

Data File : VU038839.D
Acq On : 12 Jun 2020 09:33
Operator : SY/MD
Sample : VSTD001
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00103

Quant Time: Jun 12 10:36:39 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR061220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jun 12 10:34:22 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	324079	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	322925	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	160826	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	18610	0.89	ug/L	0.00
7) Chloroethane-d5	1.93	69	15125	0.94	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.60	63	41777	1.01	ug/L	0.00
20) 2-Butanone-d5	4.68	46	56124	8.81	ug/L	0.00
24) Chloroform-d	5.10	84	40339	1.02	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	23670	1.06	ug/L	0.00
32) Benzene-d6	5.76	84	79058	0.98	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	22751	0.92	ug/L	0.00
41) Toluene-d8	7.92	98	70165	0.97	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	9755	0.91	ug/L	0.00
46) 2-Hexanone-d5	8.66	63	42375	8.05	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	19939	0.95	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.20	152	27873	1.00	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	33498	1.311 ug/L	100
3) Chloromethane	1.53	50	28043	1.195 ug/L	98
5) Vinyl chloride	1.62	62	28299	1.126 ug/L	96
6) Bromomethane	1.88	94	16429	1.346 ug/L	98
8) Chloroethane	1.95	64	18434	1.224 ug/L	100
9) Trichlorofluoromethane	2.16	101	43698	1.311 ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	25108	1.279 ug/L	99
12) 1,1-Dichloroethene	2.60	96	23863	1.196 ug/L	99
13) Acetone	2.69	43	48687	11.676 ug/L	100
14) Carbon disulfide	2.82	76	81544	1.204 ug/L	99
15) Methyl Acetate	2.99	43	11847	1.160 ug/L	98
16) Methylene chloride	3.08	84	27463	1.216 ug/L	96
17) Methyl tert-butyl Ether	3.40	73	59853	1.144 ug/L	99
18) trans-1,2-Dichloroethene	3.38	96	26288	1.222 ug/L	99
19) 1,1-Dichloroethane	3.91	63	45309	1.177 ug/L	98
21) 2-Butanone	4.76	43	75165	10.717 ug/L	98
22) cis-1,2-Dichloroethene	4.71	96	26642	1.150 ug/L	91
23) Bromochloromethane	5.01	128	12503	1.200 ug/L	93
25) Chloroform	5.13	83	48500	1.240 ug/L	95
27) 1,2-Dichloroethane	5.83	62	33045	1.200 ug/L	92
29) 1,1,1-Trichloroethane	5.35	97	42951	1.257 ug/L	99
30) Cyclohexane	5.42	56	40097	1.119 ug/L	99
31) Carbon tetrachloride	5.56	117	36056	1.267 ug/L	98
33) Benzene	5.81	78	102565	1.139 ug/L	100
34) Trichloroethene	6.57	95	26426	1.131 ug/L	98
35) Methylcyclohexane	6.79	83	39030	1.079 ug/L	99
37) 1,2-Dichloropropane	6.82	63	25093	1.107 ug/L	97
38) Bromodichloromethane	7.13	83	33444	1.188 ug/L	100
39) cis-1,3-Dichloropropene	7.63	75	35545	1.061 ug/L	98
40) 4-Methyl-2-pentanone	7.82	43	164476	10.150 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	104344	1.105	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	31602	1.068	ug/L	94
45) 1,1,2-Trichloroethane	8.42	97	19214	1.124	ug/L	95
47) Tetrachloroethene	8.57	164	20890	1.230	ug/L	94
48) 2-Hexanone	8.71	43	126334	10.294	ug/L	98
49) Dibromochloromethane	8.83	129	21044	1.140	ug/L	94
50) 1,2-Dibromoethane	8.94	107	19190	1.172	ug/L #	95
51) Chlorobenzene	9.47	112	68855	1.130	ug/L	98
52) Ethylbenzene	9.59	91	112129	1.067	ug/L	98
53) m,p-Xylene	9.71	106	41612	1.030	ug/L	98
54) o-Xylene	10.11	106	40423	1.042	ug/L	98
55) Styrene	10.13	104	67040	1.018	ug/L	97
56) Isopropylbenzene	10.50	105	108849	1.066	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	23531	1.083	ug/L	93
59) 1,2,3-Trichloropropane	10.84	75	19049	1.126	ug/L	99
61) Bromoform	10.31	173	11926	1.190	ug/L	98
62) 1,3-Dichlorobenzene	11.76	146	54548	1.154	ug/L	95
63) 1,4-Dichlorobenzene	11.85	146	56911	1.188	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	51054	1.138	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.01	75	4184	1.152	ug/L	90
67) 1,3,5-Trichlorobenzene	13.24	180	38639	1.096	ug/L	95
68) 1,2,4-trichlorobenzene	13.87	180	33354	1.022	ug/L	98
69) Naphthalene	14.11	128	59549	0.917	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	30041	1.012	ug/L	94

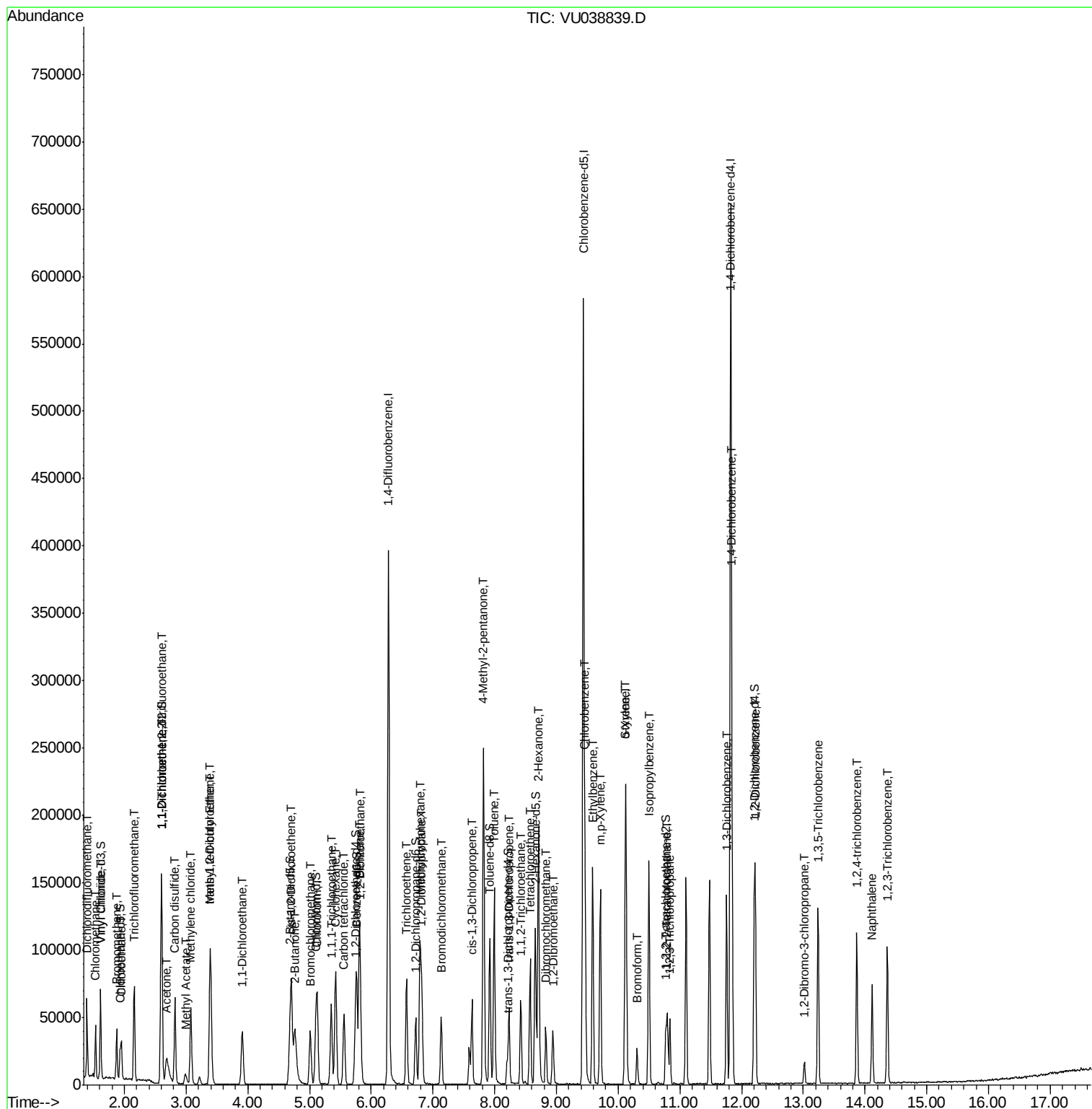
(#) = qualifier out of range (m) = manual integration (+) = signals summed

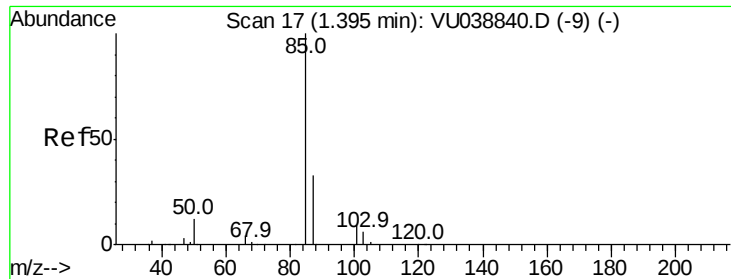
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#2

Dichlorodifluoromethane

Concen: 1.311 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU038839.D

Acq: 12 Jun 2020 09:33

Instrument :

MSVOA_U

ClientSampleId :

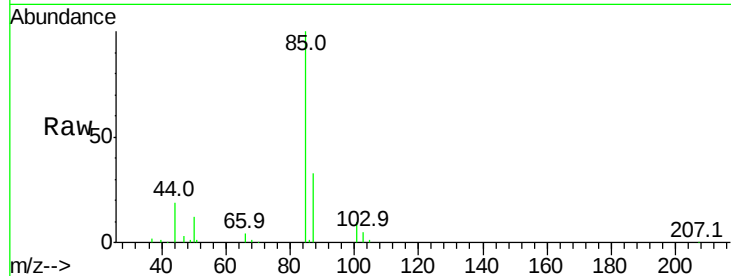
VSTD00103

Tgt Ion: 85 Resp: 33498

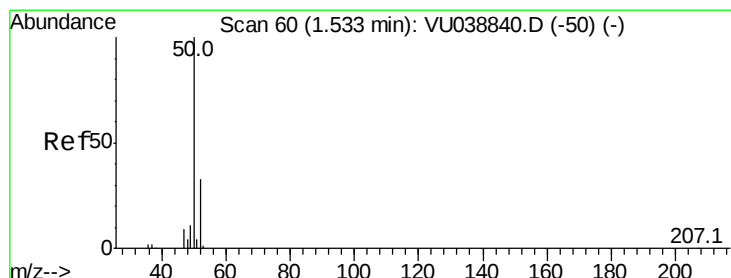
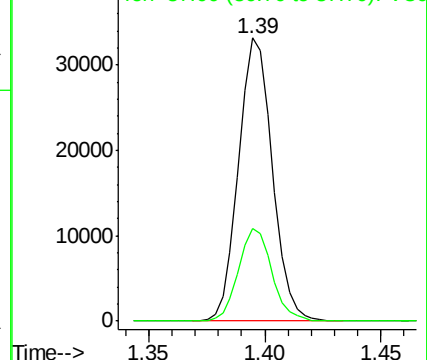
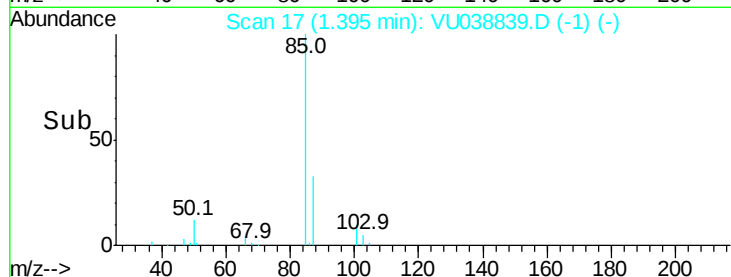
Ion Ratio Lower Upper

85 100

87 32.2 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU038839.D (-1) (-)



#3

Chloromethane

Concen: 1.195 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU038839.D

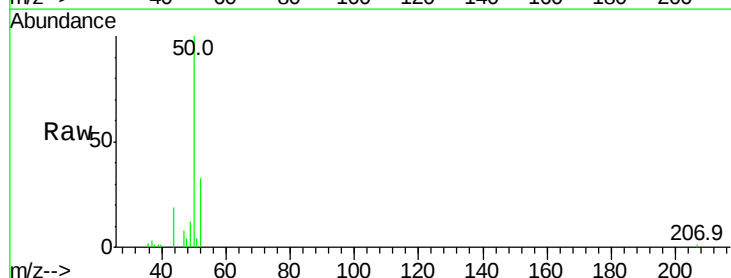
Acq: 12 Jun 2020 09:33

Tgt Ion: 50 Resp: 28043

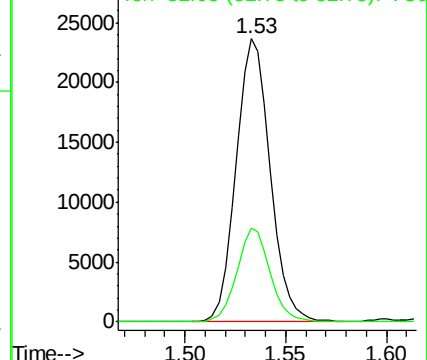
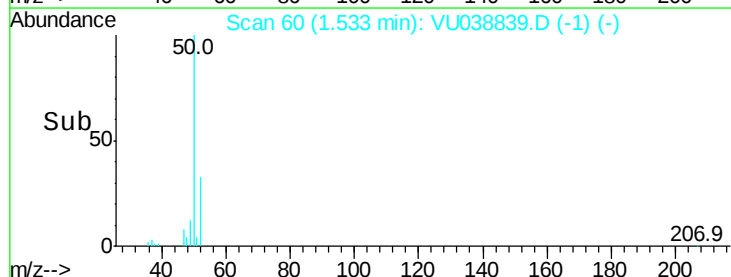
Ion Ratio Lower Upper

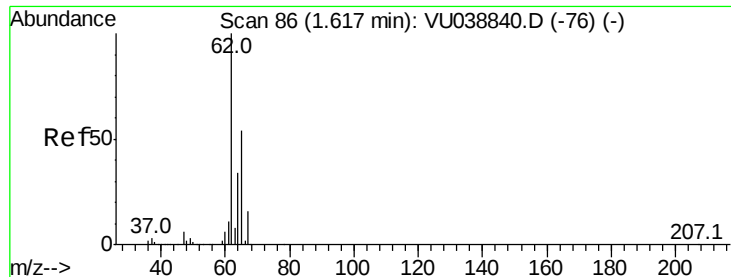
50 100

52 33.4 22.7 42.3



Abundance Ion 50.05 (49.75 to 50.75): VU038839.D (-1) (-)





#5

Vinyl chloride

Concen: 1.126 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU038839.D

Acq: 12 Jun 2020 09:33

Instrument :

MSVOA_U

ClientSampleId :

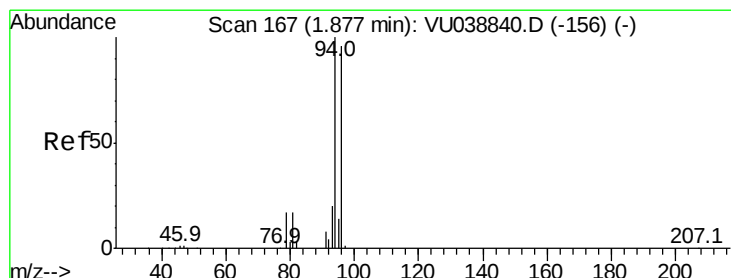
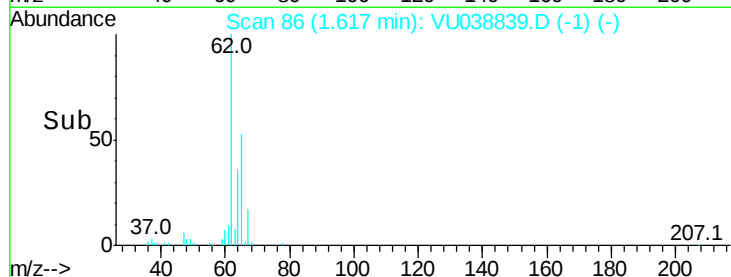
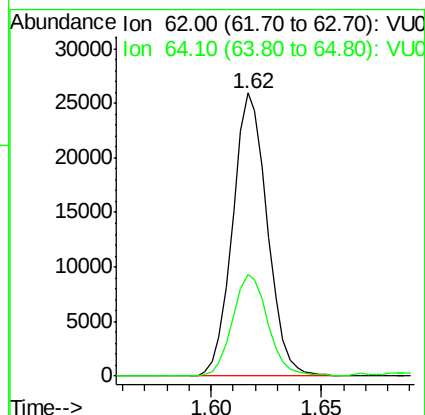
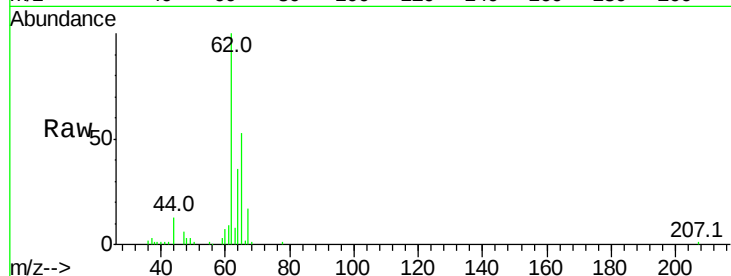
VSTD00103

Tgt Ion: 62 Resp: 28299

Ion Ratio Lower Upper

62 100

64 35.7 23.4 43.6



#6

Bromomethane

Concen: 1.346 ug/L

RT: 1.88 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU038839.D

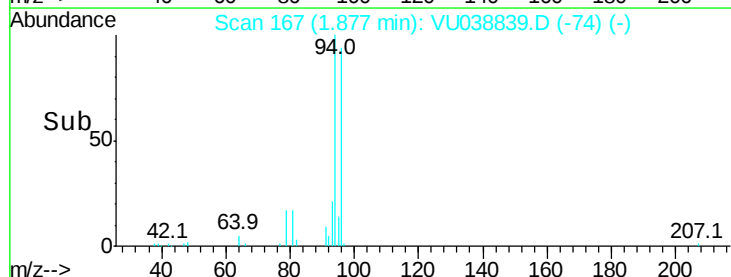
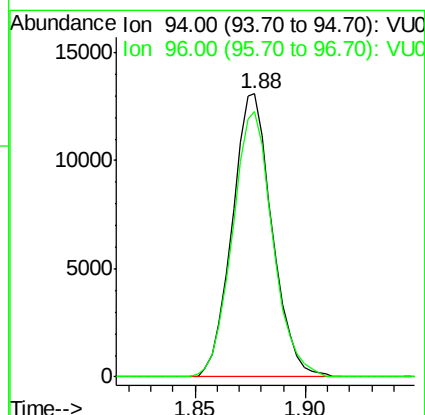
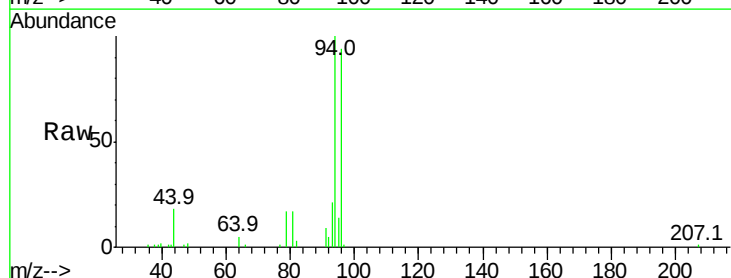
Acq: 12 Jun 2020 09:33

