

Data File : VU039282.D
Acq On : 06 Jul 2020 10:56
Operator : SY/MD
Sample : VSTD01001
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD01001

Quant Time: Jul 06 11:22:46 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Jul 06 10:57:06 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	133965	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	127112	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	63146	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	101762	10.66	ug/L	0.00
7) Chloroethane-d5	1.93	69	95167	11.23	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	190909	10.01	ug/L	0.00
20) 2-Butanone-d5	4.66	46	400479	128.98	ug/L	0.00
24) Chloroform-d	5.09	84	201390	10.20	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	121225	10.74	ug/L	0.00
32) Benzene-d6	5.74	84	404559	13.54	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.71	67	133445	13.99	ug/L	0.00
41) Toluene-d8	7.91	98	367762	13.34	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	61987	12.79	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	328158	134.81	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.76	84	126448	12.95	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.19	152	140325	12.71	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	76624	6.542 ug/L	99
3) Chloromethane	1.53	50	93031	7.267 ug/L	95
5) Vinyl chloride	1.61	62	96892	7.664 ug/L	95
6) Bromomethane	1.87	94	59297	7.656 ug/L	95
8) Chloroethane	1.94	64	66026	7.806 ug/L	97
9) Trichlorofluoromethane	2.15	101	191085	9.901 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	75289	7.964 ug/L	98
12) 1,1-Dichloroethene	2.59	96	73127	8.375 ug/L	95
13) Acetone	2.66	43	174039	78.028 ug/L	98
14) Carbon disulfide	2.81	76	235480	8.349 ug/L	100
15) Methyl Acetate	2.97	43	45792	9.032 ug/L	99
16) Methylene chloride	3.06	84	87325	7.826 ug/L	99
17) Methyl tert-butyl Ether	3.38	73	240643	8.421 ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	81336	8.162 ug/L	99
19) 1,1-Dichloroethane	3.89	63	161825	8.040 ug/L	98
21) 2-Butanone	4.74	43	322942	91.100 ug/L	97
22) cis-1,2-Dichloroethene	4.69	96	90853	8.853 ug/L	100
23) Bromochloromethane	5.00	128	42355	8.488 ug/L	97
25) Chloroform	5.11	83	166465	7.987 ug/L	96
27) 1,2-Dichloroethane	5.81	62	120558	8.229 ug/L	98
29) 1,1,1-Trichloroethane	5.34	97	145388	9.159 ug/L	99
30) Cyclohexane	5.41	56	149708	10.550 ug/L	99
31) Carbon tetrachloride	5.54	117	120697	9.136 ug/L	99
33) Benzene	5.79	78	348050	9.660 ug/L	100
34) Trichloroethene	6.56	95	92290	9.899 ug/L	97
35) Methylcyclohexane	6.78	83	149800	10.853 ug/L	99
37) 1,2-Dichloropropane	6.81	63	97059	10.183 ug/L	99
38) Bromodichloromethane	7.12	83	127722	9.869 ug/L	97
39) cis-1,3-Dichloropropene	7.62	75	153440	10.306 ug/L	94
40) 4-Methyl-2-pentanone	7.80	43	815185	104.847 ug/L	100

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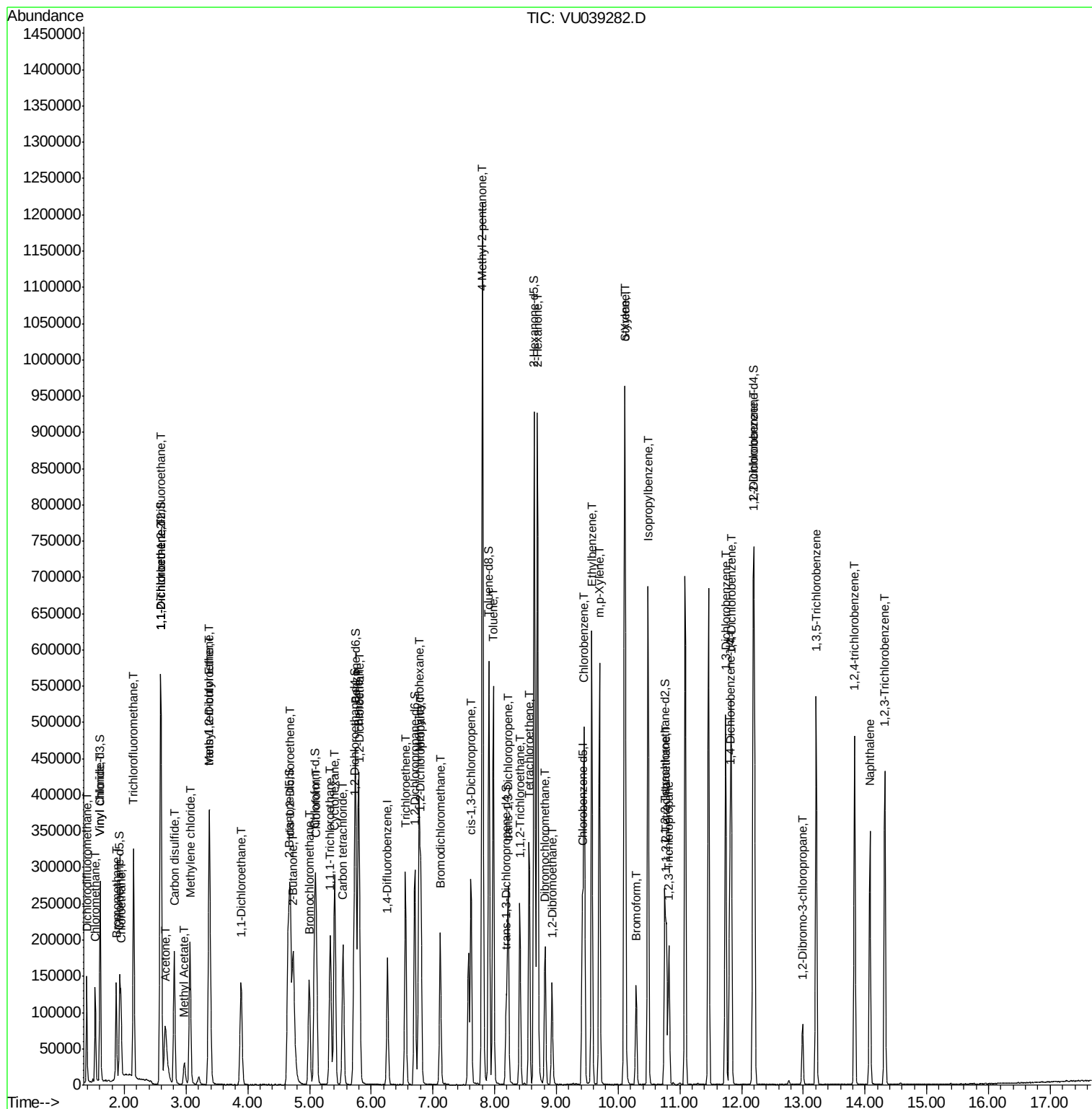
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.98	91	380212	9.399	ug/L	99
44) trans-1,3-Dichloropropene	8.22	75	139433	9.502	ug/L	97
45) 1,1,2-Trichloroethane	8.41	97	74246	9.318	ug/L	99
47) Tetrachloroethene	8.56	164	66259	9.534	ug/L	96
48) 2-Hexanone	8.69	43	605621	95.648	ug/L	98
49) Dibromochloromethane	8.82	129	92385	10.333	ug/L	99
50) 1,2-Dibromoethane	8.93	107	73082	9.672	ug/L	96
51) Chlorobenzene	9.45	112	241518	9.392	ug/L	99
52) Ethylbenzene	9.57	91	429009	9.885	ug/L	100
53) m,p-Xylene	9.70	106	159603	10.052	ug/L	98
54) o-Xylene	10.10	106	158401	10.385	ug/L	96
55) Styrene	10.11	104	276809	10.293	ug/L	98
56) Isopropylbenzene	10.48	105	431236	10.630	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.78	83	100883	9.578	ug/L	96
59) 1,2,3-Trichloropropane	10.82	75	73083	9.276	ug/L	96
61) Bromoform	10.29	173	57008	11.015	ug/L	97
62) 1,3-Dichlorobenzene	11.74	146	194689	9.797	ug/L	97
63) 1,4-Dichlorobenzene	11.83	146	186601	9.444	ug/L	98
65) 1,2-Dichlorobenzene	12.21	146	187671	9.452	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.99	75	19188	9.596	ug/L	87
67) 1,3,5-Trichlorobenzene	13.21	180	145192	9.823	ug/L	97
68) 1,2,4-trichlorobenzene	13.83	180	130716	10.476	ug/L	99
69) Naphthalene	14.08	128	267911	11.938	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	119328	10.283	ug/L	98

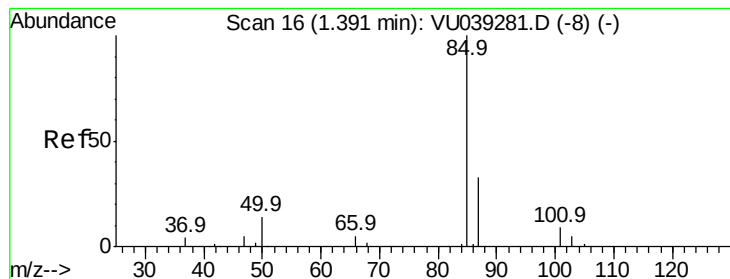
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 6.542 ug/L

RT: 1.39 min Scan# 16

Delta R.T. -0.00 min

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Instrument :

MSVOA_U

ClientSampleId :

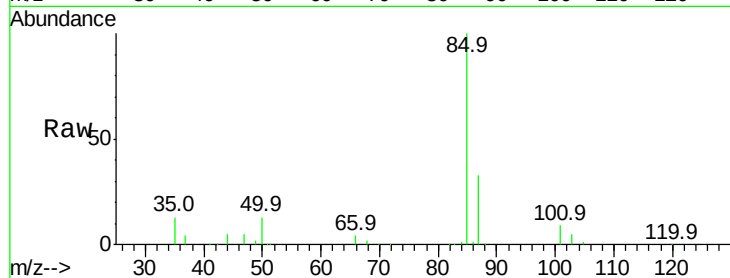
VSTD01001

Tgt Ion: 85 Resp: 76624

Ion Ratio Lower Upper

85 100

87 32.5 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VU039282.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU039282.D (-8) (-)

1.39

80000

60000

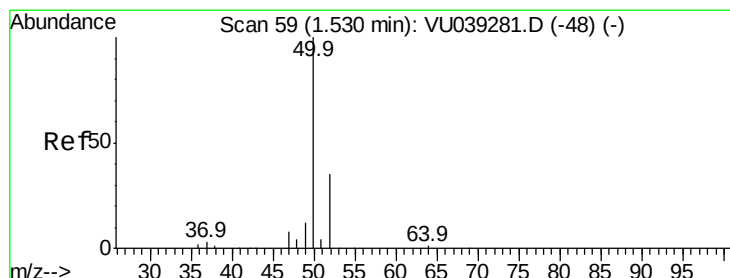
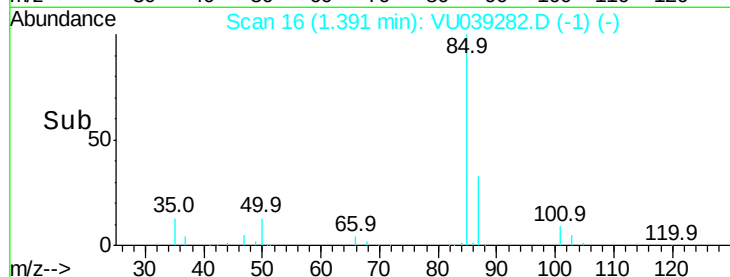
40000

20000

0

1.35 1.40 1.45

Time-->



#3

Chloromethane

Concen: 7.267 ug/L

RT: 1.53 min Scan# 59

Delta R.T. -0.00 min

Lab File: VU039282.D

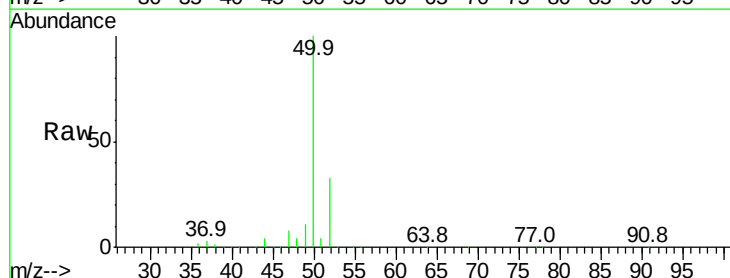
Acq: 06 Jul 2020 10:56

Tgt Ion: 50 Resp: 93031

Ion Ratio Lower Upper

50 100

52 32.6 24.7 45.9



Abundance Ion 50.05 (49.75 to 50.75): VU039282.D (-48) (-)

Ion 52.05 (51.75 to 52.75): VU039282.D (-48) (-)

1.53

80000

60000

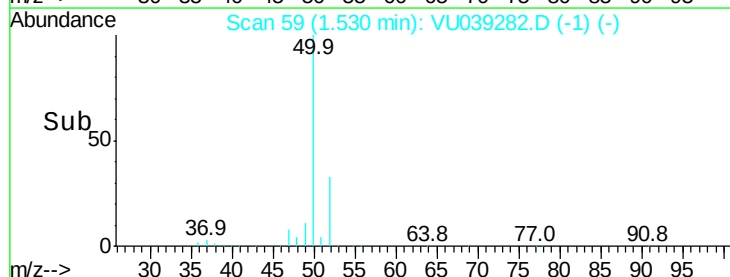
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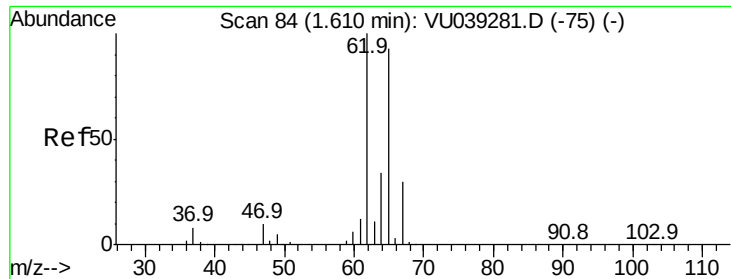
20000

0

1.50 1.55 1.60

Time-->





#5

Vinyl chloride

Concen: 7.664 ug/L

RT: 1.61 min Scan# 85

Delta R.T. 0.00 min

Lab File: VU039282.D

Acq: 06 Jul 2020 10:56

Instrument :

MSVOA_U

ClientSampleId :

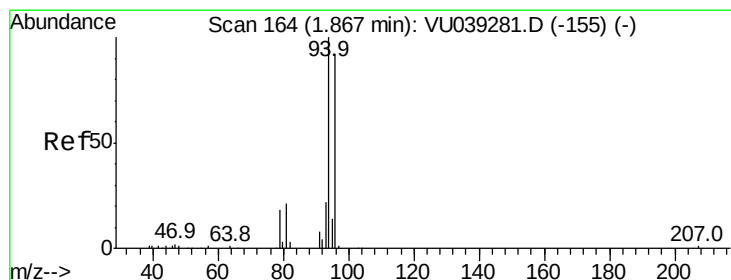
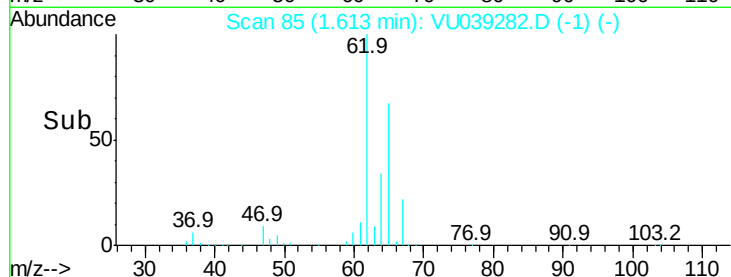
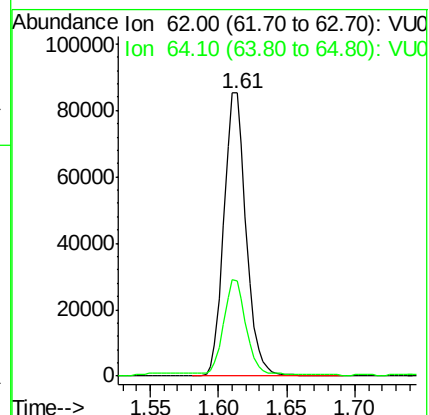
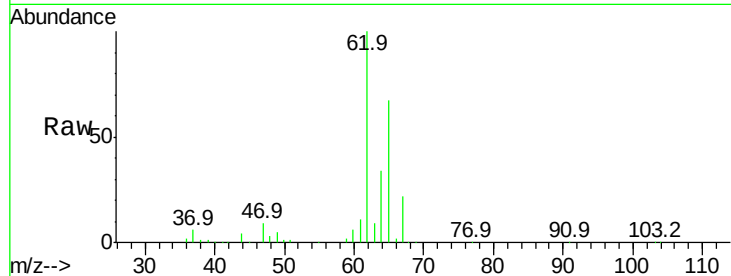
VSTD01001

Tgt Ion: 62 Resp: 96892

Ion Ratio Lower Upper

62 100

64 33.7 25.6 47.4



#6

Bromomethane

Concen: 7.656 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU039282.D

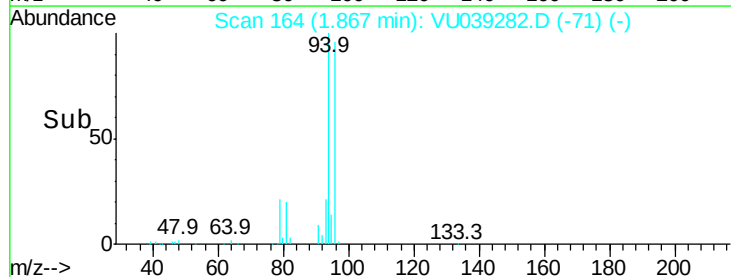
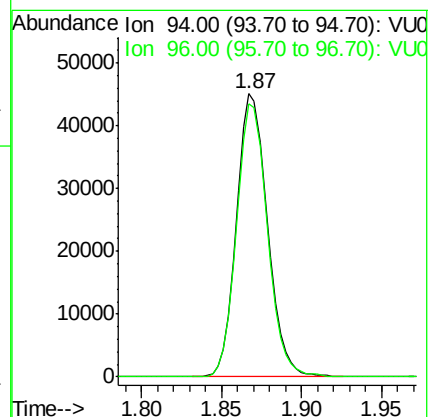
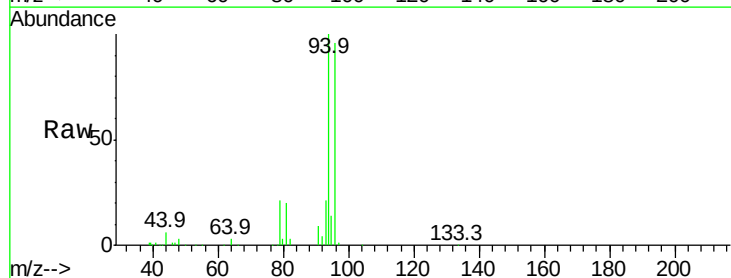
Acq: 06 Jul 2020 10:56

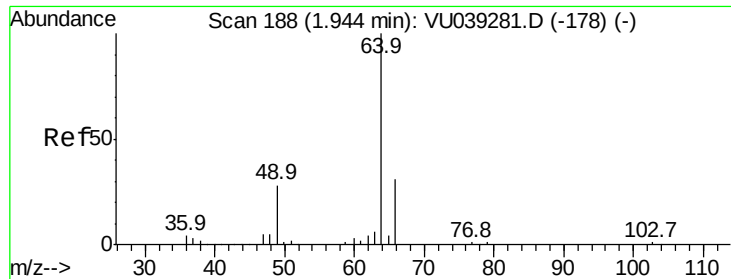
Tgt Ion: 94 Resp: 59297

Ion Ratio Lower Upper

94 100

96 96.3 64.3 119.5





#8

Chloroethane

Concen: 7.806 ug/L

RT: 1.94 min Scan# 188

Delta R.T. -0.00 min

Lab File: VU039282.D

Acq: 06 Jul 2020 10:56

Instrument :

