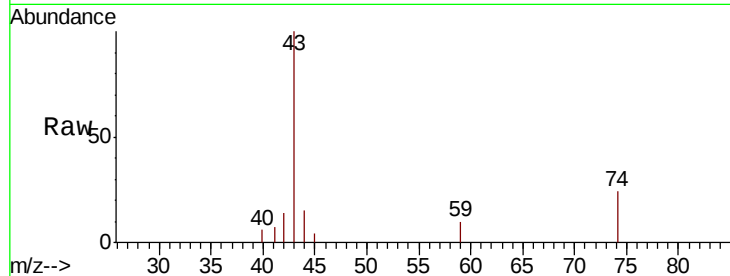




#15
Methvl Acetate
Concen: 1.056 ug/L
RT: 2.99 min Scan# 512
Delta R.T. 0.01 min
Lab File: VU039036.D
Acq: 23 Jun 2020 13:21

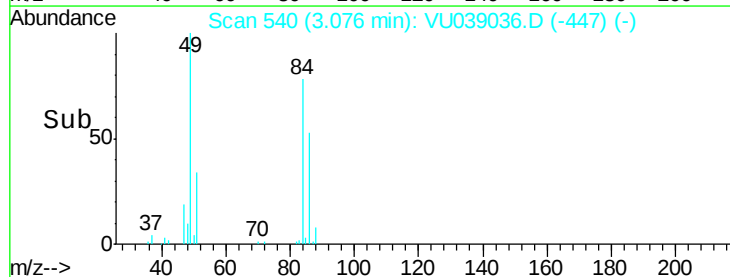
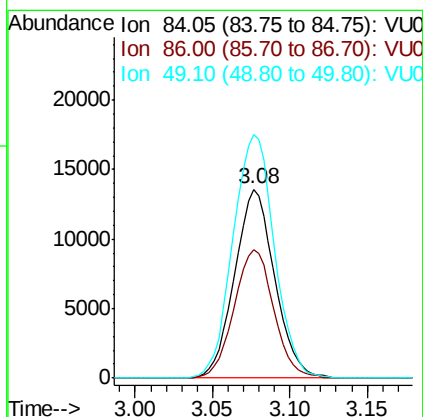
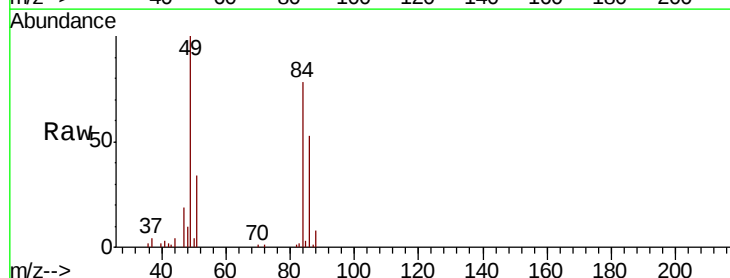
Instrument :
MSVOA_U
ClientSampleId :
VSTD00102

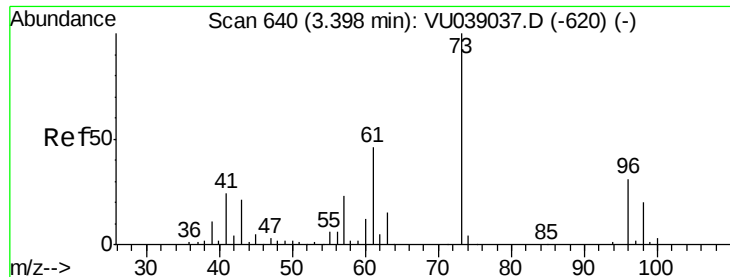
Tot Ion: 43 Resp: 11904
Ion Ratio Lower Upper
43 100
74 21.9 17.0 25.4



#16
Methylene chloride
Concen: 1.082 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU039036.D
Acq: 23 Jun 2020 13:21

Tgt Ion: 84 Resp: 24448
Ion Ratio Lower Upper
84 100
86 67.7 44.1 81.9
49 129.0 93.1 172.9

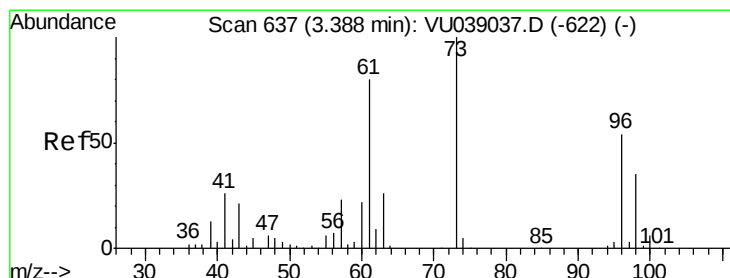
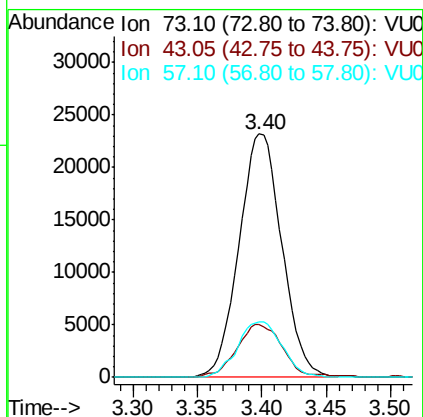
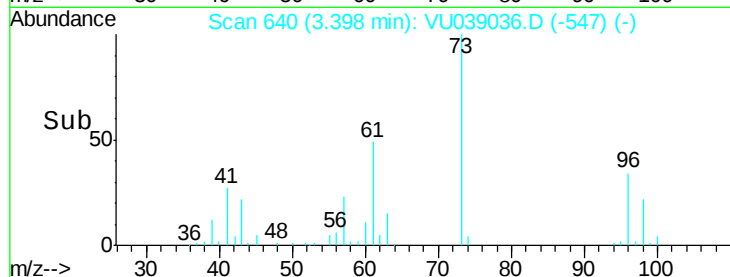
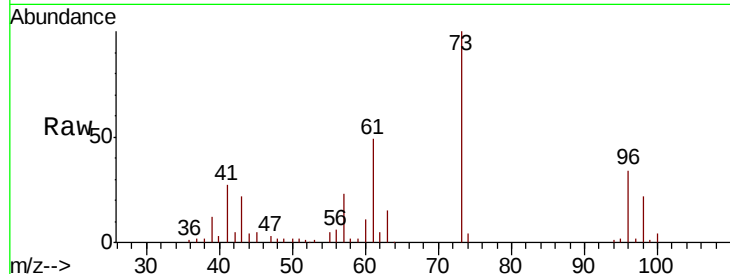




#17
Methvl tert-butvl Ether
Concen: 1.029 ug/L
RT: 3.40 min Scan# 640
Delta R.T. 0.00 min
Lab File: VU039036.D
Acq: 23 Jun 2020 13:21

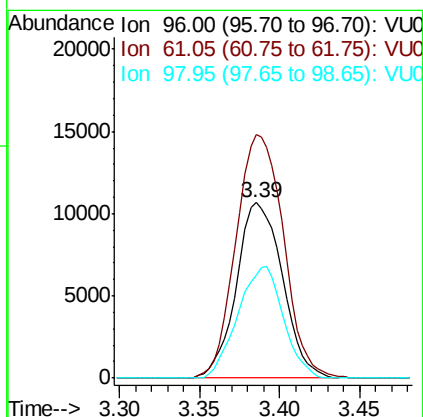
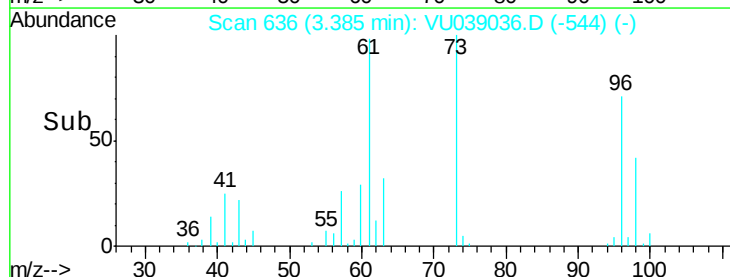
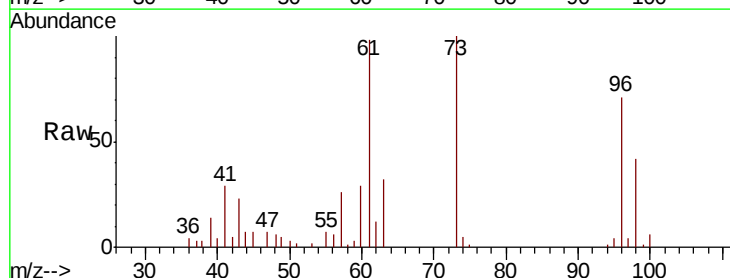
Instrument :
MSVOA_U
ClientSampleId :
VSTD00102

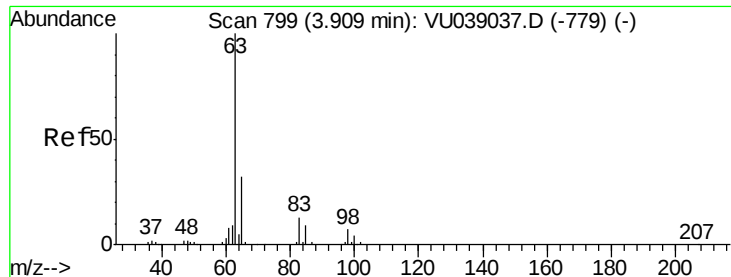
Tot Ion: 73 Resp: 53640
Ion Ratio Lower Upper
73 100
43 22.8 16.6 24.8
57 23.7 18.2 27.4



#18
trans-1,2-Dichloroethene
Concen: 1.073 ug/L
RT: 3.39 min Scan# 636
Delta R.T. -0.00 min
Lab File: VU039036.D
Acq: 23 Jun 2020 13:21

Tgt Ion: 96 Resp: 21026
Ion Ratio Lower Upper
96 100
61 138.9 103.5 192.3
98 58.9 44.9 83.5





#19

1,1-Dichloroethane

Concen: 1.088 ug/L

RT: 3.91 min Scan# 799

Delta R.T. 0.00 min

Lab File: VU039036.D

Acq: 23 Jun 2020 13:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD00102

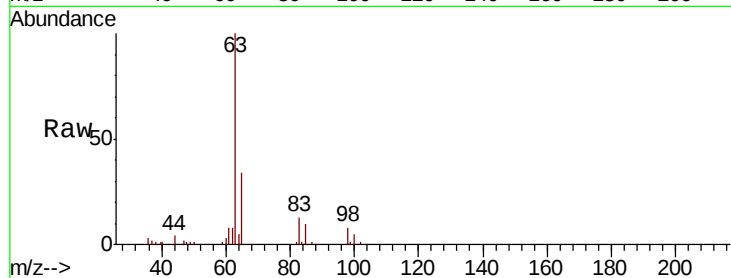
Tot Ion: 63 Resp: 42378

Ion Ratio Lower Upper

63 100

65 33.7 22.1 41.1

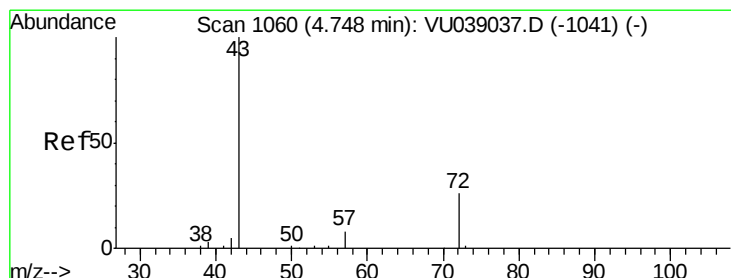
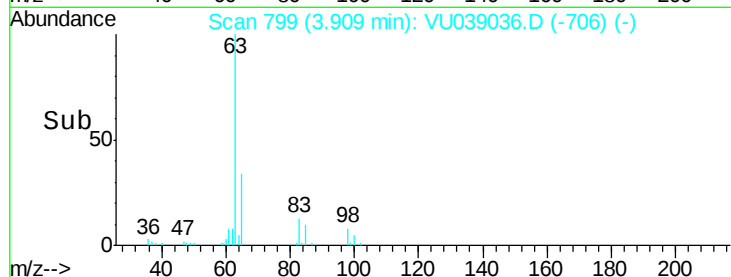
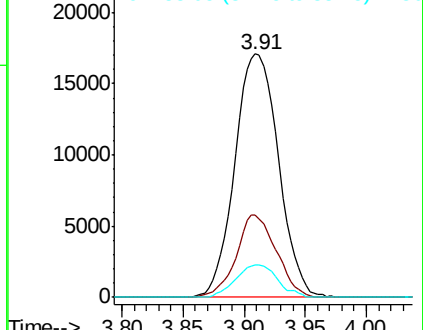
83 13.2 9.3 17.3



Abundance Ion 63.10 (62.80 to 63.80): VU039036.D (-706) (-)

Ion 65.10 (64.80 to 65.80): VU039036.D (-706) (-)

Ion 83.05 (82.75 to 83.75): VU039036.D (-706) (-)



#21

2-Butanone

Concen: 10.451 ug/L

RT: 4.75 min Scan# 1061

Delta R.T. 0.00 min

Lab File: VU039036.D

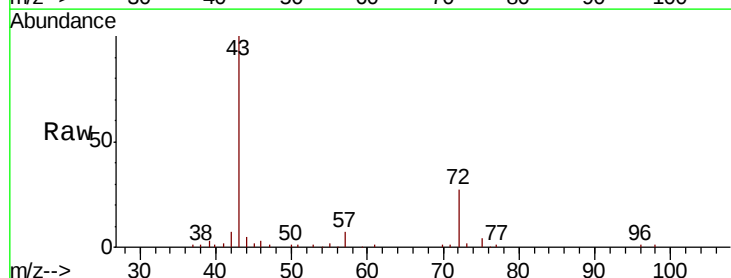
Acq: 23 Jun 2020 13:21

Tgt Ion: 43 Resp: 75394

Ion Ratio Lower Upper

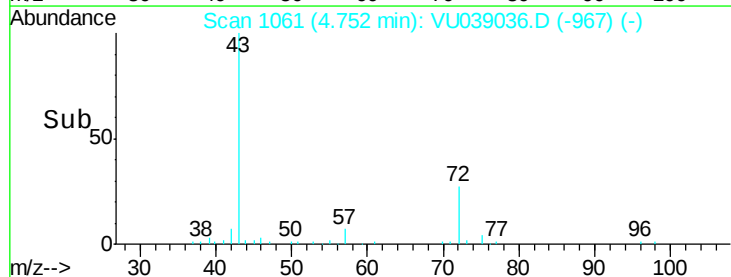
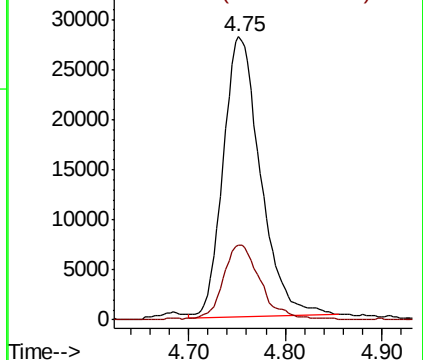
43 100

