

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062320\
 Data File : VU039039.D
 Acq On : 23 Jun 2020 14:28
 Operator : SY/MD
 Sample : VSTD02005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02005

Quant Time: Jun 24 00:30:16 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	314406	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.43	117	308372	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	154359	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	417917	18.16	ug/L	0.00
7) Chloroethane-d5	1.93	69	324812	17.07	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	817893	18.49	ug/L	0.00
20) 2-Butanone-d5	4.67	46	1583835	190.61	ug/L	0.00
24) Chloroform-d	5.10	84	825767	18.24	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	492806	17.69	ug/L	0.00
32) Benzene-d6	5.76	84	1617398	18.91	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	530884	18.47	ug/L	0.00
41) Toluene-d8	7.92	98	1389026	19.42	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	246811	19.76	ug/L	0.00
46) 2-Hexanone-d5	8.65	63	1406784	218.26	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	505597	18.93	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.20	152	537074	18.68	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	500854	17.801	ug/L 100
3) Chloromethane	1.53	50	534831	17.661	ug/L 95
5) Vinyl chloride	1.62	62	554036	18.141	ug/L 99
6) Bromomethane	1.87	94	288326	17.535	ug/L 99
8) Chloroethane	1.95	64	311513	16.923	ug/L 96
9) Trichlorofluoromethane	2.16	101	694291	17.757	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	398818	17.521	ug/L 99
12) 1,1-Dichloroethene	2.60	96	396411	18.206	ug/L 93
13) Acetone	2.67	43	935990	165.881	ug/L 99
14) Carbon disulfide	2.82	76	1299348	17.897	ug/L 100
15) Methyl Acetate	2.98	43	227800	17.001	ug/L 96
16) Methylene chloride	3.08	84	458913	17.082	ug/L 99
17) Methyl tert-butyl Ether	3.40	73	1207686	19.482	ug/L 100
18) trans-1,2-Dichloroethene	3.39	96	424518	18.220	ug/L 99
19) 1,1-Dichloroethane	3.91	63	836592	18.062	ug/L 99
21) 2-Butanone	4.75	43	1639786	191.144	ug/L 99
22) cis-1,2-Dichloroethene	4.71	96	469826	18.686	ug/L 95
23) Bromochloromethane	5.01	128	208108	17.985	ug/L 96
25) Chloroform	5.12	83	826189	17.755	ug/L 97
27) 1,2-Dichloroethane	5.83	62	589930	17.791	ug/L 99
29) 1,1,1-Trichloroethane	5.35	97	702662	18.258	ug/L 100
30) Cyclohexane	5.42	56	732961	20.470	ug/L 98
31) Carbon tetrachloride	5.56	117	582893	18.189	ug/L 100
33) Benzene	5.81	78	1808621	18.667	ug/L 100
34) Trichloroethene	6.57	95	440306	18.788	ug/L 99
35) Methylcyclohexane	6.79	83	725205	20.854	ug/L 98
37) 1,2-Dichloropropane	6.82	63	488440	18.608	ug/L 100
38) Bromodichloromethane	7.13	83	610988	18.670	ug/L 99
39) cis-1,3-Dichloropropene	7.63	75	752875	20.693	ug/L 100
40) 4-Methyl-2-pentanone	7.82	43	3923143	200.244	ug/L 99

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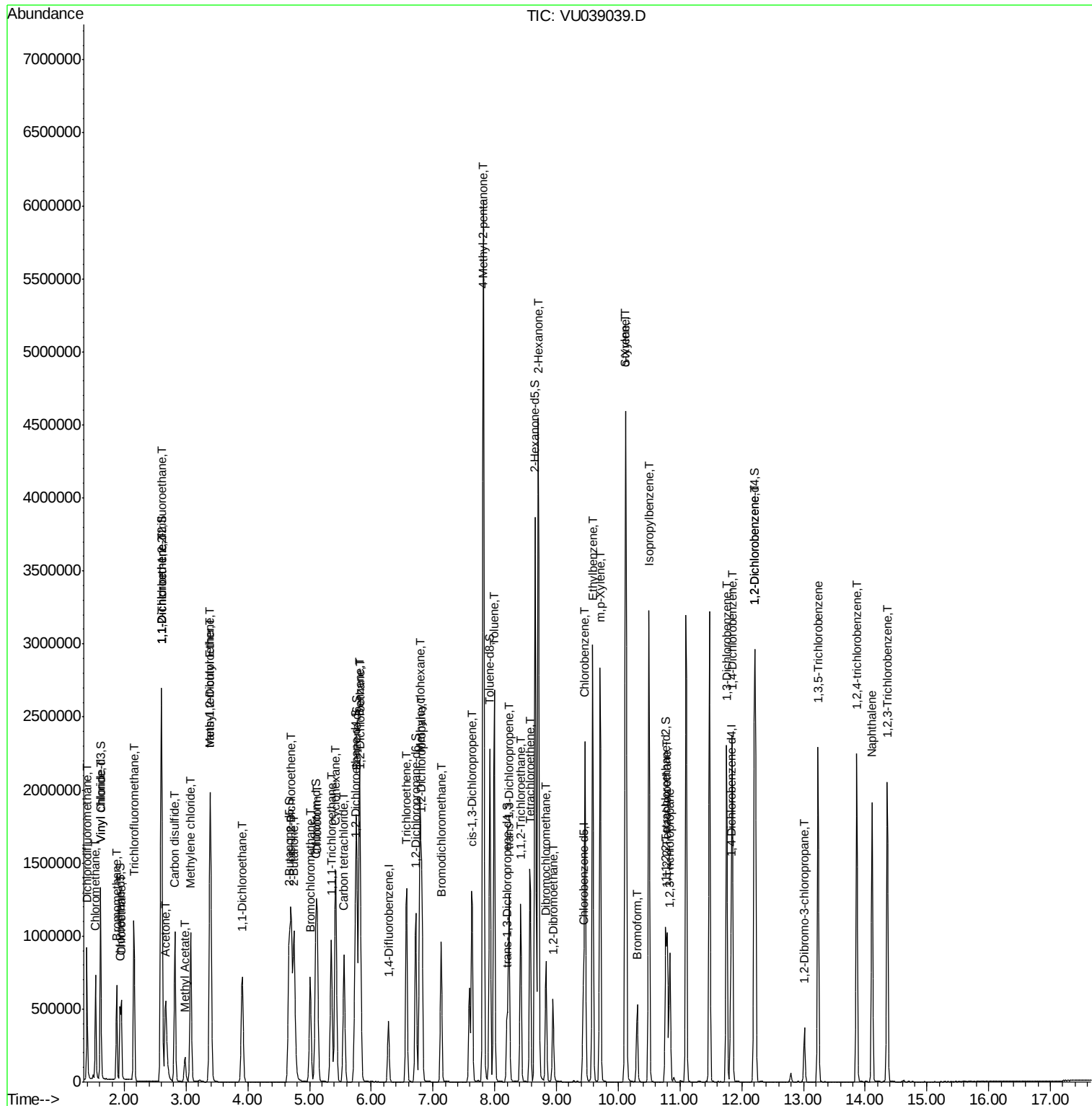
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.99	91	1871201	19.457	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	681738	20.025	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	360348	18.471	ug/L	97
47) Tetrachloroethene	8.57	164	309782	18.340	ug/L	97
48) 2-Hexanone	8.71	43	2879658	200.495	ug/L	99
49) Dibromochloromethane	8.83	129	408196	19.241	ug/L	98
50) 1,2-Dibromoethane	8.94	107	346679	18.795	ug/L	98
51) Chlorobenzene	9.47	112	1143702	18.891	ug/L	99
52) Ethylbenzene	9.59	91	2062227	20.400	ug/L	99
53) m,p-Xylene	9.71	106	771849	20.765	ug/L	100
54) o-Xylene	10.11	106	748691	20.967	ug/L	98
55) Styrene	10.13	104	1333893	21.270	ug/L	99
56) Isopropylbenzene	10.50	105	1968221	21.036	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	491320	18.834	ug/L	100
59) 1,2,3-Trichloropropane	10.84	75	362203	18.302	ug/L	98
61) Bromoform	10.31	173	230878	18.311	ug/L	99
62) 1,3-Dichlorobenzene	11.75	146	868638	18.925	ug/L	100
63) 1,4-Dichlorobenzene	11.85	146	869302	18.389	ug/L	98
65) 1,2-Dichlorobenzene	12.22	146	852140	18.516	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.01	75	93370	18.392	ug/L	95
67) 1,3,5-Trichlorobenzene	13.24	180	644079	18.961	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	611087	19.750	ug/L	99
69) Naphthalene	14.11	128	1430307	21.668	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	566769	18.978	ug/L	99

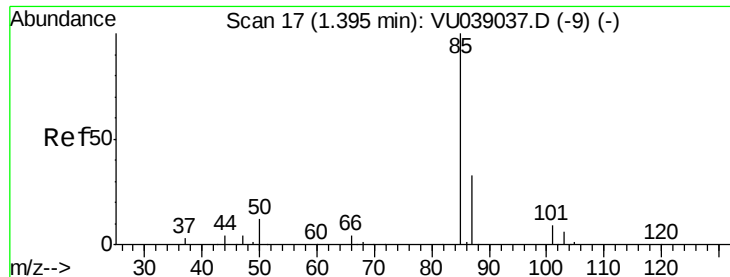
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 17.801 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU039039.D

Acq: 23 Jun 2020 14:28

Instrument :

MSVOA_U

ClientSampleId :

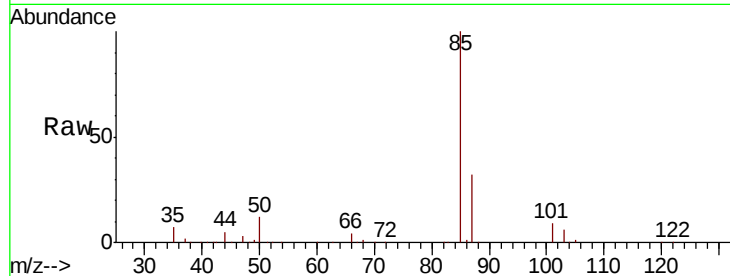
VSTD02005

Tot Ion: 85 Resp: 500854

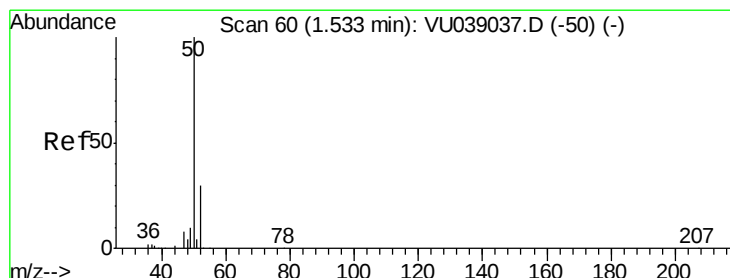
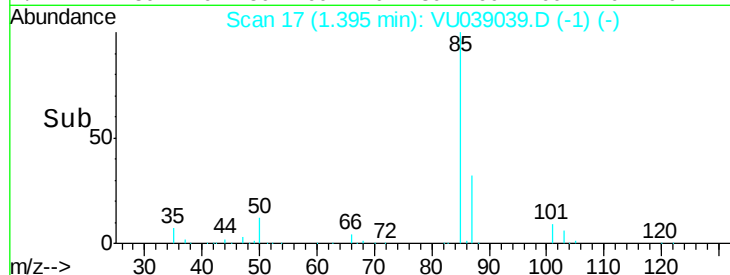
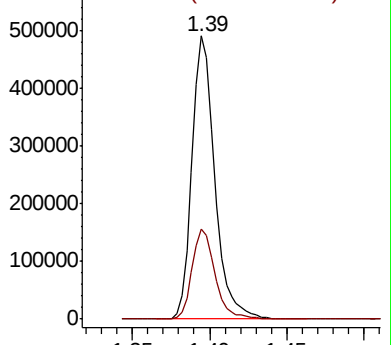
Ion Ratio Lower Upper

85 100

87 32.0 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VU039039.D (-9) (-)



#3

Chloromethane

Concen: 17.661 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU039039.D

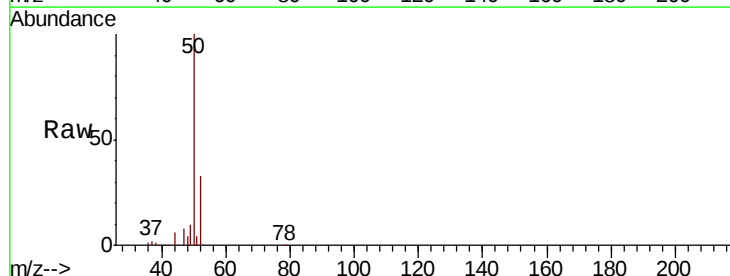
Acq: 23 Jun 2020 14:28

Tgt Ion: 50 Resp: 534831

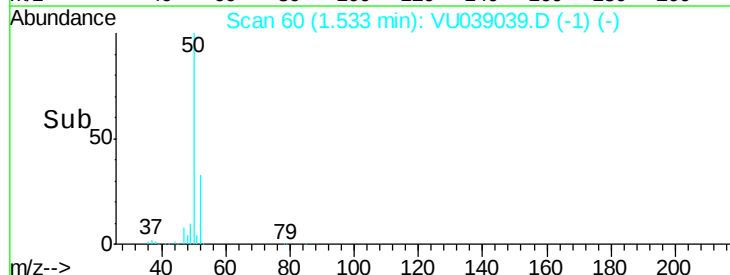
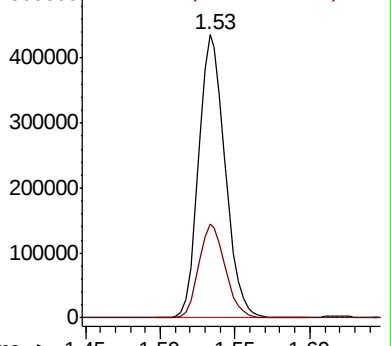
Ion Ratio Lower Upper

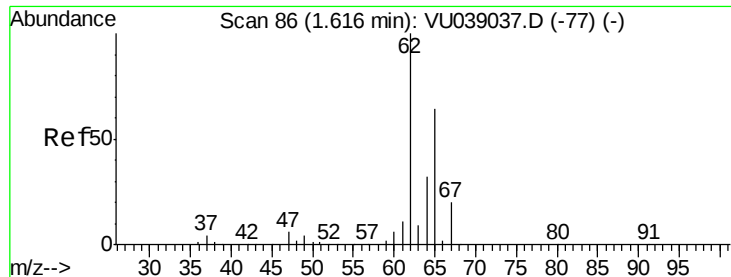
50 100

52 33.0 21.1 39.3



Abundance Ion 50.05 (49.75 to 50.75): VU039039.D (-50) (-)





#5

Vinyl chloride

Concen: 18.141 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU039039.D

Acq: 23 Jun 2020 14:28

Instrument :

MSVOA_U

ClientSampled :

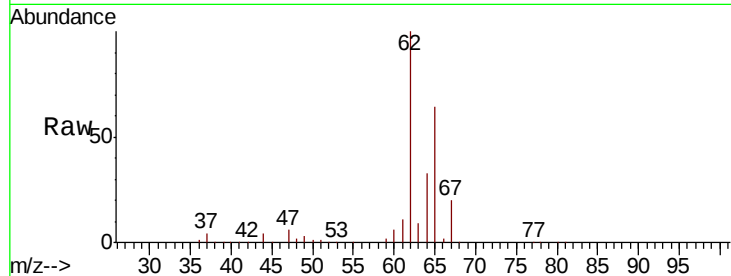
VSTD02005

Tot Ion: 62 Resp: 554036

Ion Ratio Lower Upper

62 100

64 32.7 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VU039039.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU039039.D (-77) (-)

1.62

500000

400000

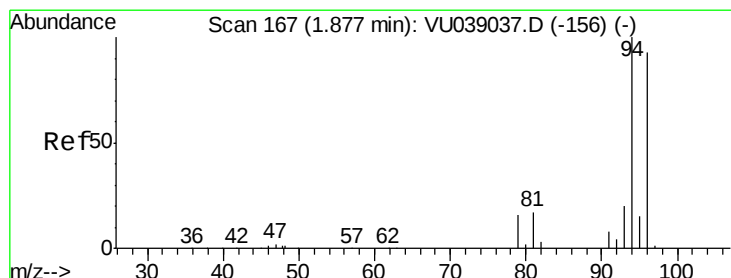
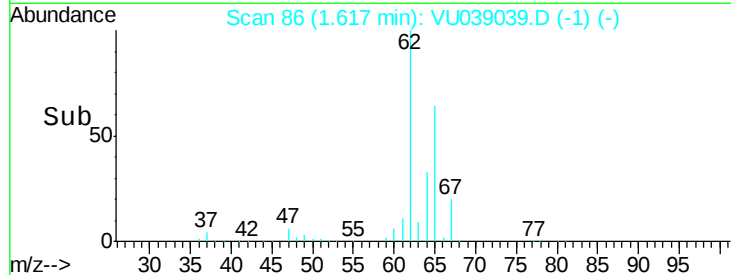
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 17.535 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU039039.D

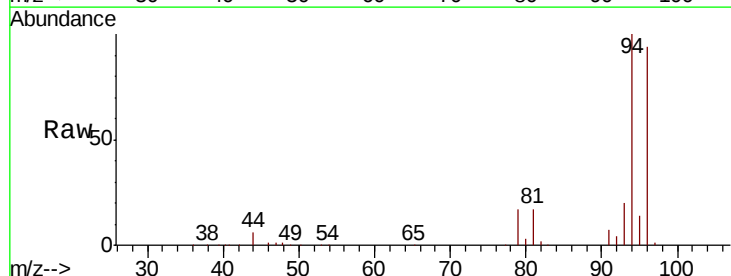
Acq: 23 Jun 2020 14:28

Tgt Ion: 94 Resp: 288326

Ion Ratio Lower Upper

94 100

96 93.6 64.9 120.5



Abundance Ion 94.00 (93.70 to 94.70): VU039039.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU039039.D (-156) (-)

1.87

250000

200000

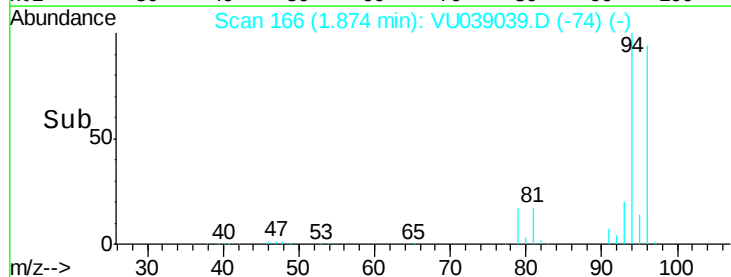
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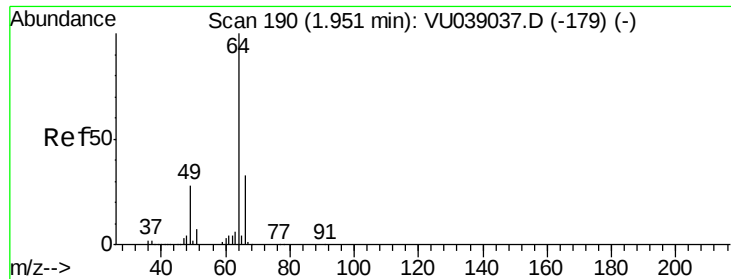
100000

