

Data File : VU038937.D
Acq On : 17 Jun 2020 11:28
Operator : SY/MD
Sample : VSTD001
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00105

Quant Time: Jun 17 12:22:15 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR061720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jun 17 12:20:01 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	269239	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	270804	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	138614	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	19850	1.48	ug/L	0.00
7) Chloroethane-d5	1.93	69	16809	1.28	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	39484	1.21	ug/L	0.00
20) 2-Butanone-d5	4.69	46	59227	12.20	ug/L	0.00
24) Chloroform-d	5.10	84	37335	1.14	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	23273	1.25	ug/L	0.00
32) Benzene-d6	5.76	84	69300	1.15	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	22322	1.19	ug/L	0.00
41) Toluene-d8	7.92	98	62088	1.11	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	10105	1.22	ug/L	0.00
46) 2-Hexanone-d5	8.66	63	45035	11.00	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	20172	1.13	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.20	152	25073	1.06	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	27288	1.041 ug/L	97
3) Chloromethane	1.53	50	29029	1.328 ug/L	97
5) Vinyl chloride	1.62	62	27468	1.191 ug/L	97
6) Bromomethane	1.87	94	15221	1.075 ug/L	93
8) Chloroethane	1.95	64	17648	1.029 ug/L	100
9) Trichlorofluoromethane	2.16	101	40068	1.000 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	21700	1.092 ug/L	97
12) 1,1-Dichloroethene	2.61	96	20147	1.059 ug/L	96
13) Acetone	2.69	43	16465	4.144 ug/L #	8
14) Carbon disulfide	2.82	76	69119	1.094 ug/L	98
15) Methyl Acetate	2.99	43	11287	1.164 ug/L #	88
16) Methylene chloride	3.08	84	24457	1.118 ug/L	93
17) Methyl tert-butyl Ether	3.40	73	50899	1.048 ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	21608	1.072 ug/L	92
19) 1,1-Dichloroethane	3.91	63	37922	1.026 ug/L	100
21) 2-Butanone	4.76	43	68814	10.654 ug/L	97
22) cis-1,2-Dichloroethene	4.71	96	20884	0.991 ug/L	95
23) Bromochloromethane	5.02	128	10286	1.031 ug/L	95
25) Chloroform	5.12	83	39239	1.019 ug/L	95
27) 1,2-Dichloroethane	5.83	62	28665	1.049 ug/L	95
29) 1,1,1-Trichloroethane	5.35	97	35055	1.045 ug/L	93
30) Cyclohexane	5.42	56	31816	1.053 ug/L	98
31) Carbon tetrachloride	5.56	117	31243	1.094 ug/L	97
33) Benzene	5.81	78	81646	1.015 ug/L	100
34) Trichloroethene	6.57	95	21097	1.004 ug/L	98
35) Methylcyclohexane	6.79	83	32232	1.030 ug/L	98
37) 1,2-Dichloropropane	6.82	63	22087	1.064 ug/L	99
38) Bromodichloromethane	7.13	83	27726	1.016 ug/L	98
39) cis-1,3-Dichloropropene	7.63	75	29579	0.996 ug/L	98
40) 4-Methyl-2-pentanone	7.82	43	140730	9.940 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.99	91	83359	0.983	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	27974	1.030	ug/L	97
45) 1,1,2-Trichloroethane	8.42	97	15900	1.002	ug/L	98
47) Tetrachloroethene	8.57	164	16462	1.023	ug/L	96
48) 2-Hexanone	8.71	43	106103	9.454	ug/L	98
49) Dibromochloromethane	8.83	129	19052	1.035	ug/L	97
50) 1,2-Dibromoethane	8.95	107	15471	1.006	ug/L	97
51) Chlorobenzene	9.47	112	56151	1.018	ug/L	99
52) Ethylbenzene	9.59	91	87798	0.931	ug/L	100
53) m,p-Xylene	9.71	106	32980	0.930	ug/L	100
54) o-Xylene	10.11	106	31748	0.931	ug/L	100
55) Styrene	10.13	104	53633	0.905	ug/L	98
56) Isopropylbenzene	10.50	105	85235	0.962	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	21540	1.059	ug/L #	99
59) 1,2,3-Trichloropropane	10.84	75	15959	0.998	ug/L	99
61) Bromoform	10.31	173	10888	1.031	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	44600	1.021	ug/L	95
63) 1,4-Dichlorobenzene	11.85	146	46763	1.056	ug/L	98
65) 1,2-Dichlorobenzene	12.22	146	42278	0.974	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	3842	0.999	ug/L	88
67) 1,3,5-Trichlorobenzene	13.24	180	37107	1.127	ug/L	100
68) 1,2,4-trichlorobenzene	13.87	180	35754	1.296	ug/L	99
69) Naphthalene	14.11	128	62893	1.213	ug/L	98
70) 1,2,3-Trichlorobenzene	14.36	180	30514	1.182	ug/L	99

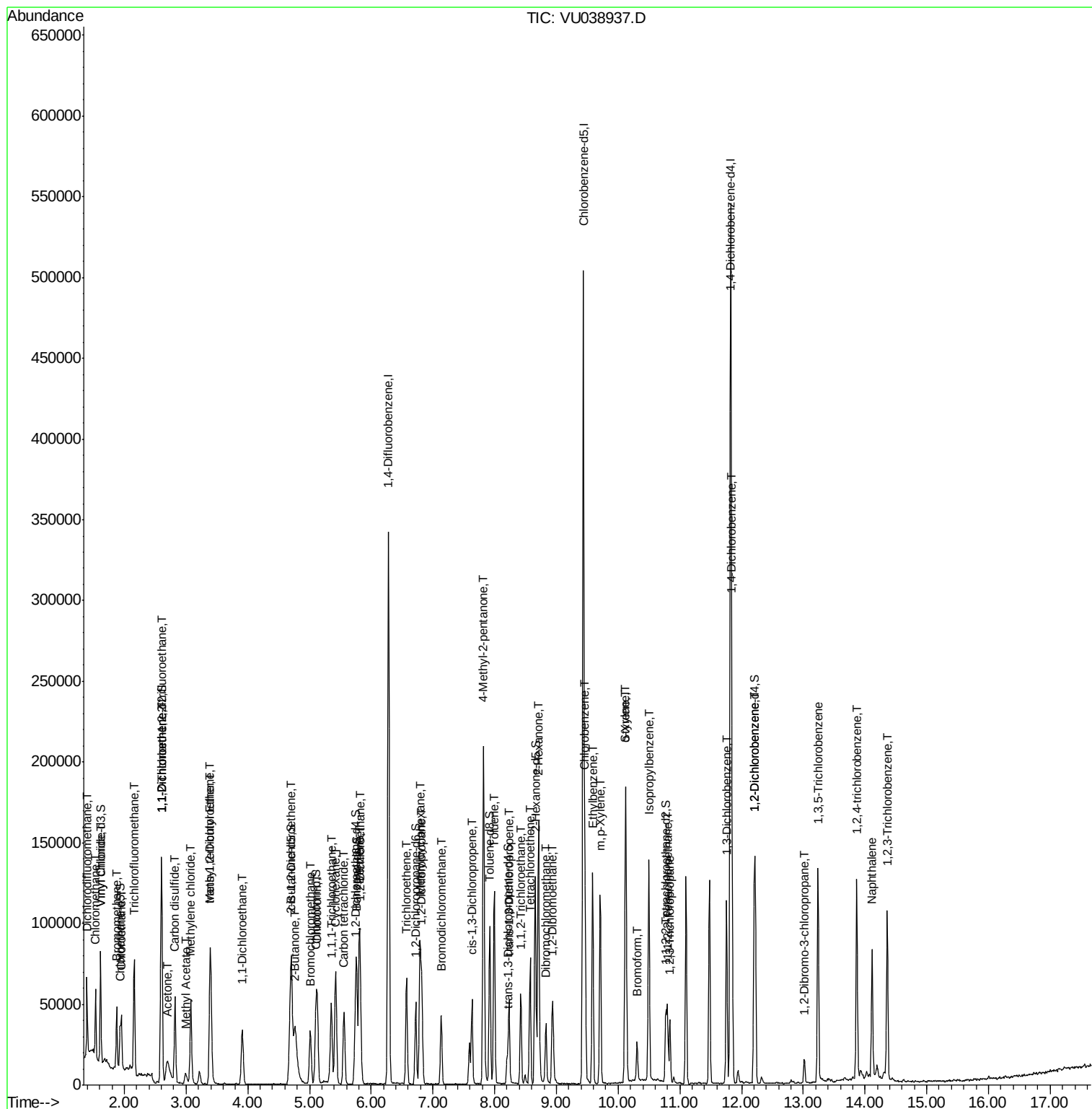
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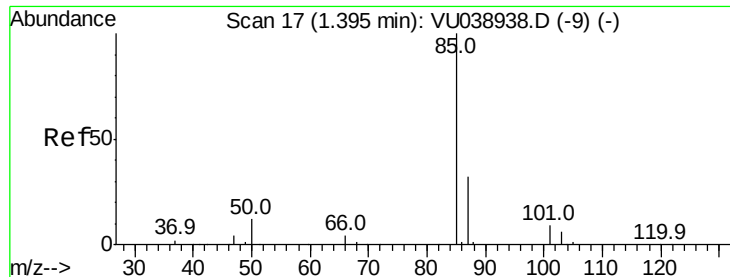
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#2

Dichlorodifluoromethane

Concen: 1.041 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU038937.D

Acq: 17 Jun 2020 11:28

Instrument :

MSVOA_U

ClientSampleId :

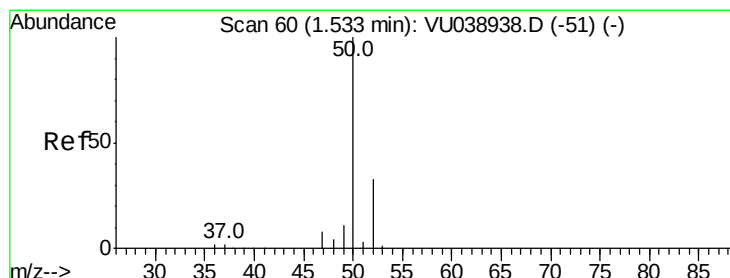
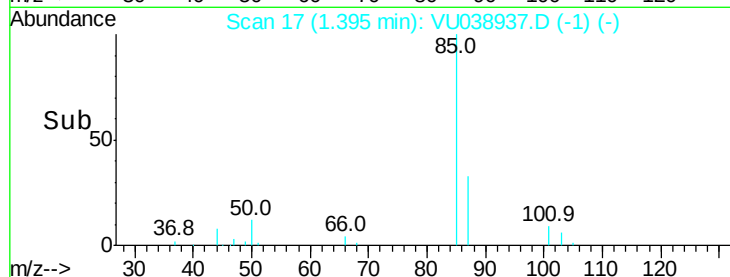
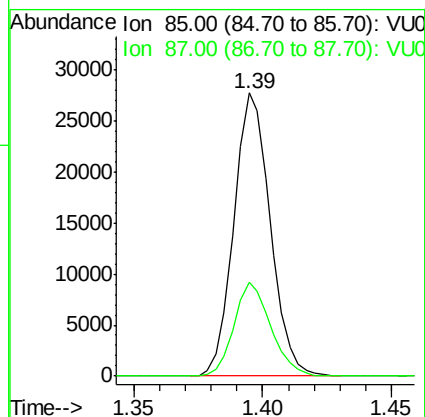
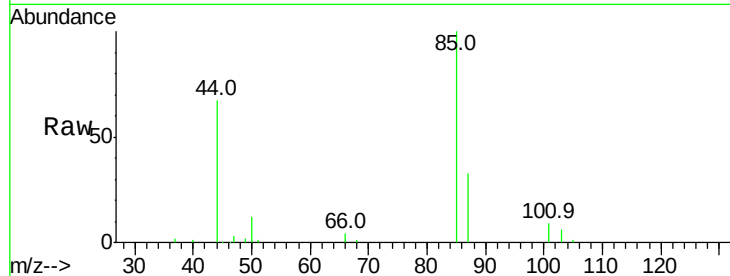
VSTD00105

Tgt Ion: 85 Resp: 27288

Ion Ratio Lower Upper

85 100

87 33.4 25.4 38.2



#3

Chloromethane

Concen: 1.328 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU038937.D

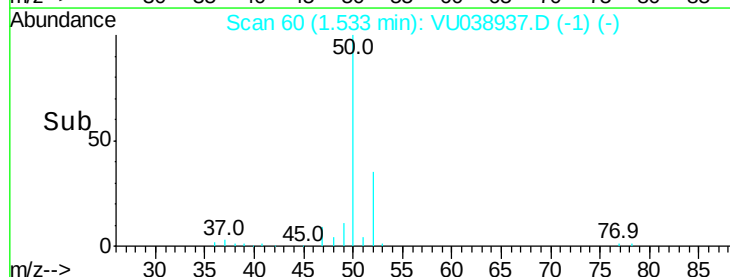
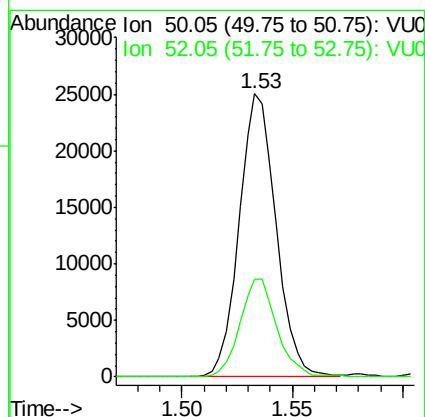
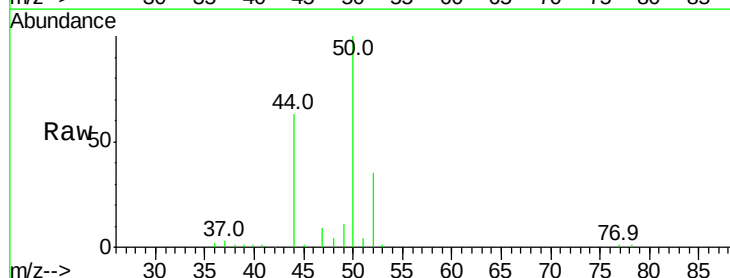
Acq: 17 Jun 2020 11:28

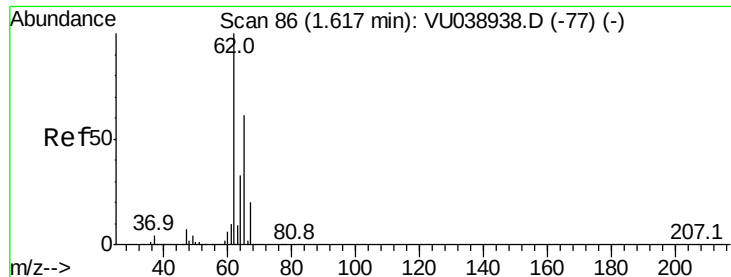
Tgt Ion: 50 Resp: 29029

Ion Ratio Lower Upper

50 100

52 34.7 23.2 43.2





#5

Vinyl chloride

Concen: 1.191 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU038937.D

Acq: 17 Jun 2020 11:28

Instrument :

MSVOA_U

ClientSampleId :

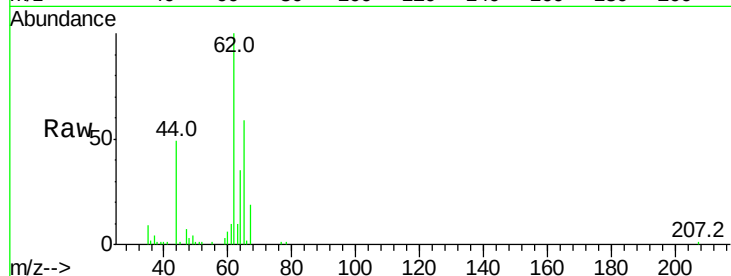
VSTD00105

Tgt Ion: 62 Resp: 27468

Ion Ratio Lower Upper

62 100

64 34.7 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VU038937.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU038937.D (-77) (-)

1.62

25000

20000

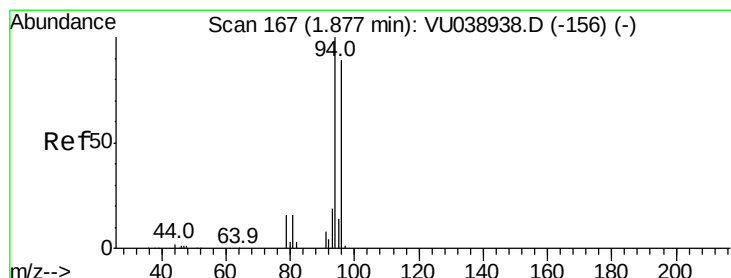
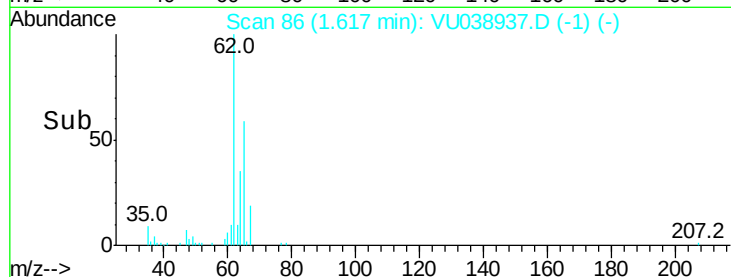
15000

10000

5000

0

Time-->



#6

Bromomethane

Concen: 1.075 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU038937.D

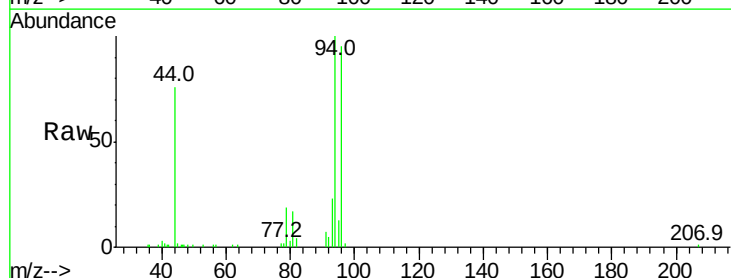
Acq: 17 Jun 2020 11:28

Tgt Ion: 94 Resp: 15221

Ion Ratio Lower Upper

94 100

96 95.3 62.3 115.7



Abundance Ion 94.00 (93.70 to 94.70): VU038937.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU038937.D (-156) (-)

