

Data File : VU039004.D
Acq On : 22 Jun 2020 14:16
Operator : SY/MD
Sample : VSTD010
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD01003

Quant Time: Jun 22 15:01:03 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Jun 22 14:58:07 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	273549	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	271626	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	143968	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	222747	8.81	ug/L	0.00
7) Chloroethane-d5	1.93	69	157368	8.42	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	427780	9.40	ug/L	0.00
20) 2-Butanone-d5	4.67	46	766867	100.71	ug/L	0.00
24) Chloroform-d	5.10	84	405572	9.27	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	240459	9.37	ug/L	0.00
32) Benzene-d6	5.76	84	828585	9.92	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	267417	10.00	ug/L	0.00
41) Toluene-d8	7.92	98	721754	8.89	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	118206	9.34	ug/L	0.00
46) 2-Hexanone-d5	8.65	63	625007	113.12	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	244325	10.28	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.20	152	280959	9.69	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	257279	9.194 ug/L	99
3) Chloromethane	1.53	50	152747	5.514 ug/L	97
5) Vinyl chloride	1.62	62	272452	9.428 ug/L	100
6) Bromomethane	1.87	94	64593	5.822 ug/L	99
8) Chloroethane	1.95	64	164151	9.984 ug/L	98
9) Trichlorofluoromethane	2.15	101	345444	9.182 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	206087	9.313 ug/L	99
12) 1,1-Dichloroethene	2.60	96	195935	9.668 ug/L	94
13) Acetone	2.66	43	447640	95.510 ug/L	99
14) Carbon disulfide	2.82	76	654456	9.477 ug/L	99
15) Methyl Acetate	2.98	43	115292	9.904 ug/L	100
16) Methylene chloride	3.07	84	223764	8.977 ug/L	100
17) Methyl tert-butyl Ether	3.40	73	528319	9.837 ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	208025	9.717 ug/L	98
19) 1,1-Dichloroethane	3.91	63	412950	9.990 ug/L	99
21) 2-Butanone	4.75	43	769104	101.724 ug/L	100
22) cis-1,2-Dichloroethene	4.70	96	227820	10.038 ug/L	96
23) Bromochloromethane	5.01	128	101519	9.802 ug/L	97
25) Chloroform	5.12	83	422700	10.370 ug/L	99
27) 1,2-Dichloroethane	5.83	62	285201	9.703 ug/L	99
29) 1,1,1-Trichloroethane	5.35	97	345677	9.859 ug/L	99
30) Cyclohexane	5.42	56	360497	10.402 ug/L	99
31) Carbon tetrachloride	5.56	117	285074	9.673 ug/L	100
33) Benzene	5.81	78	886936	10.013 ug/L	100
34) Trichloroethene	6.57	95	213191	9.630 ug/L	99
35) Methylcyclohexane	6.79	83	352541	10.328 ug/L	99
37) 1,2-Dichloropropane	6.82	63	238637	9.989 ug/L	100
38) Bromodichloromethane	7.13	83	293040	9.432 ug/L	99
39) cis-1,3-Dichloropropene	7.63	75	351322	9.306 ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	1831159	90.410 ug/L	99

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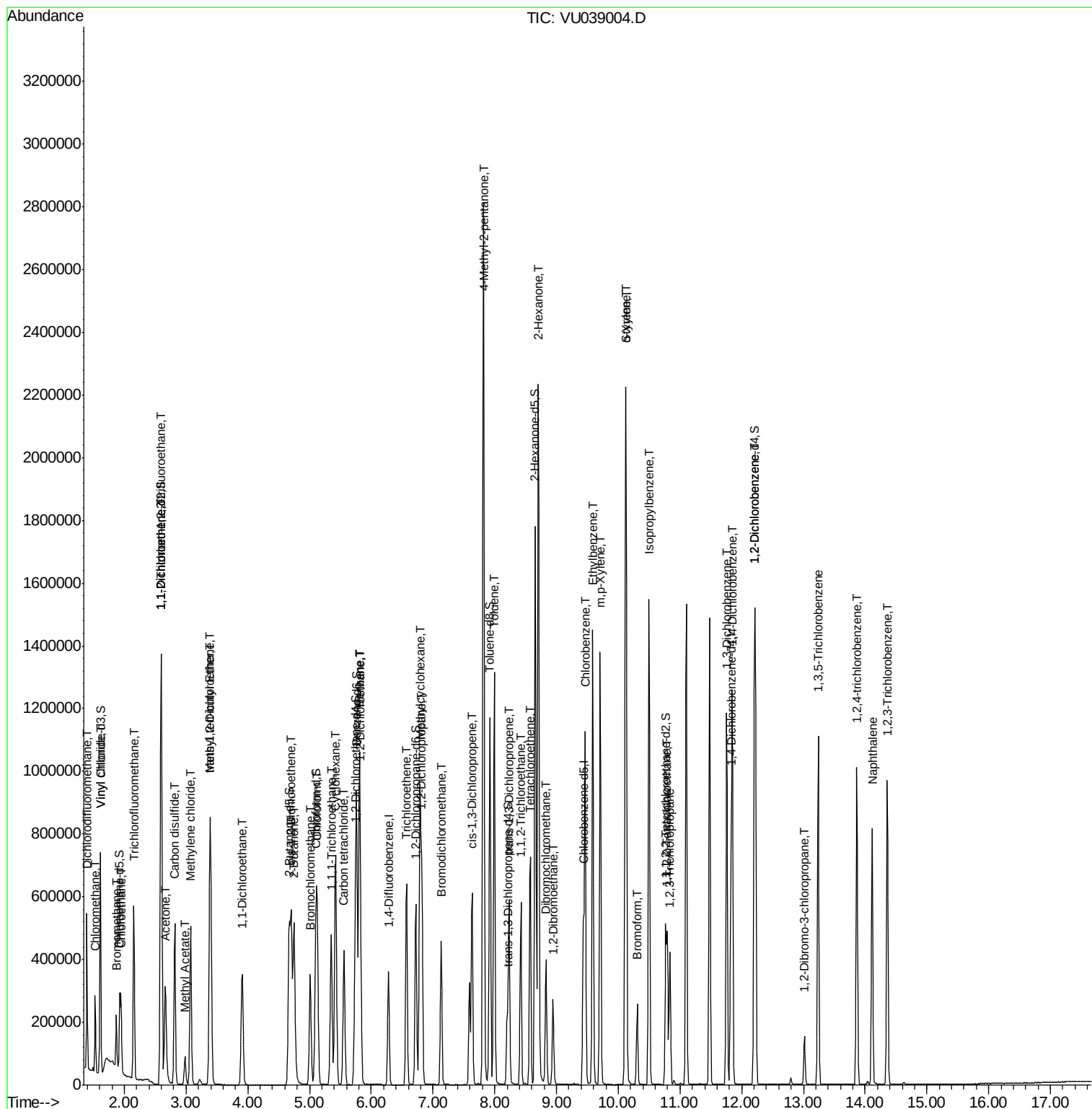
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.99	91	911721	9.210	ug/L	98
44) trans-1,3-Dichloropropene	8.23	75	317549	9.604	ug/L	100
45) 1,1,2-Trichloroethane	8.42	97	171430	9.085	ug/L	97
47) Tetrachloroethene	8.57	164	152992	9.085	ug/L	97
48) 2-Hexanone	8.71	43	1384668	102.048	ug/L	99
49) Dibromochloromethane	8.83	129	193484	9.494	ug/L	99
50) 1,2-Dibromoethane	8.94	107	165148	9.433	ug/L #	99
51) Chlorobenzene	9.47	112	558537	9.684	ug/L	99
52) Ethylbenzene	9.59	91	985006	9.923	ug/L	99
53) m,p-Xylene	9.71	106	380245	10.182	ug/L	100
54) o-Xylene	10.12	106	366077	10.102	ug/L	99
55) Styrene	10.13	104	655660	10.540	ug/L	99
56) Isopropylbenzene	10.50	105	965378	10.281	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.80	83	231092	9.976	ug/L	97
59) 1,2,3-Trichloropropane	10.84	75	174127	10.125	ug/L	100
61) Bromoform	10.31	173	112693	9.589	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	442967	9.432	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	452954	9.385	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	428660	9.515	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.01	75	38609	9.179	ug/L	97
67) 1,3,5-Trichlorobenzene	13.24	180	318058	8.850	ug/L	100
68) 1,2,4-trichlorobenzene	13.87	180	286198	8.975	ug/L	99
69) Naphthalene	14.11	128	612538	10.467	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	269104	8.839	ug/L	97

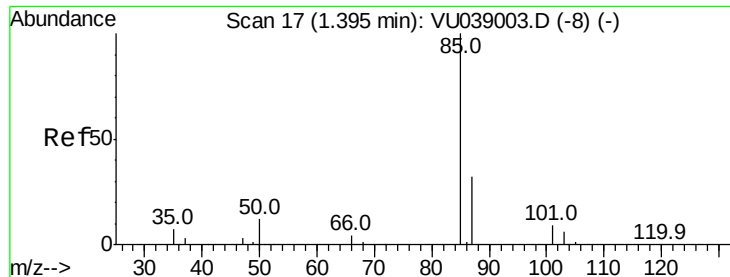
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 9.194 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU039004.D

Acq: 22 Jun 2020 14:16

Instrument :

MSVOA_U

ClientSampleId :

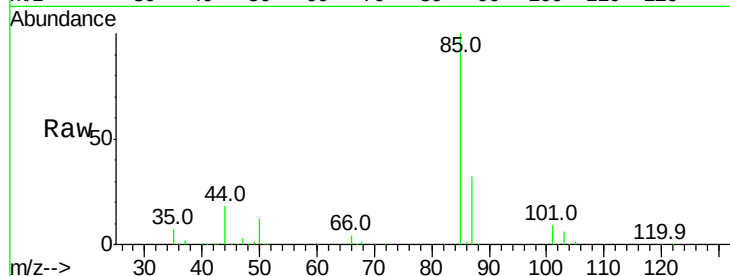
VSTD01003

Tgt Ion: 85 Resp: 257279

Ion Ratio Lower Upper

85 100

87 31.8 25.0 37.6



Abundance Ion 85.00 (84.70 to 85.70): VU039004.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU039004.D (-8) (-)

1.39

300000

250000

200000

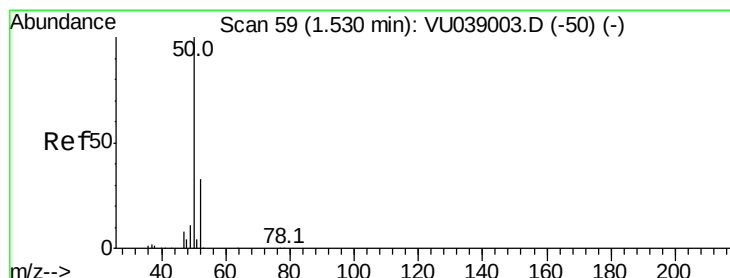
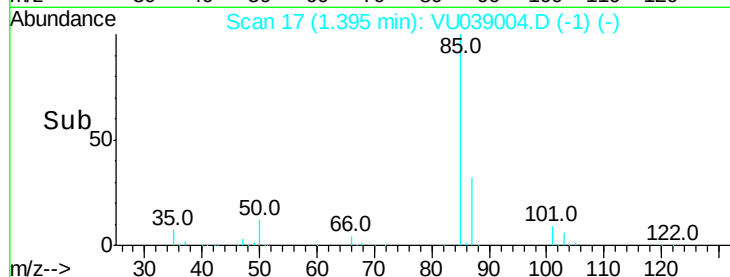
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 5.514 ug/L

RT: 1.53 min Scan# 59

Delta R.T. -0.00 min

Lab File: VU039004.D

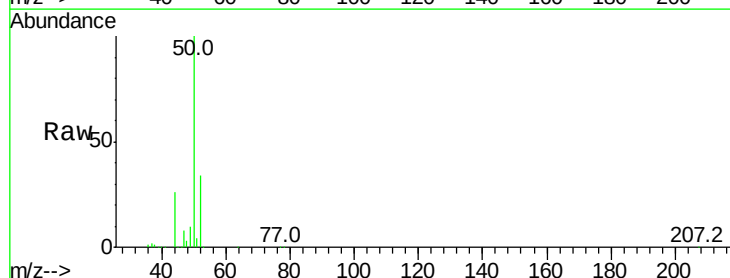
Acq: 22 Jun 2020 14:16

Tgt Ion: 50 Resp: 152747

Ion Ratio Lower Upper

50 100

52 34.3 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VU039004.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU039004.D (-50) (-)

1.53

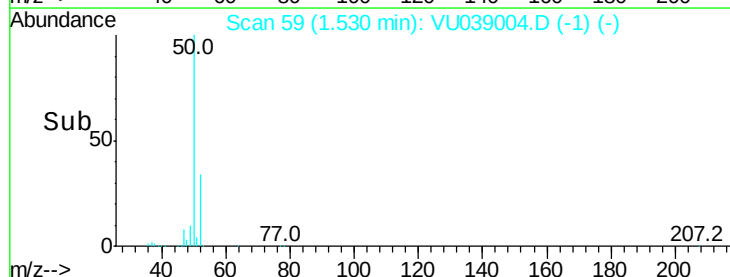
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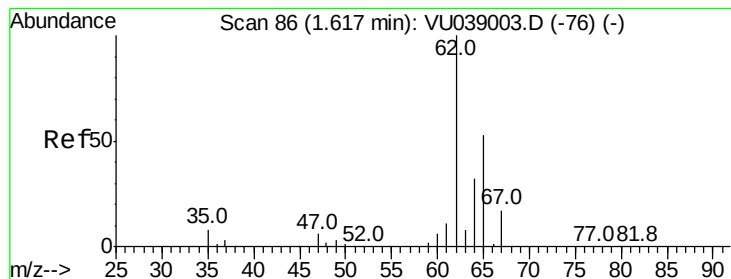
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 9.428 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU039004.D

Acq: 22 Jun 2020 14:16

Instrument :

MSVOA_U

ClientSampleId :

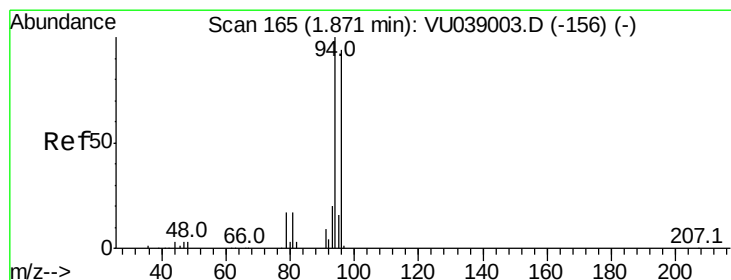
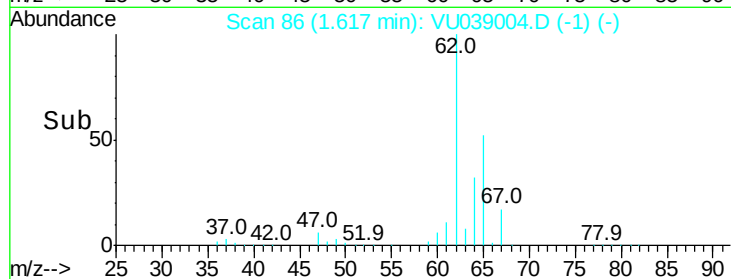
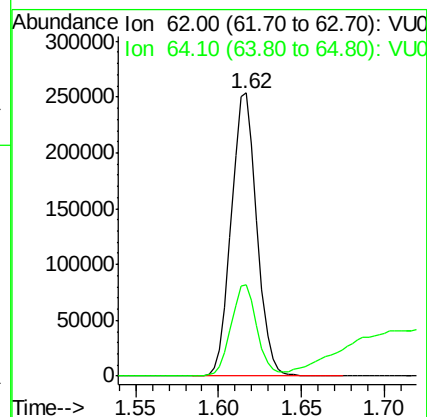
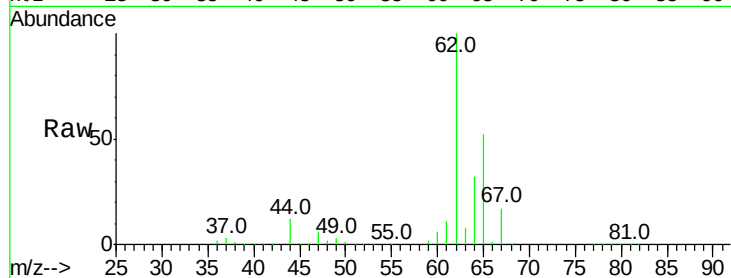
VSTD01003

Tgt Ion: 62 Resp: 272452

Ion Ratio Lower Upper

62 100

64 32.4 22.5 41.9



#6

Bromomethane

Concen: 5.822 ug/L

RT: 1.87 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU039004.D

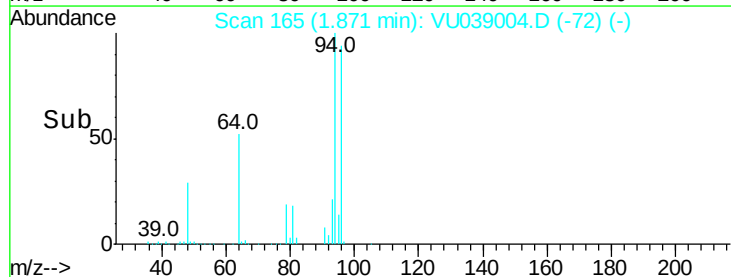
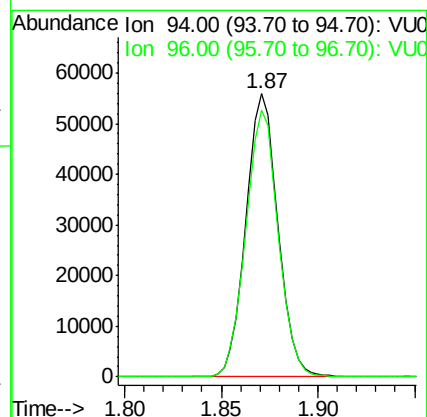
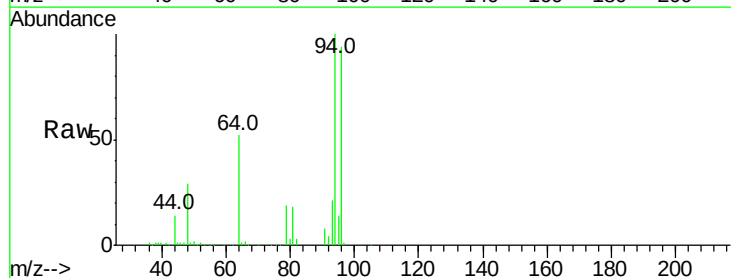
Acq: 22 Jun 2020 14:16

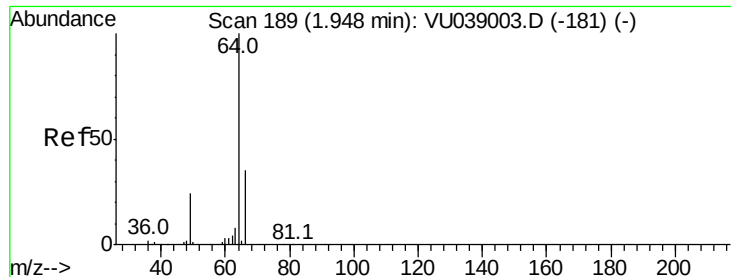
Tgt Ion: 94 Resp: 64593

Ion Ratio Lower Upper

94 100

96 94.3 65.5 121.7





#8

Chloroethane

Concen: 9.984 ug/L

RT: 1.95 min Scan# 189

Delta R.T. -0.00 min

Lab File: VU039004.D

Acq: 22 Jun 2020 14:16

Instrument :

MSVOA_U

ClientSampleId :