50000

0

Time-->

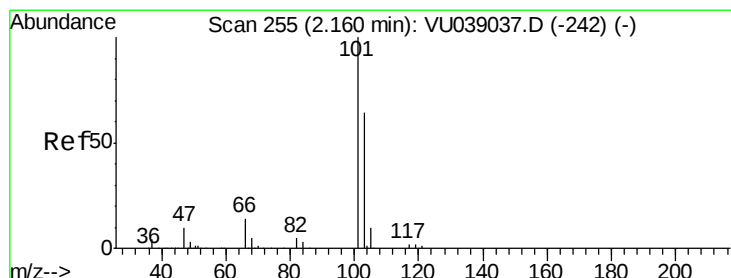
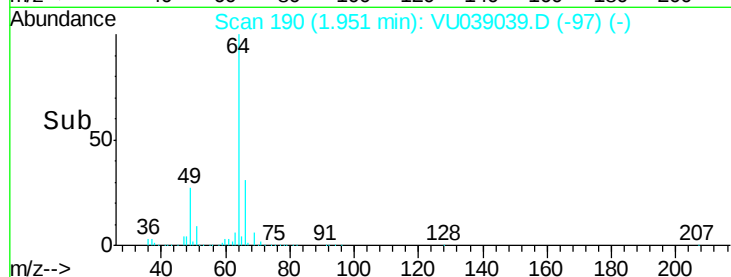
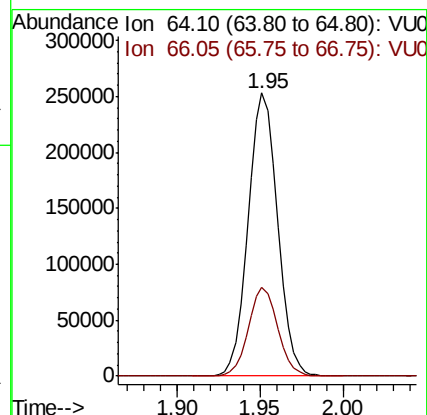
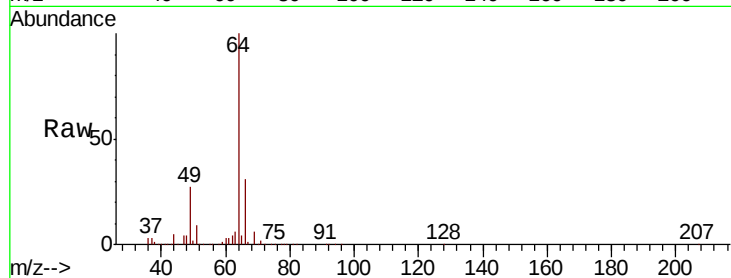




#8
Chloroethane
Concen: 16.923 ug/L
RT: 1.95 min Scan# 190
Delta R.T. 0.00 min
Lab File: VU039039.D
Acq: 23 Jun 2020 14:28

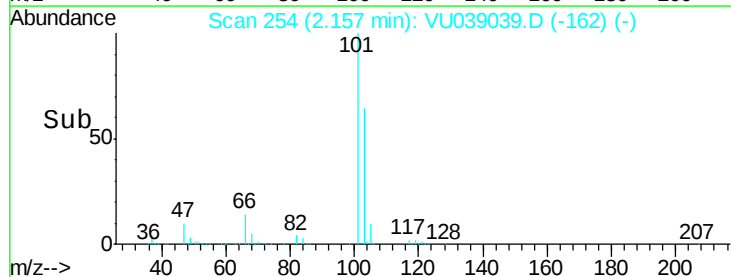
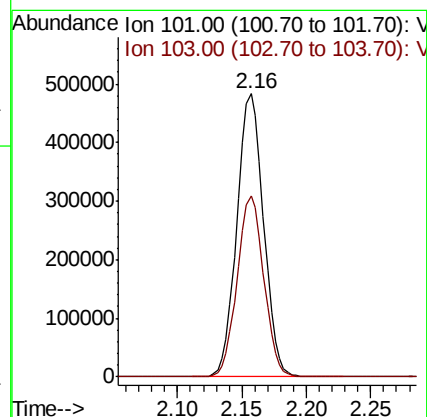
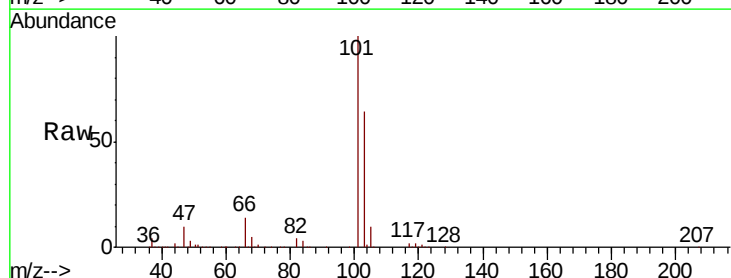
Instrument :
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VSTD02005

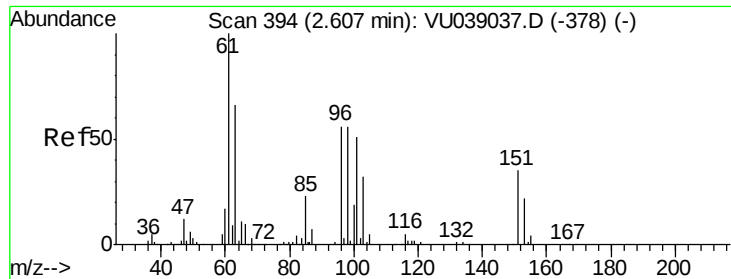
Tot Ion: 64 Resp: 311513
Ion Ratio Lower Upper
64 100
66 31.2 23.4 43.4



#9
Trichlorofluoromethane
Concen: 17.757 ug/L
RT: 2.16 min Scan# 254
Delta R.T. -0.00 min
Lab File: VU039039.D
Acq: 23 Jun 2020 14:28

Tgt Ion: 101 Resp: 694291
Ion Ratio Lower Upper
101 100
103 63.9 51.4 77.0





#10

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

Concen: 17.521 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU039039.D

Acq: 23 Jun 2020 14:28

Instrument :

MSVOA_U

ClientSampled :

VSTD02005

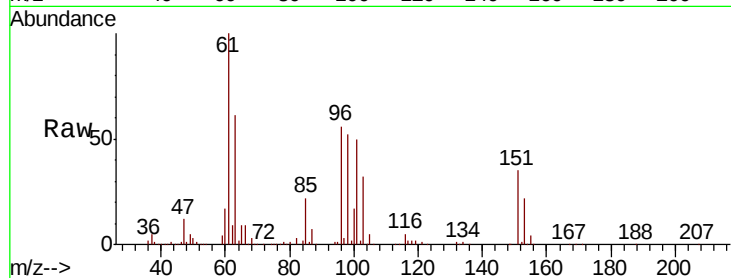
Tot Ion:101 Resp: 398818

Ion Ratio Lower Upper

101 100

85 45.0 36.2 54.4

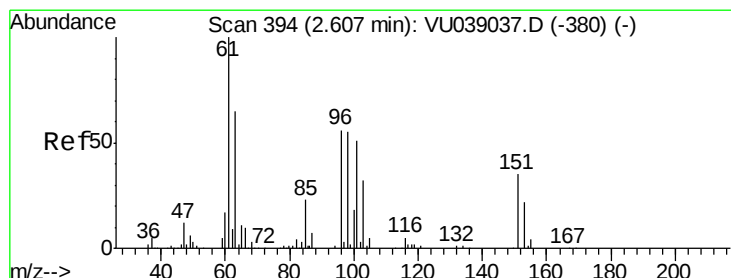
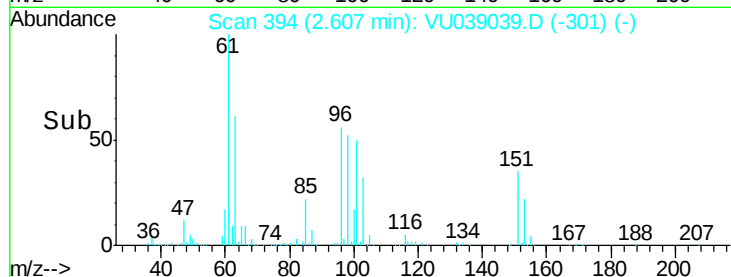
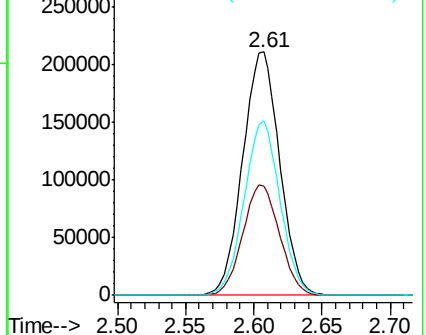
151 69.5 55.0 82.6



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: 18.206 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU039039.D

Acq: 23 Jun 2020 14:28

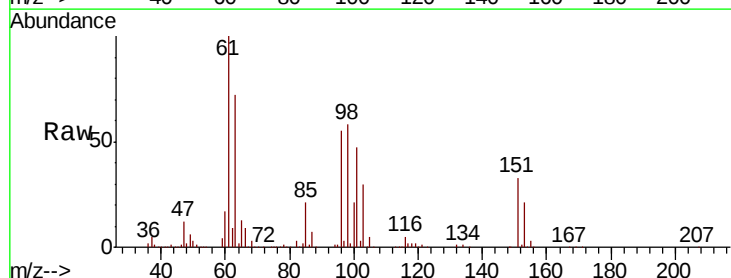
Tgt Ion: 96 Resp: 396411

Ion Ratio Lower Upper

96 100

61 183.4 125.1 232.3

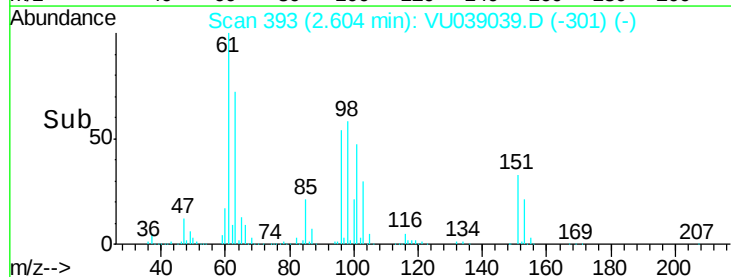
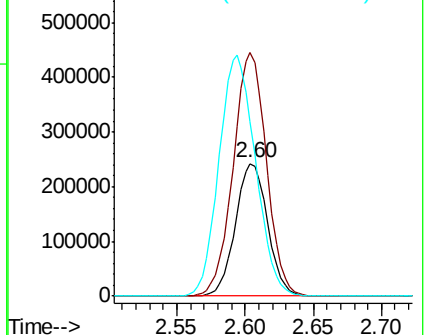
63 131.5 82.3 152.8

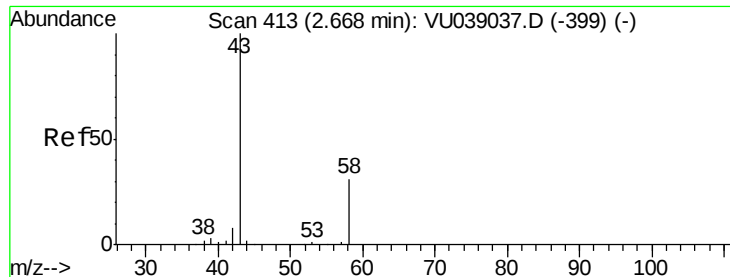


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 165.881 ug/L

RT: 2.67 min Scan# 413

Delta R.T. 0.00 min

Lab File: VU039039.D

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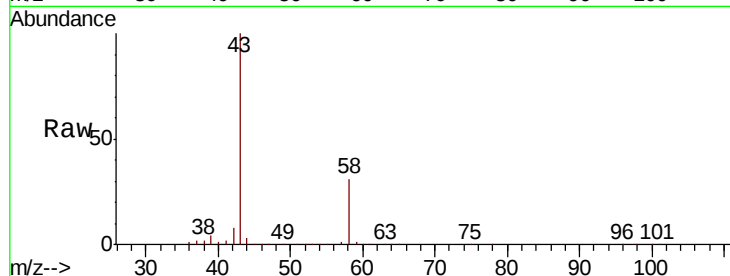
VSTD02005

Tot Ion: 43 Resp: 935990

Ion Ratio Lower Upper

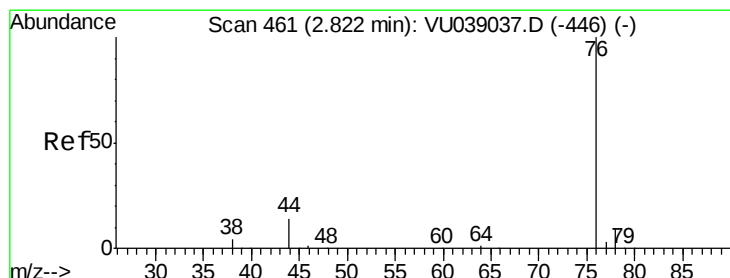
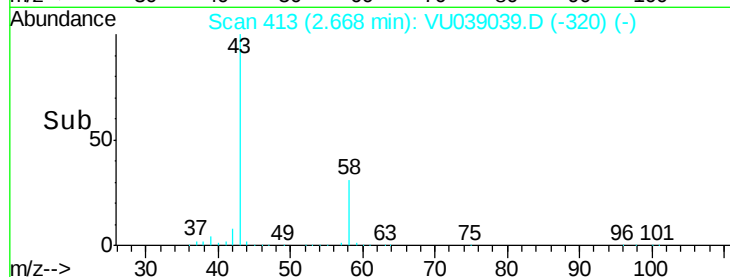
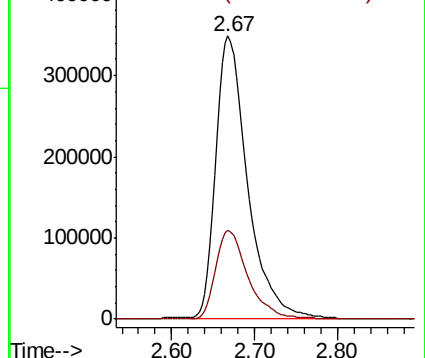
43 100

58 31.8 0.0 64.4



Abundance Ion 43.05 (42.75 to 43.75): VU039039.D (-320) (-)

Ion 58.05 (57.75 to 58.75): VU039039.D (-320) (-)



#14

Carbon disulfide

Concen: 17.897 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU039039.D

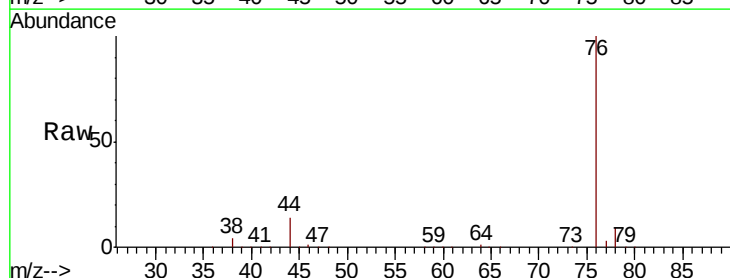
Acq: 23 Jun 2020 14:28

Tgt Ion: 76 Resp: 1299348

Ion Ratio Lower Upper

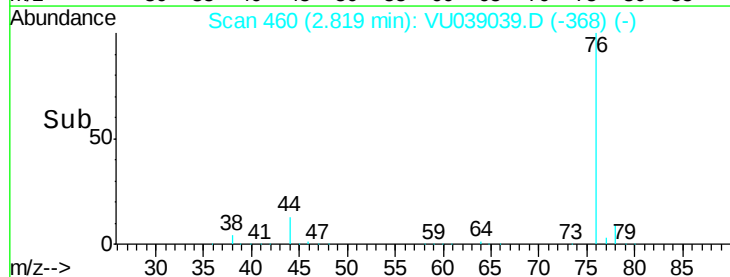
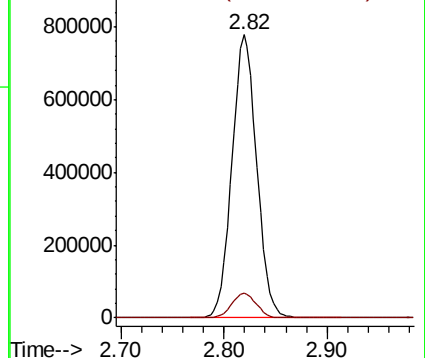
76 100

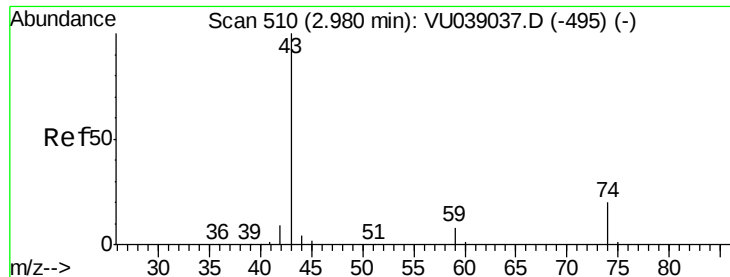
78 8.8 7.0 10.6



Abundance Ion 76.05 (75.75 to 76.75): VU039039.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VU039039.D (-368) (-)

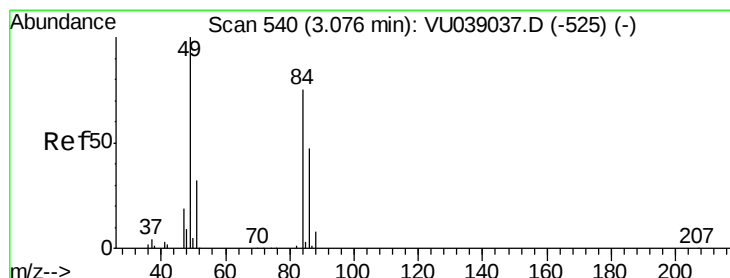
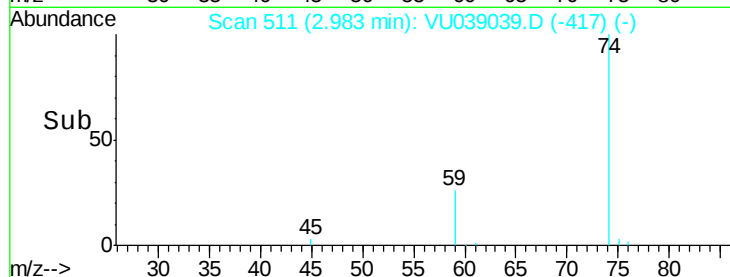
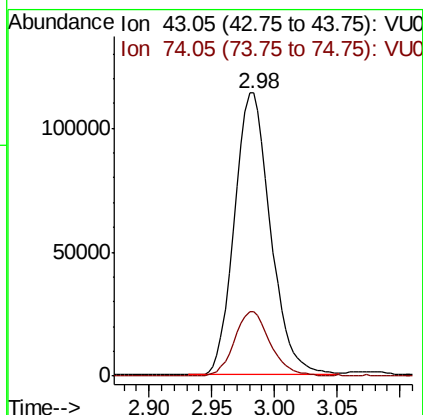
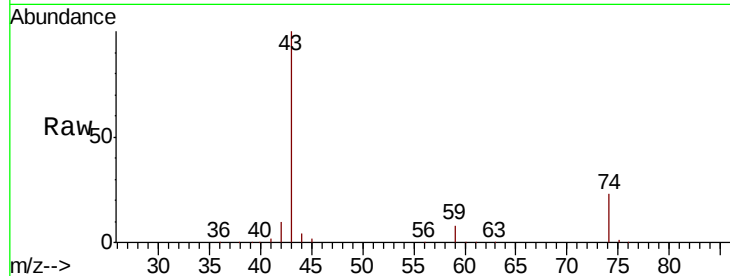




#15
Methvl Acetate
Concen: 17.001 ug/L
RT: 2.98 min Scan# 511
Delta R.T. 0.00 min
Lab File: VU039039.D
Acq: 23 Jun 2020 14:28

