

Data File : VU039182.D
Acq On : 29 Jun 2020 10:44
Operator : SY/MD
Sample : VSTD010
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD01005

Quant Time: Jun 29 11:03:25 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062920WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Jun 29 10:40:23 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	249033	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.43	117	247579	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	126322	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	217474	11.93	ug/L	0.00
7) Chloroethane-d5	1.93	69	169402	11.24	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	407258	11.62	ug/L	0.00
20) 2-Butanone-d5	4.68	46	708499	107.65	ug/L	0.00
24) Chloroform-d	5.10	84	397557	11.09	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	232477	10.54	ug/L	0.00
32) Benzene-d6	5.76	84	762459	11.11	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	240134	10.41	ug/L	0.00
41) Toluene-d8	7.92	98	682776	11.89	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	115855	11.55	ug/L	0.00
46) 2-Hexanone-d5	8.65	63	588393	113.70	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	220796	10.30	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.20	152	251982	10.71	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.39	85	226897	10.181	ug/L	99
3) Chloromethane	1.53	50	229334	9.561	ug/L	99
5) Vinyl chloride	1.62	62	233424	9.649	ug/L	97
6) Bromomethane	1.88	94	129820	9.968	ug/L	98
8) Chloroethane	1.95	64	143474	9.840	ug/L	95
9) Trichlorofluoromethane	2.16	101	319466	10.315	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	177506	9.846	ug/L	99
12) 1,1-Dichloroethene	2.60	96	174649	10.126	ug/L	95
13) Acetone	2.68	43	398647	89.196	ug/L	98
14) Carbon disulfide	2.82	76	603535	10.495	ug/L	99
15) Methyl Acetate	2.99	43	98700	9.302	ug/L	99
16) Methylene chloride	3.08	84	191693	9.009	ug/L	97
17) Methyl tert-butyl Ether	3.40	73	488975	9.959	ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	183409	9.938	ug/L	98
19) 1,1-Dichloroethane	3.91	63	353781	9.643	ug/L	99
21) 2-Butanone	4.75	43	672253	98.933	ug/L	100
22) cis-1,2-Dichloroethene	4.71	96	194059	9.744	ug/L	96
23) Bromochloromethane	5.01	128	90036	9.824	ug/L	98
25) Chloroform	5.12	83	351874	9.547	ug/L	100
27) 1,2-Dichloroethane	5.83	62	258916	9.858	ug/L	99
29) 1,1,1-Trichloroethane	5.35	97	310187	10.039	ug/L	99
30) Cyclohexane	5.42	56	310314	10.794	ug/L	96
31) Carbon tetrachloride	5.56	117	260303	10.117	ug/L	100
33) Benzene	5.81	78	764272	9.825	ug/L	100
34) Trichloroethene	6.57	95	191490	10.177	ug/L	95
35) Methylcyclohexane	6.79	83	314043	11.248	ug/L	98
37) 1,2-Dichloropropane	6.82	63	202246	9.597	ug/L	99
38) Bromodichloromethane	7.13	83	256118	9.748	ug/L	98
39) cis-1,3-Dichloropropene	7.63	75	307239	10.518	ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	1560662	99.219	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.99	91	796388	10.314	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	283444	10.370	ug/L	98
45) 1,1,2-Trichloroethane	8.42	97	151203	9.654	ug/L	99
47) Tetrachloroethene	8.57	164	139202	10.265	ug/L	97
48) 2-Hexanone	8.71	43	1184503	102.721	ug/L	100
49) Dibromochloromethane	8.83	129	174517	10.246	ug/L	99
50) 1,2-Dibromoethane	8.94	107	147553	9.964	ug/L	98
51) Chlorobenzene	9.47	112	488582	10.052	ug/L	97
52) Ethylbenzene	9.59	91	863393	10.638	ug/L	99
53) m,p-Xylene	9.71	106	329170	11.030	ug/L	98
54) o-Xylene	10.11	106	315664	11.011	ug/L	100
55) Styrene	10.13	104	563177	11.186	ug/L	99
56) Isopropylbenzene	10.50	105	832032	11.076	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	219486	10.480	ug/L	97
59) 1,2,3-Trichloropropane	10.84	75	149116	9.385	ug/L	99
61) Bromoform	10.31	173	101613	9.848	ug/L	98
62) 1,3-Dichlorobenzene	11.76	146	382184	10.175	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	386467	9.990	ug/L	98
65) 1,2-Dichlorobenzene	12.22	146	367298	9.752	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.01	75	37596	9.049	ug/L	90
67) 1,3,5-Trichlorobenzene	13.24	180	280214	10.080	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	257333	10.163	ug/L	99
69) Naphthalene	14.11	128	534141	9.888	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	248073	10.150	ug/L	98

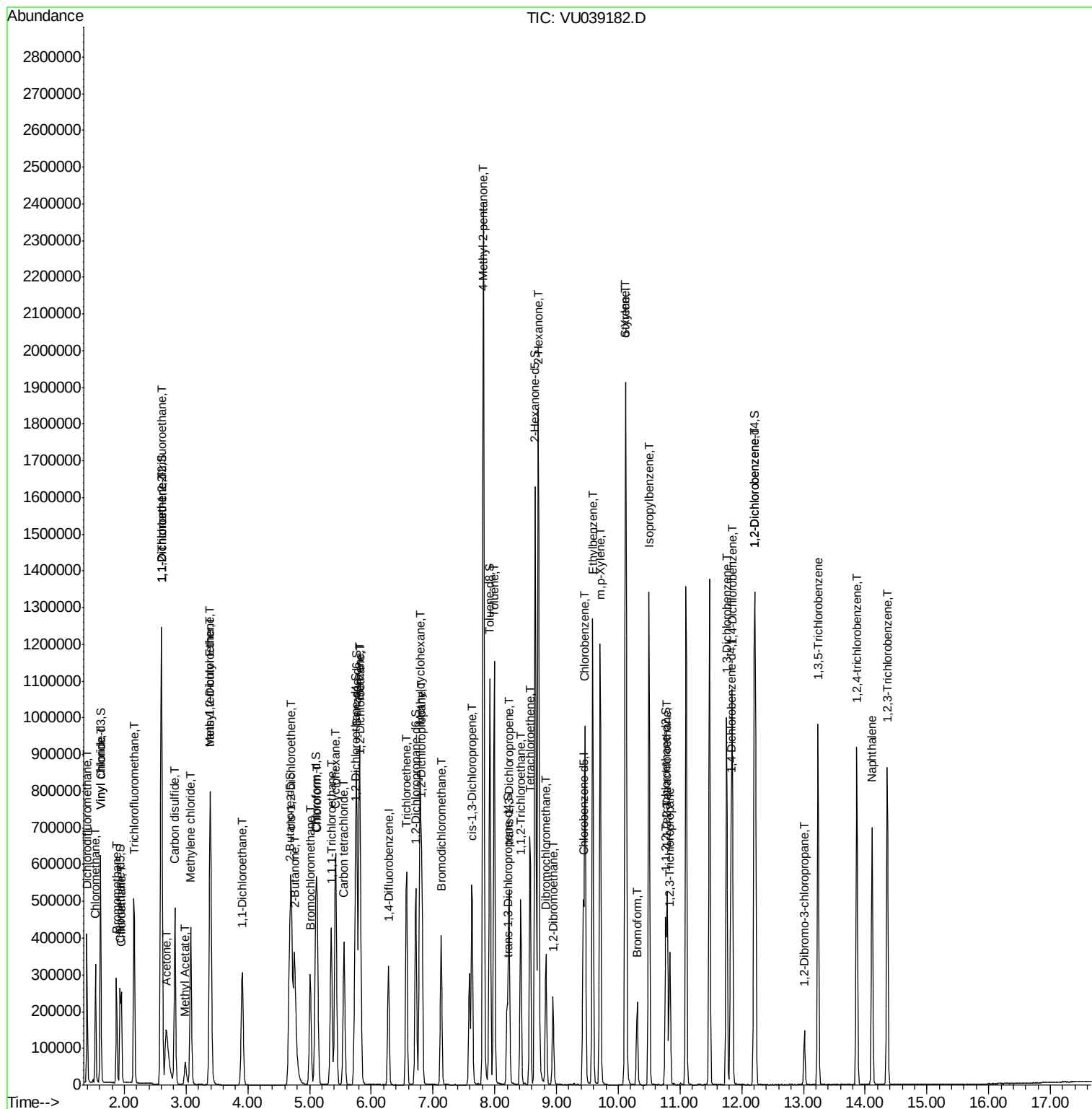
(#) = qualifier out of range (m) = manual integration (+) = signals summed

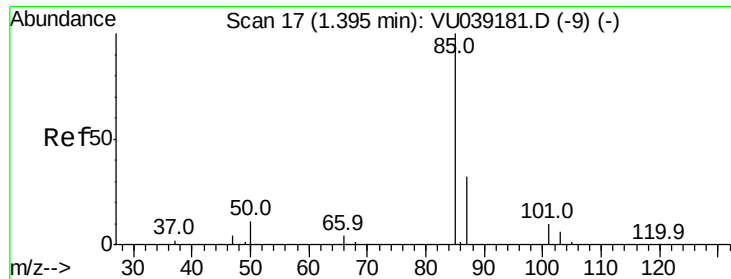
Data File : VU039182.D

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#2

Dichlorodifluoromethane

Concen: 10.181 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU039182.D

Acq: 29 Jun 2020 10:44

Instrument :

MSVOA_U

ClientSampleId :

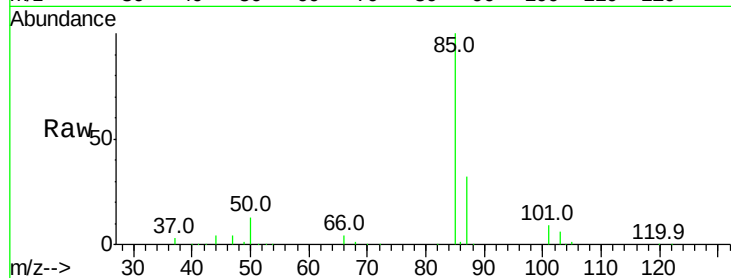
VSTD01005

Tgt Ion: 85 Resp: 226897

Ion Ratio Lower Upper

85 100

87 32.3 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU039182.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU039182.D (-9) (-)

1.39

250000

200000

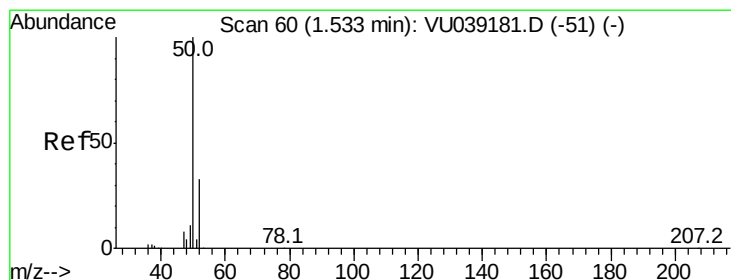
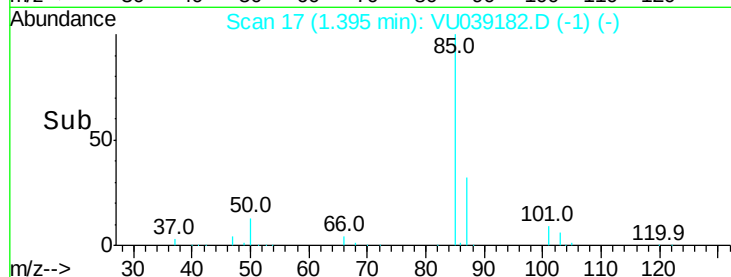
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 9.561 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU039182.D

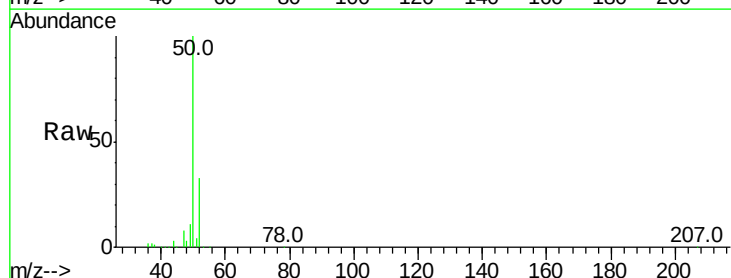
Acq: 29 Jun 2020 10:44

Tgt Ion: 50 Resp: 229334

Ion Ratio Lower Upper

50 100

52 33.3 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VU039182.D (-51) (-)

Ion 52.05 (51.75 to 52.75): VU039182.D (-51) (-)

1.53

200000

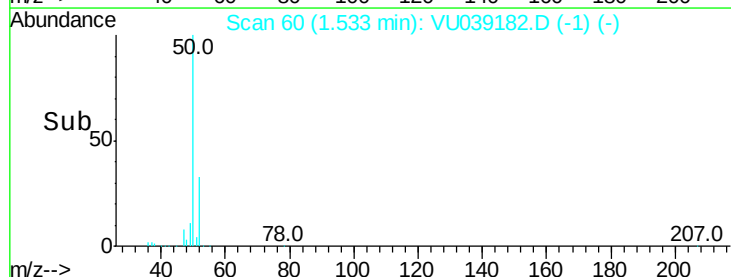
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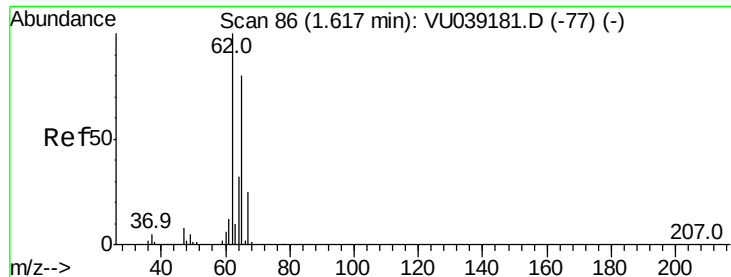
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 9.649 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU039182.D

Acq: 29 Jun 2020 10:44

Instrument :

MSVOA_U

ClientSampleId :

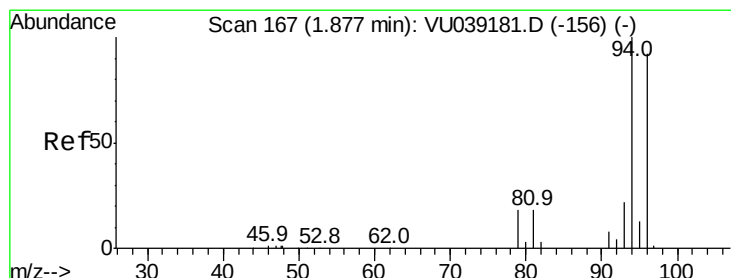
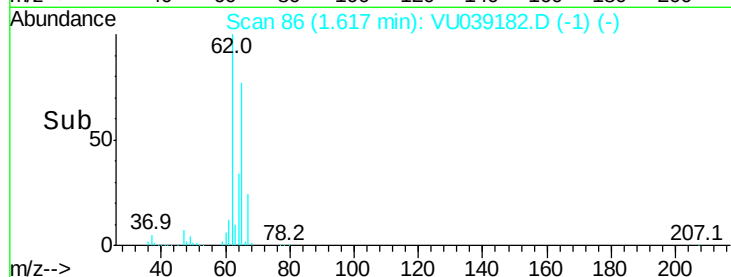
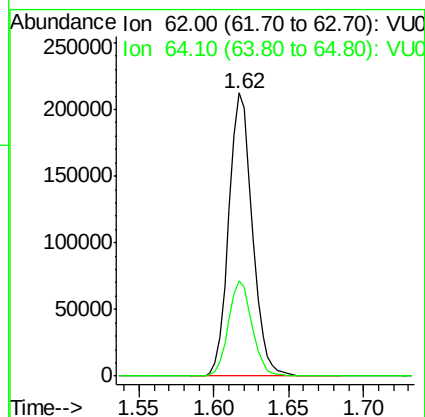
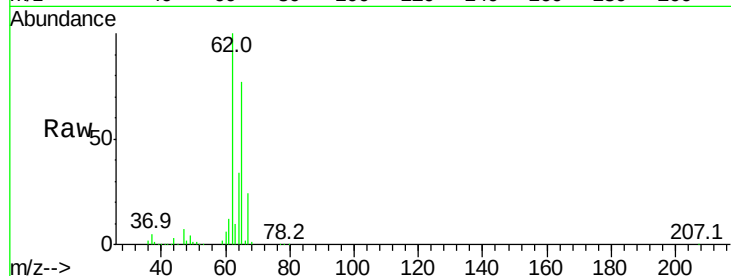
VSTD01005

Tgt Ion: 62 Resp: 233424

Ion Ratio Lower Upper

62 100

64 33.5 22.3 41.3



#6

Bromomethane

Concen: 9.968 ug/L

RT: 1.88 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU039182.D

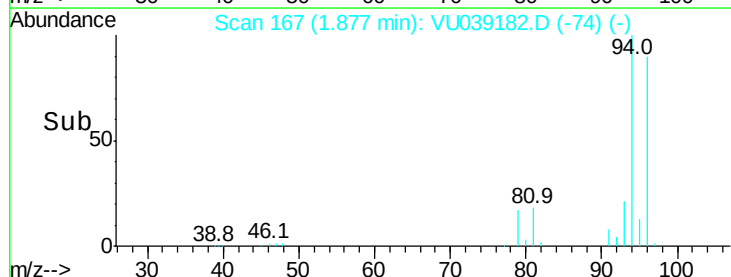
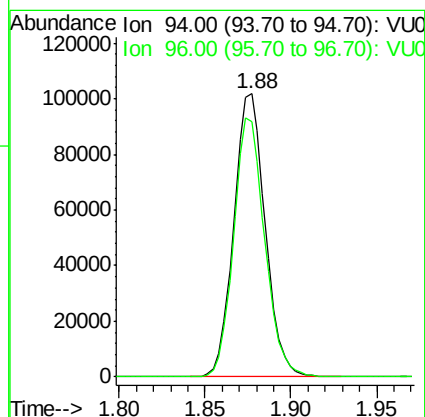
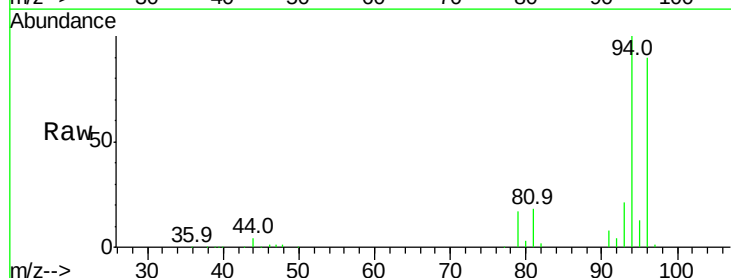
Acq: 29 Jun 2020 10:44

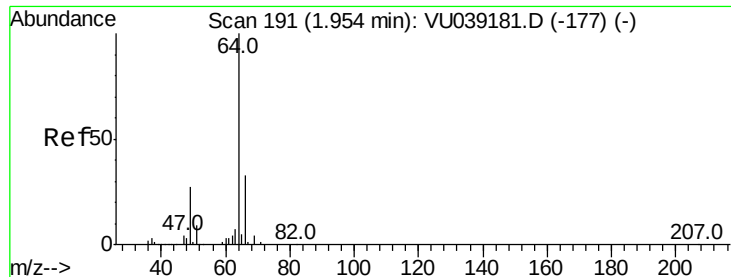
Tgt Ion: 94 Resp: 129820

Ion Ratio Lower Upper

94 100

96 90.2 64.5 119.9





#8

Chloroethane

Concen: 9.840 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU039182.D

Acq: 29 Jun 2020 10:44

Instrument :

MSVOA_U

ClientSampleId :