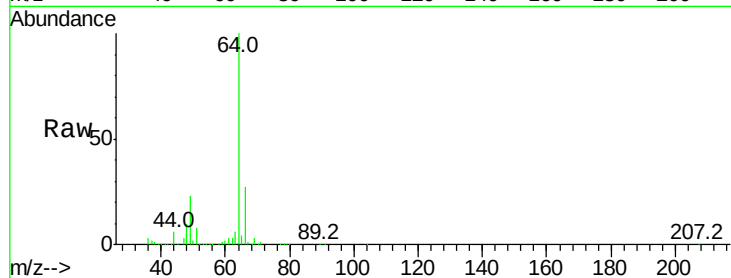
VSTD01003

Tgt Ion: 64 Resp: 164151

Ion Ratio Lower Upper

64 100

66 26.9 19.4 36.0



Abundance Ion 64.10 (63.80 to 64.80): VU039004.D (-181) (-)

Ion 66.05 (65.75 to 66.75): VU039004.D (-181) (-)

1.95

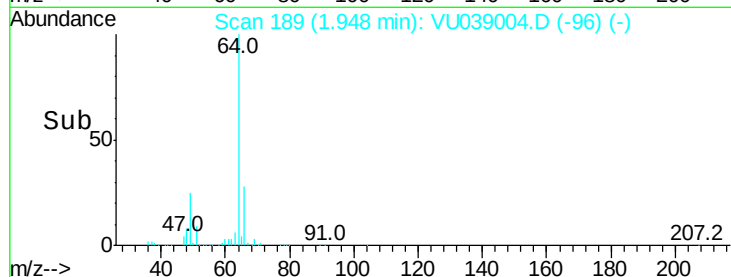
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100000

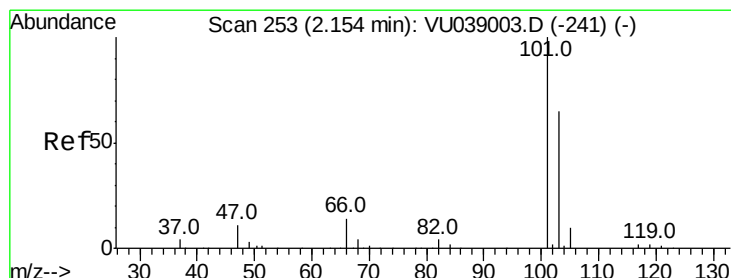
50000

0

Time-->



Time-->



#9

Trichlorofluoromethane

Concen: 9.182 ug/L

RT: 2.15 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU039004.D

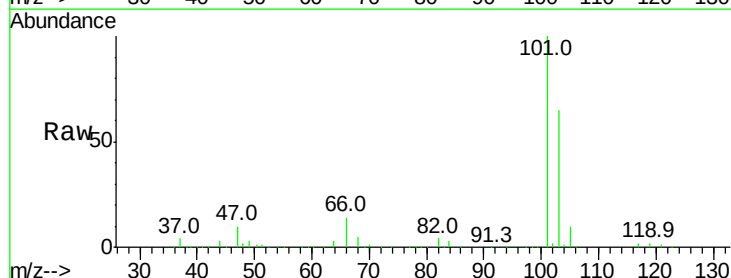
Acq: 22 Jun 2020 14:16

Tgt Ion: 101 Resp: 345444

Ion Ratio Lower Upper

101 100

103 64.4 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): VU039004.D (-241) (-)

Ion 103.00 (102.70 to 103.70): VU039004.D (-241) (-)

2.15

250000

200000

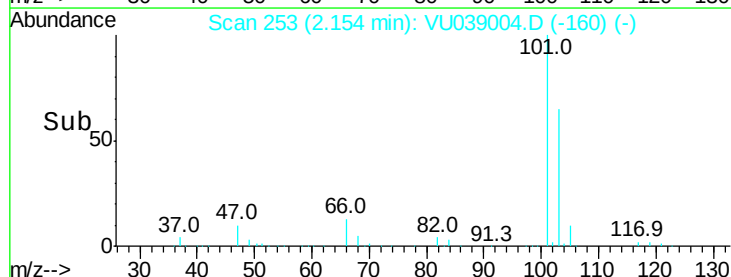
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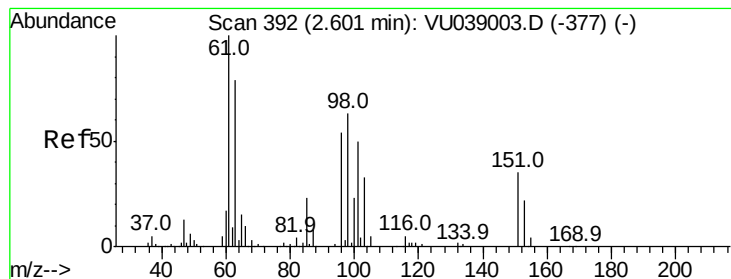
50000

0

Time-->



Time-->



#10

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

Concen: 9.313 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.00 min

Lab File: VU039004.D

Acq: 22 Jun 2020 14:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD01003

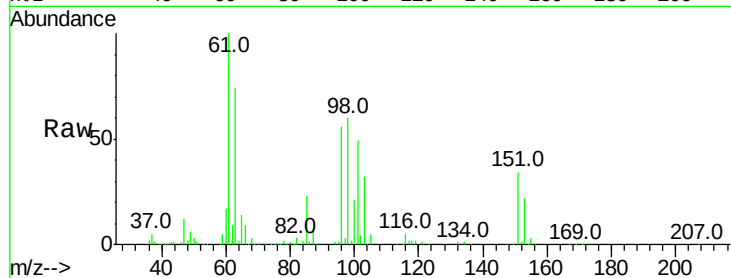
Tgt Ion: 101 Resp: 206087

Ion Ratio Lower Upper

101 100

85 44.4 36.5 54.7

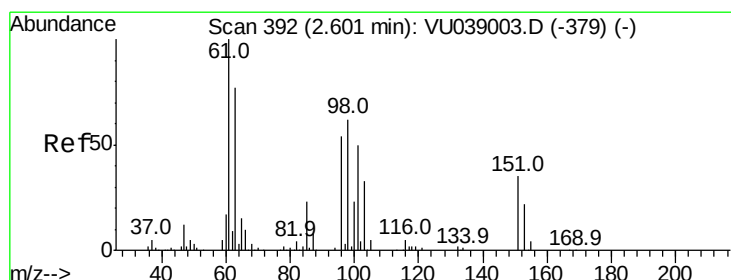
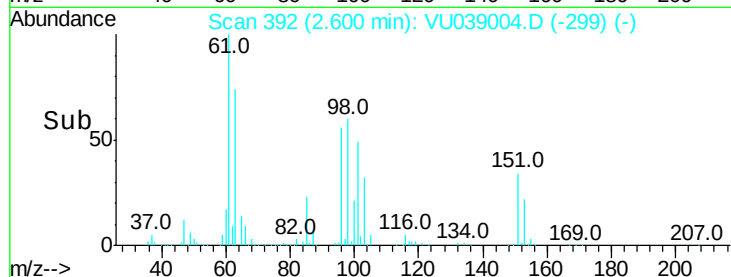
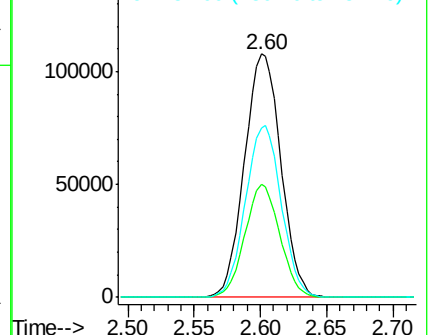
151 69.4 56.2 84.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 9.668 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.00 min

Lab File: VU039004.D

Acq: 22 Jun 2020 14:16

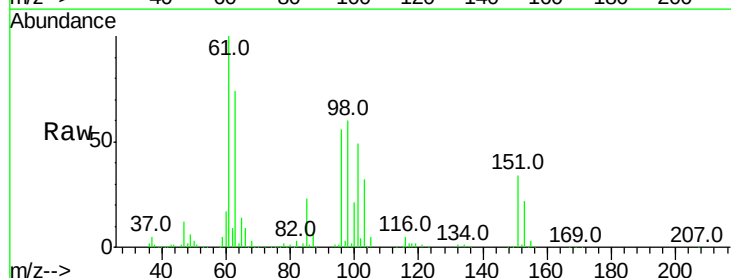
Tgt Ion: 96 Resp: 195935

Ion Ratio Lower Upper

96 100

61 179.2 128.7 239.1

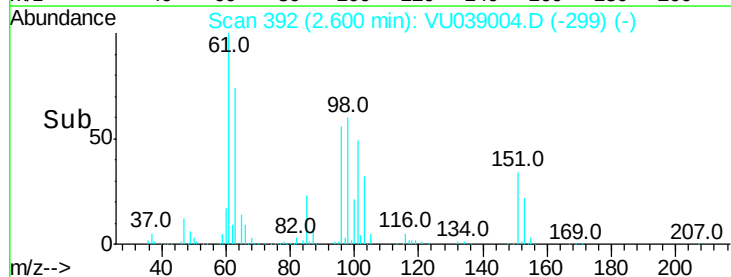
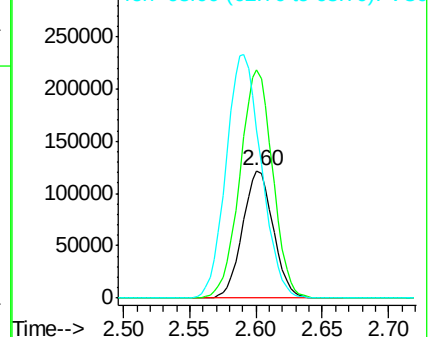
63 132.1 101.5 188.5

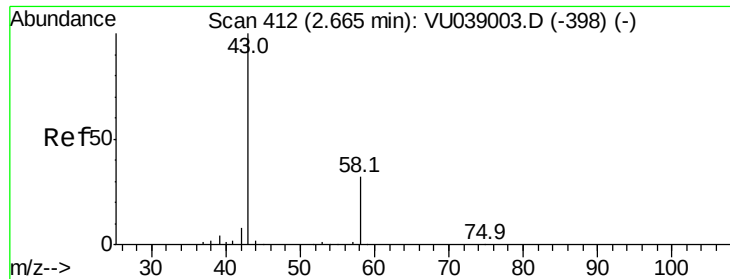


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 95.510 ug/L

RT: 2.66 min Scan# 412

Delta R.T. -0.00 min

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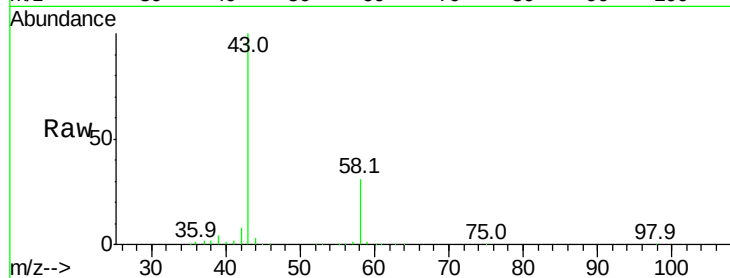
VSTD01003

Tgt Ion: 43 Resp: 447640

Ion Ratio Lower Upper

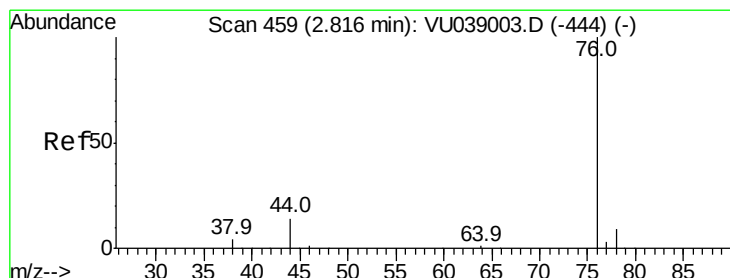
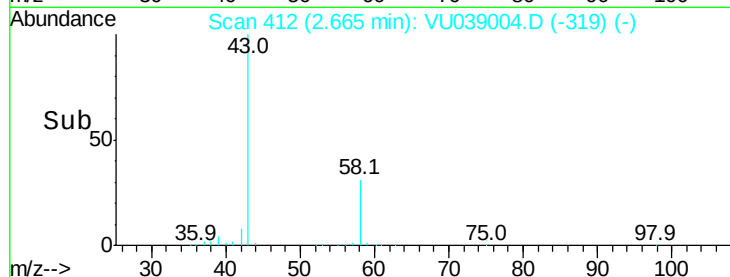
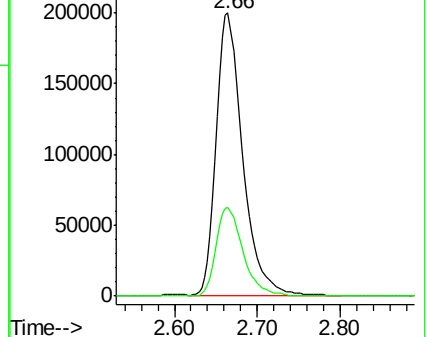
43 100

58 31.6 0.0 64.8



Abundance Ion 43.05 (42.75 to 43.75): VU039003.D (-398) (-)

Ion 58.05 (57.75 to 58.75): VU039003.D (-398) (-)



#14

Carbon disulfide

Concen: 9.477 ug/L

RT: 2.82 min Scan# 459

Delta R.T. -0.00 min

Lab File: VU039004.D

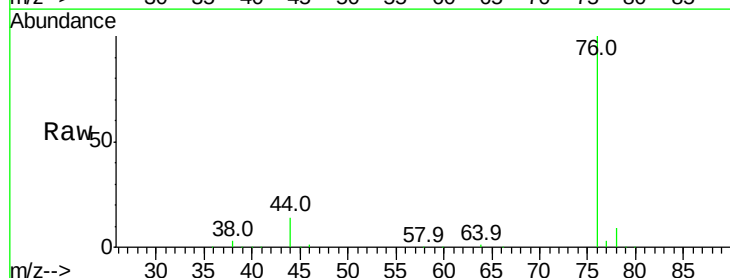
Acq: 22 Jun 2020 14:16

Tgt Ion: 76 Resp: 654456

Ion Ratio Lower Upper

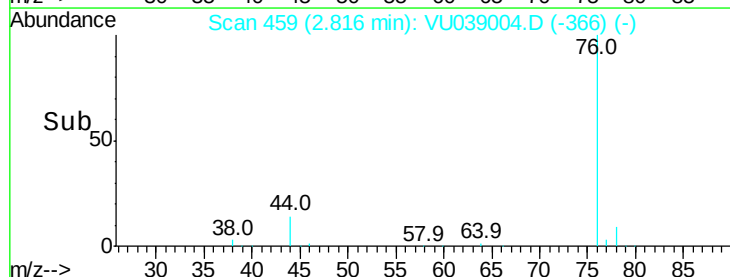
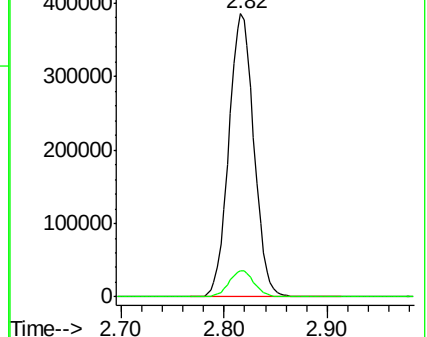
76 100

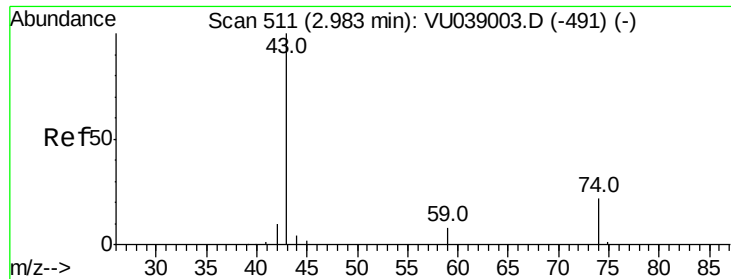
78 9.2 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU039003.D (-444) (-)

Ion 78.00 (77.70 to 78.70): VU039003.D (-444) (-)

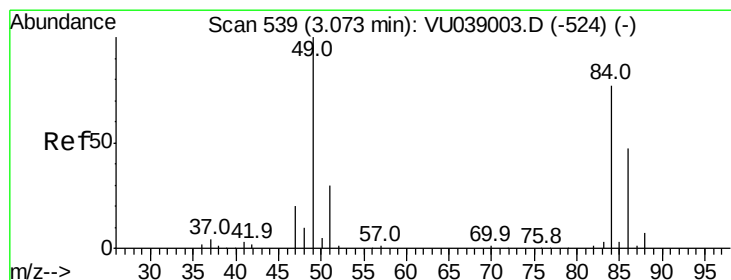
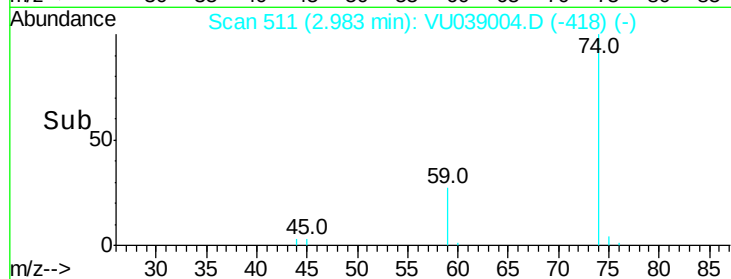
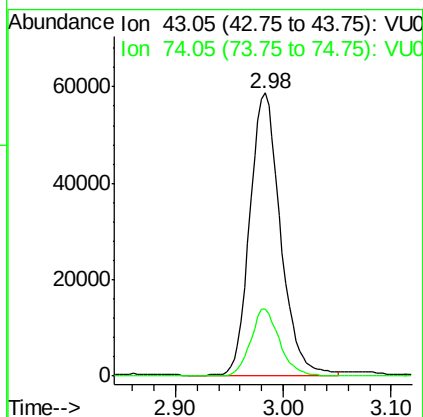
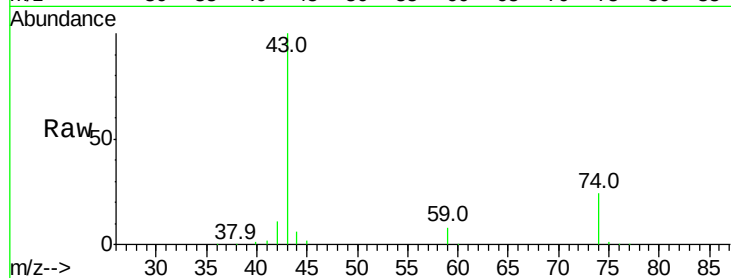




#15
Methyl Acetate
Concen: 9.904 ug/L
RT: 2.98 min Scan# 511
Delta R.T. -0.00 min
Lab File: VU039004.D
Acq: 22 Jun 2020 14:16

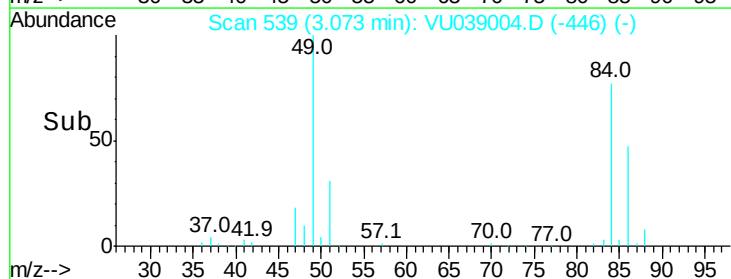
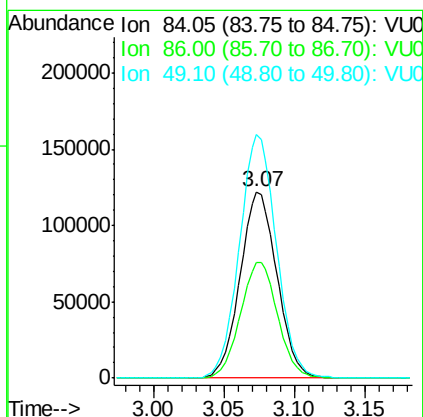
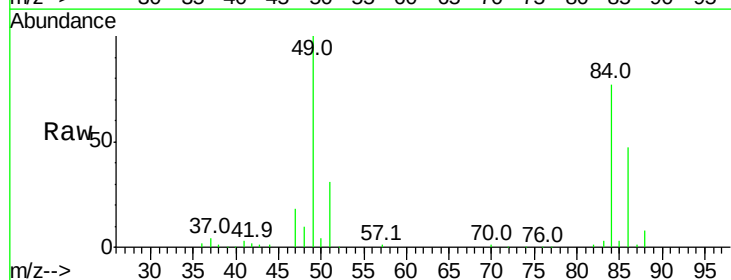
Instrument :
MSVOA_U
ClientSampleId :
VSTD01003