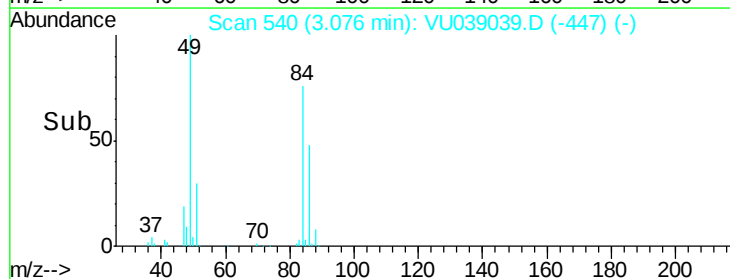
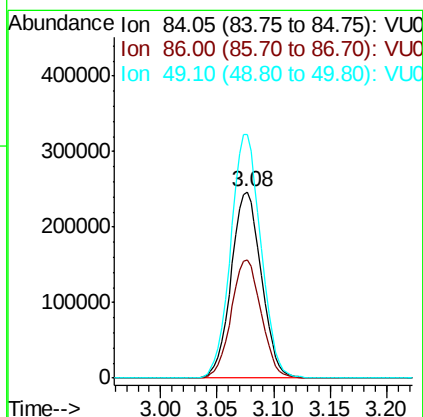
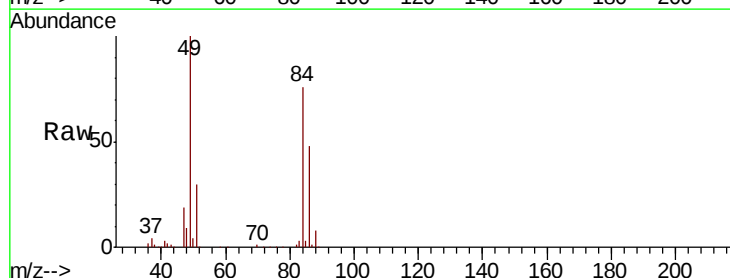
Instrument :
MSVOA_U
ClientSampleId :
VSTD02005

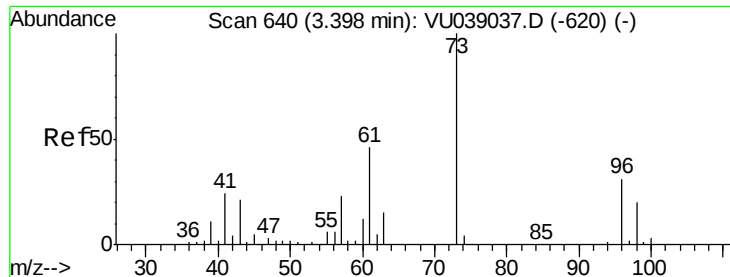
Tot Ion: 43 Resp: 227800
Ion Ratio Lower Upper
43 100
74 22.9 17.0 25.4



#16
Methylene chloride
Concen: 17.082 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU039039.D
Acq: 23 Jun 2020 14:28

Tgt Ion: 84 Resp: 458913
Ion Ratio Lower Upper
84 100
86 63.3 44.1 81.9
49 130.8 93.1 172.9

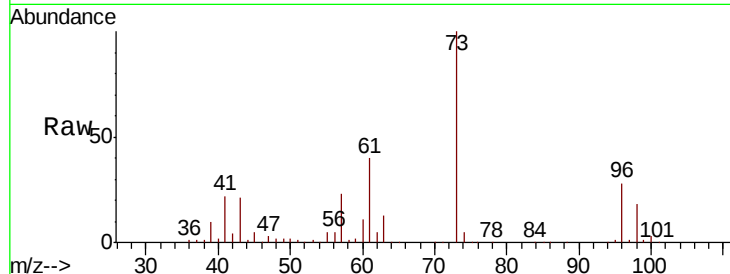




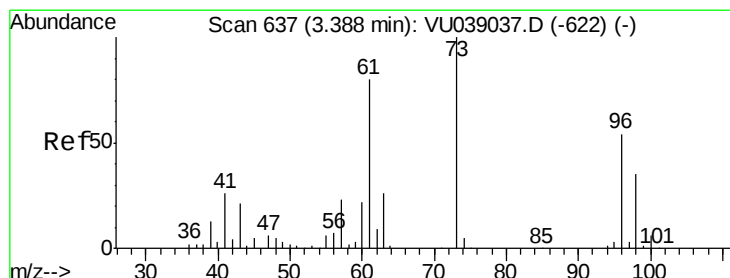
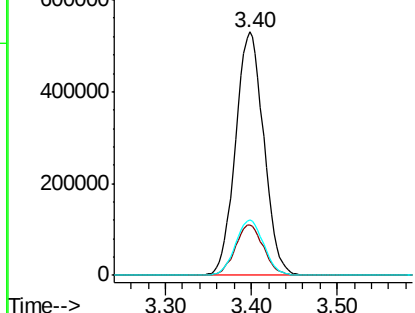
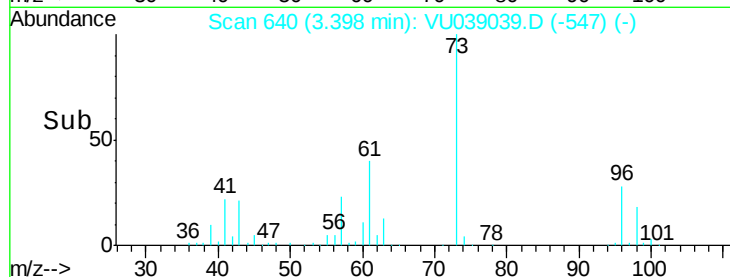
#17
Methvl tert-butvl Ether
Concen: 19.482 ug/L
RT: 3.40 min Scan# 640
Delta R.T. 0.00 min
Lab File: VU039039.D
Acq: 23 Jun 2020 14:28

Instrument :
MSVOA_U
ClientSampleId :
VSTD02005

Tot Ion: 73 Resp: 1207686
Ion Ratio Lower Upper
73 100
43 20.6 16.6 24.8
57 22.8 18.2 27.4

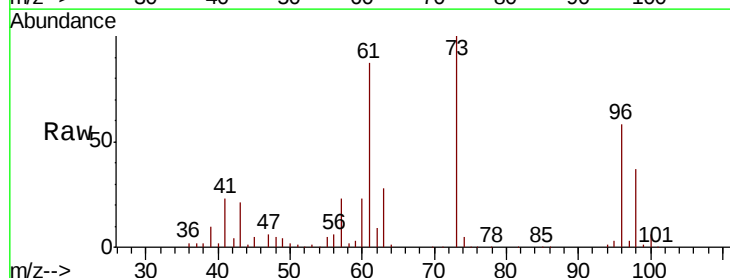


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

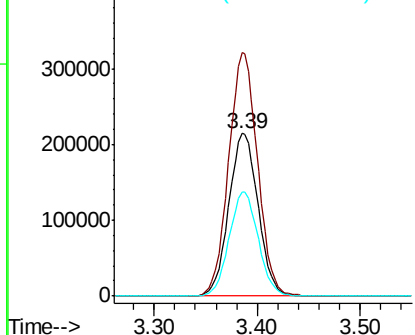
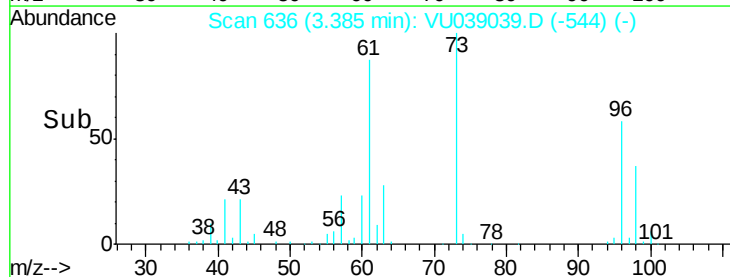


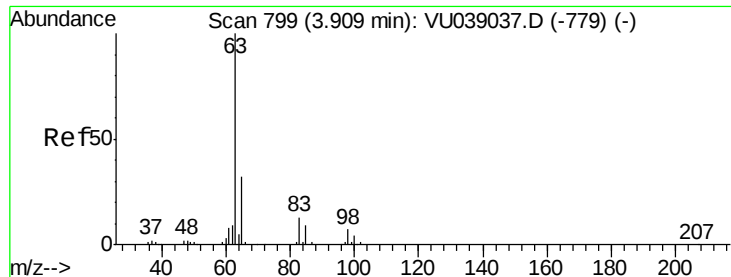
#18
trans-1,2-Dichloroethene
Concen: 18.220 ug/L
RT: 3.39 min Scan# 636
Delta R.T. -0.00 min
Lab File: VU039039.D
Acq: 23 Jun 2020 14:28

Tgt Ion: 96 Resp: 424518
Ion Ratio Lower Upper
96 100
61 149.5 103.5 192.3
98 63.9 44.9 83.5



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

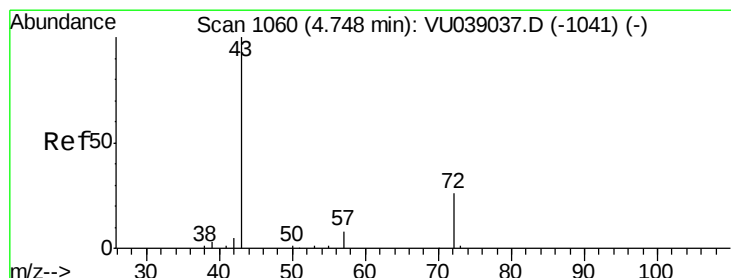
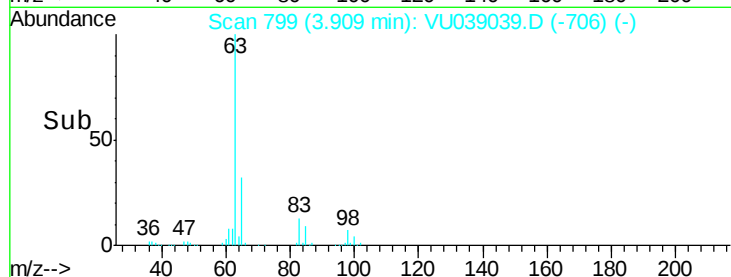
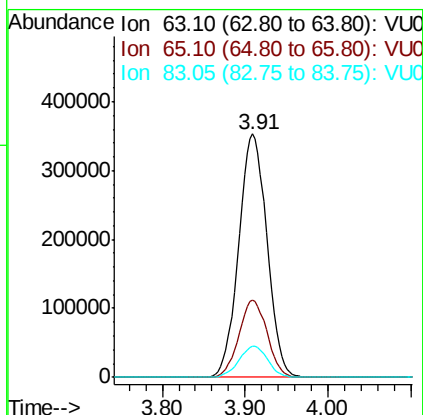
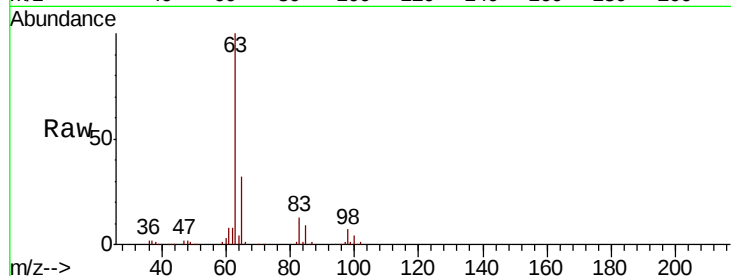




#19
 1,1-Dichloroethane
 Concen: 18.062 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. 0.00 min
 Lab File: VU039039.D
 Acq: 23 Jun 2020 14:28

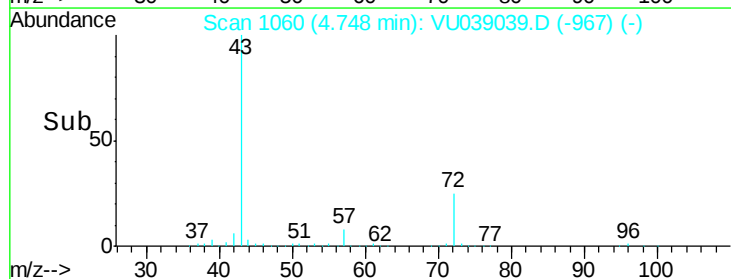
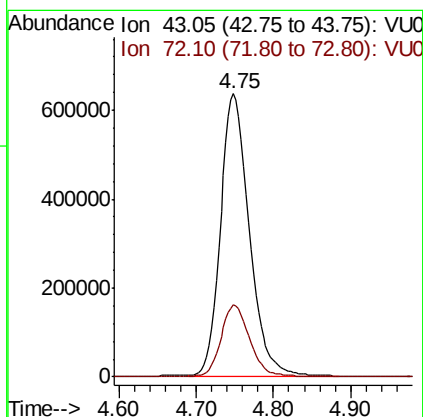
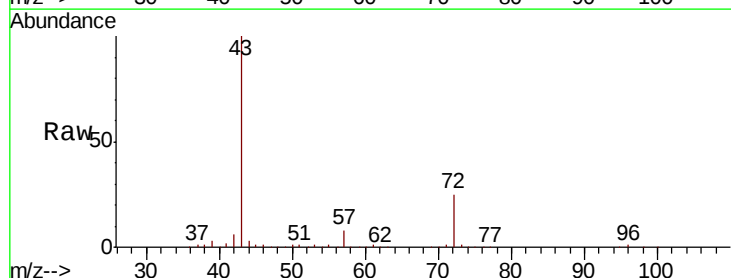
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02005

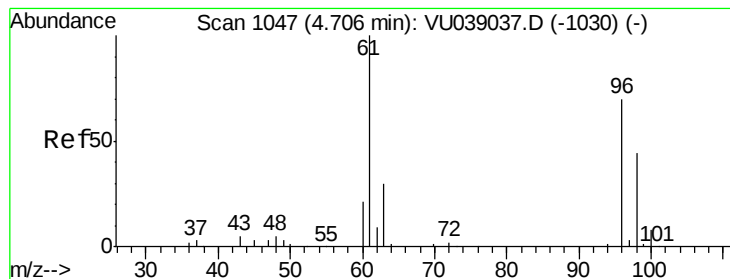
Tot Ion: 63 Resp: 836592
 Ion Ratio Lower Upper
 63 100
 65 31.9 22.1 41.1
 83 12.9 9.3 17.3



#21
 2-Butanone
 Concen: 191.144 ug/L
 RT: 4.75 min Scan# 1060
 Delta R.T. 0.00 min
 Lab File: VU039039.D
 Acq: 23 Jun 2020 14:28

Tgt Ion: 43 Resp: 1639786
 Ion Ratio Lower Upper
 43 100
 72 25.9 13.1 39.3





#22

cis-1,2-Dichloroethene

Concen: 18.686 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU039039.D

Acq: 23 Jun 2020 14:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD02005

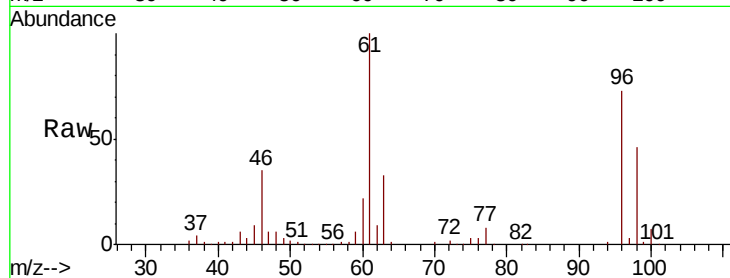
Tot Ion: 96 Resp: 469826

Ion Ratio Lower Upper

96 100

61 137.5 100.8 187.2

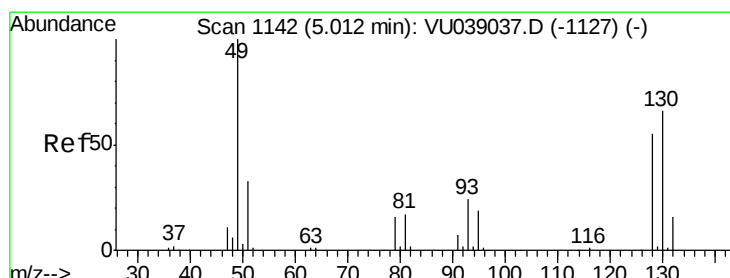
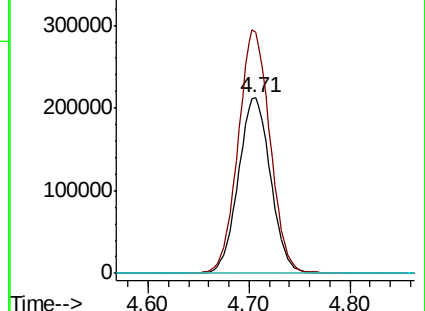
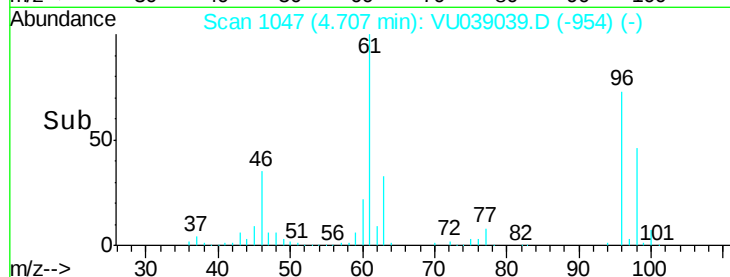
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039039.D (-954) (-)

Ion 61.05 (60.75 to 61.75): VU039039.D (-954) (-)

Ion 68.15 (67.85 to 68.85): VU039039.D (-954) (-)



#23

Bromochloromethane

Concen: 17.985 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU039039.D

Acq: 23 Jun 2020 14:28

Tgt Ion: 128 Resp: 208108

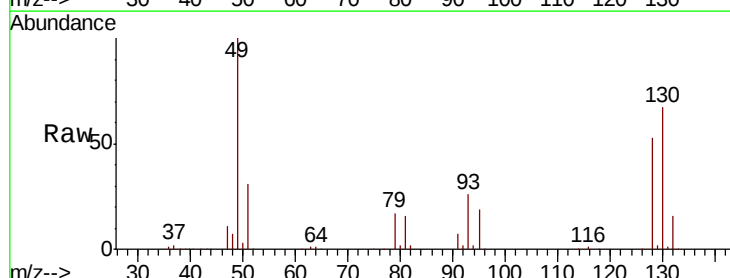
Ion Ratio Lower Upper

128 100

49 188.1 127.3 236.5

130 125.7 84.4 156.7

51 59.1 47.5 71.3

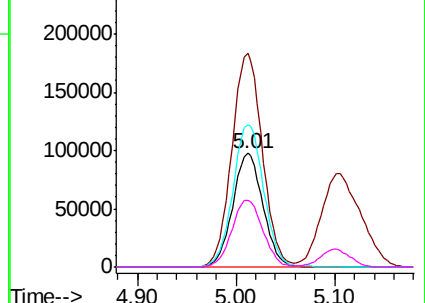
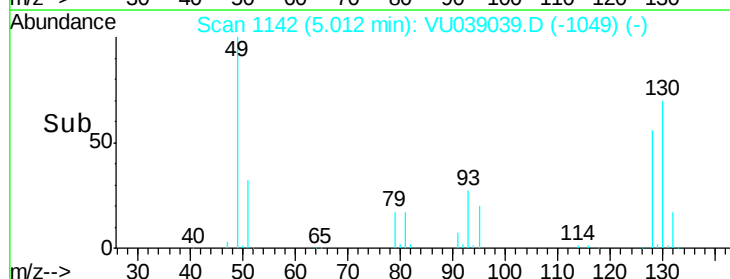