MSVOA_U

ClientSampleId :

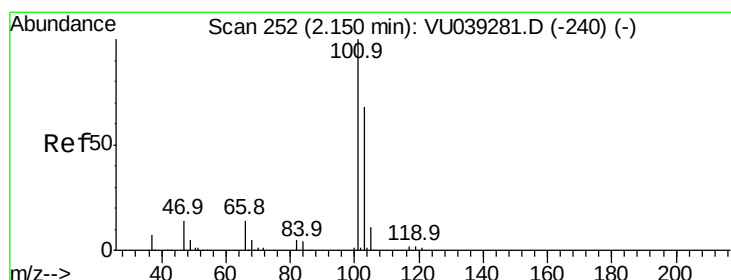
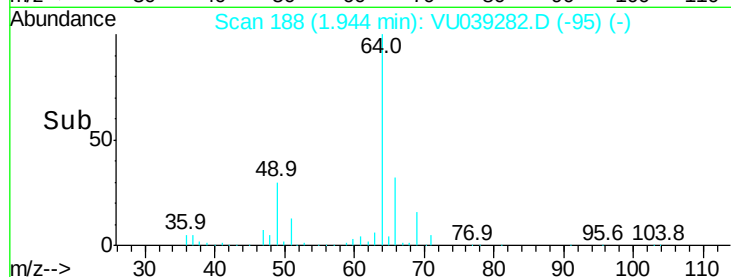
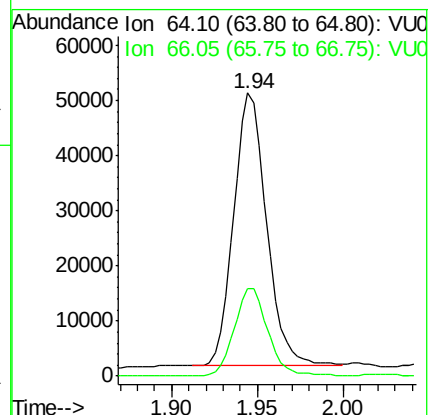
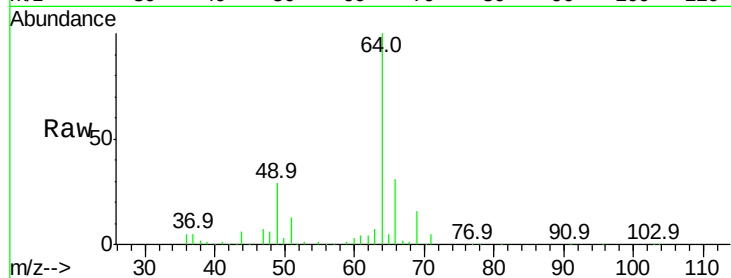
VSTD01001

Tgt Ion: 64 Resp: 66026

Ion Ratio Lower Upper

64 100

66 31.1 20.7 38.5



#9

Trichlorofluoromethane

Concen: 9.901 ug/L

RT: 2.15 min Scan# 252

Delta R.T. -0.00 min

Lab File: VU039282.D

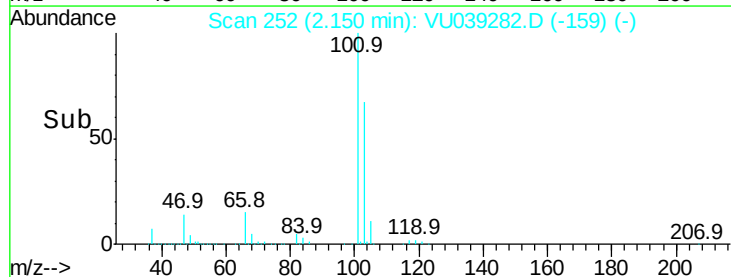
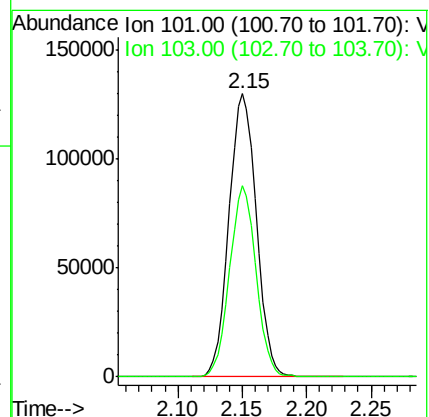
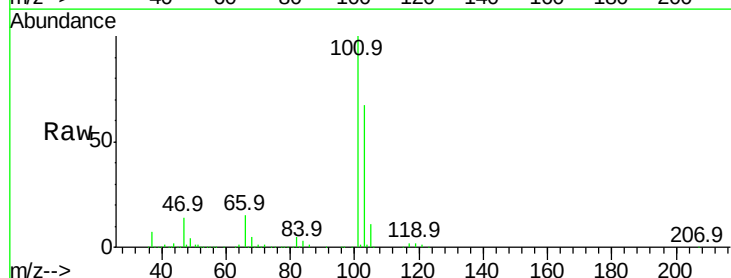
Acq: 06 Jul 2020 10:56

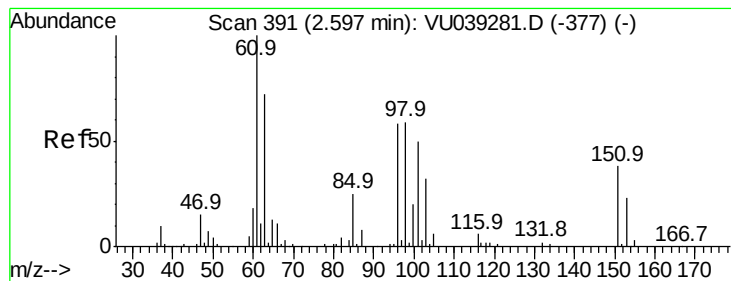
Tgt Ion: 101 Resp: 191085

Ion Ratio Lower Upper

101 100

103 65.0 53.4 80.2





#10

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

Concen: 7.964 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU039282.D

Acq: 06 Jul 2020 10:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD01001

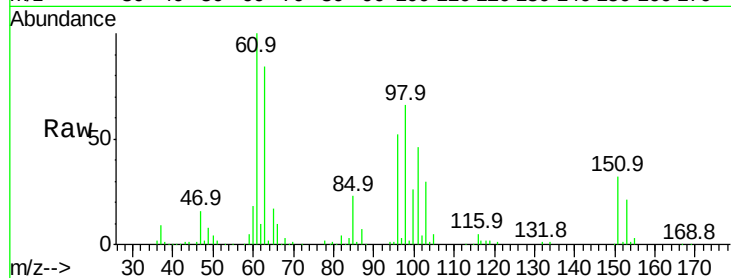
Tgt Ion: 101 Resp: 75289

Ion Ratio Lower Upper

101 100

85 49.4 38.4 57.6

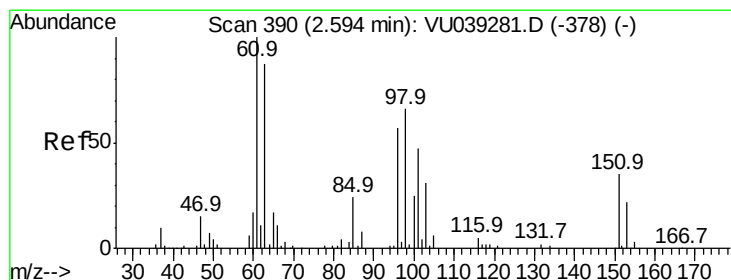
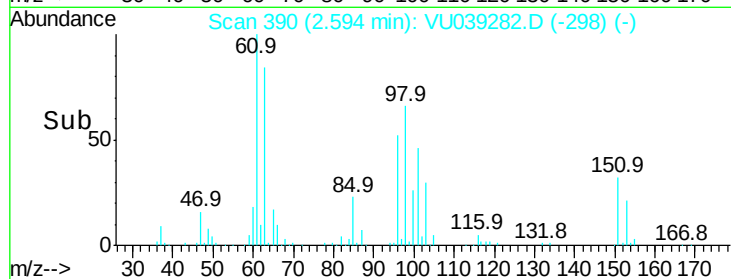
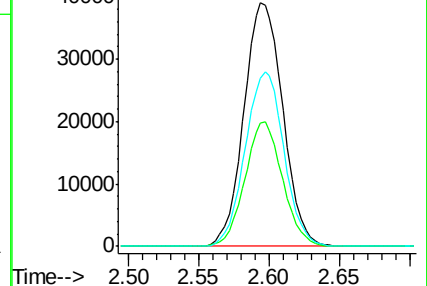
151 71.4 58.3 87.5



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: 8.375 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU039282.D

Acq: 06 Jul 2020 10:56

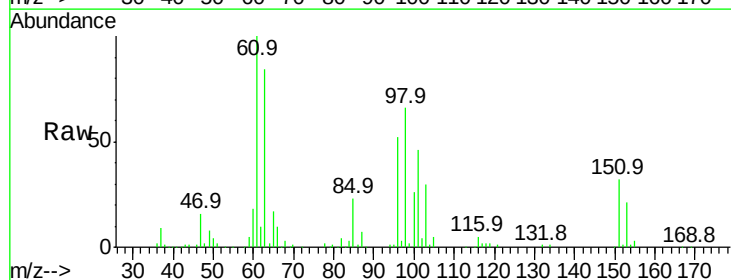
Tgt Ion: 96 Resp: 73127

Ion Ratio Lower Upper

96 100

61 191.3 123.8 230.0

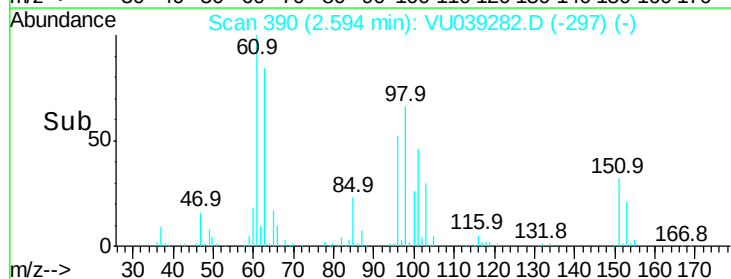
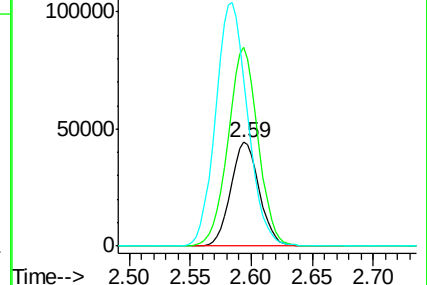
63 160.5 112.1 208.3

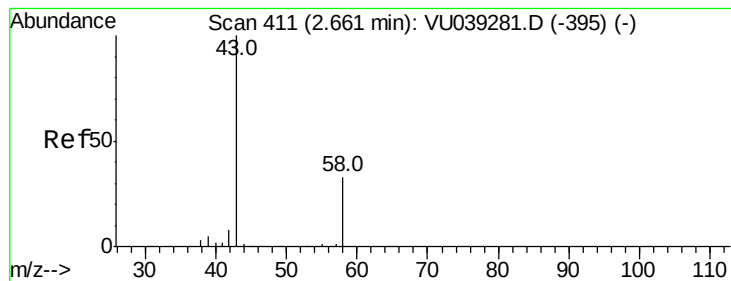


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 78.028 ug/L

RT: 2.66 min Scan# 411

Delta R.T. -0.00 min

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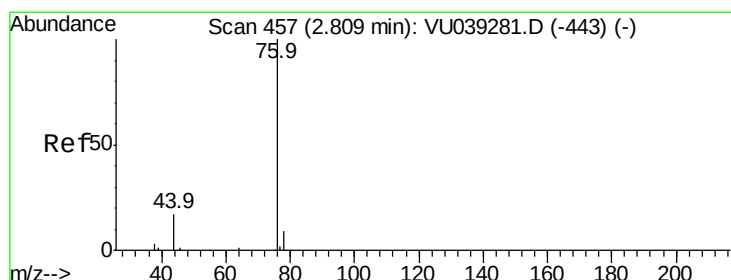
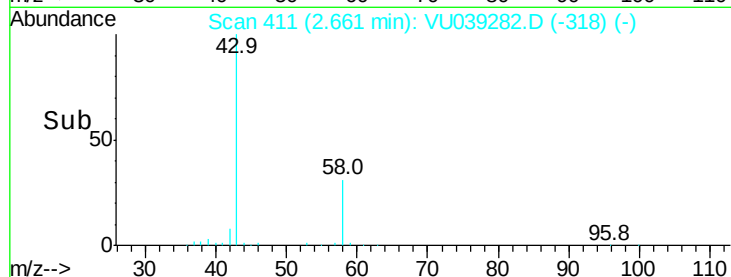
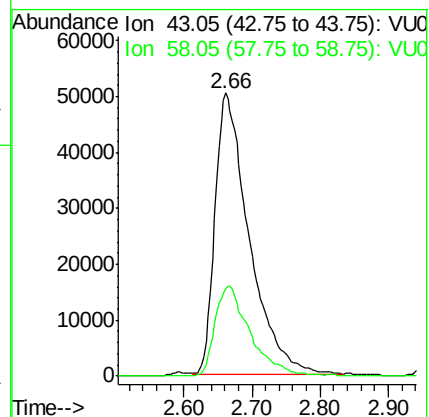
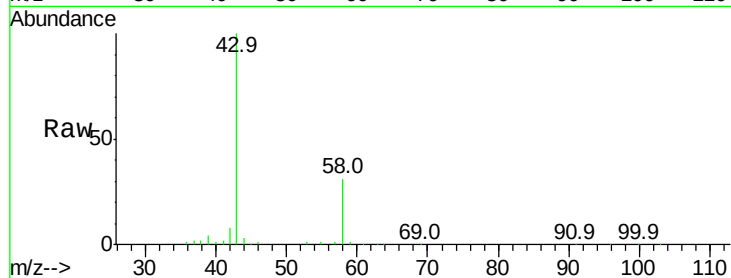
VSTD01001

Tgt Ion: 43 Resp: 174039

Ion Ratio Lower Upper

43 100

58 33.2 0.0 63.6



#14

Carbon disulfide

Concen: 8.349 ug/L

RT: 2.81 min Scan# 457

Delta R.T. -0.00 min

Lab File: VU039282.D

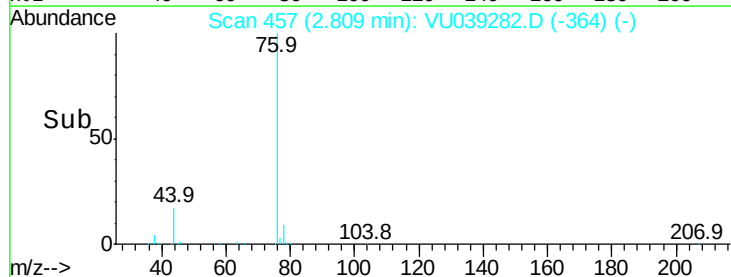
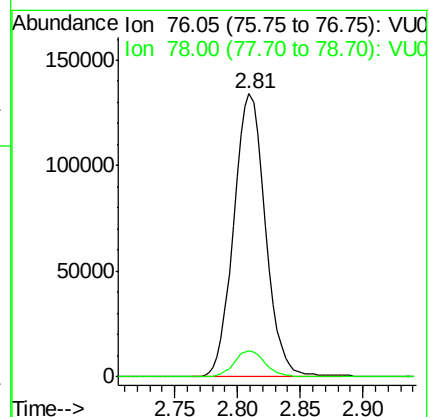
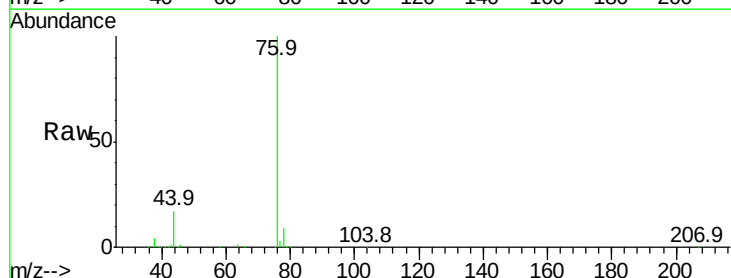
Acq: 06 Jul 2020 10:56

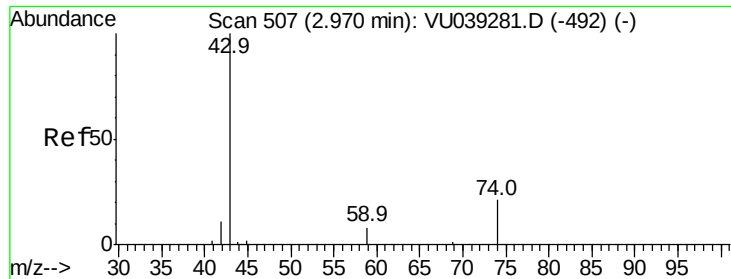
Tgt Ion: 76 Resp: 235480

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0

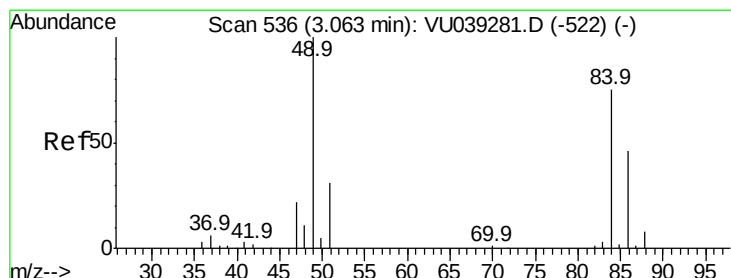
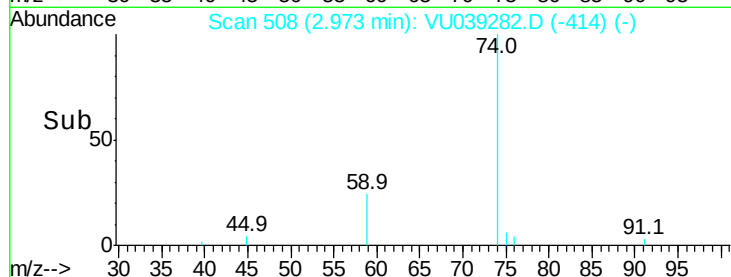
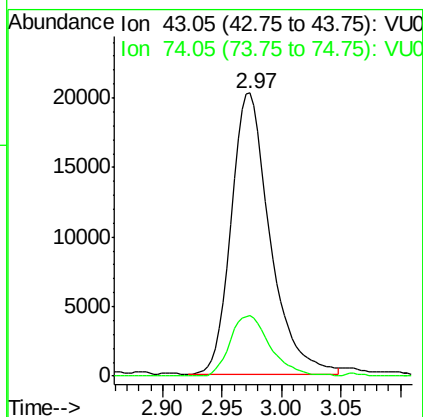
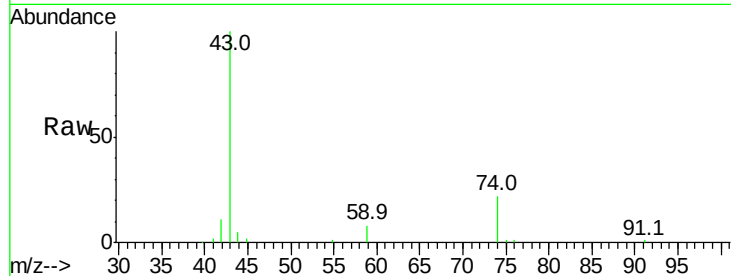