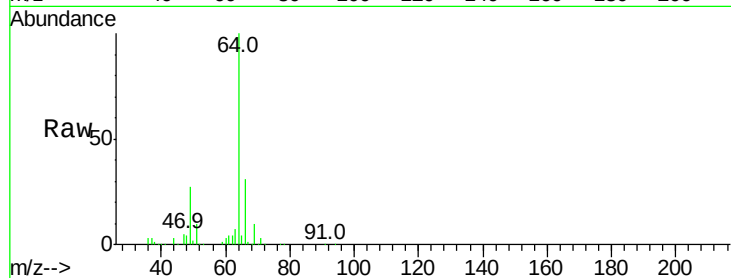
VSTD01005

Tgt Ion: 64 Resp: 143474

Ion Ratio Lower Upper

64 100

66 30.8 23.4 43.6



Abundance Ion 64.10 (63.80 to 64.80): VU039181.D (-177) (-)

Ion 66.05 (65.75 to 66.75): VU039181.D (-177) (-)

1.95

120000

100000

80000

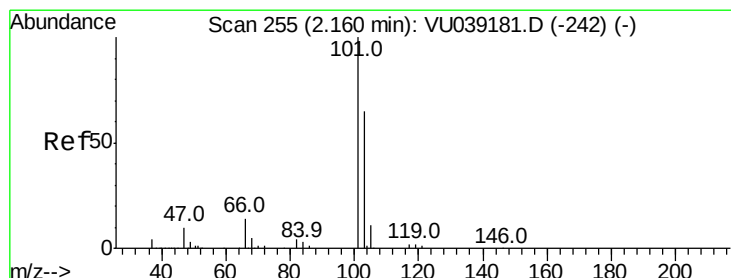
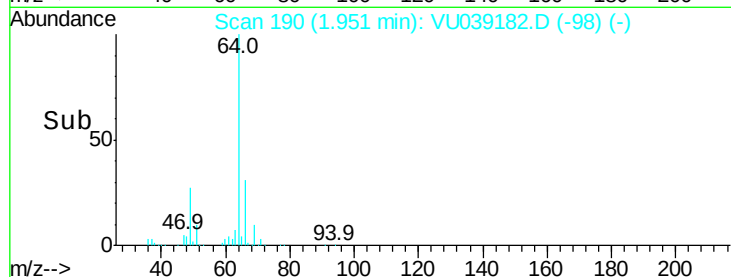
60000

40000

20000

0

Time-->



#9

Trichlorofluoromethane

Concen: 10.315 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU039182.D

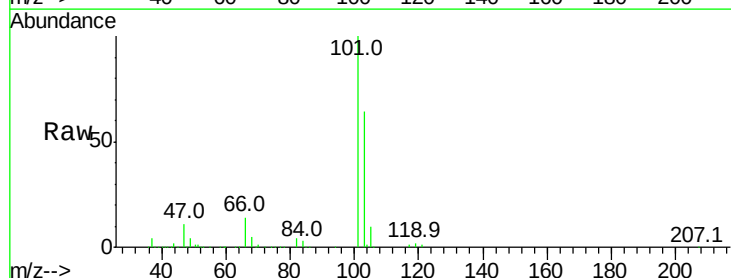
Acq: 29 Jun 2020 10:44

Tgt Ion: 101 Resp: 319466

Ion Ratio Lower Upper

101 100

103 64.0 51.7 77.5



Abundance Ion 101.00 (100.70 to 101.70): VU039181.D (-242) (-)

Ion 103.00 (102.70 to 103.70): VU039181.D (-242) (-)

2.16

250000

200000

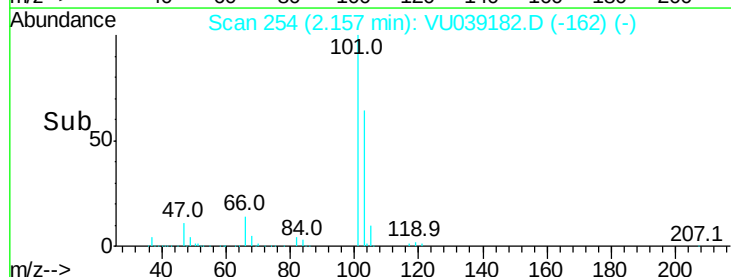
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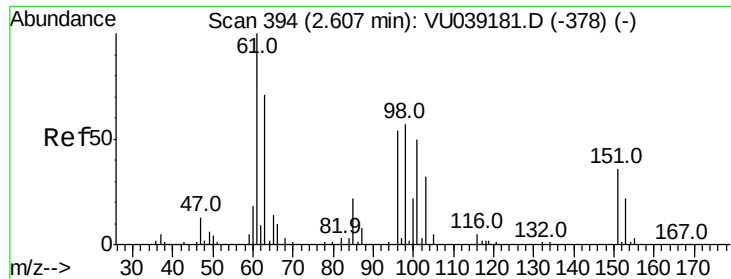
100000

50000

0

Time-->





#10

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

Concen: 9.846 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU039182.D

Acq: 29 Jun 2020 10:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD01005

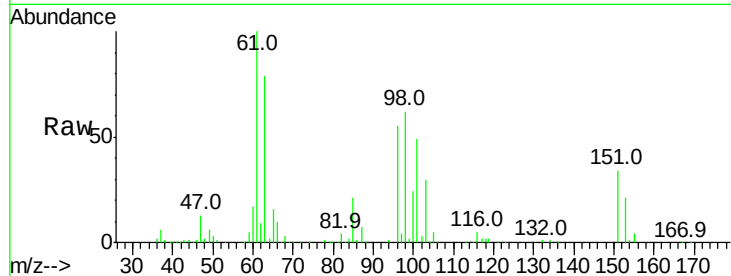
Tgt Ion:101 Resp: 177506

Ion Ratio Lower Upper

101 100

85 45.2 36.0 54.0

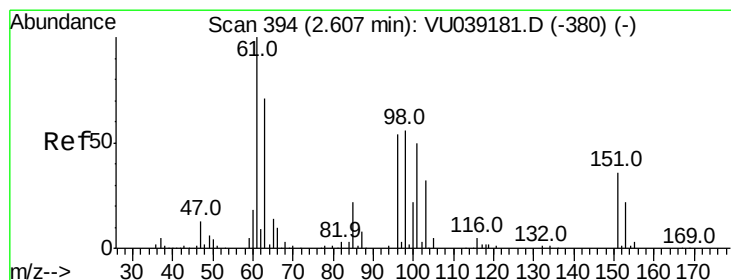
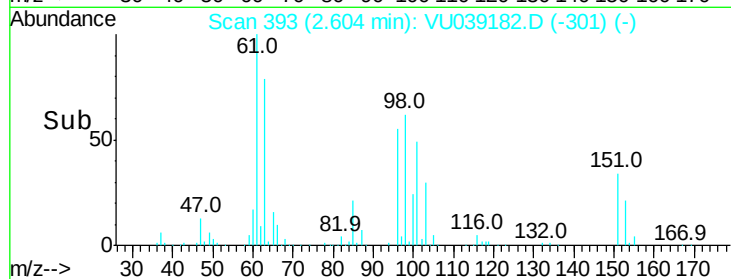
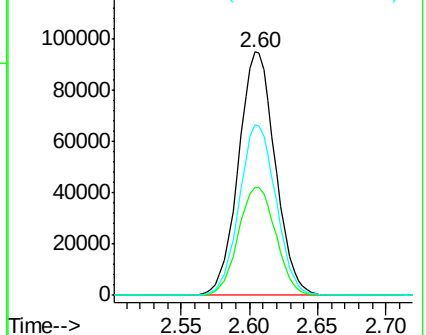
151 70.0 54.7 82.1



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: 10.126 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU039182.D

Acq: 29 Jun 2020 10:44

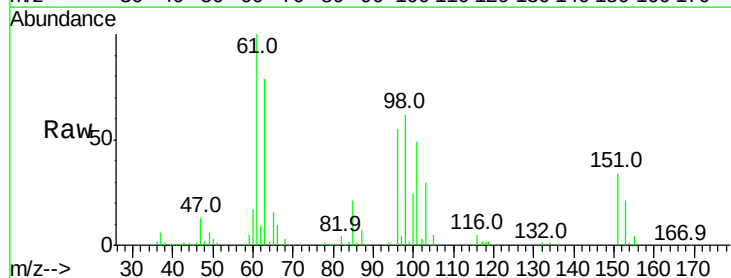
Tgt Ion: 96 Resp: 174649

Ion Ratio Lower Upper

96 100

61 182.5 128.7 239.1

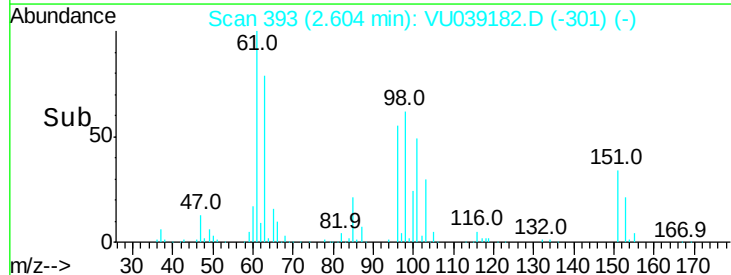
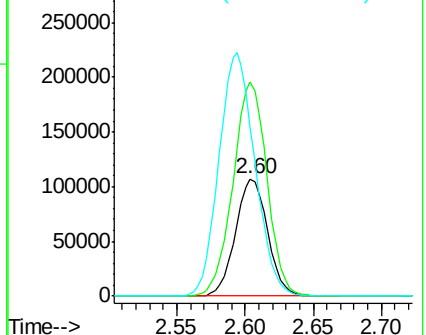
63 144.4 92.3 171.3

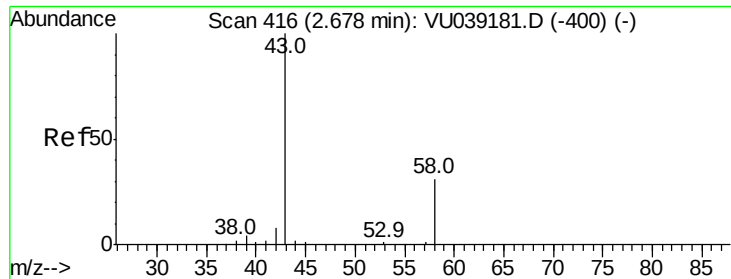


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 89.196 ug/L

RT: 2.68 min Scan# 417

Delta R.T. 0.00 min

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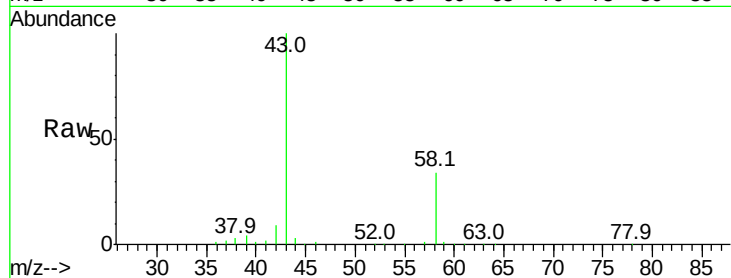
VSTD01005

Tgt Ion: 43 Resp: 398647

Ion Ratio Lower Upper

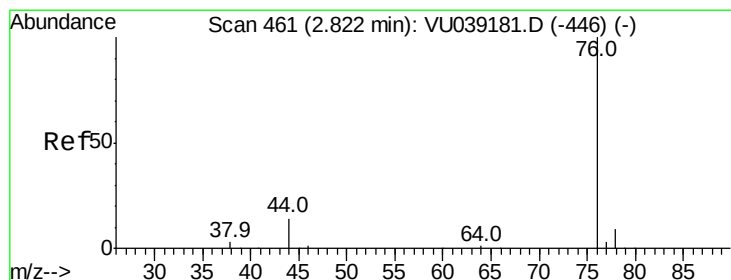
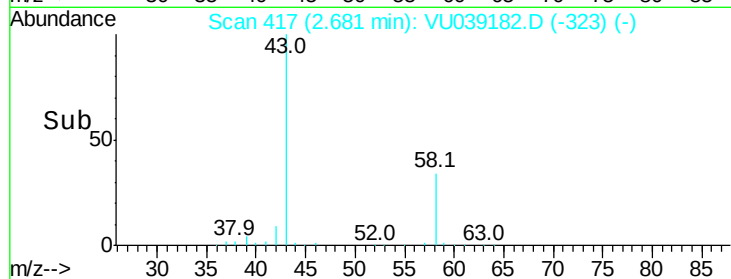
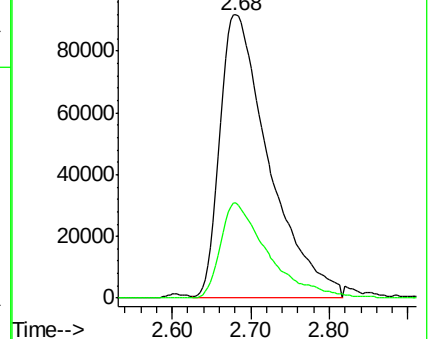
43 100

58 32.8 0.0 63.2



Abundance Ion 43.05 (42.75 to 43.75): VU039182.D (-323) (-)

Ion 58.05 (57.75 to 58.75): VU039182.D (-323) (-)



#14

Carbon disulfide

Concen: 10.495 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU039182.D

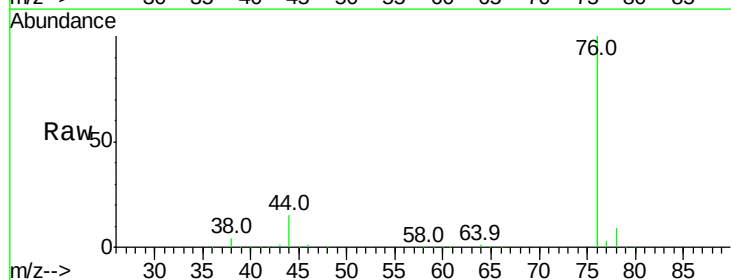
Acq: 29 Jun 2020 10:44

Tgt Ion: 76 Resp: 603535

Ion Ratio Lower Upper

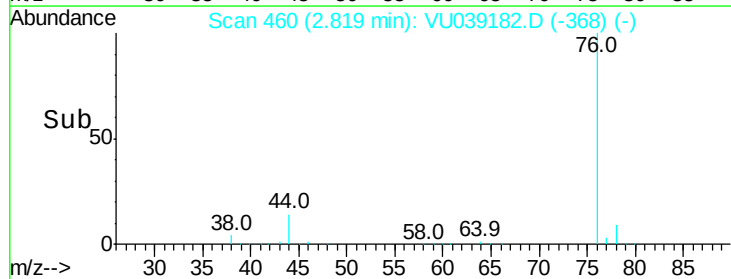
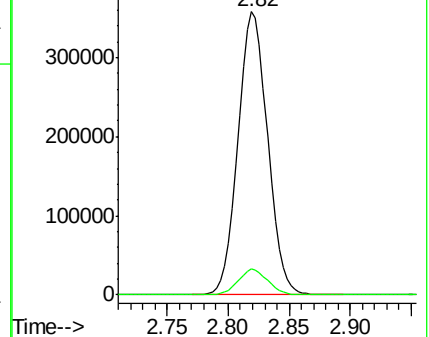
76 100

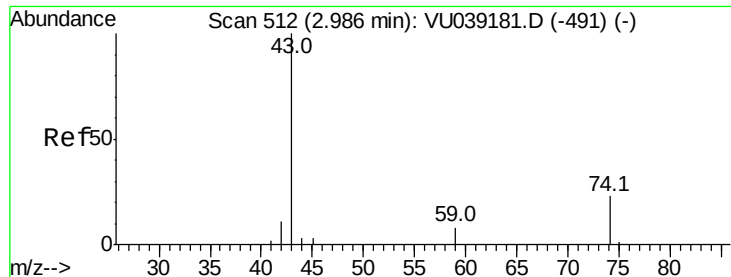
78 9.1 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VU039182.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VU039182.D (-368) (-)

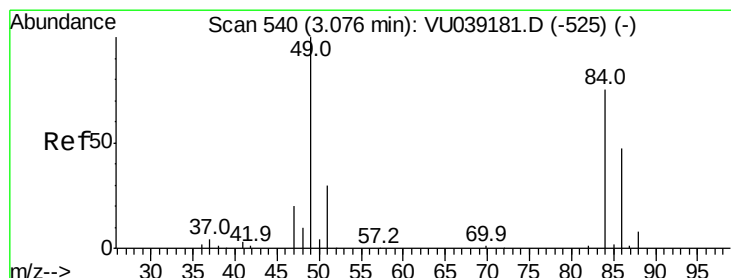
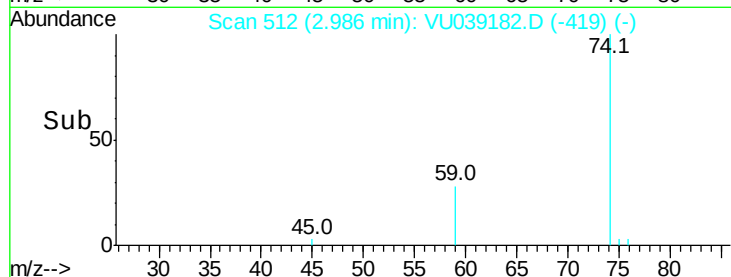
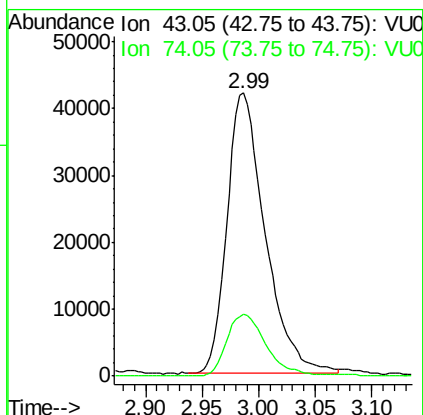
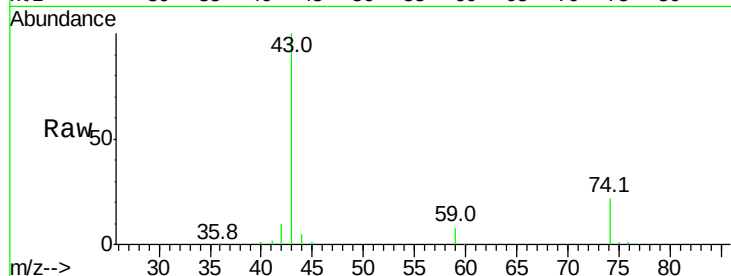




#15
Methyl Acetate
Concen: 9.302 ug/L
RT: 2.99 min Scan# 512
Delta R.T. 0.00 min
Lab File: VU039182.D
Acq: 29 Jun 2020 10:44

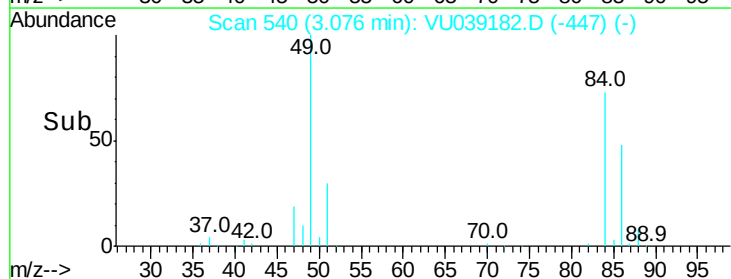
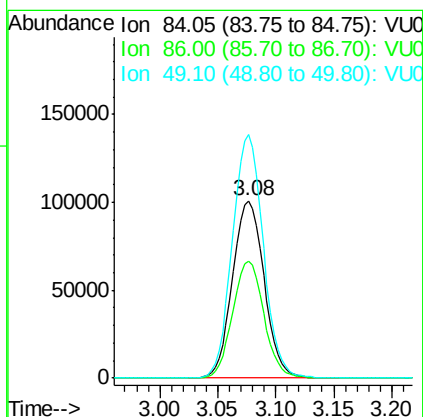
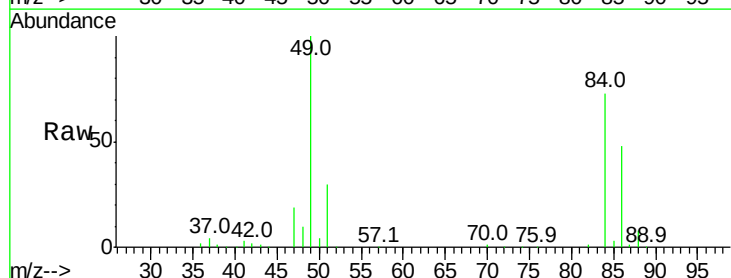
Instrument :
MSVOA_U
ClientSampleId :
VSTD01005

