

Data File : VU039005.D
Acq On : 22 Jun 2020 14:39
Operator : SY/MD
Sample : VSTD020
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD02004

Quant Time: Jun 22 15:07:50 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	287325	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	290292	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	154673	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	462207	17.40	ug/L	0.00
7) Chloroethane-d5	1.92	69	310612	15.82	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	896103	18.74	ug/L	0.00
20) 2-Butanone-d5	4.67	46	1582391	197.86	ug/L	0.00
24) Chloroform-d	5.10	84	820244	17.84	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	490132	18.18	ug/L	0.00
32) Benzene-d6	5.76	84	1719313	19.26	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	550509	19.27	ug/L	0.00
41) Toluene-d8	7.92	98	1502811	17.31	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	254129	18.78	ug/L	0.00
46) 2-Hexanone-d5	8.66	63	1345910	227.94	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	506891	19.95	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.20	152	604522	19.41	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.40	85	546276	18.586	ug/L	99
3) Chloromethane	1.53	50	355521	12.218	ug/L	100
5) Vinyl chloride	1.61	62	577020	19.010	ug/L	99
6) Bromomethane	1.87	94	152283	13.068	ug/L	97
8) Chloroethane	1.94	64	292426	16.933	ug/L	97
9) Trichlorofluoromethane	2.15	101	727804	18.418	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	431622	18.571	ug/L	98
12) 1,1-Dichloroethene	2.60	96	417123	19.595	ug/L	89
13) Acetone	2.67	43	917375	186.350	ug/L	100
14) Carbon disulfide	2.82	76	1399059	19.289	ug/L	100
15) Methyl Acetate	2.98	43	239830	19.614	ug/L	99
16) Methylene chloride	3.07	84	462996	17.684	ug/L	98
17) Methyl tert-butyl Ether	3.40	73	1172992	20.793	ug/L	99
18) trans-1,2-Dichloroethene	3.38	96	441111	19.616	ug/L	99
19) 1,1-Dichloroethane	3.91	63	861041	19.831	ug/L	99
21) 2-Butanone	4.75	43	1625026	204.626	ug/L	100
22) cis-1,2-Dichloroethene	4.70	96	484679	20.331	ug/L	94
23) Bromochloromethane	5.01	128	208835	19.197	ug/L	97
25) Chloroform	5.12	83	883969	20.647	ug/L	100
27) 1,2-Dichloroethane	5.83	62	594321	19.250	ug/L	98
29) 1,1,1-Trichloroethane	5.35	97	733121	19.566	ug/L	99
30) Cyclohexane	5.42	56	799352	21.583	ug/L	99
31) Carbon tetrachloride	5.56	117	616031	19.559	ug/L	99
33) Benzene	5.81	78	1872268	19.777	ug/L	100
34) Trichloroethene	6.57	95	464455	19.630	ug/L	98
35) Methylcyclohexane	6.79	83	792409	21.722	ug/L	98
37) 1,2-Dichloropropane	6.82	63	498858	19.540	ug/L	100
38) Bromodichloromethane	7.13	83	618559	18.629	ug/L	98
39) cis-1,3-Dichloropropene	7.63	75	768556	19.049	ug/L	100
40) 4-Methyl-2-pentanone	7.82	43	3906199	180.459	ug/L	99

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42) Toluene	7.99	91	1956560	18.494	ug/L	98
44) trans-1,3-Dichloropropene	8.23	75	695623	19.685	ug/L	100
45) 1,1,2-Trichloroethane	8.42	97	356677	17.688	ug/L	96
47) Tetrachloroethene	8.57	164	327594	18.202	ug/L	98
48) 2-Hexanone	8.71	43	2920999	201.431	ug/L	99
49) Dibromochloromethane	8.83	129	411133	18.877	ug/L	99
50) 1,2-Dibromoethane	8.94	107	348052	18.602	ug/L #	100
51) Chlorobenzene	9.47	112	1218799	19.773	ug/L	99
52) Ethylbenzene	9.59	91	2215786	20.886	ug/L	99
53) m,p-Xylene	9.71	106	845373	21.182	ug/L	100
54) o-Xylene	10.11	106	817100	21.099	ug/L	99
55) Styrene	10.13	104	1455114	21.888	ug/L	99
56) Isopropylbenzene	10.50	105	2194304	21.865	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.80	83	499157	20.162	ug/L	100
59) 1,2,3-Trichloropropane	10.84	75	367761	20.010	ug/L	98
61) Bromoform	10.31	173	242016	19.167	ug/L	100
62) 1,3-Dichlorobenzene	11.76	146	986088	19.543	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	998185	19.250	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	939569	19.413	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	89154	19.729	ug/L	93
67) 1,3,5-Trichlorobenzene	13.24	180	724242	18.758	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	659944	19.264	ug/L	99
69) Naphthalene	14.11	128	1435473	22.831	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	613226	18.748	ug/L	98

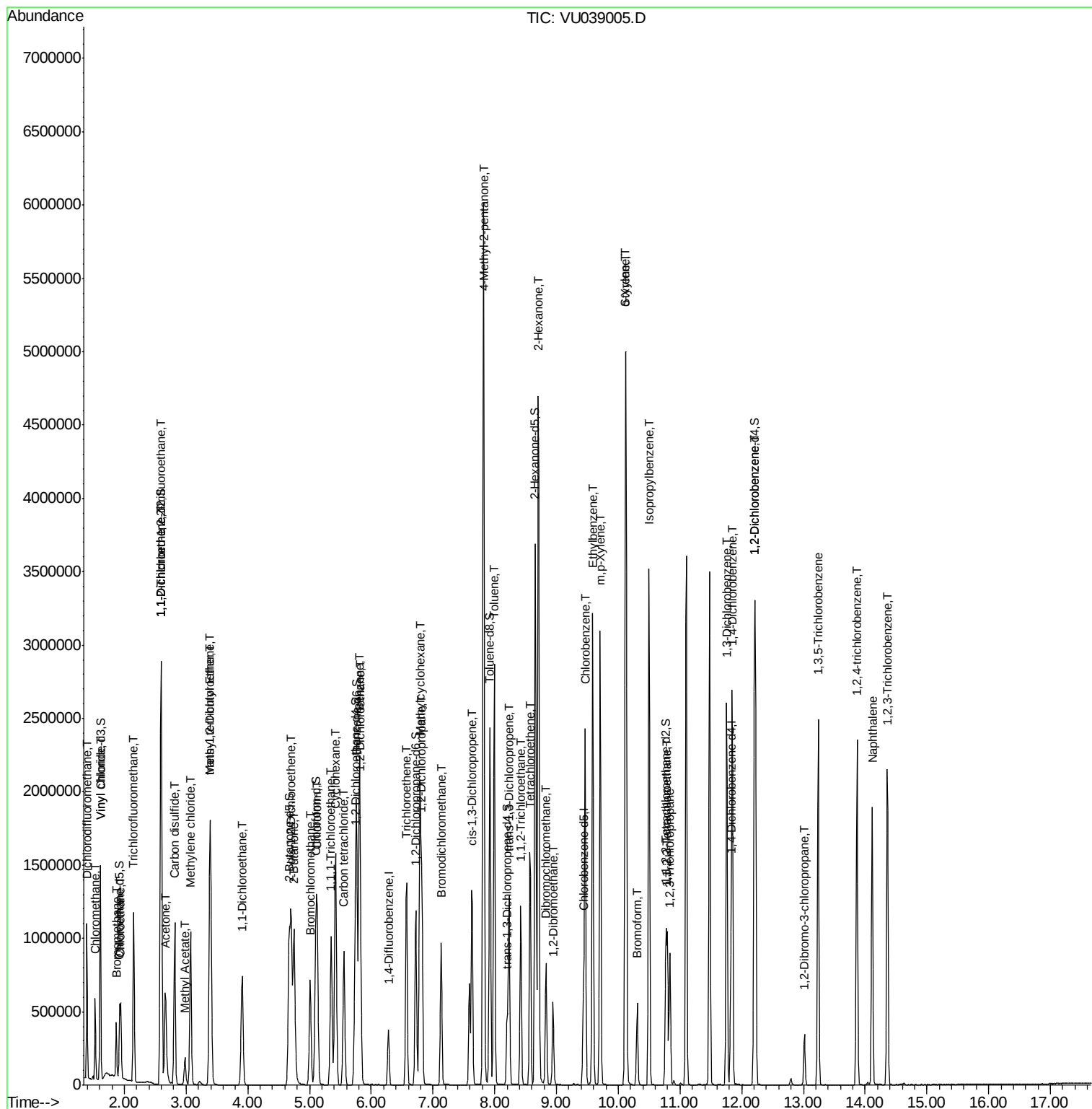
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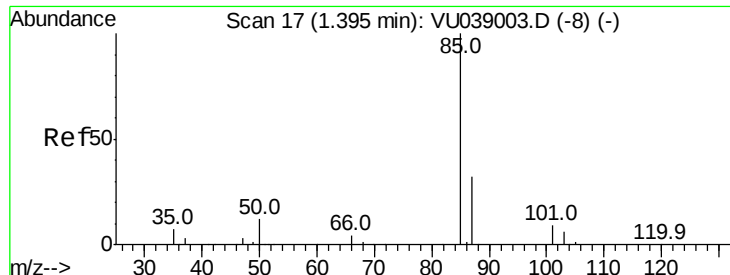
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#2

Dichlorodifluoromethane

Concen: 18.586 ug/L

RT: 1.40 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU039005.D

Acq: 22 Jun 2020 14:39

Instrument :

MSVOA_U

ClientSampleId :

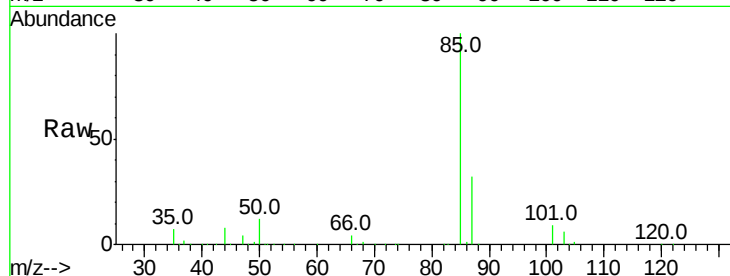
VSTD02004

Tgt Ion: 85 Resp: 546276

Ion Ratio Lower Upper

85 100

87 32.0 25.0 37.6



Abundance Ion 85.00 (84.70 to 85.70): VU039005.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU039005.D (-8) (-)

1.40

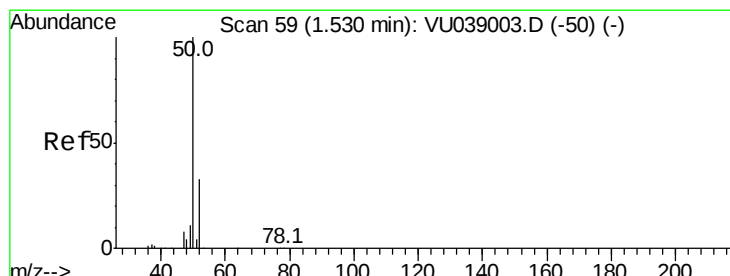
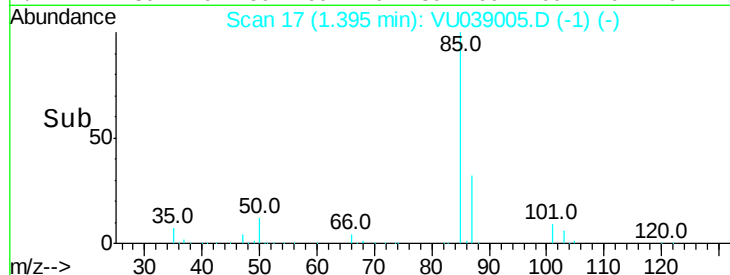
600000

400000

200000

0

Time-->



#3

Chloromethane

Concen: 12.218 ug/L

RT: 1.53 min Scan# 59

Delta R.T. 0.00 min

Lab File: VU039005.D

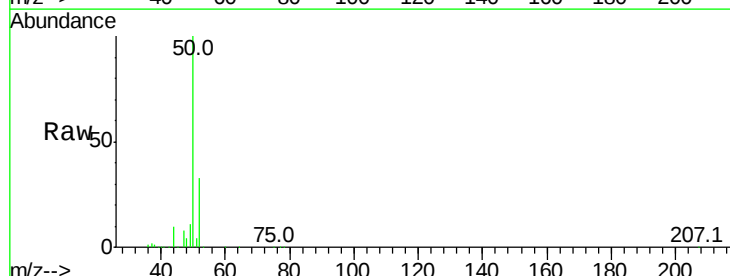
Acq: 22 Jun 2020 14:39

Tgt Ion: 50 Resp: 355521

Ion Ratio Lower Upper

50 100

52 32.7 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VU039005.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU039005.D (-50) (-)

1.53

400000

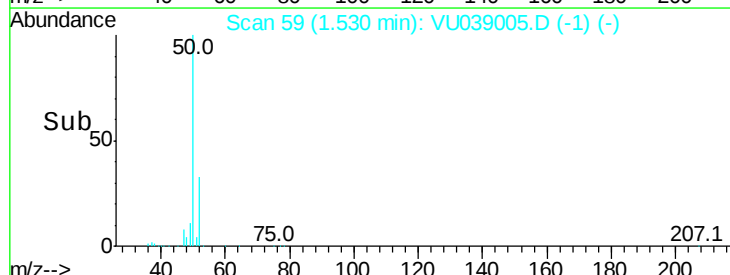
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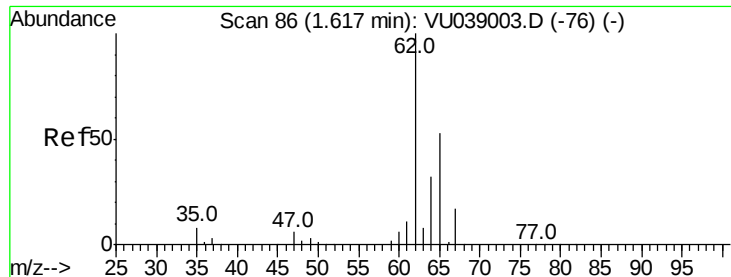
200000

100000

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Time-->





#5

Vinyl chloride

Concen: 19.010 ug/L

RT: 1.61 min Scan# 85

Delta R.T. -0.00 min

Lab File: VU039005.D

Acq: 22 Jun 2020 14:39

Instrument :

MSVOA_U

ClientSampleId :

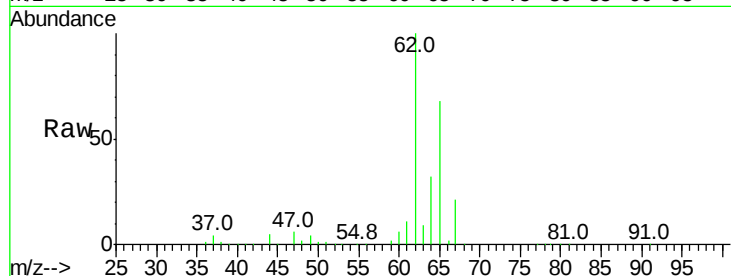
VSTD02004

Tgt Ion: 62 Resp: 577020

Ion Ratio Lower Upper

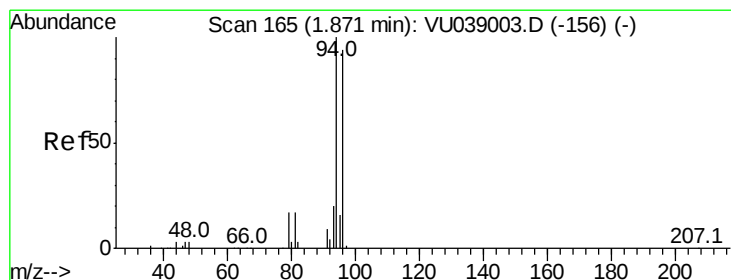
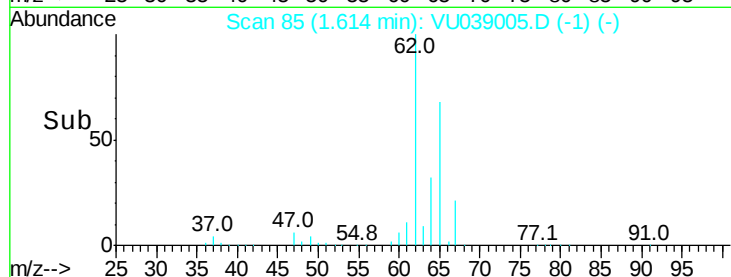
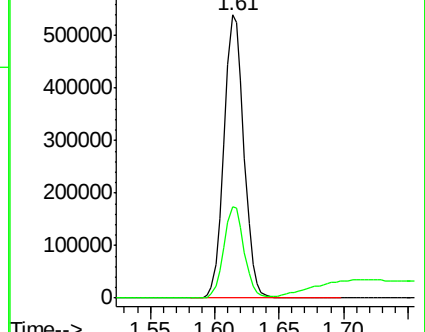
62 100

64 32.5 22.5 41.9



Abundance Ion 62.00 (61.70 to 62.70): VU039005.D (-1) (-)

Ion 64.10 (63.80 to 64.80): VU039005.D (-1) (-)



#6

Bromomethane

Concen: 13.068 ug/L

RT: 1.87 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU039005.D

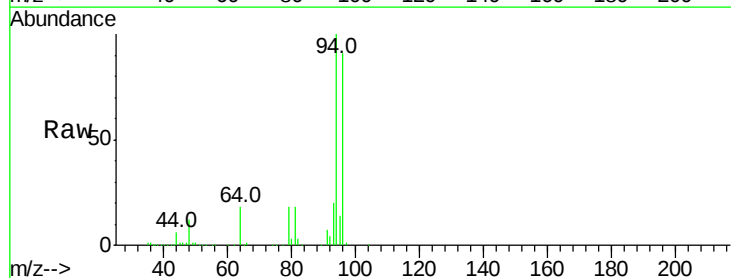
Acq: 22 Jun 2020 14:39

Tgt Ion: 94 Resp: 152283

Ion Ratio Lower Upper

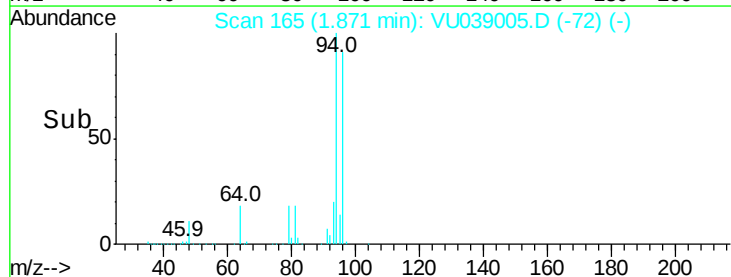
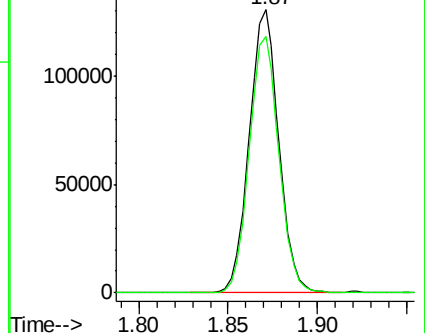
94 100

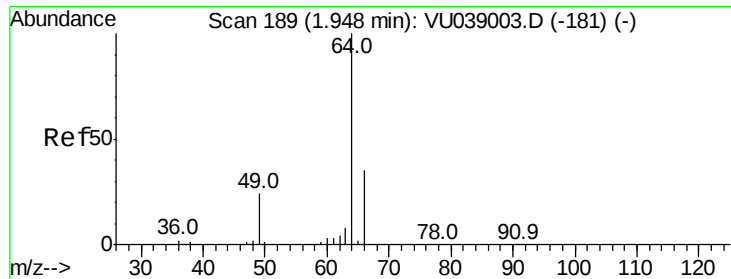
96 90.5 65.5 121.7



Abundance Ion 94.00 (93.70 to 94.70): VU039005.D (-72) (-)