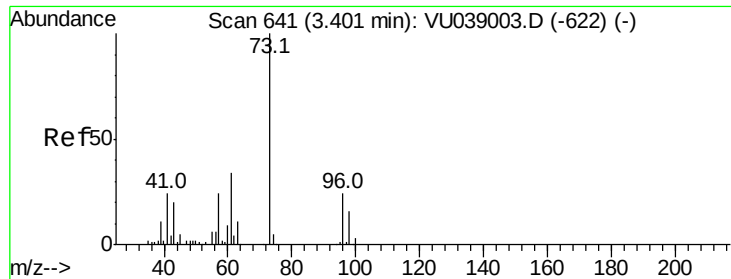
Tgt Ion: 43 Resp: 115292
Ion Ratio Lower Upper
43 100
74 22.6 18.0 27.0



#16
Methylene chloride
Concen: 8.977 ug/L
RT: 3.07 min Scan# 539
Delta R.T. -0.00 min
Lab File: VU039004.D
Acq: 22 Jun 2020 14:16

Tgt Ion: 84 Resp: 223764
Ion Ratio Lower Upper
84 100
86 61.7 43.1 80.1
49 130.5 90.9 168.9

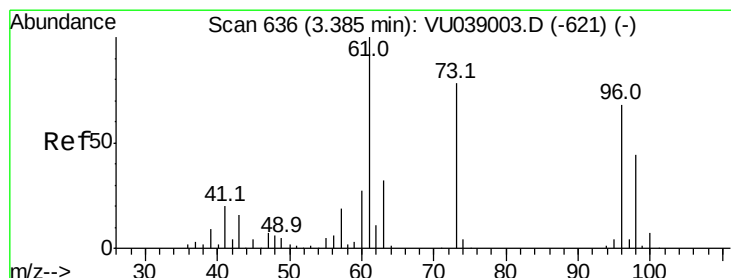
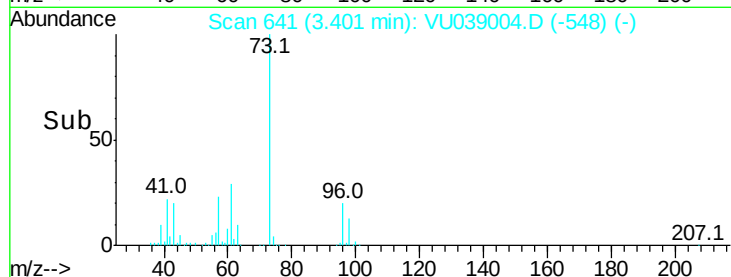
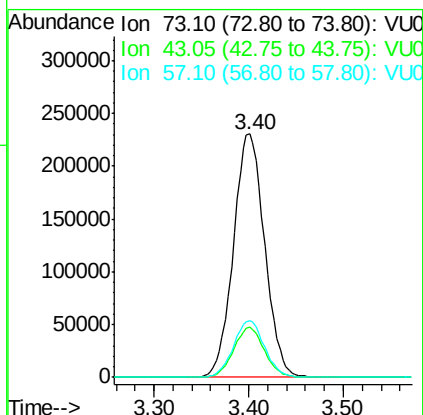
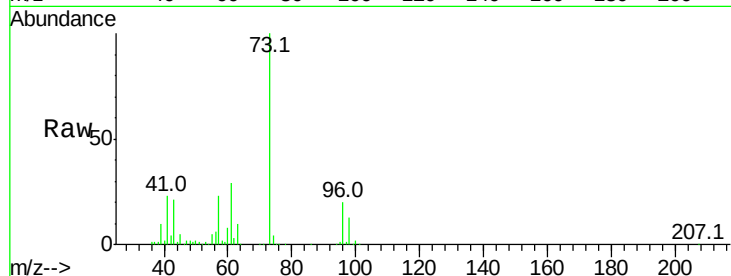




#17
Methyl tert-butyl Ether
Concen: 9.837 ug/L
RT: 3.40 min Scan# 641
Delta R.T. -0.00 min
Lab File: VU039004.D
Acq: 22 Jun 2020 14:16

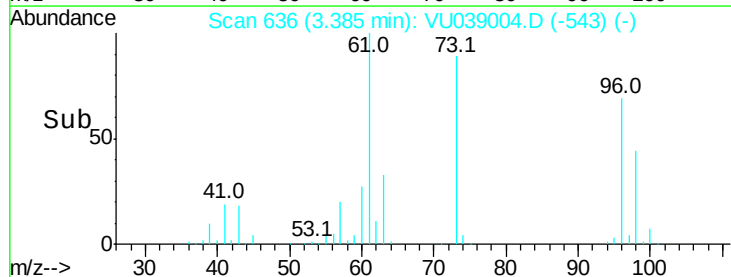
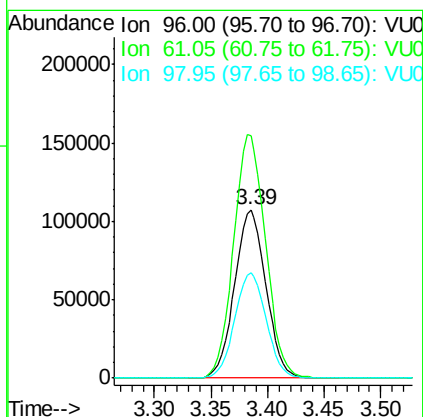
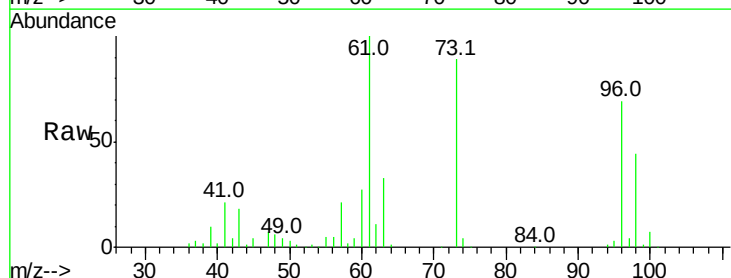
Instrument :
MSVOA_U
ClientSampleId :
VSTD01003

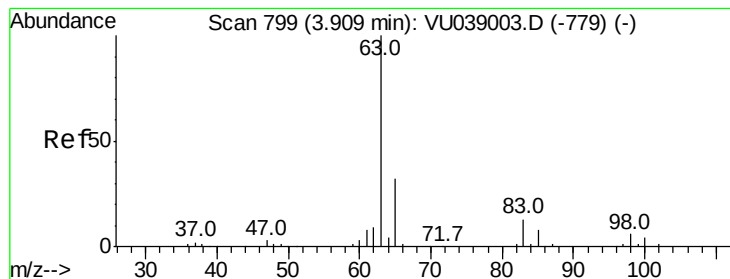
Tgt Ion: 73 Resp: 528319
Ion Ratio Lower Upper
73 100
43 20.0 16.7 25.1
57 23.3 18.8 28.2



#18
trans-1,2-Dichloroethene
Concen: 9.717 ug/L
RT: 3.39 min Scan# 636
Delta R.T. -0.00 min
Lab File: VU039004.D
Acq: 22 Jun 2020 14:16

Tgt Ion: 96 Resp: 208025
Ion Ratio Lower Upper
96 100
61 144.4 102.6 190.6
98 62.9 45.0 83.6





#19

1,1-Dichloroethane

Concen: 9.990 ug/L

RT: 3.91 min Scan# 799

Delta R.T. -0.00 min

Lab File: VU039004.D

Acq: 22 Jun 2020 14:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD01003

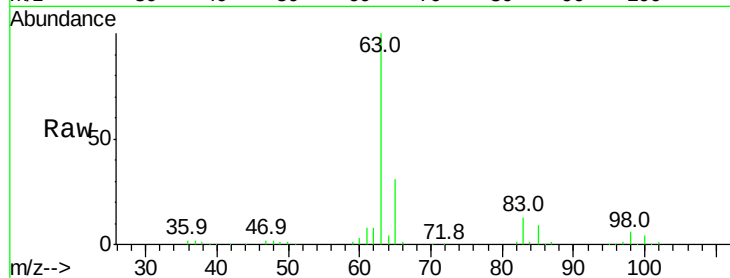
Tgt Ion: 63 Resp: 412950

Ion	Ratio	Lower	Upper
63	100		
65	31.0	22.5	41.7
83	13.0	9.2	17.2

63 100

65 31.0 22.5 41.7

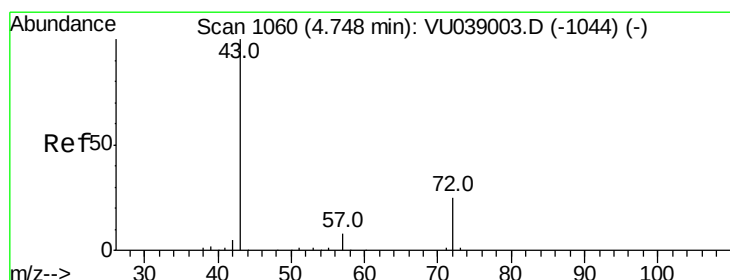
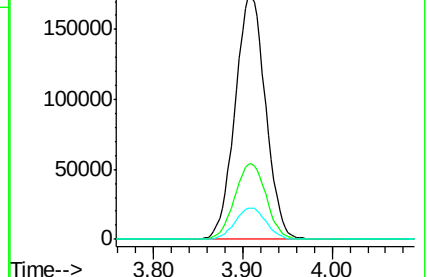
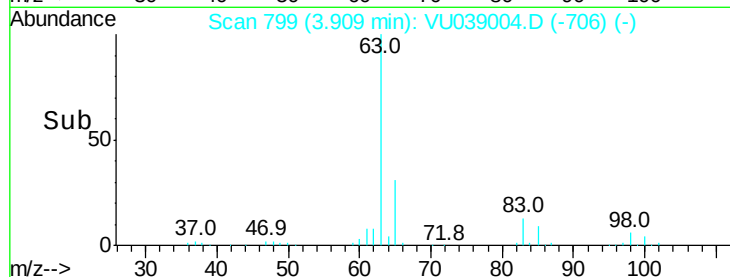
83 13.0 9.2 17.2



Abundance Ion 63.10 (62.80 to 63.80): VU039004.D (-706) (-)

Ion 65.10 (64.80 to 65.80): VU039004.D (-706) (-)

Ion 83.05 (82.75 to 83.75): VU039004.D (-706) (-)



#21

2-Butanone

Concen: 101.724 ug/L

RT: 4.75 min Scan# 1060

Delta R.T. -0.00 min

Lab File: VU039004.D

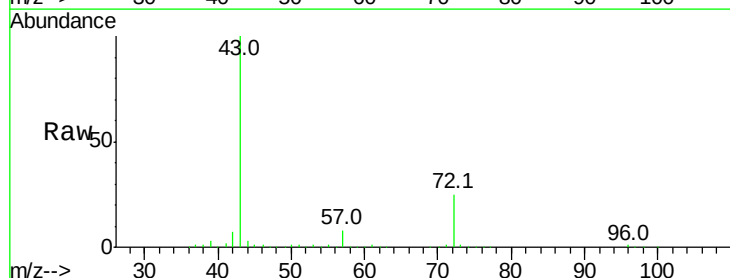
Acq: 22 Jun 2020 14:16

Tgt Ion: 43 Resp: 769104

Ion	Ratio	Lower	Upper
43	100		
72	26.1	13.1	39.3

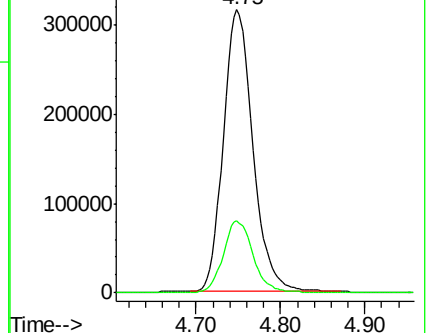
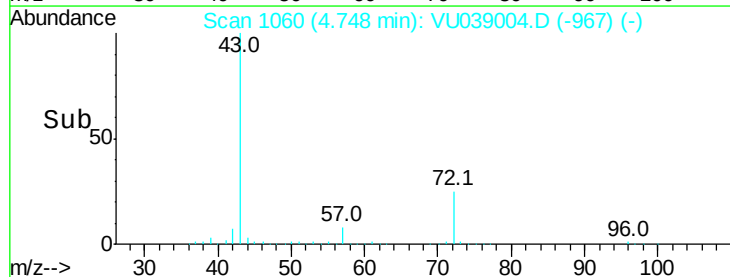
43 100

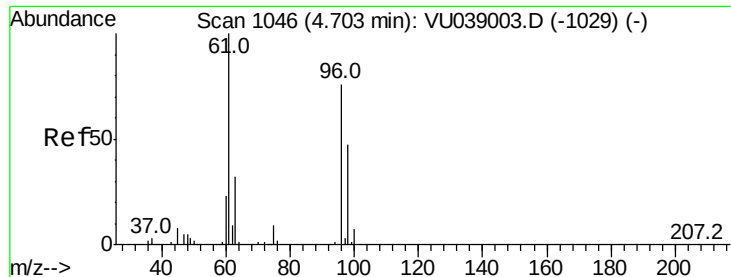
72 26.1 13.1 39.3



Abundance Ion 43.05 (42.75 to 43.75): VU039004.D (-967) (-)

Ion 72.10 (71.80 to 72.80): VU039004.D (-967) (-)





#22

cis-1,2-Dichloroethene

Concen: 10.038 ug/L

RT: 4.70 min Scan# 1046

Delta R.T. -0.00 min

Lab File: VU039004.D

Acq: 22 Jun 2020 14:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD01003

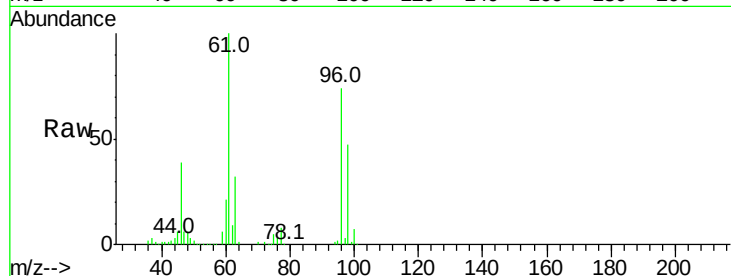
Tgt Ion: 96 Resp: 227820

Ion Ratio Lower Upper

96 100

61 135.9 92.0 170.8

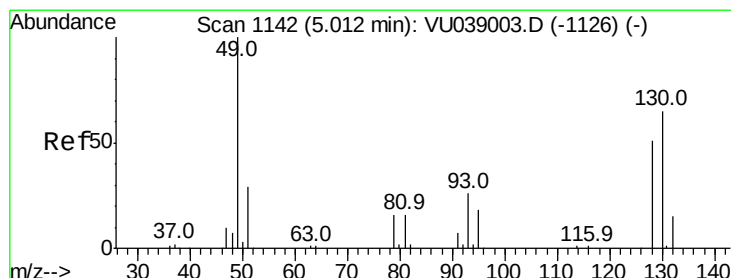
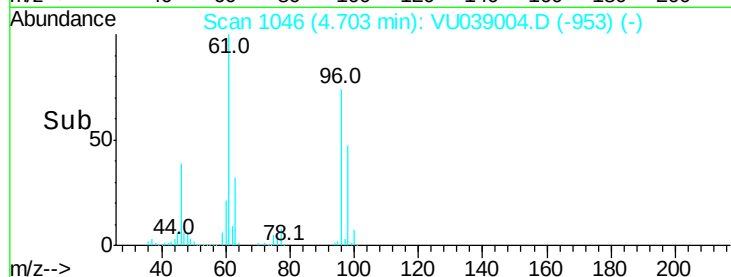
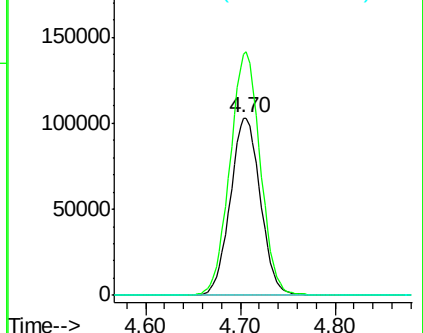
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039004.D (-953) (-)

Ion 61.05 (60.75 to 61.75): VU039004.D (-953) (-)

Ion 68.15 (67.85 to 68.85): VU039004.D (-953) (-)



#23

Bromochloromethane

Concen: 9.802 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU039004.D

Acq: 22 Jun 2020 14:16

Tgt Ion: 128 Resp: 101519

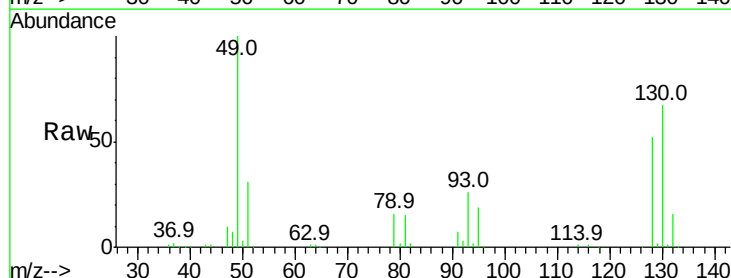
Ion Ratio Lower Upper

128 100

49 191.3 138.4 257.0

130 127.9 90.3 167.7

51 60.2 46.6 69.8

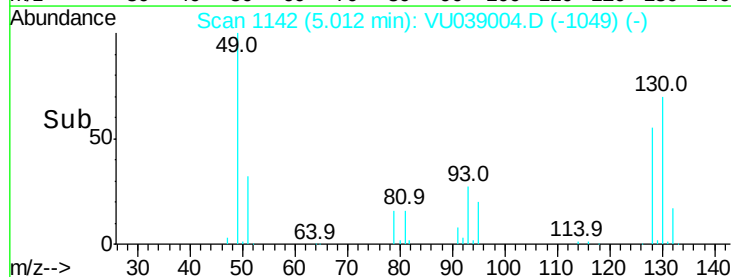
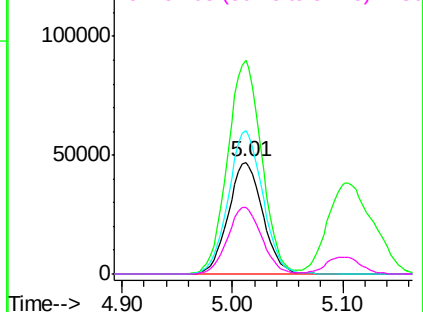


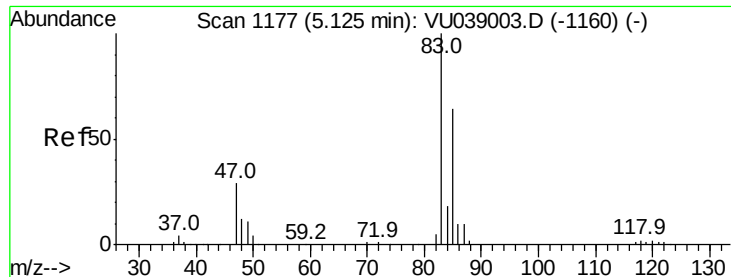
Abundance Ion 127.90 (127.60 to 128.60): VU039004.D (-1049) (-)

Ion 49.10 (48.80 to 49.80): VU039004.D (-1049) (-)

Ion 129.95 (129.65 to 130.65): VU039004.D (-1049) (-)

Ion 51.05 (50.75 to 51.75): VU039004.D (-1049) (-)

