

Data File : VU038887.D
Acq On : 15 Jun 2020 12:35
Operator : SY/MD
Sample : VSTD001
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00104

Quant Time: Jun 15 13:42:07 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR061520WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Jun 15 13:39:45 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	303014	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	306600	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	153987	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	15564	0.94	ug/L	0.00
7) Chloroethane-d5	1.93	69	15818	1.19	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	37895	1.01	ug/L	0.00
20) 2-Butanone-d5	4.69	46	53901	10.40	ug/L	0.00
24) Chloroform-d	5.10	84	37519	1.03	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	22598	1.09	ug/L	0.00
32) Benzene-d6	5.76	84	71024	0.99	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	20890	0.97	ug/L	0.00
41) Toluene-d8	7.92	98	61405	0.93	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	8827	0.93	ug/L	0.00
46) 2-Hexanone-d5	8.66	63	42235	9.99	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	21534	1.15	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.20	152	28661	1.14	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	31296	1.060 ug/L	100
3) Chloromethane	1.53	50	24423	1.003 ug/L	99
5) Vinyl chloride	1.62	62	26454	1.023 ug/L	96
6) Bromomethane	1.87	94	15106	1.018 ug/L	100
8) Chloroethane	1.95	64	19100	1.195 ug/L	94
9) Trichlorofluoromethane	2.16	101	46613	1.214 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	22860	1.041 ug/L	97
12) 1,1-Dichloroethene	2.60	96	22252	1.049 ug/L	97
13) Acetone	2.69	43	41812	9.943 ug/L	79
14) Carbon disulfide	2.82	76	71634	0.992 ug/L	100
15) Methyl Acetate	3.00	43	10965	1.067 ug/L #	87
16) Methylene chloride	3.08	84	24714	1.013 ug/L	95
17) Methyl tert-butyl Ether	3.40	73	49333	0.902 ug/L	98
18) trans-1,2-Dichloroethene	3.39	96	22492	0.987 ug/L	96
19) 1,1-Dichloroethane	3.91	63	41111	1.002 ug/L	98
21) 2-Butanone	4.76	43	66477	9.624 ug/L	98
22) cis-1,2-Dichloroethene	4.71	96	23418	0.987 ug/L	98
23) Bromochloromethane	5.01	128	11139	1.001 ug/L	97
25) Chloroform	5.12	83	43053	1.018 ug/L	99
27) 1,2-Dichloroethane	5.83	62	31191	1.058 ug/L	98
29) 1,1,1-Trichloroethane	5.35	97	37884	1.001 ug/L	99
30) Cyclohexane	5.42	56	33042	0.901 ug/L	98
31) Carbon tetrachloride	5.56	117	32732	1.025 ug/L	99
33) Benzene	5.81	78	89164	0.962 ug/L	100
34) Trichloroethene	6.57	95	23997	0.992 ug/L	93
35) Methylcyclohexane	6.79	83	34125	0.907 ug/L	99
37) 1,2-Dichloropropane	6.82	63	22662	0.971 ug/L	98
38) Bromodichloromethane	7.13	83	30317	1.001 ug/L	98
39) cis-1,3-Dichloropropene	7.63	75	31154	0.901 ug/L	97
40) 4-Methyl-2-pentanone	7.82	43	145964	9.345 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.99	91	90107	0.921	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	27879	0.905	ug/L	98
45) 1,1,2-Trichloroethane	8.42	97	17369	0.976	ug/L	93
47) Tetrachloroethene	8.57	164	17730	0.952	ug/L	95
48) 2-Hexanone	8.71	43	108659	9.056	ug/L	98
49) Dibromochloromethane	8.83	129	19847	0.999	ug/L	86
50) 1,2-Dibromoethane	8.94	107	16326	0.940	ug/L	94
51) Chlorobenzene	9.47	112	59914	0.951	ug/L	97
52) Ethylbenzene	9.59	91	105225	0.977	ug/L	96
53) m,p-Xylene	9.71	106	35513	0.872	ug/L	98
54) o-Xylene	10.11	106	33830	0.865	ug/L	99
55) Styrene	10.13	104	57137	0.849	ug/L	99
56) Isopropylbenzene	10.50	105	93213	0.892	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	23755	1.073	ug/L #	96
59) 1,2,3-Trichloropropane	10.84	75	17300	0.999	ug/L	98
61) Bromoform	10.31	173	11134	1.004	ug/L	97
62) 1,3-Dichlorobenzene	11.76	146	47654	0.959	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	48228	0.951	ug/L	97
65) 1,2-Dichlorobenzene	12.22	146	50890	1.088	ug/L	96
66) 1,2-Dibromo-3-chloropropan	13.01	75	4473	1.179	ug/L	88
67) 1,3,5-Trichlorobenzene	13.24	180	37568	1.032	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	27707	0.860	ug/L	97
69) Naphthalene	14.11	128	47312	0.773	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	26026	0.883	ug/L	99

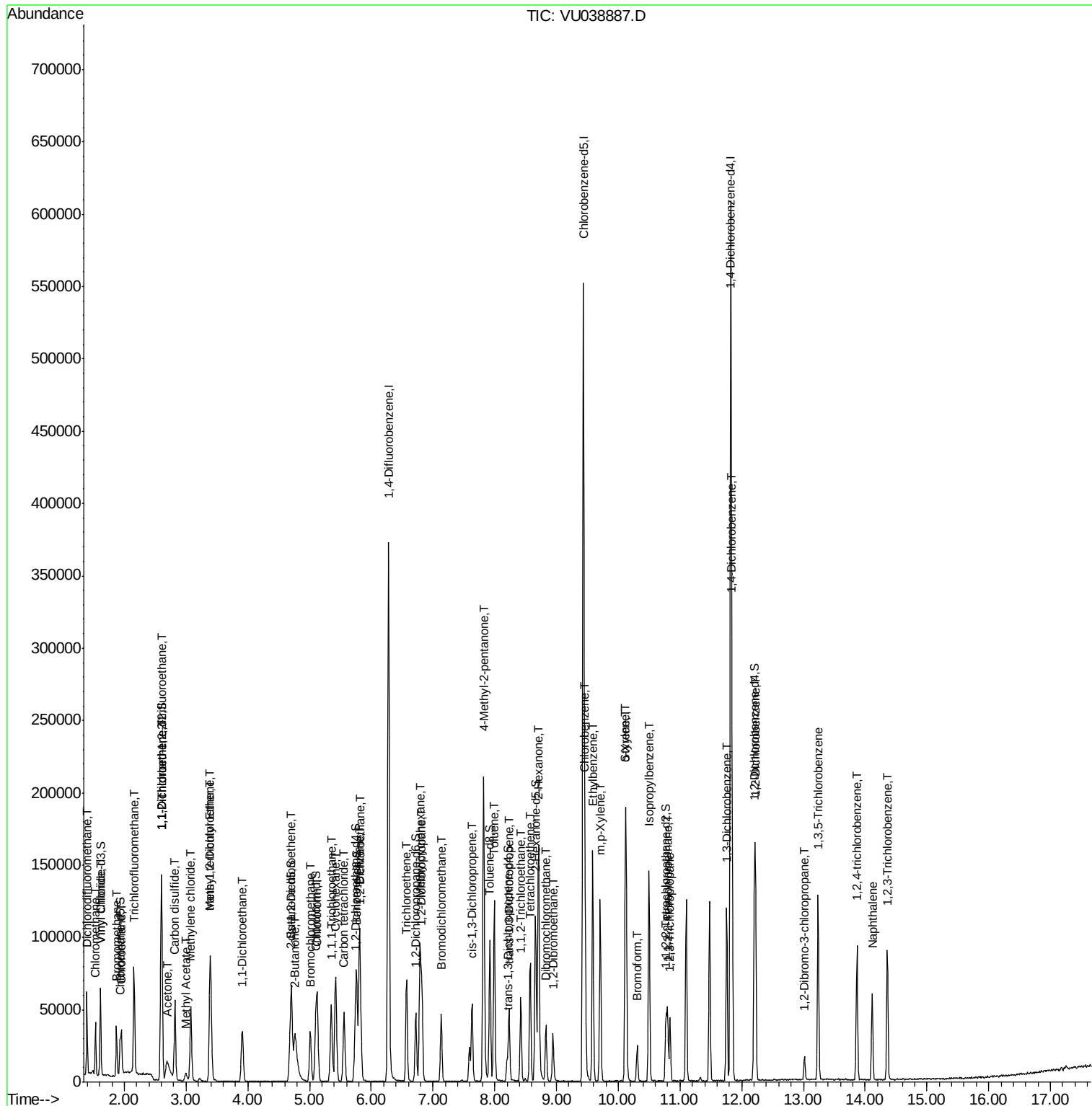
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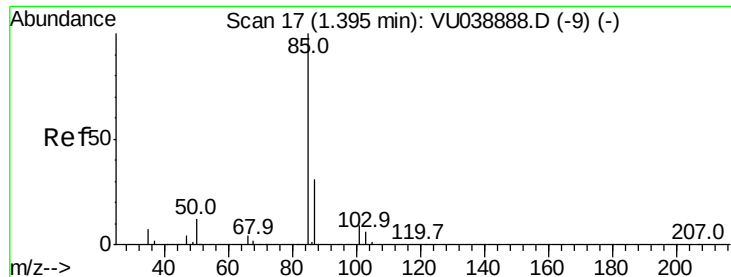
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#2

Dichlorodifluoromethane

Concen: 1.060 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

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Acq: 15 Jun 2020 12:35

Instrument :

MSVOA_U

ClientSampleId :

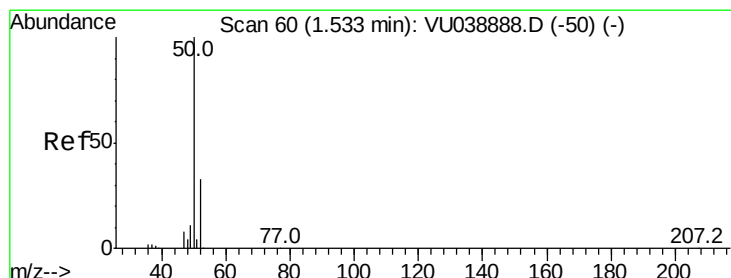
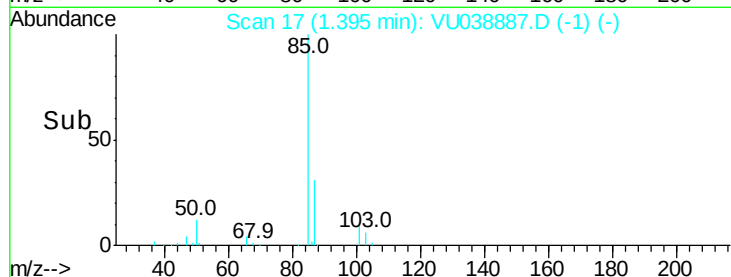
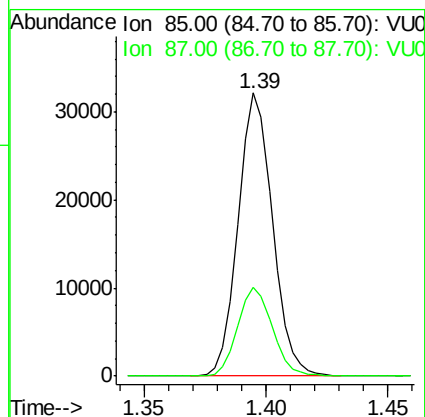
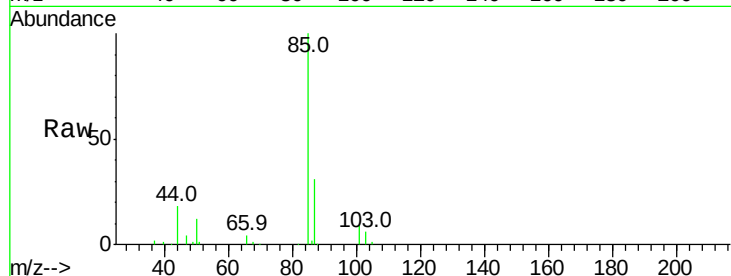
VSTD00104

Tgt Ion: 85 Resp: 31296

Ion Ratio Lower Upper

85 100

87 31.6 25.0 37.6



#3

Chloromethane

Concen: 1.003 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU038887.D

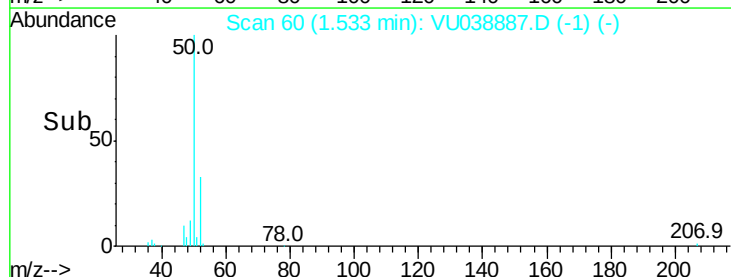
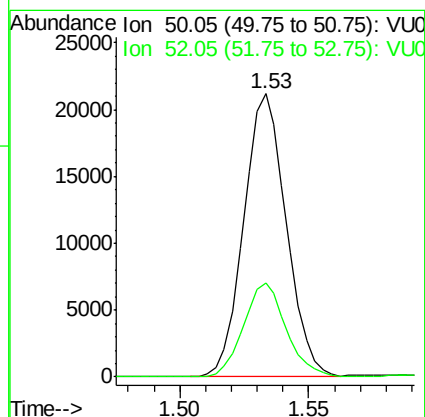
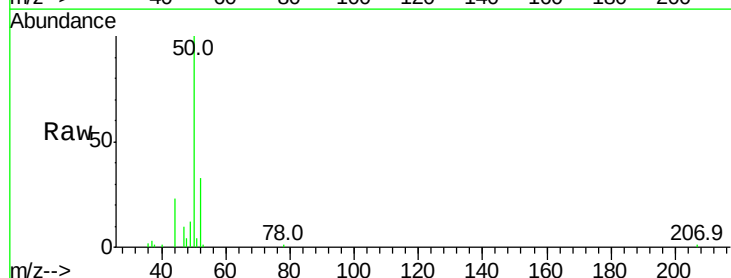
Acq: 15 Jun 2020 12:35

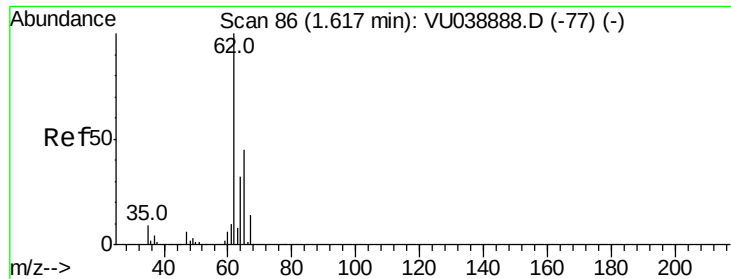
Tgt Ion: 50 Resp: 24423

Ion Ratio Lower Upper

50 100

52 33.2 23.0 42.6





#5

Vinyl chloride

Concen: 1.023 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU038887.D

Acq: 15 Jun 2020 12:35

Instrument :

MSVOA_U

ClientSampleId :

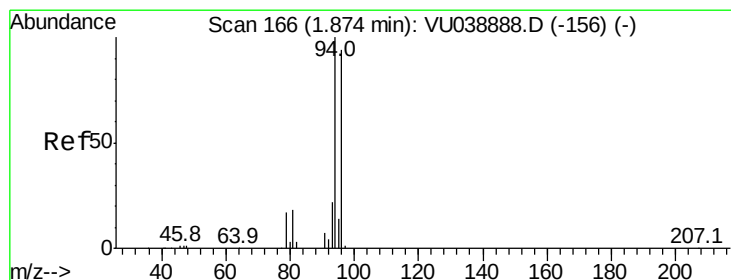
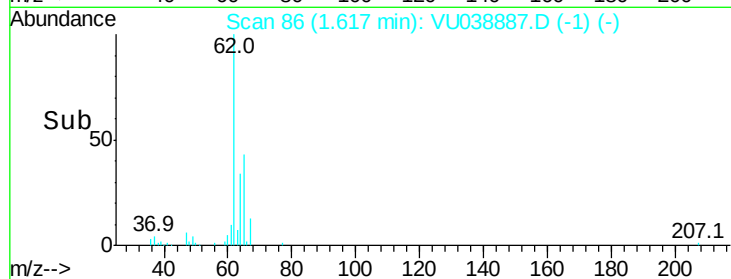
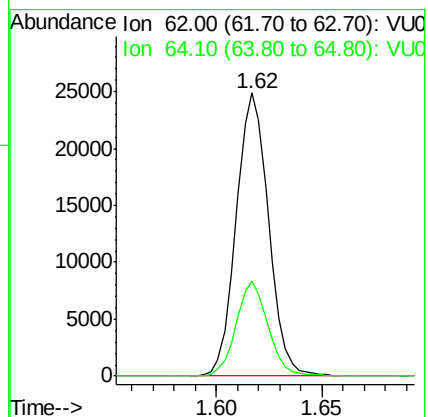
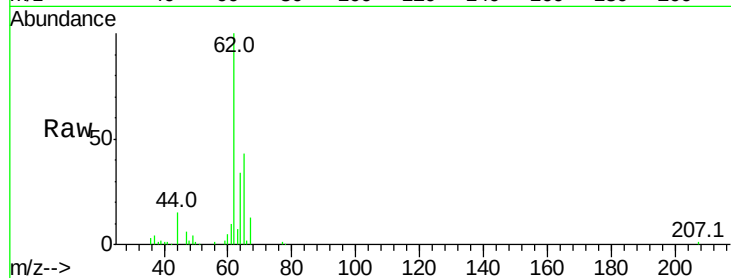
VSTD00104

Tgt Ion: 62 Resp: 26454

Ion Ratio Lower Upper

62 100

64 33.8 22.2 41.2



#6

Bromomethane

Concen: 1.018 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU038887.D

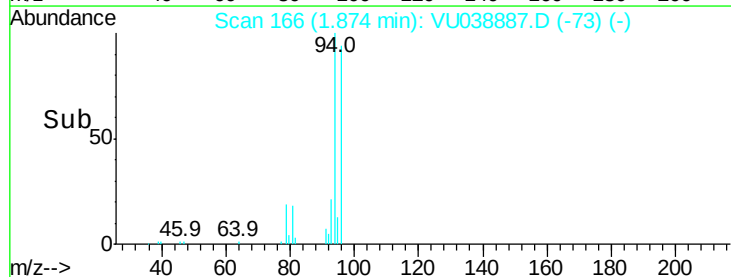
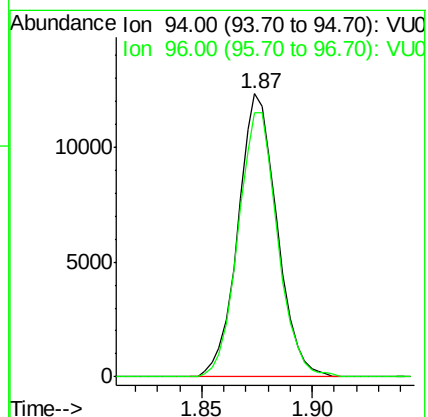
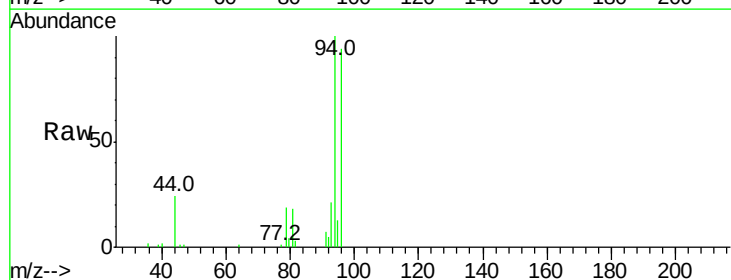
Acq: 15 Jun 2020 12:35