Ion 96.00 (95.70 to 96.70): VU039005.D (-72) (-)

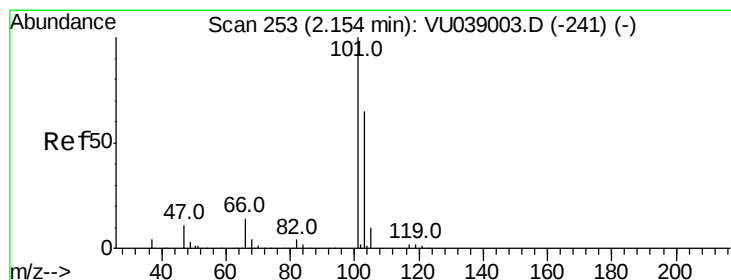
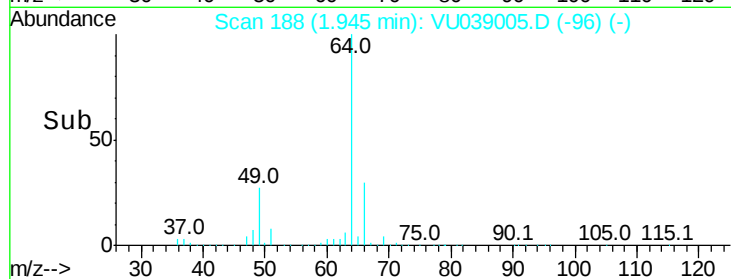
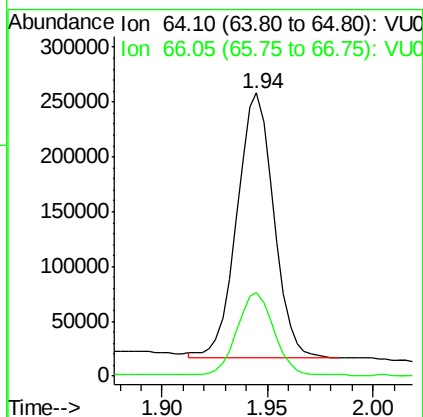
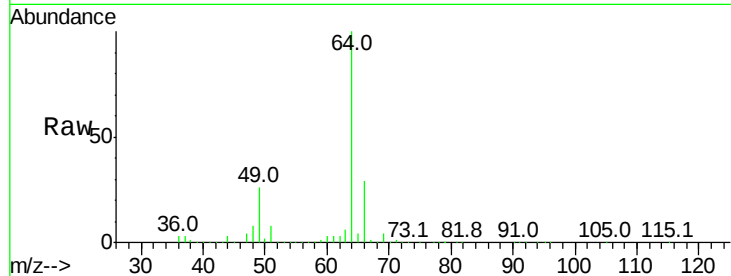




#8
 Chloroethane
 Concen: 16.933 ug/L
 RT: 1.94 min Scan# 188
 Delta R.T. -0.00 min
 Lab File: VU039005.D
 Acq: 22 Jun 2020 14:39

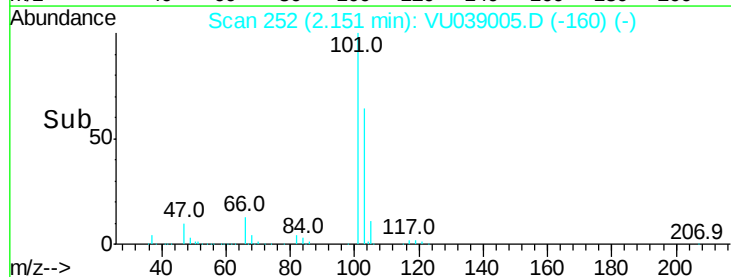
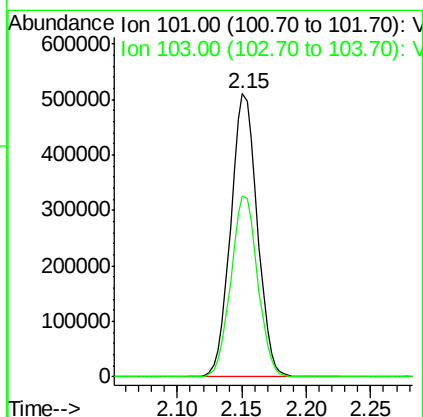
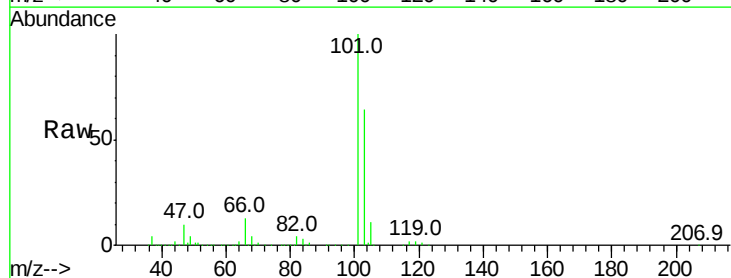
Instrument :
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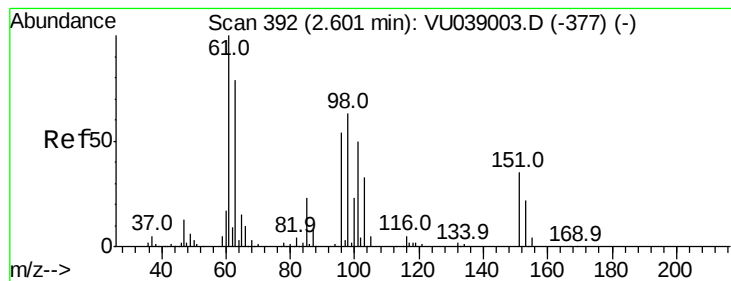
Tgt Ion: 64 Resp: 292426
 Ion Ratio Lower Upper
 64 100
 66 29.4 19.4 36.0



#9
 Trichlorofluoromethane
 Concen: 18.418 ug/L
 RT: 2.15 min Scan# 252
 Delta R.T. -0.00 min
 Lab File: VU039005.D
 Acq: 22 Jun 2020 14:39

Tgt Ion: 101 Resp: 727804
 Ion Ratio Lower Upper
 101 100
 103 64.5 51.4 77.2





#10

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

Concen: 18.571 ug/L

RT: 2.60 min Scan# 392

Delta R.T. 0.00 min

Lab File: VU039005.D

Acq: 22 Jun 2020 14:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD02004

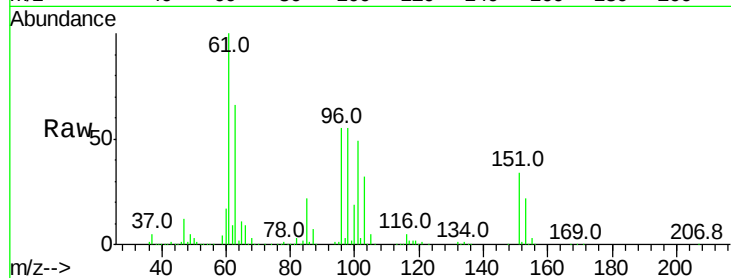
Tgt Ion: 101 Resp: 431622

Ion Ratio Lower Upper

101 100

85 44.2 36.5 54.7

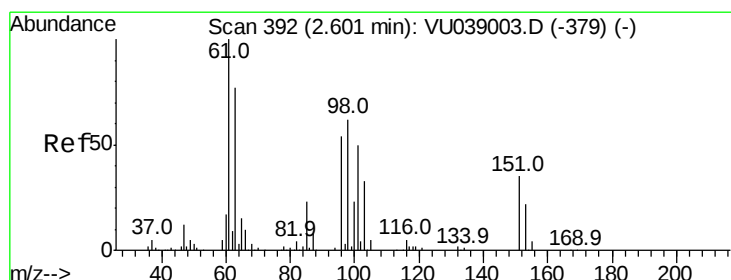
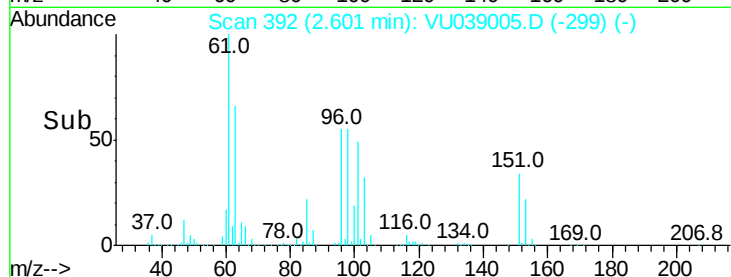
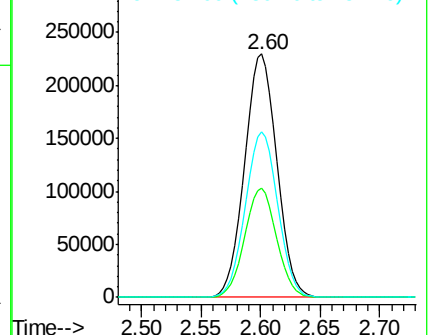
151 68.2 56.2 84.4



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: 19.595 ug/L

RT: 2.60 min Scan# 392

Delta R.T. 0.00 min

Lab File: VU039005.D

Acq: 22 Jun 2020 14:39

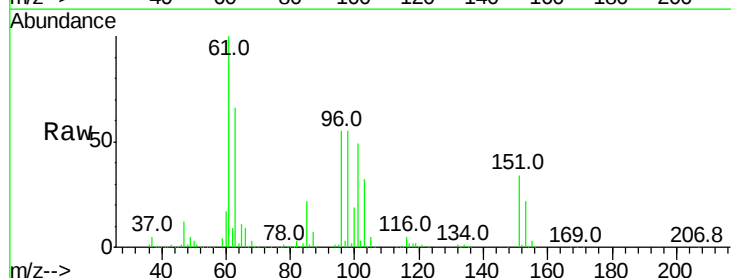
Tgt Ion: 96 Resp: 417123

Ion Ratio Lower Upper

96 100

61 180.7 128.7 239.1

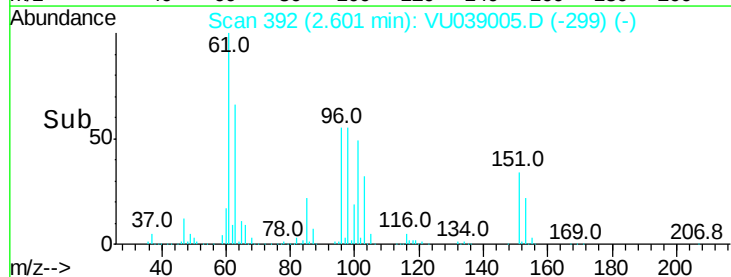
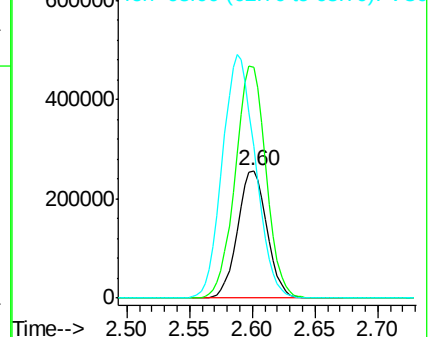
63 118.5 101.5 188.5

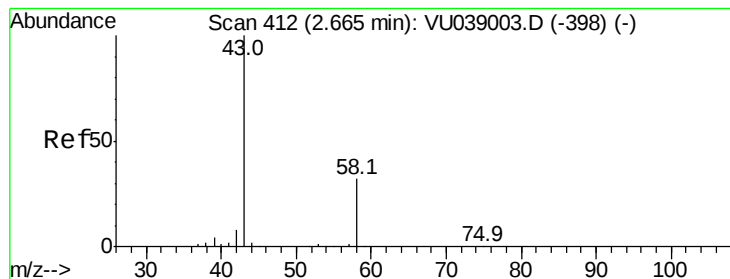


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 186.350 ug/L

RT: 2.67 min Scan# 412

Delta R.T. 0.00 min

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ClientSampleId :

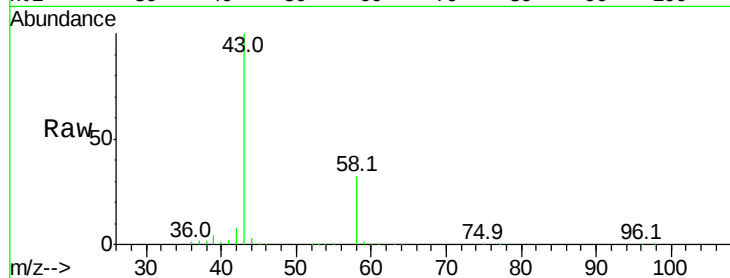
VSTD02004

Tgt Ion: 43 Resp: 917375

Ion Ratio Lower Upper

43 100

58 32.1 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) (-)

2.67

400000

300000

200000

100000

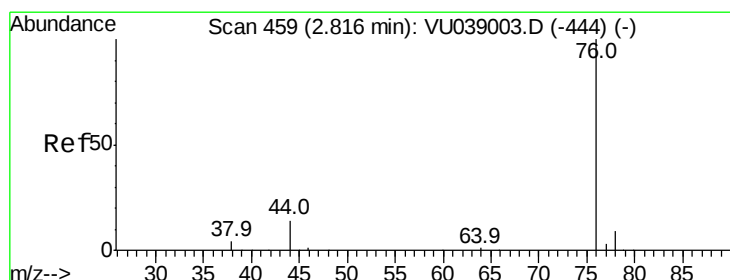
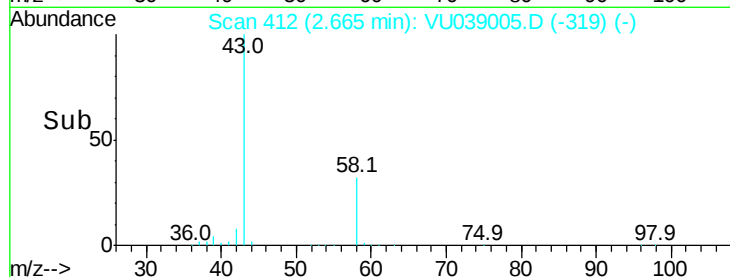
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Time-->

2.60

2.70

2.80



#14

Carbon disulfide

Concen: 19.289 ug/L

RT: 2.82 min Scan# 459

Delta R.T. 0.00 min

Lab File: VU039005.D

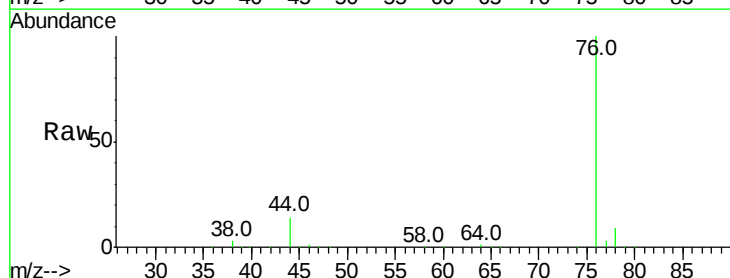
Acq: 22 Jun 2020 14:39

Tgt Ion: 76 Resp: 1399059

Ion Ratio Lower Upper

76 100

78 9.0 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) (-)

2.82

1000000

800000

600000

400000

200000

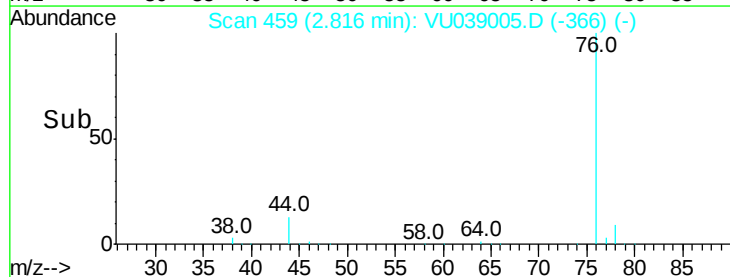
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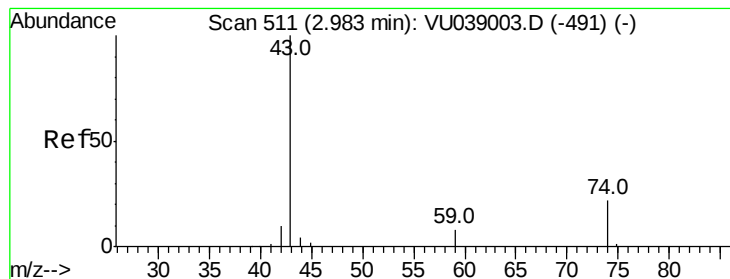
Time-->

2.70

2.80

2.90





#15

Methyl Acetate

Concen: 19.614 ug/L

RT: 2.98 min Scan# 511

Delta R.T. 0.00 min

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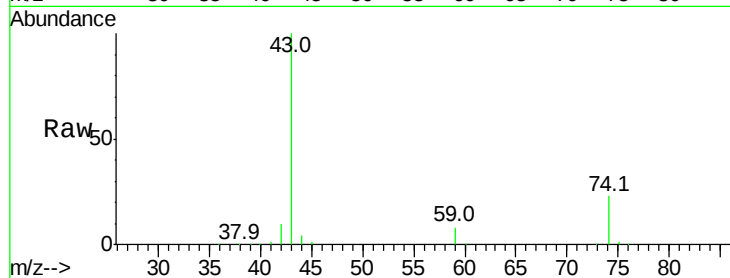
VSTD02004

Tgt Ion: 43 Resp: 239830

Ion Ratio Lower Upper

43 100

74 23.1 18.0 27.0



Abundance Ion 43.05 (42.75 to 43.75): VU039005.D (-491) (-)

Ion 74.05 (73.75 to 74.75): VU039005.D (-491) (-)

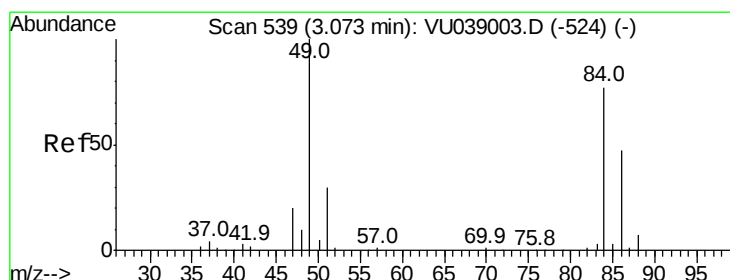
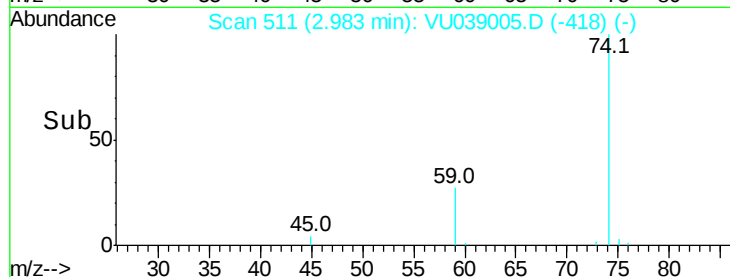
2.98

100000

50000

0

Time-->



#16

Methylene chloride

Concen: 17.684 ug/L

RT: 3.07 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU039005.D

Acq: 22 Jun 2020 14:39

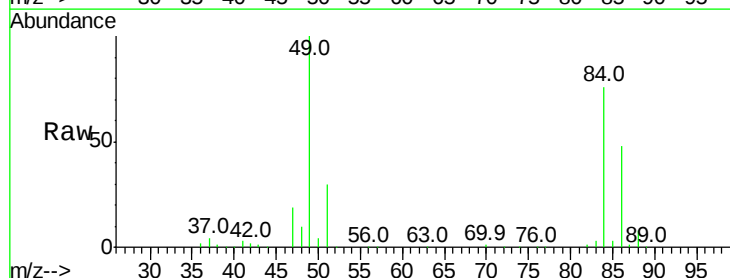
Tgt Ion: 84 Resp: 462996

Ion Ratio Lower Upper

84 100

86 63.0 43.1 80.1

49 131.8 90.9 168.9



Abundance Ion 84.05 (83.75 to 84.75): VU039005.D (-446) (-)