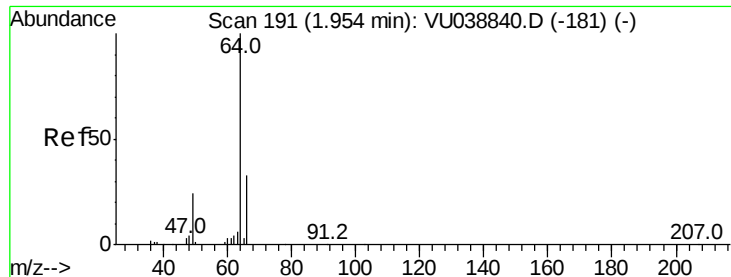
Tgt Ion: 94 Resp: 16429

Ion Ratio Lower Upper

94 100

96 93.7 66.8 124.2





#8

Chloroethane

Concen: 1.224 ug/L

RT: 1.95 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU038839.D

Acq: 12 Jun 2020 09:33

Instrument :

MSVOA_U

ClientSampleId :

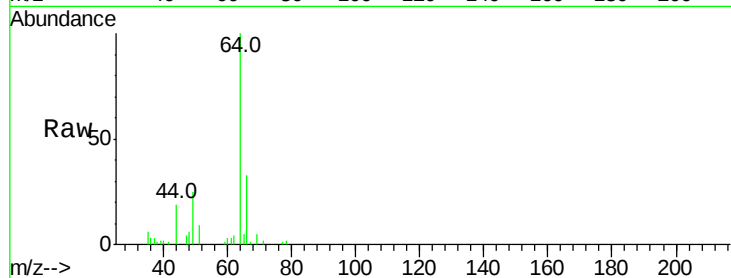
VSTD00103

Tgt Ion: 64 Resp: 18434

Ion Ratio Lower Upper

64 100

66 32.6 22.9 42.5



Abundance Ion 64.10 (63.80 to 64.80): VU038839.D (-181) (-)

Ion 66.05 (65.75 to 66.75): VU038839.D (-181) (-)

1.95

15000

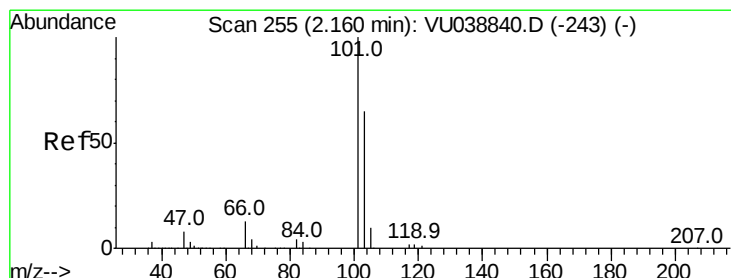
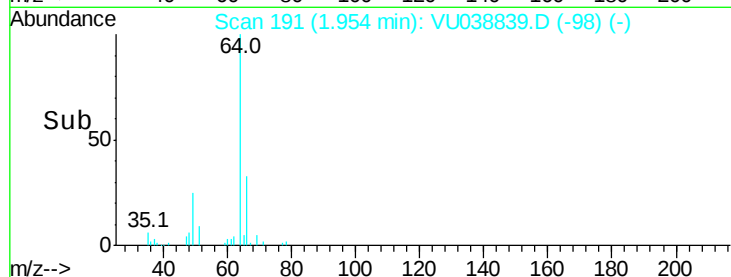
10000

5000

0

1.90 1.95 2.00 2.05

Time-->



#9

Trichlorofluoromethane

Concen: 1.311 ug/L

RT: 2.16 min Scan# 255

Delta R.T. 0.00 min

Lab File: VU038839.D

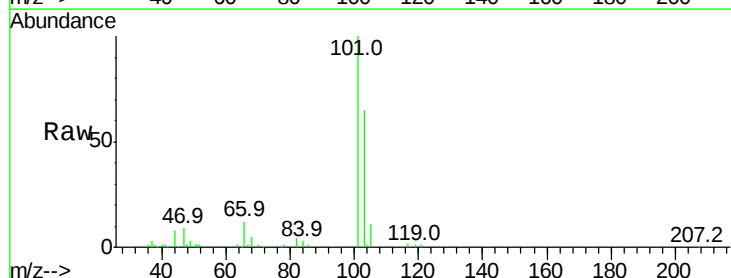
Acq: 12 Jun 2020 09:33

Tgt Ion: 101 Resp: 43698

Ion Ratio Lower Upper

101 100

103 68.0 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): VU038839.D (-243) (-)

Ion 103.00 (102.70 to 103.70): VU038839.D (-243) (-)

2.16

30000

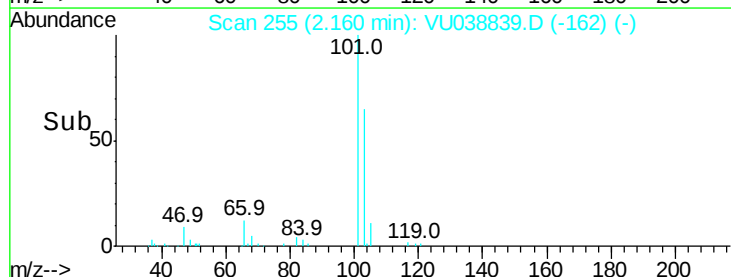
20000

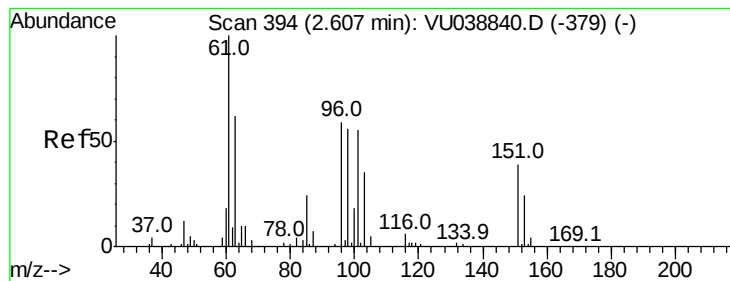
10000

0

2.10 2.15 2.20

Time-->





#10

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

Concen: 1.279 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU038839.D

Acq: 12 Jun 2020 09:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD00103

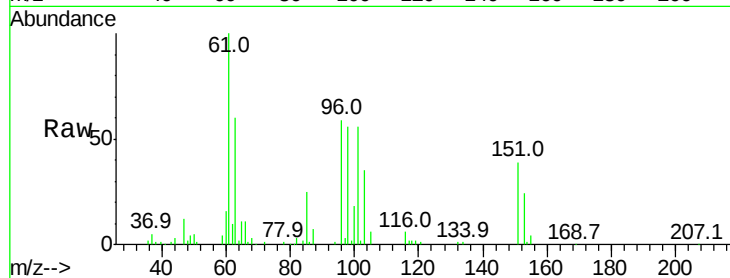
Tgt Ion:101 Resp: 25108

Ion Ratio Lower Upper

101 100

85 43.7 34.5 51.7

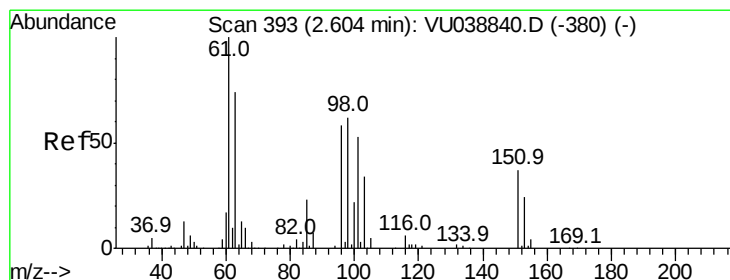
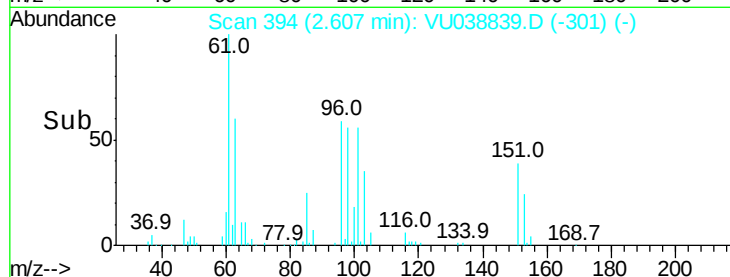
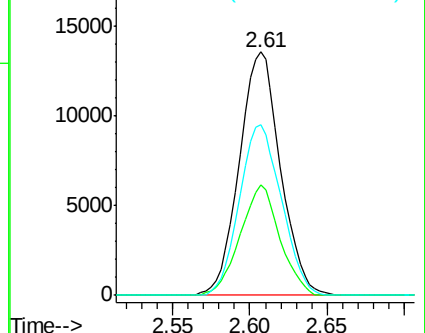
151 71.4 56.5 84.7



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: 1.196 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038839.D

Acq: 12 Jun 2020 09:33

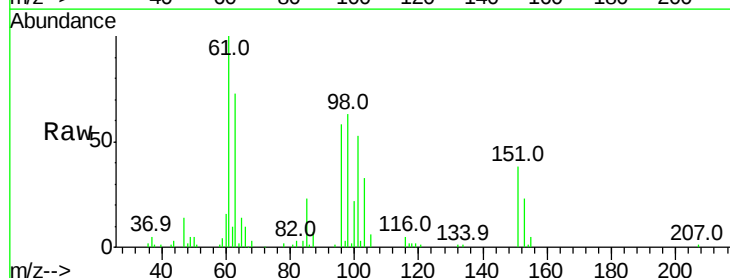
Tgt Ion: 96 Resp: 23863

Ion Ratio Lower Upper

96 100

61 172.1 120.2 223.2

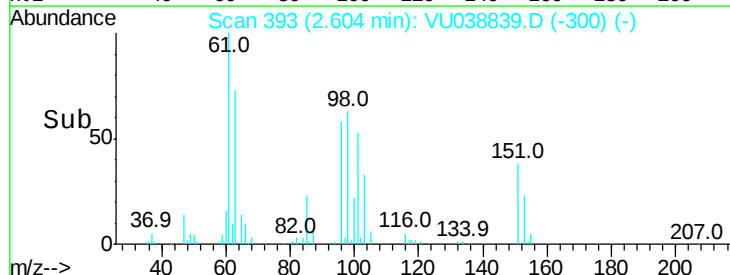
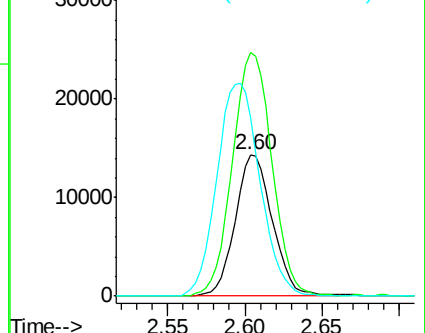
63 126.4 90.1 167.3

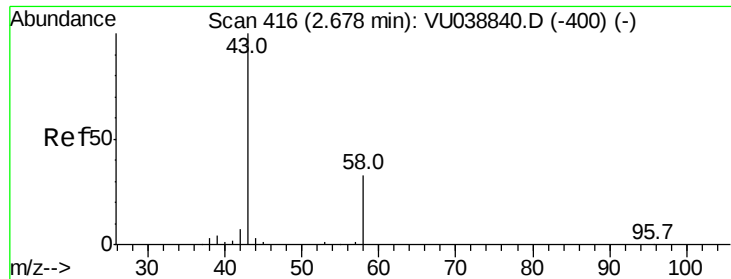


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 11.676 ug/L

RT: 2.69 min Scan# 420

Delta R.T. 0.01 min

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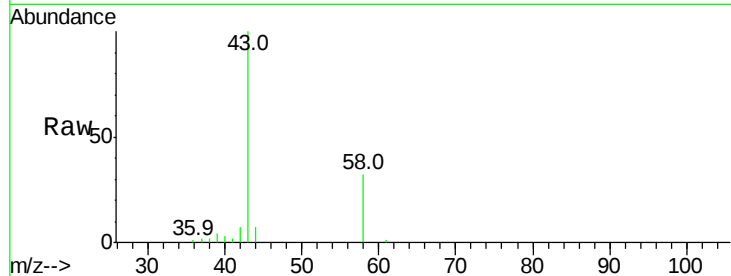
VSTD00103

Tgt Ion: 43 Resp: 48687

Ion Ratio Lower Upper

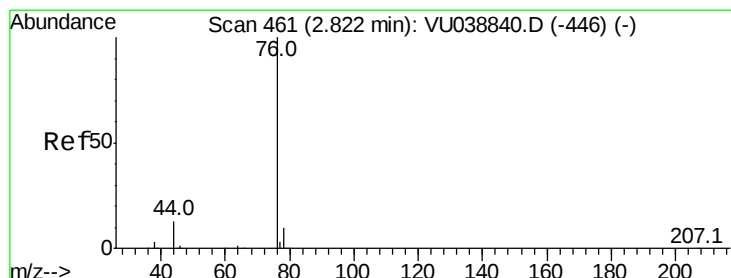
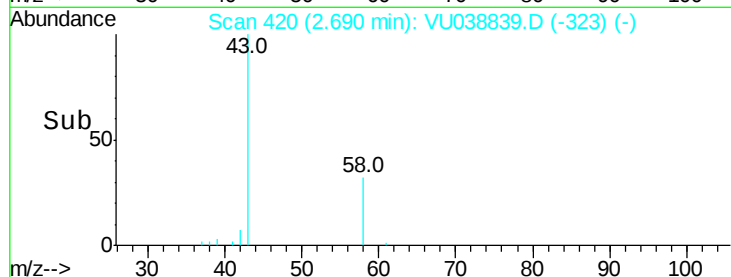
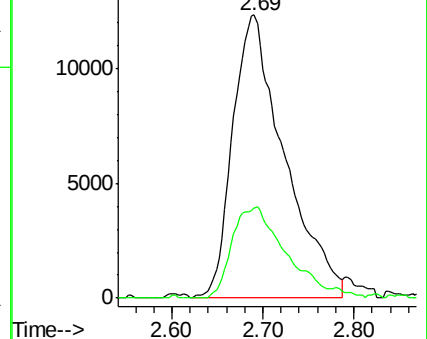
43 100

58 32.9 0.0 66.0



Abundance Ion 43.05 (42.75 to 43.75): VU038839.D (-323) (-)

Ion 58.05 (57.75 to 58.75): VU038839.D (-323) (-)



#14

Carbon disulfide

Concen: 1.204 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU038839.D

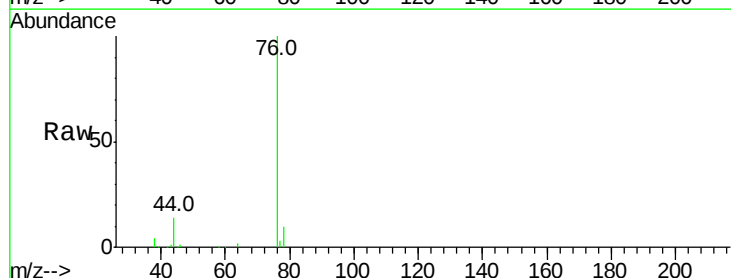
Acq: 12 Jun 2020 09:33

Tgt Ion: 76 Resp: 81544

Ion Ratio Lower Upper

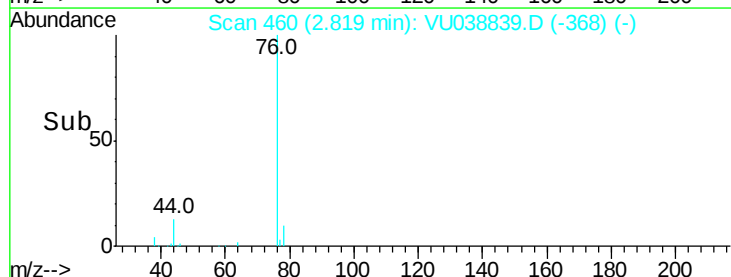
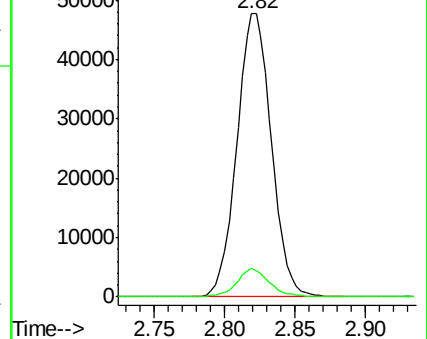
76 100

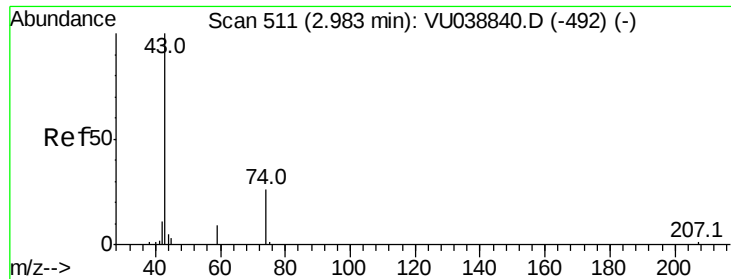
78 10.0 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VU038839.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VU038839.D (-368) (-)

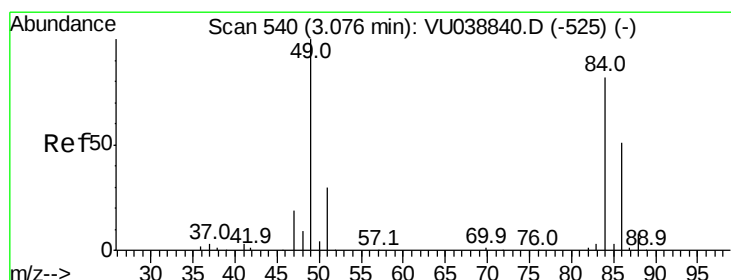
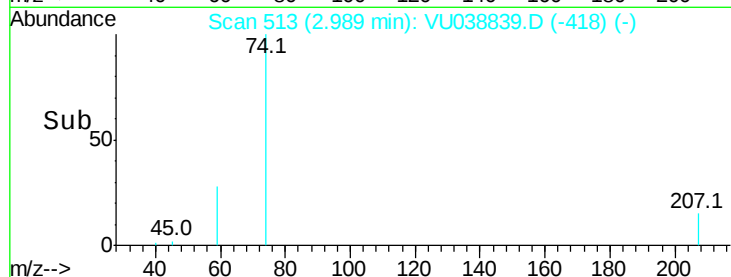
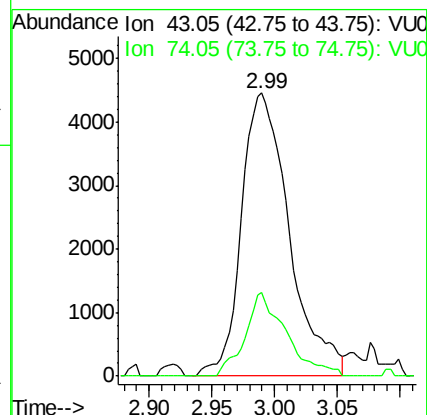
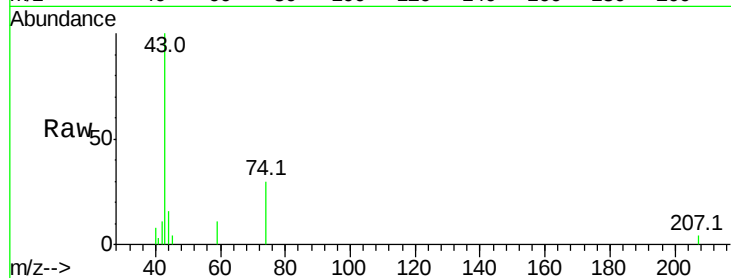




#15
Methyl Acetate
Concen: 1.160 ug/L
RT: 2.99 min Scan# 513
Delta R.T. 0.01 min
Lab File: VU038839.D
Acq: 12 Jun 2020 09:33