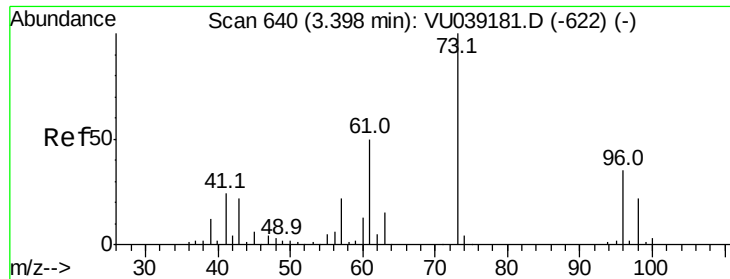
Tgt Ion: 43 Resp: 98700
Ion Ratio Lower Upper
43 100
74 22.6 17.8 26.6



#16
Methylene chloride
Concen: 9.009 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU039182.D
Acq: 29 Jun 2020 10:44

Tgt Ion: 84 Resp: 191693
Ion Ratio Lower Upper
84 100
86 65.8 44.2 82.2
49 137.1 93.2 173.0

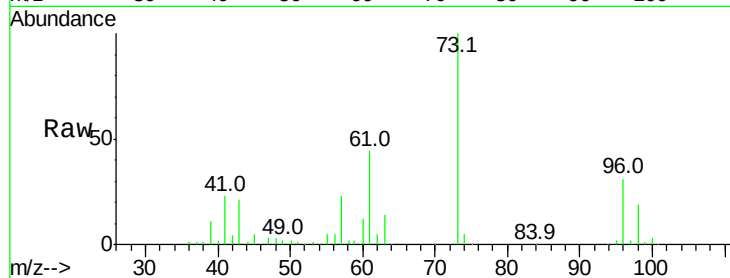




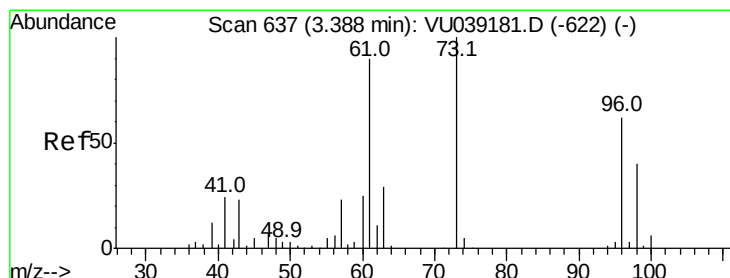
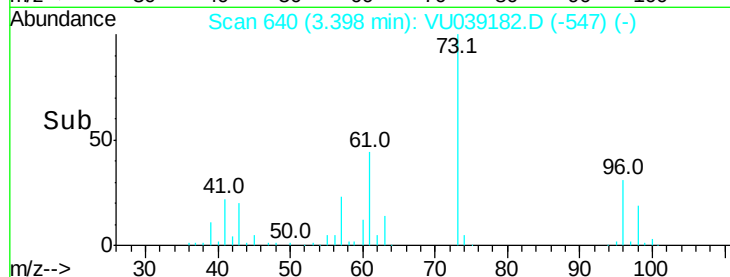
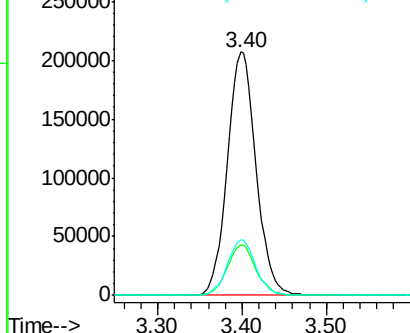
#17
Methyl tert-butyl Ether
Concen: 9.959 ug/L
RT: 3.40 min Scan# 640
Delta R.T. 0.00 min
Lab File: VU039182.D
Acq: 29 Jun 2020 10:44

Instrument :
MSVOA_U
ClientSampleId :
VSTD01005

Tgt Ion: 73 Resp: 488975
Ion Ratio Lower Upper
73 100
43 20.9 17.4 26.0
57 22.6 17.9 26.9

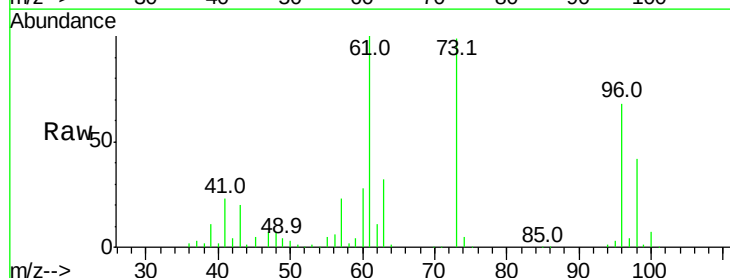


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

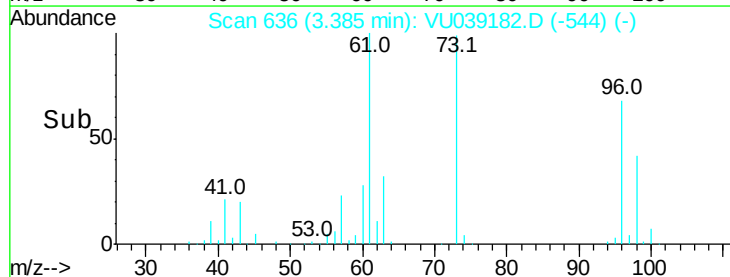
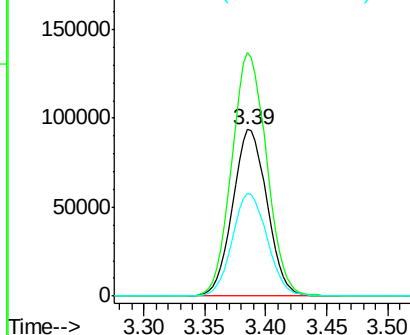


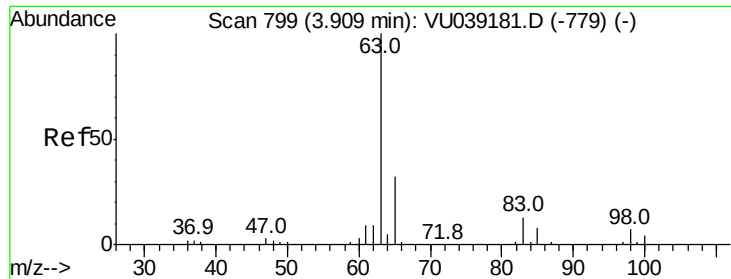
#18
trans-1,2-Dichloroethene
Concen: 9.938 ug/L
RT: 3.39 min Scan# 636
Delta R.T. -0.00 min
Lab File: VU039182.D
Acq: 29 Jun 2020 10:44

Tgt Ion: 96 Resp: 183409
Ion Ratio Lower Upper
96 100
61 146.4 100.5 186.7
98 62.0 44.7 83.1



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

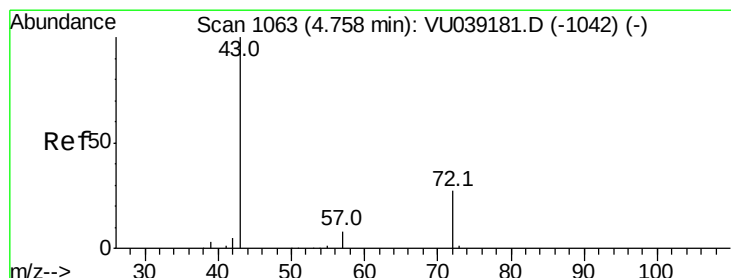
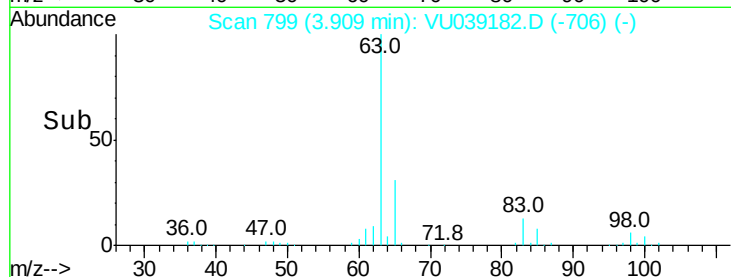
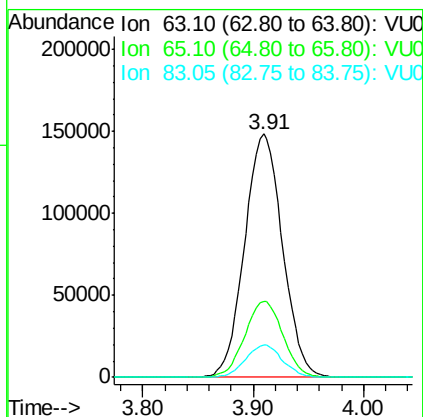
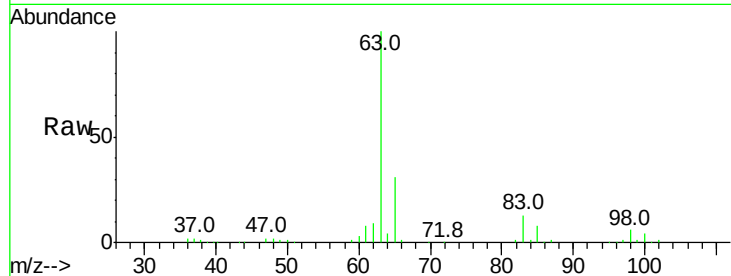




#19
 1,1-Dichloroethane
 Concen: 9.643 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. 0.00 min
 Lab File: VU039182.D
 Acq: 29 Jun 2020 10:44

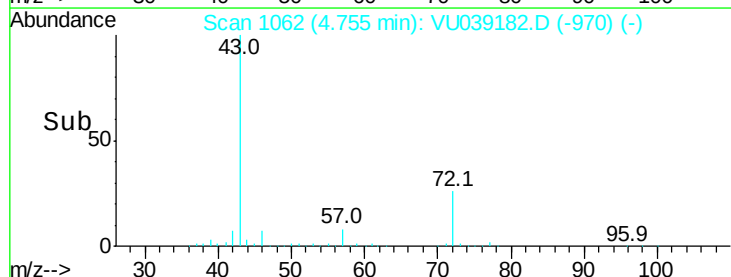
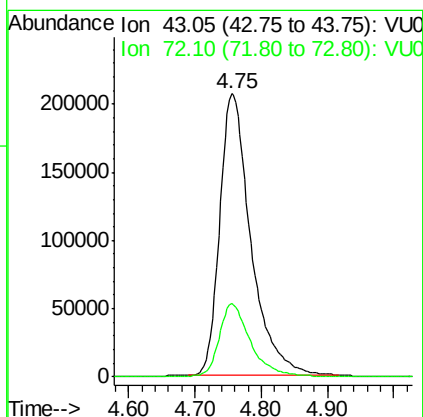
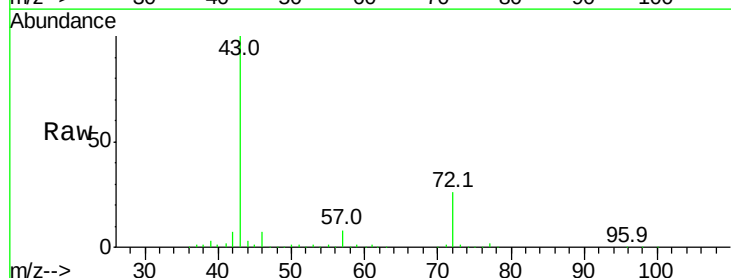
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01005

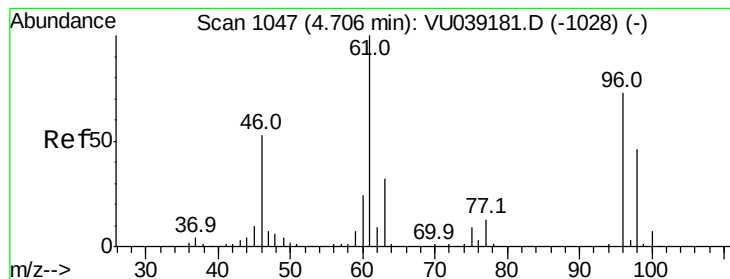
Tgt Ion: 63 Resp: 353781
 Ion Ratio Lower Upper
 63 100
 65 31.4 22.4 41.6
 83 13.1 9.2 17.2



#21
 2-Butanone
 Concen: 98.933 ug/L
 RT: 4.75 min Scan# 1062
 Delta R.T. -0.00 min
 Lab File: VU039182.D
 Acq: 29 Jun 2020 10:44

Tgt Ion: 43 Resp: 672253
 Ion Ratio Lower Upper
 43 100
 72 26.4 13.2 39.6





#22

cis-1,2-Dichloroethene

Concen: 9.744 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU039182.D

Acq: 29 Jun 2020 10:44

Instrument :
MSVOA_U
ClientSampleId :
VSTD01005

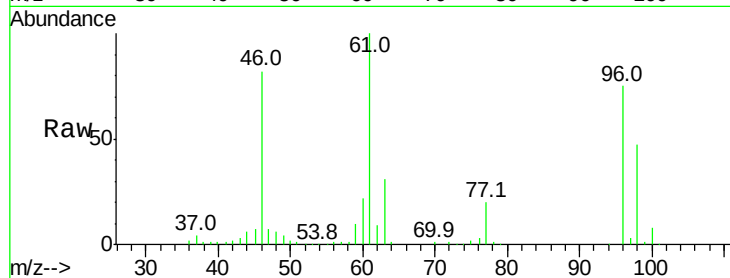
Tgt Ion: 96 Resp: 194059

Ion Ratio Lower Upper

96 100

61 132.6 96.3 178.9

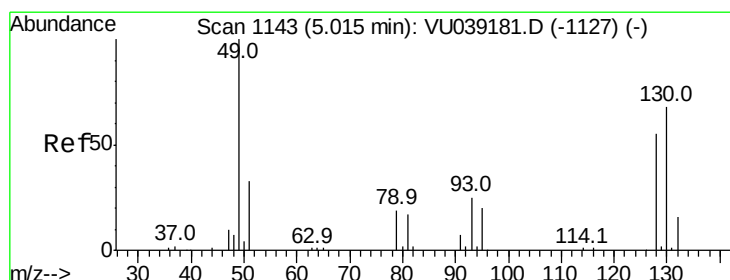
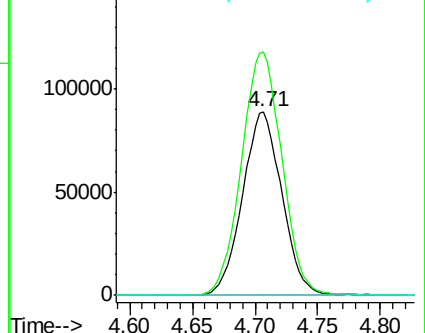
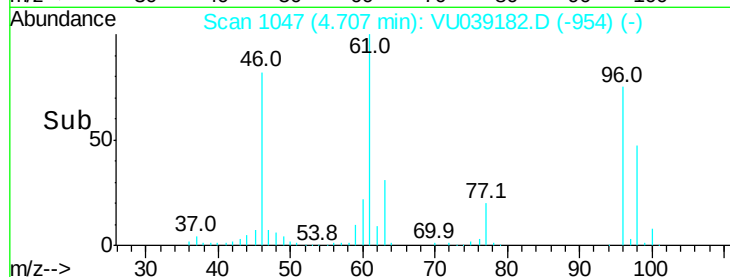
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039182.D (-954) (-)

Ion 61.05 (60.75 to 61.75): VU039182.D (-954) (-)

Ion 68.15 (67.85 to 68.85): VU039182.D (-954) (-)



#23

Bromochloromethane

Concen: 9.824 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU039182.D

Acq: 29 Jun 2020 10:44

Tgt Ion: 128 Resp: 90036

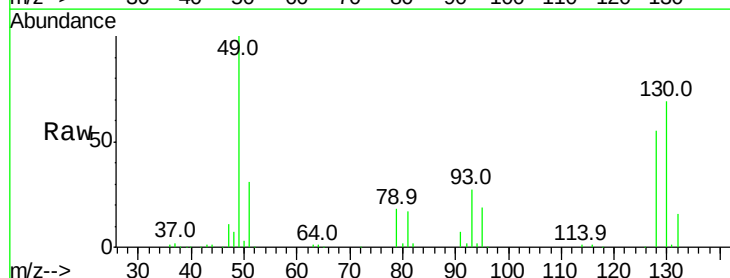
Ion Ratio Lower Upper

128 100

49 182.6 126.7 235.3

130 126.4 86.2 160.2

51 57.3 47.5 71.3

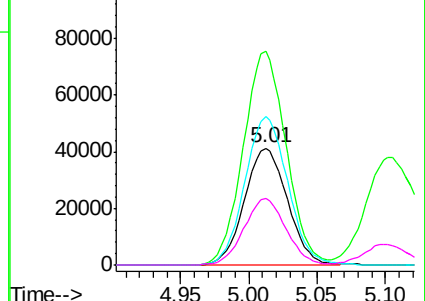
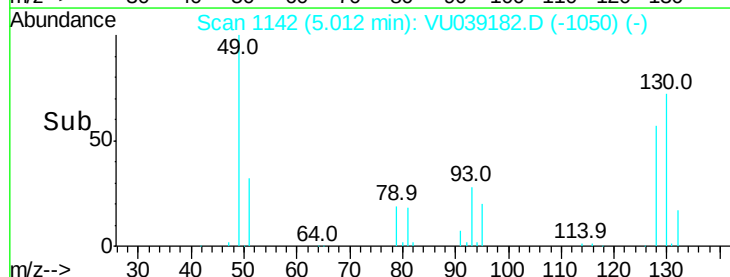


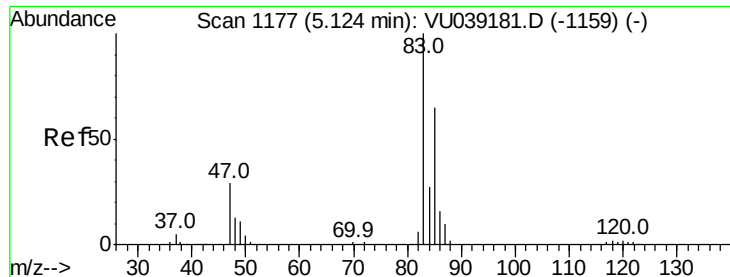
Abundance Ion 127.90 (127.60 to 128.60): VU039182.D (-1050) (-)

Ion 49.10 (48.80 to 49.80): VU039182.D (-1050) (-)

Ion 129.95 (129.65 to 130.65): VU039182.D (-1050) (-)

Ion 51.05 (50.75 to 51.75): VU039182.D (-1050) (-)