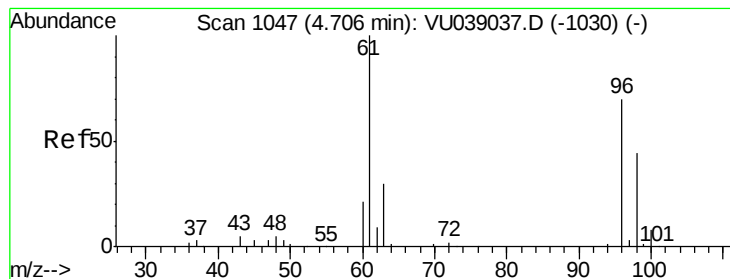
72 26.7 13.1 39.3



Abundance Ion 43.05 (42.75 to 43.75): VU039036.D (-967) (-)

Ion 72.10 (71.80 to 72.80): VU039036.D (-967) (-)





#22

cis-1,2-Dichloroethene

Concen: 1.023 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU039036.D

Acq: 23 Jun 2020 13:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD00102

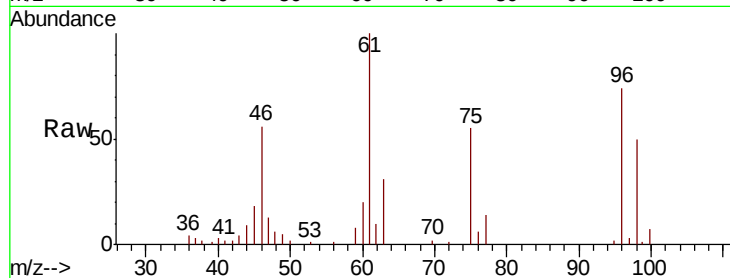
Tot Ion: 96 Resp: 21632

Ion Ratio Lower Upper

96 100

61 134.5 100.8 187.2

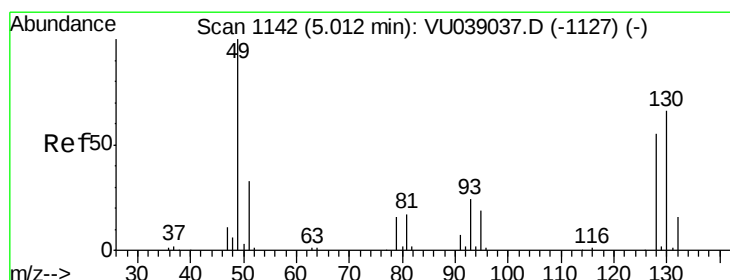
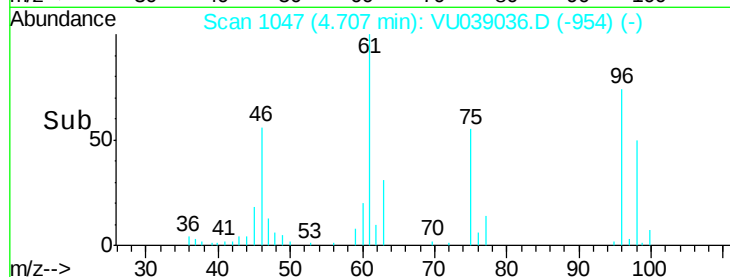
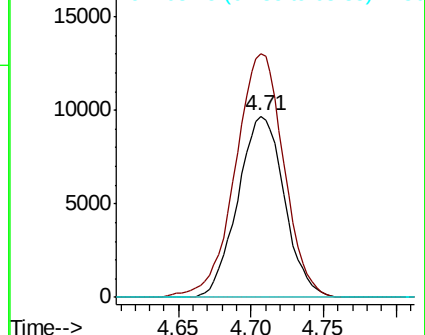
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039036.D (-954) (-)

Ion 61.05 (60.75 to 61.75): VU039036.D (-954) (-)

Ion 68.15 (67.85 to 68.85): VU039036.D (-954) (-)



#23

Bromochloromethane

Concen: 1.099 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU039036.D

Acq: 23 Jun 2020 13:21

Tgt Ion: 128 Resp: 10692

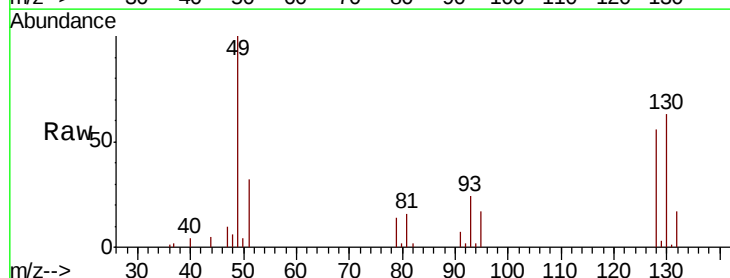
Ion Ratio Lower Upper

128 100

49 179.9 127.3 236.5

130 113.8 84.4 156.7

51 58.0 47.5 71.3

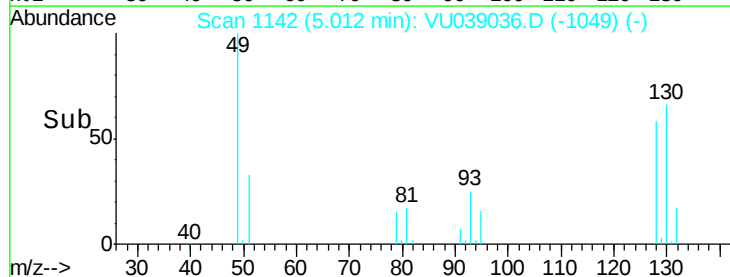
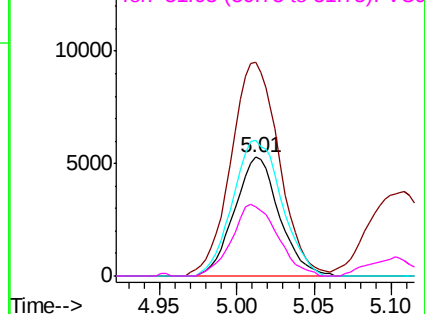


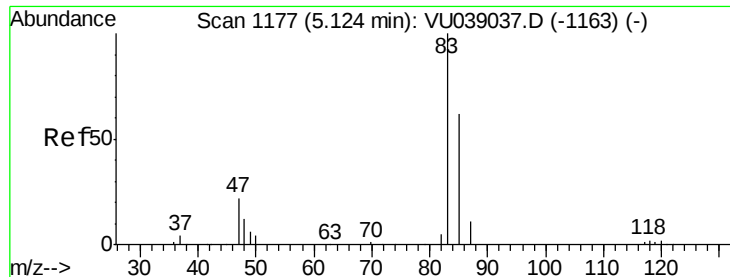
Abundance Ion 127.90 (127.60 to 128.60): VU039036.D (-1049) (-)

Ion 49.10 (48.80 to 49.80): VU039036.D (-1049) (-)

Ion 129.95 (129.65 to 130.65): VU039036.D (-1049) (-)

Ion 51.05 (50.75 to 51.75): VU039036.D (-1049) (-)

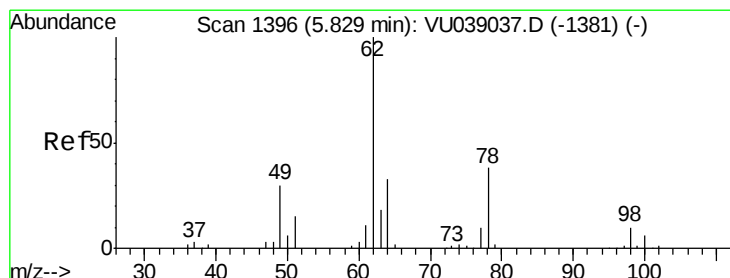
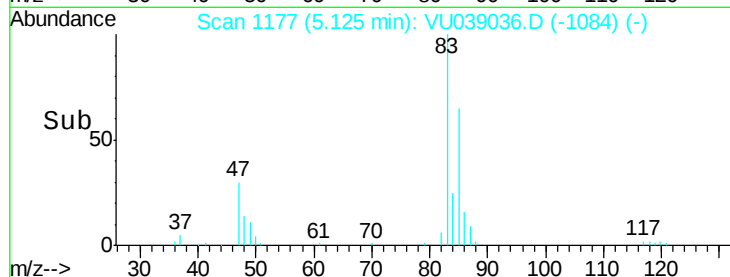
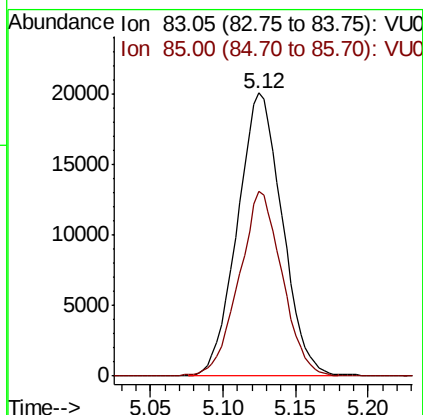
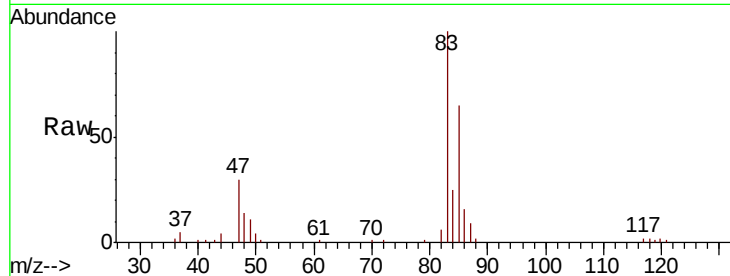




#25
Chloroform
Concen: 1.100 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VU039036.D
Acq: 23 Jun 2020 13:21

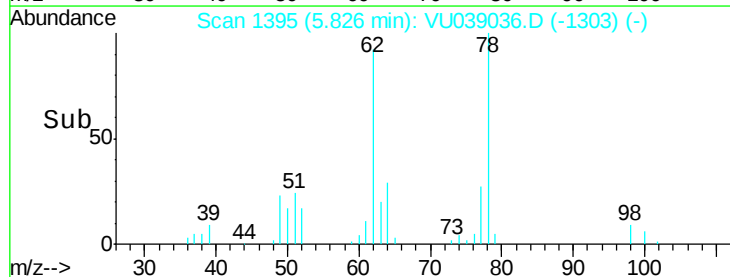
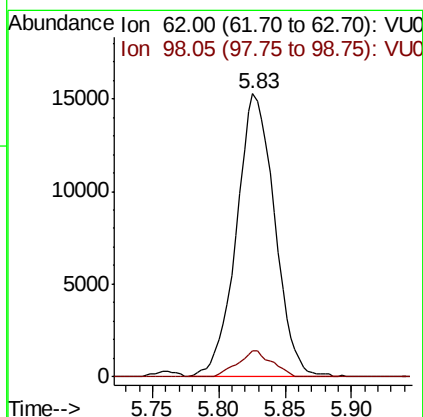
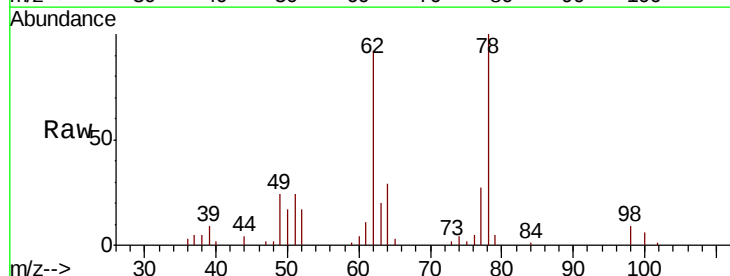
Instrument :
MSVOA_U
ClientSampleId :
VSTD00102

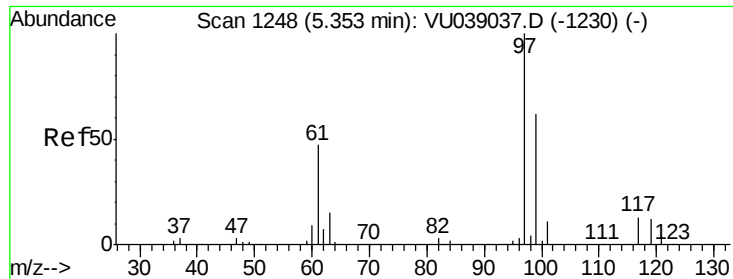
Tot Ion: 83 Resp: 43048
Ion Ratio Lower Upper
83 100
85 65.4 43.8 81.4



#27
1,2-Dichloroethane
Concen: 1.101 ug/L
RT: 5.83 min Scan# 1395
Delta R.T. -0.00 min
Lab File: VU039036.D
Acq: 23 Jun 2020 13:21

Tgt Ion: 62 Resp: 30707
Ion Ratio Lower Upper
62 100
98 9.3 7.7 11.5

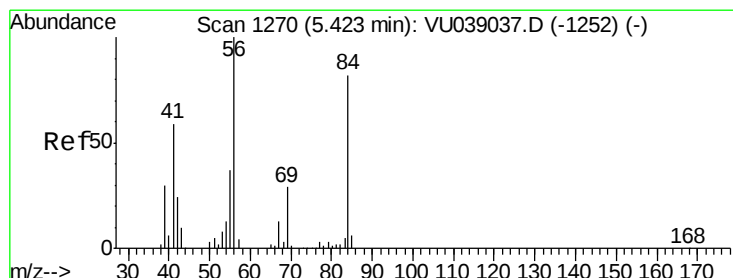
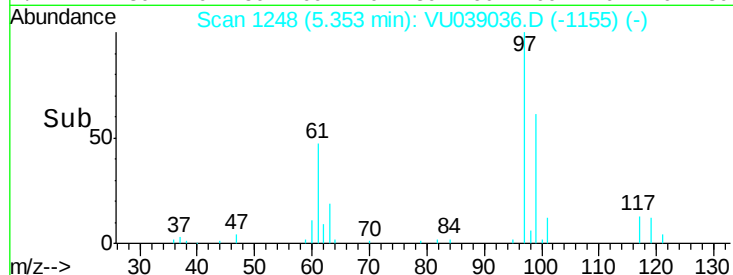
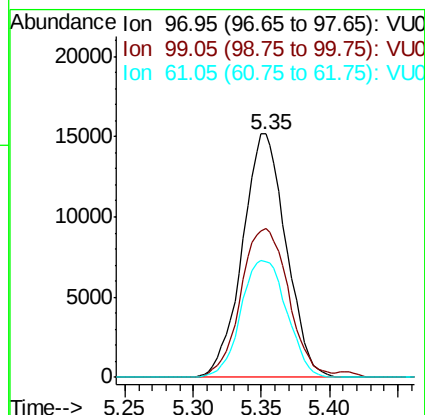
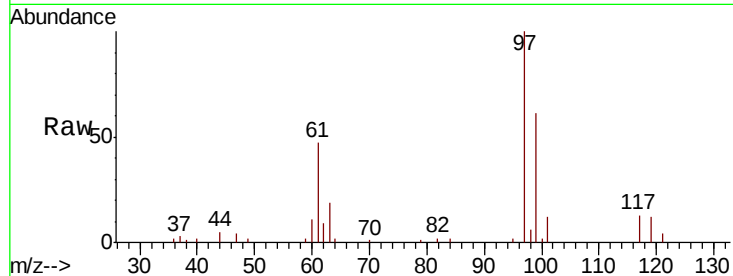




#29
 1,1,1-Trichloroethane
 Concen: 1.028 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VU039036.D
 Acq: 23 Jun 2020 13:21