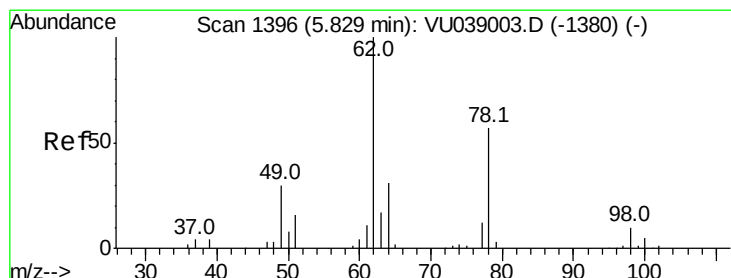
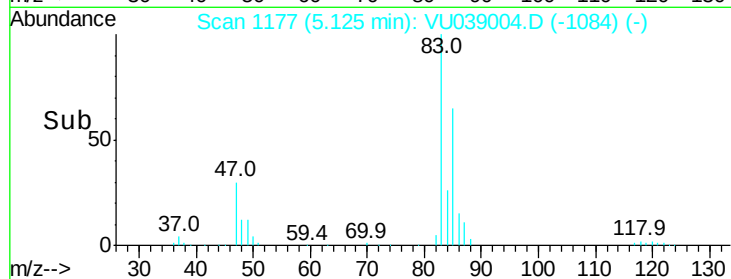
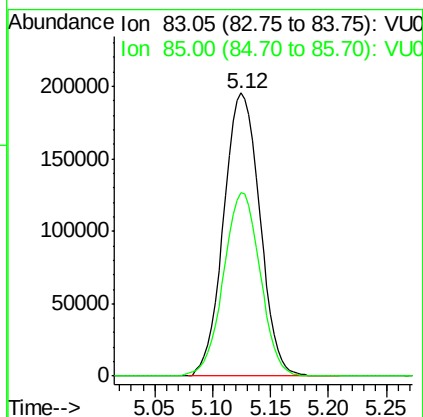
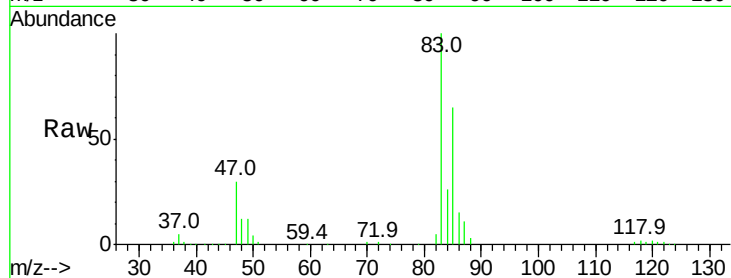




#25
Chloroform
Concen: 10.370 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VU039004.D
Acq: 22 Jun 2020 14:16

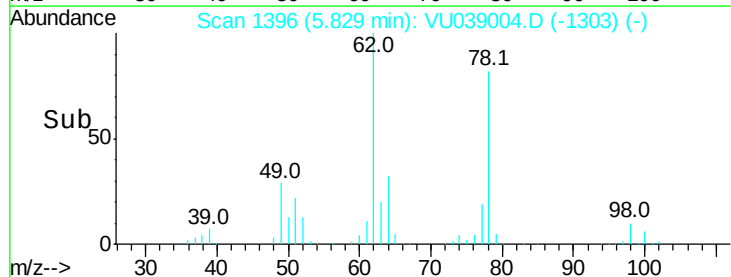
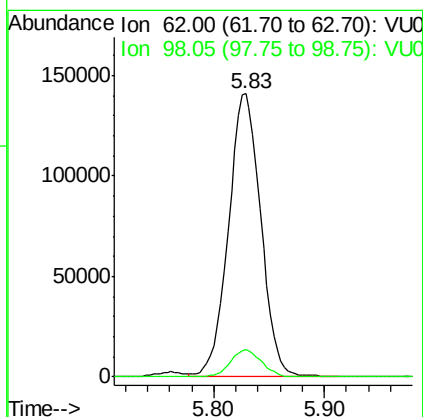
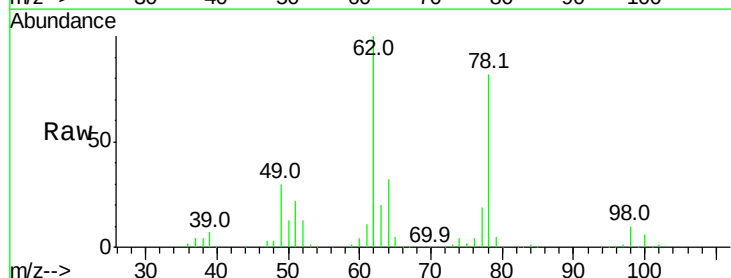
Instrument :
MSVOA_U
ClientSampleId :
VSTD01003

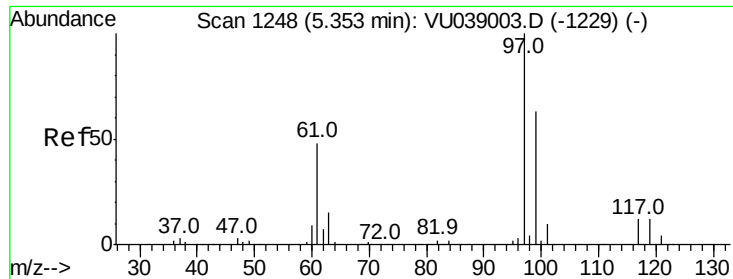
Tgt Ion: 83 Resp: 422700
Ion Ratio Lower Upper
83 100
85 64.9 44.9 83.5



#27
1,2-Dichloroethane
Concen: 9.703 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU039004.D
Acq: 22 Jun 2020 14:16

Tgt Ion: 62 Resp: 285201
Ion Ratio Lower Upper
62 100
98 9.6 7.8 11.8

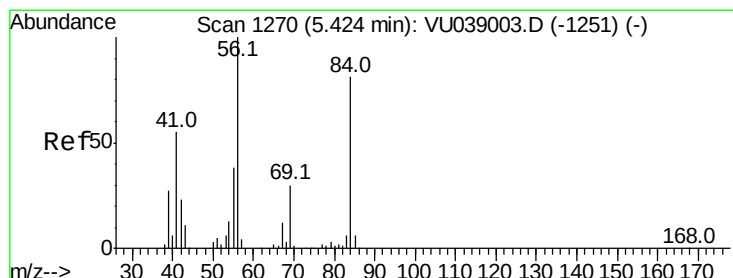
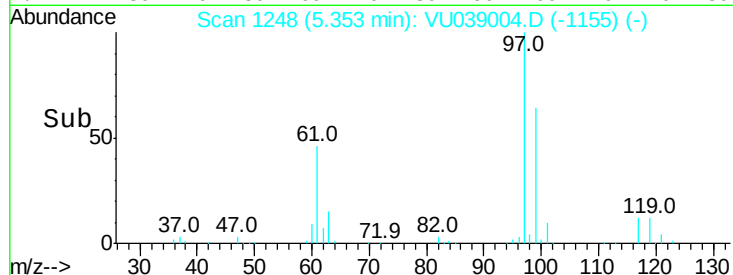
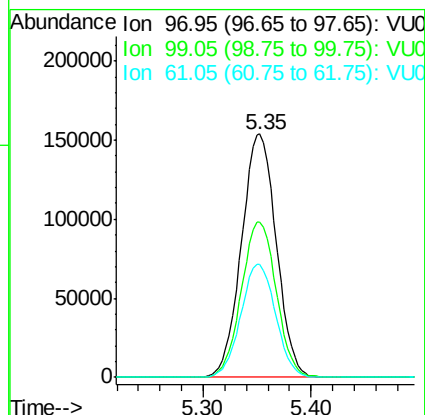
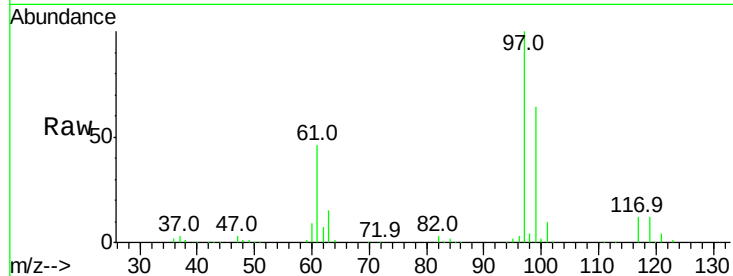




#29
 1,1,1-Trichloroethane
 Concen: 9.859 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VU039004.D
 Acq: 22 Jun 2020 14:16

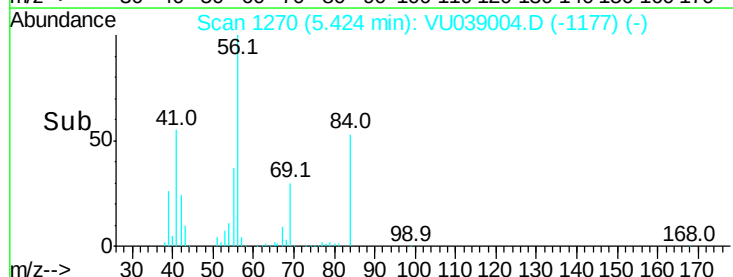
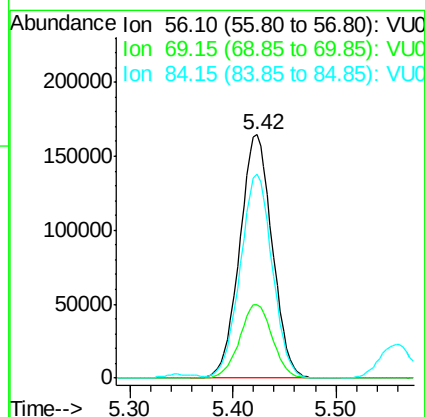
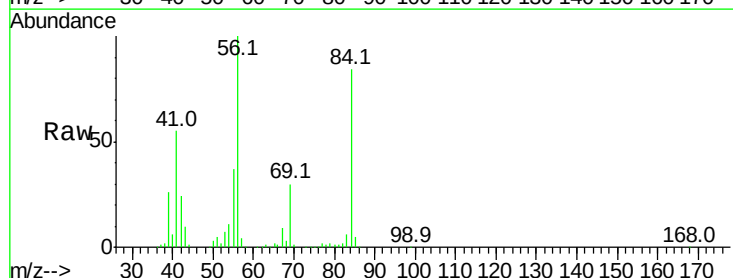
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01003

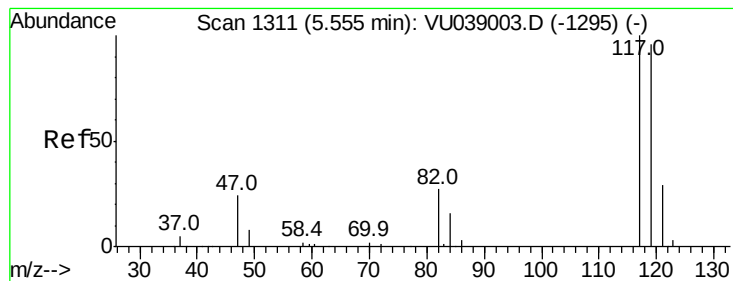
Tgt Ion: 97 Resp: 345677
 Ion Ratio Lower Upper
 97 100
 99 64.2 51.7 77.5
 61 46.6 38.2 57.4



#30
 Cyclohexane
 Concen: 10.402 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VU039004.D
 Acq: 22 Jun 2020 14:16

Tgt Ion: 56 Resp: 360497
 Ion Ratio Lower Upper
 56 100
 69 30.3 23.5 35.3
 84 82.7 67.1 100.7





#31

Carbon tetrachloride

Concen: 9.673 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU039004.D

Acq: 22 Jun 2020 14:16

Instrument :

MSVOA_U

ClientSampleId :

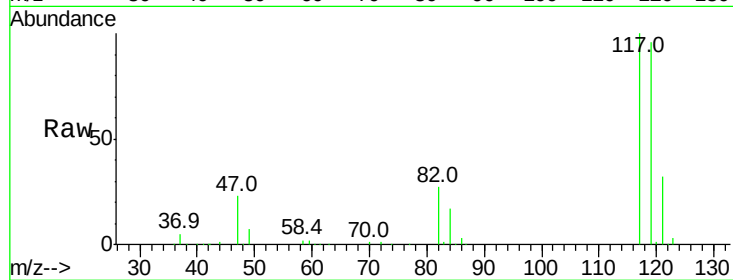
VSTD01003

Tgt Ion:117 Resp: 285074

Ion Ratio Lower Upper

117 100

119 95.6 76.6 114.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.56

150000

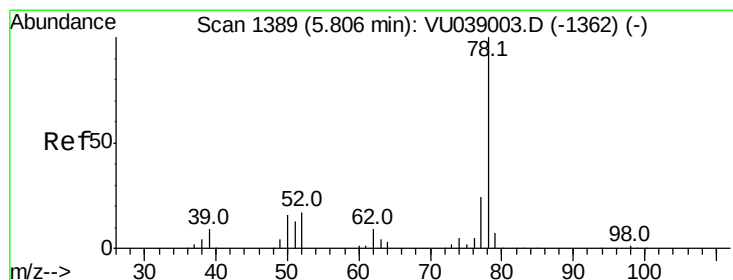
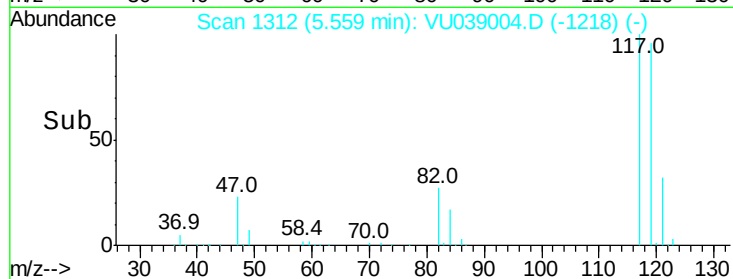
100000

50000

0

Time-->

5.45 5.50 5.55 5.60 5.65



#33

Benzene

Concen: 10.013 ug/L

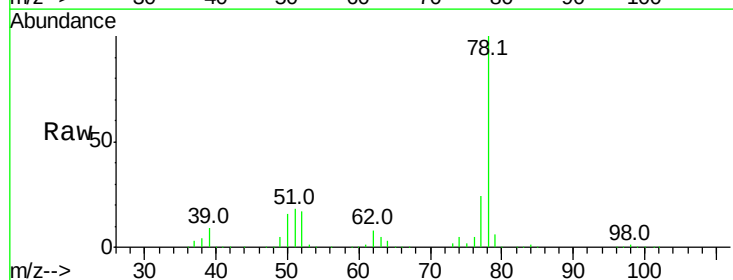
RT: 5.81 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VU039004.D

Acq: 22 Jun 2020 14:16

Tgt Ion: 78 Resp: 886936



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.81

500000

400000

300000

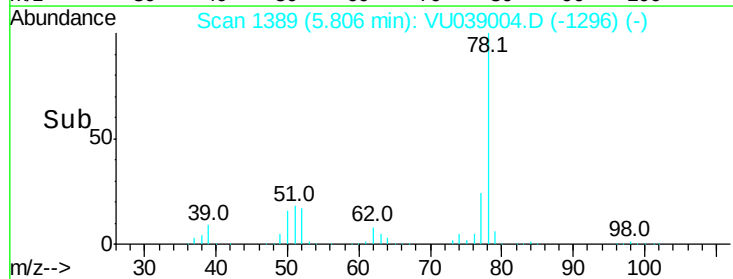
200000

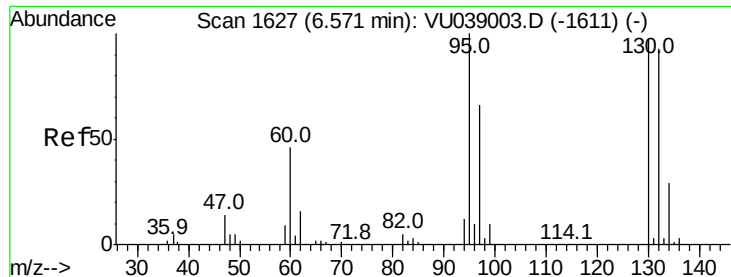
100000

0

Time-->

5.70 5.80 5.90

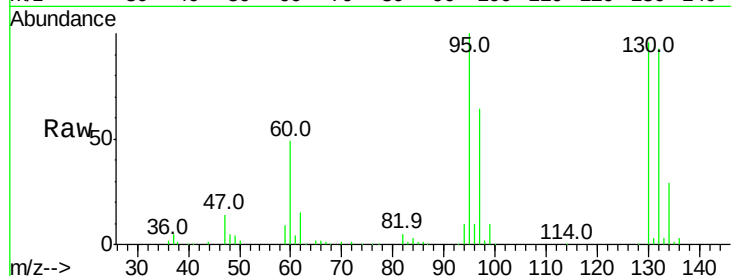




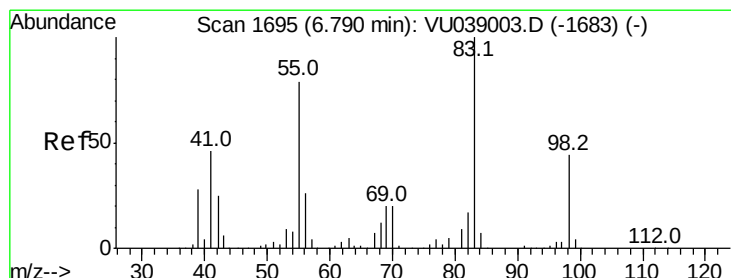
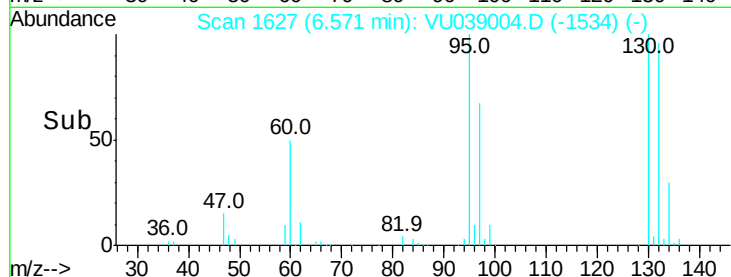
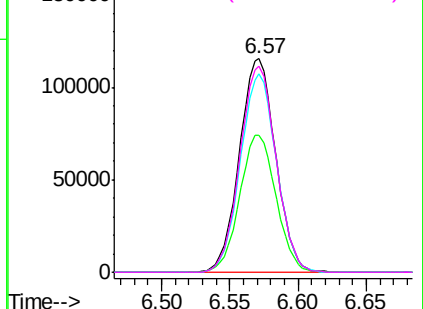
#34
 Trichloroethene
 Concen: 9.630 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VU039004.D
 Acq: 22 Jun 2020 14:16

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01003

Tgt Ion:	95	Resp:	213191
Ion	Ratio	Lower	Upper
95	100		
97	64.3	46.0	85.4
132	92.6	65.0	120.6
130	96.5	68.0	126.2

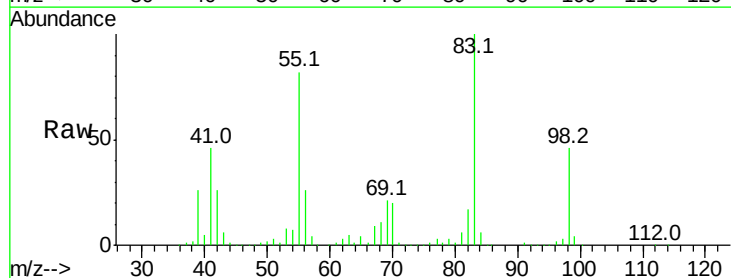


Abundance Ion 95.00 (94.70 to 95.70): VU039004.D (-1611) (-)
 Ion 96.95 (96.65 to 97.65): VU039004.D (-1611) (-)
 Ion 131.95 (131.65 to 132.65): VU039004.D (-1611) (-)
 Ion 129.95 (129.65 to 130.65): VU039004.D (-1611) (-)