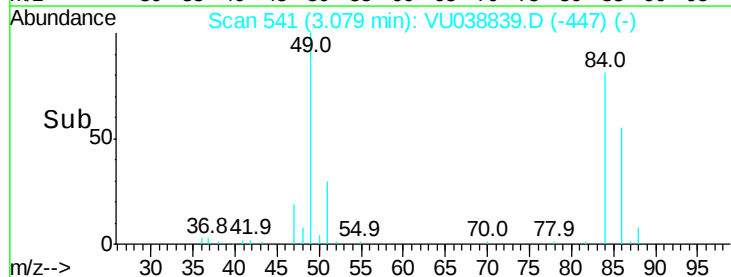
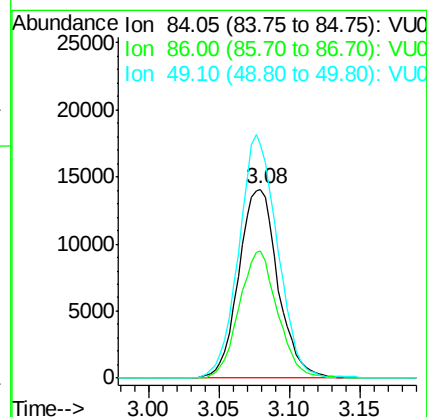
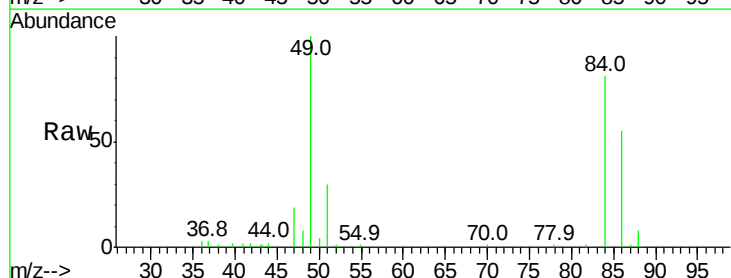
Instrument :
MSVOA_U
ClientSampleId :
VSTD00103

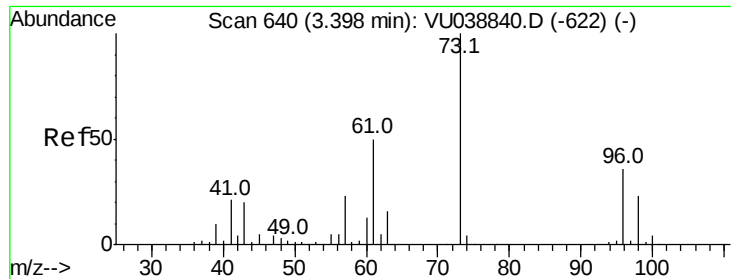
Tgt Ion: 43 Resp: 11847
Ion Ratio Lower Upper
43 100
74 25.2 21.0 31.4



#16
Methylene chloride
Concen: 1.216 ug/L
RT: 3.08 min Scan# 541
Delta R.T. 0.00 min
Lab File: VU038839.D
Acq: 12 Jun 2020 09:33

Tgt Ion: 84 Resp: 27463
Ion Ratio Lower Upper
84 100
86 67.5 43.0 80.0
49 123.9 85.0 157.8





#17

Methyl tert-butyl Ether

Concen: 1.144 ug/L

RT: 3.40 min Scan# 641

Delta R.T. 0.00 min

Lab File: VU038839.D

Acq: 12 Jun 2020 09:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD00103

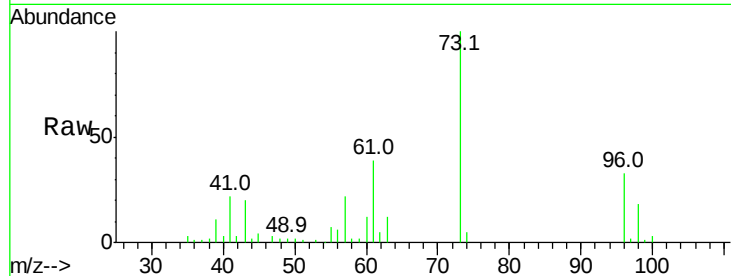
Tgt Ion: 73 Resp: 59853

Ion Ratio Lower Upper

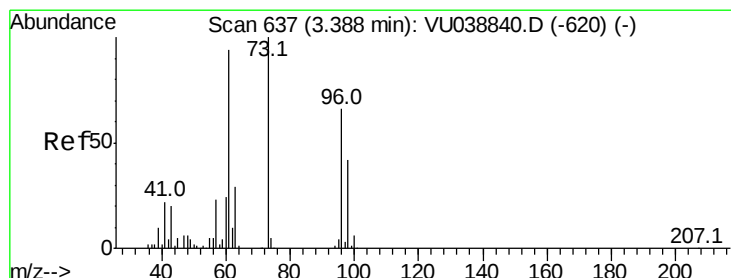
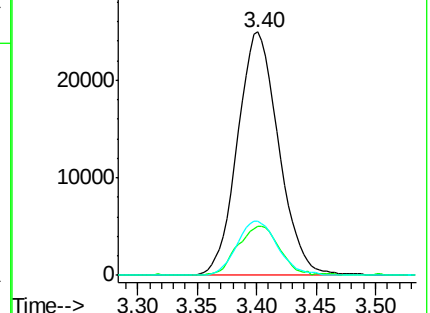
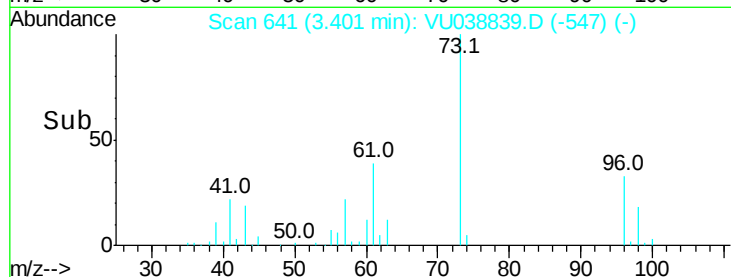
73 100

43 20.5 15.9 23.9

57 22.1 17.5 26.3



Abundance Ion 73.10 (72.80 to 73.80): VU038839.D (-547) (-)



#18

trans-1,2-Dichloroethene

Concen: 1.222 ug/L

RT: 3.38 min Scan# 636

Delta R.T. -0.00 min

Lab File: VU038839.D

Acq: 12 Jun 2020 09:33

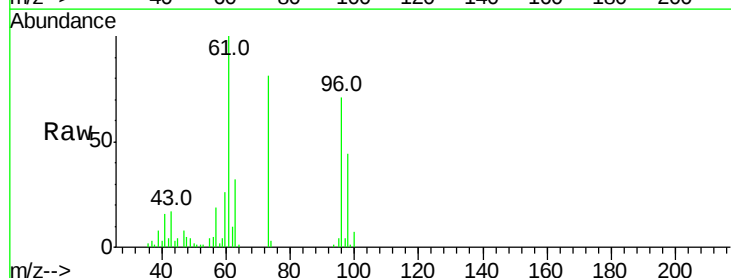
Tgt Ion: 96 Resp: 26288

Ion Ratio Lower Upper

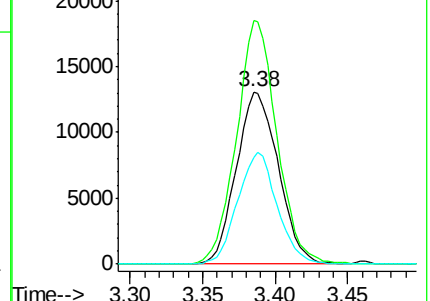
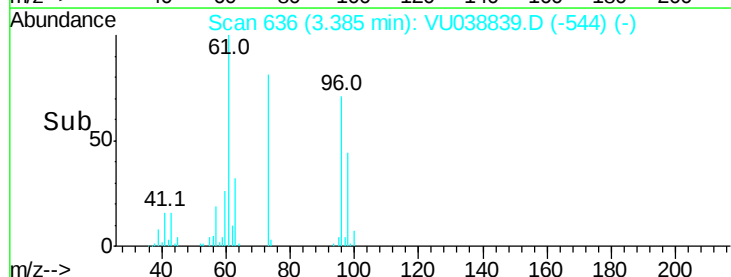
96 100

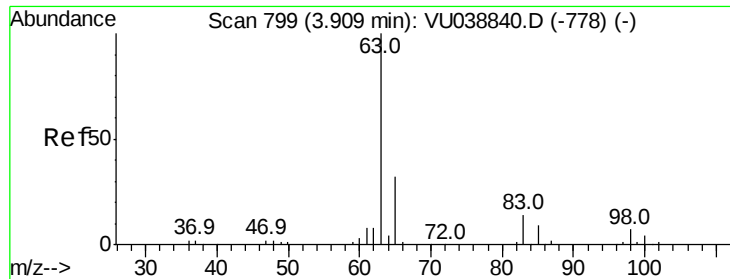
61 141.6 99.3 184.5

98 61.9 43.9 81.5



Abundance Ion 96.00 (95.70 to 96.70): VU038839.D (-544) (-)

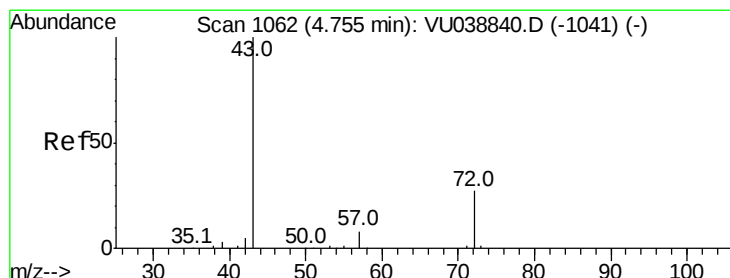
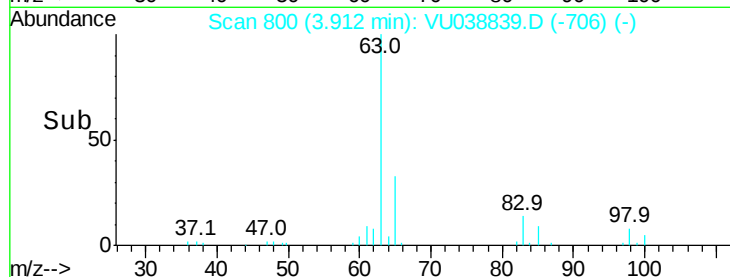
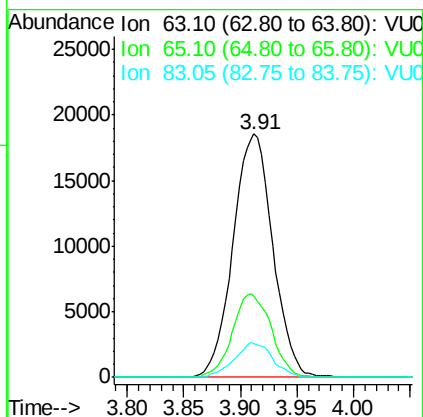
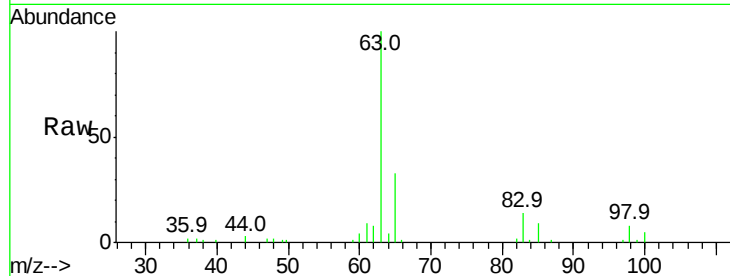




#19
 1,1-Dichloroethane
 Concen: 1.177 ug/L
 RT: 3.91 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: VU038839.D
 Acq: 12 Jun 2020 09:33

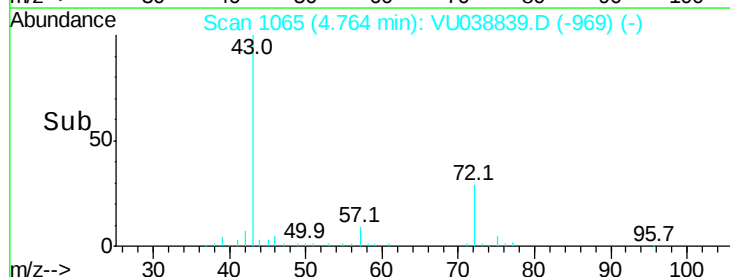
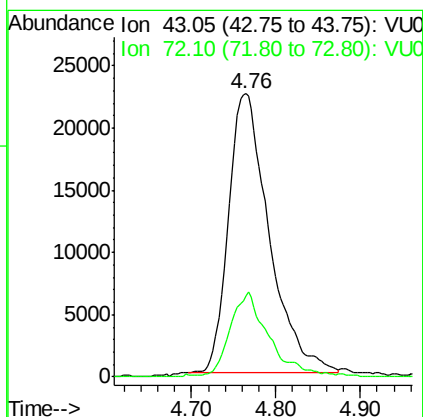
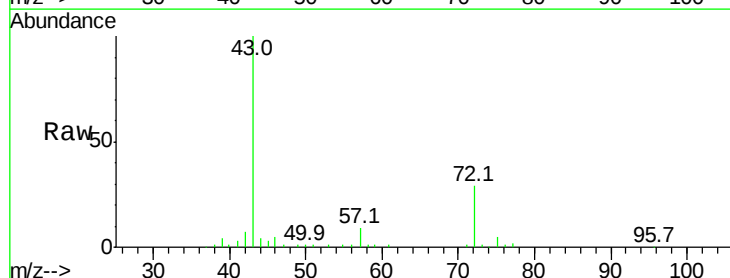
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

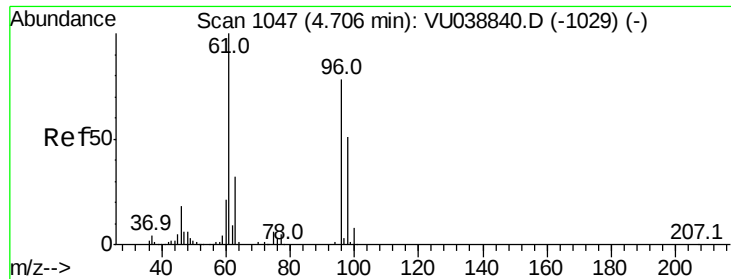
Tgt Ion: 63 Resp: 45309
 Ion Ratio Lower Upper
 63 100
 65 33.3 22.3 41.5
 83 13.9 10.1 18.9



#21
 2-Butanone
 Concen: 10.717 ug/L
 RT: 4.76 min Scan# 1065
 Delta R.T. 0.01 min
 Lab File: VU038839.D
 Acq: 12 Jun 2020 09:33

Tgt Ion: 43 Resp: 75165
 Ion Ratio Lower Upper
 43 100
 72 27.4 14.2 42.8





#22

cis-1,2-Dichloroethene

Concen: 1.150 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU038839.D

Acq: 12 Jun 2020 09:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD00103

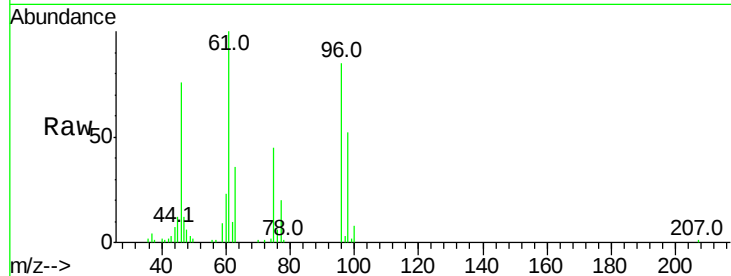
Tgt Ion: 96 Resp: 26642

Ion Ratio Lower Upper

96 100

61 117.5 89.7 166.7

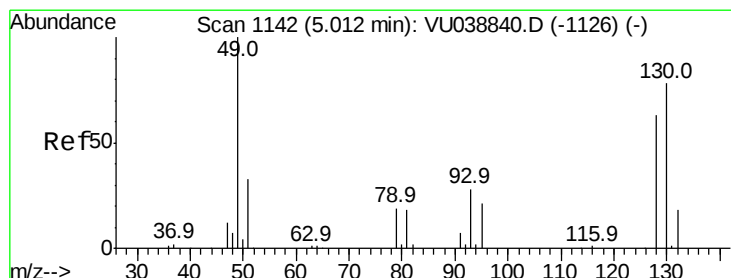
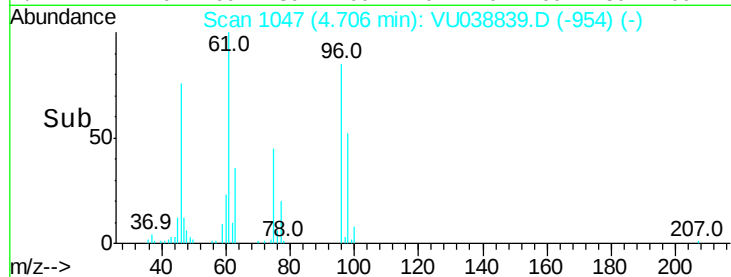
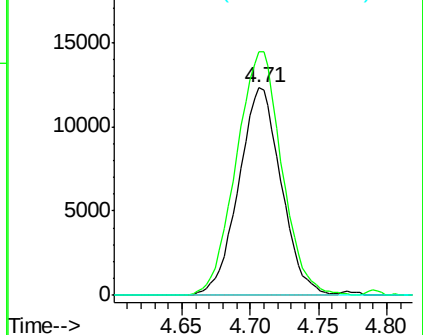
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU038839.D (-1049) (-)

Ion 61.05 (60.75 to 61.75): VU038839.D (-1049) (-)

Ion 68.15 (67.85 to 68.85): VU038839.D (-1049) (-)



#23

Bromochloromethane

Concen: 1.200 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU038839.D

Acq: 12 Jun 2020 09:33

Tgt Ion: 128 Resp: 12503

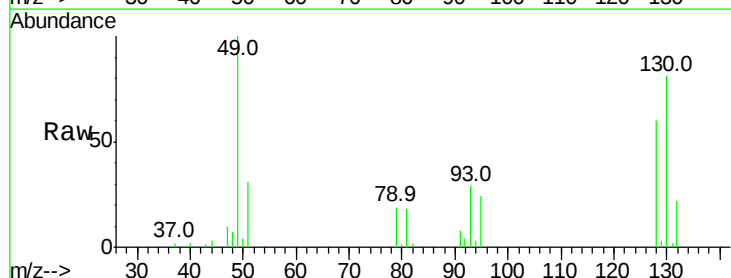
Ion Ratio Lower Upper

128 100

49 165.5 110.8 205.8

130 134.7 86.6 160.8

51 51.3 42.3 63.5

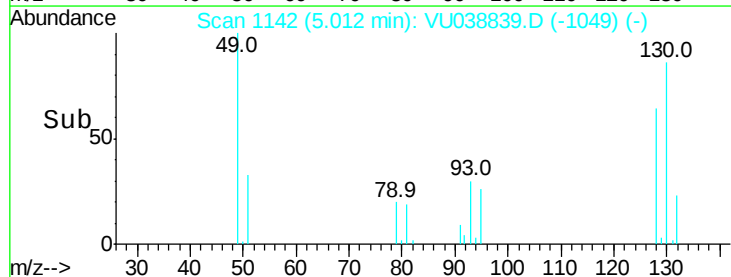
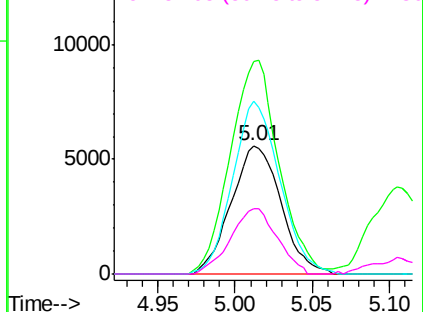


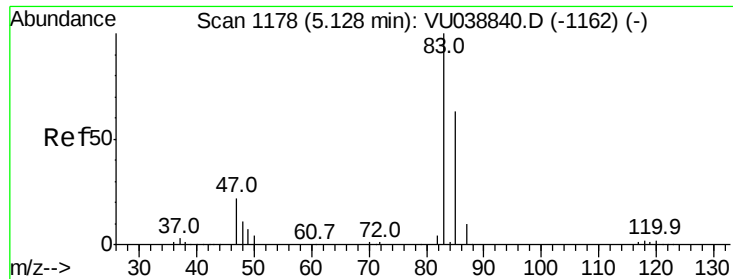
Abundance Ion 127.90 (127.60 to 128.60): VU038839.D (-1049) (-)