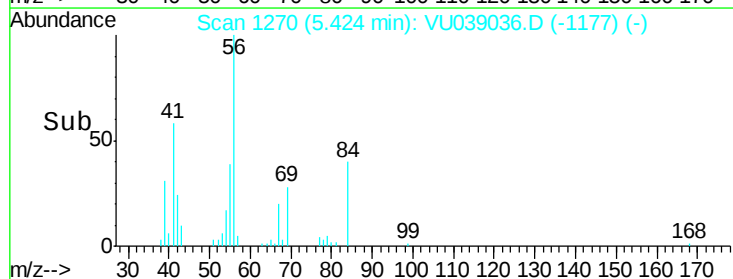
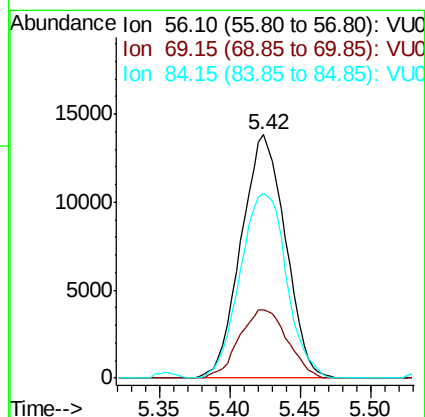
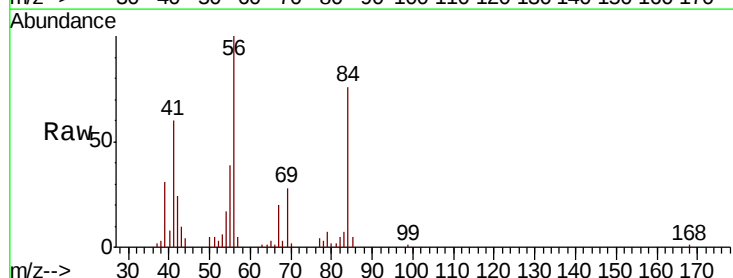
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00102

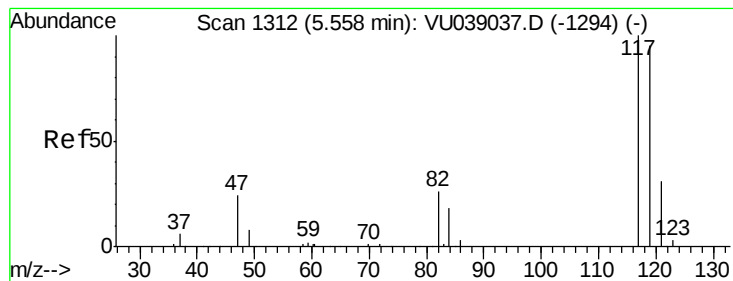
Tot Ion: 97 Resp: 33712
 Ion Ratio Lower Upper
 97 100
 99 66.7 50.3 75.5
 61 50.4 37.8 56.6



#30
 Cyclohexane
 Concen: 0.997 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VU039036.D
 Acq: 23 Jun 2020 13:21

Tgt Ion: 56 Resp: 30444
 Ion Ratio Lower Upper
 56 100
 69 30.4 23.3 34.9
 84 79.4 67.1 100.7





#31

Carbon tetrachloride

Concen: 1.078 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU039036.D

Acq: 23 Jun 2020 13:21

Instrument :

MSVOA_U

ClientSampleId :

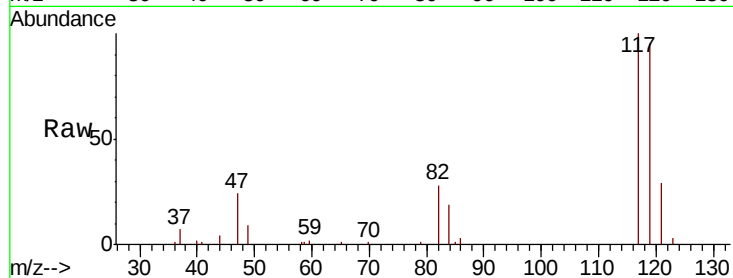
VSTD00102

Tot Ion:117 Resp: 29437

Ion Ratio Lower Upper

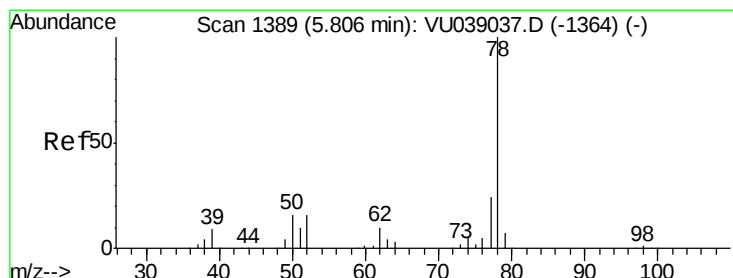
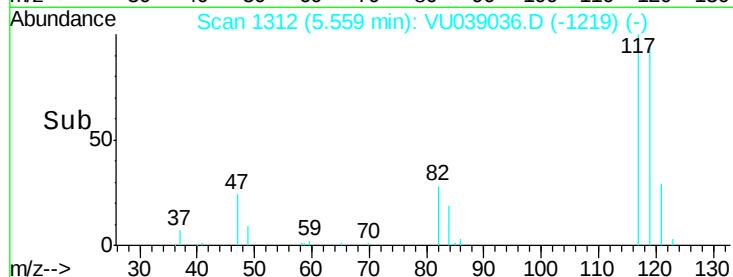
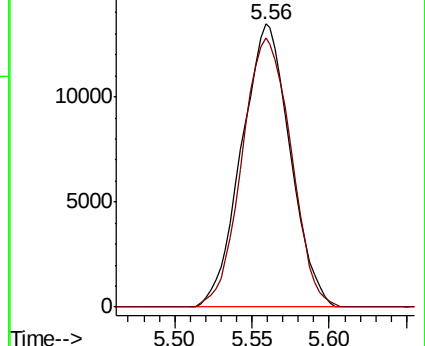
117 100

119 95.7 75.7 113.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 1.041 ug/L

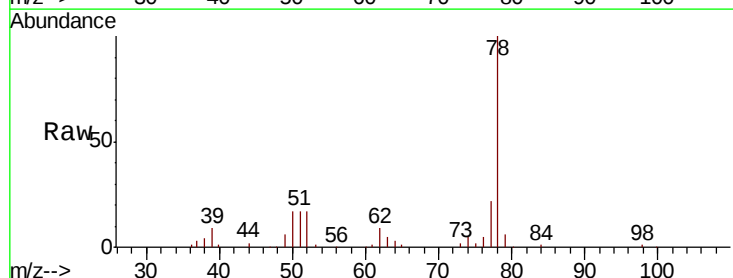
RT: 5.81 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VU039036.D

Acq: 23 Jun 2020 13:21

Tgt Ion: 78 Resp: 86007



Abundance Ion 78.10 (77.80 to 78.80): VU0

50000

40000

30000

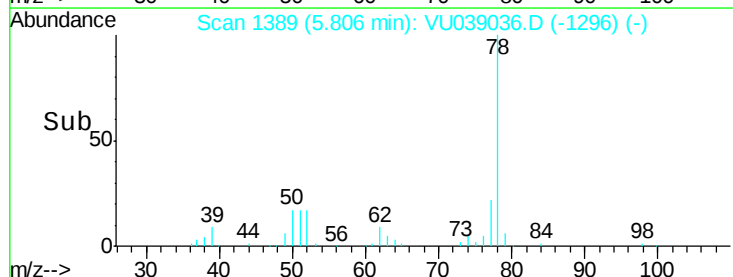
20000

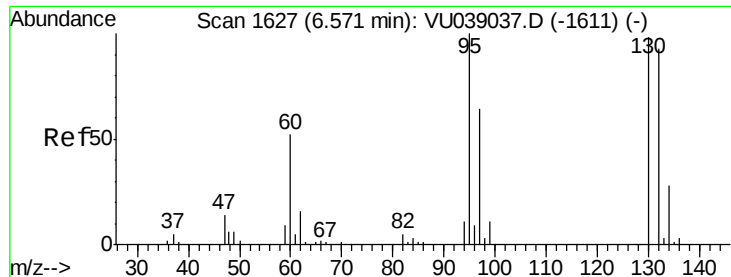
10000

0

5.70 5.75 5.80 5.85 5.90

Time-->

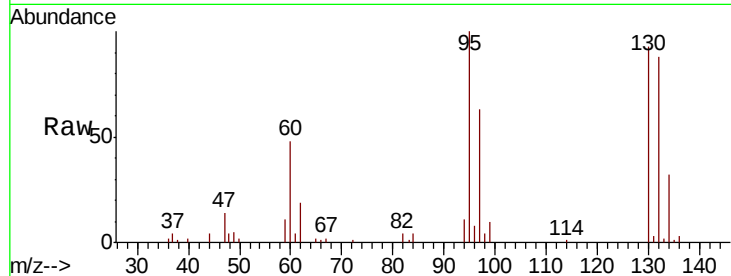




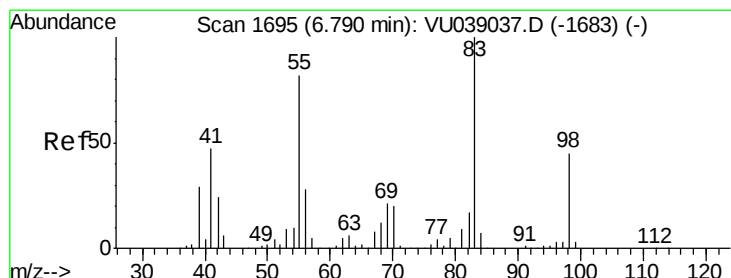
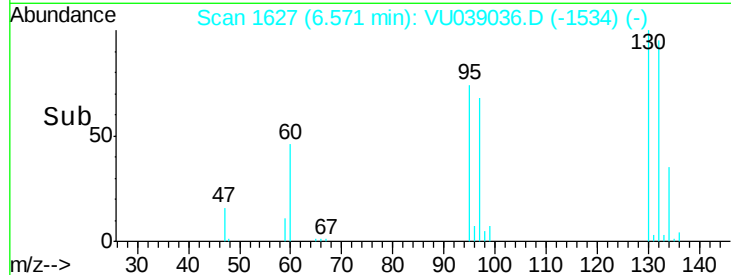
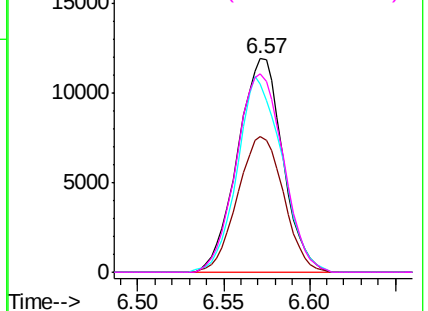
#34
 Trichloroethene
 Concen: 1.088 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU039036.D
 Acq: 23 Jun 2020 13:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00102

Tot Ion: 95 Resp: 21745
 Ion Ratio Lower Upper
 95 100
 97 63.4 45.1 83.7
 132 88.3 65.1 120.9
 130 92.8 68.6 127.4

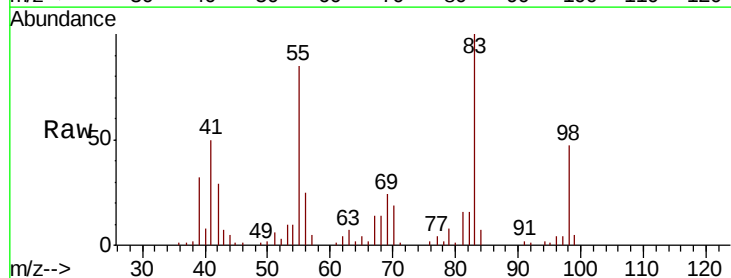


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

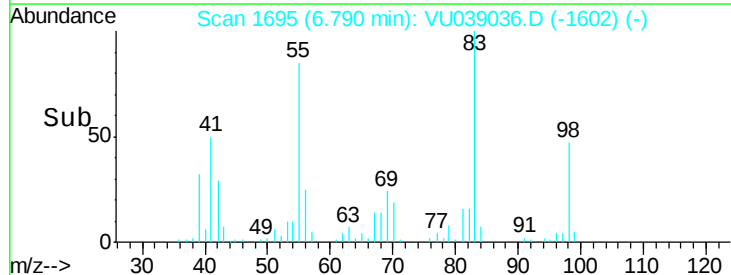
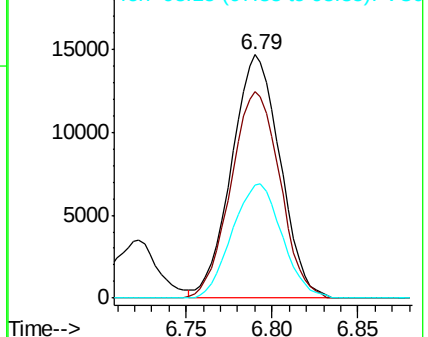


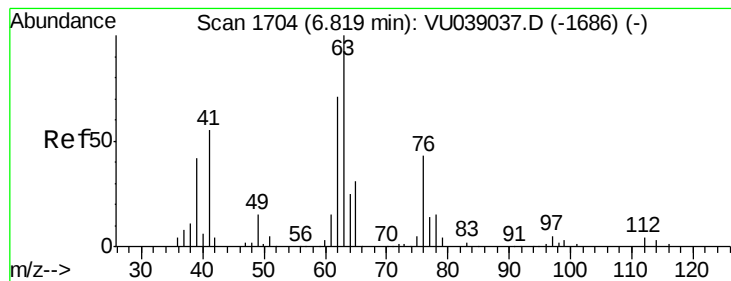
#35
 Methylcyclohexane
 Concen: 0.975 ug/L
 RT: 6.79 min Scan# 1695
 Delta R.T. 0.00 min
 Lab File: VU039036.D
 Acq: 23 Jun 2020 13:21

Tgt Ion: 83 Resp: 28888
 Ion Ratio Lower Upper
 83 100
 55 85.6 65.5 98.3
 98 48.1 36.5 54.7



Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 1.054 ug/L

RT: 6.82 min Scan# 1704

Delta R.T. 0.00 min

Lab File: VU039036.D

Acq: 23 Jun 2020 13:21

Instrument :

MSVOA_U

ClientSampleId :

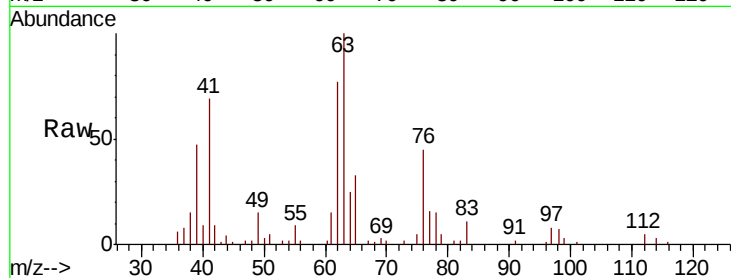
VSTD00102

Tot Ion: 63 Resp: 23580

Ion Ratio Lower Upper

63 100

112 5.1 3.4 5.2



Abundance Ion 63.10 (62.80 to 63.80): VU039037.D (-1686) (-)

Ion 112.10 (111.80 to 112.80): VU039037.D (-1686) (-)

