

Data File : VU037858.D
Acq On : 23 Apr 2020 12:15
Operator : JC/MD
Sample : VSTD005
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00533

Quant Time: Apr 23 13:35:01 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042320WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 23 13:33:23 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	466445	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	458213	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	224802	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	27091	6.50	ug/L	0.00
7) Chloroethane-d5	1.93	69	21467	6.31	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	47508	6.74	ug/L	0.00
21) 2-Butanone-d5	4.67	46	41205	12.11	ug/L	0.00
24) Chloroform-d	5.10	84	42028	6.25	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	30207	6.51	ug/L	0.00
32) Benzene-d6	5.76	84	88764	6.25	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	29314	6.14	ug/L	0.00
41) Toluene-d8	7.92	98	81800	6.30	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	14725	6.10	ug/L	0.00
47) 2-Hexanone-d5	8.65	63	29606	11.86	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	37637	5.73	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	30501	6.43	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.40	85	33633	8.178 ug/L	98
3) Chloromethane	1.54	50	35018	8.536 ug/L	94
5) Vinyl chloride	1.62	62	38413	7.996 ug/L	98
6) Bromomethane	1.87	94	15309	8.248 ug/L	88
8) Chloroethane	1.95	64	22881	8.111 ug/L	100
9) Trichlorofluoromethane	2.16	101	42049	7.915 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	24794	8.015 ug/L	98
12) 1,1-Dichloroethene	2.61	96	24524	8.041 ug/L	85
13) Acetone	2.65	43	34638	15.301 ug/L	97
14) Carbon disulfide	2.82	76	86200	8.474 ug/L	99
15) Methyl Acetate	2.98	43	38807	7.693 ug/L	100
16) Methylene chloride	3.08	84	29109	7.950 ug/L	98
17) trans-1,2-Dichloroethene	3.38	96	27894	8.287 ug/L	88
18) Methyl tert-butyl Ether	3.40	73	91694	7.653 ug/L	99
19) 1,1-Dichloroethane	3.91	63	54982	7.867 ug/L	95
20) cis-1,2-Dichloroethene	4.71	96	29861	7.938 ug/L	98
22) 2-Butanone	4.74	43	55528	14.927 ug/L	99
23) Bromochloromethane	5.02	128	14284	7.906 ug/L	91
25) Chloroform	5.13	83	51498	7.870 ug/L	97
27) 1,2-Dichloroethane	5.83	62	45028	7.982 ug/L	99
29) Cyclohexane	5.42	56	54541	7.922 ug/L	99
30) 1,1,1-Trichloroethane	5.35	97	43129	7.681 ug/L	99
31) Carbon tetrachloride	5.56	117	34809	7.706 ug/L	99
33) Benzene	5.81	78	117796	7.843 ug/L	100
34) Trichloroethene	6.57	95	29044	7.834 ug/L	99
35) Methylcyclohexane	6.79	83	51104	7.895 ug/L	99
37) 1,2-Dichloropropane	6.82	63	32693	7.707 ug/L	99
38) Bromodichloromethane	7.13	83	38231	7.489 ug/L	98
39) cis-1,3-Dichloropropene	7.63	75	51238	7.668 ug/L	98
40) 4-Methyl-2-pentanone	7.82	43	107470	14.850 ug/L	98

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Instrument :
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ClientSampleId :
VSTD00533

Quant Time: Apr 23 13:35:01 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042320WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 23 13:33:23 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	123923	7.792	ug/L	98
44) trans-1,3-Dichloropropene	8.23	75	48430	7.541	ug/L	97
45) 1,1,2-Trichloroethane	8.42	97	28518	7.780	ug/L	97
46) Tetrachloroethene	8.57	164	21232	7.972	ug/L	98
48) 2-Hexanone	8.71	43	87208	15.190	ug/L	99
49) Dibromochloromethane	8.83	129	28416	7.446	ug/L	99
50) 1,2-Dibromoethane	8.95	107	30524	7.758	ug/L	99
51) Chlorobenzene	9.47	112	75837	7.635	ug/L	99
52) Ethylbenzene	9.59	91	136436	7.649	ug/L	98
53) m,p-Xylene	9.71	106	51148	7.562	ug/L	100
54) o-xylene	10.12	106	49681	7.558	ug/L	97
55) Styrene	10.13	104	84652	7.431	ug/L	98
56) Isopropylbenzene	10.50	105	131188	7.511	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.80	83	47558	7.281	ug/L	97
59) 1,2,3-Trichloropropane	10.84	75	42348	7.490	ug/L	100
61) Bromoform	10.31	173	20454	7.265	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	60180	7.914	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	60247	7.847	ug/L	97
65) 1,2-Dichlorobenzene	12.23	146	58220	7.761	ug/L	97
66) 1,2-Dibromo-3-chloropropan	13.02	75	12350	7.533	ug/L	92
67) 1,3,5-Trichlorobenzene	13.24	180	42475	7.695	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	39597	7.541	ug/L	98
69) Naphthalene	14.12	128	135131	7.306	ug/L	98
70) 1,2,3-Trichlorobenzene	14.37	180	39380	7.536	ug/L	99

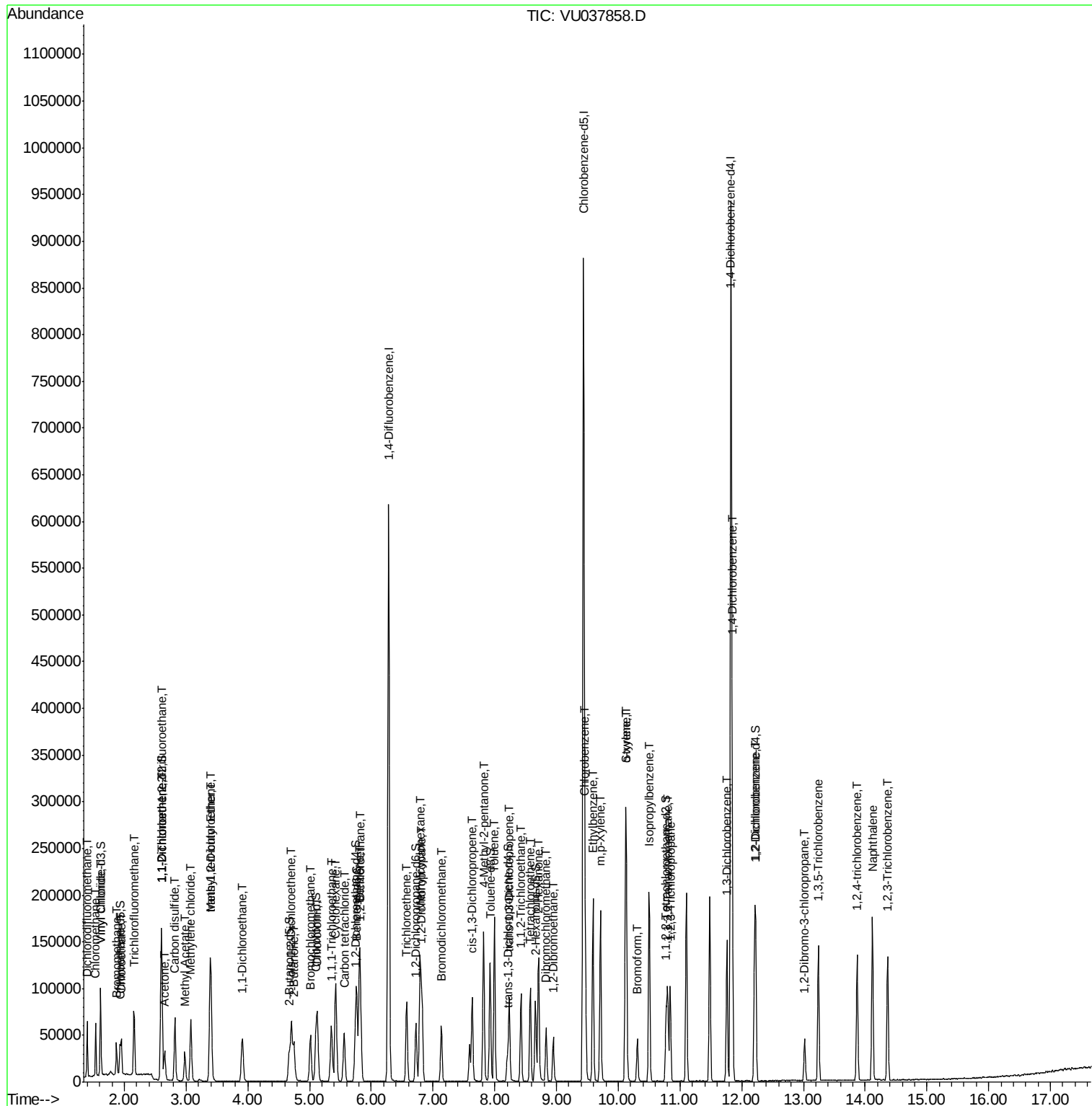
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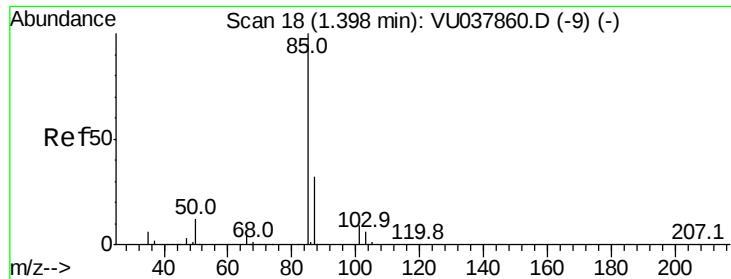
Data File : VU037858.D