Ion 49.10 (48.80 to 49.80): VU038839.D (-1049) (-)

Ion 129.95 (129.65 to 130.65): VU038839.D (-1049) (-)

Ion 51.05 (50.75 to 51.75): VU038839.D (-1049) (-)

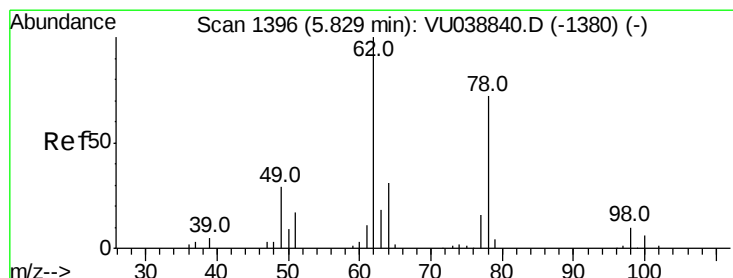
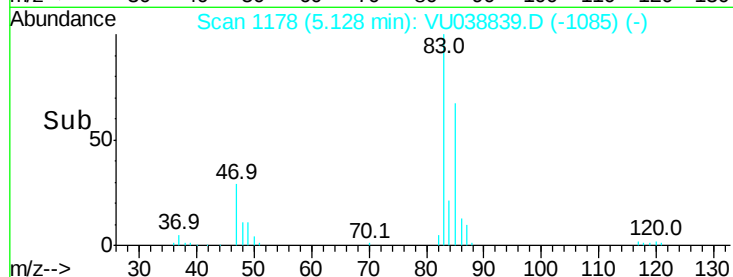
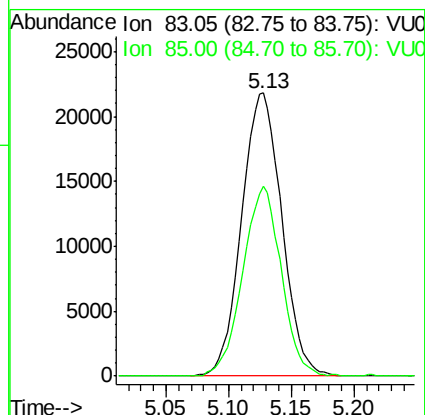
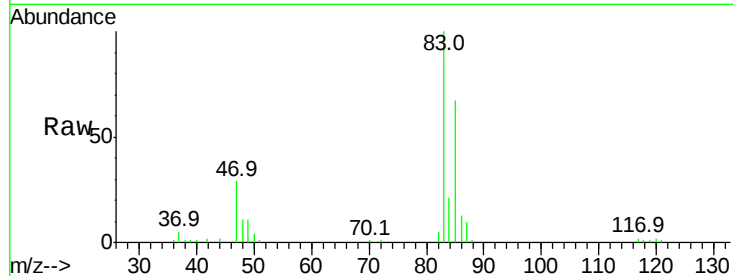




#25
 Chloroform
 Concen: 1.240 ug/L
 RT: 5.13 min Scan# 1178
 Delta R.T. -0.00 min
 Lab File: VU038839.D
 Acq: 12 Jun 2020 09:33

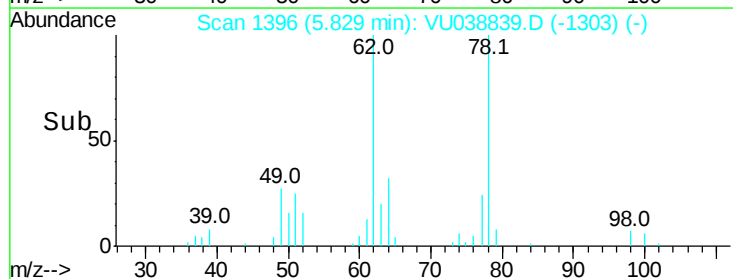
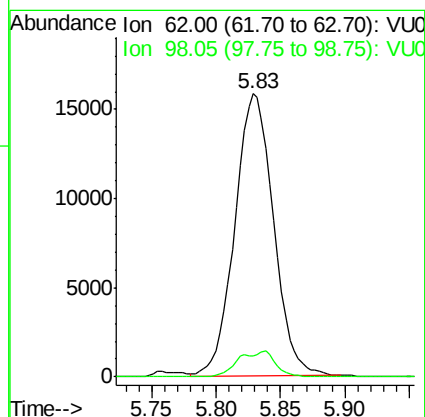
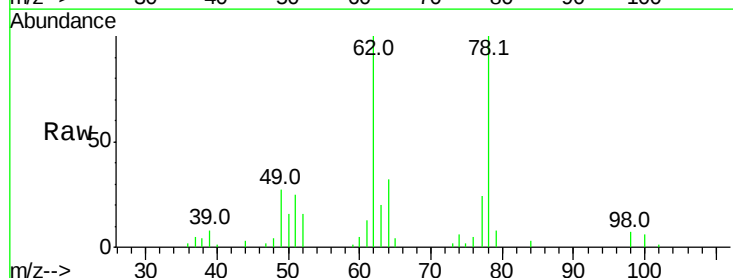
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

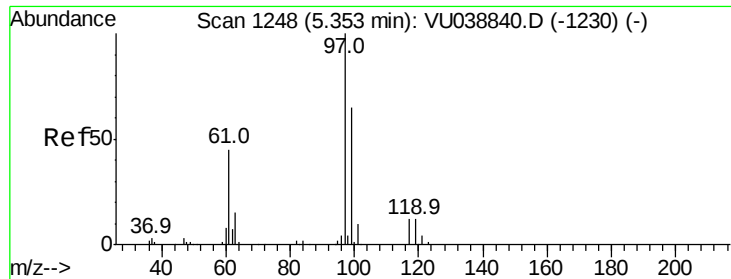
Tgt Ion: 83 Resp: 48500
 Ion Ratio Lower Upper
 83 100
 85 67.0 44.1 81.9



#27
 1,2-Dichloroethane
 Concen: 1.200 ug/L
 RT: 5.83 min Scan# 1396
 Delta R.T. -0.00 min
 Lab File: VU038839.D
 Acq: 12 Jun 2020 09:33

Tgt Ion: 62 Resp: 33045
 Ion Ratio Lower Upper
 62 100
 98 7.5 8.2 12.4#

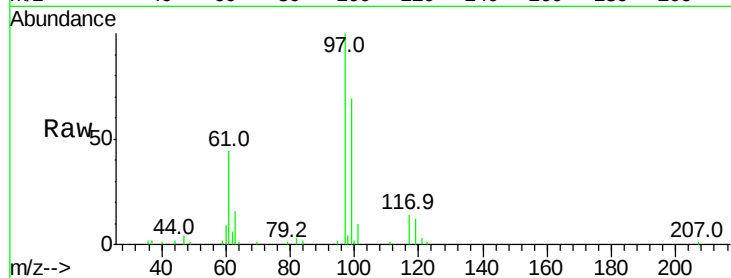




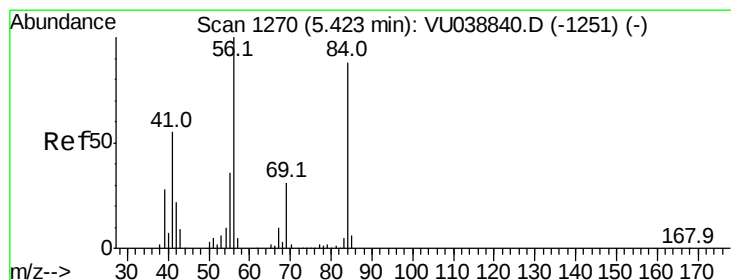
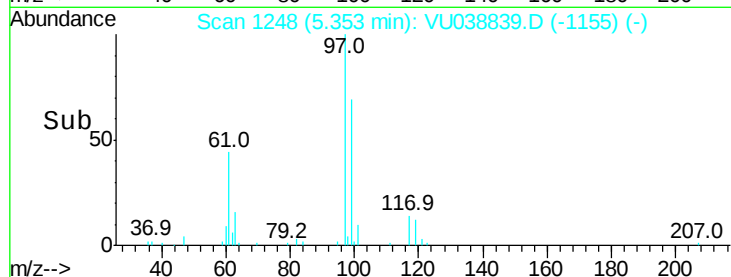
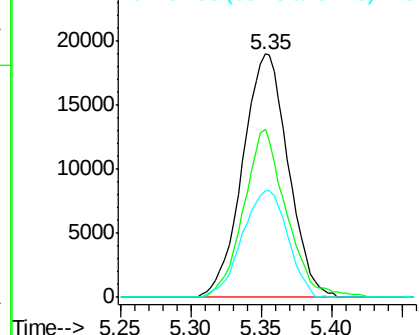
#29
 1,1,1-Trichloroethane
 Concen: 1.257 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VU038839.D
 Acq: 12 Jun 2020 09:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

Tgt Ion: 97 Resp: 42951
 Ion Ratio Lower Upper
 97 100
 99 64.6 52.1 78.1
 61 43.6 35.9 53.9

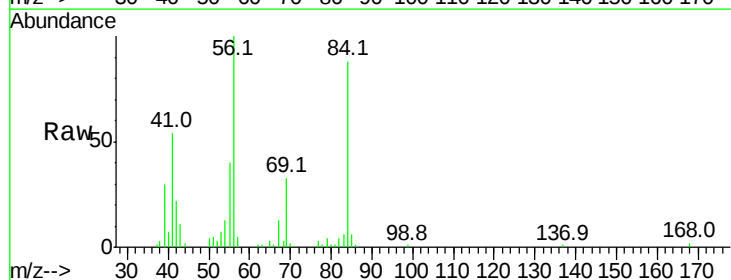


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

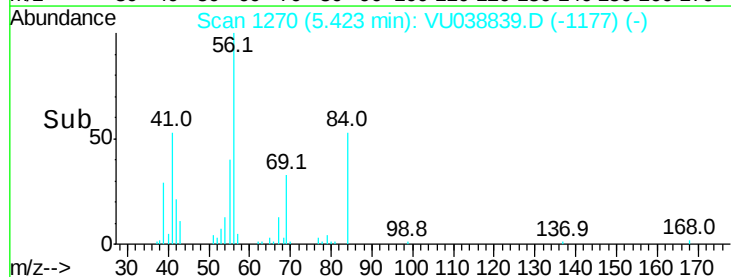
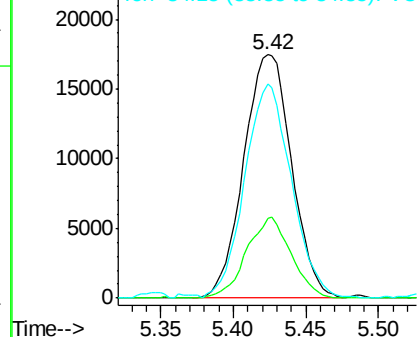


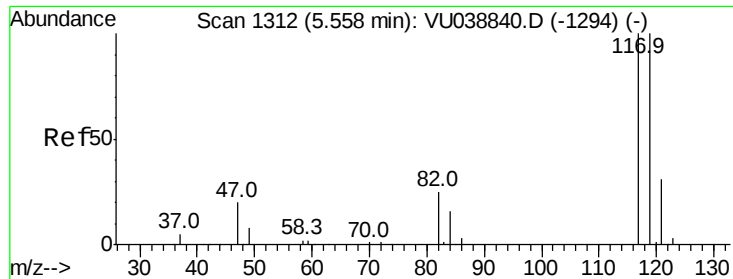
#30
 Cyclohexane
 Concen: 1.119 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VU038839.D
 Acq: 12 Jun 2020 09:33

Tgt Ion: 56 Resp: 40097
 Ion Ratio Lower Upper
 56 100
 69 31.0 25.1 37.7
 84 85.9 69.5 104.3



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: 1.267 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU038839.D

Acq: 12 Jun 2020 09:33

Instrument :

MSVOA_U

ClientSampleId :

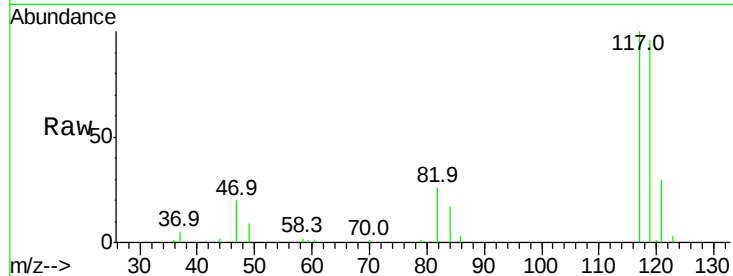
VSTD00103

Tgt Ion:117 Resp: 36056

Ion Ratio Lower Upper

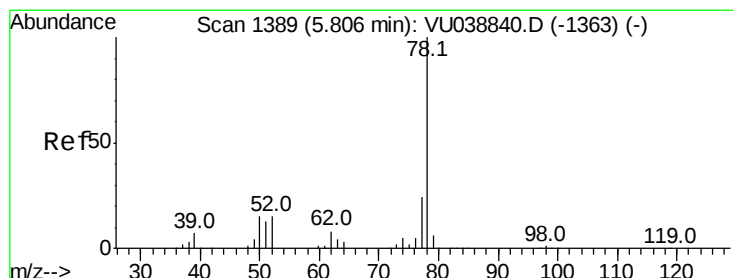
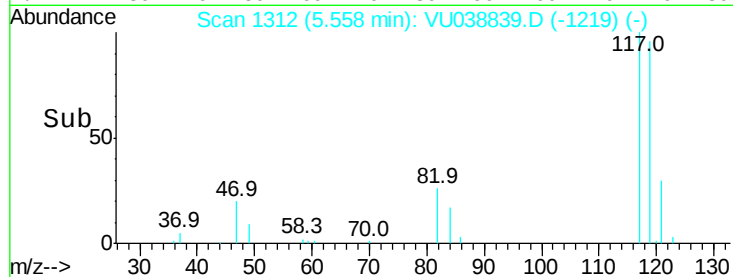
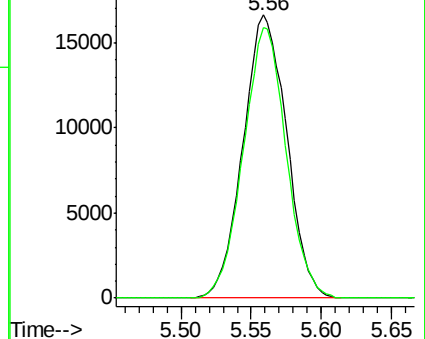
117 100

119 93.6 76.2 114.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 1.139 ug/L

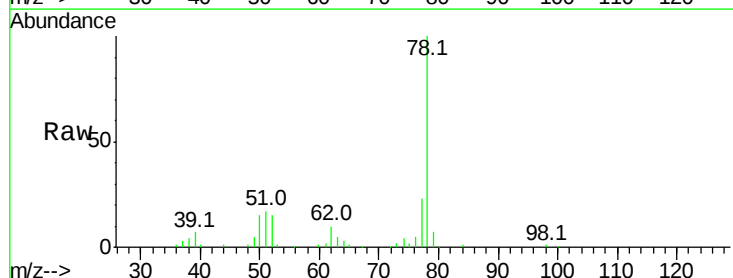
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

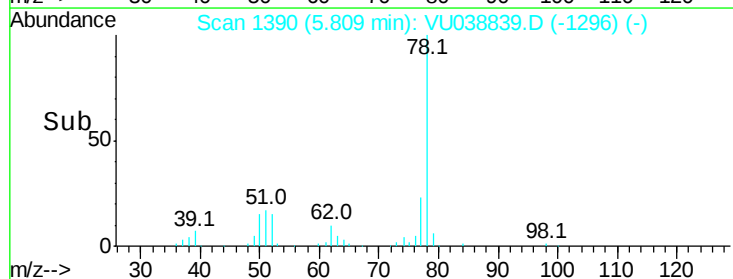
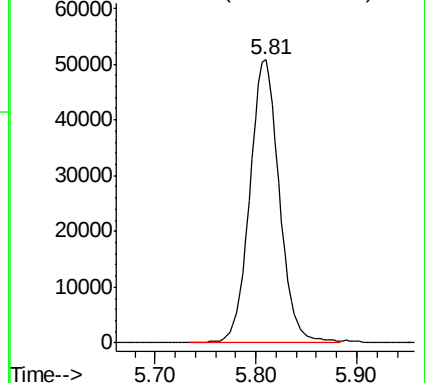
Lab File: VU038839.D

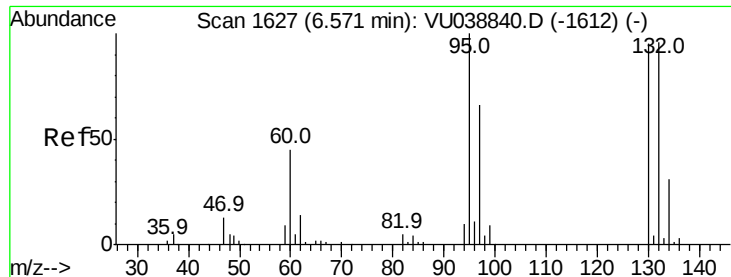
Acq: 12 Jun 2020 09:33

Tgt Ion: 78 Resp: 102565



Abundance Ion 78.10 (77.80 to 78.80): VU0

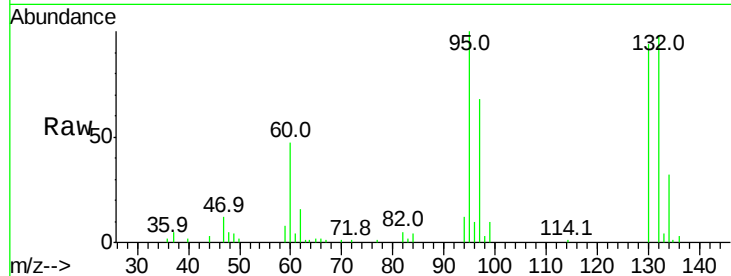




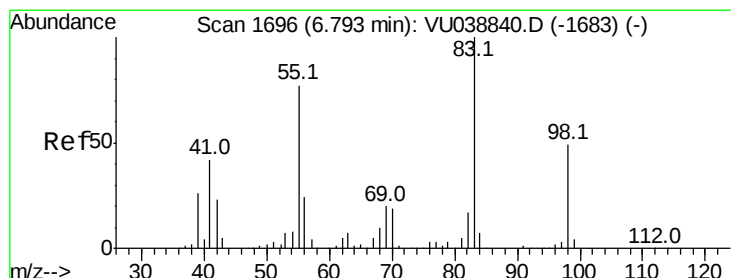
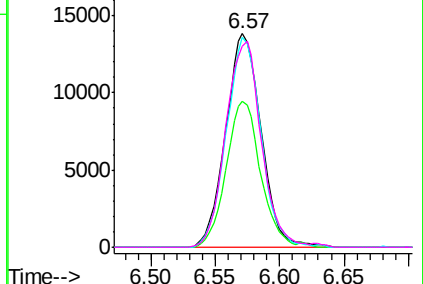
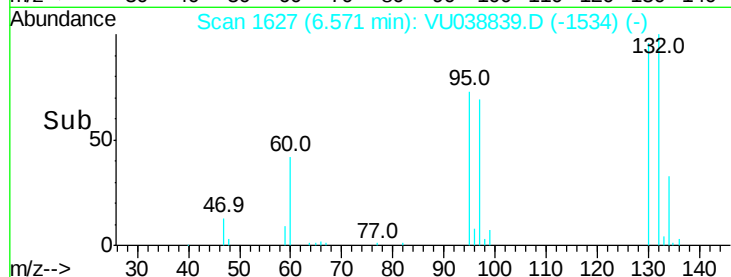
#34
 Trichloroethene
 Concen: 1.131 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VU038839.D
 Acq: 12 Jun 2020 09:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

Tgt Ion: 95 Resp: 26426
 Ion Ratio Lower Upper
 95 100
 97 68.2 46.1 85.5
 132 98.1 67.5 125.3
 130 94.2 66.7 123.9

