

Data File : VU039001.D
Acq On : 22 Jun 2020 13:05
Operator : SY/MD
Sample : VSTD0.5
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.506

Quant Time: Jun 22 14:59:28 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	291189	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	293998	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	140392	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	11729	0.44	ug/L	0.00
7) Chloroethane-d5	1.93	69	9088	0.46	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	21989	0.45	ug/L	0.00
20) 2-Butanone-d5	4.67	46	37876	4.67	ug/L	0.00
24) Chloroform-d	5.10	84	22635	0.49	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	12737	0.47	ug/L	0.00
32) Benzene-d6	5.76	84	42106	0.47	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	14410	0.50	ug/L	0.00
41) Toluene-d8	7.92	98	33976	0.39	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	5465	0.40	ug/L	0.00
46) 2-Hexanone-d5	8.66	63	24827	4.15	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	11942	0.46	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.20	152	13580	0.48	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	14537	0.488 ug/L	98
3) Chloromethane	1.53	50	8034	0.272 ug/L	98
5) Vinyl chloride	1.62	62	15874	0.516 ug/L	95
6) Bromomethane	1.87	94	3870	0.328 ug/L	88
8) Chloroethane	1.95	64	16522	0.944 ug/L #	70
9) Trichlorofluoromethane	2.15	101	19292	0.482 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	10952	0.465 ug/L	97
12) 1,1-Dichloroethene	2.60	96	10677	0.495 ug/L	84
13) Acetone	2.67	43	28111	5.635 ug/L	95
14) Carbon disulfide	2.82	76	39027	0.531 ug/L	99
15) Methyl Acetate	2.99	43	6960	0.562 ug/L	98
16) Methylene chloride	3.07	84	14768	0.557 ug/L	94
17) Methyl tert-butyl Ether	3.40	73	22626	0.396 ug/L	98
18) trans-1,2-Dichloroethene	3.38	96	11651	0.511 ug/L	93
19) 1,1-Dichloroethane	3.91	63	23210	0.527 ug/L	94
21) 2-Butanone	4.75	43	40367	5.016 ug/L	98
22) cis-1,2-Dichloroethene	4.71	96	12212	0.505 ug/L	88
23) Bromochloromethane	5.01	128	6190	0.561 ug/L	90
25) Chloroform	5.12	83	24424	0.563 ug/L	97
27) 1,2-Dichloroethane	5.83	62	16882	0.540 ug/L #	94
29) 1,1,1-Trichloroethane	5.35	97	19325	0.509 ug/L	99
30) Cyclohexane	5.42	56	17318	0.462 ug/L	94
31) Carbon tetrachloride	5.56	117	16413	0.515 ug/L	99
33) Benzene	5.81	78	47852	0.499 ug/L	100
34) Trichloroethene	6.57	95	12605	0.526 ug/L	99
35) Methylcyclohexane	6.79	83	16313	0.442 ug/L	95
37) 1,2-Dichloropropane	6.82	63	13136	0.508 ug/L #	95
38) Bromodichloromethane	7.13	83	16353	0.486 ug/L #	98
39) cis-1,3-Dichloropropene	7.63	75	18185	0.445 ug/L	95
40) 4-Methyl-2-pentanone	7.82	43	90474	4.127 ug/L	98

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Quant Title : TRACE VOA SOM01.0
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.99	91	45778	0.427	ug/L	97
44) trans-1,3-Dichloropropene	8.23	75	15392	0.430	ug/L	86
45) 1,1,2-Trichloroethane	8.42	97	10175	0.498	ug/L	94
47) Tetrachloroethene	8.57	164	8478	0.465	ug/L	98
48) 2-Hexanone	8.71	43	68303	4.651	ug/L	95
49) Dibromochloromethane	8.83	129	10502	0.476	ug/L	97
50) 1,2-Dibromoethane	8.94	107	9281	0.490	ug/L #	93
51) Chlorobenzene	9.47	112	31948	0.512	ug/L	94
52) Ethylbenzene	9.59	91	49394	0.460	ug/L	99
53) m,p-Xylene	9.71	106	17491	0.433	ug/L	95
54) o-Xylene	10.12	106	16858	0.430	ug/L	89
55) Styrene	10.13	104	25639	0.381	ug/L	90
56) Isopropylbenzene	10.50	105	44160	0.434	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	13095	0.522	ug/L	97
59) 1,2,3-Trichloropropane	10.84	75	9827	0.528	ug/L	99
61) Bromoform	10.31	173	5581	0.487	ug/L #	97
62) 1,3-Dichlorobenzene	11.76	146	23343	0.510	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	24198	0.514	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	22931	0.522	ug/L	95
66) 1,2-Dibromo-3-chloropropan	13.01	75	2317	0.565	ug/L #	58
67) 1,3,5-Trichlorobenzene	13.24	180	17412	0.497	ug/L	97
68) 1,2,4-trichlorobenzene	13.86	180	13875	0.446	ug/L	100
69) Naphthalene	14.11	128	26461	0.464	ug/L	98
70) 1,2,3-Trichlorobenzene	14.36	180	13443	0.453	ug/L	97

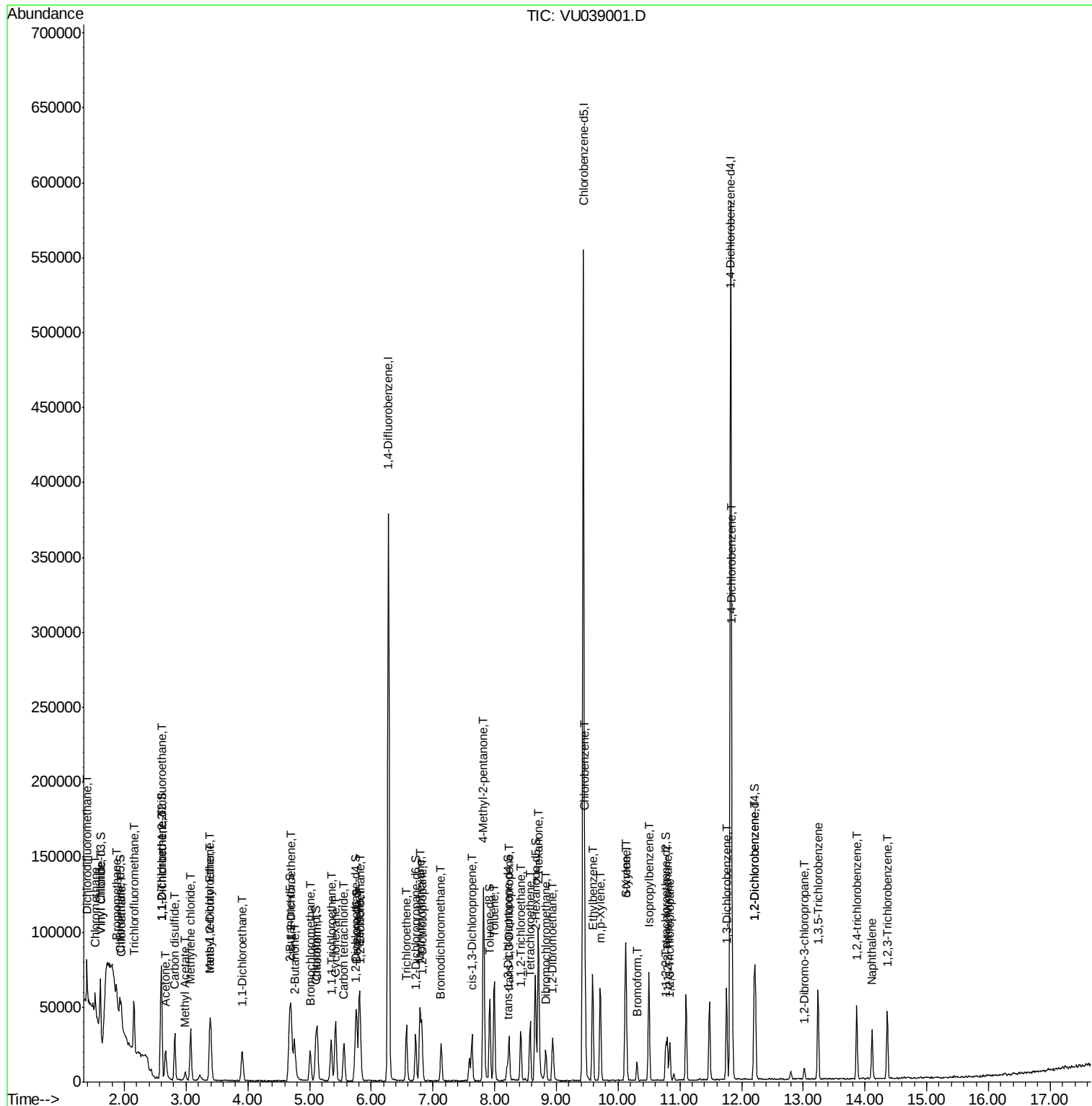
(#) = qualifier out of range (m) = manual integration (+) = signals summed

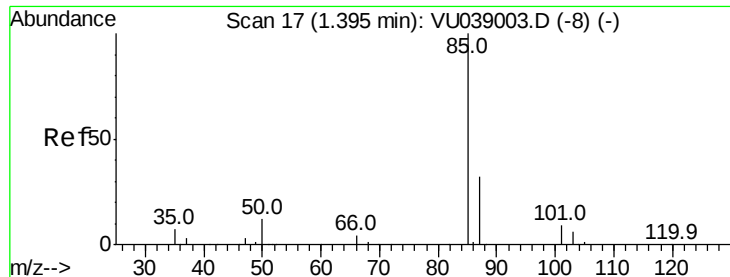
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#2

Dichlorodifluoromethane

Concen: 0.488 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU039001.D

Acq: 22 Jun 2020 13:05

Instrument :

MSVOA_U

ClientSampleId :

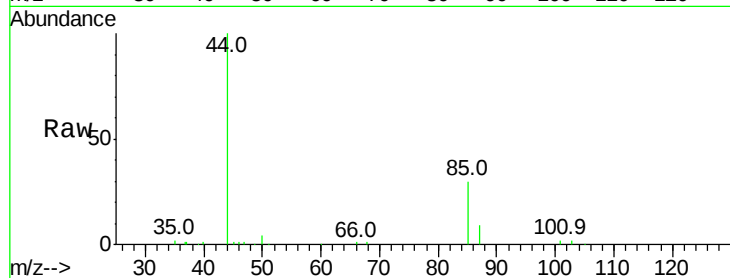
VSTD0.506

Tgt Ion: 85 Resp: 14537

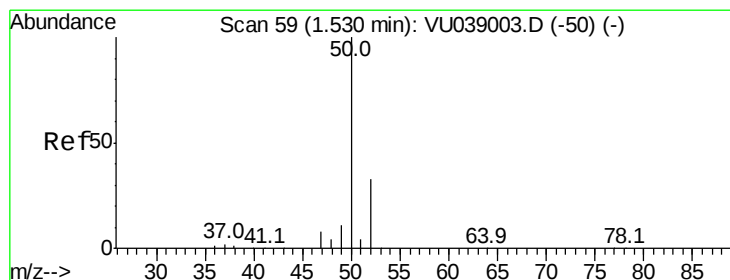
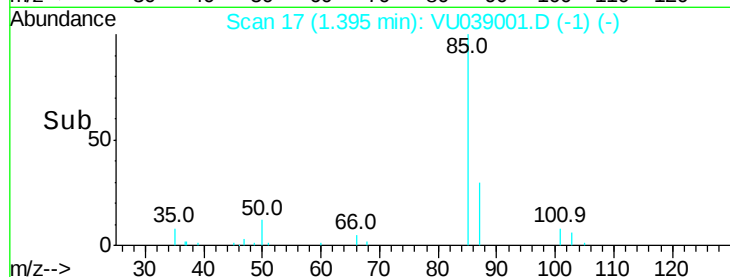
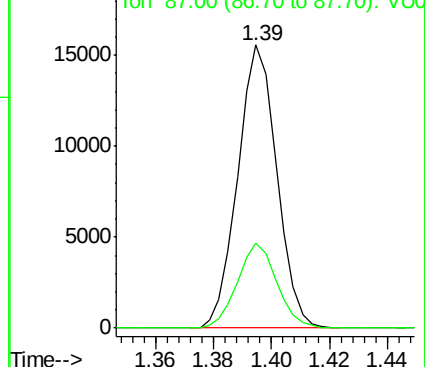
Ion Ratio Lower Upper

85 100

87 30.2 25.0 37.6



Abundance Ion 85.00 (84.70 to 85.70): VU039001.D (-8) (-)



#3

Chloromethane

Concen: 0.272 ug/L

RT: 1.53 min Scan# 59

Delta R.T. -0.00 min

Lab File: VU039001.D

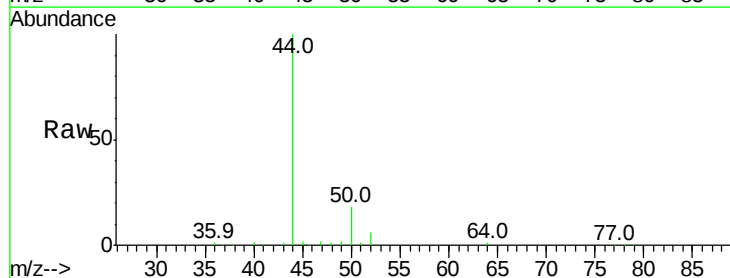
Acq: 22 Jun 2020 13:05

Tgt Ion: 50 Resp: 8034

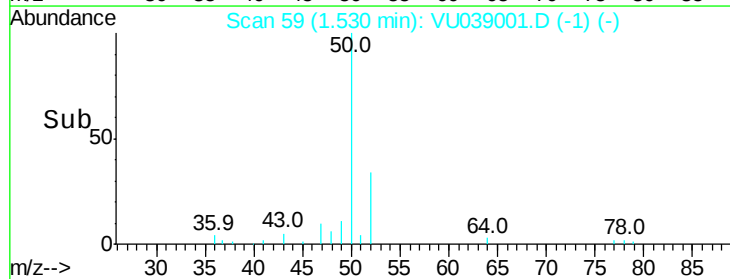
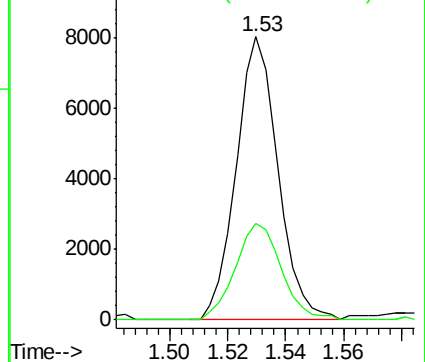
Ion Ratio Lower Upper

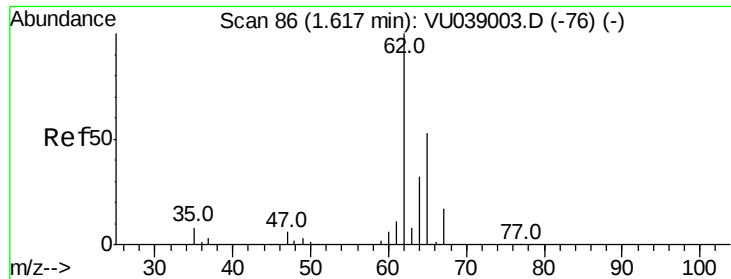
50 100

52 33.9 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VU039001.D (-50) (-)





#5

Vinyl chloride

Concen: 0.516 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU039001.D

Acq: 22 Jun 2020 13:05

Instrument :

MSVOA_U

ClientSampleId :

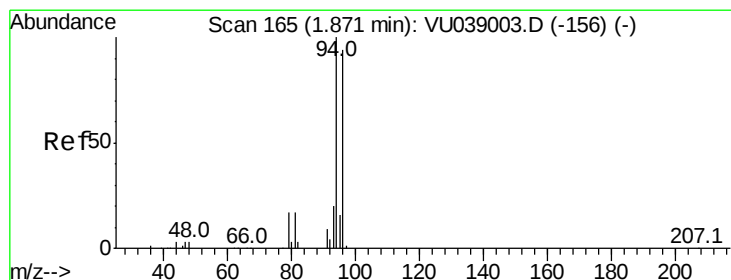
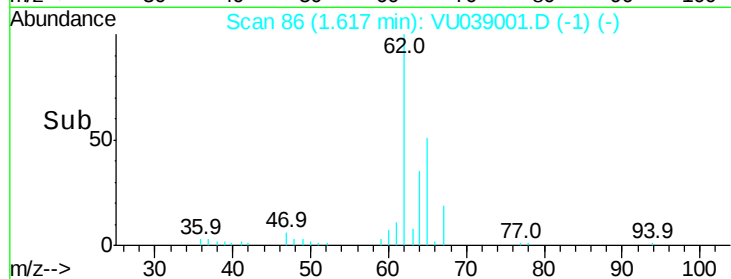
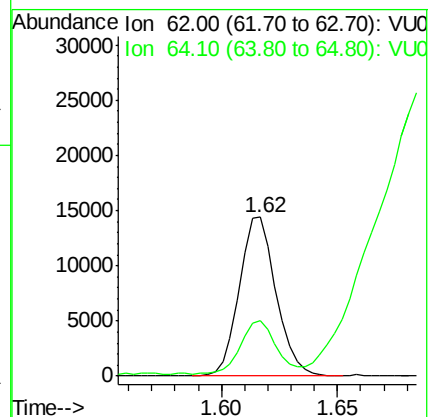
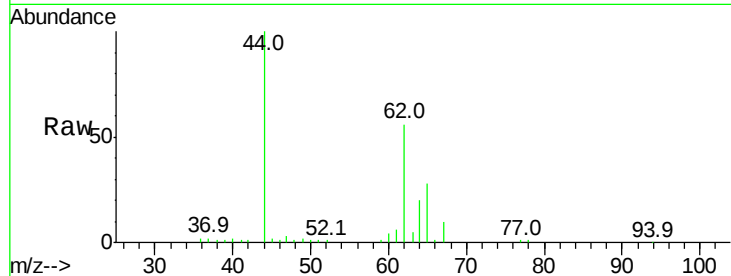
VSTD0.506

Tgt Ion: 62 Resp: 15874

Ion Ratio Lower Upper

62 100

64 35.2 22.5 41.9



#6

Bromomethane

Concen: 0.328 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU039001.D

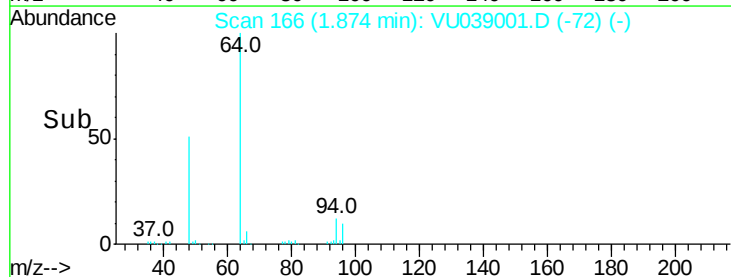
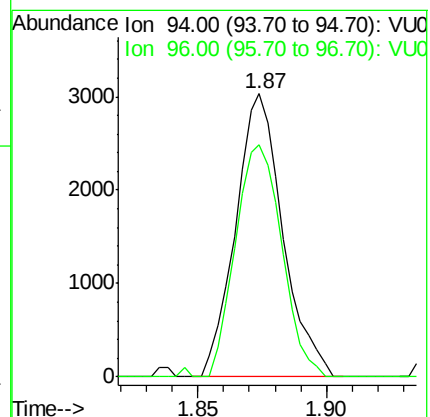
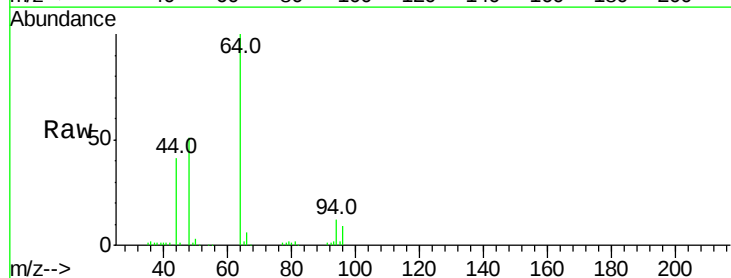
Acq: 22 Jun 2020 13:05