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Acq On       : 23 Apr 2020   12:15
Operator    : JC/MD
Sample      : VSTD005
Misc        : 5.0mL/MSV0A_U/WATER
ALS Vial     : 1      Sample Multiplier: 1
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Instrument :
MSVOA_U
ClientSampleId :
VSTD00533

Quant Time: Apr 23 13:35:01 2020
Quant Method : Z:\V\OASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042320WMA.M
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#2

Dichlorodifluoromethane

Concen: 8.178 ug/L

RT: 1.40 min Scan# 18

Delta R.T. -0.00 min

Lab File: VU037858.D

Acq: 23 Apr 2020 12:15

Instrument :

MSVOA_U

ClientSampleId :

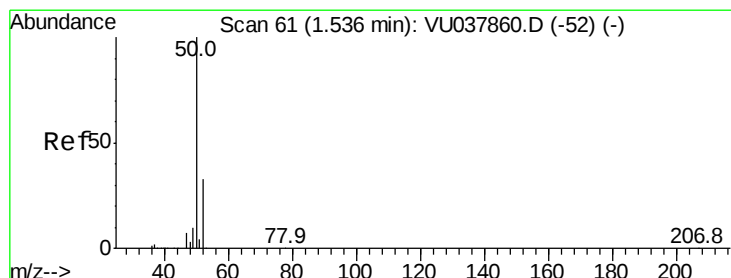
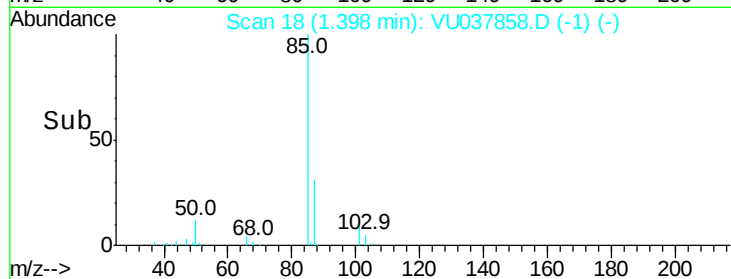
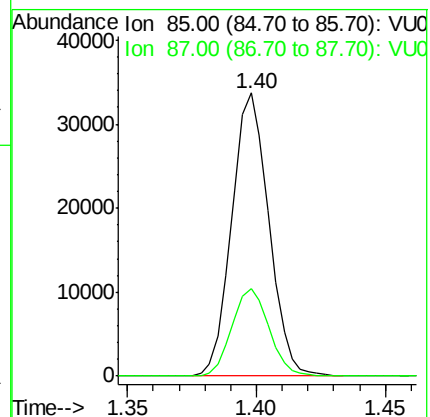
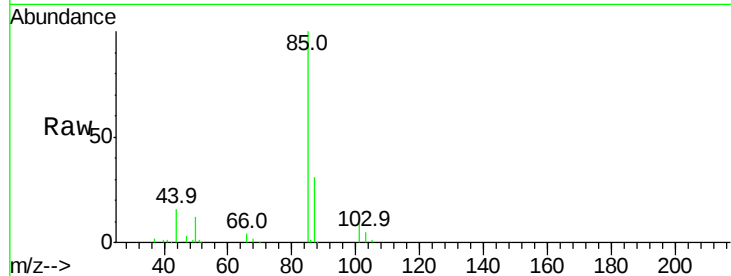
VSTD00533

Tgt Ion: 85 Resp: 33633

Ion Ratio Lower Upper

85 100

87 31.0 25.8 38.6



#3

Chloromethane

Concen: 8.536 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU037858.D

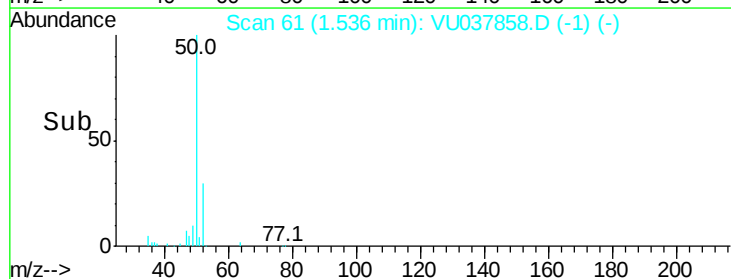
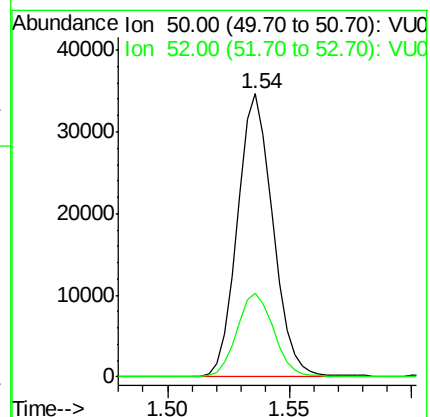
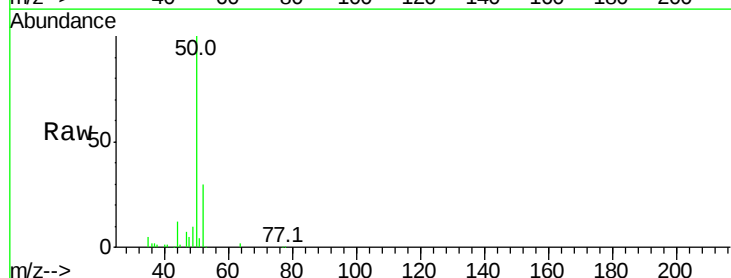
Acq: 23 Apr 2020 12:15

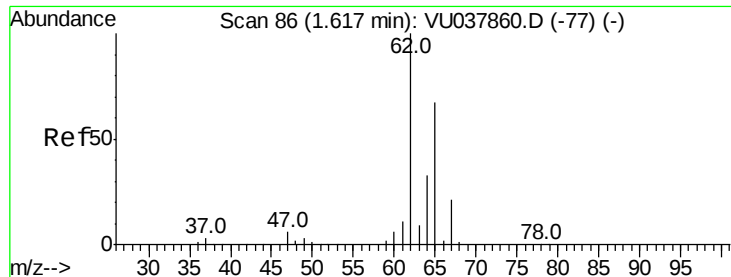
Tgt Ion: 50 Resp: 35018

Ion Ratio Lower Upper

50 100

52 29.8 23.1 42.9





#5

Vinyl chloride

Concen: 7.996 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU037858.D

Acq: 23 Apr 2020 12:15

Instrument :

MSVOA_U

ClientSampleId :