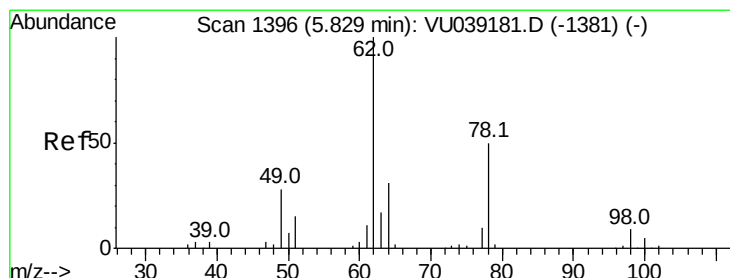
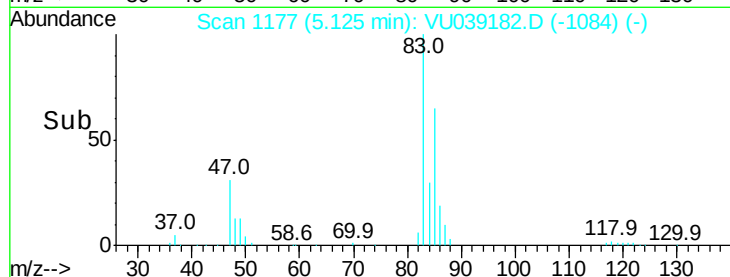
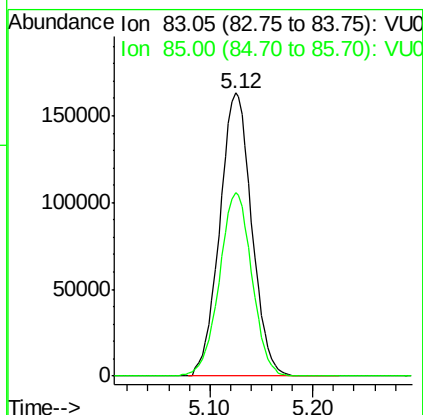
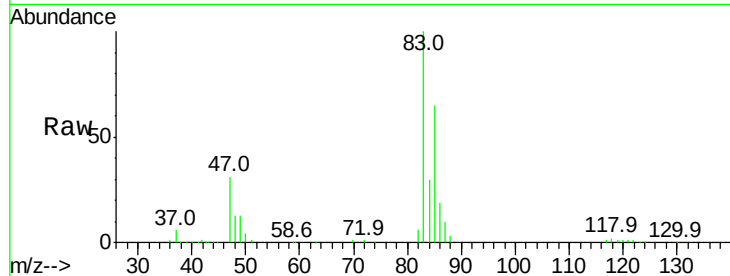




#25
Chloroform
Concen: 9.547 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VU039182.D
Acq: 29 Jun 2020 10:44

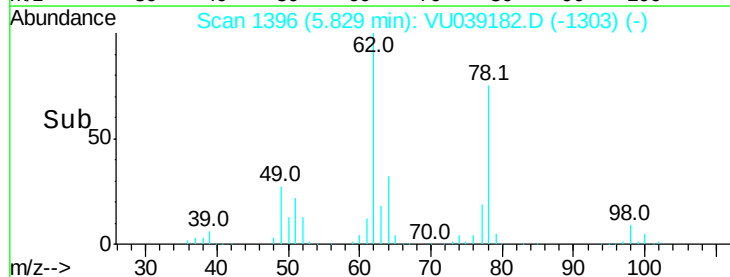
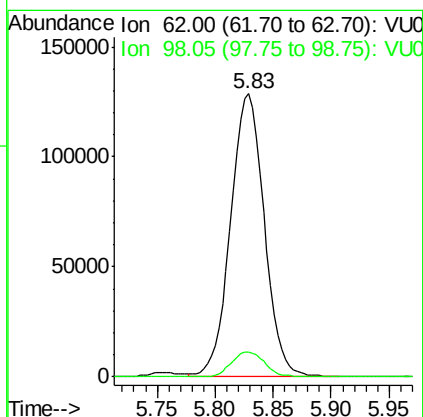
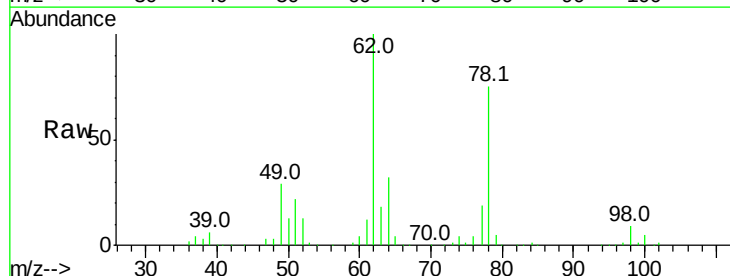
Instrument :
MSVOA_U
ClientSampleId :
VSTD01005

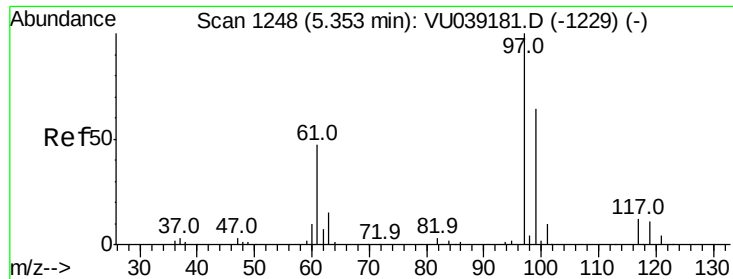
Tgt Ion: 83 Resp: 351874
Ion Ratio Lower Upper
83 100
85 64.8 45.5 84.5



#27
1,2-Dichloroethane
Concen: 9.858 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU039182.D
Acq: 29 Jun 2020 10:44

Tgt Ion: 62 Resp: 258916
Ion Ratio Lower Upper
62 100
98 8.8 7.3 10.9

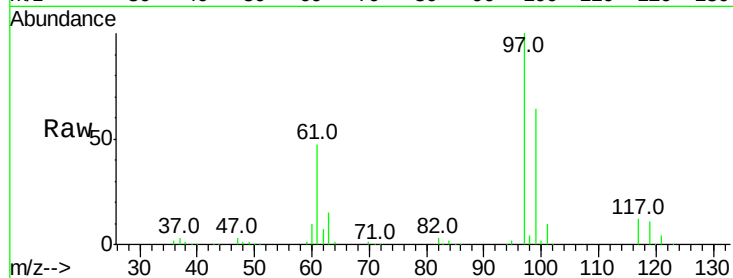




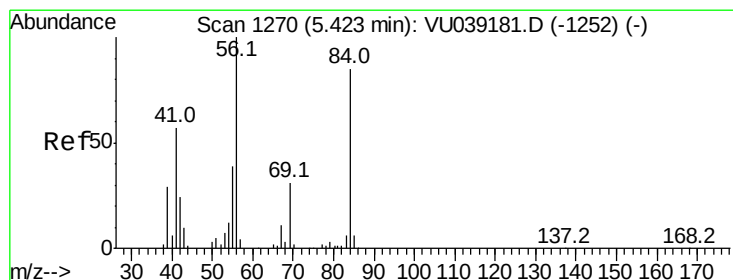
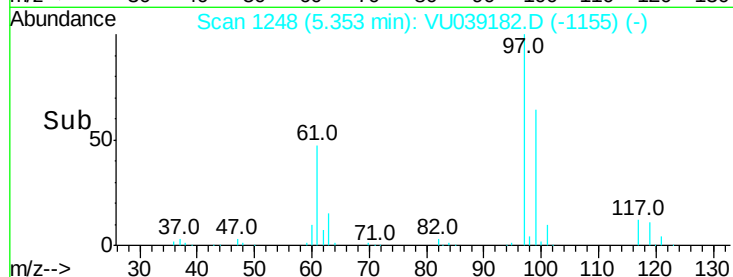
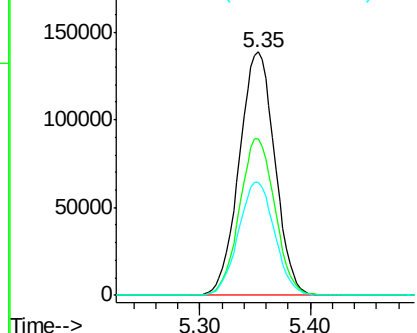
#29
1,1,1-Trichloroethane
Concen: 10.039 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VU039182.D
Acq: 29 Jun 2020 10:44

Instrument :
MSVOA_U
ClientSampleId :
VSTD01005

Tgt Ion: 97 Resp: 310187
Ion Ratio Lower Upper
97 100
99 64.2 51.2 76.8
61 47.4 37.3 55.9

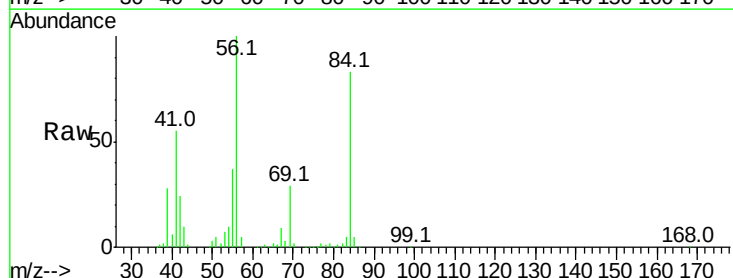


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

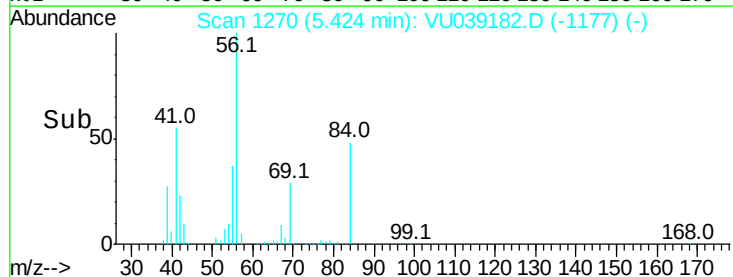
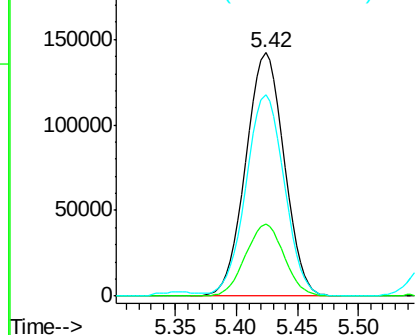


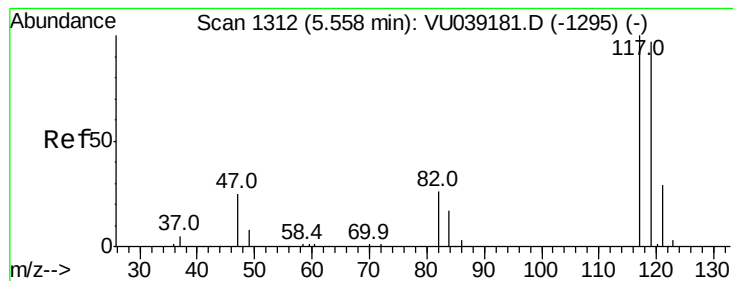
#30
Cyclohexane
Concen: 10.794 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VU039182.D
Acq: 29 Jun 2020 10:44

Tgt Ion: 56 Resp: 310314
Ion Ratio Lower Upper
56 100
69 29.6 25.0 37.4
84 82.8 69.4 104.2



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: 10.117 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU039182.D

Acq: 29 Jun 2020 10:44

Instrument :

MSVOA_U

ClientSampleId :

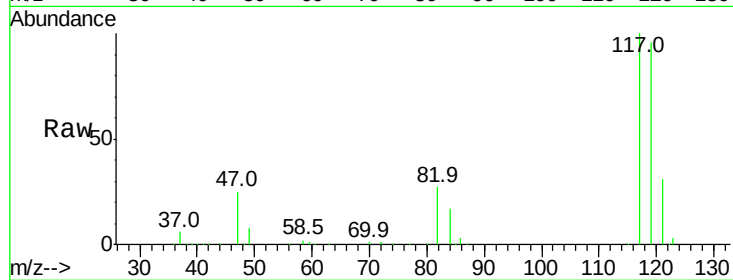
VSTD01005

Tgt Ion:117 Resp: 260303

Ion Ratio Lower Upper

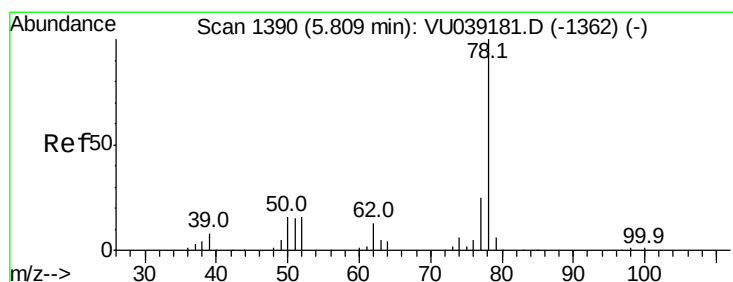
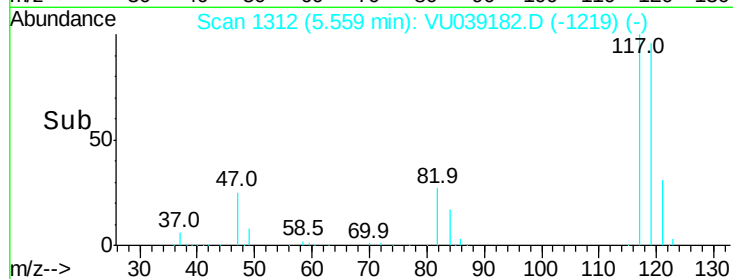
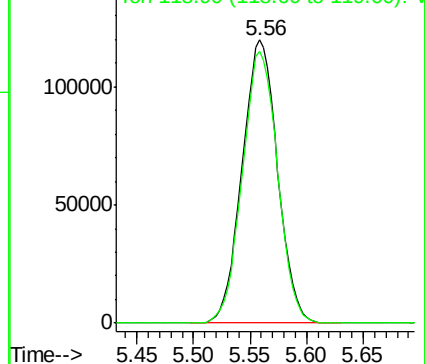
117 100

119 96.1 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: 9.825 ug/L

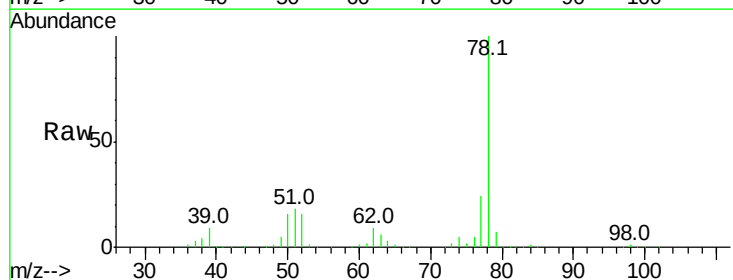
RT: 5.81 min Scan# 1389

Delta R.T. -0.00 min

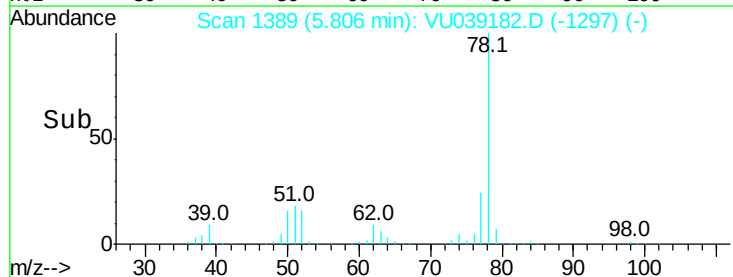
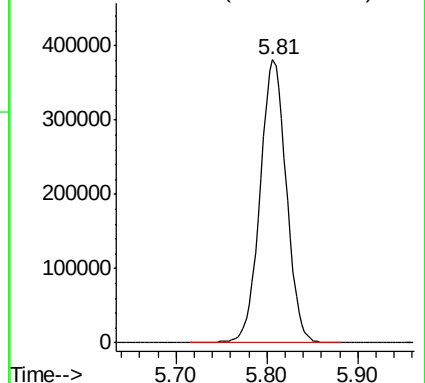
Lab File: VU039182.D

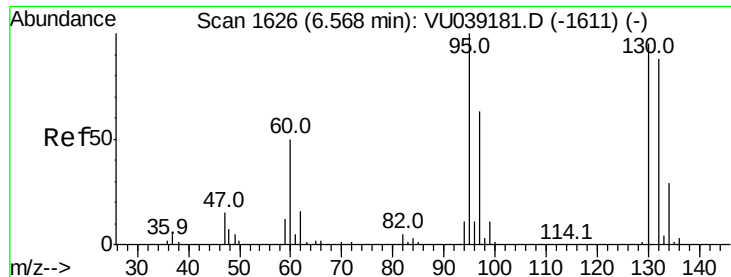
Acq: 29 Jun 2020 10:44

Tgt Ion: 78 Resp: 764272



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 10.177 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VU039182.D

Acq: 29 Jun 2020 10:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD01005

Tgt Ion: 95 Resp: 191490

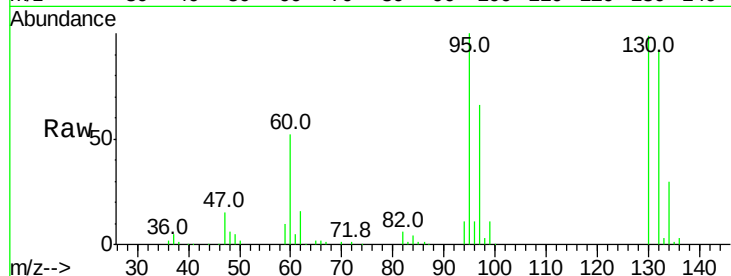
Ion Ratio Lower Upper

95 100

97 65.9 44.0 81.8

132 92.4 61.2 113.8

130 99.1 66.4 123.4

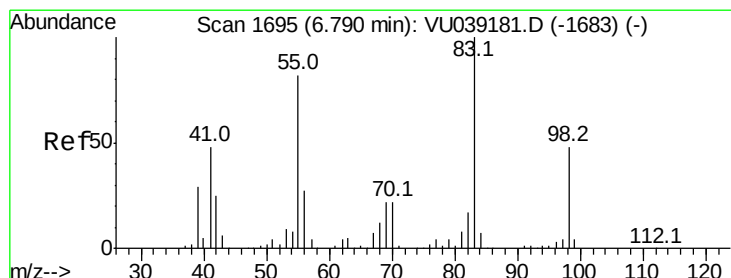
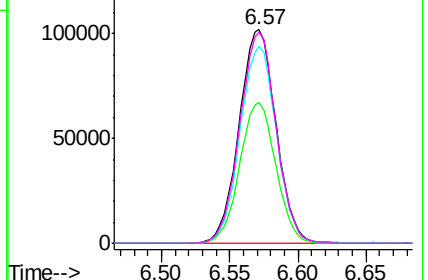
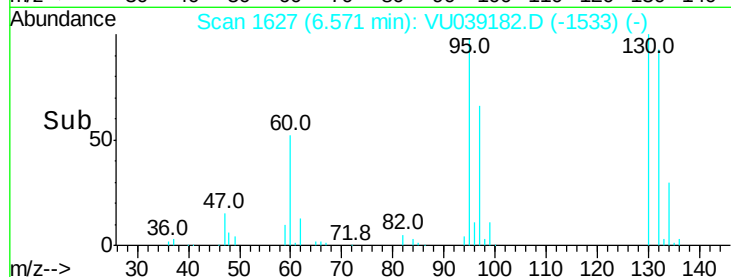


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 11.248 ug/L

RT: 6.79 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU039182.D

Acq: 29 Jun 2020 10:44

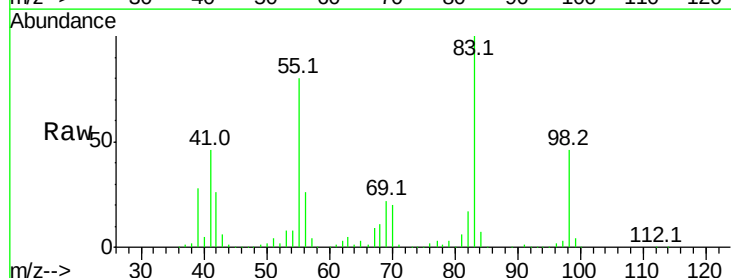
Tgt Ion: 83 Resp: 314043

Ion Ratio Lower Upper

83 100

55 79.7 65.5 98.3

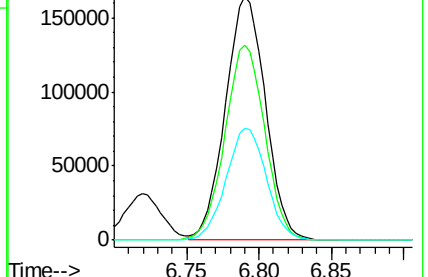
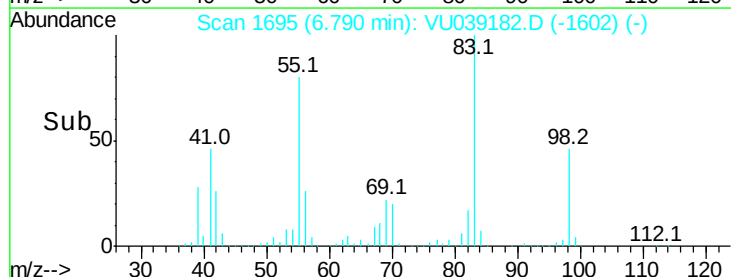
98 46.4 38.2 57.4