6.82

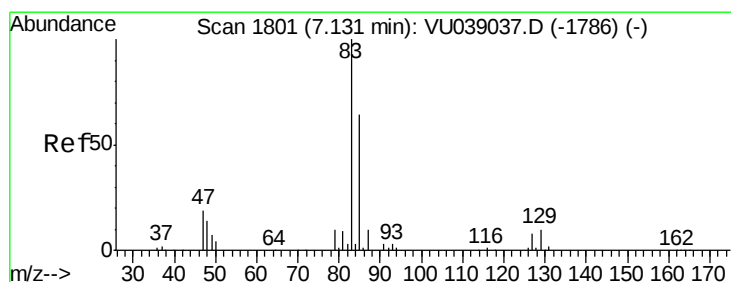
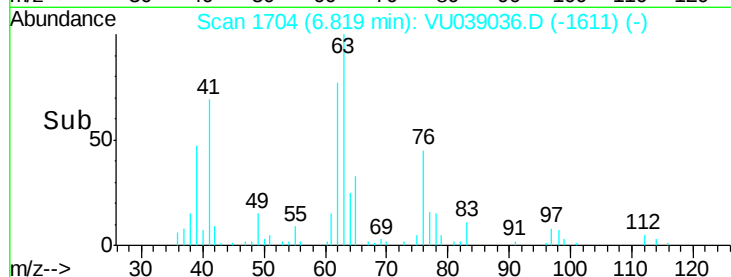
10000

5000

0

6.75 6.80 6.85

Time-->



#38

Bromodichloromethane

Concen: 1.035 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VU039036.D

Acq: 23 Jun 2020 13:21

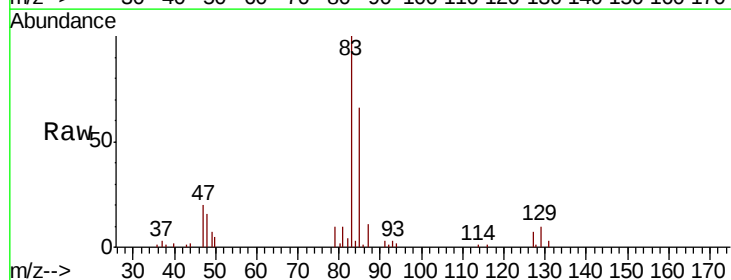
Tgt Ion: 83 Resp: 28867

Ion Ratio Lower Upper

83 100

85 66.5 44.9 83.3

127 7.2 6.3 9.5



Abundance Ion 82.95 (82.65 to 83.65): VU039037.D (-1786) (-)

Ion 85.00 (84.70 to 85.70): VU039037.D (-1786) (-)

Ion 126.90 (126.60 to 127.60): VU039037.D (-1786) (-)

7.13

20000

15000

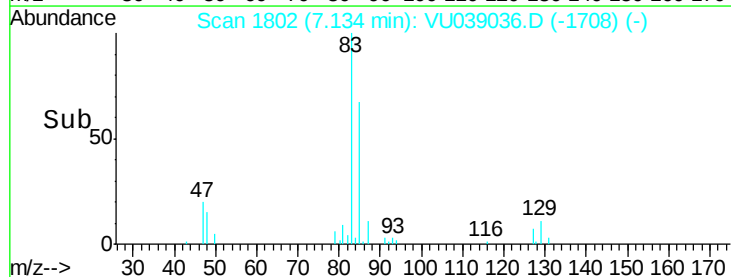
10000

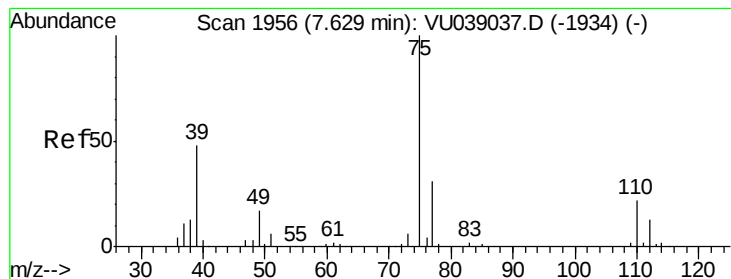
5000

0

7.05 7.10 7.15 7.20

Time-->



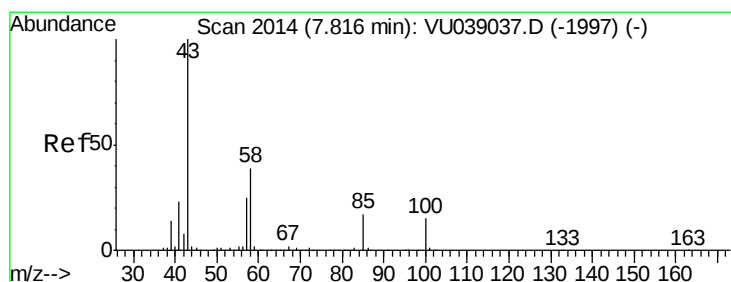
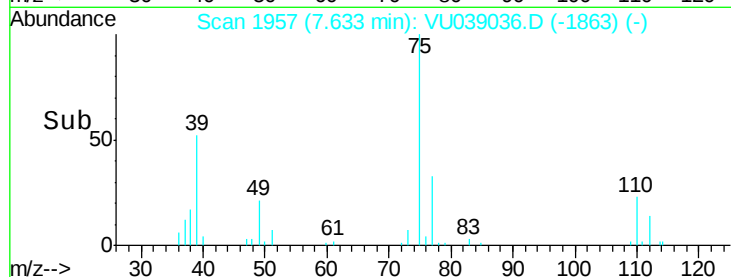
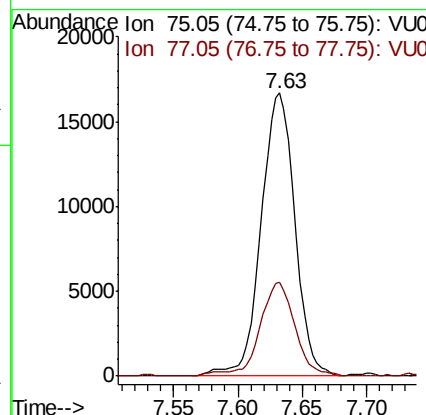
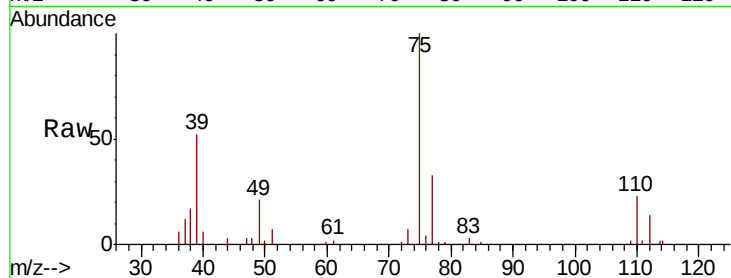


#39

cis-1,3-Dichloropropene
 Concen: 0.984 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU039036.D
 Acq: 23 Jun 2020 13:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00102

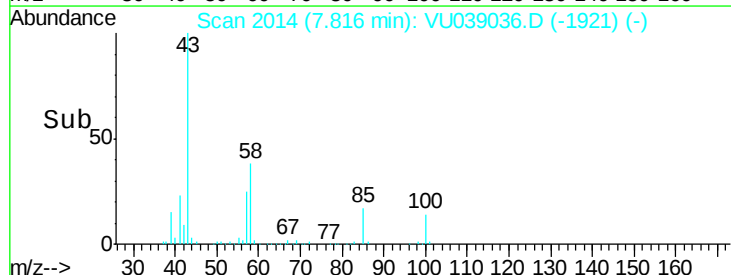
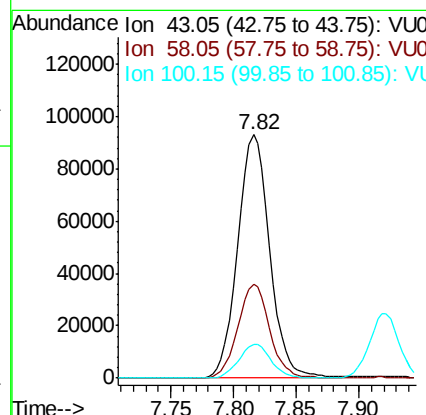
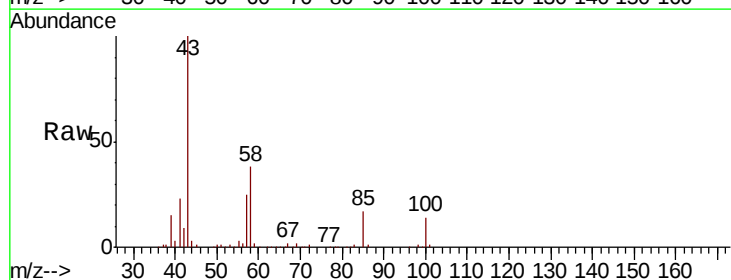
Tot Ion: 75 Resp: 30525
 Ion Ratio Lower Upper
 75 100
 77 33.0 21.6 40.0

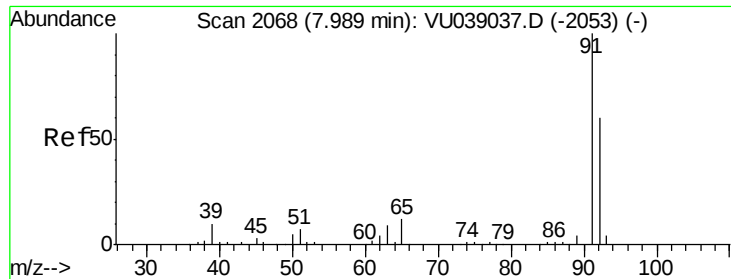


#40

4-Methyl-2-pentanone
 Concen: 9.935 ug/L
 RT: 7.82 min Scan# 2014
 Delta R.T. 0.00 min
 Lab File: VU039036.D
 Acq: 23 Jun 2020 13:21

Tgt Ion: 43 Resp: 165925
 Ion Ratio Lower Upper
 43 100
 58 38.2 31.3 46.9
 100 13.9 11.6 17.4





#42

Toluene

Concen: 1.032 ug/L

RT: 7.99 min Scan# 2068

Delta R.T. 0.00 min

Lab File: VU039036.D

Acq: 23 Jun 2020 13:21

Instrument :

MSVOA_U

ClientSampleId :

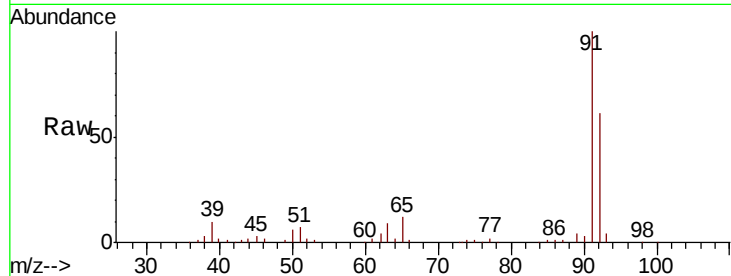
VSTD00102

Tot Ion: 91 Resp: 84635

Ion Ratio Lower Upper

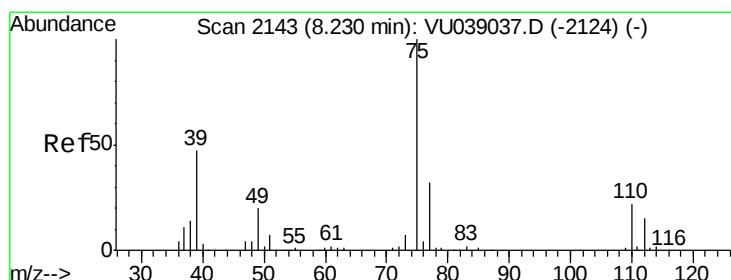
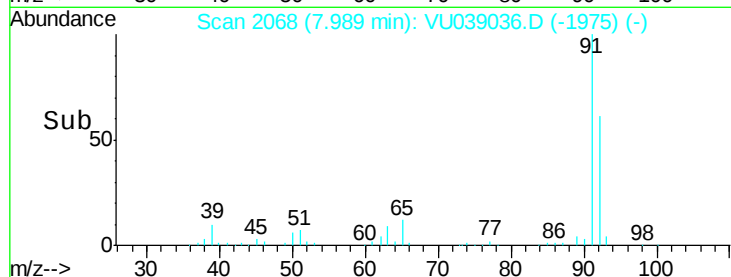
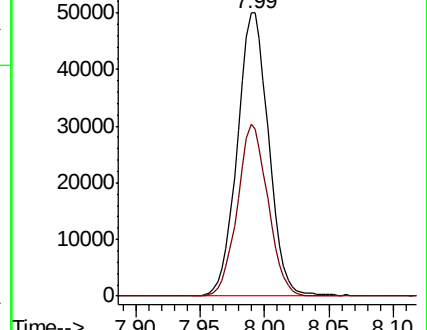
91 100

92 60.7 42.1 78.1



Abundance Ion 91.15 (90.85 to 91.85): VU039037.D (-2053) (-)

Ion 92.15 (91.85 to 92.85): VU039037.D (-2053) (-)



#44

trans-1,3-Dichloropropene

Concen: 1.003 ug/L

RT: 8.23 min Scan# 2143

Delta R.T. 0.00 min

Lab File: VU039036.D

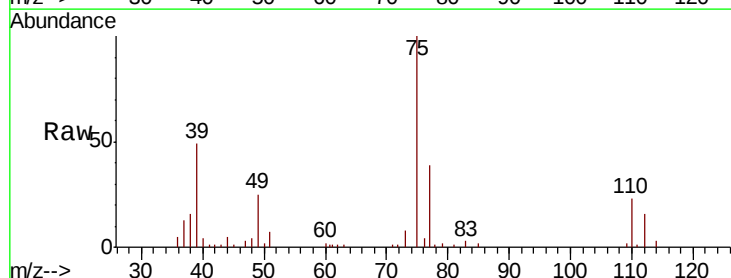
Acq: 23 Jun 2020 13:21

Tgt Ion: 75 Resp: 29094

Ion Ratio Lower Upper

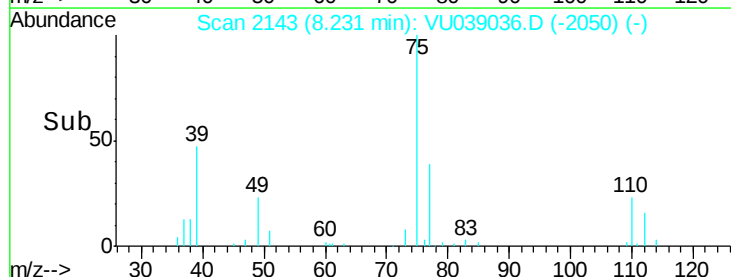
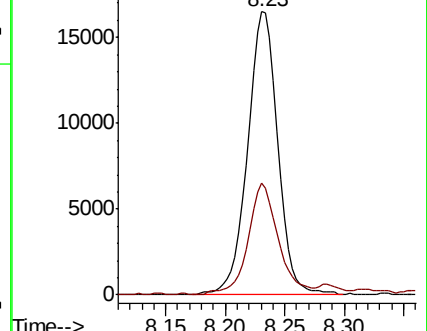
75 100

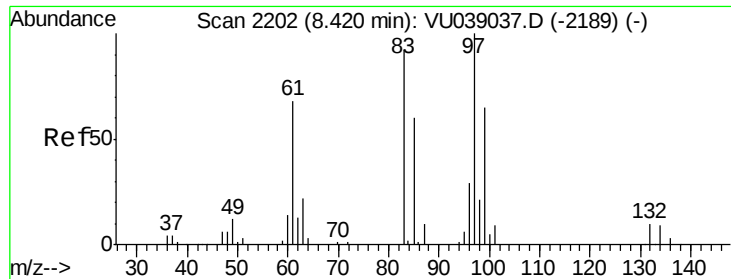
77 39.3 22.6 42.0



Abundance Ion 75.05 (74.75 to 75.75): VU039037.D (-2124) (-)