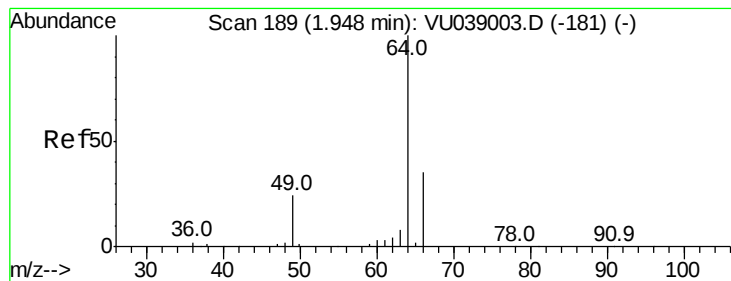
Tgt Ion: 94 Resp: 3870

Ion Ratio Lower Upper

94 100

96 81.9 65.5 121.7





#8

Chloroethane

Concen: 0.944 ug/L

RT: 1.95 min Scan# 189

Delta R.T. -0.00 min

Lab File: VU039001.D

Acq: 22 Jun 2020 13:05

Instrument :

MSVOA_U

ClientSampleId :

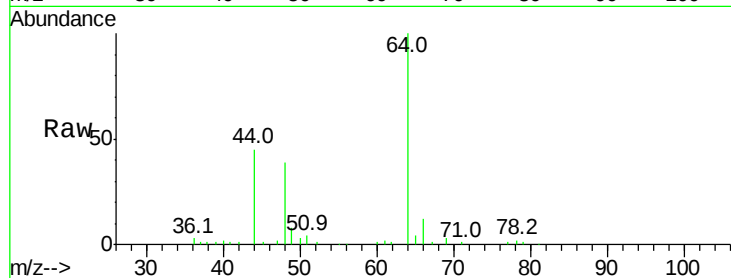
VSTD0.506

Tgt Ion: 64 Resp: 16522

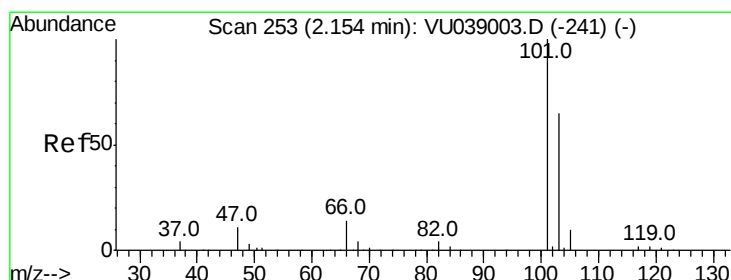
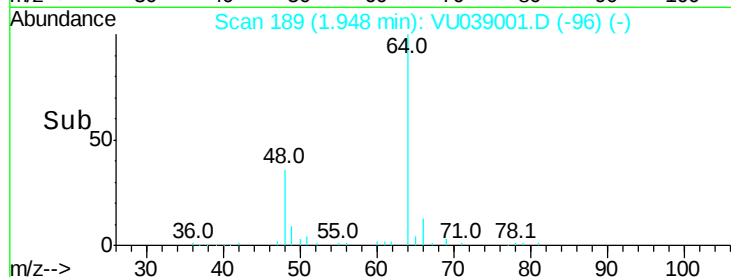
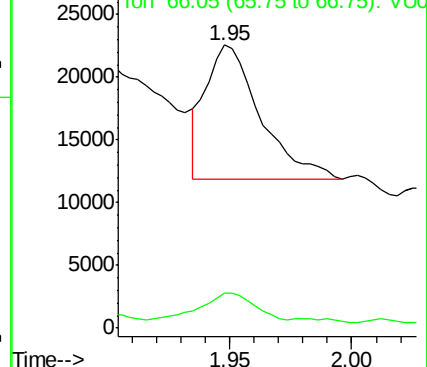
Ion Ratio Lower Upper

64 100

66 12.2 19.4 36.0#



Abundance Ion 64.10 (63.80 to 64.80): VU039001.D (-181) (-)



#9

Trichlorofluoromethane

Concen: 0.482 ug/L

RT: 2.15 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU039001.D

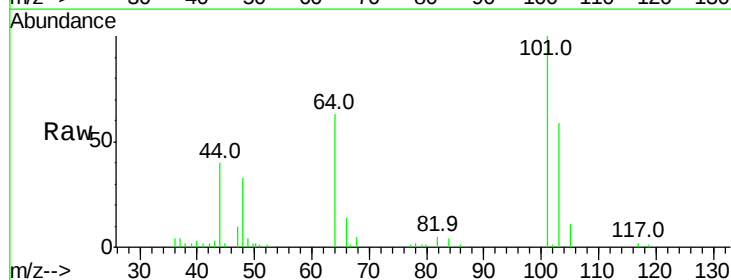
Acq: 22 Jun 2020 13:05

Tgt Ion: 101 Resp: 19292

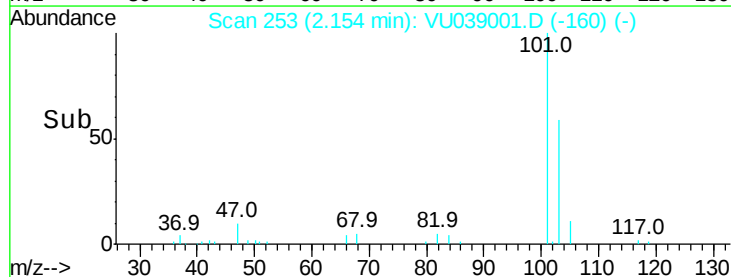
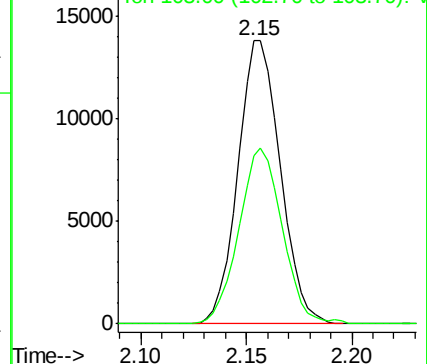
Ion Ratio Lower Upper

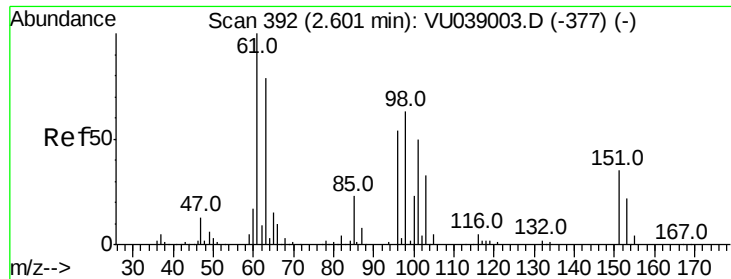
101 100

103 63.7 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): VU039001.D (-241) (-)





#10

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

Concen: 0.465 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.00 min

Lab File: VU039001.D

Acq: 22 Jun 2020 13:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.506

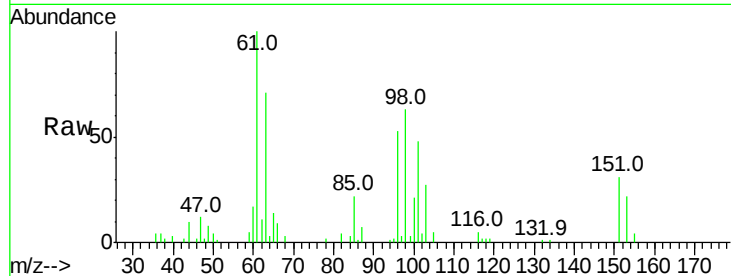
Tgt Ion:101 Resp: 10952

Ion Ratio Lower Upper

101 100

85 43.3 36.5 54.7

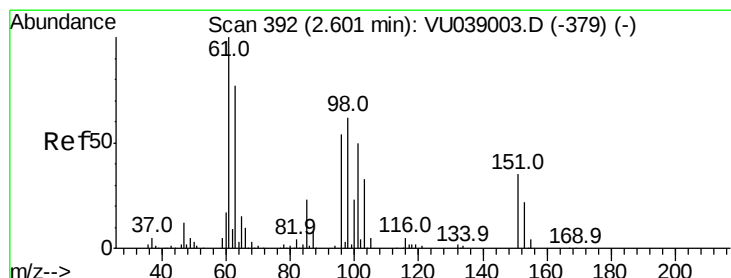
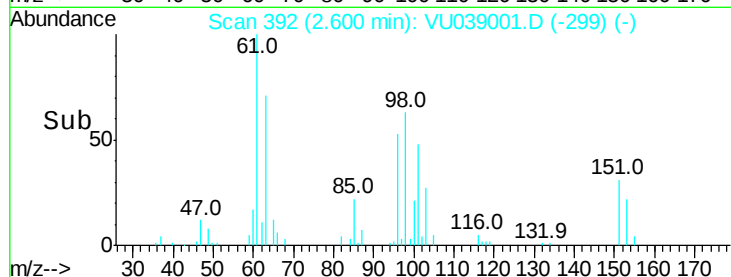
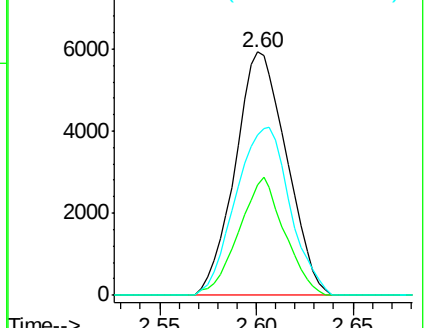
151 72.6 56.2 84.4



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: 0.495 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU039001.D

Acq: 22 Jun 2020 13:05

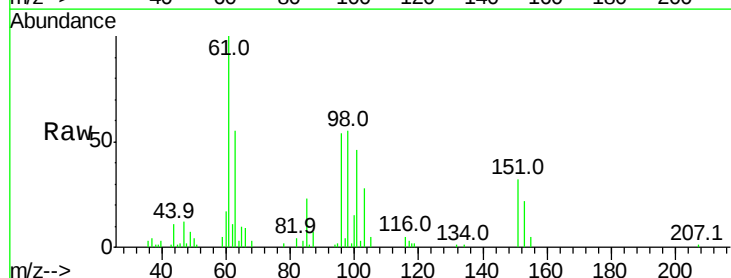
Tgt Ion: 96 Resp: 10677

Ion Ratio Lower Upper

96 100

61 184.2 128.7 239.1

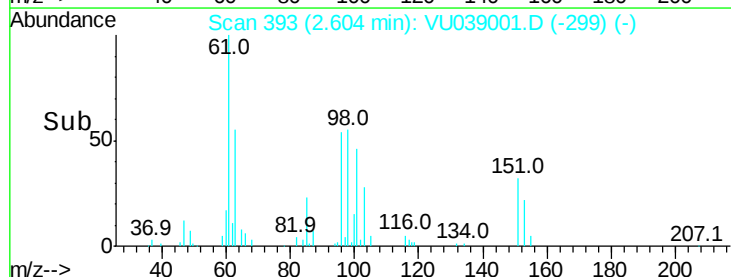
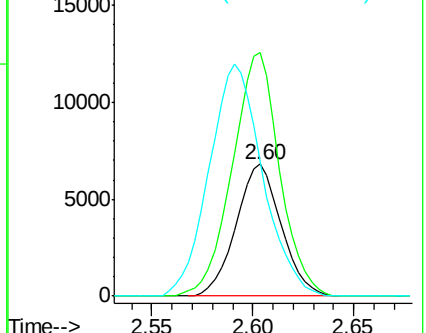
63 101.5 101.5 188.5

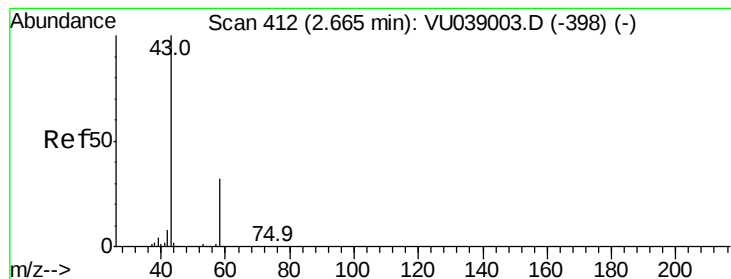


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 5.635 ug/L

RT: 2.67 min Scan# 413

Delta R.T. 0.00 min

Lab File: VU039001.D

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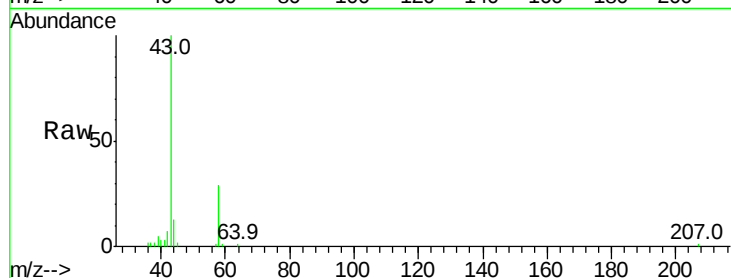
VSTD0.506

Tgt Ion: 43 Resp: 28111

Ion Ratio Lower Upper

43 100

58 29.6 0.0 64.8



Abundance Ion 43.05 (42.75 to 43.75): VU039001.D (-398) (-)

Ion 58.05 (57.75 to 58.75): VU039001.D (-398) (-)

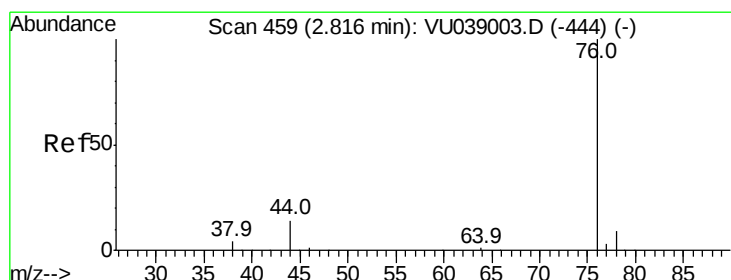
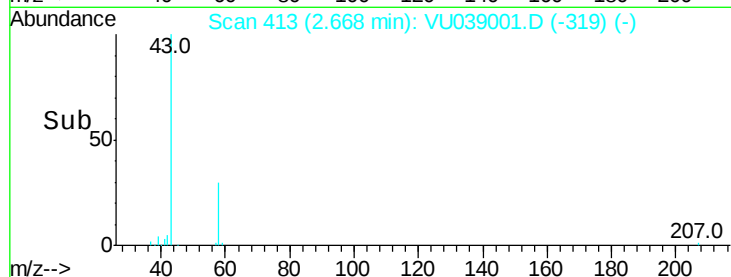
2.67

10000

5000

0

Time-->



#14

Carbon disulfide

Concen: 0.531 ug/L

RT: 2.82 min Scan# 459

Delta R.T. -0.00 min

Lab File: VU039001.D

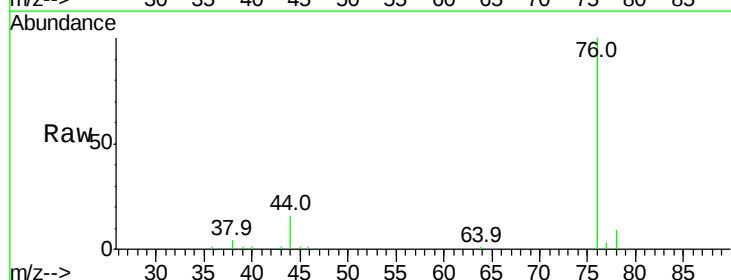
Acq: 22 Jun 2020 13:05

Tgt Ion: 76 Resp: 39027

Ion Ratio Lower Upper

76 100

78 9.4 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU039001.D (-444) (-)

Ion 78.00 (77.70 to 78.70): VU039001.D (-444) (-)

2.82

25000

20000

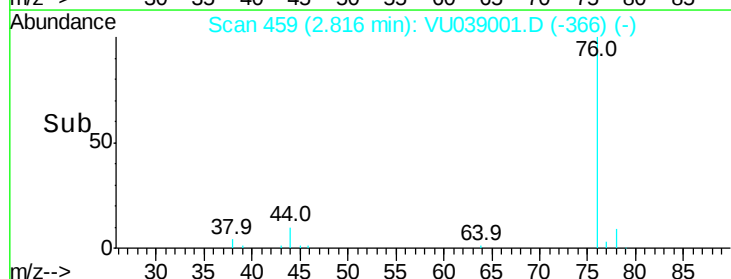
15000

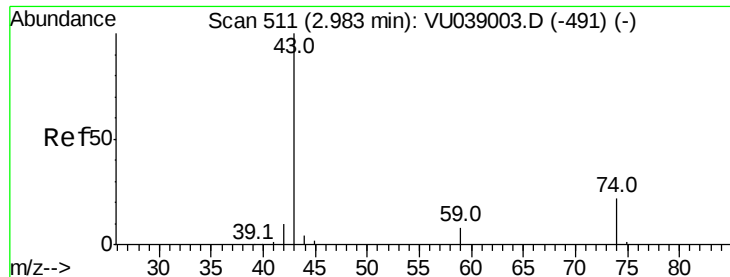
10000

5000

0

Time-->

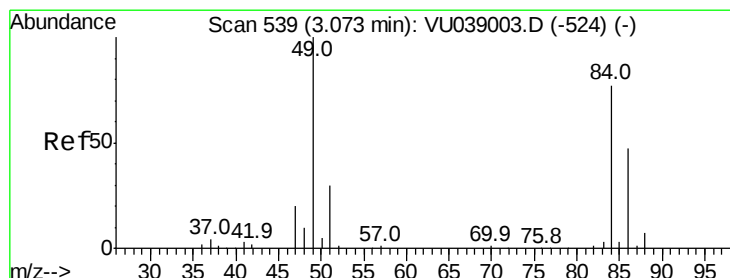
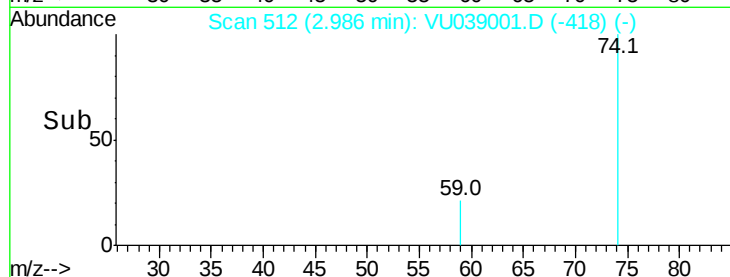
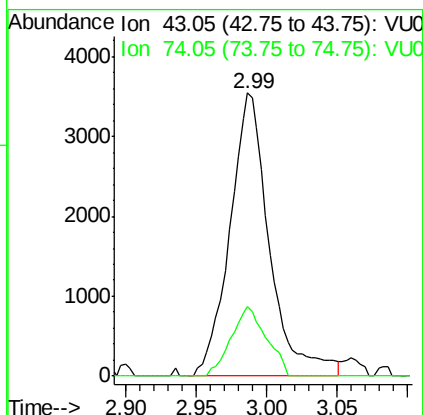
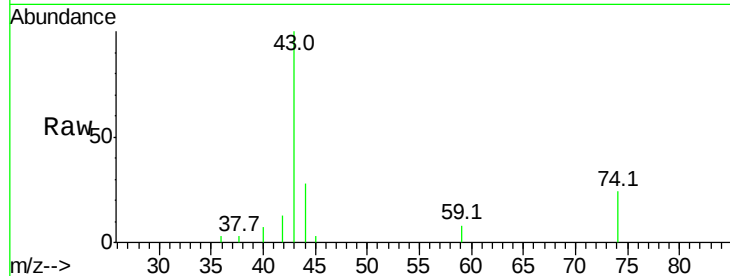




#15
Methyl Acetate
Concen: 0.562 ug/L
RT: 2.99 min Scan# 512
Delta R.T. 0.00 min
Lab File: VU039001.D
Acq: 22 Jun 2020 13:05