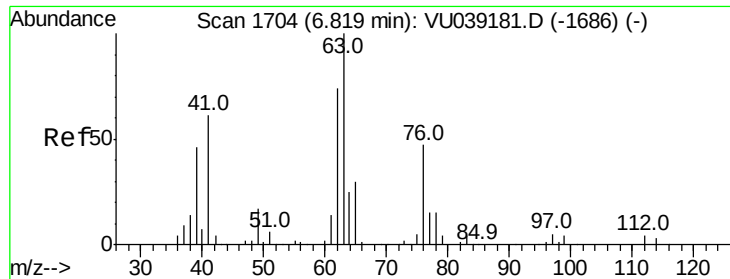


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

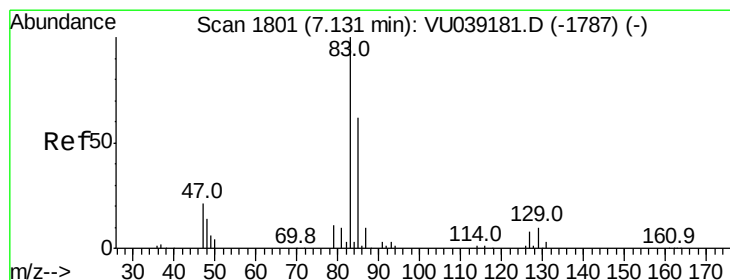
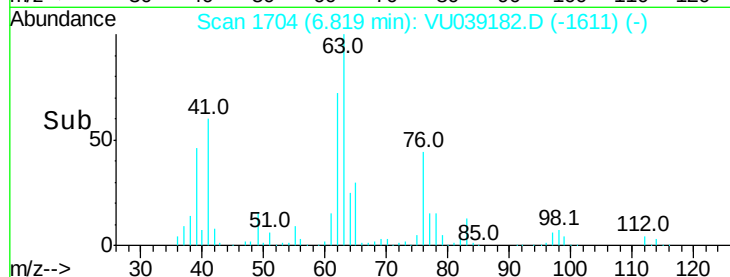
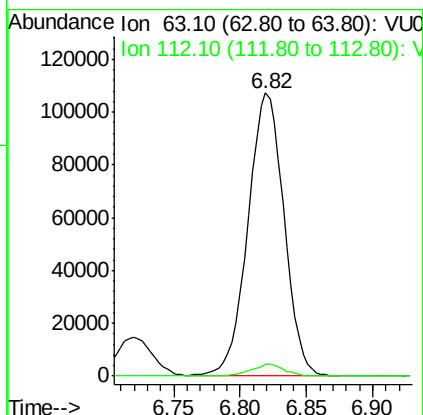
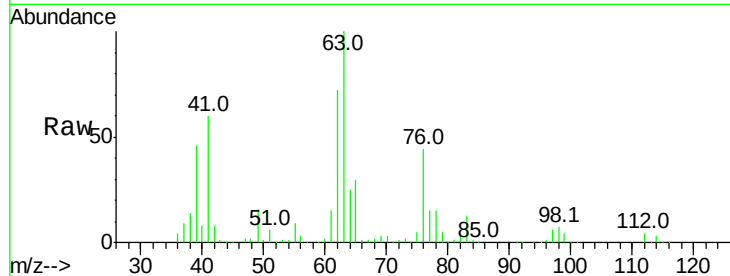




#37
 1,2-Dichloropropane
 Concen: 9.597 ug/L
 RT: 6.82 min Scan# 1704
 Delta R.T. 0.00 min
 Lab File: VU039182.D
 Acq: 29 Jun 2020 10:44

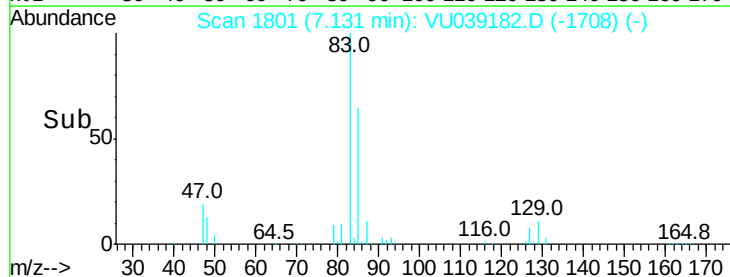
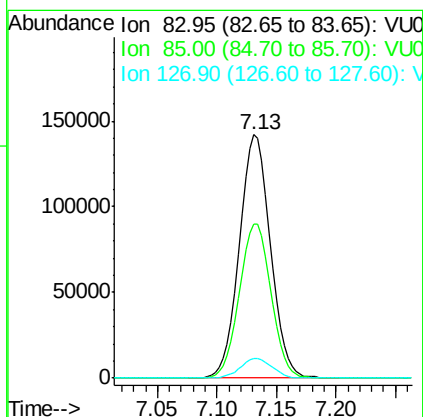
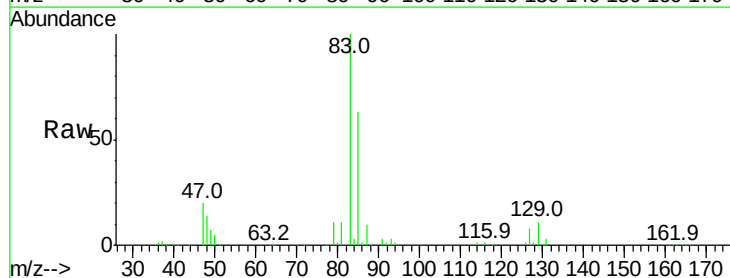
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01005

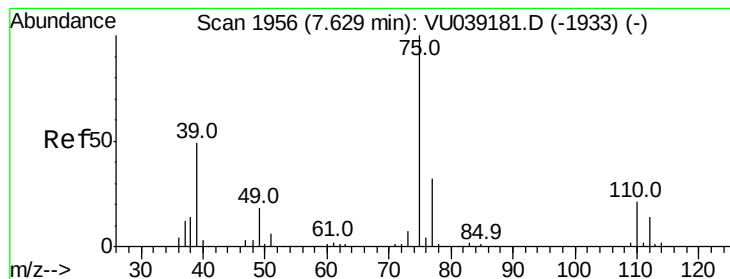
Tgt Ion: 63 Resp: 202246
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.4 5.2



#38
 Bromodichloromethane
 Concen: 9.748 ug/L
 RT: 7.13 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: VU039182.D
 Acq: 29 Jun 2020 10:44

Tgt Ion: 83 Resp: 256118
 Ion Ratio Lower Upper
 83 100
 85 63.3 43.4 80.6
 127 8.2 6.2 9.2



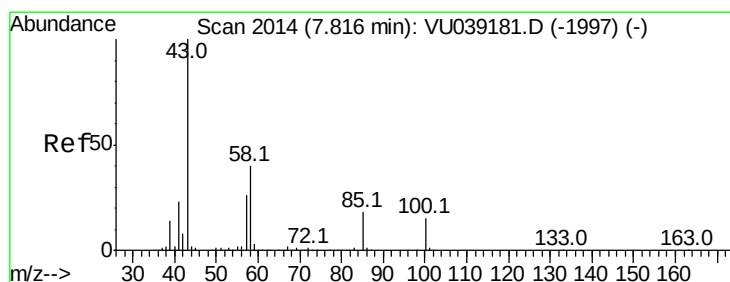
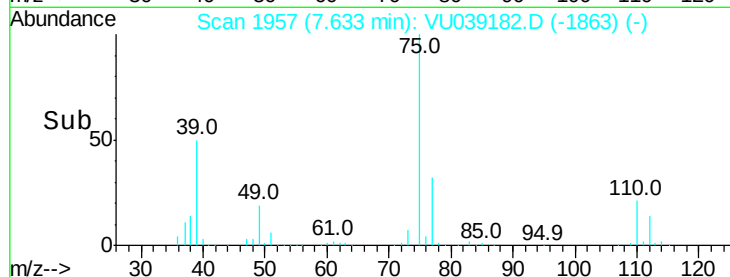
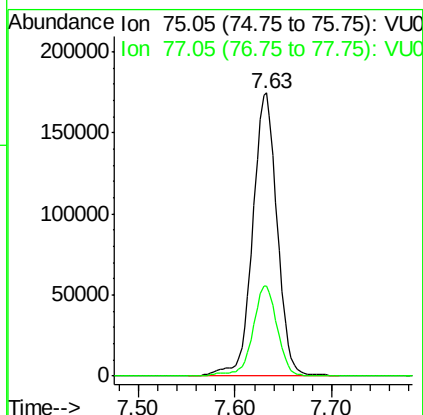
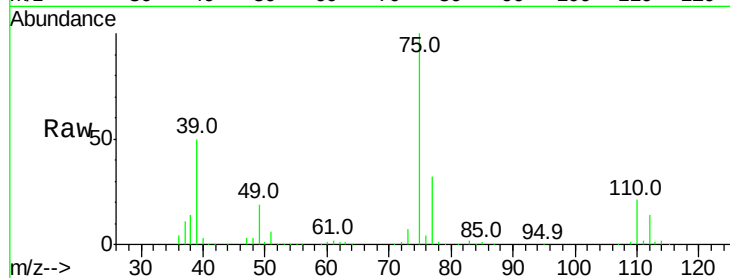


#39

cis-1,3-Dichloropropene
 Concen: 10.518 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU039182.D
 Acq: 29 Jun 2020 10:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01005

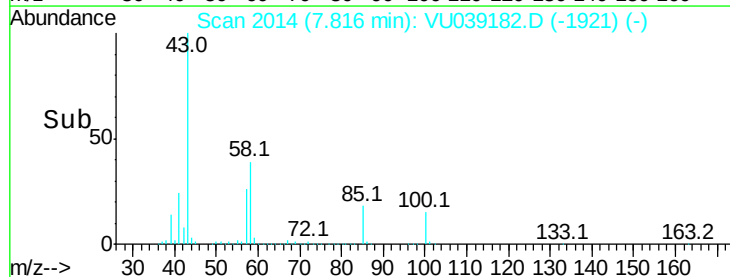
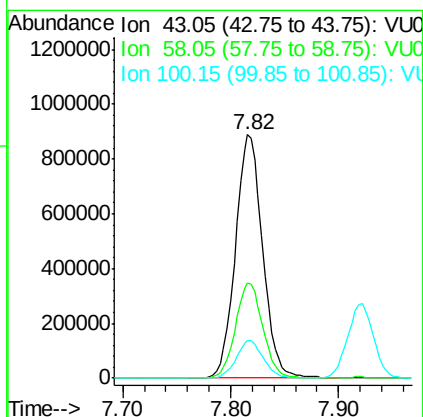
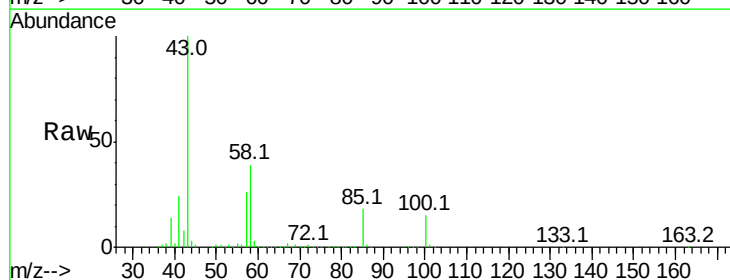
Tgt Ion: 75 Resp: 307239
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.7 42.1

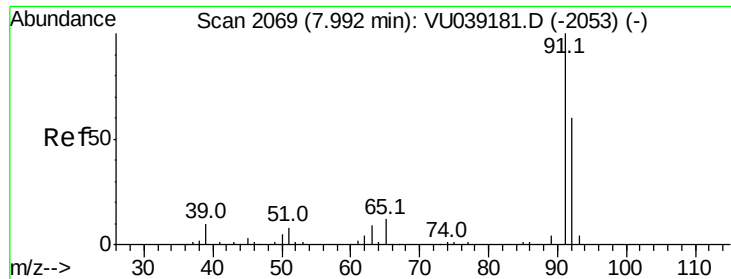


#40

4-Methyl-2-pentanone
 Concen: 99.219 ug/L
 RT: 7.82 min Scan# 2014
 Delta R.T. 0.00 min
 Lab File: VU039182.D
 Acq: 29 Jun 2020 10:44

Tgt Ion: 43 Resp: 1560662
 Ion Ratio Lower Upper
 43 100
 58 39.4 31.3 46.9
 100 15.3 12.2 18.4





#42

Toluene

Concen: 10.314 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU039182.D

Acq: 29 Jun 2020 10:44

Instrument :

MSVOA_U

ClientSampleId :

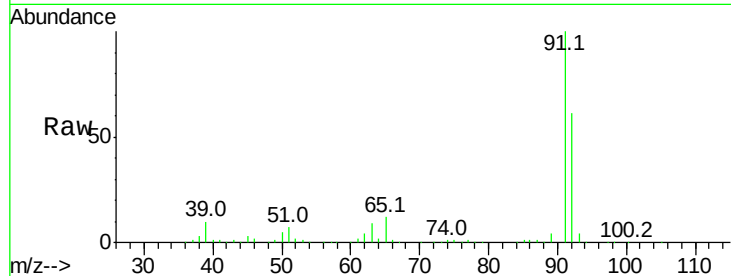
VSTD01005

Tgt Ion: 91 Resp: 796388

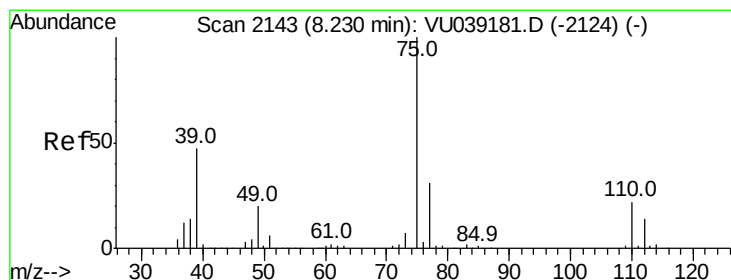
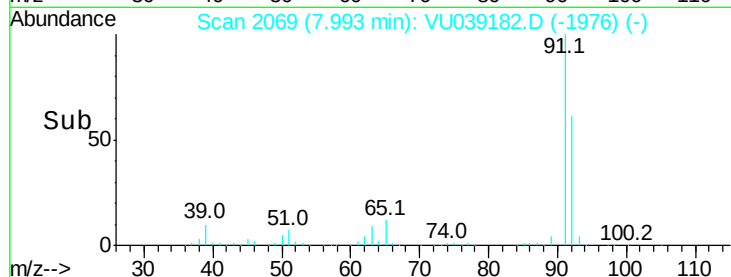
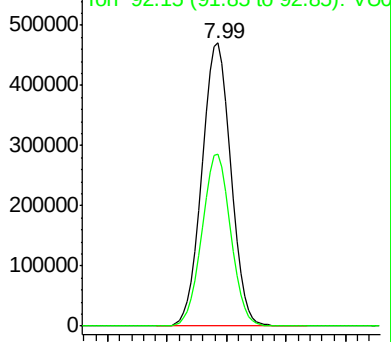
Ion Ratio Lower Upper

91 100

92 60.7 42.4 78.6



Abundance Ion 91.15 (90.85 to 91.85): VU039182.D (-1976) (-)



#44

trans-1,3-Dichloropropene

Concen: 10.370 ug/L

RT: 8.23 min Scan# 2143

Delta R.T. 0.00 min

Lab File: VU039182.D

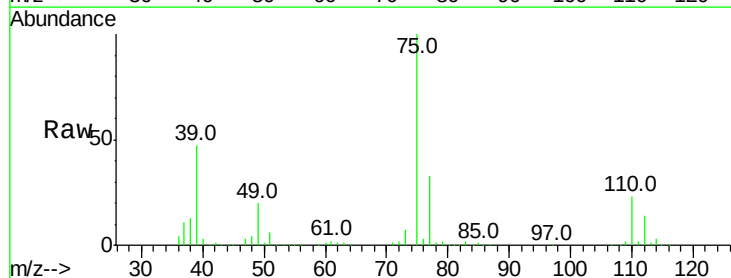
Acq: 29 Jun 2020 10:44

Tgt Ion: 75 Resp: 283444

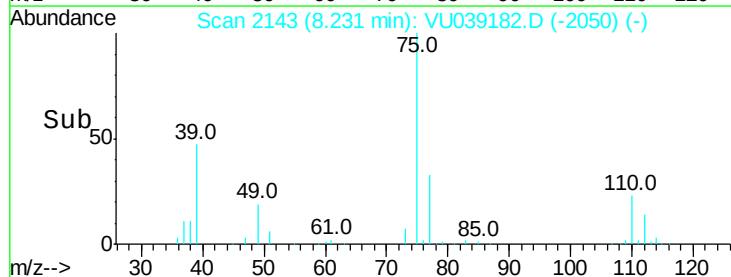
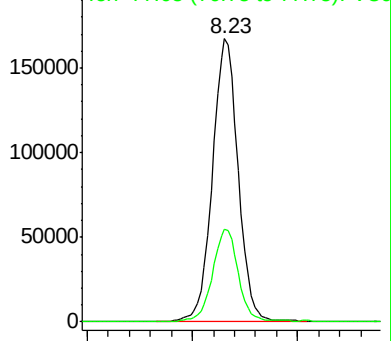
Ion Ratio Lower Upper

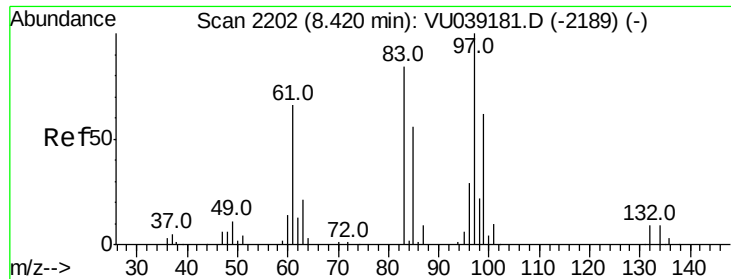
75 100

77 33.0 22.1 41.1



Abundance Ion 75.05 (74.75 to 75.75): VU039182.D (-2050) (-)

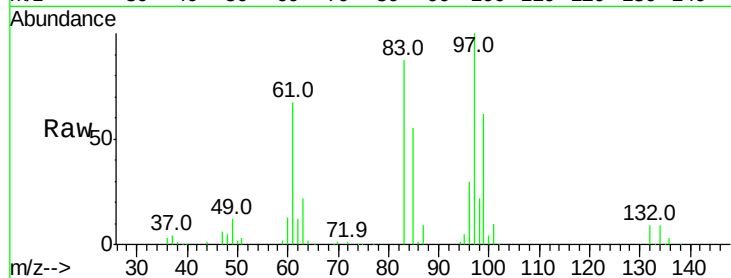




#45
 1,1,2-Trichloroethane
 Concen: 9.654 ug/L
 RT: 8.42 min Scan# 2202
 Delta R.T. 0.00 min
 Lab File: VU039182.D
 Acq: 29 Jun 2020 10:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01005

Tgt Ion:	97	Resp:	151203
Ion	Ratio	Lower	Upper
97	100		
99	61.9	43.5	80.7
83	86.8	59.1	109.9
85	55.4	39.3	73.1