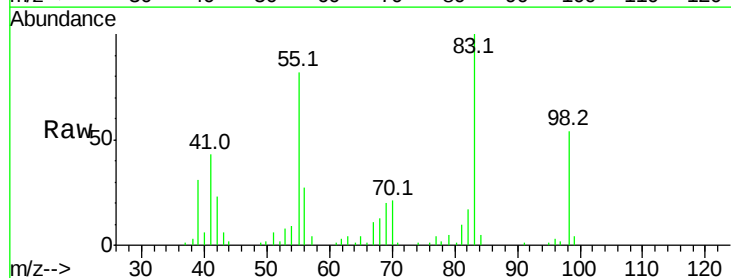


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

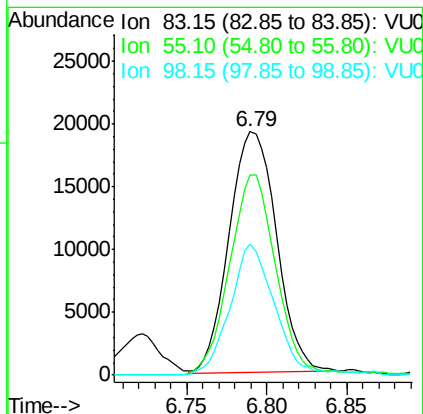
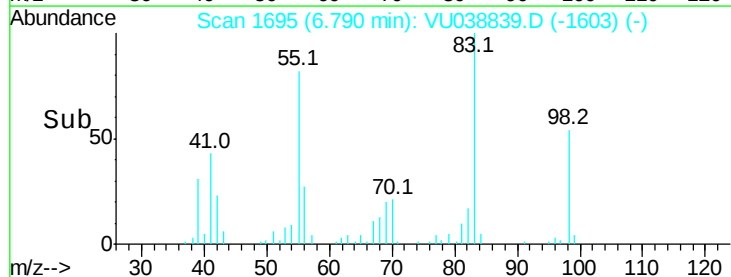


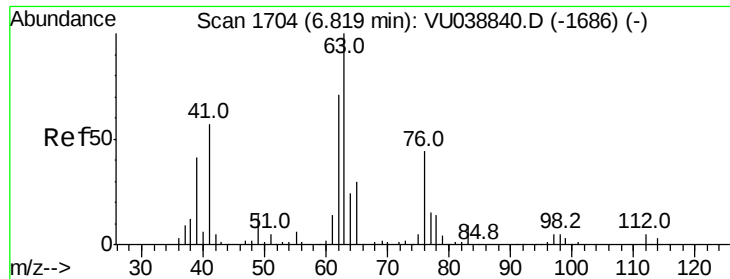
#35
 Methylcyclohexane
 Concen: 1.079 ug/L
 RT: 6.79 min Scan# 1695
 Delta R.T. -0.00 min
 Lab File: VU038839.D
 Acq: 12 Jun 2020 09:33

Tgt Ion: 83 Resp: 39030
 Ion Ratio Lower Upper
 83 100
 55 81.3 64.2 96.2
 98 50.9 40.5 60.7



Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0

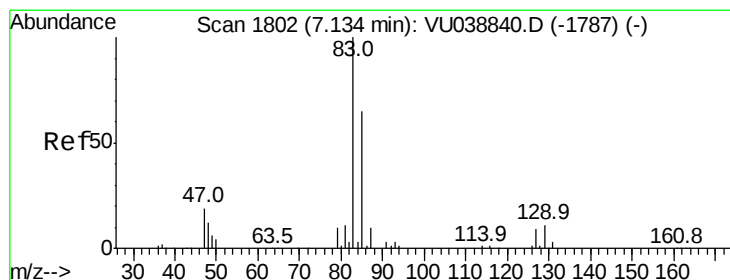
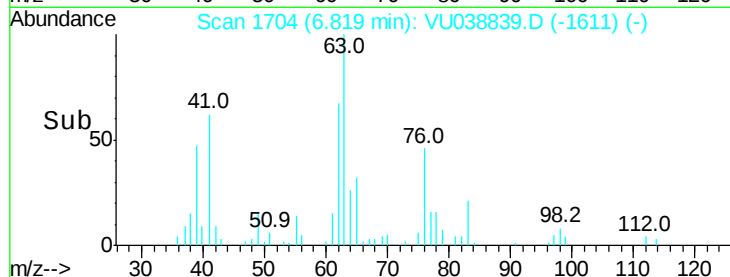
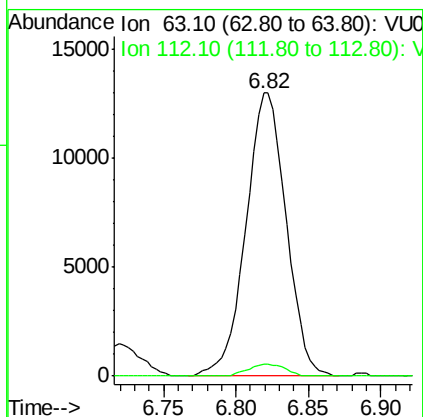
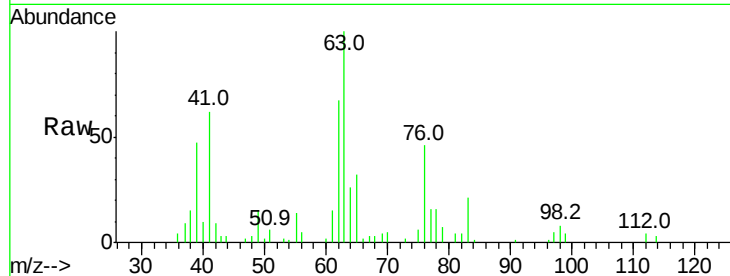




#37
 1,2-Dichloropropane
 Concen: 1.107 ug/L
 RT: 6.82 min Scan# 1704
 Delta R.T. -0.00 min
 Lab File: VU038839.D
 Acq: 12 Jun 2020 09:33

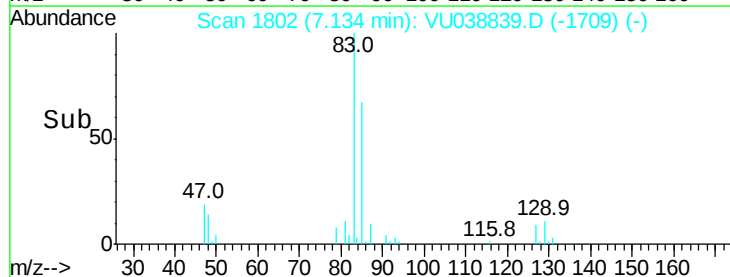
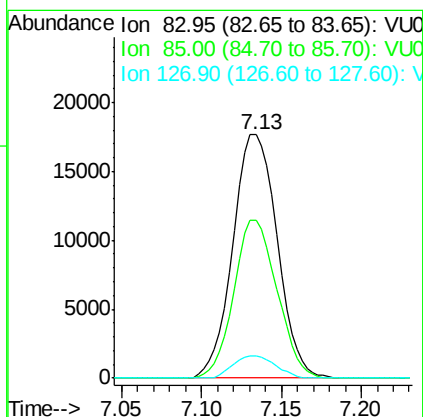
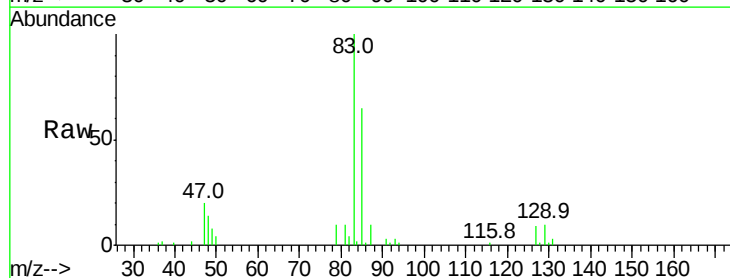
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

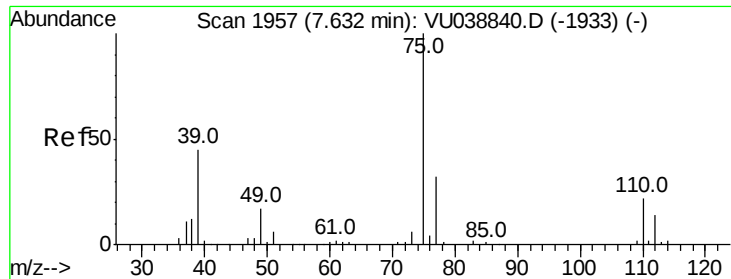
Tgt Ion: 63 Resp: 25093
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.8 5.6



#38
 Bromodichloromethane
 Concen: 1.188 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VU038839.D
 Acq: 12 Jun 2020 09:33

Tgt Ion: 83 Resp: 33444
 Ion Ratio Lower Upper
 83 100
 85 64.8 45.3 84.1
 127 8.9 7.1 10.7

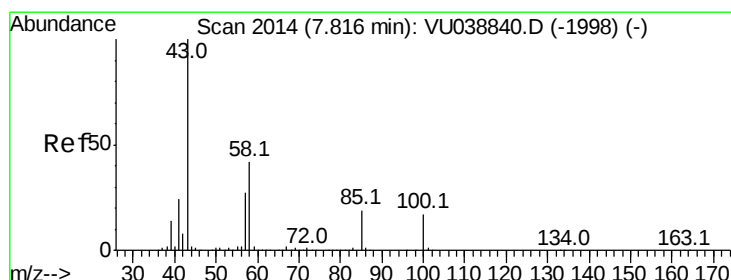
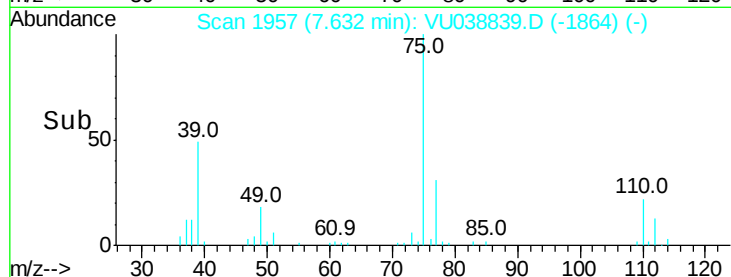
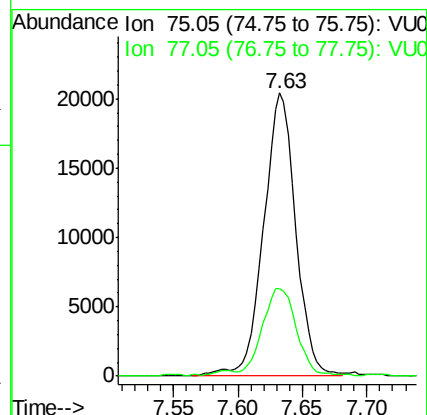
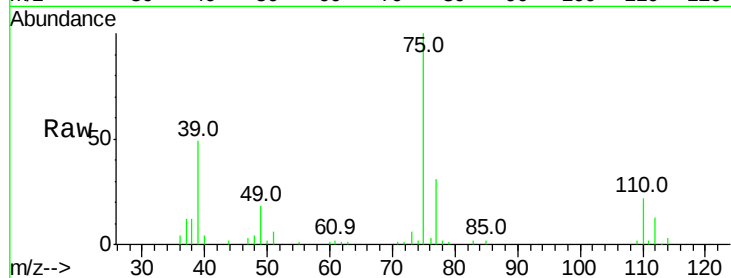




#39
 cis-1,3-Dichloropropene
 Concen: 1.061 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. -0.00 min
 Lab File: VU038839.D
 Acq: 12 Jun 2020 09:33

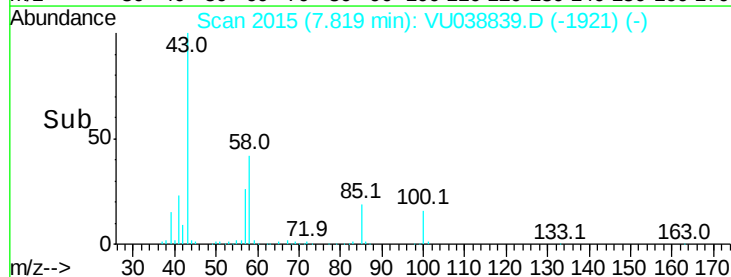
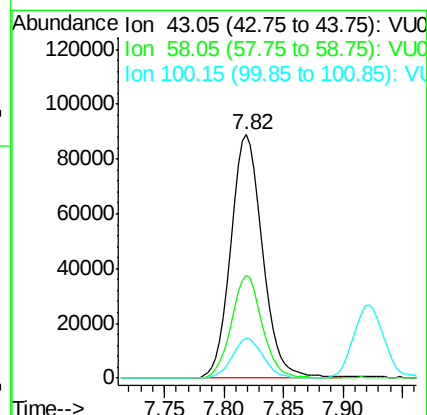
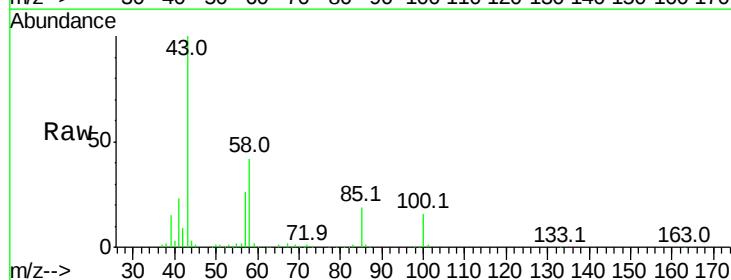
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

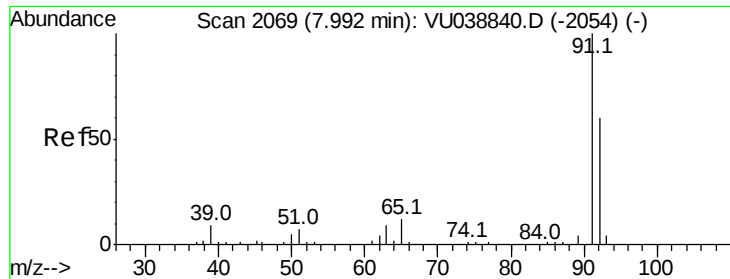
Tgt Ion: 75 Resp: 35545
 Ion Ratio Lower Upper
 75 100
 77 31.1 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 10.150 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. 0.00 min
 Lab File: VU038839.D
 Acq: 12 Jun 2020 09:33

Tgt Ion: 43 Resp: 164476
 Ion Ratio Lower Upper
 43 100
 58 40.9 33.4 50.0
 100 15.8 13.5 20.3





#42

Toluene

Concen: 1.105 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU038839.D

Acq: 12 Jun 2020 09:33

Instrument :

MSVOA_U

ClientSampleId :

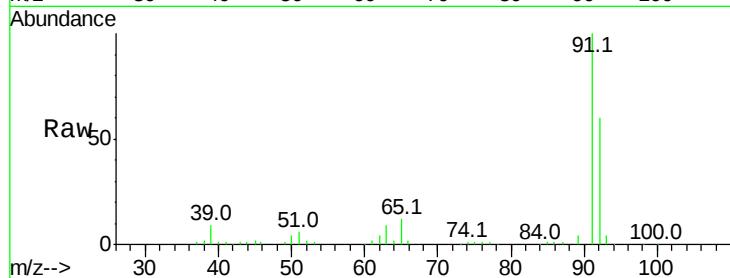
VSTD00103

Tgt Ion: 91 Resp: 104344

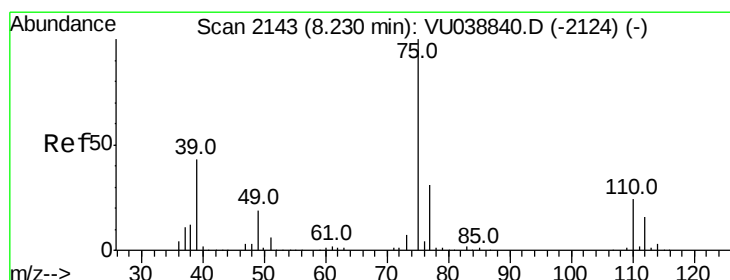
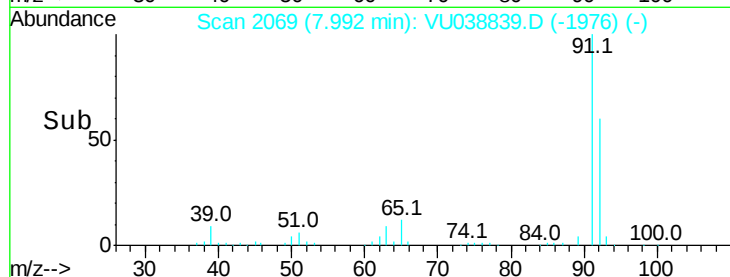
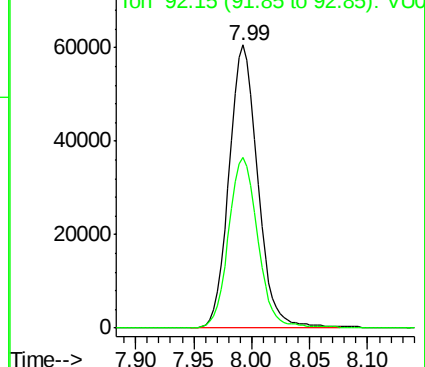
Ion Ratio Lower Upper

91 100

92 60.2 42.4 78.6



Abundance Ion 91.15 (90.85 to 91.85): VU038840.D (-2054) (-)



#44

trans-1,3-Dichloropropene

Concen: 1.068 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU038839.D

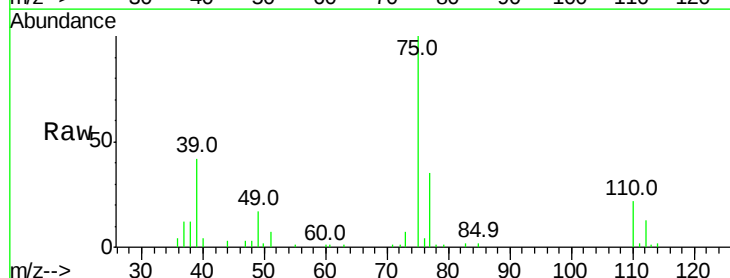
Acq: 12 Jun 2020 09:33

Tgt Ion: 75 Resp: 31602

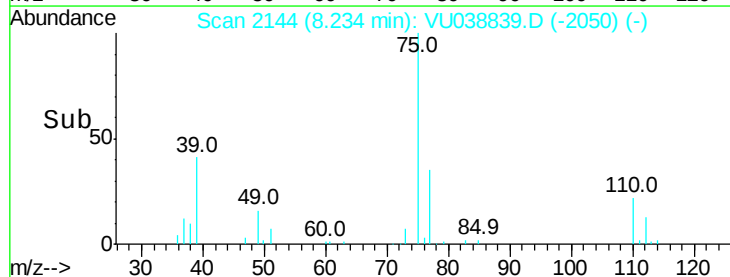
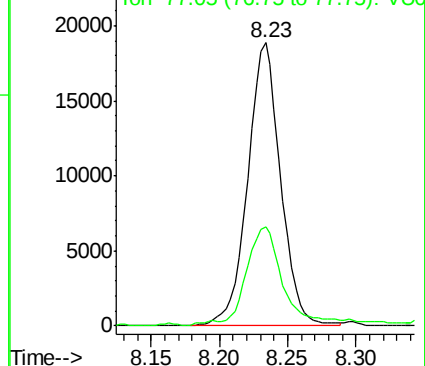
Ion Ratio Lower Upper

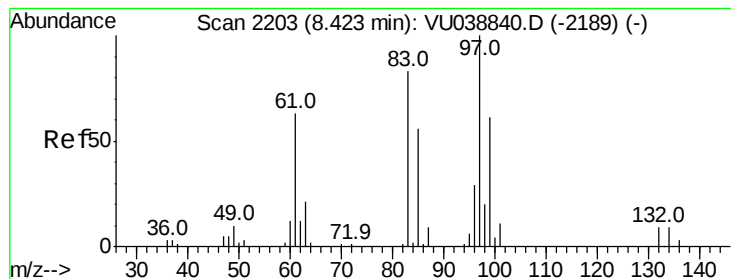
75 100

77 34.8 21.9 40.7



Abundance Ion 75.05 (74.75 to 75.75): VU038840.D (-2124) (-)





