

Data File : VU039002.D
Acq On : 22 Jun 2020 13:29
Operator : SY/MD
Sample : VSTD001
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00101

Quant Time: Jun 22 15:00:14 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	259204	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	261659	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	125582	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	22815	0.95	ug/L	0.00
7) Chloroethane-d5	1.93	69	16163	0.91	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	41149	0.95	ug/L	0.00
20) 2-Butanone-d5	4.67	46	67567	9.36	ug/L	0.00
24) Chloroform-d	5.10	84	40707	0.98	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	25062	1.03	ug/L	0.00
32) Benzene-d6	5.76	84	77828	0.97	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	26794	1.04	ug/L	0.00
41) Toluene-d8	7.92	98	66661	0.85	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	11512	0.94	ug/L	0.00
46) 2-Hexanone-d5	8.66	63	47207	8.87	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	23001	1.00	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.20	152	25432	1.01	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	27095	1.022 ug/L	95
3) Chloromethane	1.53	50	14301	0.545 ug/L	100
5) Vinyl chloride	1.62	62	27988	1.022 ug/L	98
6) Bromomethane	1.87	94	6277	0.597 ug/L	93
8) Chloroethane	1.95	64	58421	3.750 ug/L #	75
9) Trichlorofluoromethane	2.16	101	36408	1.021 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	21942	1.046 ug/L	98
12) 1,1-Dichloroethene	2.60	96	19883	1.035 ug/L	83
13) Acetone	2.67	43	45070	10.148 ug/L	99
14) Carbon disulfide	2.82	76	69557	1.063 ug/L	98
15) Methyl Acetate	2.99	43	11237	1.019 ug/L	100
16) Methylene chloride	3.07	84	25550	1.082 ug/L	98
17) Methyl tert-butyl Ether	3.40	73	40805	0.802 ug/L	98
18) trans-1,2-Dichloroethene	3.39	96	20866	1.029 ug/L	96
19) 1,1-Dichloroethane	3.91	63	41820	1.068 ug/L	99
21) 2-Butanone	4.75	43	67788	9.462 ug/L	98
22) cis-1,2-Dichloroethene	4.71	96	21850	1.016 ug/L	91
23) Bromochloromethane	5.01	128	10553	1.075 ug/L	90
25) Chloroform	5.12	83	44204	1.144 ug/L	94
27) 1,2-Dichloroethane	5.83	62	28813	1.035 ug/L	98
29) 1,1,1-Trichloroethane	5.35	97	34902	1.033 ug/L	99
30) Cyclohexane	5.42	56	32071	0.961 ug/L	98
31) Carbon tetrachloride	5.56	117	28677	1.010 ug/L	97
33) Benzene	5.81	78	87161	1.021 ug/L	100
34) Trichloroethene	6.57	95	21762	1.020 ug/L	93
35) Methylcyclohexane	6.79	83	30748	0.935 ug/L	97
37) 1,2-Dichloropropane	6.82	63	23017	1.000 ug/L #	97
38) Bromodichloromethane	7.13	83	28125	0.940 ug/L	94
39) cis-1,3-Dichloropropene	7.63	75	30602	0.841 ug/L	95
40) 4-Methyl-2-pentanone	7.82	43	157275	8.061 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.99	91	83328	0.874	ug/L	98
44) trans-1,3-Dichloropropene	8.23	75	28231	0.886	ug/L	98
45) 1,1,2-Trichloroethane	8.42	97	17075	0.939	ug/L	99
47) Tetrachloroethene	8.57	164	15553	0.959	ug/L	95
48) 2-Hexanone	8.71	43	120084	9.187	ug/L	98
49) Dibromochloromethane	8.83	129	19217	0.979	ug/L	96
50) 1,2-Dibromoethane	8.94	107	16121	0.956	ug/L	99
51) Chlorobenzene	9.47	112	55619	1.001	ug/L	98
52) Ethylbenzene	9.59	91	86497	0.905	ug/L	99
53) m,p-Xylene	9.71	106	32895	0.914	ug/L	100
54) o-Xylene	10.12	106	29397	0.842	ug/L	97
55) Styrene	10.13	104	50173	0.837	ug/L	100
56) Isopropylbenzene	10.50	105	78663	0.870	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.80	83	22266	0.998	ug/L	96
59) 1,2,3-Trichloropropane	10.84	75	17164	1.036	ug/L	98
61) Bromoform	10.30	173	10207	0.996	ug/L	97
62) 1,3-Dichlorobenzene	11.76	146	42242	1.031	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	43934	1.044	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	41678	1.061	ug/L	97
66) 1,2-Dibromo-3-chloropropan	13.01	75	3203	0.873	ug/L	92
67) 1,3,5-Trichlorobenzene	13.24	180	29755	0.949	ug/L	96
68) 1,2,4-trichlorobenzene	13.87	180	24365	0.876	ug/L	98
69) Naphthalene	14.11	128	42048	0.824	ug/L	97
70) 1,2,3-Trichlorobenzene	14.36	180	22145	0.834	ug/L	95

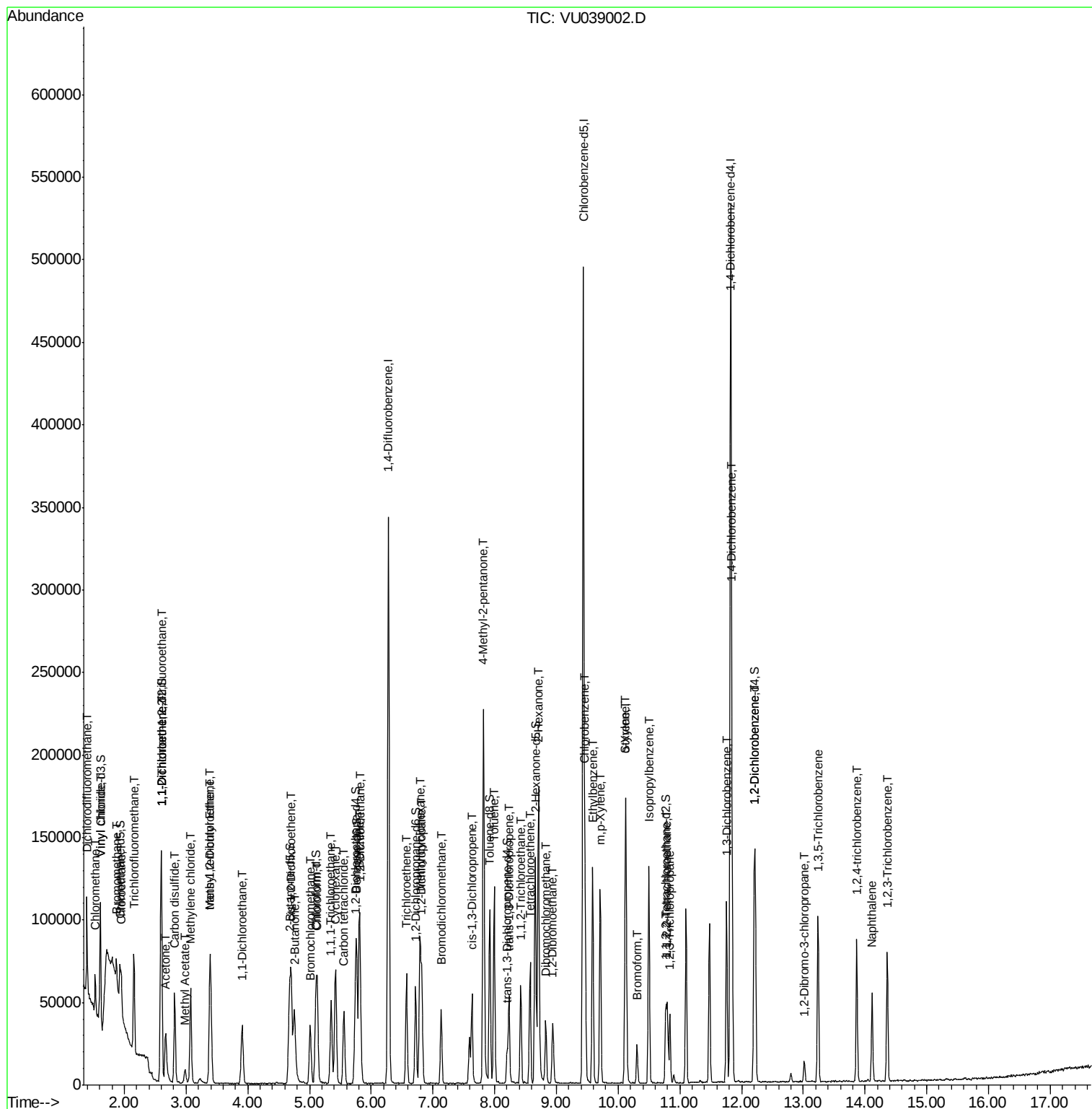
(#) = qualifier out of range (m) = manual integration (+) = signals summed

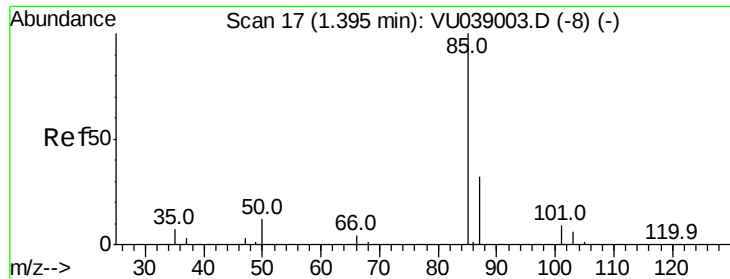
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#2

Dichlorodifluoromethane

Concen: 1.022 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU039002.D

Acq: 22 Jun 2020 13:29

Instrument :

MSVOA_U

ClientSampleId :

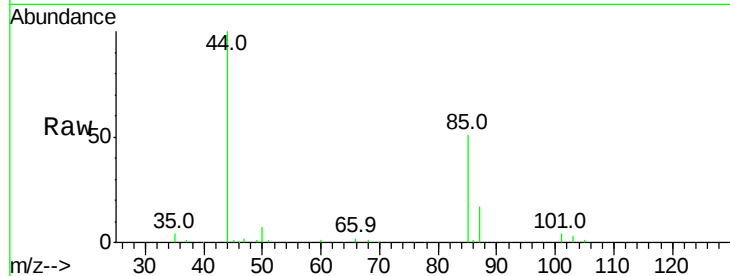
VSTD00101

Tgt Ion: 85 Resp: 27095

Ion Ratio Lower Upper

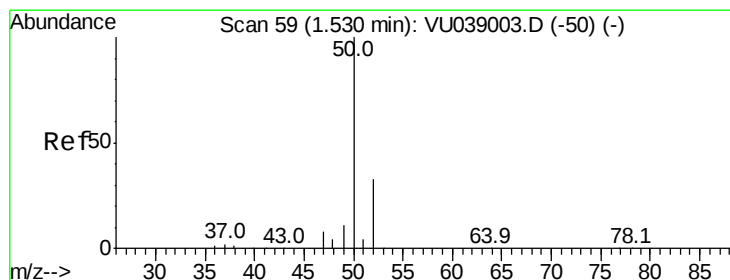
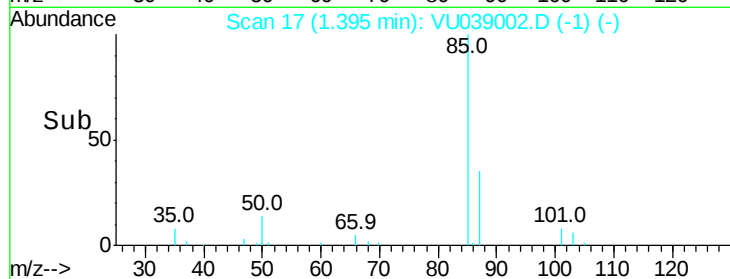
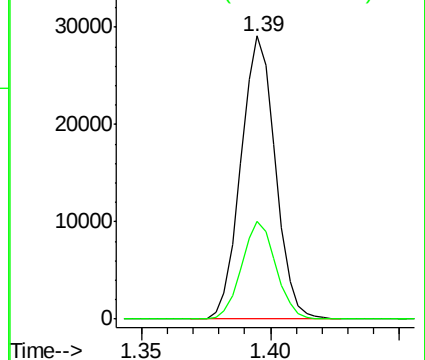
85 100

87 34.2 25.0 37.6



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 0.545 ug/L

RT: 1.53 min Scan# 59

Delta R.T. -0.00 min

Lab File: VU039002.D

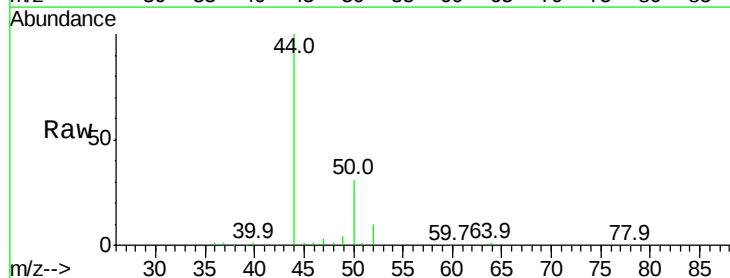
Acq: 22 Jun 2020 13:29

Tgt Ion: 50 Resp: 14301

Ion Ratio Lower Upper

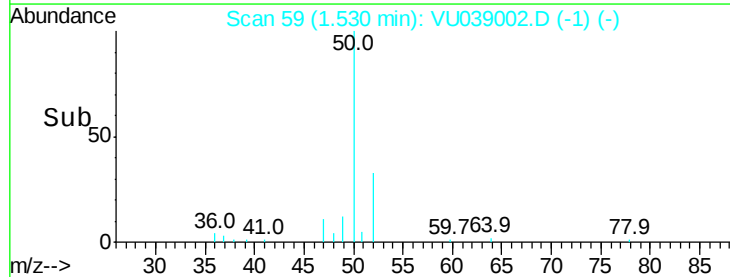
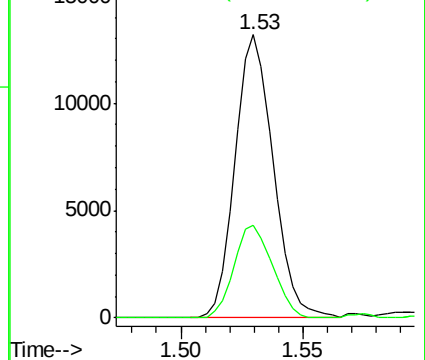
50 100

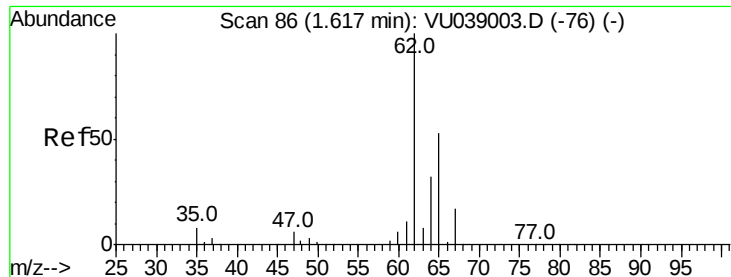
52 32.9 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 1.022 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU039002.D

Acq: 22 Jun 2020 13:29

Instrument :

MSVOA_U

ClientSampleId :

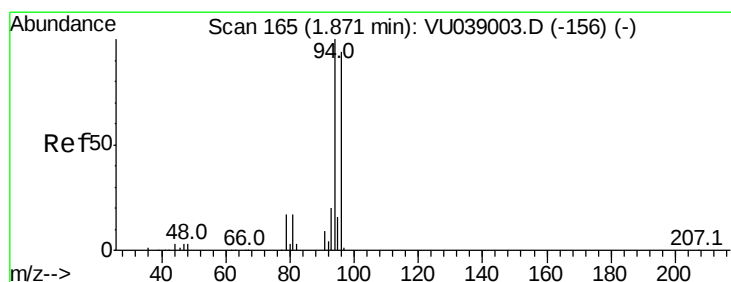
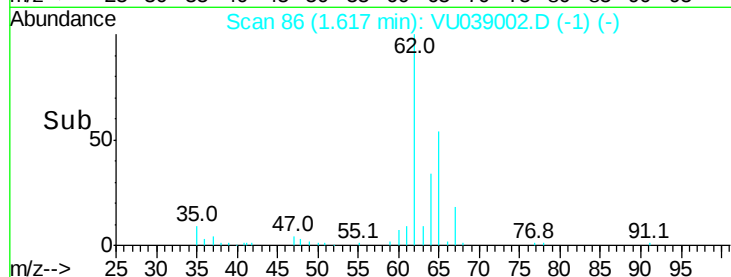
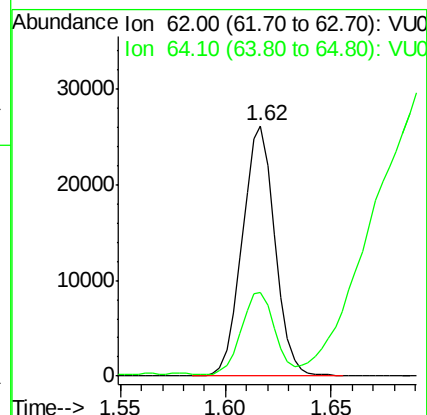
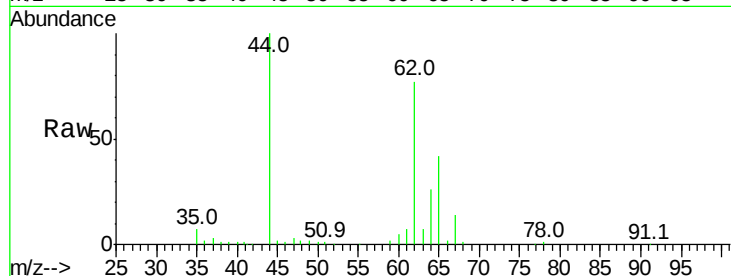
VSTD00101

Tgt Ion: 62 Resp: 27988

Ion Ratio Lower Upper

62 100

64 33.5 22.5 41.9



#6

Bromomethane

Concen: 0.597 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU039002.D

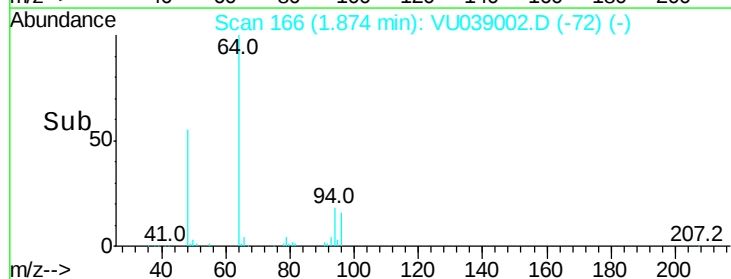
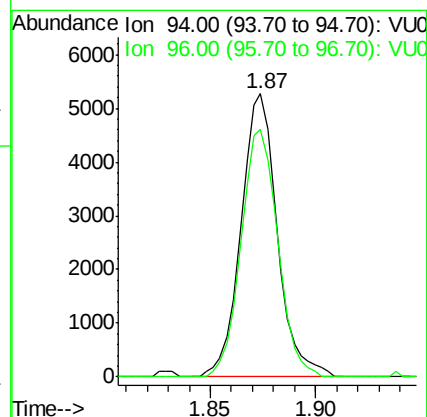
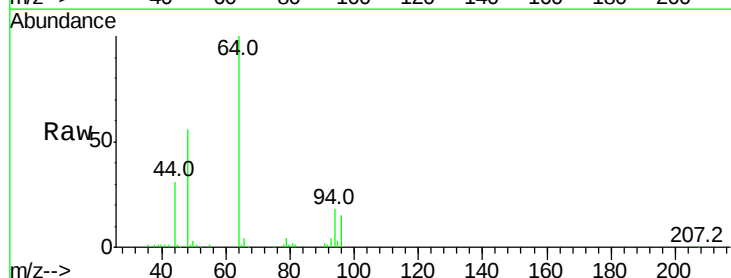
Acq: 22 Jun 2020 13:29