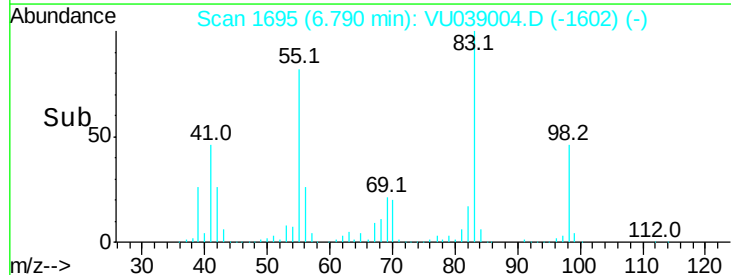
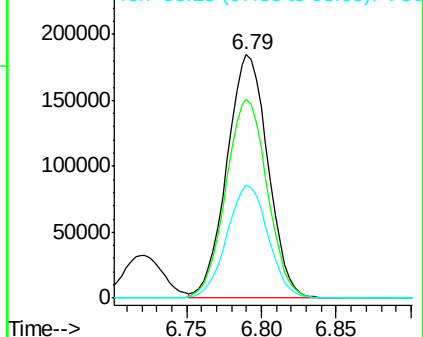


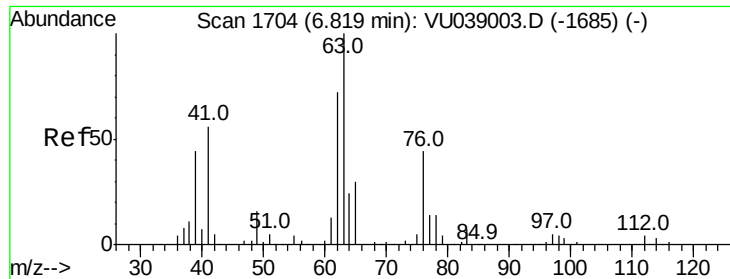
#35
 Methylcyclohexane
 Concen: 10.328 ug/L
 RT: 6.79 min Scan# 1695
 Delta R.T. -0.00 min
 Lab File: VU039004.D
 Acq: 22 Jun 2020 14:16

Tgt Ion:	83	Resp:	352541
Ion	Ratio	Lower	Upper
83	100		
55	82.3	65.1	97.7
98	46.7	37.0	55.4



Abundance Ion 83.15 (82.85 to 83.85): VU039004.D (-1683) (-)
 Ion 55.10 (54.80 to 55.80): VU039004.D (-1683) (-)
 Ion 98.15 (97.85 to 98.85): VU039004.D (-1683) (-)

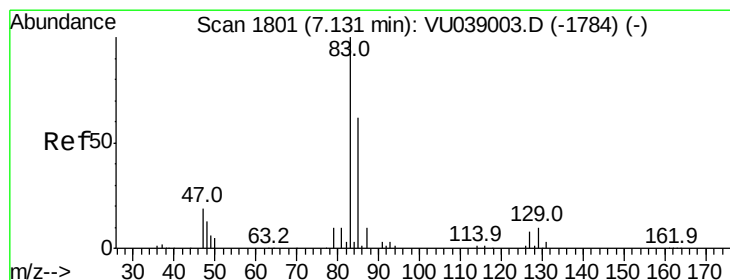
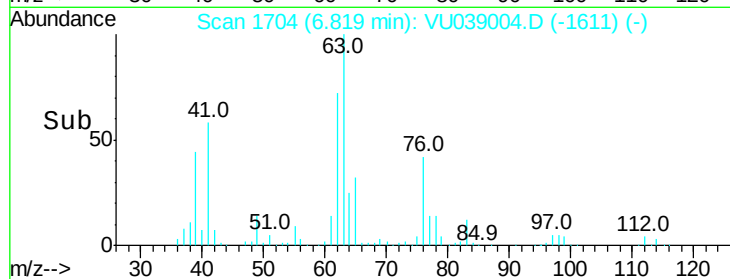
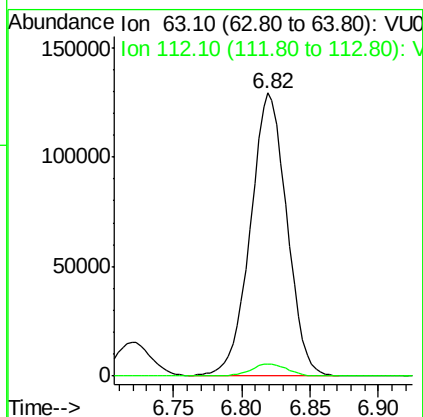
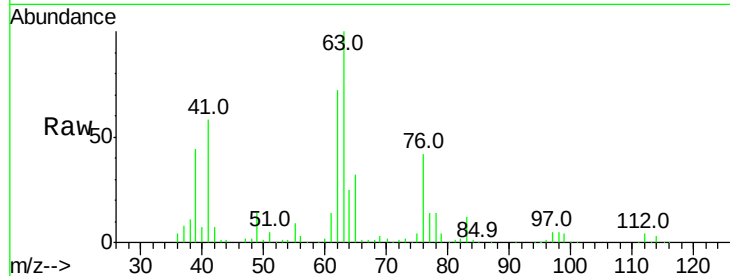




#37
 1,2-Dichloropropane
 Concen: 9.989 ug/L
 RT: 6.82 min Scan# 1704
 Delta R.T. -0.00 min
 Lab File: VU039004.D
 Acq: 22 Jun 2020 14:16

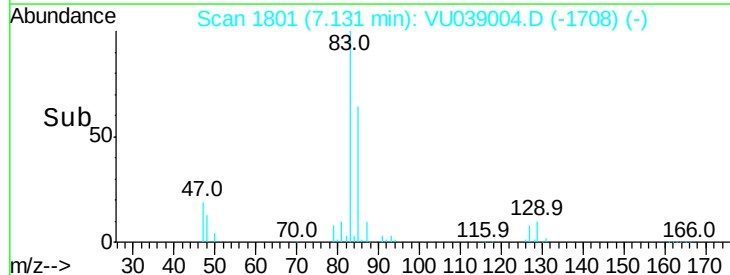
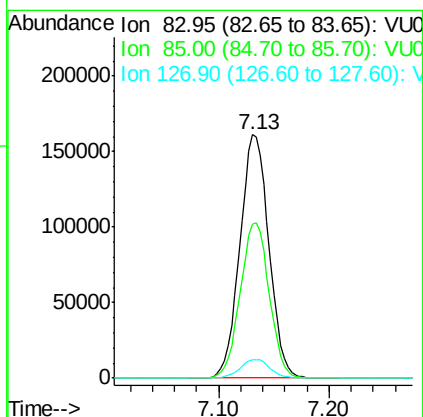
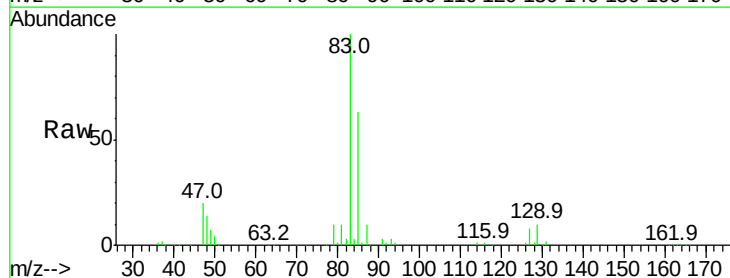
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01003

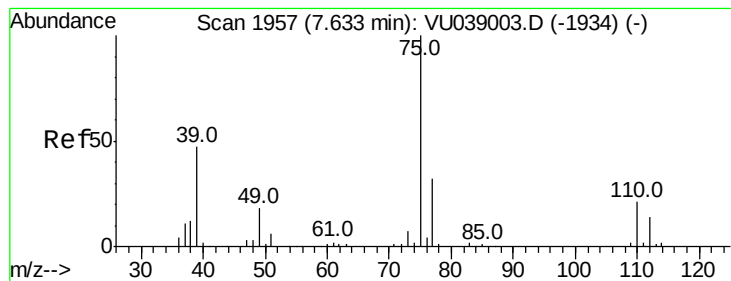
Tgt Ion: 63 Resp: 238637
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.4 5.2



#38
 Bromodichloromethane
 Concen: 9.432 ug/L
 RT: 7.13 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VU039004.D
 Acq: 22 Jun 2020 14:16

Tgt Ion: 83 Resp: 293040
 Ion Ratio Lower Upper
 83 100
 85 63.2 43.6 81.0
 127 7.6 6.1 9.1



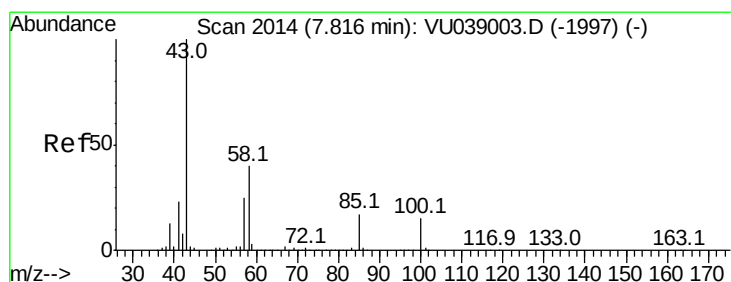
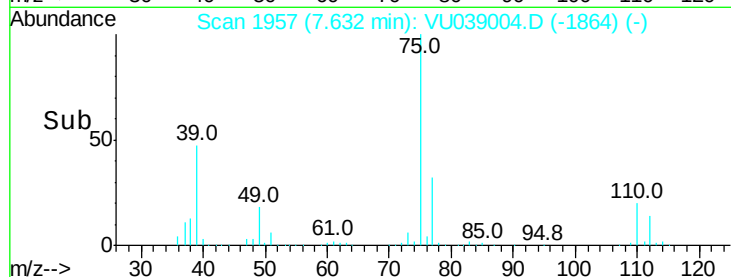
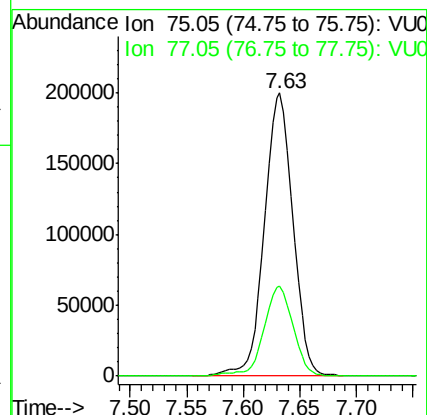
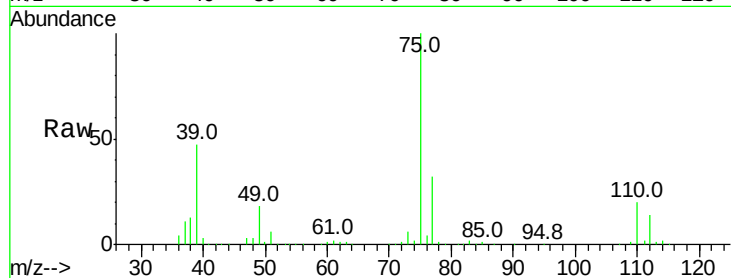


#39

cis-1,3-Dichloropropene
Concen: 9.306 ug/L
RT: 7.63 min Scan# 1957
Delta R.T. -0.00 min
Lab File: VU039004.D
Acq: 22 Jun 2020 14:16

Instrument :
MSVOA_U
ClientSampleId :
VSTD01003

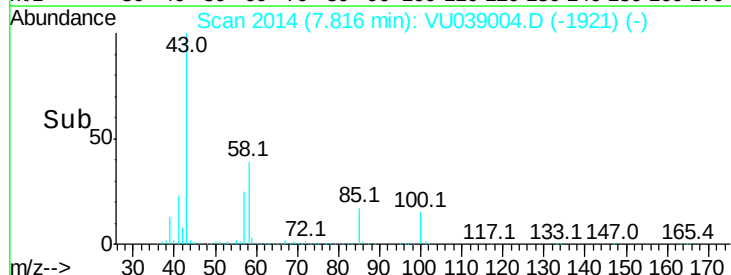
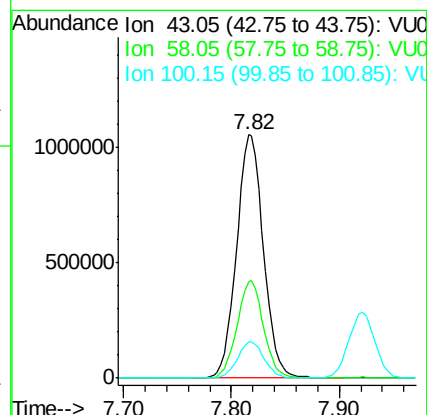
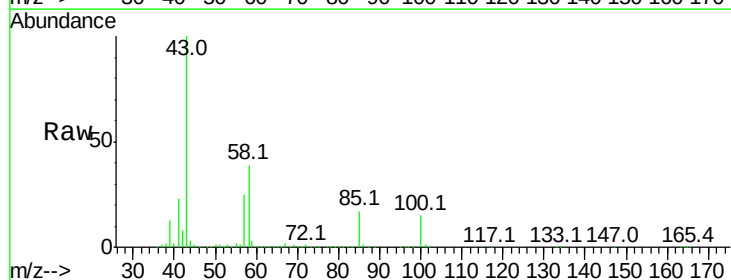
Tgt Ion: 75 Resp: 351322
Ion Ratio Lower Upper
75 100
77 31.8 22.0 41.0

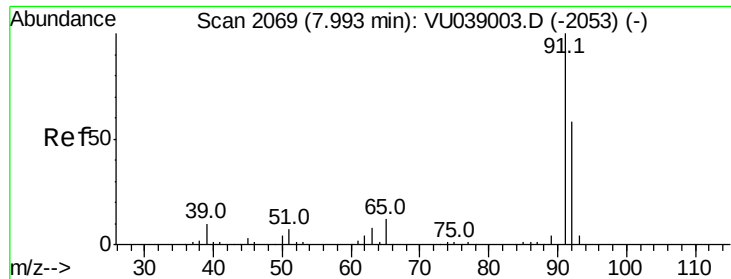


#40

4-Methyl-2-pentanone
Concen: 90.410 ug/L
RT: 7.82 min Scan# 1414
Delta R.T. -0.00 min
Lab File: VU039004.D
Acq: 22 Jun 2020 14:16

Tgt Ion: 43 Resp: 1831159
Ion Ratio Lower Upper
43 100
58 39.5 31.4 47.0
100 14.9 11.6 17.4





#42

Toluene

Concen: 9.210 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU039004.D

Acq: 22 Jun 2020 14:16

Instrument :

MSVOA_U

ClientSampleId :

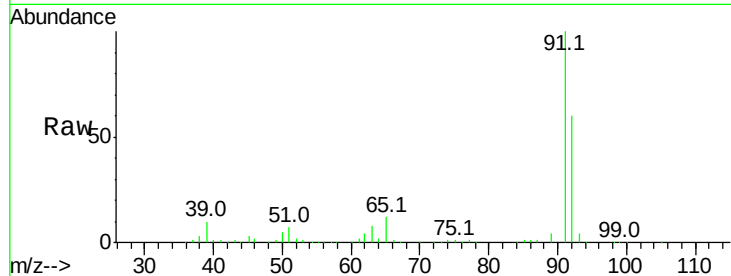
VSTD01003

Tgt Ion: 91 Resp: 911721

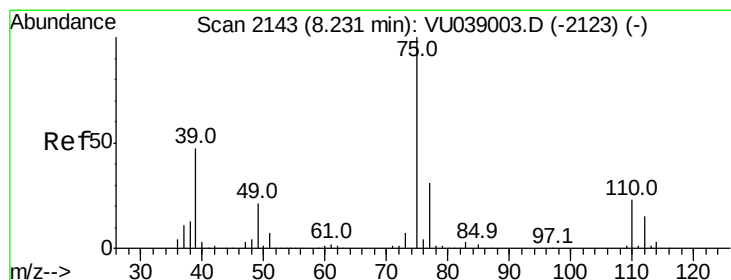
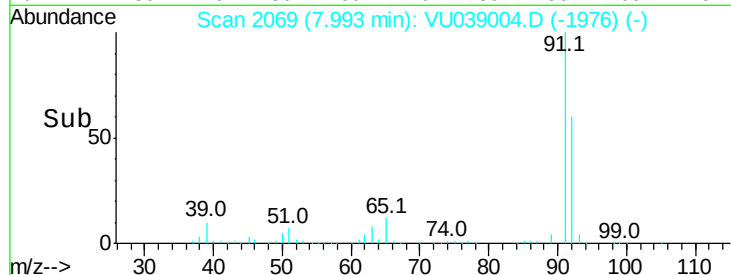
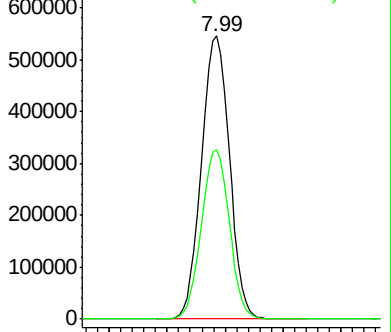
Ion Ratio Lower Upper

91 100

92 60.0 40.9 76.0



Abundance Ion 91.15 (90.85 to 91.85): VU039004.D (-2053) (-)



#44

trans-1,3-Dichloropropene

Concen: 9.604 ug/L

RT: 8.23 min Scan# 2143

Delta R.T. -0.00 min

Lab File: VU039004.D

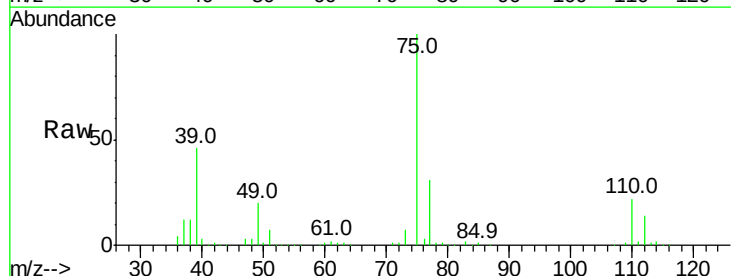
Acq: 22 Jun 2020 14:16

Tgt Ion: 75 Resp: 317549

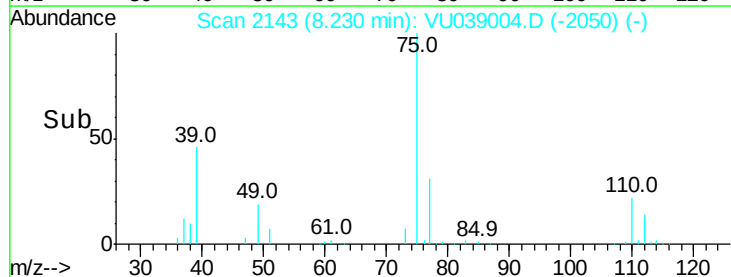
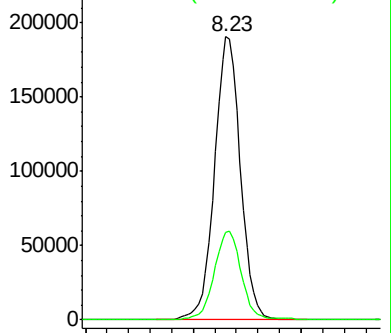
Ion Ratio Lower Upper

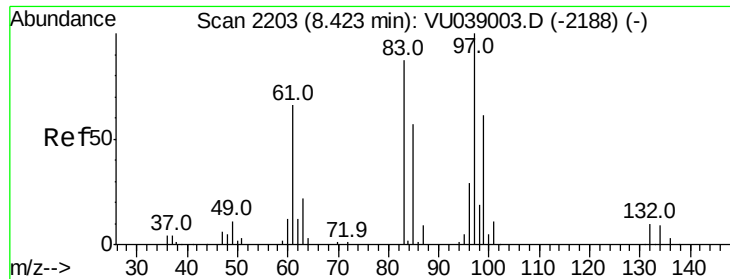
75 100

77 31.1 21.8 40.6



Abundance Ion 75.05 (74.75 to 75.35): VU039004.D (-2050) (-)

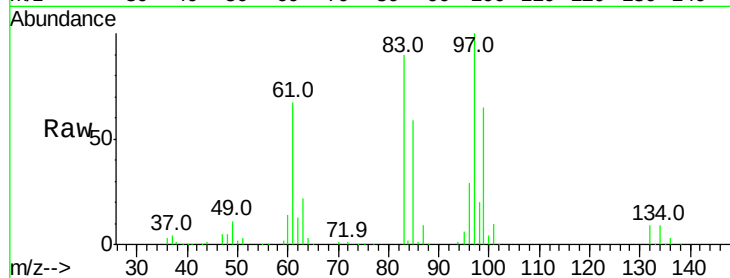




#45
 1,1,2-Trichloroethane
 Concen: 9.085 ug/L
 RT: 8.42 min Scan# 2203
 Delta R.T. -0.00 min
 Lab File: VU039004.D
 Acq: 22 Jun 2020 14:16