#15
Methyl Acetate
Concen: 9.032 ug/L
RT: 2.97 min Scan# 508
Delta R.T. 0.00 min
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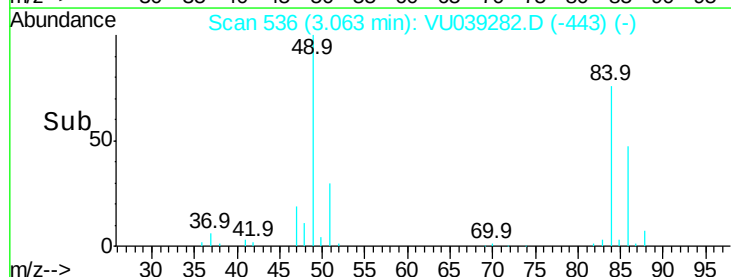
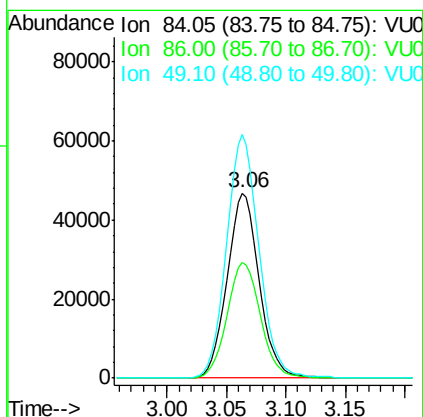
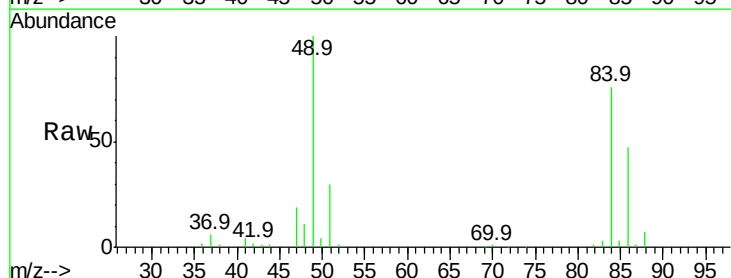
Instrument :
MSVOA_U
ClientSampleId :
VSTD01001

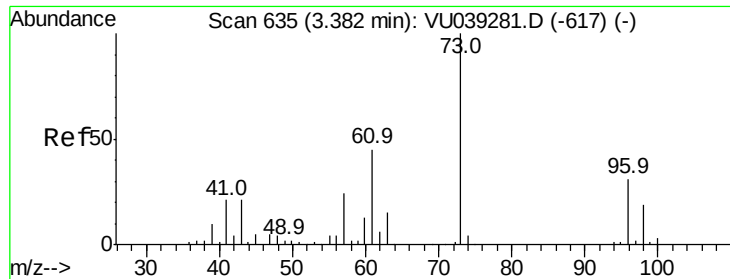
Tgt Ion: 43 Resp: 45792
Ion Ratio Lower Upper
43 100
74 22.2 17.5 26.3



#16
Methylene chloride
Concen: 7.826 ug/L
RT: 3.06 min Scan# 536
Delta R.T. -0.00 min
Lab File: VU039282.D
Acq: 06 Jul 2020 10:56

Tgt Ion: 84 Resp: 87325
Ion Ratio Lower Upper
84 100
86 62.2 42.6 79.0
49 131.4 93.0 172.8

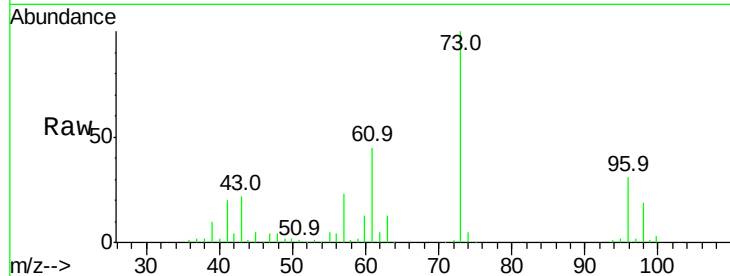




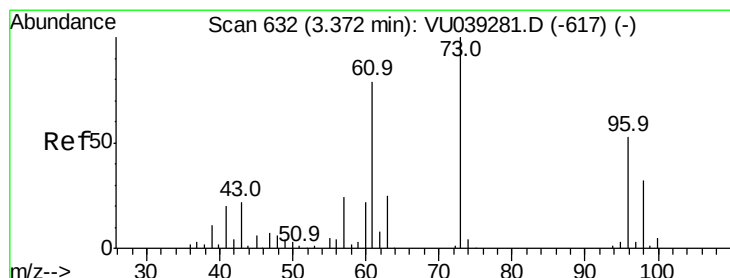
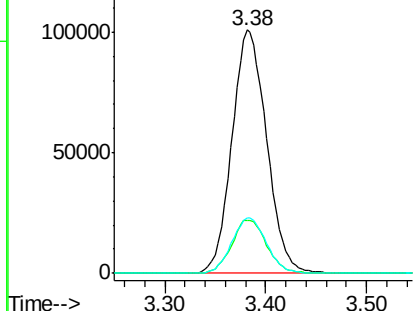
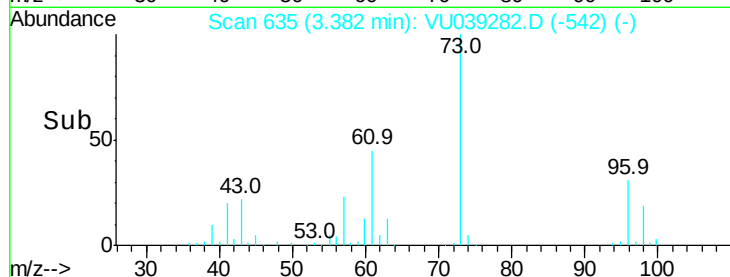
#17
Methyl tert-butyl Ether
Concen: 8.421 ug/L
RT: 3.38 min Scan# 635
Delta R.T. -0.00 min
Lab File: VU039282.D
Acq: 06 Jul 2020 10:56

Instrument :
MSVOA_U
ClientSampleId :
VSTD01001

Tgt Ion: 73 Resp: 240643
Ion Ratio Lower Upper
73 100
43 22.2 17.5 26.3
57 22.9 18.6 27.8

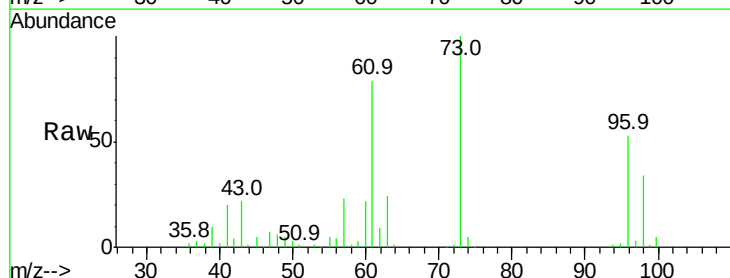


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

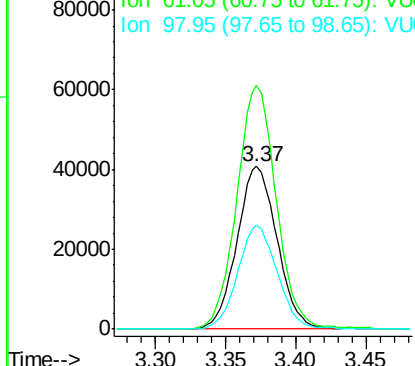
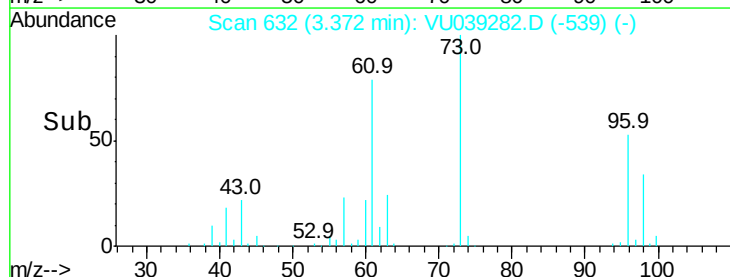


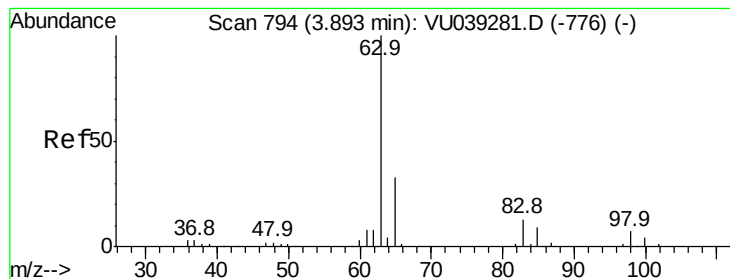
#18
trans-1,2-Dichloroethene
Concen: 8.162 ug/L
RT: 3.37 min Scan# 632
Delta R.T. -0.00 min
Lab File: VU039282.D
Acq: 06 Jul 2020 10:56

Tgt Ion: 96 Resp: 81336
Ion Ratio Lower Upper
96 100
61 149.7 104.7 194.5
98 63.8 43.1 80.1



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: 8.040 ug/L

RT: 3.89 min Scan# 794

Delta R.T. -0.00 min

Lab File: VU039282.D

Acq: 06 Jul 2020 10:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD01001

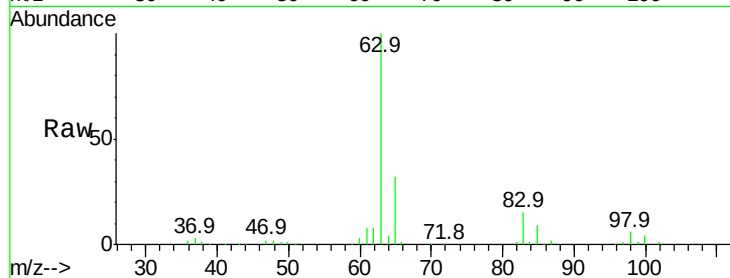
Tgt Ion: 63 Resp: 161825

Ion Ratio Lower Upper

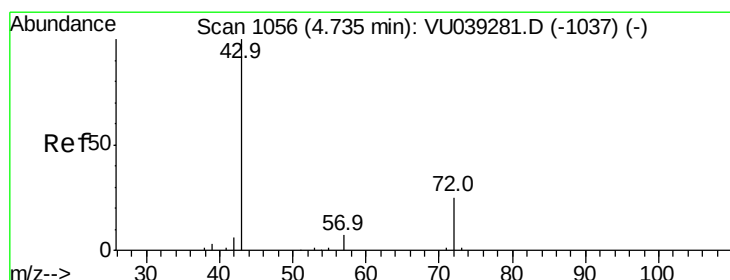
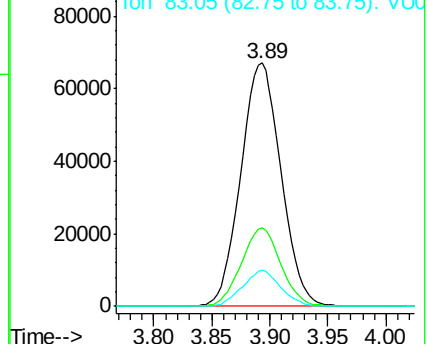
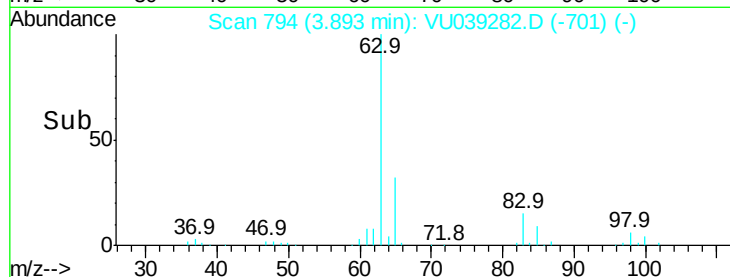
63 100

65 32.1 22.7 42.3

83 14.7 9.1 16.9



Abundance Ion 63.10 (62.80 to 63.80): VU039282.D (-701) (-)



#21

2-Butanone

Concen: 91.100 ug/L

RT: 4.74 min Scan# 1056

Delta R.T. -0.00 min

Lab File: VU039282.D

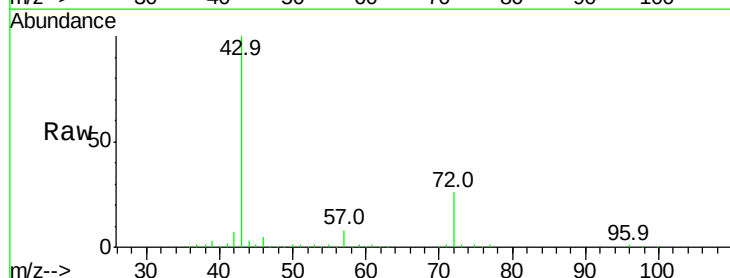
Acq: 06 Jul 2020 10:56

Tgt Ion: 43 Resp: 322942

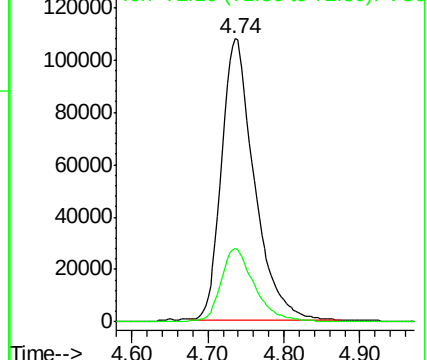
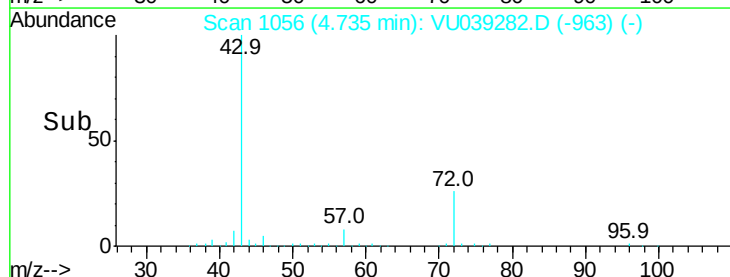
Ion Ratio Lower Upper

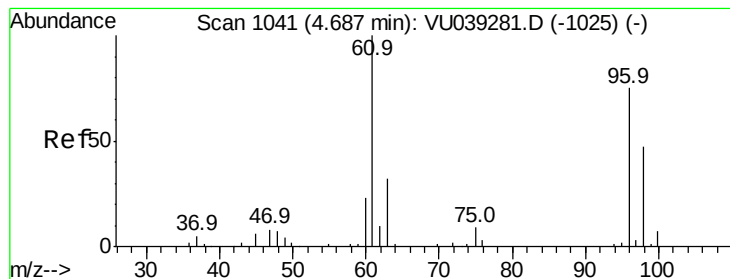
43 100

72 26.8 12.8 38.3



Abundance Ion 43.05 (42.75 to 43.75): VU039282.D (-963) (-)





#22

cis-1,2-Dichloroethene

Concen: 8.853 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VU039282.D

Acq: 06 Jul 2020 10:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD01001

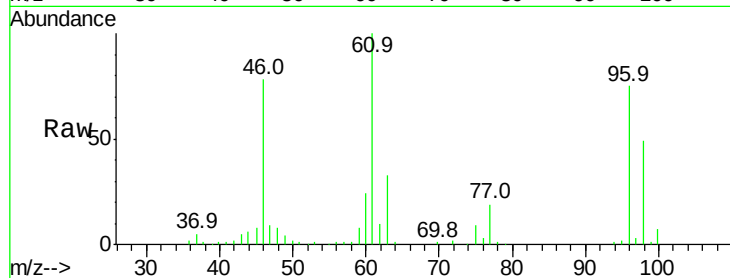
Tgt Ion: 96 Resp: 90853

Ion Ratio Lower Upper

96 100

61 133.9 93.7 173.9

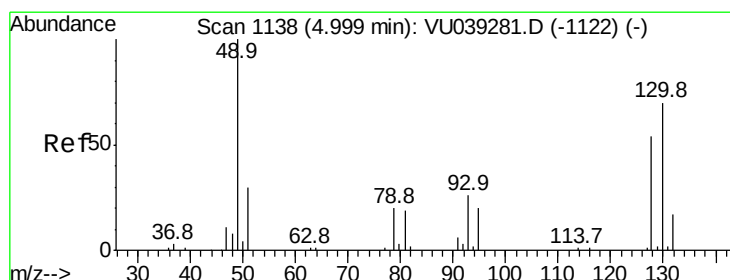
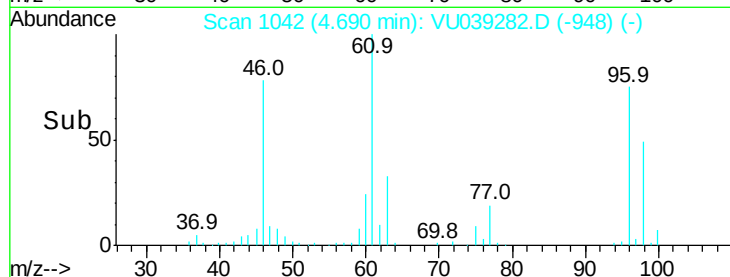
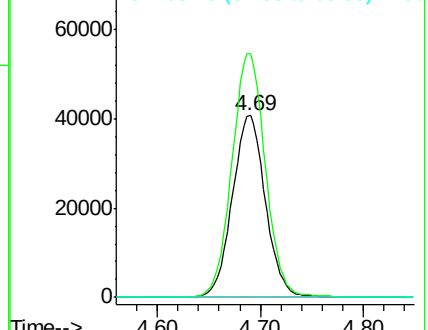
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039282.D (-948) (-)

Ion 61.05 (60.75 to 61.75): VU039282.D (-948) (-)

Ion 68.15 (67.85 to 68.85): VU039282.D (-948) (-)



#23

Bromochloromethane

Concen: 8.488 ug/L

RT: 5.00 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VU039282.D

Acq: 06 Jul 2020 10:56

Tgt Ion: 128 Resp: 42355

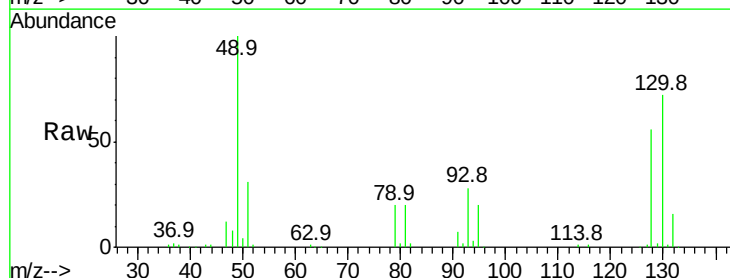
Ion Ratio Lower Upper

128 100

49 177.6 128.7 238.9

130 128.6 89.7 166.5

51 55.4 43.5 65.3

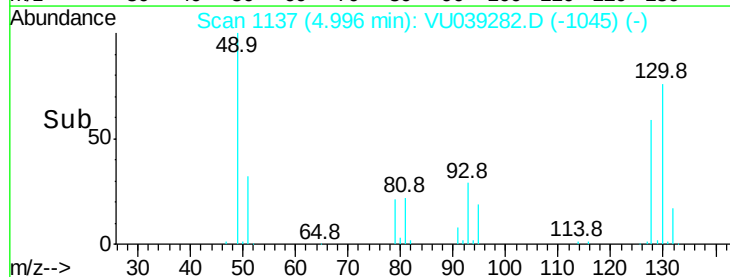
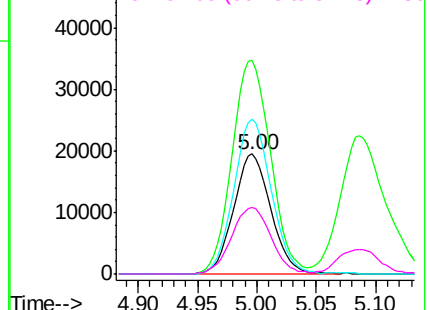


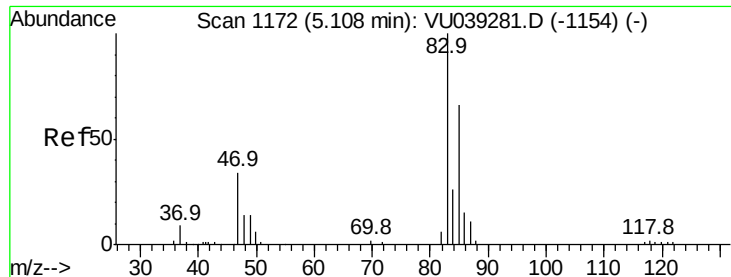
Abundance Ion 127.90 (127.60 to 128.60): VU039282.D (-1045) (-)

Ion 49.10 (48.80 to 49.80): VU039282.D (-1045) (-)

Ion 129.95 (129.65 to 130.65): VU039282.D (-1045) (-)

Ion 51.05 (50.75 to 51.75): VU039282.D (-1045) (-)