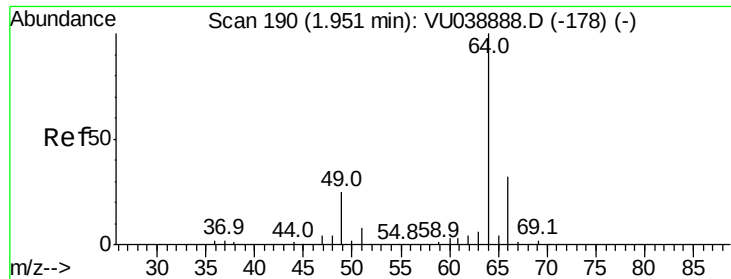
Tgt Ion: 94 Resp: 15106

Ion Ratio Lower Upper

94 100

96 93.5 65.5 121.7

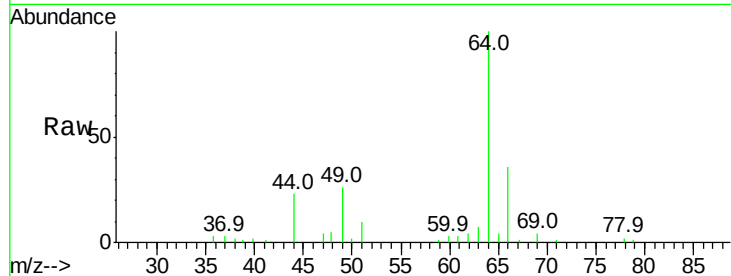




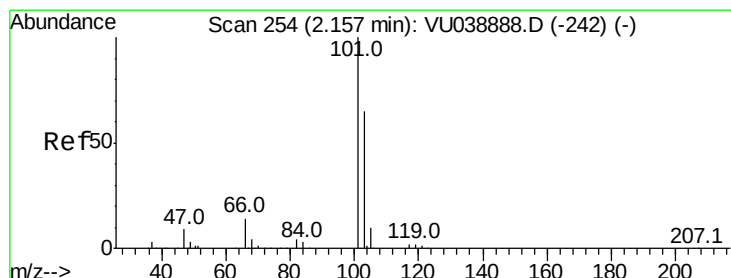
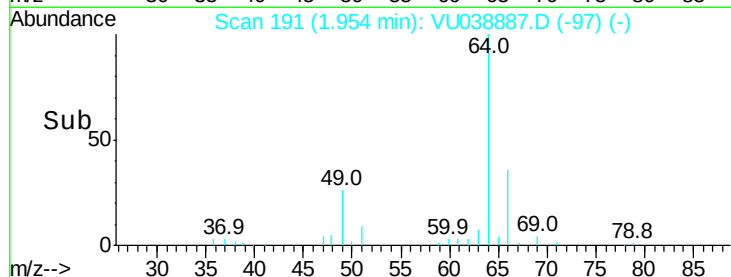
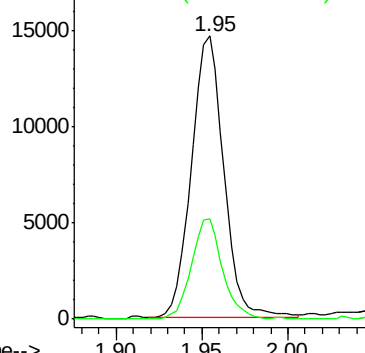
#8
Chloroethane
Concen: 1.195 ug/L
RT: 1.95 min Scan# 191
Delta R.T. 0.00 min
Lab File: VU038887.D
Acq: 15 Jun 2020 12:35

Instrument :
MSVOA_U
ClientSampleId :
VSTD00104

Tgt Ion: 64 Resp: 19100
Ion Ratio Lower Upper
64 100
66 35.6 22.6 42.0

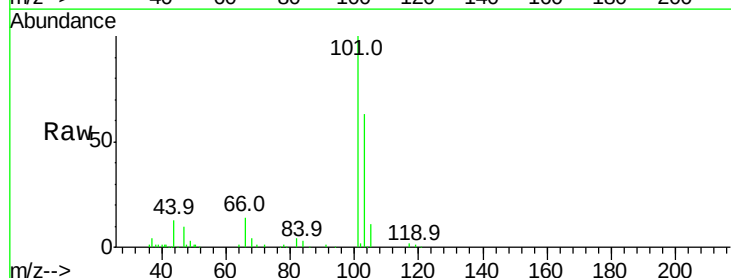


Abundance Ion 64.10 (63.80 to 64.80): VU0
Ion 66.05 (65.75 to 66.75): VU0

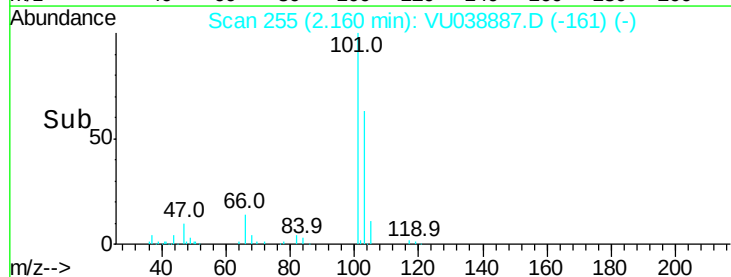
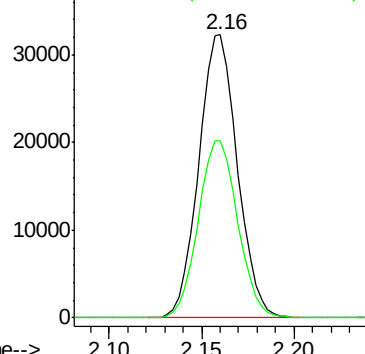


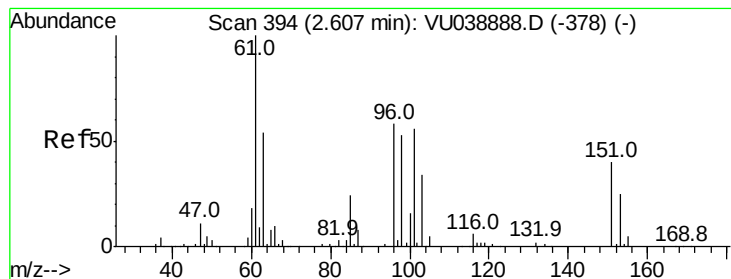
#9
Trichlorofluoromethane
Concen: 1.214 ug/L
RT: 2.16 min Scan# 255
Delta R.T. 0.00 min
Lab File: VU038887.D
Acq: 15 Jun 2020 12:35

Tgt Ion: 101 Resp: 46613
Ion Ratio Lower Upper
101 100
103 64.0 51.1 76.7



Abundance Ion 101.00 (100.70 to 101.70): V
Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 1.041 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038887.D

Acq: 15 Jun 2020 12:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD00104

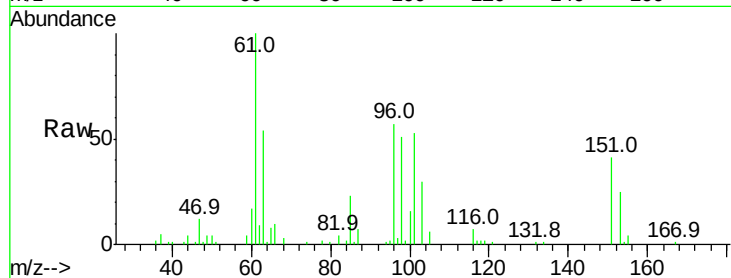
Tgt Ion: 101 Resp: 22860

Ion Ratio Lower Upper

101 100

85 43.8 35.3 52.9

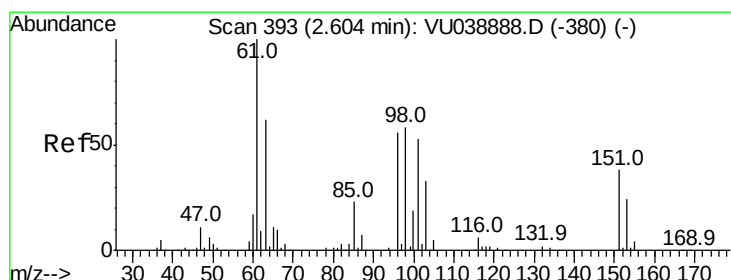
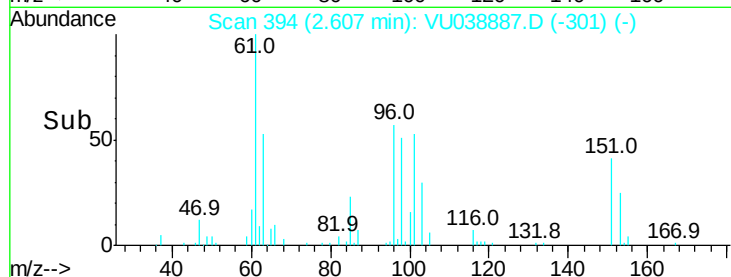
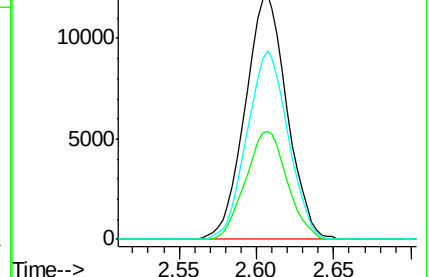
151 75.8 57.4 86.2



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: 1.049 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU038887.D

Acq: 15 Jun 2020 12:35

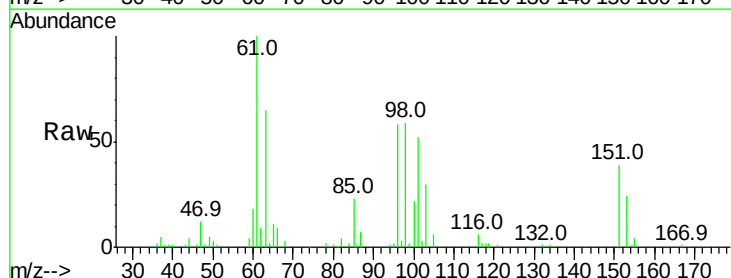
Tgt Ion: 96 Resp: 22252

Ion Ratio Lower Upper

96 100

61 172.5 124.9 232.1

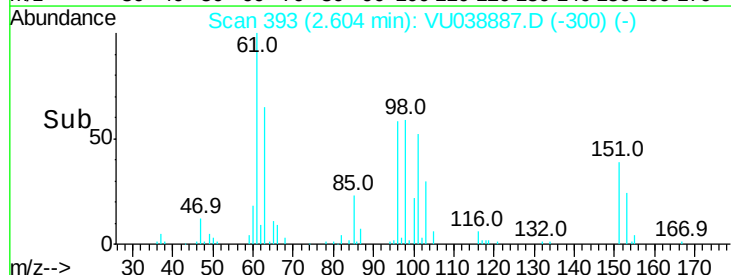
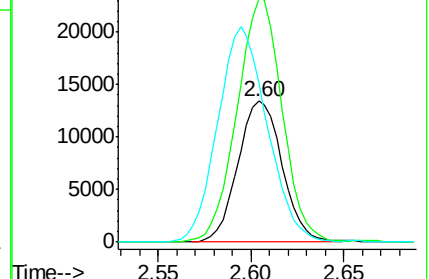
63 112.7 79.1 146.9

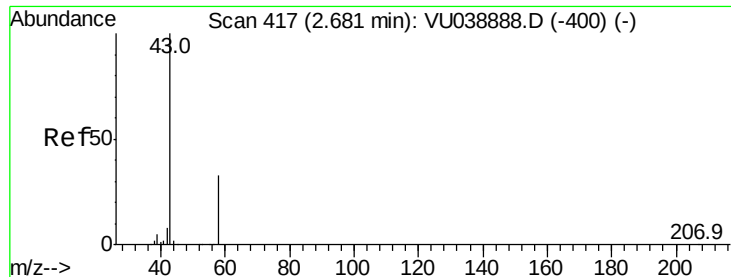


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 9.943 ug/L

RT: 2.69 min Scan# 421

Delta R.T. 0.01 min

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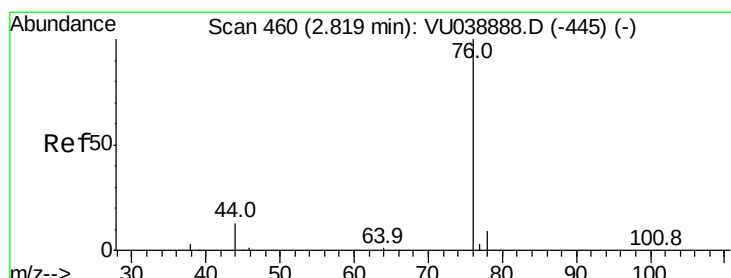
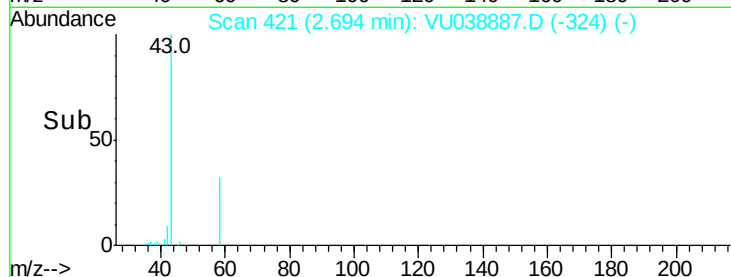
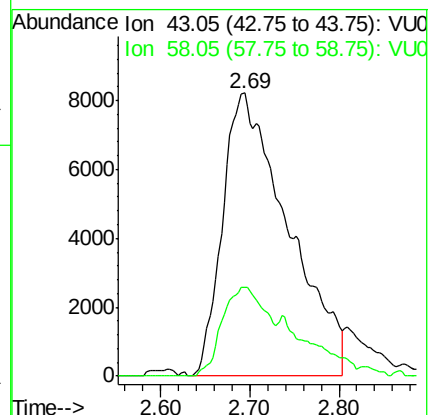
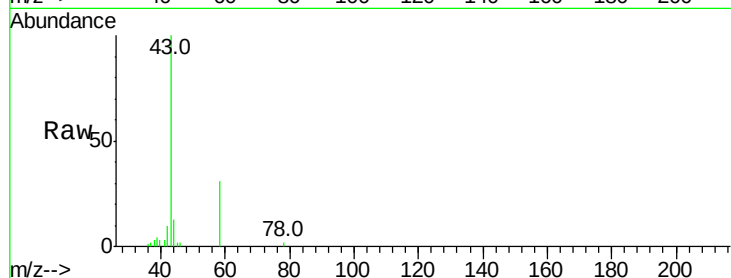
VSTD00104

Tgt Ion: 43 Resp: 41812

Ion Ratio Lower Upper

43 100

58 21.2 0.0 65.6



#14

Carbon disulfide

Concen: 0.992 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU038887.D

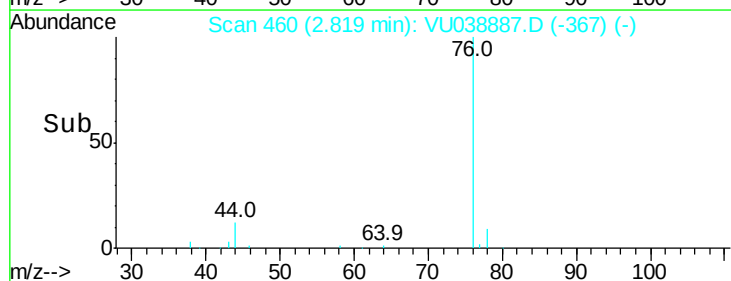
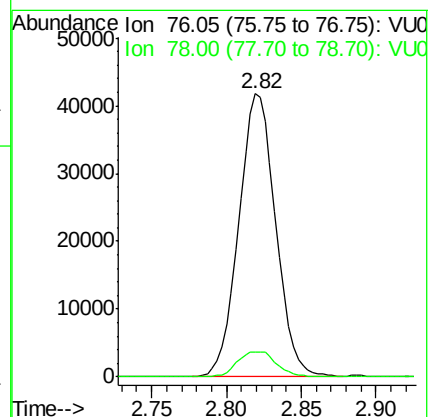
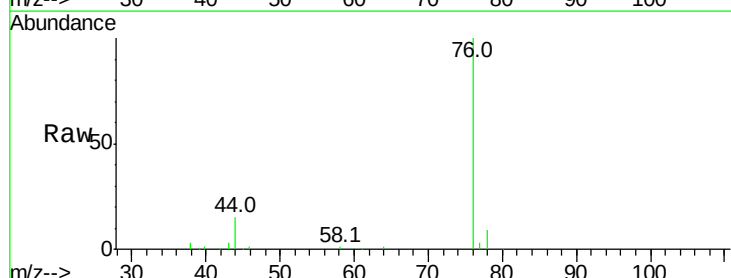
Acq: 15 Jun 2020 12:35

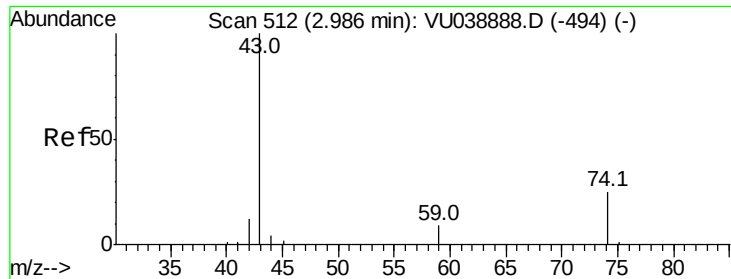
Tgt Ion: 76 Resp: 71634

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7





#15

Methyl Acetate

Concen: 1.067 ug/L

RT: 3.00 min Scan# 515

Delta R.T. 0.01 min

Lab File: VU038887.D

Acq: 15 Jun 2020 12:35

Instrument :

MSVOA_U

ClientSampleId :

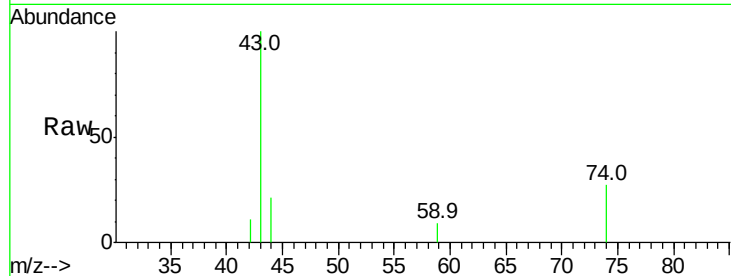
VSTD00104

Tgt Ion: 43 Resp: 10965

Ion Ratio Lower Upper

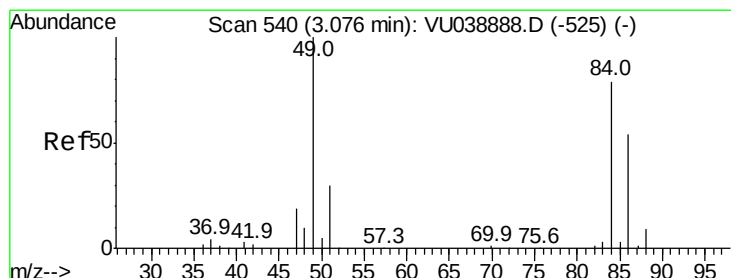
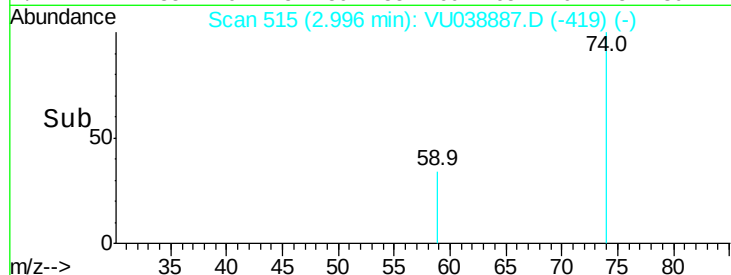
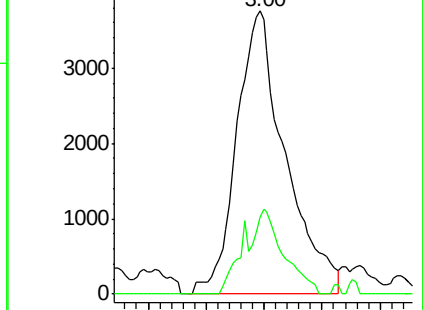
43 100