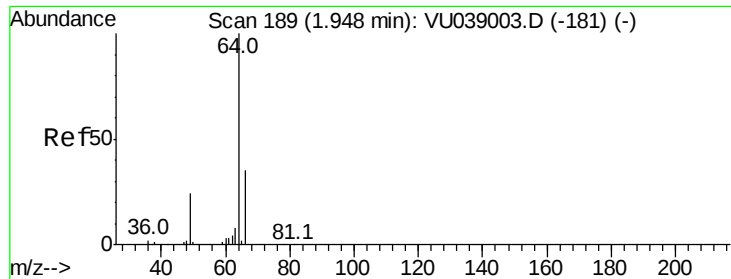
Tgt Ion: 94 Resp: 6277

Ion Ratio Lower Upper

94 100

96 87.3 65.5 121.7





#8

Chloroethane

Concen: 3.750 ug/L

RT: 1.95 min Scan# 189

Delta R.T. -0.00 min

Lab File: VU039002.D

Acq: 22 Jun 2020 13:29

Instrument :

MSVOA_U

ClientSampleId :

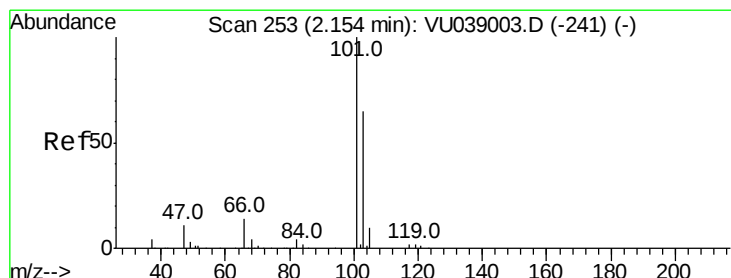
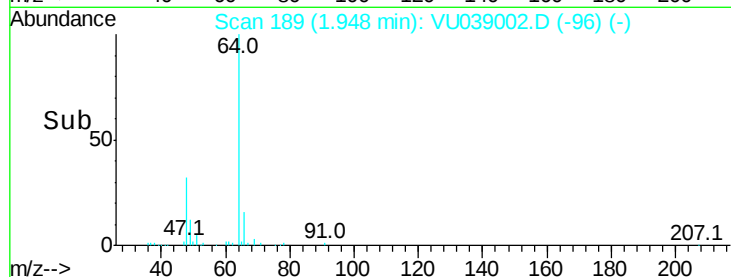
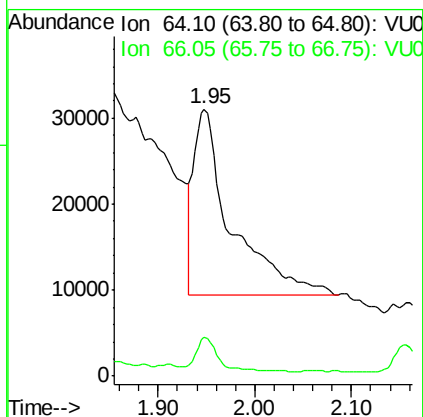
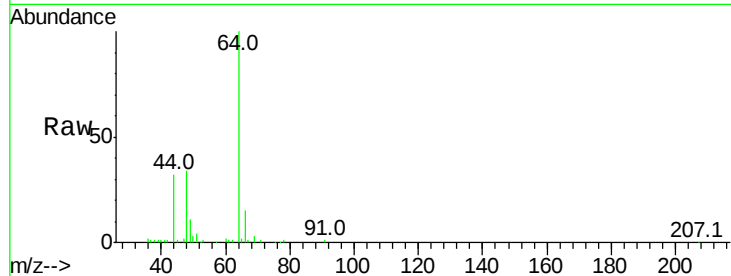
VSTD00101

Tgt Ion: 64 Resp: 58421

Ion Ratio Lower Upper

64 100

66 14.8 19.4 36.0#



#9

Trichlorofluoromethane

Concen: 1.021 ug/L

RT: 2.16 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU039002.D

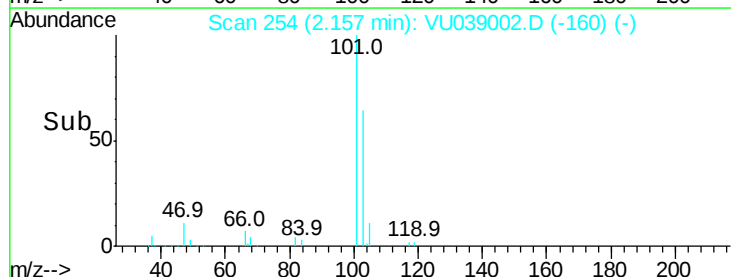
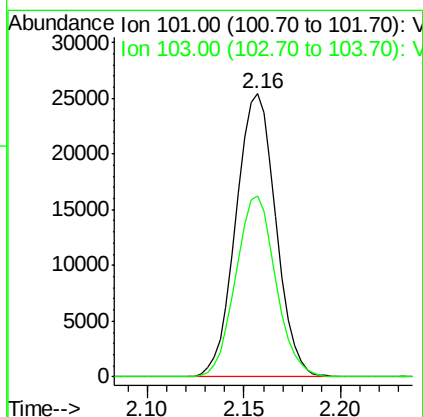
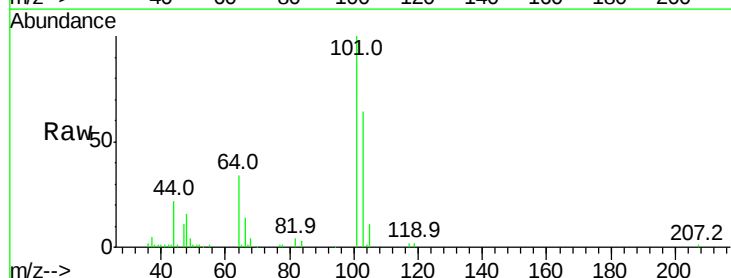
Acq: 22 Jun 2020 13:29

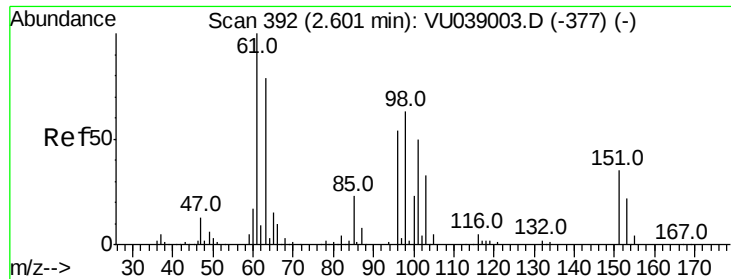
Tgt Ion: 101 Resp: 36408

Ion Ratio Lower Upper

101 100

103 64.0 51.4 77.2





#10

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

Concen: 1.046 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU039002.D

Acq: 22 Jun 2020 13:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD00101

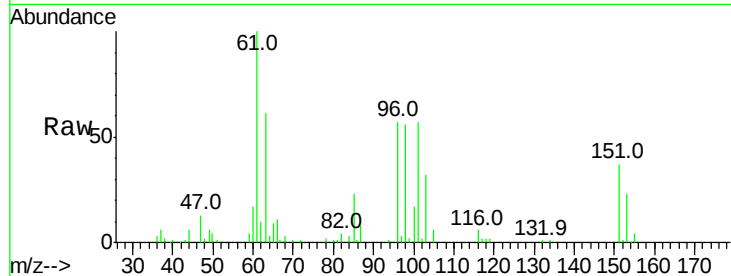
Tgt Ion:101 Resp: 21942

Ion Ratio Lower Upper

101 100

85 44.1 36.5 54.7

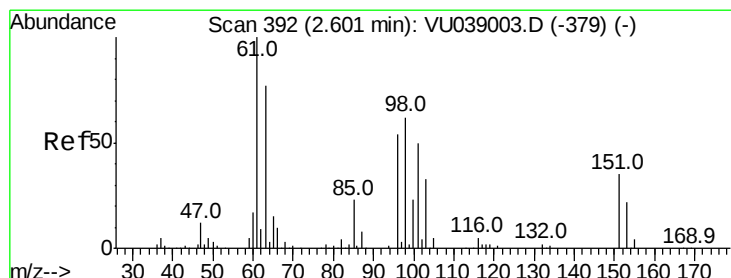
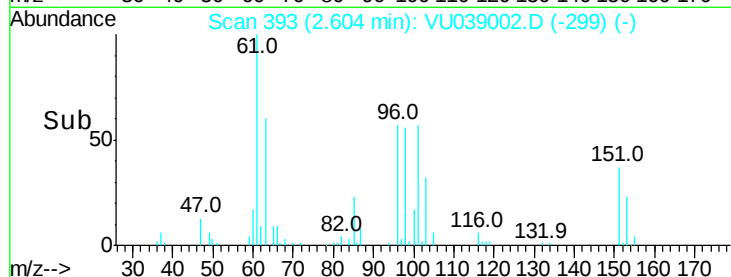
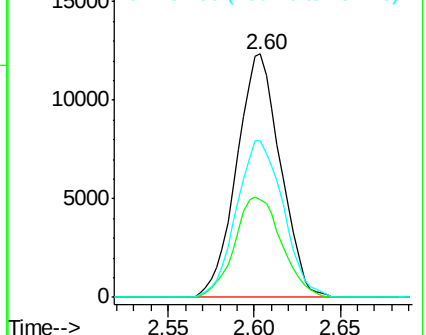
151 68.5 56.2 84.4



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: 1.035 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU039002.D

Acq: 22 Jun 2020 13:29

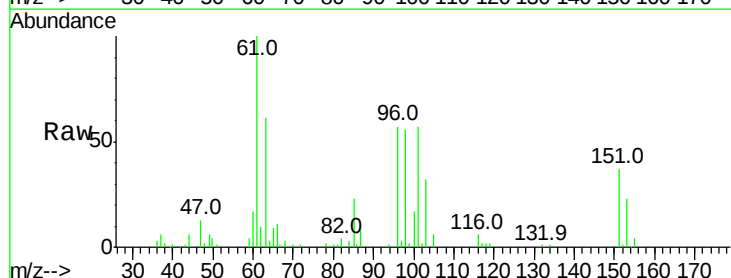
Tgt Ion: 96 Resp: 19883

Ion Ratio Lower Upper

96 100

61 174.9 128.7 239.1

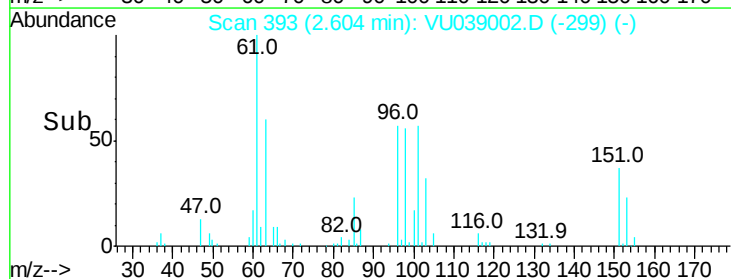
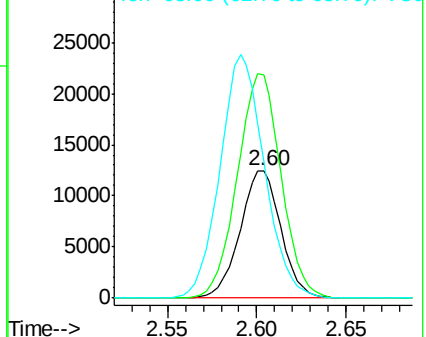
63 106.9 101.5 188.5

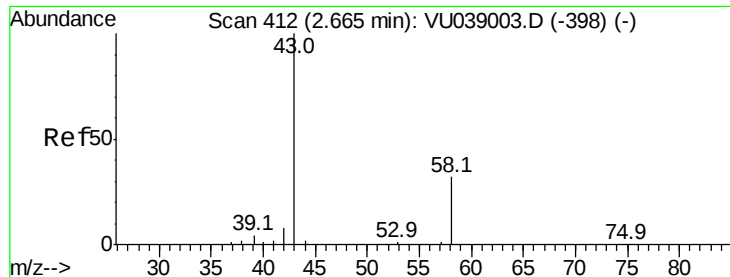


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 10.148 ug/L

RT: 2.67 min Scan# 413

Delta R.T. 0.00 min

Lab File: VU039002.D

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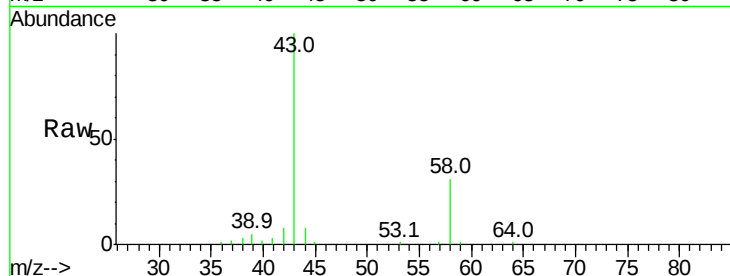
VSTD00101

Tgt Ion: 43 Resp: 45070

Ion Ratio Lower Upper

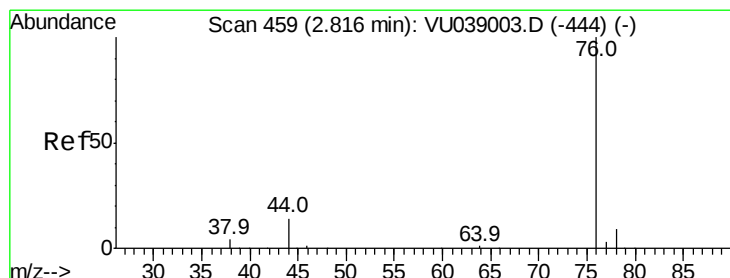
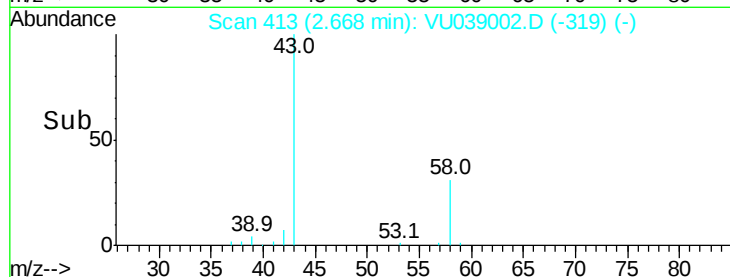
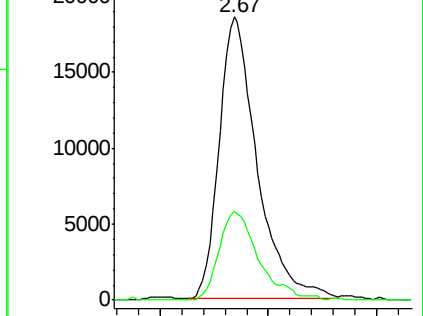
43 100

58 33.2 0.0 64.8



Abundance Ion 43.05 (42.75 to 43.75): VU039002.D (-319) (-)

Ion 58.05 (57.75 to 58.75): VU039002.D (-319) (-)



#14

Carbon disulfide

Concen: 1.063 ug/L

RT: 2.82 min Scan# 459

Delta R.T. -0.00 min

Lab File: VU039002.D

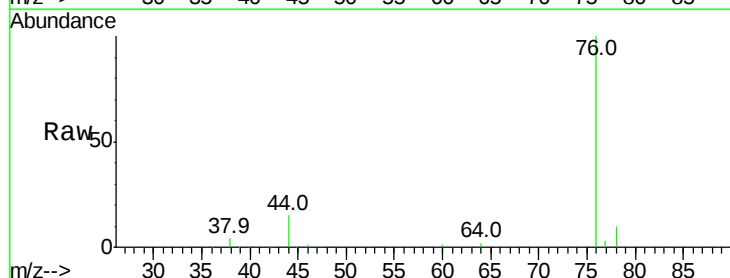
Acq: 22 Jun 2020 13:29

Tgt Ion: 76 Resp: 69557

Ion Ratio Lower Upper

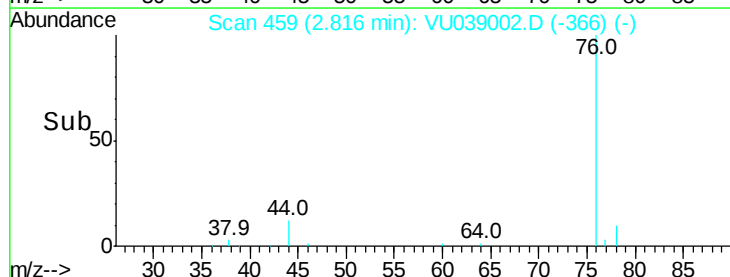
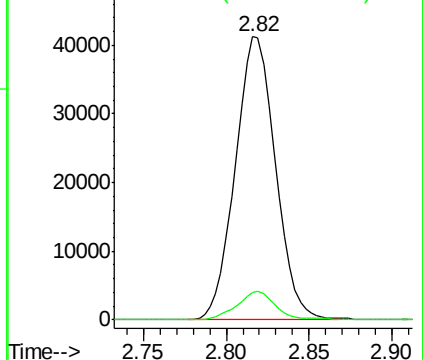
76 100

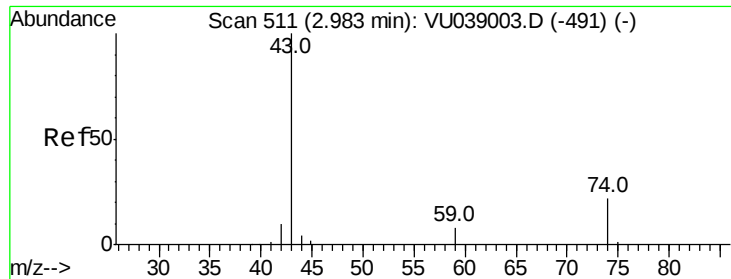
78 9.8 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU039002.D (-366) (-)

Ion 78.00 (77.70 to 78.70): VU039002.D (-366) (-)

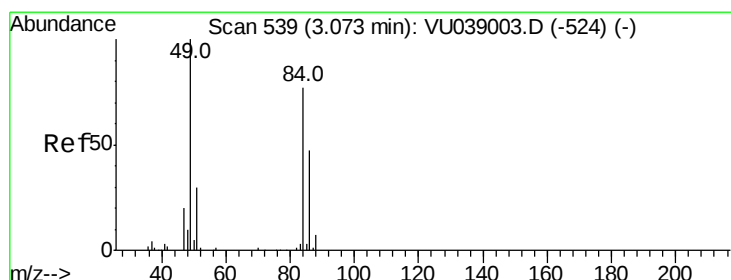
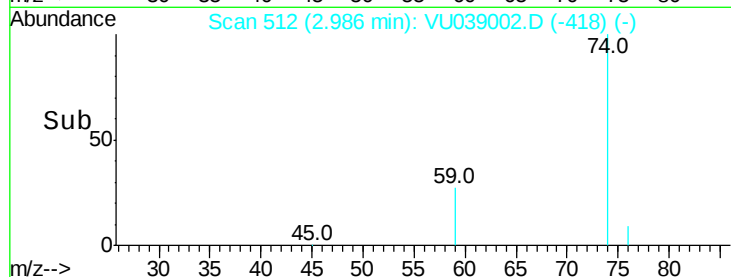
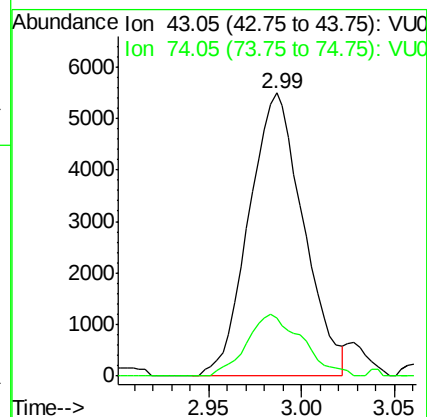
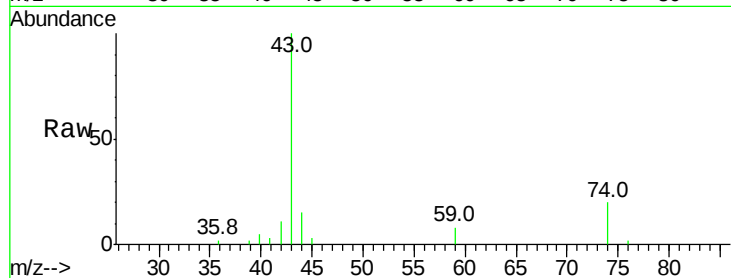