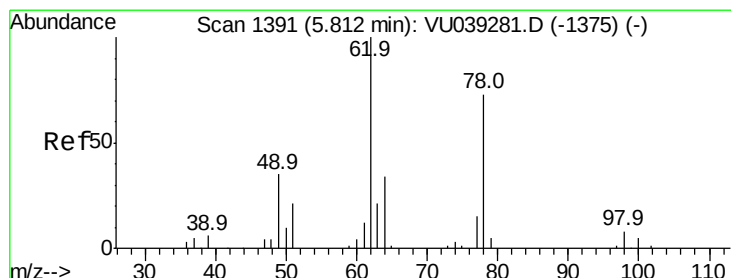
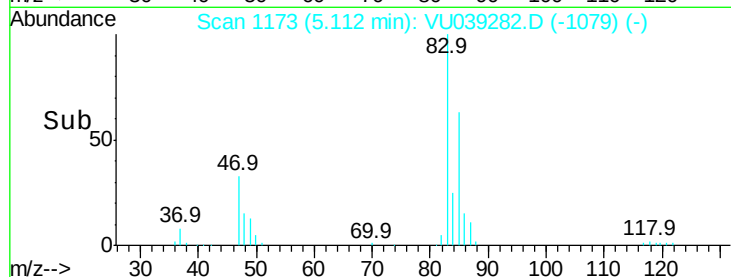
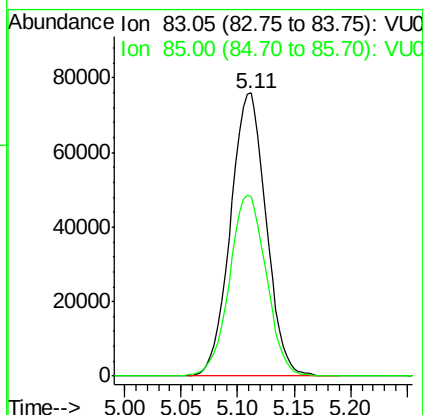
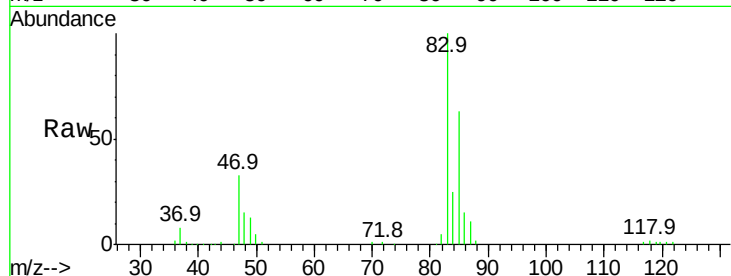




#25
Chloroform
Concen: 7.987 ug/L
RT: 5.11 min Scan# 1173
Delta R.T. 0.00 min
Lab File: VU039282.D
Acq: 06 Jul 2020 10:56

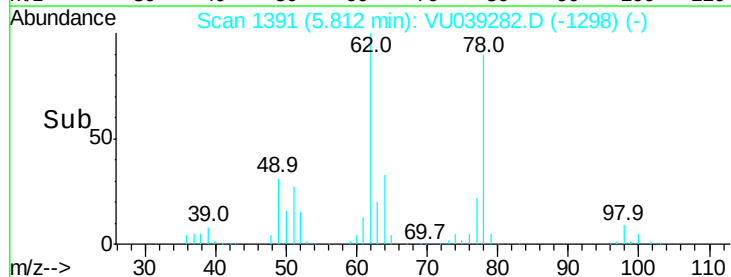
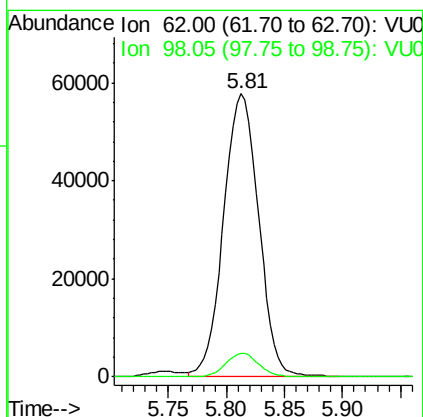
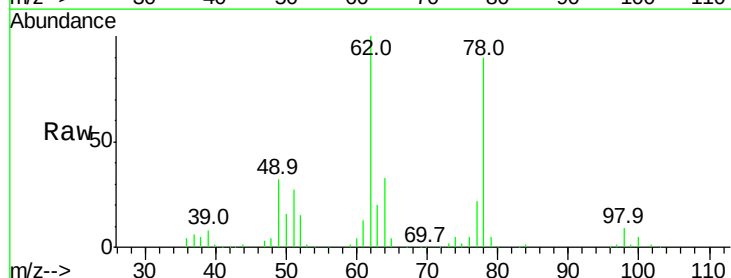
Instrument :
MSVOA_U
ClientSampleId :
VSTD01001

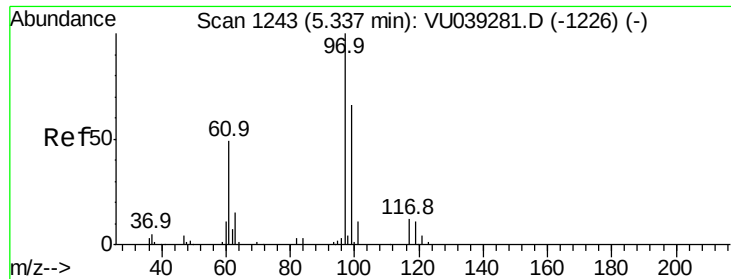
Tgt Ion: 83 Resp: 166465
Ion Ratio Lower Upper
83 100
85 63.4 46.3 86.1



#27
1,2-Dichloroethane
Concen: 8.229 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VU039282.D
Acq: 06 Jul 2020 10:56

Tgt Ion: 62 Resp: 120558
Ion Ratio Lower Upper
62 100
98 8.5 6.2 9.4

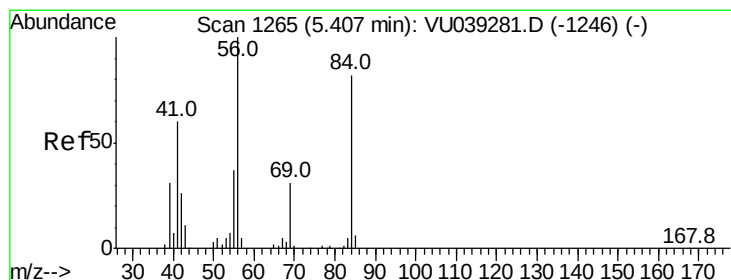
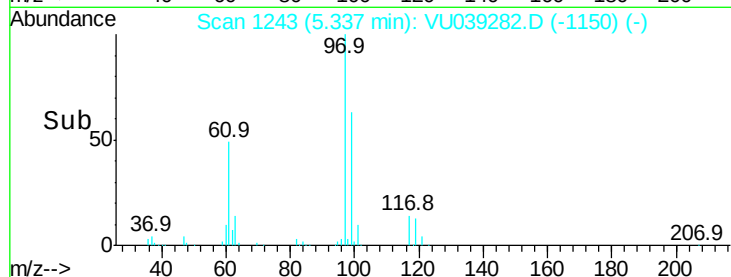
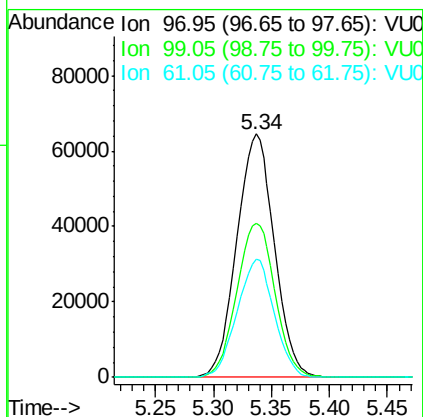
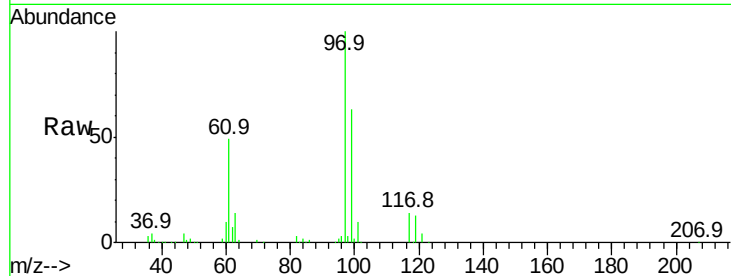




#29
 1,1,1-Trichloroethane
 Concen: 9.159 ug/L
 RT: 5.34 min Scan# 1243
 Delta R.T. -0.00 min
 Lab File: VU039282.D
 Acq: 06 Jul 2020 10:56

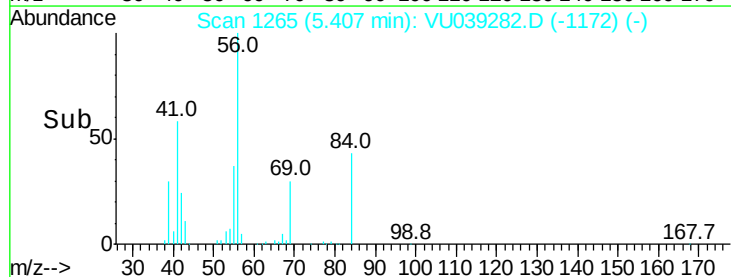
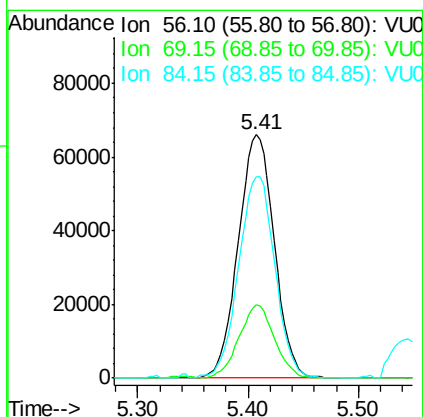
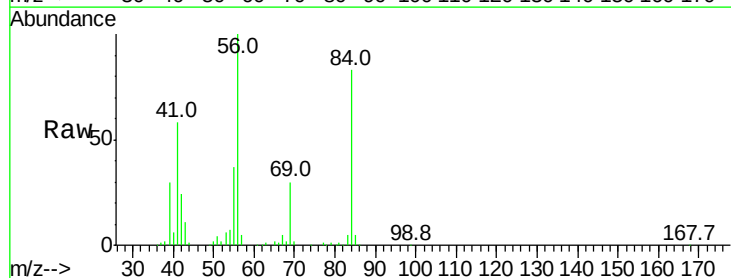
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01001

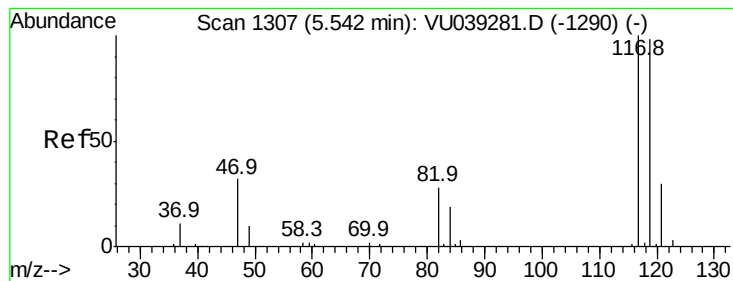
Tgt Ion: 97 Resp: 145388
 Ion Ratio Lower Upper
 97 100
 99 64.6 51.1 76.7
 61 48.0 37.9 56.9



#30
 Cyclohexane
 Concen: 10.550 ug/L
 RT: 5.41 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: VU039282.D
 Acq: 06 Jul 2020 10:56

Tgt Ion: 56 Resp: 149708
 Ion Ratio Lower Upper
 56 100
 69 29.6 24.2 36.4
 84 83.3 67.0 100.4





#31

Carbon tetrachloride

Concen: 9.136 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. -0.00 min

Lab File: VU039282.D

Acq: 06 Jul 2020 10:56

Instrument :

MSVOA_U

ClientSampleId :

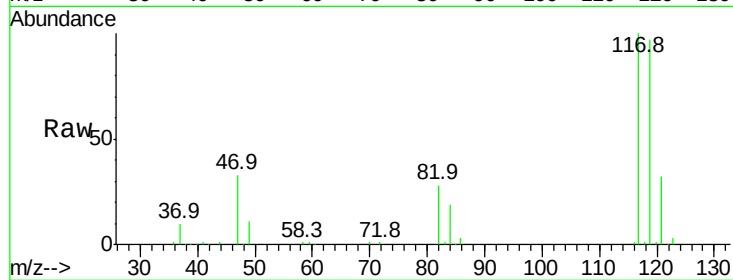
VSTD01001

Tgt Ion:117 Resp: 120697

Ion Ratio Lower Upper

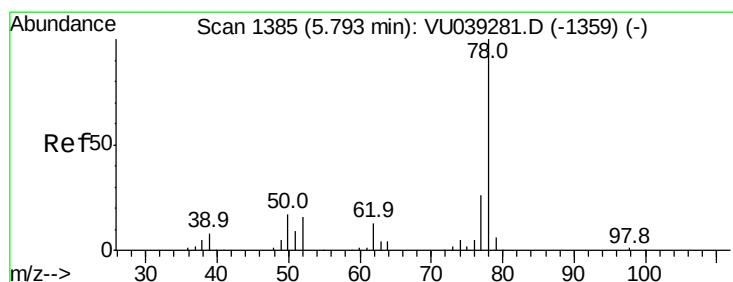
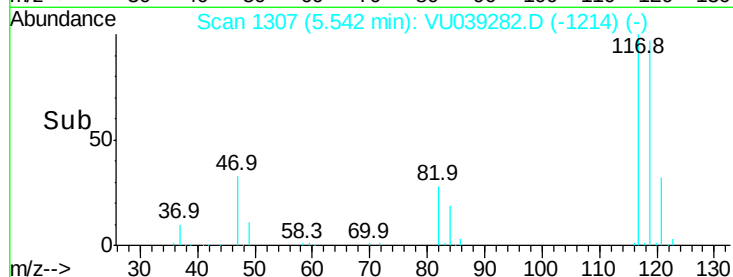
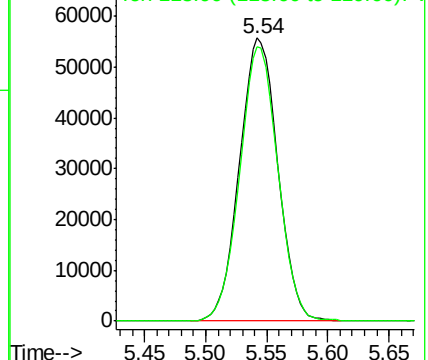
117 100

119 96.5 76.8 115.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 9.660 ug/L

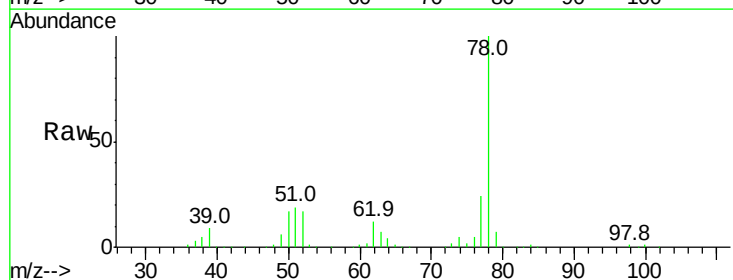
RT: 5.79 min Scan# 1385

Delta R.T. -0.00 min

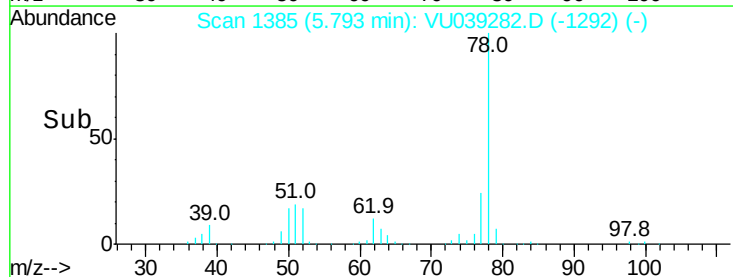
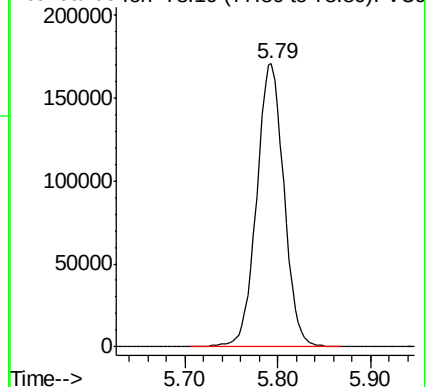
Lab File: VU039282.D

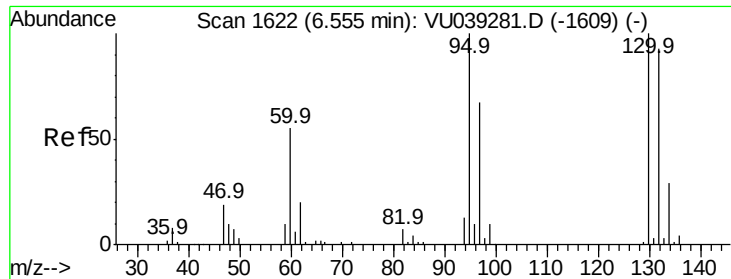
Acq: 06 Jul 2020 10:56

Tgt Ion: 78 Resp: 348050



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 9.899 ug/L

RT: 6.56 min Scan# 1623

Delta R.T. 0.00 min

Lab File: VU039282.D

Acq: 06 Jul 2020 10:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD01001

Tgt Ion: 95 Resp: 92290

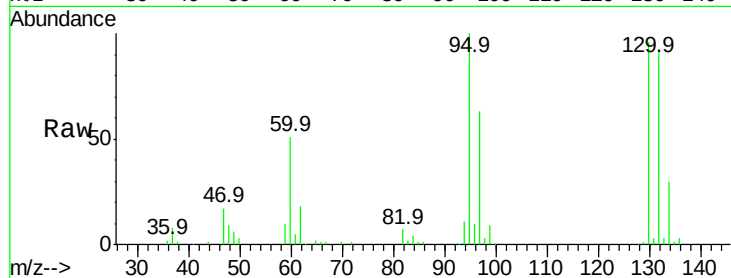
Ion Ratio Lower Upper

95 100

97 63.2 47.0 87.2

132 92.0 65.0 120.8

130 95.7 69.8 129.6

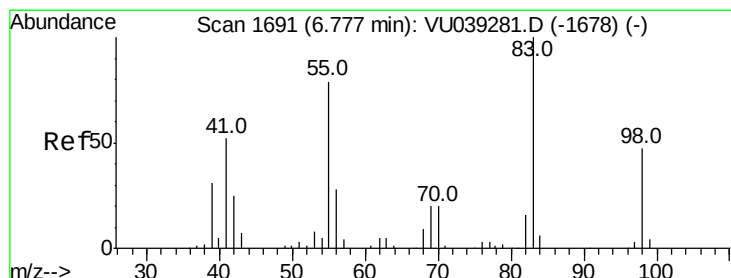
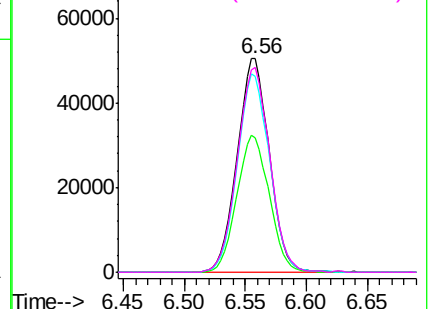
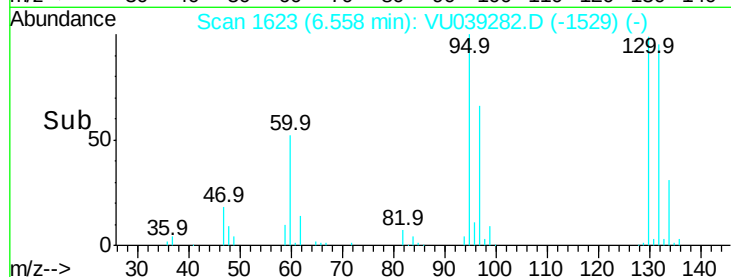


Abundance Ion 95.00 (94.70 to 95.70): VU039282.D (-1529) (-)

Ion 96.95 (96.65 to 97.65): VU039282.D (-1529) (-)

Ion 131.95 (131.65 to 132.65): VU039282.D (-1529) (-)