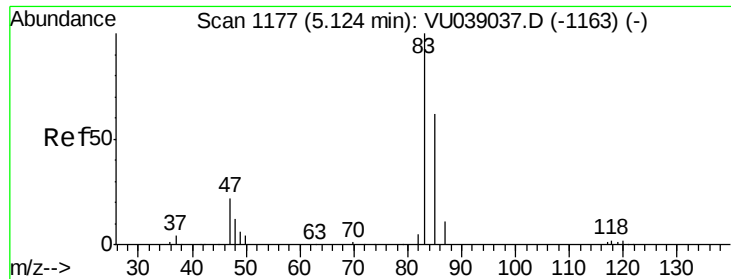
Abundance Ion 127.90 (127.60 to 128.60): VU039039.D (-1049) (-)

Ion 49.10 (48.80 to 49.80): VU039039.D (-1049) (-)

Ion 129.95 (129.65 to 130.65): VU039039.D (-1049) (-)

Ion 51.05 (50.75 to 51.75): VU039039.D (-1049) (-)

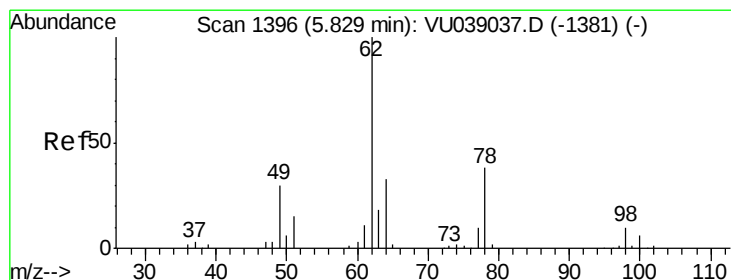
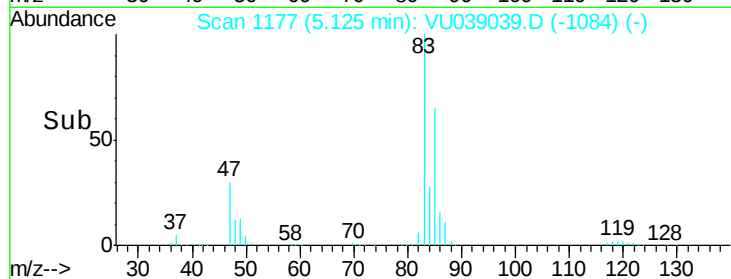
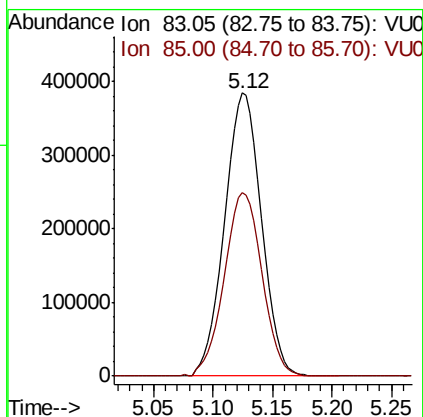
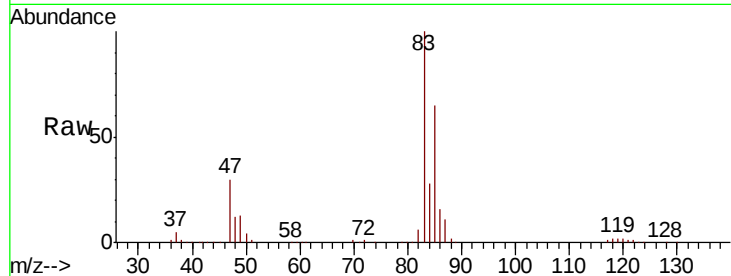




#25
Chloroform
Concen: 17.755 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VU039039.D
Acq: 23 Jun 2020 14:28

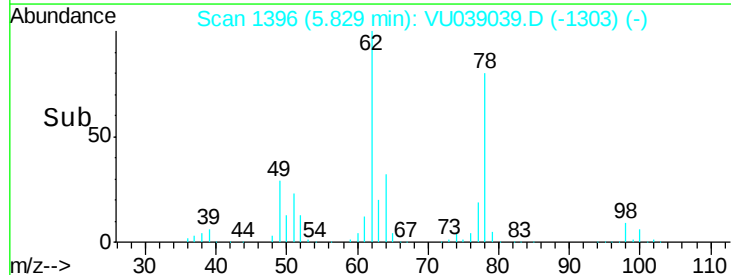
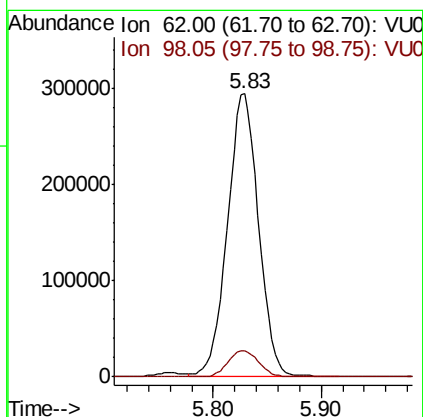
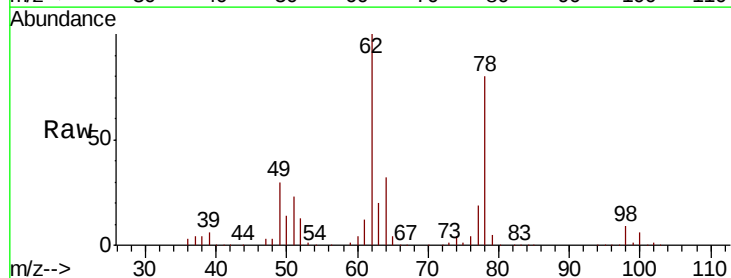
Instrument :
MSVOA_U
ClientSampleId :
VSTD02005

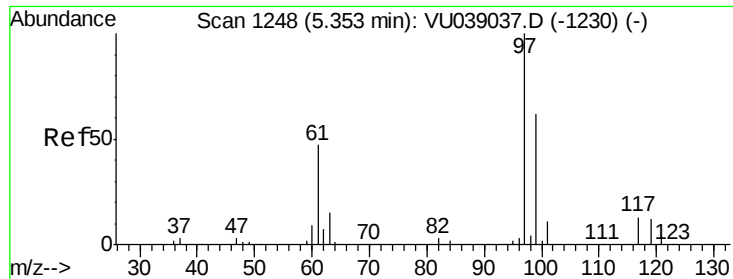
Tot Ion: 83 Resp: 826189
Ion Ratio Lower Upper
83 100
85 65.1 43.8 81.4



#27
1,2-Dichloroethane
Concen: 17.791 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU039039.D
Acq: 23 Jun 2020 14:28

Tgt Ion: 62 Resp: 589930
Ion Ratio Lower Upper
62 100
98 9.4 7.7 11.5

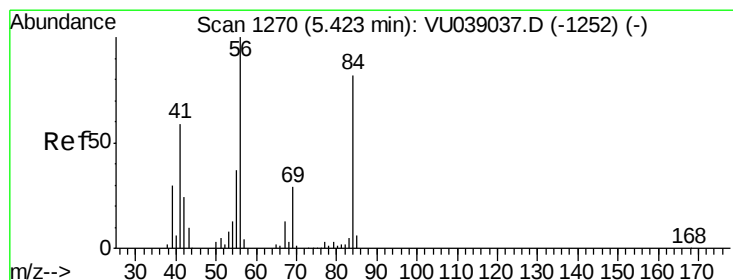
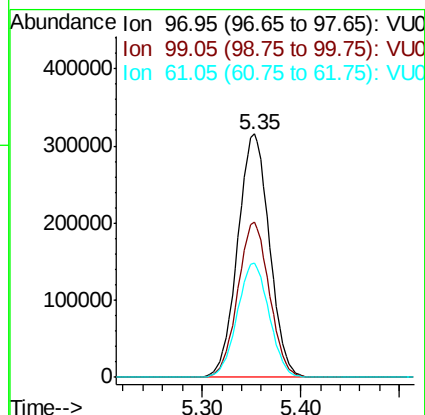
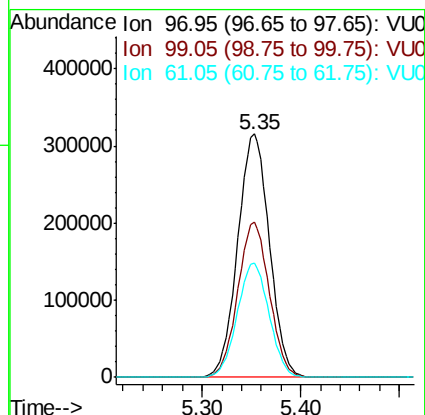
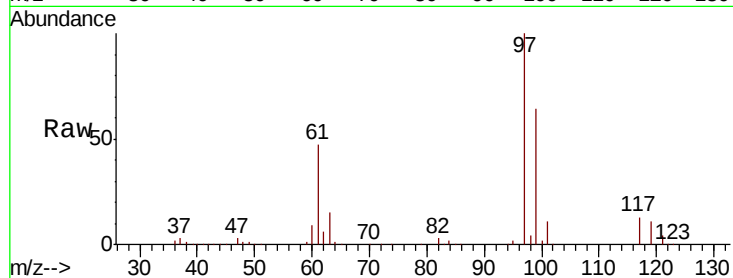




#29
1,1,1-Trichloroethane
Concen: 18.258 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VU039039.D
Acq: 23 Jun 2020 14:28

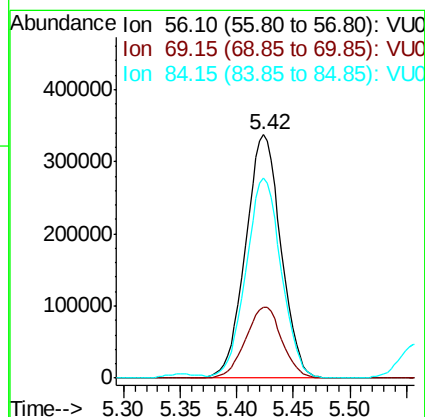
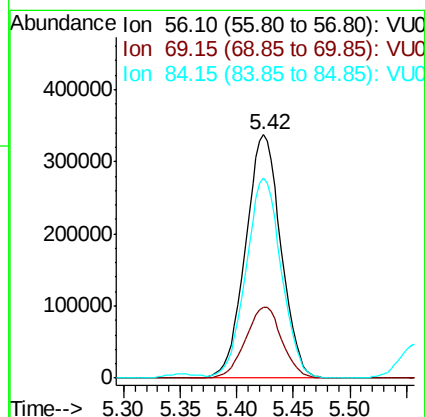
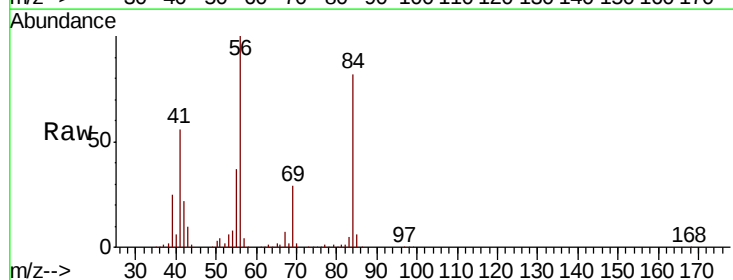
Instrument :
MSVOA_U
ClientSampleId :
VSTD02005

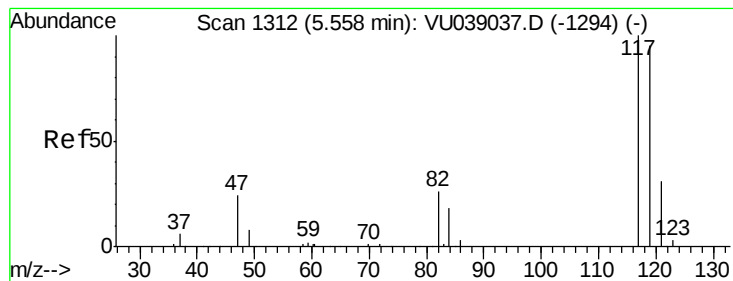
Tot Ion: 97 Resp: 702662
Ion Ratio Lower Upper
97 100
99 63.5 50.3 75.5
61 47.2 37.8 56.6



#30
Cyclohexane
Concen: 20.470 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VU039039.D
Acq: 23 Jun 2020 14:28

Tgt Ion: 56 Resp: 732961
Ion Ratio Lower Upper
56 100
69 29.9 23.3 34.9
84 82.2 67.1 100.7





#31

Carbon tetrachloride

Concen: 18.189 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU039039.D

Acq: 23 Jun 2020 14:28

Instrument :

MSVOA_U

ClientSampleId :

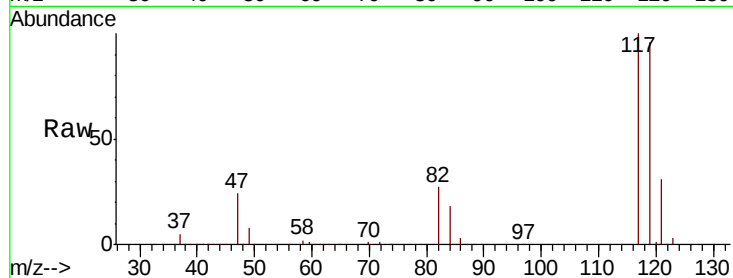
VSTD02005

Tot Ion:117 Resp: 582893

Ion Ratio Lower Upper

117 100

119 95.0 75.7 113.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.56

300000

250000

200000

150000

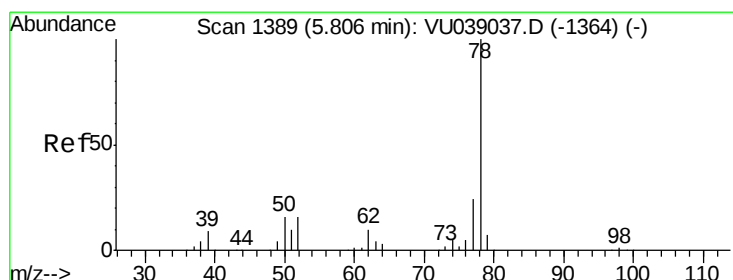
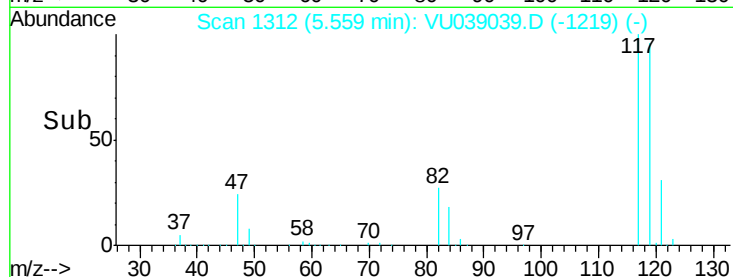
100000

50000

0

Time-->

5.50 5.55 5.60



#33

Benzene

Concen: 18.667 ug/L

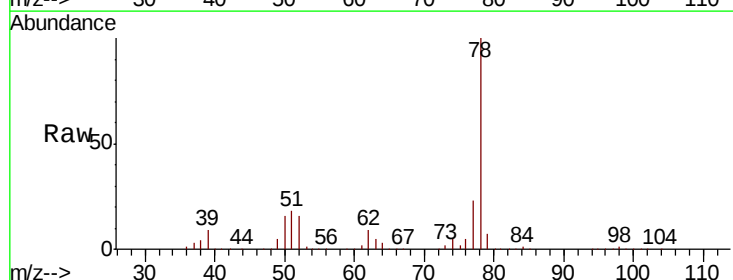
RT: 5.81 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VU039039.D

Acq: 23 Jun 2020 14:28

Tgt Ion: 78 Resp: 1808621



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.81

1000000

800000

600000

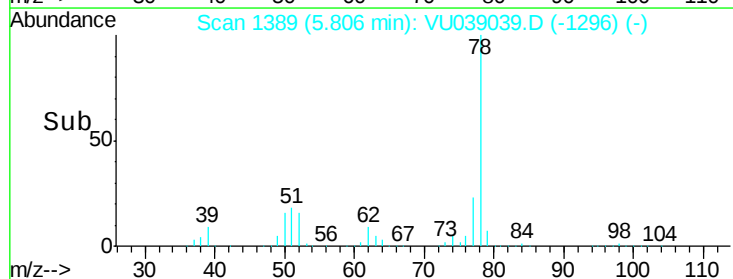
400000

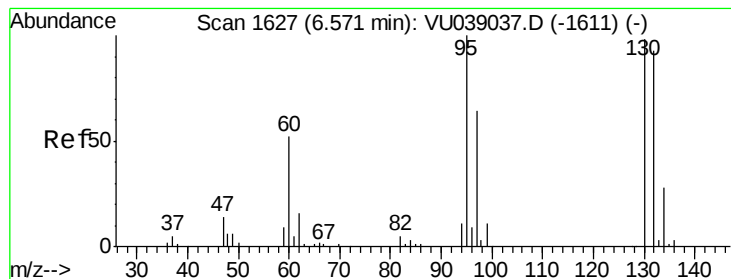
200000

0

Time-->

5.70 5.80 5.90





#34

Trichloroethene

Concen: 18.788 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VU039039.D

Acq: 23 Jun 2020 14:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD02005

Tot Ion: 95 Resp: 440306

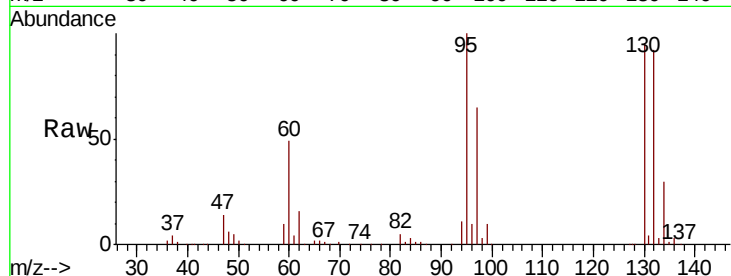
Ion Ratio Lower Upper

95 100

97 64.6 45.1 83.7

132 92.1 65.1 120.9

130 95.4 68.6 127.4

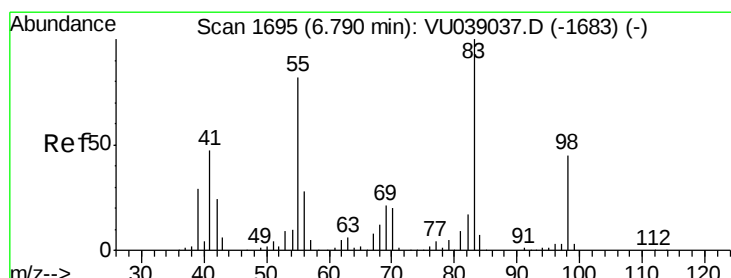
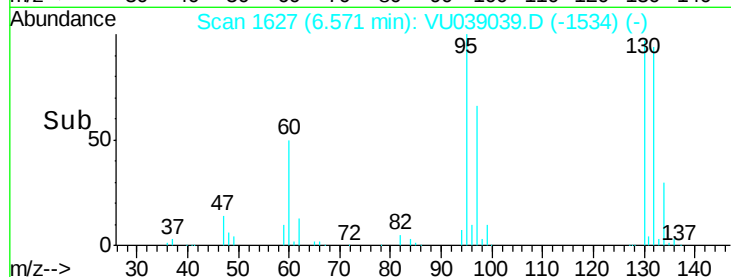
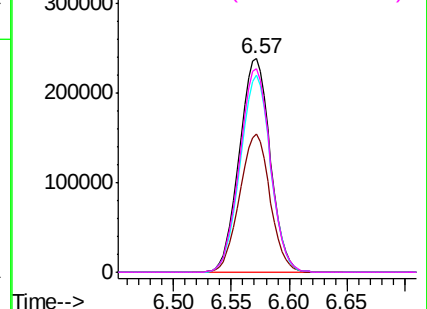