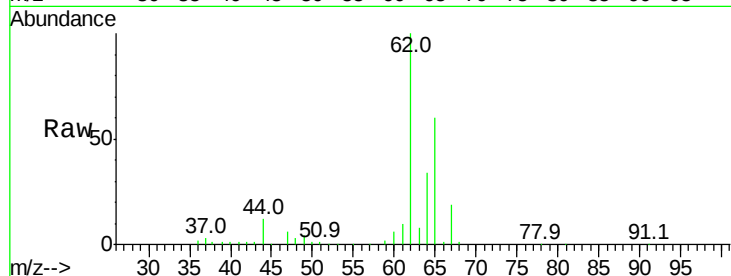
VSTD00533

Tgt Ion: 62 Resp: 38413

Ion Ratio Lower Upper

62 100

64 34.0 23.2 43.0



Abundance Ion 62.00 (61.70 to 62.70): VU037860.D (-77) (-)

Ion 64.00 (63.70 to 64.70): VU037860.D (-77) (-)

1.62

40000

30000

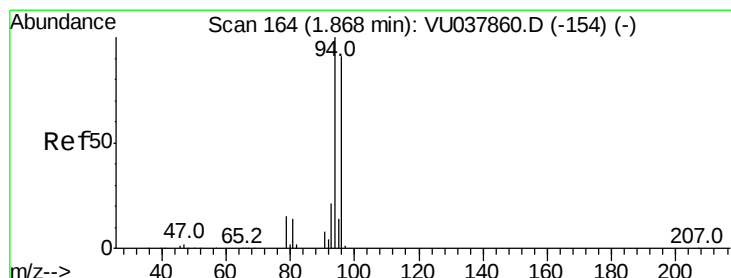
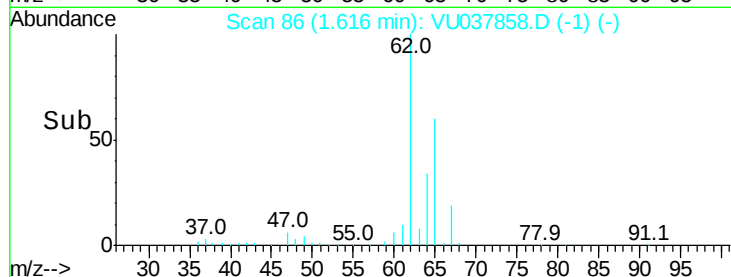
20000

10000

0

1.60 1.65

Time-->



#6

Bromomethane

Concen: 8.248 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.01 min

Lab File: VU037858.D

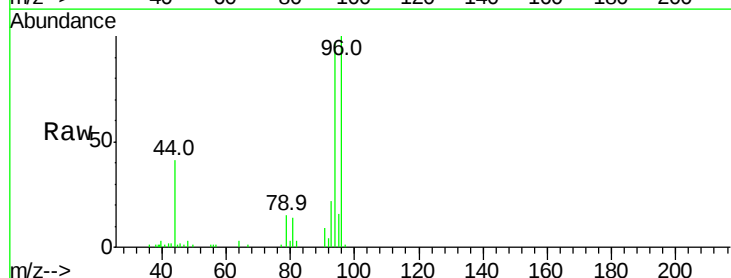
Acq: 23 Apr 2020 12:15

Tgt Ion: 94 Resp: 15309

Ion Ratio Lower Upper

94 100

96 102.8 63.9 118.7



Abundance Ion 94.00 (93.70 to 94.70): VU037860.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU037860.D (-154) (-)

1.87

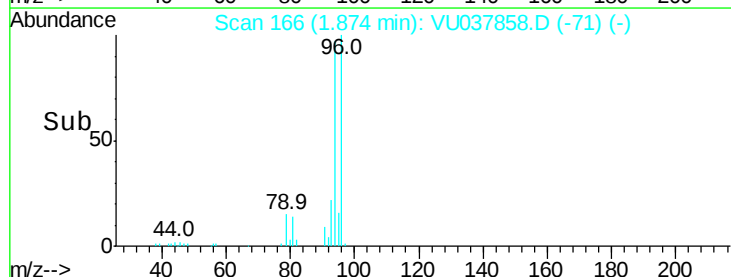
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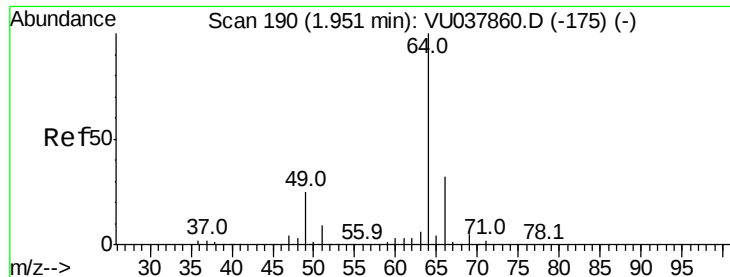
5000

0

1.85 1.90

Time-->

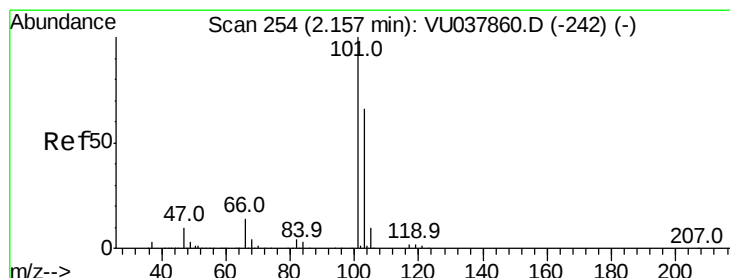
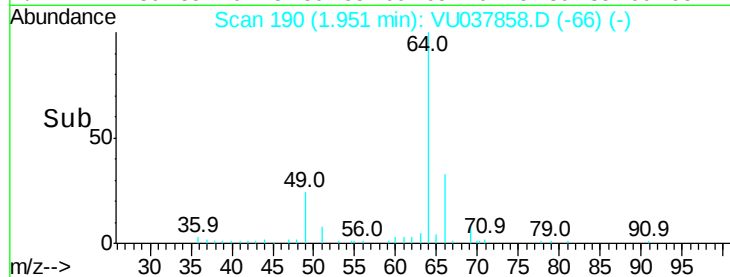
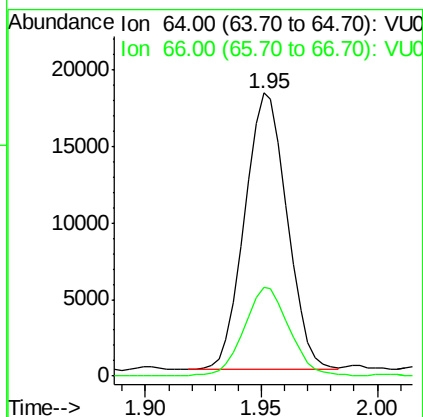
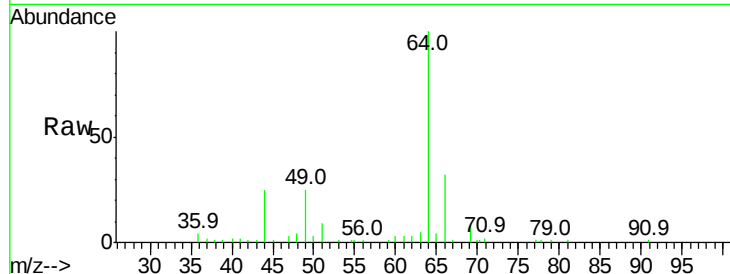




#8
Chloroethane
Concen: 8.111 ug/L
RT: 1.95 min Scan# 190
Delta R.T. -0.00 min
Lab File: VU037858.D
Acq: 23 Apr 2020 12:15