Ion 86.00 (85.70 to 86.70): VU039005.D (-446) (-)

Ion 49.10 (48.80 to 49.80): VU039005.D (-446) (-)

3.07

400000

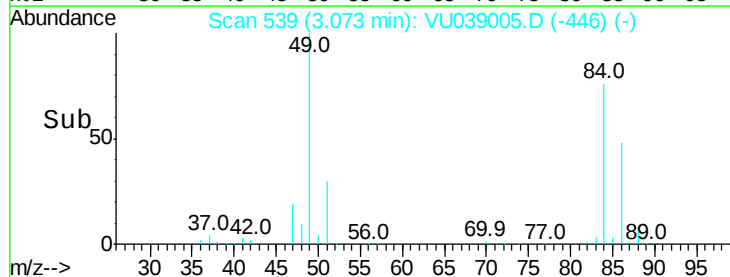
300000

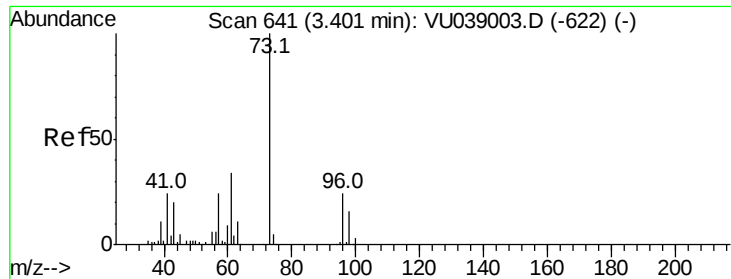
200000

100000

0

Time-->



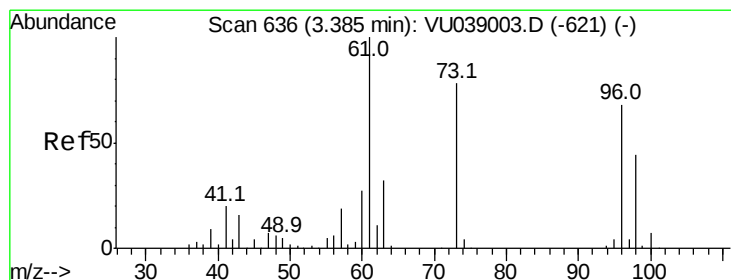
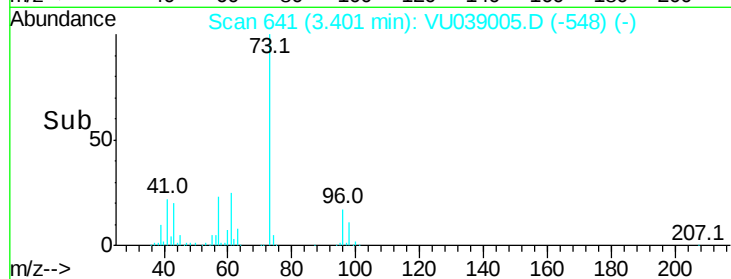
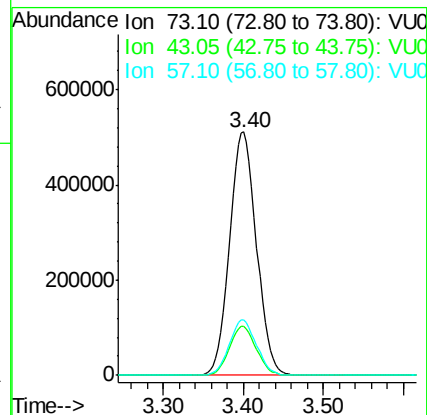
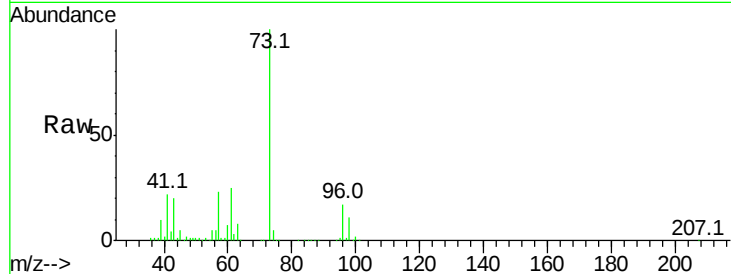


#17
Methyl tert-butyl Ether
Concen: 20.793 ug/L
RT: 3.40 min Scan# 641
Delta R.T. 0.00 min
Lab File: VU039005.D
Acq: 22 Jun 2020 14:39

Instrument :
MSVOA_U
ClientSampleId :
VSTD02004

Tgt Ion: 73 Resp: 1172992

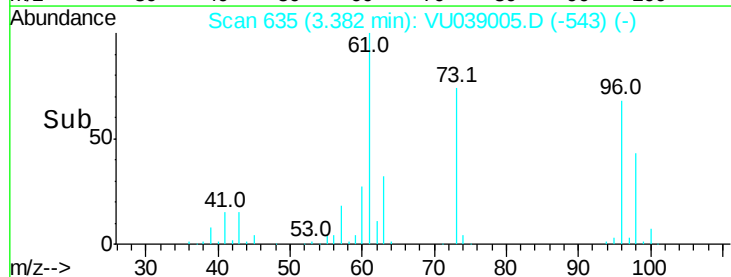
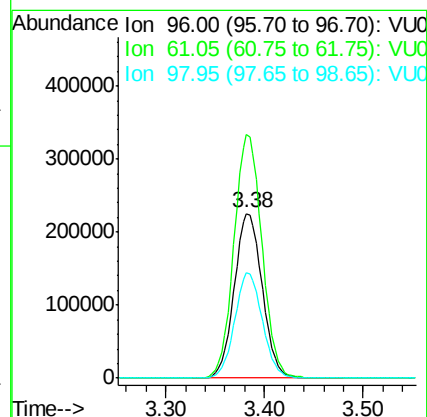
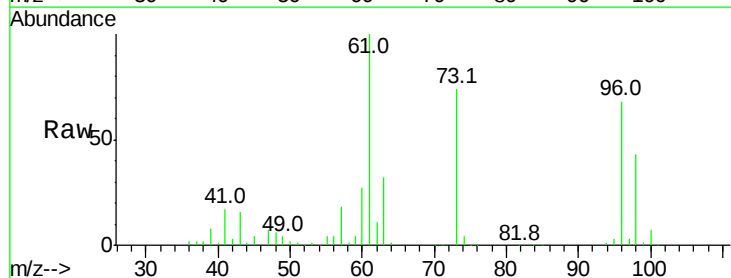
Ion	Ratio	Lower	Upper
73	100		
43	20.3	16.7	25.1
57	23.0	18.8	28.2

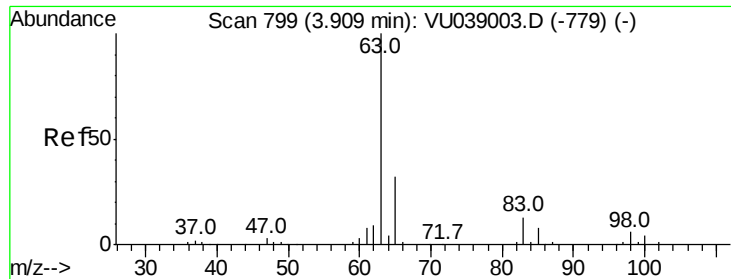


#18
trans-1,2-Dichloroethene
Concen: 19.616 ug/L
RT: 3.38 min Scan# 635
Delta R.T. -0.00 min
Lab File: VU039005.D
Acq: 22 Jun 2020 14:39

Tgt Ion: 96 Resp: 441111

Ion	Ratio	Lower	Upper
96	100		
61	147.9	102.6	190.6
98	64.1	45.0	83.6

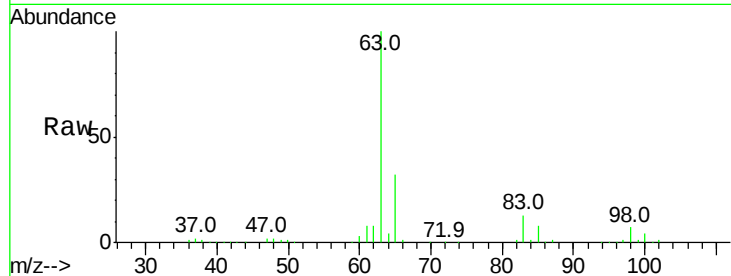




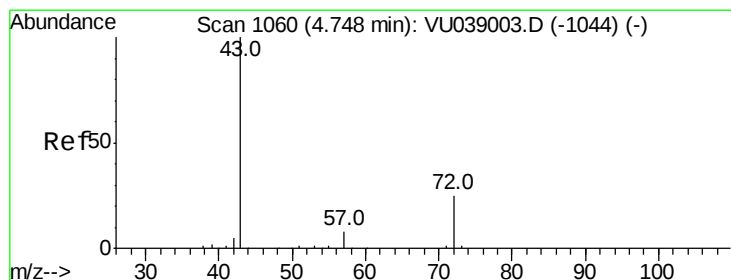
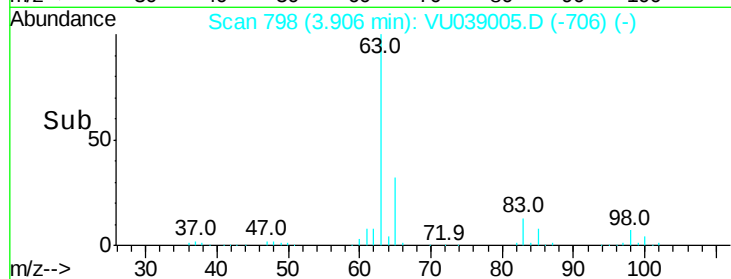
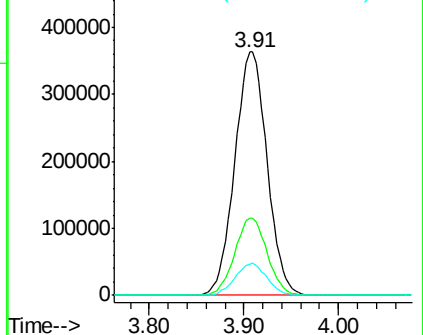
#19
 1,1-Dichloroethane
 Concen: 19.831 ug/L
 RT: 3.91 min Scan# 798
 Delta R.T. -0.00 min
 Lab File: VU039005.D
 Acq: 22 Jun 2020 14:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02004

Tgt Ion: 63 Resp: 861041
 Ion Ratio Lower Upper
 63 100
 65 31.7 22.5 41.7
 83 13.0 9.2 17.2

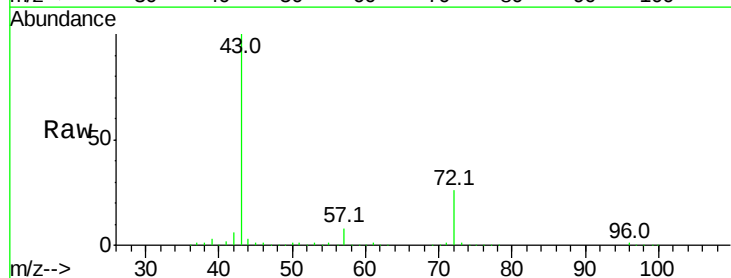


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

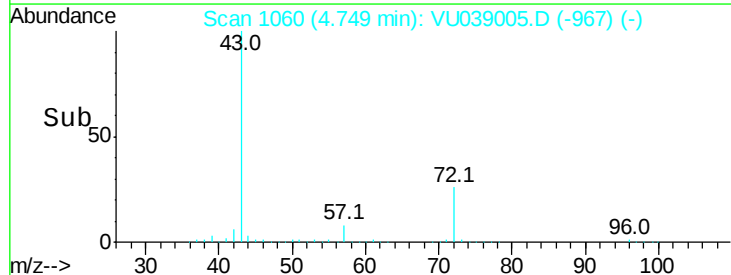
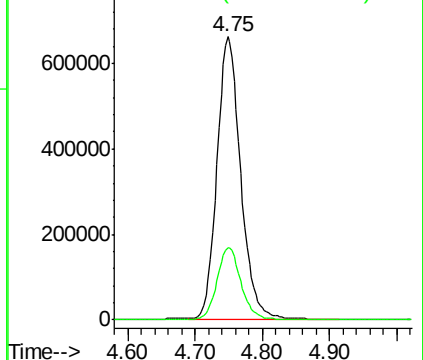


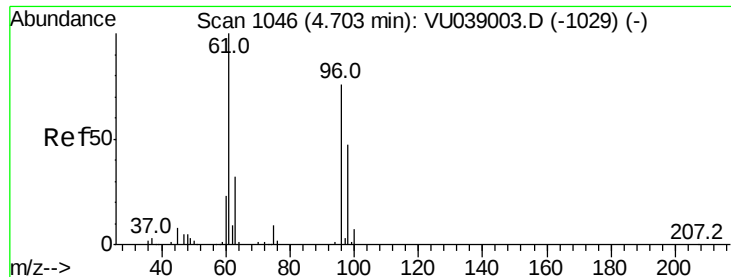
#21
 2-Butanone
 Concen: 204.626 ug/L
 RT: 4.75 min Scan# 1060
 Delta R.T. 0.00 min
 Lab File: VU039005.D
 Acq: 22 Jun 2020 14:39

Tgt Ion: 43 Resp: 1625026
 Ion Ratio Lower Upper
 43 100
 72 26.1 13.1 39.3



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 20.331 ug/L

RT: 4.70 min Scan# 1046

Delta R.T. 0.00 min

Lab File: VU039005.D

Acq: 22 Jun 2020 14:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD02004

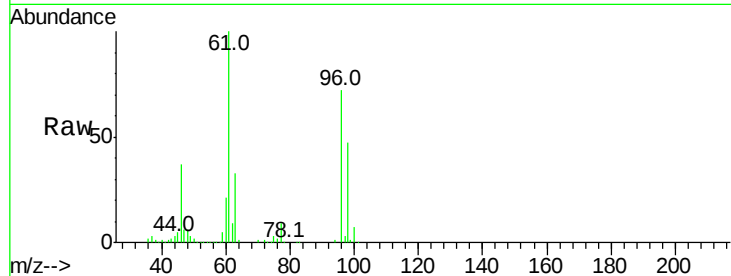
Tgt Ion: 96 Resp: 484679

Ion Ratio Lower Upper

96 100

61 138.0 92.0 170.8

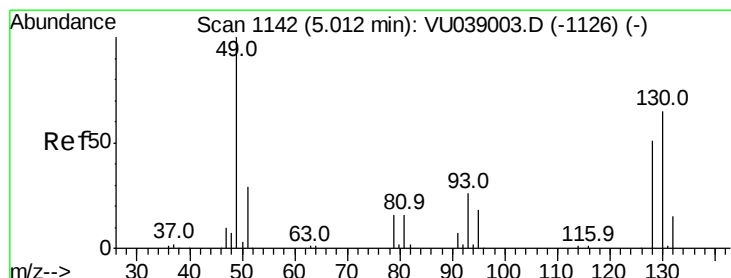
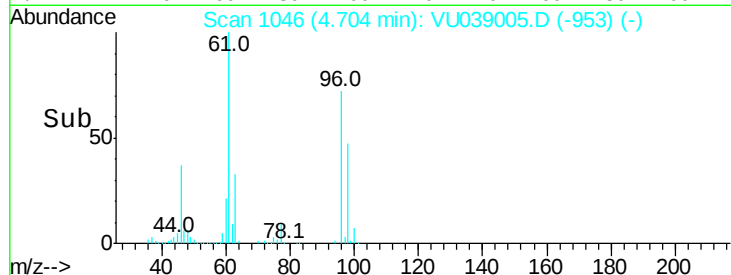
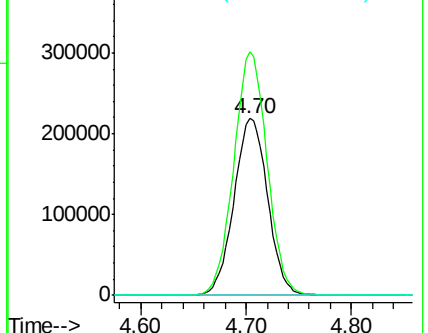
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039005.D (-953) (-)

Ion 61.05 (60.75 to 61.75): VU039005.D (-953) (-)

Ion 68.15 (67.85 to 68.85): VU039005.D (-953) (-)



#23

Bromochloromethane

Concen: 19.197 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU039005.D

Acq: 22 Jun 2020 14:39

Tgt Ion: 128 Resp: 208835

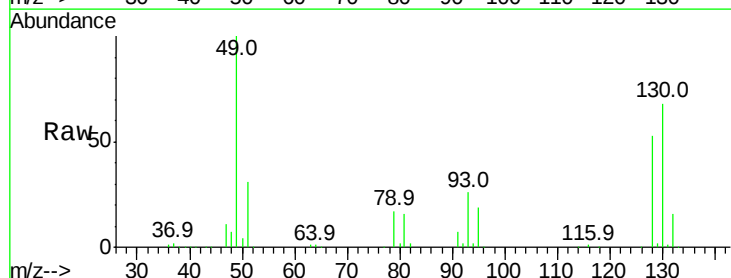
Ion Ratio Lower Upper

128 100

49 188.3 138.4 257.0

130 128.2 90.3 167.7

51 58.4 46.6 69.8

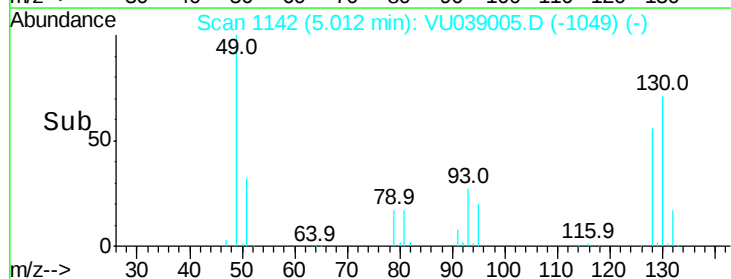
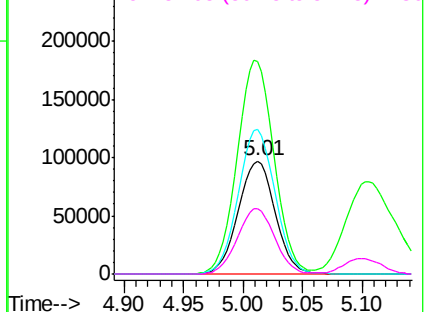


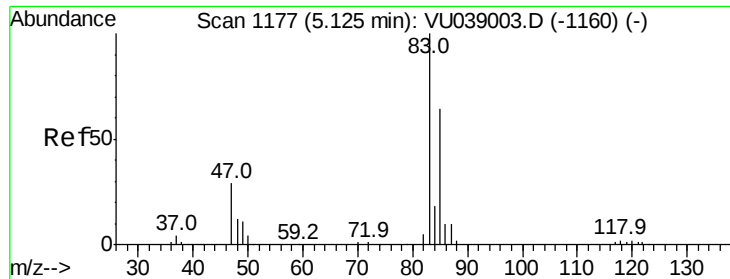
Abundance Ion 127.90 (127.60 to 128.60): VU039005.D (-1049) (-)

Ion 49.10 (48.80 to 49.80): VU039005.D (-1049) (-)

Ion 129.95 (129.65 to 130.65): VU039005.D (-1049) (-)

Ion 51.05 (50.75 to 51.75): VU039005.D (-1049) (-)