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 20.854 ug/L

RT: 6.79 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU039039.D

Acq: 23 Jun 2020 14:28

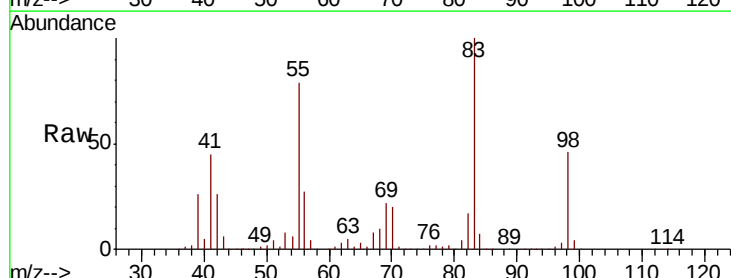
Tgt Ion: 83 Resp: 725205

Ion Ratio Lower Upper

83 100

55 79.9 65.5 98.3

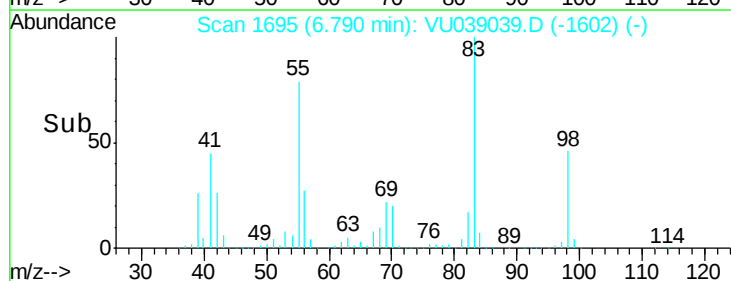
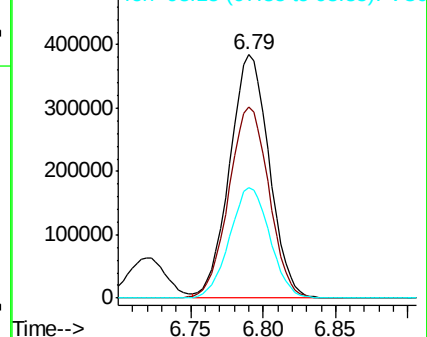
98 46.3 36.5 54.7

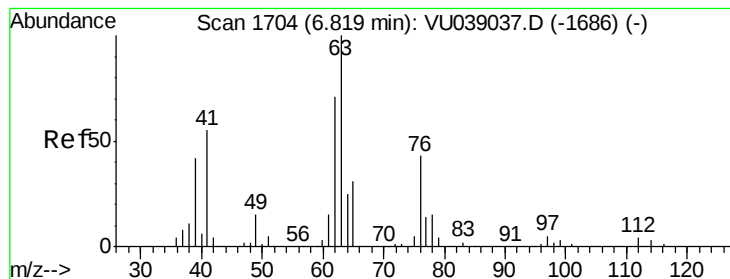


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 18.608 ug/L

RT: 6.82 min Scan# 1704

Delta R.T. 0.00 min

Lab File: VU039039.D

Acq: 23 Jun 2020 14:28

Instrument :

MSVOA_U

ClientSampleId :

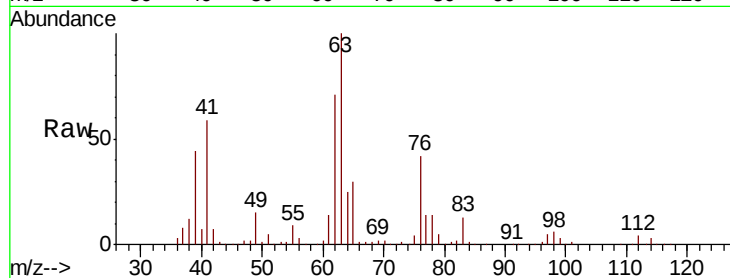
VSTD02005

Tot Ion: 63 Resp: 488440

Ion Ratio Lower Upper

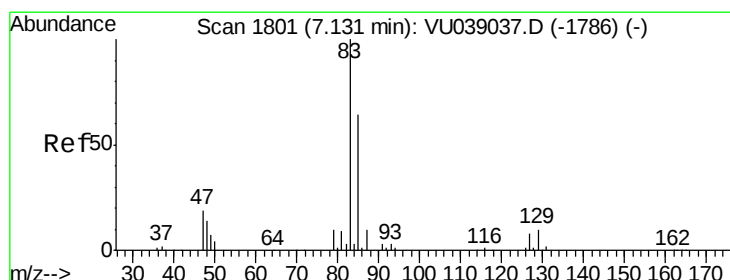
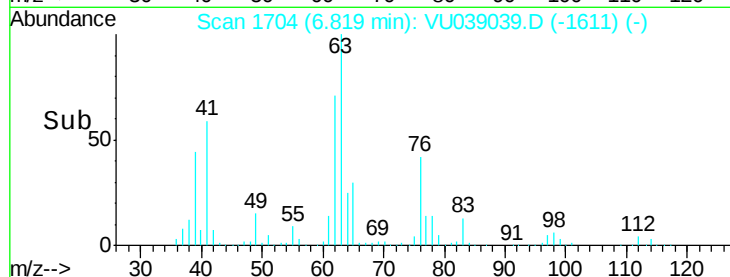
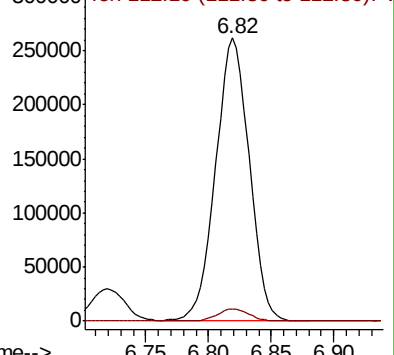
63 100

112 4.1 3.4 5.2



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V



#38

Bromodichloromethane

Concen: 18.670 ug/L

RT: 7.13 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VU039039.D

Acq: 23 Jun 2020 14:28

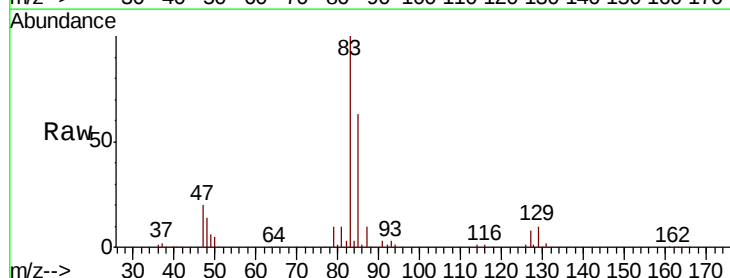
Tgt Ion: 83 Resp: 610988

Ion Ratio Lower Upper

83 100

85 62.9 44.9 83.3

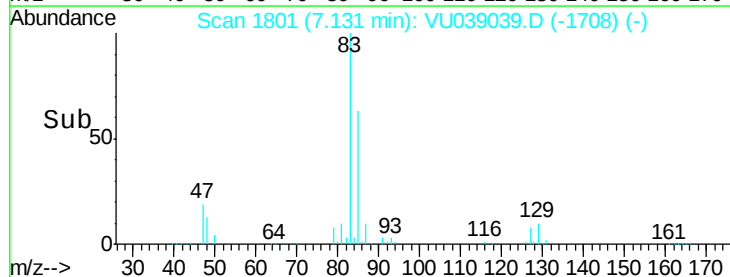
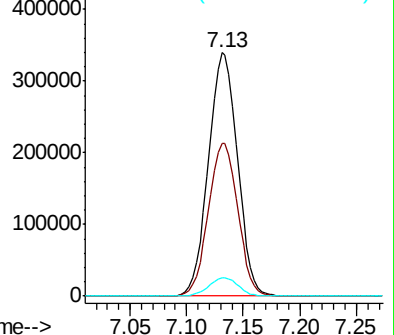
127 7.7 6.3 9.5

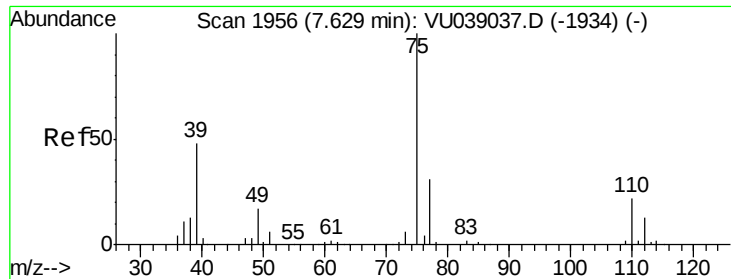


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 126.90 (126.60 to 127.60): V

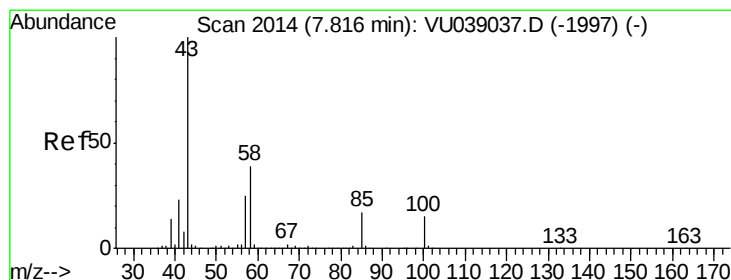
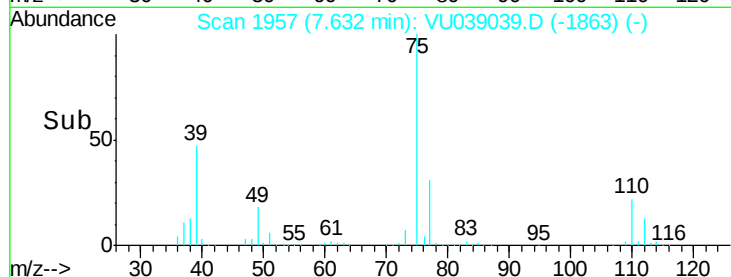
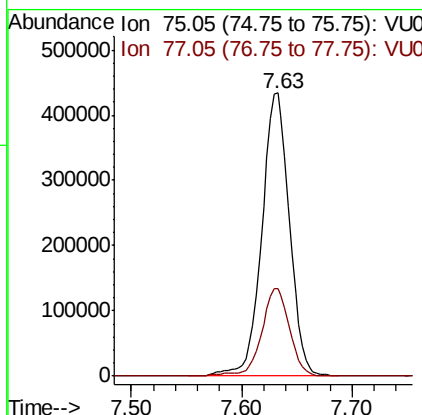
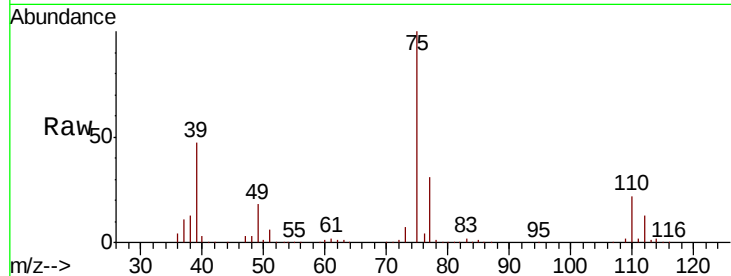




#39
 cis-1,3-Dichloropropene
 Concen: 20.693 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU039039.D
 Acq: 23 Jun 2020 14:28

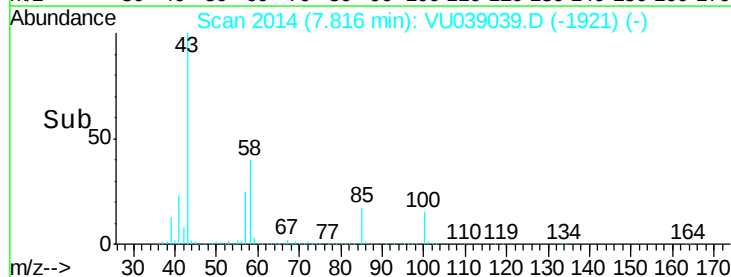
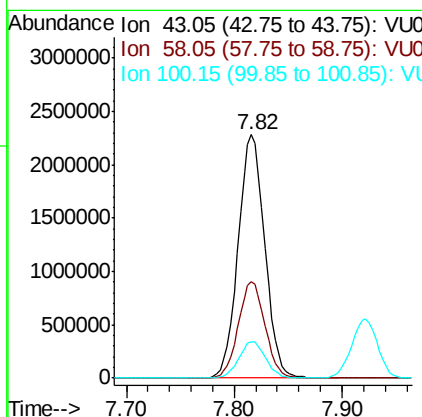
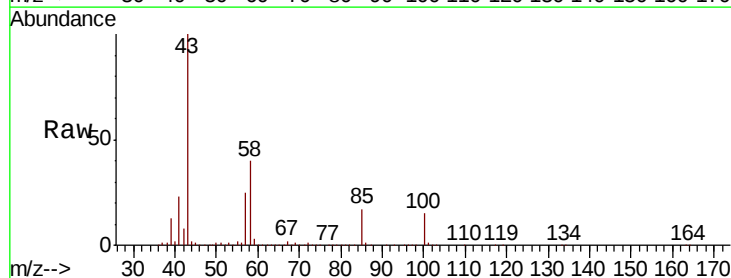
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02005

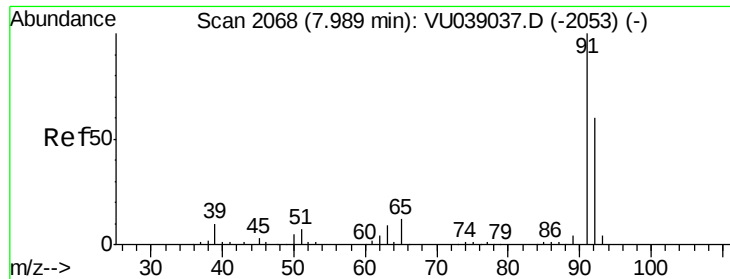
Tot Ion: 75 Resp: 752875
 Ion Ratio Lower Upper
 75 100
 77 30.8 21.6 40.0



#40
 4-Methyl-2-pentanone
 Concen: 200.244 ug/L
 RT: 7.82 min Scan# 2014
 Delta R.T. 0.00 min
 Lab File: VU039039.D
 Acq: 23 Jun 2020 14:28

Tgt Ion: 43 Resp: 3923143
 Ion Ratio Lower Upper
 43 100
 58 39.7 31.3 46.9
 100 15.0 11.6 17.4





#42

Toluene

Concen: 19.457 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU039039.D

Acq: 23 Jun 2020 14:28

Instrument :

MSVOA_U

ClientSampleId :

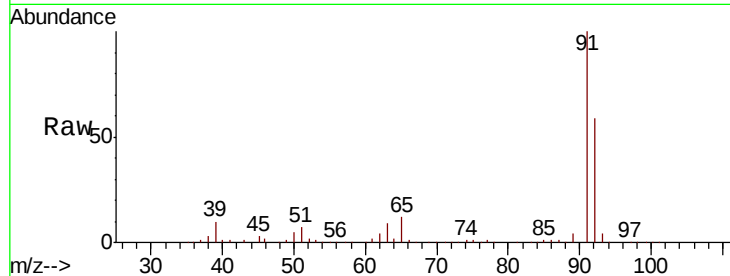
VSTD02005

Tot Ion: 91 Resp: 1871201

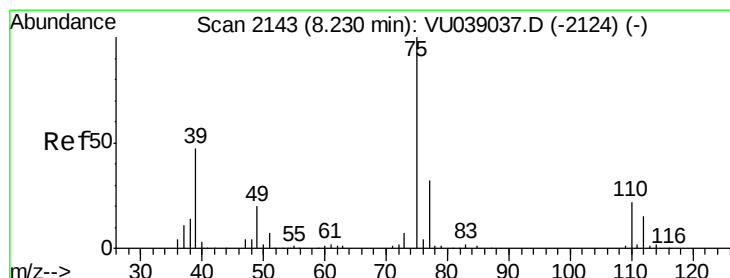
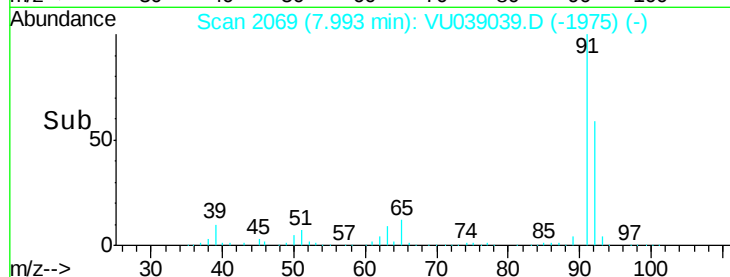
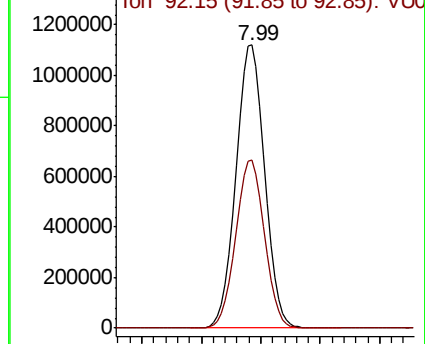
Ion Ratio Lower Upper

91 100

92 59.2 42.1 78.1



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



#44

trans-1,3-Dichloropropene

Concen: 20.025 ug/L

RT: 8.23 min Scan# 2143

Delta R.T. 0.00 min

Lab File: VU039039.D

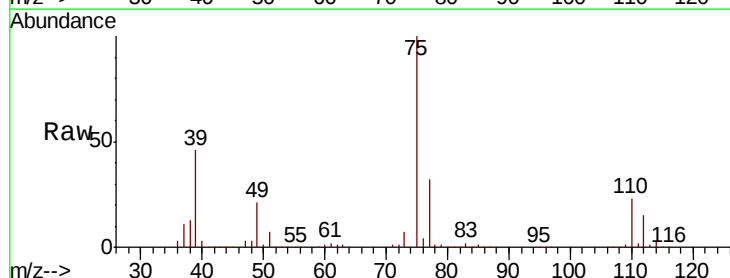
Acq: 23 Jun 2020 14:28

Tgt Ion: 75 Resp: 681738

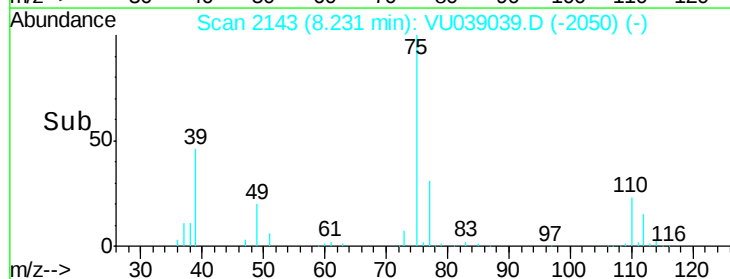
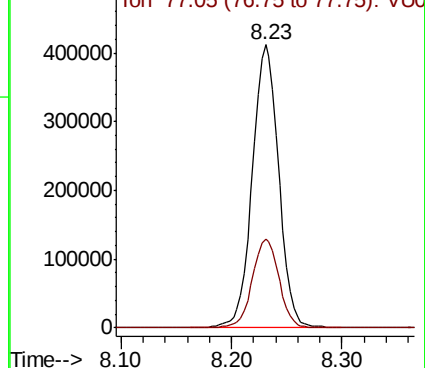
Ion Ratio Lower Upper