#15
Methyl Acetate
Concen: 1.019 ug/L
RT: 2.99 min Scan# 512
Delta R.T. 0.00 min
Lab File: VU039002.D
Acq: 22 Jun 2020 13:29

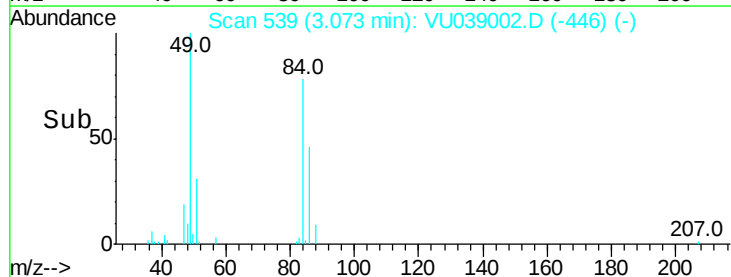
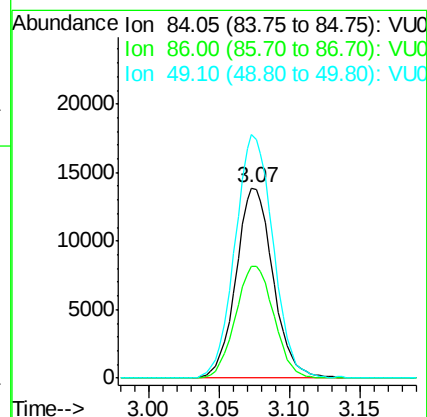
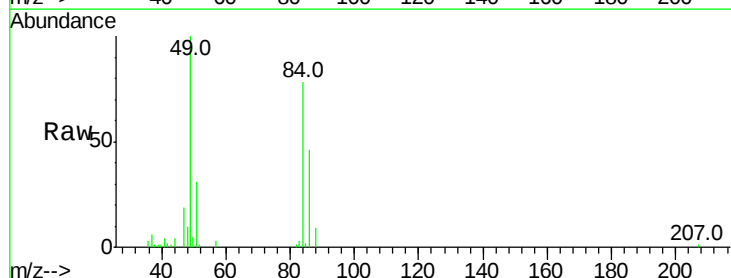
Instrument :
MSVOA_U
ClientSampleId :
VSTD00101

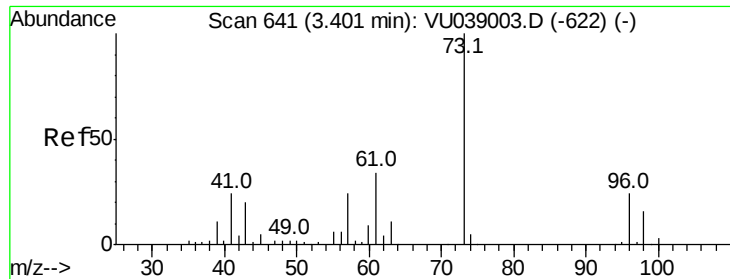
Tgt Ion: 43 Resp: 11237
Ion Ratio Lower Upper
43 100
74 22.4 18.0 27.0



#16
Methylene chloride
Concen: 1.082 ug/L
RT: 3.07 min Scan# 539
Delta R.T. -0.00 min
Lab File: VU039002.D
Acq: 22 Jun 2020 13:29

Tgt Ion: 84 Resp: 25550
Ion Ratio Lower Upper
84 100
86 58.5 43.1 80.1
49 128.2 90.9 168.9

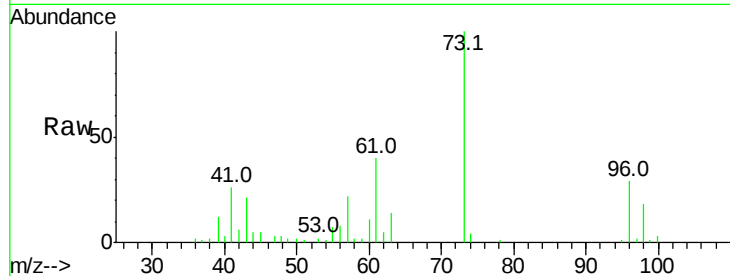




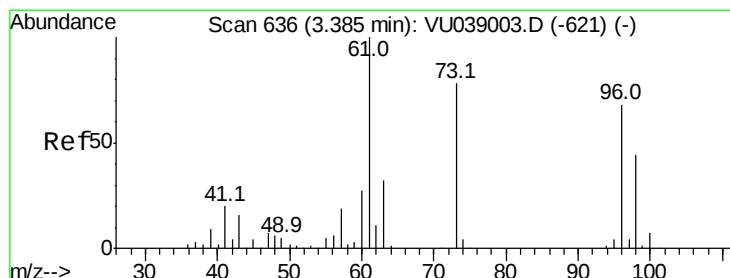
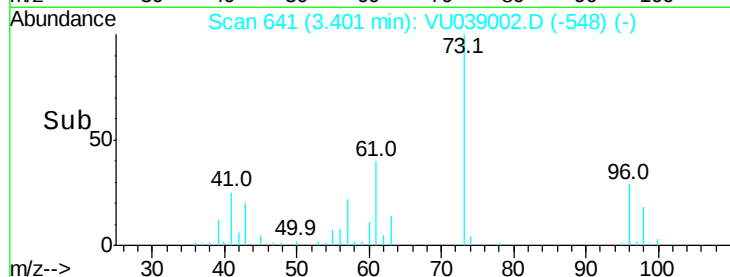
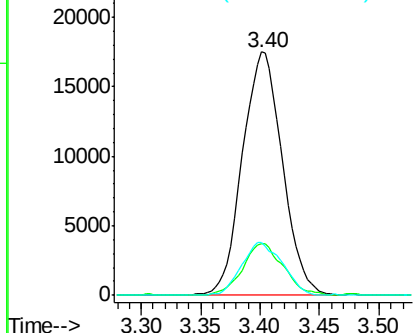
#17
Methyl tert-butyl Ether
Concen: 0.802 ug/L
RT: 3.40 min Scan# 641
Delta R.T. -0.00 min
Lab File: VU039002.D
Acq: 22 Jun 2020 13:29

Instrument :
MSVOA_U
ClientSampleId :
VSTD00101

Tgt Ion: 73 Resp: 40805
Ion Ratio Lower Upper
73 100
43 21.5 16.7 25.1
57 22.1 18.8 28.2

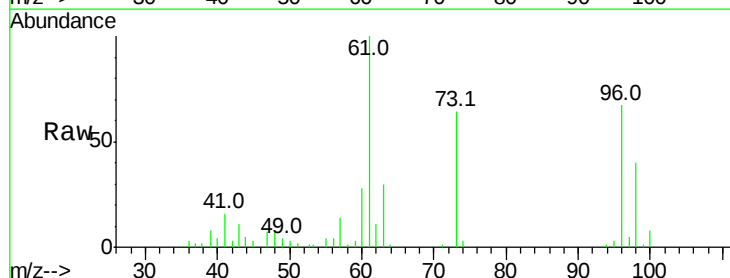


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

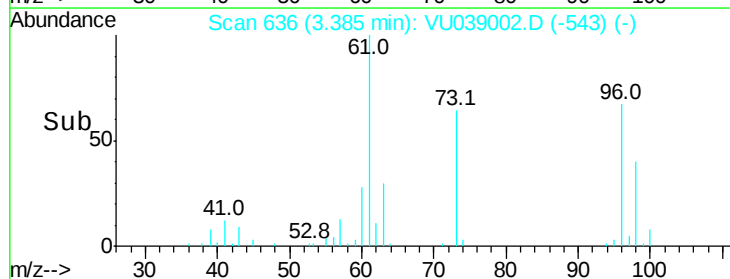
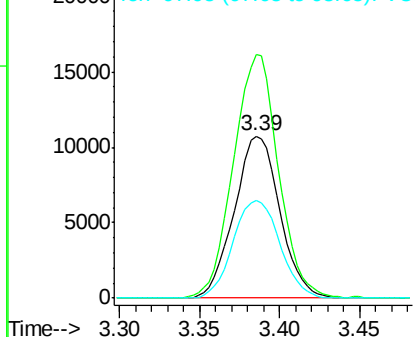


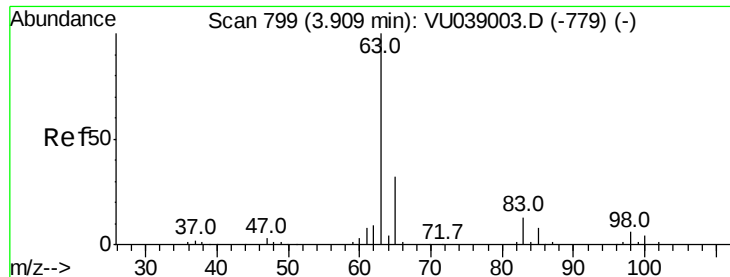
#18
trans-1,2-Dichloroethene
Concen: 1.029 ug/L
RT: 3.39 min Scan# 636
Delta R.T. -0.00 min
Lab File: VU039002.D
Acq: 22 Jun 2020 13:29

Tgt Ion: 96 Resp: 20866
Ion Ratio Lower Upper
96 100
61 150.1 102.6 190.6
98 60.0 45.0 83.6



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

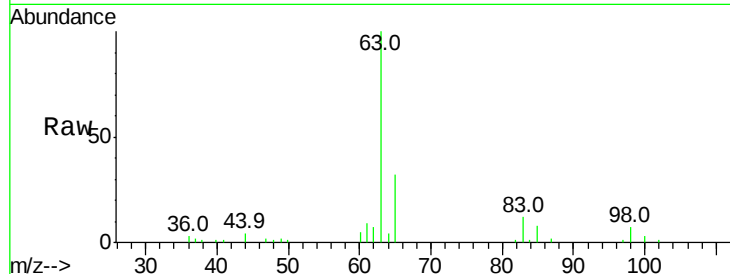




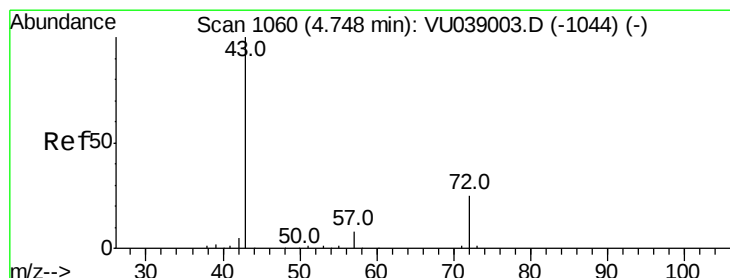
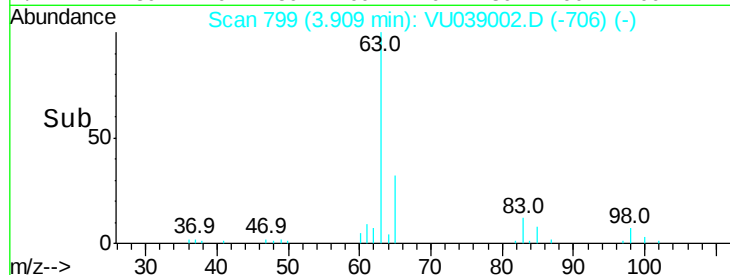
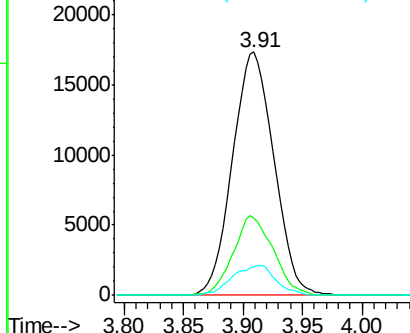
#19
 1,1-Dichloroethane
 Concen: 1.068 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: VU039002.D
 Acq: 22 Jun 2020 13:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00101

Tgt Ion: 63 Resp: 41820
 Ion Ratio Lower Upper
 63 100
 65 31.7 22.5 41.7
 83 11.8 9.2 17.2

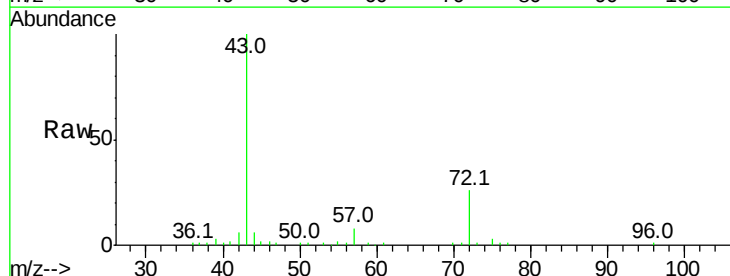


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

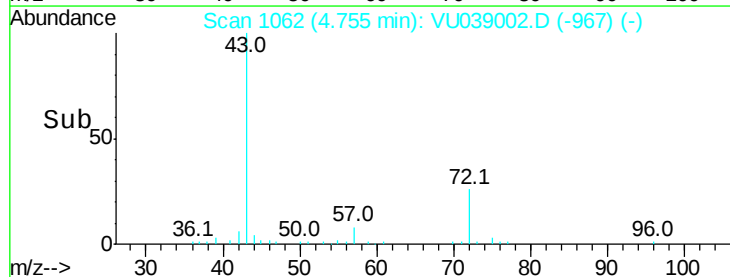
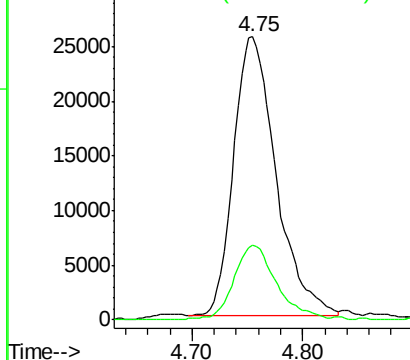


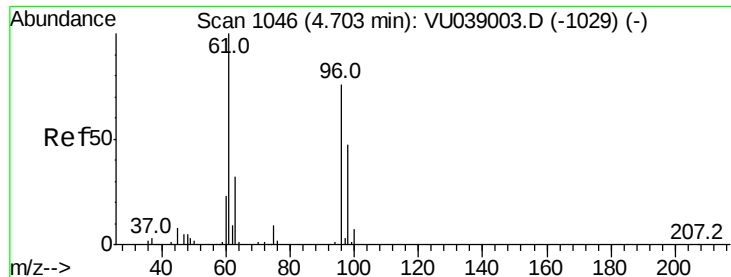
#21
 2-Butanone
 Concen: 9.462 ug/L
 RT: 4.75 min Scan# 1062
 Delta R.T. 0.01 min
 Lab File: VU039002.D
 Acq: 22 Jun 2020 13:29

Tgt Ion: 43 Resp: 67788
 Ion Ratio Lower Upper
 43 100
 72 27.0 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: 1.016 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU039002.D

Acq: 22 Jun 2020 13:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD00101

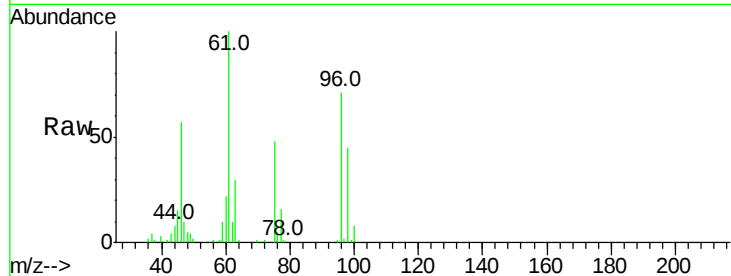
Tgt Ion: 96 Resp: 21850

Ion Ratio Lower Upper

96 100

61 141.6 92.0 170.8

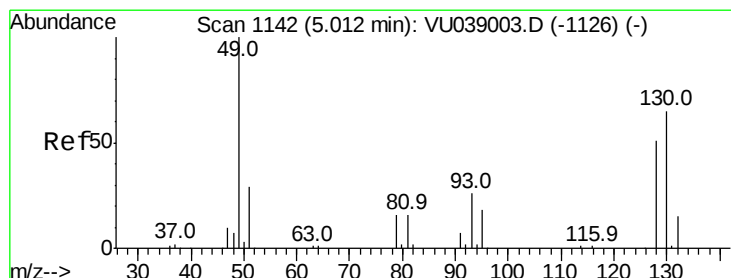
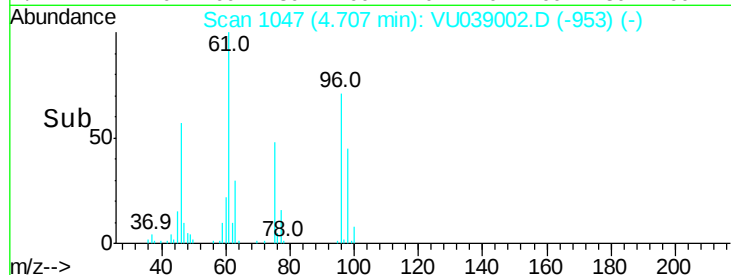
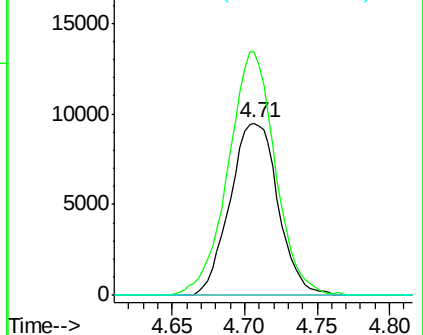
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039003.D (-1029) (-)

Ion 61.05 (60.75 to 61.75): VU039003.D (-1029) (-)

Ion 68.15 (67.85 to 68.85): VU039003.D (-1029) (-)



#23

Bromochloromethane

Concen: 1.075 ug/L

RT: 5.01 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VU039002.D

Acq: 22 Jun 2020 13:29

Tgt Ion: 128 Resp: 10553

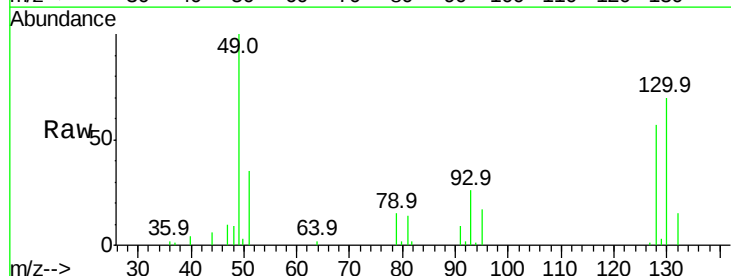
Ion Ratio Lower Upper

128 100

49 175.3 138.4 257.0

130 122.3 90.3 167.7

51 61.0 46.6 69.8

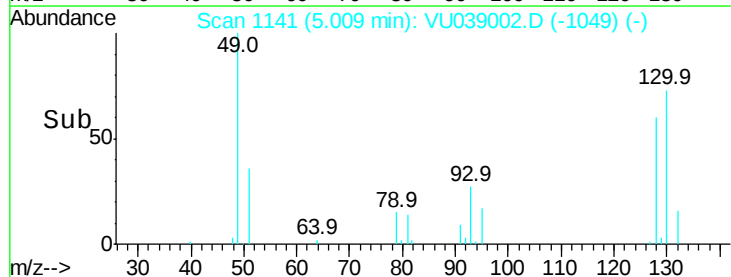
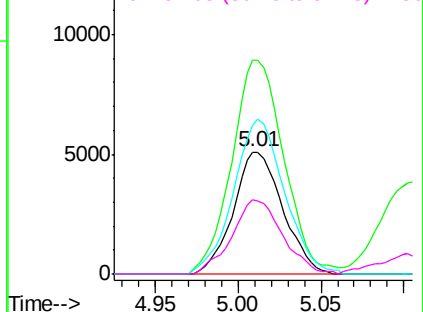