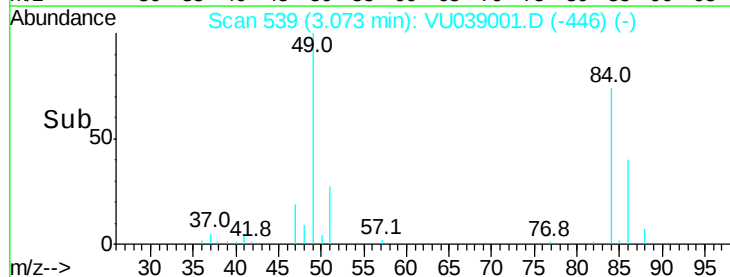
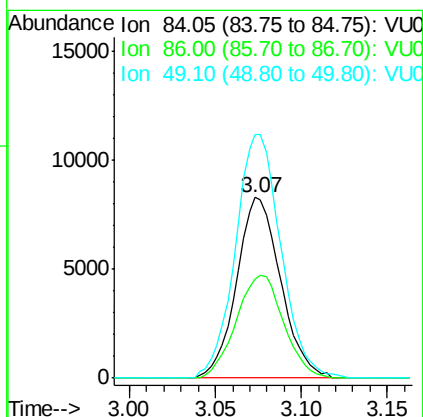
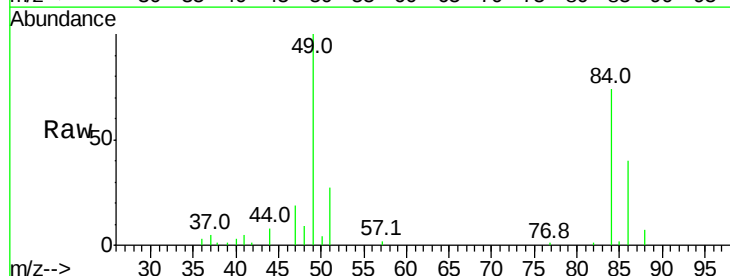
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.506

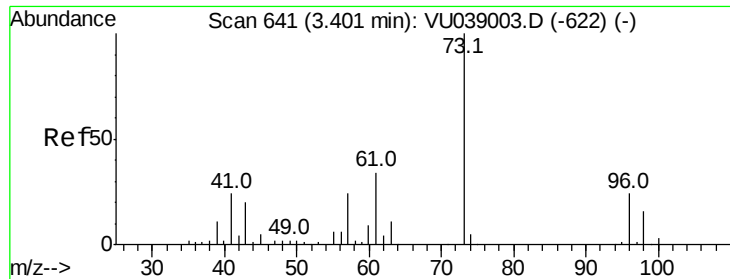
Tgt Ion: 43 Resp: 6960
Ion Ratio Lower Upper
43 100
74 21.8 18.0 27.0



#16
Methylene chloride
Concen: 0.557 ug/L
RT: 3.07 min Scan# 539
Delta R.T. -0.00 min
Lab File: VU039001.D
Acq: 22 Jun 2020 13:05

Tgt Ion: 84 Resp: 14768
Ion Ratio Lower Upper
84 100
86 54.6 43.1 80.1
49 135.1 90.9 168.9

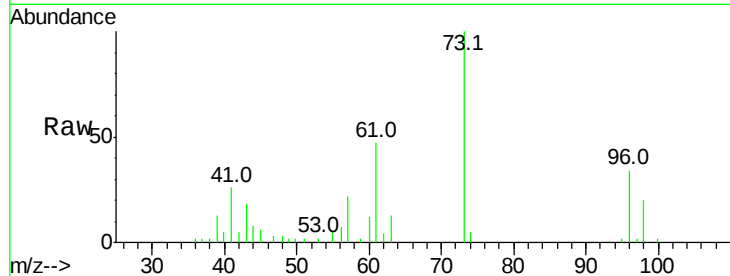




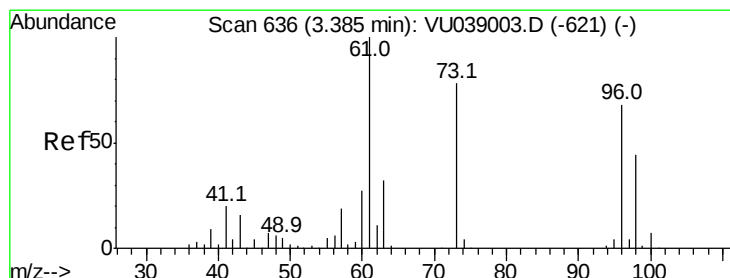
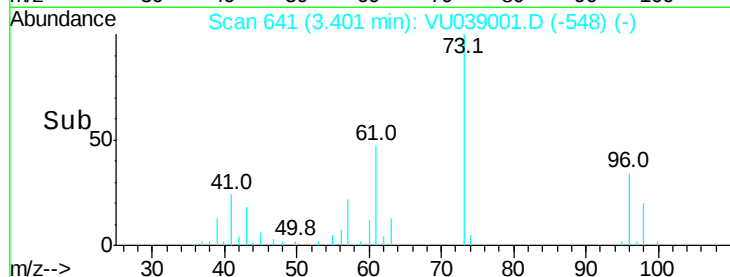
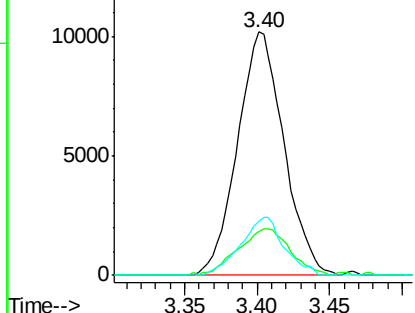
#17
Methyl tert-butyl Ether
Concen: 0.396 ug/L
RT: 3.40 min Scan# 641
Delta R.T. -0.00 min
Lab File: VU039001.D
Acq: 22 Jun 2020 13:05

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.506

Tgt Ion: 73 Resp: 22626
Ion Ratio Lower Upper
73 100
43 21.6 16.7 25.1
57 22.4 18.8 28.2

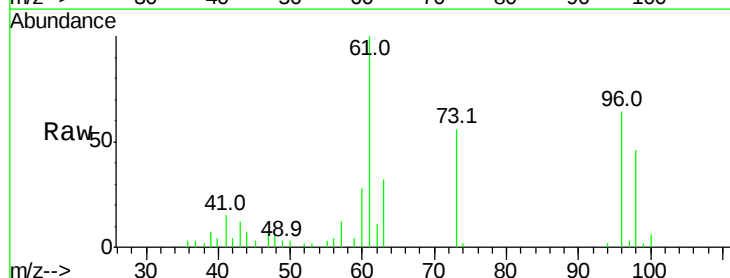


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

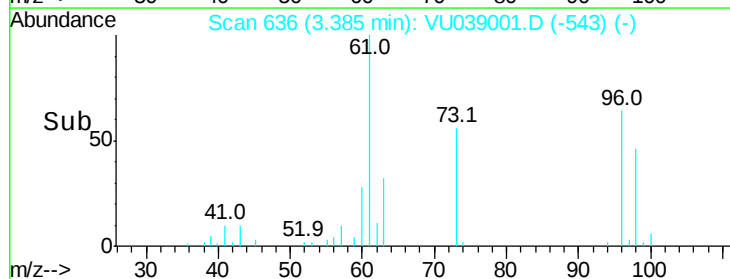
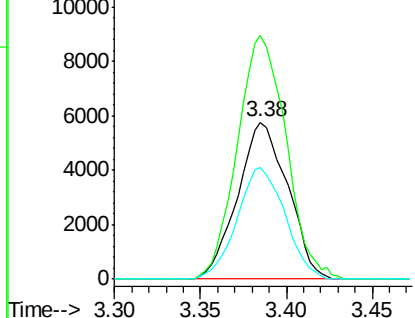


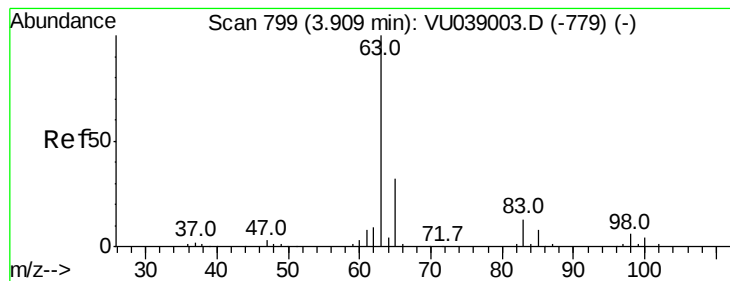
#18
trans-1,2-Dichloroethene
Concen: 0.511 ug/L
RT: 3.38 min Scan# 636
Delta R.T. -0.00 min
Lab File: VU039001.D
Acq: 22 Jun 2020 13:05

Tgt Ion: 96 Resp: 11651
Ion Ratio Lower Upper
96 100
61 155.4 102.6 190.6
98 70.9 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: 0.527 ug/L

RT: 3.91 min Scan# 799

Delta R.T. -0.00 min

Lab File: VU039001.D

Acq: 22 Jun 2020 13:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.506

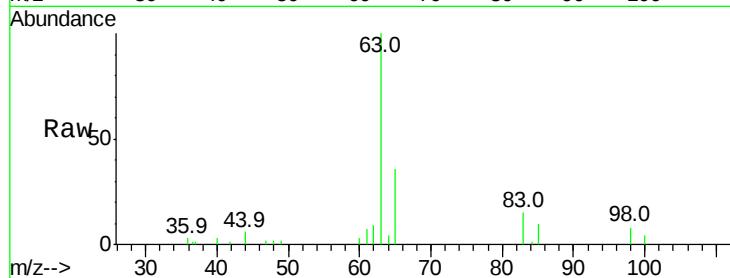
Tgt Ion: 63 Resp: 23210

Ion Ratio Lower Upper

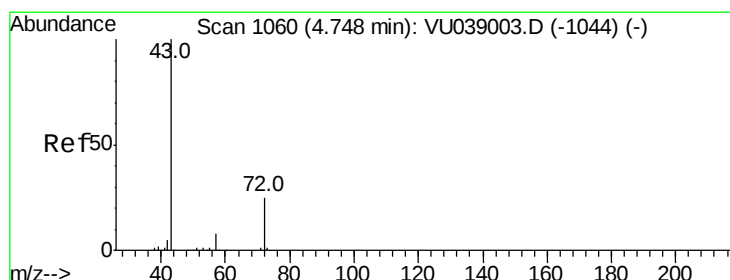
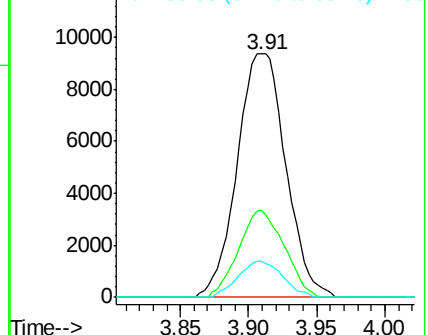
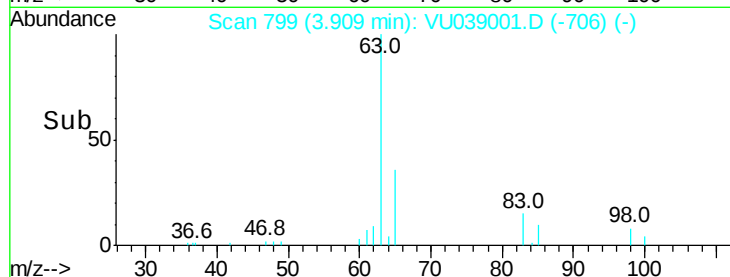
63 100

65 36.2 22.5 41.7

83 14.9 9.2 17.2



Abundance Ion 63.10 (62.80 to 63.80): VU039001.D (-706) (-)



#21

2-Butanone

Concen: 5.016 ug/L

RT: 4.75 min Scan# 1062

Delta R.T. 0.01 min

Lab File: VU039001.D

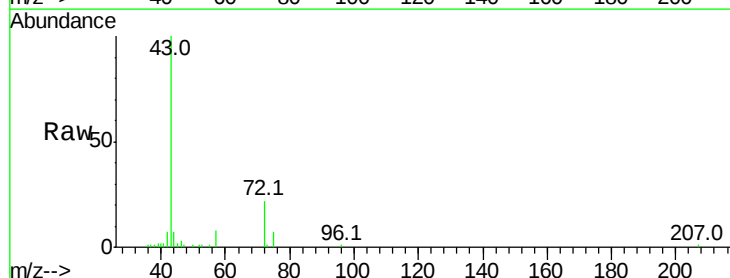
Acq: 22 Jun 2020 13:05

Tgt Ion: 43 Resp: 40367

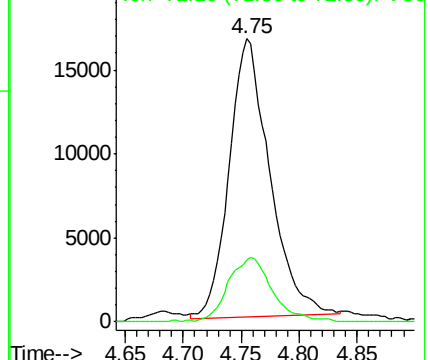
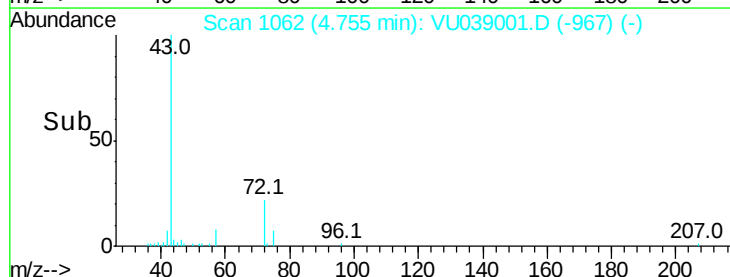
Ion Ratio Lower Upper

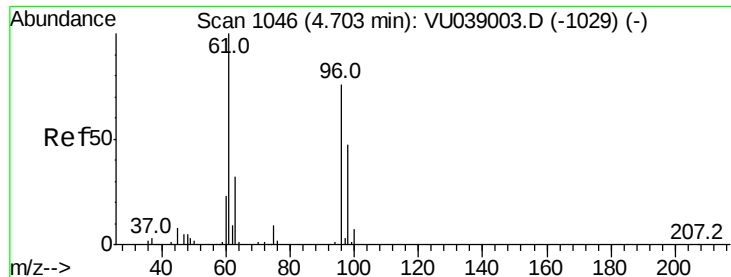
43 100

72 25.3 13.1 39.3



Abundance Ion 43.05 (42.75 to 43.75): VU039001.D (-967) (-)





#22

cis-1,2-Dichloroethene

Concen: 0.505 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU039001.D

Acq: 22 Jun 2020 13:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.506

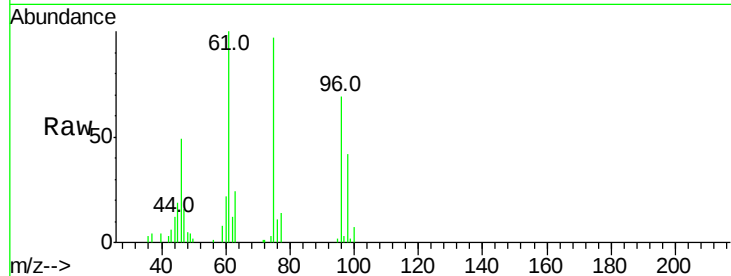
Tgt Ion: 96 Resp: 12212

Ion Ratio Lower Upper

96 100

61 145.6 92.0 170.8

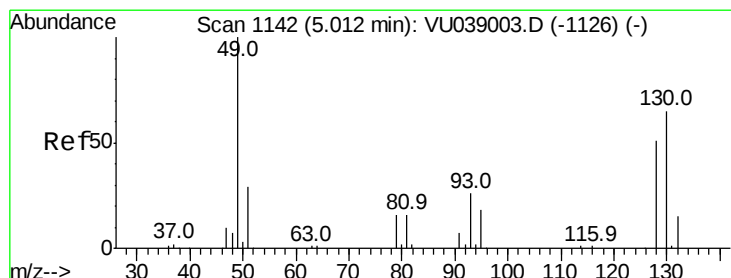
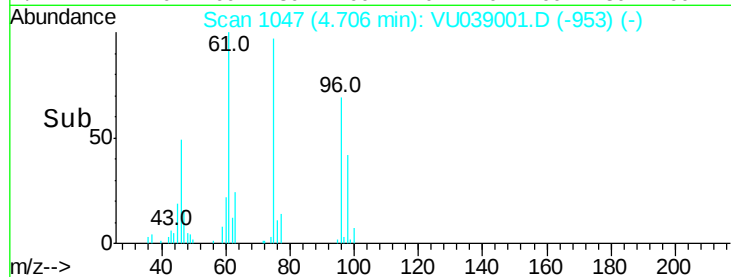
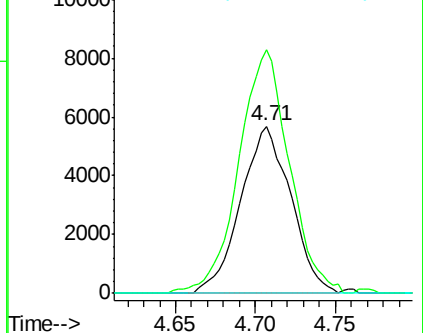
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 0.561 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU039001.D

Acq: 22 Jun 2020 13:05

Tgt Ion: 128 Resp: 6190

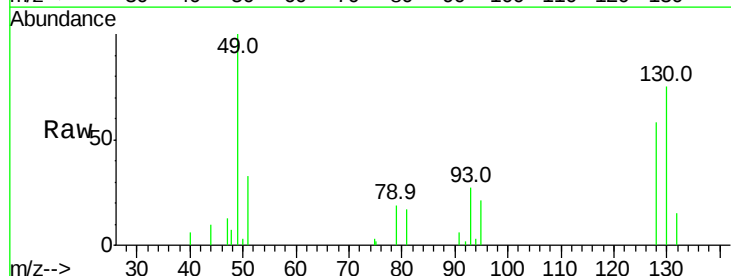
Ion Ratio Lower Upper

128 100

49 171.8 138.4 257.0

130 128.1 90.3 167.7

51 56.2 46.6 69.8

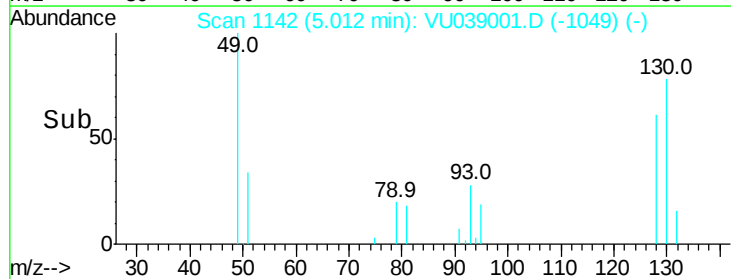
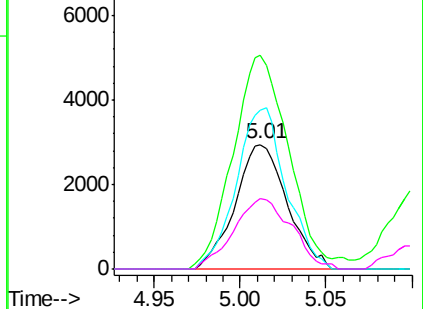


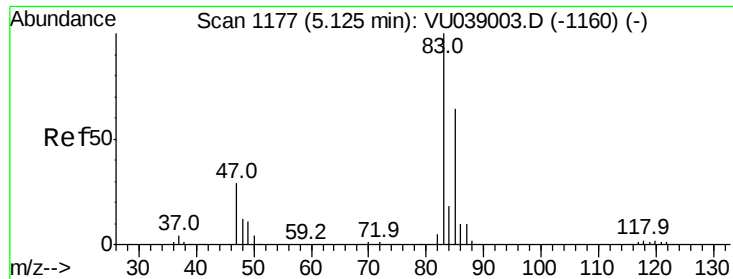
Abundance Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