74 18.1 19.7 29.5#



Abundance Ion 43.05 (42.75 to 43.75): VU038887.D (-494) (-)

Ion 74.05 (73.75 to 74.75): VU038887.D (-494) (-)



#16

Methylene chloride

Concen: 1.013 ug/L

RT: 3.08 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU038887.D

Acq: 15 Jun 2020 12:35

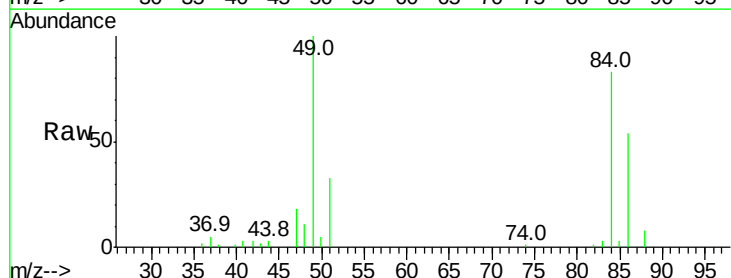
Tgt Ion: 84 Resp: 24714

Ion Ratio Lower Upper

84 100

86 64.9 47.9 89.1

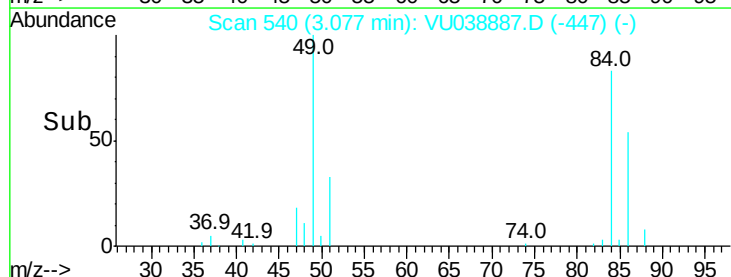
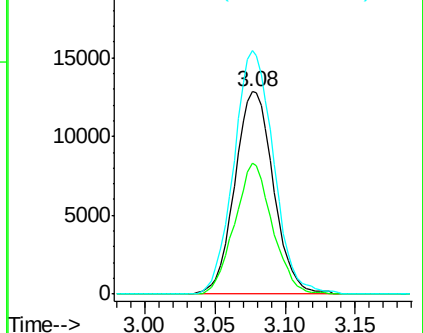
49 120.3 88.4 164.2

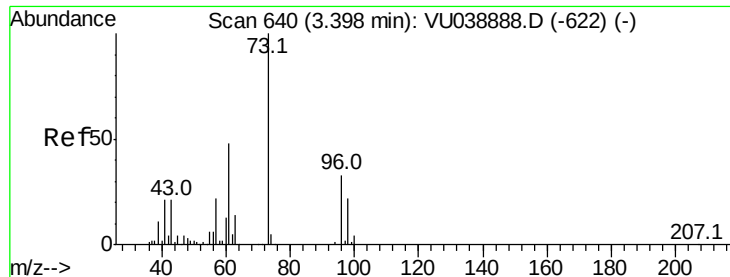


Abundance Ion 84.05 (83.75 to 84.75): VU038887.D (-447) (-)

Ion 86.00 (85.70 to 86.70): VU038887.D (-447) (-)

Ion 49.10 (48.80 to 49.80): VU038887.D (-447) (-)

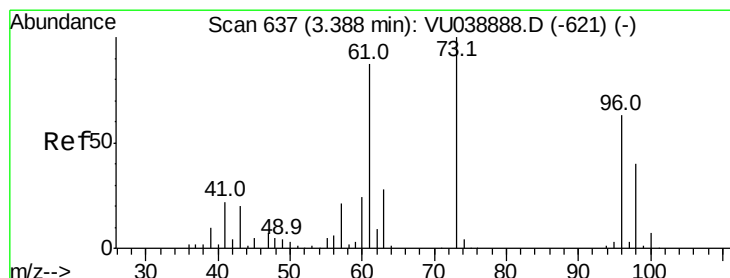
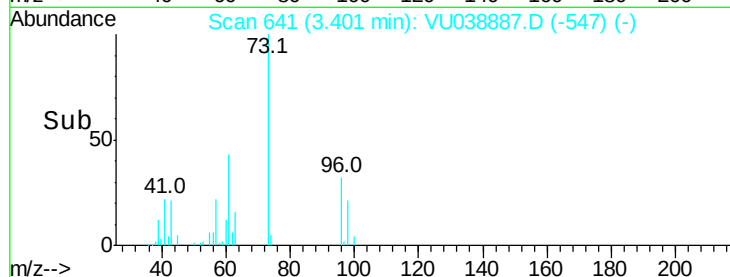
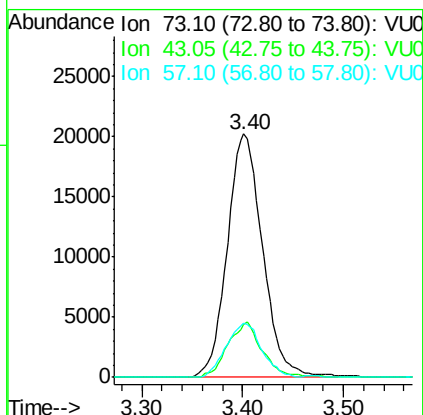
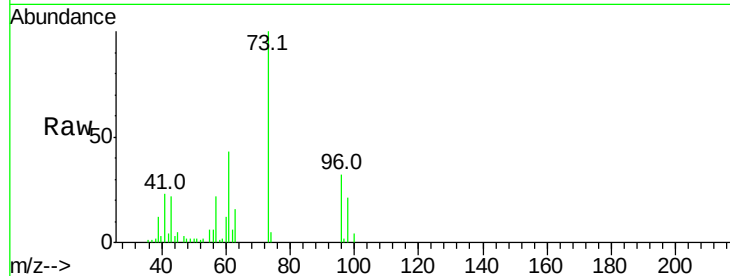




#17
Methyl tert-butyl Ether
Concen: 0.902 ug/L
RT: 3.40 min Scan# 641
Delta R.T. 0.00 min
Lab File: VU038887.D
Acq: 15 Jun 2020 12:35

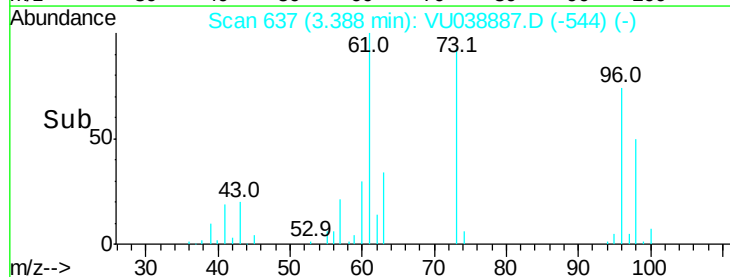
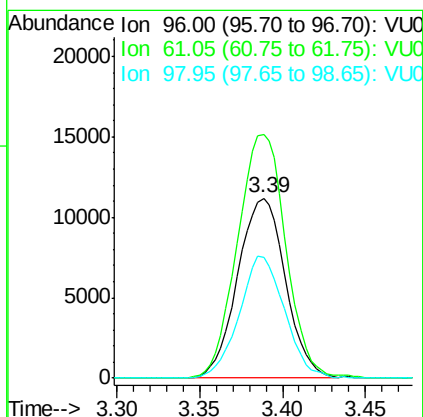
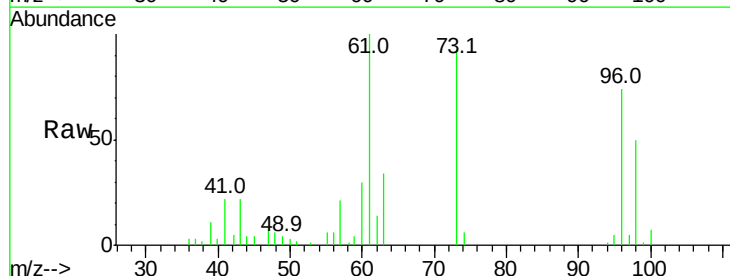
Instrument :
MSVOA_U
ClientSampleId :
VSTD00104

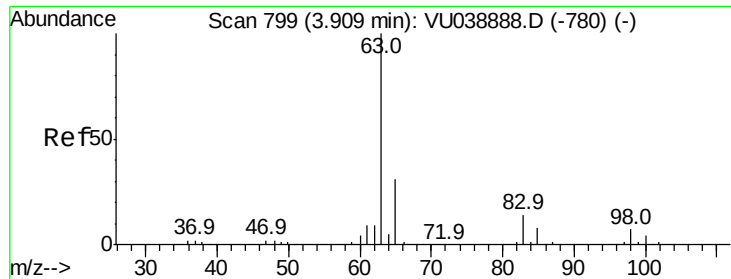
Tgt Ion: 73 Resp: 49333
Ion Ratio Lower Upper
73 100
43 22.0 16.6 24.8
57 22.2 17.5 26.3



#18
trans-1,2-Dichloroethene
Concen: 0.987 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU038887.D
Acq: 15 Jun 2020 12:35

Tgt Ion: 96 Resp: 22492
Ion Ratio Lower Upper
96 100
61 135.2 97.6 181.4
98 67.3 44.5 82.7





#19

1,1-Dichloroethane

Concen: 1.002 ug/L

RT: 3.91 min Scan# 800

Delta R.T. 0.00 min

Lab File: VU038887.D

Acq: 15 Jun 2020 12:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD00104

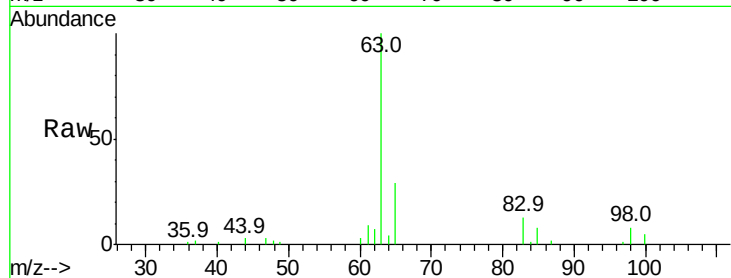
Tgt Ion: 63 Resp: 41111

Ion Ratio Lower Upper

63 100

65 29.0 21.3 39.6

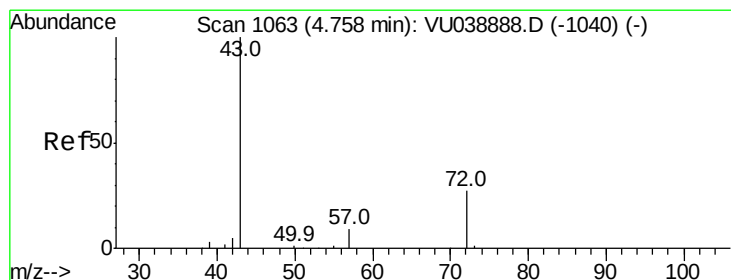
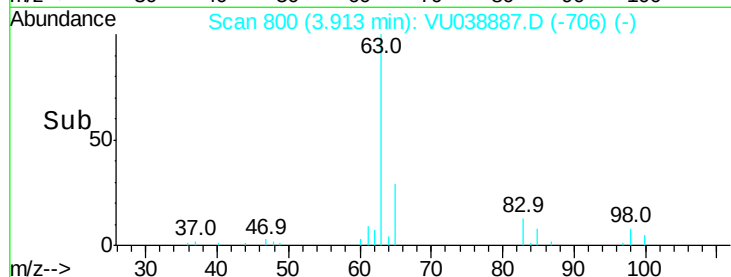
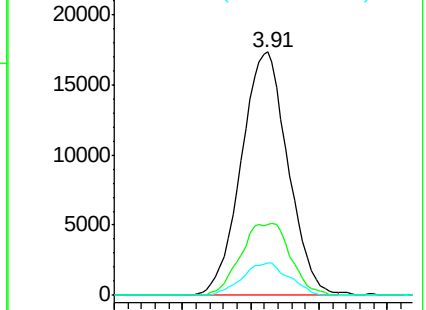
83 13.2 9.5 17.7



Abundance Ion 63.10 (62.80 to 63.80): VU038887.D (-780) (-)

Ion 65.10 (64.80 to 65.80): VU038887.D (-780) (-)

Ion 83.05 (82.75 to 83.75): VU038887.D (-780) (-)



#21

2-Butanone

Concen: 9.624 ug/L

RT: 4.76 min Scan# 1065

Delta R.T. 0.01 min

Lab File: VU038887.D

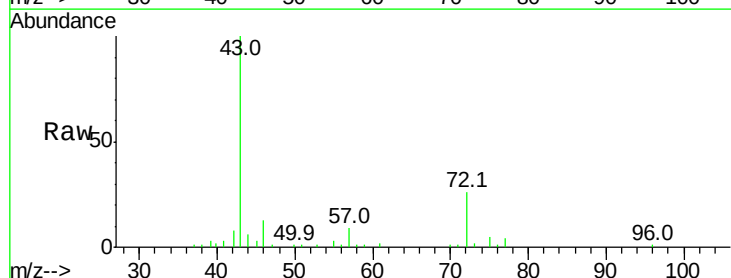
Acq: 15 Jun 2020 12:35

Tgt Ion: 43 Resp: 66477

Ion Ratio Lower Upper

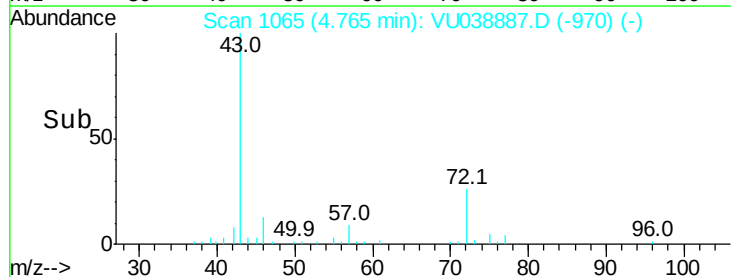
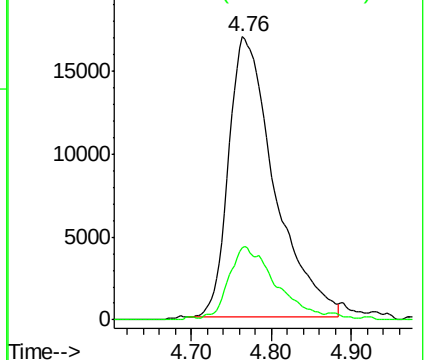
43 100

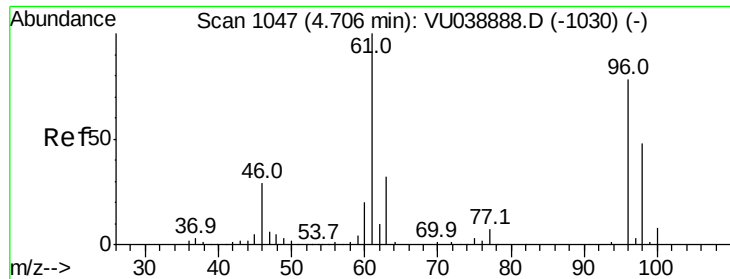
72 26.7 14.0 41.9



Abundance Ion 43.05 (42.75 to 43.75): VU038887.D (-970) (-)

Ion 72.10 (71.80 to 72.80): VU038887.D (-970) (-)





#22

cis-1,2-Dichloroethene

Concen: 0.987 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU038887.D

Acq: 15 Jun 2020 12:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD00104

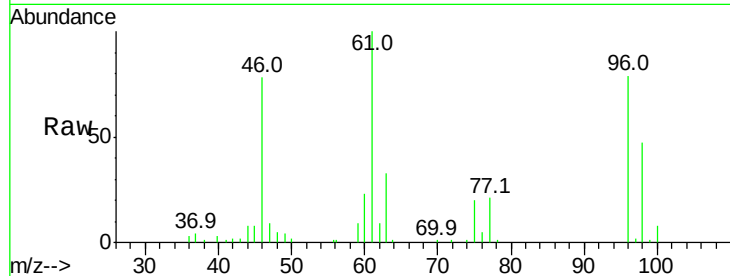
Tgt Ion: 96 Resp: 23418

Ion Ratio Lower Upper

96 100

61 127.1 90.5 168.1

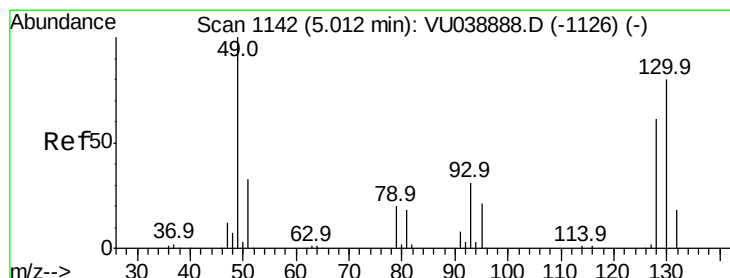
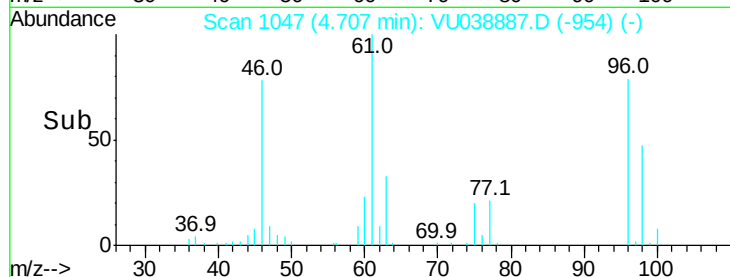
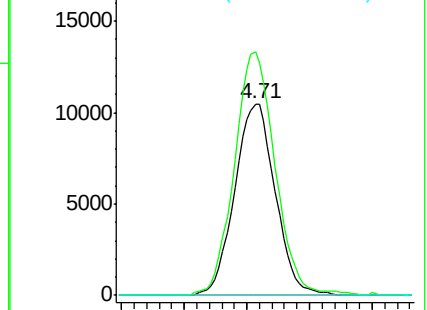
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 1.001 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU038887.D

Acq: 15 Jun 2020 12:35

Tgt Ion: 128 Resp: 11139

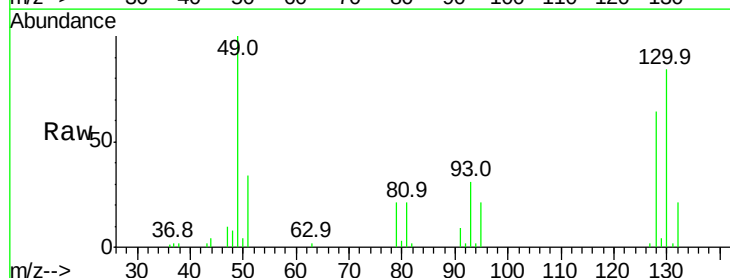
Ion Ratio Lower Upper

128 100

49 156.6 114.8 213.2

130 131.2 91.7 170.3

51 53.8 42.7 64.1

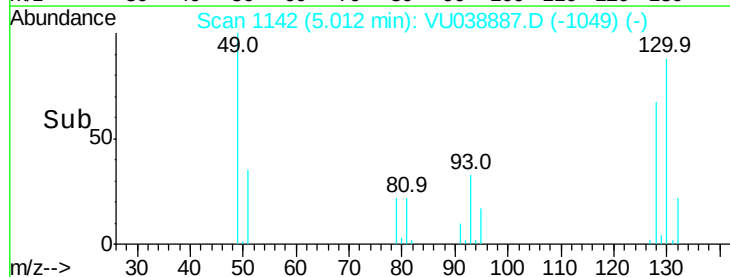
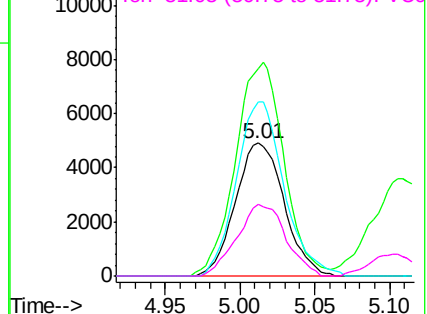