#45

1,1,2-Trichloroethane

Concen: 1.124 ug/L

RT: 8.42 min Scan# 2203

Delta R.T. -0.00 min

Lab File: VU038839.D

Acq: 12 Jun 2020 09:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD00103

Tgt Ion: 97 Resp: 19214

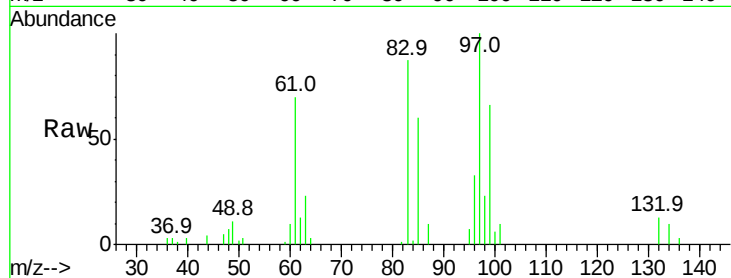
Ion Ratio Lower Upper

97 100

99 65.6 42.9 79.7

83 86.5 58.0 107.8

85 59.9 39.3 72.9



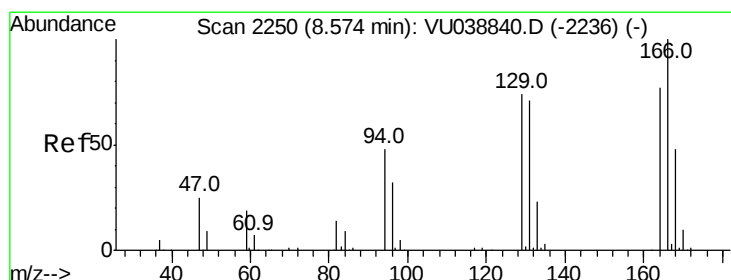
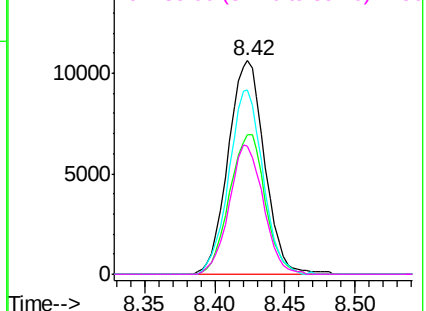
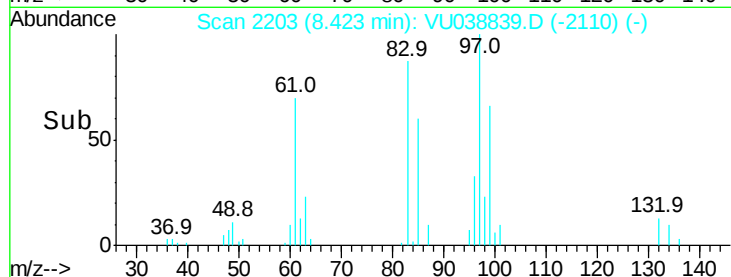
Abundance

Ion 96.95 (96.65 to 97.65): VU038839.D (-2110) (-)

Ion 99.05 (98.75 to 99.75): VU038839.D (-2110) (-)

Ion 82.95 (82.65 to 83.65): VU038839.D (-2110) (-)

Ion 85.00 (84.70 to 85.70): VU038839.D (-2110) (-)



#47

Tetrachloroethene

Concen: 1.230 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU038839.D

Acq: 12 Jun 2020 09:33

Tgt Ion: 164 Resp: 20890

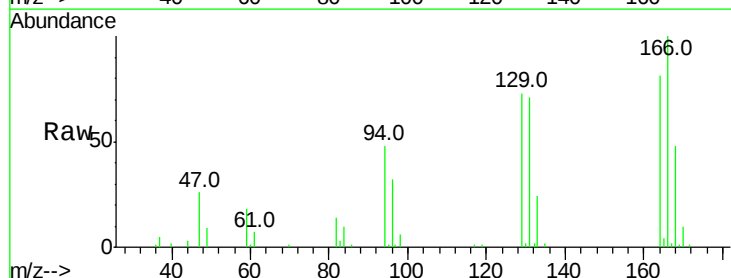
Ion Ratio Lower Upper

164 100

129 90.1 67.3 124.9

131 87.4 65.0 120.6

166 123.9 91.0 169.0



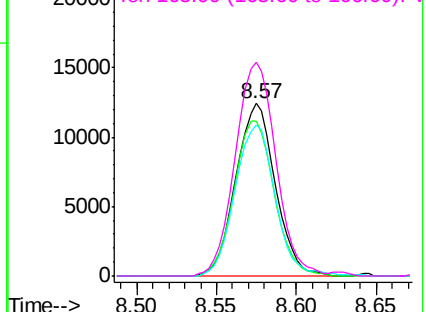
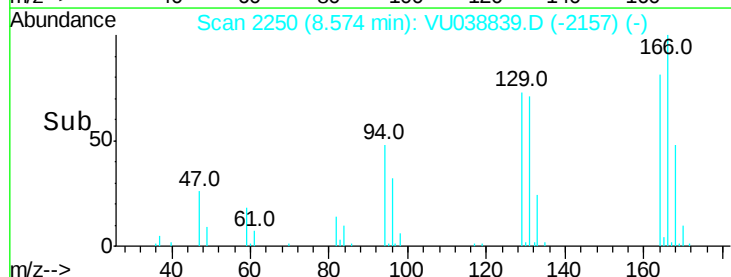
Abundance

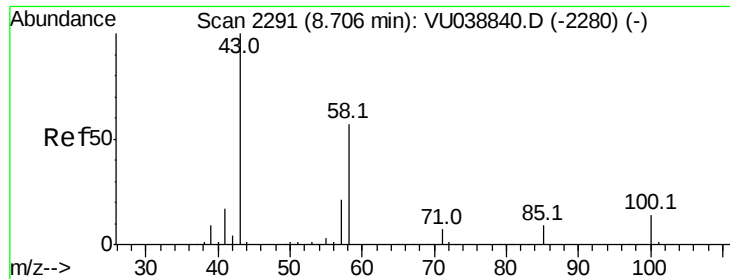
Ion 163.90 (163.60 to 164.60): VU038839.D (-2157) (-)

Ion 128.95 (128.65 to 129.65): VU038839.D (-2157) (-)

Ion 130.95 (130.65 to 131.65): VU038839.D (-2157) (-)

Ion 165.90 (165.60 to 166.60): VU038839.D (-2157) (-)

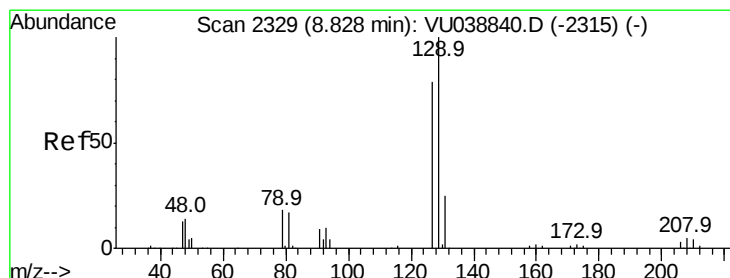
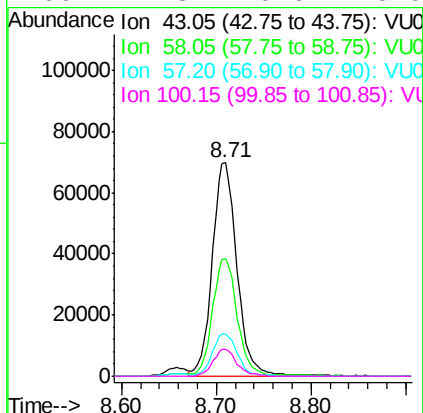
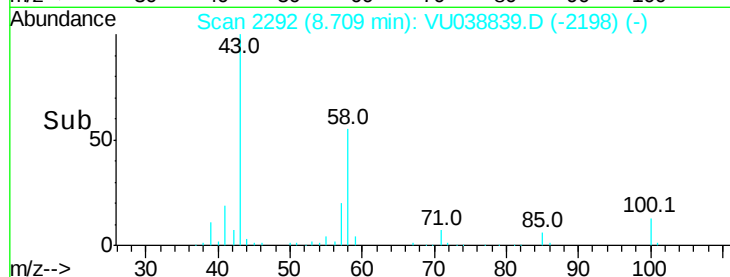
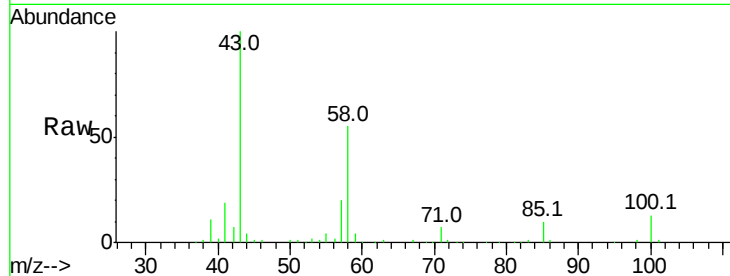




#48
2-Hexanone
Concen: 10.294 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU038839.D
Acq: 12 Jun 2020 09:33

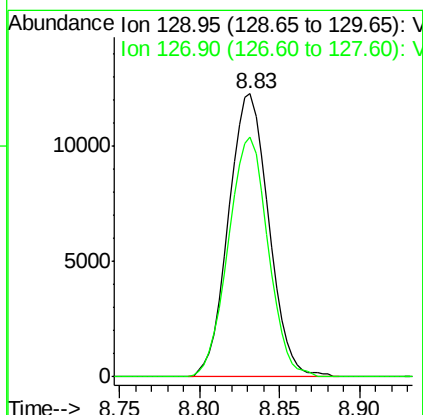
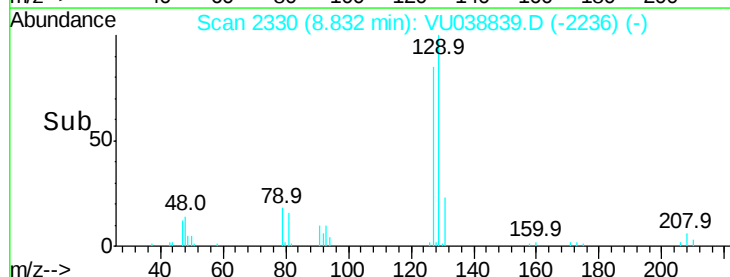
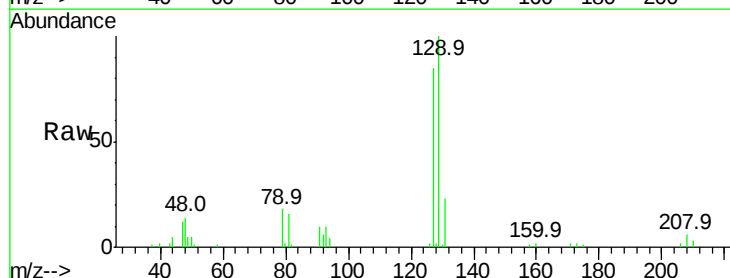
Instrument :
MSVOA_U
ClientSampleId :
VSTD00103

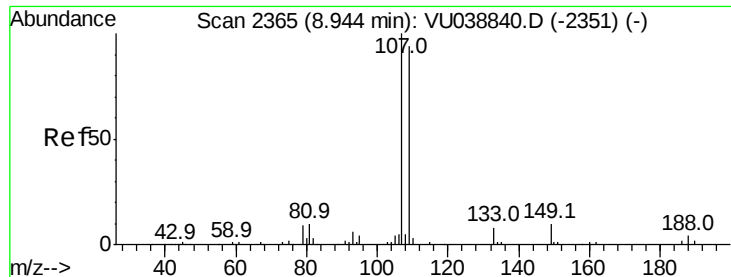
Tgt Ion: 43 Resp: 126334
Ion Ratio Lower Upper
43 100
58 53.9 44.8 67.2
57 20.3 16.2 24.2
100 12.3 10.6 16.0



#49
Dibromochloromethane
Concen: 1.140 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU038839.D
Acq: 12 Jun 2020 09:33

Tgt Ion: 129 Resp: 21044
Ion Ratio Lower Upper
129 100
127 84.5 55.5 103.1

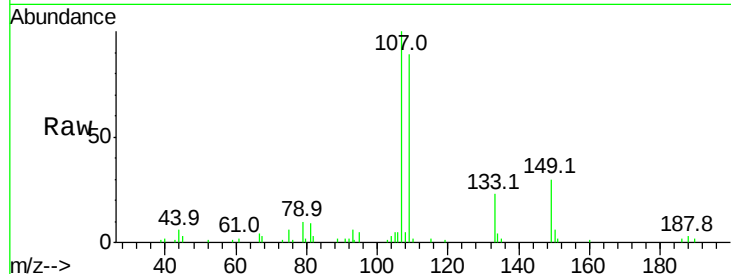




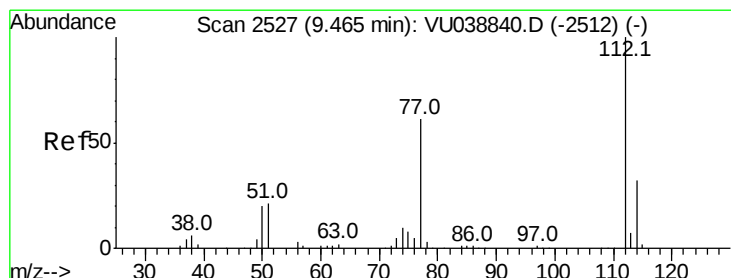
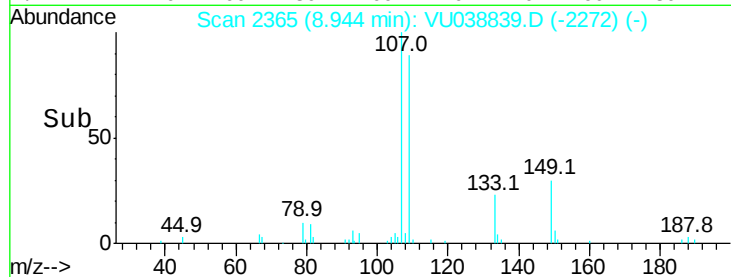
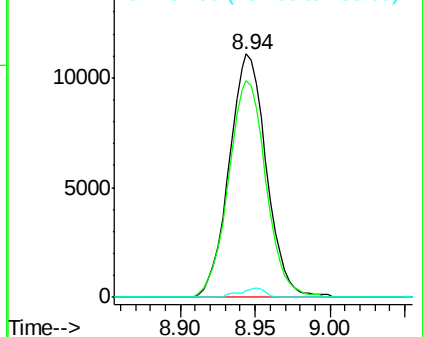
#50
1,2-Dibromoethane
Concen: 1.172 ug/L
RT: 8.94 min Scan# 2365
Delta R.T. -0.00 min
Lab File: VU038839.D
Acq: 12 Jun 2020 09:33

Instrument :
MSVOA_U
ClientSampleId :
VSTD00103

Tgt Ion:107 Resp: 19190
Ion Ratio Lower Upper
107 100
109 88.9 65.5 121.7
188 2.7 3.0 4.6#

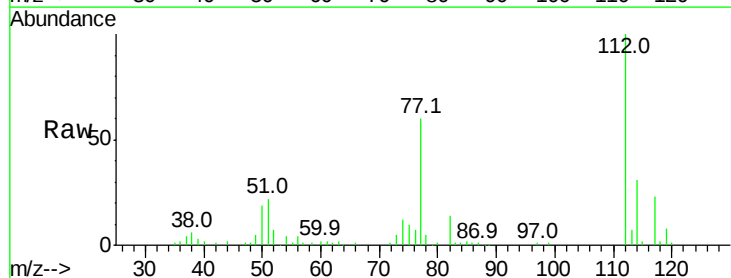


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

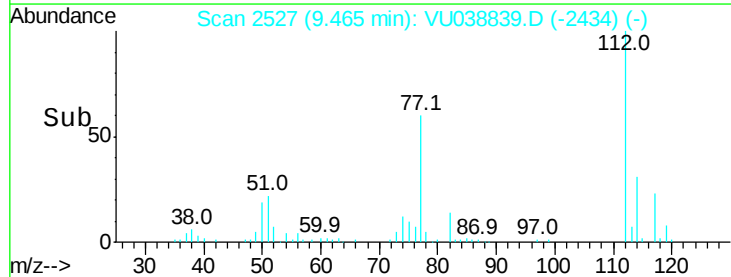
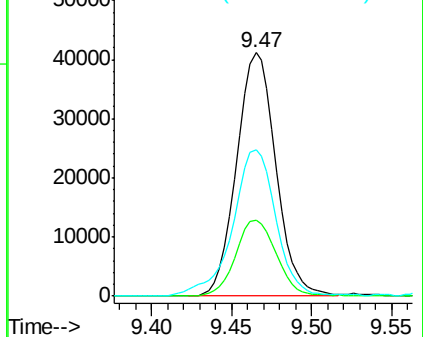


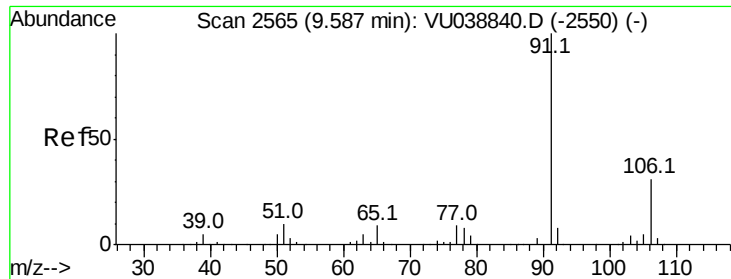
#51
Chlorobenzene
Concen: 1.130 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. -0.00 min
Lab File: VU038839.D
Acq: 12 Jun 2020 09:33

Tgt Ion:112 Resp: 68855
Ion Ratio Lower Upper
112 100
114 31.2 22.5 41.9
77 60.2 49.3 73.9



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: 1.067 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU038839.D

Acq: 12 Jun 2020 09:33

Instrument :

MSVOA_U

ClientSampleId :

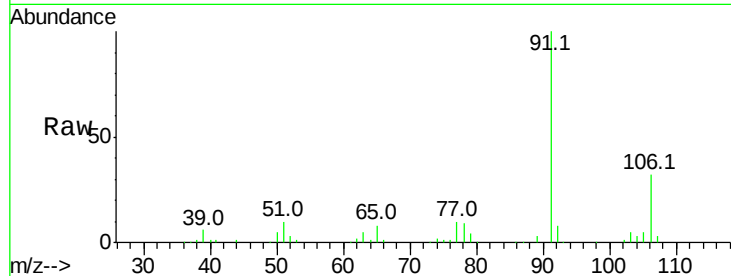
VSTD00103

Tgt Ion: 91 Resp: 112129

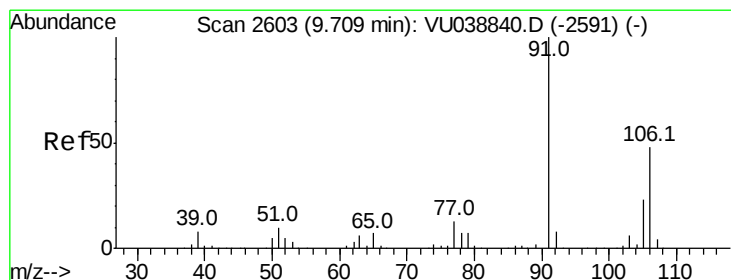
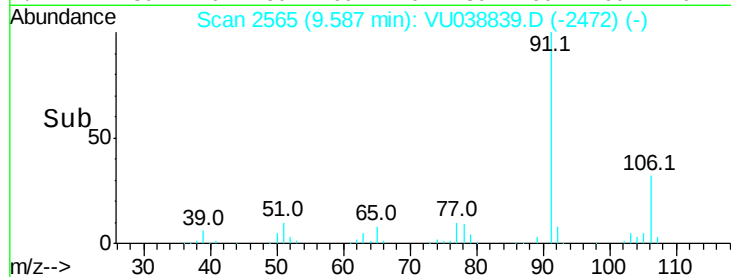
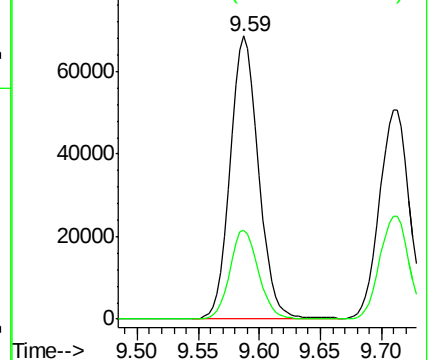
Ion Ratio Lower Upper