Ion 129.95 (129.65 to 130.65): VU039282.D (-1529) (-)



#35

Methylcyclohexane

Concen: 10.853 ug/L

RT: 6.78 min Scan# 1691

Delta R.T. -0.00 min

Lab File: VU039282.D

Acq: 06 Jul 2020 10:56

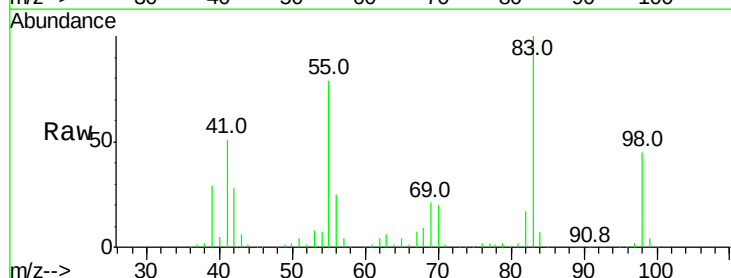
Tgt Ion: 83 Resp: 149800

Ion Ratio Lower Upper

83 100

55 79.6 63.3 94.9

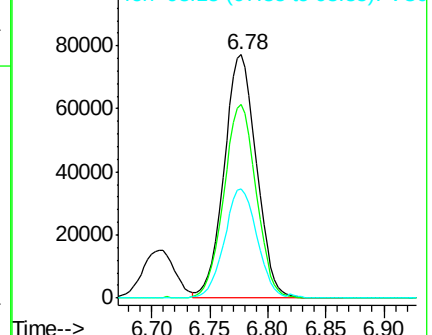
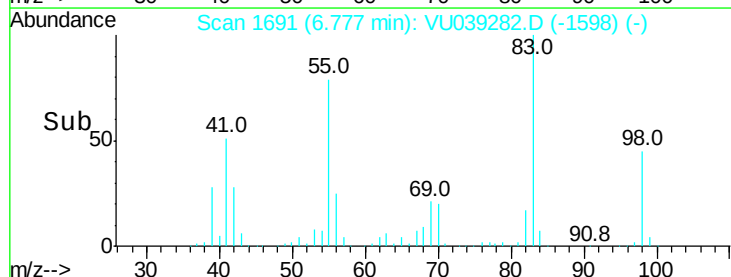
98 45.4 37.4 56.2

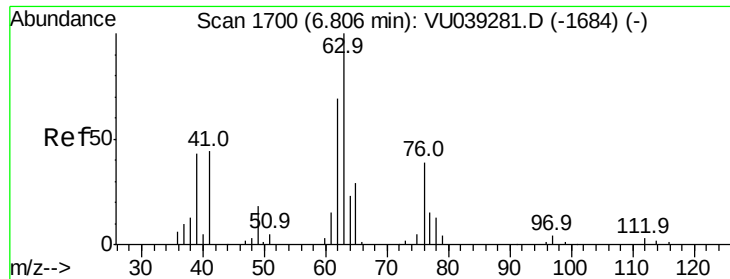


Abundance Ion 83.15 (82.85 to 83.85): VU039282.D (-1598) (-)

Ion 55.10 (54.80 to 55.80): VU039282.D (-1598) (-)

Ion 98.15 (97.85 to 98.85): VU039282.D (-1598) (-)

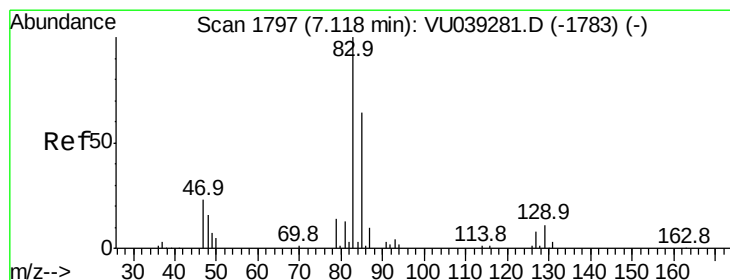
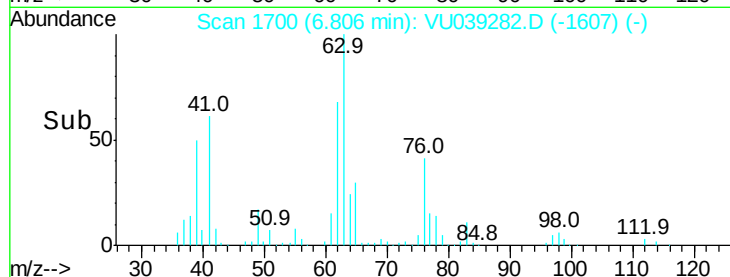
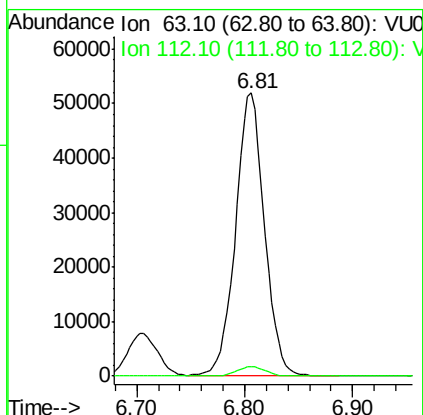
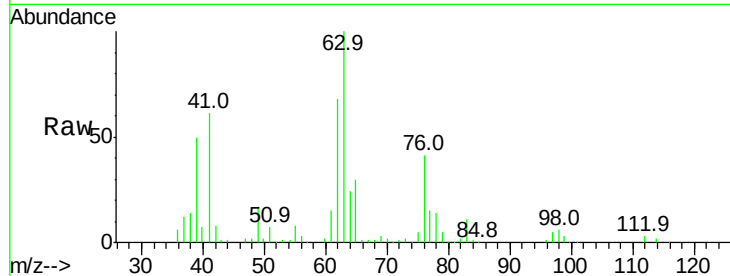




#37
 1,2-Dichloropropane
 Concen: 10.183 ug/L
 RT: 6.81 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: VU039282.D
 Acq: 06 Jul 2020 10:56

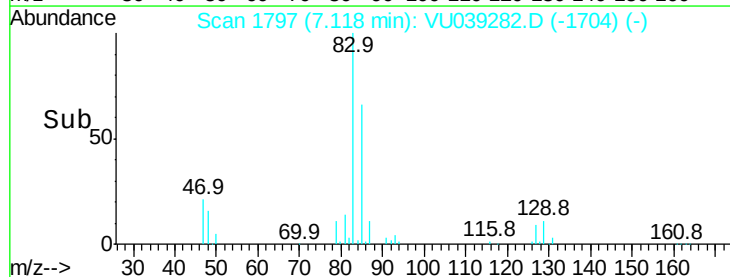
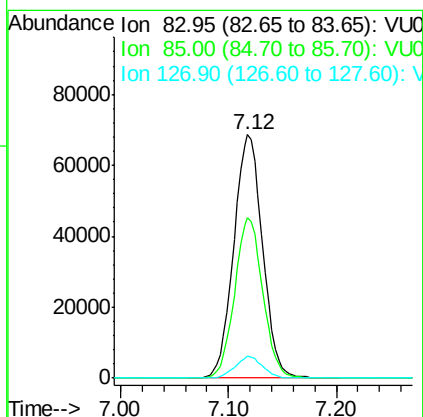
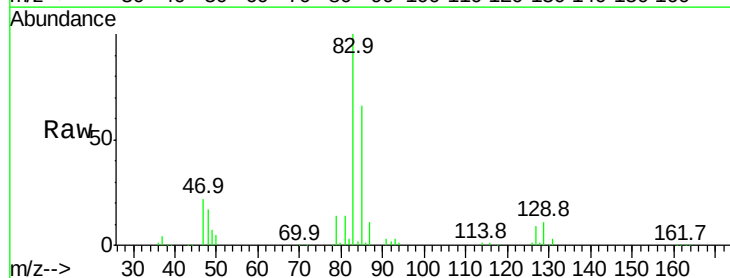
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01001

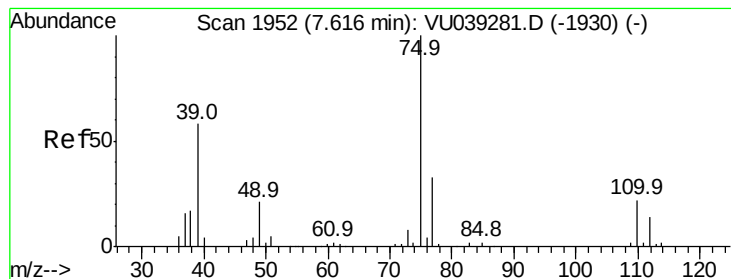
Tgt Ion: 63 Resp: 97059
 Ion Ratio Lower Upper
 63 100
 112 3.4 2.6 3.8



#38
 Bromodichloromethane
 Concen: 9.869 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. -0.00 min
 Lab File: VU039282.D
 Acq: 06 Jul 2020 10:56

Tgt Ion: 83 Resp: 127722
 Ion Ratio Lower Upper
 83 100
 85 65.8 44.5 82.7
 127 8.9 6.5 9.7



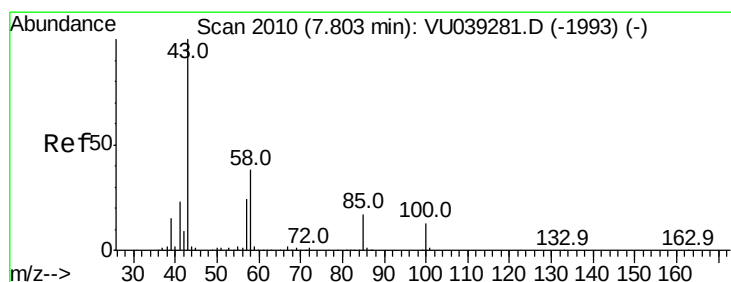
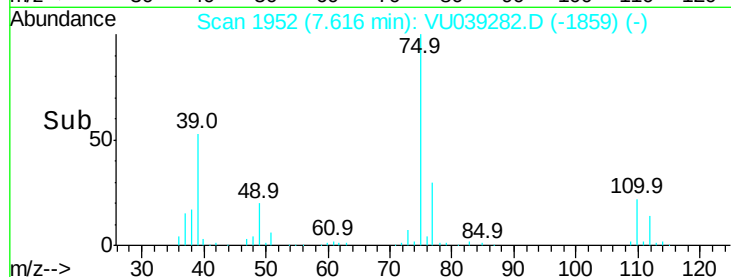
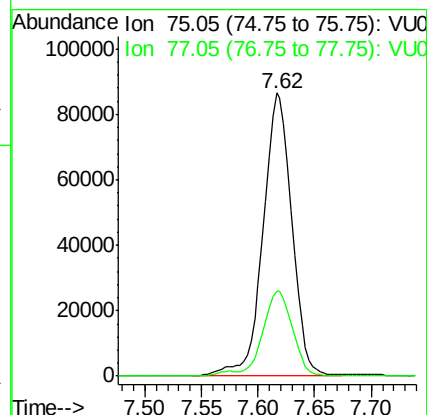
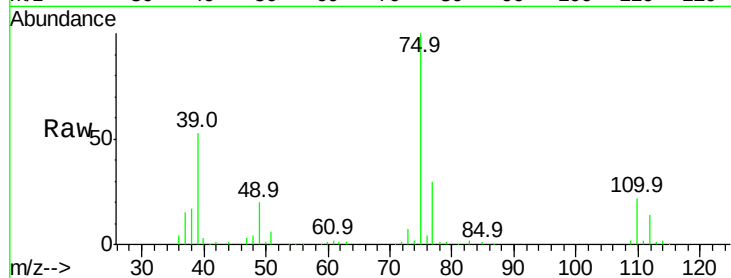


#39

cis-1,3-Dichloropropene
Concen: 10.306 ug/L
RT: 7.62 min Scan# 1952
Delta R.T. -0.00 min
Lab File: VU039282.D
Acq: 06 Jul 2020 10:56

Instrument :
MSVOA_U
ClientSampleId :
VSTD01001

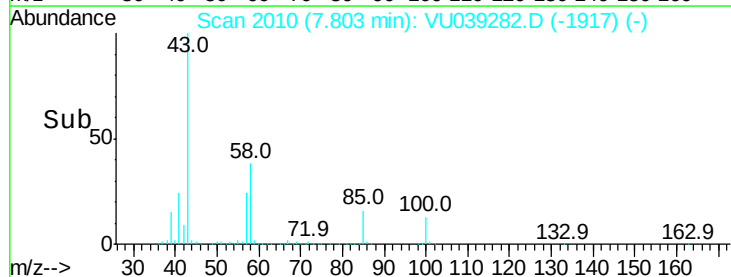
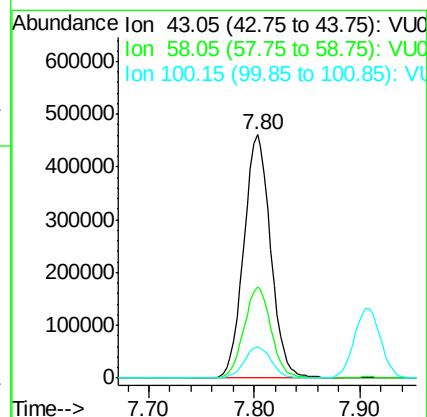
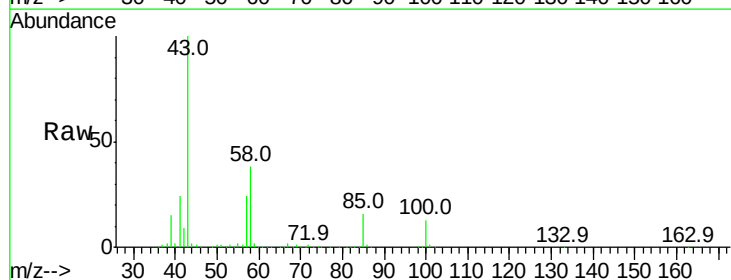
Tgt Ion: 75 Resp: 153440
Ion Ratio Lower Upper
75 100
77 30.2 23.3 43.3

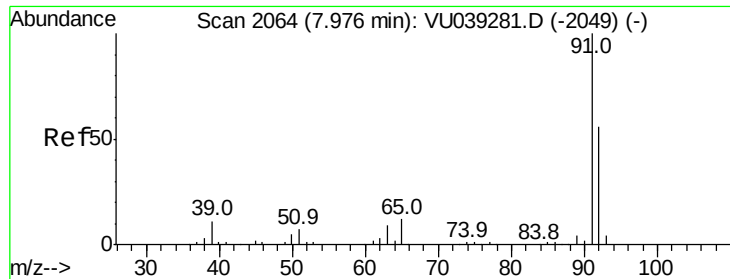


#40

4-Methyl-2-pentanone
Concen: 104.847 ug/L
RT: 7.80 min Scan# 2010
Delta R.T. -0.00 min
Lab File: VU039282.D
Acq: 06 Jul 2020 10:56

Tgt Ion: 43 Resp: 815185
Ion Ratio Lower Upper
43 100
58 37.7 30.3 45.5
100 13.1 10.6 15.8





#42

Toluene

Concen: 9.399 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU039282.D

Acq: 06 Jul 2020 10:56

Instrument :

MSVOA_U

ClientSampleId :

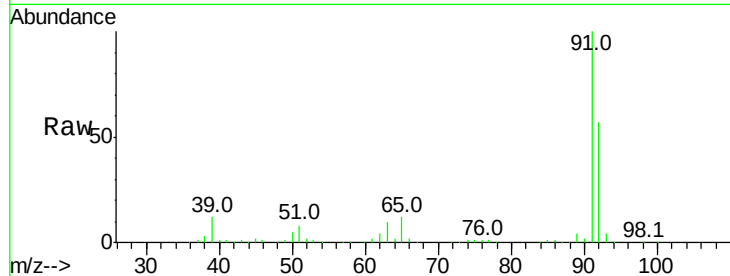
VSTD01001

Tgt Ion: 91 Resp: 380212

Ion Ratio Lower Upper

91 100

92 57.1 39.3 72.9



Abundance Ion 91.15 (90.85 to 91.85): VU039282.D (-1971) (-)

Ion 92.15 (91.85 to 92.85): VU039282.D (-1971) (-)

7.98

250000

200000

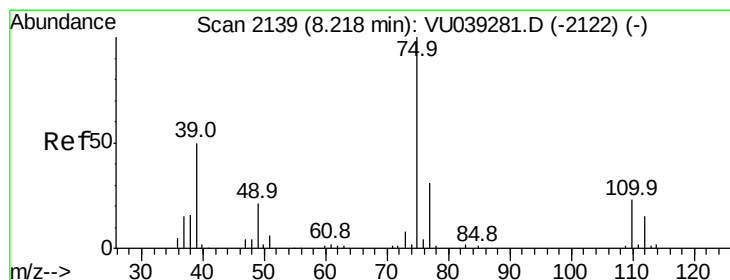
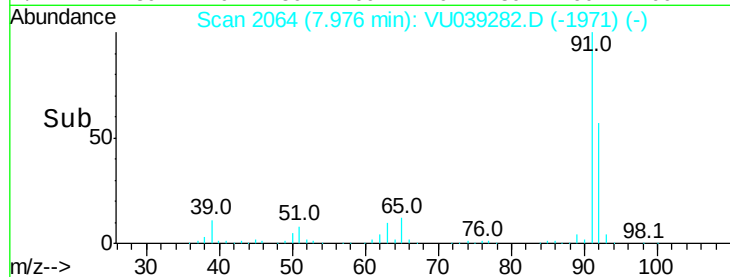
150000

100000

50000

0

Time--> 7.90 7.95 8.00 8.05



#44

trans-1,3-Dichloropropene

Concen: 9.502 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. -0.00 min

Lab File: VU039282.D

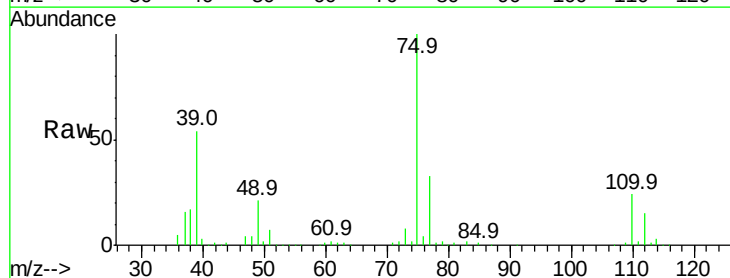
Acq: 06 Jul 2020 10:56

Tgt Ion: 75 Resp: 139433

Ion Ratio Lower Upper

75 100

77 33.2 22.0 40.8



Abundance Ion 75.05 (74.75 to 75.75): VU039282.D (-2046) (-)

Ion 77.05 (76.75 to 77.75): VU039282.D (-2046) (-)