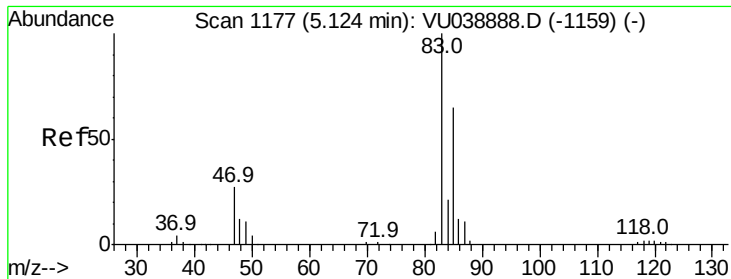
Abundance Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

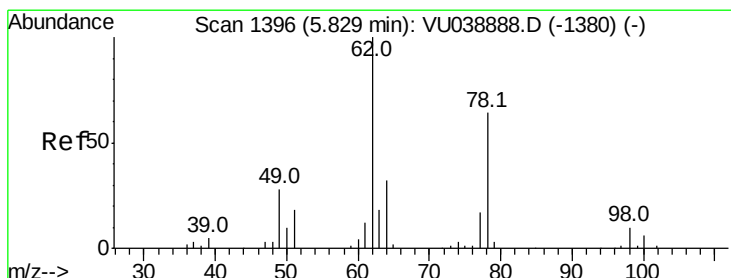
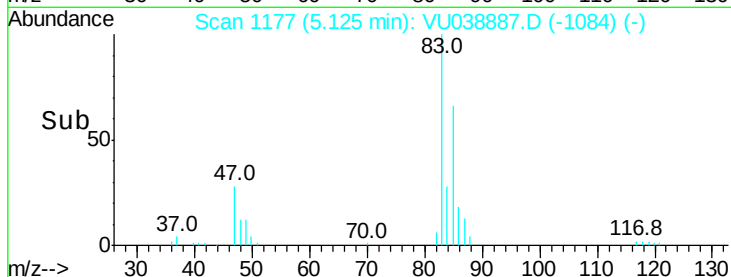
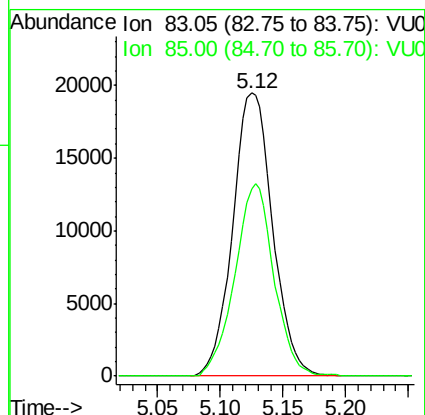
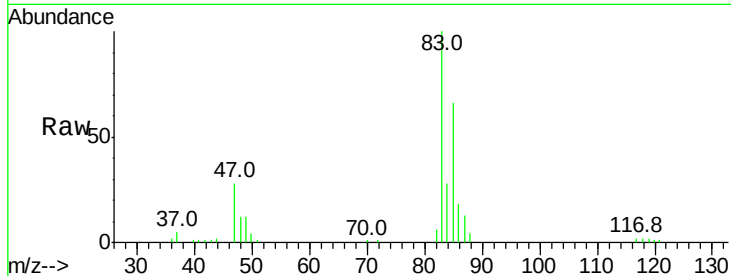




#25
Chloroform
Concen: 1.018 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VU038887.D
Acq: 15 Jun 2020 12:35

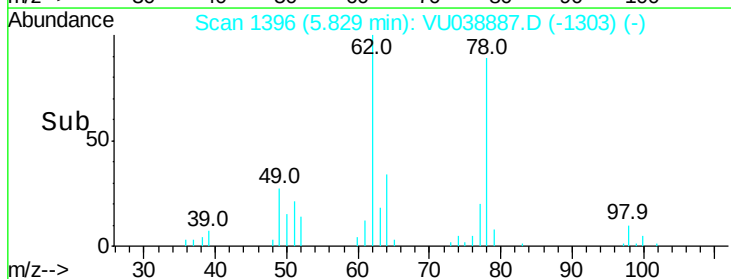
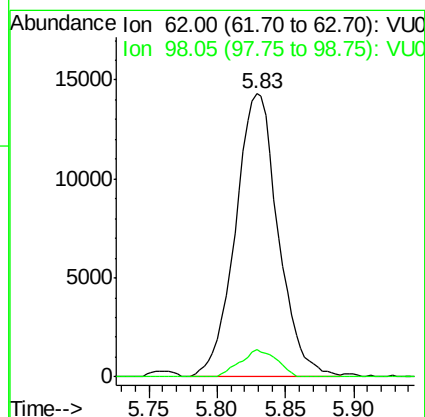
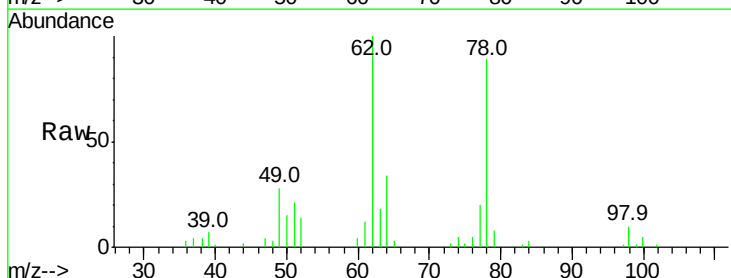
Instrument :
MSVOA_U
ClientSampleId :
VSTD00104

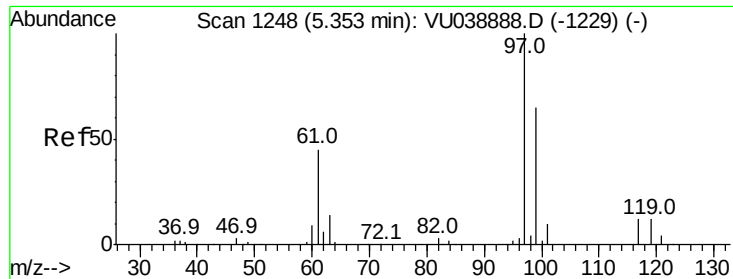
Tgt Ion: 83 Resp: 43053
Ion Ratio Lower Upper
83 100
85 66.4 45.8 85.2



#27
1,2-Dichloroethane
Concen: 1.058 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU038887.D
Acq: 15 Jun 2020 12:35

Tgt Ion: 62 Resp: 31191
Ion Ratio Lower Upper
62 100
98 9.7 8.2 12.4

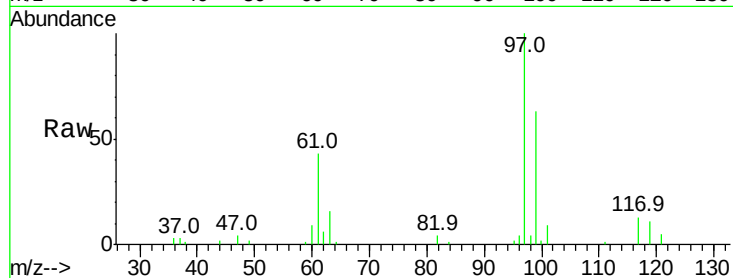




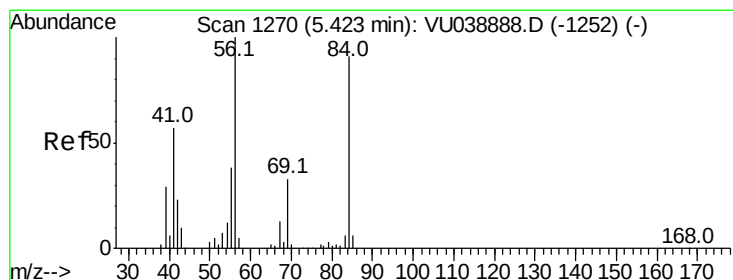
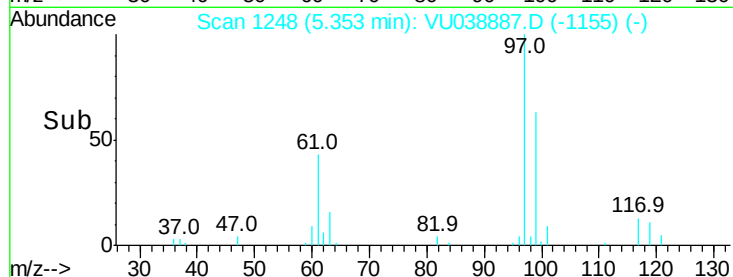
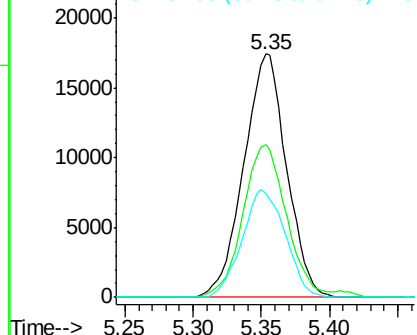
#29
 1,1,1-Trichloroethane
 Concen: 1.001 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VU038887.D
 Acq: 15 Jun 2020 12:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00104

Tgt Ion: 97 Resp: 37884
 Ion Ratio Lower Upper
 97 100
 99 63.9 51.4 77.2
 61 44.6 36.3 54.5

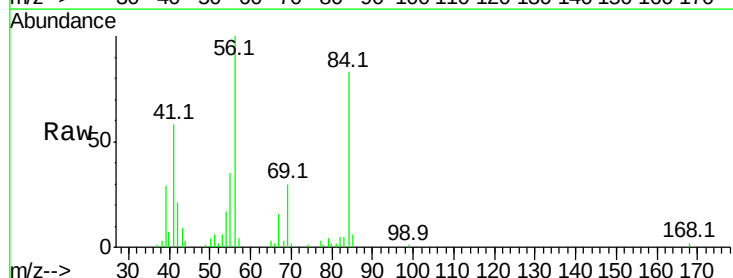


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

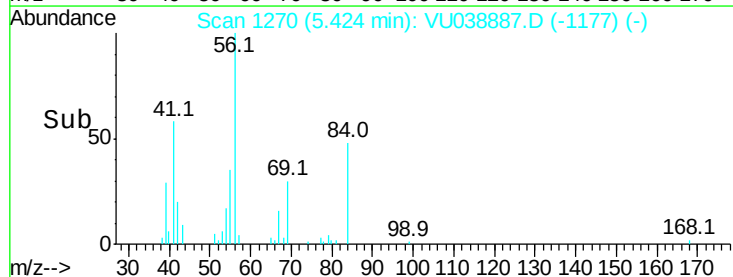
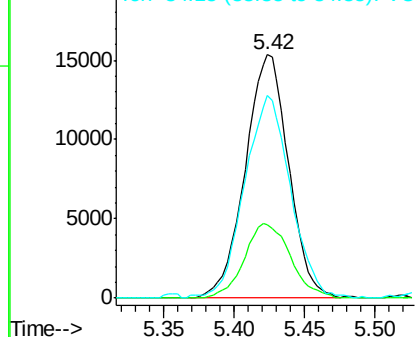


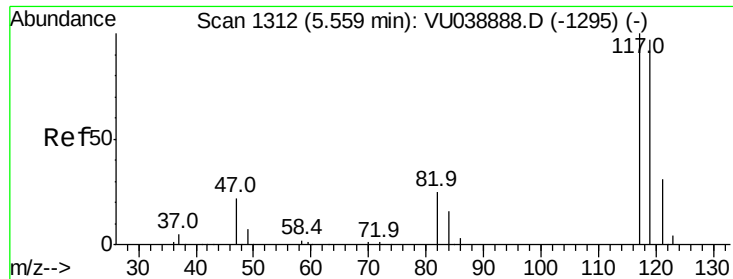
#30
 Cyclohexane
 Concen: 0.901 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VU038887.D
 Acq: 15 Jun 2020 12:35

Tgt Ion: 56 Resp: 33042
 Ion Ratio Lower Upper
 56 100
 69 32.6 25.4 38.2
 84 88.2 72.1 108.1



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

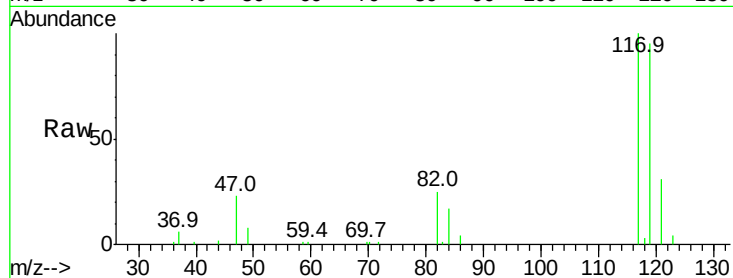




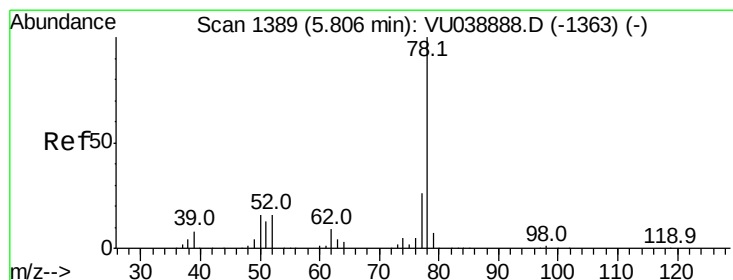
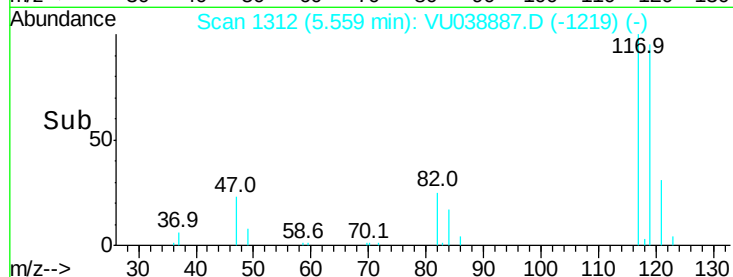
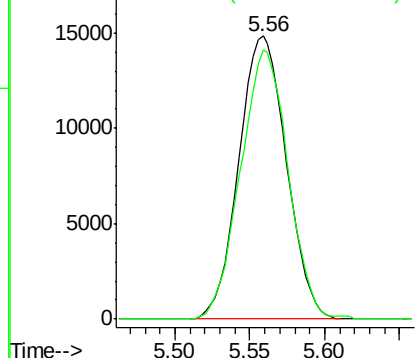
#31
Carbon tetrachloride
Concen: 1.025 ug/L
RT: 5.56 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU038887.D
Acq: 15 Jun 2020 12:35

Instrument :
MSVOA_U
ClientSampleId :
VSTD00104

Tgt Ion:117 Resp: 32732
Ion Ratio Lower Upper
117 100
119 95.1 76.6 114.8

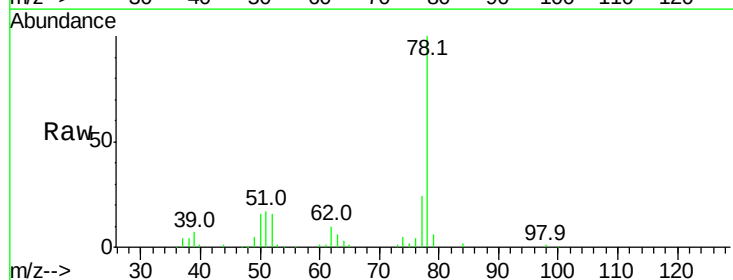


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V

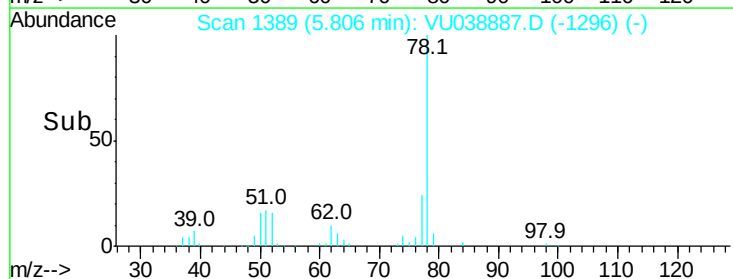
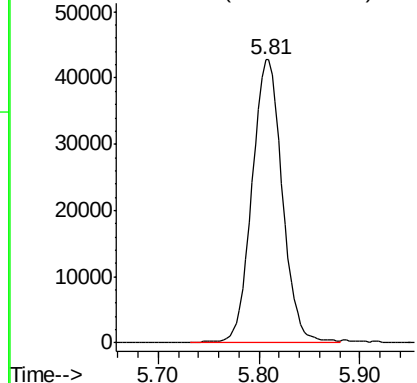


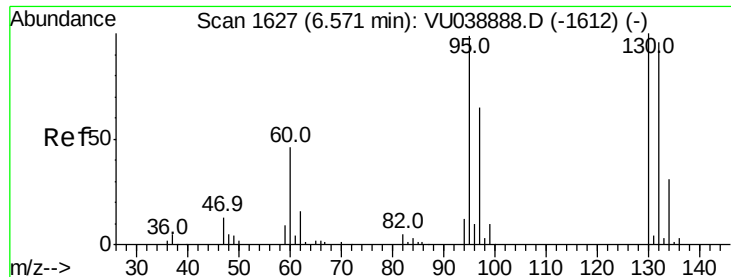
#33
Benzene
Concen: 0.962 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VU038887.D
Acq: 15 Jun 2020 12:35

Tgt Ion: 78 Resp: 89164



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 0.992 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VU038887.D

Acq: 15 Jun 2020 12:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD00104

Tgt Ion: 95 Resp: 23997

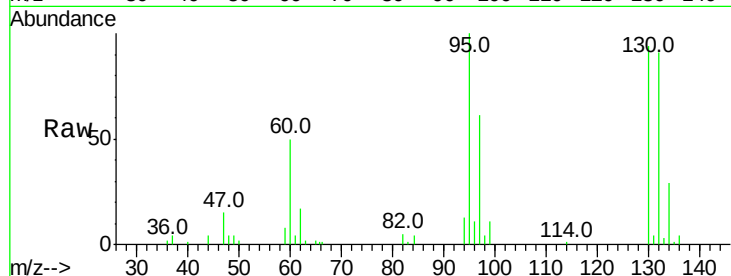
Ion Ratio Lower Upper

95 100

97 61.4 46.1 85.5

132 90.7 68.2 126.6

130 93.8 71.0 131.9

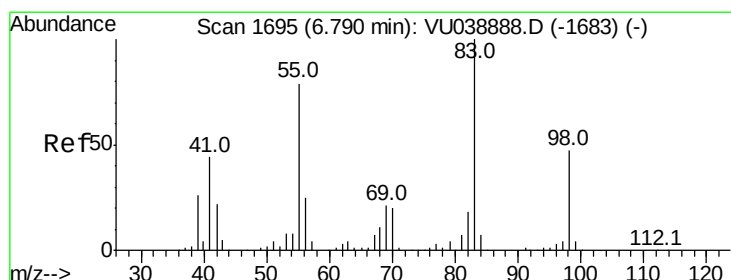
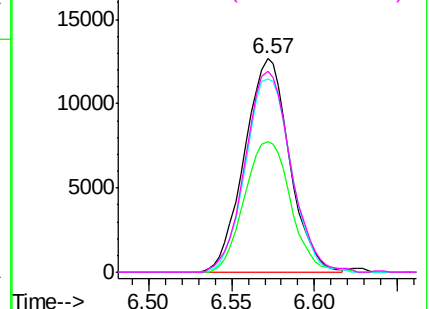
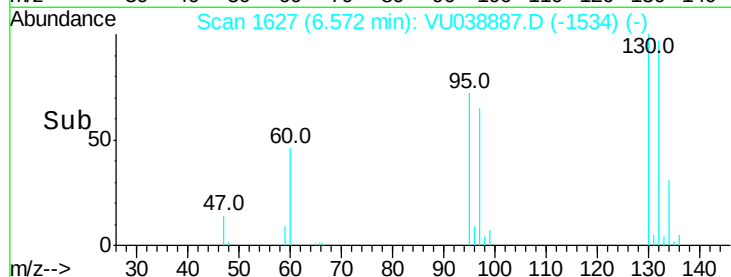