Ion 77.05 (76.75 to 77.75): VU039037.D (-2124) (-)

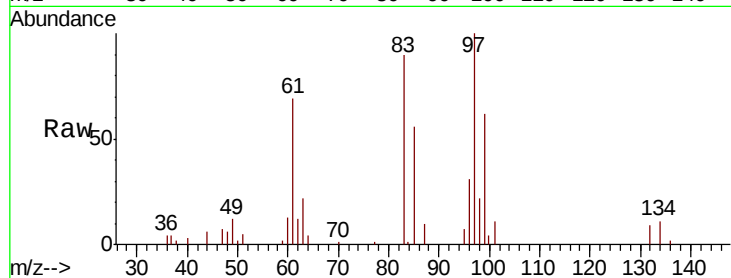




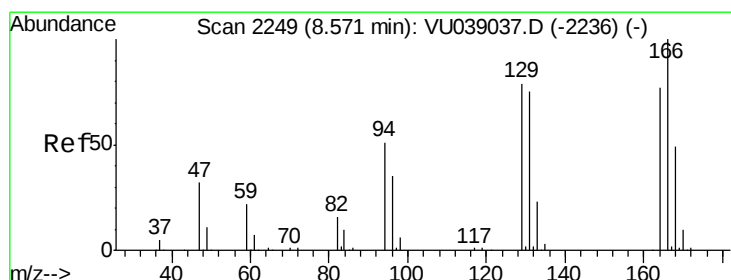
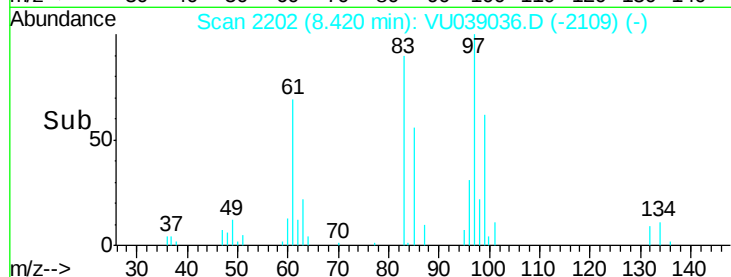
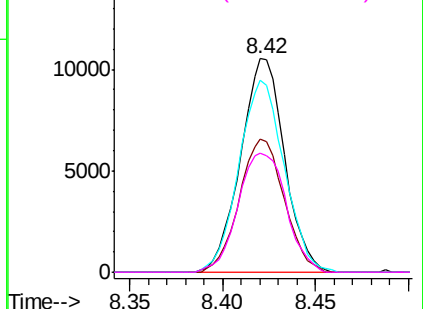
#45
1,1,2-Trichloroethane
Concen: 1.048 ug/L
RT: 8.42 min Scan# 2202
Delta R.T. 0.00 min
Lab File: VU039036.D
Acq: 23 Jun 2020 13:21

Instrument :
MSVOA_U
ClientSampleId :
VSTD00102

Tot Ion:	97	Resp:	17425
Ion	Ratio	Lower	Upper
97	100		
99	62.4	45.4	84.4
83	90.2	64.4	119.6
85	55.8	41.7	77.5

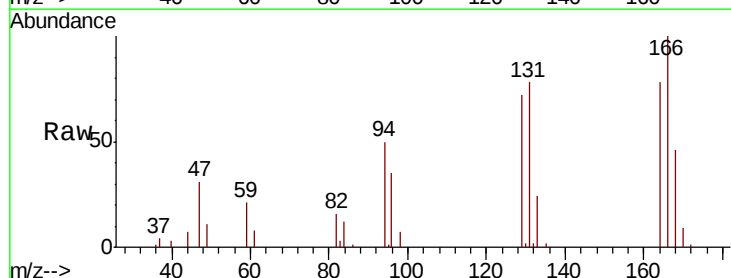


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 82.95 (82.65 to 83.65): VU0
Ion 85.00 (84.70 to 85.70): VU0

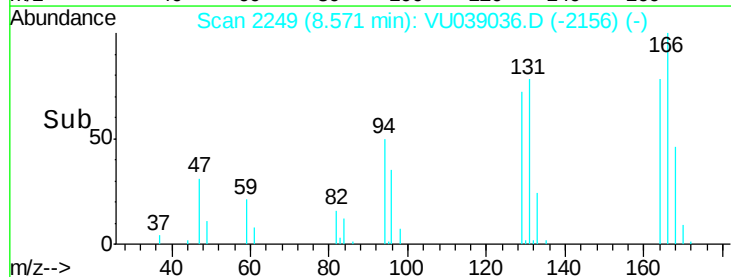
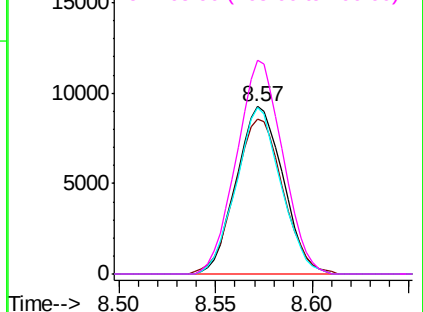


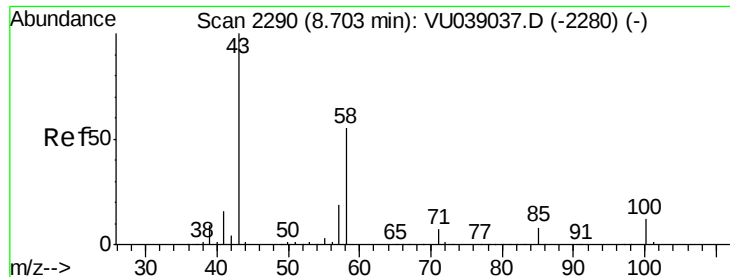
#47
Tetrachloroethene
Concen: 1.081 ug/L
RT: 8.57 min Scan# 2249
Delta R.T. 0.00 min
Lab File: VU039036.D
Acq: 23 Jun 2020 13:21

Tgt Ion:	164	Resp:	15566
Ion	Ratio	Lower	Upper
164	100		
129	92.4	71.3	132.5
131	99.4	68.3	126.8
166	127.6	90.8	168.6



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

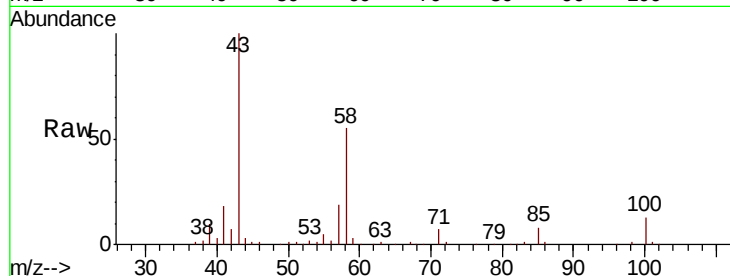




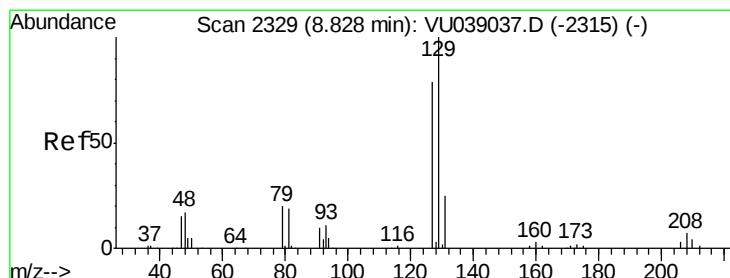
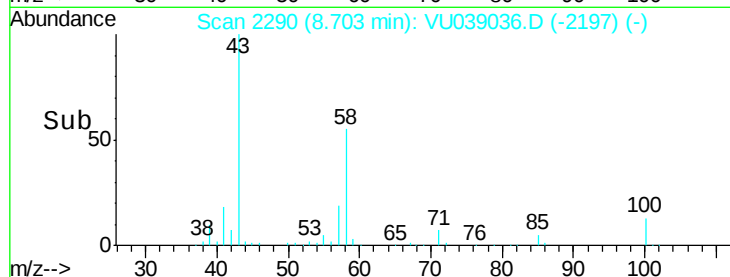
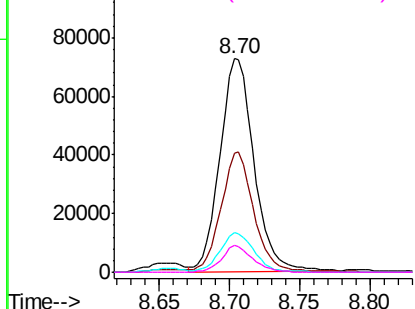
#48
2-Hexanone
Concen: 9.961 ug/L
RT: 8.70 min Scan# 2290
Delta R.T. 0.00 min
Lab File: VU039036.D
Acq: 23 Jun 2020 13:21

Instrument :
MSVOA_U
ClientSampleId :
VSTD00102

Tot Ion: 43 Resp: 121957
Ion Ratio Lower Upper
43 100
58 54.4 44.0 66.0
57 18.9 15.0 22.6
100 11.4 9.4 14.2

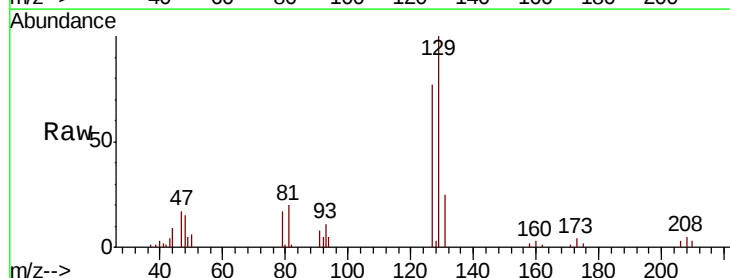


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

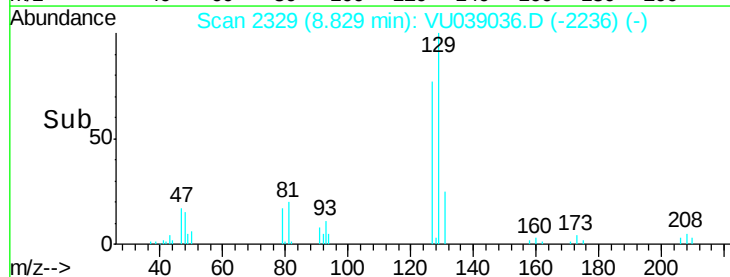
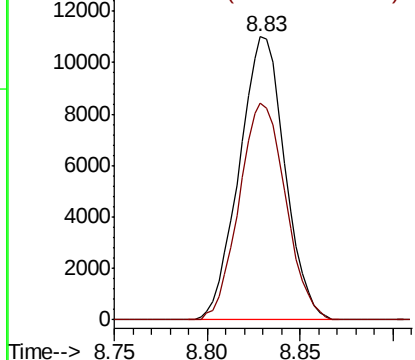


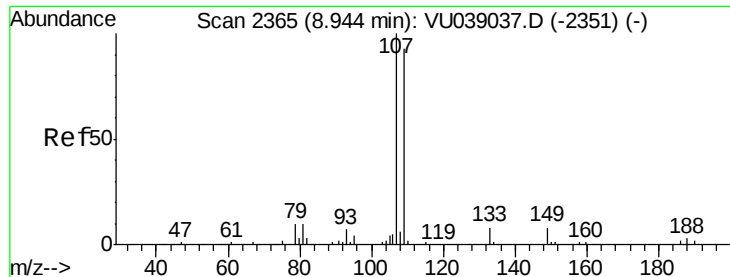
#49
Dibromochloromethane
Concen: 1.039 ug/L
RT: 8.83 min Scan# 2329
Delta R.T. 0.00 min
Lab File: VU039036.D
Acq: 23 Jun 2020 13:21

Tgt Ion: 129 Resp: 18793
Ion Ratio Lower Upper
129 100
127 76.8 55.4 103.0



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

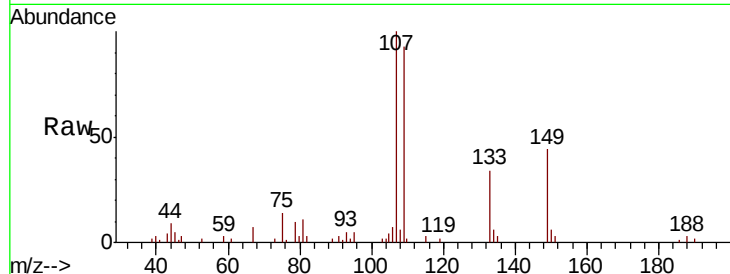




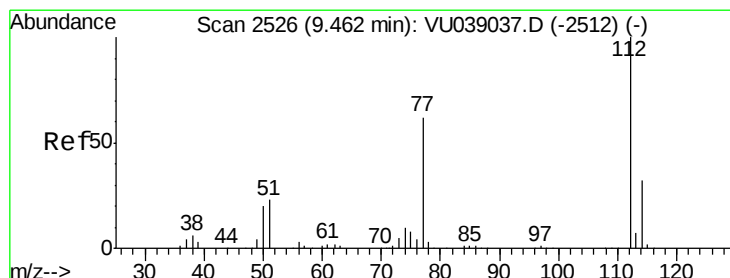
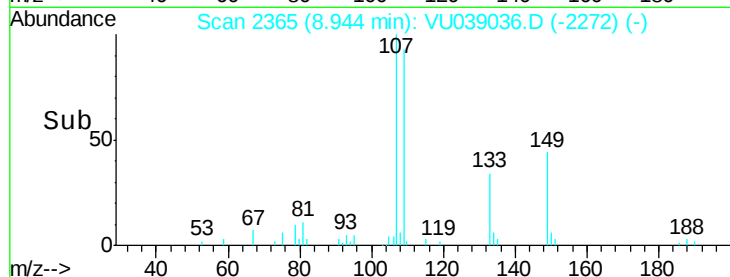
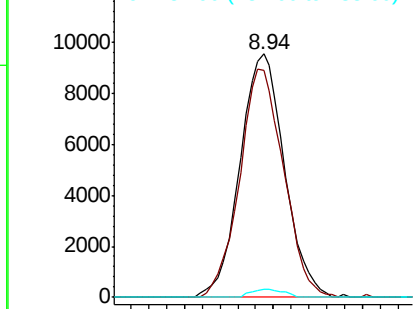
#50
1,2-Dibromoethane
Concen: 1.055 ug/L
RT: 8.94 min Scan# 2365
Delta R.T. 0.00 min
Lab File: VU039036.D
Acq: 23 Jun 2020 13:21

Instrument :
MSVOA_U
ClientSampleId :
VSTD00102

Tot Ion:107 Resp: 16594
Ion Ratio Lower Upper
107 100
109 93.2 64.8 120.4
188 3.3 2.4 3.6