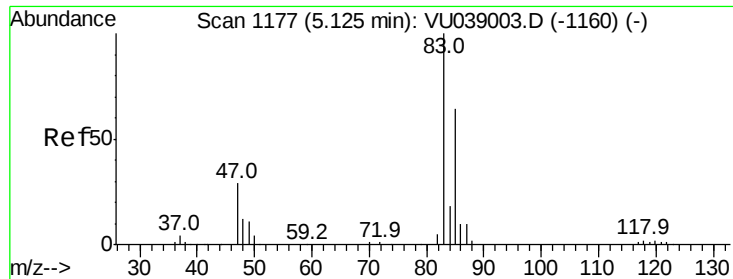
Abundance Ion 127.90 (127.60 to 128.60): VU039003.D (-1126) (-)

Ion 49.10 (48.80 to 49.80): VU039003.D (-1126) (-)

Ion 129.95 (129.65 to 130.65): VU039003.D (-1126) (-)

Ion 51.05 (50.75 to 51.75): VU039003.D (-1126) (-)

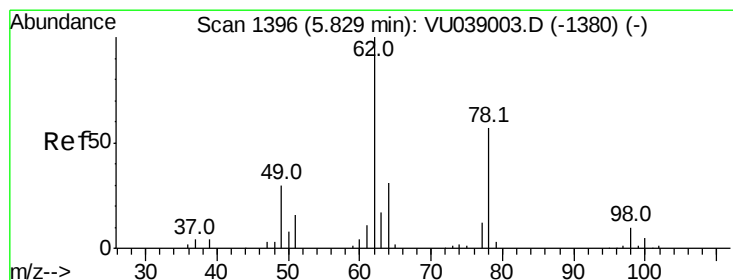
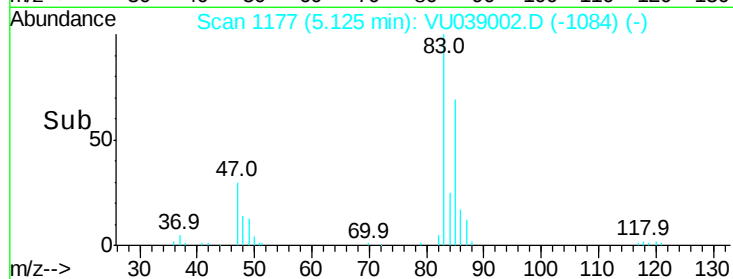
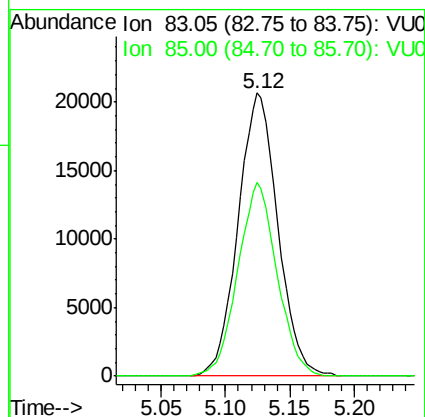
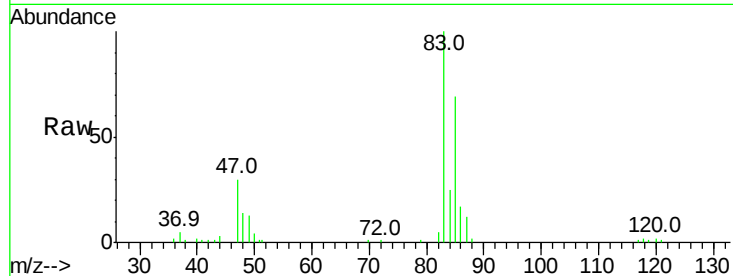




#25
Chloroform
Concen: 1.144 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VU039002.D
Acq: 22 Jun 2020 13:29

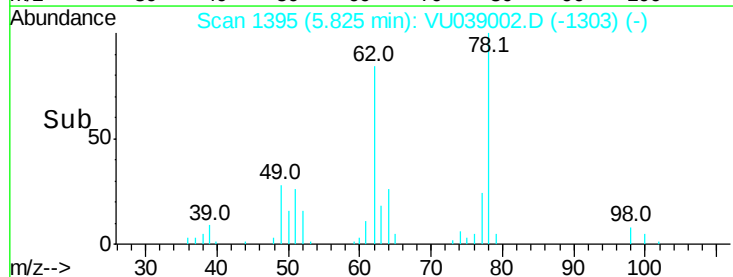
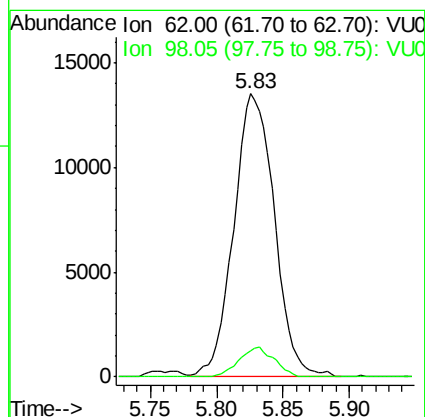
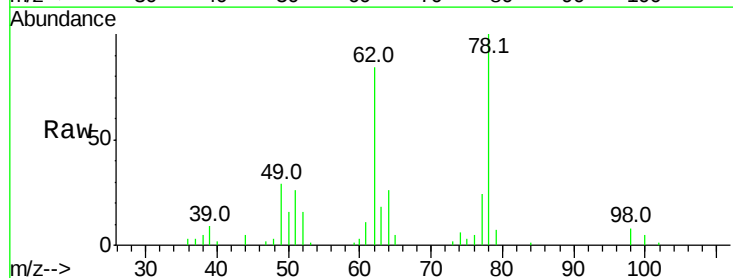
Instrument :
MSVOA_U
ClientSampleId :
VSTD00101

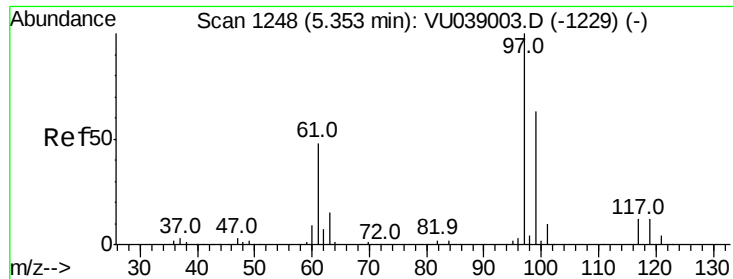
Tgt Ion: 83 Resp: 44204
Ion Ratio Lower Upper
83 100
85 68.5 44.9 83.5



#27
1,2-Dichloroethane
Concen: 1.035 ug/L
RT: 5.83 min Scan# 1395
Delta R.T. -0.00 min
Lab File: VU039002.D
Acq: 22 Jun 2020 13:29

Tgt Ion: 62 Resp: 28813
Ion Ratio Lower Upper
62 100
98 9.2 7.8 11.8

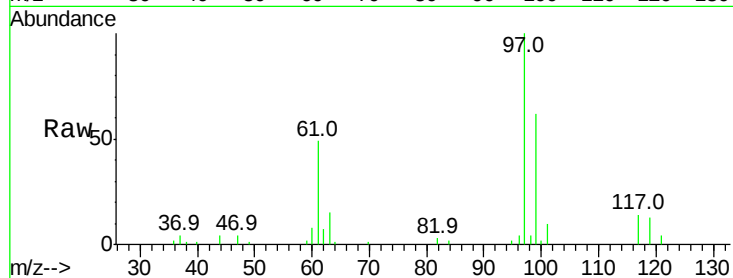




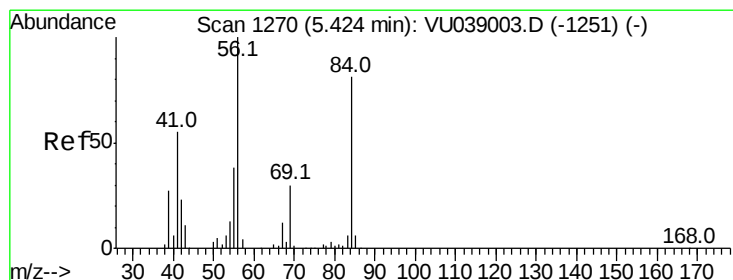
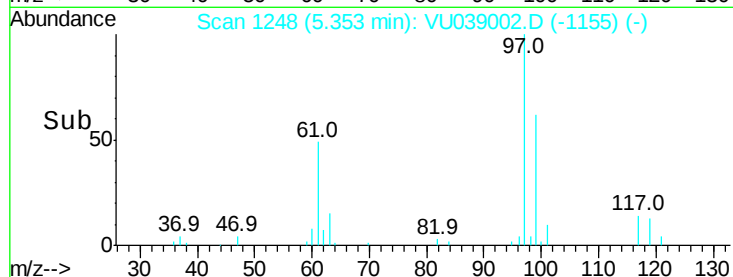
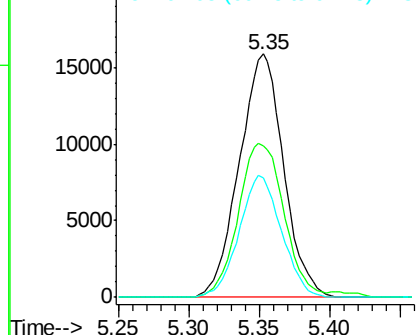
#29
1,1,1-Trichloroethane
Concen: 1.033 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VU039002.D
Acq: 22 Jun 2020 13:29

Instrument :
MSVOA_U
ClientSampleId :
VSTD00101

Tgt Ion: 97 Resp: 34902
Ion Ratio Lower Upper
97 100
99 65.2 51.7 77.5
61 47.9 38.2 57.4

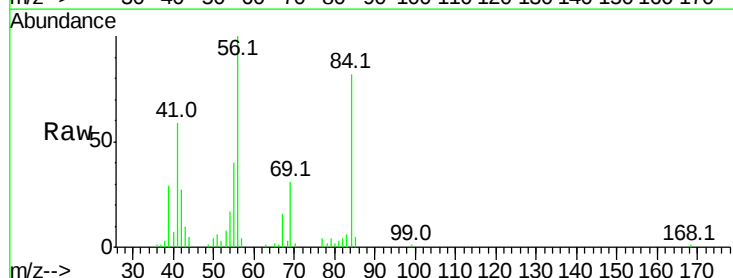


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

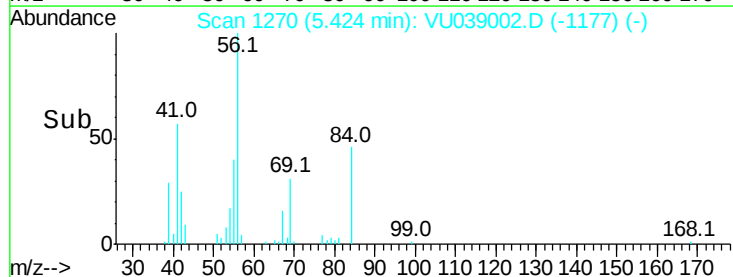
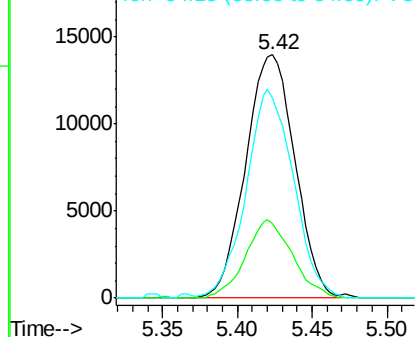


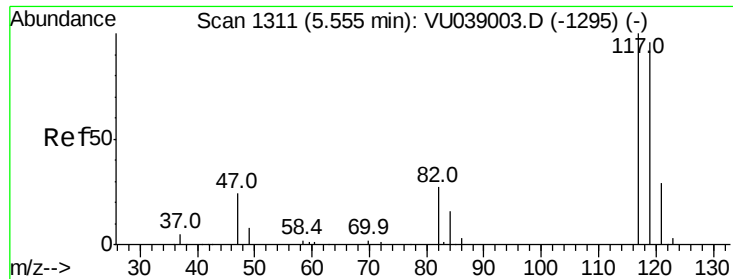
#30
Cyclohexane
Concen: 0.961 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU039002.D
Acq: 22 Jun 2020 13:29

Tgt Ion: 56 Resp: 32071
Ion Ratio Lower Upper
56 100
69 30.6 23.5 35.3
84 82.4 67.1 100.7



Abundance Ion 56.10 (55.80 to 56.80): VU0
Ion 69.15 (68.85 to 69.85): VU0
Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 1.010 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU039002.D

Acq: 22 Jun 2020 13:29

Instrument :

MSVOA_U

ClientSampleId :

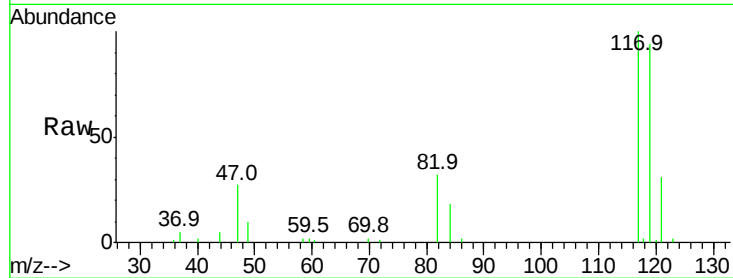
VSTD00101

Tgt Ion:117 Resp: 28677

Ion Ratio Lower Upper

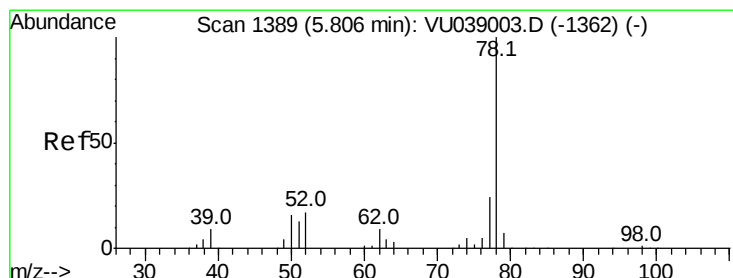
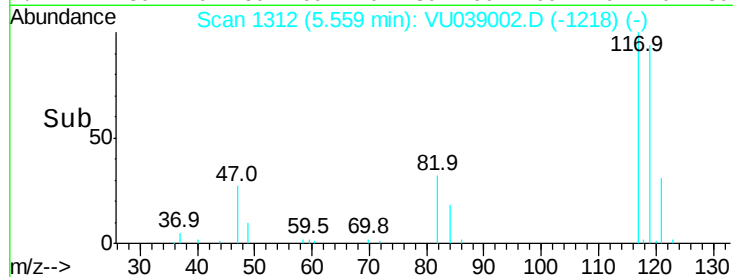
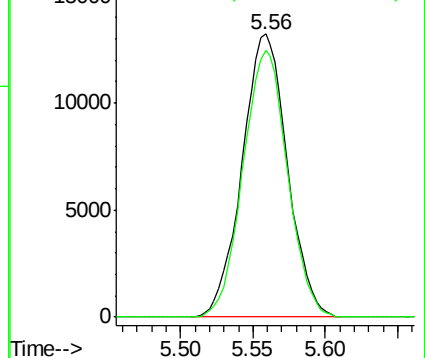
117 100

119 92.5 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: 1.021 ug/L

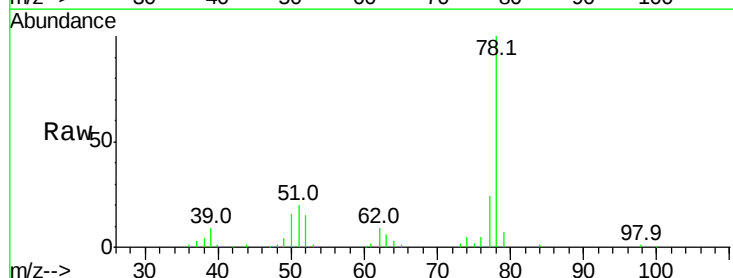
RT: 5.81 min Scan# 1389

Delta R.T. -0.00 min

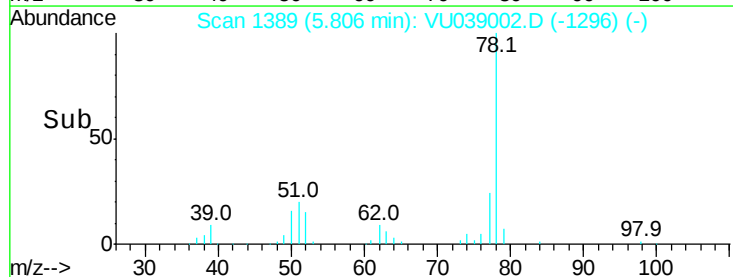
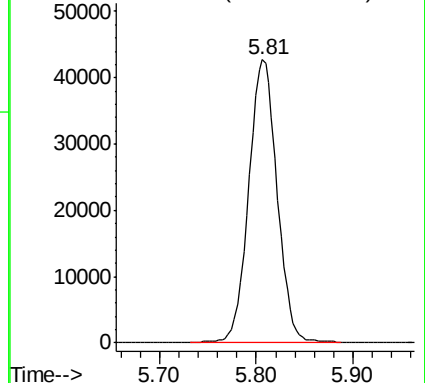
Lab File: VU039002.D

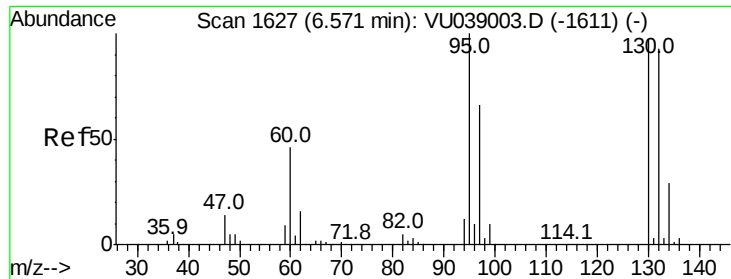
Acq: 22 Jun 2020 13:29

Tgt Ion: 78 Resp: 87161



Abundance Ion 78.10 (77.80 to 78.80): VU0

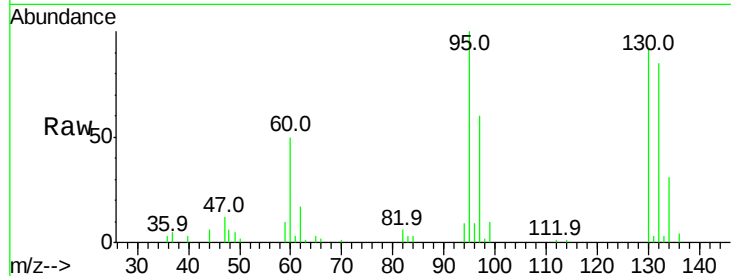




#34
 Trichloroethene
 Concen: 1.020 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VU039002.D
 Acq: 22 Jun 2020 13:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00101

Tgt Ion:	95	Resp:	21762
Ion	Ratio	Lower	Upper
95	100		
97	59.6	46.0	85.4
132	85.2	65.0	120.6
130	91.8	68.0	126.2

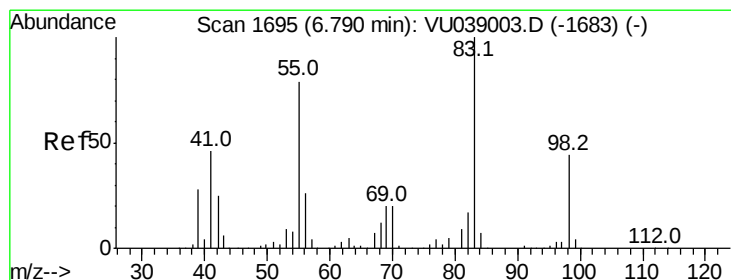
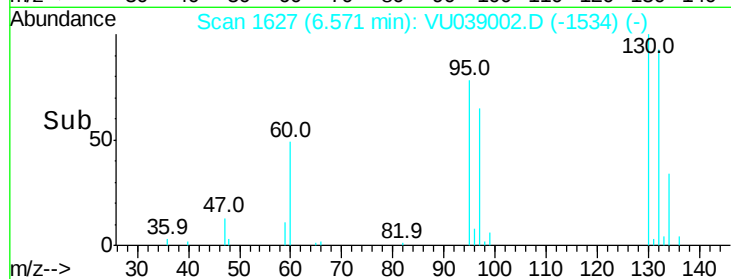
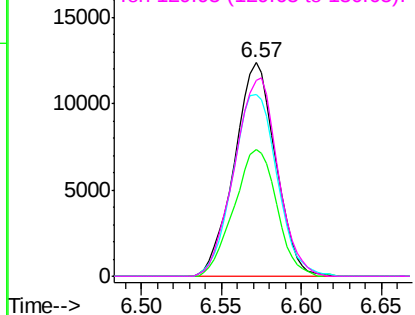