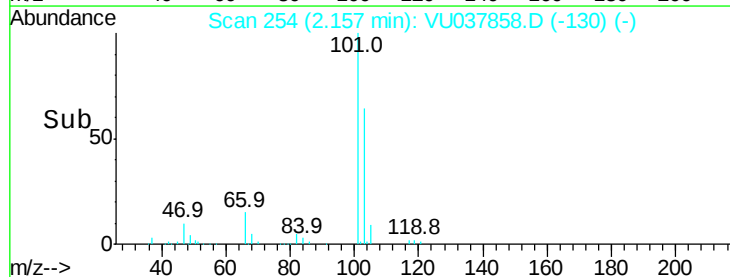
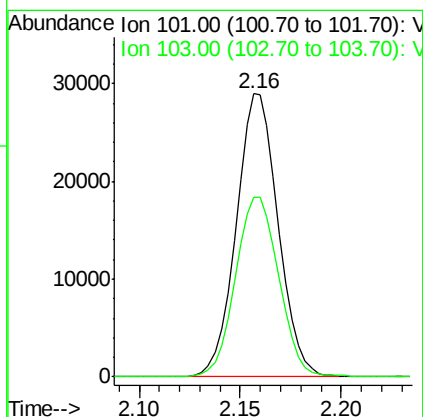
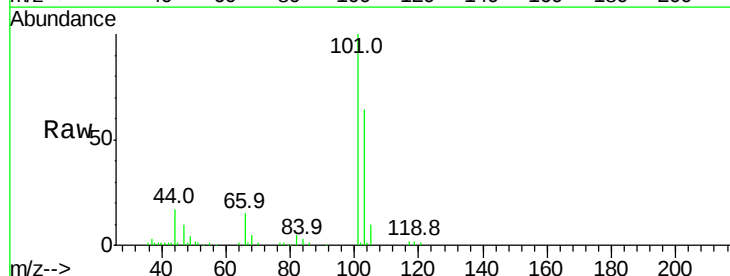
Instrument :
MSVOA_U
ClientSampleId :
VSTD00533

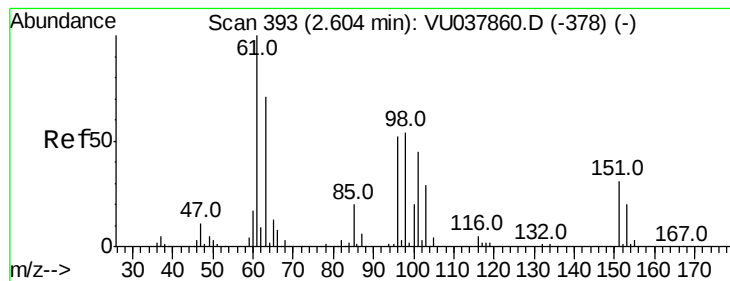
Tgt Ion: 64 Resp: 22881
Ion Ratio Lower Upper
64 100
66 31.6 22.3 41.3



#9
Trichlorofluoromethane
Concen: 7.915 ug/L
RT: 2.16 min Scan# 254
Delta R.T. -0.00 min
Lab File: VU037858.D
Acq: 23 Apr 2020 12:15

Tgt Ion: 101 Resp: 42049
Ion Ratio Lower Upper
101 100
103 65.8 52.2 78.4





#10

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

Concen: 8.015 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU037858.D

Acq: 23 Apr 2020 12:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD00533

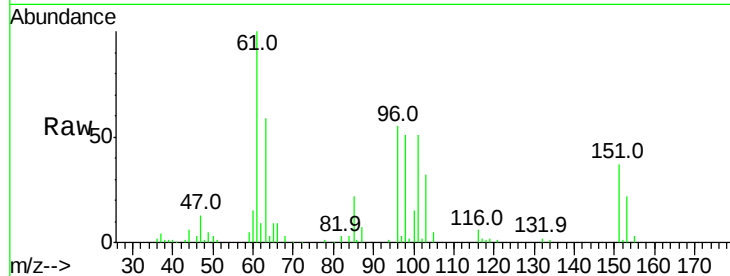
Tgt Ion:101 Resp: 24794

Ion Ratio Lower Upper

101 100

85 44.1 36.2 54.4

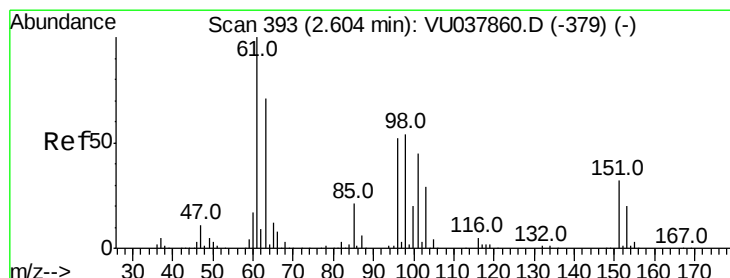
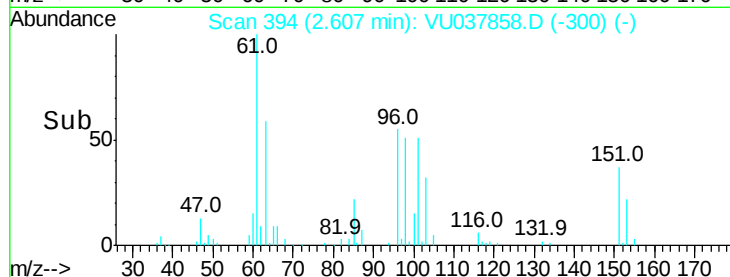
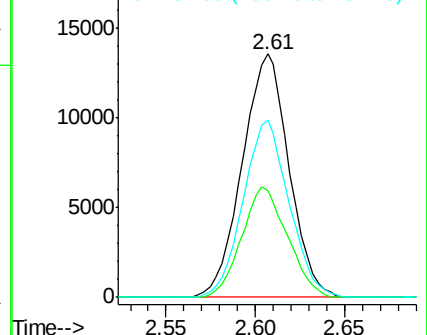
151 71.4 55.5 83.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 8.041 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU037858.D

Acq: 23 Apr 2020 12:15

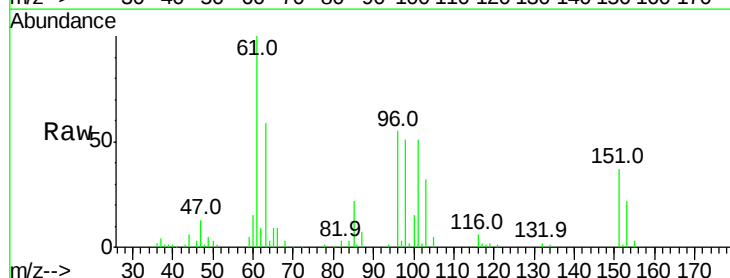
Tgt Ion: 96 Resp: 24524

Ion Ratio Lower Upper

96 100

61 181.2 134.1 249.0

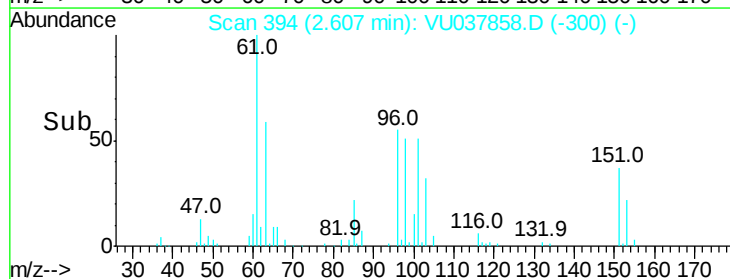
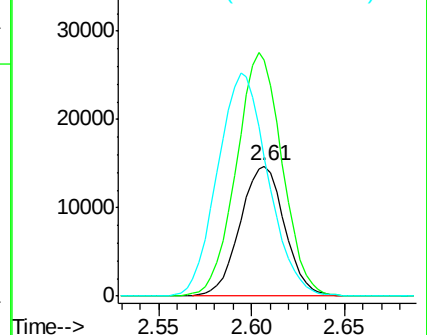
63 106.1 96.5 179.1

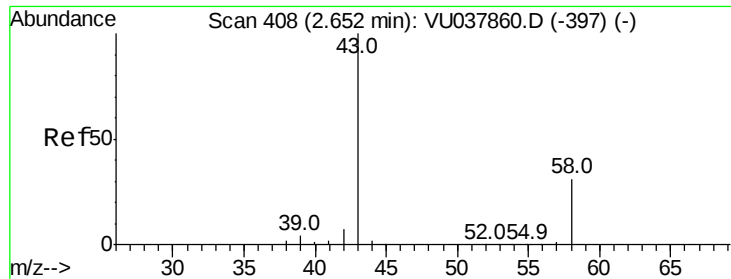


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 15.301 ug/L

RT: 2.65 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU037858.D

Acq: 23 Apr 2020 12:15

Instrument :

MSVOA_U

ClientSampleId :