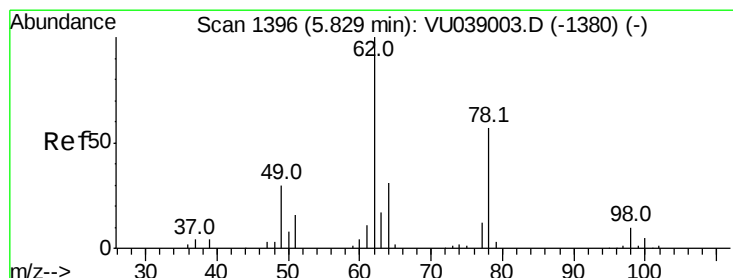
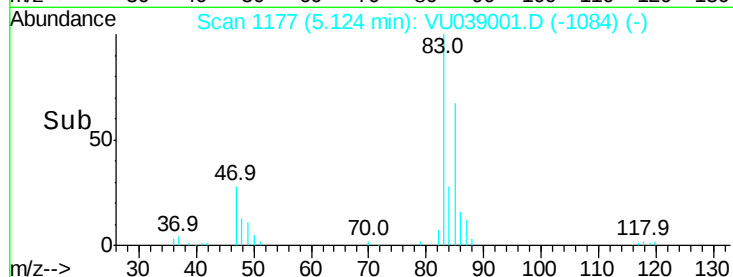
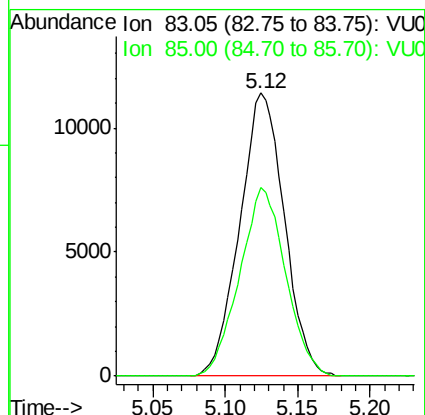
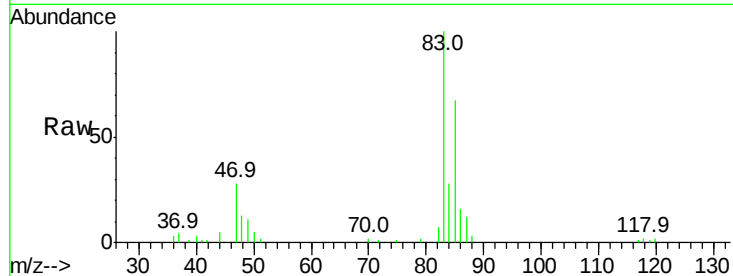




#25
Chloroform
Concen: 0.563 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VU039001.D
Acq: 22 Jun 2020 13:05

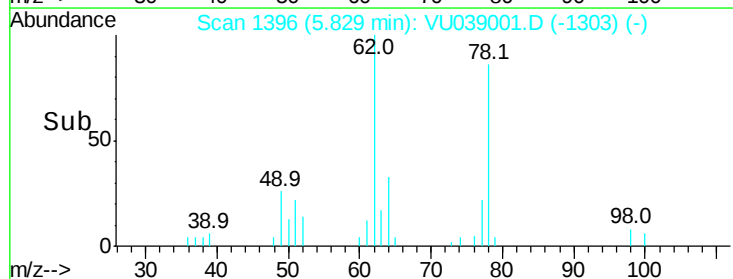
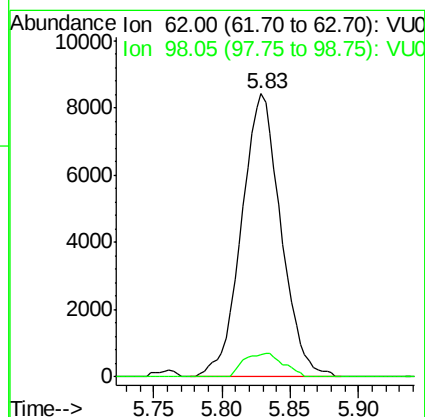
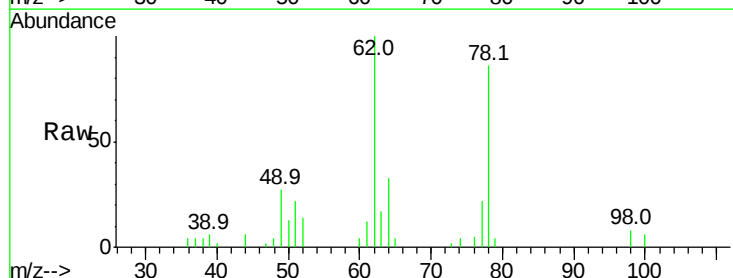
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.506

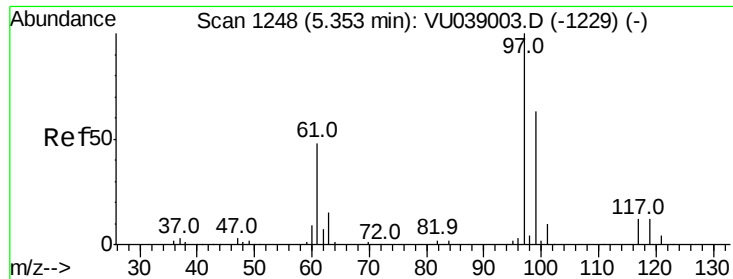
Tgt Ion: 83 Resp: 24424
Ion Ratio Lower Upper
83 100
85 66.6 44.9 83.5



#27
1,2-Dichloroethane
Concen: 0.540 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU039001.D
Acq: 22 Jun 2020 13:05

Tgt Ion: 62 Resp: 16882
Ion Ratio Lower Upper
62 100
98 7.7 7.8 11.8#

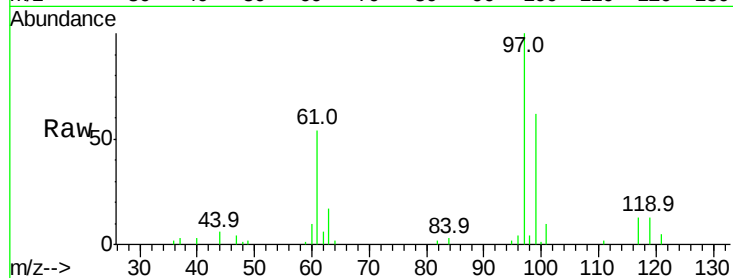




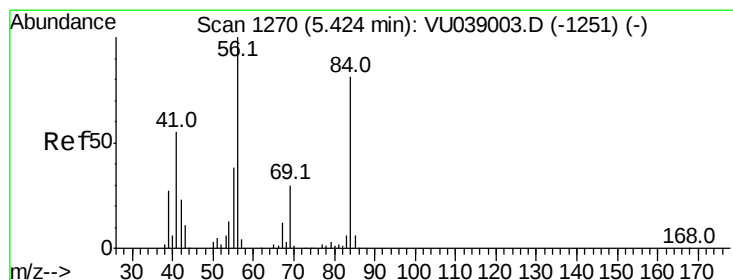
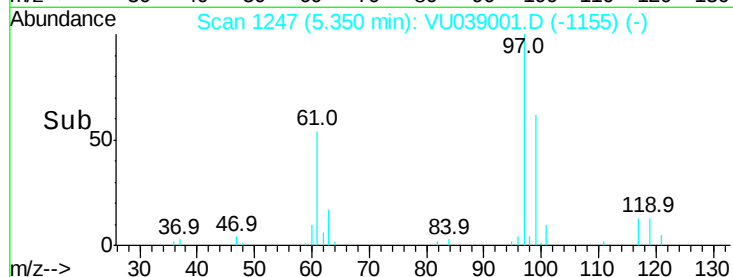
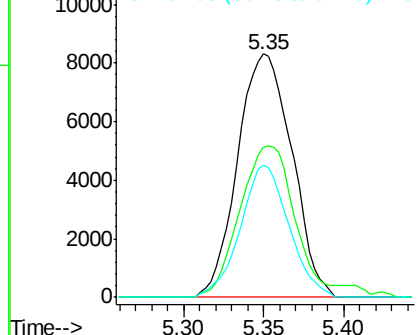
#29
1,1,1-Trichloroethane
Concen: 0.509 ug/L
RT: 5.35 min Scan# 1247
Delta R.T. -0.00 min
Lab File: VU039001.D
Acq: 22 Jun 2020 13:05

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.506

Tgt Ion: 97 Resp: 19325
Ion Ratio Lower Upper
97 100
99 65.2 51.7 77.5
61 48.6 38.2 57.4

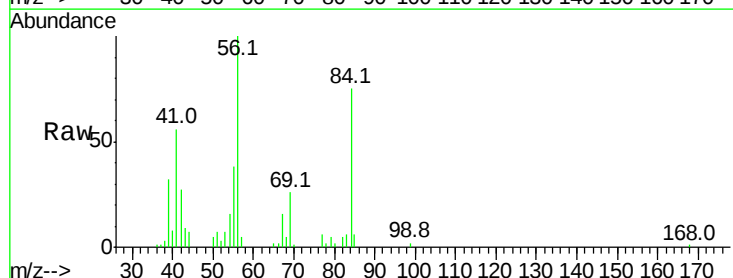


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

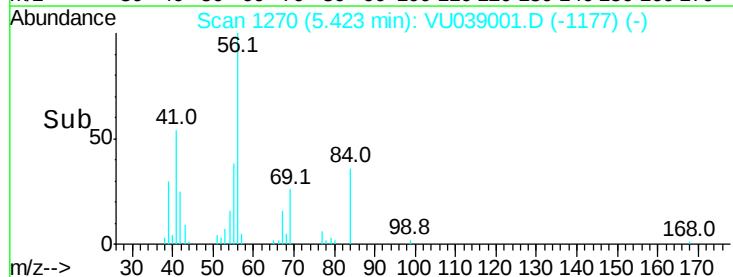
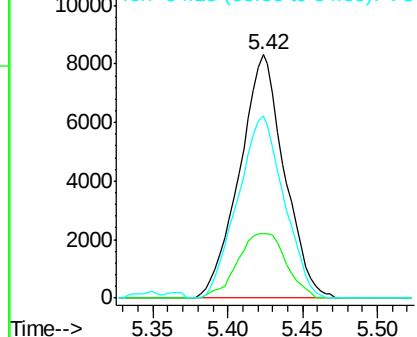


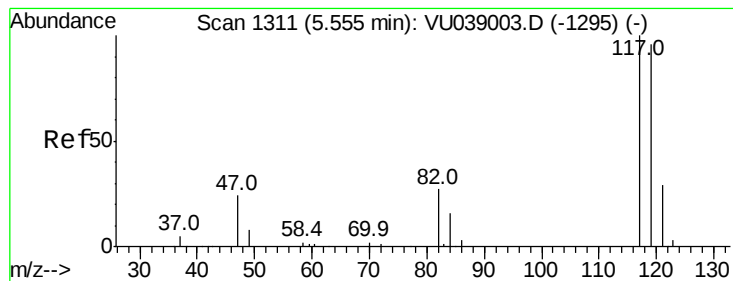
#30
Cyclohexane
Concen: 0.462 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU039001.D
Acq: 22 Jun 2020 13:05

Tgt Ion: 56 Resp: 17318
Ion Ratio Lower Upper
56 100
69 28.7 23.5 35.3
84 77.0 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: 0.515 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU039001.D

Acq: 22 Jun 2020 13:05

Instrument :

MSVOA_U

ClientSampleId :

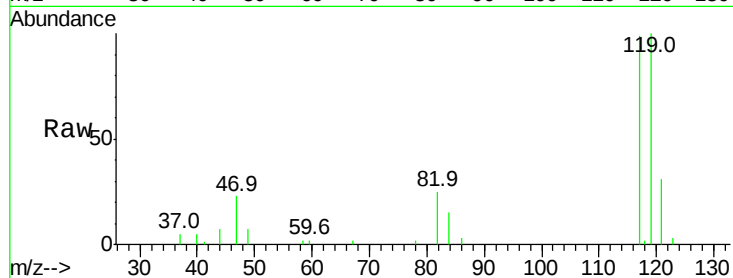
VSTD0.506

Tgt Ion:117 Resp: 16413

Ion Ratio Lower Upper

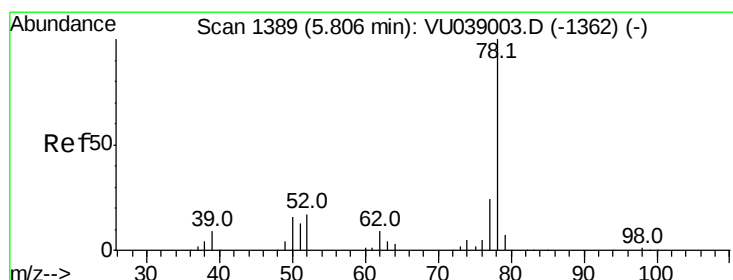
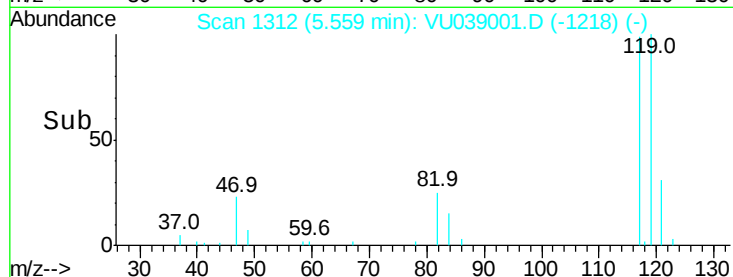
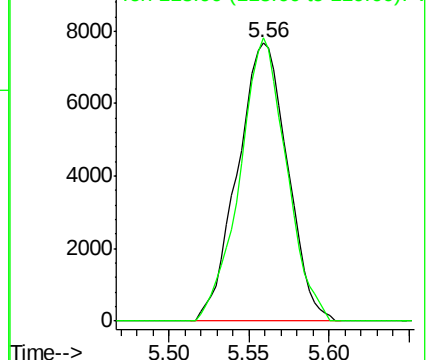
117 100

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: 0.499 ug/L

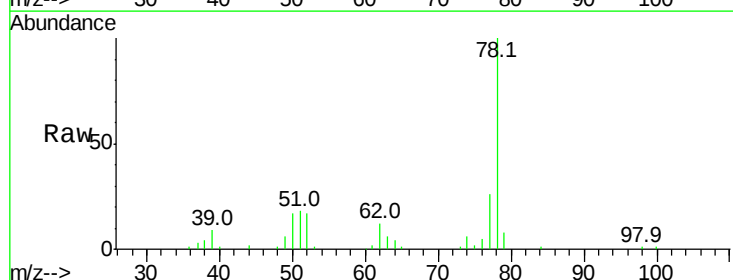
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

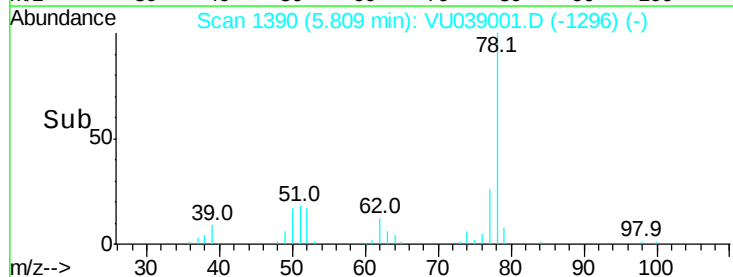
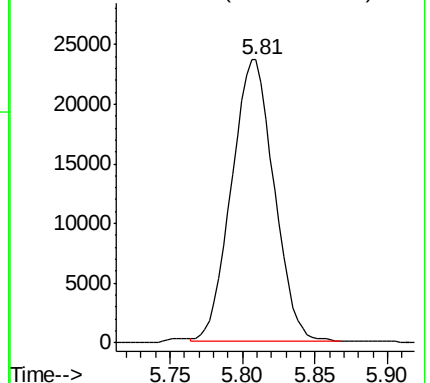
Lab File: VU039001.D

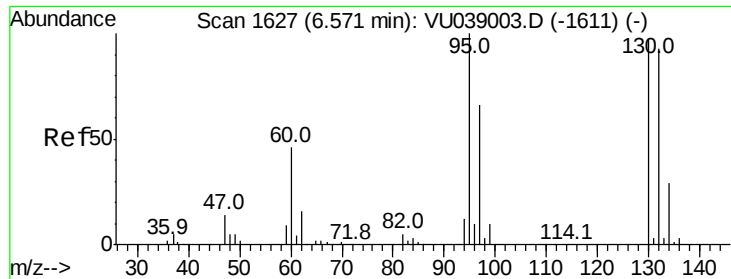
Acq: 22 Jun 2020 13:05

Tgt Ion: 78 Resp: 47852



Abundance Ion 78.10 (77.80 to 78.80): VU0

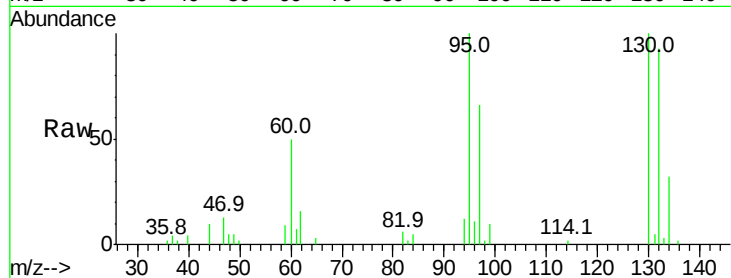




#34
 Trichloroethene
 Concen: 0.526 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VU039001.D
 Acq: 22 Jun 2020 13:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.506

Tgt Ion:	95	Resp:	12605
Ion	Ratio	Lower	Upper
95	100		
97	66.4	46.0	85.4
132	93.3	65.0	120.6
130	99.8	68.0	126.2

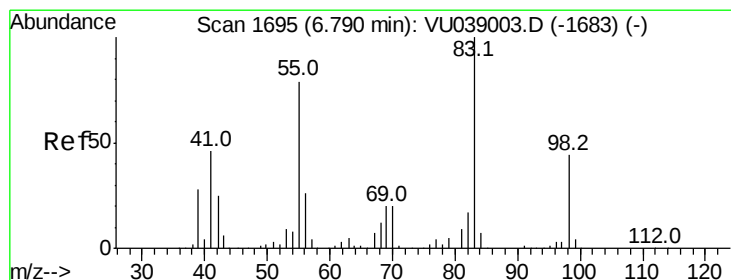
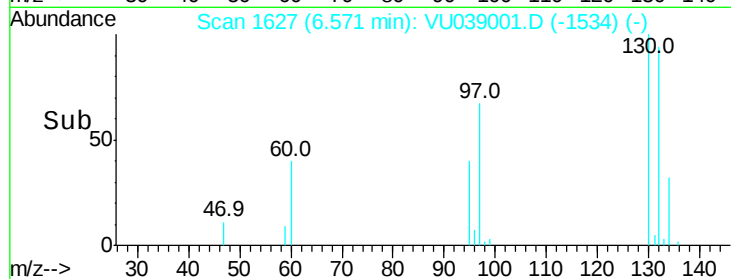
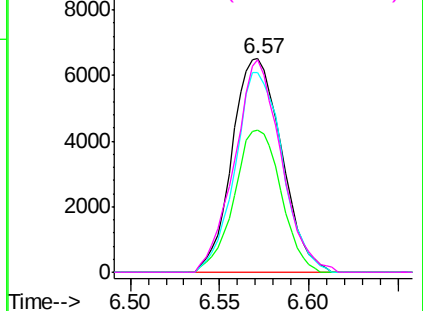


Abundance Ion 95.00 (94.70 to 95.70): VU039001.D (-1611) (-)

Ion 96.95 (96.65 to 97.65): VU039001.D (-1611) (-)