Abundance Ion 95.00 (94.70 to 95.70): VU039002.D (-1611) (-)

Ion 96.95 (96.65 to 97.65): VU039002.D (-1611) (-)

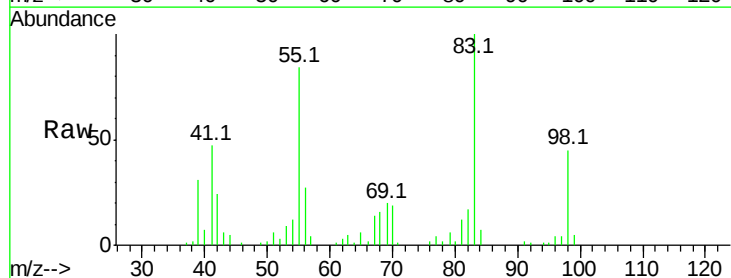
Ion 131.95 (131.65 to 132.65): VU039002.D (-1611) (-)

Ion 129.95 (129.65 to 130.65): VU039002.D (-1611) (-)



#35
 Methylcyclohexane
 Concen: 0.935 ug/L
 RT: 6.79 min Scan# 1695
 Delta R.T. -0.00 min
 Lab File: VU039002.D
 Acq: 22 Jun 2020 13:29

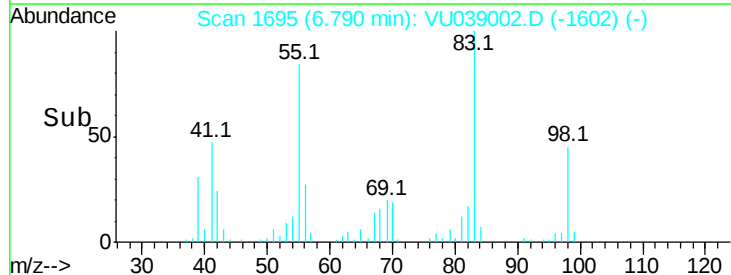
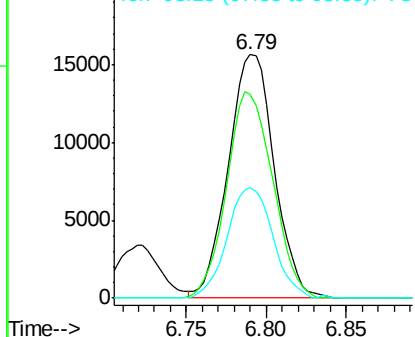
Tgt Ion:	83	Resp:	30748
Ion	Ratio	Lower	Upper
83	100		
55	84.9	65.1	97.7
98	44.8	37.0	55.4

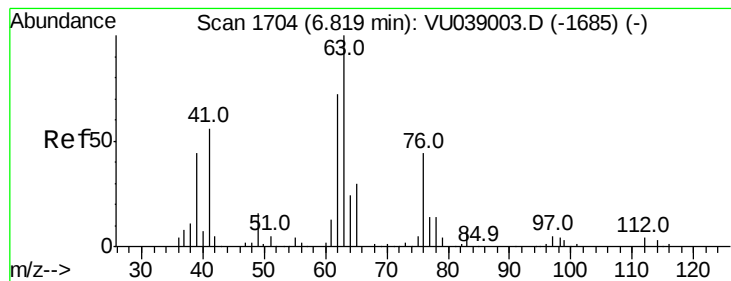


Abundance Ion 83.15 (82.85 to 83.85): VU039002.D (-1683) (-)

Ion 55.10 (54.80 to 55.80): VU039002.D (-1683) (-)

Ion 98.15 (97.85 to 98.85): VU039002.D (-1683) (-)





#37

1,2-Dichloropropane

Concen: 1.000 ug/L

RT: 6.82 min Scan# 1704

Delta R.T. -0.00 min

Lab File: VU039002.D

Acq: 22 Jun 2020 13:29

Instrument :

MSVOA_U

ClientSampleId :

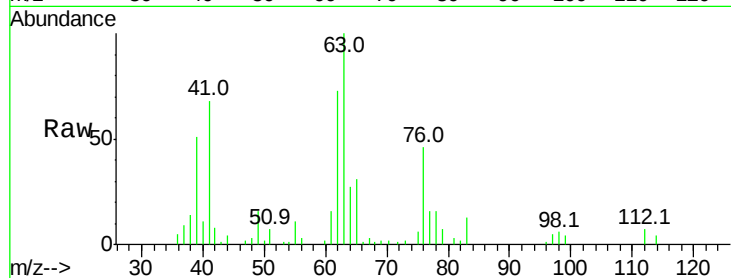
VSTD00101

Tgt Ion: 63 Resp: 23017

Ion Ratio Lower Upper

63 100

112 5.4 3.4 5.2#



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

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

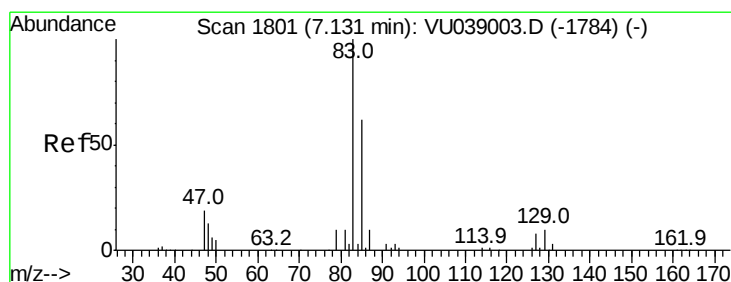
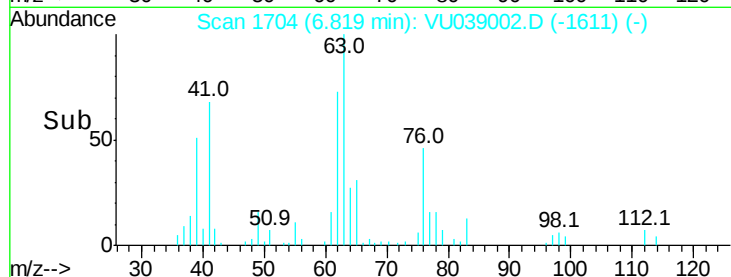
6.82

10000

5000

0

Time-->



#38

Bromodichloromethane

Concen: 0.940 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VU039002.D

Acq: 22 Jun 2020 13:29

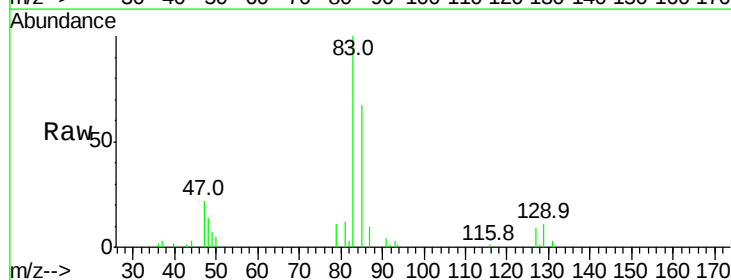
Tgt Ion: 83 Resp: 28125

Ion Ratio Lower Upper

83 100

85 67.1 43.6 81.0

127 9.0 6.1 9.1



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

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

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

7.13

20000

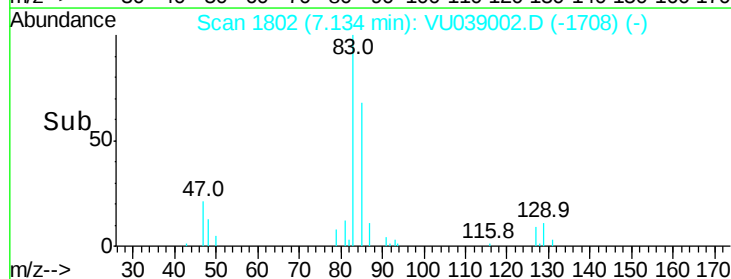
15000

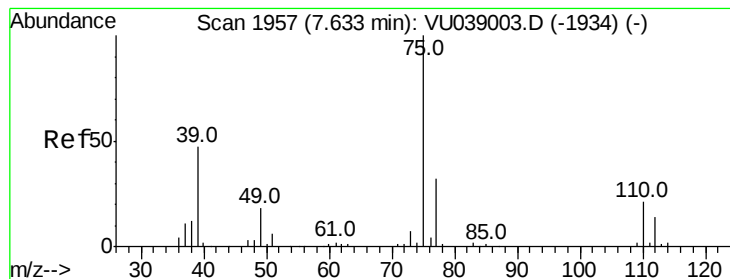
10000

5000

0

Time-->



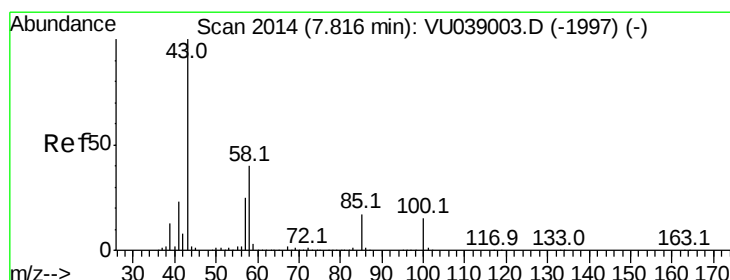
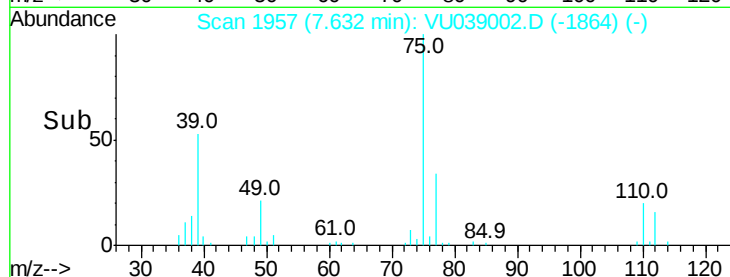
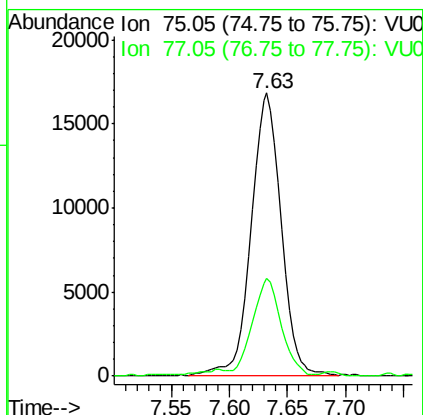
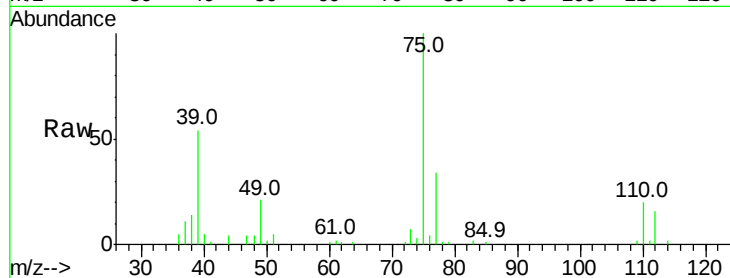


#39

cis-1,3-Dichloropropene
Concen: 0.841 ug/L
RT: 7.63 min Scan# 1957
Delta R.T. -0.00 min
Lab File: VU039002.D
Acq: 22 Jun 2020 13:29

Instrument :
MSVOA_U
ClientSampleId :
VSTD00101

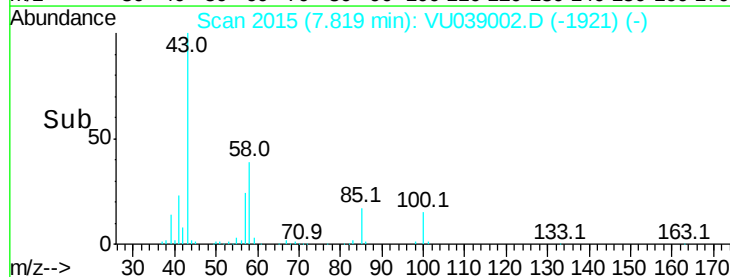
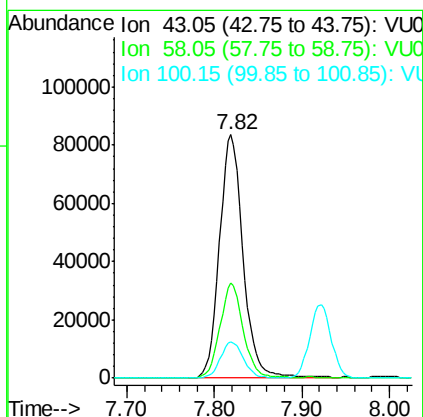
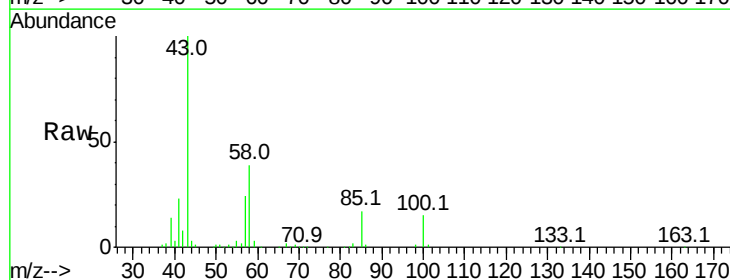
Tgt Ion: 75 Resp: 30602
Ion Ratio Lower Upper
75 100
77 34.5 22.0 41.0

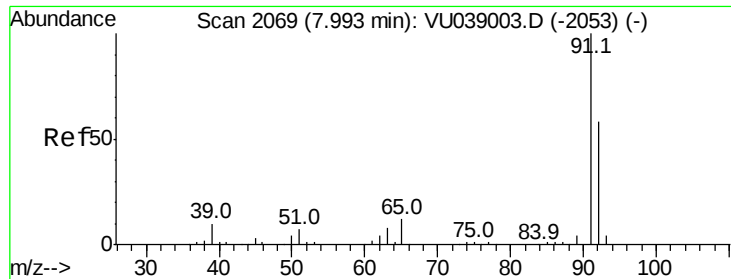


#40

4-Methyl-2-pentanone
Concen: 8.061 ug/L
RT: 7.82 min Scan# 2015
Delta R.T. 0.00 min
Lab File: VU039002.D
Acq: 22 Jun 2020 13:29

Tgt Ion: 43 Resp: 157275
Ion Ratio Lower Upper
43 100
58 38.0 31.4 47.0
100 14.5 11.6 17.4





#42

Toluene

Concen: 0.874 ug/L

RT: 7.99 min Scan# 2068

Delta R.T. -0.00 min

Lab File: VU039002.D

Acq: 22 Jun 2020 13:29

Instrument :

MSVOA_U

ClientSampleId :

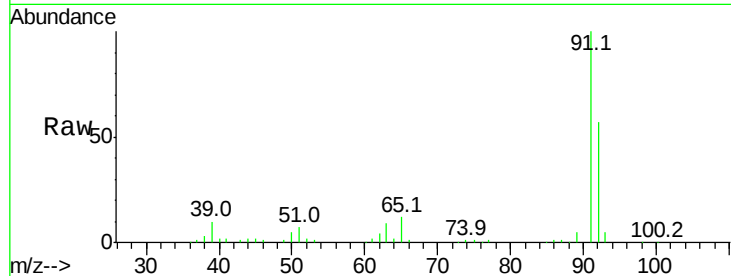
VSTD00101

Tgt Ion: 91 Resp: 83328

Ion Ratio Lower Upper

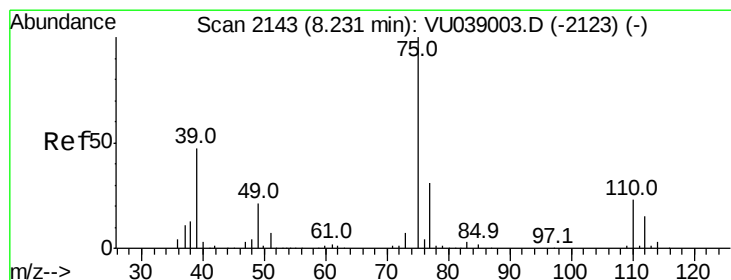
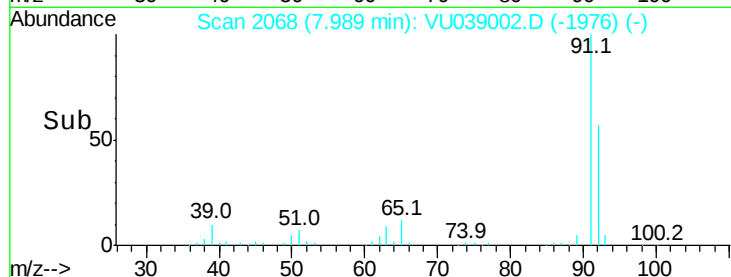
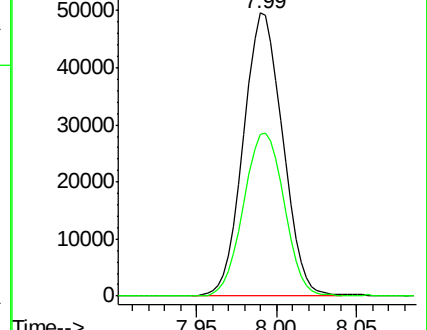
91 100

92 57.1 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) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.886 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU039002.D

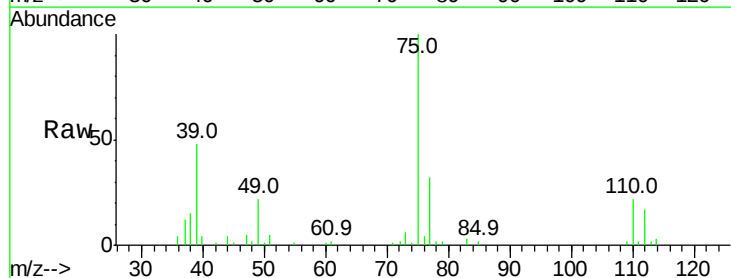
Acq: 22 Jun 2020 13:29

Tgt Ion: 75 Resp: 28231

Ion Ratio Lower Upper

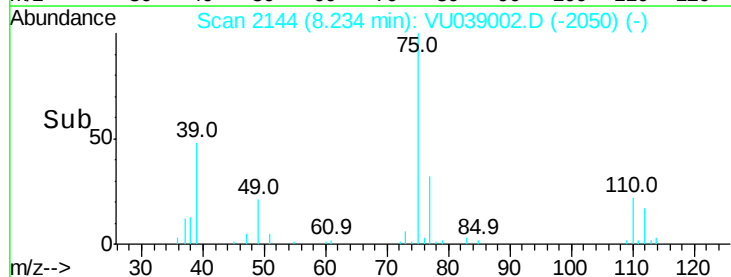
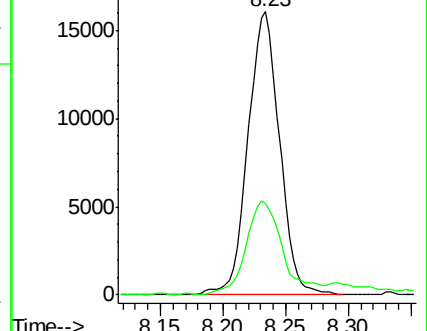
75 100