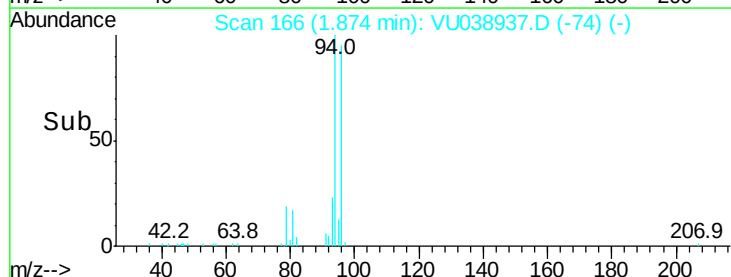
1.87

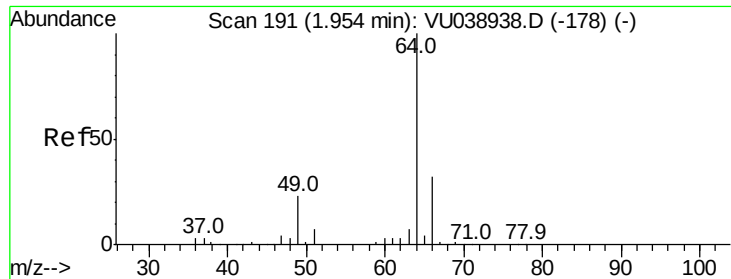
10000

5000

0

Time-->

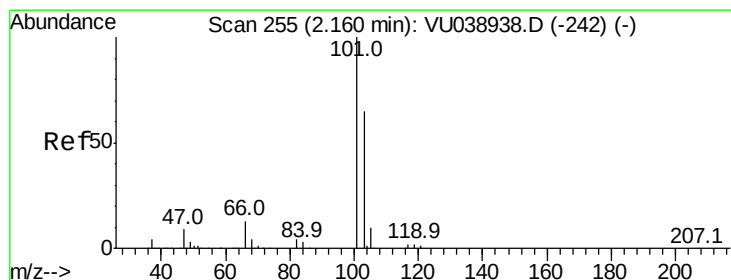
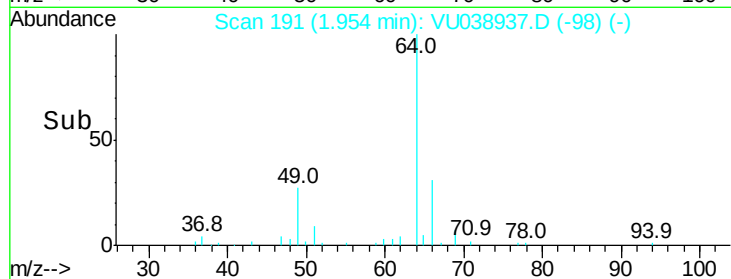
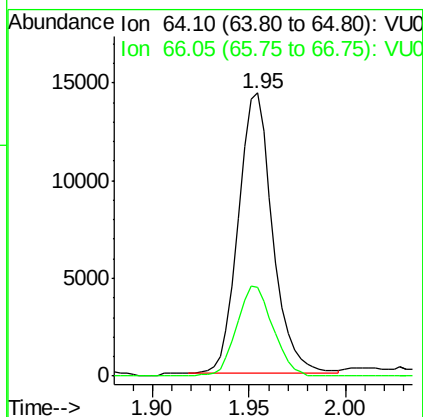
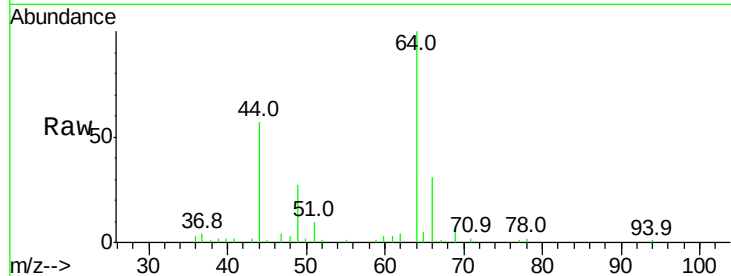




#8
Chloroethane
Concen: 1.029 ug/L
RT: 1.95 min Scan# 191
Delta R.T. -0.00 min
Lab File: VU038937.D
Acq: 17 Jun 2020 11:28

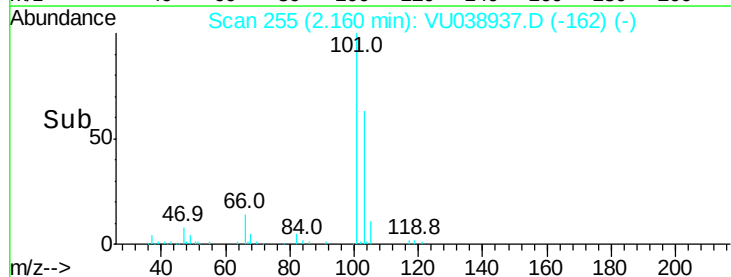
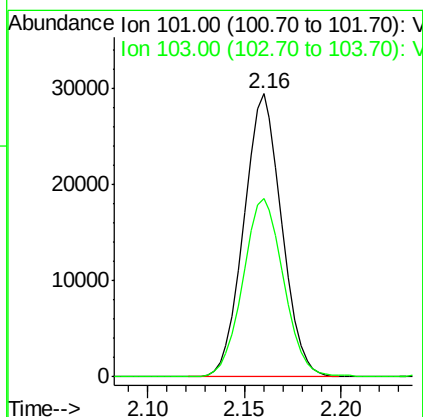
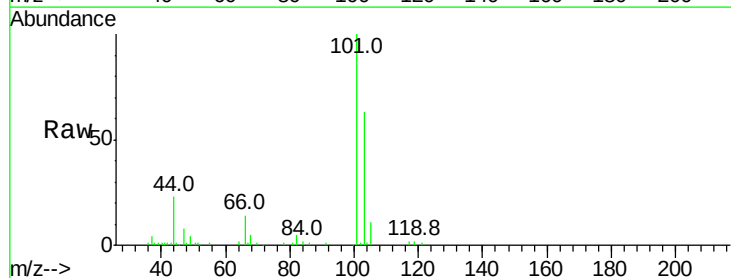
Instrument :
MSVOA_U
ClientSampleId :
VSTD00105

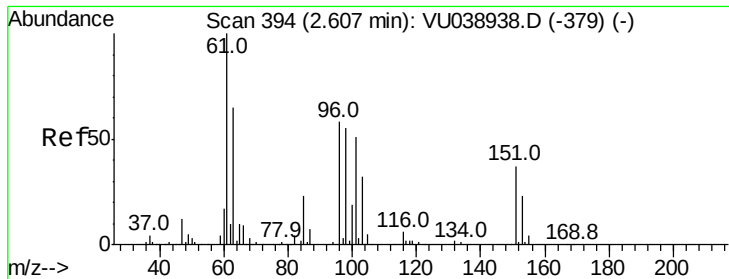
Tgt Ion: 64 Resp: 17648
Ion Ratio Lower Upper
64 100
66 31.4 22.1 41.1



#9
Trichlorofluoromethane
Concen: 1.000 ug/L
RT: 2.16 min Scan# 255
Delta R.T. -0.00 min
Lab File: VU038937.D
Acq: 17 Jun 2020 11:28

Tgt Ion: 101 Resp: 40068
Ion Ratio Lower Upper
101 100
103 67.8 51.4 77.2





#10

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

Concen: 1.092 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU038937.D

Acq: 17 Jun 2020 11:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD00105

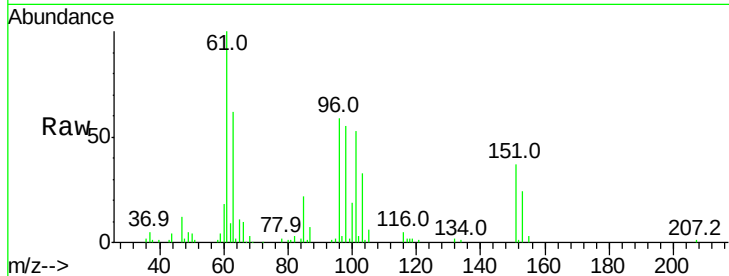
Tgt Ion:101 Resp: 21700

Ion Ratio Lower Upper

101 100

85 42.3 35.7 53.5

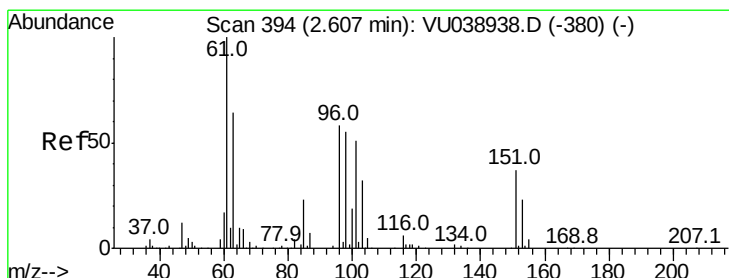
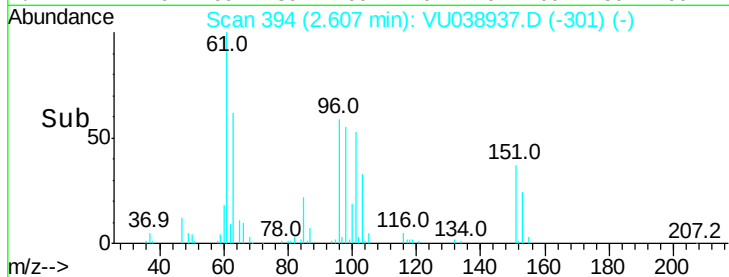
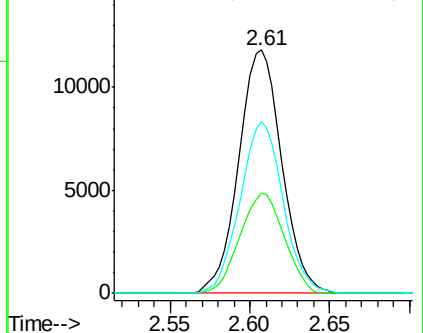
151 70.5 58.5 87.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 1.059 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU038937.D

Acq: 17 Jun 2020 11:28

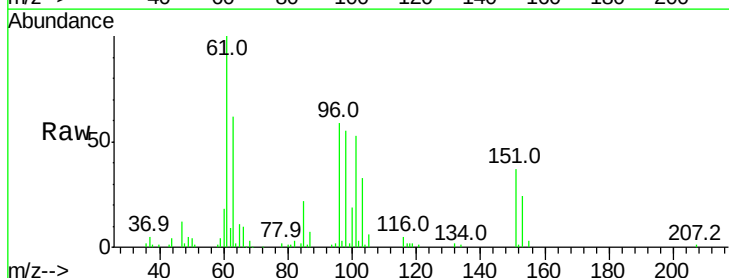
Tgt Ion: 96 Resp: 20147

Ion Ratio Lower Upper

96 100

61 169.5 120.3 223.5

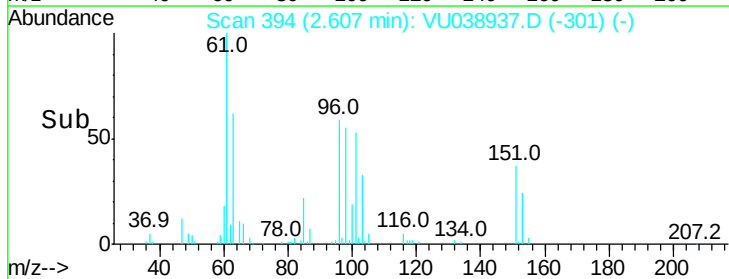
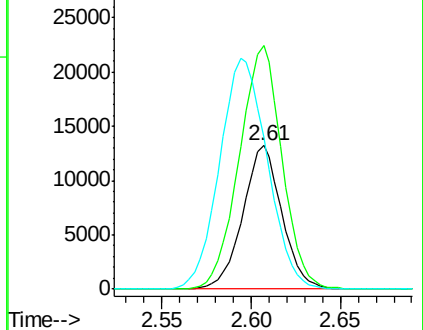
63 105.3 78.7 146.1

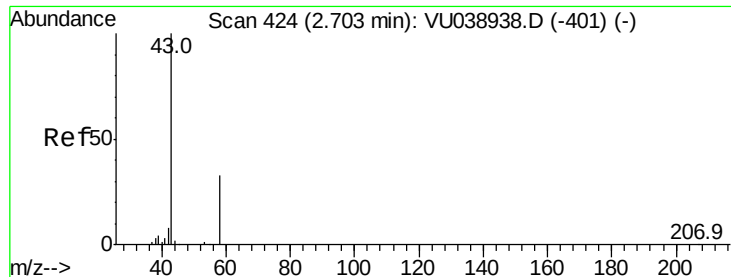


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 4.144 ug/L

RT: 2.69 min Scan# 421

Delta R.T. -0.01 min

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Acq: 17 Jun 2020 11:28

Instrument :

MSVOA_U

ClientSampleId :

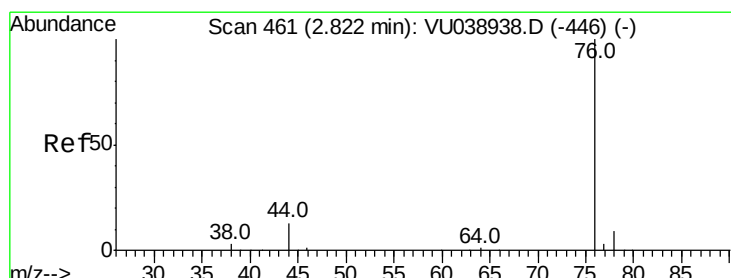
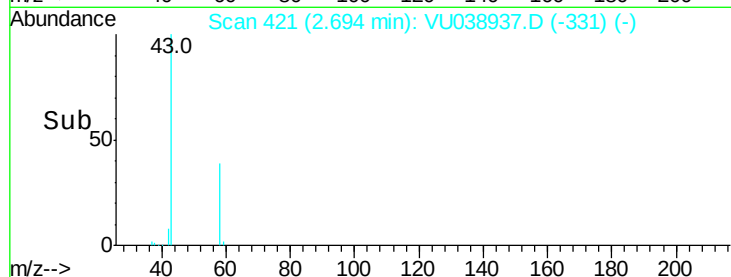
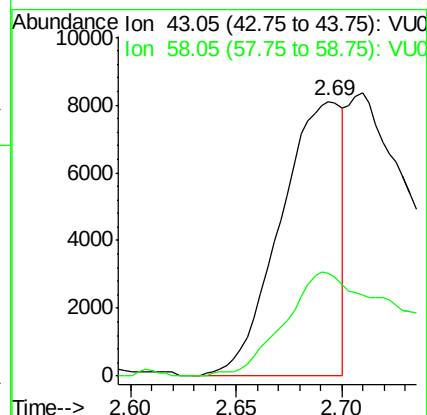
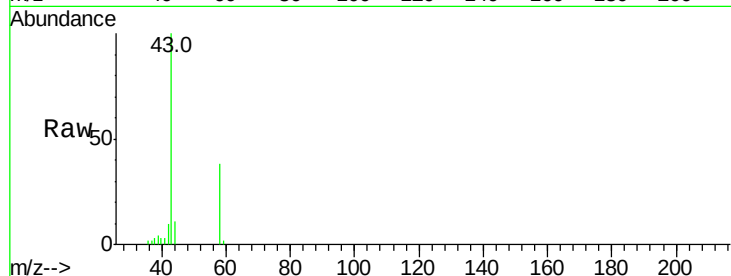
VSTD00105

Tgt Ion: 43 Resp: 16465

Ion Ratio Lower Upper

43 100

58 84.3 0.0 65.0#



#14

Carbon disulfide

Concen: 1.094 ug/L

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU038937.D

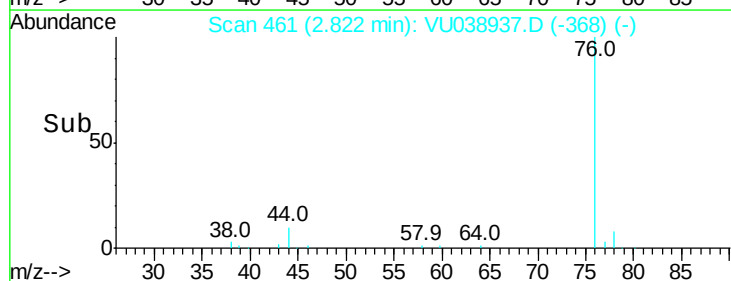
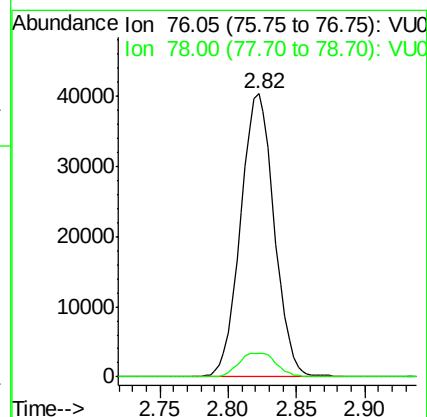
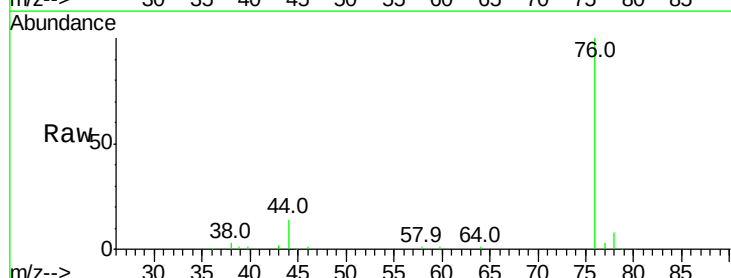
Acq: 17 Jun 2020 11:28

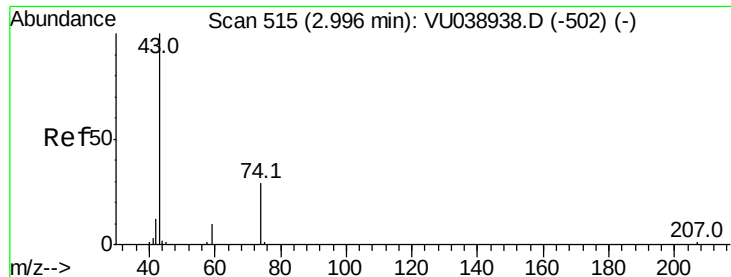
Tgt Ion: 76 Resp: 69119

Ion Ratio Lower Upper

76 100

78 8.5 7.4 11.0

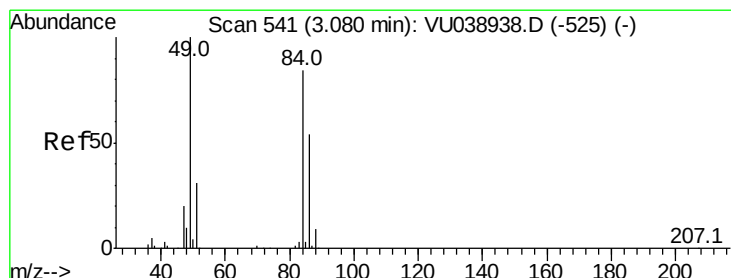
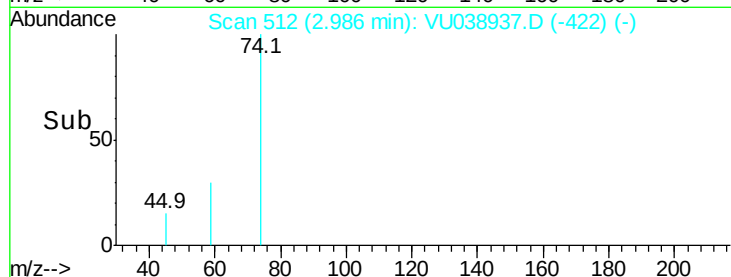
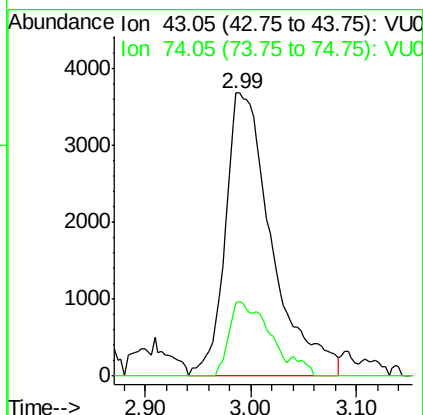
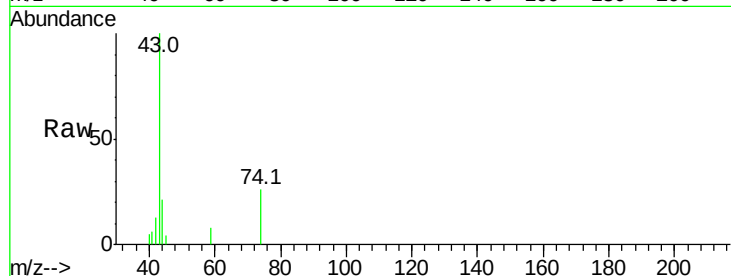




#15
Methyl Acetate
Concen: 1.164 ug/L
RT: 2.99 min Scan# 512
Delta R.T. -0.01 min
Lab File: VU038937.D
Acq: 17 Jun 2020 11:28