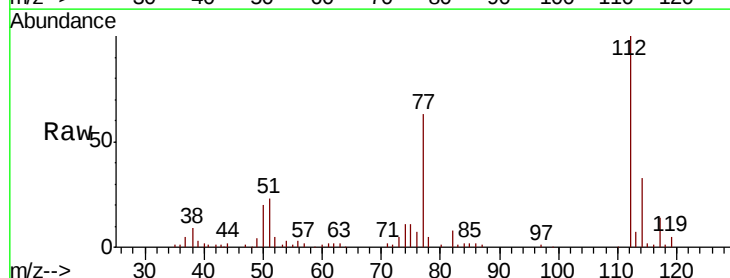


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

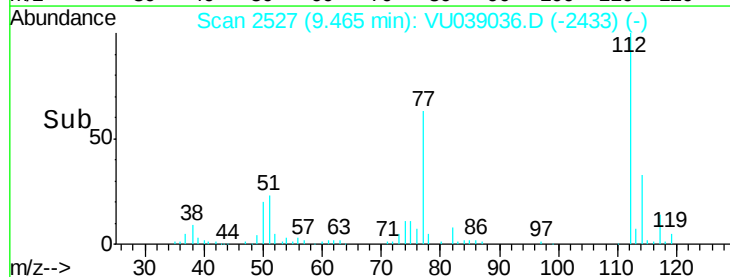
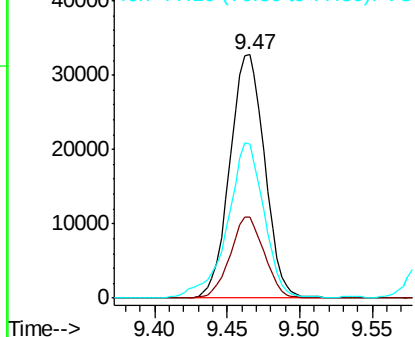


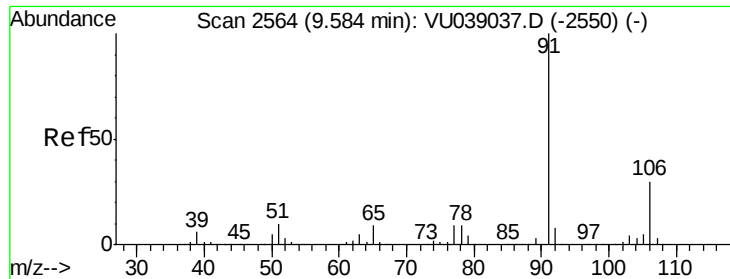
#51
Chlorobenzene
Concen: 1.058 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. 0.00 min
Lab File: VU039036.D
Acq: 23 Jun 2020 13:21

Tgt Ion:112 Resp: 54618
Ion Ratio Lower Upper
112 100
114 33.1 22.0 41.0
77 63.1 50.2 75.4



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 1.002 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. 0.00 min

Lab File: VU039036.D

Acq: 23 Jun 2020 13:21

Instrument :

MSVOA_U

ClientSampleId :

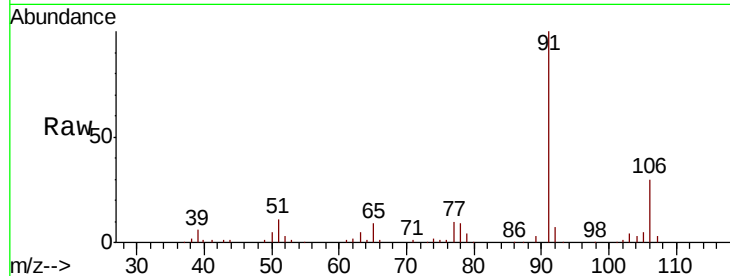
VSTD00102

Tot Ion: 91 Resp: 86306

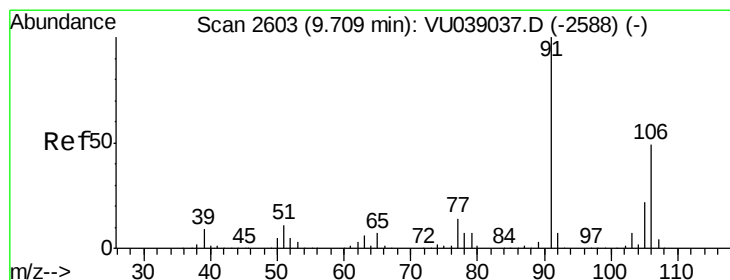
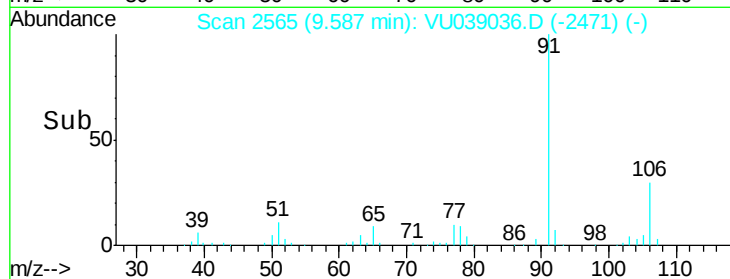
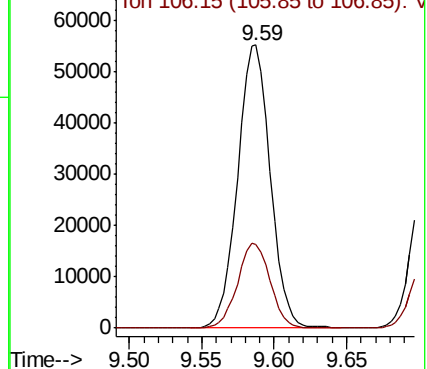
Ion Ratio Lower Upper

91 100

106 29.6 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VU039036.D (-2550) (-)



#53

m,p-Xylene

Concen: 0.938 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VU039036.D

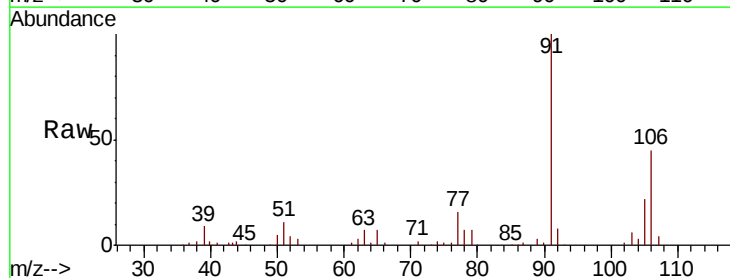
Acq: 23 Jun 2020 13:21

Tgt Ion: 106 Resp: 29713

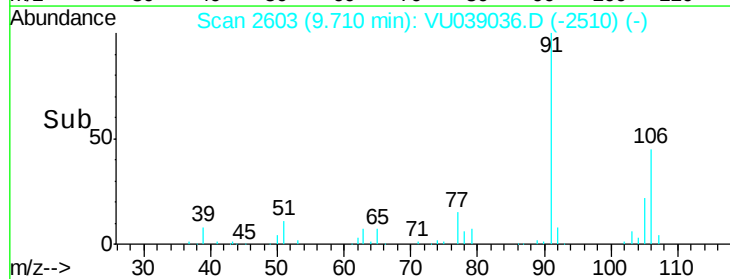
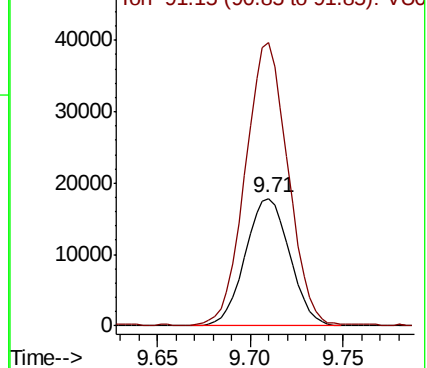
Ion Ratio Lower Upper

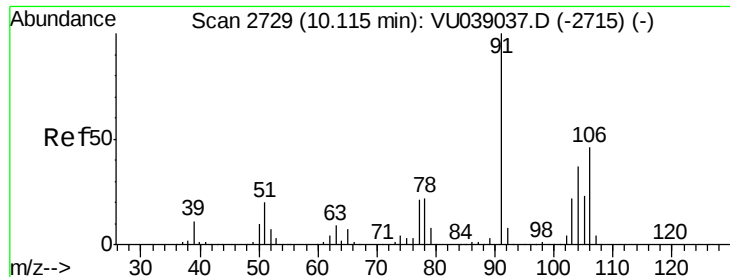
106 100

91 222.3 143.6 266.8



Abundance Ion 106.15 (105.85 to 106.85): VU039036.D (-2588) (-)

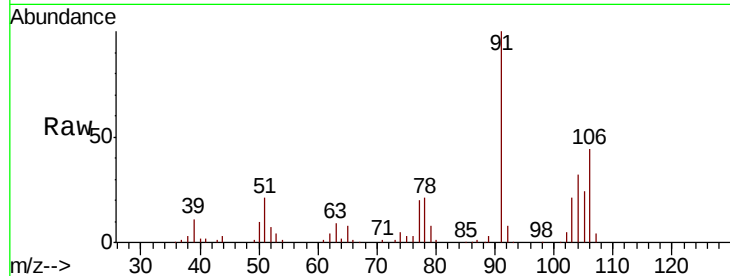




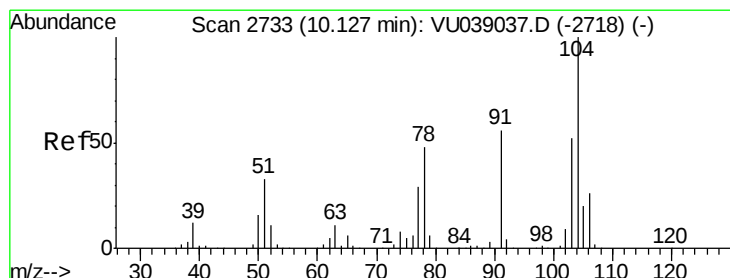
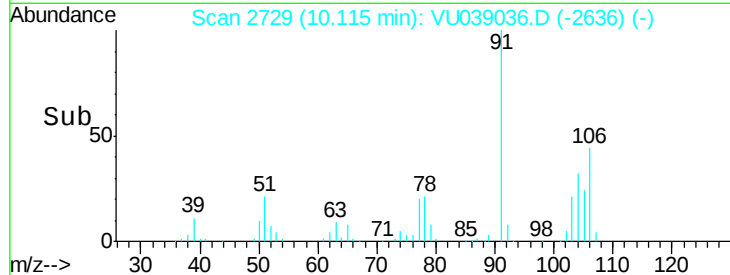
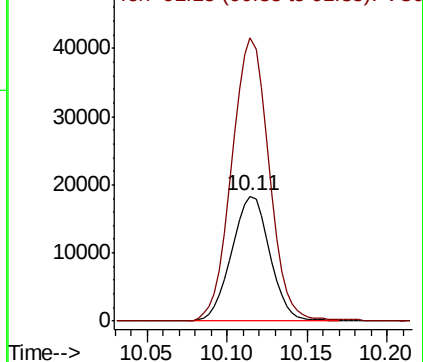
#54
o-Xylene
Concen: 0.980 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU039036.D
Acq: 23 Jun 2020 13:21

Instrument :
MSVOA_U
ClientSampleId :
VSTD00102

Tot Ion:106 Resp: 29827
Ion Ratio Lower Upper
106 100
91 225.9 153.5 285.1

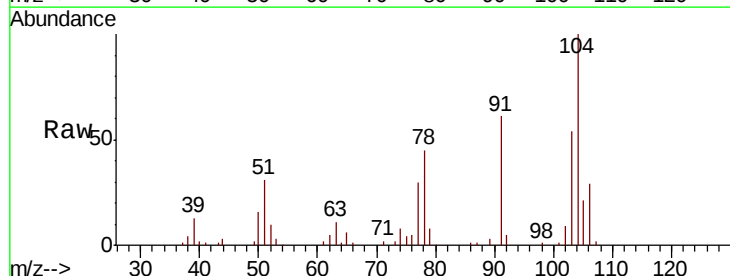


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

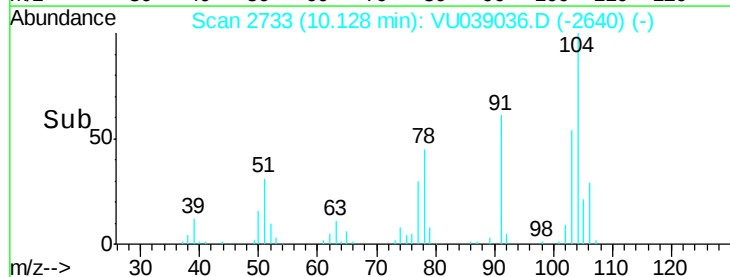
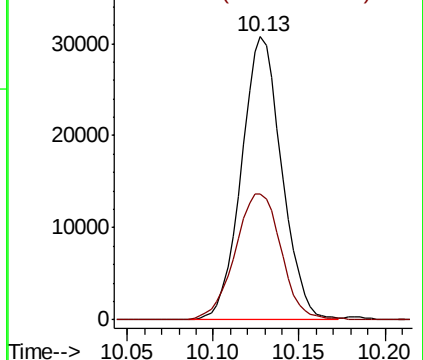


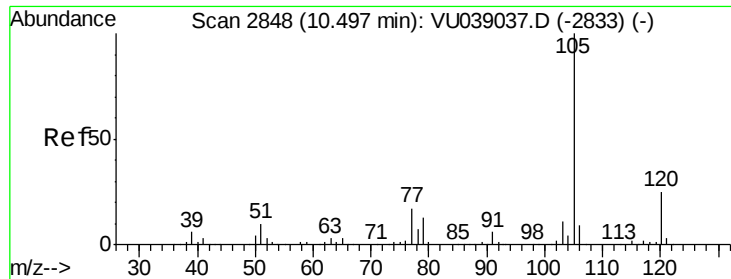
#55
Styrene
Concen: 0.938 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU039036.D
Acq: 23 Jun 2020 13:21

Tgt Ion:104 Resp: 50155
Ion Ratio Lower Upper
104 100
78 44.5 33.5 62.1



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 0.960 ug/L

RT: 10.50 min Scan# 2848

Delta R.T. 0.00 min

Lab File: VU039036.D

Acq: 23 Jun 2020 13:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD00102

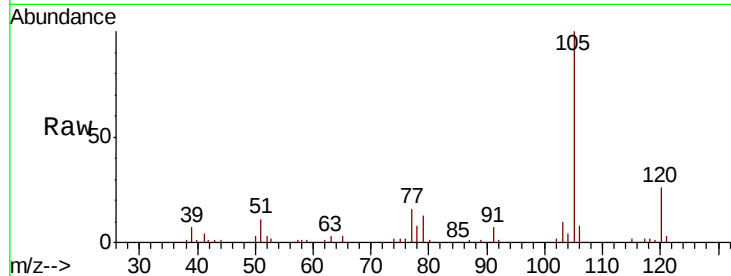
Tot Ion:105 Resp: 76572

Ion Ratio Lower Upper

105 100

120 25.2 19.9 29.9

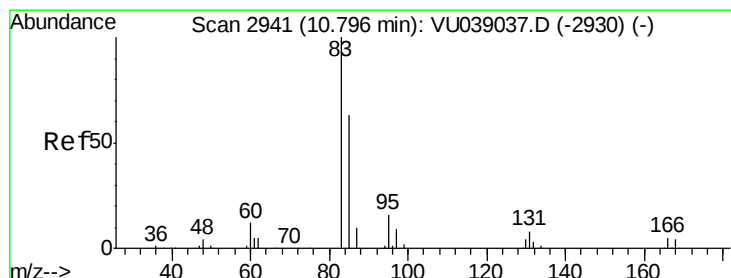
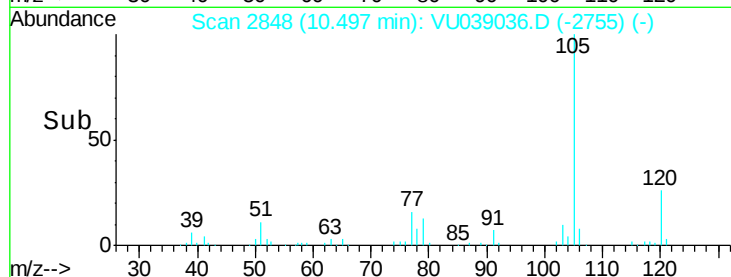
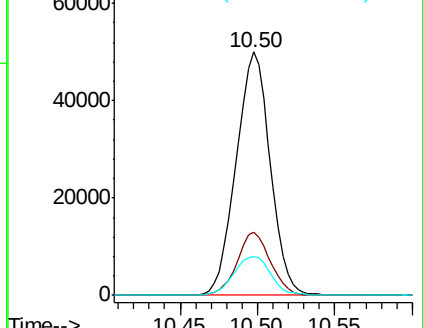
77 17.3 13.3 19.9