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.907 ug/L

RT: 6.79 min Scan# 1696

Delta R.T. 0.00 min

Lab File: VU038887.D

Acq: 15 Jun 2020 12:35

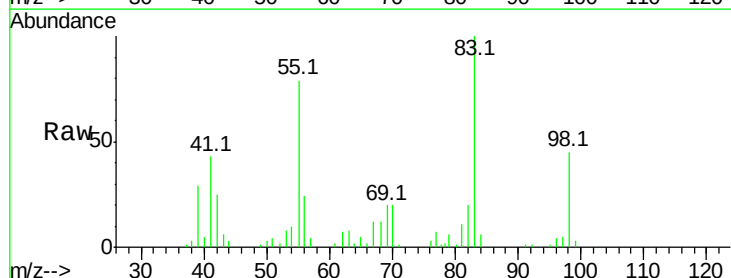
Tgt Ion: 83 Resp: 34125

Ion Ratio Lower Upper

83 100

55 79.4 63.6 95.4

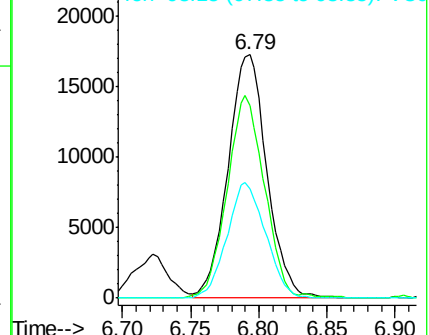
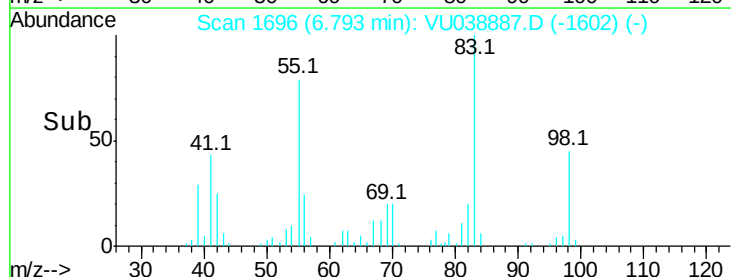
98 47.1 38.9 58.3

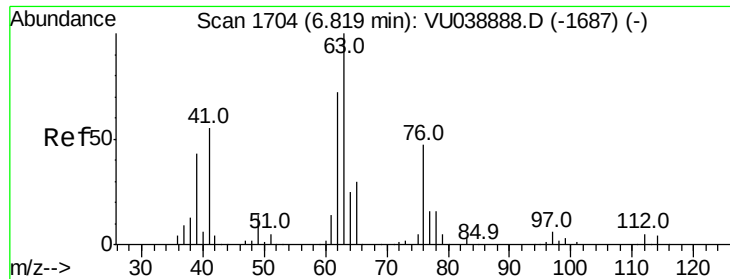


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

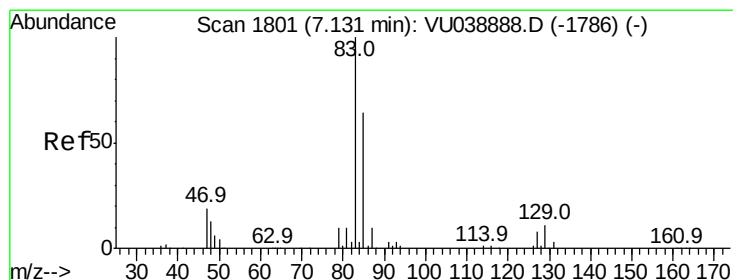
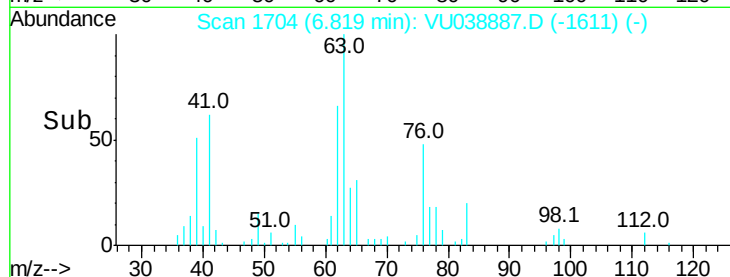
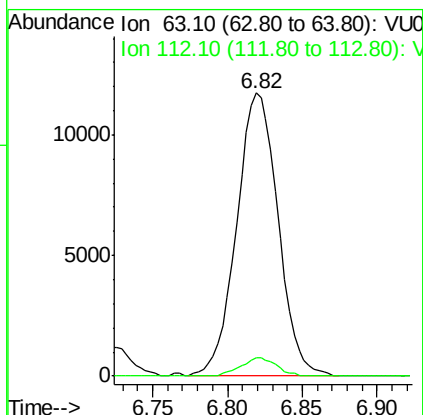
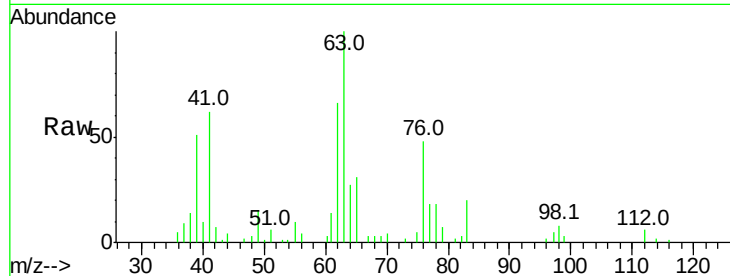




#37
 1,2-Dichloropropane
 Concen: 0.971 ug/L
 RT: 6.82 min Scan# 1704
 Delta R.T. 0.00 min
 Lab File: VU038887.D
 Acq: 15 Jun 2020 12:35

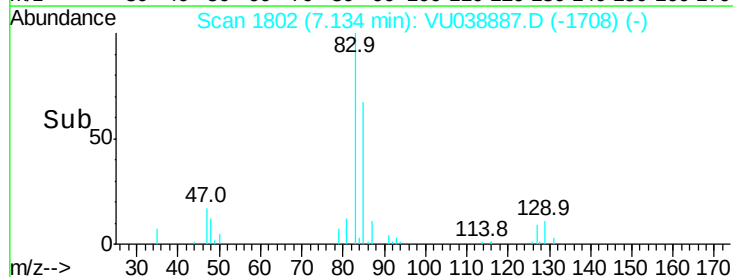
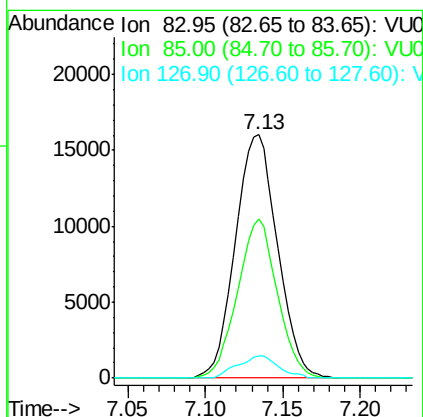
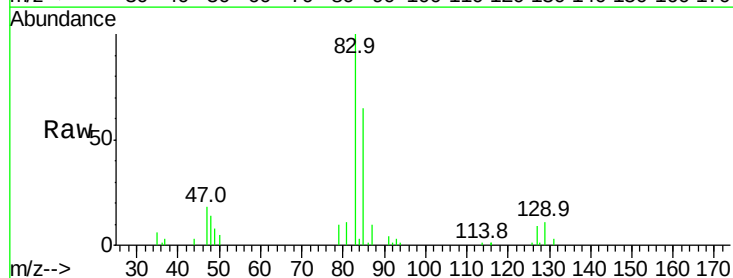
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00104

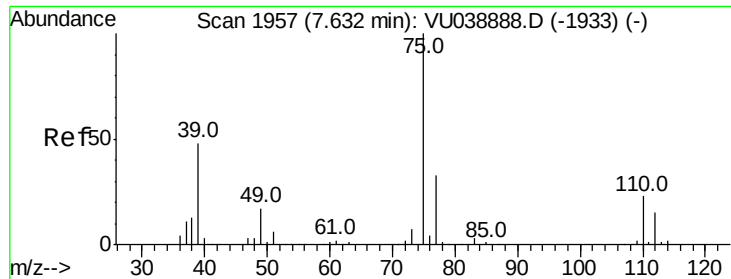
Tgt Ion: 63 Resp: 22662
 Ion Ratio Lower Upper
 63 100
 112 5.5 3.8 5.8



#38
 Bromodichloromethane
 Concen: 1.001 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VU038887.D
 Acq: 15 Jun 2020 12:35

Tgt Ion: 83 Resp: 30317
 Ion Ratio Lower Upper
 83 100
 85 65.5 44.8 83.2
 127 9.2 6.3 9.5

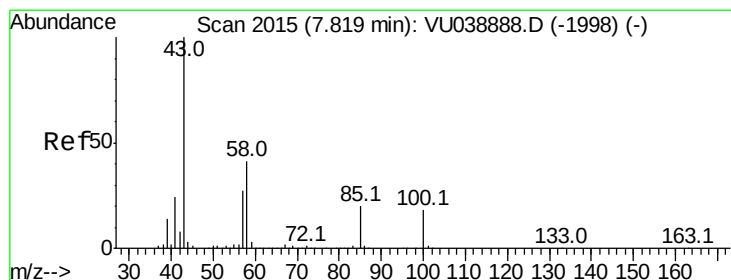
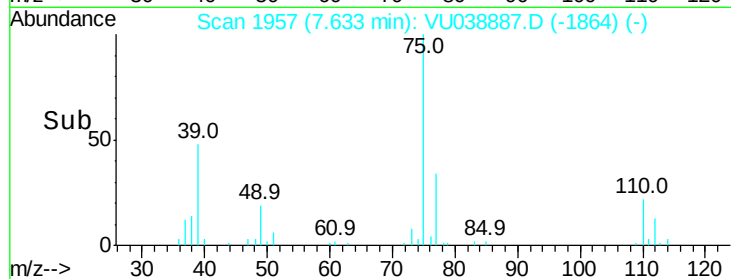
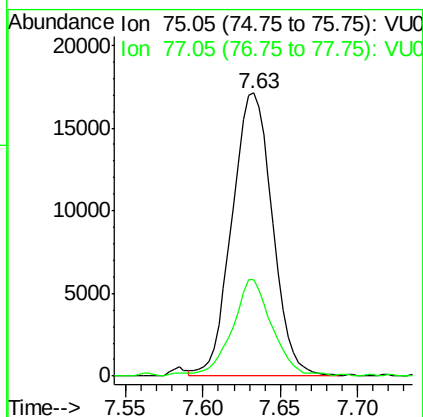
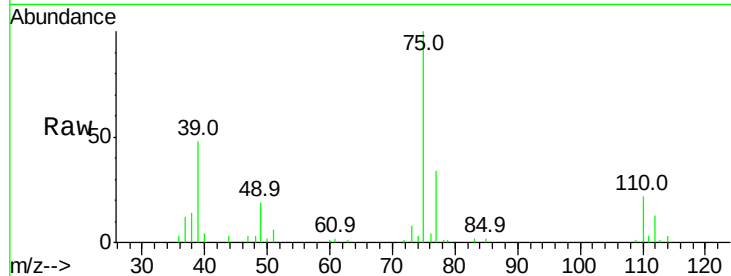




#39
 cis-1,3-Dichloropropene
 Concen: 0.901 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU038887.D
 Acq: 15 Jun 2020 12:35

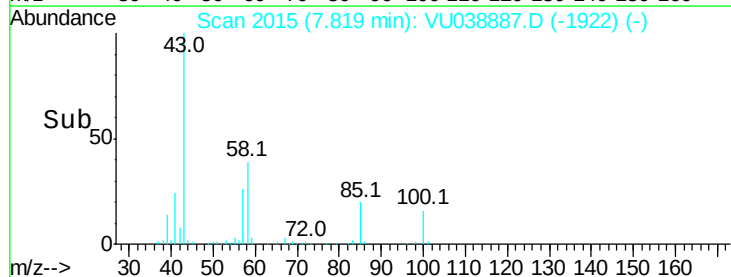
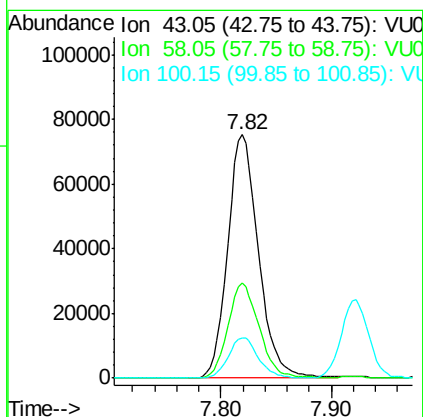
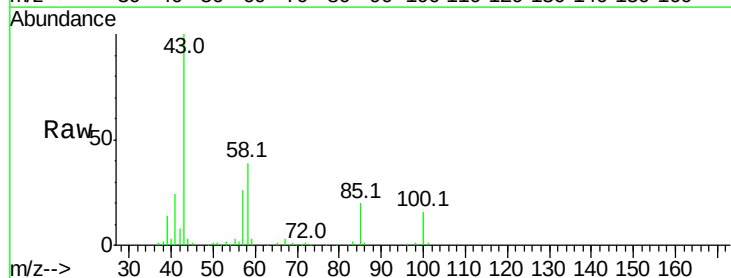
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00104

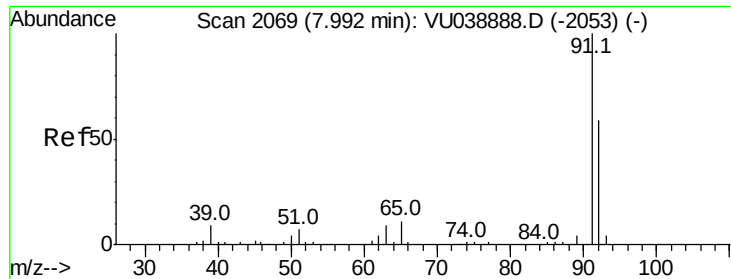
Tgt Ion: 75 Resp: 31154
 Ion Ratio Lower Upper
 75 100
 77 34.3 23.0 42.6



#40
 4-Methyl-2-pentanone
 Concen: 9.345 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. 0.00 min
 Lab File: VU038887.D
 Acq: 15 Jun 2020 12:35

Tgt Ion: 43 Resp: 145964
 Ion Ratio Lower Upper
 43 100
 58 39.5 32.6 49.0
 100 16.2 13.8 20.6





#42

Toluene

Concen: 0.921 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU038887.D

Acq: 15 Jun 2020 12:35

Instrument :

MSVOA_U

ClientSampleId :

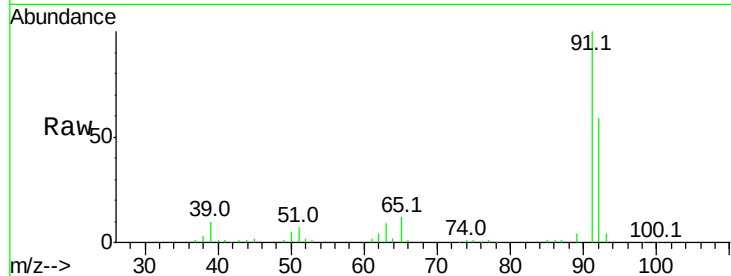
VSTD00104

Tgt Ion: 91 Resp: 90107

Ion Ratio Lower Upper

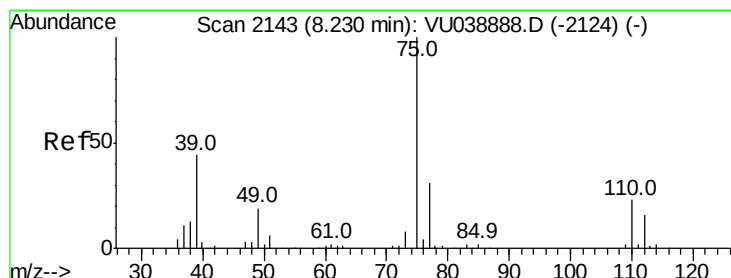
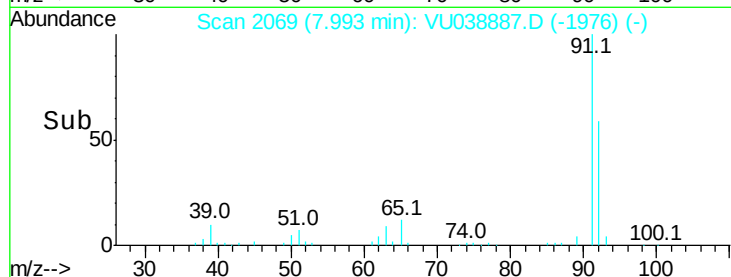
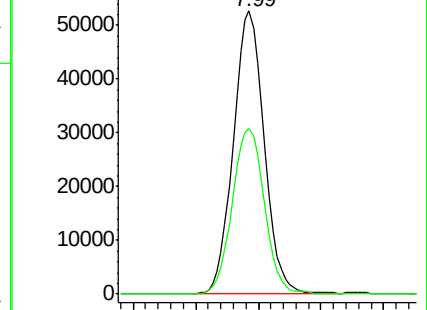
91 100

92 58.6 41.5 77.1



Abundance Ion 91.15 (90.85 to 91.85): VU038887.D (-1976) (-)

Ion 92.15 (91.85 to 92.85): VU038887.D (-1976) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.905 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU038887.D

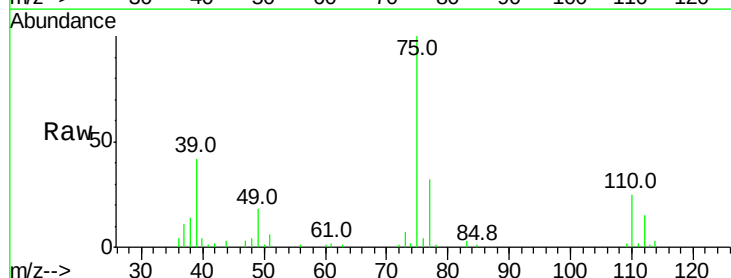
Acq: 15 Jun 2020 12:35

Tgt Ion: 75 Resp: 27879

Ion Ratio Lower Upper

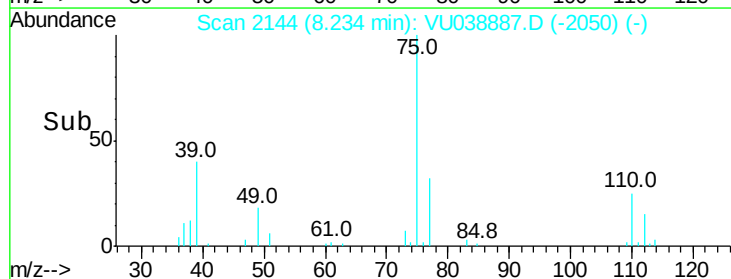
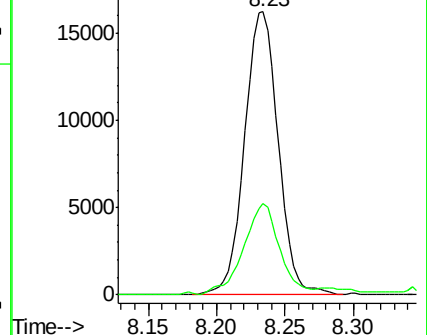
75 100

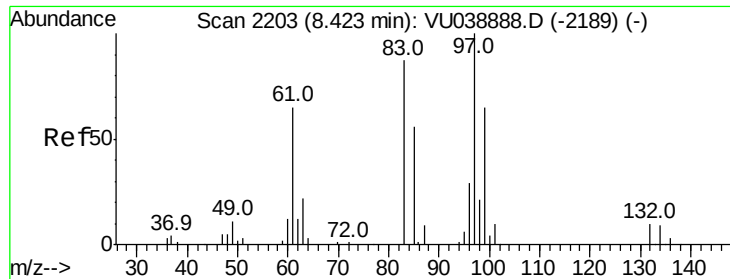
77 32.4 21.9 40.7



Abundance Ion 75.05 (74.75 to 75.75): VU038887.D (-2050) (-)