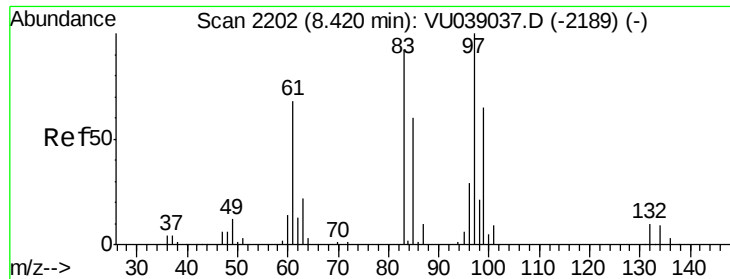
75 100

77 31.6 22.6 42.0



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

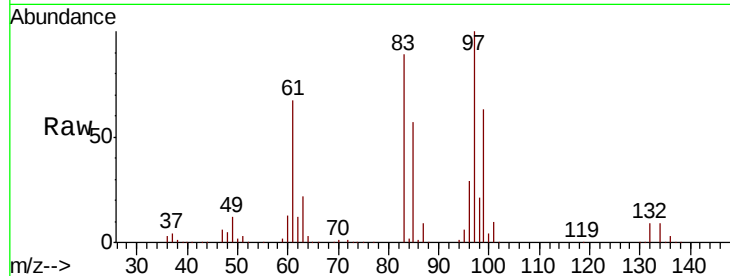




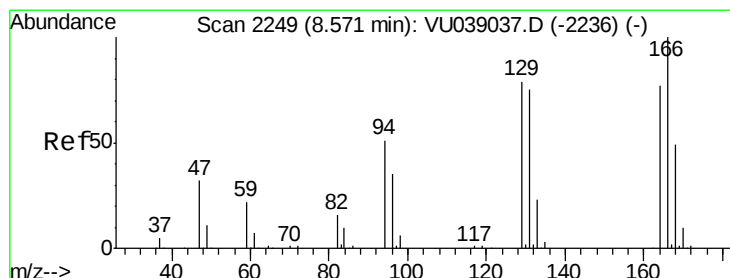
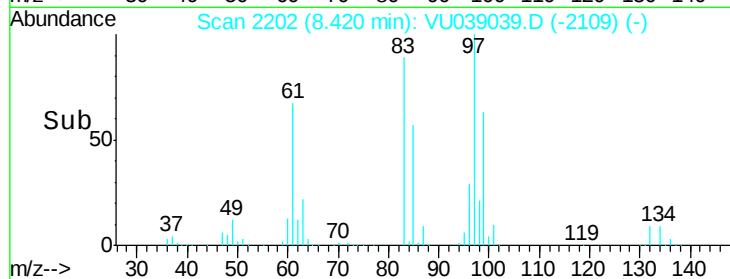
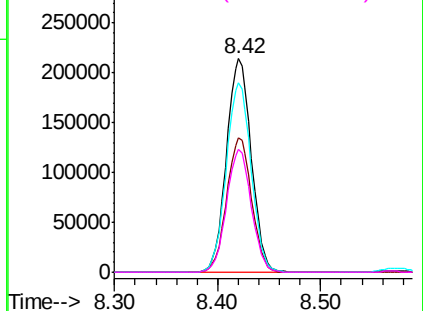
#45
 1,1,2-Trichloroethane
 Concen: 18.471 ug/L
 RT: 8.42 min Scan# 2202
 Delta R.T. 0.00 min
 Lab File: VU039039.D
 Acq: 23 Jun 2020 14:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02005

Tot Ion:	97	Resp:	360348
Ion	Ratio	Lower	Upper
97	100		
99	62.7	45.4	84.4
83	88.9	64.4	119.6
85	57.3	41.7	77.5

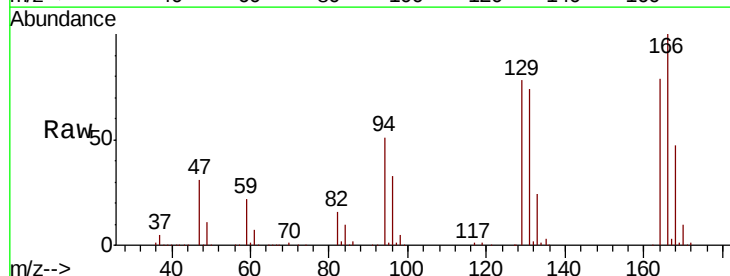


Abundance Ion 96.95 (96.65 to 97.65): VU039039.D (-2109) (-)

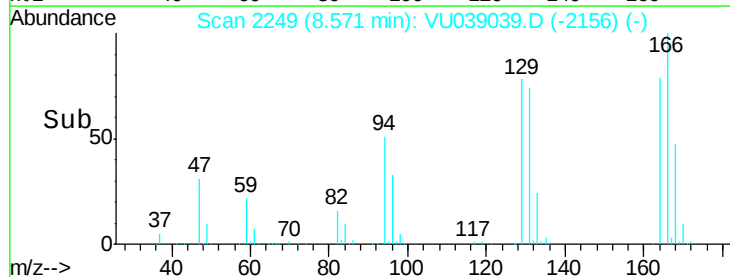
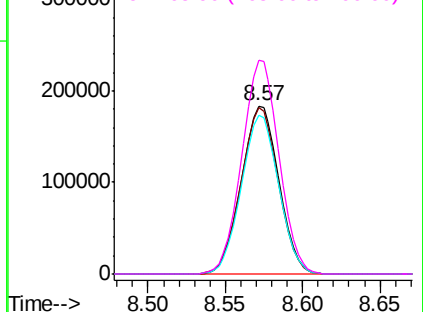


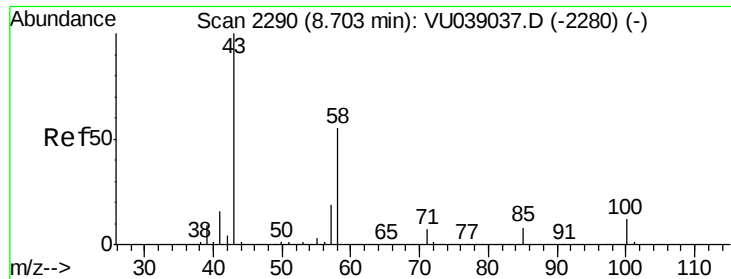
#47
 Tetrachloroethene
 Concen: 18.340 ug/L
 RT: 8.57 min Scan# 2249
 Delta R.T. 0.00 min
 Lab File: VU039039.D
 Acq: 23 Jun 2020 14:28

Tgt Ion:	164	Resp:	309782
Ion	Ratio	Lower	Upper
164	100		
129	99.1	71.3	132.5
131	94.6	68.3	126.8
166	127.2	90.8	168.6



Abundance Ion 163.90 (163.60 to 164.60): VU039039.D (-2156) (-)

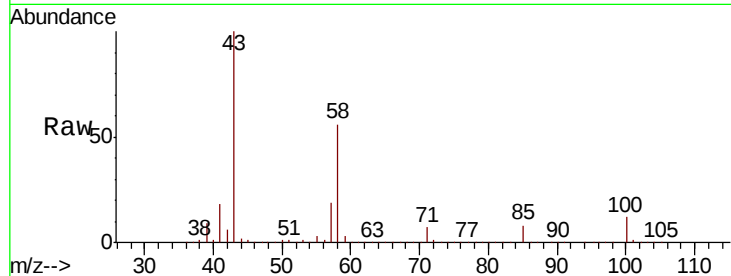




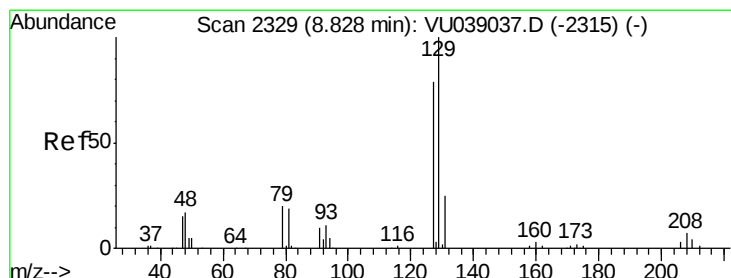
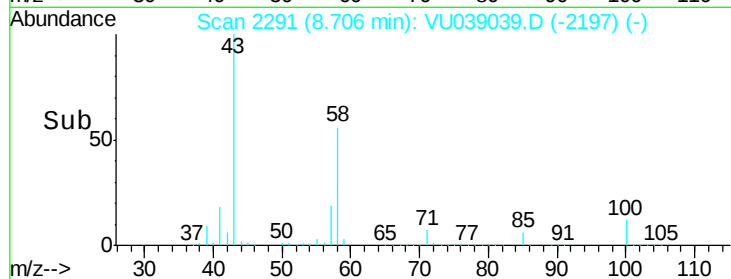
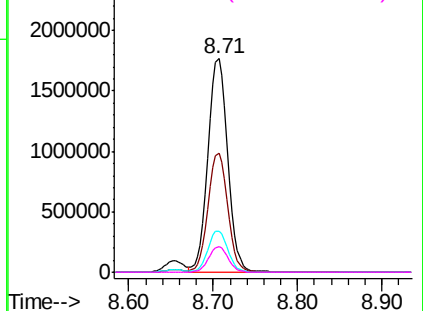
#48
2-Hexanone
Concen: 200.495 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU039039.D
Acq: 23 Jun 2020 14:28

Instrument :
MSVOA_U
ClientSampleId :
VSTD02005

Tot Ion: 43 Resp: 2879658
Ion Ratio Lower Upper
43 100
58 55.6 44.0 66.0
57 19.6 15.0 22.6
100 11.8 9.4 14.2

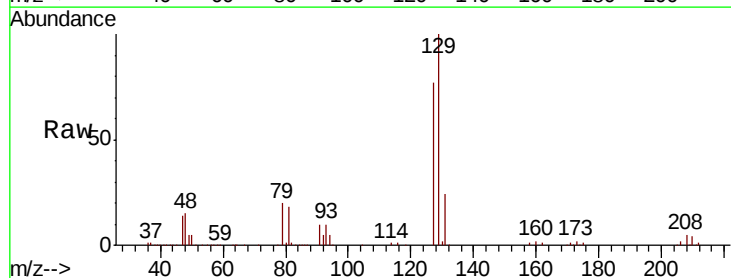


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

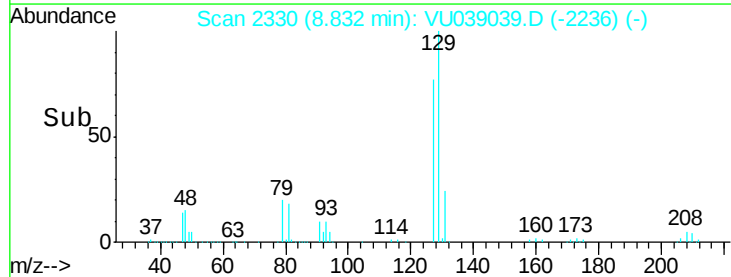
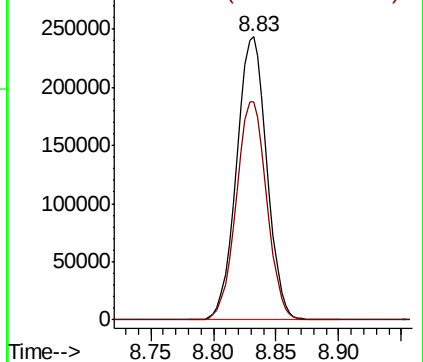


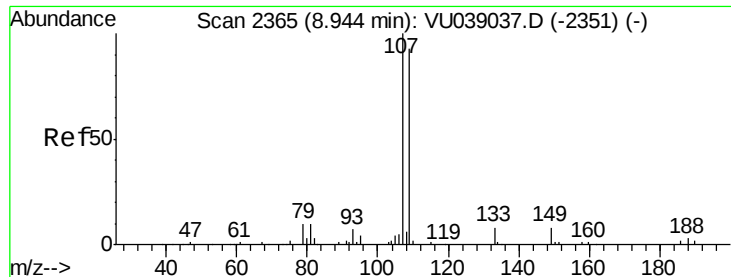
#49
Dibromochloromethane
Concen: 19.241 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU039039.D
Acq: 23 Jun 2020 14:28

Tgt Ion: 129 Resp: 408196
Ion Ratio Lower Upper
129 100
127 77.3 55.4 103.0



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

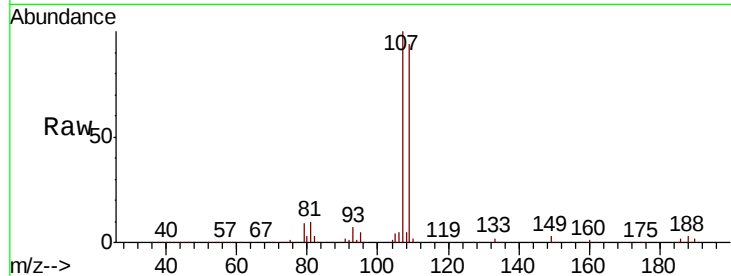




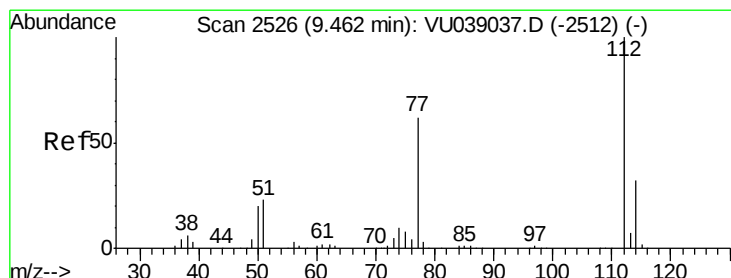
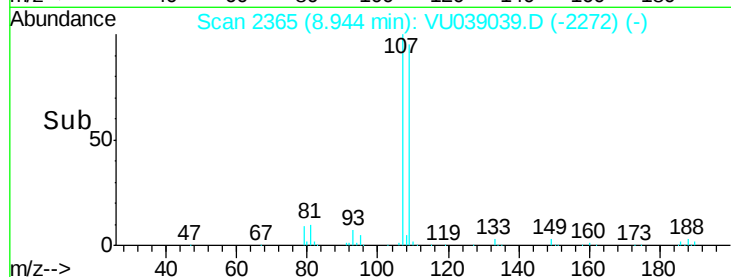
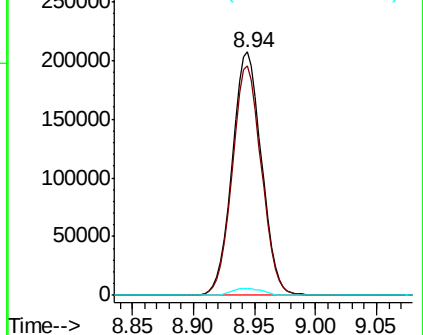
#50
1,2-Dibromoethane
Concen: 18.795 ug/L
RT: 8.94 min Scan# 2365
Delta R.T. 0.00 min
Lab File: VU039039.D
Acq: 23 Jun 2020 14:28

Instrument :
MSVOA_U
ClientSampleId :
VSTD02005

Tot Ion:107 Resp: 346679
Ion Ratio Lower Upper
107 100
109 94.4 64.8 120.4
188 3.0 2.4 3.6

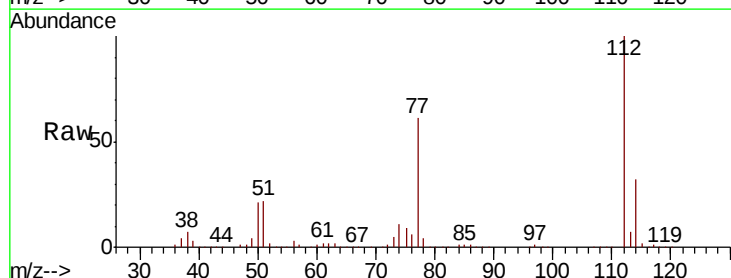


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

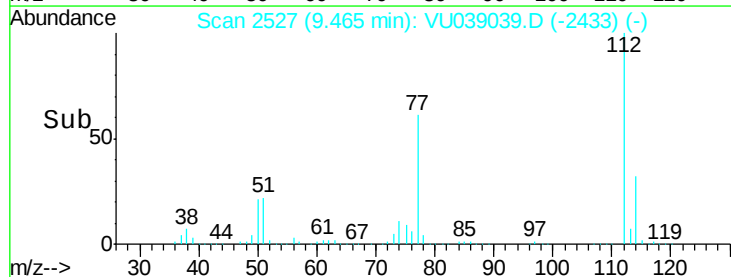
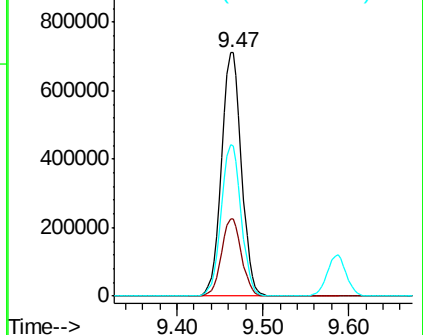


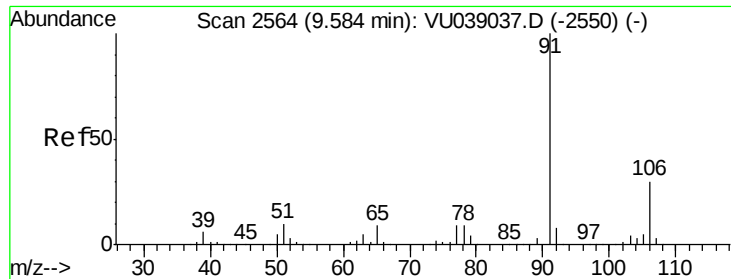
#51
Chlorobenzene
Concen: 18.891 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. 0.00 min
Lab File: VU039039.D
Acq: 23 Jun 2020 14:28

Tgt Ion:112 Resp: 1143702
Ion Ratio Lower Upper
112 100
114 31.5 22.0 41.0
77 61.4 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: 20.400 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. 0.00 min

Lab File: VU039039.D

Acq: 23 Jun 2020 14:28

Instrument :

MSVOA_U

ClientSampleID :

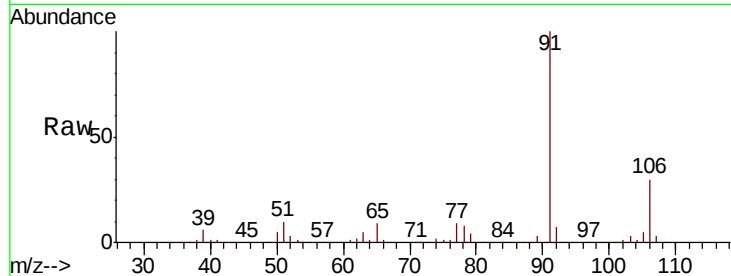
VSTD02005

Tot Ion: 91 Resp: 2062227

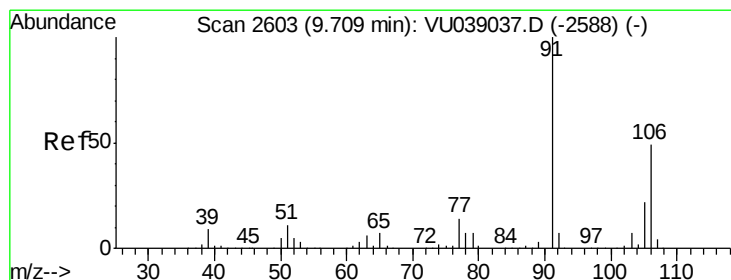
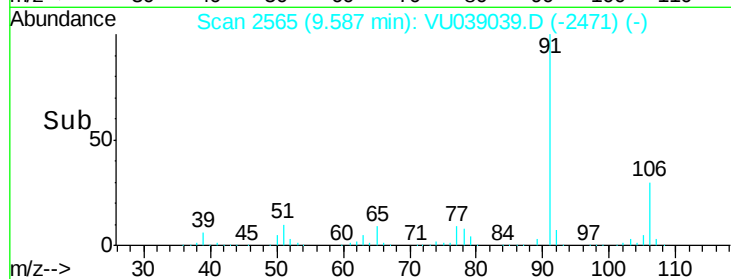
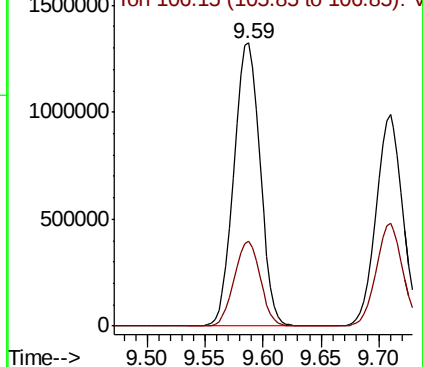
Ion Ratio Lower Upper