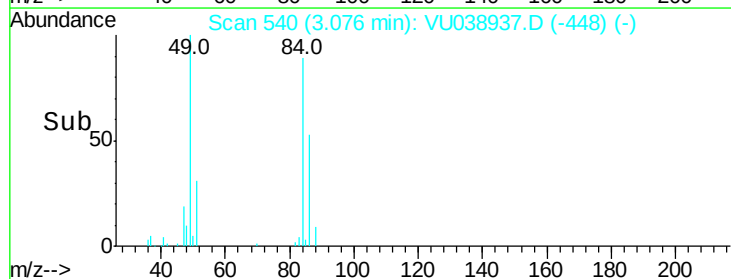
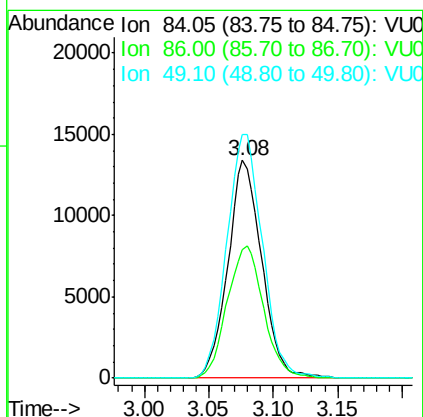
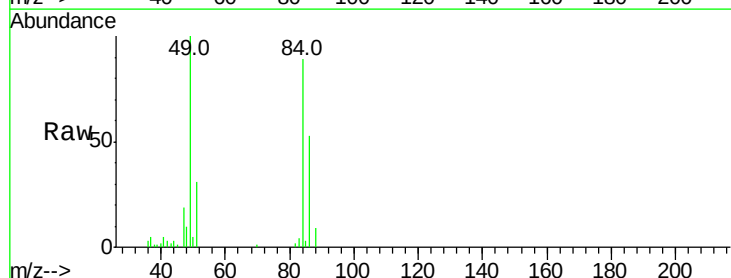
Instrument :
MSVOA_U
ClientSampleId :
VSTD00105

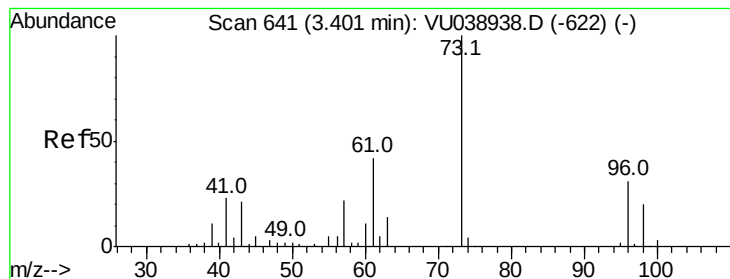
Tgt Ion: 43 Resp: 11287
Ion Ratio Lower Upper
43 100
74 21.7 22.2 33.2#



#16
Methylene chloride
Concen: 1.118 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU038937.D
Acq: 17 Jun 2020 11:28

Tgt Ion: 84 Resp: 24457
Ion Ratio Lower Upper
84 100
86 59.1 45.1 83.7
49 111.9 83.7 155.4





#17

Methyl tert-butyl Ether

Concen: 1.048 ug/L

RT: 3.40 min Scan# 641

Delta R.T. -0.00 min

Lab File: VU038937.D

Acq: 17 Jun 2020 11:28

Instrument :

MSVOA_U

ClientSampled :

VSTD00105

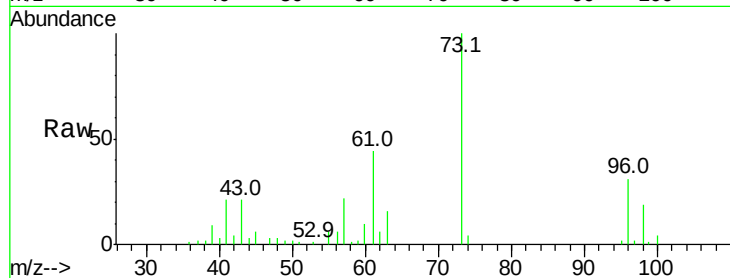
Tgt Ion: 73 Resp: 50899

Ion Ratio Lower Upper

73 100

43 22.2 17.0 25.4

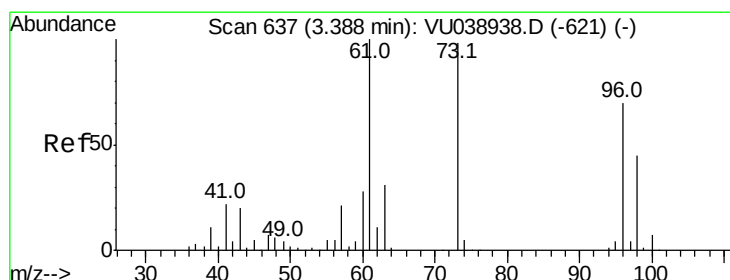
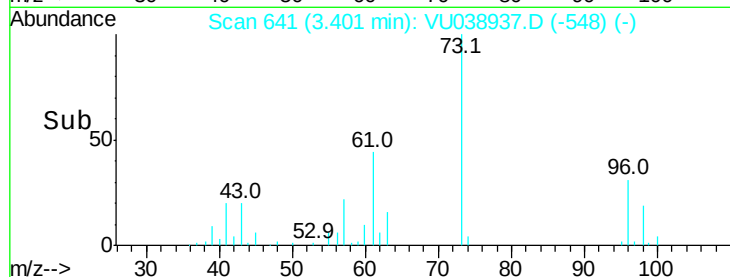
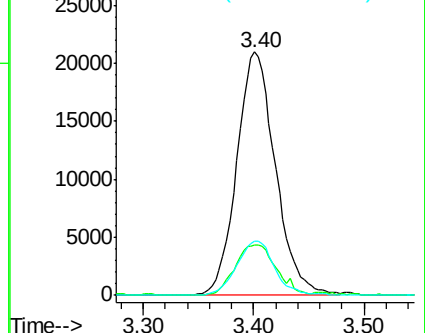
57 21.8 17.7 26.5



Abundance Ion 73.10 (72.80 to 73.80): VU038937.D (-548) (-)

Ion 43.05 (42.75 to 43.75): VU038937.D (-548) (-)

Ion 57.10 (56.80 to 57.80): VU038937.D (-548) (-)



#18

trans-1,2-Dichloroethene

Concen: 1.072 ug/L

RT: 3.39 min Scan# 637

Delta R.T. -0.00 min

Lab File: VU038937.D

Acq: 17 Jun 2020 11:28

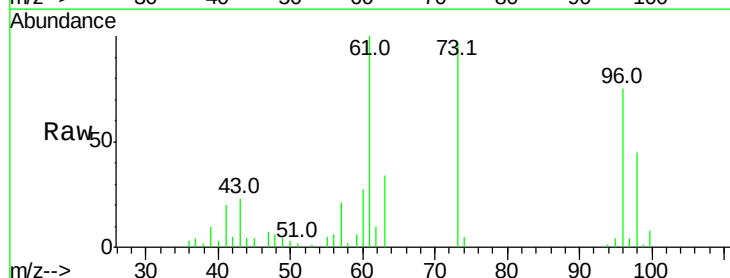
Tgt Ion: 96 Resp: 21608

Ion Ratio Lower Upper

96 100

61 132.5 100.3 186.3

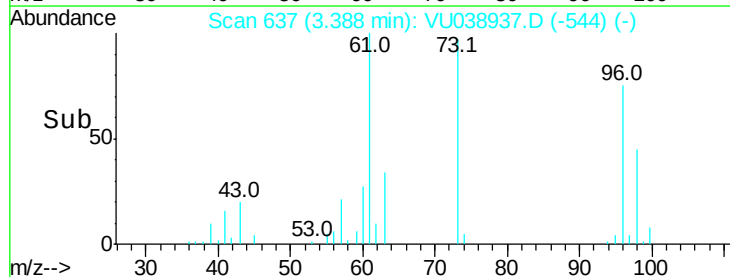
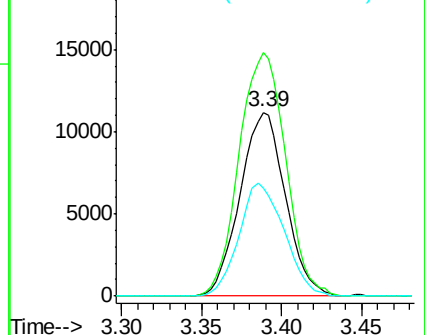
98 59.1 45.4 84.2

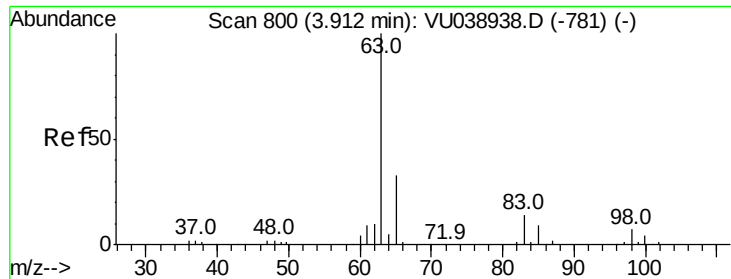


Abundance Ion 96.00 (95.70 to 96.70): VU038937.D (-544) (-)

Ion 61.05 (60.75 to 61.75): VU038937.D (-544) (-)

Ion 97.95 (97.65 to 98.65): VU038937.D (-544) (-)

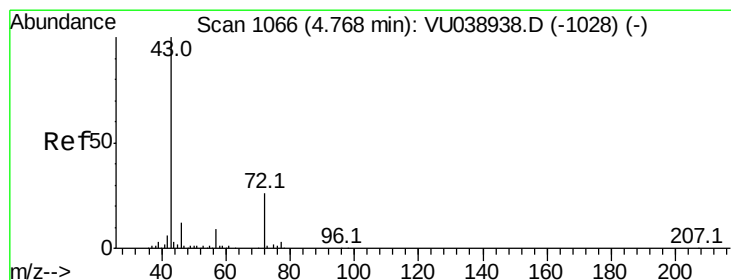
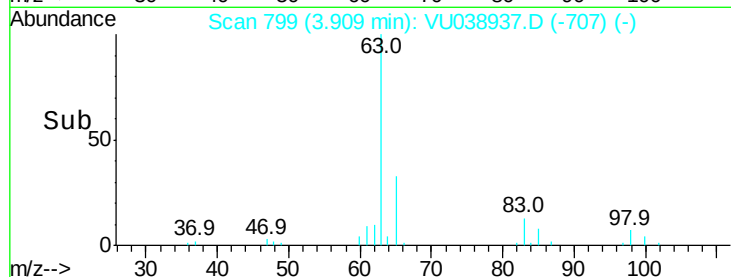
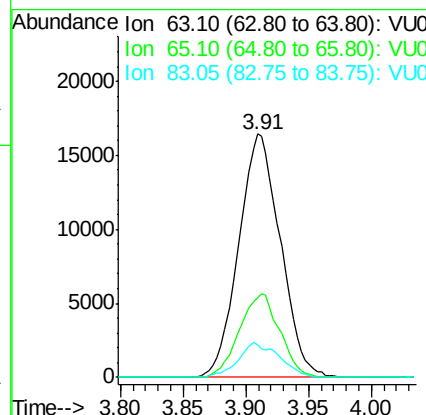
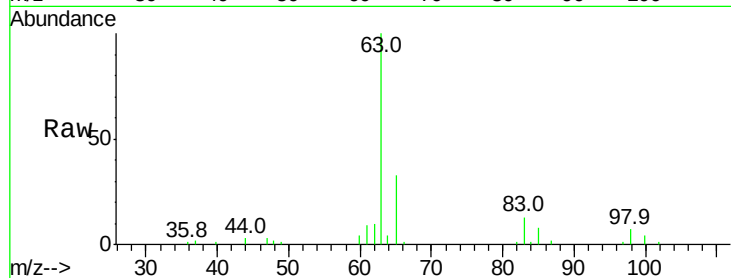




#19
 1,1-Dichloroethane
 Concen: 1.026 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: VU038937.D
 Acq: 17 Jun 2020 11:28

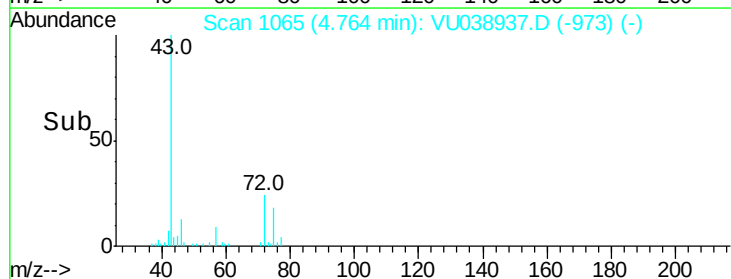
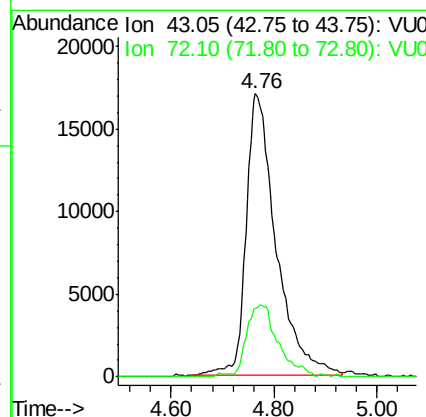
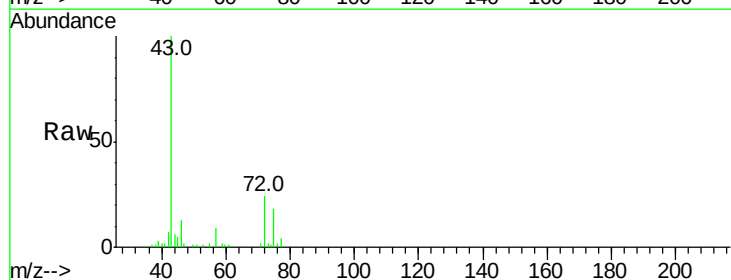
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00105

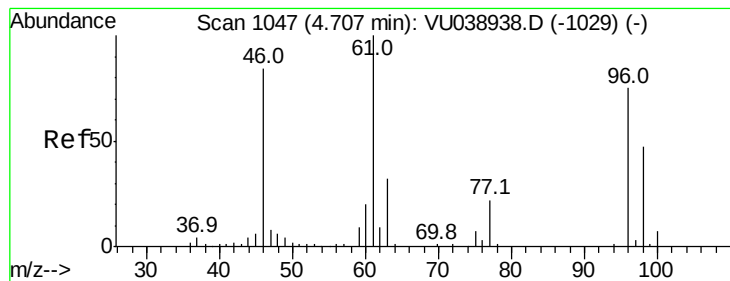
Tgt Ion: 63 Resp: 37922
 Ion Ratio Lower Upper
 63 100
 65 32.7 22.8 42.4
 83 13.3 9.6 17.8



#21
 2-Butanone
 Concen: 10.654 ug/L
 RT: 4.76 min Scan# 1065
 Delta R.T. -0.00 min
 Lab File: VU038937.D
 Acq: 17 Jun 2020 11:28

Tgt Ion: 43 Resp: 68814
 Ion Ratio Lower Upper
 43 100
 72 26.5 12.5 37.5





#22

cis-1,2-Dichloroethene

Concen: 0.991 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU038937.D

Acq: 17 Jun 2020 11:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD00105

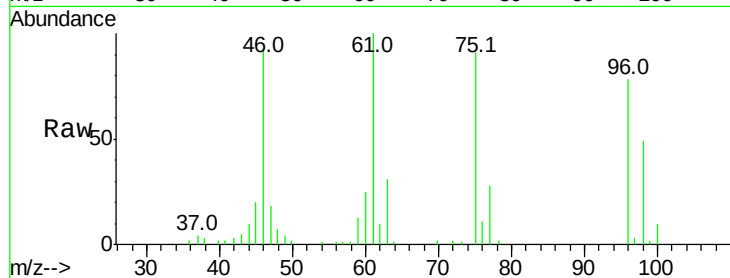
Tgt Ion: 96 Resp: 20884

Ion Ratio Lower Upper

96 100

61 127.7 93.7 173.9

68 0.0 0.0 0.0



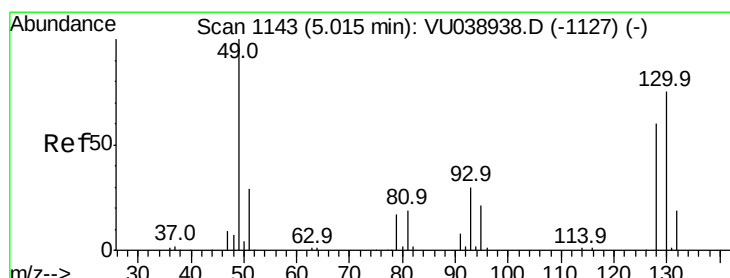
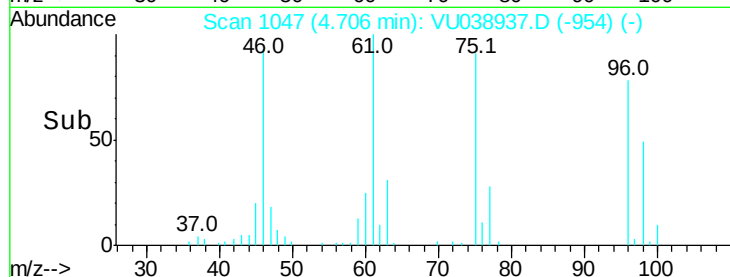
Abundance Ion 96.00 (95.70 to 96.70): VU038937.D (-1029) (-)

Ion 61.05 (60.75 to 61.75): VU038937.D (-1029) (-)

Ion 68.15 (67.85 to 68.85): VU038937.D (-1029) (-)

4.71

Time-->



#23

Bromochloromethane

Concen: 1.031 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VU038937.D

Acq: 17 Jun 2020 11:28

Tgt Ion: 128 Resp: 10286

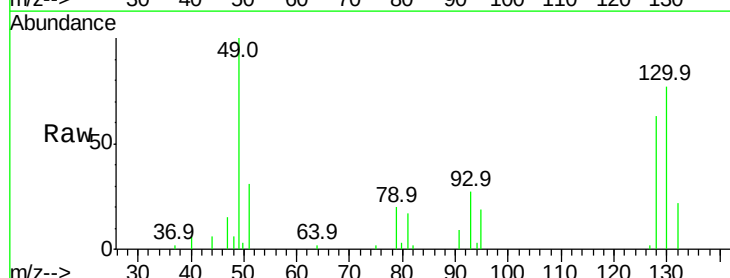
Ion Ratio Lower Upper

128 100

49 158.1 117.4 218.0

130 121.2 87.8 163.2

51 49.3 39.1 58.7



Abundance Ion 127.90 (127.60 to 128.60): VU038937.D (-1050) (-)

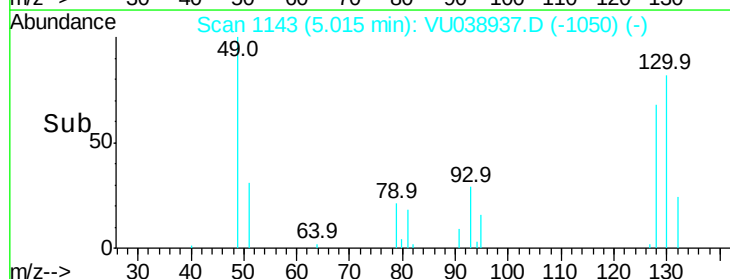
Ion 49.10 (48.80 to 49.80): VU038937.D (-1050) (-)

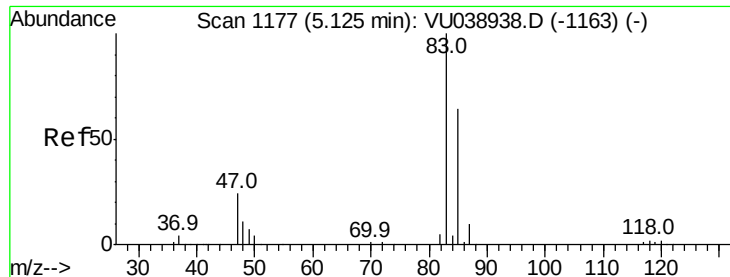
Ion 129.95 (129.65 to 130.65): VU038937.D (-1050) (-)

Ion 51.05 (50.75 to 51.75): VU038937.D (-1050) (-)

5.02

Time-->





#25

Chloroform

Concen: 1.019 ug/L

RT: 5.12 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VU038937.D

Acq: 17 Jun 2020 11:28

Instrument :

MSVOA_U

ClientSampleId :