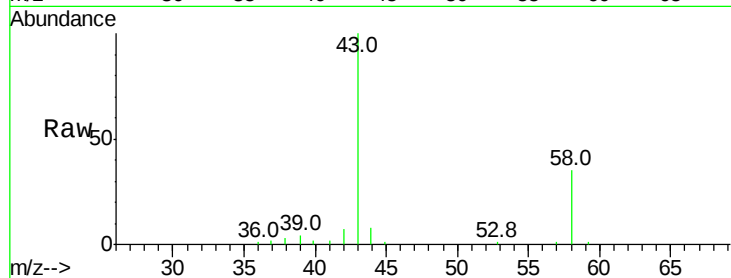
VSTD00533

Tgt Ion: 43 Resp: 34638

Ion Ratio Lower Upper

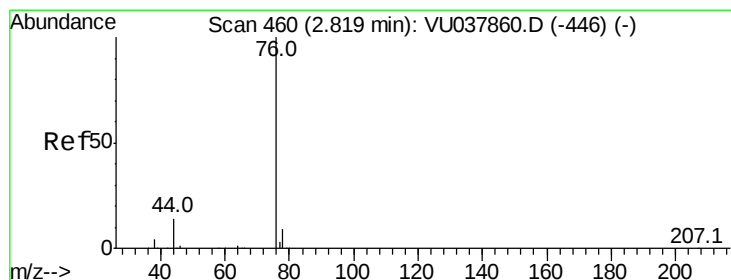
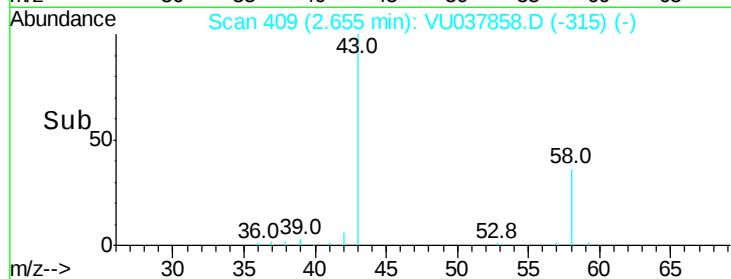
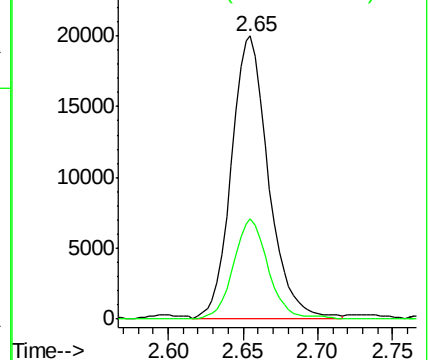
43 100

58 32.7 0.0 62.0



Abundance Ion 43.00 (42.70 to 43.70): VU037860.D (-397) (-)

Ion 58.00 (57.70 to 58.70): VU037860.D (-397) (-)



#14

Carbon disulfide

Concen: 8.474 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU037858.D

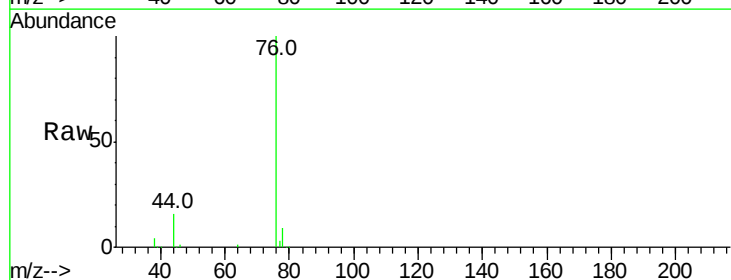
Acq: 23 Apr 2020 12:15

Tgt Ion: 76 Resp: 86200

Ion Ratio Lower Upper

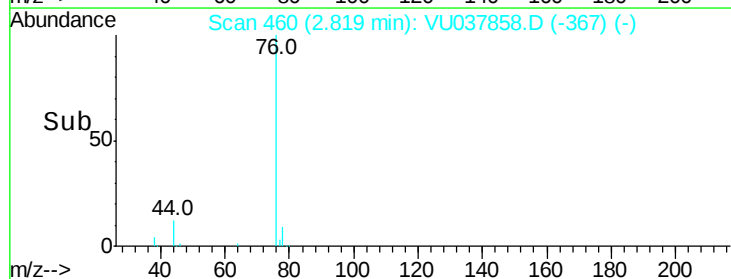
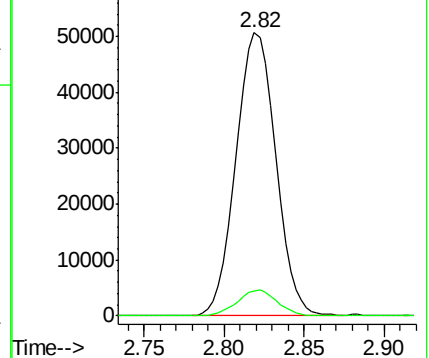
76 100

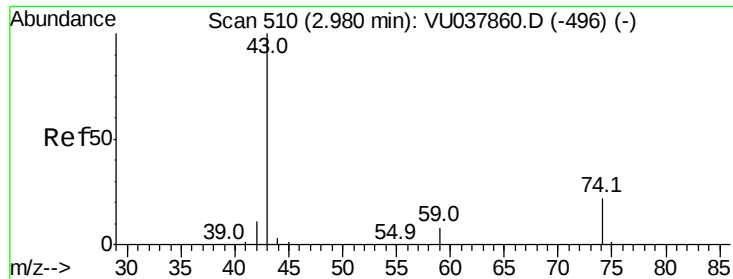
78 8.9 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU037860.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU037860.D (-446) (-)

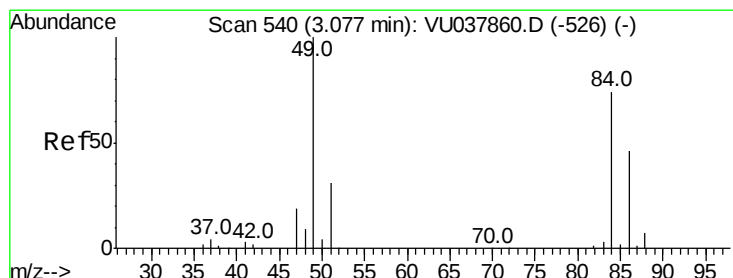
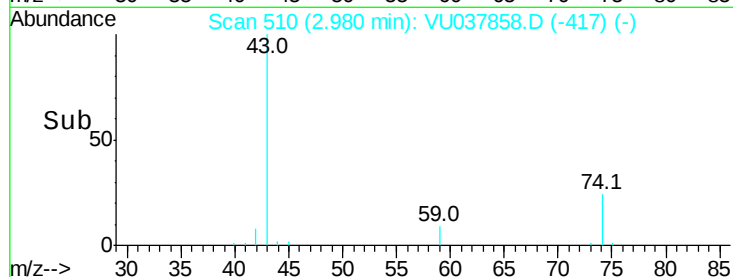
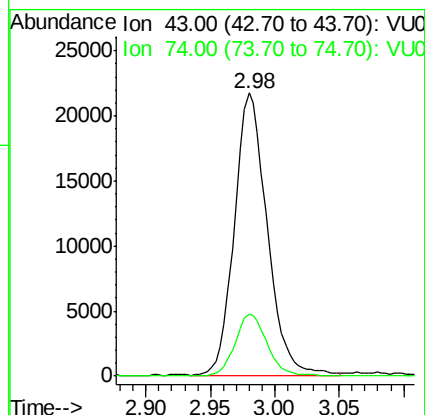
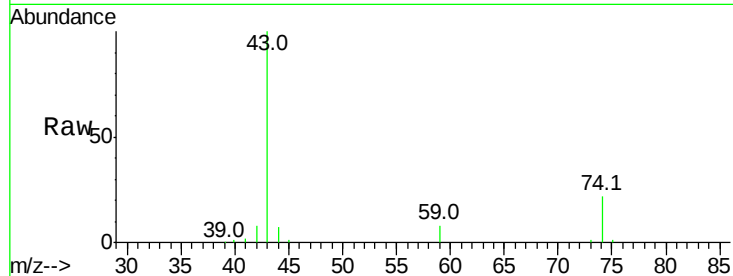




#15
Methyl Acetate
Concen: 7.693 ug/L
RT: 2.98 min Scan# 510
Delta R.T. -0.00 min
Lab File: VU037858.D
Acq: 23 Apr 2020 12:15