91 100

106 29.9 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VU039039.D (-2550) (-)



#53

m,p-Xylene

Concen: 20.765 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VU039039.D

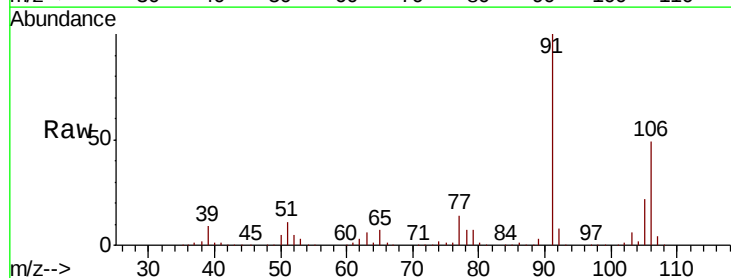
Acq: 23 Jun 2020 14:28

Tgt Ion: 106 Resp: 771849

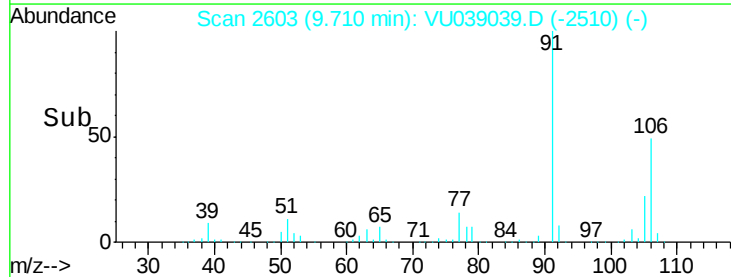
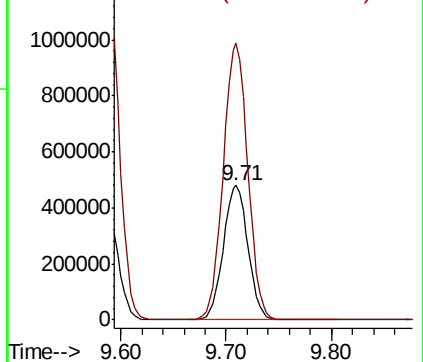
Ion Ratio Lower Upper

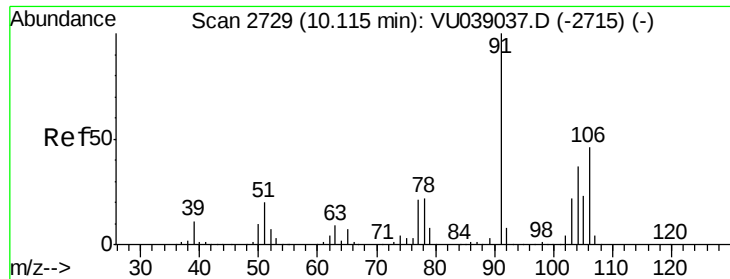
106 100

91 205.0 143.6 266.8



Abundance Ion 106.15 (105.85 to 106.85): VU039039.D (-2510) (-)

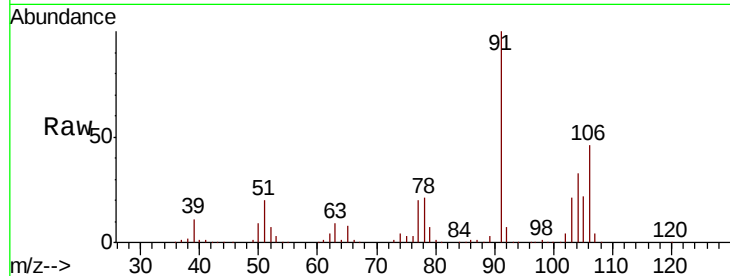




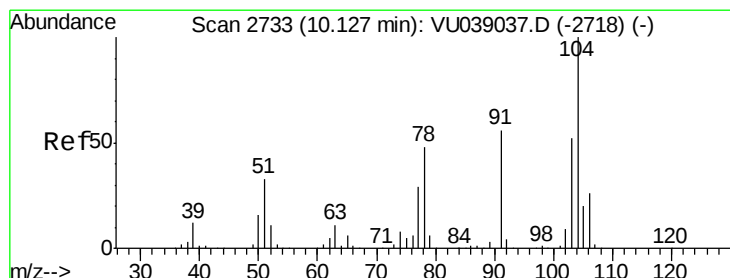
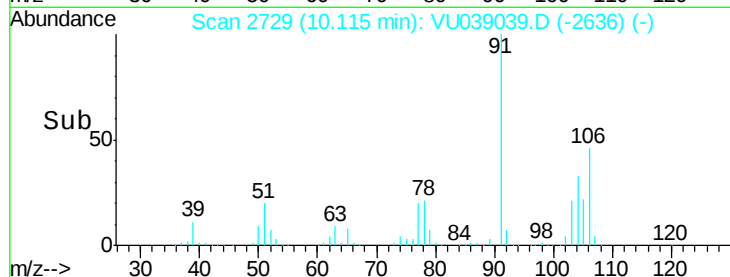
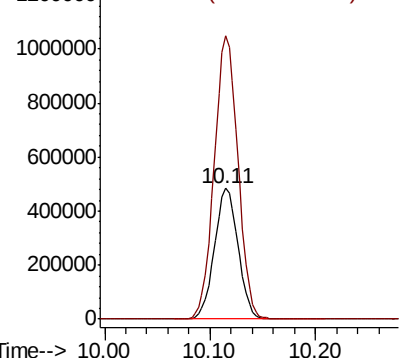
#54
o-Xylene
Concen: 20.967 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU039039.D
Acq: 23 Jun 2020 14:28

Instrument :
MSVOA_U
ClientSampleId :
VSTD02005

Tot Ion:106 Resp: 748691
Ion Ratio Lower Upper
106 100
91 216.5 153.5 285.1

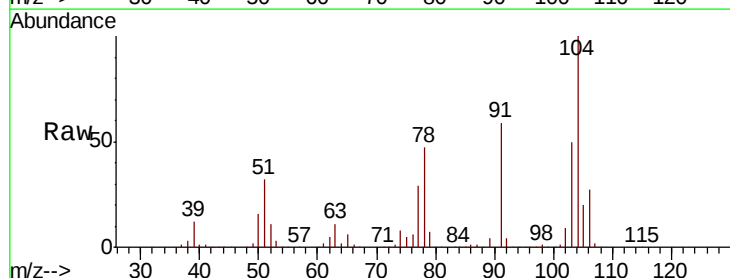


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

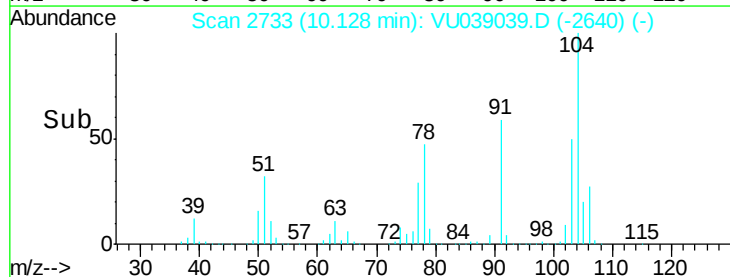
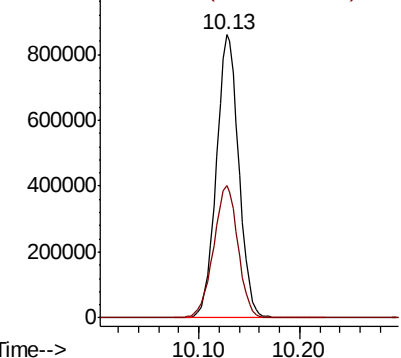


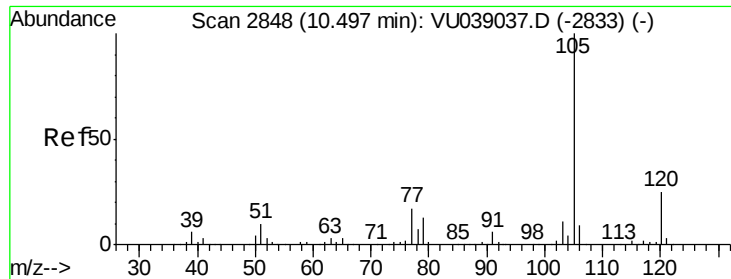
#55
Styrene
Concen: 21.270 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU039039.D
Acq: 23 Jun 2020 14:28

Tgt Ion:104 Resp: 1333893
Ion Ratio Lower Upper
104 100
78 46.9 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: 21.036 ug/L

RT: 10.50 min Scan# 2848

Delta R.T. 0.00 min

Lab File: VU039039.D

Acq: 23 Jun 2020 14:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD02005

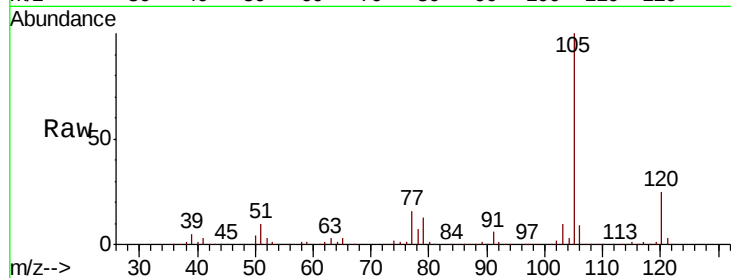
Tot Ion:105 Resp: 1968221

Ion Ratio Lower Upper

105 100

120 25.4 19.9 29.9

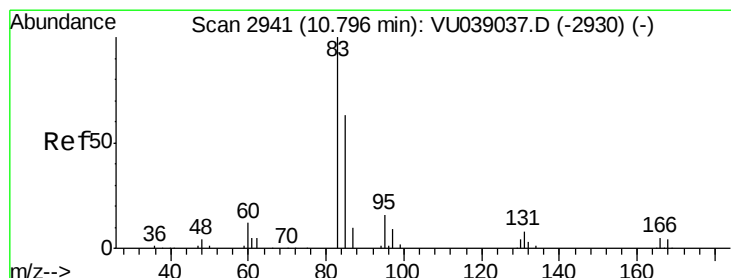
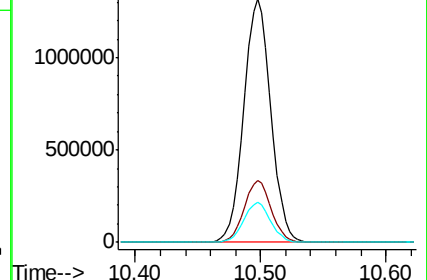
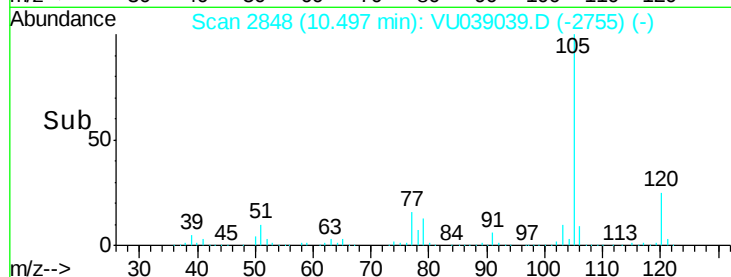
77 16.4 13.3 19.9



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: 18.834 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. 0.00 min

Lab File: VU039039.D

Acq: 23 Jun 2020 14:28

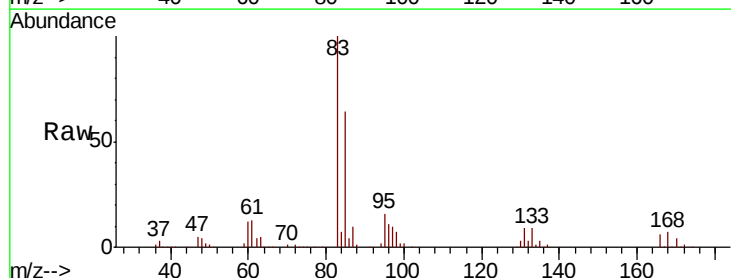
Tgt Ion: 83 Resp: 491320

Ion Ratio Lower Upper

83 100

85 64.4 45.3 84.1

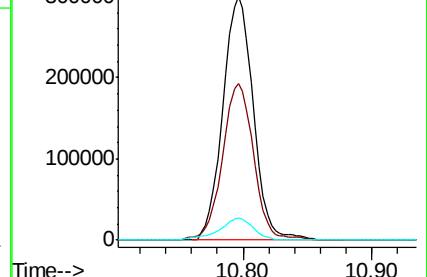
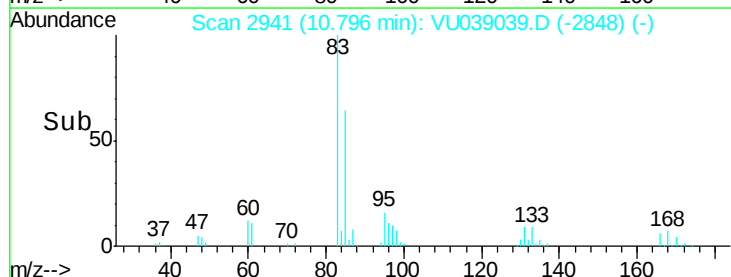
131 9.1 6.9 10.3

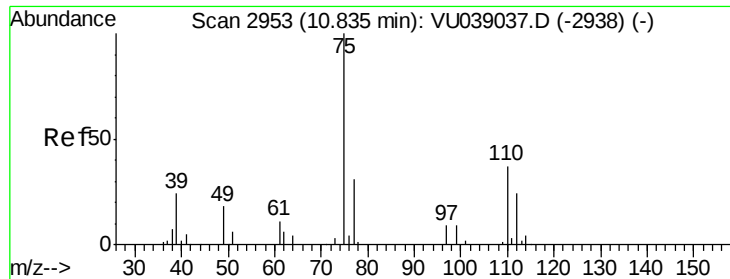


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 18.302 ug/L

RT: 10.84 min Scan# 2954

Delta R.T. 0.00 min

Lab File: VU039039.D

Acq: 23 Jun 2020 14:28

Instrument :

MSVOA_U

ClientSampleId :

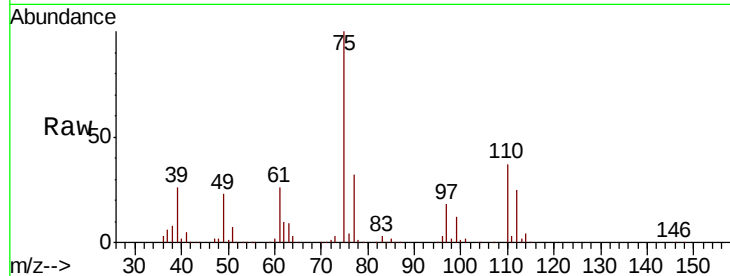
VSTD02005

Tot Ion: 75 Resp: 362203

Ion Ratio Lower Upper

75 100

77 31.8 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU039037.D (-2938) (-)

Ion 77.00 (76.70 to 77.70): VU039037.D (-2938) (-)

10.84

250000

200000

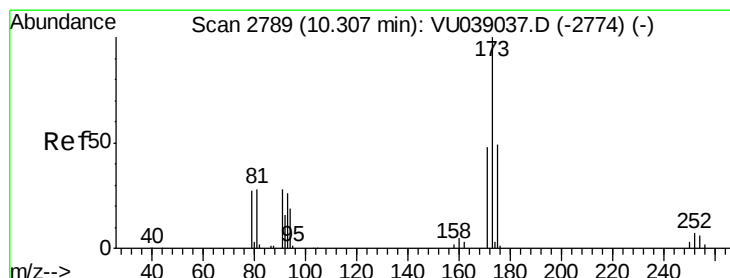
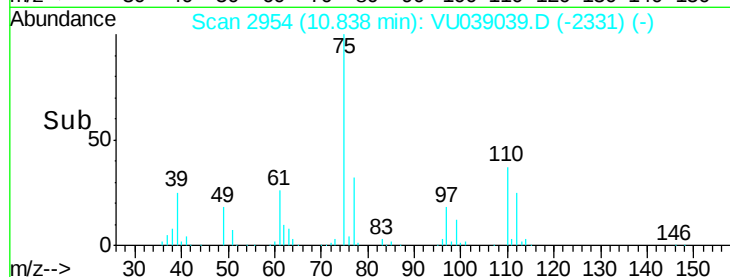
150000

100000

50000

0

Time-->



#61

Bromoform

Concen: 18.311 ug/L

RT: 10.31 min Scan# 2789

Delta R.T. 0.00 min

Lab File: VU039039.D

Acq: 23 Jun 2020 14:28

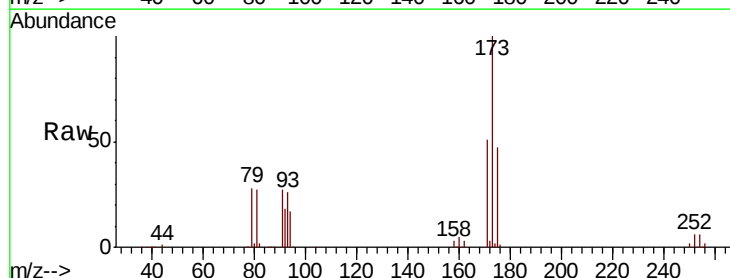
Tgt Ion: 173 Resp: 230878

Ion Ratio Lower Upper

173 100

175 48.6 39.3 58.9

254 5.9 4.4 6.6



Abundance Ion 172.90 (172.60 to 173.60): VU039037.D (-2774) (-)

Ion 174.90 (174.60 to 175.60): VU039037.D (-2774) (-)

Ion 253.75 (253.45 to 254.45): VU039037.D (-2774) (-)