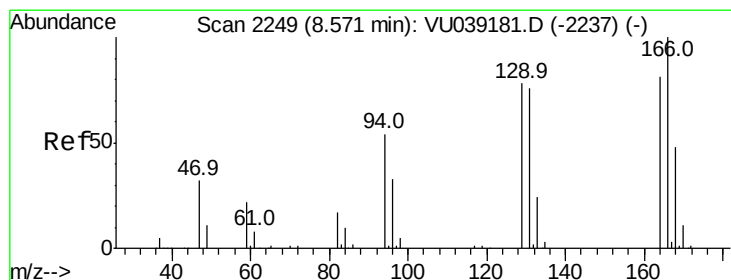
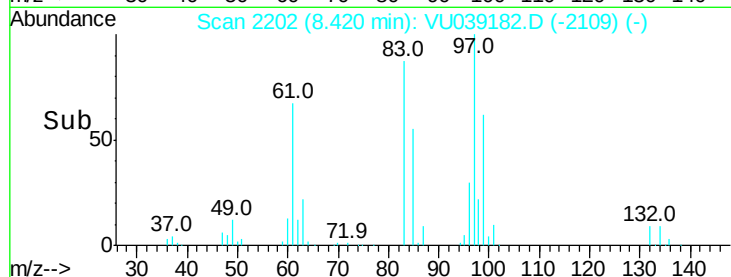
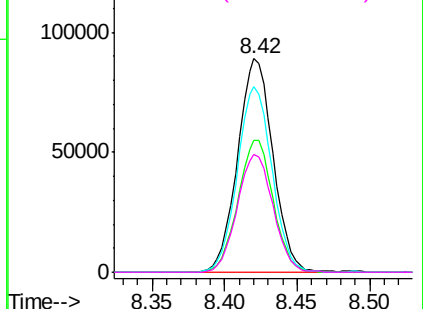


Abundance Ion 96.95 (96.65 to 97.65): VU039182.D (-2109) (-)

Ion 99.05 (98.75 to 99.75): VU039182.D (-2109) (-)

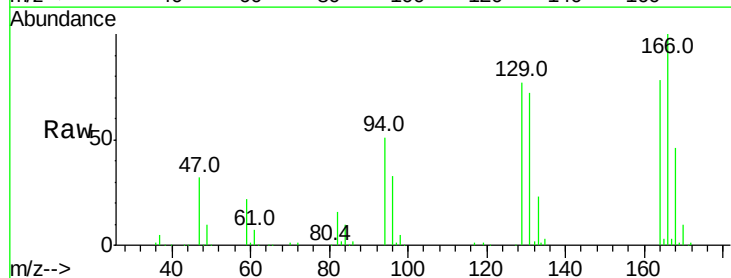
Ion 82.95 (82.65 to 83.65): VU039182.D (-2109) (-)

Ion 85.00 (84.70 to 85.70): VU039182.D (-2109) (-)



#47
 Tetrachloroethene
 Concen: 10.265 ug/L
 RT: 8.57 min Scan# 2249
 Delta R.T. 0.00 min
 Lab File: VU039182.D
 Acq: 29 Jun 2020 10:44

Tgt Ion:	164	Resp:	139202
Ion	Ratio	Lower	Upper
164	100		
129	99.0	67.6	125.6
131	92.7	66.1	122.7
166	128.4	86.8	161.2

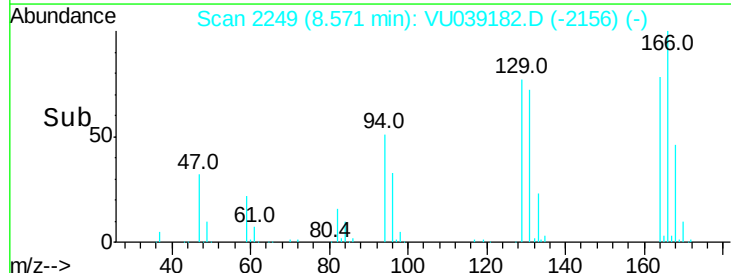
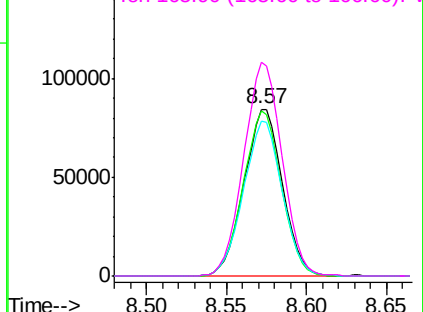


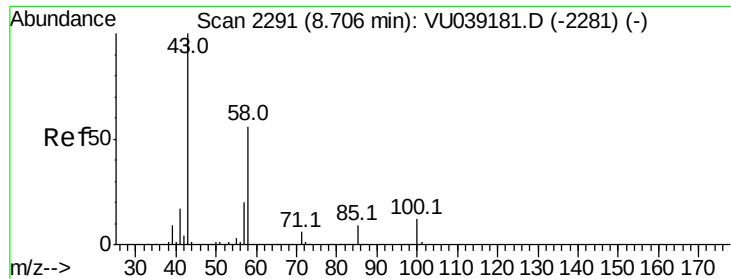
Abundance Ion 163.90 (163.60 to 164.60): VU039182.D (-2156) (-)

Ion 128.95 (128.65 to 129.65): VU039182.D (-2156) (-)

Ion 130.95 (130.65 to 131.65): VU039182.D (-2156) (-)

Ion 165.90 (165.60 to 166.60): VU039182.D (-2156) (-)

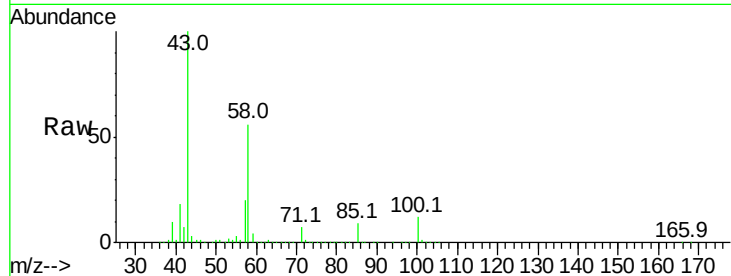




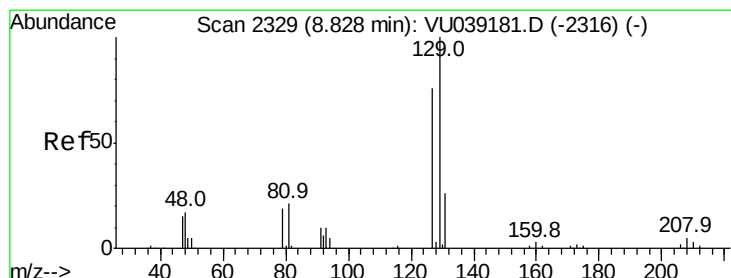
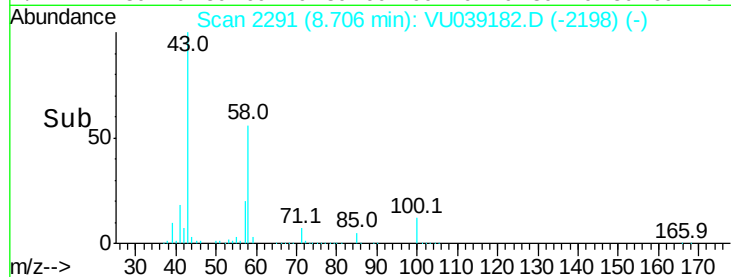
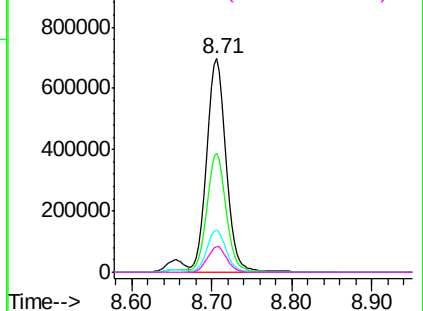
#48
2-Hexanone
Concen: 102.721 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU039182.D
Acq: 29 Jun 2020 10:44

Instrument :
MSVOA_U
ClientSampleId :
VSTD01005

Tgt Ion: 43 Resp: 1184503
Ion Ratio Lower Upper
43 100
58 54.6 43.6 65.4
57 19.5 15.6 23.4
100 12.0 9.4 14.2

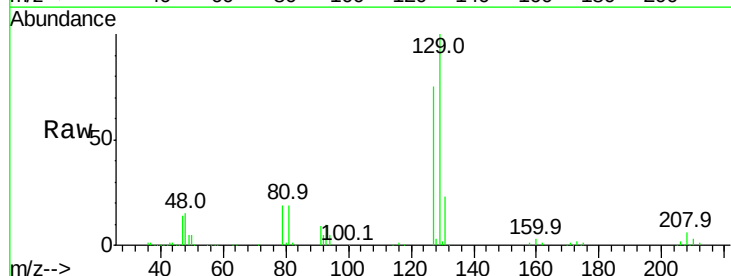


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

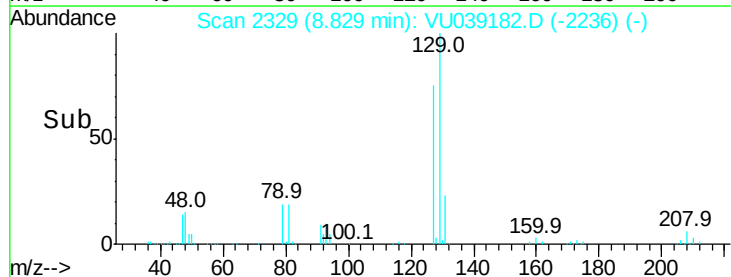
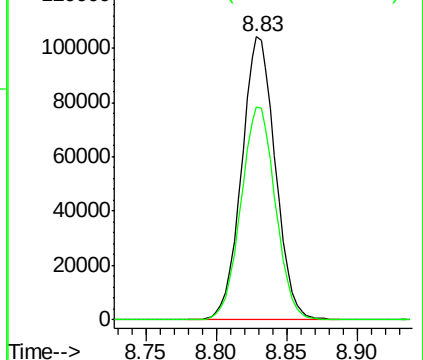


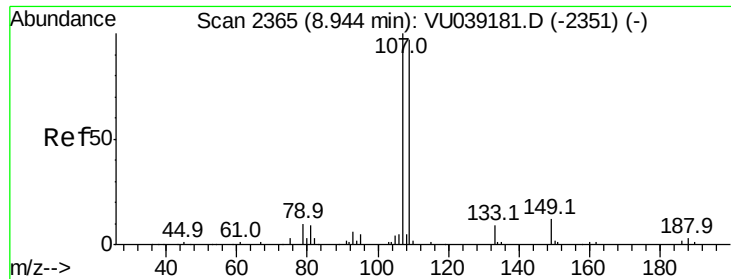
#49
Dibromochloromethane
Concen: 10.246 ug/L
RT: 8.83 min Scan# 2329
Delta R.T. 0.00 min
Lab File: VU039182.D
Acq: 29 Jun 2020 10:44

Tgt Ion: 129 Resp: 174517
Ion Ratio Lower Upper
129 100
127 75.4 53.5 99.3



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

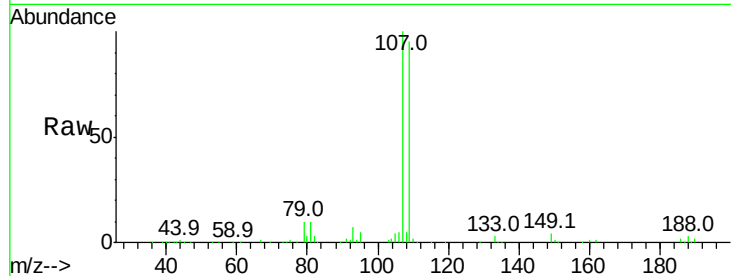




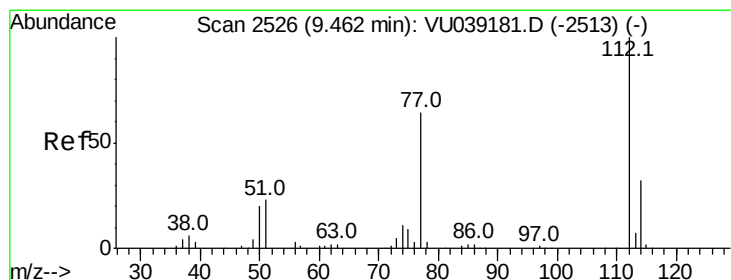
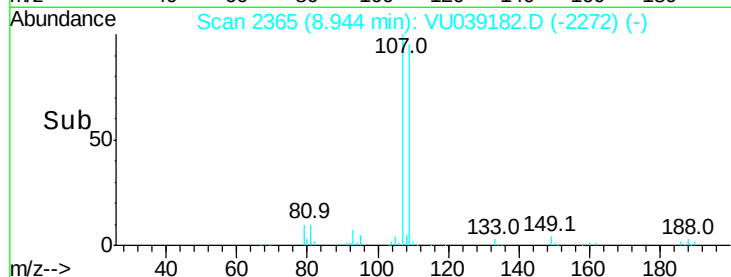
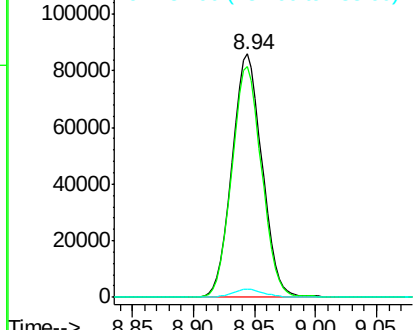
#50
1,2-Dibromoethane
Concen: 9.964 ug/L
RT: 8.94 min Scan# 2365
Delta R.T. 0.00 min
Lab File: VU039182.D
Acq: 29 Jun 2020 10:44

Instrument :
MSVOA_U
ClientSampleId :
VSTD01005

Tgt Ion:107 Resp: 147553
Ion Ratio Lower Upper
107 100
109 95.0 67.7 125.7
188 3.4 2.5 3.7

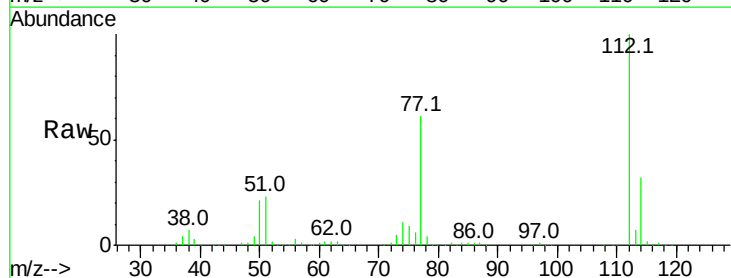


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

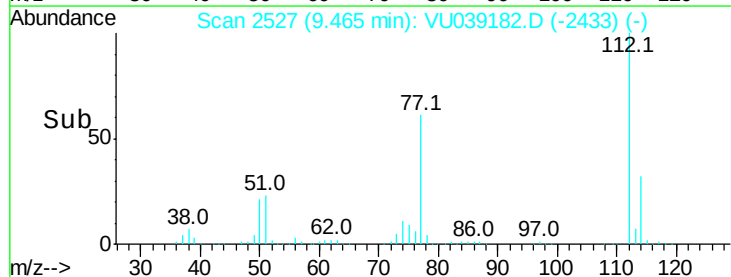
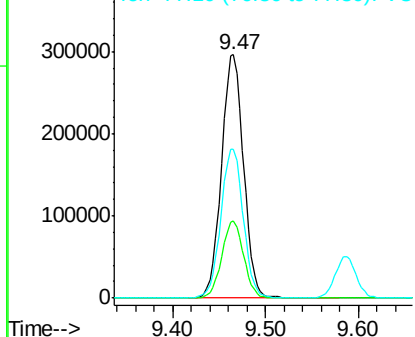


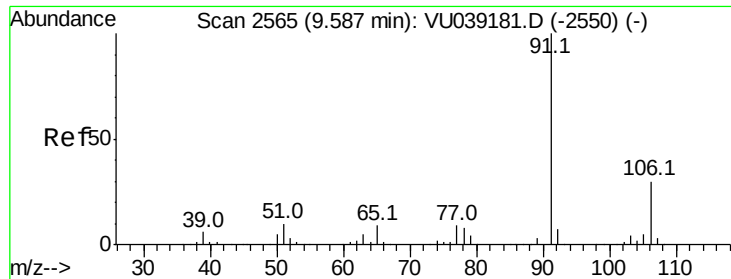
#51
Chlorobenzene
Concen: 10.052 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. 0.00 min
Lab File: VU039182.D
Acq: 29 Jun 2020 10:44

Tgt Ion:112 Resp: 488582
Ion Ratio Lower Upper
112 100
114 31.6 22.6 42.0
77 61.1 51.1 76.7



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: 10.638 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. 0.00 min

Lab File: VU039182.D

Acq: 29 Jun 2020 10:44

Instrument :

MSVOA_U

ClientSampleId :

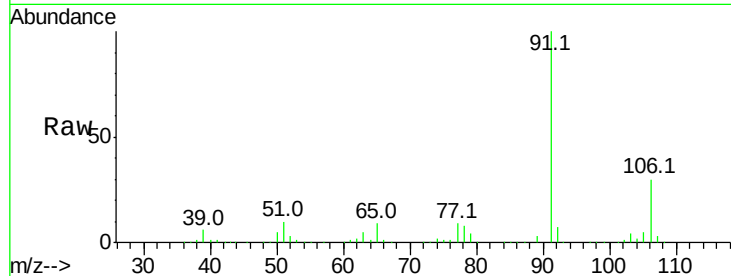
VSTD01005

Tgt Ion: 91 Resp: 863393

Ion Ratio Lower Upper

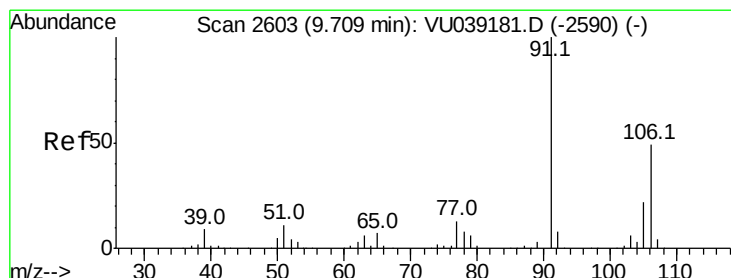
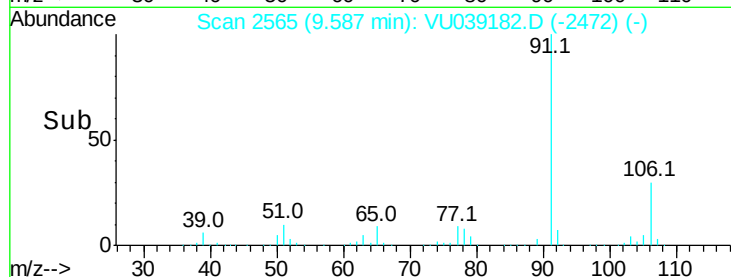
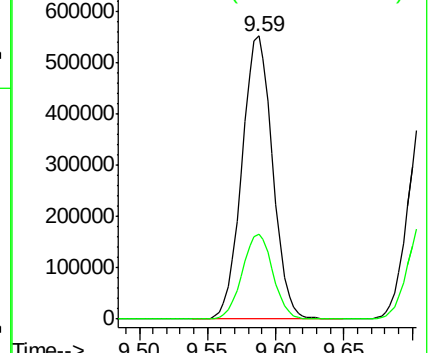
91 100

106 30.0 21.3 39.5



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 106.15 (105.85 to 106.85): V