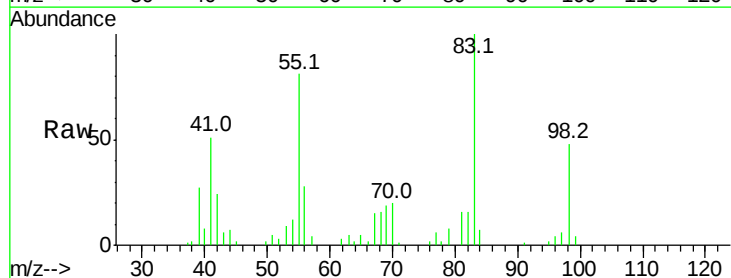
Ion 131.95 (131.65 to 132.65): VU039001.D (-1611) (-)

Ion 129.95 (129.65 to 130.65): VU039001.D (-1611) (-)



#35
 Methylcyclohexane
 Concen: 0.442 ug/L
 RT: 6.79 min Scan# 1695
 Delta R.T. -0.00 min
 Lab File: VU039001.D
 Acq: 22 Jun 2020 13:05

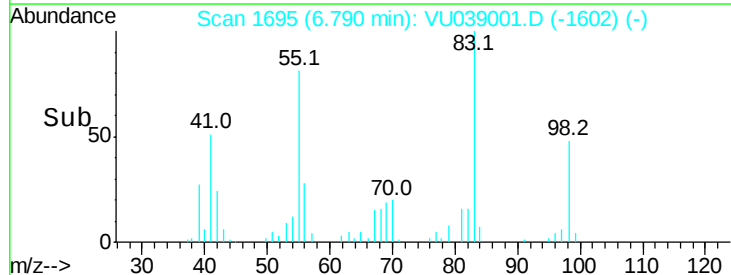
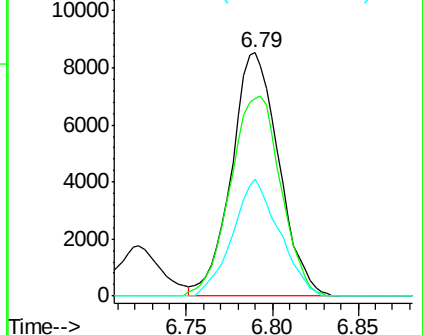
Tgt Ion:	83	Resp:	16313
Ion	Ratio	Lower	Upper
83	100		
55	87.4	65.1	97.7
98	47.2	37.0	55.4

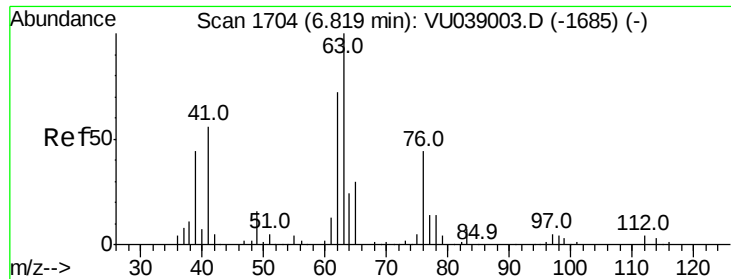


Abundance Ion 83.15 (82.85 to 83.85): VU039001.D (-1683) (-)

Ion 55.10 (54.80 to 55.80): VU039001.D (-1683) (-)

Ion 98.15 (97.85 to 98.85): VU039001.D (-1683) (-)

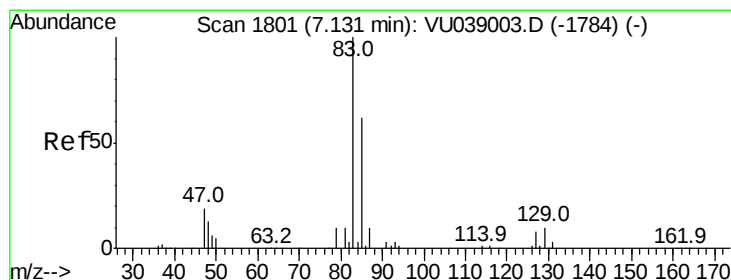
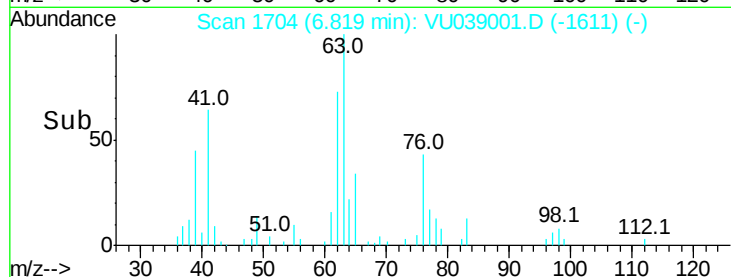
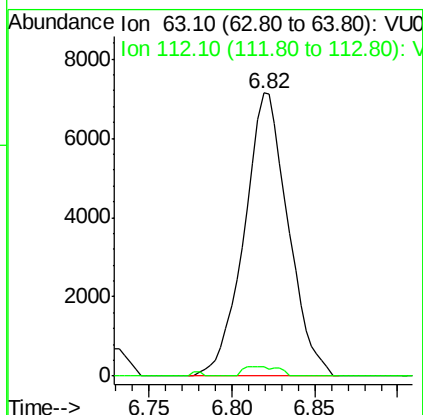
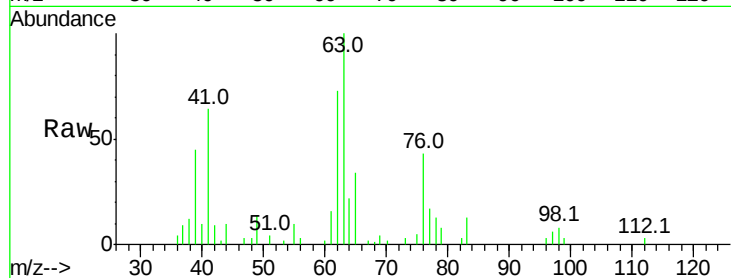




#37
 1,2-Dichloropropane
 Concen: 0.508 ug/L
 RT: 6.82 min Scan# 1704
 Delta R.T. -0.00 min
 Lab File: VU039001.D
 Acq: 22 Jun 2020 13:05

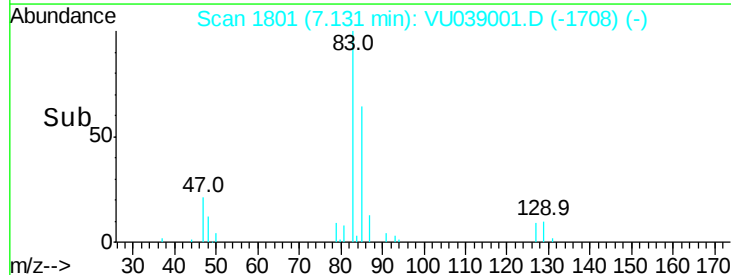
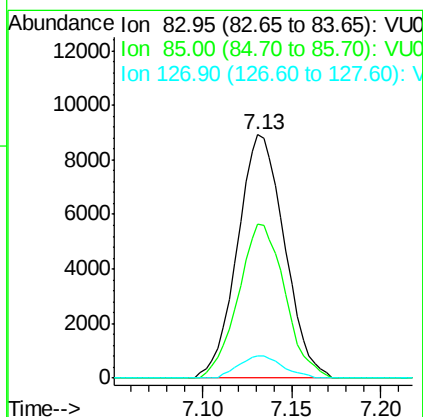
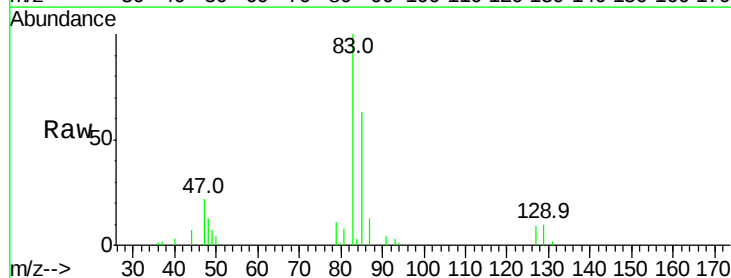
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.506

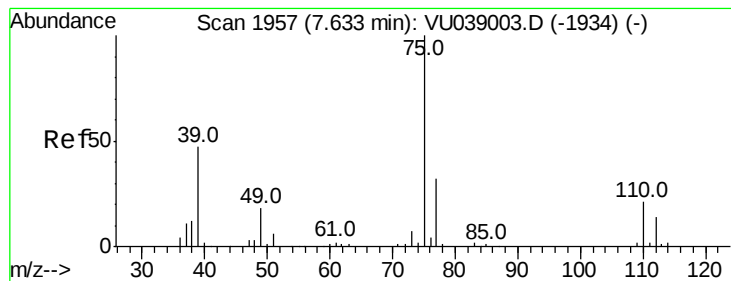
Tgt Ion: 63 Resp: 13136
 Ion Ratio Lower Upper
 63 100
 112 2.7 3.4 5.2#



#38
 Bromodichloromethane
 Concen: 0.486 ug/L
 RT: 7.13 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VU039001.D
 Acq: 22 Jun 2020 13:05

Tgt Ion: 83 Resp: 16353
 Ion Ratio Lower Upper
 83 100
 85 63.4 43.6 81.0
 127 9.2 6.1 9.1#



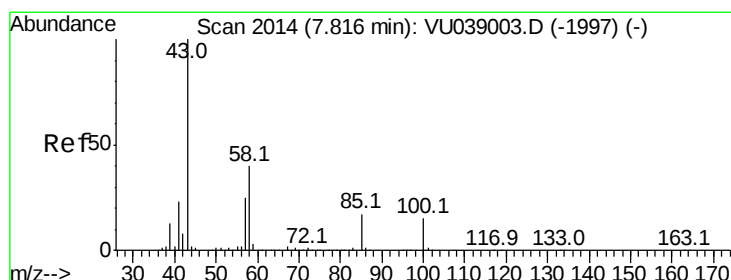
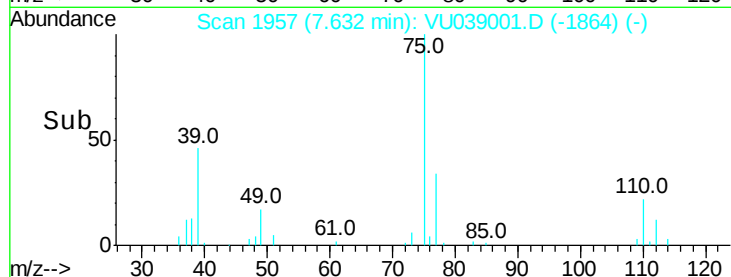
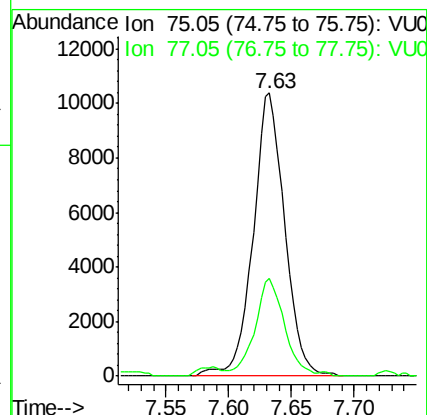
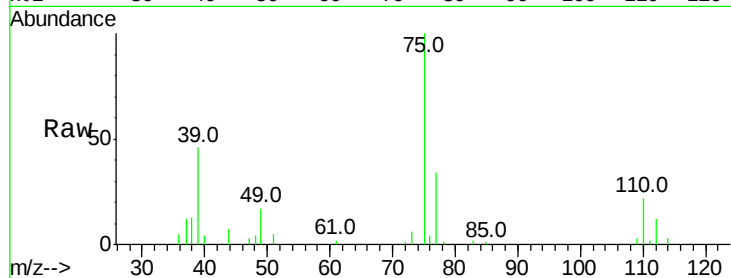


#39

cis-1,3-Dichloropropene
 Concen: 0.445 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. -0.00 min
 Lab File: VU039001.D
 Acq: 22 Jun 2020 13:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.506

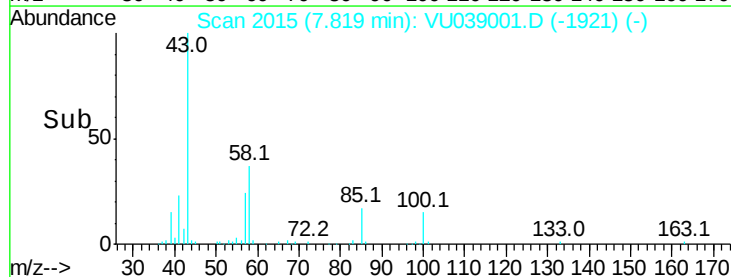
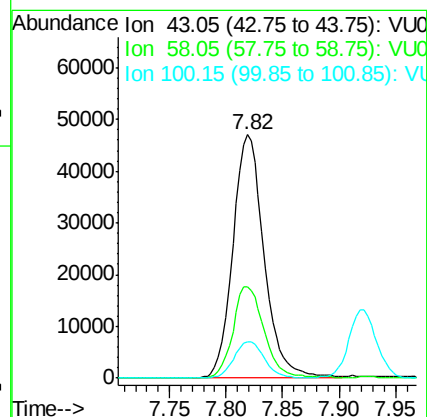
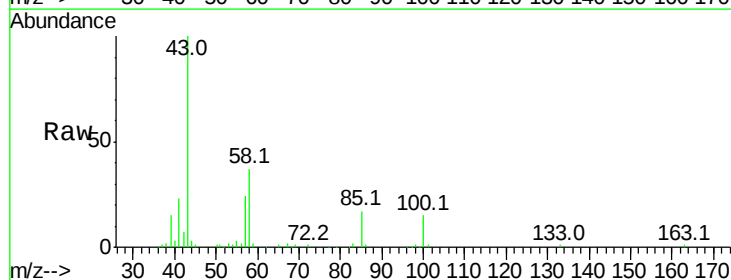
Tgt Ion: 75 Resp: 18185
 Ion Ratio Lower Upper
 75 100
 77 34.4 22.0 41.0

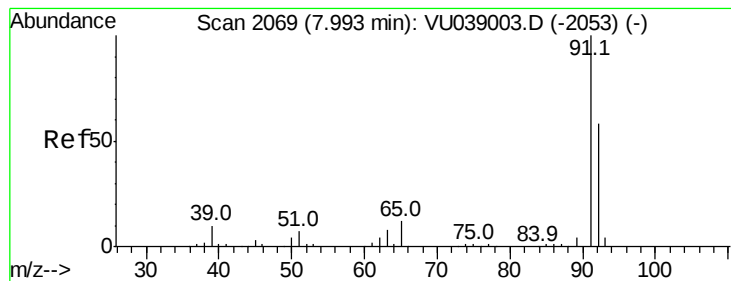


#40

4-Methyl-2-pentanone
 Concen: 4.127 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. 0.00 min
 Lab File: VU039001.D
 Acq: 22 Jun 2020 13:05

Tgt Ion: 43 Resp: 90474
 Ion Ratio Lower Upper
 43 100
 58 37.9 31.4 47.0
 100 14.6 11.6 17.4





#42

Toluene

Concen: 0.427 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU039001.D

Acq: 22 Jun 2020 13:05

Instrument :

MSVOA_U

ClientSampleId :

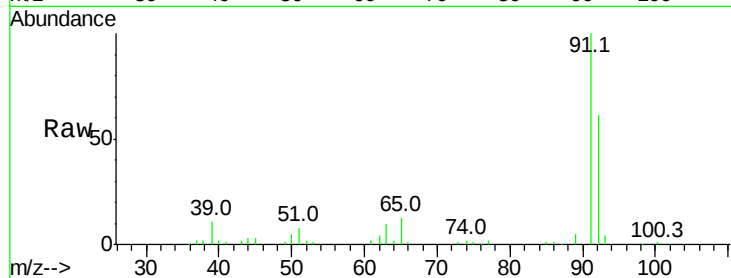
VSTD0.506

Tgt Ion: 91 Resp: 45778

Ion Ratio Lower Upper

91 100

92 60.6 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

30000

25000

20000

15000

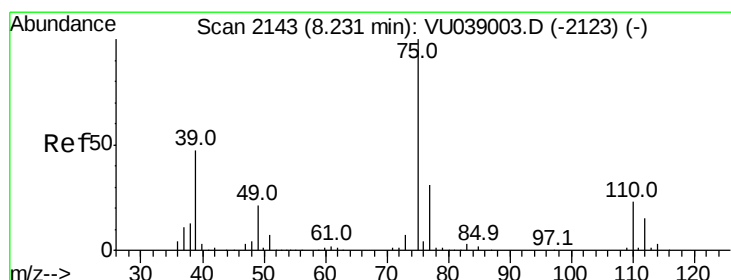
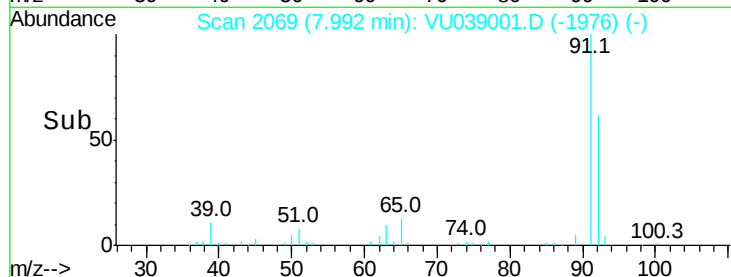
10000

5000

0

7.95 8.00 8.05

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.430 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU039001.D

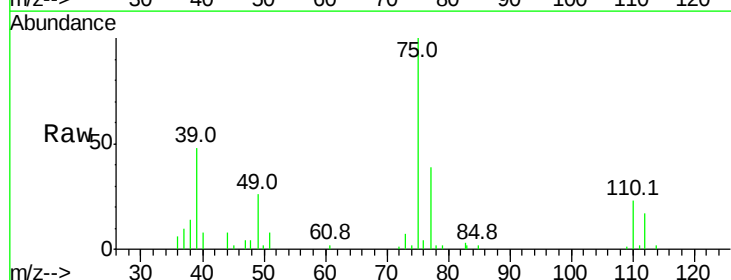
Acq: 22 Jun 2020 13:05

Tgt Ion: 75 Resp: 15392

Ion Ratio Lower Upper

75 100

77 38.8 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

10000

8000

6000

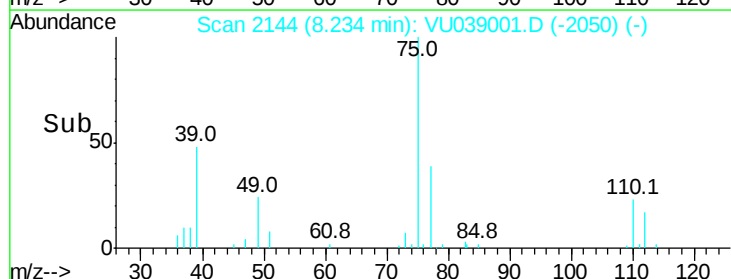
4000

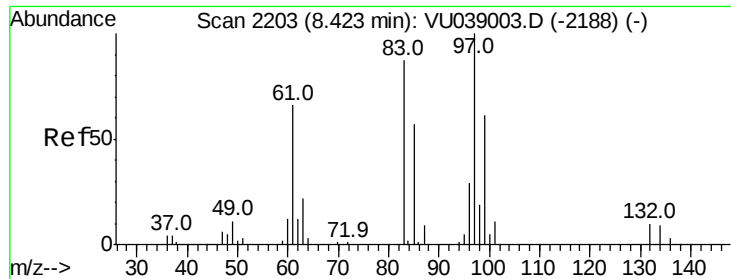
2000

0

8.15 8.20 8.25 8.30

Time-->

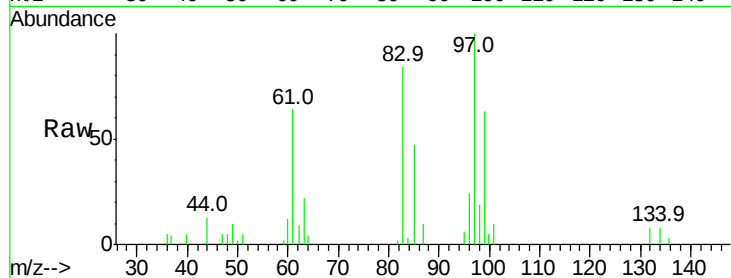




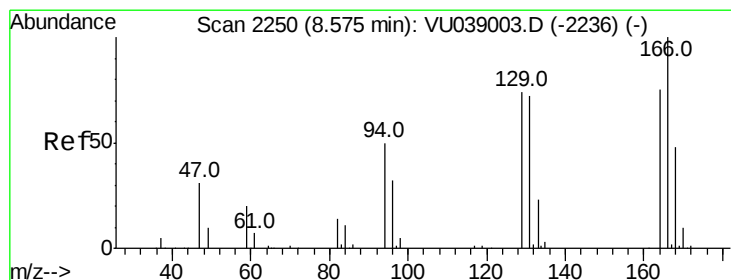
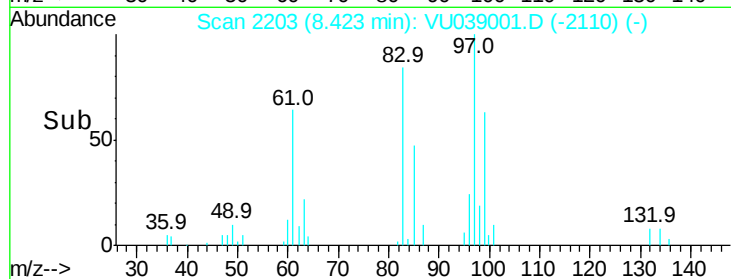
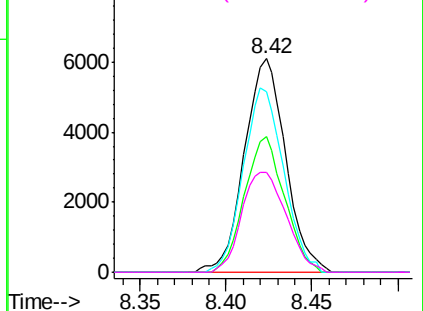
#45
 1,1,2-Trichloroethane
 Concen: 0.498 ug/L
 RT: 8.42 min Scan# 2203
 Delta R.T. -0.00 min
 Lab File: VU039001.D
 Acq: 22 Jun 2020 13:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.506