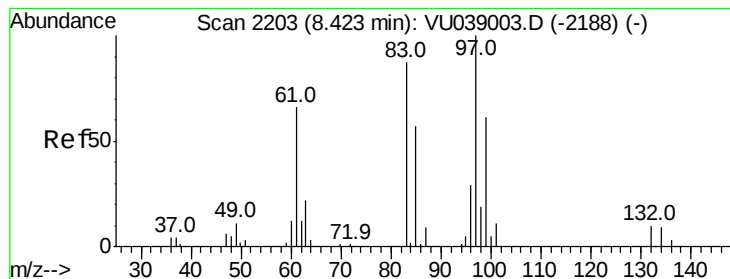
77 32.2 21.8 40.6



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

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





#45

1,1,2-Trichloroethane

Concen: 0.939 ug/L

RT: 8.42 min Scan# 2203

Delta R.T. -0.00 min

Lab File: VU039002.D

Acq: 22 Jun 2020 13:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD00101

Tgt Ion: 97 Resp: 17075

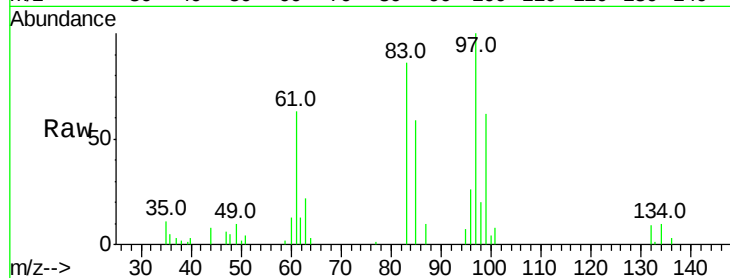
Ion Ratio Lower Upper

97 100

99 62.5 42.8 79.4

83 86.4 60.9 113.1

85 58.9 40.2 74.6

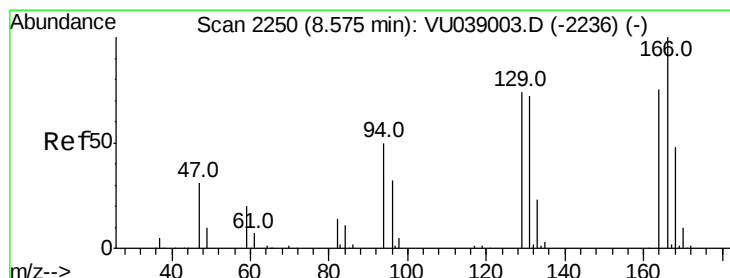
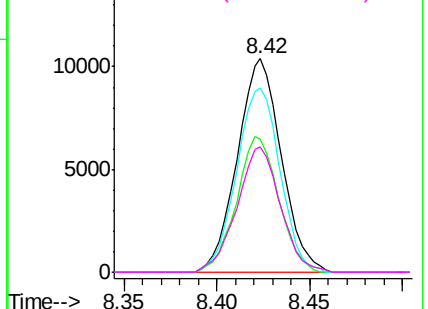
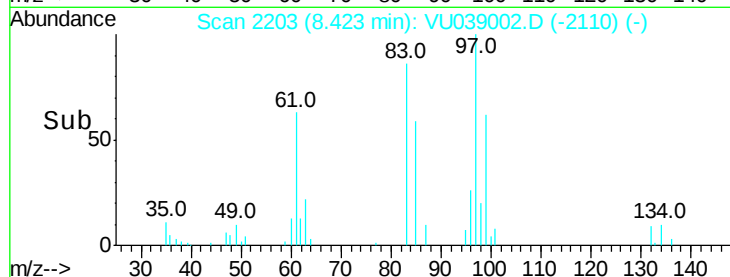


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 0.959 ug/L

RT: 8.57 min Scan# 2249

Delta R.T. -0.00 min

Lab File: VU039002.D

Acq: 22 Jun 2020 13:29

Tgt Ion: 164 Resp: 15553

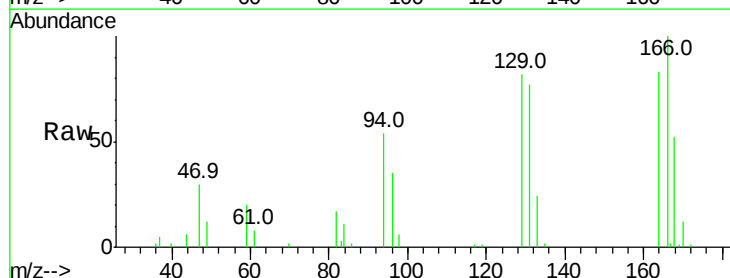
Ion Ratio Lower Upper

164 100

129 98.5 69.2 128.6

131 92.7 66.9 124.3

166 120.8 93.0 172.8

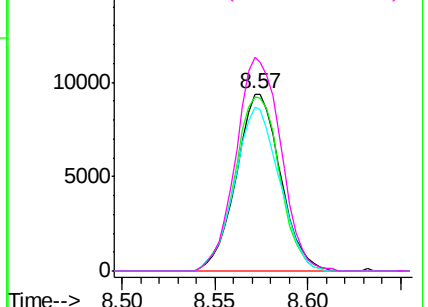
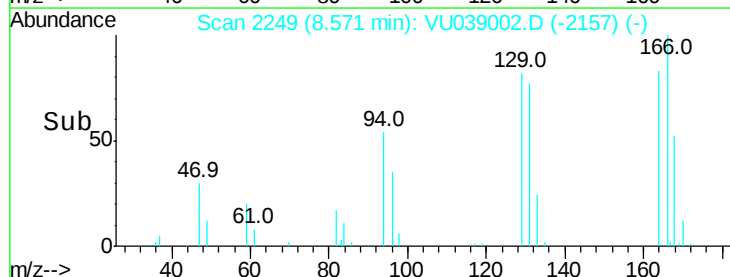


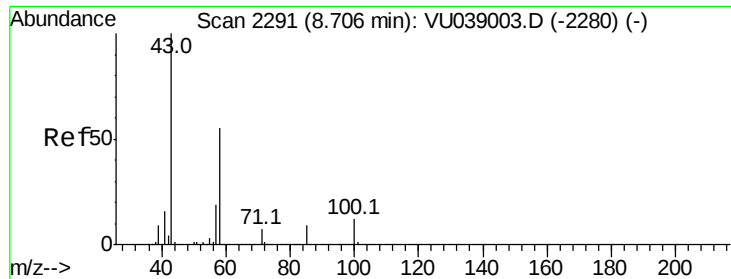
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V





#48

2-Hexanone

Concen: 9.187 ug/L

RT: 8.71 min Scan# 2291

Delta R.T. -0.00 min

Lab File: VU039002.D

Acq: 22 Jun 2020 13:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD00101

Tgt Ion: 43 Resp: 120084

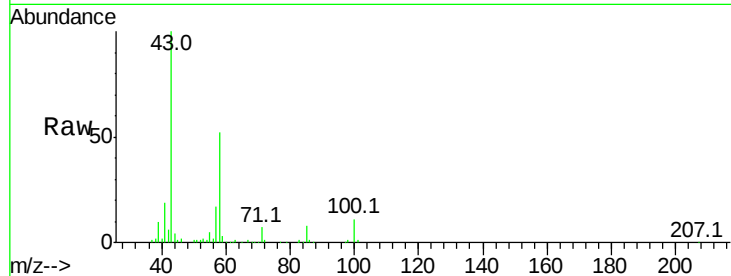
Ion Ratio Lower Upper

43 100

58 52.6 43.5 65.3

57 17.7 15.0 22.4

100 11.5 9.4 14.2

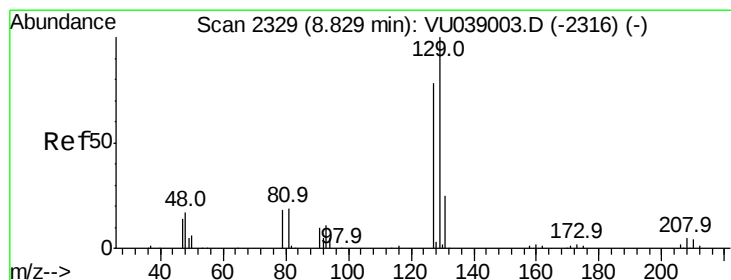
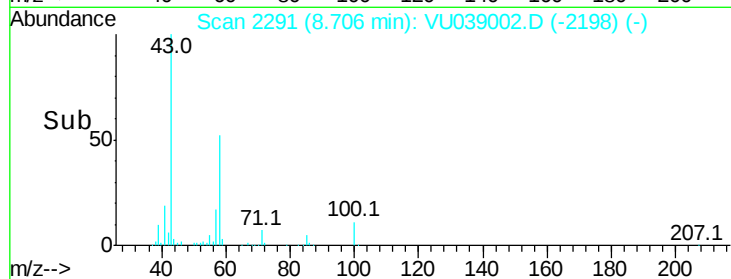
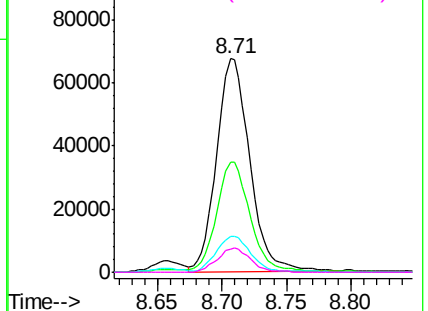


Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0



#49

Dibromochloromethane

Concen: 0.979 ug/L

RT: 8.83 min Scan# 2330

Delta R.T. 0.00 min

Lab File: VU039002.D

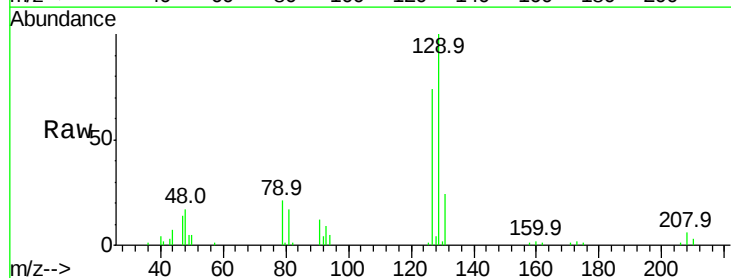
Acq: 22 Jun 2020 13:29

Tgt Ion: 129 Resp: 19217

Ion Ratio Lower Upper

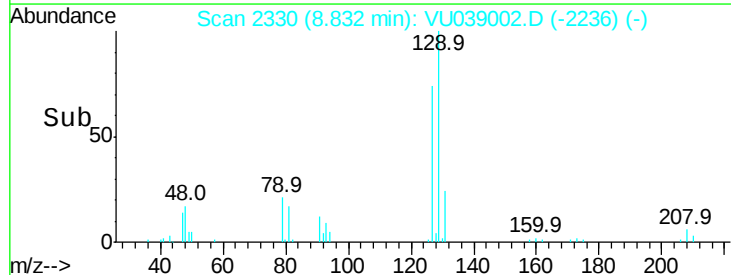
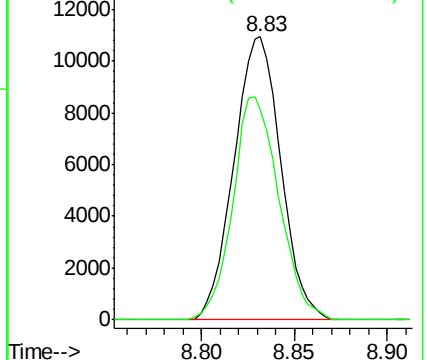
129 100

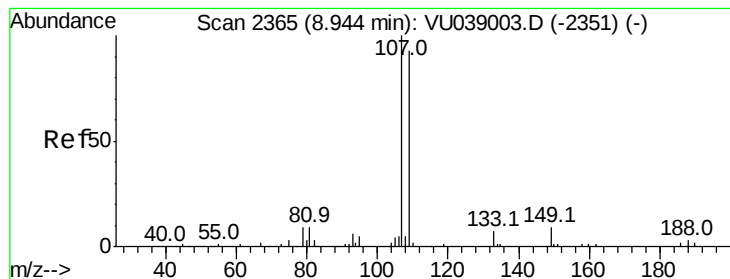
127 74.3 54.7 101.5



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V





#50

1,2-Dibromoethane

Concen: 0.956 ug/L

RT: 8.94 min Scan# 2365

Delta R.T. -0.00 min

Lab File: VU039002.D

Acq: 22 Jun 2020 13:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD00101

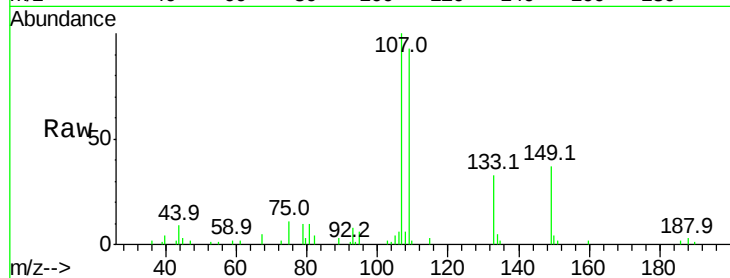
Tgt Ion:107 Resp: 16121

Ion Ratio Lower Upper

107 100

109 93.4 65.0 120.6

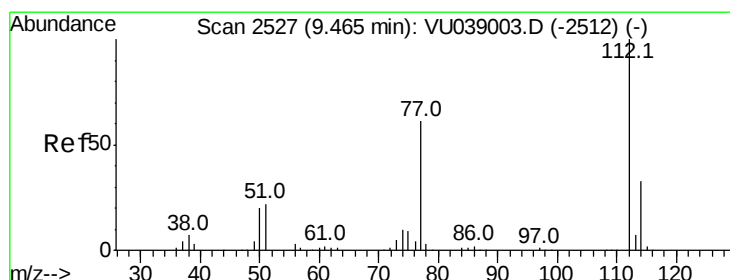
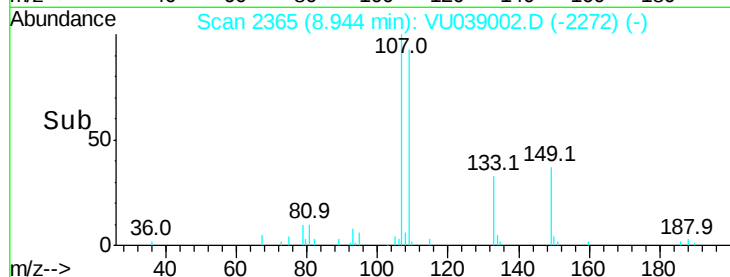
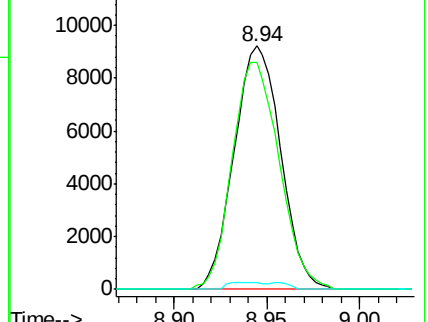
188 2.9 2.2 3.2



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: 1.001 ug/L

RT: 9.47 min Scan# 2527

Delta R.T. -0.00 min

Lab File: VU039002.D

Acq: 22 Jun 2020 13:29

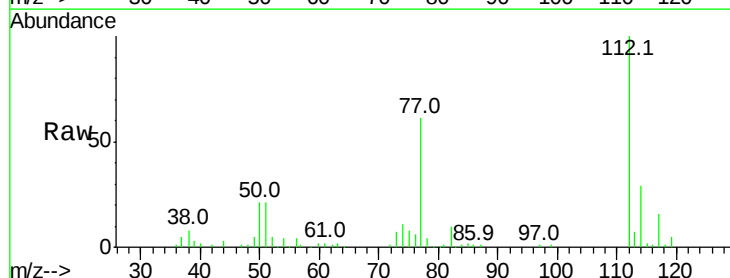
Tgt Ion:112 Resp: 55619

Ion Ratio Lower Upper

112 100

114 29.1 23.0 42.8

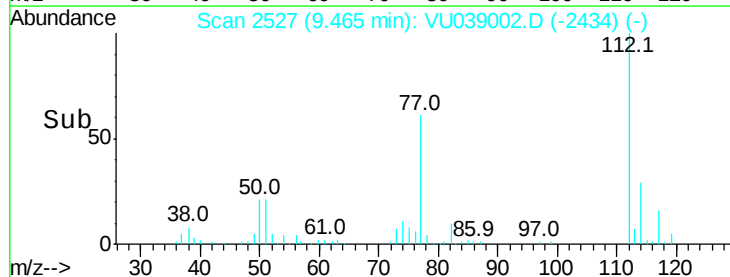
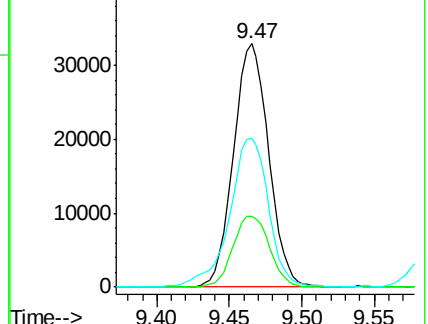
77 61.3 49.2 73.8

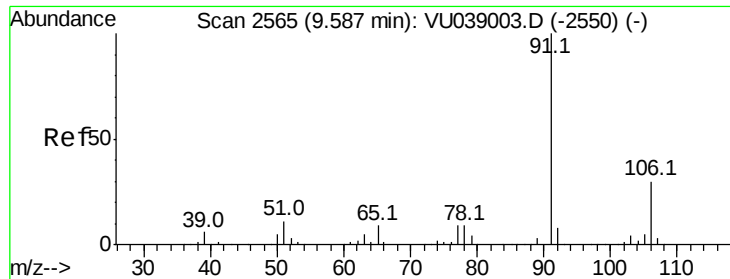


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU





#52

Ethylbenzene

Concen: 0.905 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU039002.D

Acq: 22 Jun 2020 13:29

Instrument :

MSVOA_U

ClientSampleId :

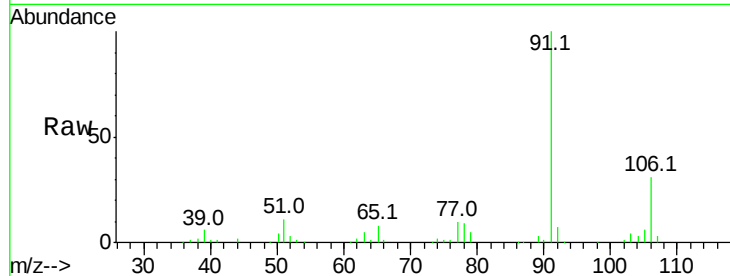
VSTD00101

Tgt Ion: 91 Resp: 86497

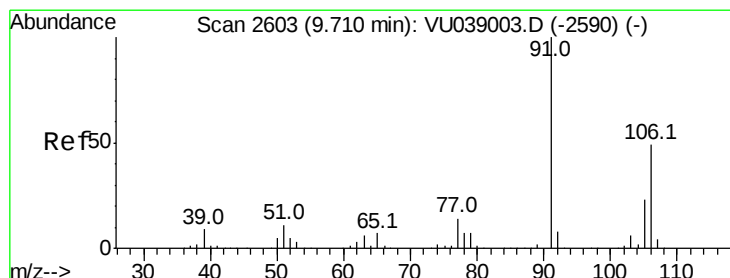
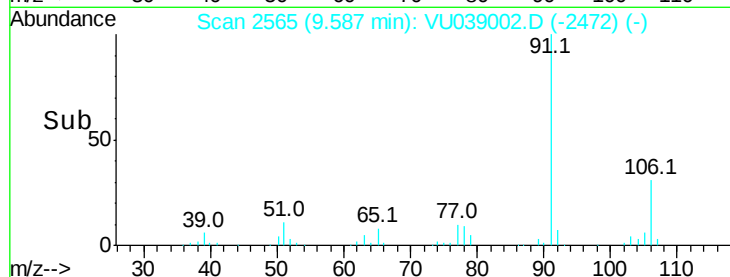
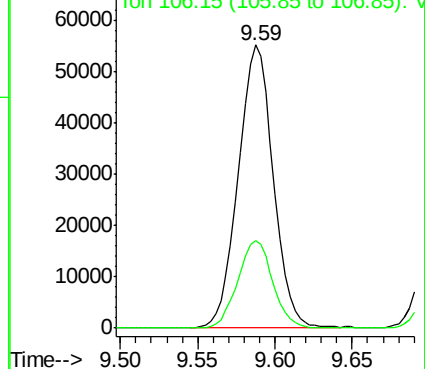
Ion Ratio Lower Upper