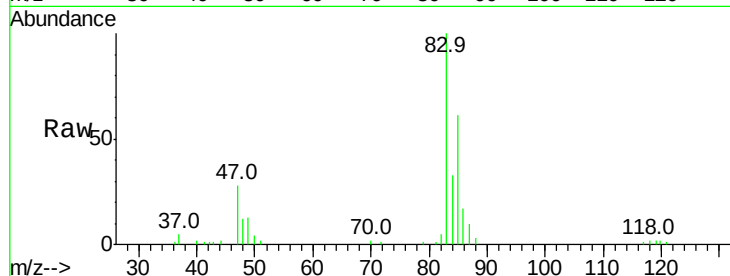
VSTD00105

Tgt Ion: 83 Resp: 39239

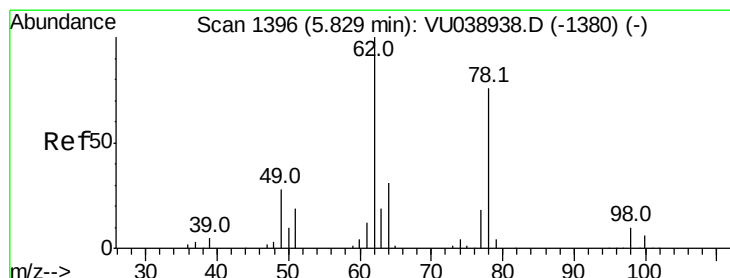
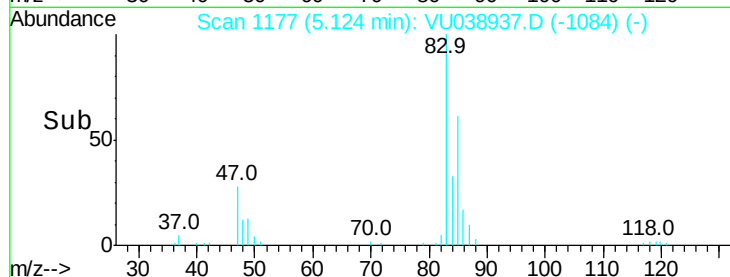
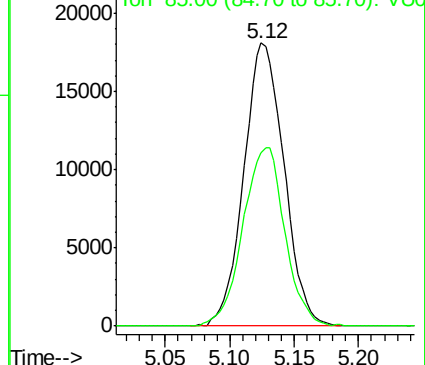
Ion Ratio Lower Upper

83 100

85 61.2 45.5 84.5



Abundance Ion 83.05 (82.75 to 83.75): VU038937.D (-1084) (-)



#27

1,2-Dichloroethane

Concen: 1.049 ug/L

RT: 5.83 min Scan# 1396

Delta R.T. -0.00 min

Lab File: VU038937.D

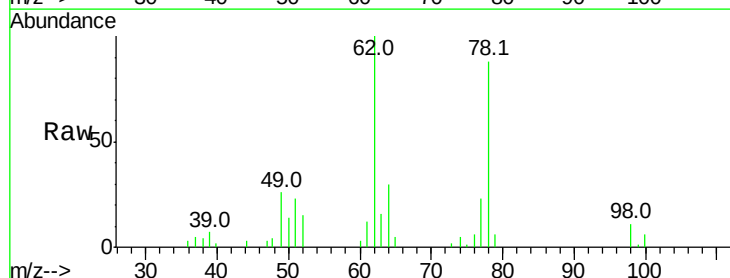
Acq: 17 Jun 2020 11:28

Tgt Ion: 62 Resp: 28665

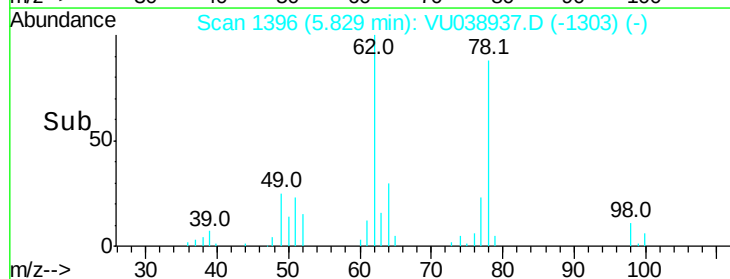
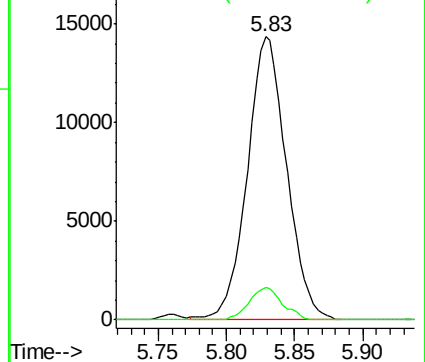
Ion Ratio Lower Upper

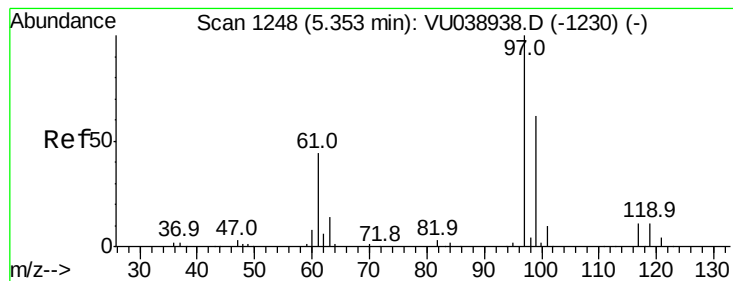
62 100

98 11.4 7.6 11.4



Abundance Ion 62.00 (61.70 to 62.70): VU038937.D (-1303) (-)





#29

1,1,1-Trichloroethane

Concen: 1.045 ug/L

RT: 5.35 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VU038937.D

Acq: 17 Jun 2020 11:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD00105

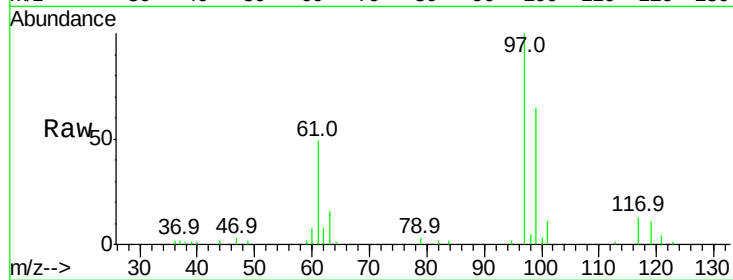
Tgt Ion: 97 Resp: 35055

Ion Ratio Lower Upper

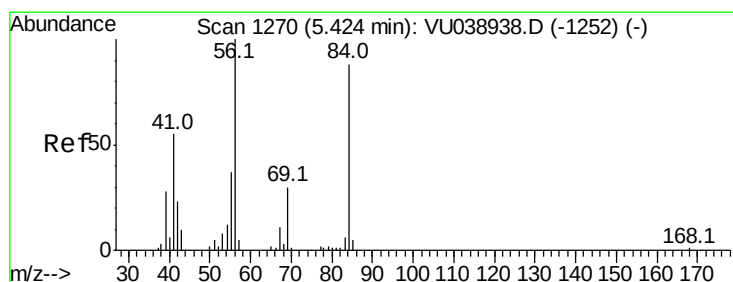
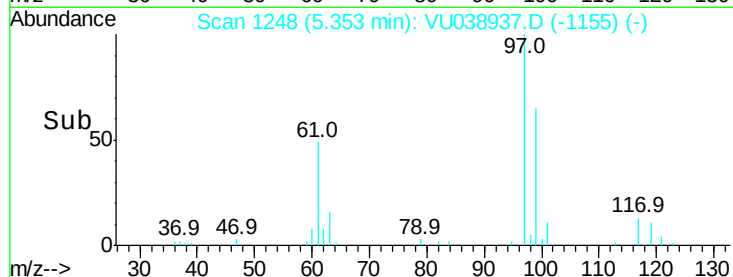
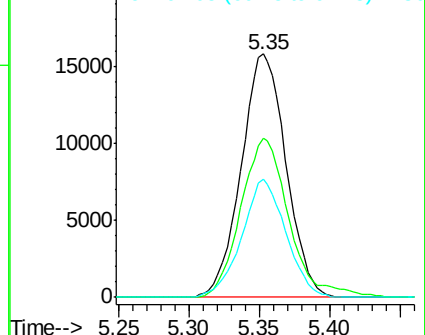
97 100

99 70.3 50.8 76.2

61 47.6 35.6 53.4



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



#30

Cyclohexane

Concen: 1.053 ug/L

RT: 5.42 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VU038937.D

Acq: 17 Jun 2020 11:28

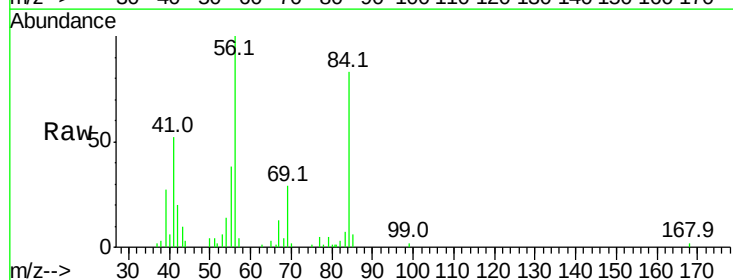
Tgt Ion: 56 Resp: 31816

Ion Ratio Lower Upper

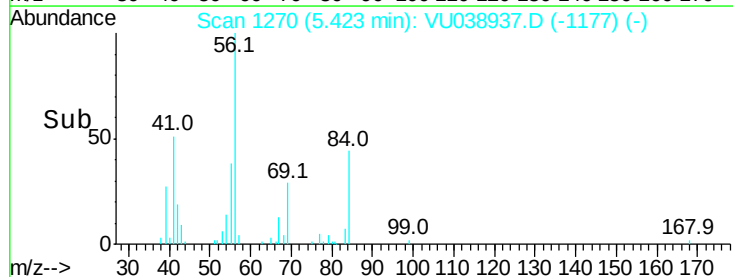
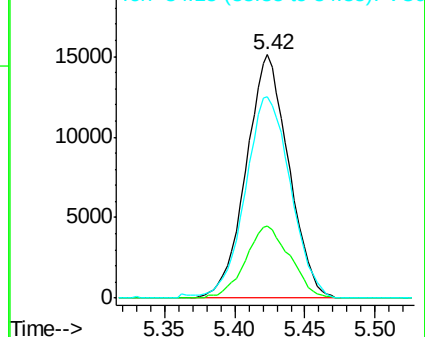
56 100

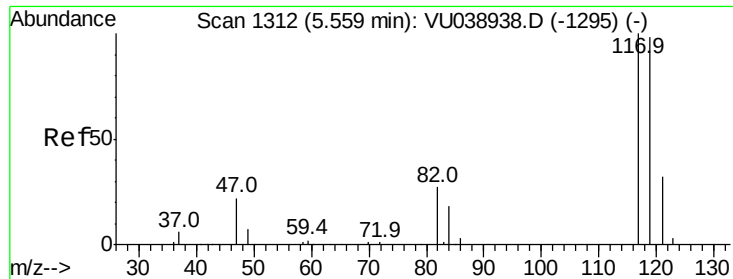
69 30.9 25.0 37.4

84 88.2 72.0 108.0



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

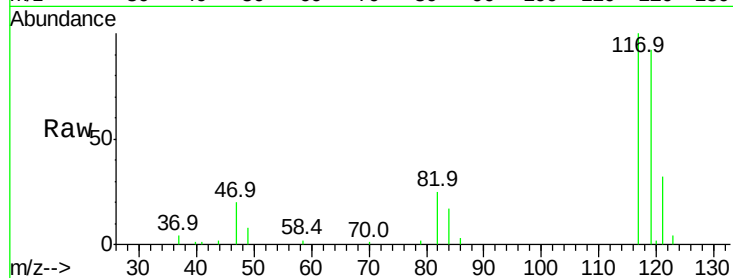




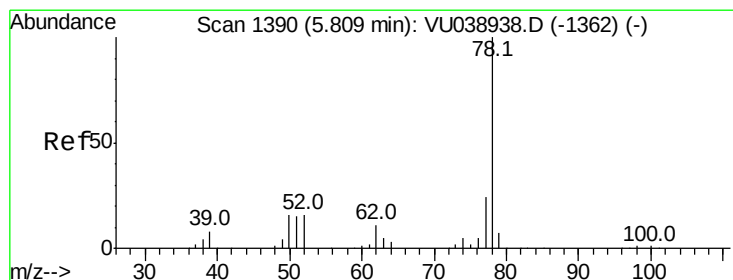
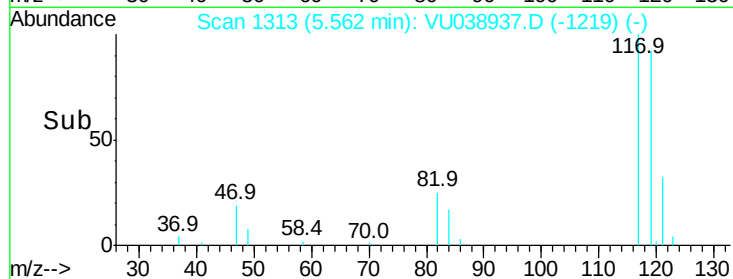
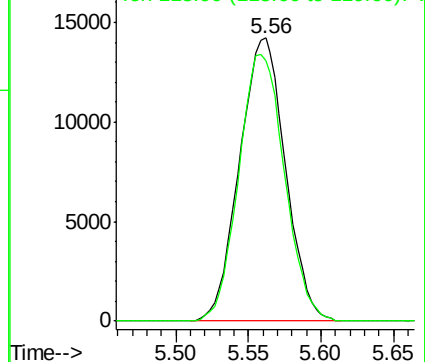
#31
Carbon tetrachloride
Concen: 1.094 ug/L
RT: 5.56 min Scan# 1313
Delta R.T. 0.00 min
Lab File: VU038937.D
Acq: 17 Jun 2020 11:28

Instrument :
MSVOA_U
ClientSampleId :
VSTD00105

Tgt Ion:117 Resp: 31243
Ion Ratio Lower Upper
117 100
119 94.3 77.4 116.2

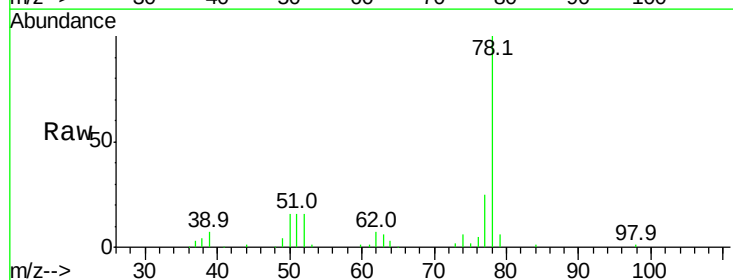


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V

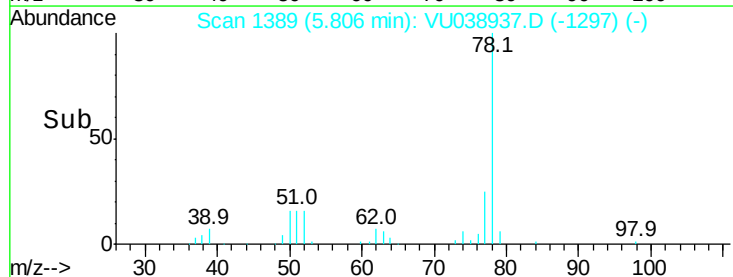
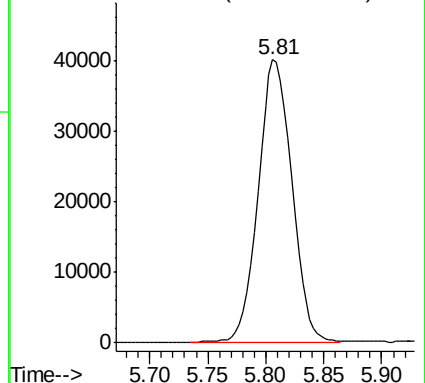


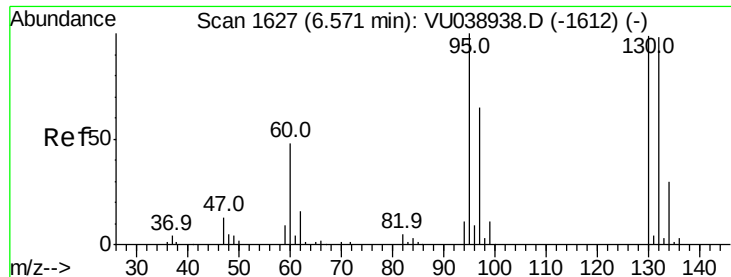
#33
Benzene
Concen: 1.015 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VU038937.D
Acq: 17 Jun 2020 11:28

Tgt Ion: 78 Resp: 81646



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 1.004 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VU038937.D

Acq: 17 Jun 2020 11:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD00105

Tgt Ion: 95 Resp: 21097

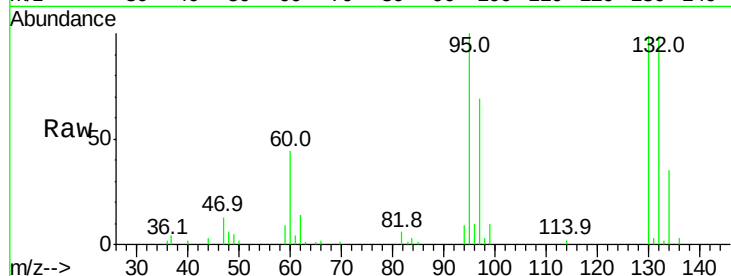
Ion Ratio Lower Upper

95 100

97 68.6 45.4 84.4

132 99.4 68.4 127.0

130 98.7 69.6 129.2

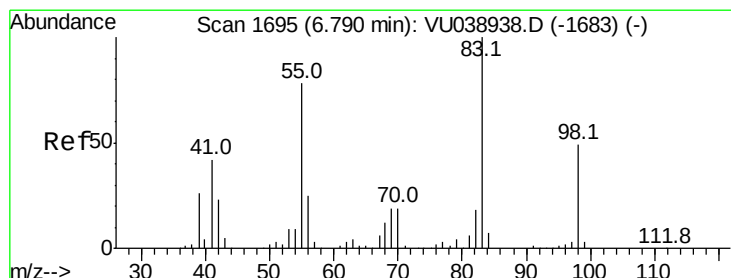
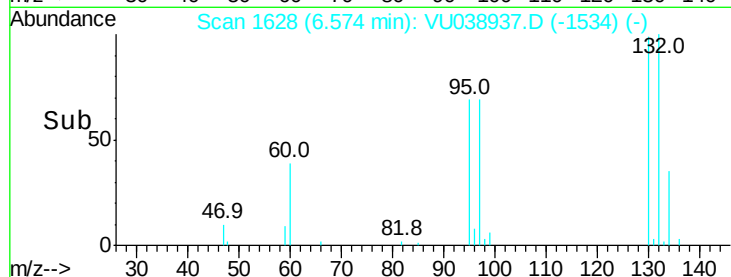
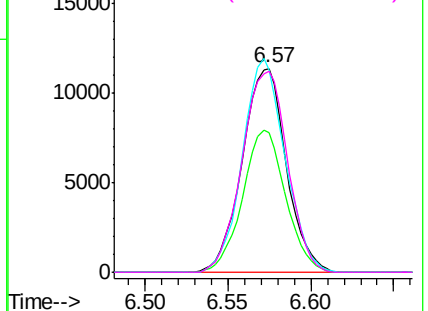