8.22

80000

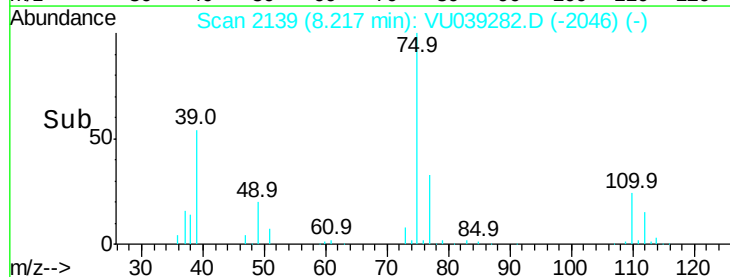
60000

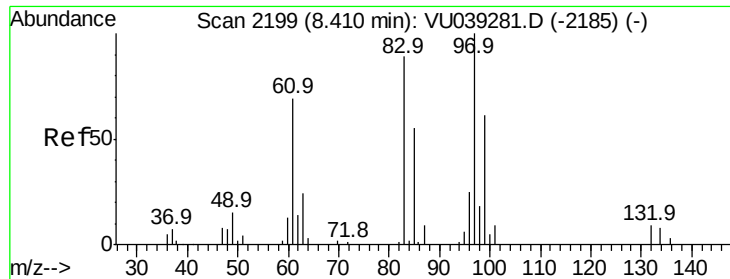
40000

20000

0

Time--> 8.10 8.20 8.30





#45

1,1,2-Trichloroethane

Concen: 9.318 ug/L

RT: 8.41 min Scan# 2198

Delta R.T. -0.00 min

Lab File: VU039282.D

Acq: 06 Jul 2020 10:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD01001

Tgt Ion: 97 Resp: 74246

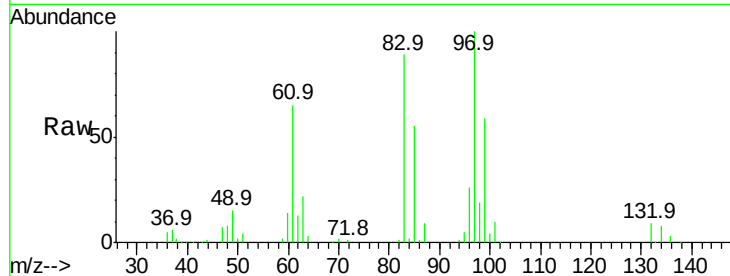
Ion Ratio Lower Upper

97 100

99 58.9 42.5 78.9

83 89.1 62.2 115.4

85 54.6 38.7 71.9

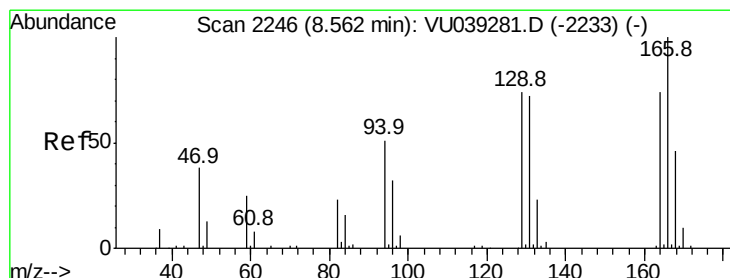
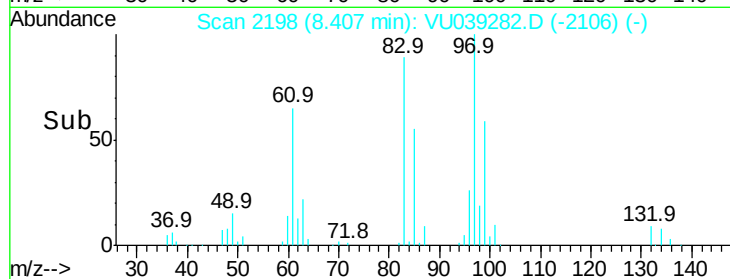
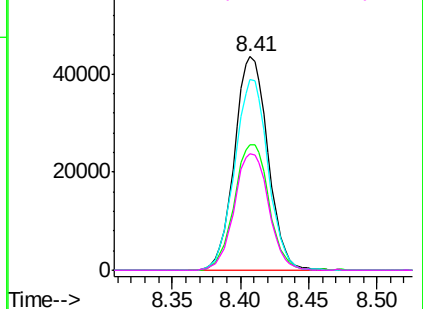


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 9.534 ug/L

RT: 8.56 min Scan# 2246

Delta R.T. -0.00 min

Lab File: VU039282.D

Acq: 06 Jul 2020 10:56

Tgt Ion: 164 Resp: 66259

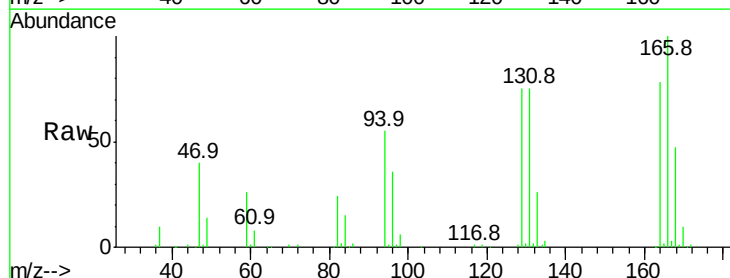
Ion Ratio Lower Upper

164 100

129 97.3 70.5 130.9

131 96.7 68.7 127.5

166 128.9 94.9 176.3

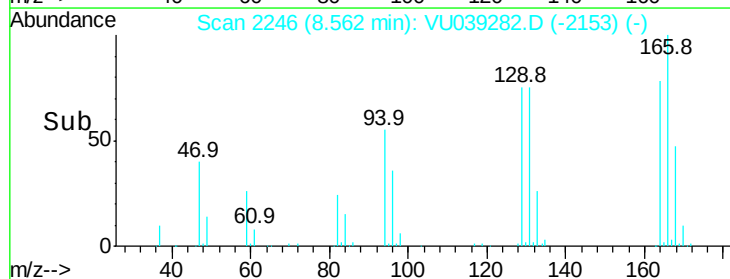
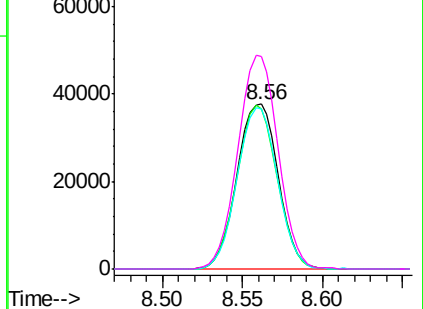


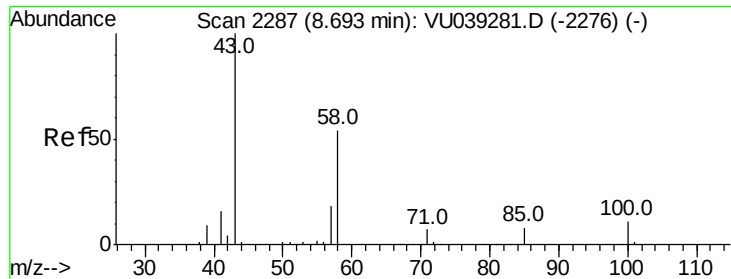
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

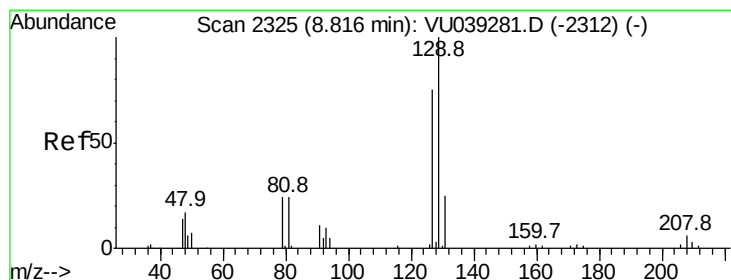
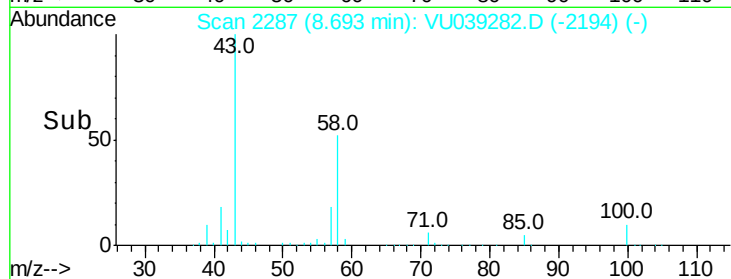
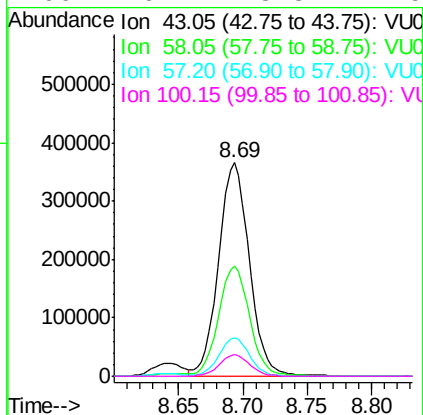
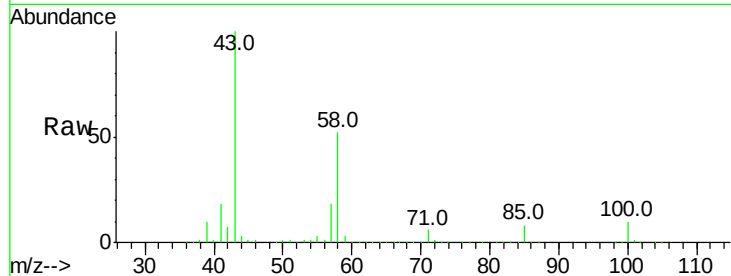




#48
2-Hexanone
Concen: 95.648 ug/L
RT: 8.69 min Scan# 2287
Delta R.T. -0.00 min
Lab File: VU039282.D
Acq: 06 Jul 2020 10:56

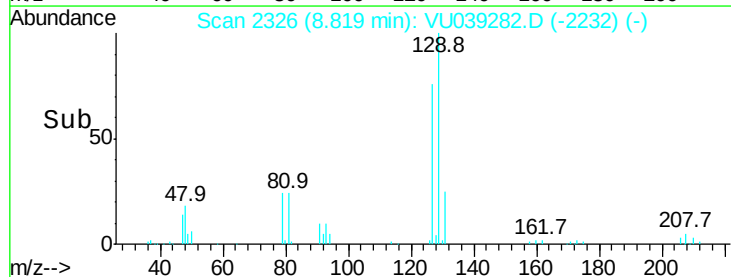
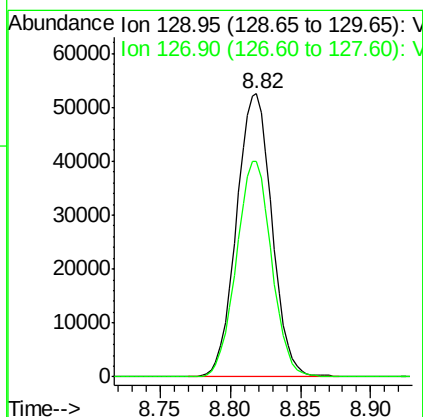
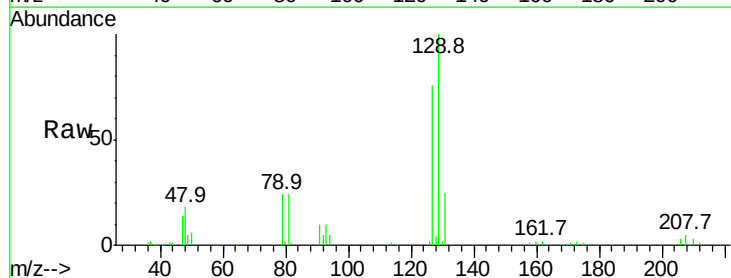
Instrument :
MSVOA_U
ClientSampled :
VSTD01001

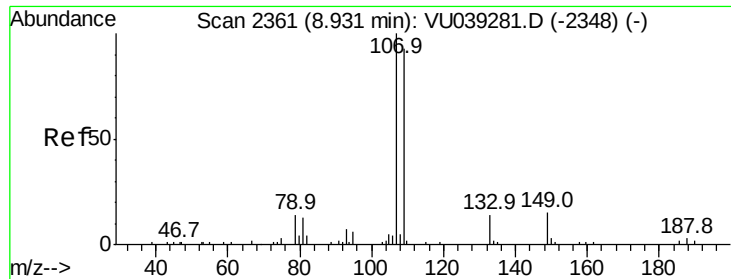
Tgt Ion: 43 Resp: 605621
Ion Ratio Lower Upper
43 100
58 52.2 43.1 64.7
57 17.9 14.4 21.6
100 10.2 8.3 12.5



#49
Dibromochloromethane
Concen: 10.333 ug/L
RT: 8.82 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VU039282.D
Acq: 06 Jul 2020 10:56

Tgt Ion: 129 Resp: 92385
Ion Ratio Lower Upper
129 100
127 76.2 52.6 97.8

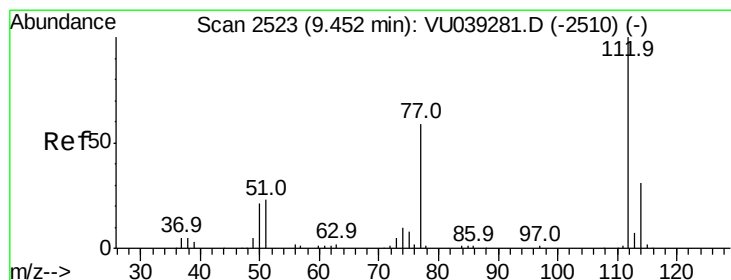
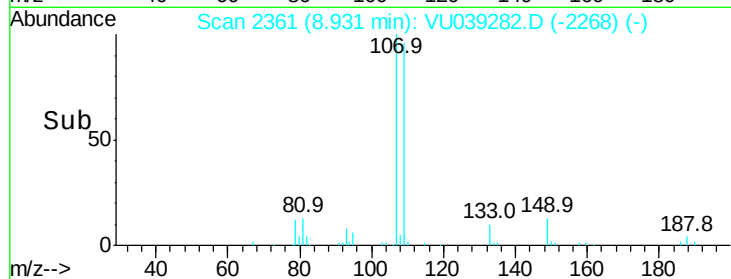
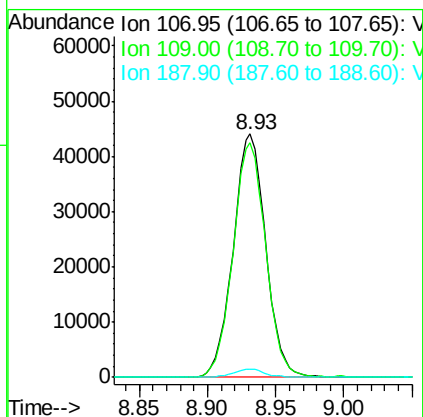
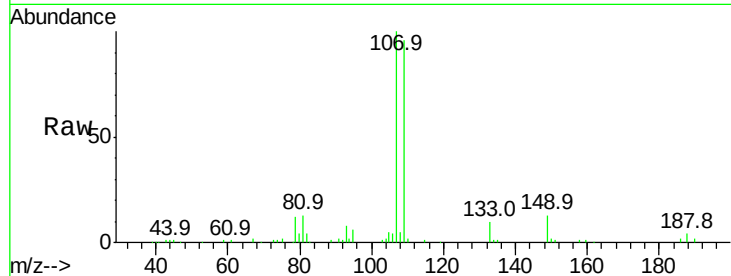




#50
 1,2-Dibromoethane
 Concen: 9.672 ug/L
 RT: 8.93 min Scan# 2361
 Delta R.T. -0.00 min
 Lab File: VU039282.D
 Acq: 06 Jul 2020 10:56

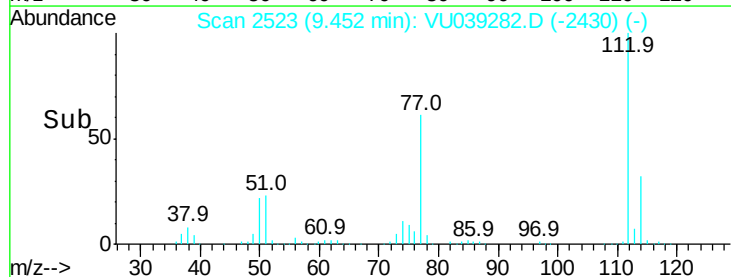
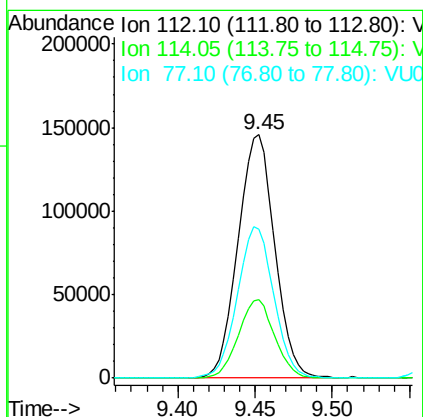
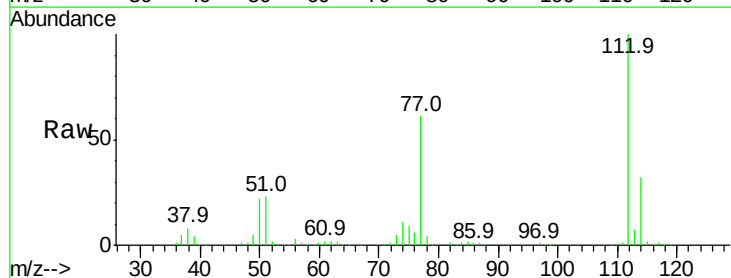
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01001

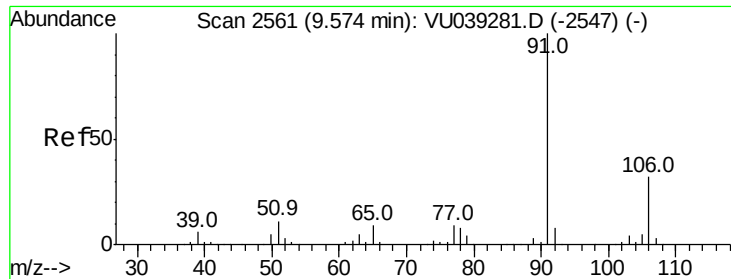
Tgt Ion:	107	Resp:	73082
Ion	Ratio	Lower	Upper
107	100		
109	96.2	64.8	120.4
188	3.6	2.7	4.1



#51
 Chlorobenzene
 Concen: 9.392 ug/L
 RT: 9.45 min Scan# 2523
 Delta R.T. -0.00 min
 Lab File: VU039282.D
 Acq: 06 Jul 2020 10:56

Tgt Ion:	112	Resp:	241518
Ion	Ratio	Lower	Upper
112	100		
114	32.1	21.9	40.7
77	61.3	48.2	72.4





#52

Ethylbenzene

Concen: 9.885 ug/L

RT: 9.57 min Scan# 2561

Delta R.T. -0.00 min

Lab File: VU039282.D

Acq: 06 Jul 2020 10:56

Instrument :

MSVOA_U

ClientSampleId :

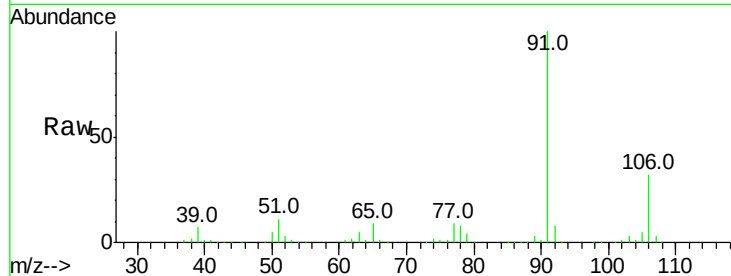
VSTD01001

Tgt Ion: 91 Resp: 429009

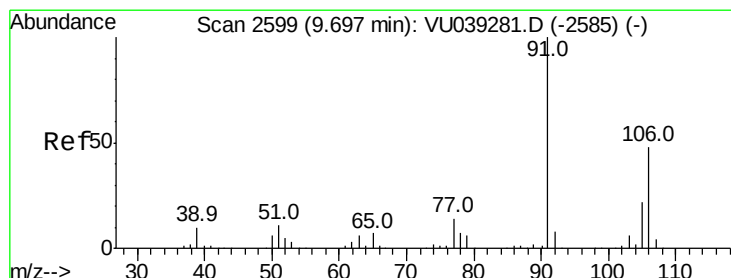
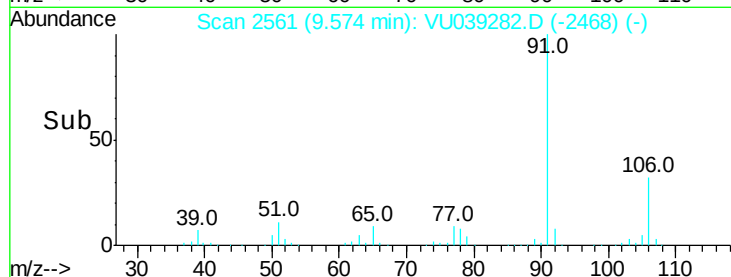
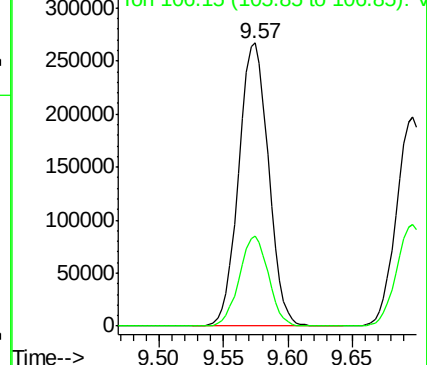
Ion Ratio Lower Upper