91 100

106 30.9 21.1 39.3



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



#53

m,p-Xylene

Concen: 0.914 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VU039002.D

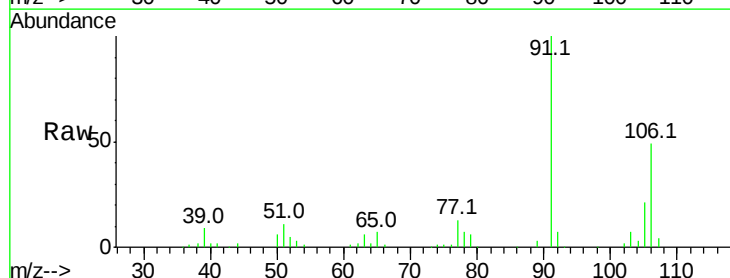
Acq: 22 Jun 2020 13:29

Tgt Ion: 106 Resp: 32895

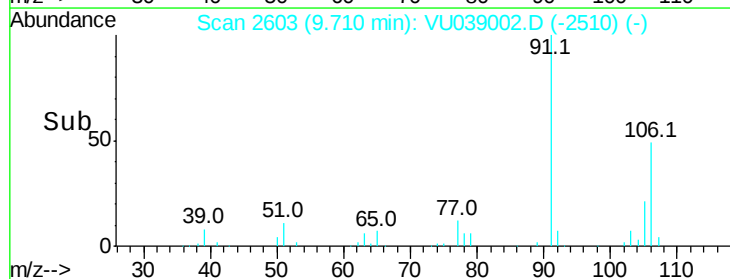
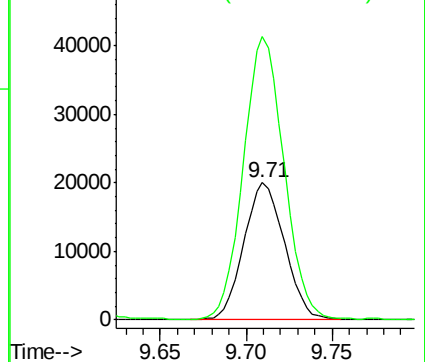
Ion Ratio Lower Upper

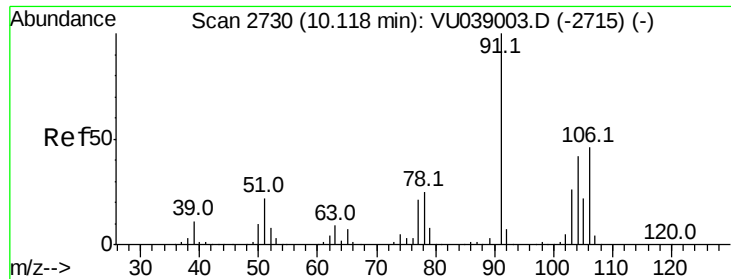
106 100

91 206.0 144.4 268.2



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

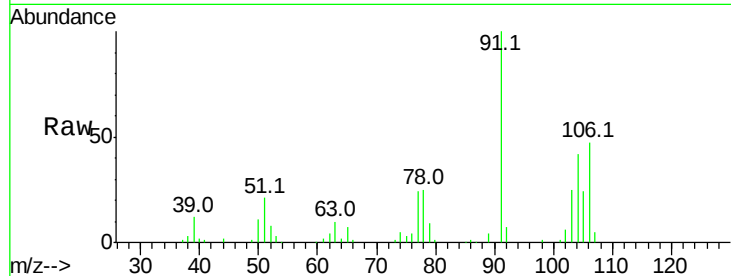




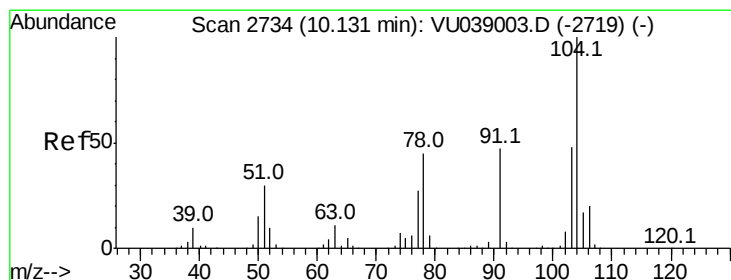
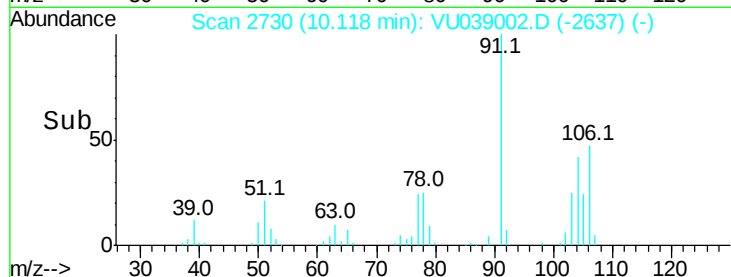
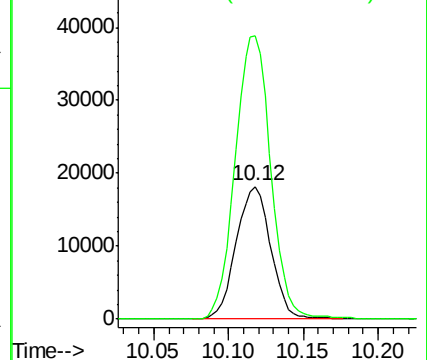
#54
o-Xylene
Concen: 0.842 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. -0.00 min
Lab File: VU039002.D
Acq: 22 Jun 2020 13:29

Instrument :
MSVOA_U
ClientSampleId :
VSTD00101

Tgt Ion:106 Resp: 29397
Ion Ratio Lower Upper
106 100
91 213.7 153.3 284.7

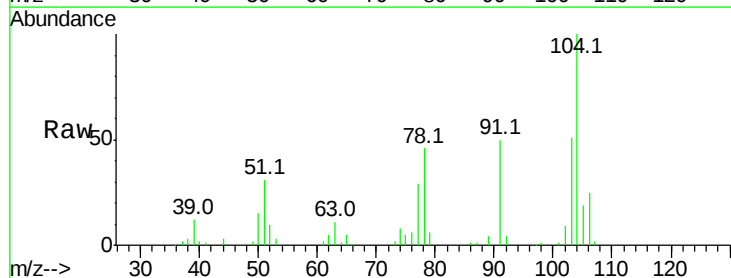


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

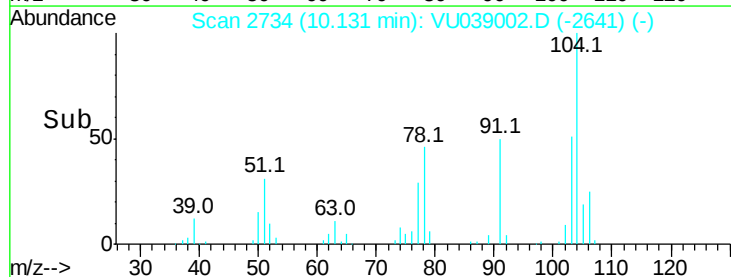
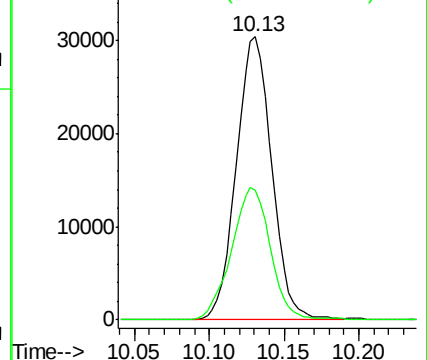


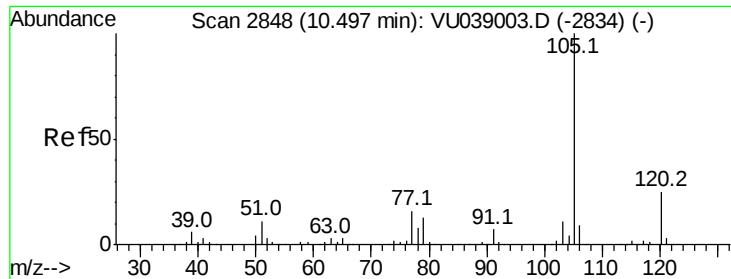
#55
Styrene
Concen: 0.837 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VU039002.D
Acq: 22 Jun 2020 13:29

Tgt Ion:104 Resp: 50173
Ion Ratio Lower Upper
104 100
78 45.7 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: 0.870 ug/L

RT: 10.50 min Scan# 2848

Delta R.T. -0.00 min

Lab File: VU039002.D

Acq: 22 Jun 2020 13:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD00101

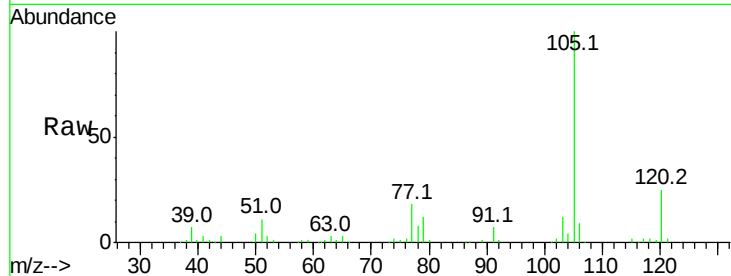
Tgt Ion: 105 Resp: 78663

Ion Ratio Lower Upper

105 100

120 25.6 20.1 30.1

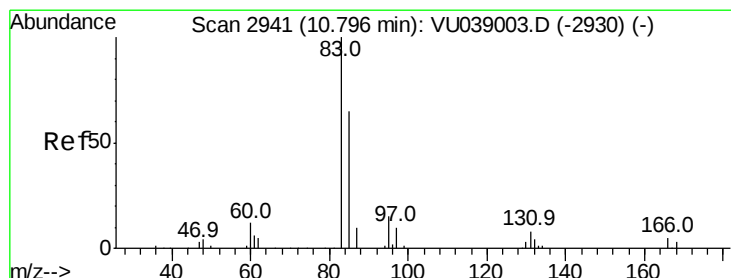
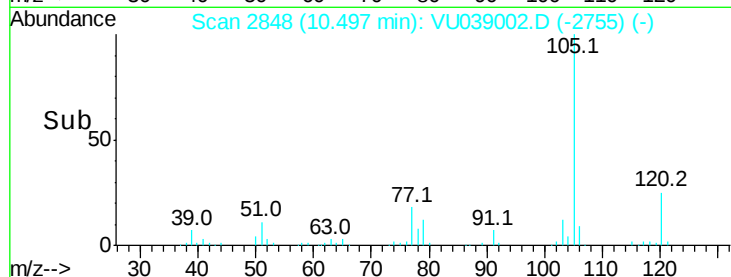
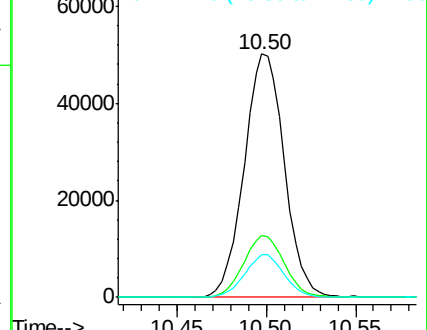
77 17.3 13.0 19.4



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: 0.998 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. -0.00 min

Lab File: VU039002.D

Acq: 22 Jun 2020 13:29

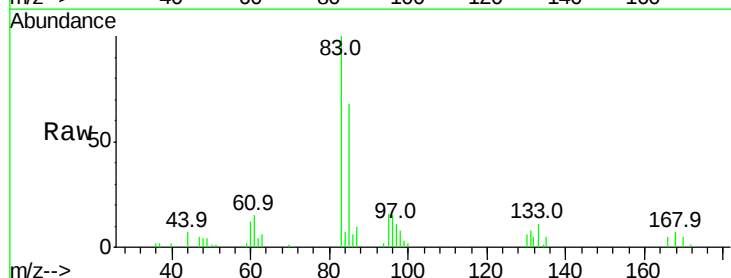
Tgt Ion: 83 Resp: 22266

Ion Ratio Lower Upper

83 100

85 67.7 45.2 84.0

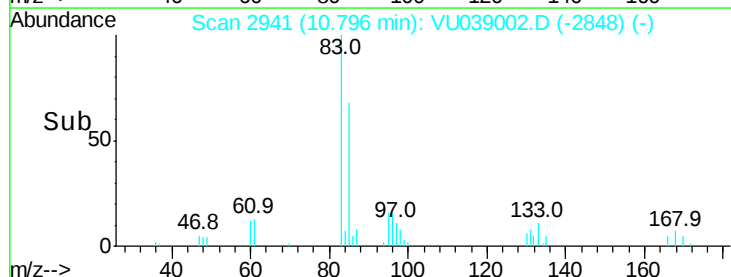
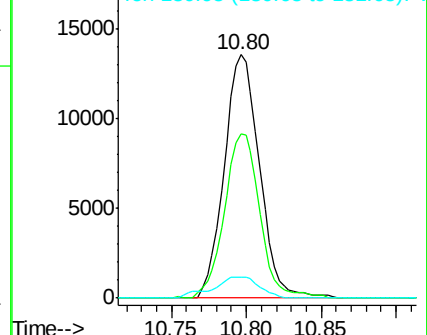
131 8.4 7.6 11.4

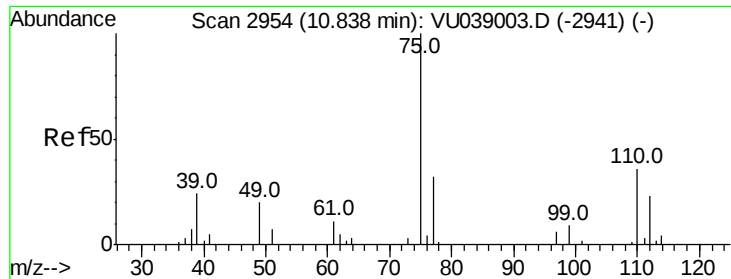


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

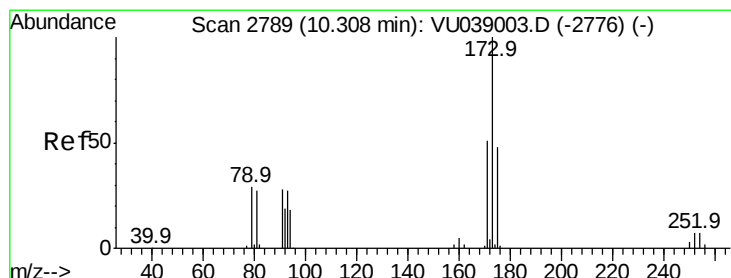
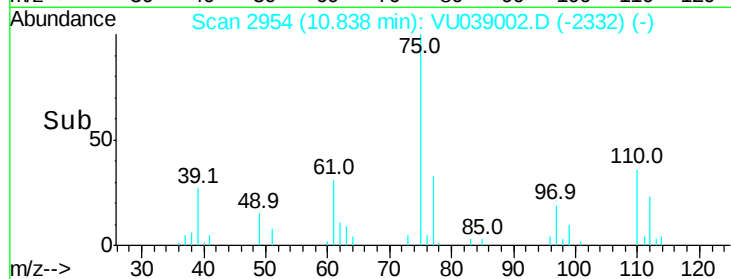
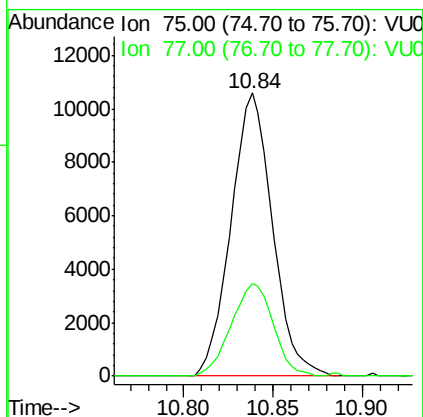
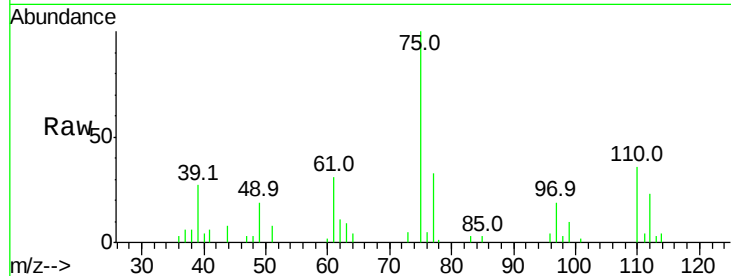




#59
 1,2,3-Trichloropropane
 Concen: 1.036 ug/L
 RT: 10.84 min Scan# 2954
 Delta R.T. -0.00 min
 Lab File: VU039002.D
 Acq: 22 Jun 2020 13:29

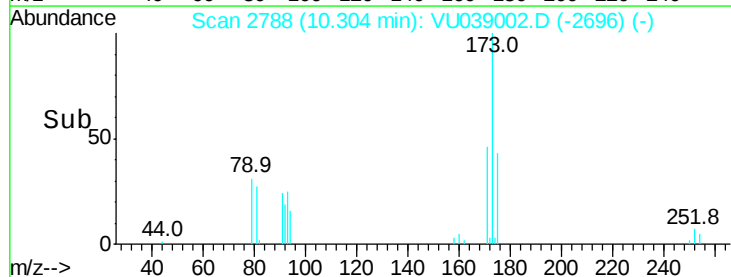
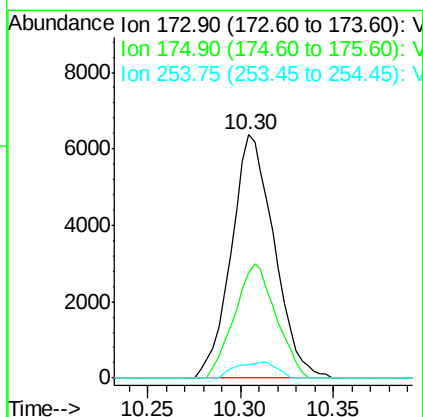
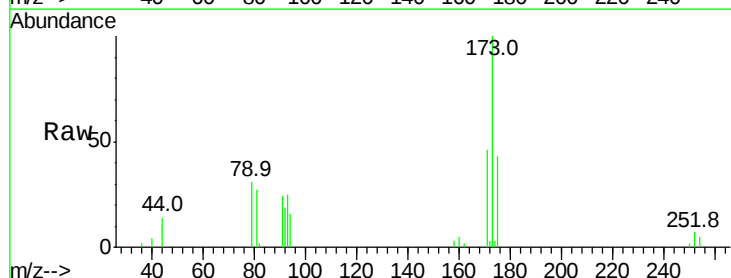
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00101

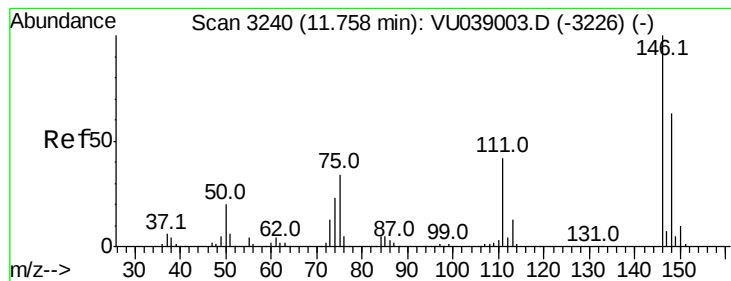
Tgt Ion: 75 Resp: 17164
 Ion Ratio Lower Upper
 75 100
 77 33.2 25.5 38.3



#61
 Bromoform
 Concen: 0.996 ug/L
 RT: 10.30 min Scan# 2788
 Delta R.T. -0.00 min
 Lab File: VU039002.D
 Acq: 22 Jun 2020 13:29

Tgt Ion: 173 Resp: 10207
 Ion Ratio Lower Upper
 173 100
 175 45.4 38.1 57.1
 254 6.3 4.8 7.2