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 1.030 ug/L

RT: 6.79 min Scan# 1695

Delta R.T. -0.00 min

Lab File: VU038937.D

Acq: 17 Jun 2020 11:28

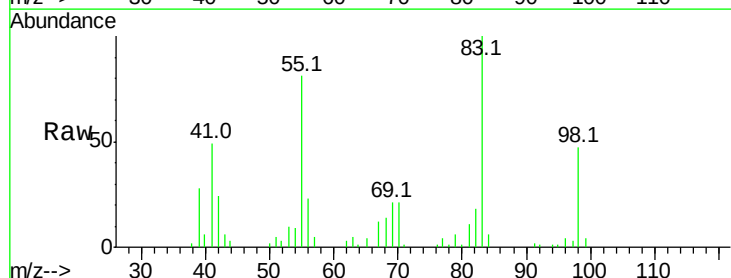
Tgt Ion: 83 Resp: 32232

Ion Ratio Lower Upper

83 100

55 78.7 61.8 92.8

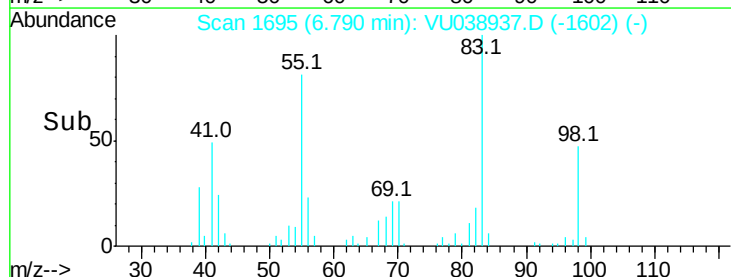
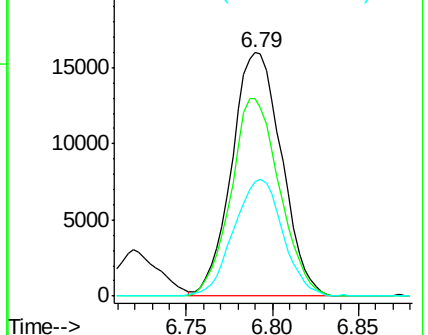
98 46.9 39.3 58.9

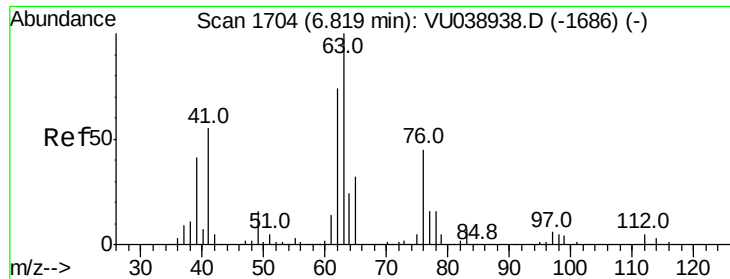


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

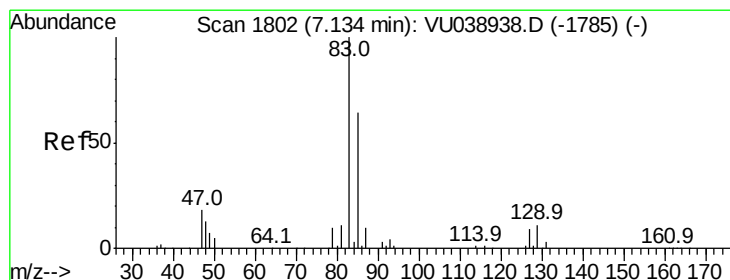
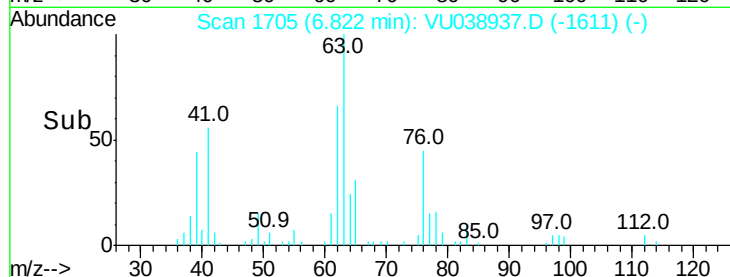
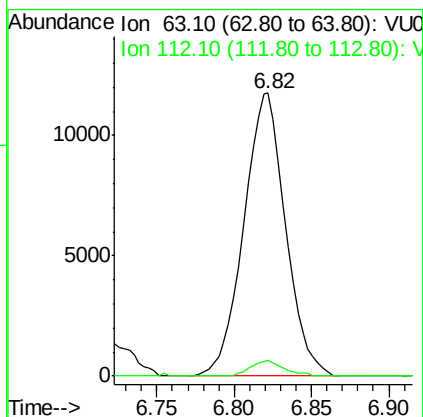
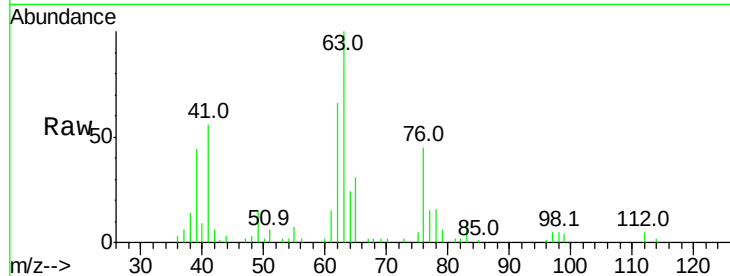




#37
 1,2-Dichloropropane
 Concen: 1.064 ug/L
 RT: 6.82 min Scan# 1705
 Delta R.T. 0.00 min
 Lab File: VU038937.D
 Acq: 17 Jun 2020 11:28

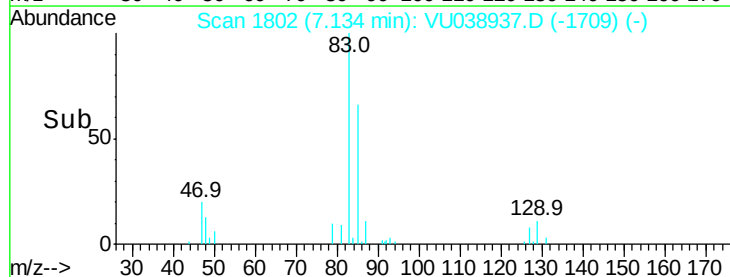
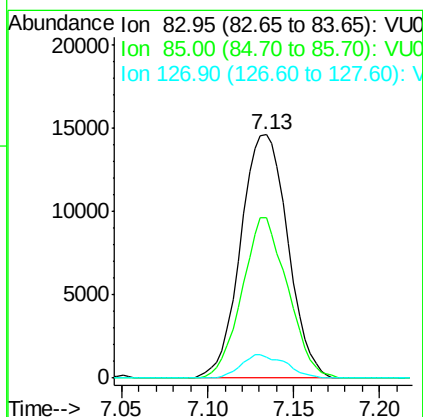
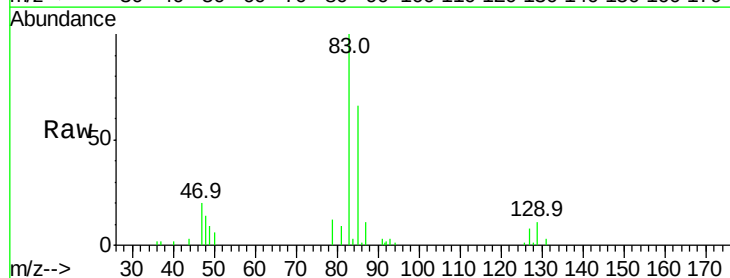
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00105

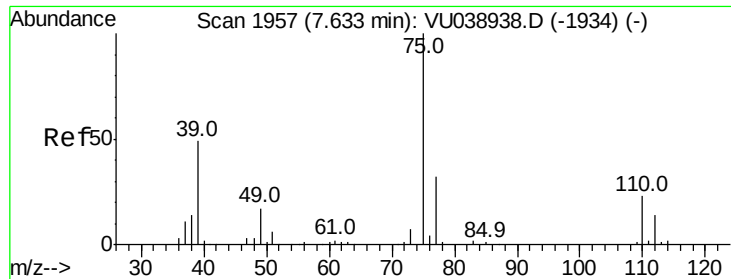
Tgt Ion: 63 Resp: 22087
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.9 5.9



#38
 Bromodichloromethane
 Concen: 1.016 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VU038937.D
 Acq: 17 Jun 2020 11:28

Tgt Ion: 83 Resp: 27726
 Ion Ratio Lower Upper
 83 100
 85 66.0 45.0 83.6
 127 8.5 7.0 10.4

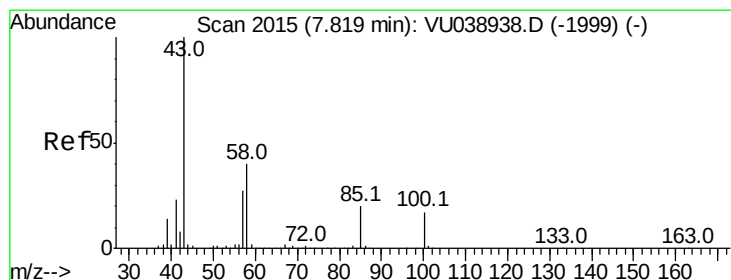
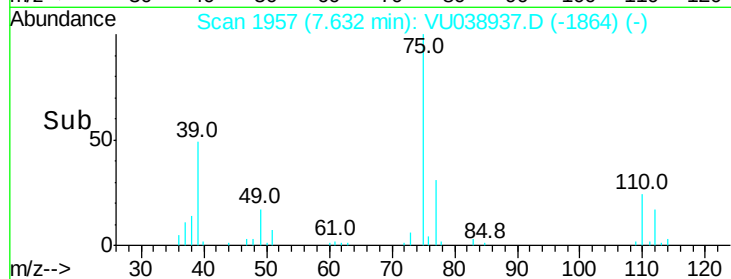
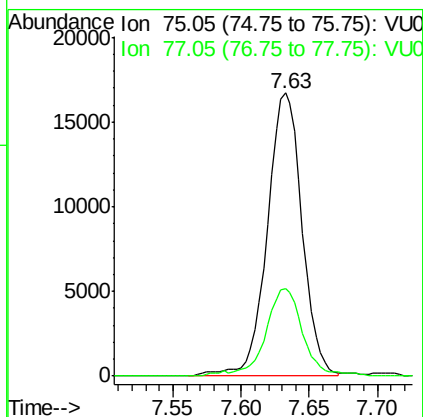
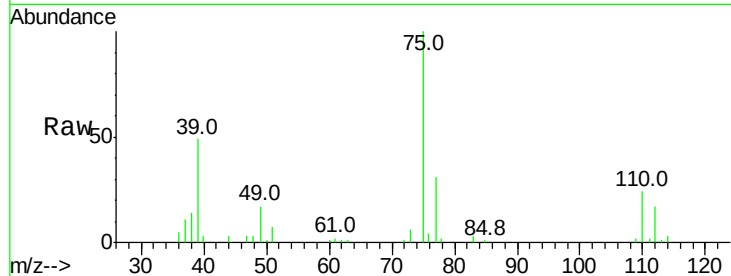




#39
 cis-1,3-Dichloroprene
 Concen: 0.996 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. -0.00 min
 Lab File: VU038937.D
 Acq: 17 Jun 2020 11:28

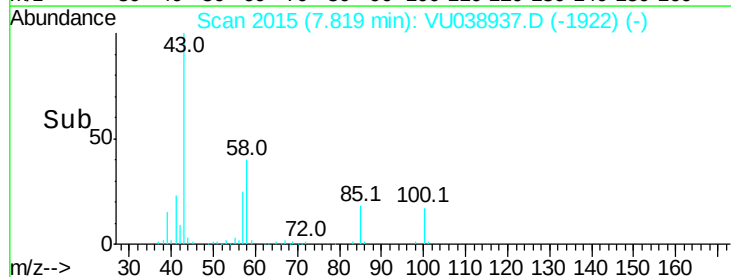
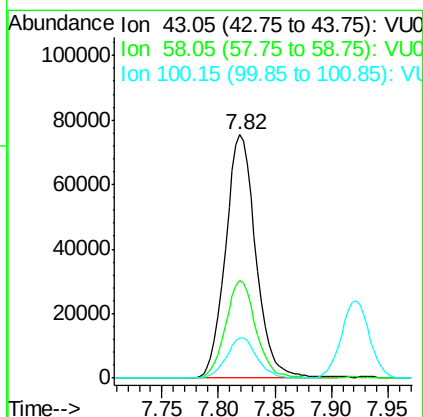
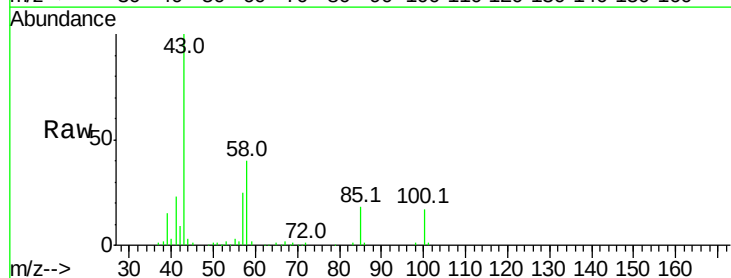
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00105

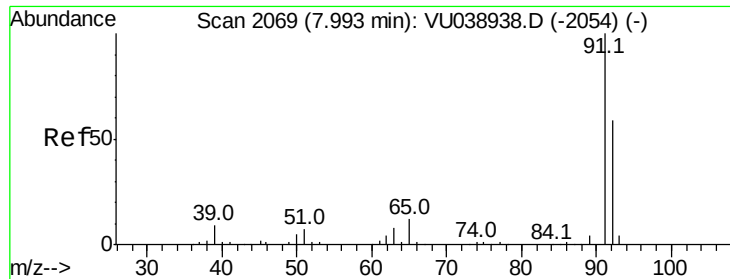
Tgt Ion: 75 Resp: 29579
 Ion Ratio Lower Upper
 75 100
 77 31.1 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 9.940 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. -0.00 min
 Lab File: VU038937.D
 Acq: 17 Jun 2020 11:28

Tgt Ion: 43 Resp: 140730
 Ion Ratio Lower Upper
 43 100
 58 40.1 32.6 49.0
 100 16.7 13.4 20.2





#42

Toluene

Concen: 0.983 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU038937.D

Acq: 17 Jun 2020 11:28

Instrument :

MSVOA_U

ClientSampleId :

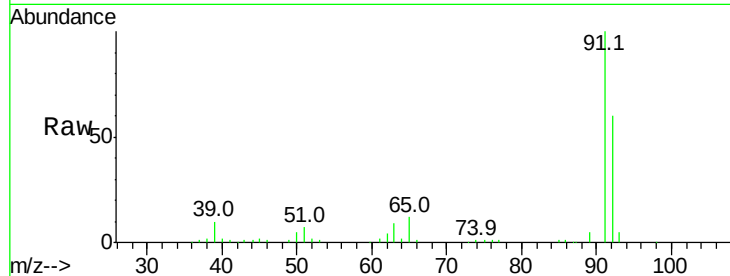
VSTD00105

Tgt Ion: 91 Resp: 83359

Ion Ratio Lower Upper

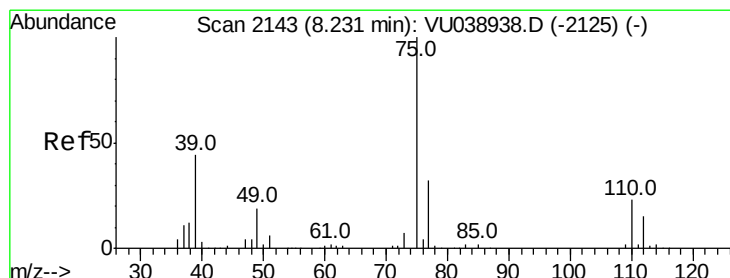
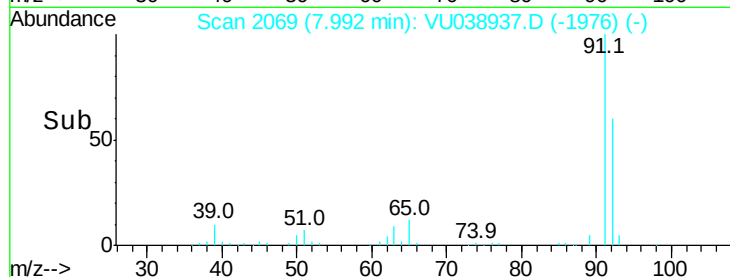
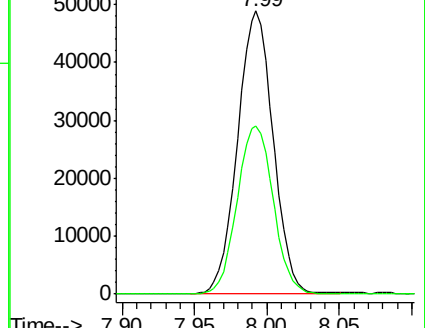
91 100

92 59.6 41.6 77.2



Abundance Ion 91.15 (90.85 to 91.85): VU038938.D (-2054) (-)

Ion 92.15 (91.85 to 92.85): VU038938.D (-2054) (-)



#44

trans-1,3-Dichloropropene

Concen: 1.030 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU038937.D

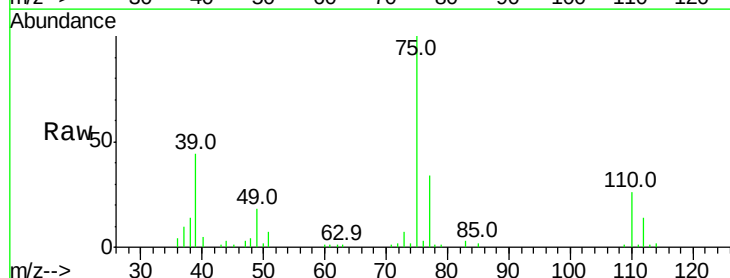
Acq: 17 Jun 2020 11:28

Tgt Ion: 75 Resp: 27974

Ion Ratio Lower Upper

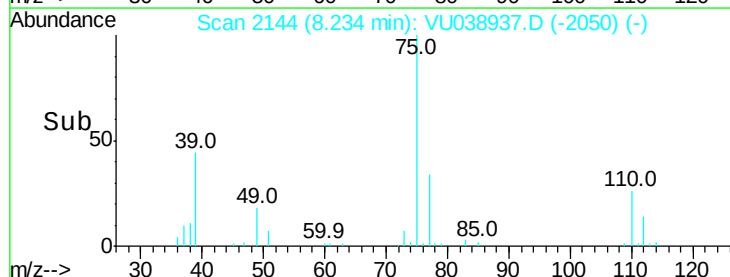
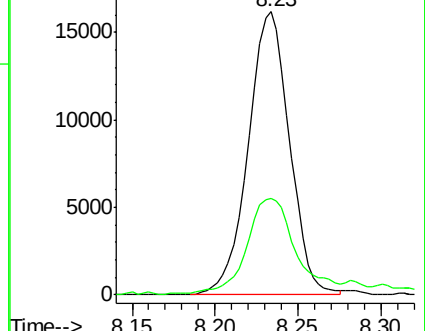
75 100

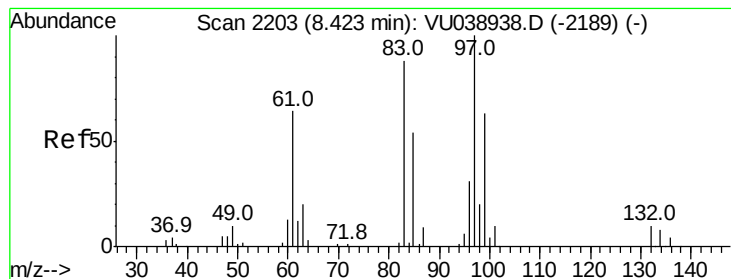
77 34.0 22.5 41.7



Abundance Ion 75.05 (74.75 to 75.75): VU038938.D (-2125) (-)

Ion 77.05 (76.75 to 77.75): VU038938.D (-2125) (-)