Ion 77.05 (76.75 to 77.75): VU038887.D (-2050) (-)

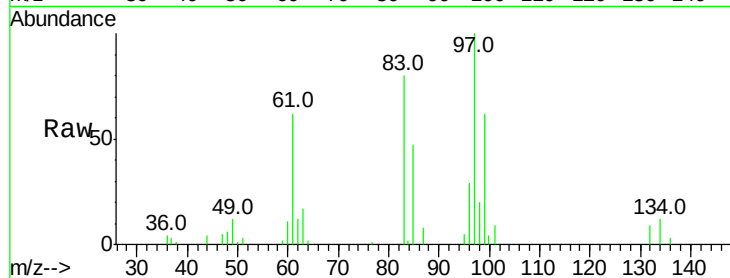




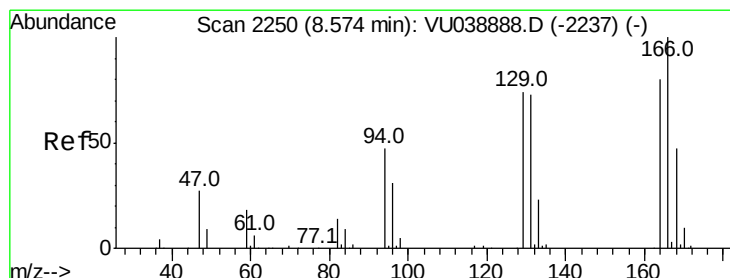
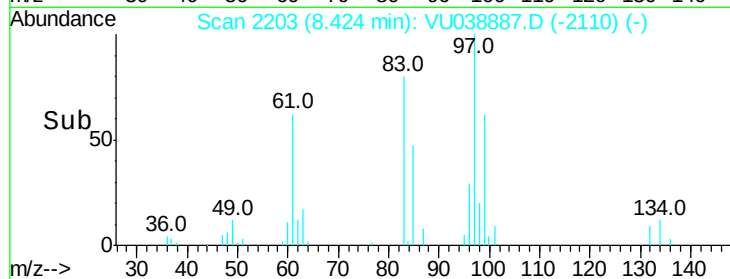
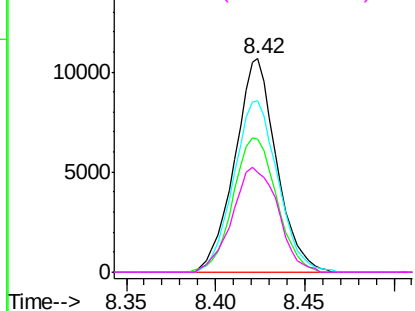
#45
 1,1,2-Trichloroethane
 Concen: 0.976 ug/L
 RT: 8.42 min Scan# 2203
 Delta R.T. 0.00 min
 Lab File: VU038887.D
 Acq: 15 Jun 2020 12:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00104

Tgt Ion:	97	Resp:	17369
Ion	Ratio	Lower	Upper
97	100		
99	62.4	45.4	84.2
83	80.3	60.6	112.6
85	46.7	39.0	72.4

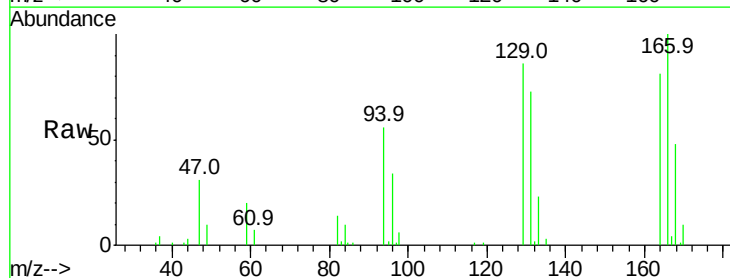


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

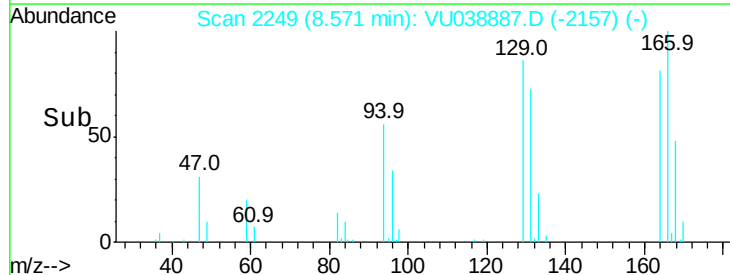
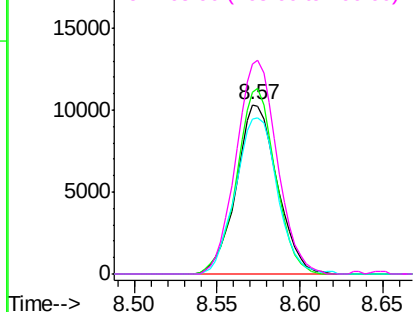


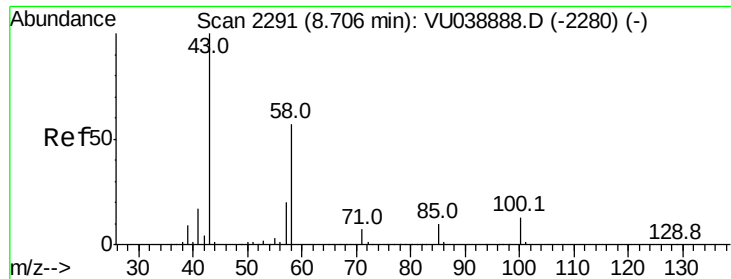
#47
 Tetrachloroethene
 Concen: 0.952 ug/L
 RT: 8.57 min Scan# 2249
 Delta R.T. -0.00 min
 Lab File: VU038887.D
 Acq: 15 Jun 2020 12:35

Tgt Ion:	164	Resp:	17730
Ion	Ratio	Lower	Upper
164	100		
129	107.3	65.5	121.7
131	91.1	63.9	118.7
166	124.1	87.9	163.3



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

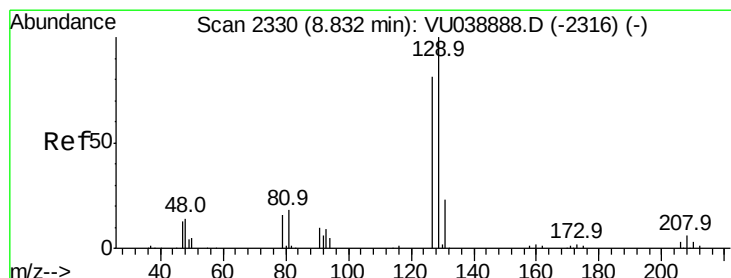
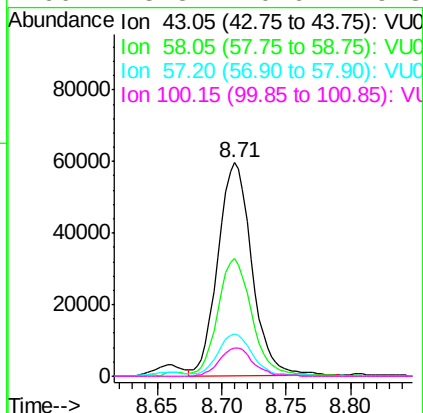
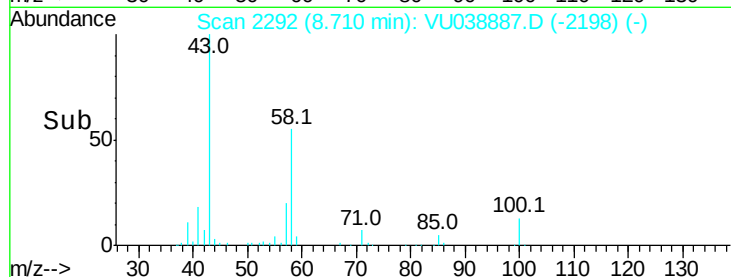
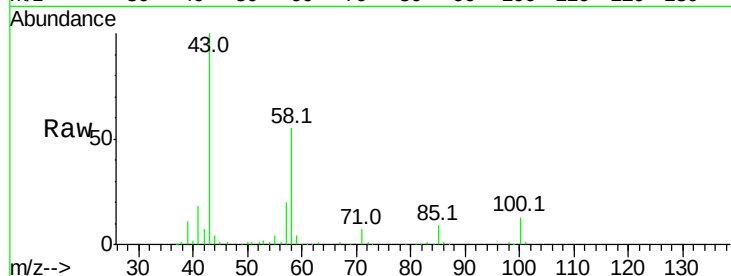




#48
2-Hexanone
Concen: 9.056 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU038887.D
Acq: 15 Jun 2020 12:35

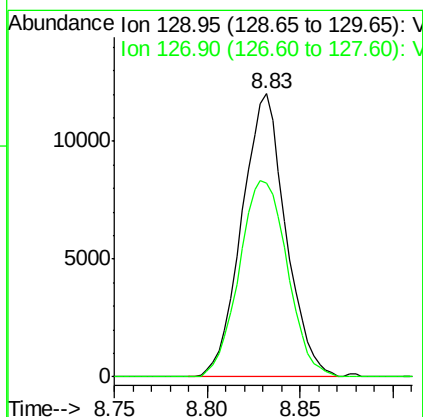
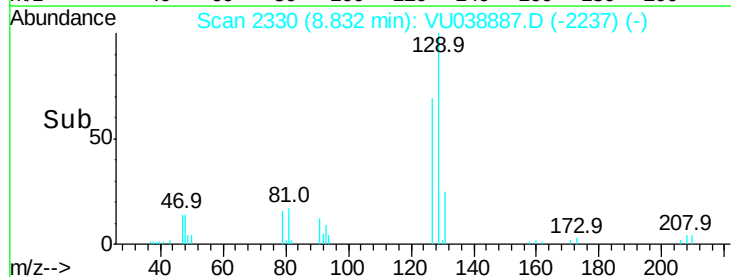
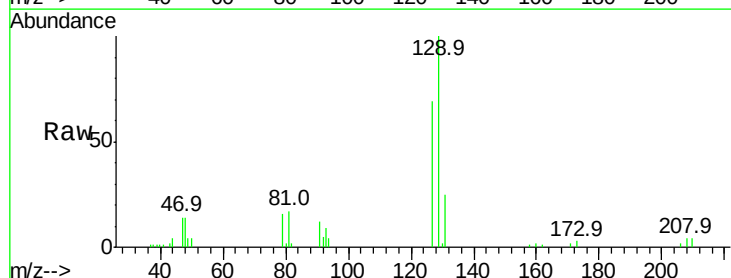
Instrument :
MSVOA_U
ClientSampleId :
VSTD00104

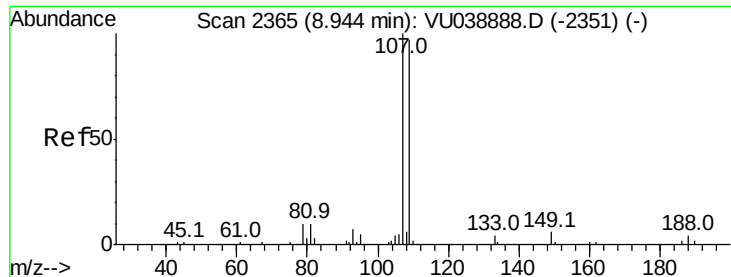
Tgt Ion: 43 Resp: 108659
Ion Ratio Lower Upper
43 100
58 55.3 45.4 68.2
57 19.7 16.4 24.6
100 13.3 10.6 15.8



#49
Dibromochloromethane
Concen: 0.999 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU038887.D
Acq: 15 Jun 2020 12:35

Tgt Ion: 129 Resp: 19847
Ion Ratio Lower Upper
129 100
127 68.7 56.7 105.3

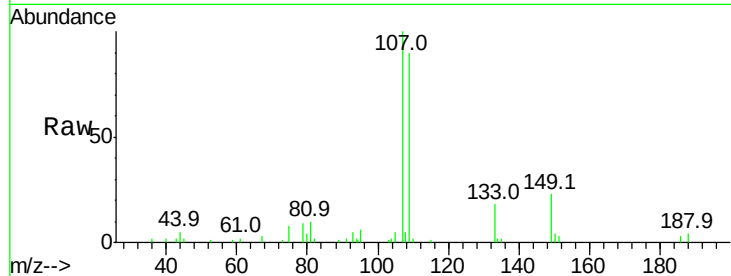




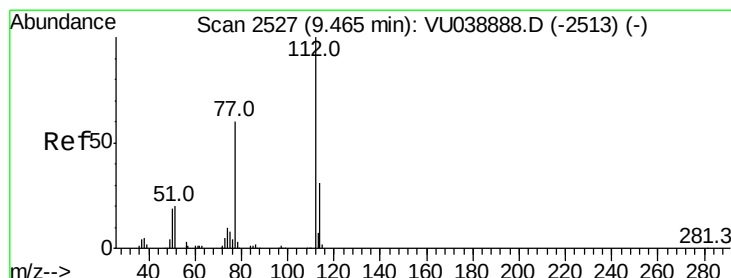
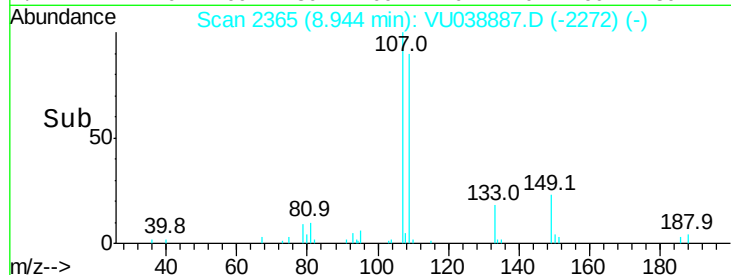
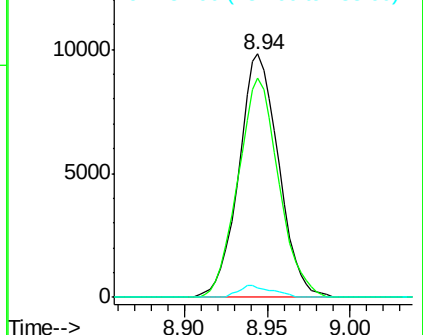
#50
1,2-Dibromoethane
Concen: 0.940 ug/L
RT: 8.94 min Scan# 2365
Delta R.T. 0.00 min
Lab File: VU038887.D
Acq: 15 Jun 2020 12:35

Instrument :
MSVOA_U
ClientSampleId :
VSTD00104

Tgt Ion:107 Resp: 16326
Ion Ratio Lower Upper
107 100
109 90.2 67.5 125.4
188 4.1 2.9 4.3

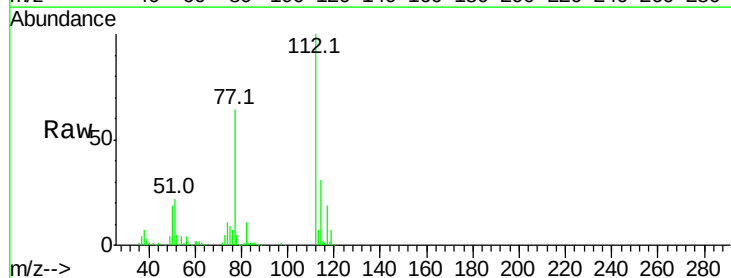


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

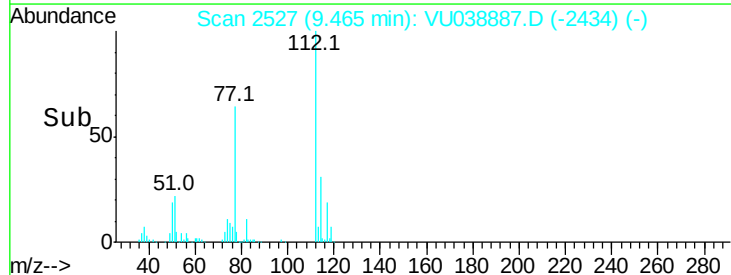
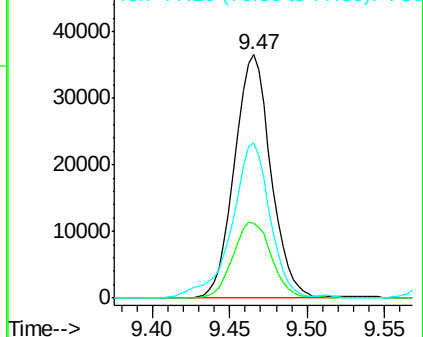


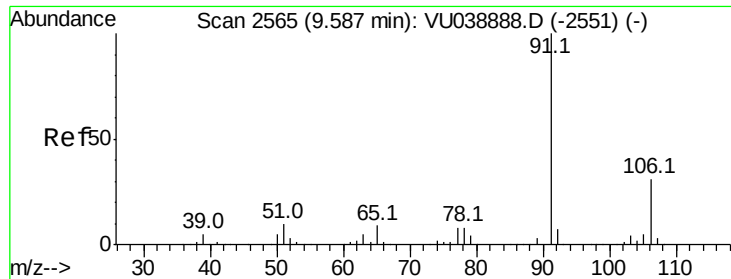
#51
Chlorobenzene
Concen: 0.951 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. 0.00 min
Lab File: VU038887.D
Acq: 15 Jun 2020 12:35

Tgt Ion:112 Resp: 59914
Ion Ratio Lower Upper
112 100
114 30.8 21.8 40.4
77 63.6 48.3 72.5



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: 0.977 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. 0.00 min

Lab File: VU038887.D

Acq: 15 Jun 2020 12:35

Instrument :

MSVOA_U

ClientSampleId :

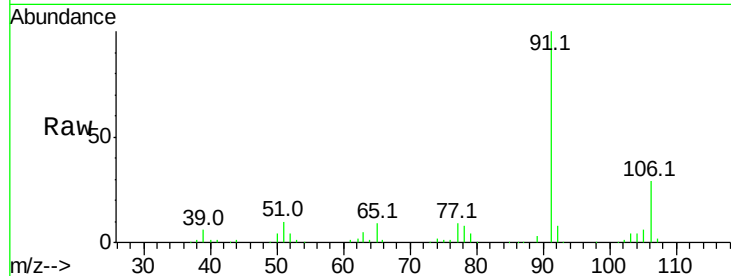
VSTD00104

Tgt Ion: 91 Resp: 105225

Ion Ratio Lower Upper

91 100

106 29.3 22.0 40.8

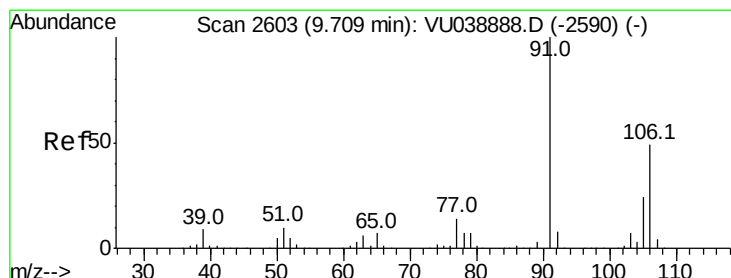
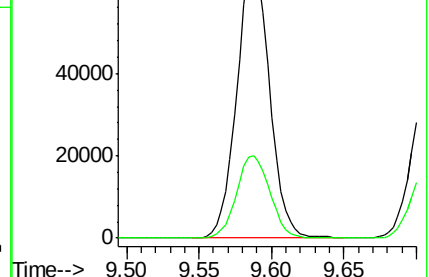
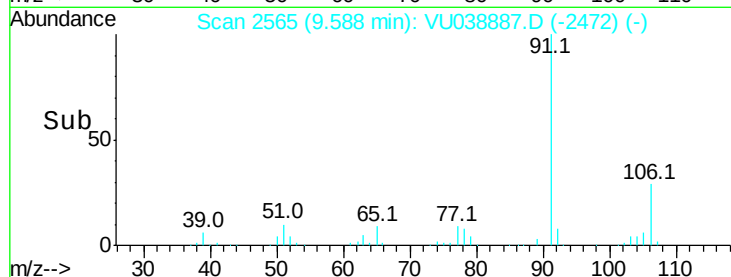


Abundance Ion 91.15 (90.85 to 91.85): VU038887.D (-2551) (-)