Tgt Ion:	97	Resp:	10175
Ion	Ratio	Lower	Upper
97	100		
99	63.3	42.8	79.4
83	84.3	60.9	113.1
85	46.6	40.2	74.6

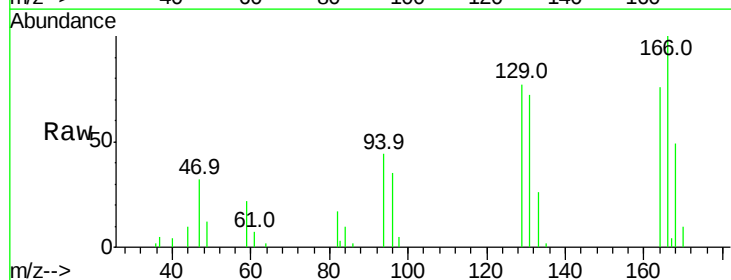


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

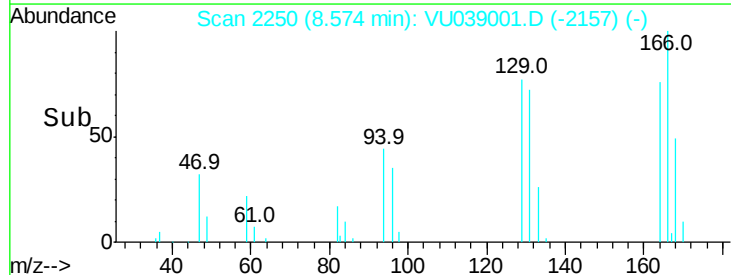
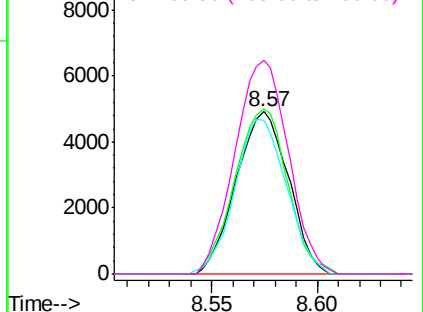


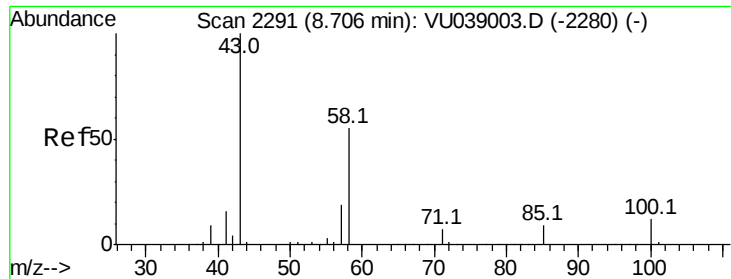
#47
 Tetrachloroethene
 Concen: 0.465 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. -0.00 min
 Lab File: VU039001.D
 Acq: 22 Jun 2020 13:05

Tgt Ion:	164	Resp:	8478
Ion	Ratio	Lower	Upper
164	100		
129	101.8	69.2	128.6
131	94.5	66.9	124.3
166	131.8	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

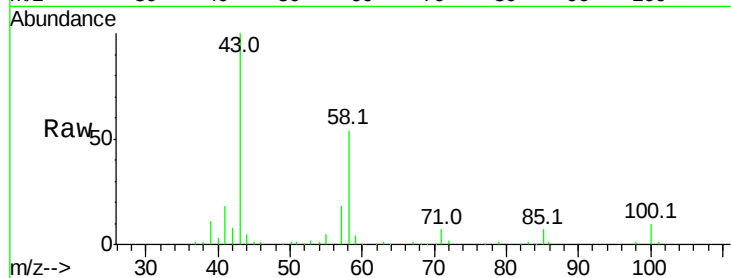




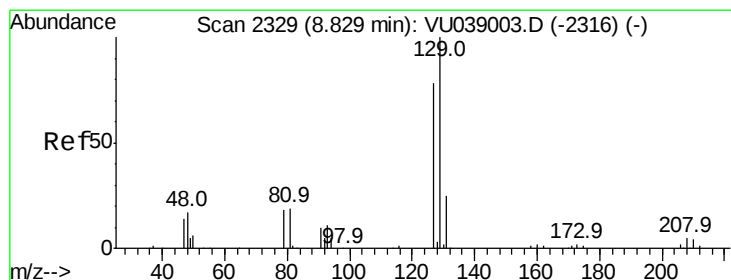
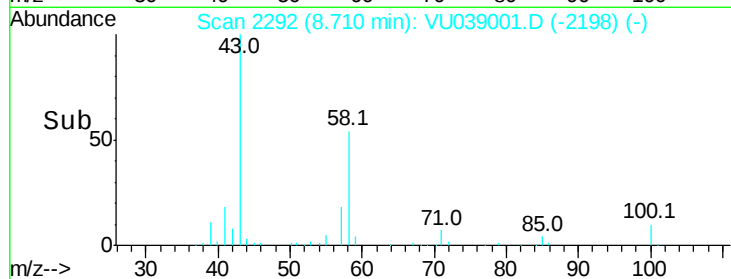
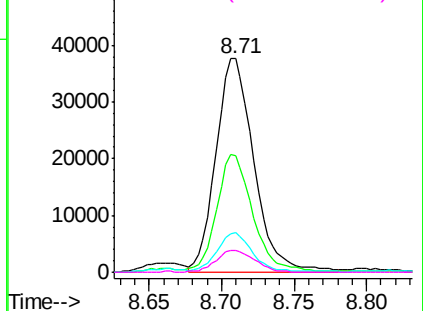
#48
2-Hexanone
Concen: 4.651 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU039001.D
Acq: 22 Jun 2020 13:05

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.506

Tgt Ion: 43 Resp: 68303
Ion Ratio Lower Upper
43 100
58 50.9 43.5 65.3
57 16.7 15.0 22.4
100 10.5 9.4 14.2

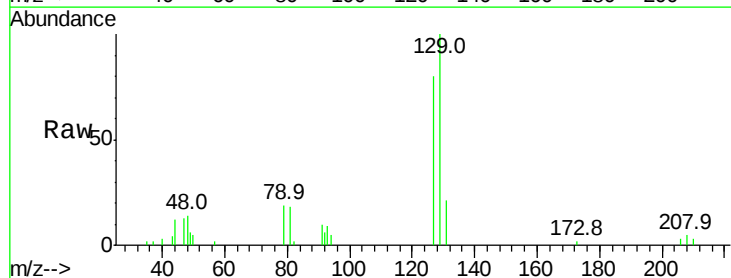


Abundance Ion 43.05 (42.75 to 43.75): VU039001.D (-2280) (-)
Ion 58.05 (57.75 to 58.75): VU039001.D (-2280) (-)
Ion 57.20 (56.90 to 57.90): VU039001.D (-2280) (-)
Ion 100.15 (99.85 to 100.85): VU039001.D (-2280) (-)

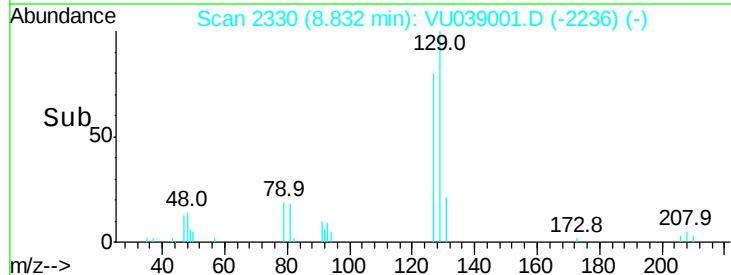
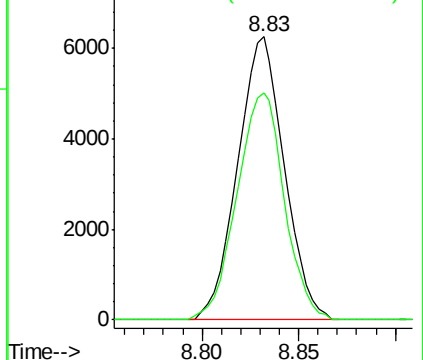


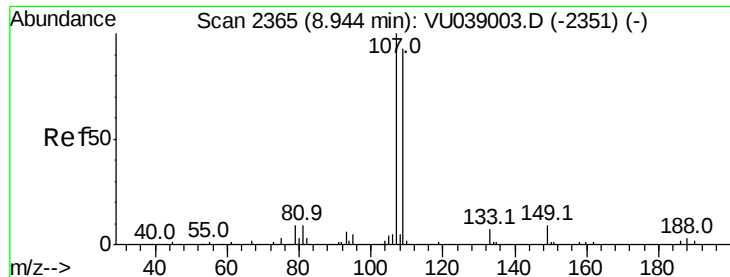
#49
Dibromochloromethane
Concen: 0.476 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU039001.D
Acq: 22 Jun 2020 13:05

Tgt Ion: 129 Resp: 10502
Ion Ratio Lower Upper
129 100
127 80.3 54.7 101.5



Abundance Ion 128.95 (128.65 to 129.65): VU039001.D (-2330) (-)
Ion 126.90 (126.60 to 127.60): VU039001.D (-2330) (-)

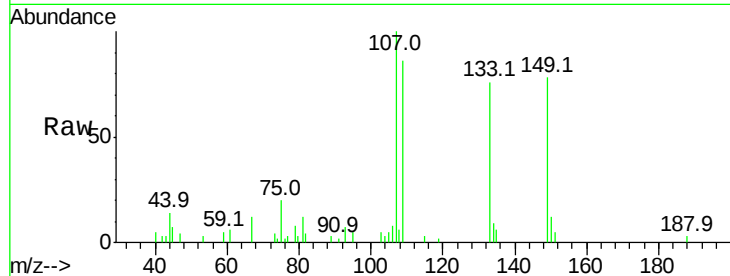




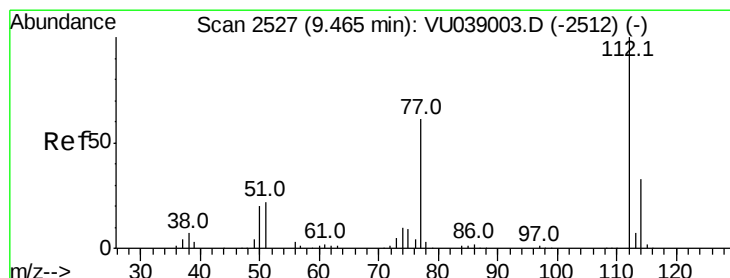
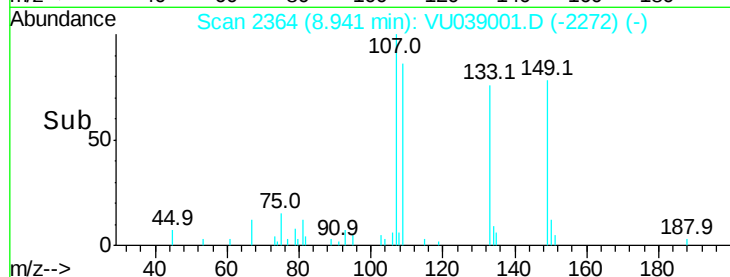
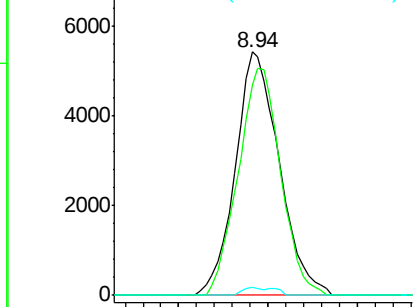
#50
1,2-Dibromoethane
Concen: 0.490 ug/L
RT: 8.94 min Scan# 2364
Delta R.T. -0.00 min
Lab File: VU039001.D
Acq: 22 Jun 2020 13:05

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.506

Tgt Ion:107 Resp: 9281
Ion Ratio Lower Upper
107 100
109 86.4 65.0 120.6
188 3.3 2.2 3.2#

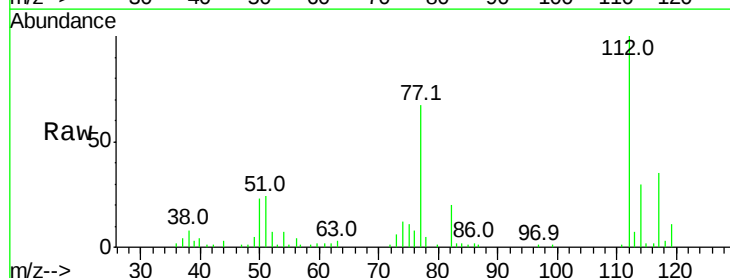


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

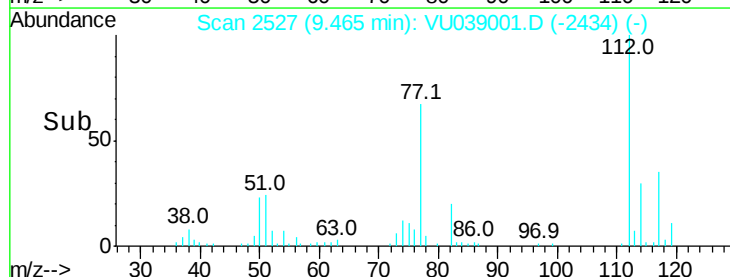
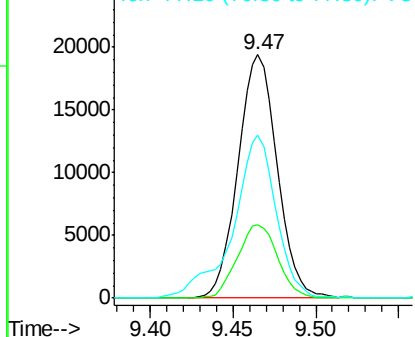


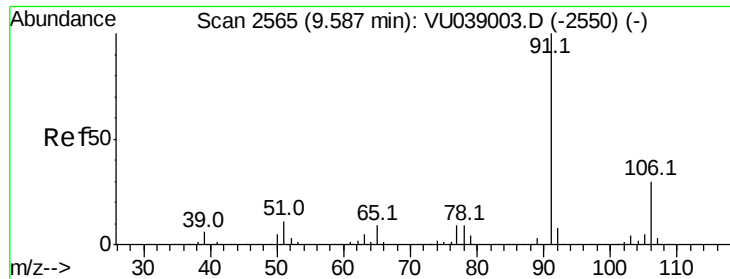
#51
Chlorobenzene
Concen: 0.512 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. -0.00 min
Lab File: VU039001.D
Acq: 22 Jun 2020 13:05

Tgt Ion:112 Resp: 31948
Ion Ratio Lower Upper
112 100
114 30.3 23.0 42.8
77 66.7 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: 0.460 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU039001.D

Acq: 22 Jun 2020 13:05

Instrument :

MSVOA_U

ClientSampleId :

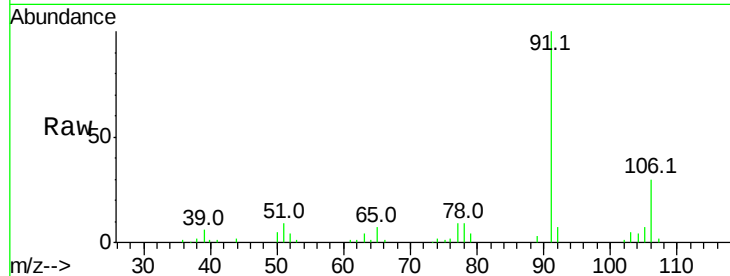
VSTD0.506

Tgt Ion: 91 Resp: 49394

Ion Ratio Lower Upper

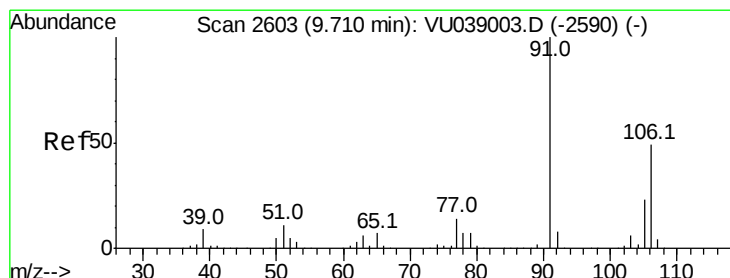
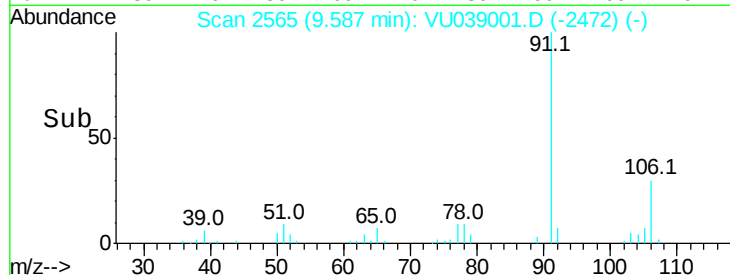
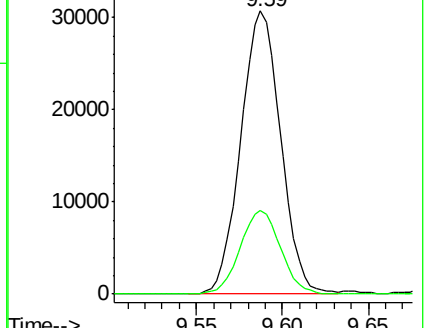
91 100

106 29.7 21.1 39.3



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

Ion 106.15 (105.85 to 106.85): VU039003.D (-2550) (-)