#45

1,1,2-Trichloroethane

Concen: 1.002 ug/L

RT: 8.42 min Scan# 2203

Delta R.T. -0.00 min

Lab File: VU038937.D

Acq: 17 Jun 2020 11:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD00105

Tgt Ion: 97 Resp: 15900

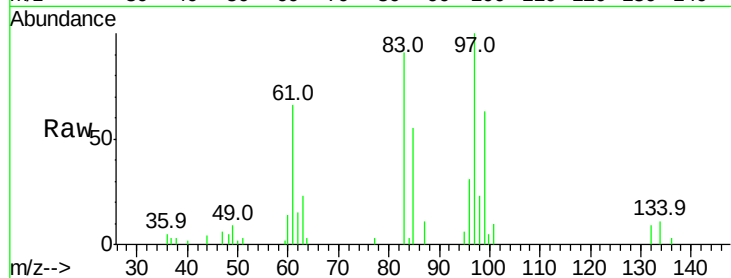
Ion Ratio Lower Upper

97 100

99 63.0 44.1 81.9

83 91.1 61.2 113.8

85 55.4 37.7 70.1

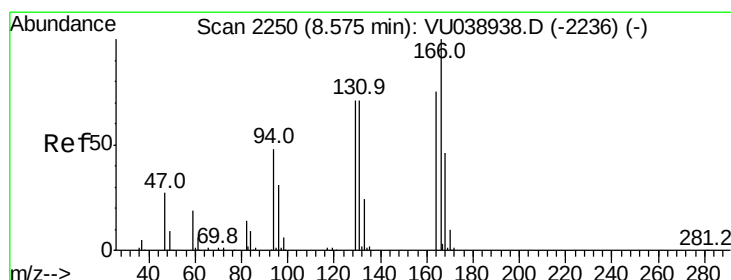
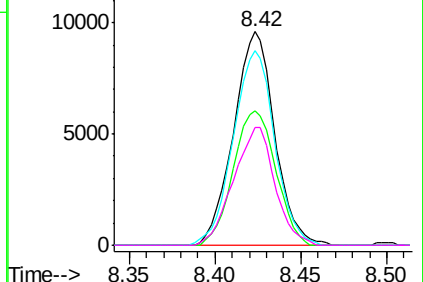
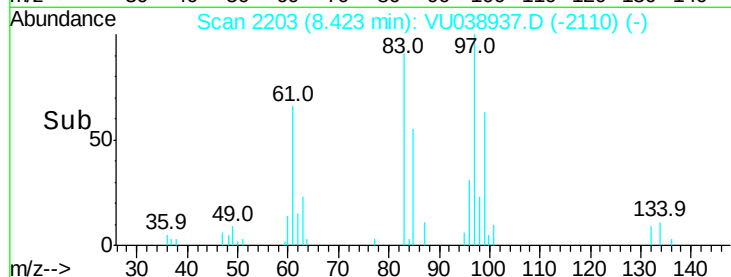


Abundance Ion 96.95 (96.65 to 97.65): VU038937.D (-2110) (-)

Ion 99.05 (98.75 to 99.75): VU038937.D (-2110) (-)

Ion 82.95 (82.65 to 83.65): VU038937.D (-2110) (-)

Ion 85.00 (84.70 to 85.70): VU038937.D (-2110) (-)



#47

Tetrachloroethene

Concen: 1.023 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU038937.D

Acq: 17 Jun 2020 11:28

Tgt Ion: 164 Resp: 16462

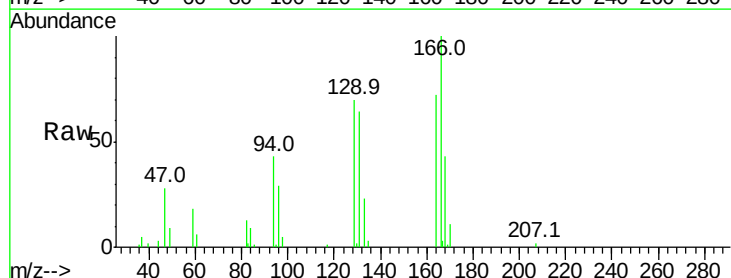
Ion Ratio Lower Upper

164 100

129 96.3 66.1 122.8

131 89.0 65.7 122.1

166 138.3 93.0 172.8

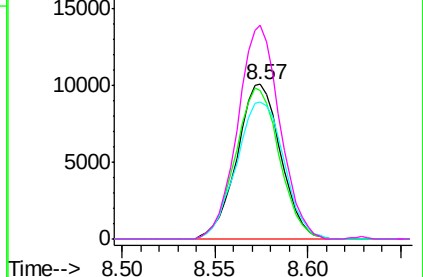
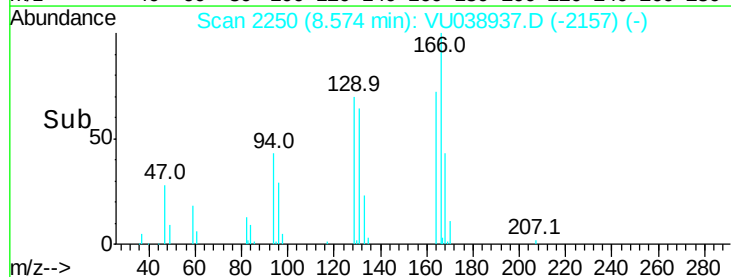


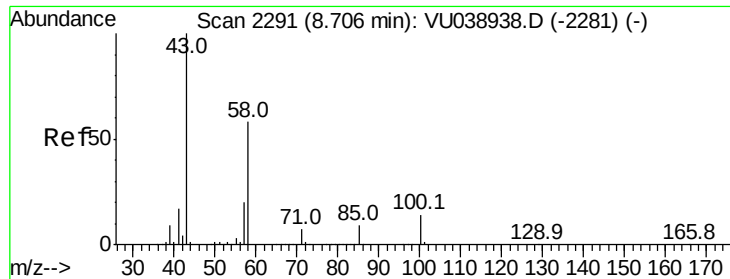
Abundance Ion 163.90 (163.60 to 164.60): VU038937.D (-2157) (-)

Ion 128.95 (128.65 to 129.65): VU038937.D (-2157) (-)

Ion 130.95 (130.65 to 131.65): VU038937.D (-2157) (-)

Ion 165.90 (165.60 to 166.60): VU038937.D (-2157) (-)

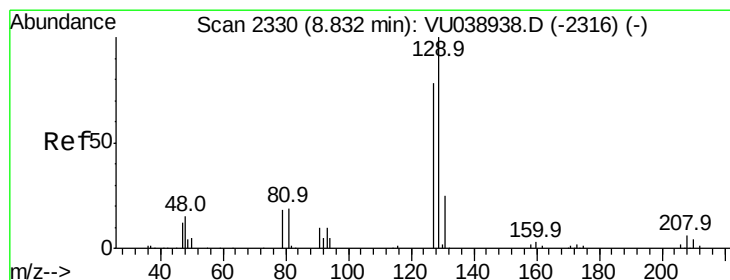
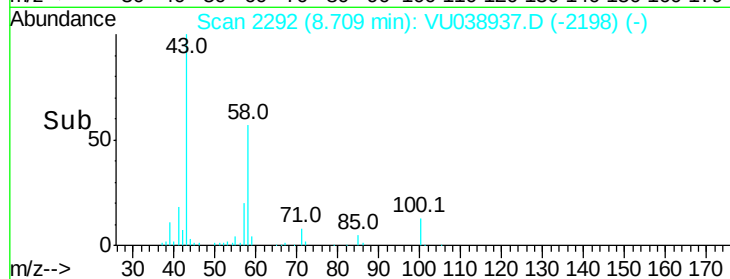
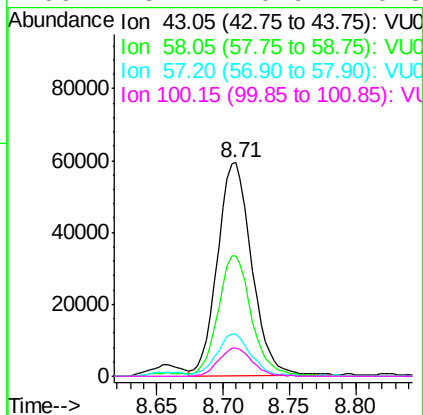
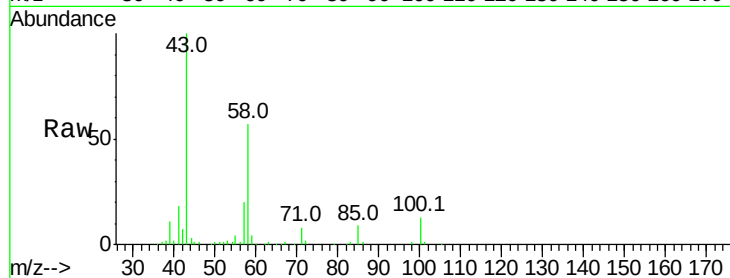




#48
2-Hexanone
Concen: 9.454 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU038937.D
Acq: 17 Jun 2020 11:28

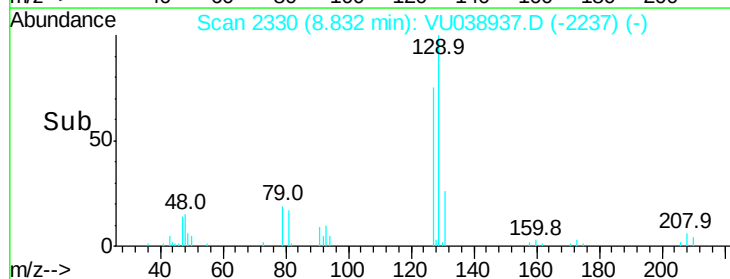
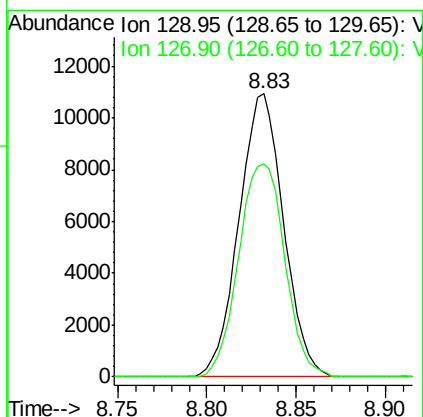
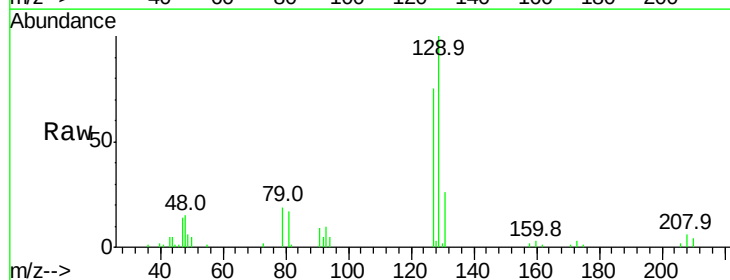
Instrument :
MSVOA_U
ClientSampleId :
VSTD00105

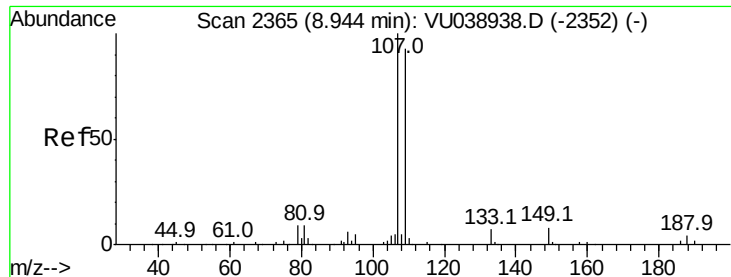
Tgt Ion:	43	Resp:	106103
Ion	Ratio	Lower	Upper
43	100		
58	55.0	45.2	67.8
57	19.5	16.1	24.1
100	13.1	10.9	16.3



#49
Dibromochloromethane
Concen: 1.035 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU038937.D
Acq: 17 Jun 2020 11:28

Tgt Ion:	129	Resp:	19052
Ion	Ratio	Lower	Upper
129	100		
127	75.4	54.9	101.9

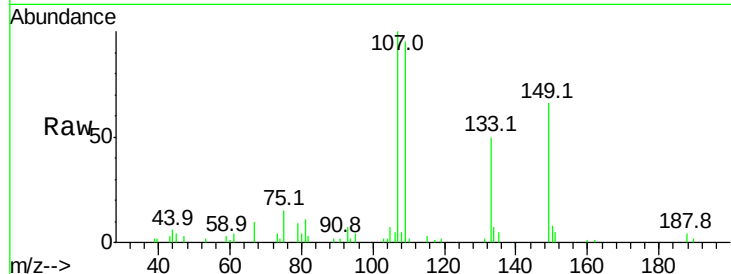




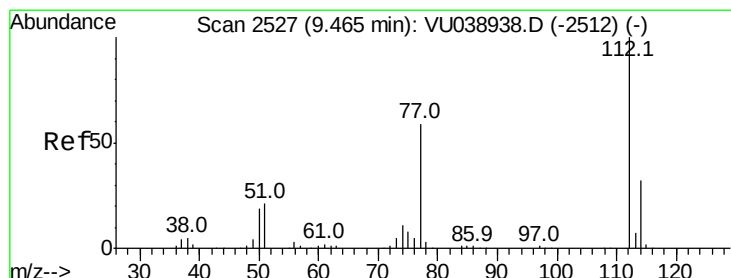
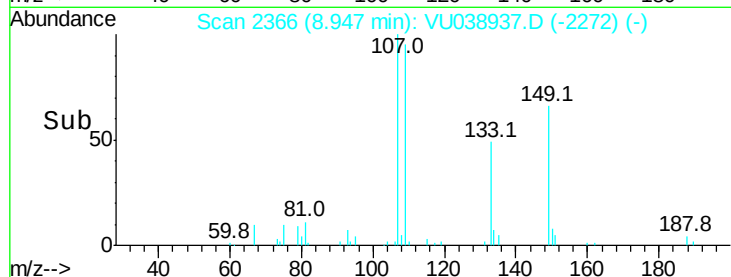
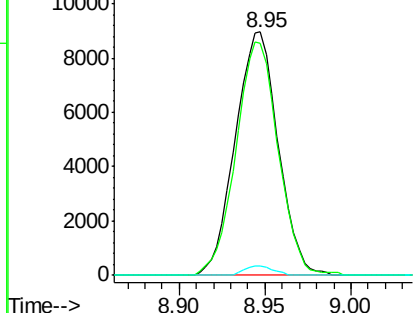
#50
 1,2-Dibromoethane
 Concen: 1.006 ug/L
 RT: 8.95 min Scan# 2366
 Delta R.T. 0.00 min
 Lab File: VU038937.D
 Acq: 17 Jun 2020 11:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00105

Tgt Ion:107 Resp: 15471
 Ion Ratio Lower Upper
 107 100
 109 95.1 64.8 120.4
 188 3.8 3.0 4.6

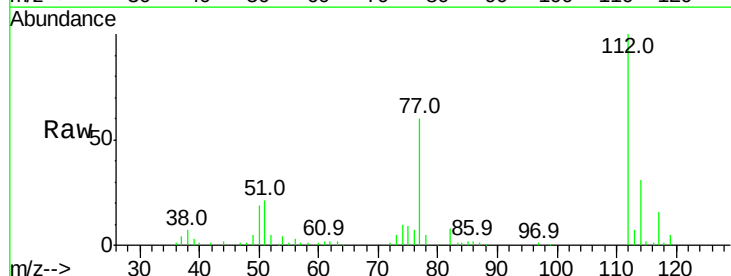


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

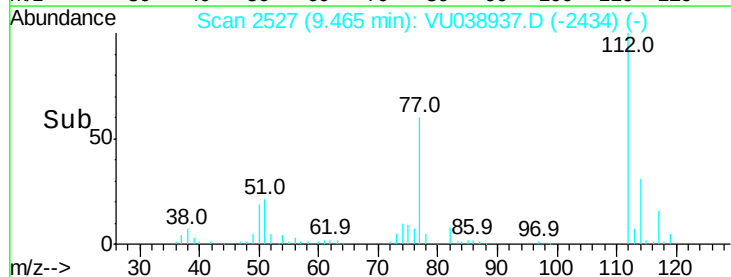
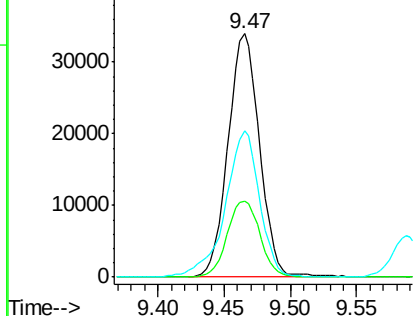


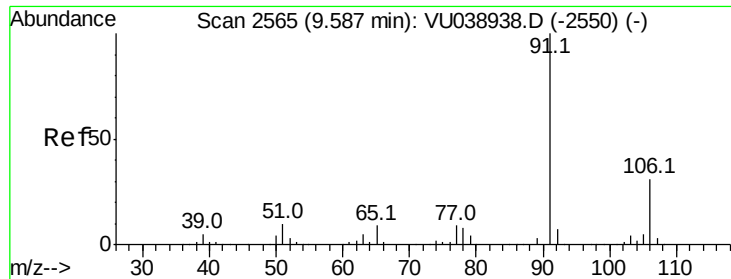
#51
 Chlorobenzene
 Concen: 1.018 ug/L
 RT: 9.47 min Scan# 2527
 Delta R.T. -0.00 min
 Lab File: VU038937.D
 Acq: 17 Jun 2020 11:28

Tgt Ion:112 Resp: 56151
 Ion Ratio Lower Upper
 112 100
 114 31.3 22.5 41.7
 77 60.1 47.2 70.8



Abundance Ion 112.10 (111.80 to 112.80): V
 Ion 114.05 (113.75 to 114.75): V
 Ion 77.10 (76.80 to 77.80): V

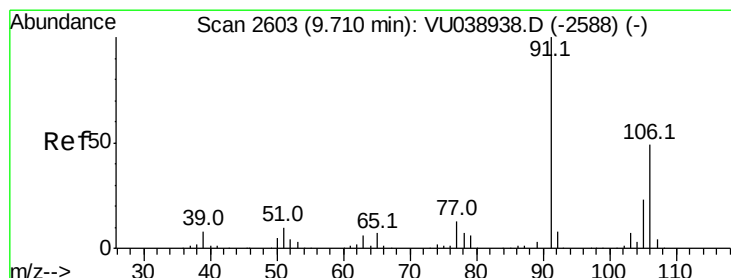
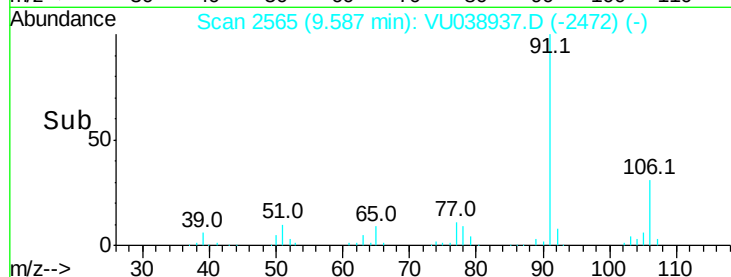
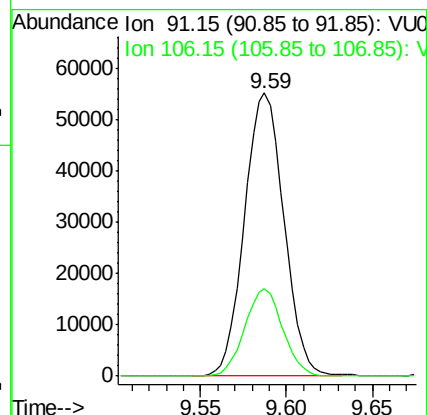
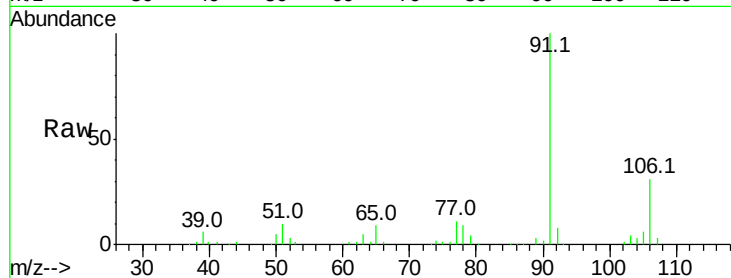




#52
Ethylbenzene
Concen: 0.931 ug/L
RT: 9.59 min Scan# 2565
Delta R.T. -0.00 min
Lab File: VU038937.D
Acq: 17 Jun 2020 11:28