91 100

106 31.6 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VU038840.D (-2550) (-)



#53

m,p-Xylene

Concen: 1.030 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VU038839.D

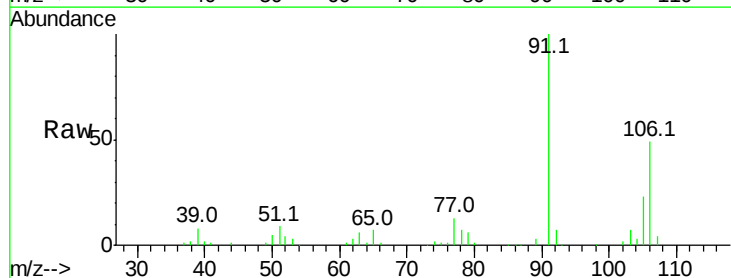
Acq: 12 Jun 2020 09:33

Tgt Ion: 106 Resp: 41612

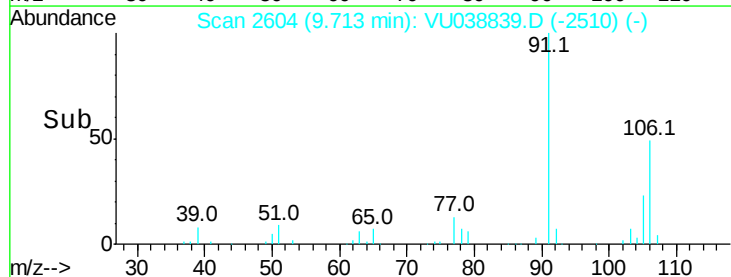
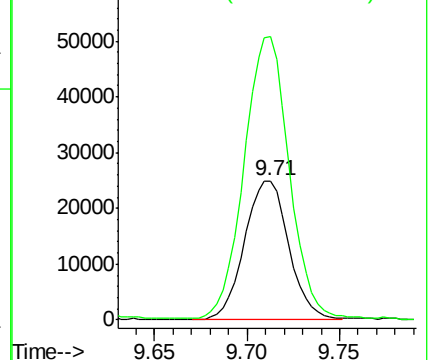
Ion Ratio Lower Upper

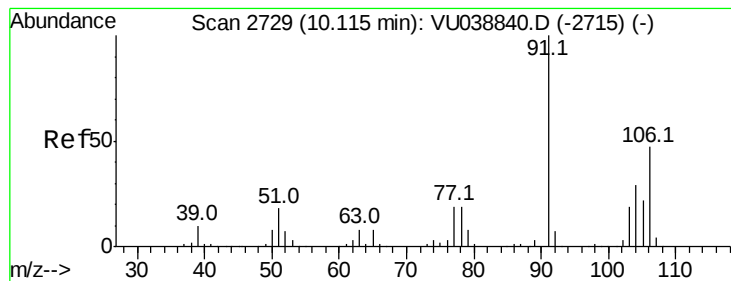
106 100

91 203.6 145.0 269.4



Abundance Ion 106.15 (105.85 to 106.85): VU038840.D (-2591) (-)





#54

o-Xylene

Concen: 1.042 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VU038839.D

Acq: 12 Jun 2020 09:33

Instrument :

MSVOA_U

ClientSampleId :

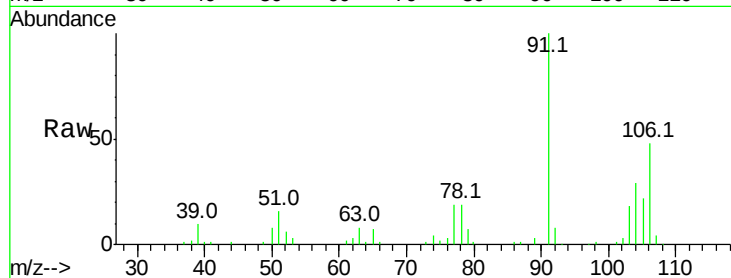
VSTD00103

Tgt Ion:106 Resp: 40423

Ion Ratio Lower Upper

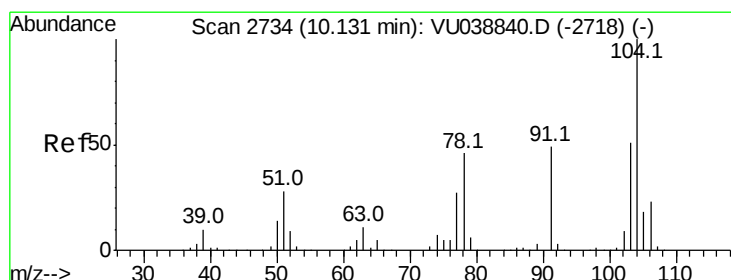
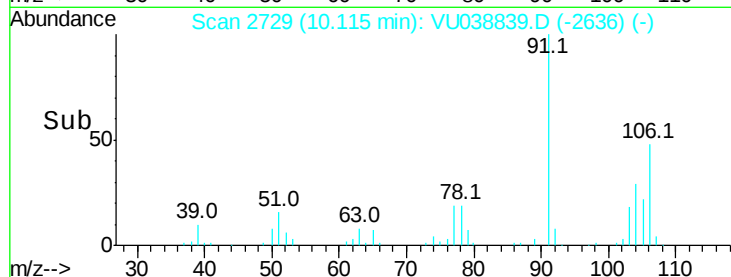
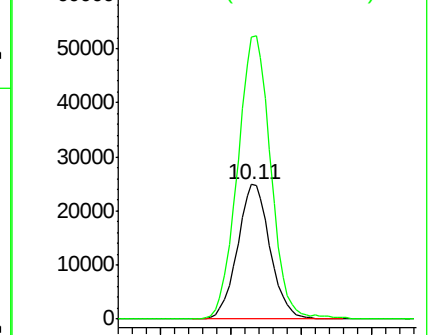
106 100

91 209.5 149.1 276.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 1.018 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VU038839.D

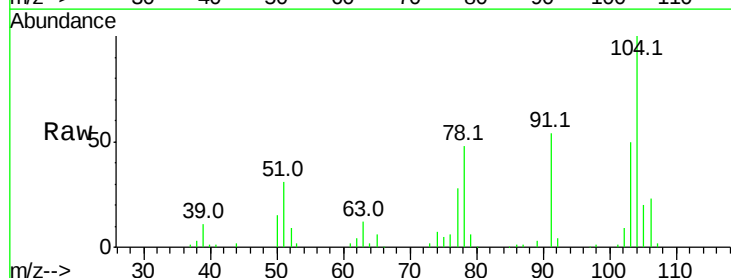
Acq: 12 Jun 2020 09:33

Tgt Ion:104 Resp: 67040

Ion Ratio Lower Upper

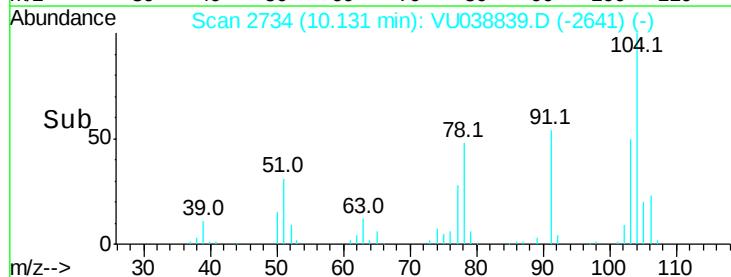
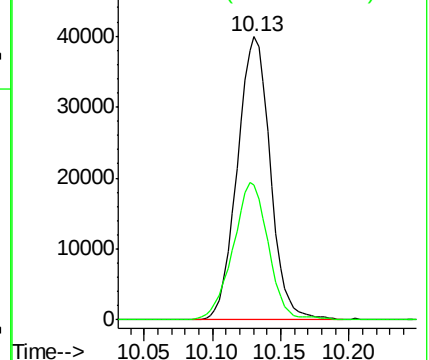
104 100

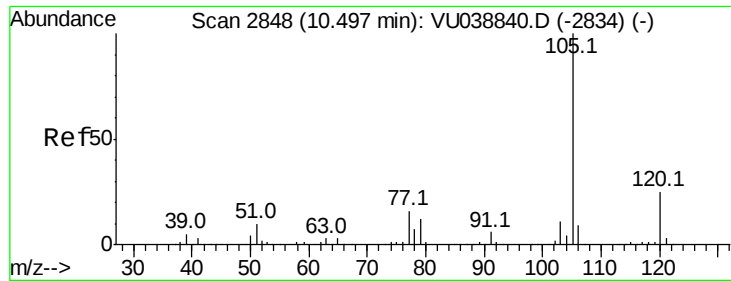
78 47.8 32.1 59.7



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 1.066 ug/L

RT: 10.50 min Scan# 2848

Delta R.T. 0.00 min

Lab File: VU038839.D

Acq: 12 Jun 2020 09:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD00103

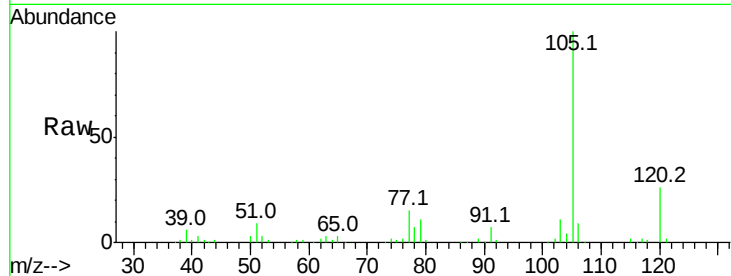
Tgt Ion: 105 Resp: 108849

Ion Ratio Lower Upper

105 100

120 25.9 20.6 30.8

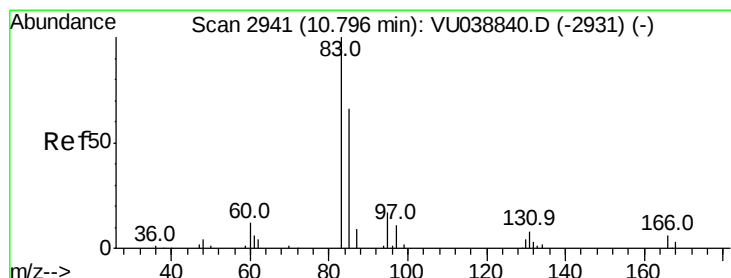
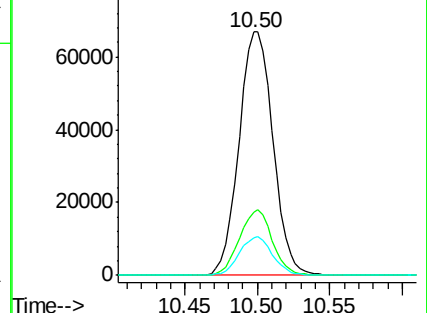
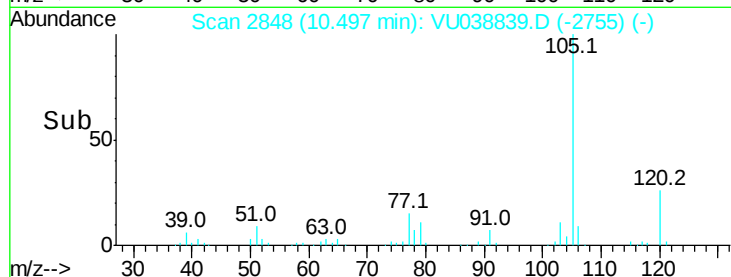
77 15.6 12.8 19.2



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: 1.083 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. -0.00 min

Lab File: VU038839.D

Acq: 12 Jun 2020 09:33

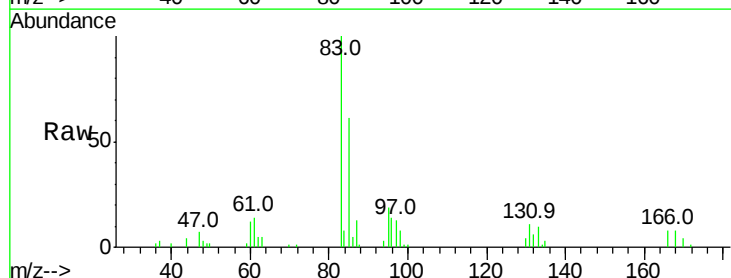
Tgt Ion: 83 Resp: 23531

Ion Ratio Lower Upper

83 100

85 60.8 46.5 86.3

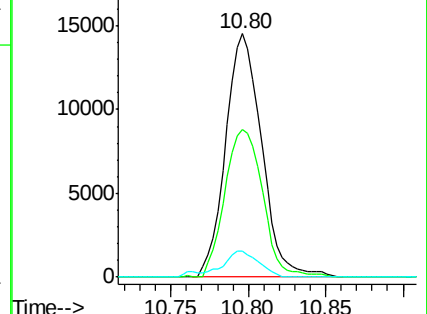
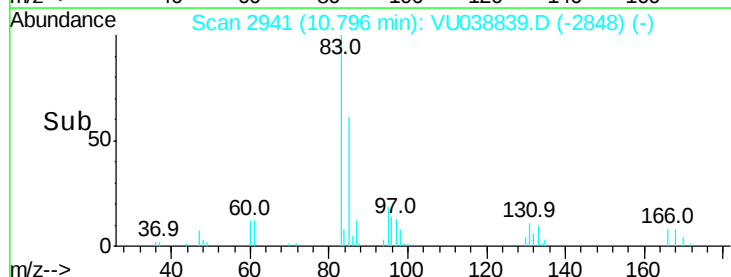
131 10.6 7.2 10.8

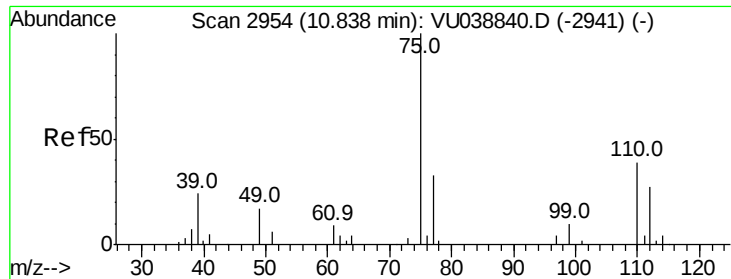


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 1.126 ug/L

RT: 10.84 min Scan# 2954

Delta R.T. -0.00 min

Lab File: VU038839.D

Acq: 12 Jun 2020 09:33

Instrument :

MSVOA_U

ClientSampleId :

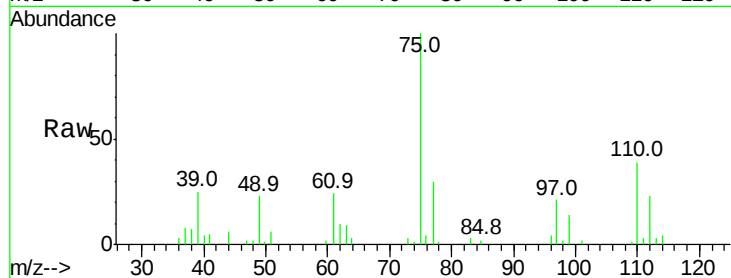
VSTD00103

Tgt Ion: 75 Resp: 19049

Ion Ratio Lower Upper

75 100

77 31.9 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VU038840.D (-2941) (-)

Ion 77.00 (76.70 to 77.70): VU038840.D (-2941) (-)

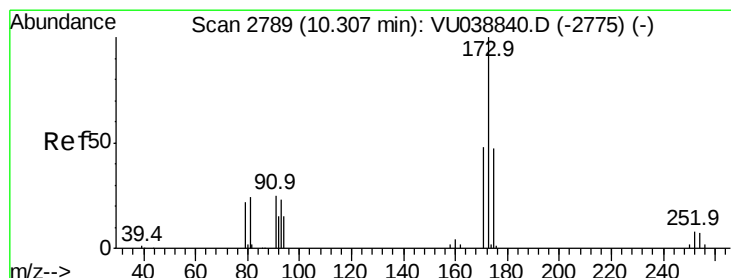
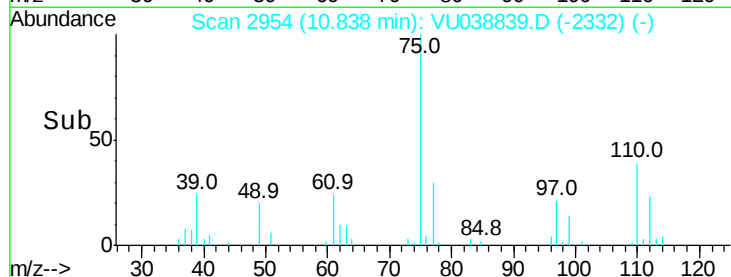
10.84

10000

5000

0

Time-->



#61

Bromoform

Concen: 1.190 ug/L

RT: 10.31 min Scan# 2789

Delta R.T. -0.00 min

Lab File: VU038839.D

Acq: 12 Jun 2020 09:33

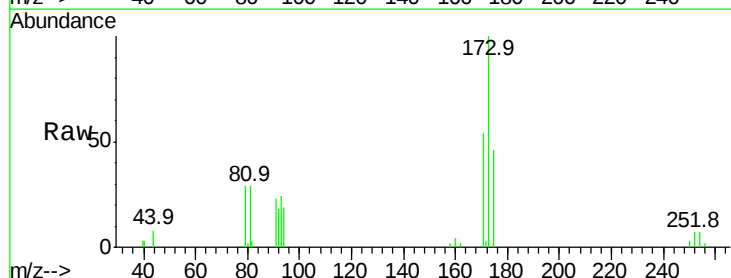
Tgt Ion: 173 Resp: 11926

Ion Ratio Lower Upper

173 100

175 46.4 38.3 57.5

254 7.0 6.0 9.0



Abundance Ion 172.90 (172.60 to 173.60): VU038840.D (-2775) (-)

Ion 174.90 (174.60 to 175.60): VU038840.D (-2775) (-)

Ion 253.75 (253.45 to 254.45): VU038840.D (-2775) (-)