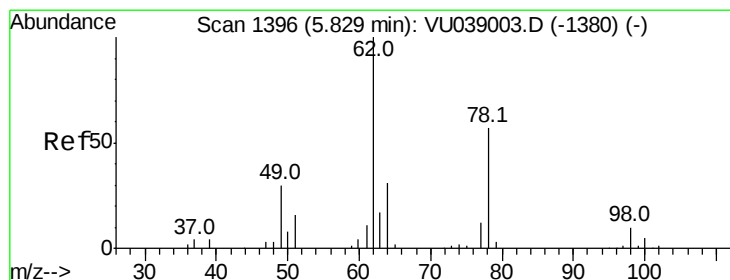
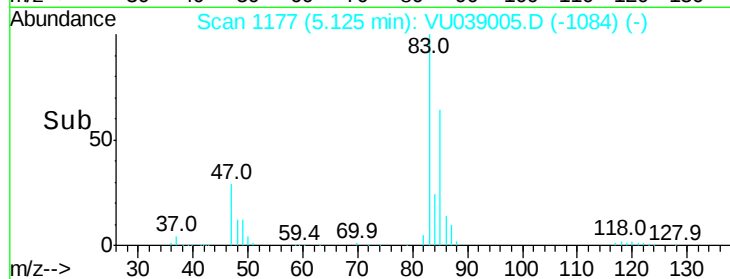
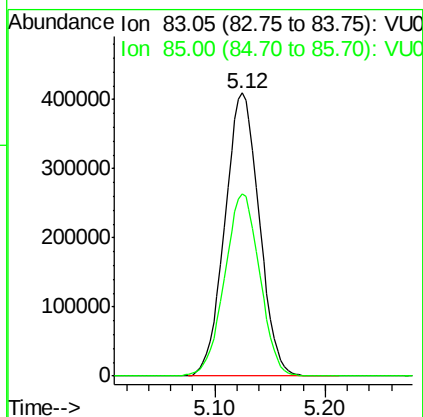
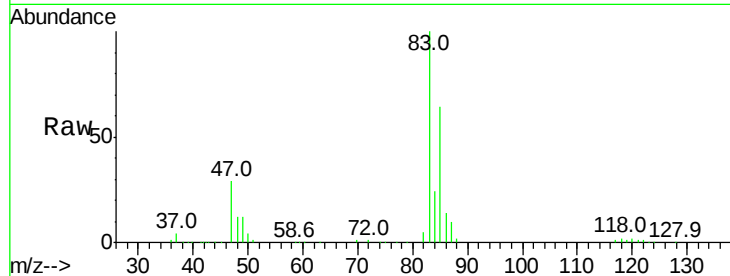




#25
Chloroform
Concen: 20.647 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VU039005.D
Acq: 22 Jun 2020 14:39

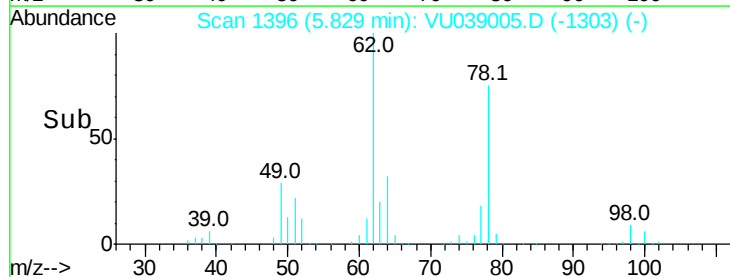
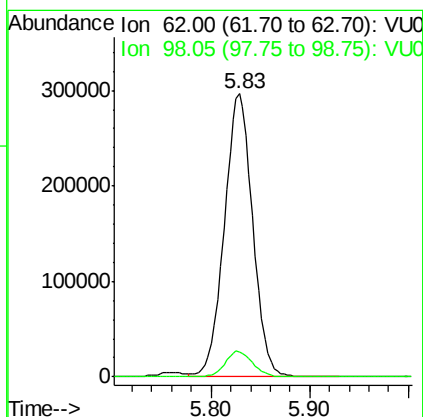
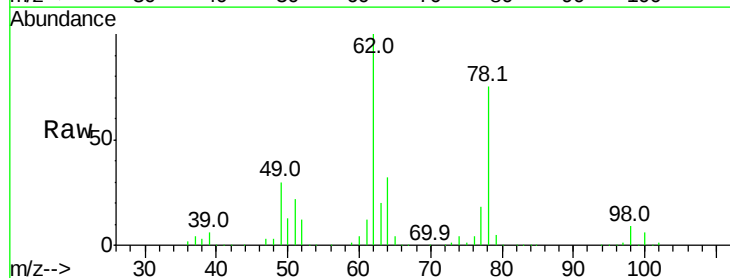
Instrument :
MSVOA_U
ClientSampleId :
VSTD02004

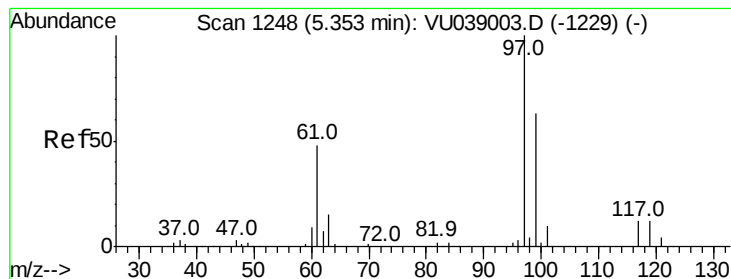
Tgt Ion: 83 Resp: 883969
Ion Ratio Lower Upper
83 100
85 64.3 44.9 83.5



#27
1,2-Dichloroethane
Concen: 19.250 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU039005.D
Acq: 22 Jun 2020 14:39

Tgt Ion: 62 Resp: 594321
Ion Ratio Lower Upper
62 100
98 8.9 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 19.566 ug/L

RT: 5.35 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VU039005.D

Acq: 22 Jun 2020 14:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD02004

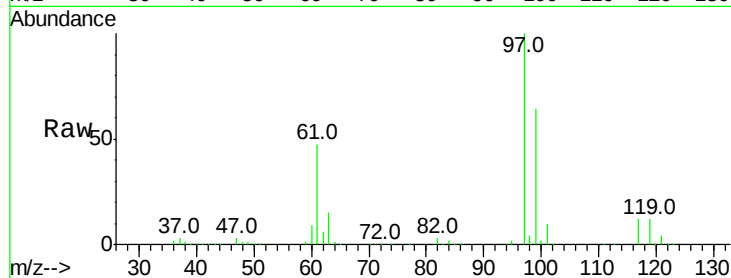
Tgt Ion: 97 Resp: 733121

Ion Ratio Lower Upper

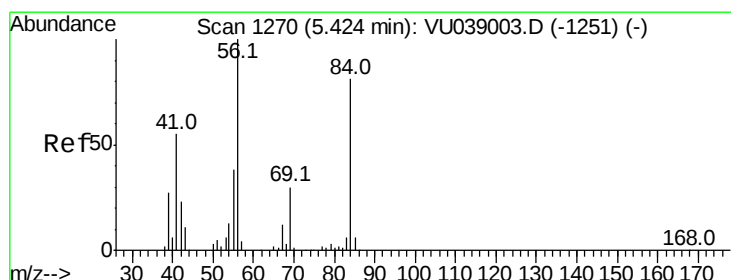
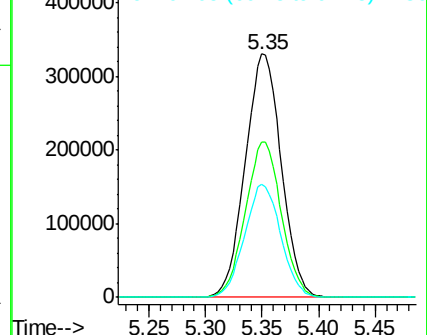
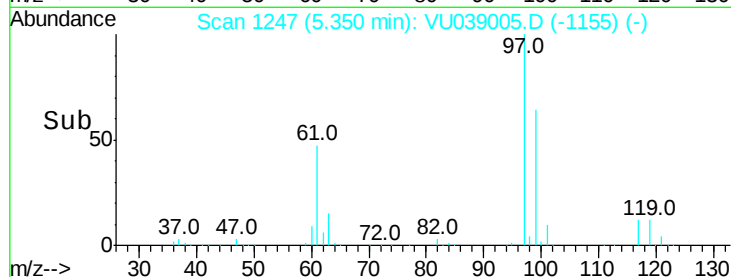
97 100

99 63.9 51.7 77.5

61 46.6 38.2 57.4



Abundance Ion 96.95 (96.65 to 97.65): VU039005.D (-1155) (-)



#30

Cyclohexane

Concen: 21.583 ug/L

RT: 5.42 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VU039005.D

Acq: 22 Jun 2020 14:39

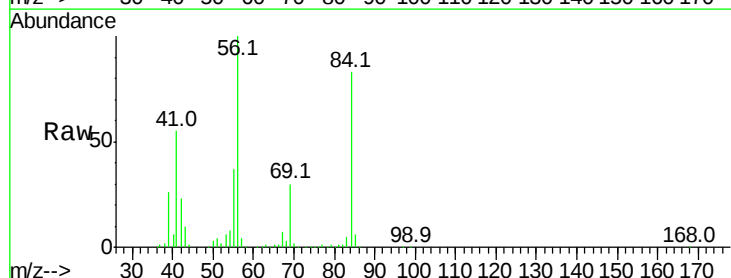
Tgt Ion: 56 Resp: 799352

Ion Ratio Lower Upper

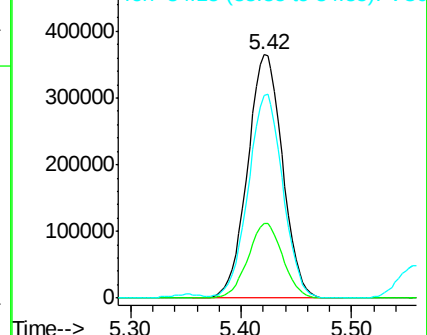
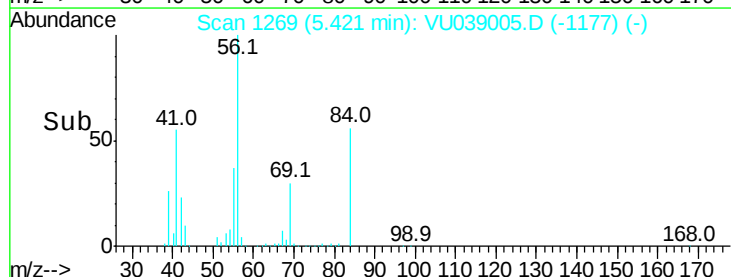
56 100

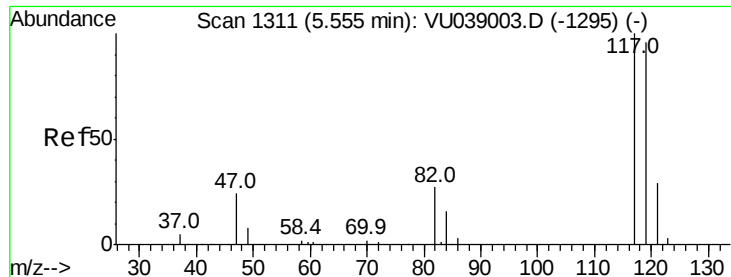
69 30.5 23.5 35.3

84 83.0 67.1 100.7



Abundance Ion 56.10 (55.80 to 56.80): VU039005.D (-1177) (-)

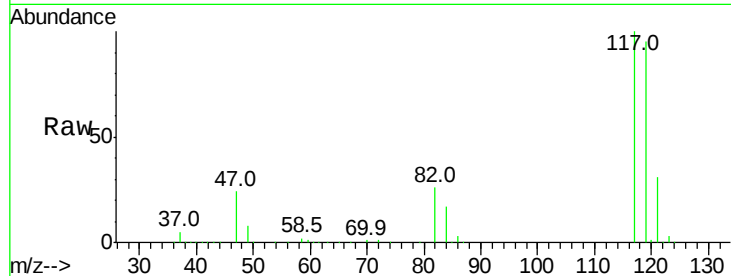




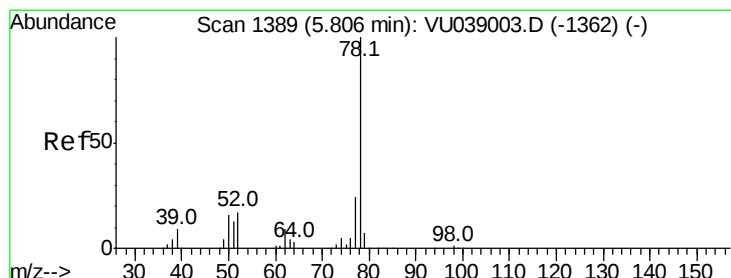
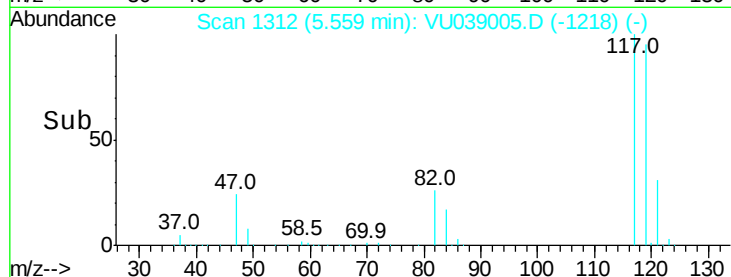
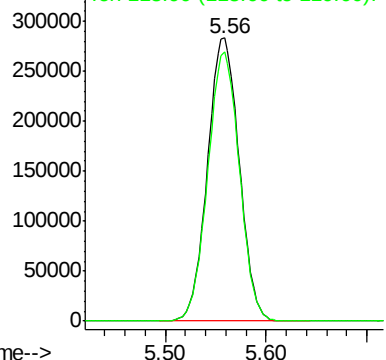
#31
Carbon tetrachloride
Concen: 19.559 ug/L
RT: 5.56 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU039005.D
Acq: 22 Jun 2020 14:39

Instrument :
MSVOA_U
ClientSampleId :
VSTD02004

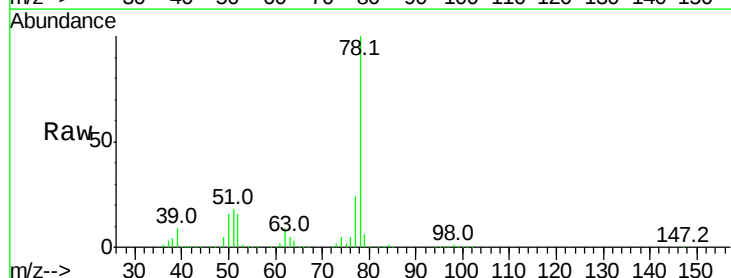
Tgt Ion:117 Resp: 616031
Ion Ratio Lower Upper
117 100
119 95.0 76.6 114.8



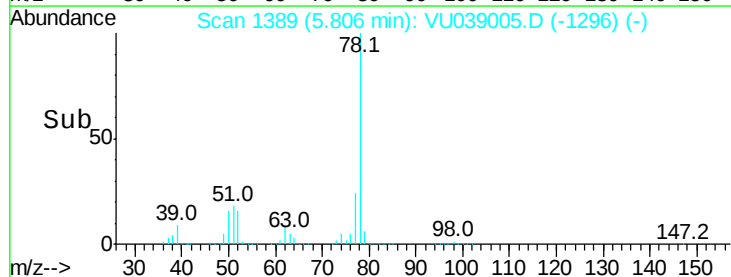
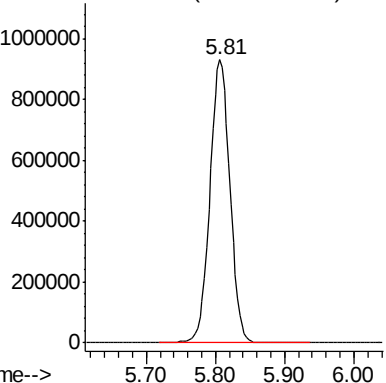
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V

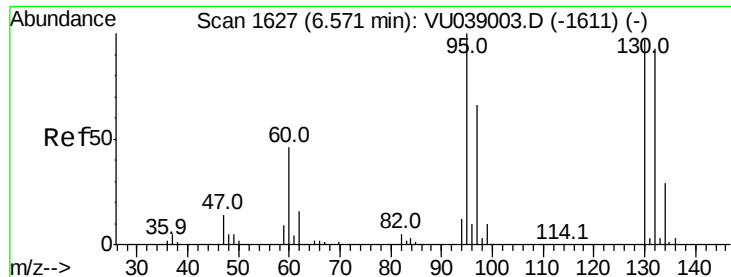


#33
Benzene
Concen: 19.777 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VU039005.D
Acq: 22 Jun 2020 14:39
Tgt Ion: 78 Resp: 1872268



Abundance Ion 78.10 (77.80 to 78.80): VU0

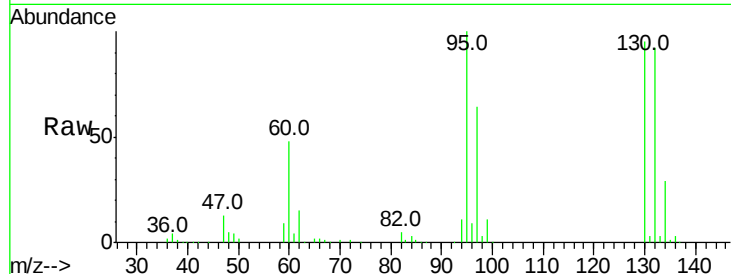




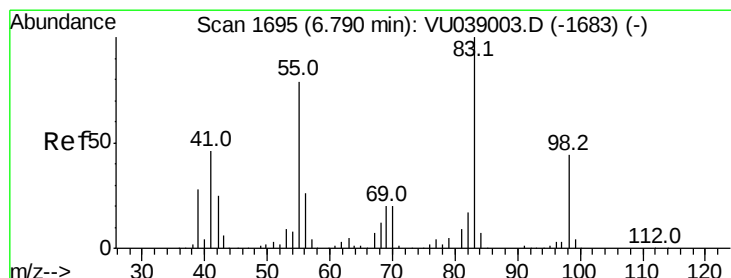
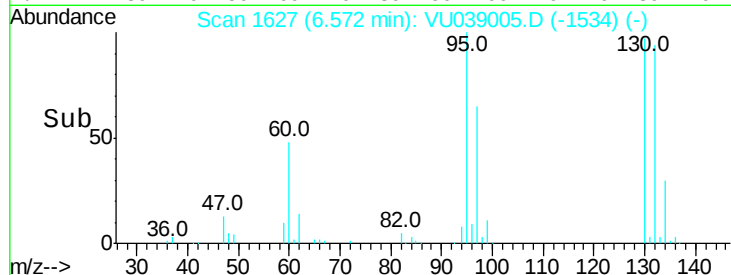
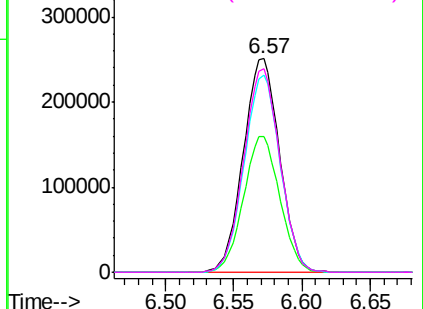
#34
 Trichloroethene
 Concen: 19.630 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU039005.D
 Acq: 22 Jun 2020 14:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02004

Tgt Ion:	95	Resp:	464455
Ion	Ratio	Lower	Upper
95	100		
97	63.8	46.0	85.4
132	92.1	65.0	120.6
130	95.0	68.0	126.2

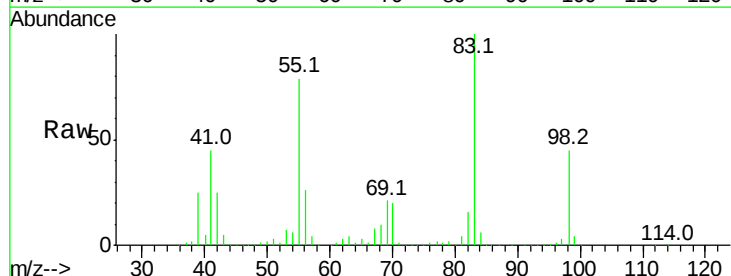


Abundance Ion 95.00 (94.70 to 95.70): VU039005.D (-1611) (-)
 Ion 96.95 (96.65 to 97.65): VU039005.D (-1611) (-)
 Ion 131.95 (131.65 to 132.65): VU039005.D (-1611) (-)
 Ion 129.95 (129.65 to 130.65): VU039005.D (-1611) (-)