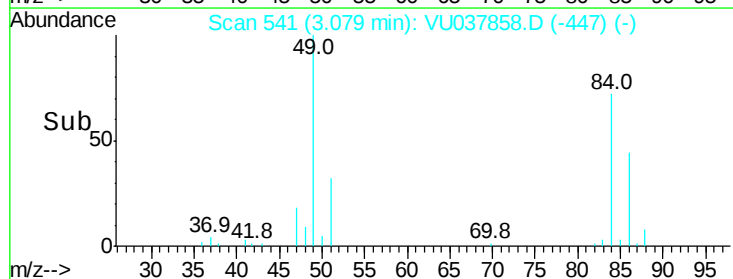
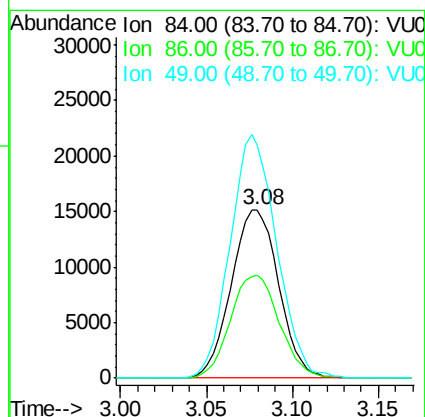
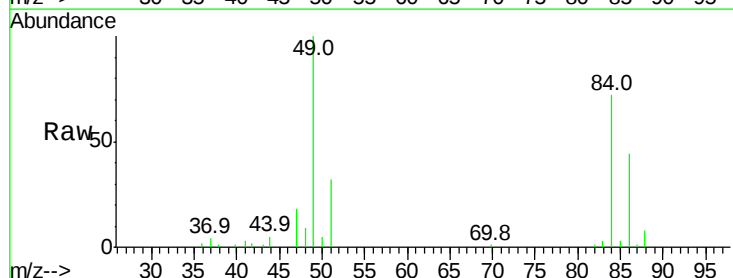
Instrument :
MSVOA_U
ClientSampleId :
VSTD00533

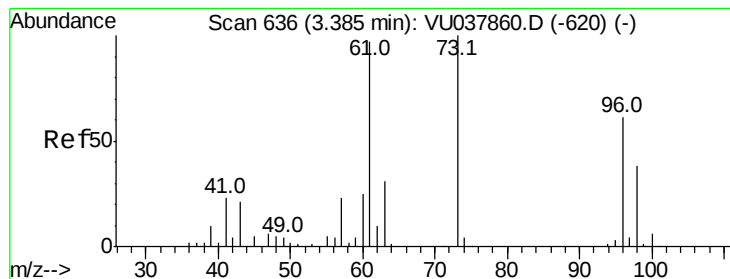
Tgt Ion: 43 Resp: 38807
Ion Ratio Lower Upper
43 100
74 21.3 17.0 25.4



#16
Methylene chloride
Concen: 7.950 ug/L
RT: 3.08 min Scan# 541
Delta R.T. 0.00 min
Lab File: VU037858.D
Acq: 23 Apr 2020 12:15

Tgt Ion: 84 Resp: 29109
Ion Ratio Lower Upper
84 100
86 61.1 43.5 80.7
49 138.7 95.1 176.7





#17

trans-1,2-Dichloroethene

Concen: 8.287 ug/L

RT: 3.38 min Scan# 636

Delta R.T. -0.00 min

Lab File: VU037858.D

Acq: 23 Apr 2020 12:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD00533

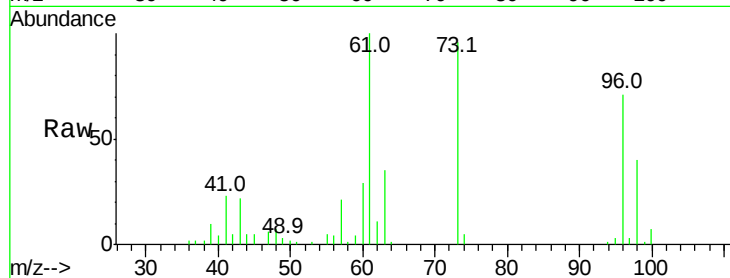
Tgt Ion: 96 Resp: 27894

Ion Ratio Lower Upper

96 100

61 140.8 111.4 207.0

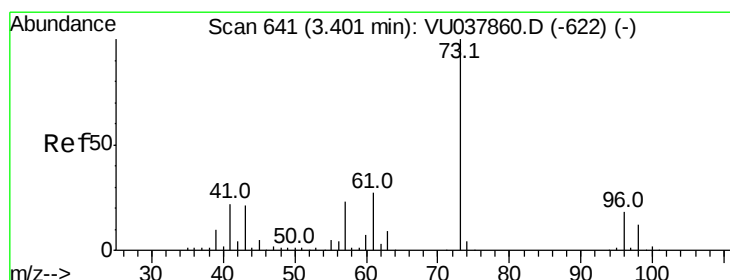
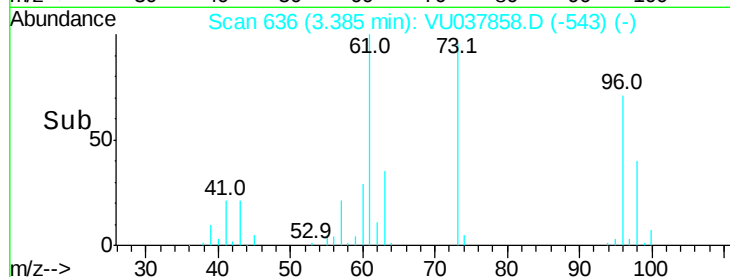
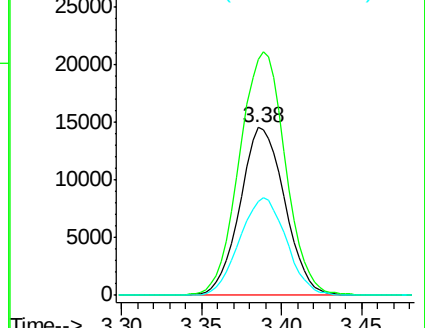
98 56.2 43.9 81.5



Abundance Ion 96.00 (95.70 to 96.70): VU037860.D (-620) (-)

Ion 61.00 (60.70 to 61.70): VU037860.D (-620) (-)

Ion 98.00 (97.70 to 98.70): VU037860.D (-620) (-)



#18

Methyl tert-butyl Ether

Concen: 7.653 ug/L

RT: 3.40 min Scan# 642

Delta R.T. 0.00 min

Lab File: VU037858.D

Acq: 23 Apr 2020 12:15

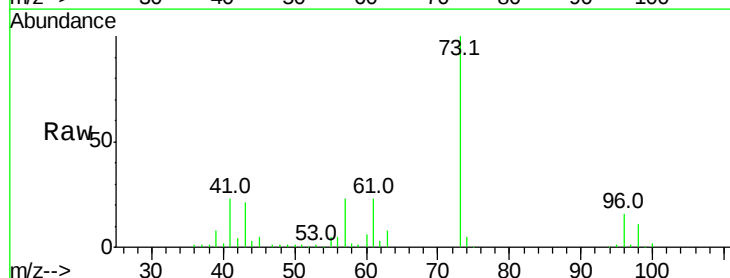
Tgt Ion: 73 Resp: 91694

Ion Ratio Lower Upper

73 100

43 21.8 17.0 25.6

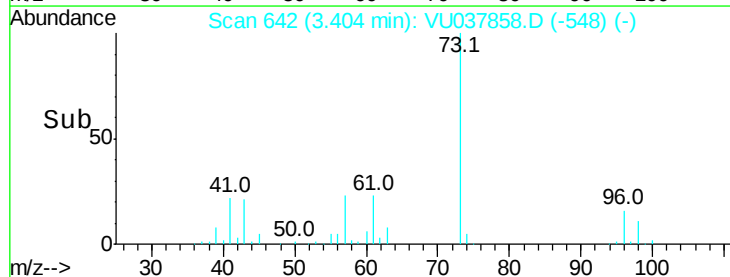
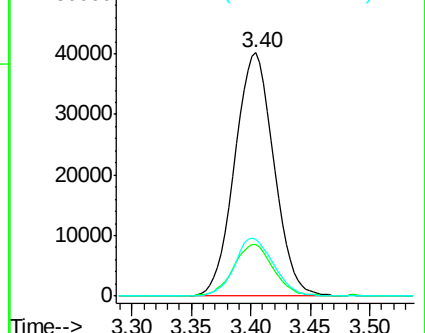
57 23.7 18.7 28.1