#53

m,p-Xylene

Concen: 11.030 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VU039182.D

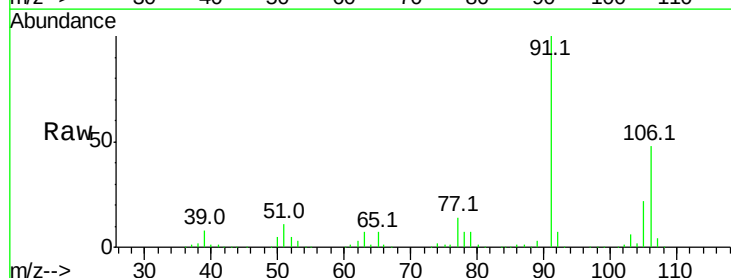
Acq: 29 Jun 2020 10:44

Tgt Ion: 106 Resp: 329170

Ion Ratio Lower Upper

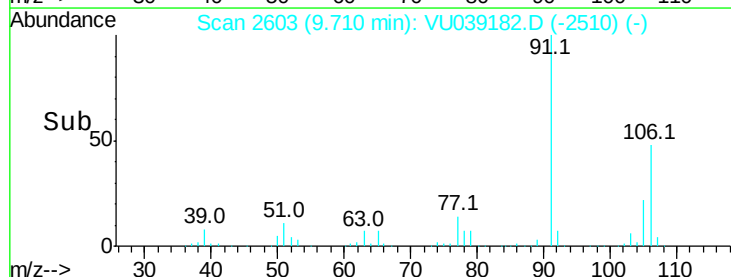
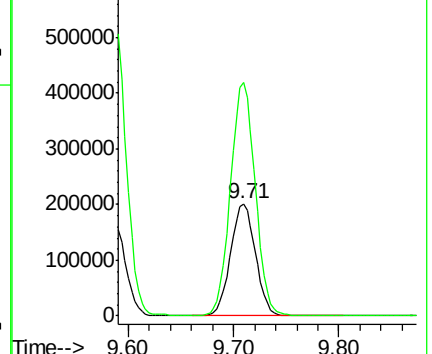
106 100

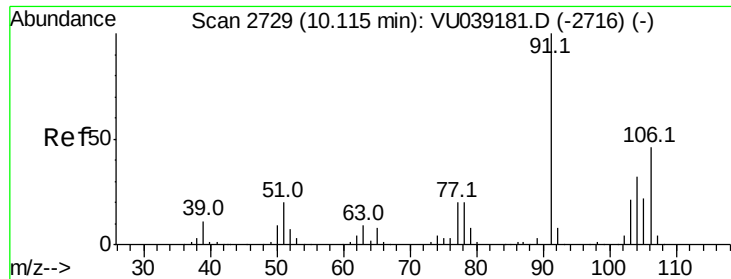
91 208.2 143.7 266.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0

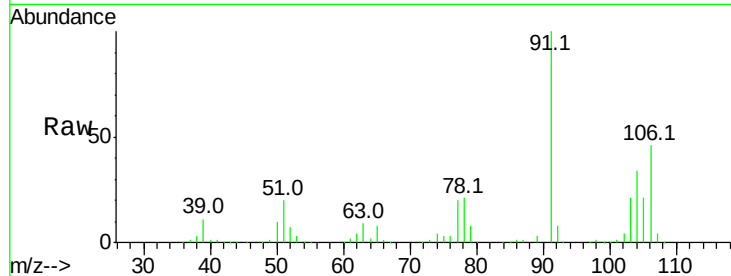




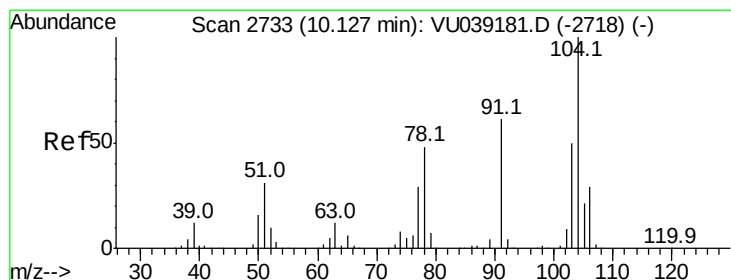
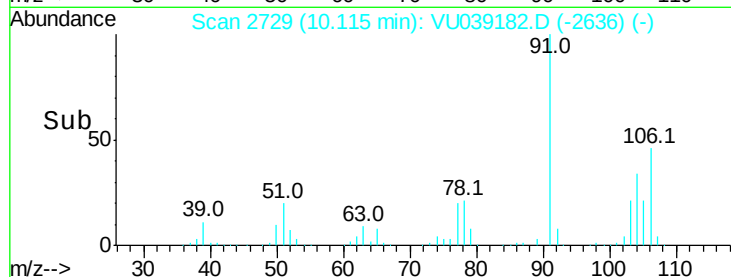
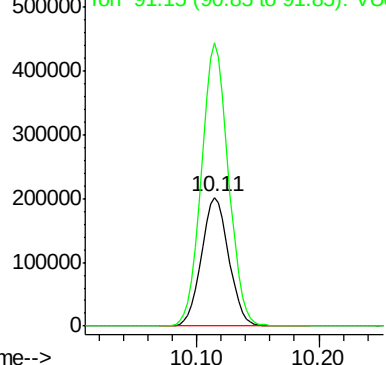
#54
o-Xylene
Concen: 11.011 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU039182.D
Acq: 29 Jun 2020 10:44

Instrument :
MSVOA_U
ClientSampleId :
VSTD01005

Tgt Ion:106 Resp: 315664
Ion Ratio Lower Upper
106 100
91 219.2 153.2 284.6

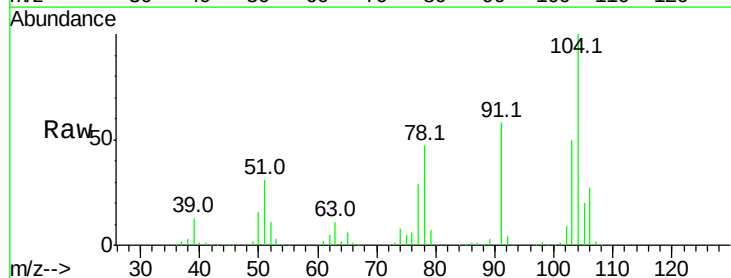


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

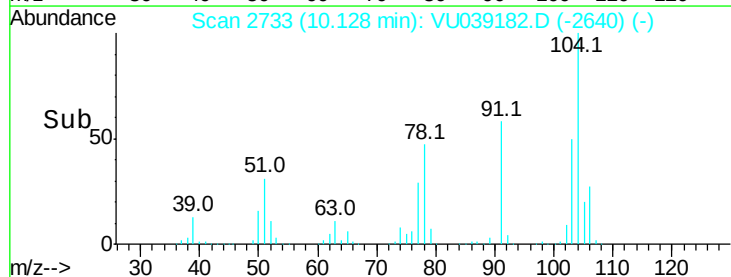
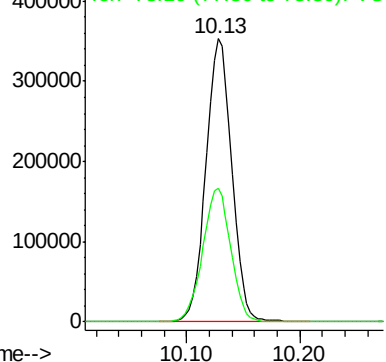


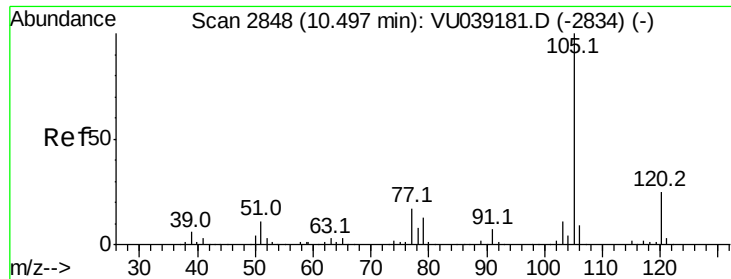
#55
Styrene
Concen: 11.186 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU039182.D
Acq: 29 Jun 2020 10:44

Tgt Ion:104 Resp: 563177
Ion Ratio Lower Upper
104 100
78 47.4 33.5 62.1



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 11.076 ug/L

RT: 10.50 min Scan# 2848

Delta R.T. 0.00 min

Lab File: VU039182.D

Acq: 29 Jun 2020 10:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD01005

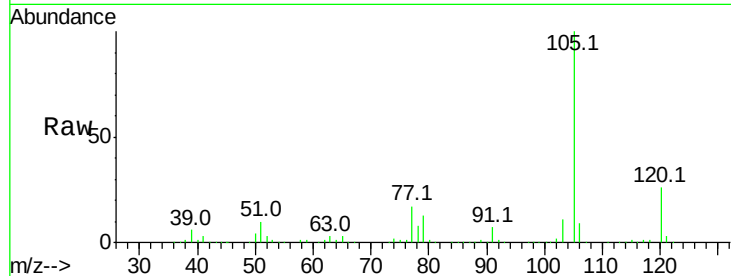
Tgt Ion:105 Resp: 832032

Ion Ratio Lower Upper

105 100

120 25.8 20.1 30.1

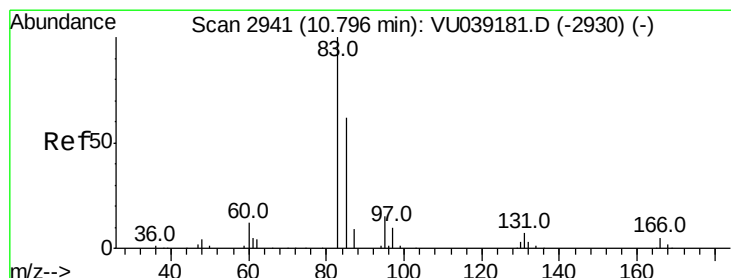
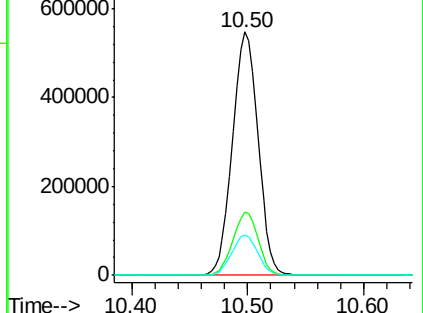
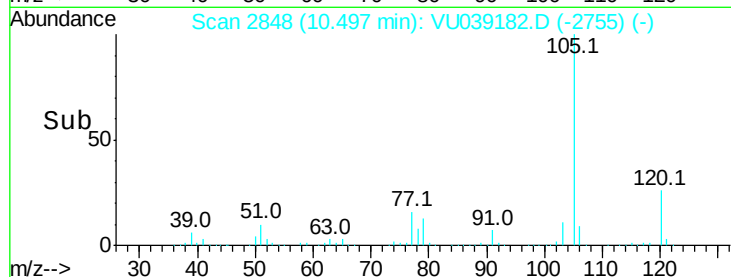
77 16.7 13.4 20.2



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: 10.480 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. 0.00 min

Lab File: VU039182.D

Acq: 29 Jun 2020 10:44

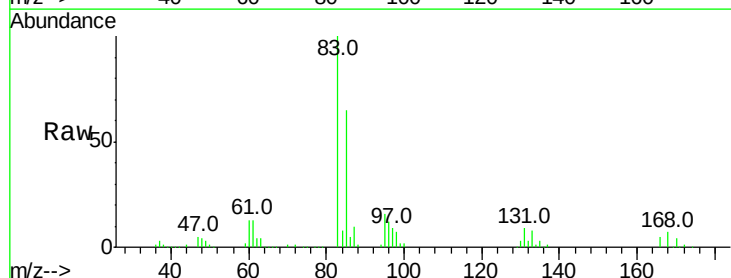
Tgt Ion: 83 Resp: 219486

Ion Ratio Lower Upper

83 100

85 64.7 43.4 80.6

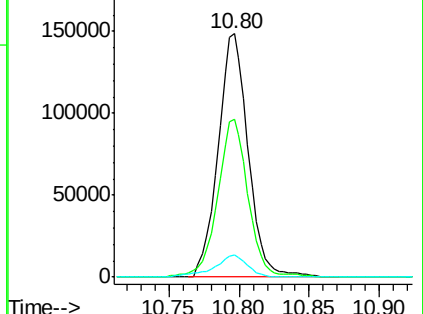
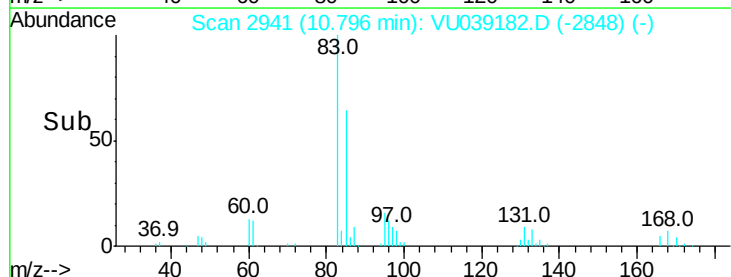
131 8.9 6.5 9.7

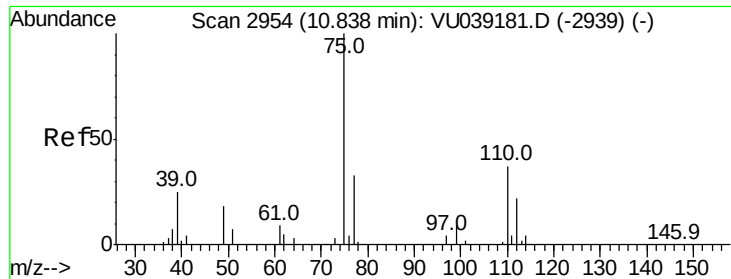


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

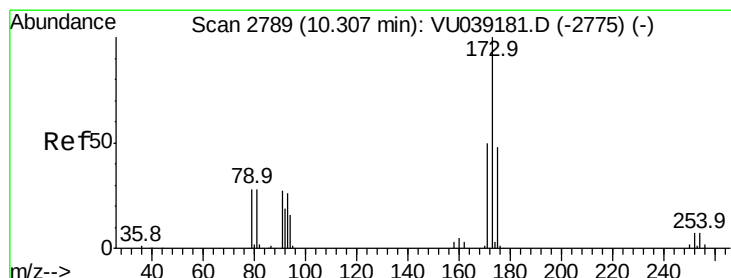
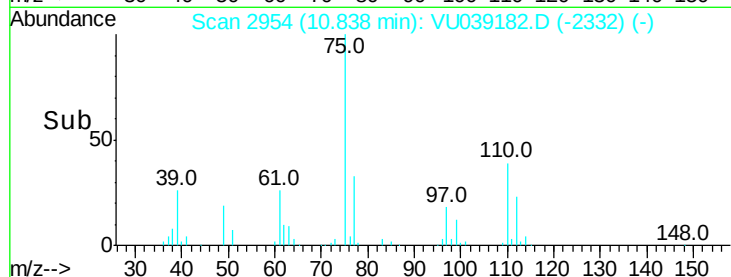
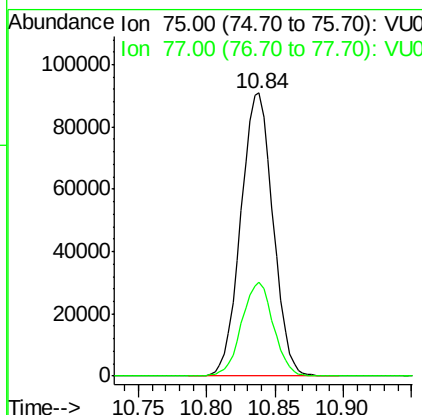
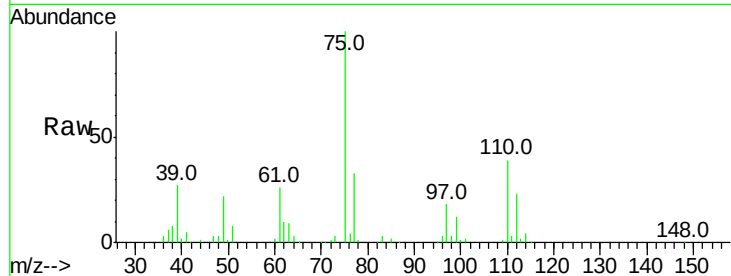




#59
 1,2,3-Trichloropropane
 Concen: 9.385 ug/L
 RT: 10.84 min Scan# 2954
 Delta R.T. 0.00 min
 Lab File: VU039182.D
 Acq: 29 Jun 2020 10:44

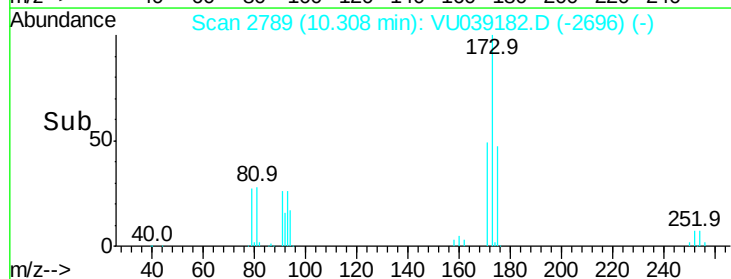
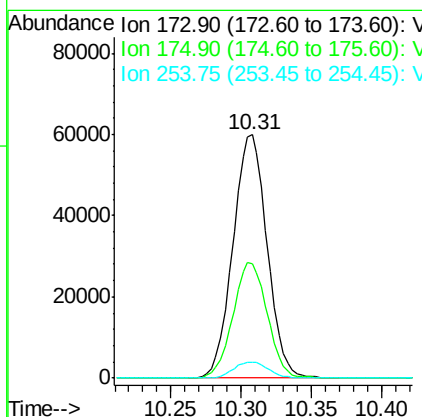
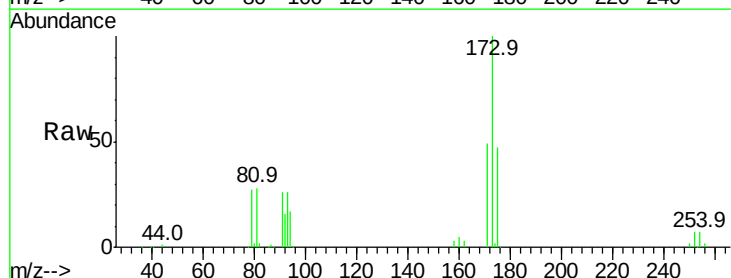
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01005

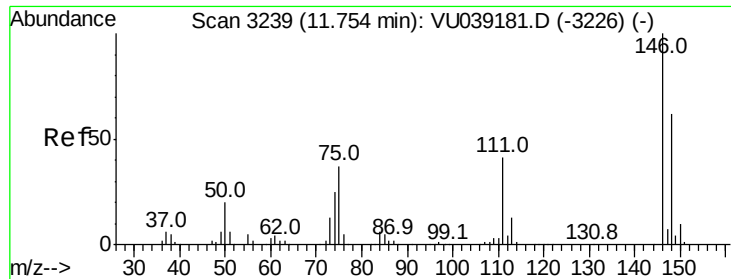
Tgt Ion: 75 Resp: 149116
 Ion Ratio Lower Upper
 75 100
 77 32.7 25.6 38.4



#61
 Bromoform
 Concen: 9.848 ug/L
 RT: 10.31 min Scan# 2789
 Delta R.T. 0.00 min
 Lab File: VU039182.D
 Acq: 29 Jun 2020 10:44

Tgt Ion: 173 Resp: 101613
 Ion Ratio Lower Upper
 173 100
 175 47.8 39.3 58.9
 254 6.8 5.5 8.3