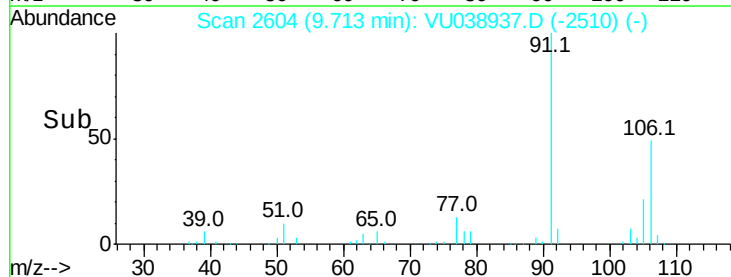
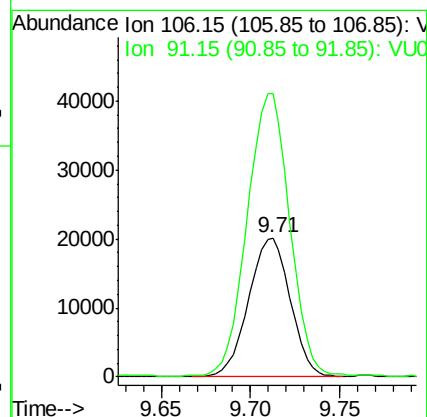
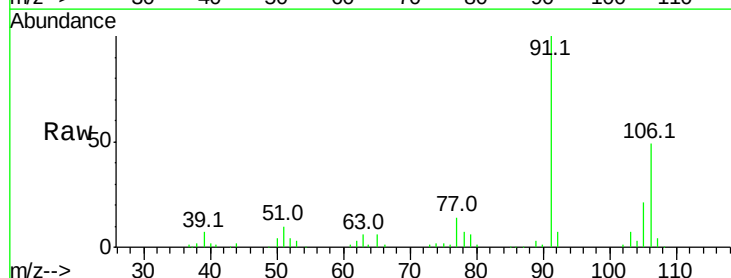
Instrument :
MSVOA_U
ClientSampleId :
VSTD00105

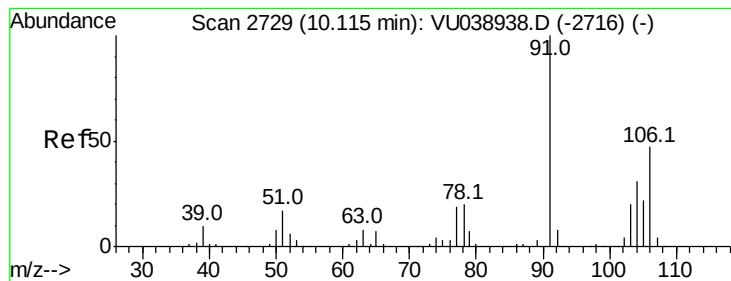
Tgt Ion: 91 Resp: 87798
Ion Ratio Lower Upper
91 100
106 30.9 21.5 39.9



#53
m,p-Xylene
Concen: 0.930 ug/L
RT: 9.71 min Scan# 2604
Delta R.T. 0.00 min
Lab File: VU038937.D
Acq: 17 Jun 2020 11:28

Tgt Ion: 106 Resp: 32980
Ion Ratio Lower Upper
106 100
91 203.8 143.0 265.6





#54

o-Xylene

Concen: 0.931 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VU038937.D

Acq: 17 Jun 2020 11:28

Instrument :

MSVOA_U

ClientSampleId :

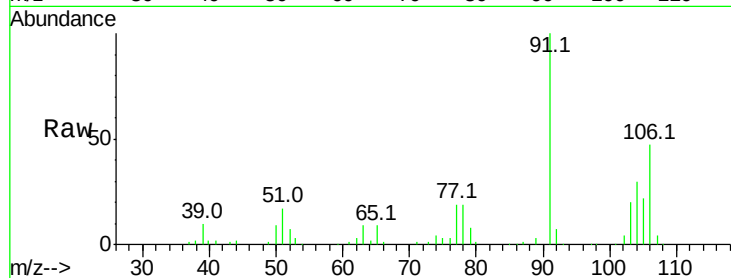
VSTD00105

Tgt Ion:106 Resp: 31748

Ion Ratio Lower Upper

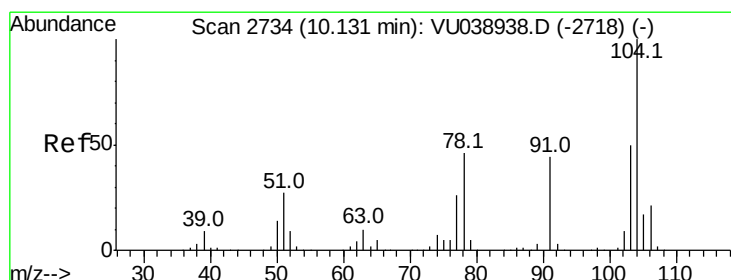
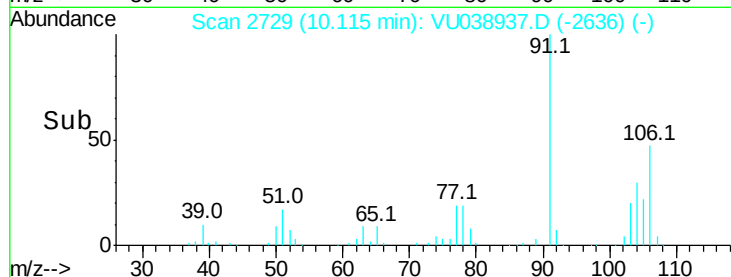
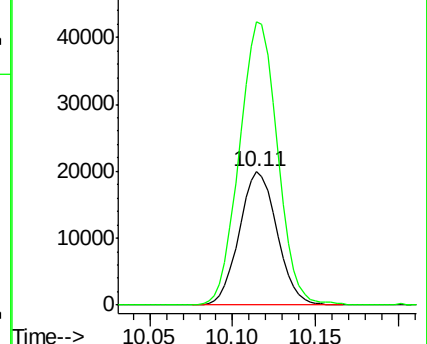
106 100

91 212.6 148.4 275.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 0.905 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VU038937.D

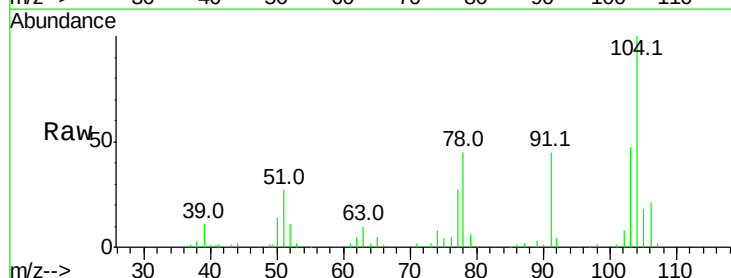
Acq: 17 Jun 2020 11:28

Tgt Ion:104 Resp: 53633

Ion Ratio Lower Upper

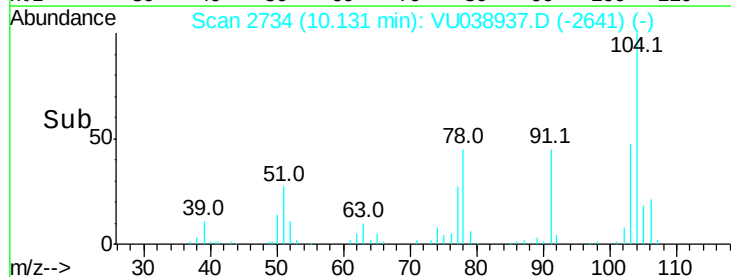
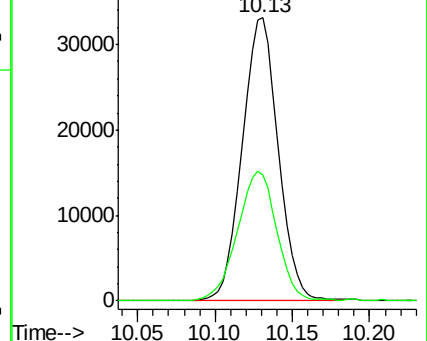
104 100

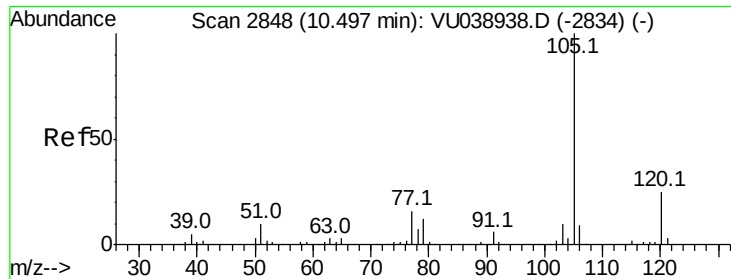
78 44.6 32.0 59.4



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 0.962 ug/L

RT: 10.50 min Scan# 2848

Delta R.T. -0.00 min

Lab File: VU038937.D

Acq: 17 Jun 2020 11:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD00105

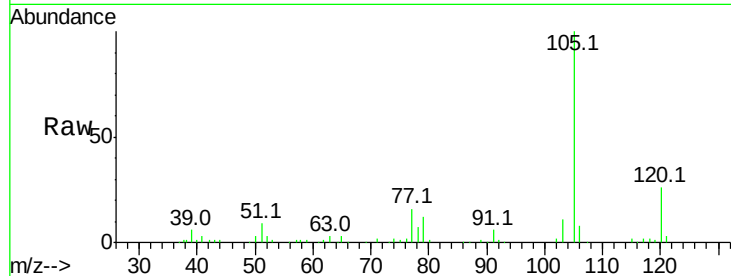
Tgt Ion:105 Resp: 85235

Ion Ratio Lower Upper

105 100

120 26.6 20.4 30.6

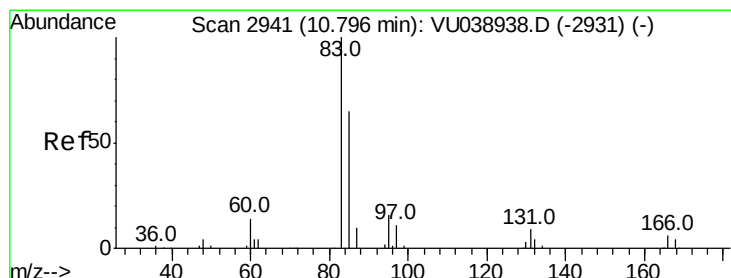
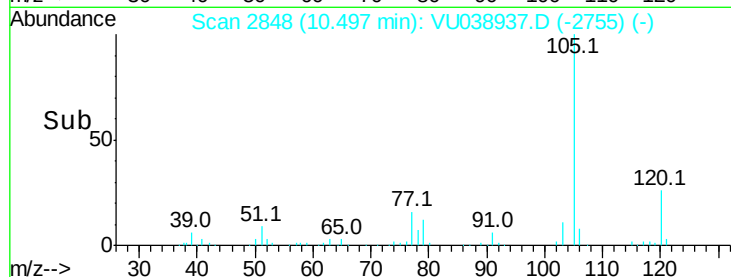
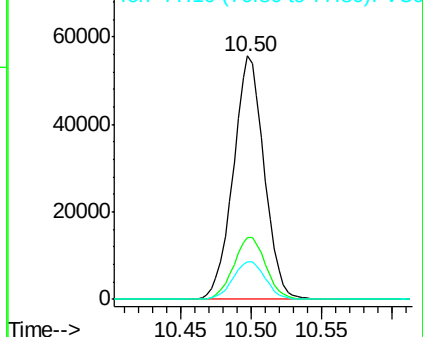
77 16.4 13.0 19.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 1.059 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. -0.00 min

Lab File: VU038937.D

Acq: 17 Jun 2020 11:28

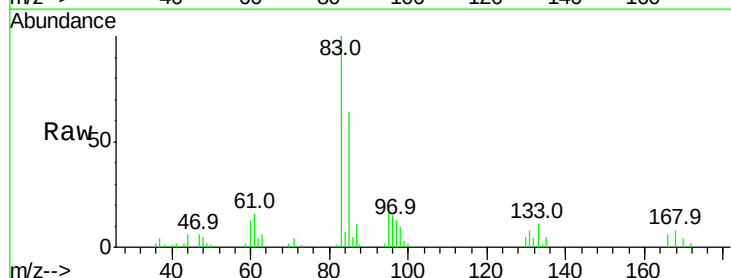
Tgt Ion: 83 Resp: 21540

Ion Ratio Lower Upper

83 100

85 64.3 45.4 84.4

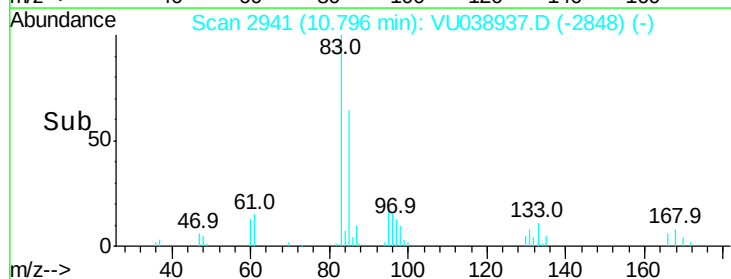
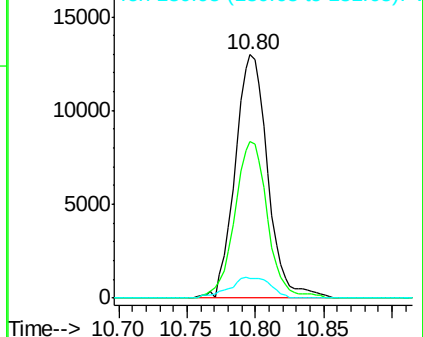
131 8.2 8.2 12.4#

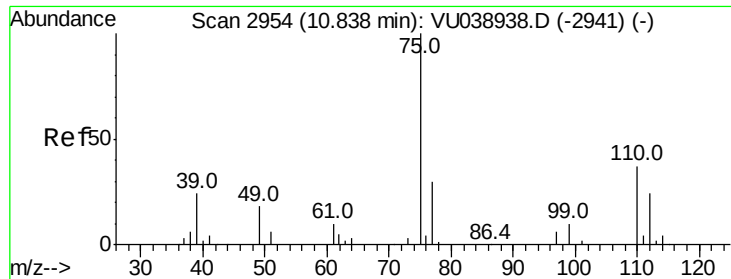


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.998 ug/L

RT: 10.84 min Scan# 2954

Delta R.T. -0.00 min

Lab File: VU038937.D

Acq: 17 Jun 2020 11:28

Instrument :

MSVOA_U

ClientSampleId :

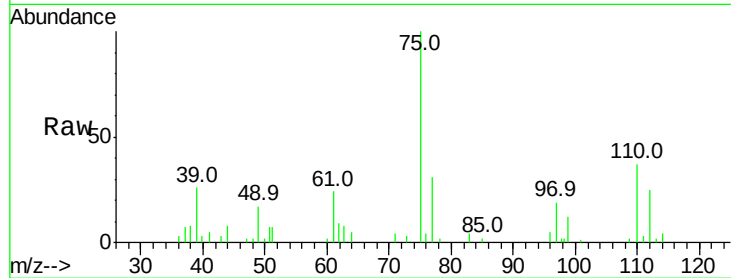
VSTD00105

Tgt Ion: 75 Resp: 15959

Ion Ratio Lower Upper

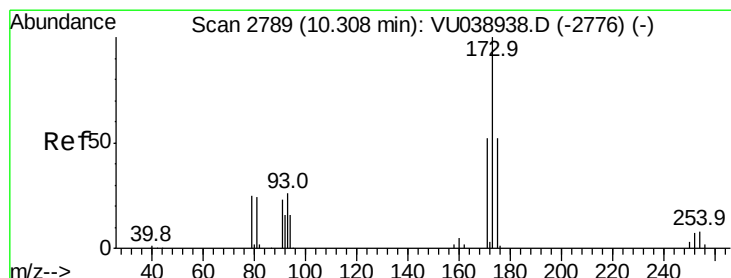
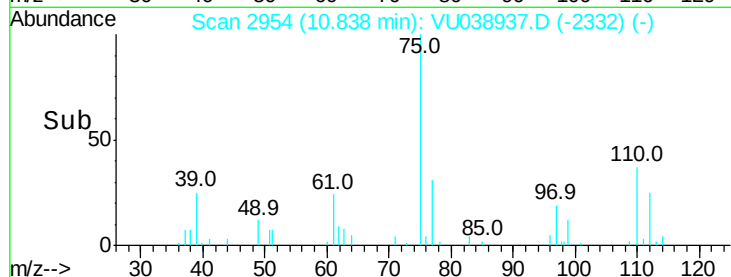
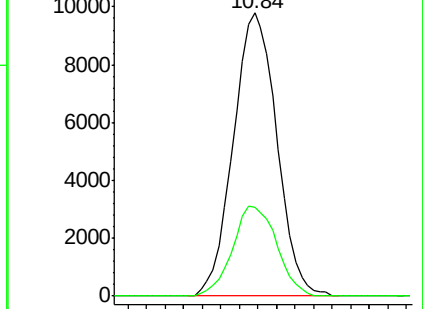
75 100

77 32.3 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VU038937.D (-2332) (-)

Ion 77.00 (76.70 to 77.70): VU038937.D (-2332) (-)



#61

Bromoform

Concen: 1.031 ug/L

RT: 10.31 min Scan# 2789

Delta R.T. -0.00 min

Lab File: VU038937.D

Acq: 17 Jun 2020 11:28

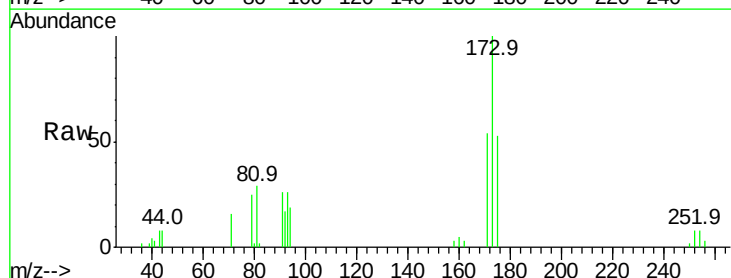
Tgt Ion: 173 Resp: 10888

Ion Ratio Lower Upper

173 100

175 48.4 39.2 58.8

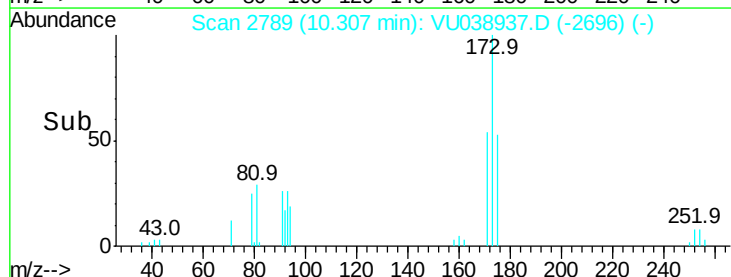
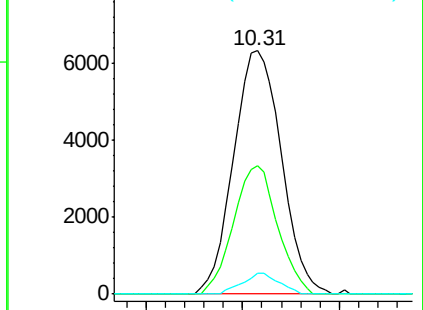
254 6.5 6.1 9.1

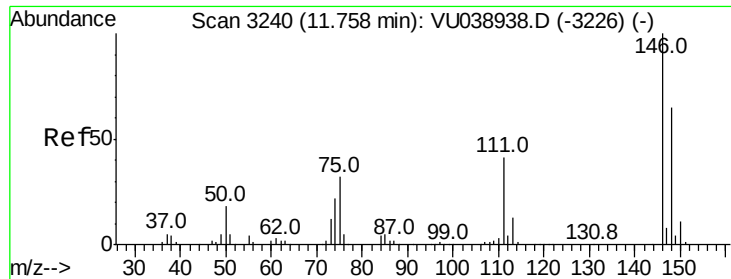


Abundance Ion 172.90 (172.60 to 173.60): VU038937.D (-2696) (-)

Ion 174.90 (174.60 to 175.60): VU038937.D (-2696) (-)

Ion 253.75 (253.45 to 254.45): VU038937.D (-2696) (-)