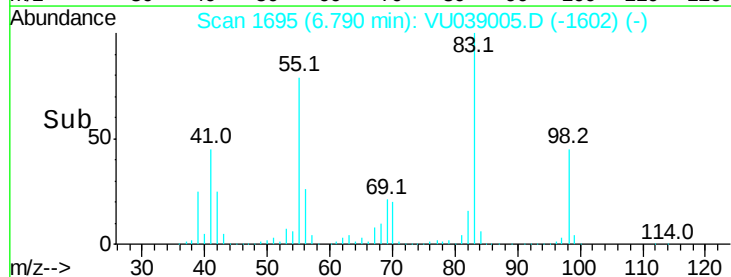
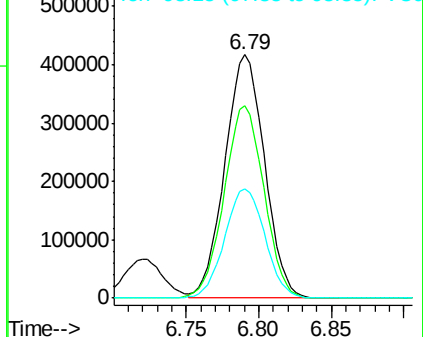


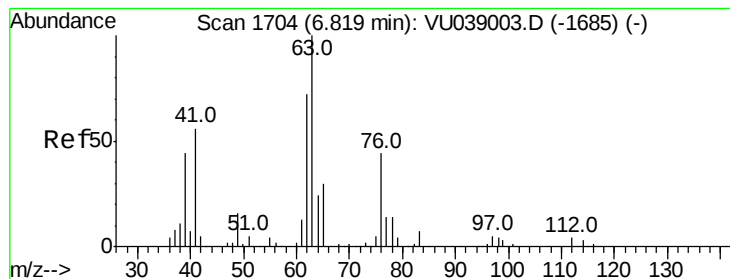
#35
 Methylcyclohexane
 Concen: 21.722 ug/L
 RT: 6.79 min Scan# 1695
 Delta R.T. 0.00 min
 Lab File: VU039005.D
 Acq: 22 Jun 2020 14:39

Tgt Ion:	83	Resp:	792409
Ion	Ratio	Lower	Upper
83	100		
55	79.0	65.1	97.7
98	45.6	37.0	55.4



Abundance Ion 83.15 (82.85 to 83.85): VU039005.D (-1683) (-)
 Ion 55.10 (54.80 to 55.80): VU039005.D (-1683) (-)
 Ion 98.15 (97.85 to 98.85): VU039005.D (-1683) (-)





#37

1,2-Dichloropropane

Concen: 19.540 ug/L

RT: 6.82 min Scan# 1704

Delta R.T. 0.00 min

Lab File: VU039005.D

Acq: 22 Jun 2020 14:39

Instrument :

MSVOA_U

ClientSampleId :

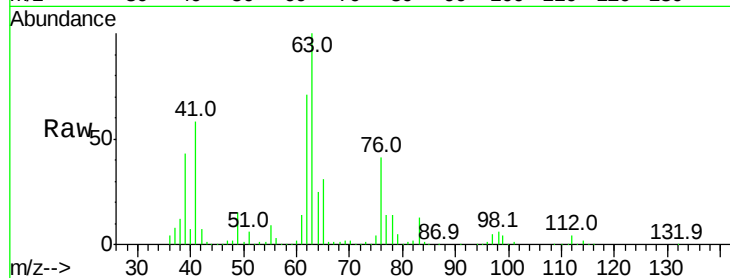
VSTD02004

Tgt Ion: 63 Resp: 498858

Ion Ratio Lower Upper

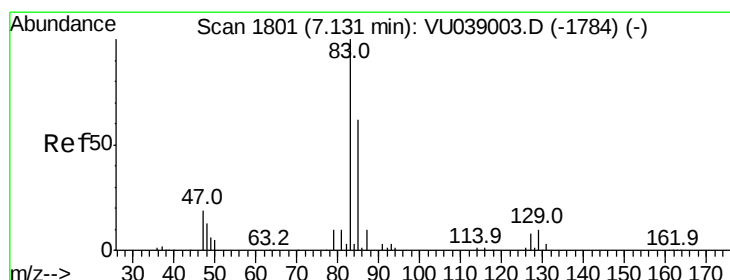
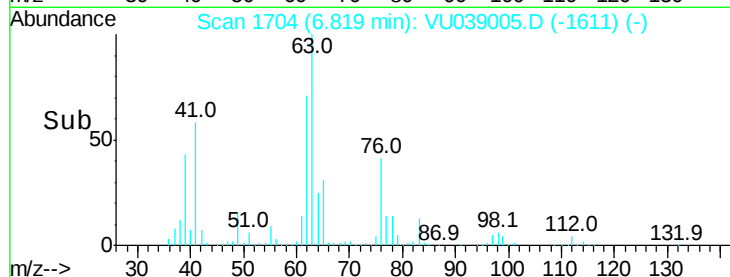
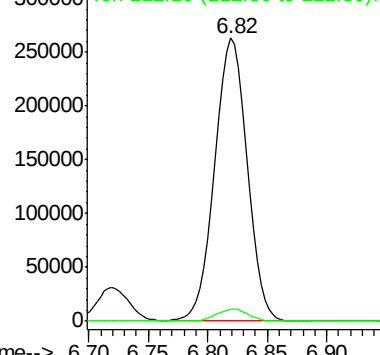
63 100

112 4.2 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: 18.629 ug/L

RT: 7.13 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VU039005.D

Acq: 22 Jun 2020 14:39

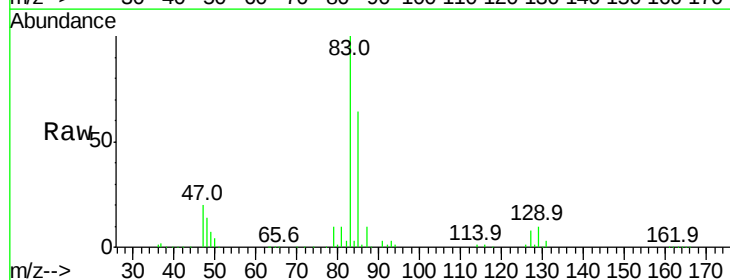
Tgt Ion: 83 Resp: 618559

Ion Ratio Lower Upper

83 100

85 64.2 43.6 81.0

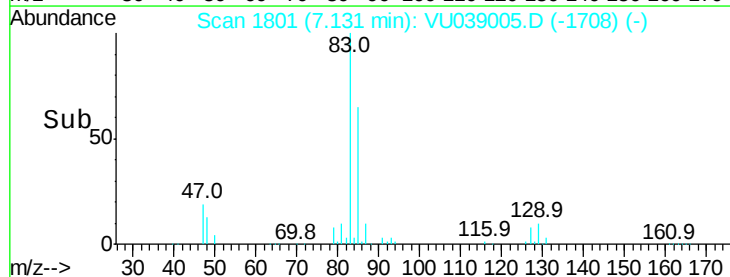
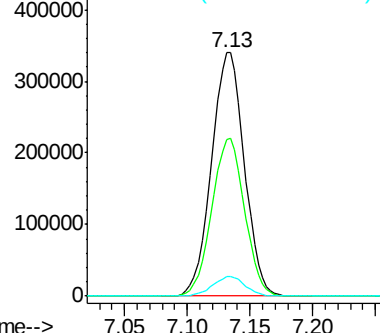
127 7.9 6.1 9.1

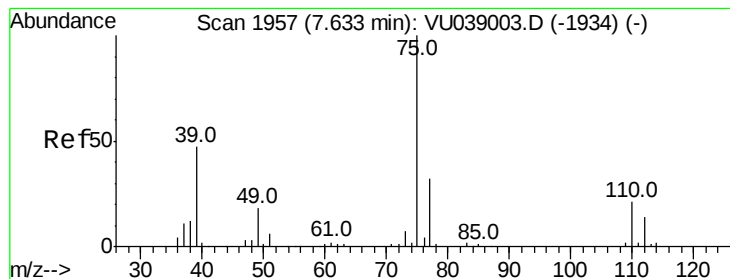


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 126.90 (126.60 to 127.60): V



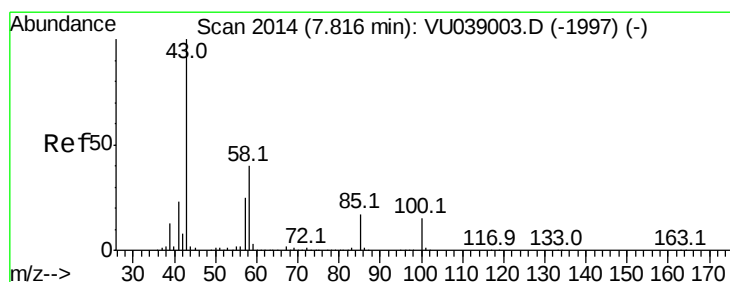
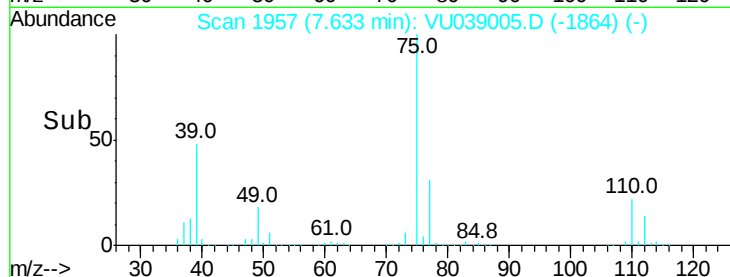
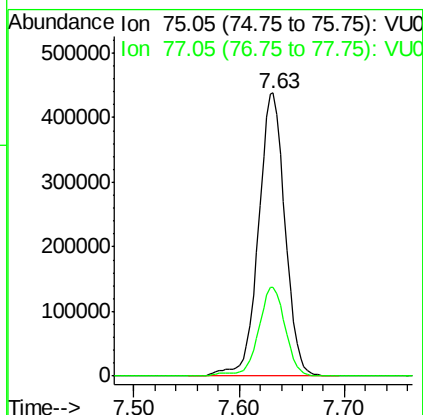
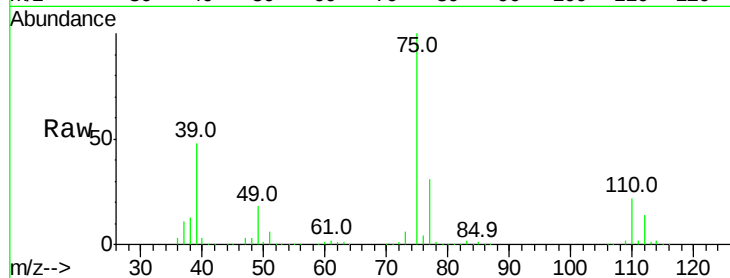


#39

cis-1,3-Dichloropropene
Concen: 19.049 ug/L
RT: 7.63 min Scan# 1957
Delta R.T. 0.00 min
Lab File: VU039005.D
Acq: 22 Jun 2020 14:39

Instrument :
MSVOA_U
ClientSampleId :
VSTD02004

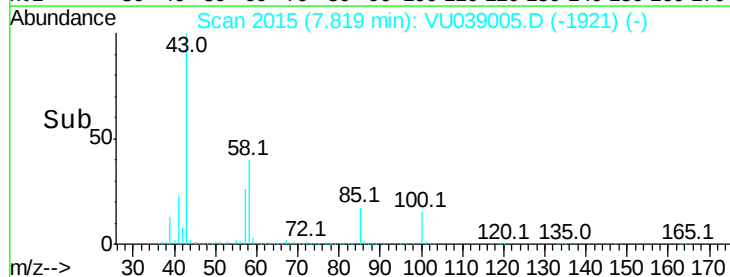
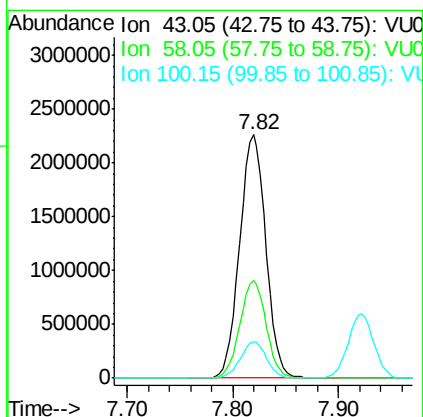
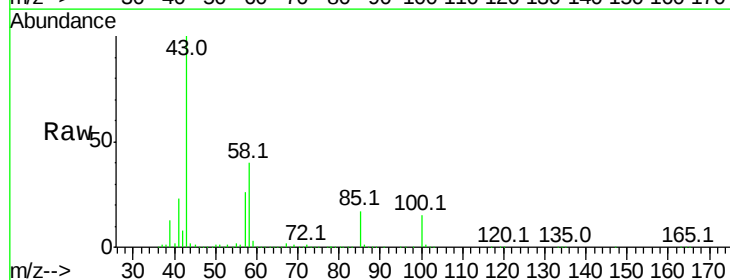
Tgt Ion: 75 Resp: 768556
Ion Ratio Lower Upper
75 100
77 31.4 22.0 41.0

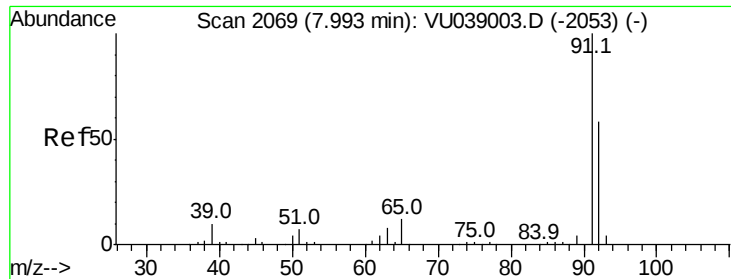


#40

4-Methyl-2-pentanone
Concen: 180.459 ug/L
RT: 7.82 min Scan# 2015
Delta R.T. 0.00 min
Lab File: VU039005.D
Acq: 22 Jun 2020 14:39

Tgt Ion: 43 Resp: 3906199
Ion Ratio Lower Upper
43 100
58 39.9 31.4 47.0
100 15.0 11.6 17.4





#42

Toluene

Concen: 18.494 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU039005.D

Acq: 22 Jun 2020 14:39

Instrument :

MSVOA_U

ClientSampleId :

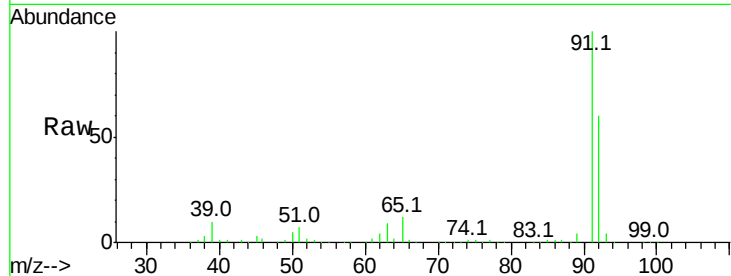
VSTD02004

Tgt Ion: 91 Resp: 1956560

Ion Ratio Lower Upper

91 100

92 60.1 40.9 76.0



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

Ion 92.15 (91.85 to 92.85): VU039003.D (-2053) (-)

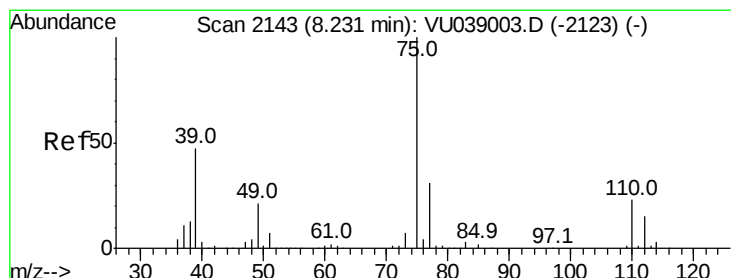
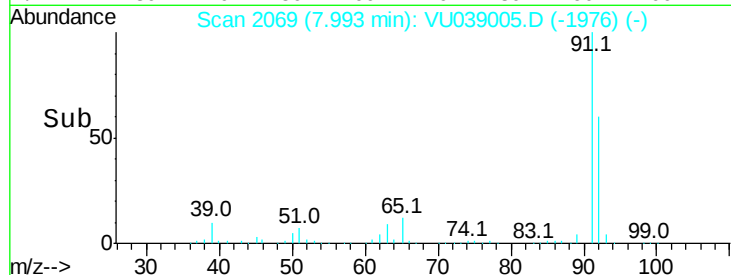
7.99

1000000

500000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 19.685 ug/L

RT: 8.23 min Scan# 2143

Delta R.T. 0.00 min

Lab File: VU039005.D

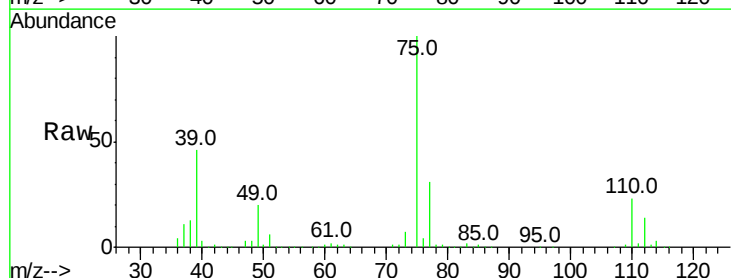
Acq: 22 Jun 2020 14:39

Tgt Ion: 75 Resp: 695623

Ion Ratio Lower Upper

75 100

77 31.4 21.8 40.6



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

Ion 77.05 (76.75 to 77.75): VU039003.D (-2123) (-)

8.23

400000

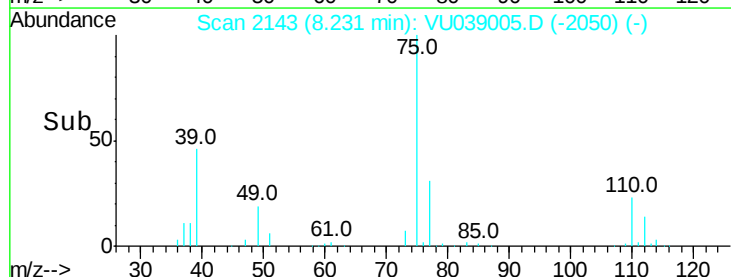
300000

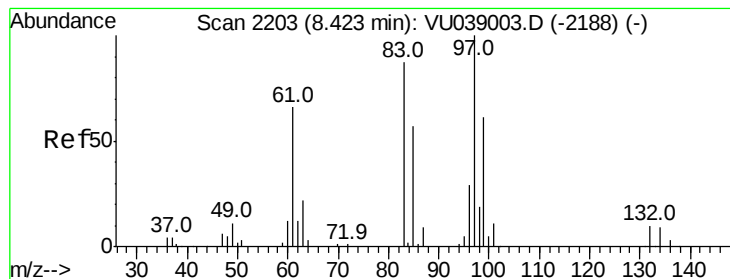
200000

100000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 17.688 ug/L

RT: 8.42 min Scan# 2202

Delta R.T. -0.00 min

Lab File: VU039005.D

Acq: 22 Jun 2020 14:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD02004

Tgt Ion: 97 Resp: 356677

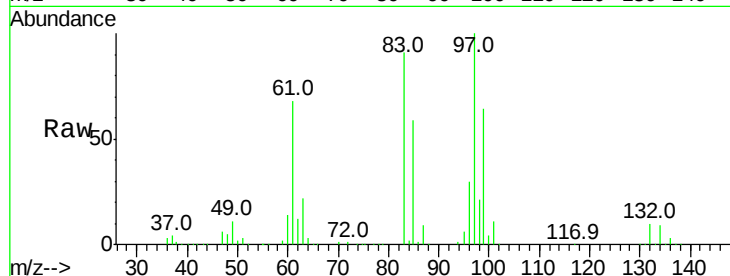
Ion Ratio Lower Upper

97 100

99 64.5 42.8 79.4

83 91.3 60.9 113.1

85 58.5 40.2 74.6

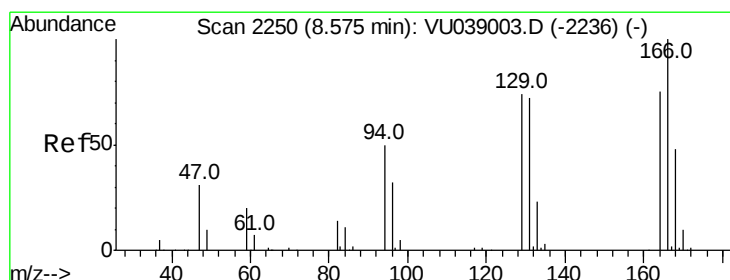
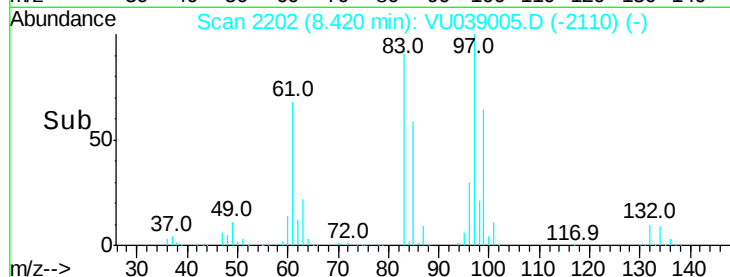
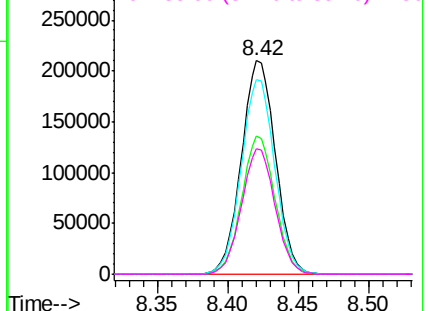