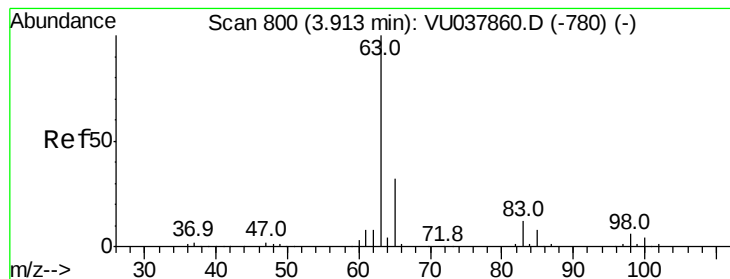


Abundance Ion 73.00 (72.70 to 73.70): VU037860.D (-622) (-)

Ion 43.00 (42.70 to 43.70): VU037860.D (-622) (-)

Ion 57.00 (56.70 to 57.70): VU037860.D (-622) (-)





#19

1,1-Dichloroethane

Concen: 7.867 ug/L

RT: 3.91 min Scan# 800

Delta R.T. -0.00 min

Lab File: VU037858.D

Acq: 23 Apr 2020 12:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD00533

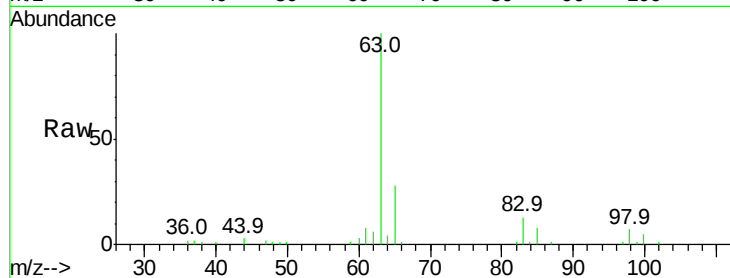
Tgt Ion: 63 Resp: 54982

Ion Ratio Lower Upper

63 100

65 28.0 22.2 41.2

83 13.2 8.6 16.0

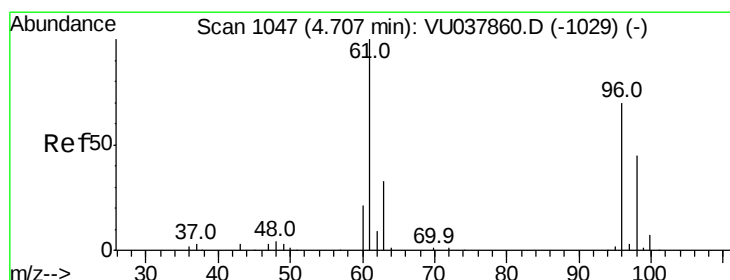
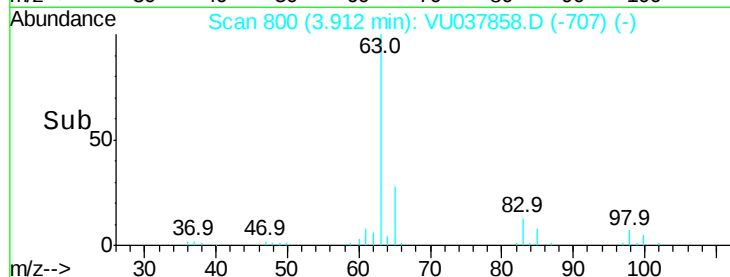


Abundance Ion 63.00 (62.70 to 63.70): VU037860.D (-780) (-)

Ion 65.00 (64.70 to 65.70): VU037860.D (-780) (-)

Ion 83.00 (82.70 to 83.70): VU037860.D (-780) (-)

Time-->



#20

cis-1,2-Dichloroethene

Concen: 7.938 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU037858.D

Acq: 23 Apr 2020 12:15

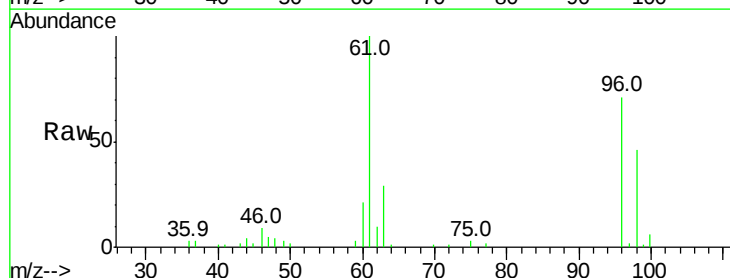
Tgt Ion: 96 Resp: 29861

Ion Ratio Lower Upper

96 100

61 141.3 100.4 186.4

68 0.0 0.0 0.0

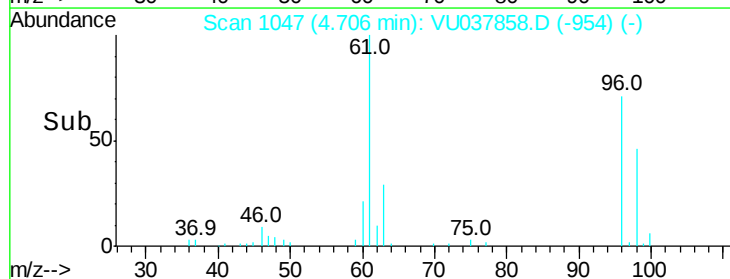


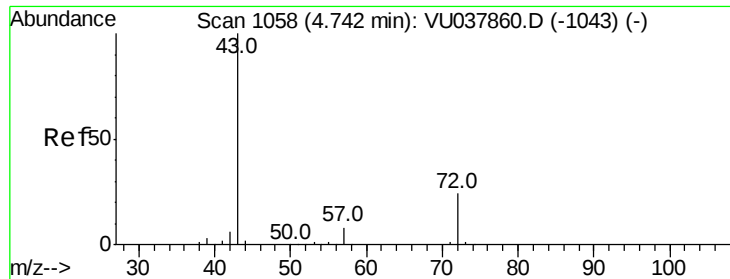
Abundance Ion 96.00 (95.70 to 96.70): VU037860.D (-1029) (-)

Ion 61.00 (60.70 to 61.70): VU037860.D (-1029) (-)

Ion 68.00 (67.70 to 68.70): VU037860.D (-1029) (-)

Time-->





#22

2-Butanone

Concen: 14.927 ug/L

RT: 4.74 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VU037858.D

Acq: 23 Apr 2020 12:15

Instrument :

MSVOA_U

ClientSampled :

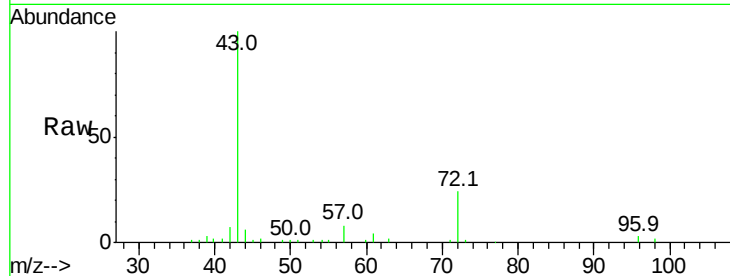
VSTD00533

Tgt Ion: 43 Resp: 55528

Ion Ratio Lower Upper

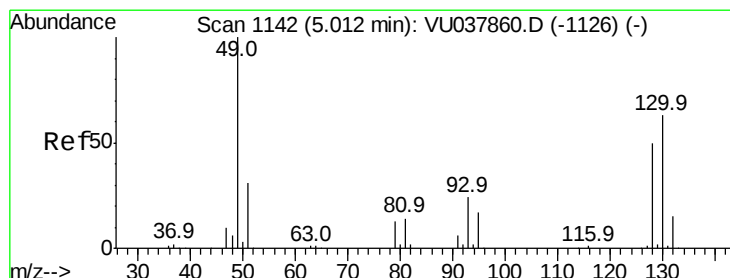
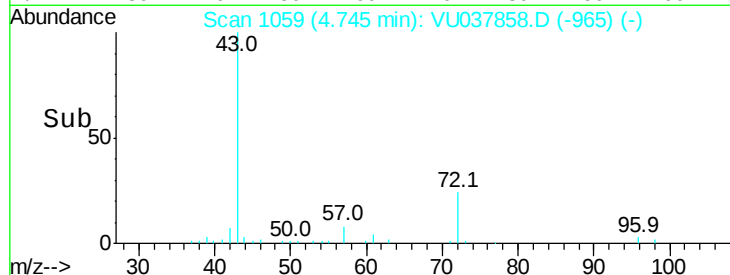
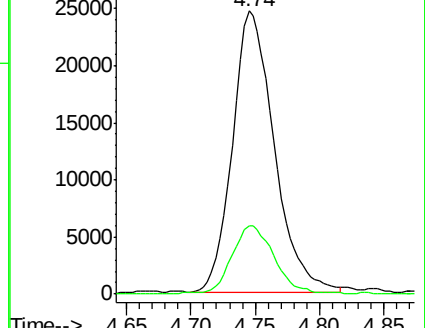
43 100