91 100

106 31.6 22.1 41.1



Abundance Ion 91.15 (90.85 to 91.85): VU039282.D (-2547) (-)



#53

m,p-Xylene

Concen: 10.052 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. -0.00 min

Lab File: VU039282.D

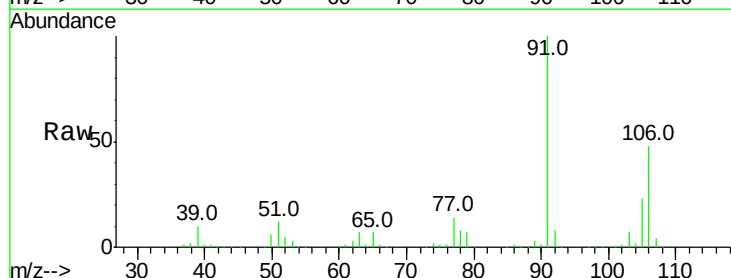
Acq: 06 Jul 2020 10:56

Tgt Ion: 106 Resp: 159603

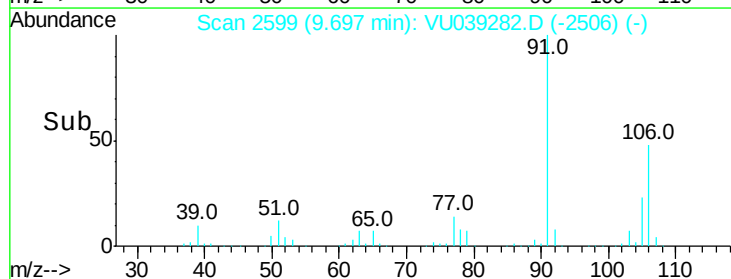
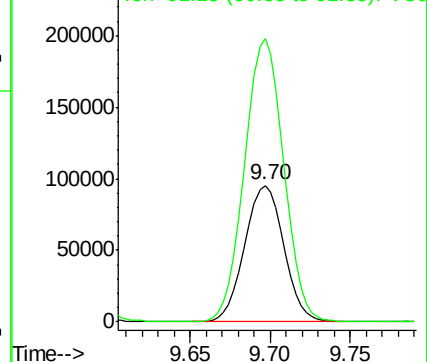
Ion Ratio Lower Upper

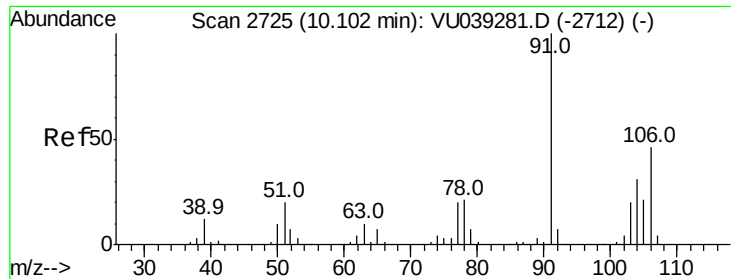
106 100

91 207.0 146.6 272.2



Abundance Ion 106.15 (105.85 to 106.85): VU039282.D (-2599) (-)

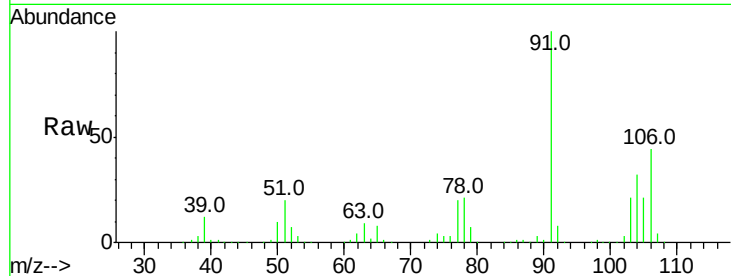




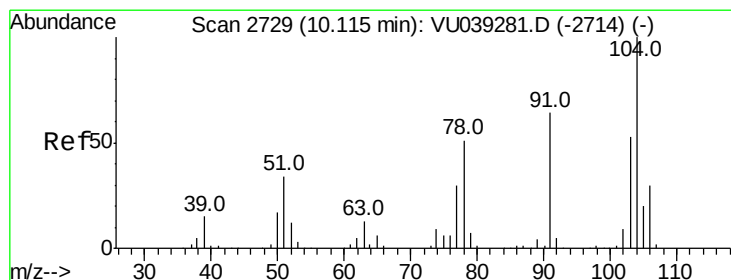
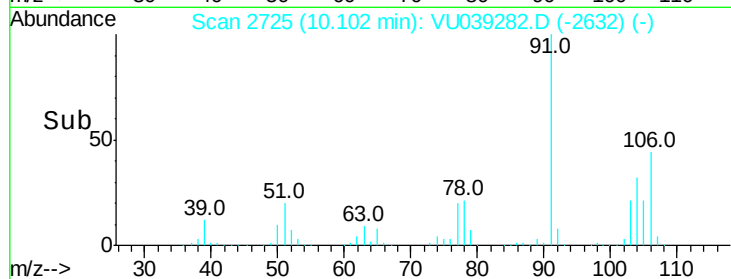
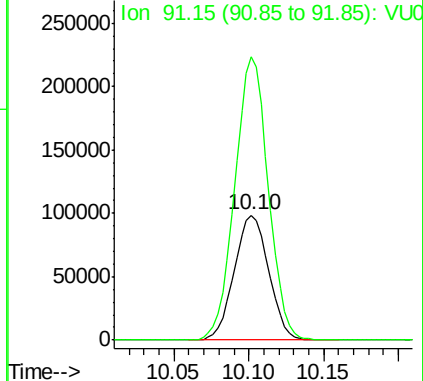
#54
o-Xylene
Concen: 10.385 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. -0.00 min
Lab File: VU039282.D
Acq: 06 Jul 2020 10:56

Instrument :
MSVOA_U
ClientSampleId :
VSTD01001

Tgt Ion:106 Resp: 158401
Ion Ratio Lower Upper
106 100
91 226.3 153.6 285.3

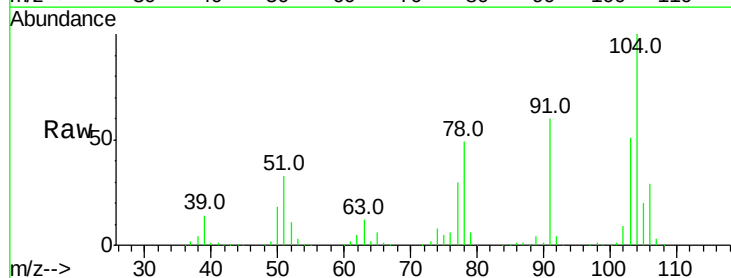


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

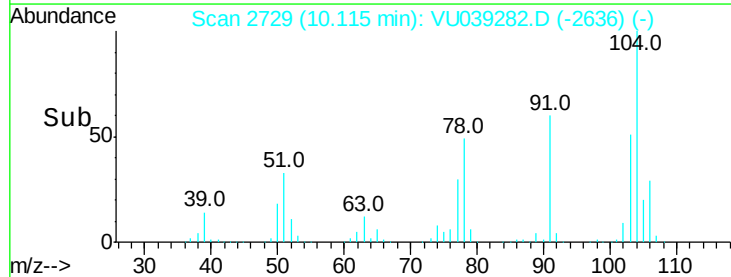
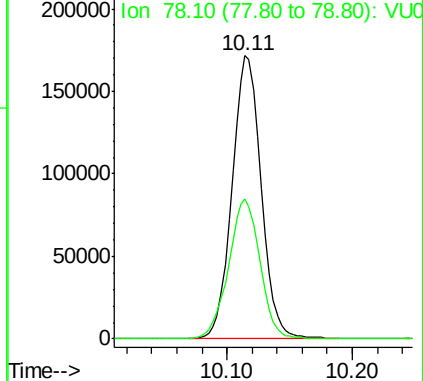


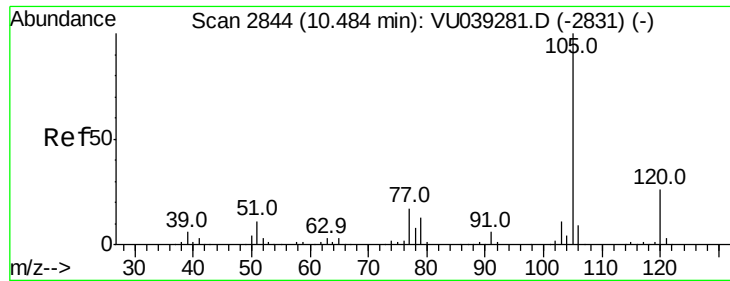
#55
Styrene
Concen: 10.293 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU039282.D
Acq: 06 Jul 2020 10:56

Tgt Ion:104 Resp: 276809
Ion Ratio Lower Upper
104 100
78 49.4 35.5 65.9



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





#56

Isopropylbenzene

Concen: 10.630 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU039282.D

Acq: 06 Jul 2020 10:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD01001

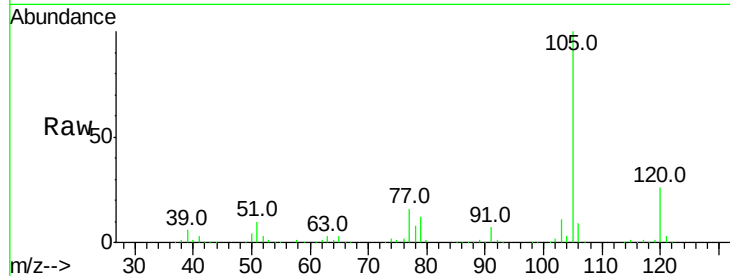
Tgt Ion:105 Resp: 431236

Ion Ratio Lower Upper

105 100

120 26.4 21.1 31.7

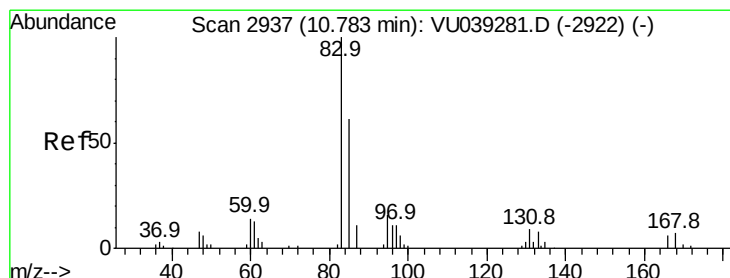
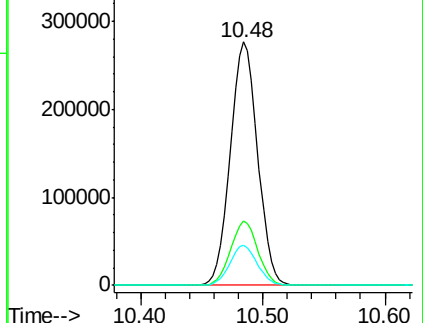
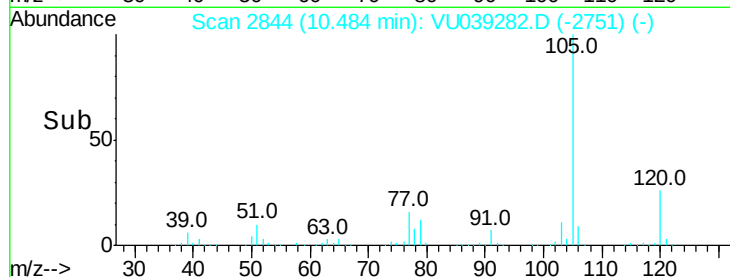
77 16.5 13.7 20.5



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: 9.578 ug/L

RT: 10.78 min Scan# 2937

Delta R.T. -0.00 min

Lab File: VU039282.D

Acq: 06 Jul 2020 10:56

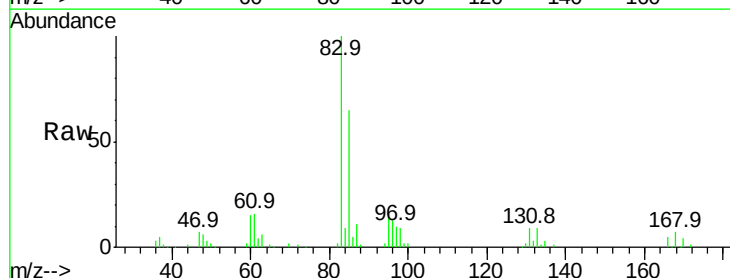
Tgt Ion: 83 Resp: 100883

Ion Ratio Lower Upper

83 100

85 64.8 43.0 79.8

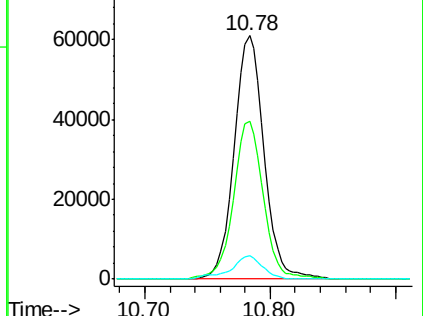
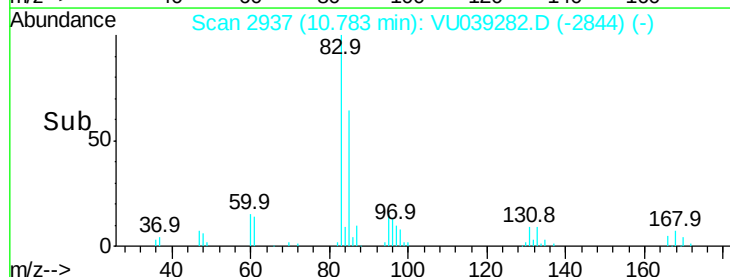
131 9.5 7.4 11.2

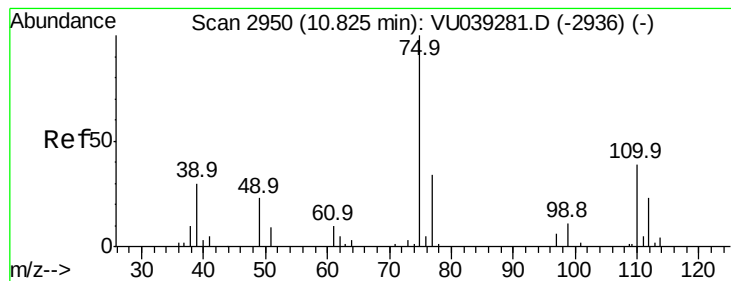


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 9.276 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU039282.D

Acq: 06 Jul 2020 10:56

Instrument :

MSVOA_U

ClientSampleId :

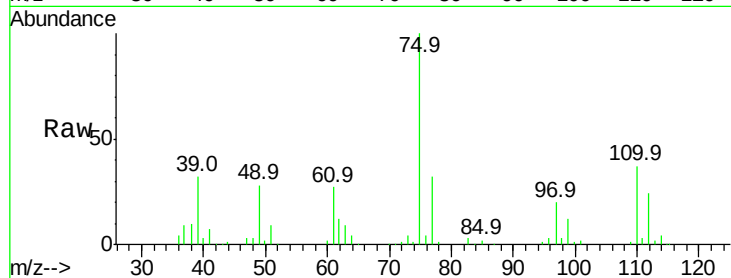
VSTD01001

Tgt Ion: 75 Resp: 73083

Ion Ratio Lower Upper

75 100

77 32.5 27.7 41.5

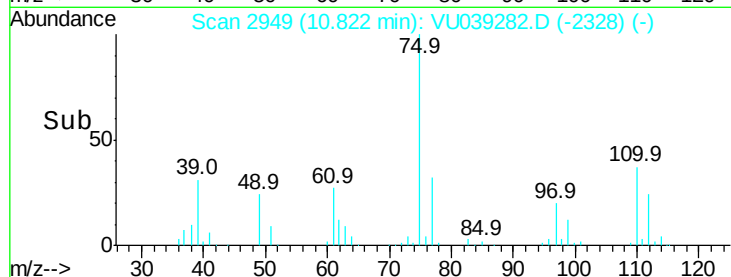


Abundance Ion 75.00 (74.70 to 75.70): VU039282.D (-2328) (-)

Ion 77.00 (76.70 to 77.70): VU039282.D (-2328) (-)

10.82

Time-->



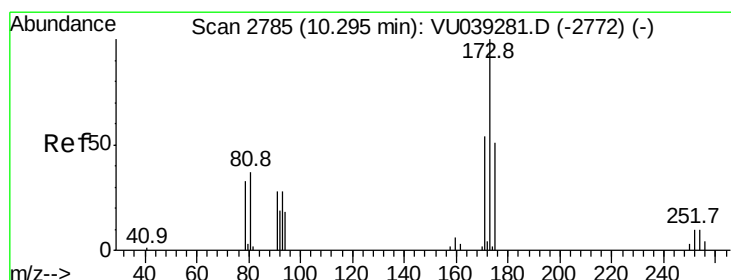
Abundance

Ion 75.00 (74.70 to 75.70): VU039282.D (-2328) (-)

Ion 77.00 (76.70 to 77.70): VU039282.D (-2328) (-)

10.82

Time-->



#61

Bromoform

Concen: 11.015 ug/L

RT: 10.29 min Scan# 2785

Delta R.T. -0.00 min

Lab File: VU039282.D

Acq: 06 Jul 2020 10:56

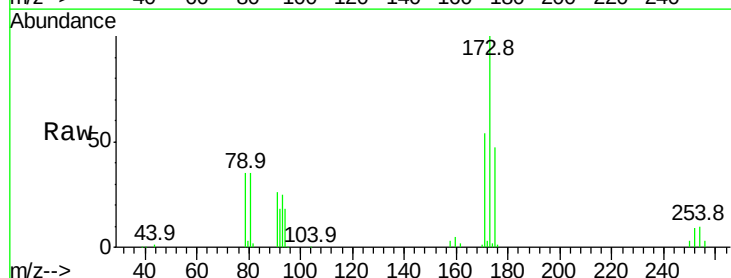
Tgt Ion: 173 Resp: 57008

Ion Ratio Lower Upper

173 100

175 47.0 39.3 58.9

254 8.8 7.1 10.7



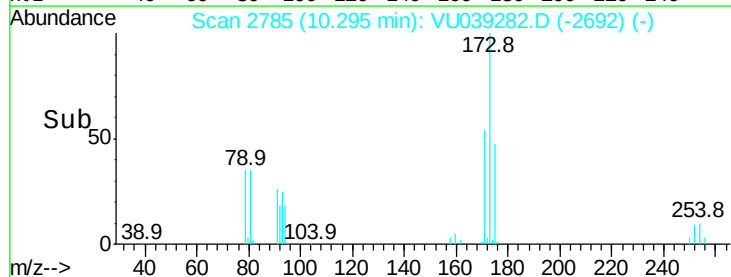
Abundance Ion 172.90 (172.60 to 173.60): VU039282.D (-2692) (-)

Ion 174.90 (174.60 to 175.60): VU039282.D (-2692) (-)

Ion 253.75 (253.45 to 254.45): VU039282.D (-2692) (-)

10.29

Time-->



Abundance

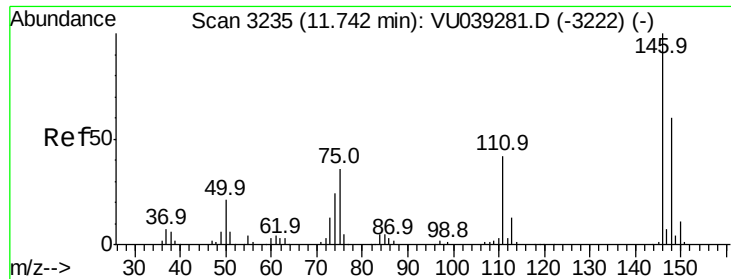
Ion 172.90 (172.60 to 173.60): VU039282.D (-2692) (-)

Ion 174.90 (174.60 to 175.60): VU039282.D (-2692) (-)

Ion 253.75 (253.45 to 254.45): VU039282.D (-2692) (-)