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01003

Tgt Ion:	97	Resp:	171430
Ion	Ratio	Lower	Upper
97	100		
99	64.9	42.8	79.4
83	89.9	60.9	113.1
85	58.8	40.2	74.6



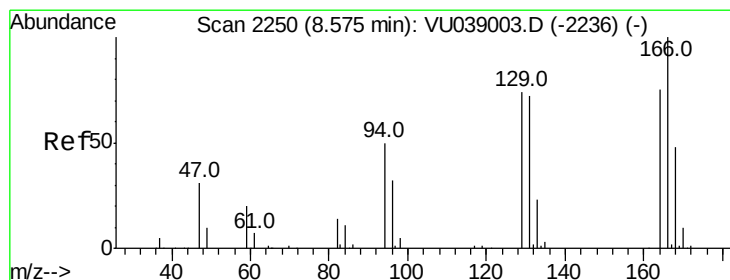
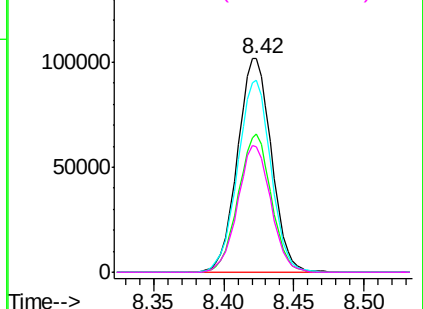
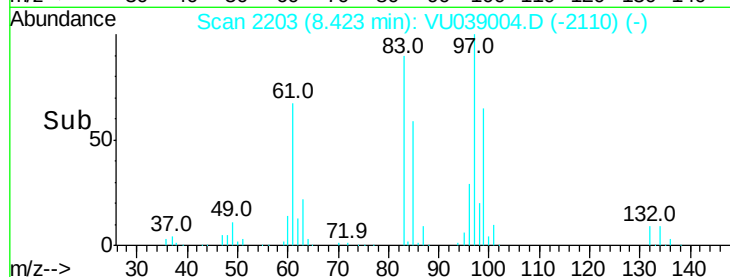
Abundance

Ion 96.95 (96.65 to 97.65): VU039004.D (-2110) (-)

Ion 99.05 (98.75 to 99.75): VU039004.D (-2110) (-)

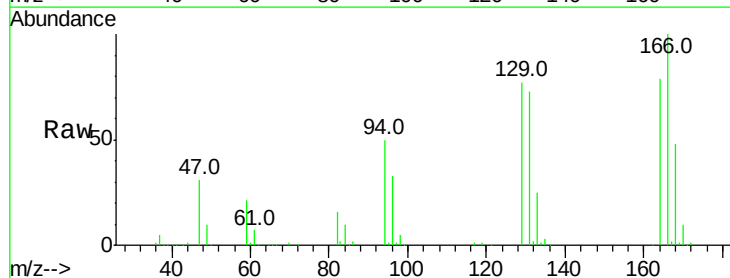
Ion 82.95 (82.65 to 83.65): VU039004.D (-2110) (-)

Ion 85.00 (84.70 to 85.70): VU039004.D (-2110) (-)



#47
 Tetrachloroethene
 Concen: 9.085 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. -0.00 min
 Lab File: VU039004.D
 Acq: 22 Jun 2020 14:16

Tgt Ion:	164	Resp:	152992
Ion	Ratio	Lower	Upper
164	100		
129	97.8	69.2	128.6
131	93.2	66.9	124.3
166	127.2	93.0	172.8



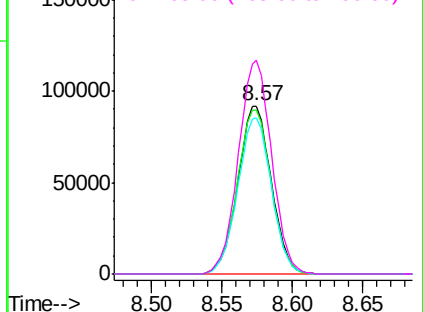
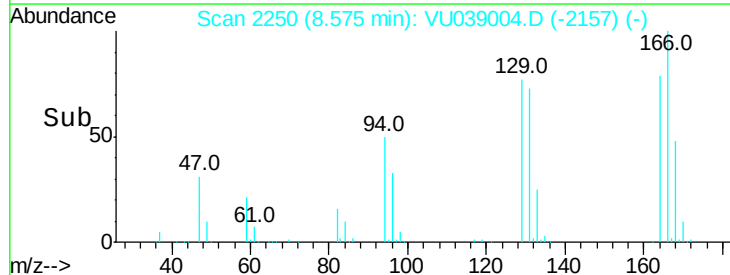
Abundance

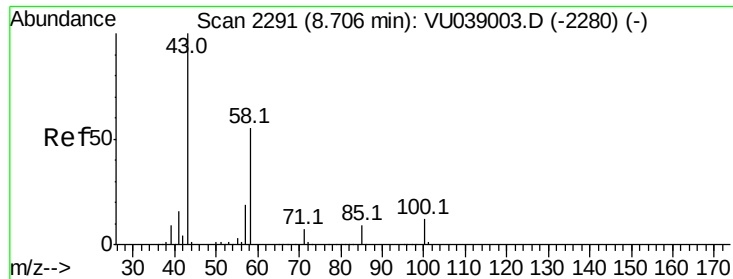
Ion 163.90 (163.60 to 164.60): VU039004.D (-2157) (-)

Ion 128.95 (128.65 to 129.65): VU039004.D (-2157) (-)

Ion 130.95 (130.65 to 131.65): VU039004.D (-2157) (-)

Ion 165.90 (165.60 to 166.60): VU039004.D (-2157) (-)



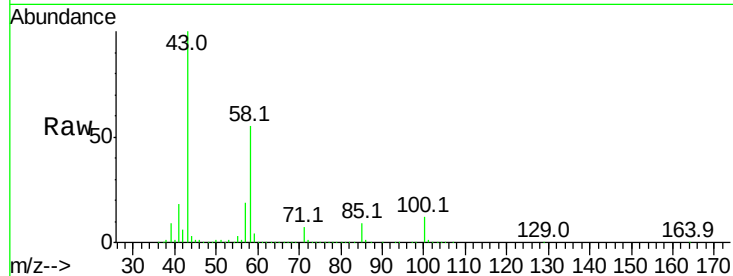


#48
2-Hexanone
Concen: 102.048 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU039004.D
Acq: 22 Jun 2020 14:16

Instrument :
MSVOA_U
ClientSampleId :
VSTD01003

Tgt Ion: 43 Resp: 1384668

Ion	Ratio	Lower	Upper
43	100		
58	55.1	43.5	65.3
57	19.3	15.0	22.4
100	11.8	9.4	14.2

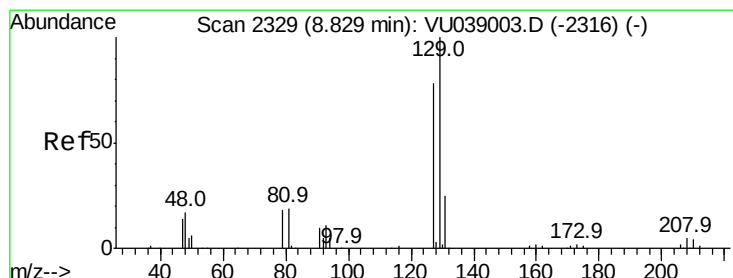
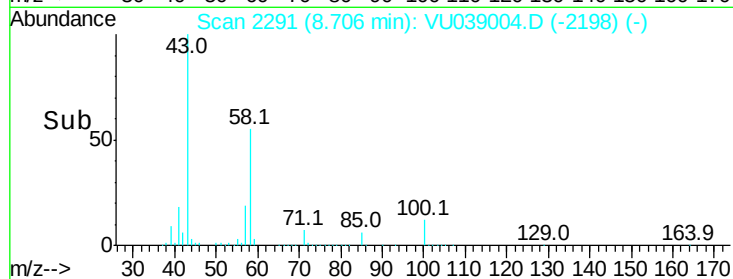
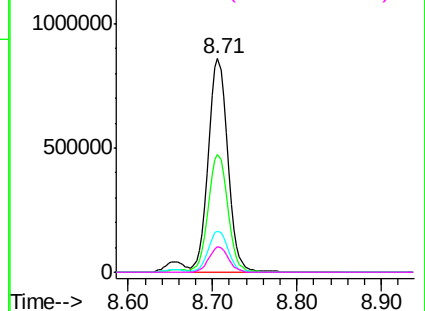


Abundance Ion 43.05 (42.75 to 43.75): VU039004.D (-2280) (-)

Ion 58.05 (57.75 to 58.75): VU039004.D (-2280) (-)

Ion 57.20 (56.90 to 57.90): VU039004.D (-2280) (-)

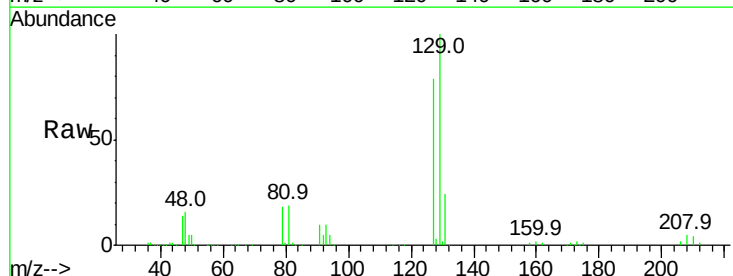
Ion 100.15 (99.85 to 100.85): VU039004.D (-2280) (-)



#49
Dibromochloromethane
Concen: 9.494 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU039004.D
Acq: 22 Jun 2020 14:16

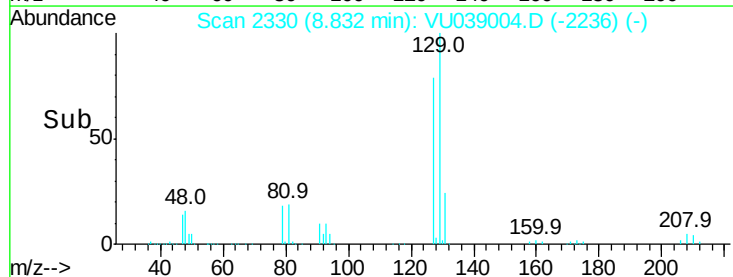
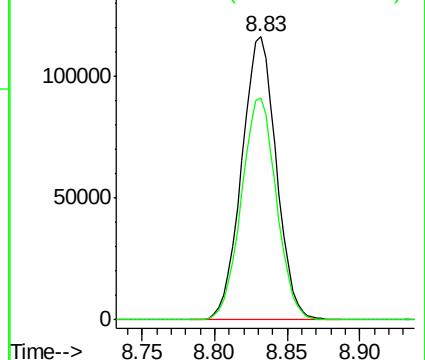
Tgt Ion: 129 Resp: 193484

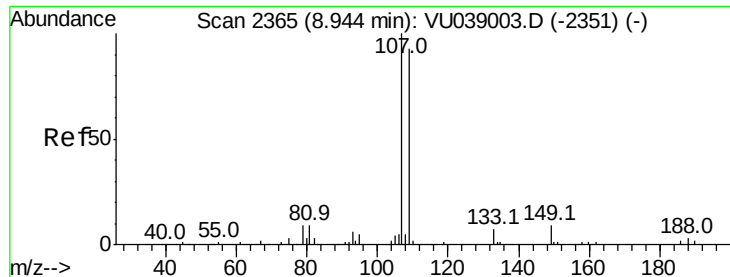
Ion	Ratio	Lower	Upper
129	100		
127	78.6	54.7	101.5



Abundance Ion 128.95 (128.65 to 129.65): VU039004.D (-2330) (-)

Ion 126.90 (126.60 to 127.60): VU039004.D (-2330) (-)

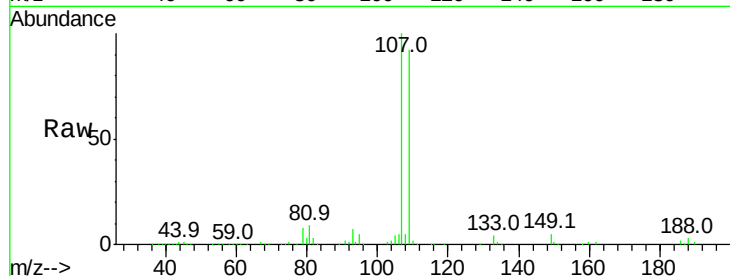




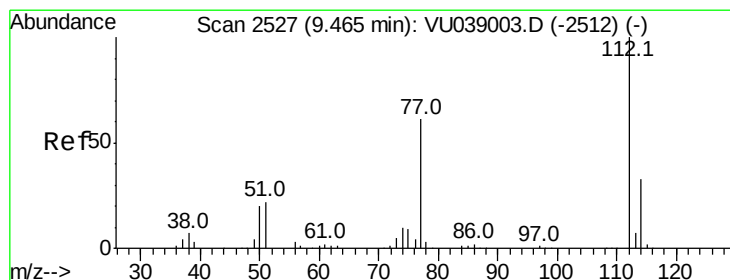
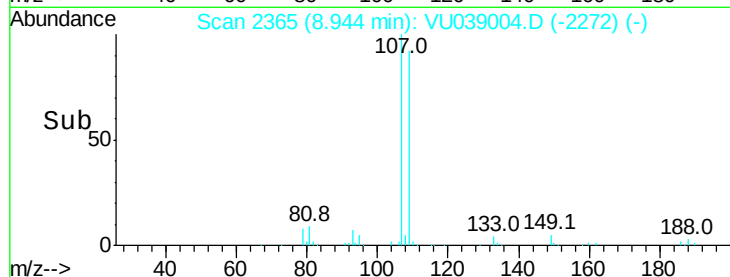
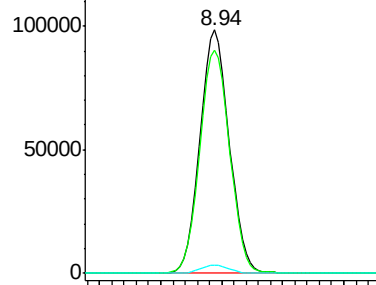
#50
1,2-Dibromoethane
Concen: 9.433 ug/L
RT: 8.94 min Scan# 2365
Delta R.T. -0.00 min
Lab File: VU039004.D
Acq: 22 Jun 2020 14:16

Instrument :
MSVOA_U
ClientSampleId :
VSTD01003

Tgt Ion:107 Resp: 165148
Ion Ratio Lower Upper
107 100
109 91.7 65.0 120.6
188 3.4 2.2 3.2#

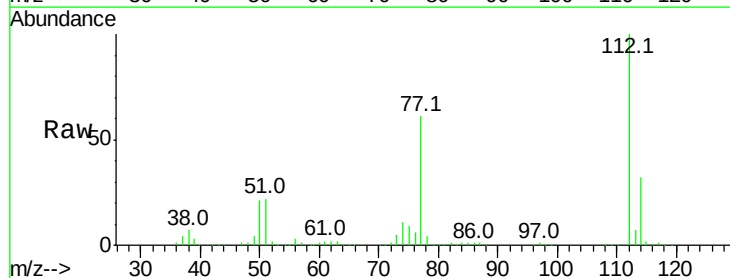


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

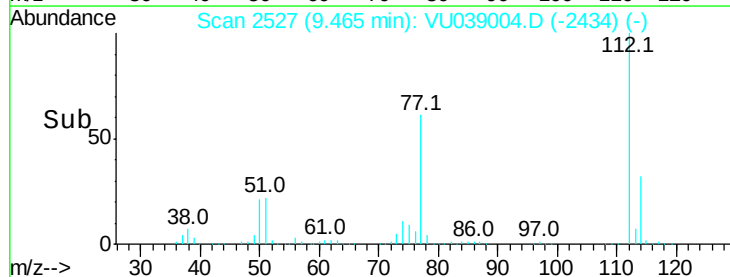
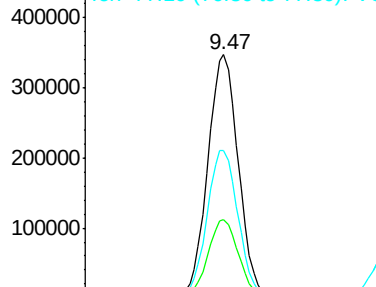


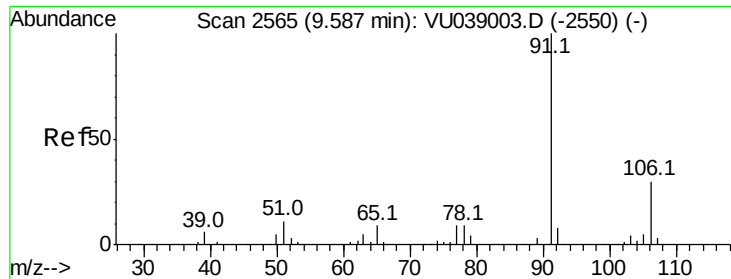
#51
Chlorobenzene
Concen: 9.684 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. -0.00 min
Lab File: VU039004.D
Acq: 22 Jun 2020 14:16

Tgt Ion:112 Resp: 558537
Ion Ratio Lower Upper
112 100
114 32.2 23.0 42.8
77 60.9 49.2 73.8



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: 9.923 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU039004.D

Acq: 22 Jun 2020 14:16

Instrument :

MSVOA_U

ClientSampleId :

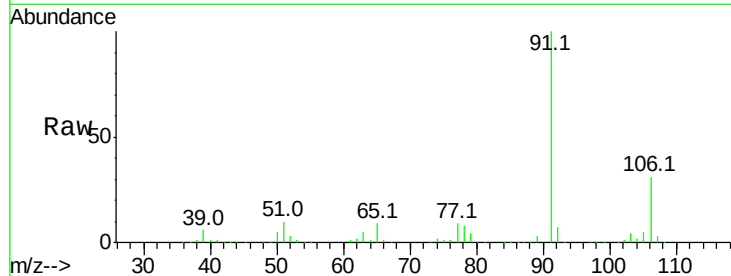
VSTD01003

Tgt Ion: 91 Resp: 985006

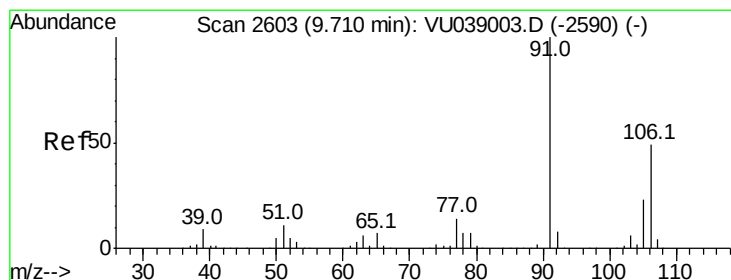
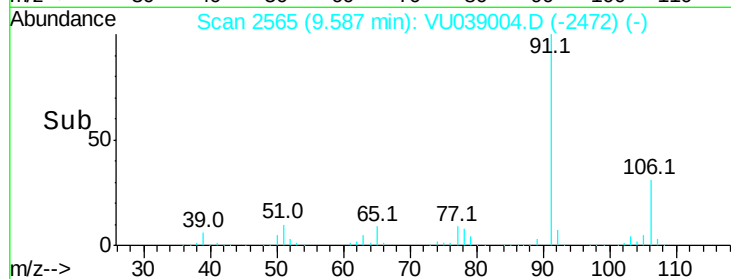
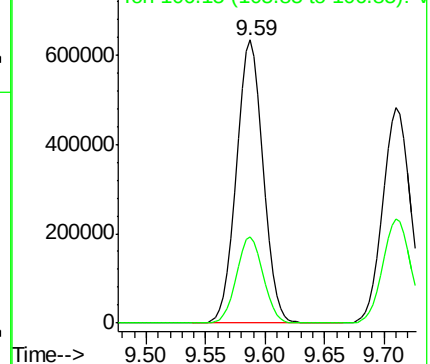
Ion Ratio Lower Upper