10.31

8000

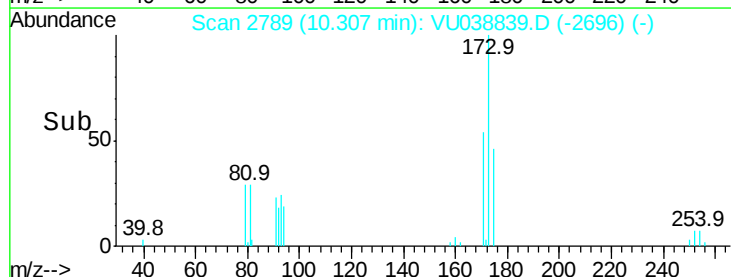
6000

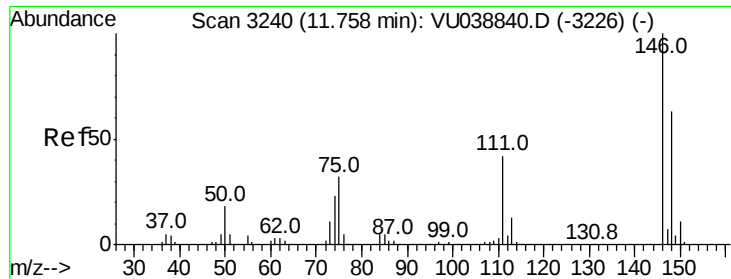
4000

2000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 1.154 ug/L

RT: 11.76 min Scan# 3240

Delta R.T. 0.00 min

Lab File: VU038839.D

Acq: 12 Jun 2020 09:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD00103

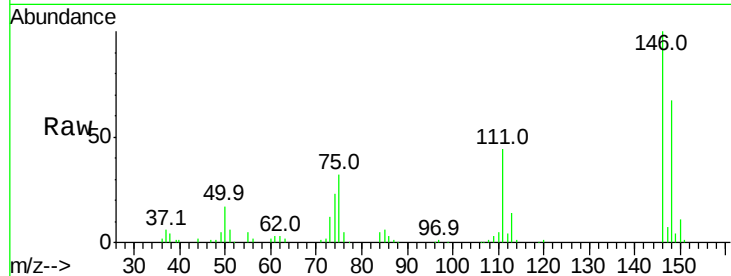
Tgt Ion:146 Resp: 54548

Ion Ratio Lower Upper

146 100

111 43.8 29.5 54.9

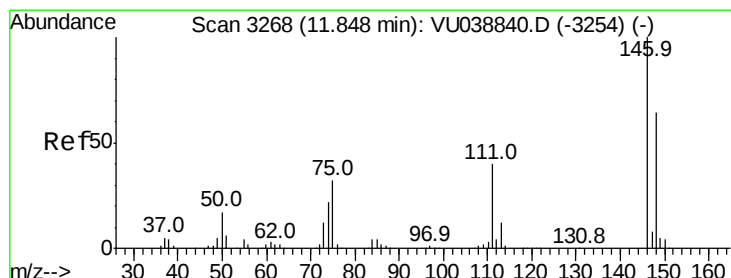
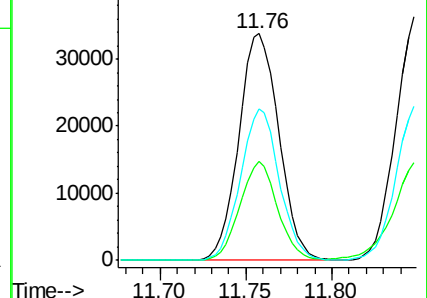
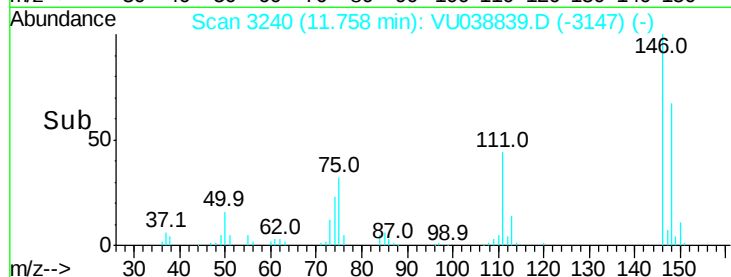
148 67.1 43.8 81.3



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: 1.188 ug/L

RT: 11.85 min Scan# 3268

Delta R.T. -0.00 min

Lab File: VU038839.D

Acq: 12 Jun 2020 09:33

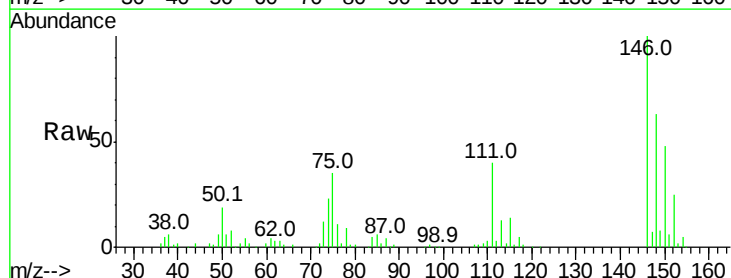
Tgt Ion:146 Resp: 56911

Ion Ratio Lower Upper

146 100

111 40.0 27.9 51.9

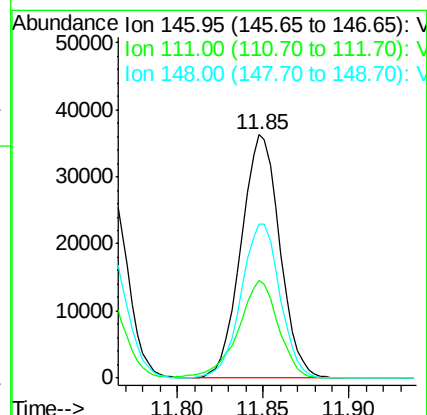
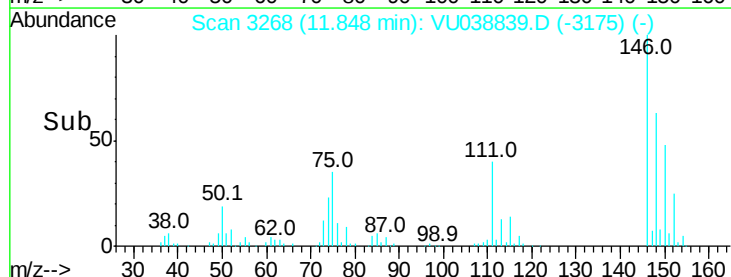
148 63.1 44.6 82.8

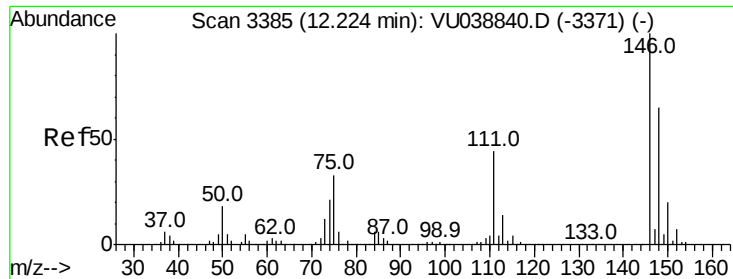


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 1.138 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. -0.00 min

Lab File: VU038839.D

Acq: 12 Jun 2020 09:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD00103

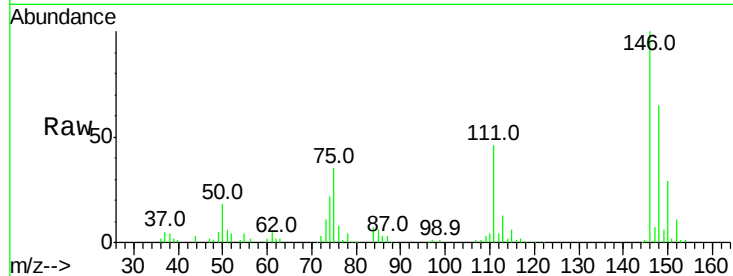
Tgt Ion:146 Resp: 51054

Ion Ratio Lower Upper

146 100

111 46.1 35.6 53.4

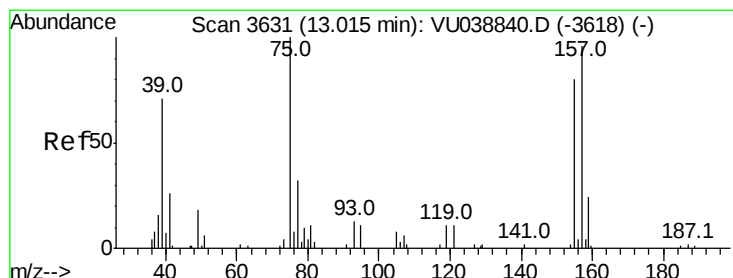
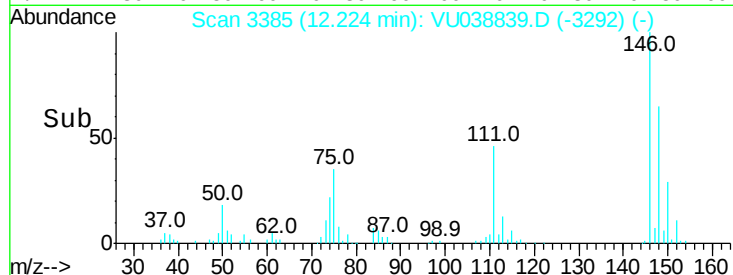
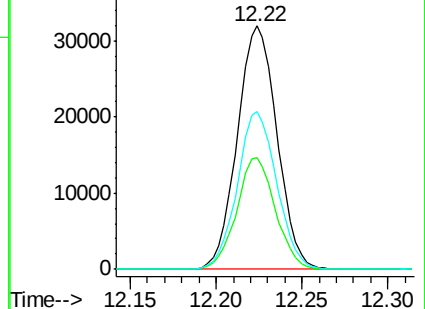
148 64.9 51.8 77.8



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: 1.152 ug/L

RT: 13.01 min Scan# 3631

Delta R.T. 0.00 min

Lab File: VU038839.D

Acq: 12 Jun 2020 09:33

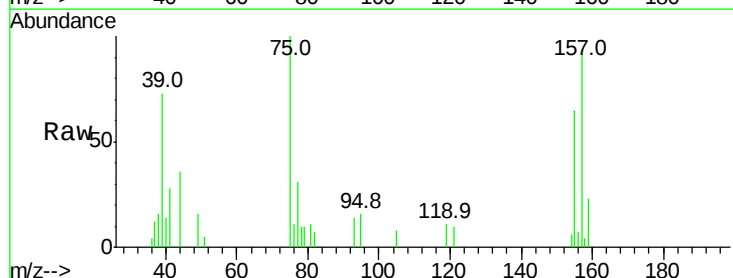
Tgt Ion: 75 Resp: 4184

Ion Ratio Lower Upper

75 100

155 64.7 63.7 95.5

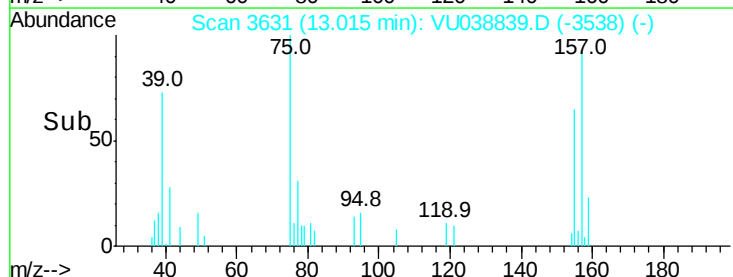
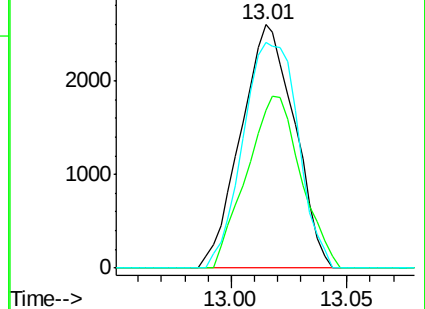
157 92.5 77.1 115.7

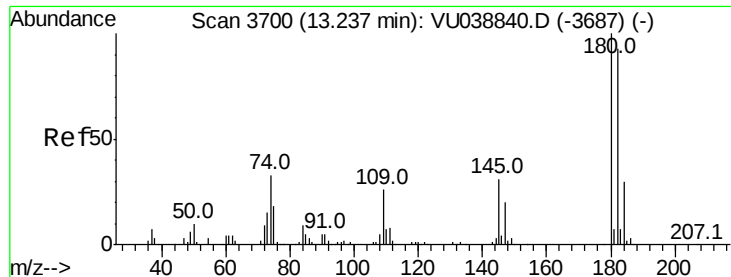


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

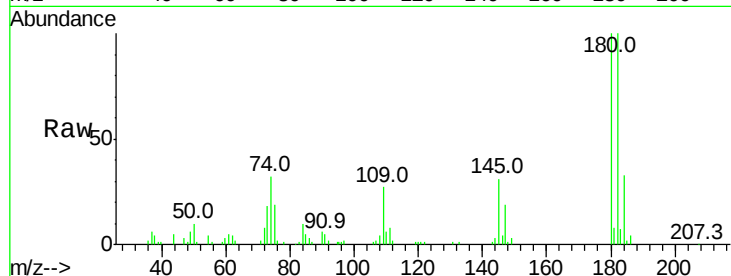




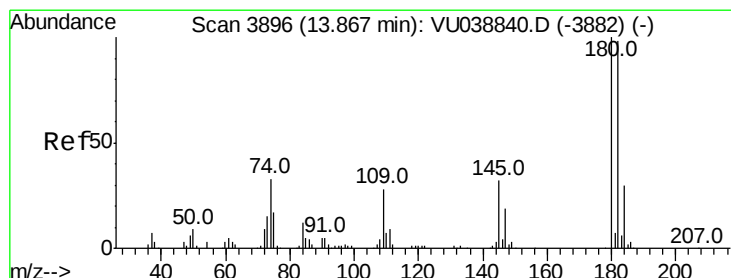
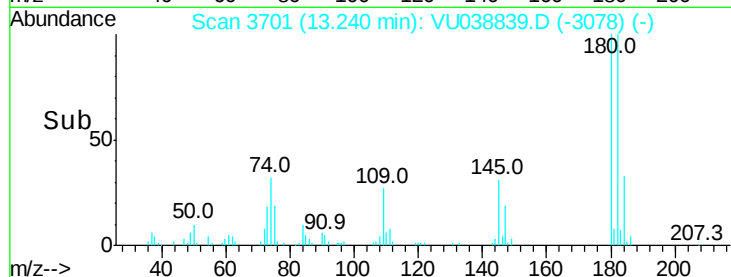
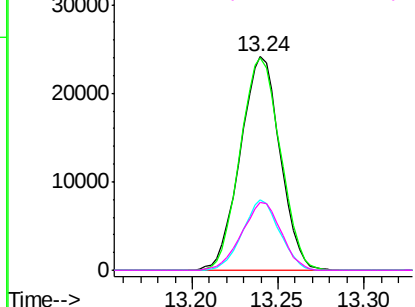
#67
 1,3,5-Trichlorobenzene
 Concen: 1.096 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU038839.D
 Acq: 12 Jun 2020 09:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

Tgt Ion:180 Resp: 38639
 Ion Ratio Lower Upper
 180 100
 182 100.6 75.0 112.4
 184 30.8 23.7 35.5
 145 31.4 24.6 36.8

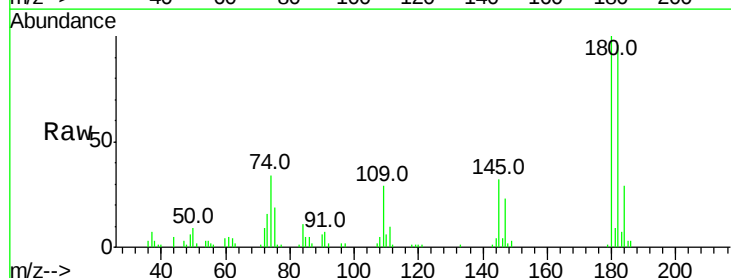


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

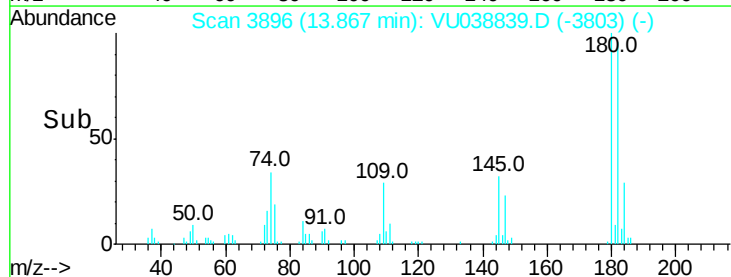
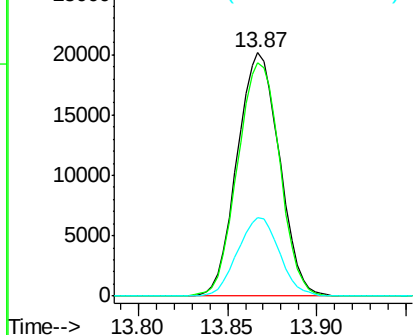


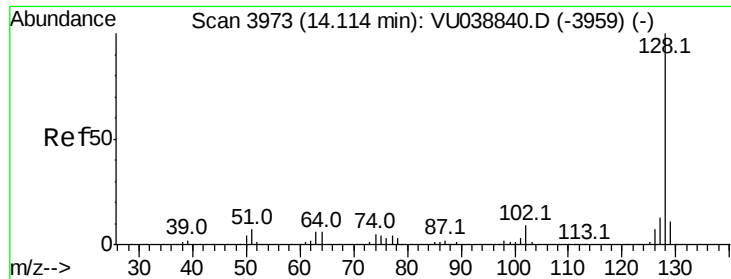
#68
 1,2,4-trichlorobenzene
 Concen: 1.022 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. -0.00 min
 Lab File: VU038839.D
 Acq: 12 Jun 2020 09:33

Tgt Ion:180 Resp: 33354
 Ion Ratio Lower Upper
 180 100
 182 95.9 78.5 117.7
 145 31.9 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: 0.917 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. 0.00 min

Lab File: VU038839.D

Acq: 12 Jun 2020 09:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD00103

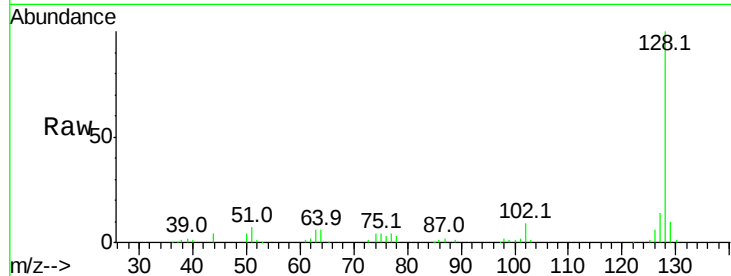
Tgt Ion:128 Resp: 59549

Ion Ratio Lower Upper

128 100

129 10.8 8.9 13.3

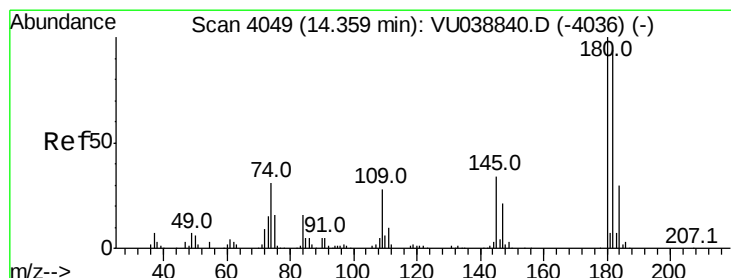
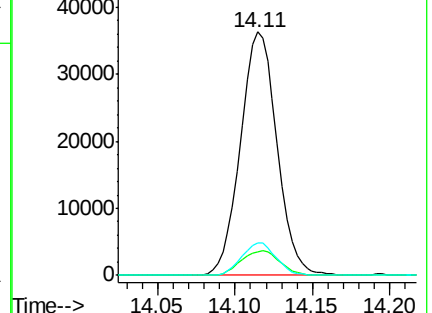
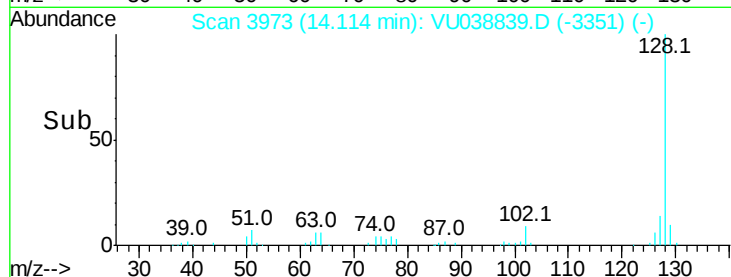
127 12.7 10.5 15.7



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: 1.012 ug/L

RT: 14.36 min Scan# 4050

Delta R.T. 0.00 min

Lab File: VU038839.D

Acq: 12 Jun 2020 09:33

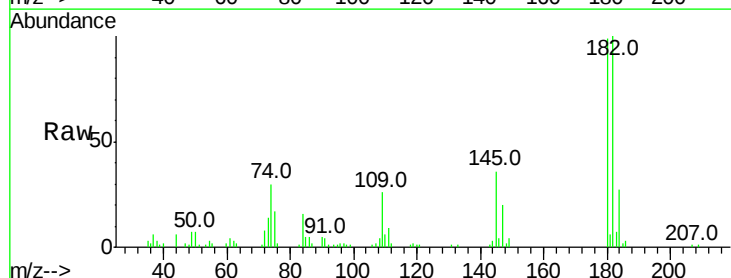
Tgt Ion:180 Resp: 30041

Ion Ratio Lower Upper

180 100

182 102.4 76.1 114.1

145 34.8 27.8 41.6



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