Ion 106.15 (105.85 to 106.85): VU038887.D (-2551) (-)

9.59

Time-->



#53

m,p-Xylene

Concen: 0.872 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VU038887.D

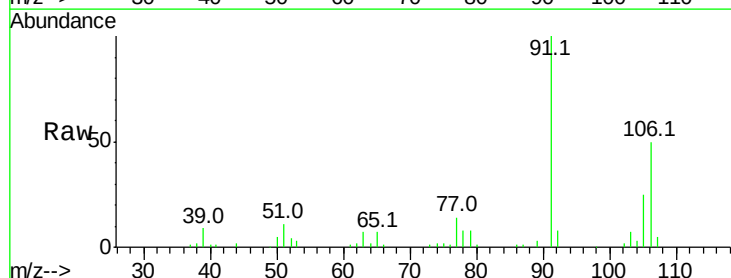
Acq: 15 Jun 2020 12:35

Tgt Ion: 106 Resp: 35513

Ion Ratio Lower Upper

106 100

91 201.7 143.1 265.7

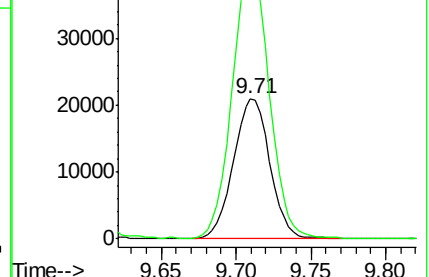
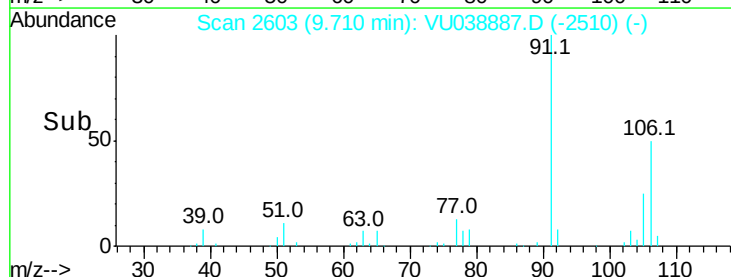


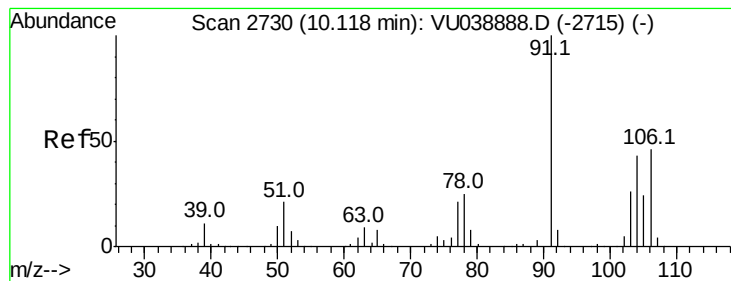
Abundance Ion 106.15 (105.85 to 106.85): VU038887.D (-2590) (-)

Ion 91.15 (90.85 to 91.85): VU038887.D (-2590) (-)

9.71

Time-->





#54

o-Xylene

Concen: 0.865 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VU038887.D

Acq: 15 Jun 2020 12:35

Instrument :

MSVOA_U

ClientSampleId :

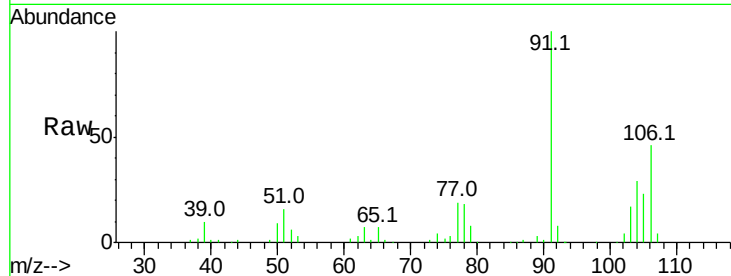
VSTD00104

Tgt Ion:106 Resp: 33830

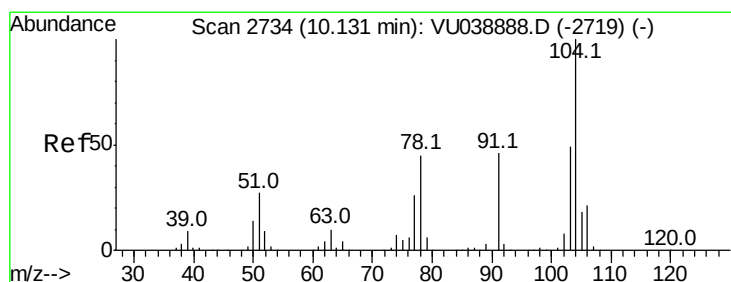
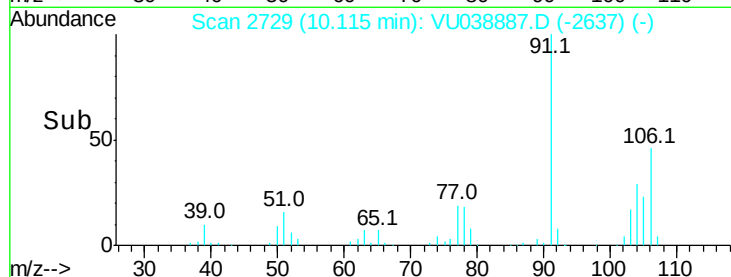
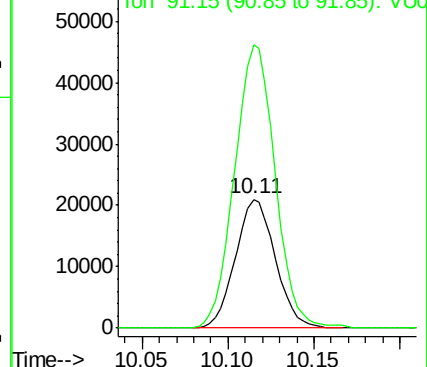
Ion Ratio Lower Upper

106 100

91 219.3 152.0 282.4



Abundance Ion 106.15 (105.85 to 106.85): V



#55

Styrene

Concen: 0.849 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VU038887.D

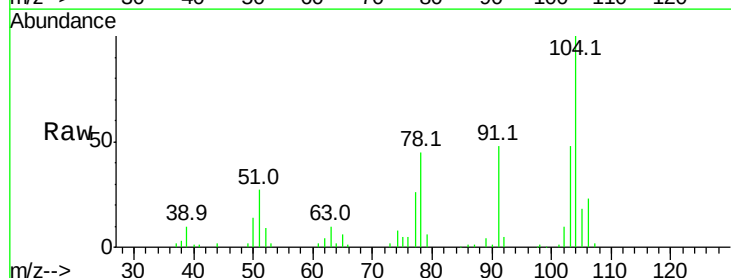
Acq: 15 Jun 2020 12:35

Tgt Ion:104 Resp: 57137

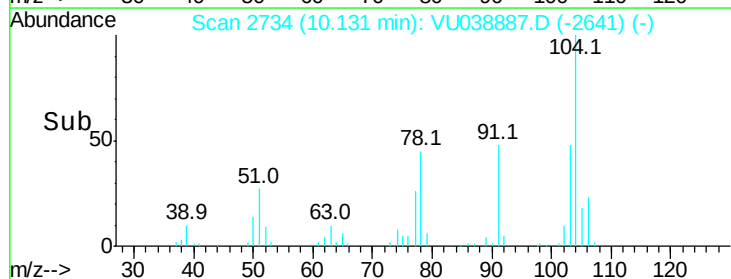
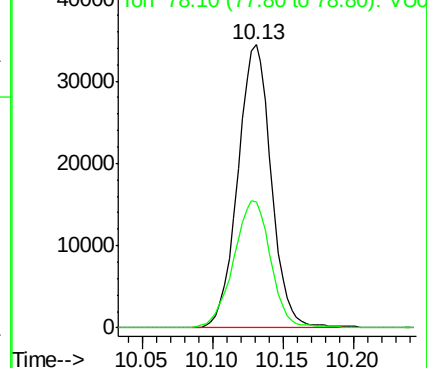
Ion Ratio Lower Upper

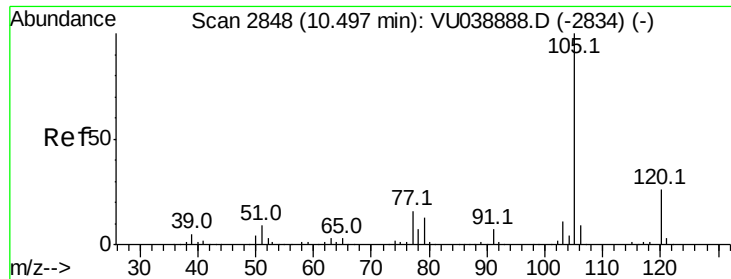
104 100

78 44.6 31.8 59.0



Abundance Ion 104.10 (103.80 to 104.80): V





#56

Isopropylbenzene

Concen: 0.892 ug/L

RT: 10.50 min Scan# 2848

Delta R.T. 0.00 min

Lab File: VU038887.D

Acq: 15 Jun 2020 12:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD00104

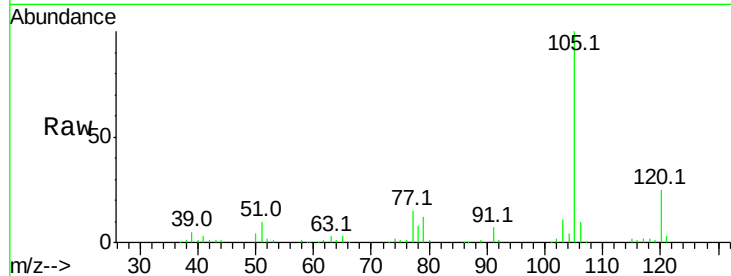
Tgt Ion: 105 Resp: 93213

Ion Ratio Lower Upper

105 100

120 25.1 20.6 30.8

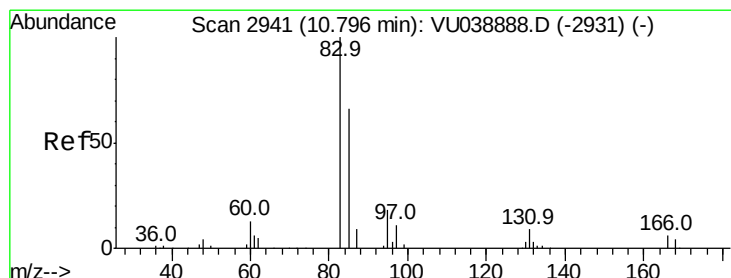
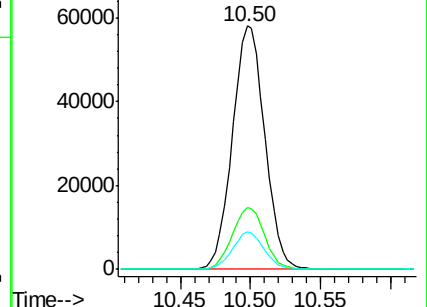
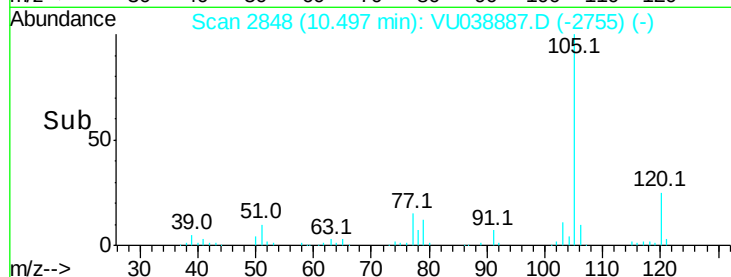
77 14.9 12.6 19.0



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: 1.073 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. 0.00 min

Lab File: VU038887.D

Acq: 15 Jun 2020 12:35

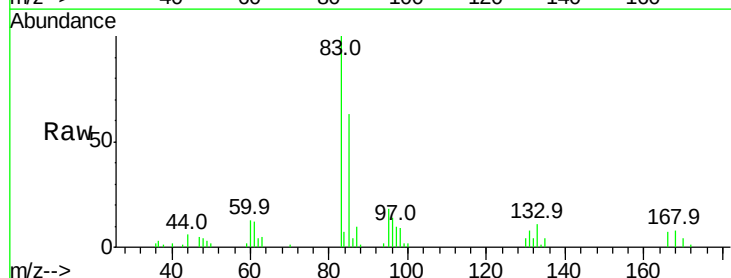
Tgt Ion: 83 Resp: 23755

Ion Ratio Lower Upper

83 100

85 63.1 46.3 85.9

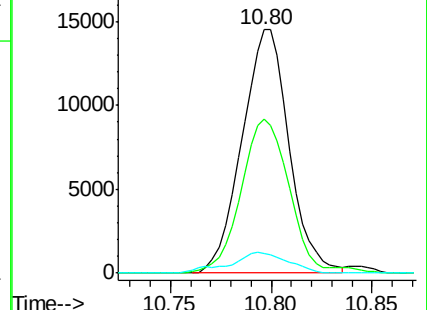
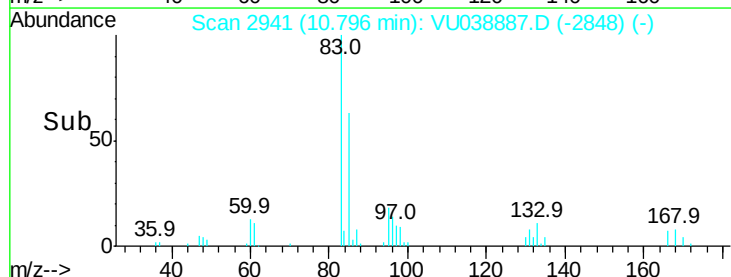
131 8.2 8.3 12.5#

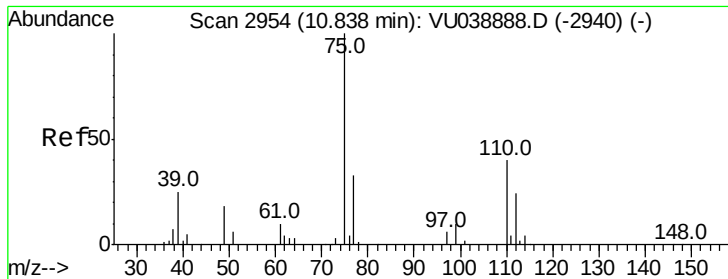


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.999 ug/L

RT: 10.84 min Scan# 2953

Delta R.T. -0.00 min

Lab File: VU038887.D

Acq: 15 Jun 2020 12:35

Instrument :

MSVOA_U

ClientSampleId :

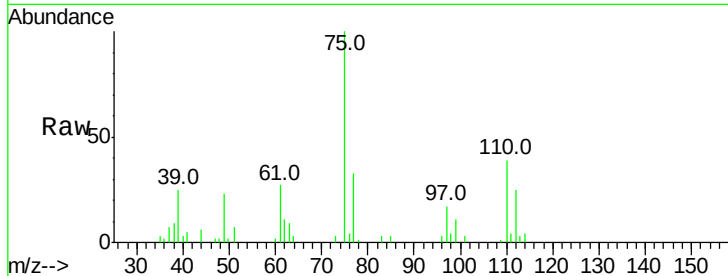
VSTD00104

Tgt Ion: 75 Resp: 17300

Ion Ratio Lower Upper

75 100

77 33.7 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VU038887.D (-2940) (-)

Ion 77.00 (76.70 to 77.70): VU038887.D (-2940) (-)

10.84

12000

10000

8000

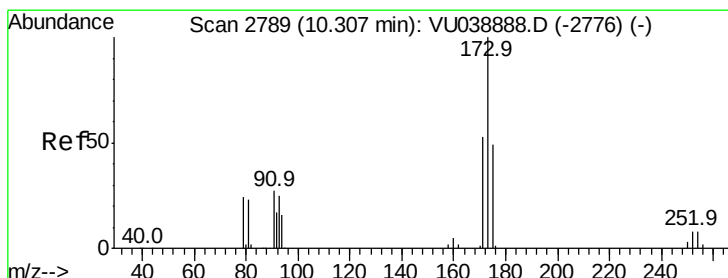
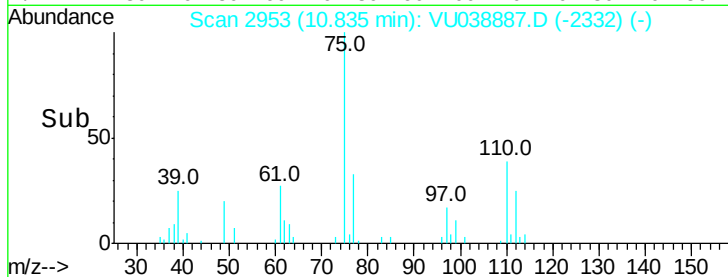
6000

4000

2000

0

Time-->



#61

Bromoform

Concen: 1.004 ug/L

RT: 10.31 min Scan# 2789

Delta R.T. 0.00 min

Lab File: VU038887.D

Acq: 15 Jun 2020 12:35

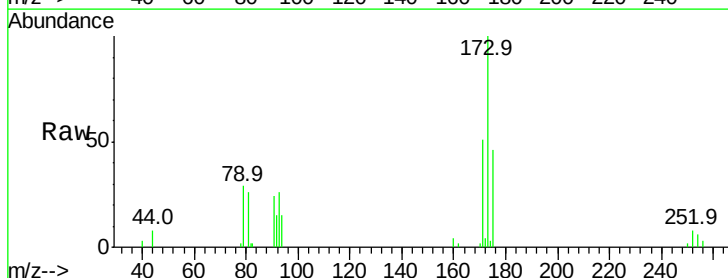
Tgt Ion: 173 Resp: 11134

Ion Ratio Lower Upper

173 100

175 46.3 39.0 58.4

254 6.6 6.0 9.0



Abundance Ion 172.90 (172.60 to 173.60): VU038887.D (-2776) (-)

Ion 174.90 (174.60 to 175.60): VU038887.D (-2776) (-)

Ion 253.75 (253.45 to 254.45): VU038887.D (-2776) (-)