#62

1,3-Dichlorobenzene

Concen: 10.175 ug/L

RT: 11.76 min Scan# 3240

Delta R.T. 0.00 min

Lab File: VU039182.D

Acq: 29 Jun 2020 10:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD01005

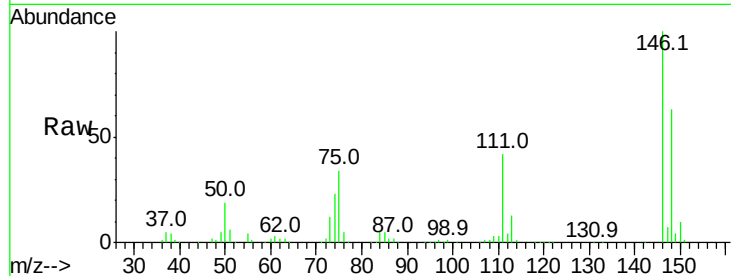
Tgt Ion:146 Resp: 382184

Ion Ratio Lower Upper

146 100

111 41.7 29.0 53.8

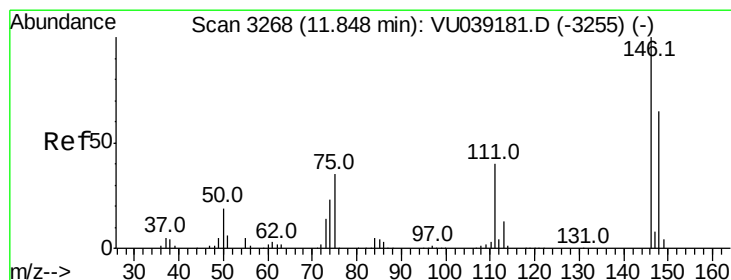
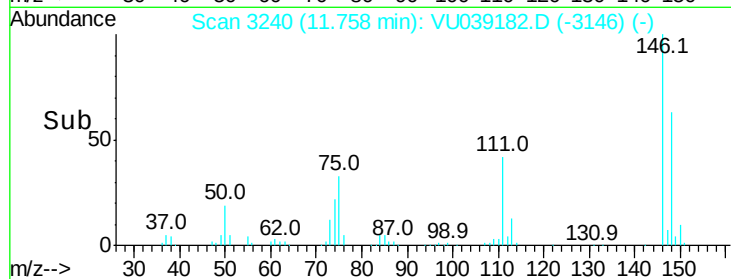
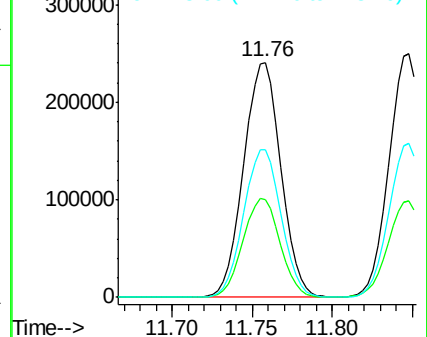
148 63.1 43.2 80.2



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



#63

1,4-Dichlorobenzene

Concen: 9.990 ug/L

RT: 11.85 min Scan# 3268

Delta R.T. 0.00 min

Lab File: VU039182.D

Acq: 29 Jun 2020 10:44

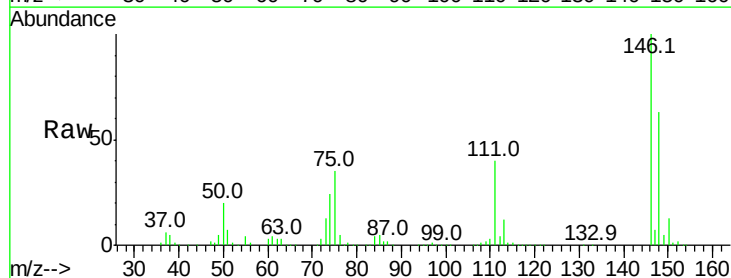
Tgt Ion:146 Resp: 386467

Ion Ratio Lower Upper

146 100

111 39.7 28.3 52.5

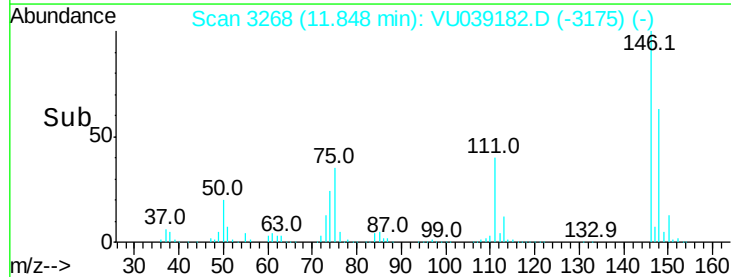
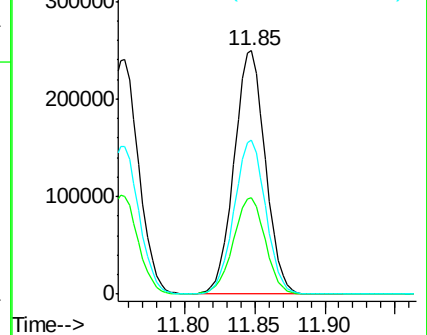
148 63.1 45.8 85.2

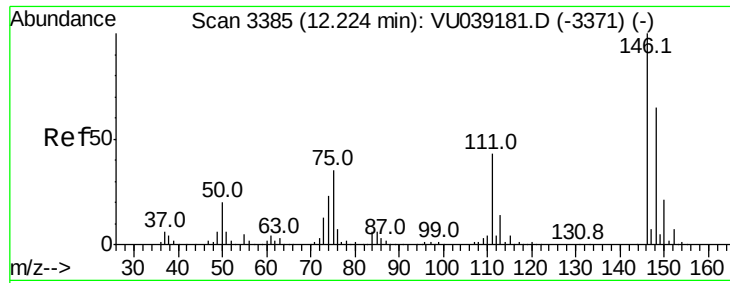


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

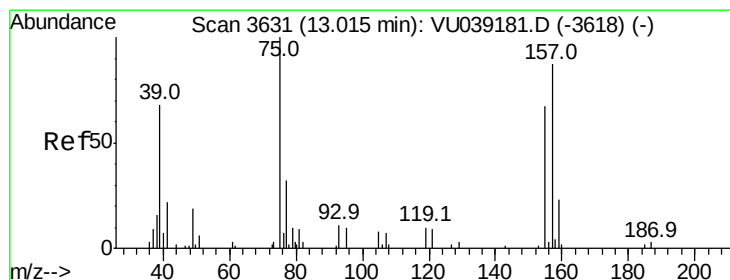
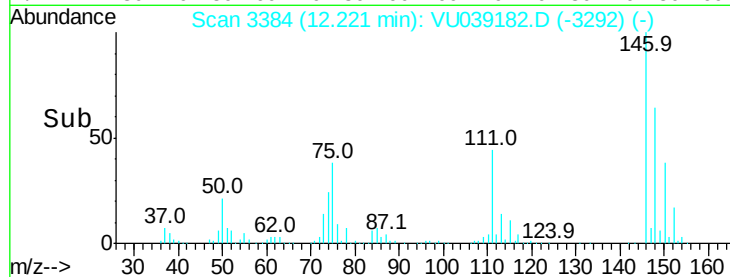
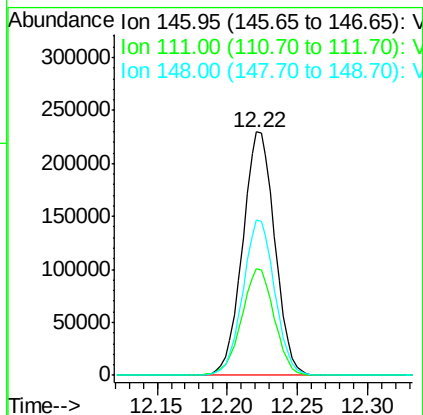
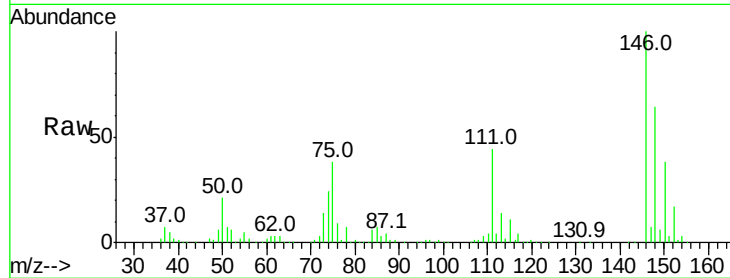




#65
 1,2-Dichlorobenzene
 Concen: 9.752 ug/L
 RT: 12.22 min Scan# 3384
 Delta R.T. -0.00 min
 Lab File: VU039182.D
 Acq: 29 Jun 2020 10:44

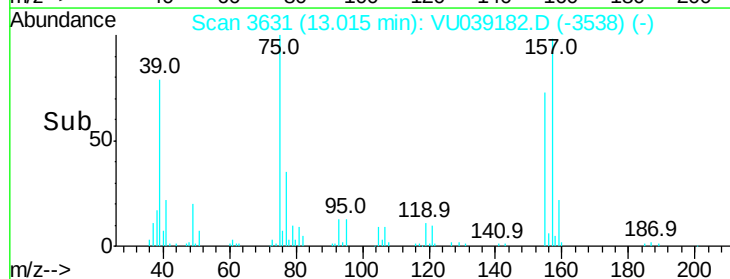
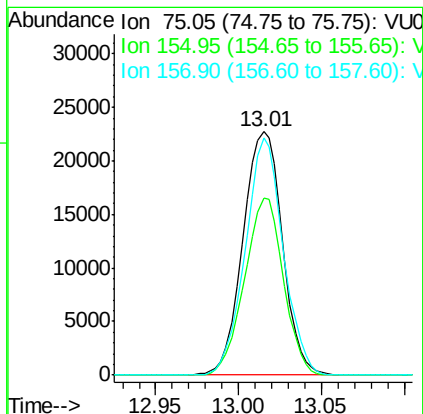
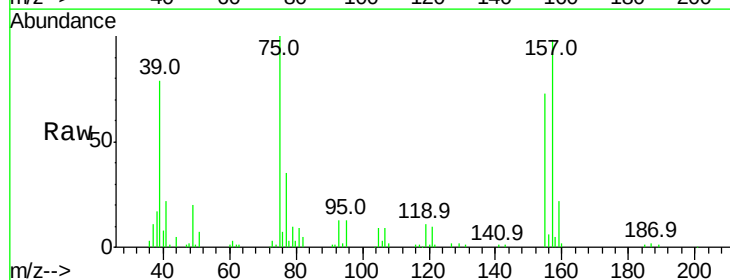
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01005

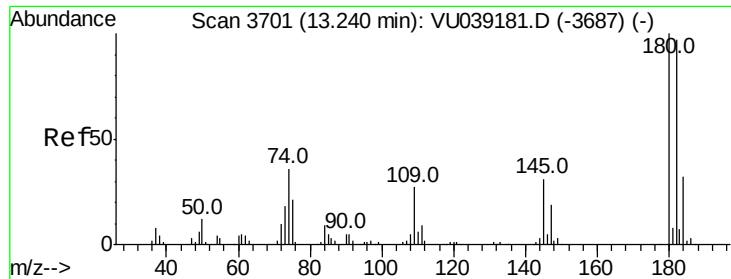
Tgt Ion:146 Resp: 367298
 Ion Ratio Lower Upper
 146 100
 111 43.6 34.7 52.1
 148 63.6 51.8 77.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 9.049 ug/L
 RT: 13.01 min Scan# 3631
 Delta R.T. 0.00 min
 Lab File: VU039182.D
 Acq: 29 Jun 2020 10:44

Tgt Ion: 75 Resp: 37596
 Ion Ratio Lower Upper
 75 100
 155 73.0 53.8 80.8
 157 97.5 69.4 104.2

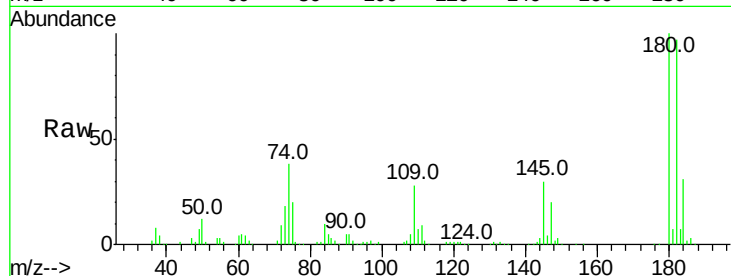




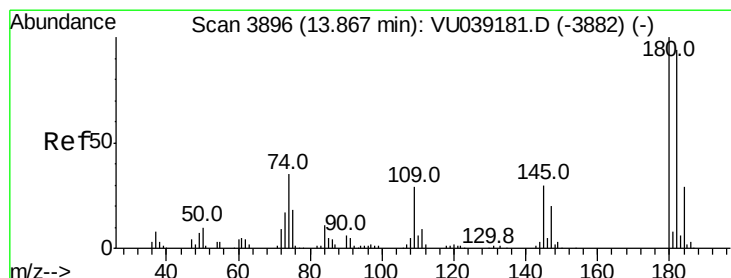
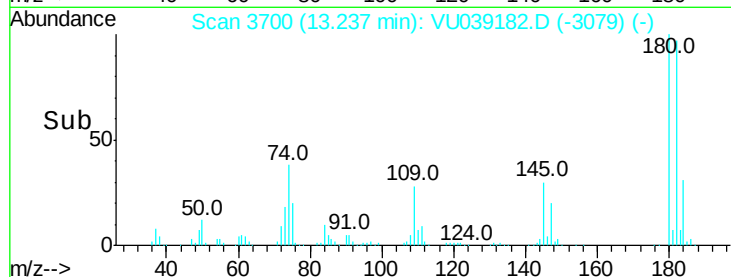
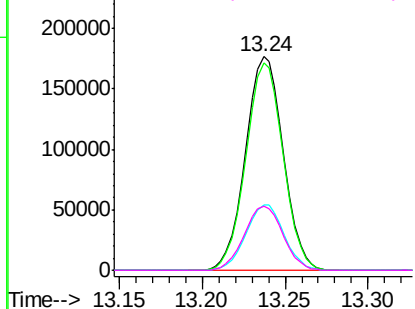
#67
 1,3,5-Trichlorobenzene
 Concen: 10.080 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. -0.00 min
 Lab File: VU039182.D
 Acq: 29 Jun 2020 10:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01005

Tgt Ion:180 Resp: 280214
 Ion Ratio Lower Upper
 180 100
 182 95.8 77.5 116.3
 184 30.8 25.1 37.7
 145 30.8 24.4 36.6

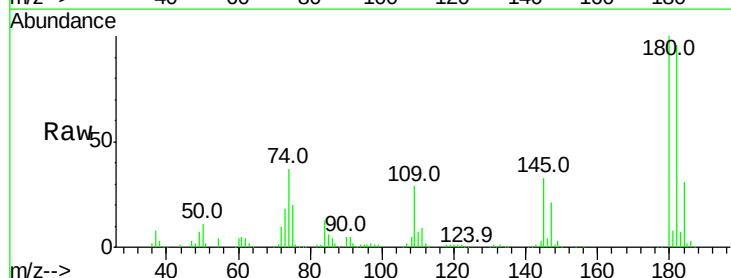


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

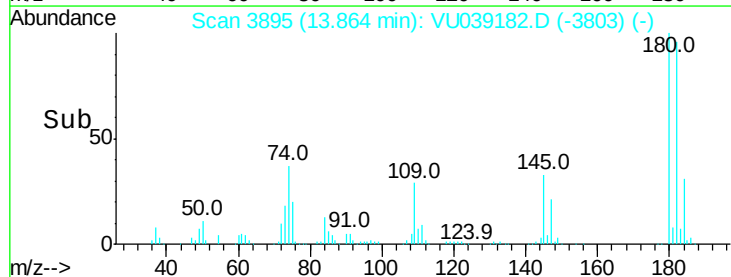
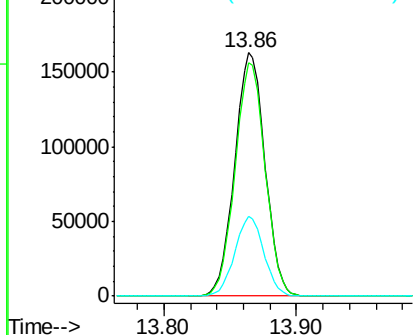


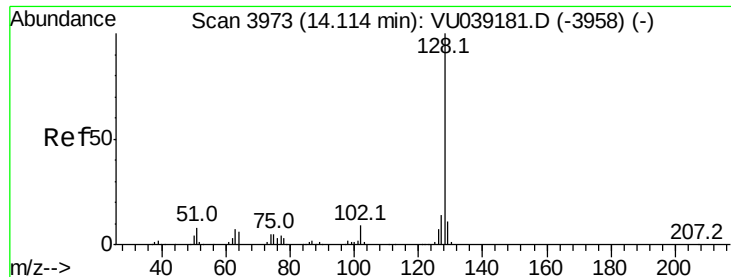
#68
 1,2,4-trichlorobenzene
 Concen: 10.163 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. -0.00 min
 Lab File: VU039182.D
 Acq: 29 Jun 2020 10:44

Tgt Ion:180 Resp: 257333
 Ion Ratio Lower Upper
 180 100
 182 95.3 75.4 113.0
 145 31.5 25.3 37.9



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: 9.888 ug/L

RT: 14.11 min Scan# 3972

Delta R.T. -0.00 min

Lab File: VU039182.D

Acq: 29 Jun 2020 10:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD01005

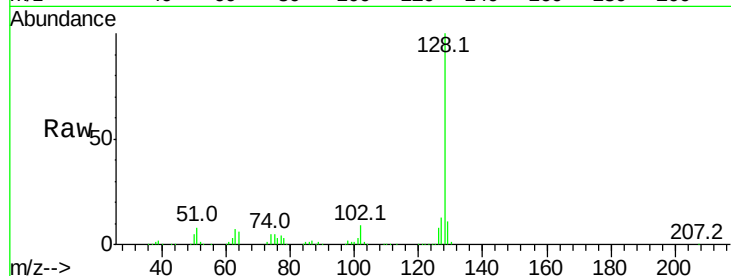
Tgt Ion:128 Resp: 534141

Ion Ratio Lower Upper

128 100

129 10.6 8.8 13.2

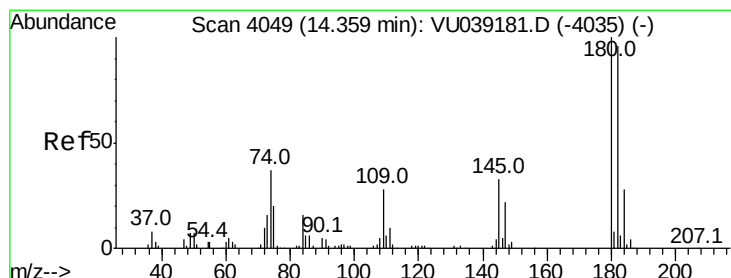
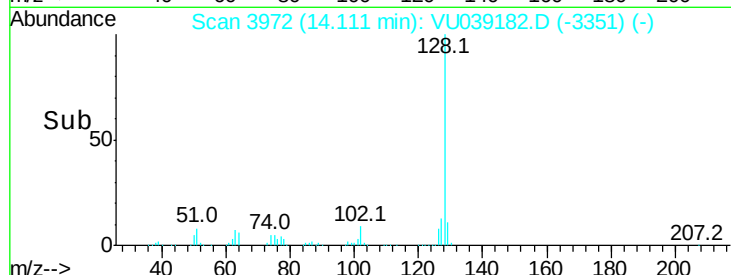
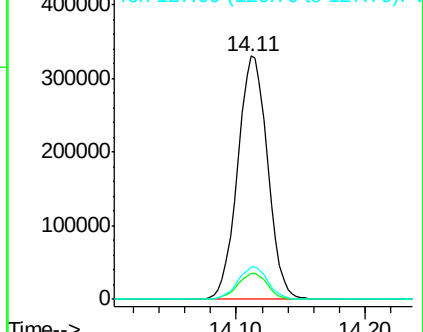
127 13.4 10.7 16.1



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: 10.150 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. 0.00 min

Lab File: VU039182.D

Acq: 29 Jun 2020 10:44

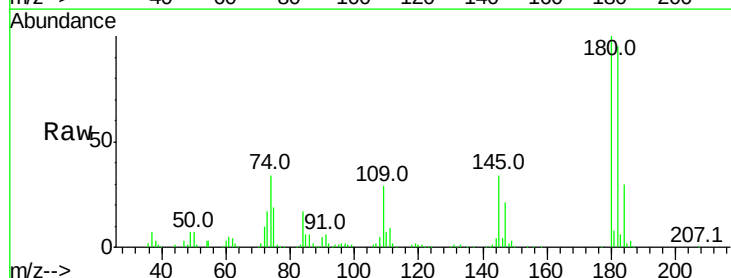
Tgt Ion:180 Resp: 248073

Ion Ratio Lower Upper

180 100

182 94.0 76.8 115.2

145 33.8 26.4 39.6



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