Abundance Ion 96.95 (96.65 to 97.65): VU039003.D (-2188) (-)

Ion 99.05 (98.75 to 99.75): VU039003.D (-2188) (-)

Ion 82.95 (82.65 to 83.65): VU039003.D (-2188) (-)

Ion 85.00 (84.70 to 85.70): VU039003.D (-2188) (-)



#47

Tetrachloroethene

Concen: 18.202 ug/L

RT: 8.57 min Scan# 2249

Delta R.T. -0.00 min

Lab File: VU039005.D

Acq: 22 Jun 2020 14:39

Tgt Ion: 164 Resp: 327594

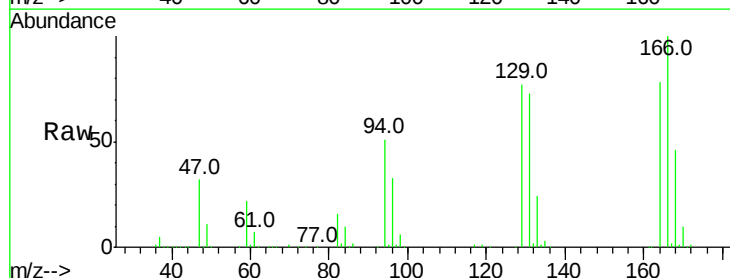
Ion Ratio Lower Upper

164 100

129 98.5 69.2 128.6

131 93.9 66.9 124.3

166 128.1 93.0 172.8

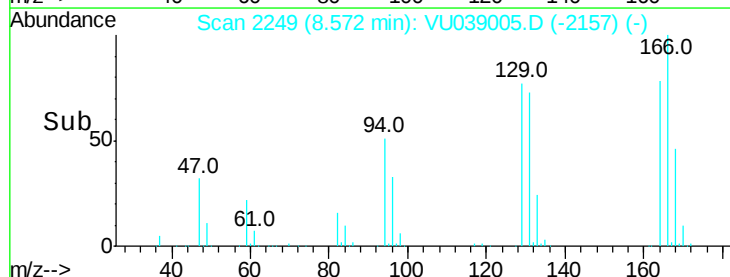
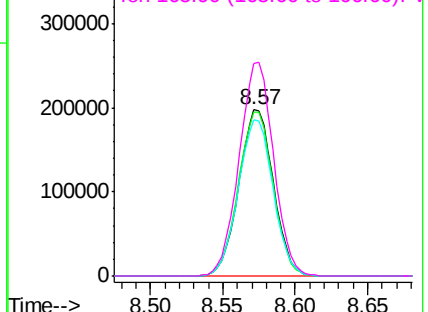


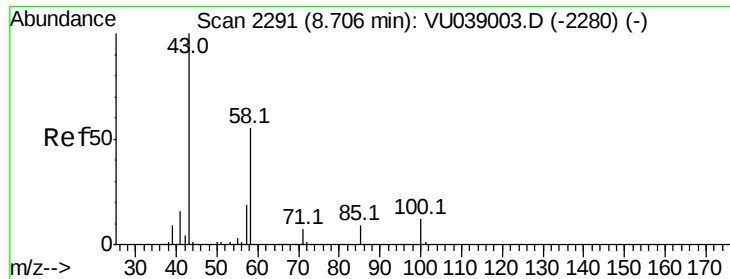
Abundance Ion 163.90 (163.60 to 164.60): VU039003.D (-2236) (-)

Ion 128.95 (128.65 to 129.65): VU039003.D (-2236) (-)

Ion 130.95 (130.65 to 131.65): VU039003.D (-2236) (-)

Ion 165.90 (165.60 to 166.60): VU039003.D (-2236) (-)



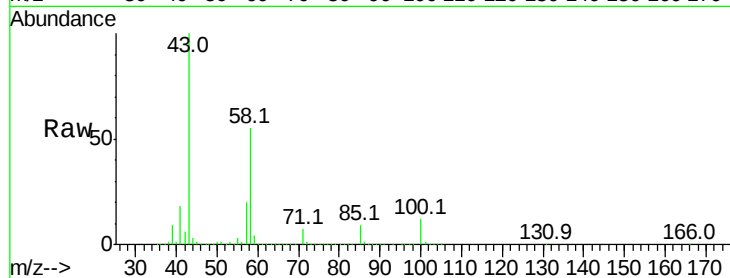


#48
2-Hexanone
Concen: 201.431 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU039005.D
Acq: 22 Jun 2020 14:39

Instrument :
MSVOA_U
ClientSampled :
VSTD02004

Tgt Ion: 43 Resp: 2920999

Ion	Ratio	Lower	Upper
43	100		
58	55.5	43.5	65.3
57	19.6	15.0	22.4
100	11.9	9.4	14.2

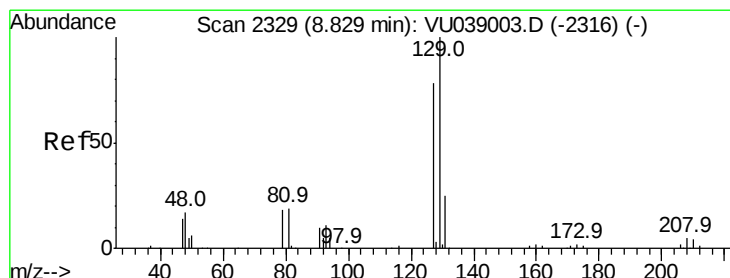
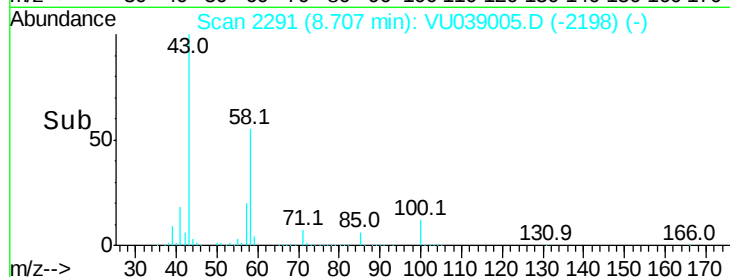
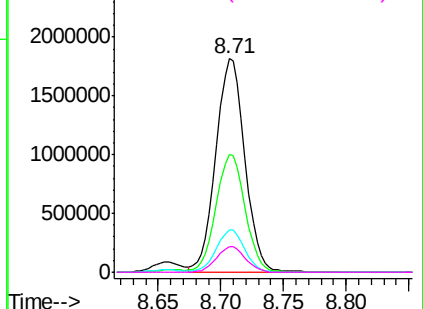


Abundance Ion 43.05 (42.75 to 43.75): VU039005.D (-2280) (-)

Ion 58.05 (57.75 to 58.75): VU039005.D (-2280) (-)

Ion 57.20 (56.90 to 57.90): VU039005.D (-2280) (-)

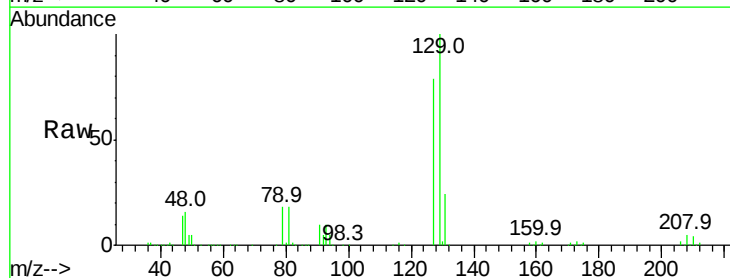
Ion 100.15 (99.85 to 100.85): VU039005.D (-2280) (-)



#49
Dibromochloromethane
Concen: 18.877 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU039005.D
Acq: 22 Jun 2020 14:39

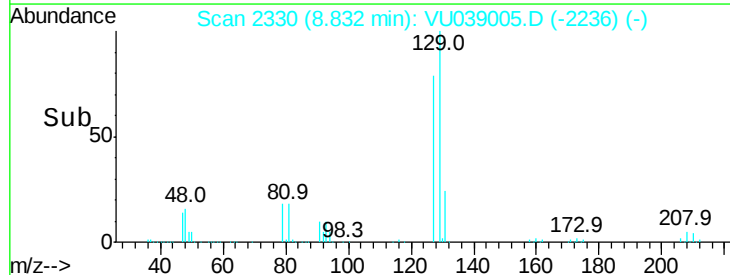
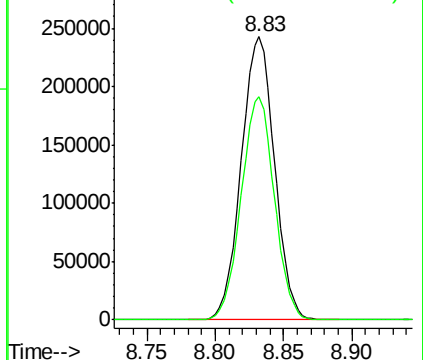
Tgt Ion: 129 Resp: 411133

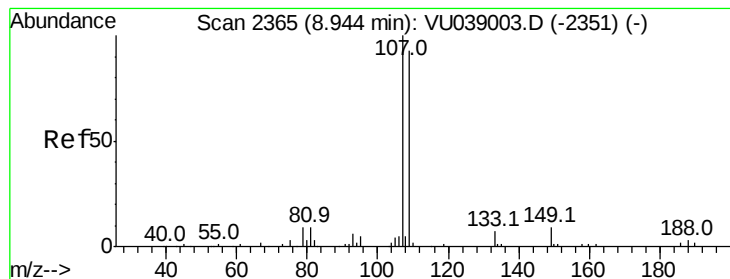
Ion	Ratio	Lower	Upper
129	100		
127	78.9	54.7	101.5



Abundance Ion 128.95 (128.65 to 129.65): VU039005.D (-2316) (-)

Ion 126.90 (126.60 to 127.60): VU039005.D (-2316) (-)





#50

1,2-Dibromoethane

Concen: 18.602 ug/L

RT: 8.94 min Scan# 2365

Delta R.T. 0.00 min

Lab File: VU039005.D

Acq: 22 Jun 2020 14:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD02004

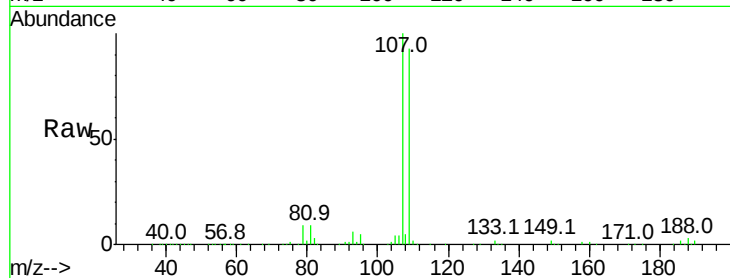
Tgt Ion:107 Resp: 348052

Ion Ratio Lower Upper

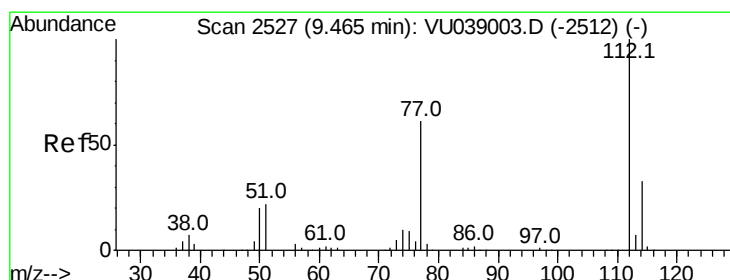
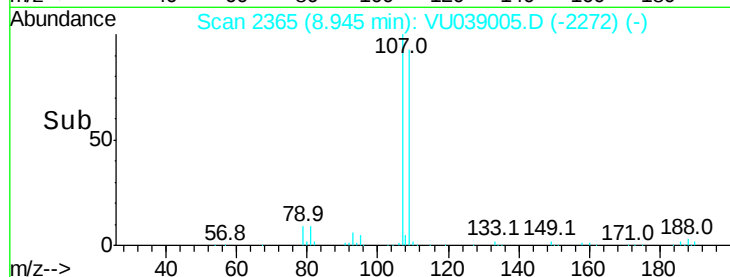
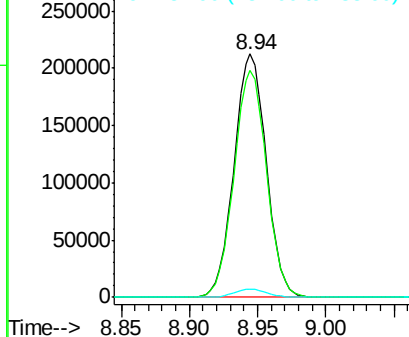
107 100

109 93.1 65.0 120.6

188 3.3 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: 19.773 ug/L

RT: 9.47 min Scan# 2527

Delta R.T. 0.00 min

Lab File: VU039005.D

Acq: 22 Jun 2020 14:39

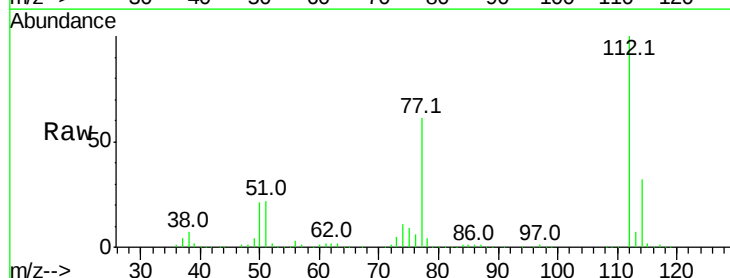
Tgt Ion:112 Resp: 1218799

Ion Ratio Lower Upper

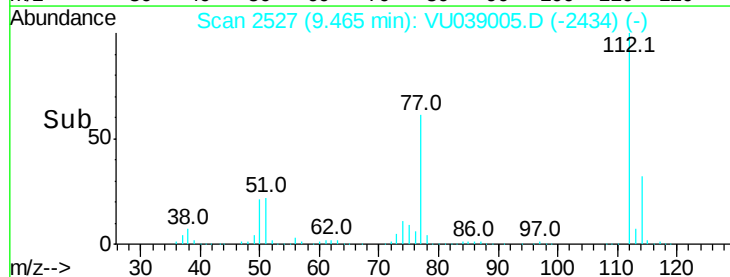
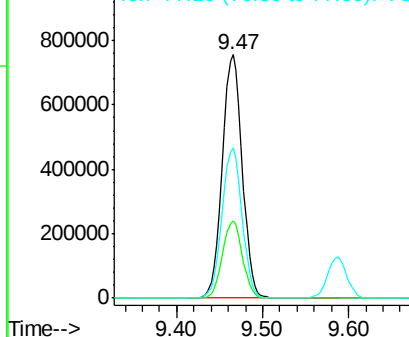
112 100

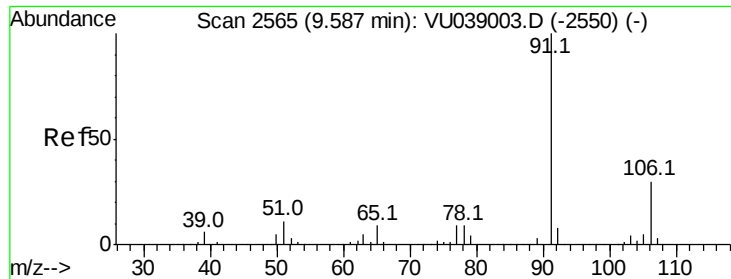
114 31.6 23.0 42.8

77 61.5 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: 20.886 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. 0.00 min

Lab File: VU039005.D

Acq: 22 Jun 2020 14:39

Instrument :

MSVOA_U

ClientSampleId :

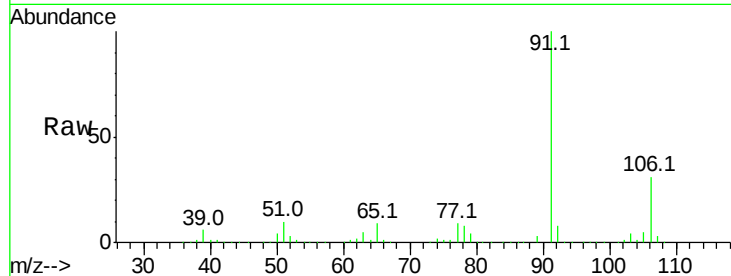
VSTD02004

Tgt Ion: 91 Resp: 2215786

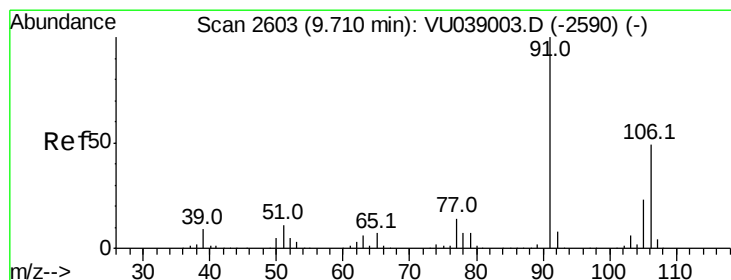
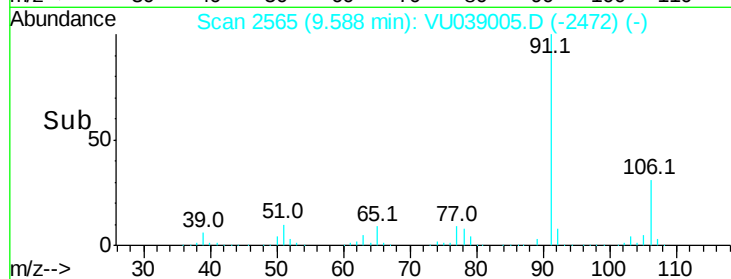
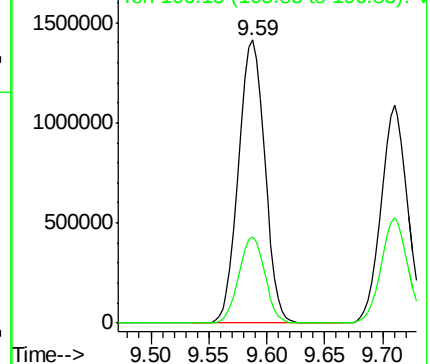
Ion Ratio Lower Upper