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: 1.038 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. 0.00 min

Lab File: VU039036.D

Acq: 23 Jun 2020 13:21

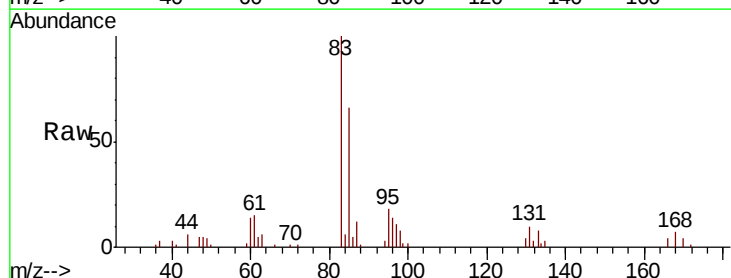
Tgt Ion: 83 Resp: 23089

Ion Ratio Lower Upper

83 100

85 66.3 45.3 84.1

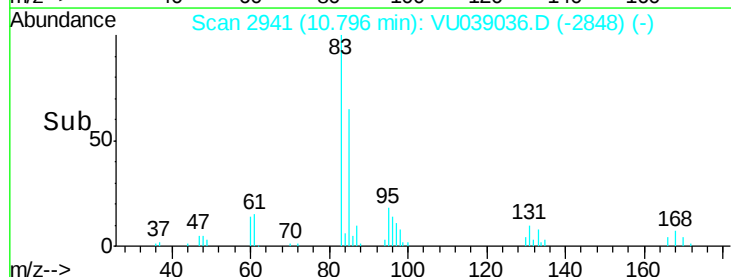
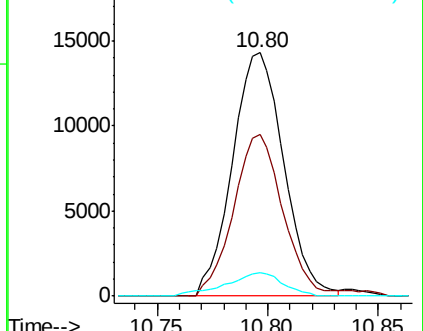
131 9.7 6.9 10.3

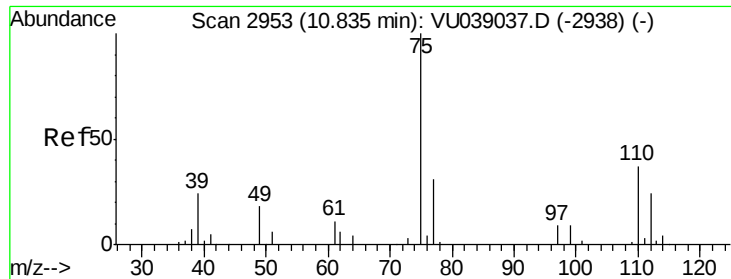


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

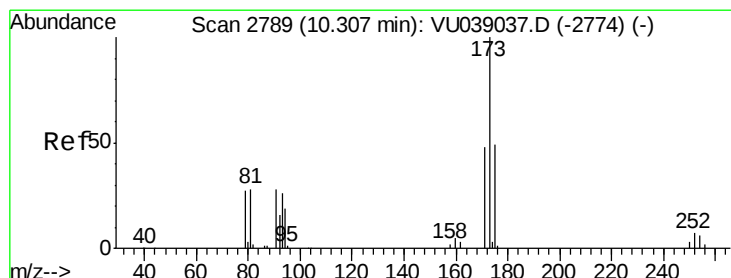
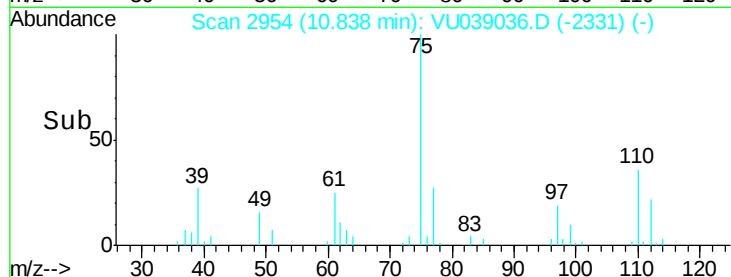
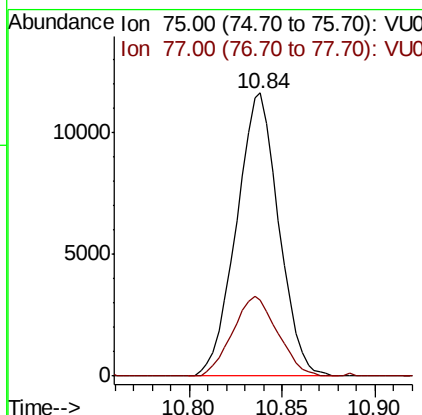
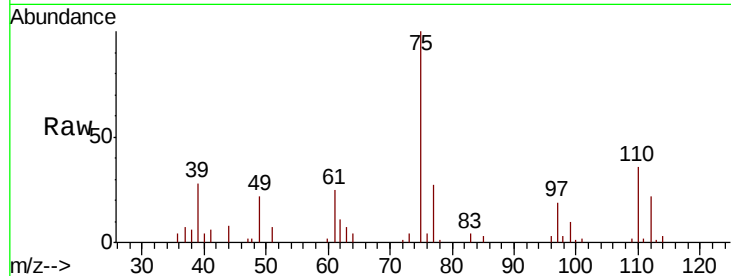




#59
 1,2,3-Trichloropropane
 Concen: 1.088 ug/L
 RT: 10.84 min Scan# 2954
 Delta R.T. 0.00 min
 Lab File: VU039036.D
 Acq: 23 Jun 2020 13:21

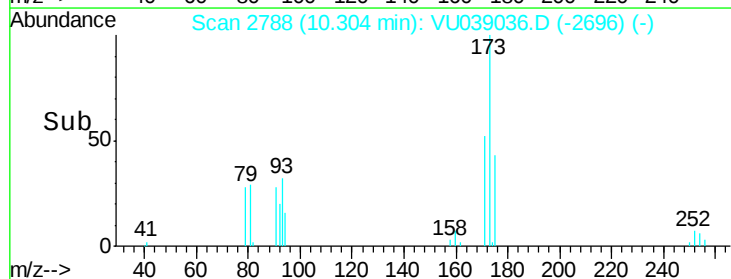
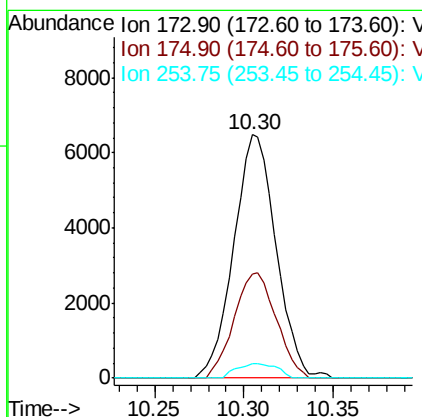
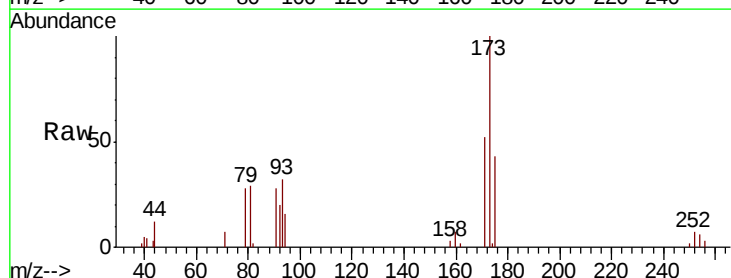
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00102

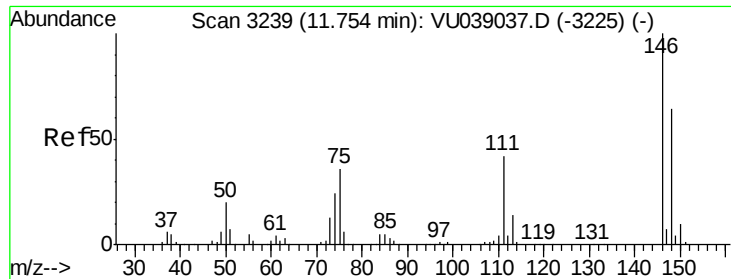
Tot Ion: 75 Resp: 18347
 Ion Ratio Lower Upper
 75 100
 77 29.9 26.2 39.2



#61
 Bromoform
 Concen: 1.072 ug/L
 RT: 10.30 min Scan# 2788
 Delta R.T. -0.00 min
 Lab File: VU039036.D
 Acq: 23 Jun 2020 13:21

Tgt Ion: 173 Resp: 10738
 Ion Ratio Lower Upper
 173 100
 175 43.0 39.3 58.9
 254 5.7 4.4 6.6

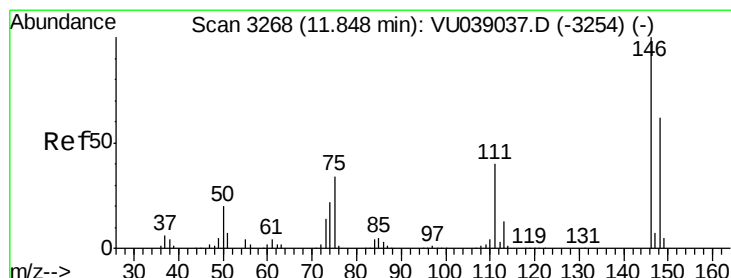
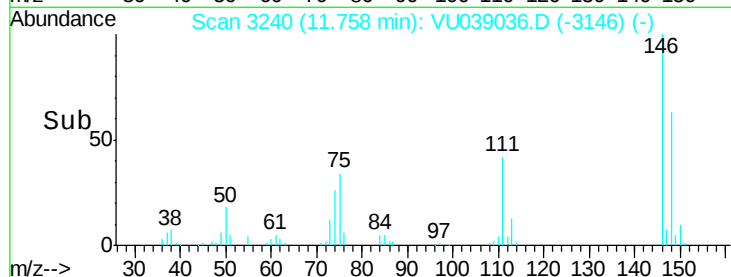
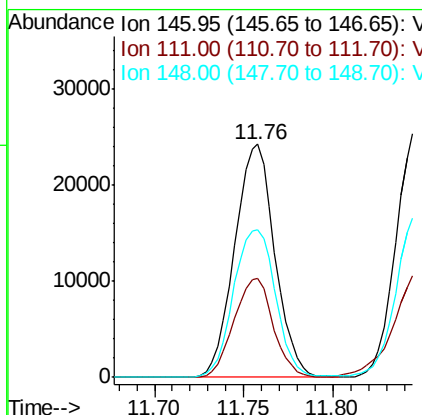
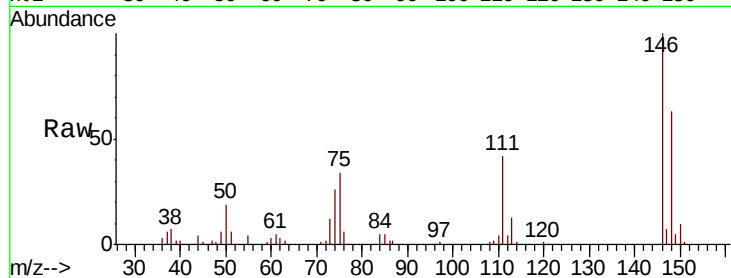




#62
 1,3-Dichlorobenzene
 Concen: 1.044 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. 0.00 min
 Lab File: VU039036.D
 Acq: 23 Jun 2020 13:21

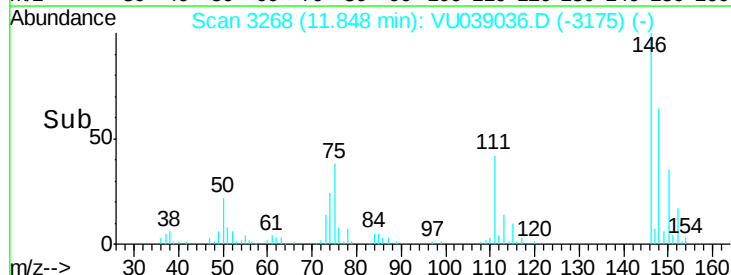
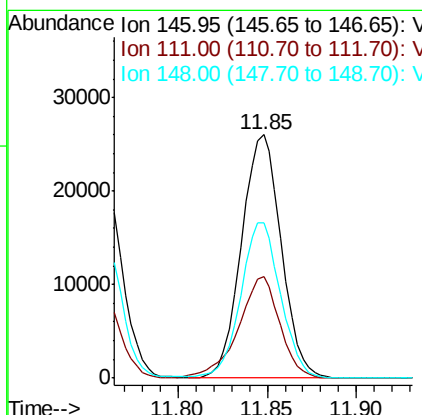
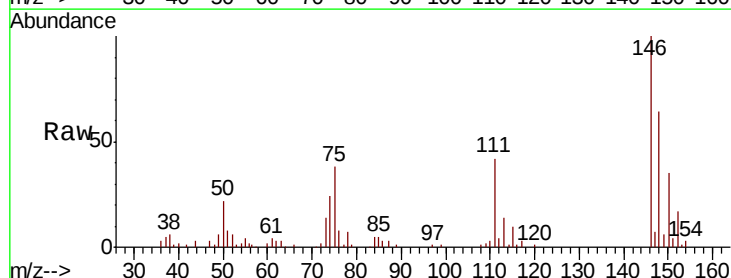
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00102

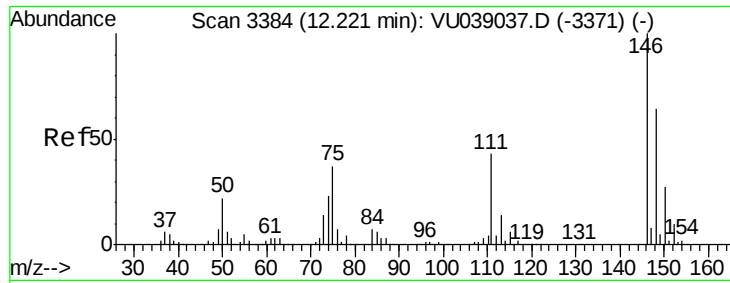
Tot Ion:146 Resp: 38080
 Ion Ratio Lower Upper
 146 100
 111 42.3 29.5 54.9
 148 63.4 44.5 82.7



#63
 1,4-Dichlorobenzene
 Concen: 1.080 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. 0.00 min
 Lab File: VU039036.D
 Acq: 23 Jun 2020 13:21