#62

1,3-Dichlorobenzene

Concen: 1.031 ug/L

RT: 11.76 min Scan# 3240

Delta R.T. -0.00 min

Lab File: VU039002.D

Acq: 22 Jun 2020 13:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD00101

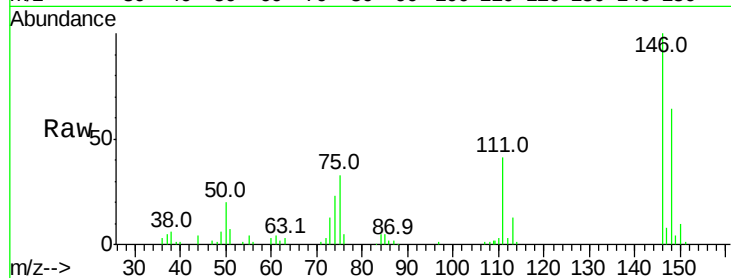
Tgt Ion:146 Resp: 42242

Ion Ratio Lower Upper

146 100

111 41.1 29.3 54.5

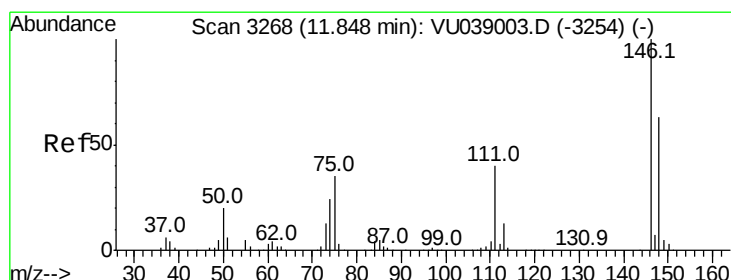
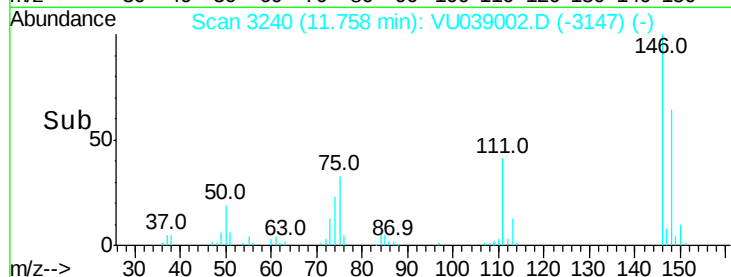
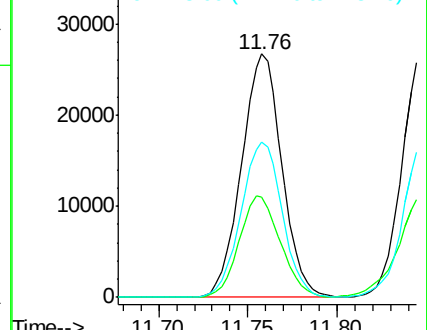
148 63.6 43.8 81.3



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: 1.044 ug/L

RT: 11.85 min Scan# 3268

Delta R.T. -0.00 min

Lab File: VU039002.D

Acq: 22 Jun 2020 13:29

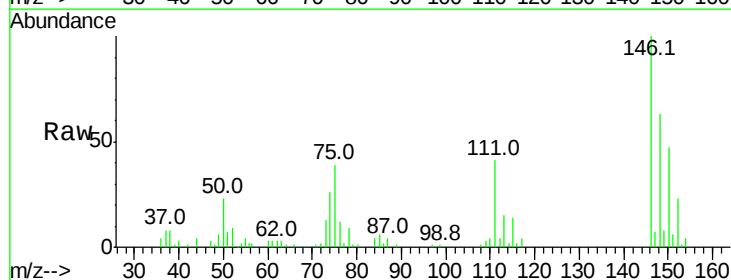
Tgt Ion:146 Resp: 43934

Ion Ratio Lower Upper

146 100

111 41.3 27.9 51.7

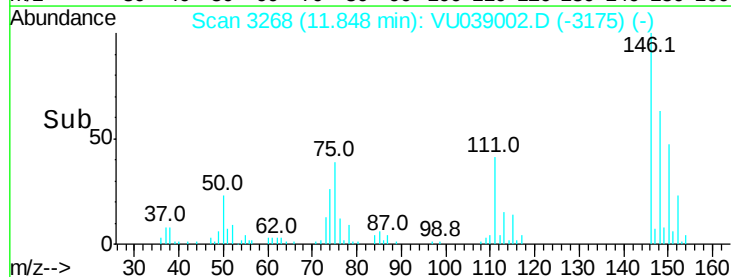
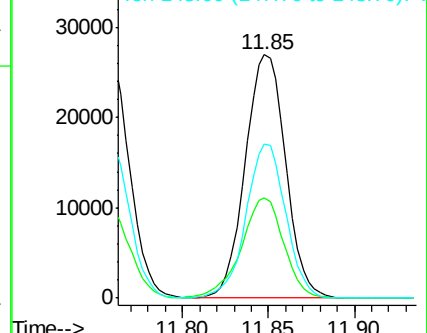
148 63.5 44.2 82.2

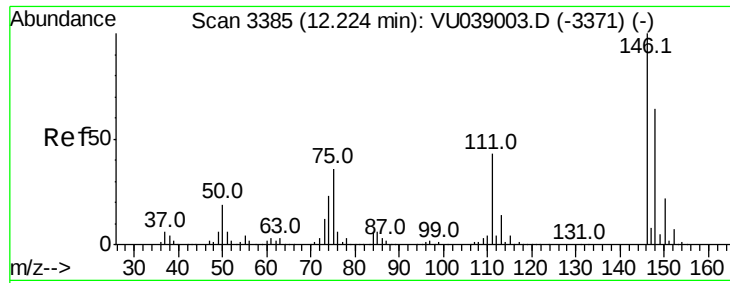


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

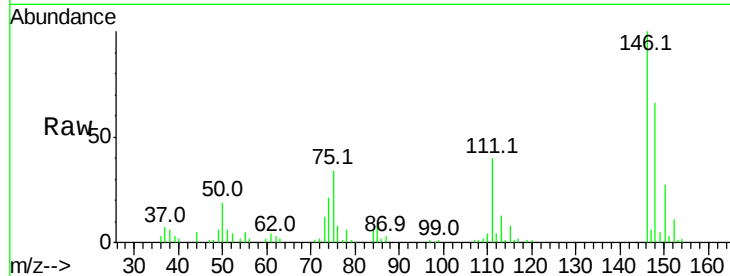




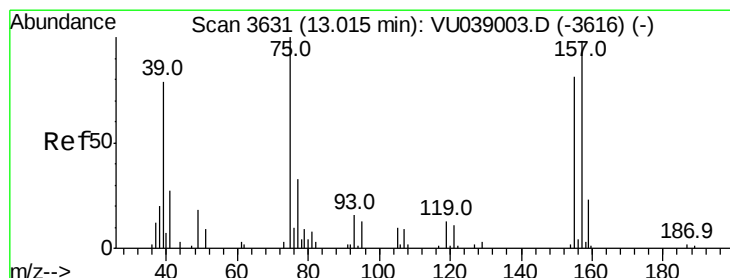
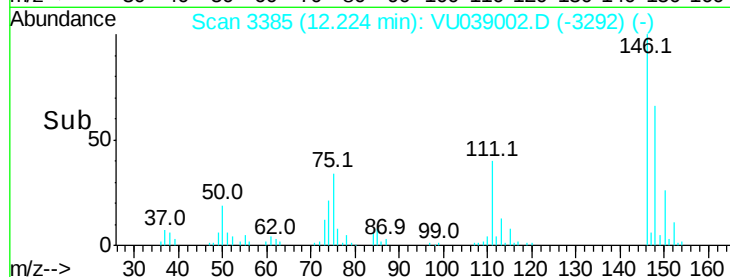
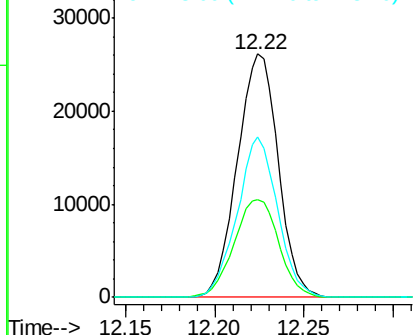
#65
 1,2-Dichlorobenzene
 Concen: 1.061 ug/L
 RT: 12.22 min Scan# 3385
 Delta R.T. -0.00 min
 Lab File: VU039002.D
 Acq: 22 Jun 2020 13:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00101

Tgt Ion:146 Resp: 41678
 Ion Ratio Lower Upper
 146 100
 111 40.3 34.2 51.2
 148 65.8 51.4 77.0

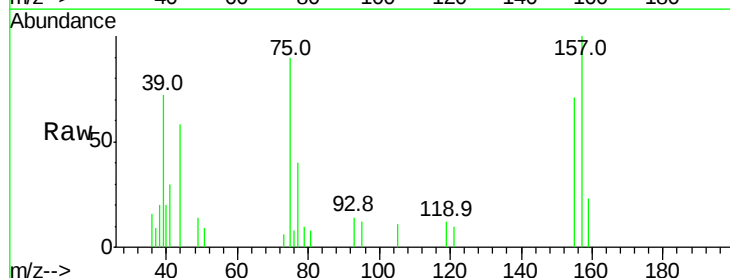


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

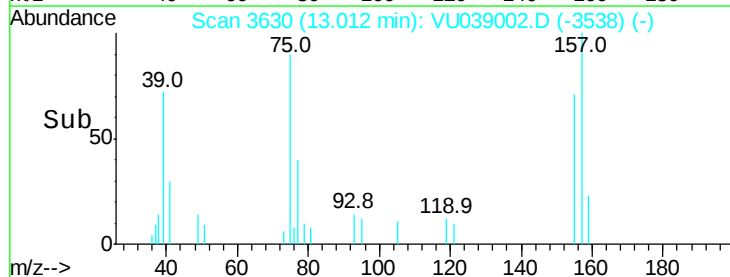
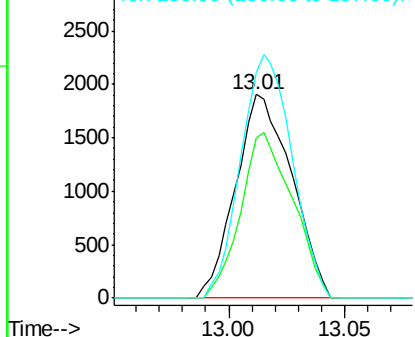


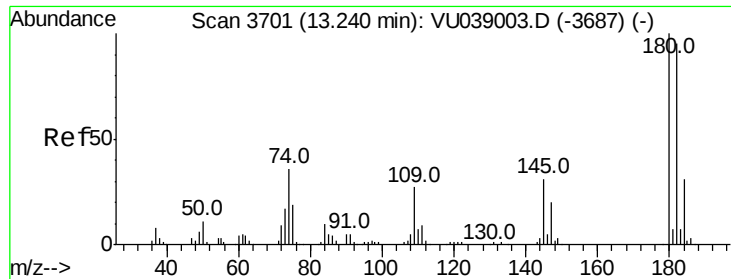
#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.873 ug/L
 RT: 13.01 min Scan# 3630
 Delta R.T. -0.00 min
 Lab File: VU039002.D
 Acq: 22 Jun 2020 13:29

Tgt Ion: 75 Resp: 3203
 Ion Ratio Lower Upper
 75 100
 155 78.8 64.5 96.7
 157 110.8 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

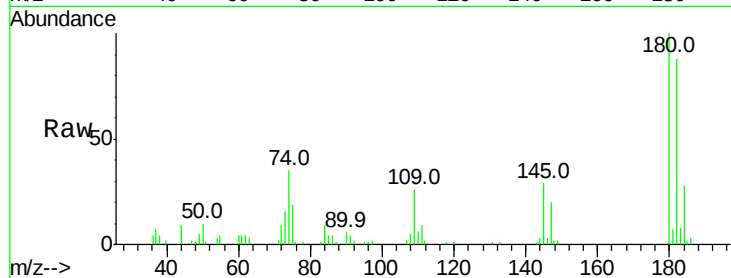




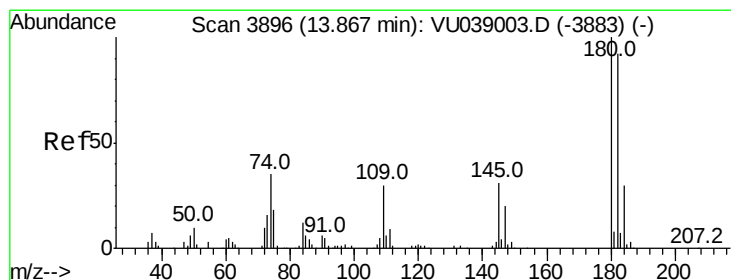
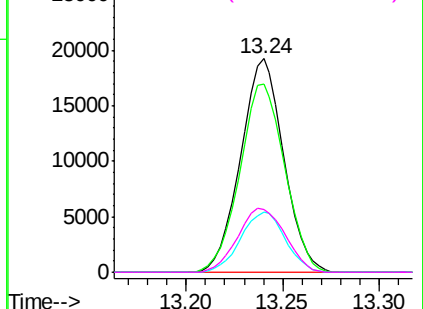
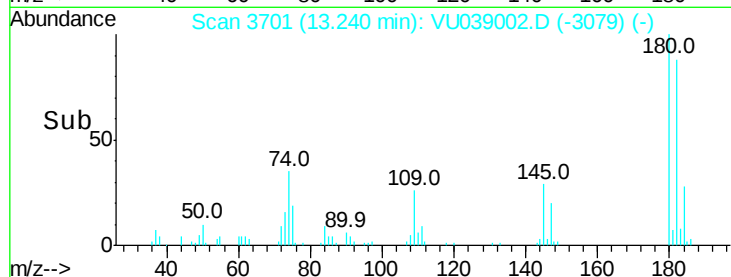
#67
 1,3,5-Trichlorobenzene
 Concen: 0.949 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.00 min
 Lab File: VU039002.D
 Acq: 22 Jun 2020 13:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00101

Tgt Ion:180 Resp: 29755
 Ion Ratio Lower Upper
 180 100
 182 91.9 77.2 115.8
 184 29.1 24.8 37.2
 145 32.7 24.6 37.0

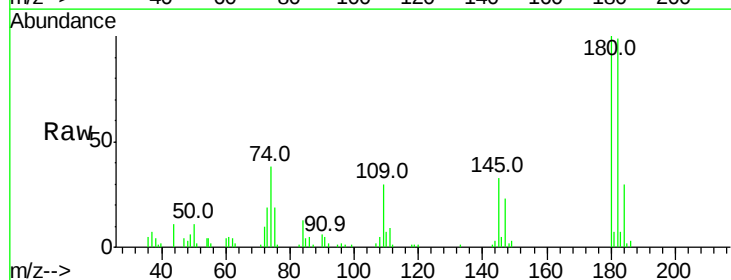


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

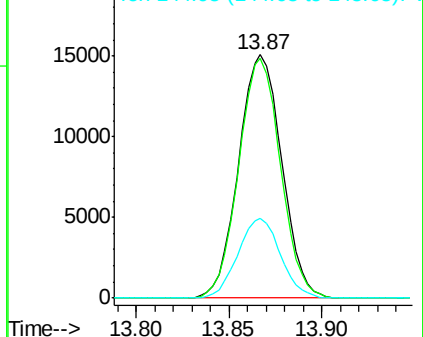
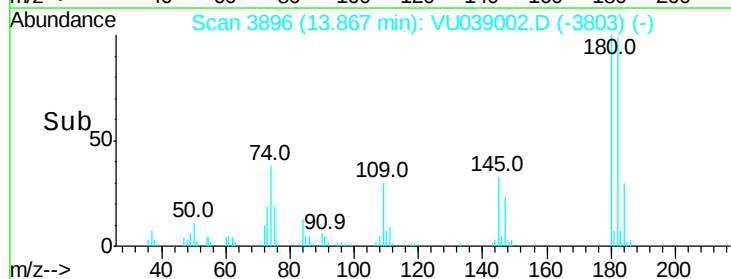


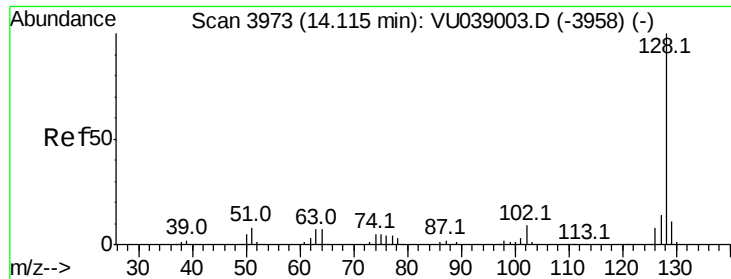
#68
 1,2,4-trichlorobenzene
 Concen: 0.876 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. -0.00 min
 Lab File: VU039002.D
 Acq: 22 Jun 2020 13:29

Tgt Ion:180 Resp: 24365
 Ion Ratio Lower Upper
 180 100
 182 95.5 75.1 112.7
 145 32.3 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: 0.824 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.00 min

Lab File: VU039002.D

Acq: 22 Jun 2020 13:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD00101

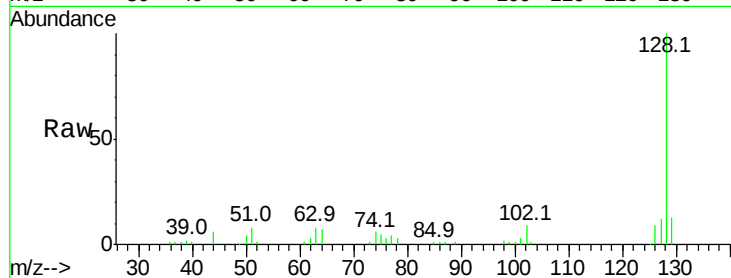
Tgt Ion:128 Resp: 42048

Ion Ratio Lower Upper

128 100

129 11.7 8.7 13.1

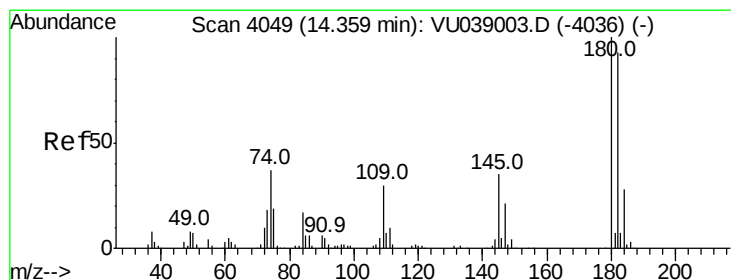
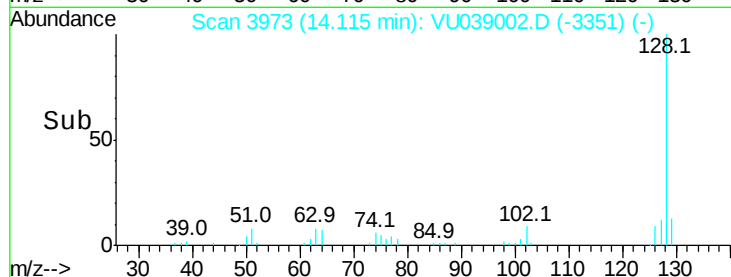
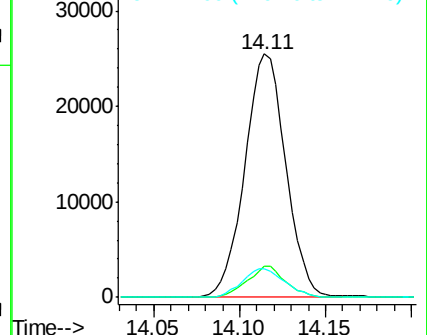
127 12.4 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.834 ug/L

RT: 14.36 min Scan# 4050

Delta R.T. 0.00 min

Lab File: VU039002.D

Acq: 22 Jun 2020 13:29

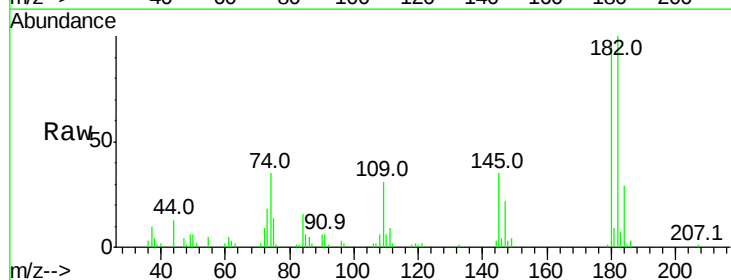
Tgt Ion:180 Resp: 22145

Ion Ratio Lower Upper

180 100

182 100.3 75.1 112.7

145 35.0 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