10.29

Time-->



#62

1,3-Dichlorobenzene

Concen: 9.797 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. -0.00 min

Lab File: VU039282.D

Acq: 06 Jul 2020 10:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD01001

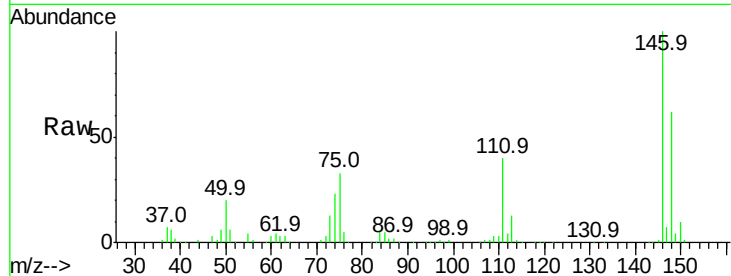
Tgt Ion:146 Resp: 194689

Ion Ratio Lower Upper

146 100

111 39.9 29.4 54.6

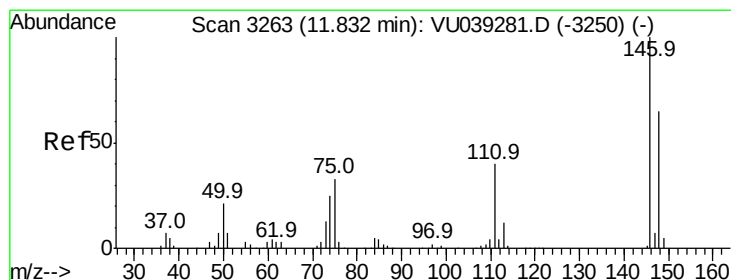
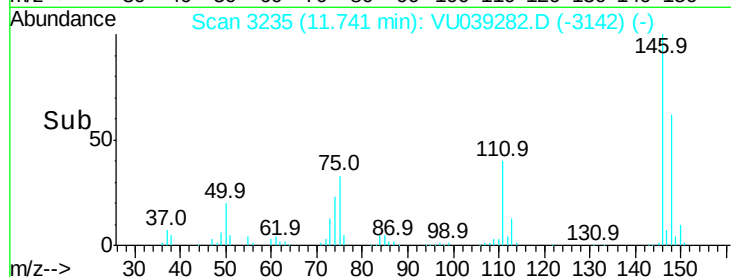
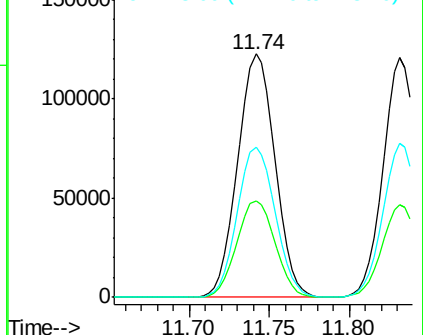
148 61.5 42.0 78.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 9.444 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. -0.00 min

Lab File: VU039282.D

Acq: 06 Jul 2020 10:56

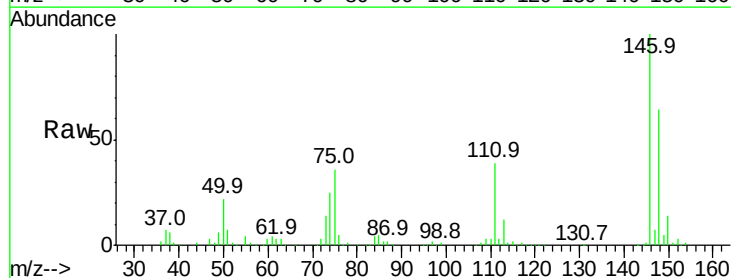
Tgt Ion:146 Resp: 186601

Ion Ratio Lower Upper

146 100

111 38.7 28.3 52.5

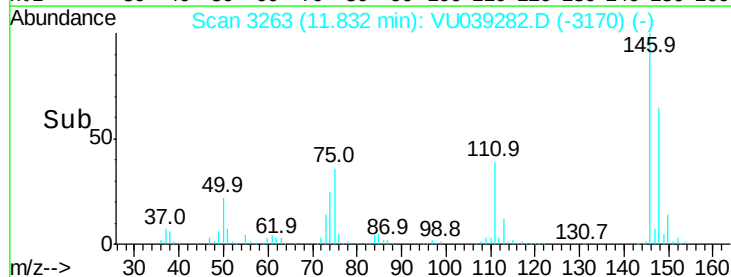
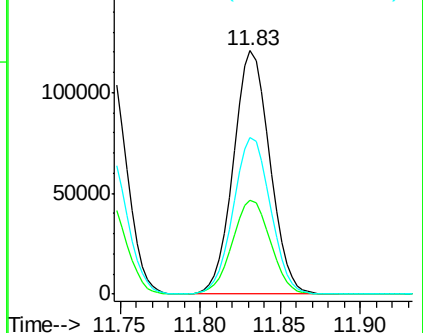
148 64.3 45.8 85.2

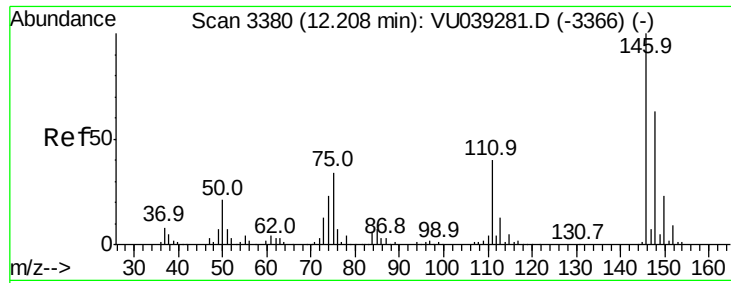


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

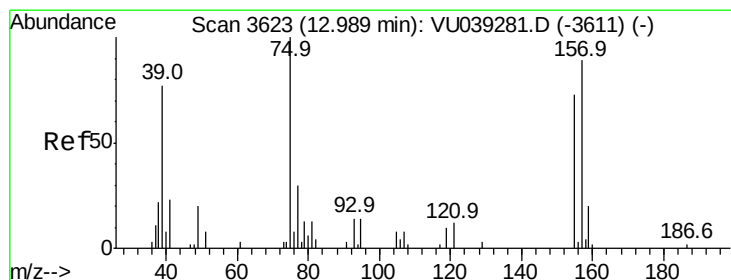
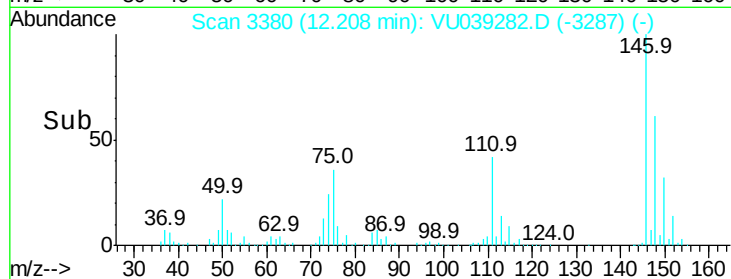
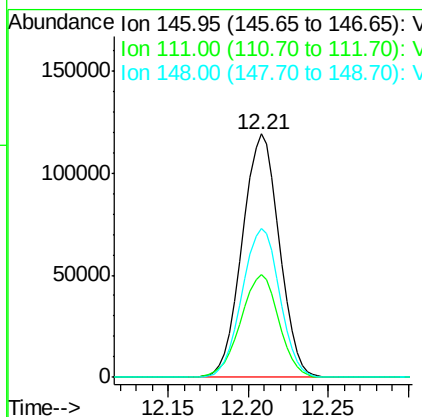
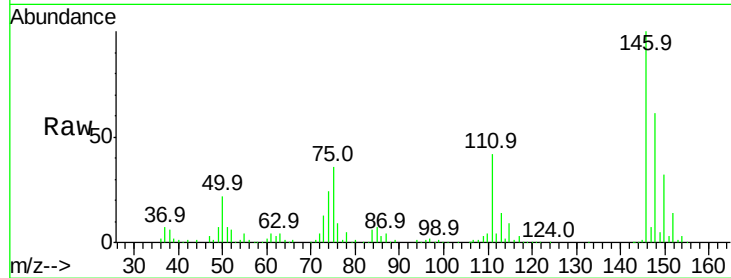




#65
 1,2-Dichlorobenzene
 Concen: 9.452 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. -0.00 min
 Lab File: VU039282.D
 Acq: 06 Jul 2020 10:56

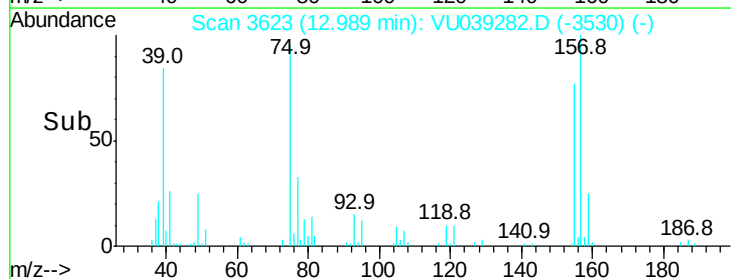
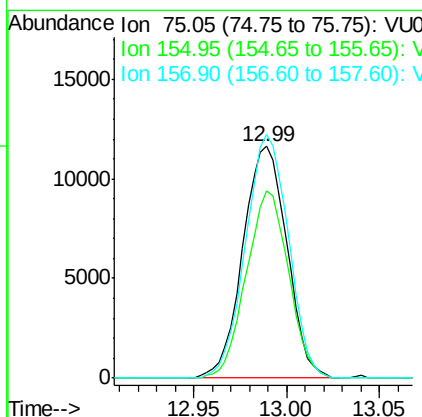
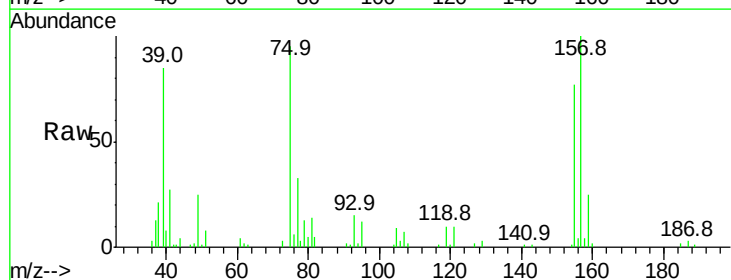
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01001

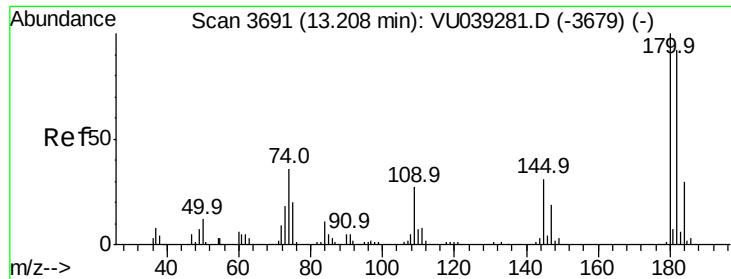
Tgt Ion: 146 Resp: 187671
 Ion Ratio Lower Upper
 146 100
 111 42.2 31.9 47.9
 148 61.1 50.6 76.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 9.596 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. -0.00 min
 Lab File: VU039282.D
 Acq: 06 Jul 2020 10:56

Tgt Ion: 75 Resp: 19188
 Ion Ratio Lower Upper
 75 100
 155 80.6 58.6 88.0
 157 105.1 71.4 107.0

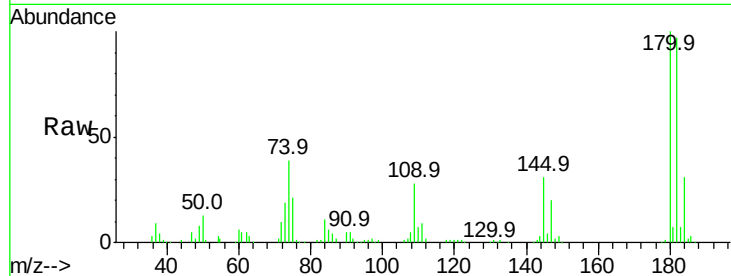




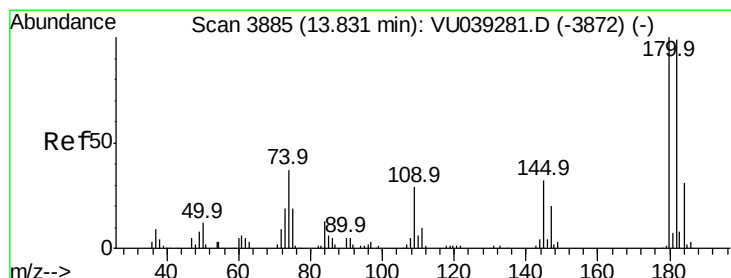
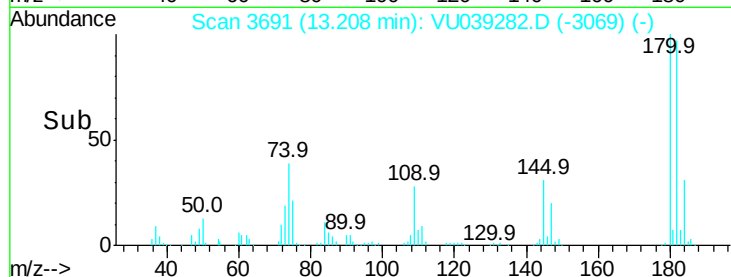
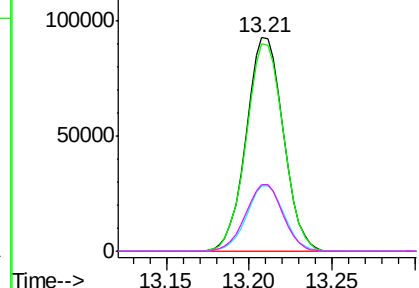
#67
 1,3,5-Trichlorobenzene
 Concen: 9.823 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. -0.00 min
 Lab File: VU039282.D
 Acq: 06 Jul 2020 10:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01001

Tgt Ion:180 Resp: 145192
 Ion Ratio Lower Upper
 180 100
 182 97.4 74.7 112.1
 184 30.9 23.7 35.5
 145 31.3 24.2 36.4

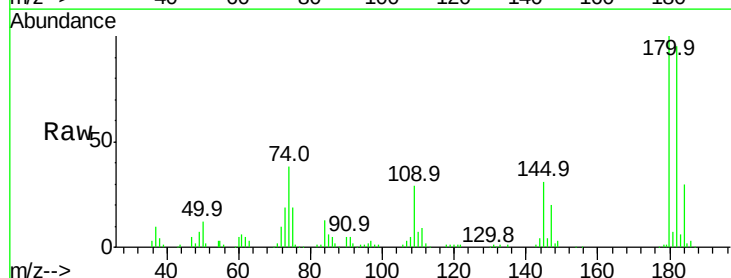


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

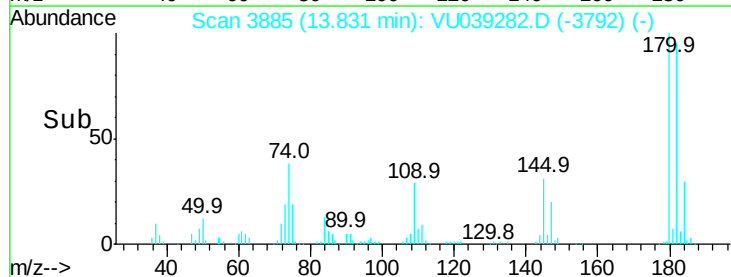
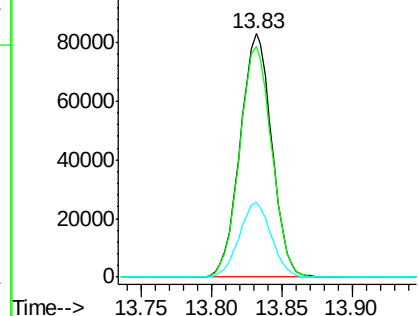


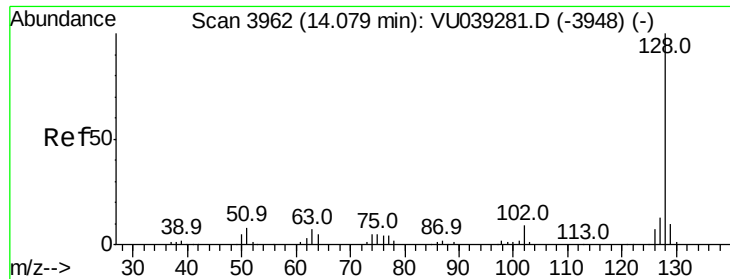
#68
 1,2,4-trichlorobenzene
 Concen: 10.476 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VU039282.D
 Acq: 06 Jul 2020 10:56

Tgt Ion:180 Resp: 130716
 Ion Ratio Lower Upper
 180 100
 182 96.2 77.6 116.4
 145 31.1 24.7 37.1



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: 11.938 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. -0.00 min

Lab File: VU039282.D

Acq: 06 Jul 2020 10:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD01001

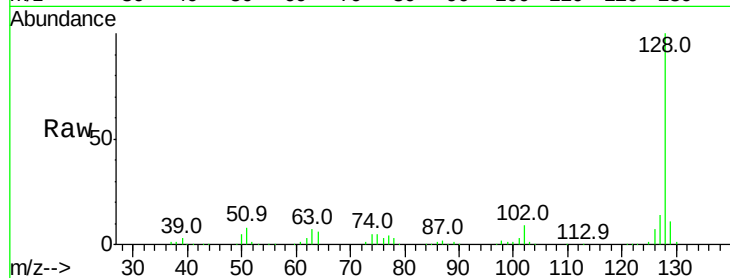
Tgt Ion:128 Resp: 267911

Ion Ratio Lower Upper

128 100

129 10.8 8.3 12.5

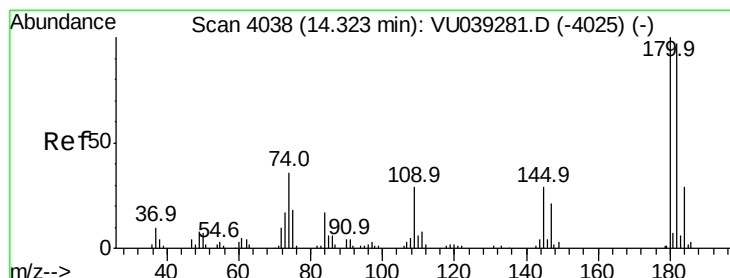
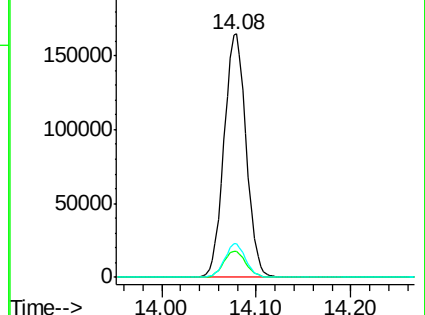
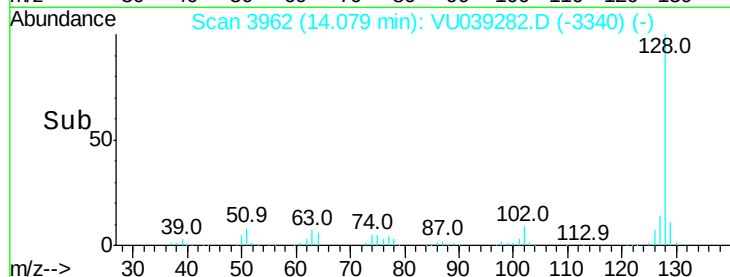
127 13.1 10.7 16.1



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: 10.283 ug/L

RT: 14.32 min Scan# 4038

Delta R.T. -0.00 min

Lab File: VU039282.D

Acq: 06 Jul 2020 10:56

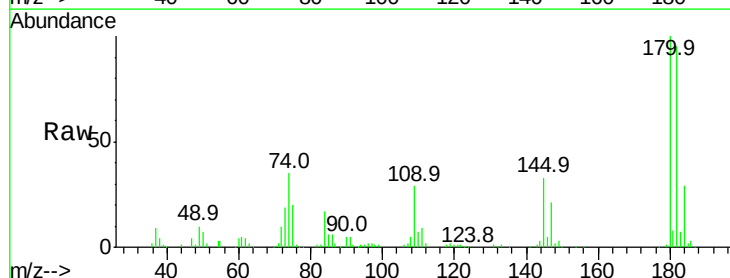
Tgt Ion:180 Resp: 119328

Ion Ratio Lower Upper

180 100

182 94.7 77.8 116.6

145 33.0 25.7 38.5



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