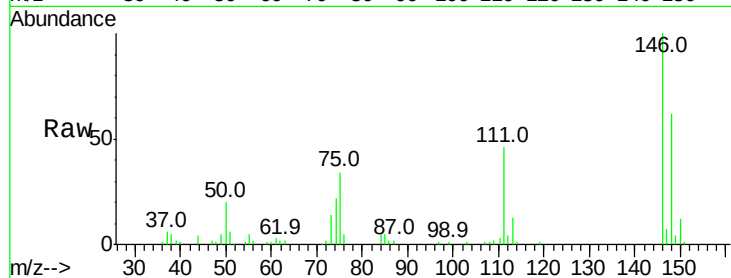




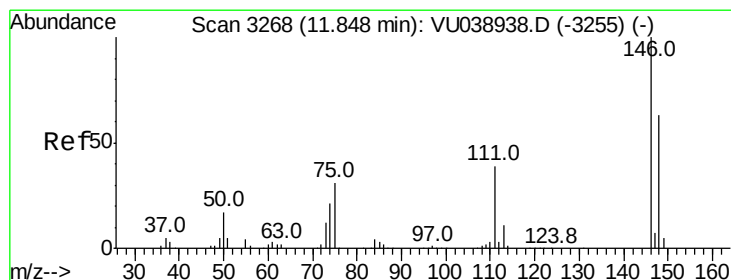
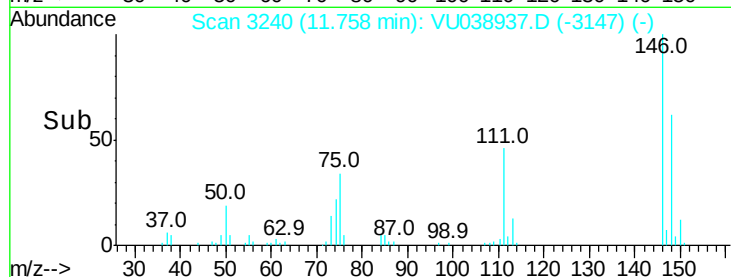
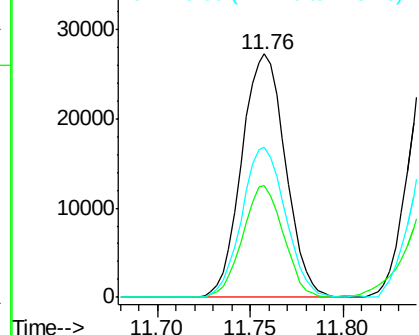
#62
 1,3-Dichlorobenzene
 Concen: 1.021 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. -0.00 min
 Lab File: VU038937.D
 Acq: 17 Jun 2020 11:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00105

Tgt Ion:146 Resp: 44600
 Ion Ratio Lower Upper
 146 100
 111 46.0 29.0 53.8
 148 61.6 45.1 83.9

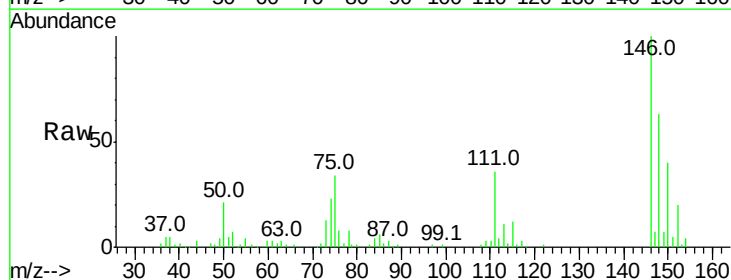


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

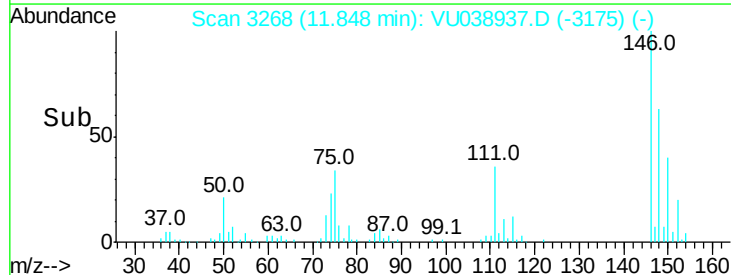
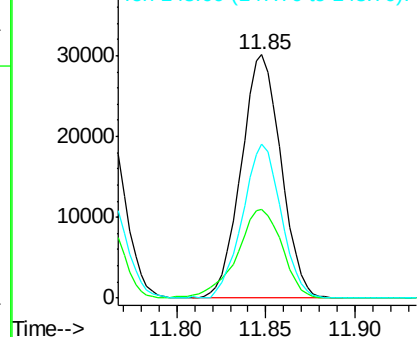


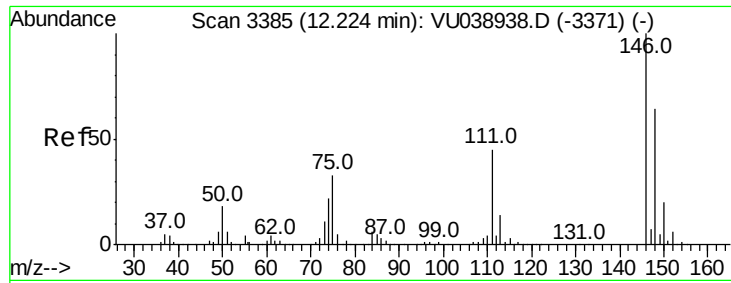
#63
 1,4-Dichlorobenzene
 Concen: 1.056 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. -0.00 min
 Lab File: VU038937.D
 Acq: 17 Jun 2020 11:28

Tgt Ion:146 Resp: 46763
 Ion Ratio Lower Upper
 146 100
 111 36.4 27.2 50.6
 148 63.4 44.0 81.6



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

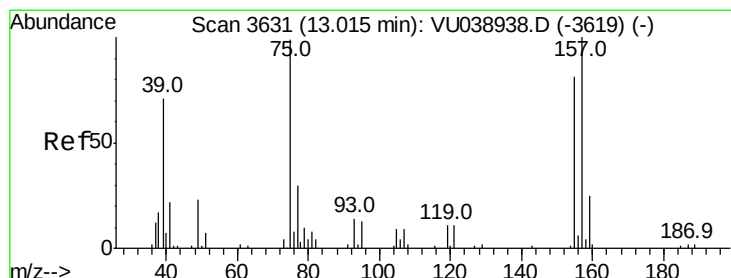
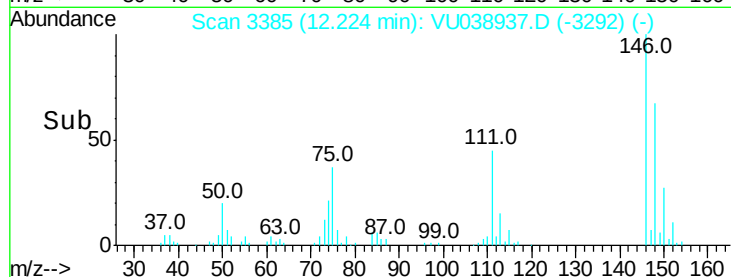
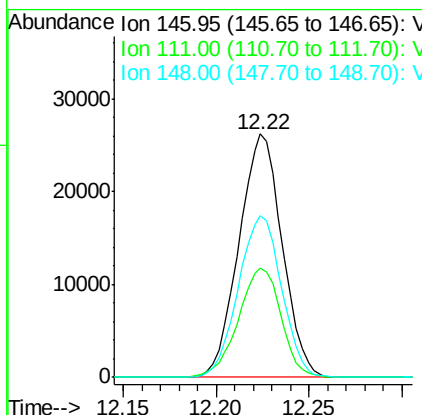
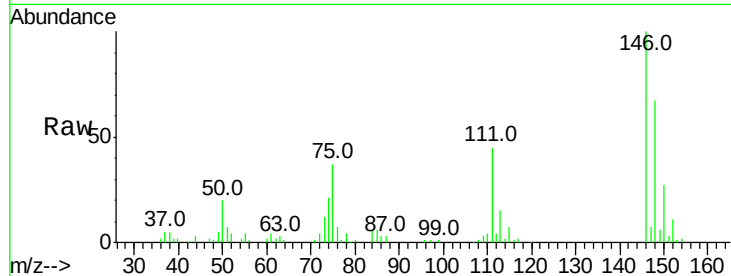




#65
 1,2-Dichlorobenzene
 Concen: 0.974 ug/L
 RT: 12.22 min Scan# 3385
 Delta R.T. -0.00 min
 Lab File: VU038937.D
 Acq: 17 Jun 2020 11:28

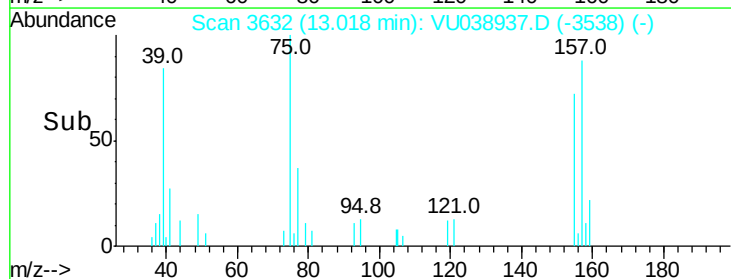
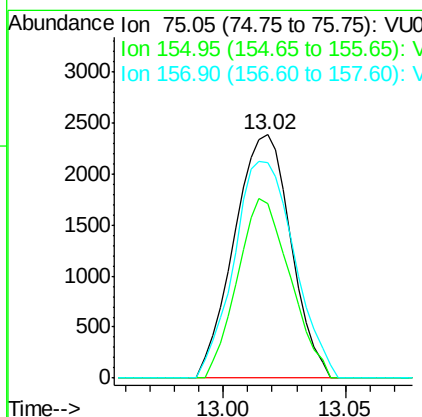
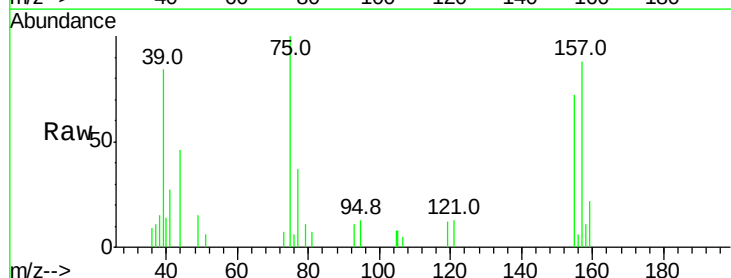
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00105

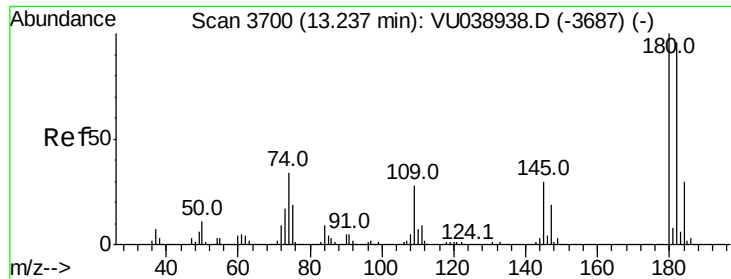
Tgt Ion:146 Resp: 42278
 Ion Ratio Lower Upper
 146 100
 111 44.8 35.7 53.5
 148 66.6 51.6 77.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.999 ug/L
 RT: 13.02 min Scan# 3632
 Delta R.T. 0.00 min
 Lab File: VU038937.D
 Acq: 17 Jun 2020 11:28

Tgt Ion: 75 Resp: 3842
 Ion Ratio Lower Upper
 75 100
 155 71.9 65.4 98.2
 157 88.3 80.6 120.8

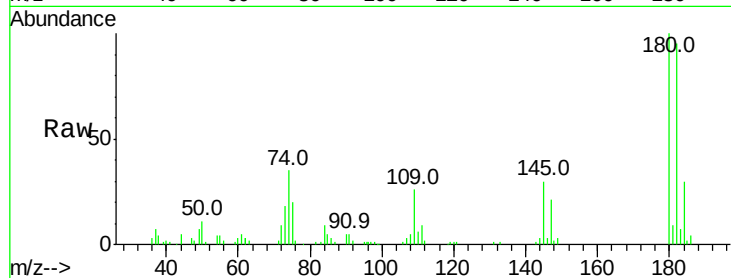




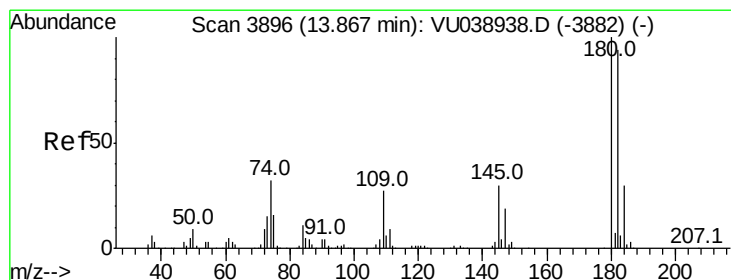
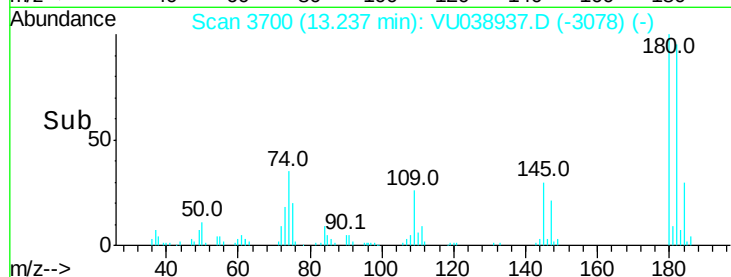
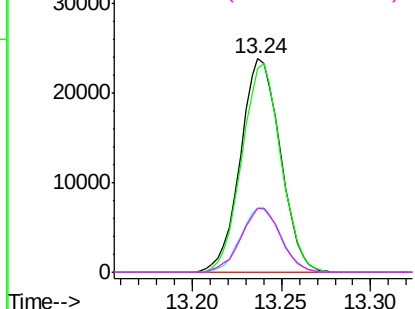
#67
 1,3,5-Trichlorobenzene
 Concen: 1.127 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. -0.00 min
 Lab File: VU038937.D
 Acq: 17 Jun 2020 11:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00105

Tgt Ion:180 Resp: 37107
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.3 114.5
 184 30.1 24.0 36.0
 145 30.0 24.6 36.8

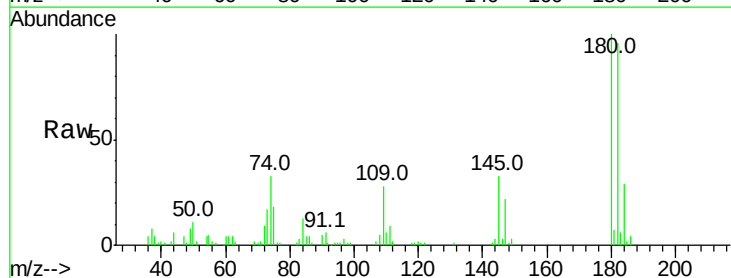


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

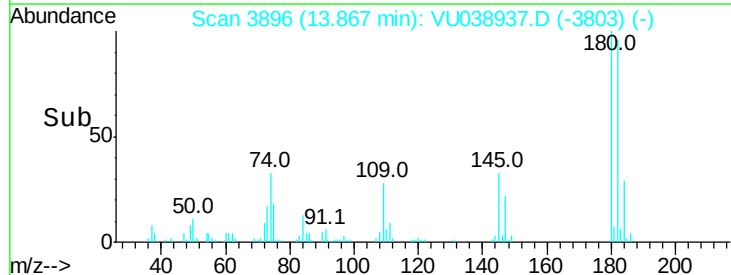
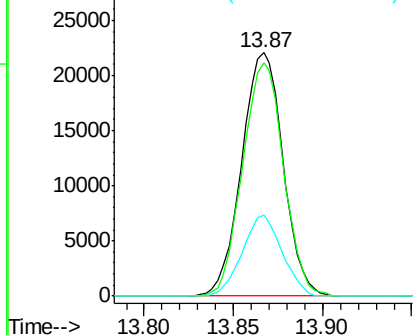


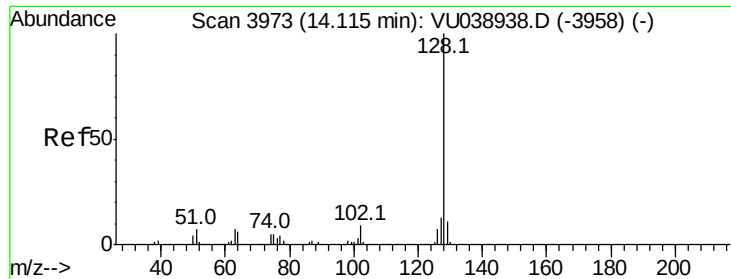
#68
 1,2,4-trichlorobenzene
 Concen: 1.296 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. -0.00 min
 Lab File: VU038937.D
 Acq: 17 Jun 2020 11:28

Tgt Ion:180 Resp: 35754
 Ion Ratio Lower Upper
 180 100
 182 94.6 75.4 113.2
 145 31.7 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: 1.213 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.00 min

Lab File: VU038937.D

Acq: 17 Jun 2020 11:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD00105

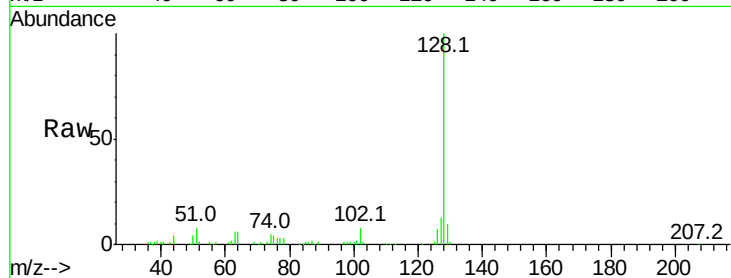
Tgt Ion:128 Resp: 62893

Ion Ratio Lower Upper

128 100

129 10.1 8.6 12.8

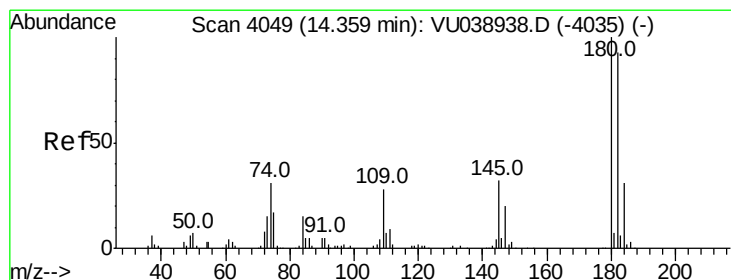
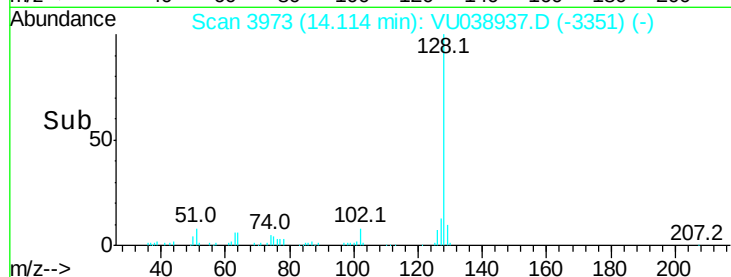
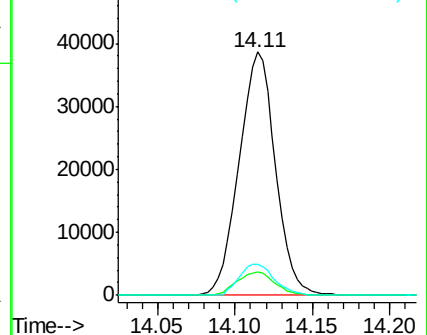
127 12.4 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 1.182 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. -0.00 min

Lab File: VU038937.D

Acq: 17 Jun 2020 11:28

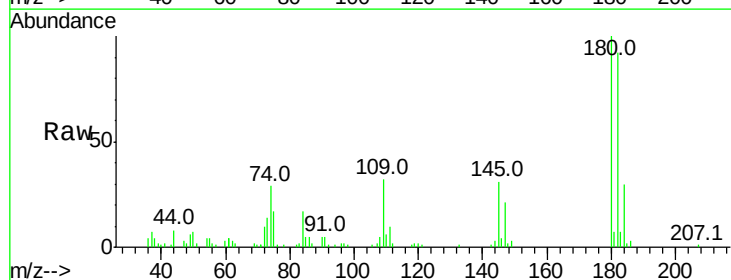
Tgt Ion:180 Resp: 30514

Ion Ratio Lower Upper

180 100

182 94.5 75.5 113.3

145 32.2 27.2 40.8



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