#53

m,p-Xylene

Concen: 0.433 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VU039001.D

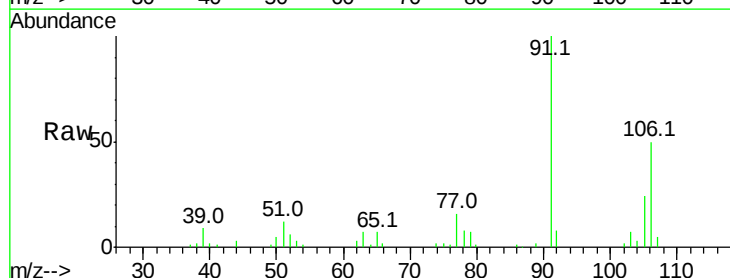
Acq: 22 Jun 2020 13:05

Tgt Ion: 106 Resp: 17491

Ion Ratio Lower Upper

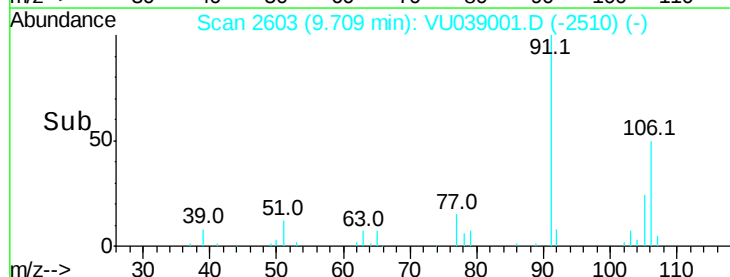
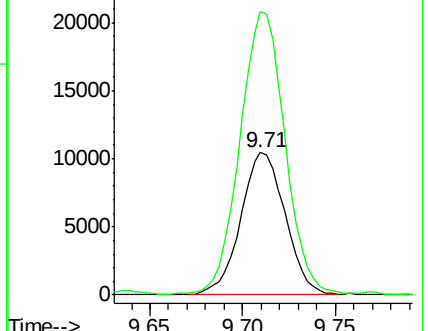
106 100

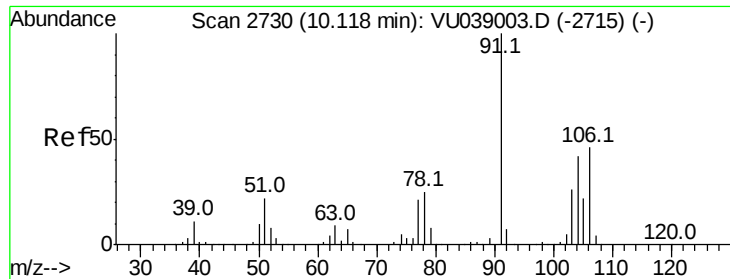
91 199.0 144.4 268.2



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

Ion 91.15 (90.85 to 91.85): VU039003.D (-2590) (-)

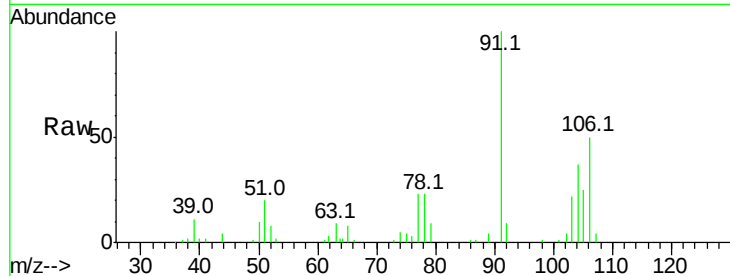




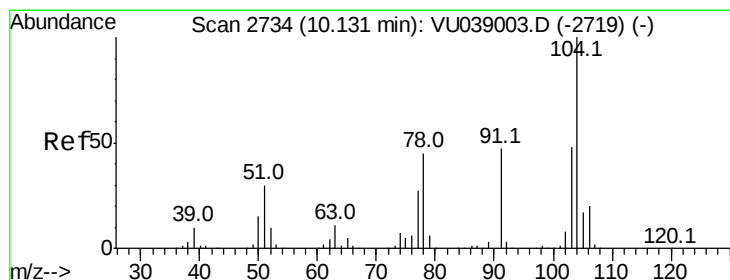
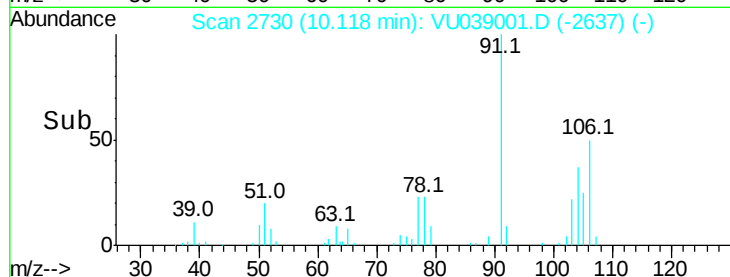
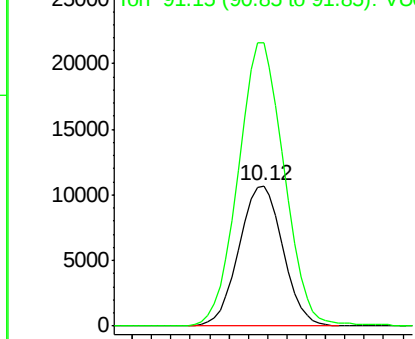
#54
o-Xylene
Concen: 0.430 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. -0.00 min
Lab File: VU039001.D
Acq: 22 Jun 2020 13:05

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.506

Tgt Ion:106 Resp: 16858
Ion Ratio Lower Upper
106 100
91 201.6 153.3 284.7

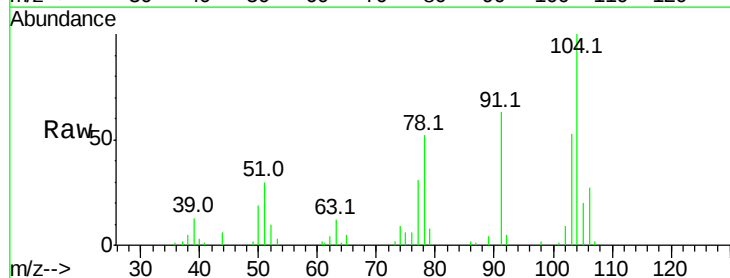


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

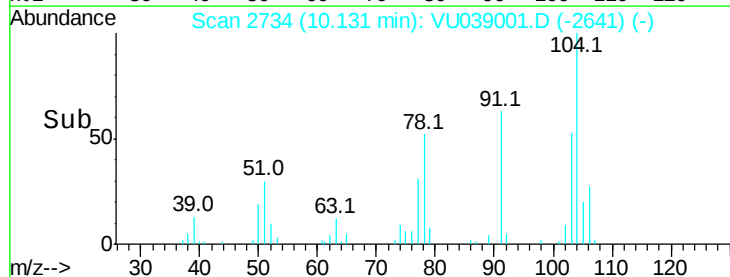
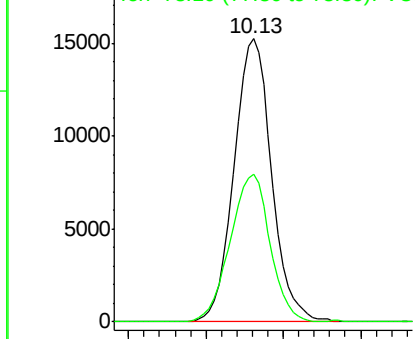


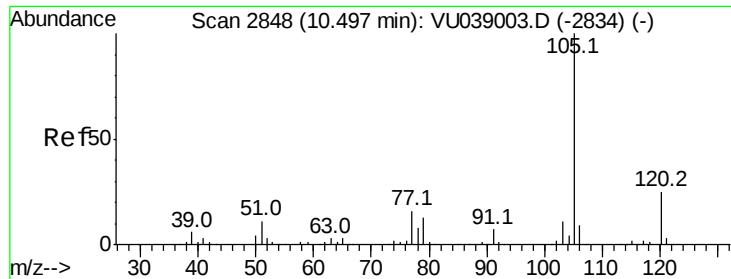
#55
Styrene
Concen: 0.381 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VU039001.D
Acq: 22 Jun 2020 13:05

Tgt Ion:104 Resp: 25639
Ion Ratio Lower Upper
104 100
78 52.0 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: 0.434 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU039001.D

Acq: 22 Jun 2020 13:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.506

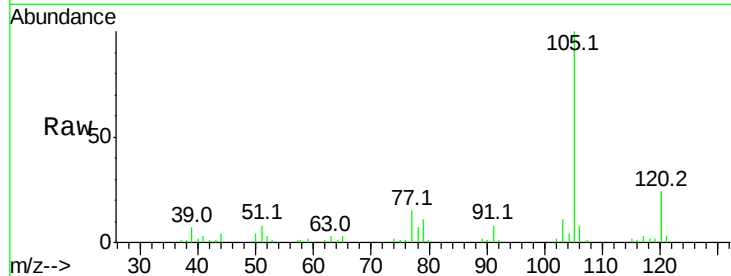
Tgt Ion: 105 Resp: 44160

Ion Ratio Lower Upper

105 100

120 24.3 20.1 30.1

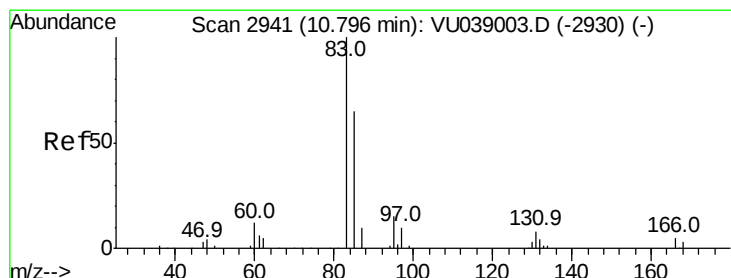
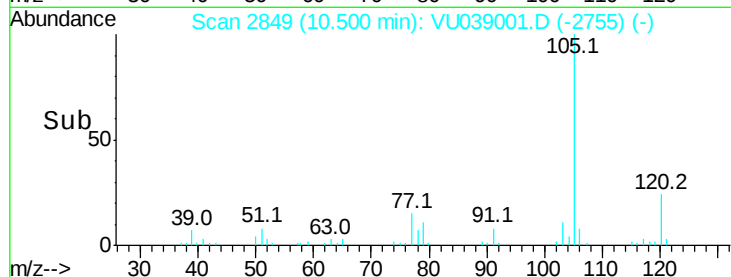
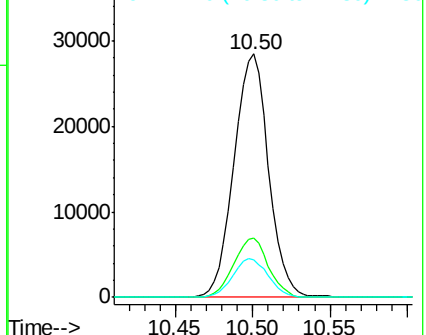
77 16.4 13.0 19.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 0.522 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. -0.00 min

Lab File: VU039001.D

Acq: 22 Jun 2020 13:05

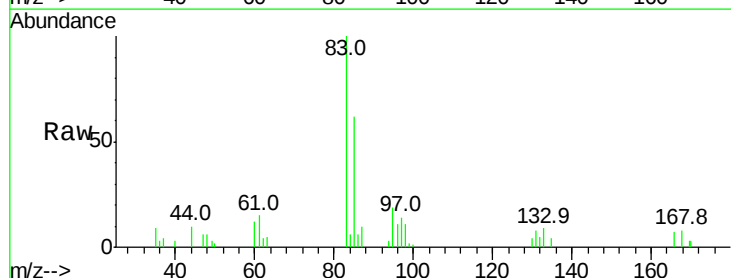
Tgt Ion: 83 Resp: 13095

Ion Ratio Lower Upper

83 100

85 62.4 45.2 84.0

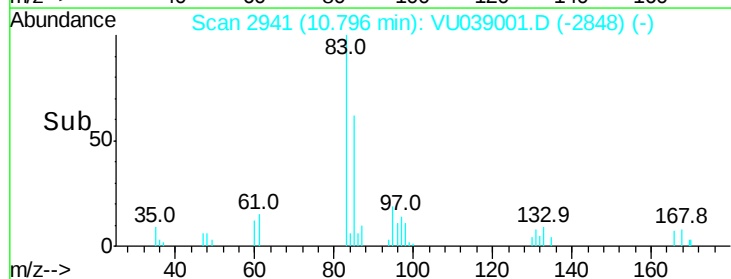
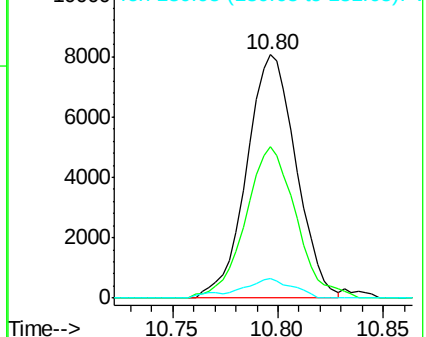
131 8.0 7.6 11.4

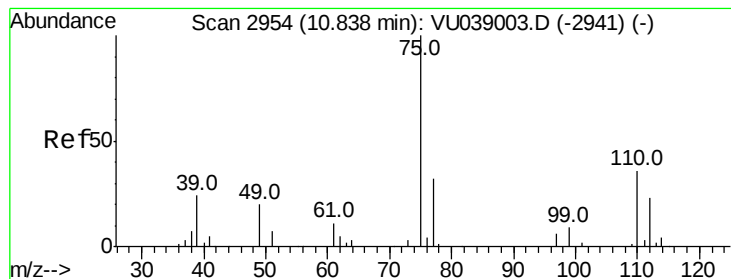


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.528 ug/L

RT: 10.84 min Scan# 2954

Delta R.T. -0.00 min

Lab File: VU039001.D

Acq: 22 Jun 2020 13:05

Instrument :

MSVOA_U

ClientSampleId :

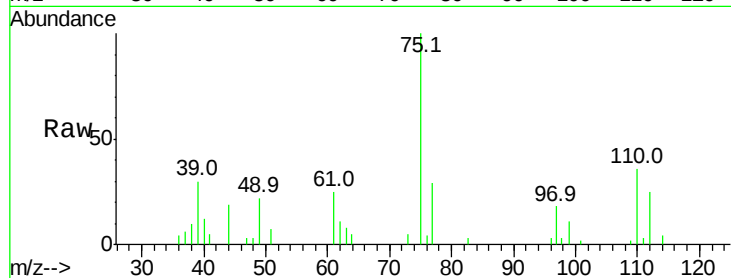
VSTD0.506

Tgt Ion: 75 Resp: 9827

Ion Ratio Lower Upper

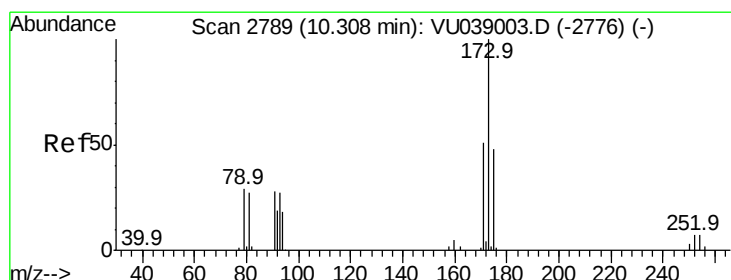
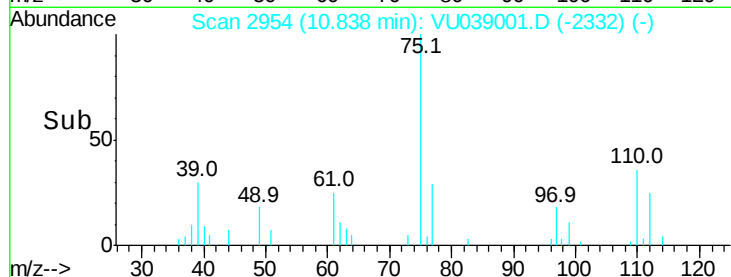
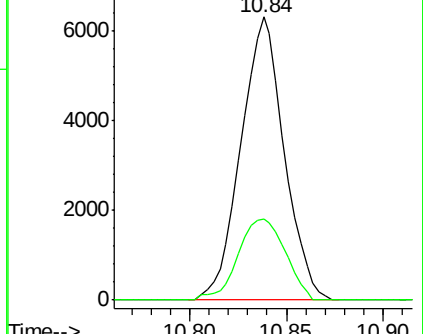
75 100

77 31.1 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) (-)



#61

Bromoform

Concen: 0.487 ug/L

RT: 10.31 min Scan# 2789

Delta R.T. -0.00 min

Lab File: VU039001.D

Acq: 22 Jun 2020 13:05

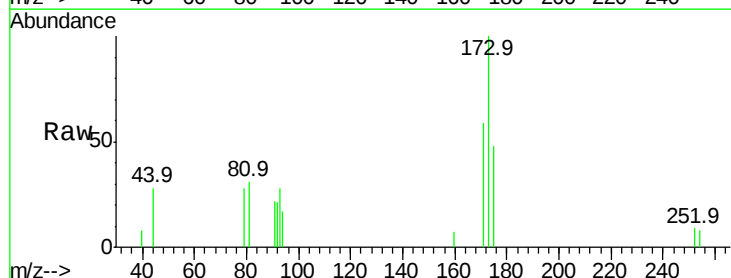
Tgt Ion: 173 Resp: 5581

Ion Ratio Lower Upper

173 100

175 49.5 38.1 57.1

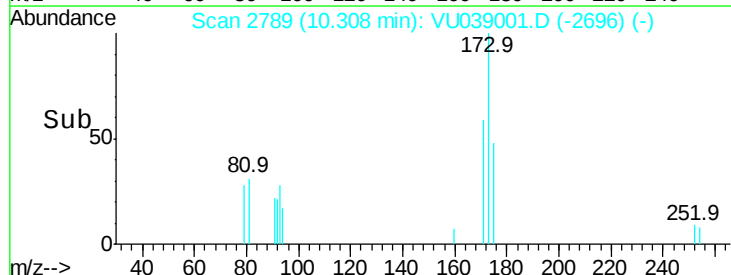
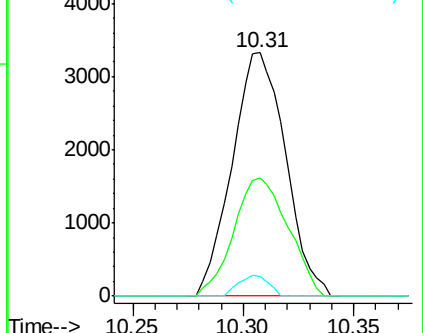
254 4.7 4.8 7.2#

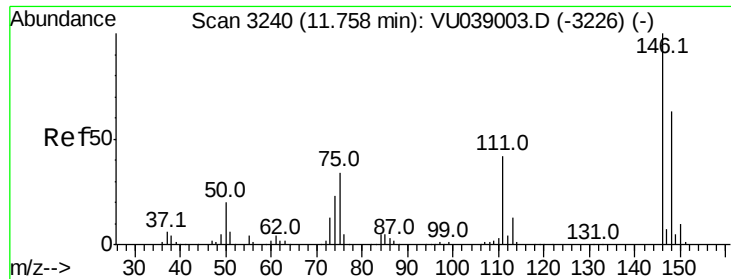


Abundance Ion 172.90 (172.60 to 173.60): VU039003.D (-2776) (-)