Tgt Ion:146 Resp: 40567
 Ion Ratio Lower Upper
 146 100
 111 41.8 28.4 52.8
 148 63.8 43.4 80.6





#65

1,2-Dichlorobenzene

Concen: 1.042 ug/L

RT: 12.22 min Scan# 3384

Delta R.T. 0.00 min

Lab File: VU039036.D

Acq: 23 Jun 2020 13:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD00102

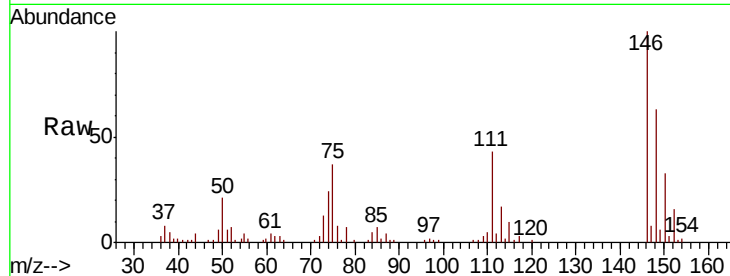
Tot Ion:146 Resp: 38086

Ion Ratio Lower Upper

146 100

111 43.1 34.7 52.1

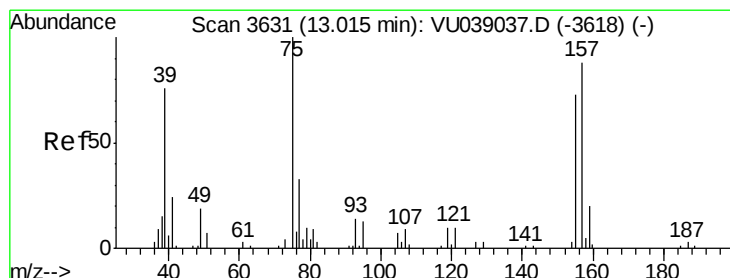
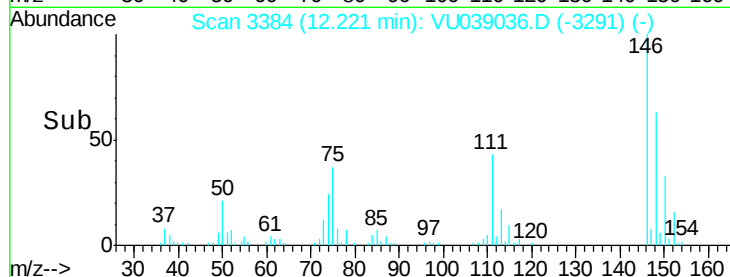
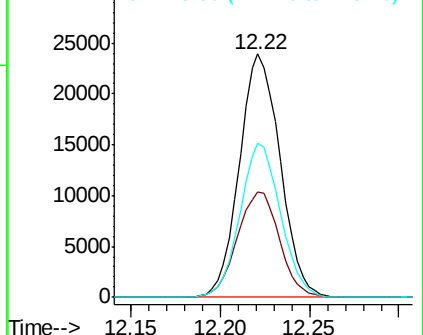
148 63.5 50.9 76.3



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



#66

1,2-Dibromo-3-chloropropane

Concen: 1.059 ug/L

RT: 13.01 min Scan# 3631

Delta R.T. 0.00 min

Lab File: VU039036.D

Acq: 23 Jun 2020 13:21

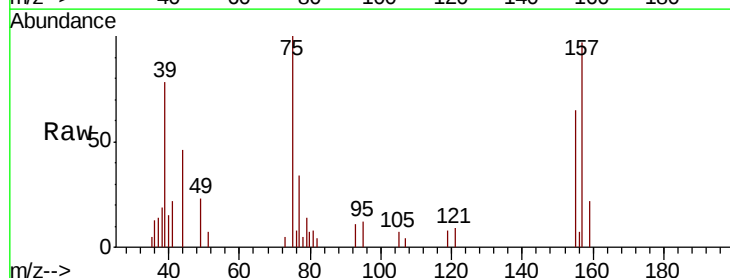
Tgt Ion: 75 Resp: 4272

Ion Ratio Lower Upper

75 100

155 65.0 58.6 88.0

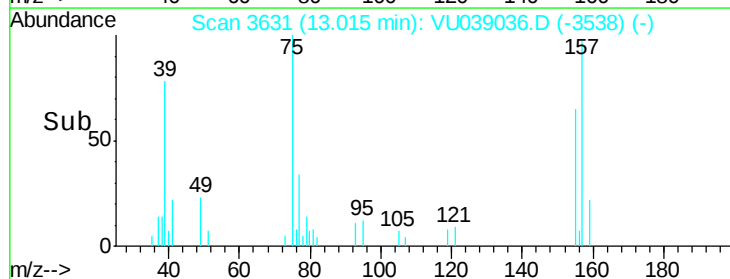
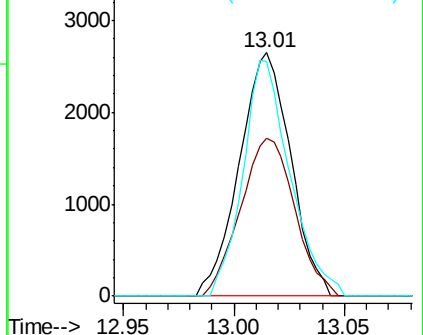
157 96.5 70.3 105.5

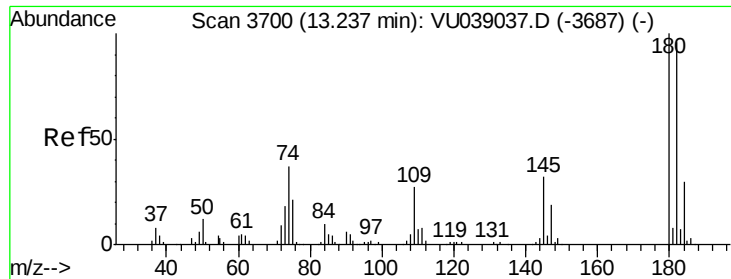


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

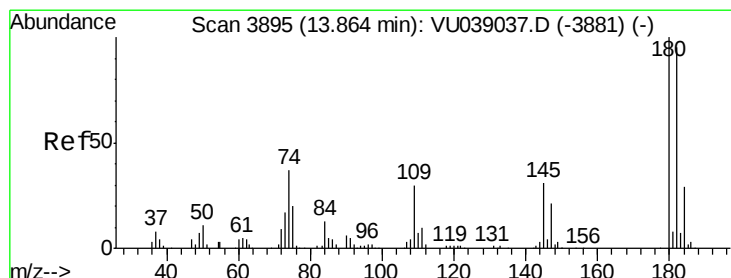
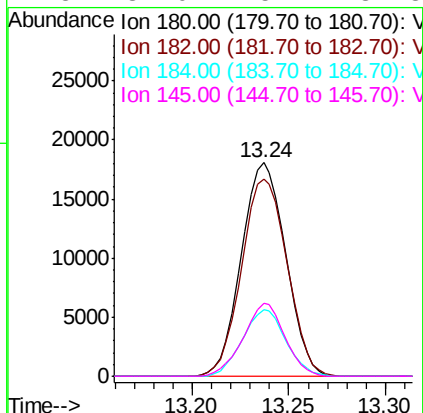
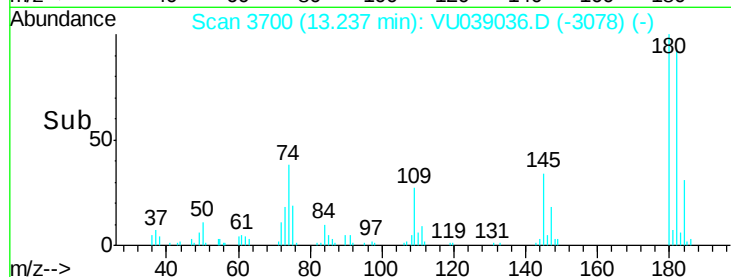
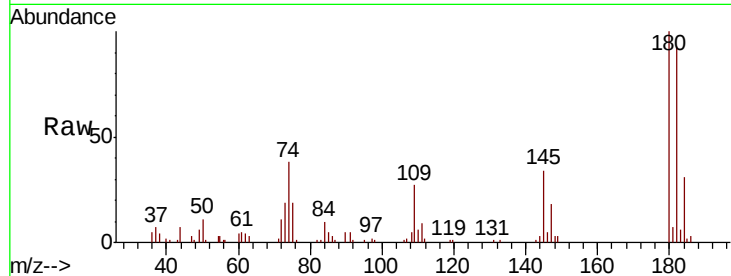




#67
 1,3,5-Trichlorobenzene
 Concen: 1.072 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. 0.00 min
 Lab File: VU039036.D
 Acq: 23 Jun 2020 13:21

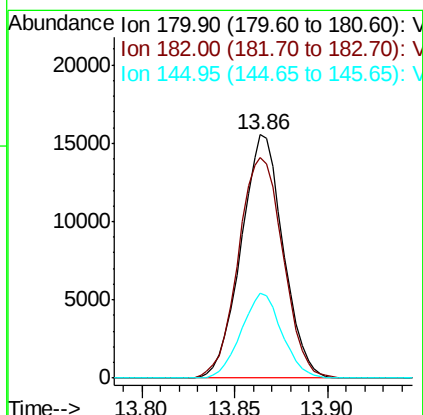
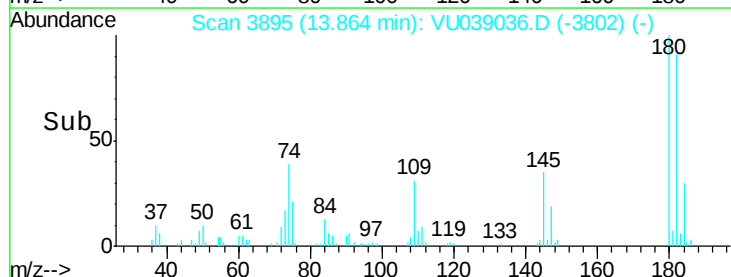
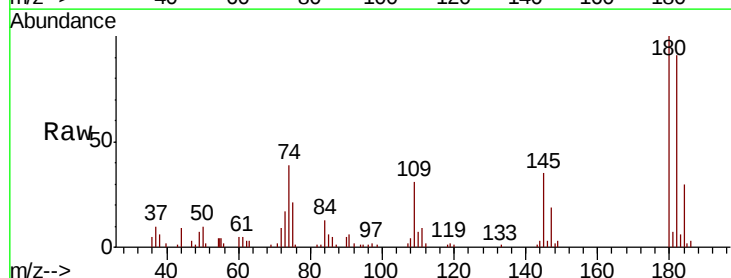
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00102

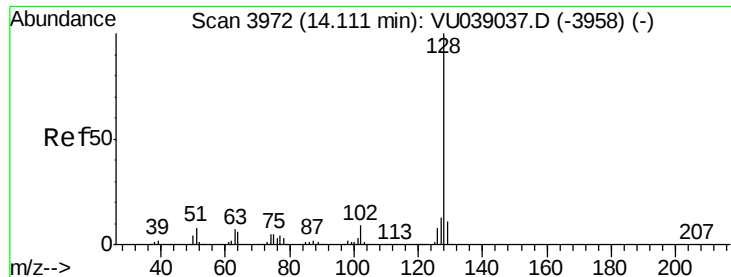
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	76.3	114.5
184	30.2	24.2	36.4
145	32.0	25.2	37.8



#68
 1,2,4-trichlorobenzene
 Concen: 0.997 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. 0.00 min
 Lab File: VU039036.D
 Acq: 23 Jun 2020 13:21

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	77.0	115.6
145	33.7	25.4	38.2





#69

Naphthalene

Concen: 0.936 ug/L

RT: 14.11 min Scan# 3972

Delta R.T. 0.00 min

Lab File: VU039036.D

Acq: 23 Jun 2020 13:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD00102

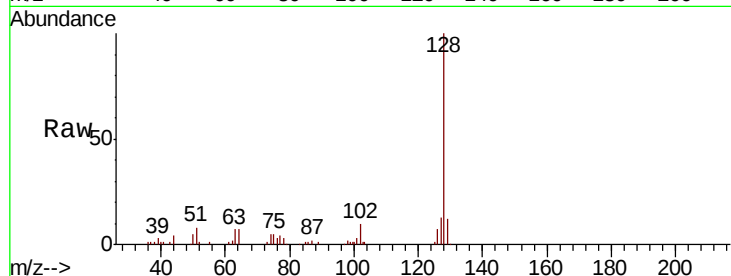
Tot Ion:128 Resp: 49063

Ion Ratio Lower Upper

128 100

129 10.7 8.9 13.3

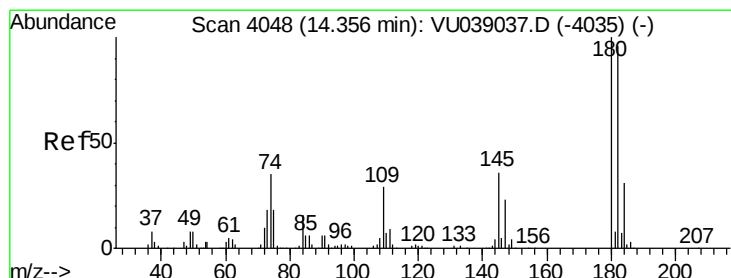
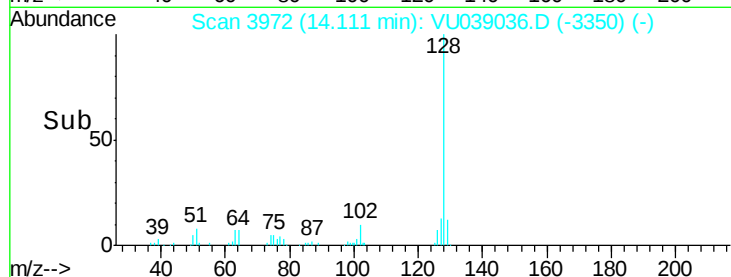
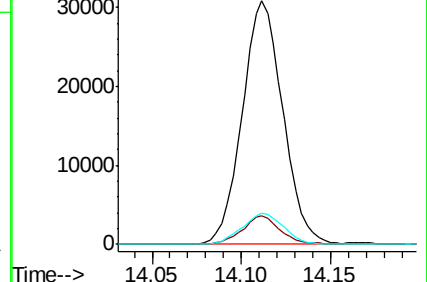
127 12.9 10.8 16.2



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: 1.055 ug/L

RT: 14.36 min Scan# 4048

Delta R.T. 0.00 min

Lab File: VU039036.D

Acq: 23 Jun 2020 13:21

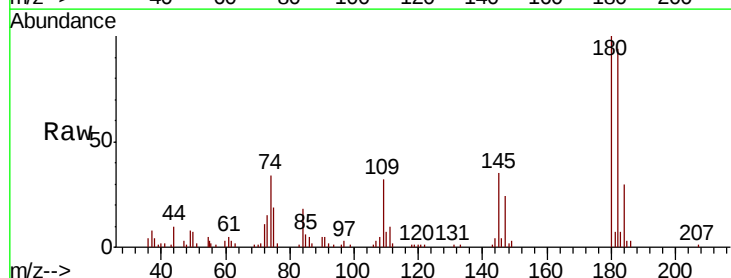
Tgt Ion:180 Resp: 25034

Ion Ratio Lower Upper

180 100

182 93.9 75.8 113.6

145 35.2 27.6 41.4



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