91 100

106 30.6 21.1 39.3



Abundance Ion 91.15 (90.85 to 91.85): VU039003.D (-2550) (-)



#53

m,p-Xylene

Concen: 10.182 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VU039004.D

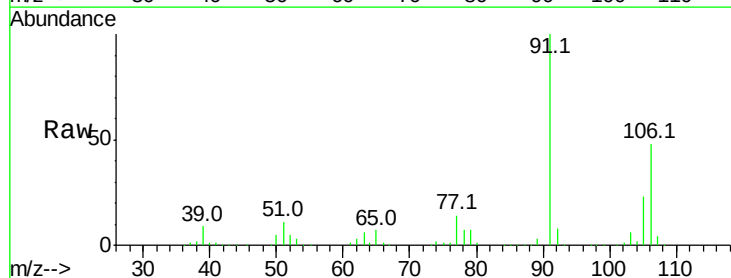
Acq: 22 Jun 2020 14:16

Tgt Ion: 106 Resp: 380245

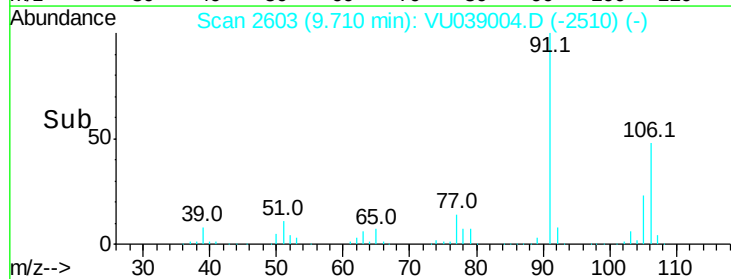
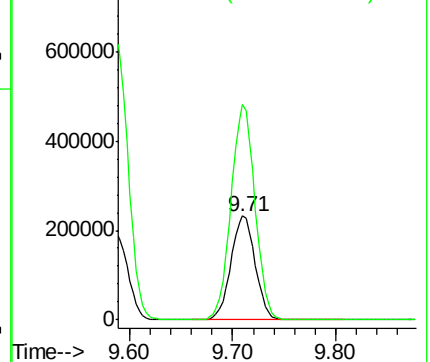
Ion Ratio Lower Upper

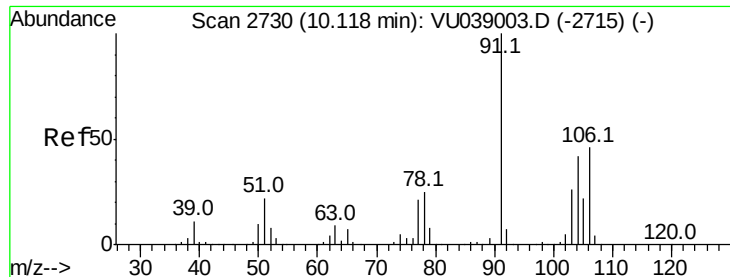
106 100

91 206.8 144.4 268.2



Abundance Ion 106.15 (105.85 to 106.85): VU039003.D (-2590) (-)





#54

o-Xylene

Concen: 10.102 ug/L

RT: 10.12 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VU039004.D

Acq: 22 Jun 2020 14:16

Instrument :

MSVOA_U

ClientSampleId :

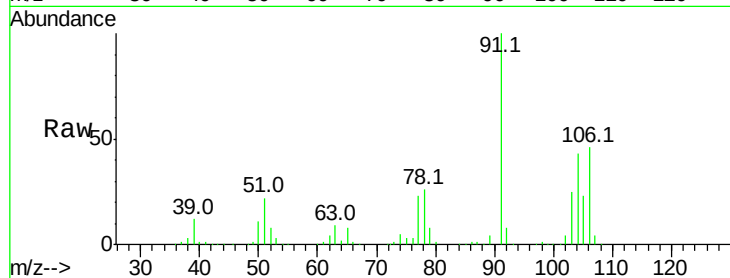
VSTD01003

Tgt Ion:106 Resp: 366077

Ion Ratio Lower Upper

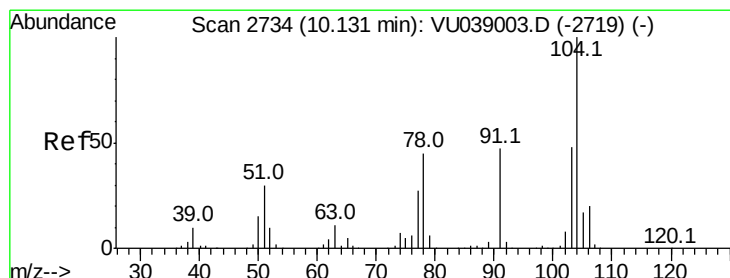
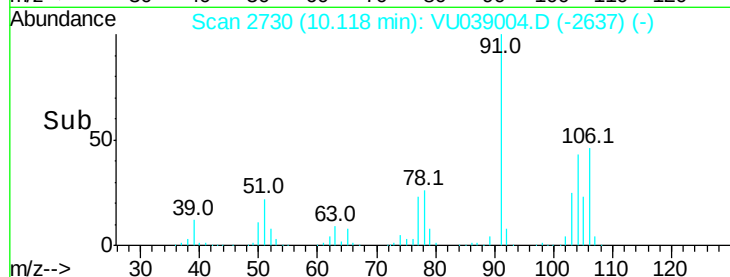
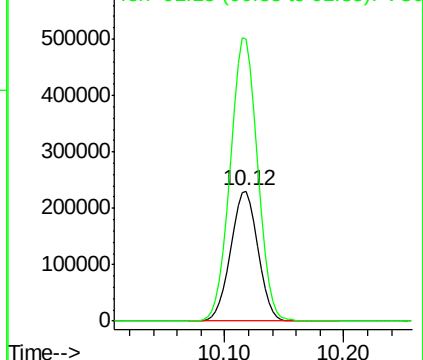
106 100

91 217.0 153.3 284.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 10.540 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VU039004.D

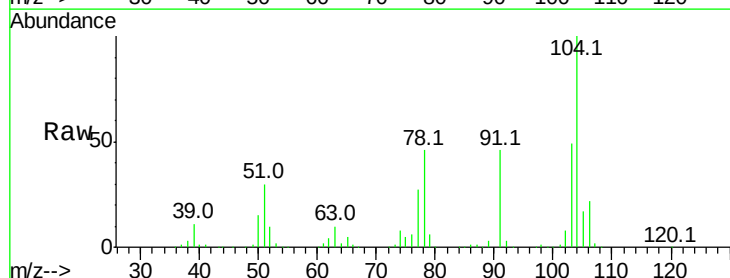
Acq: 22 Jun 2020 14:16

Tgt Ion:104 Resp: 655660

Ion Ratio Lower Upper

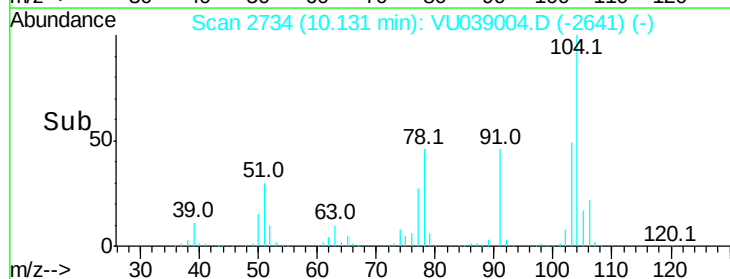
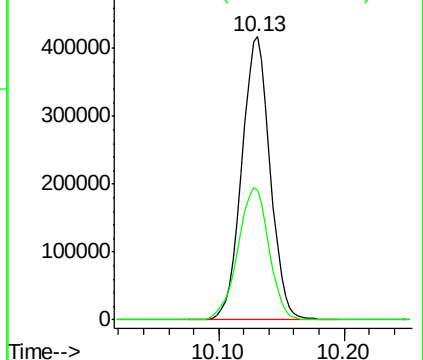
104 100

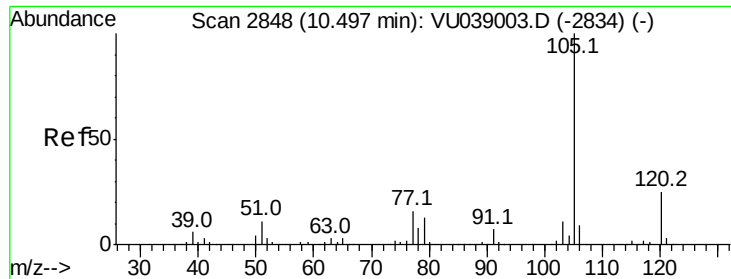
78 45.9 31.9 59.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 10.281 ug/L

RT: 10.50 min Scan# 2848

Delta R.T. -0.00 min

Lab File: VU039004.D

Acq: 22 Jun 2020 14:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD01003

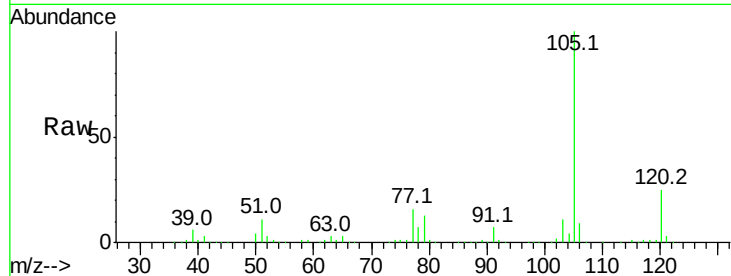
Tgt Ion:105 Resp: 965378

Ion Ratio Lower Upper

105 100

120 25.3 20.1 30.1

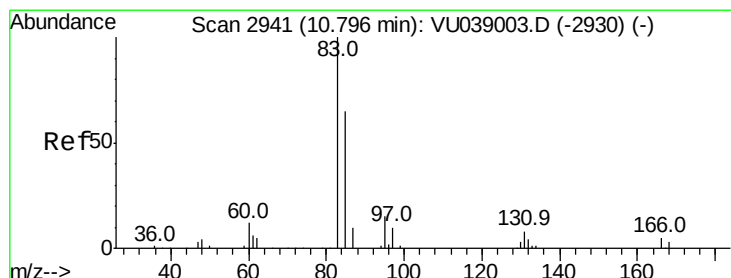
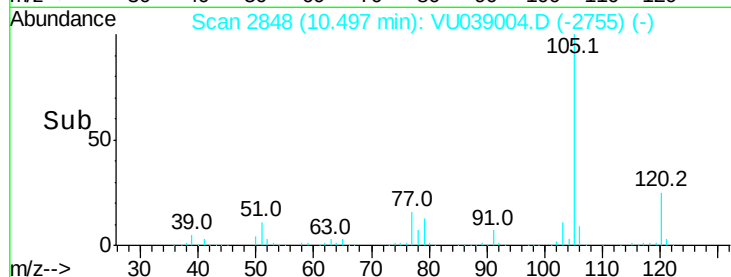
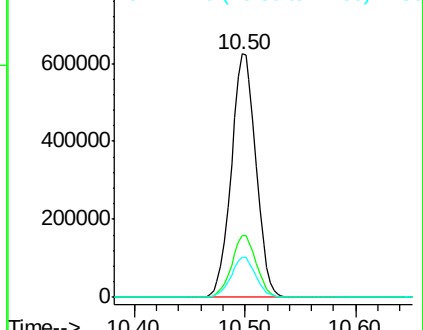
77 16.4 13.0 19.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 9.976 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. -0.00 min

Lab File: VU039004.D

Acq: 22 Jun 2020 14:16

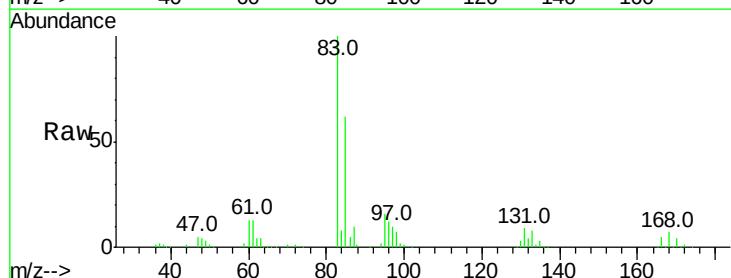
Tgt Ion: 83 Resp: 231092

Ion Ratio Lower Upper

83 100

85 62.4 45.2 84.0

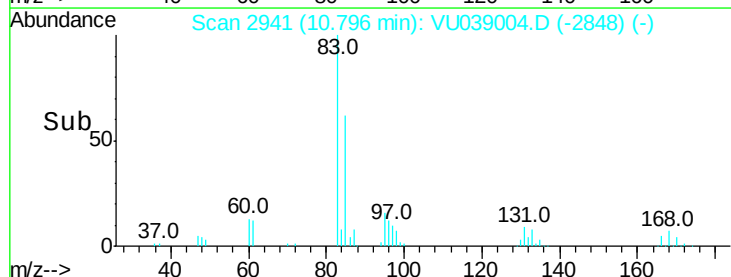
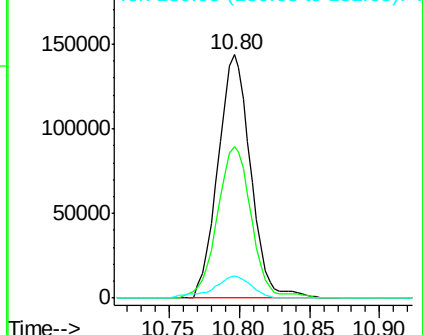
131 8.9 7.6 11.4

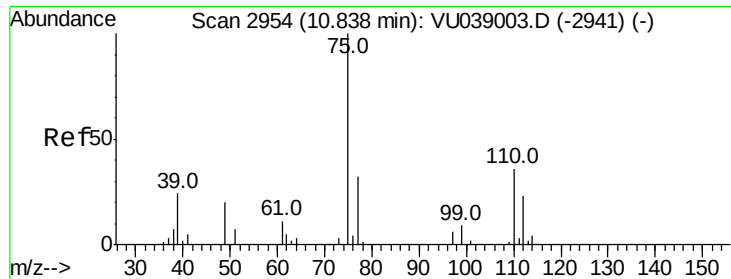


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 10.125 ug/L

RT: 10.84 min Scan# 2954

Delta R.T. -0.00 min

Lab File: VU039004.D

Acq: 22 Jun 2020 14:16

Instrument :

MSVOA_U

ClientSampleId :

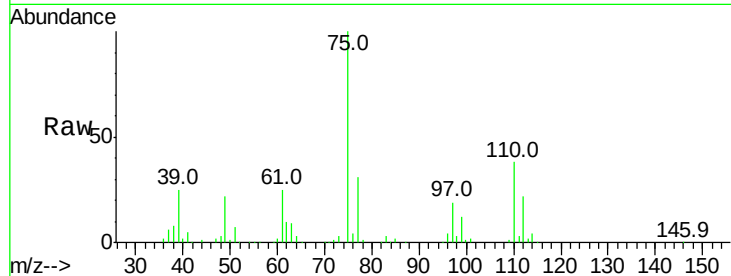
VSTD01003

Tgt Ion: 75 Resp: 174127

Ion Ratio Lower Upper

75 100

77 31.9 25.5 38.3



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

Ion 77.00 (76.70 to 77.70): VU039003.D (-2941) (-)

10.84

120000

100000

80000

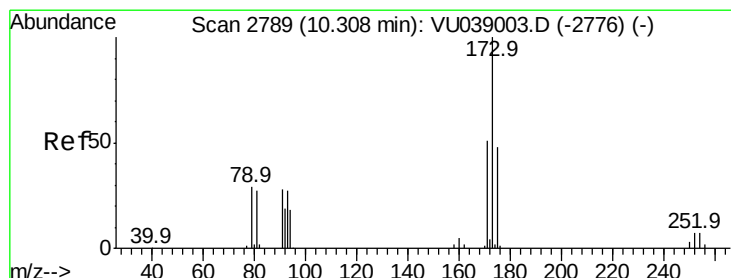
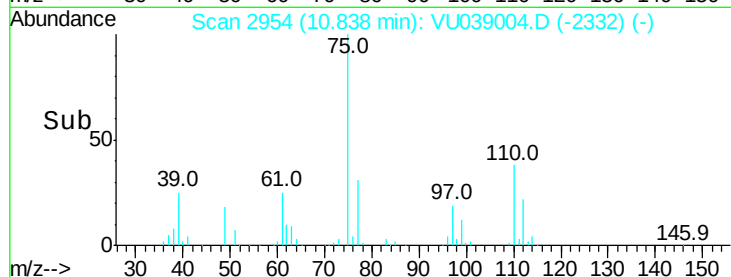
60000

40000

20000

0

Time--> 10.75 10.80 10.85 10.90



#61

Bromoform

Concen: 9.589 ug/L

RT: 10.31 min Scan# 2789

Delta R.T. -0.00 min

Lab File: VU039004.D

Acq: 22 Jun 2020 14:16

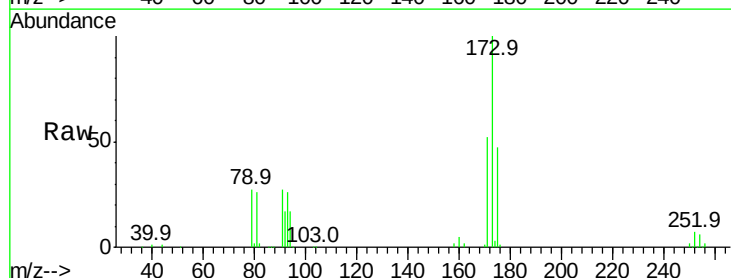
Tgt Ion: 173 Resp: 112693

Ion Ratio Lower Upper

173 100

175 47.1 38.1 57.1

254 6.3 4.8 7.2



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

Ion 174.90 (174.60 to 175.60): VU039003.D (-2776) (-)

Ion 253.75 (253.45 to 254.45): VU039003.D (-2776) (-)

10.31

80000

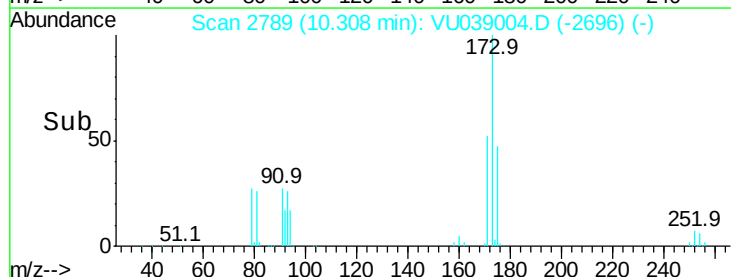
60000

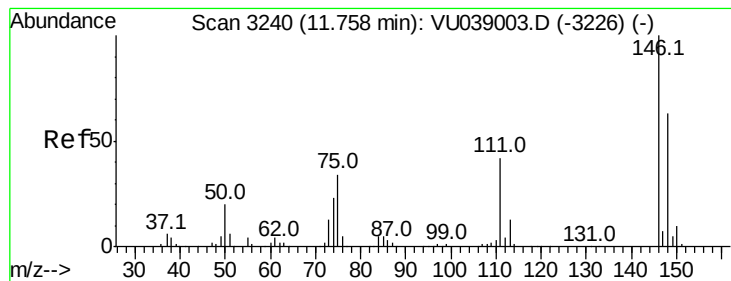
40000

20000

0

Time--> 10.30 10.40





#62

1,3-Dichlorobenzene

Concen: 9.432 ug/L

RT: 11.76 min Scan# 3240

Delta R.T. -0.00 min

Lab File: VU039004.D

Acq: 22 Jun 2020 14:16

Instrument :

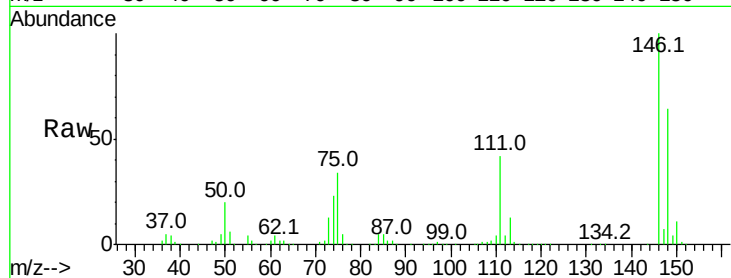
MSVOA_U

ClientSampleId :