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: 21.182 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VU039005.D

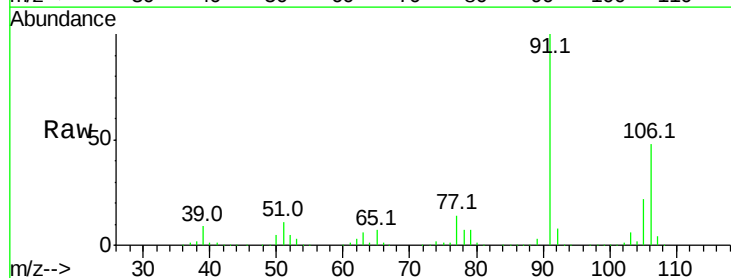
Acq: 22 Jun 2020 14:39

Tgt Ion: 106 Resp: 845373

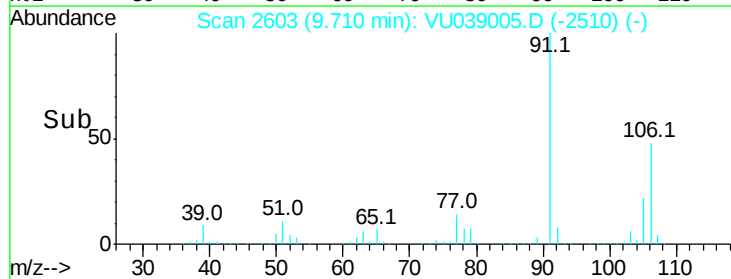
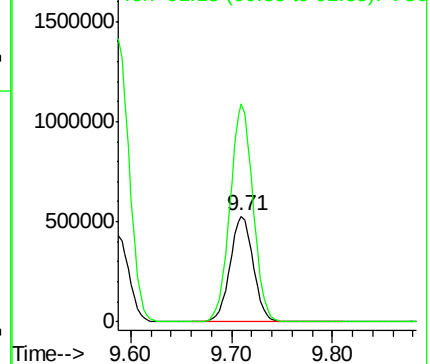
Ion Ratio Lower Upper

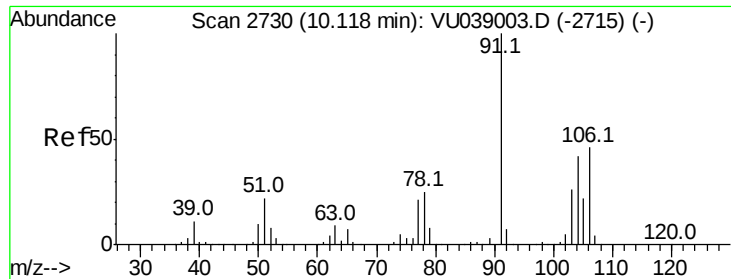
106 100

91 206.2 144.4 268.2



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

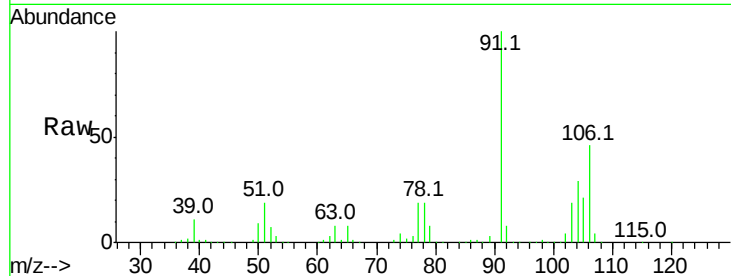




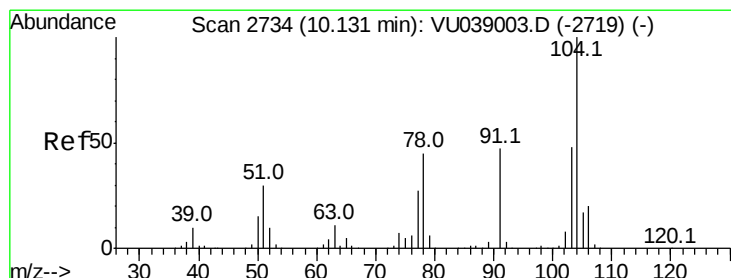
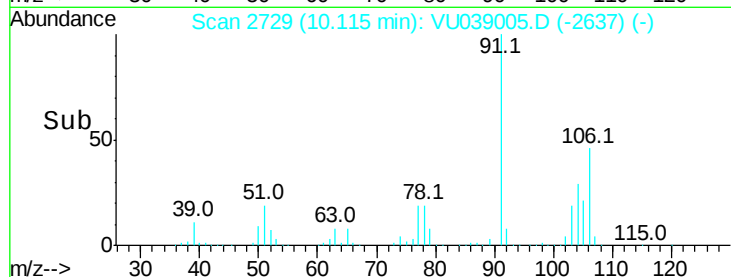
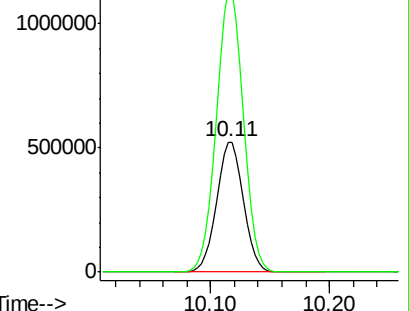
#54
o-Xylene
Concen: 21.099 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU039005.D
Acq: 22 Jun 2020 14:39

Instrument :
MSVOA_U
ClientSampleId :
VSTD02004

Tgt Ion:106 Resp: 817100
Ion Ratio Lower Upper
106 100
91 217.4 153.3 284.7

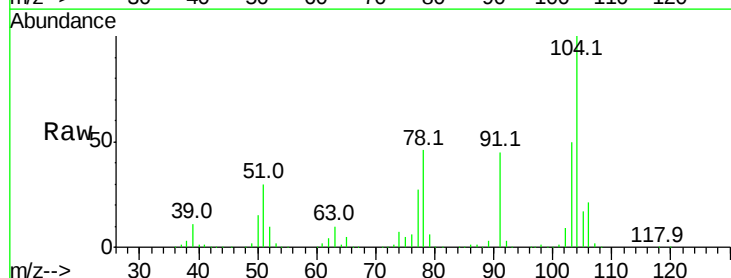


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

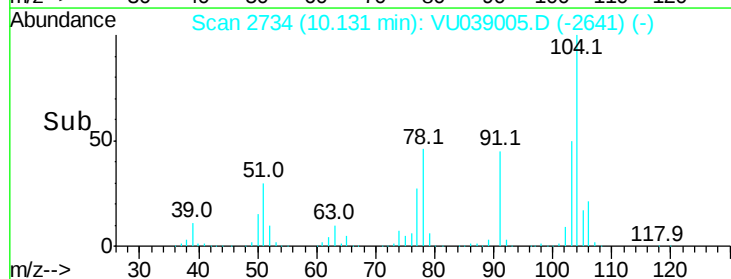
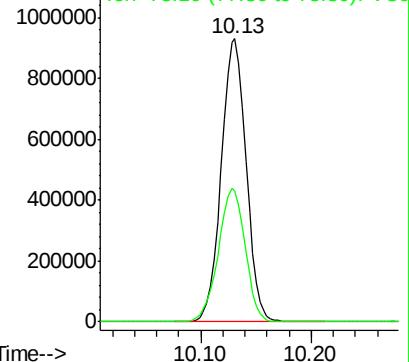


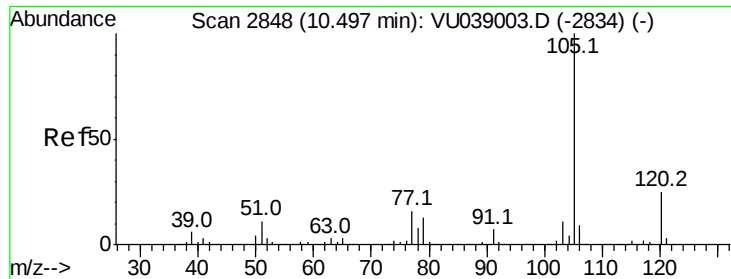
#55
Styrene
Concen: 21.888 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU039005.D
Acq: 22 Jun 2020 14:39

Tgt Ion:104 Resp: 1455114
Ion Ratio Lower Upper
104 100
78 46.3 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: 21.865 ug/L

RT: 10.50 min Scan# 2848

Delta R.T. 0.00 min

Lab File: VU039005.D

Acq: 22 Jun 2020 14:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD02004

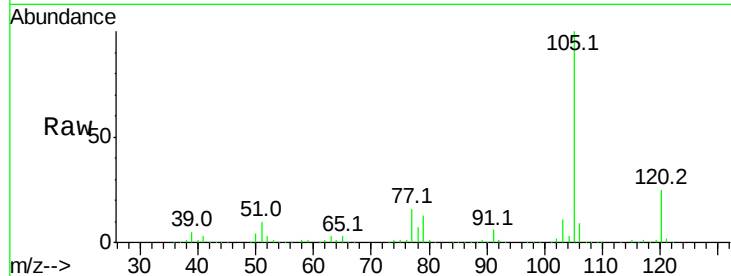
Tgt Ion:105 Resp: 2194304

Ion Ratio Lower Upper

105 100

120 25.5 20.1 30.1

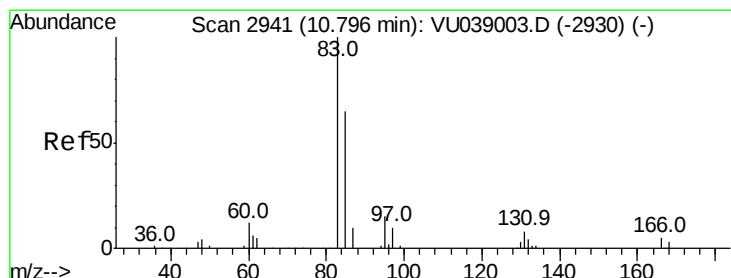
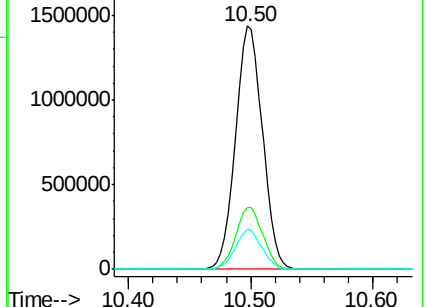
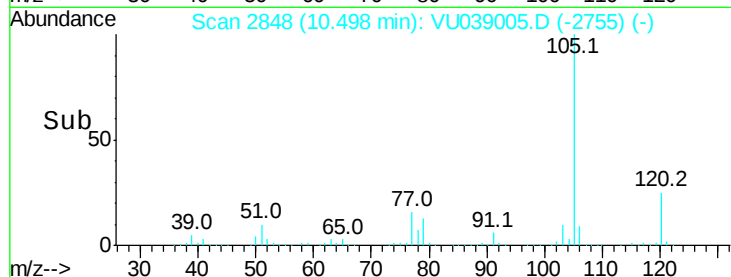
77 16.2 13.0 19.4



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: 20.162 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. 0.00 min

Lab File: VU039005.D

Acq: 22 Jun 2020 14:39

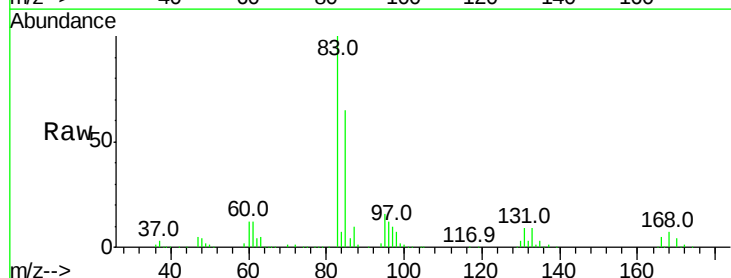
Tgt Ion: 83 Resp: 499157

Ion Ratio Lower Upper

83 100

85 64.5 45.2 84.0

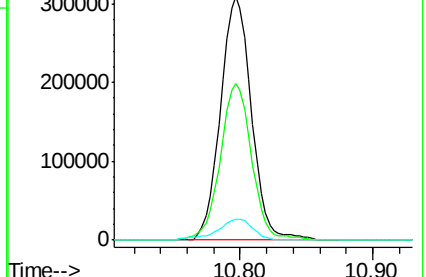
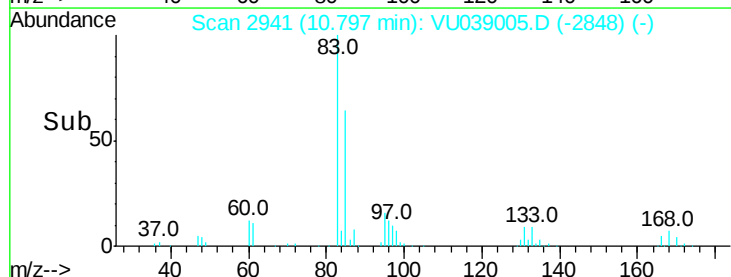
131 8.8 7.6 11.4

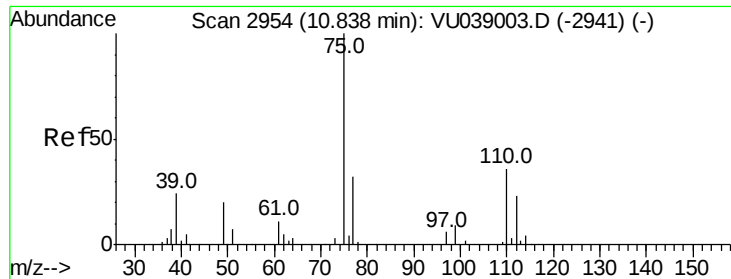


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 20.010 ug/L

RT: 10.84 min Scan# 2954

Delta R.T. 0.00 min

Lab File: VU039005.D

Acq: 22 Jun 2020 14:39

Instrument :

MSVOA_U

ClientSampleId :

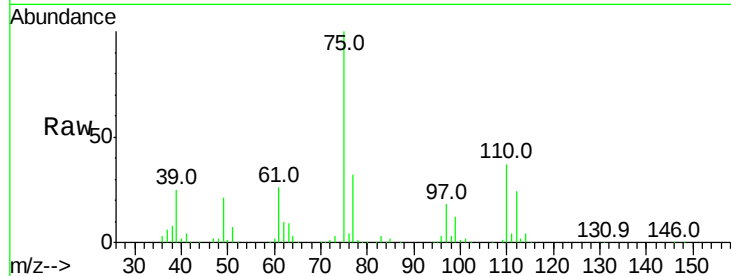
VSTD02004

Tgt Ion: 75 Resp: 367761

Ion Ratio Lower Upper

75 100

77 32.8 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

250000

200000

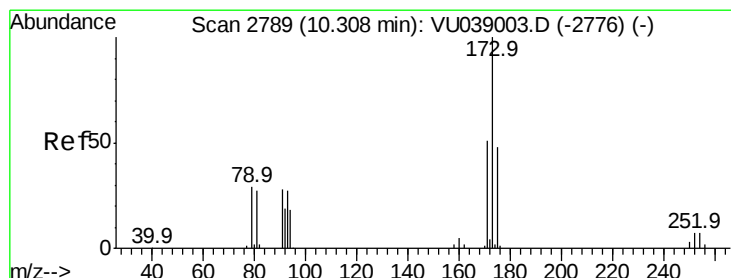
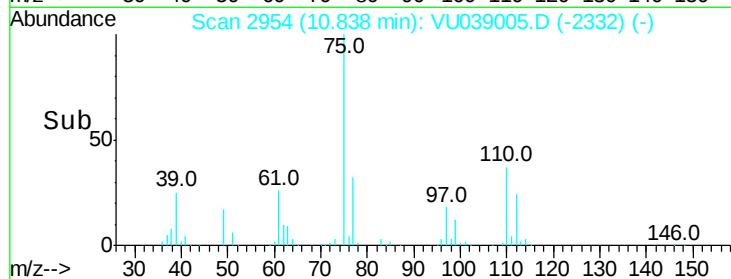
150000

100000

50000

0

Time--> 10.75 10.80 10.85 10.90



#61

Bromoform

Concen: 19.167 ug/L

RT: 10.31 min Scan# 2789

Delta R.T. 0.00 min

Lab File: VU039005.D

Acq: 22 Jun 2020 14:39

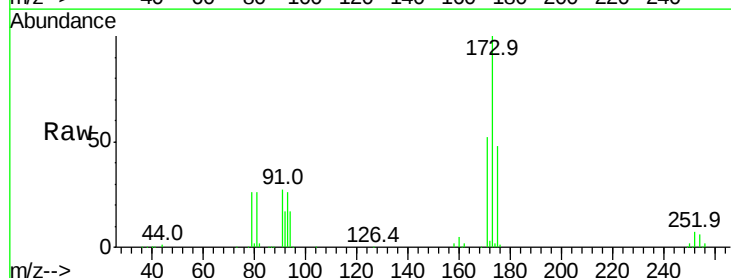
Tgt Ion: 173 Resp: 242016

Ion Ratio Lower Upper

173 100

175 47.7 38.1 57.1

254 6.2 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

200000

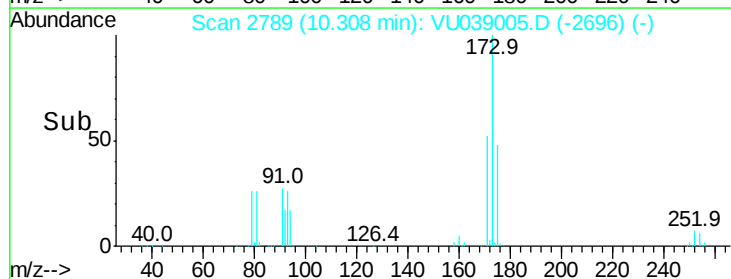
150000

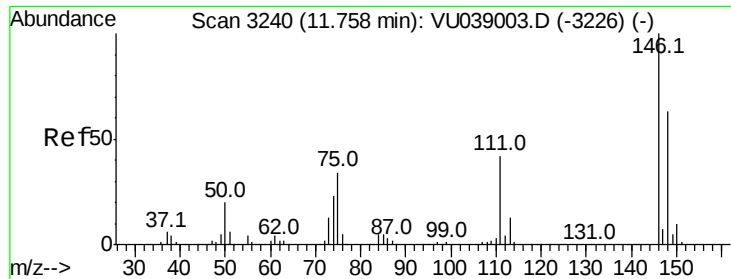
100000

50000

0

Time--> 10.30 10.40

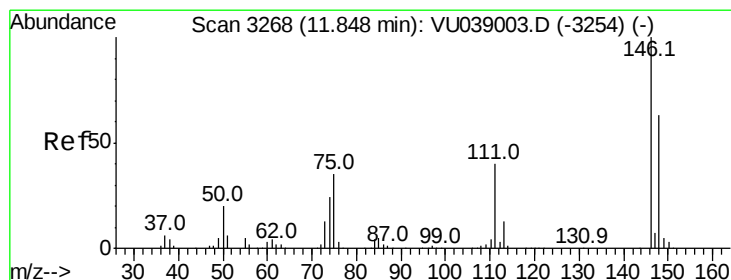
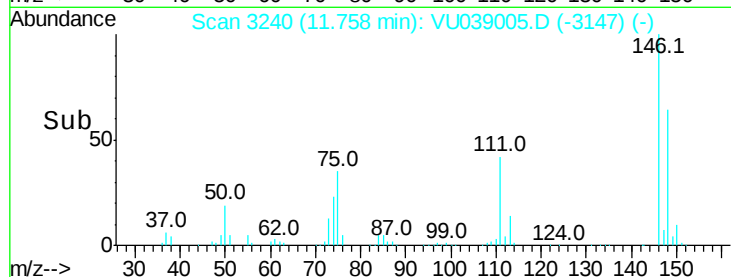
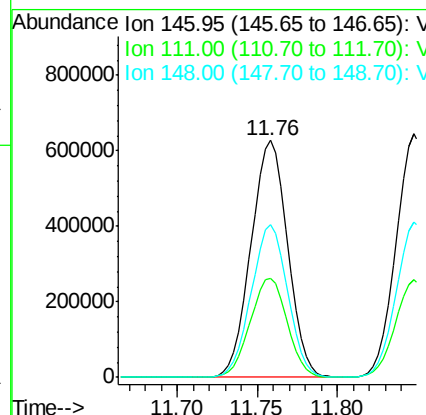
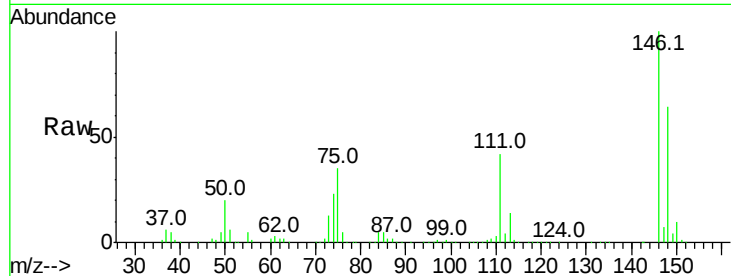