10.31

8000

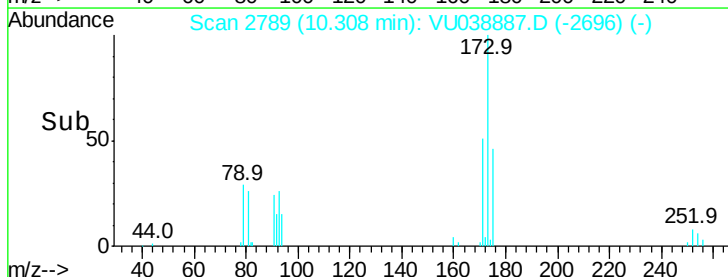
6000

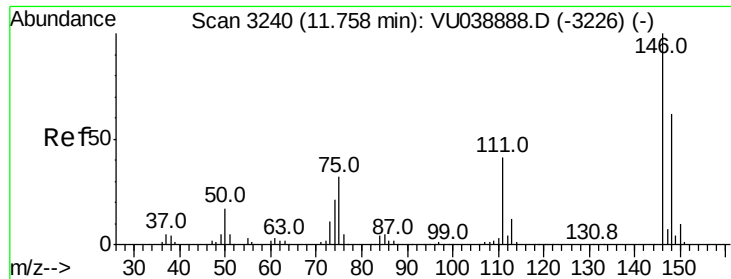
4000

2000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 0.959 ug/L

RT: 11.76 min Scan# 3240

Delta R.T. 0.00 min

Lab File: VU038887.D

Acq: 15 Jun 2020 12:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD00104

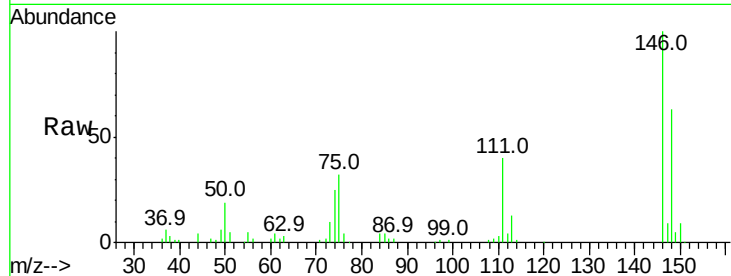
Tgt Ion:146 Resp: 47654

Ion Ratio Lower Upper

146 100

111 39.6 29.0 53.8

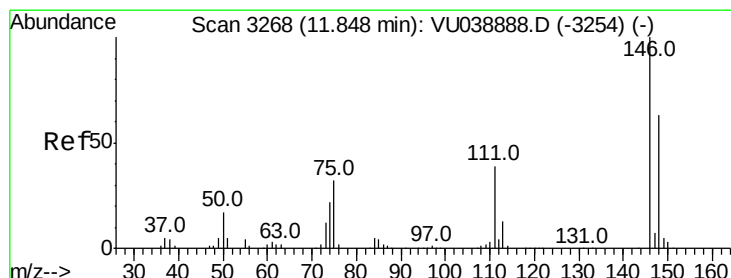
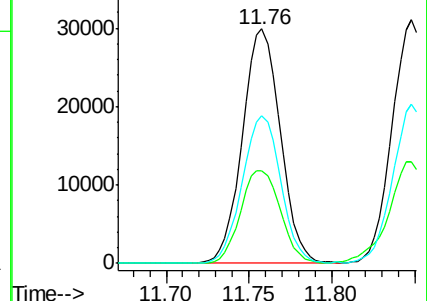
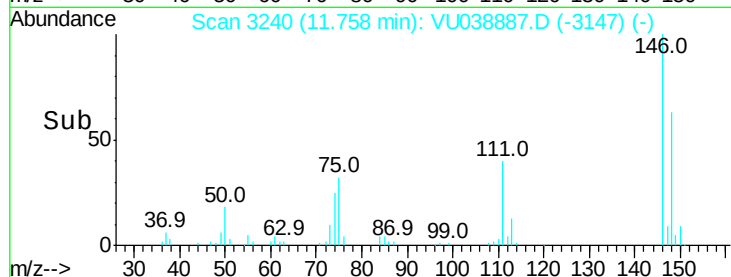
148 62.8 43.7 81.1



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 0.951 ug/L

RT: 11.85 min Scan# 3268

Delta R.T. 0.00 min

Lab File: VU038887.D

Acq: 15 Jun 2020 12:35

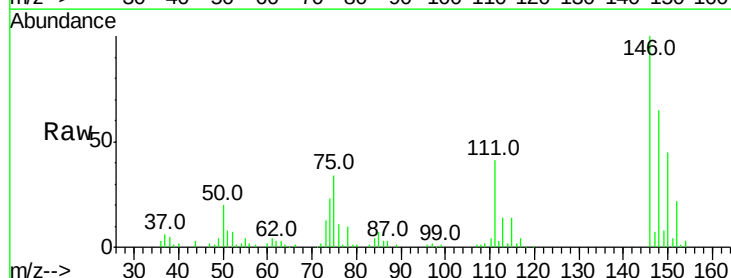
Tgt Ion:146 Resp: 48228

Ion Ratio Lower Upper

146 100

111 41.4 27.7 51.5

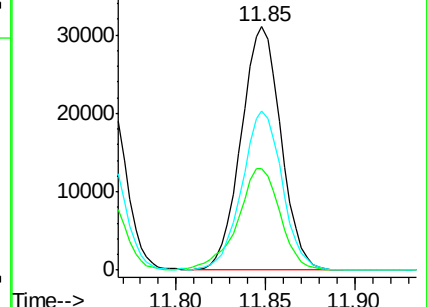
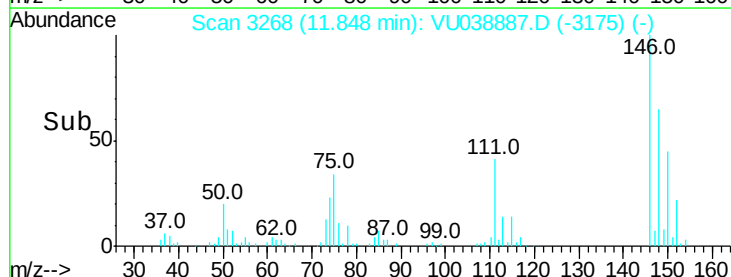
148 65.5 44.1 81.9

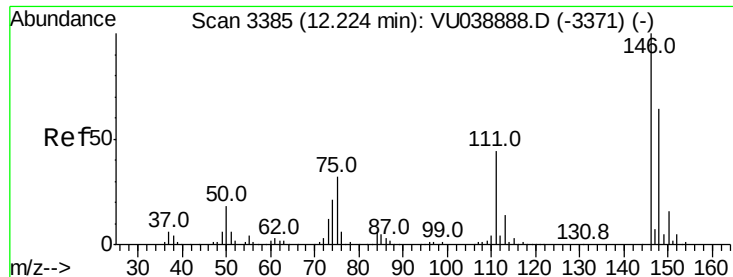


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

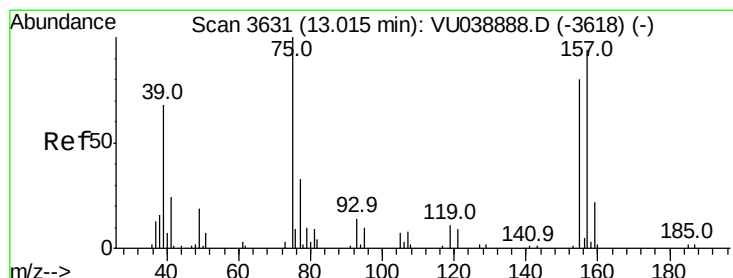
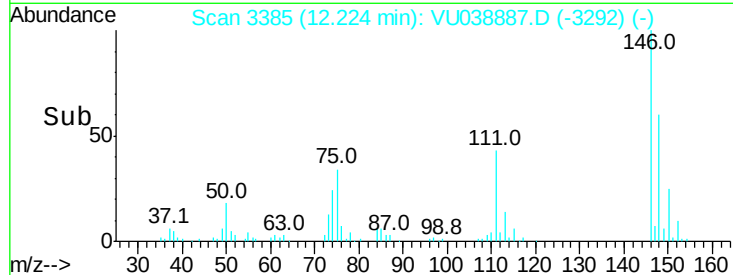
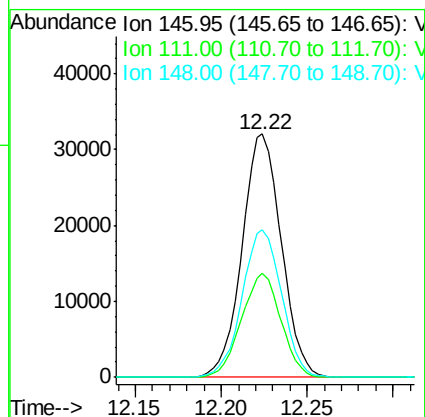
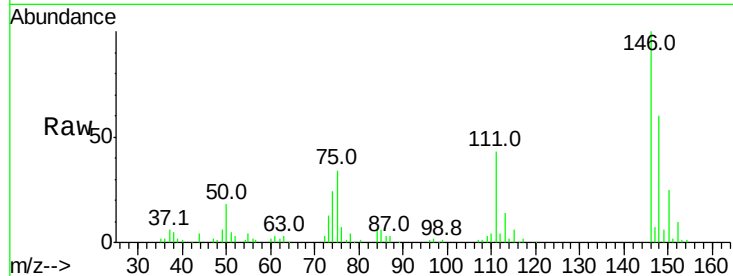




#65
 1,2-Dichlorobenzene
 Concen: 1.088 ug/L
 RT: 12.22 min Scan# 3385
 Delta R.T. 0.00 min
 Lab File: VU038887.D
 Acq: 15 Jun 2020 12:35

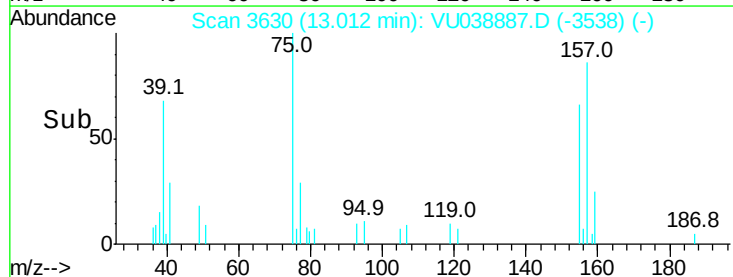
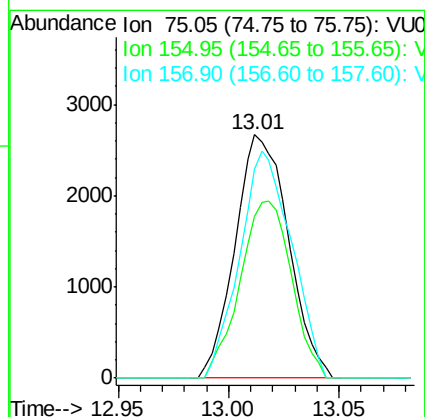
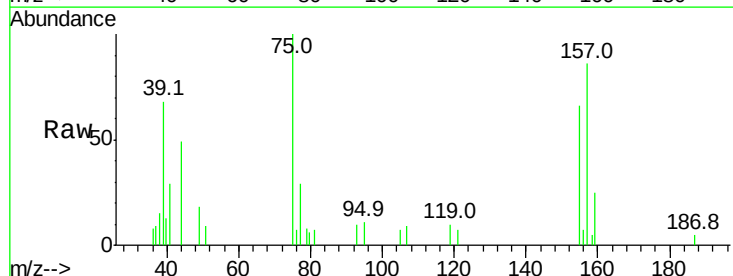
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00104

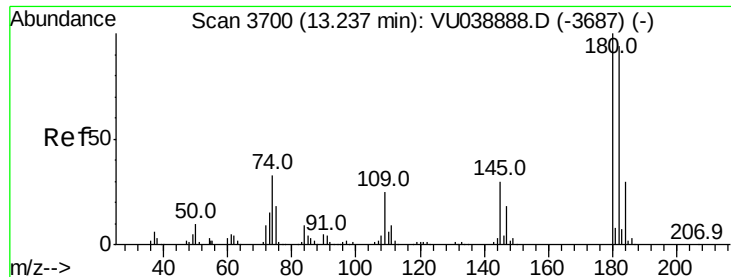
Tgt Ion:146 Resp: 50890
 Ion Ratio Lower Upper
 146 100
 111 42.6 35.1 52.7
 148 60.5 51.4 77.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.179 ug/L
 RT: 13.01 min Scan# 3630
 Delta R.T. -0.00 min
 Lab File: VU038887.D
 Acq: 15 Jun 2020 12:35

Tgt Ion: 75 Resp: 4473
 Ion Ratio Lower Upper
 75 100
 155 66.5 64.0 96.0
 157 86.0 75.4 113.2

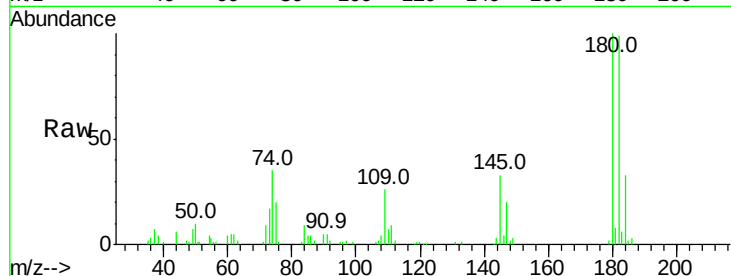




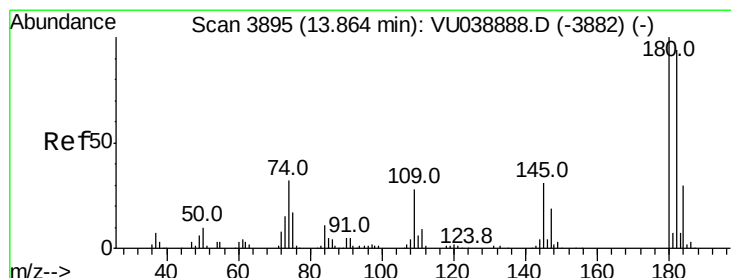
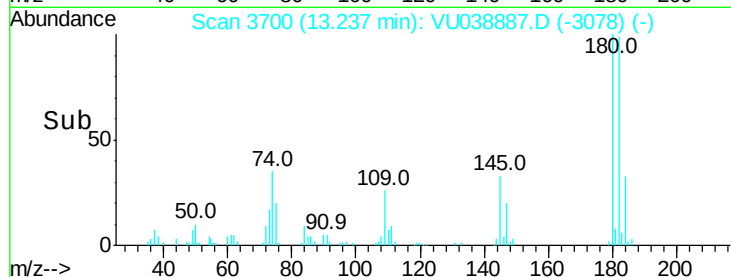
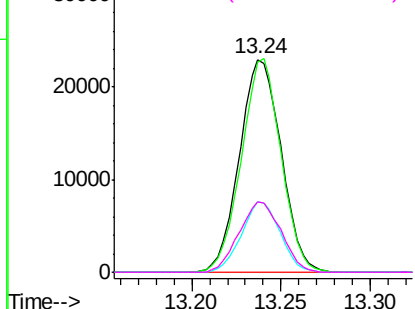
#67
 1,3,5-Trichlorobenzene
 Concen: 1.032 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. 0.00 min
 Lab File: VU038887.D
 Acq: 15 Jun 2020 12:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00104

Tgt Ion:180 Resp: 37568
 Ion Ratio Lower Upper
 180 100
 182 95.4 75.8 113.6
 184 30.7 24.6 36.8
 145 32.9 25.0 37.6

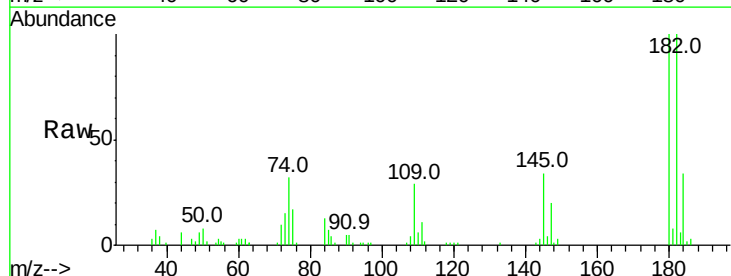


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

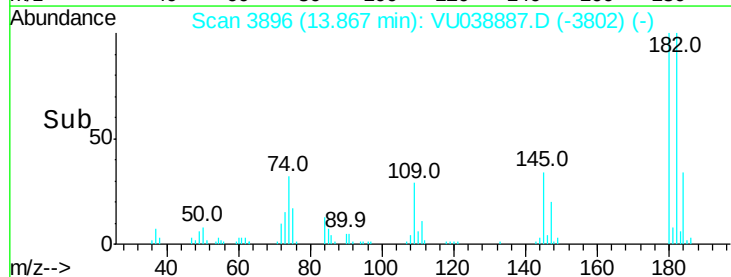
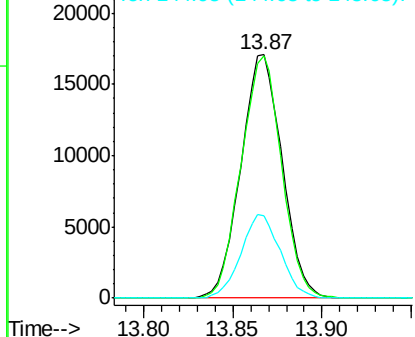


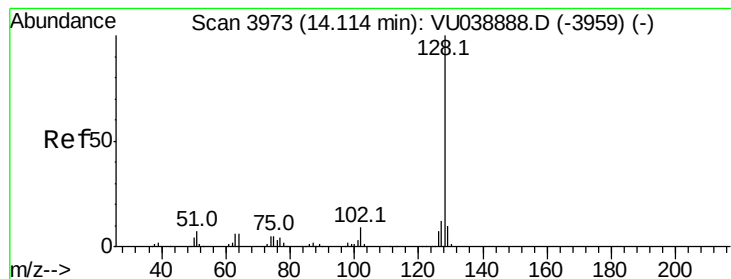
#68
 1,2,4-trichlorobenzene
 Concen: 0.860 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. 0.00 min
 Lab File: VU038887.D
 Acq: 15 Jun 2020 12:35

Tgt Ion:180 Resp: 27707
 Ion Ratio Lower Upper
 180 100
 182 97.4 75.9 113.9
 145 32.5 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: 0.773 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. 0.00 min

Lab File: VU038887.D

Acq: 15 Jun 2020 12:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD00104

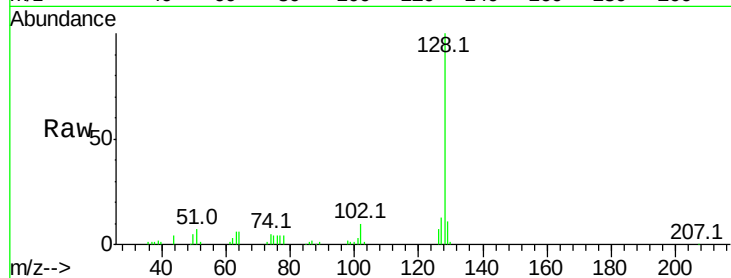
Tgt Ion:128 Resp: 47312

Ion Ratio Lower Upper

128 100

129 10.9 8.2 12.4

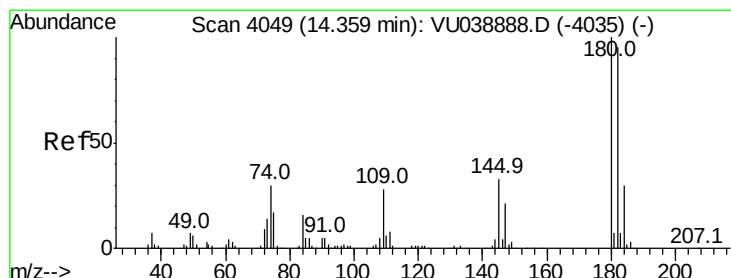
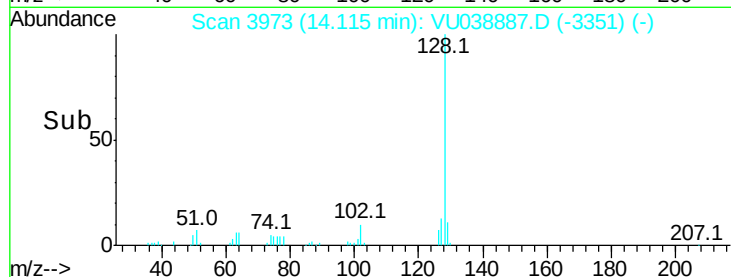
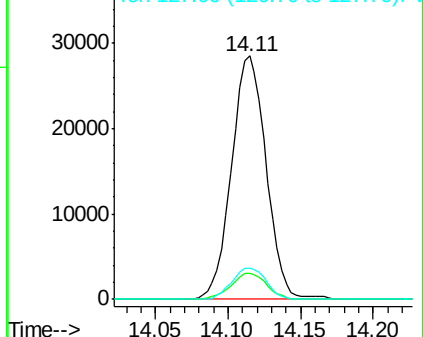
127 12.6 10.1 15.1



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: 0.883 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. 0.00 min

Lab File: VU038887.D

Acq: 15 Jun 2020 12:35

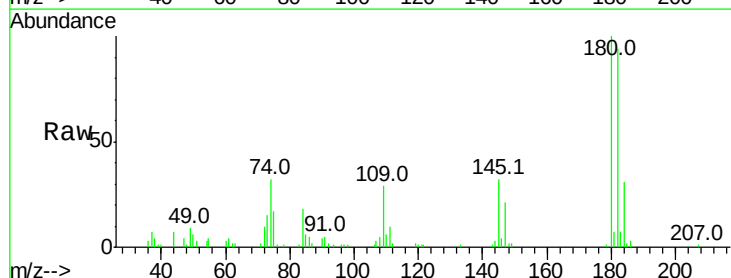
Tgt Ion:180 Resp: 26026

Ion Ratio Lower Upper

180 100

182 94.6 75.1 112.7

145 32.7 26.8 40.2



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