VSTD01003

Tgt Ion:146 Resp: 442967

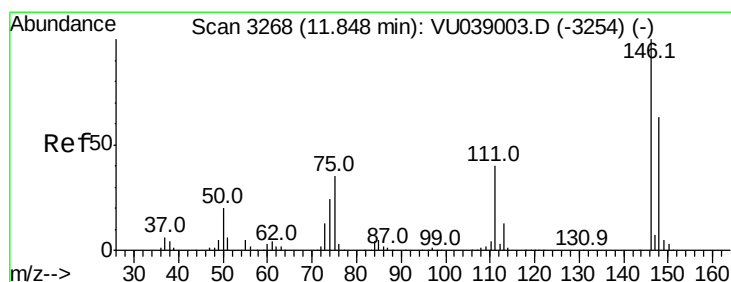
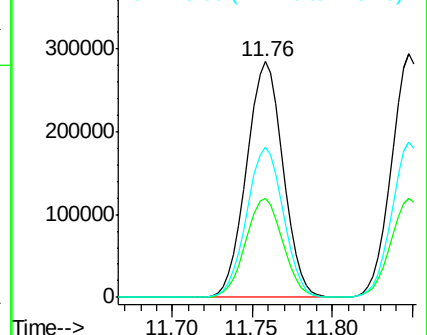
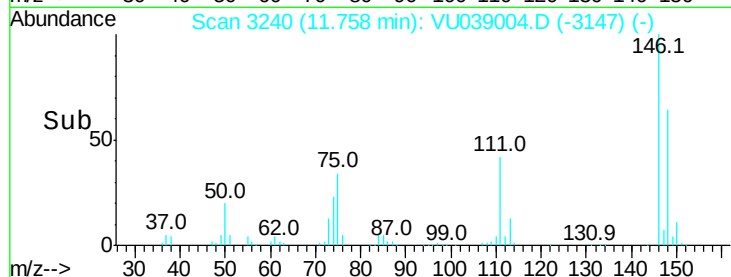
Ion	Ratio	Lower	Upper
146	100		
111	42.2	29.3	54.5
148	63.7	43.8	81.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 9.385 ug/L

RT: 11.85 min Scan# 3268

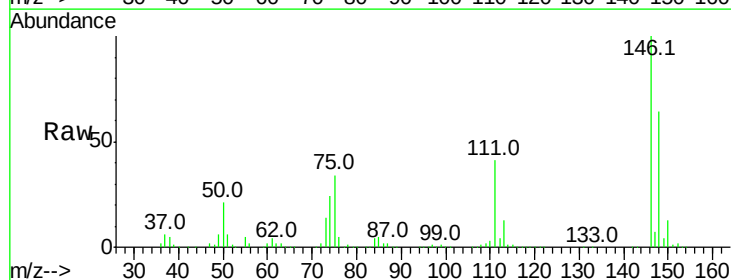
Delta R.T. -0.00 min

Lab File: VU039004.D

Acq: 22 Jun 2020 14:16

Tgt Ion:146 Resp: 452954

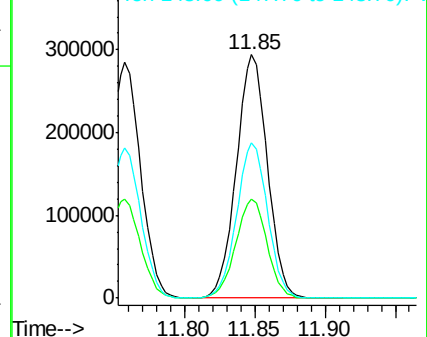
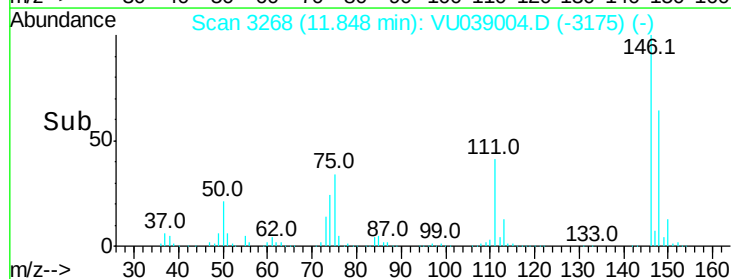
Ion	Ratio	Lower	Upper
146	100		
111	40.5	27.9	51.7
148	63.8	44.2	82.2

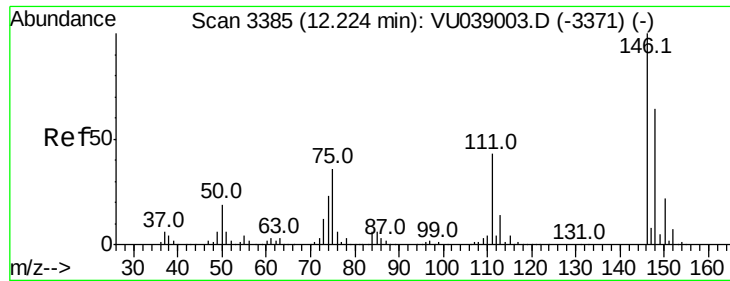


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

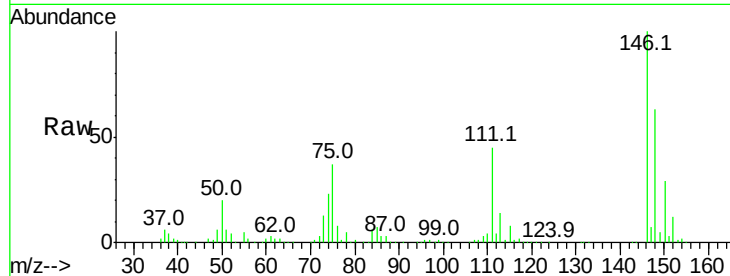




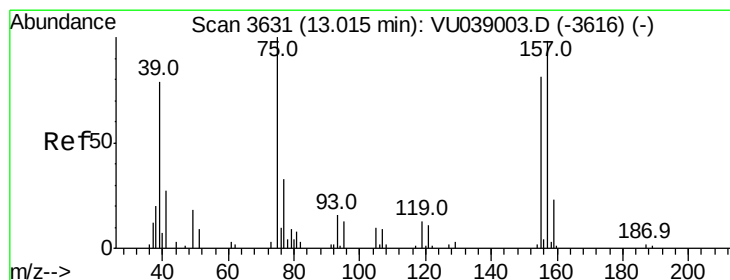
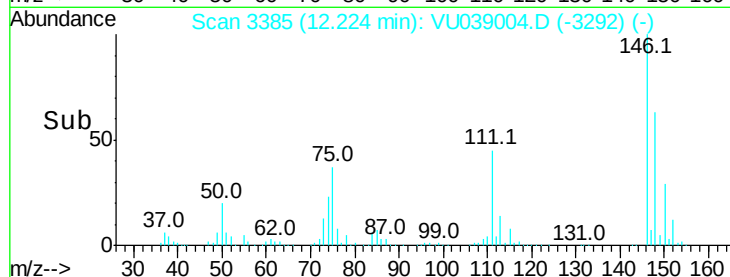
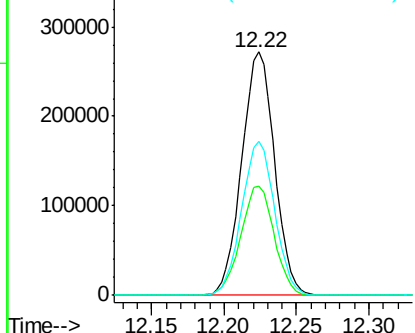
#65
 1,2-Dichlorobenzene
 Concen: 9.515 ug/L
 RT: 12.22 min Scan# 3385
 Delta R.T. -0.00 min
 Lab File: VU039004.D
 Acq: 22 Jun 2020 14:16

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01003

Tgt Ion: 146 Resp: 428660
 Ion Ratio Lower Upper
 146 100
 111 45.0 34.2 51.2
 148 63.2 51.4 77.0

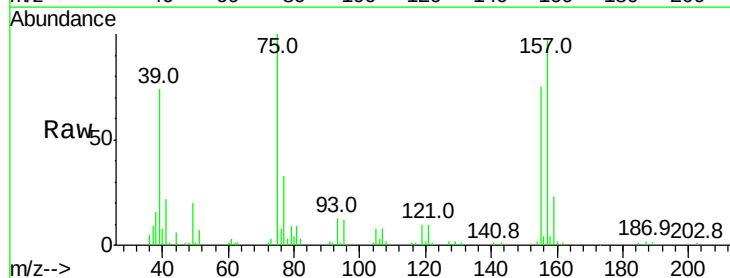


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

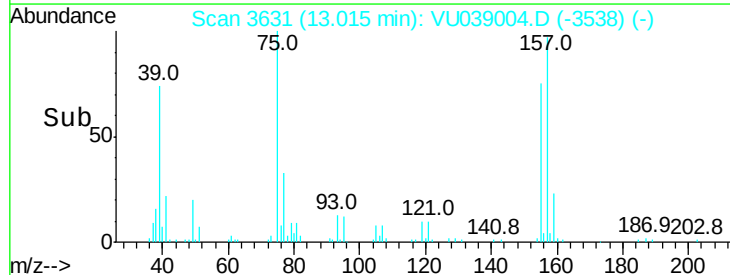
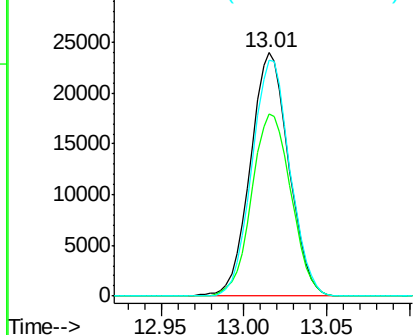


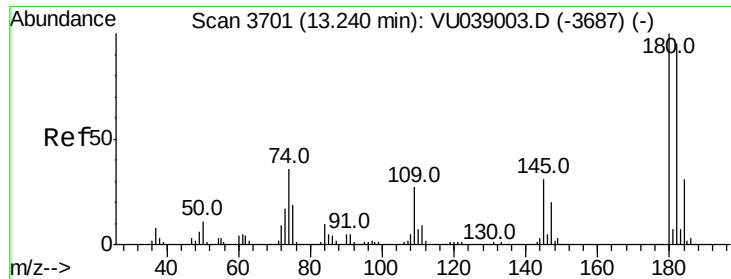
#66
 1,2-Dibromo-3-chloropropane
 Concen: 9.179 ug/L
 RT: 13.01 min Scan# 3631
 Delta R.T. -0.00 min
 Lab File: VU039004.D
 Acq: 22 Jun 2020 14:16

Tgt Ion: 75 Resp: 38609
 Ion Ratio Lower Upper
 75 100
 155 74.6 64.5 96.7
 157 97.2 78.2 117.2



Abundance Ion 75.05 (74.75 to 75.75): VU0
 Ion 154.95 (154.65 to 155.65): V
 Ion 156.90 (156.60 to 157.60): V

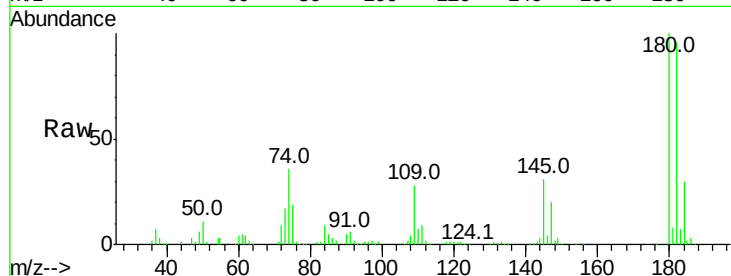




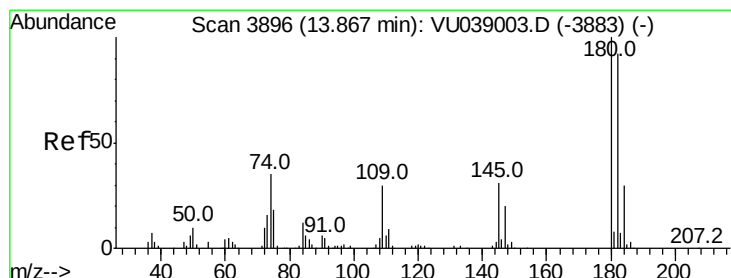
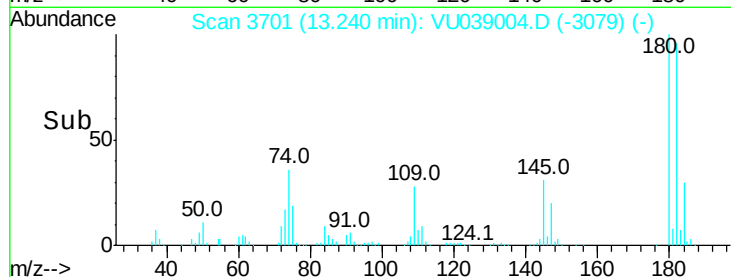
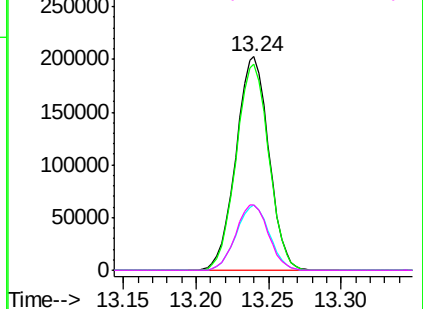
#67
 1,3,5-Trichlorobenzene
 Concen: 8.850 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.00 min
 Lab File: VU039004.D
 Acq: 22 Jun 2020 14:16

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01003

Tgt Ion:	180	Resp:	318058
Ion	Ratio	Lower	Upper
180	100		
182	96.3	77.2	115.8
184	30.6	24.8	37.2
145	30.6	24.6	37.0

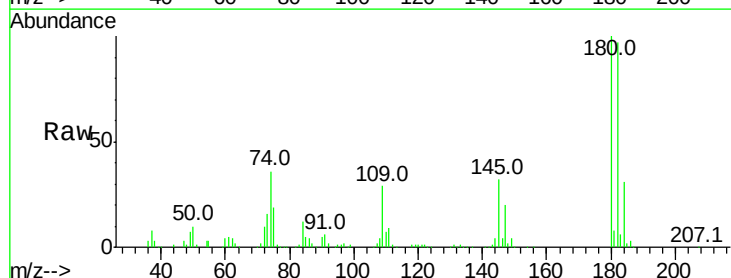


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

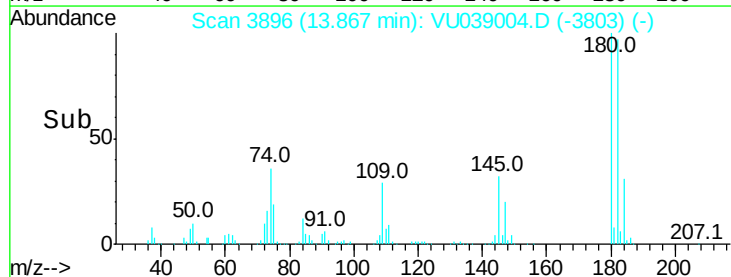
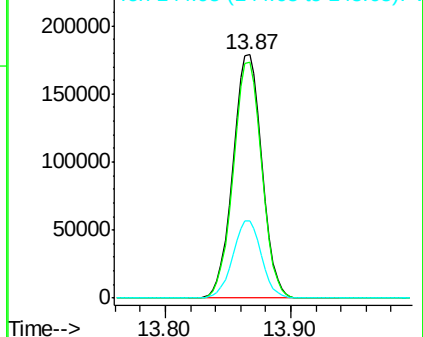


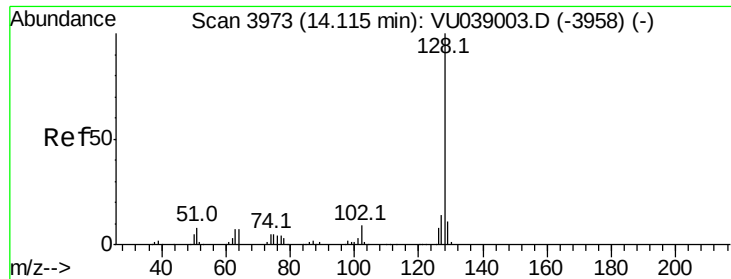
#68
 1,2,4-trichlorobenzene
 Concen: 8.975 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. -0.00 min
 Lab File: VU039004.D
 Acq: 22 Jun 2020 14:16

Tgt Ion:	180	Resp:	286198
Ion	Ratio	Lower	Upper
180	100		
182	95.4	75.1	112.7
145	31.3	25.0	37.4



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





#69

Naphthalene

Concen: 10.467 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.00 min

Lab File: VU039004.D

Acq: 22 Jun 2020 14:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD01003

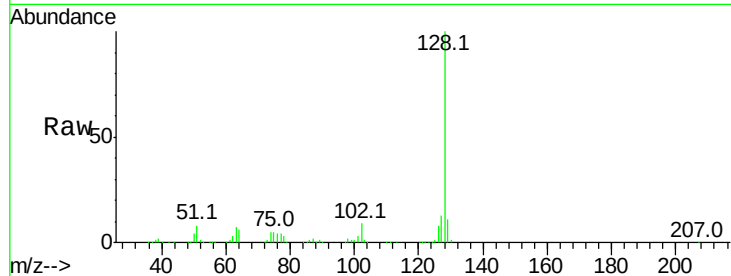
Tgt Ion:128 Resp: 612538

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

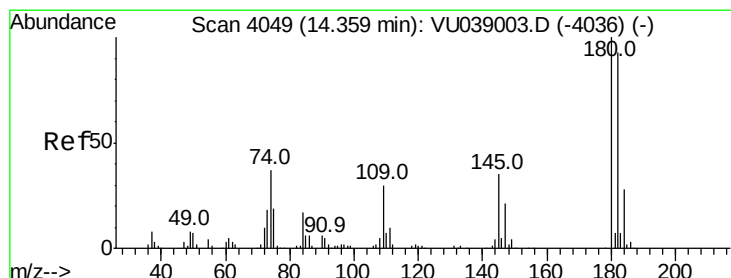
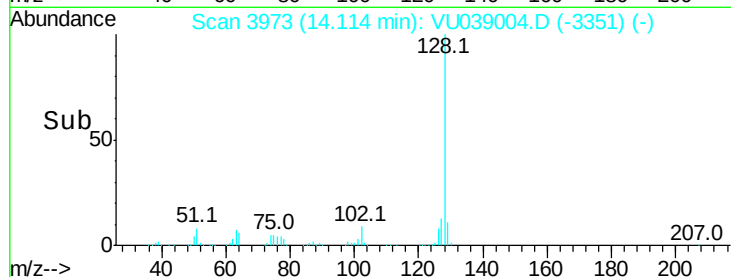
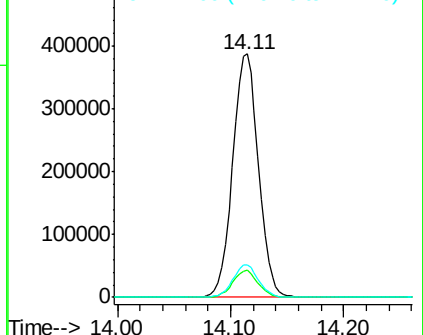
127 13.2 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 8.839 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. -0.00 min

Lab File: VU039004.D

Acq: 22 Jun 2020 14:16

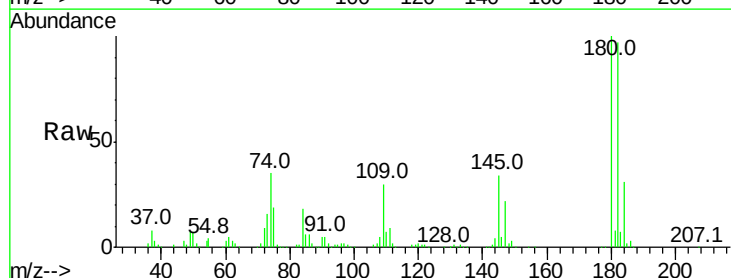
Tgt Ion:180 Resp: 269104

Ion Ratio Lower Upper

180 100

182 97.9 75.1 112.7

145 34.3 27.8 41.8



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