#62
 1,3-Dichlorobenzene
 Concen: 19.543 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. 0.00 min
 Lab File: VU039005.D
 Acq: 22 Jun 2020 14:39

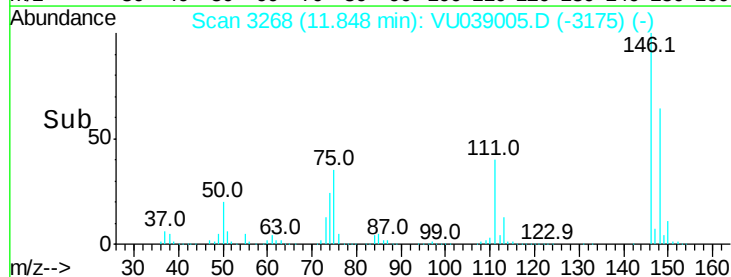
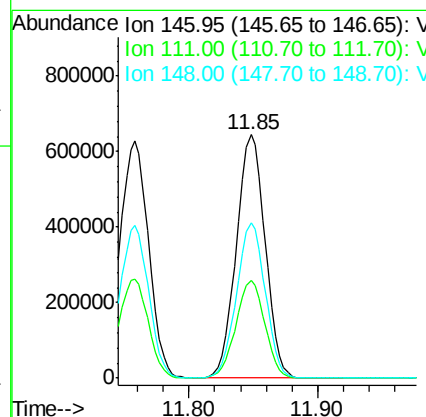
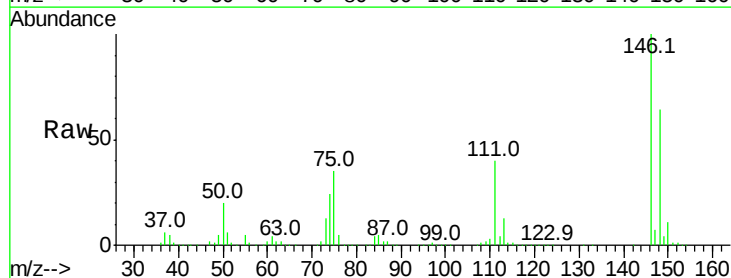
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02004

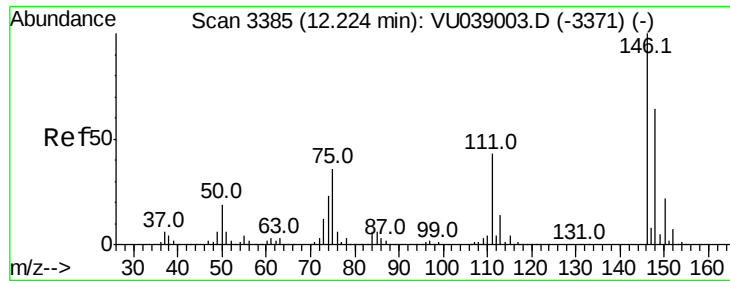
Tgt Ion:146 Resp: 986088
 Ion Ratio Lower Upper
 146 100
 111 42.0 29.3 54.5
 148 64.5 43.8 81.3



#63
 1,4-Dichlorobenzene
 Concen: 19.250 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. 0.00 min
 Lab File: VU039005.D
 Acq: 22 Jun 2020 14:39

Tgt Ion:146 Resp: 998185
 Ion Ratio Lower Upper
 146 100
 111 40.0 27.9 51.7
 148 64.0 44.2 82.2

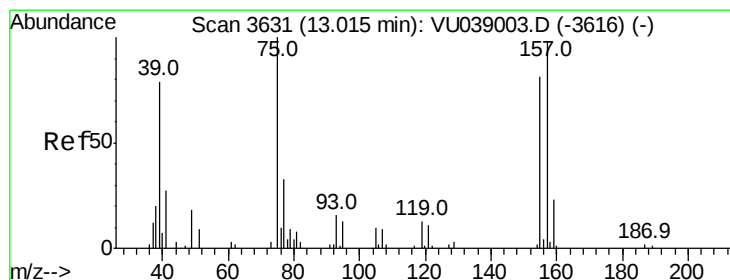
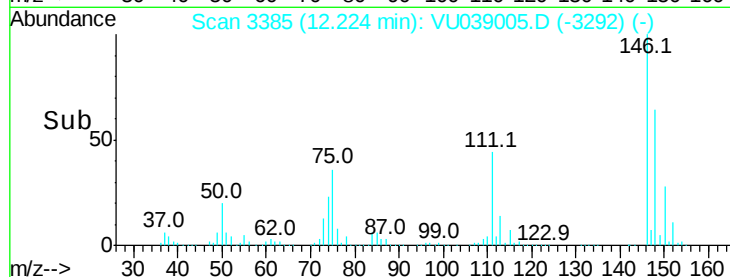
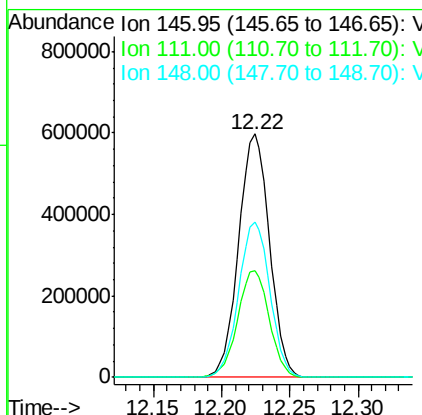
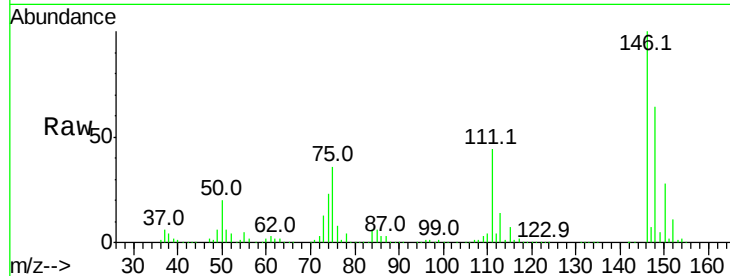




#65
 1,2-Dichlorobenzene
 Concen: 19.413 ug/L
 RT: 12.22 min Scan# 3385
 Delta R.T. 0.00 min
 Lab File: VU039005.D
 Acq: 22 Jun 2020 14:39

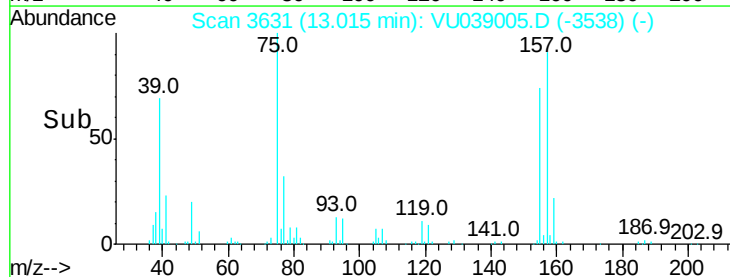
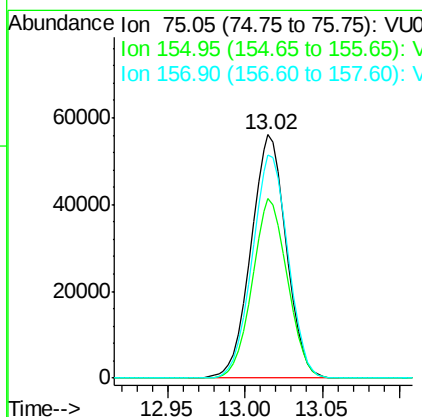
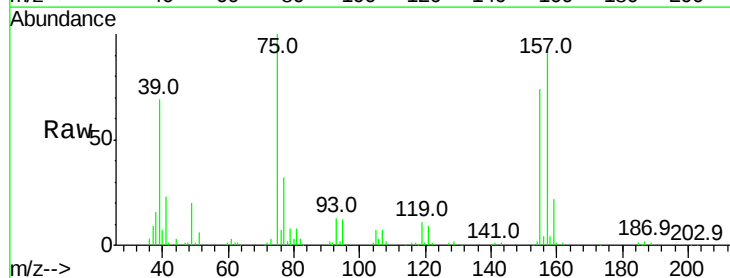
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02004

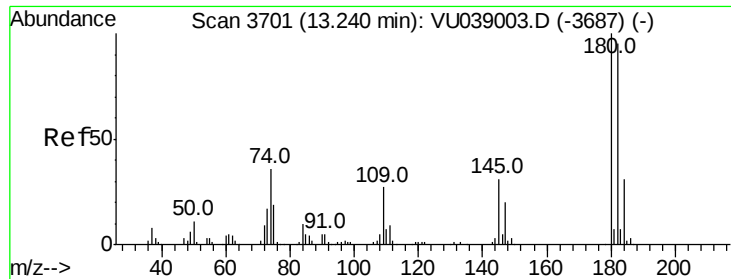
Tgt Ion: 146 Resp: 939569
 Ion Ratio Lower Upper
 146 100
 111 44.0 34.2 51.2
 148 63.7 51.4 77.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 19.729 ug/L
 RT: 13.02 min Scan# 3631
 Delta R.T. 0.00 min
 Lab File: VU039005.D
 Acq: 22 Jun 2020 14:39

Tgt Ion: 75 Resp: 89154
 Ion Ratio Lower Upper
 75 100
 155 73.9 64.5 96.7
 157 91.4 78.2 117.2

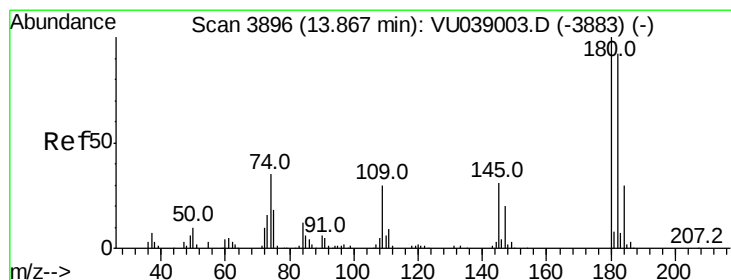
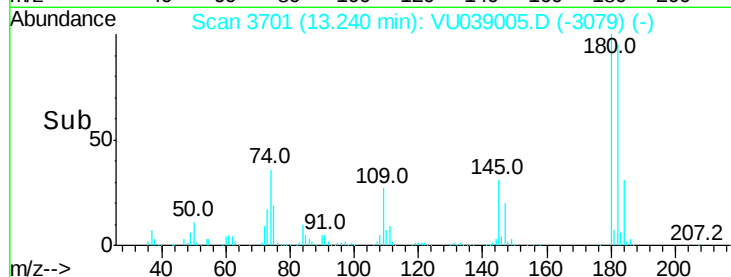
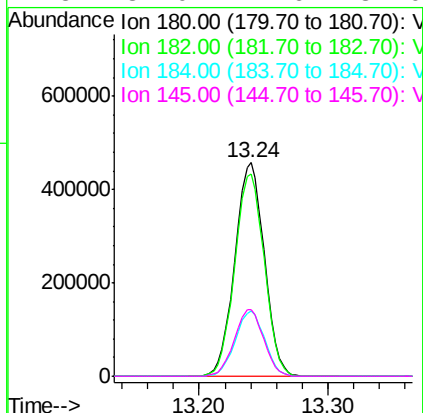
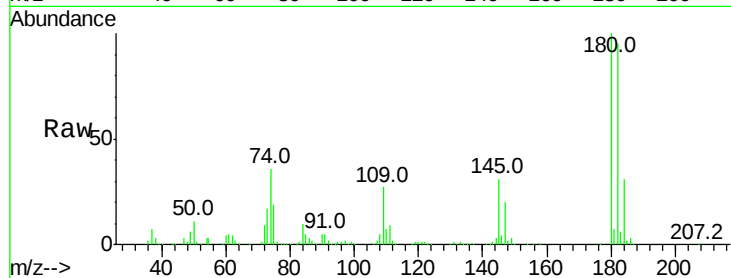




#67
 1,3,5-Trichlorobenzene
 Concen: 18.758 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU039005.D
 Acq: 22 Jun 2020 14:39

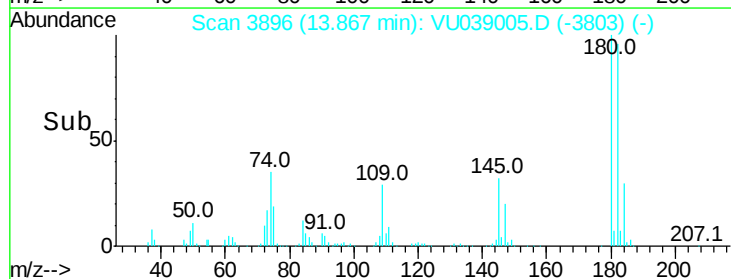
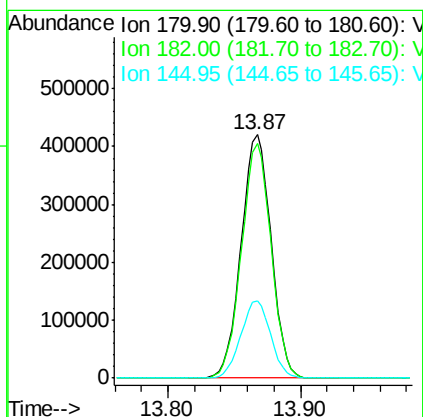
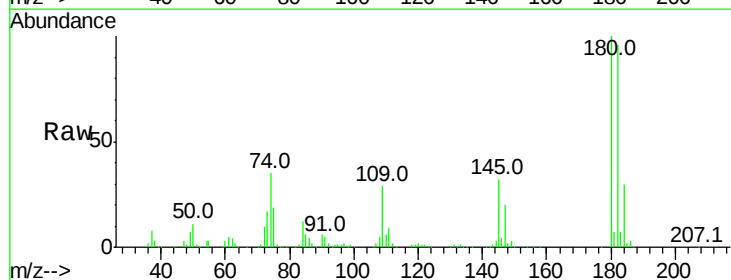
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02004

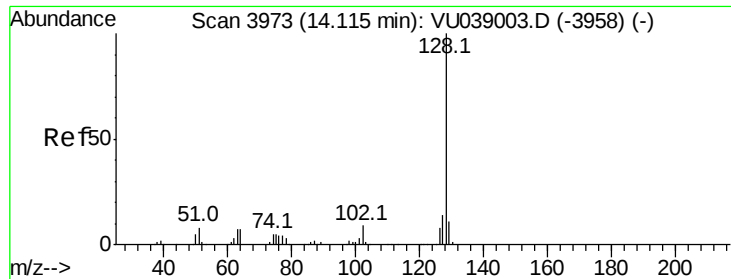
Tgt Ion:180 Resp: 724242
 Ion Ratio Lower Upper
 180 100
 182 94.9 77.2 115.8
 184 30.4 24.8 37.2
 145 31.0 24.6 37.0



#68
 1,2,4-trichlorobenzene
 Concen: 19.264 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. 0.00 min
 Lab File: VU039005.D
 Acq: 22 Jun 2020 14:39

Tgt Ion:180 Resp: 659944
 Ion Ratio Lower Upper
 180 100
 182 95.2 75.1 112.7
 145 31.6 25.0 37.4





#69

Naphthalene

Concen: 22.831 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. 0.00 min

Lab File: VU039005.D

Acq: 22 Jun 2020 14:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD02004

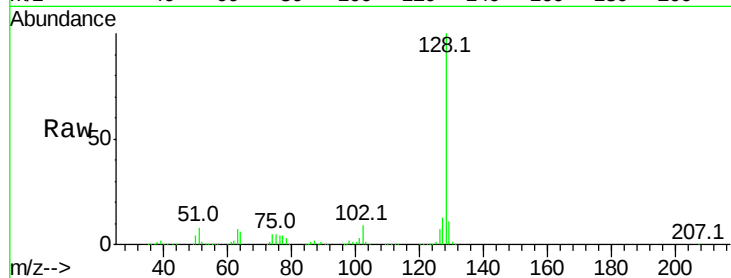
Tgt Ion:128 Resp: 1435473

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

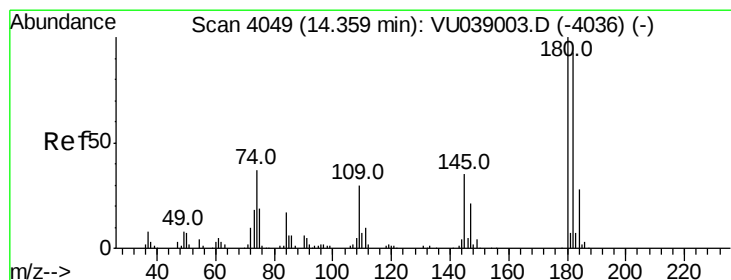
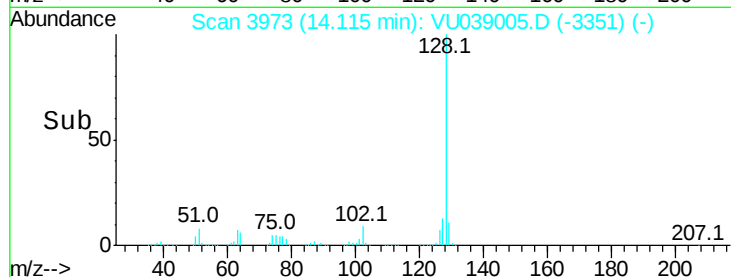
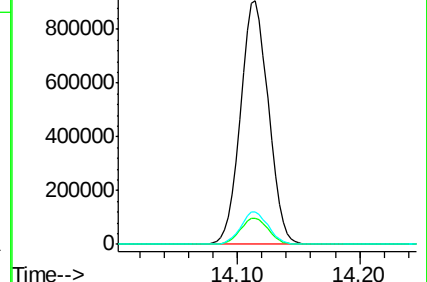
127 13.2 10.9 16.3



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: 18.748 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. 0.00 min

Lab File: VU039005.D

Acq: 22 Jun 2020 14:39

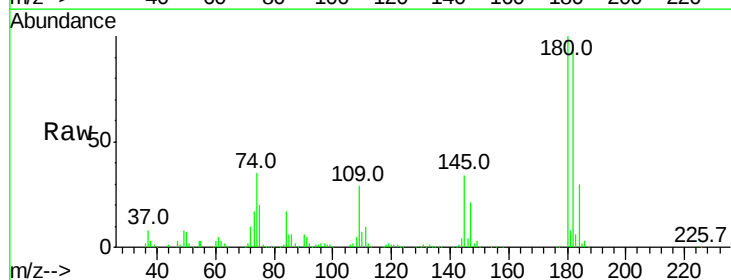
Tgt Ion:180 Resp: 613226

Ion Ratio Lower Upper

180 100

182 95.5 75.1 112.7

145 33.7 27.8 41.8



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