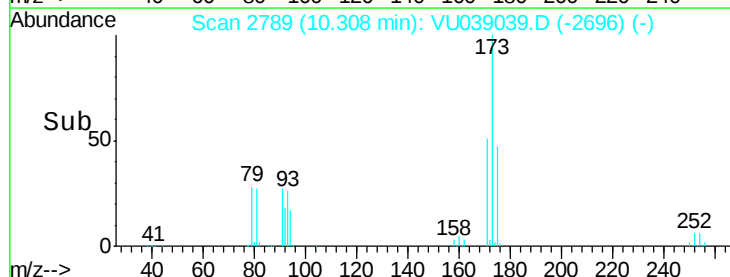
150000

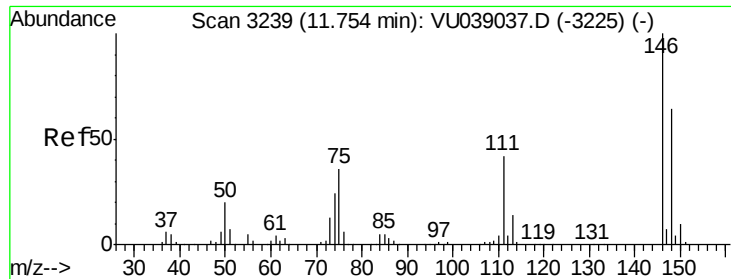
100000

50000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 18.925 ug/L

RT: 11.75 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU039039.D

Acq: 23 Jun 2020 14:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD02005

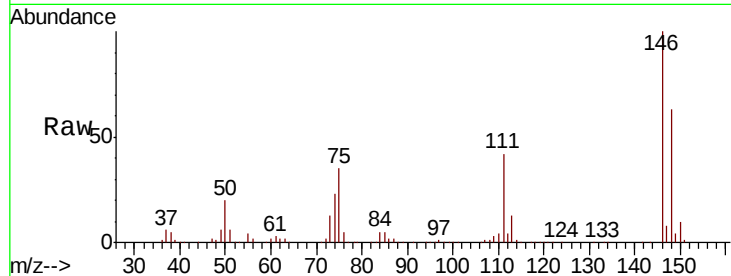
Tot Ion:146 Resp: 868638

Ion Ratio Lower Upper

146 100

111 42.3 29.5 54.9

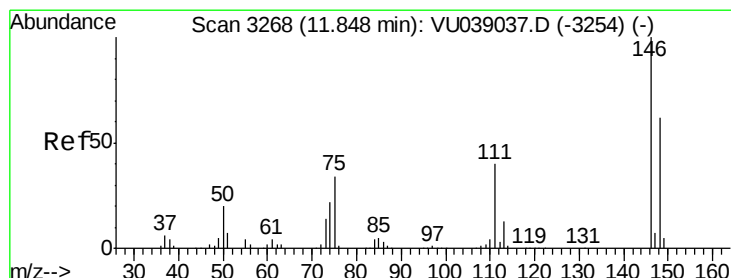
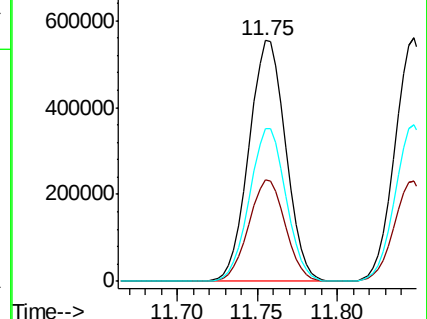
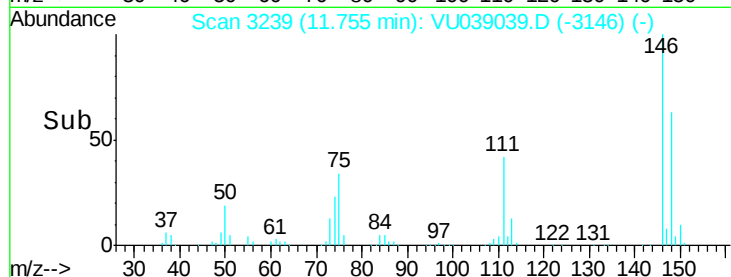
148 63.3 44.5 82.7



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: 18.389 ug/L

RT: 11.85 min Scan# 3268

Delta R.T. 0.00 min

Lab File: VU039039.D

Acq: 23 Jun 2020 14:28

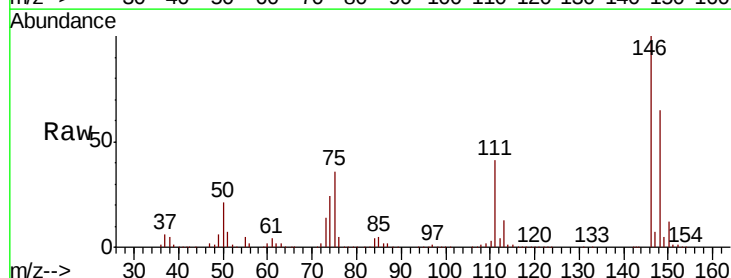
Tgt Ion:146 Resp: 869302

Ion Ratio Lower Upper

146 100

111 41.1 28.4 52.8

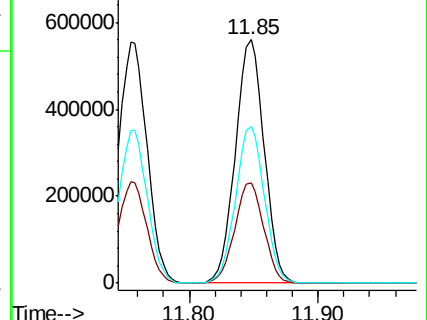
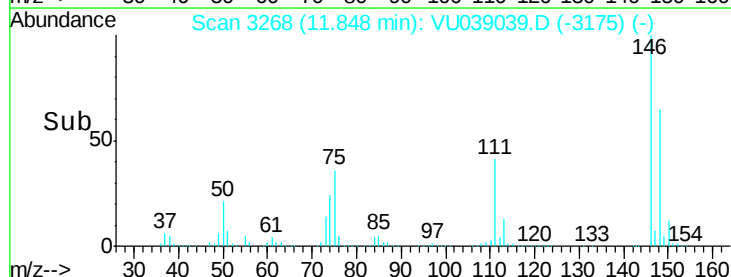
148 64.5 43.4 80.6

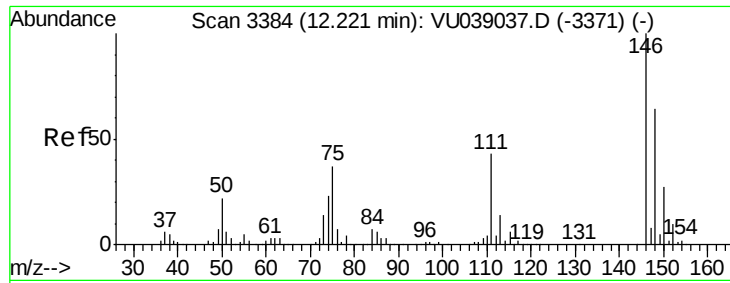


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 18.516 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. 0.00 min

Lab File: VU039039.D

Acq: 23 Jun 2020 14:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD02005

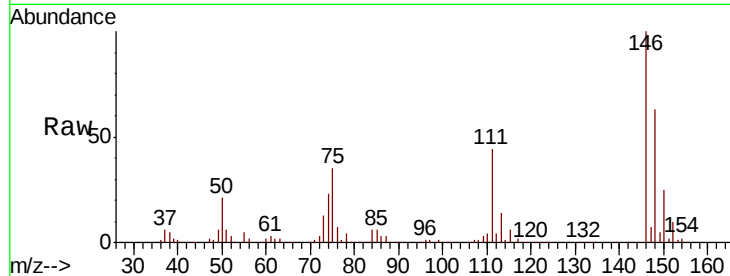
Tot Ion:146 Resp: 852140

Ion Ratio Lower Upper

146 100

111 43.9 34.7 52.1

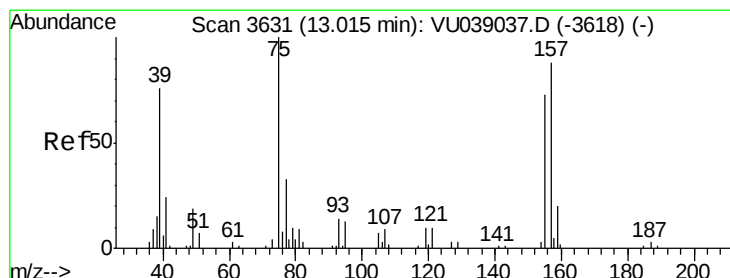
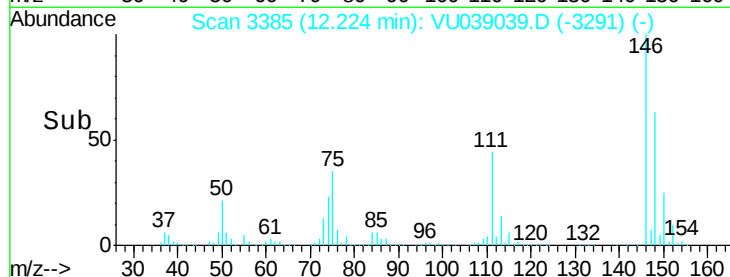
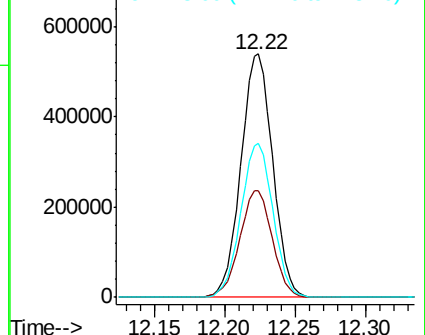
148 63.1 50.9 76.3



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: 18.392 ug/L

RT: 13.01 min Scan# 3631

Delta R.T. 0.00 min

Lab File: VU039039.D

Acq: 23 Jun 2020 14:28

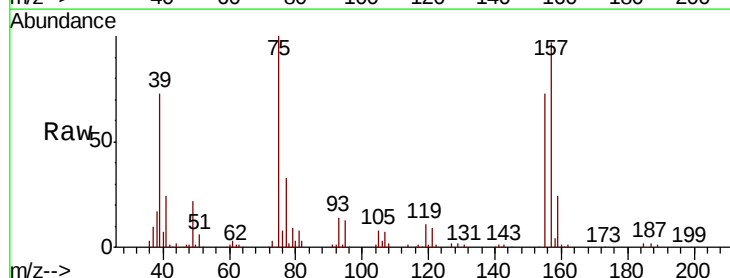
Tgt Ion: 75 Resp: 93370

Ion Ratio Lower Upper

75 100

155 73.2 58.6 88.0

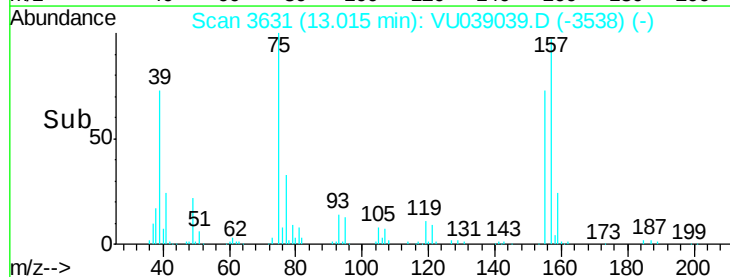
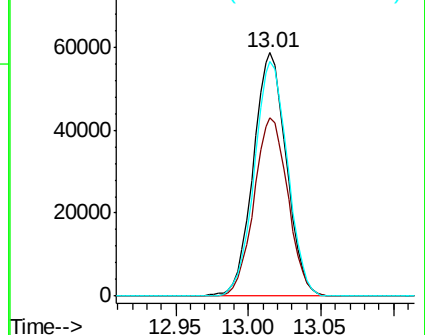
157 96.6 70.3 105.5

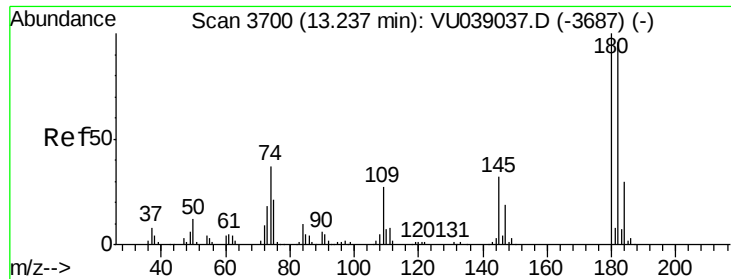


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

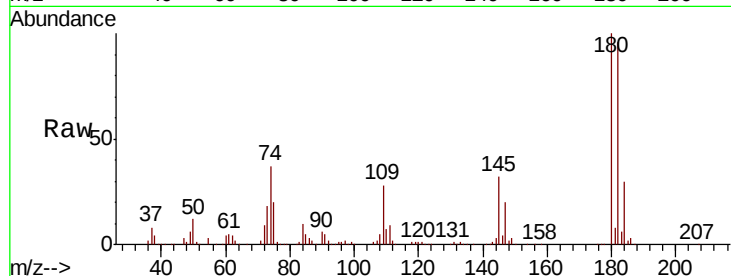




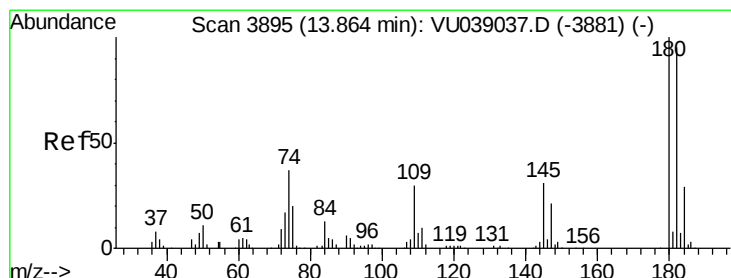
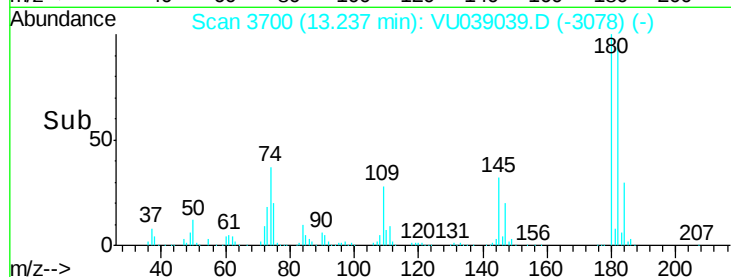
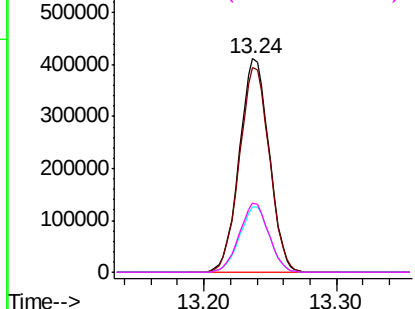
#67
 1,3,5-Trichlorobenzene
 Concen: 18.961 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. 0.00 min
 Lab File: VU039039.D
 Acq: 23 Jun 2020 14:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02005

Tot Ion:180 Resp: 644079
 Ion Ratio Lower Upper
 180 100
 182 96.3 76.3 114.5
 184 30.5 24.2 36.4
 145 31.8 25.2 37.8

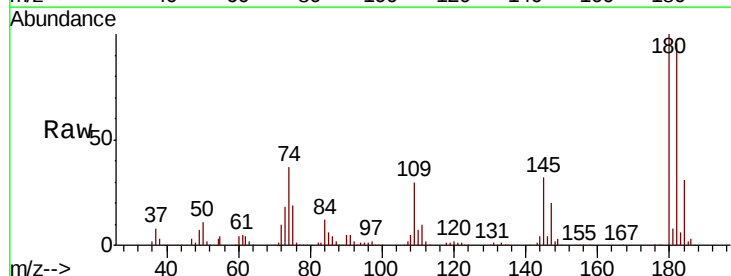


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

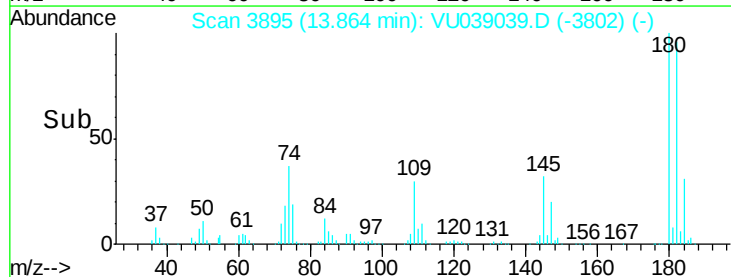
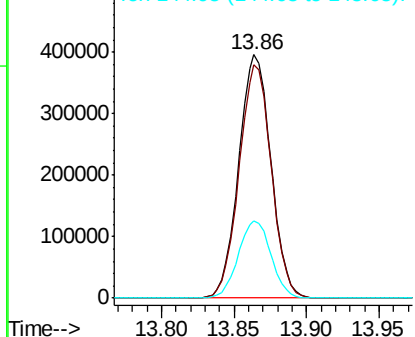


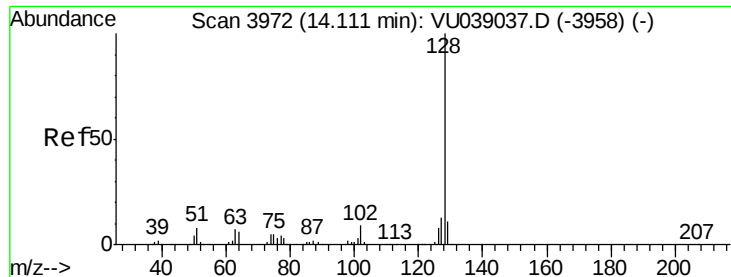
#68
 1,2,4-trichlorobenzene
 Concen: 19.750 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. 0.00 min
 Lab File: VU039039.D
 Acq: 23 Jun 2020 14:28

Tgt Ion:180 Resp: 611087
 Ion Ratio Lower Upper
 180 100
 182 95.6 77.0 115.6
 145 32.3 25.4 38.2



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: 21.668 ug/L

RT: 14.11 min Scan# 3972

Delta R.T. 0.00 min

Lab File: VU039039.D

Acq: 23 Jun 2020 14:28

Instrument :

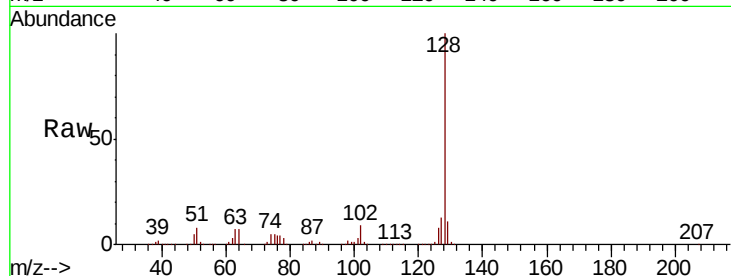
MSVOA_U

ClientSampleId :

VSTD02005

Tot Ion:128 Resp: 1430307

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.9	13.3
127	13.4	10.8	16.2



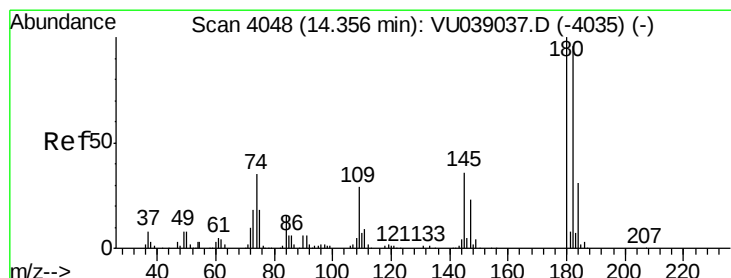
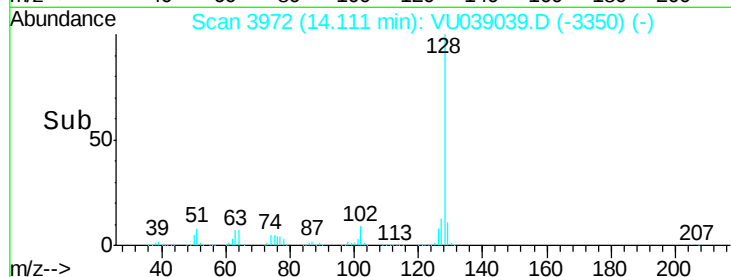
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

14.11

Time--> 14.00 14.10 14.20



#70

1,2,3-Trichlorobenzene

Concen: 18.978 ug/L

RT: 14.36 min Scan# 4049

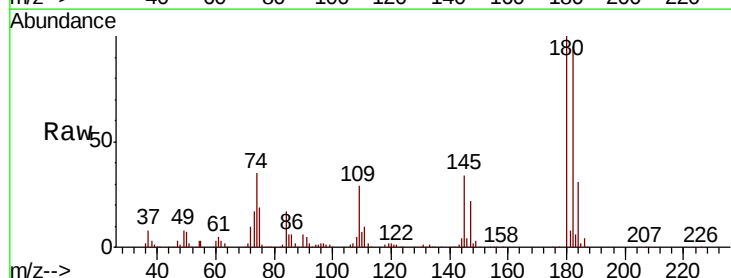
Delta R.T. 0.00 min

Lab File: VU039039.D

Acq: 23 Jun 2020 14:28

Tgt Ion:180 Resp: 566769

Ion	Ratio	Lower	Upper
180	100		
182	95.9	75.8	113.6
145	34.4	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

14.36

Time--> 14.30 14.40