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

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

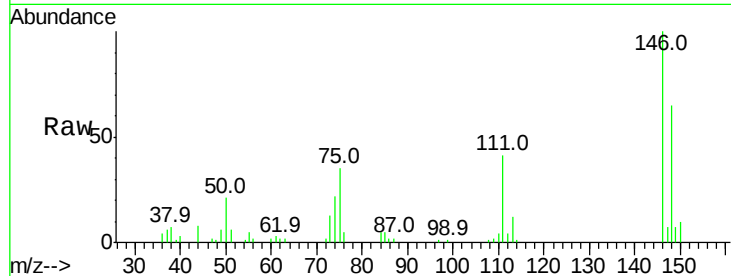




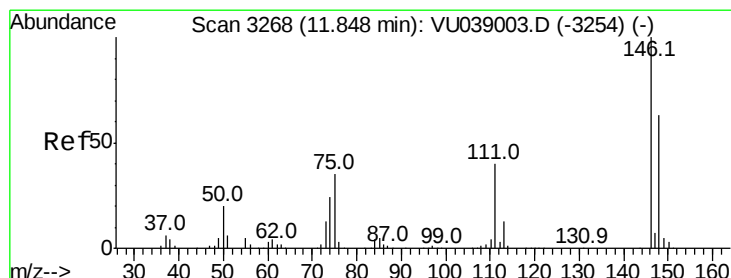
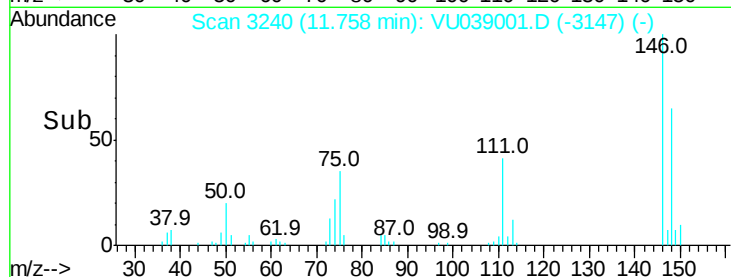
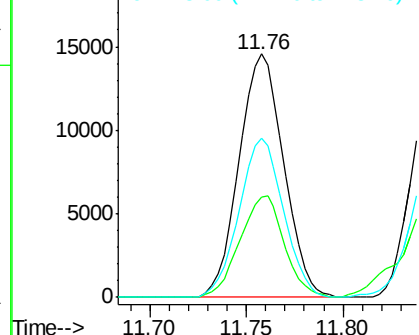
#62
 1,3-Dichlorobenzene
 Concen: 0.510 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. -0.00 min
 Lab File: VU039001.D
 Acq: 22 Jun 2020 13:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.506

Tgt Ion:146 Resp: 23343
 Ion Ratio Lower Upper
 146 100
 111 41.2 29.3 54.5
 148 65.1 43.8 81.3

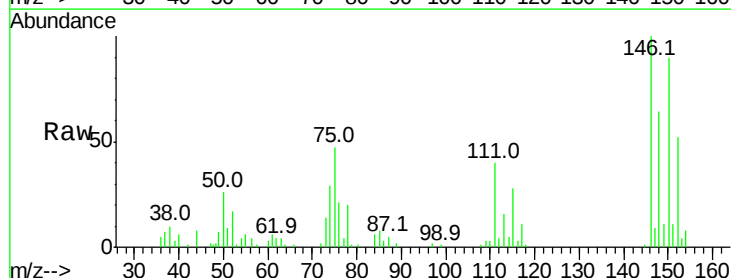


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

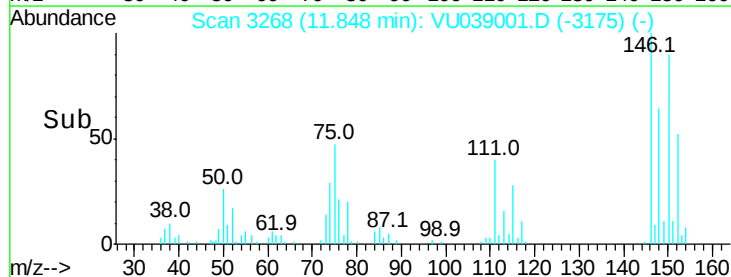
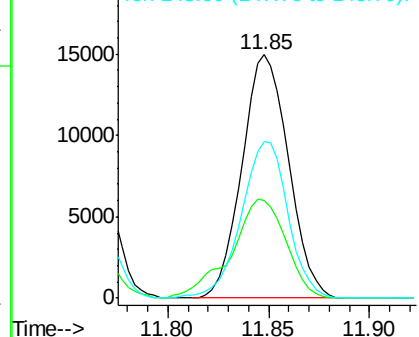


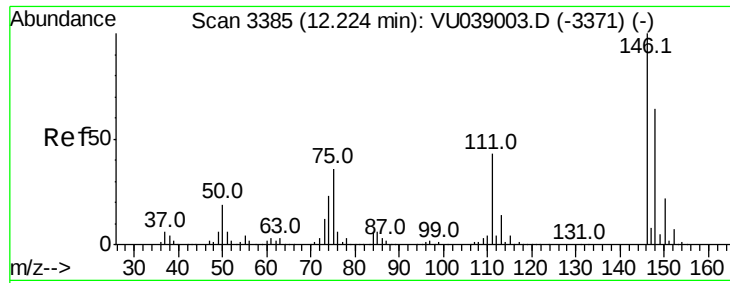
#63
 1,4-Dichlorobenzene
 Concen: 0.514 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. -0.00 min
 Lab File: VU039001.D
 Acq: 22 Jun 2020 13:05

Tgt Ion:146 Resp: 24198
 Ion Ratio Lower Upper
 146 100
 111 40.1 27.9 51.7
 148 64.2 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

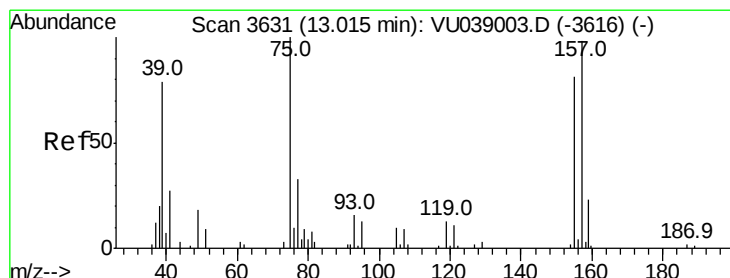
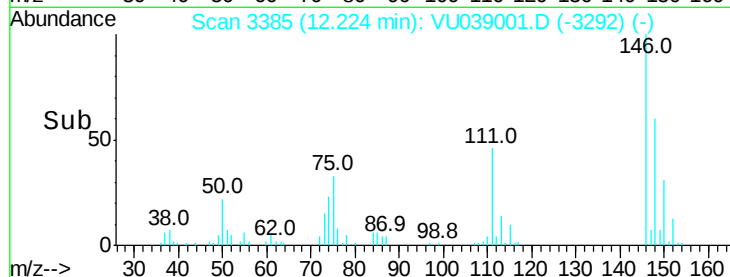
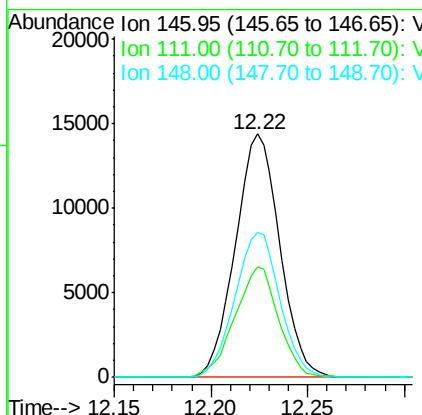
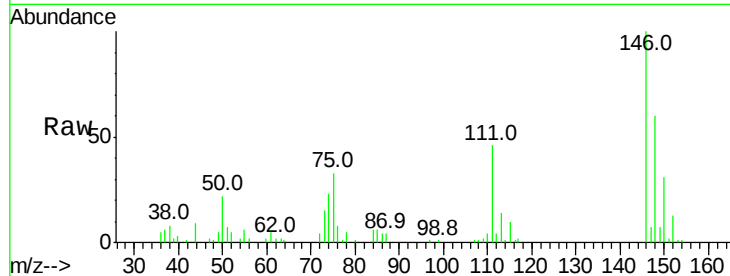




#65
 1,2-Dichlorobenzene
 Concen: 0.522 ug/L
 RT: 12.22 min Scan# 3385
 Delta R.T. -0.00 min
 Lab File: VU039001.D
 Acq: 22 Jun 2020 13:05

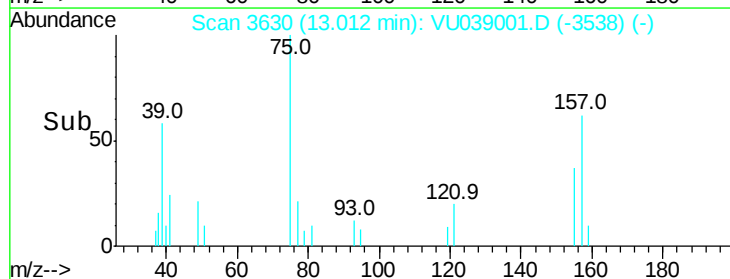
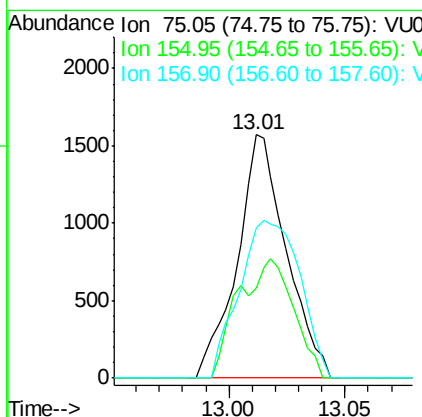
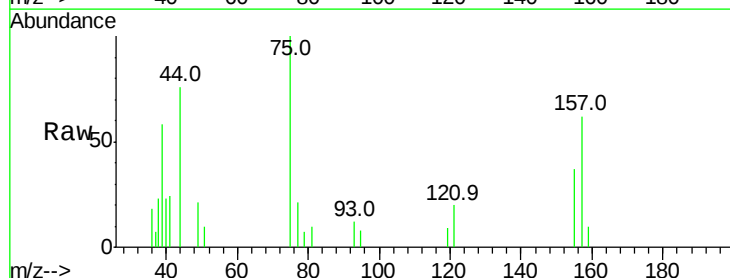
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.506

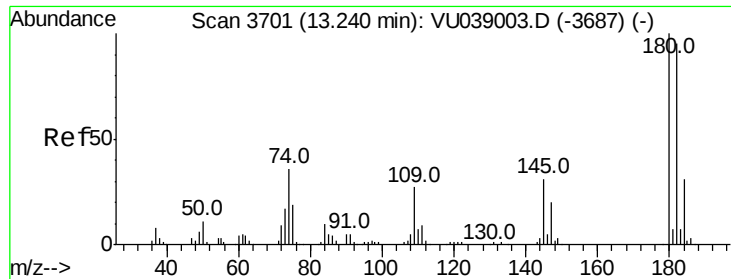
Tgt Ion:146 Resp: 22931
 Ion Ratio Lower Upper
 146 100
 111 45.5 34.2 51.2
 148 59.8 51.4 77.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.565 ug/L
 RT: 13.01 min Scan# 3630
 Delta R.T. -0.00 min
 Lab File: VU039001.D
 Acq: 22 Jun 2020 13:05

Tgt Ion: 75 Resp: 2317
 Ion Ratio Lower Upper
 75 100
 155 37.2 64.5 96.7#
 157 61.9 78.2 117.2#

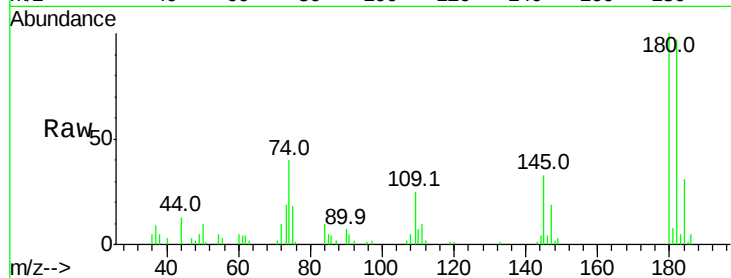




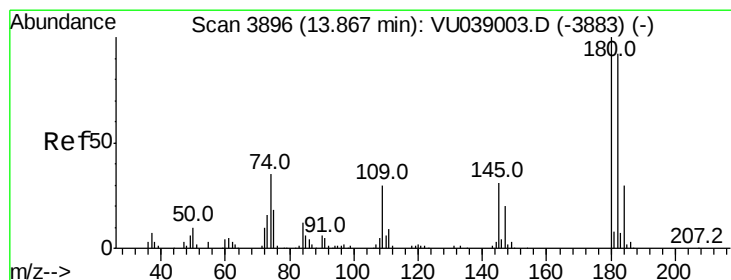
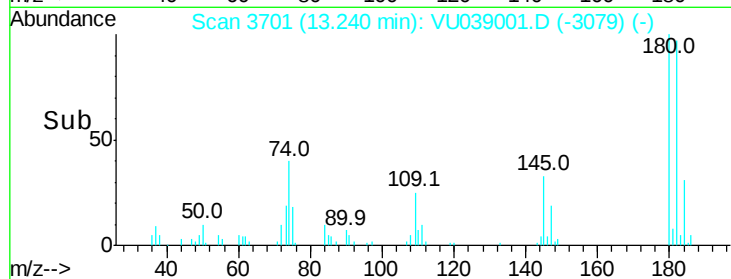
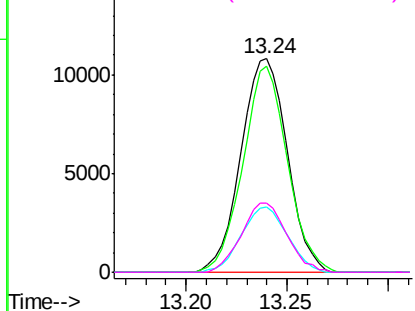
#67
 1,3,5-Trichlorobenzene
 Concen: 0.497 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.00 min
 Lab File: VU039001.D
 Acq: 22 Jun 2020 13:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.506

Tgt Ion:180 Resp: 17412
 Ion Ratio Lower Upper
 180 100
 182 92.5 77.2 115.8
 184 30.5 24.8 37.2
 145 31.7 24.6 37.0

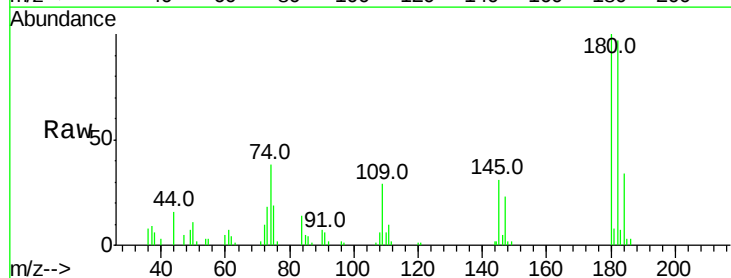


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

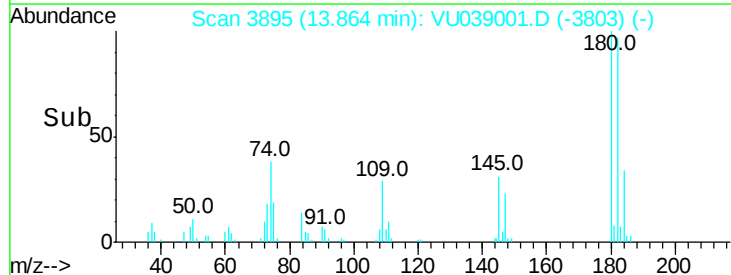
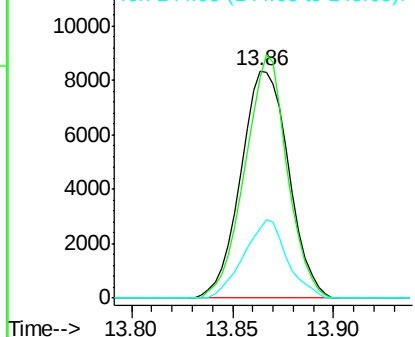


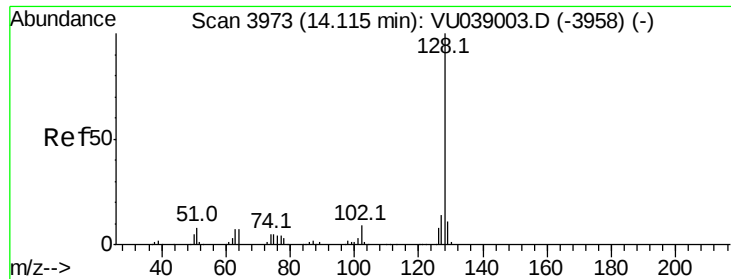
#68
 1,2,4-trichlorobenzene
 Concen: 0.446 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. -0.00 min
 Lab File: VU039001.D
 Acq: 22 Jun 2020 13:05

Tgt Ion:180 Resp: 13875
 Ion Ratio Lower Upper
 180 100
 182 94.3 75.1 112.7
 145 31.1 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: 0.464 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.00 min

Lab File: VU039001.D

Acq: 22 Jun 2020 13:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.506

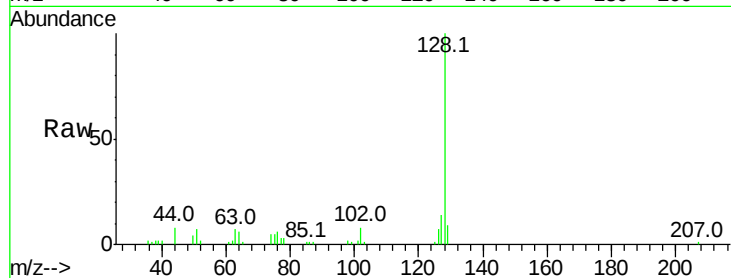
Tgt Ion:128 Resp: 26461

Ion Ratio Lower Upper

128 100

129 11.2 8.7 13.1

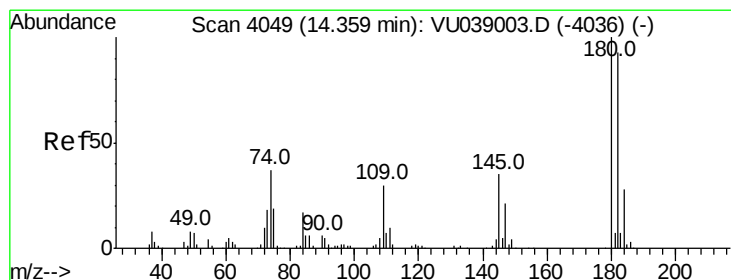
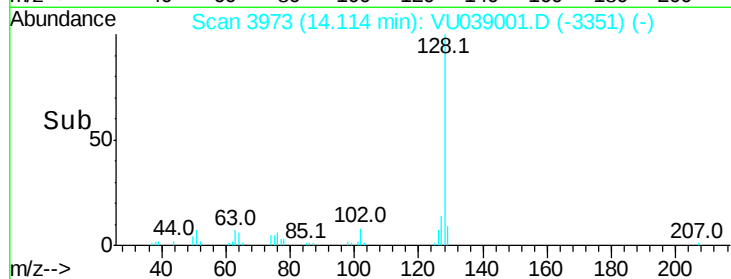
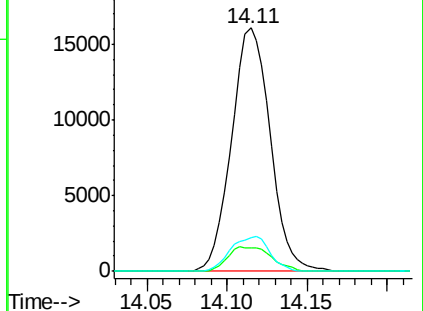
127 14.4 10.9 16.3



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: 0.453 ug/L

RT: 14.36 min Scan# 4050

Delta R.T. 0.00 min

Lab File: VU039001.D

Acq: 22 Jun 2020 13:05

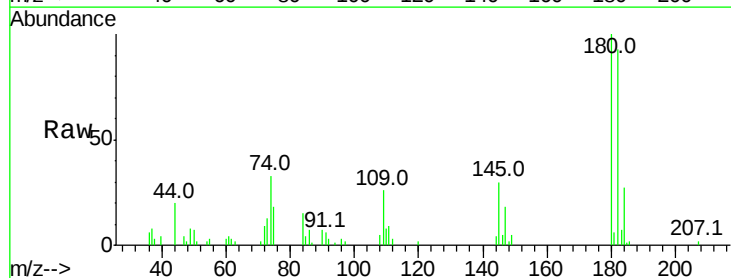
Tgt Ion:180 Resp: 13443

Ion Ratio Lower Upper

180 100

182 92.5 75.1 112.7

145 30.2 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