72 24.7 12.6 37.6



Abundance Ion 43.00 (42.70 to 43.70): VU037858.D (-1049) (-)

Ion 72.00 (71.70 to 72.70): VU037858.D (-1049) (-)



#23

Bromochloromethane

Concen: 7.906 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU037858.D

Acq: 23 Apr 2020 12:15

Tgt Ion: 128 Resp: 14284

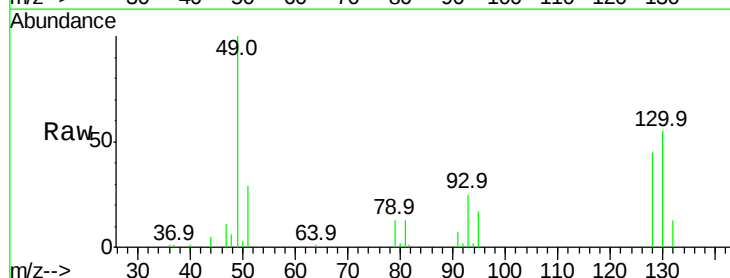
Ion Ratio Lower Upper

128 100

49 222.6 140.9 261.7

130 121.3 88.6 164.6

51 63.5 50.0 75.0

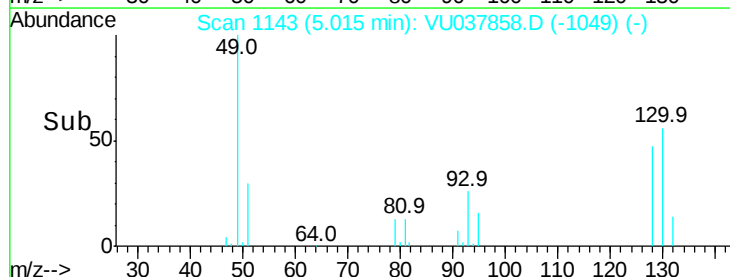
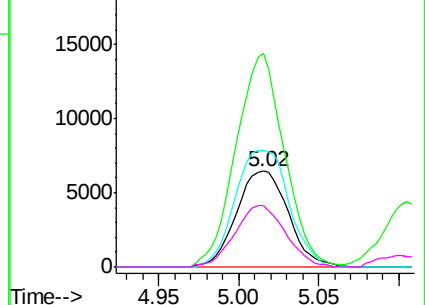


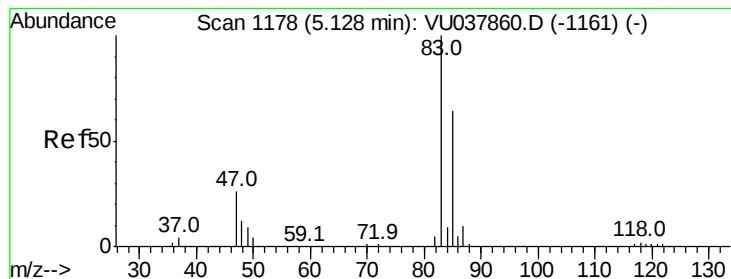
Abundance Ion 128.00 (127.70 to 128.70): VU037858.D (-1049) (-)

Ion 49.00 (48.70 to 49.70): VU037858.D (-1049) (-)

Ion 130.00 (129.70 to 130.70): VU037858.D (-1049) (-)

Ion 51.00 (50.70 to 51.70): VU037858.D (-1049) (-)





#25

Chloroform

Concen: 7.870 ug/L

RT: 5.13 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VU037858.D

Acq: 23 Apr 2020 12:15

Instrument :

MSVOA_U

ClientSampleId :

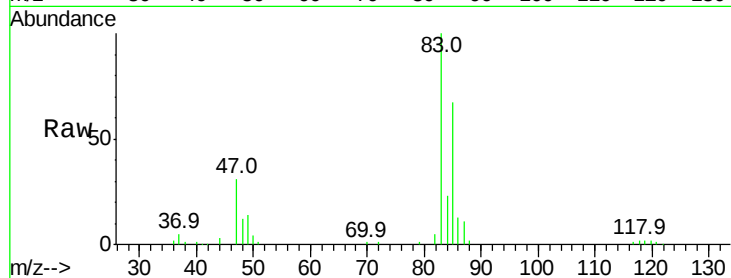
VSTD00533

Tgt Ion: 83 Resp: 51498

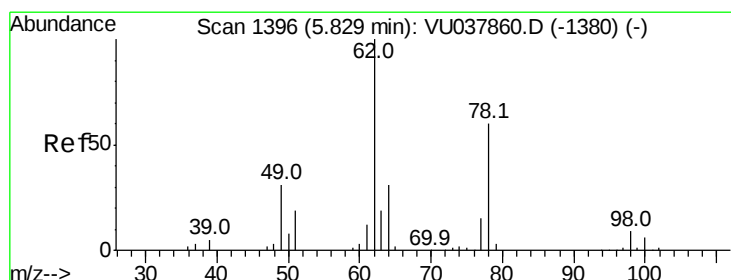
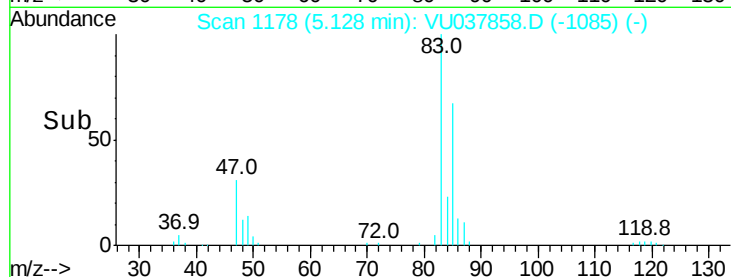
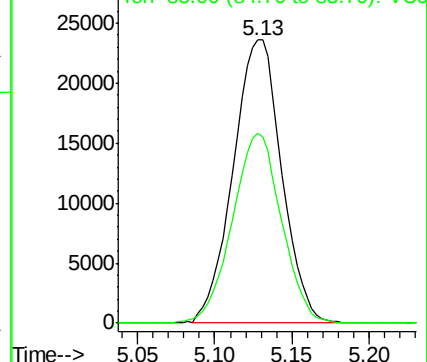
Ion Ratio Lower Upper

83 100

85 66.9 45.1 83.9



Abundance Ion 83.00 (82.70 to 83.70): VU037860.D (-1161) (-)



#27

1,2-Dichloroethane

Concen: 7.982 ug/L

RT: 5.83 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VU037858.D

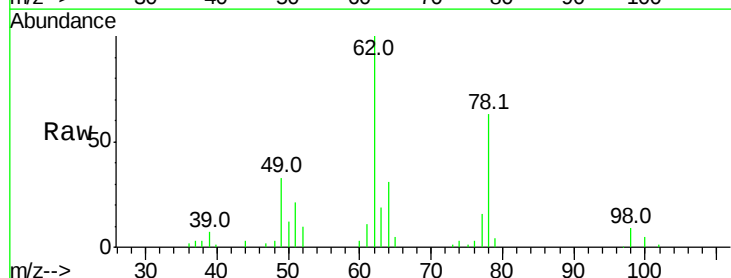
Acq: 23 Apr 2020 12:15

Tgt Ion: 62 Resp: 45028

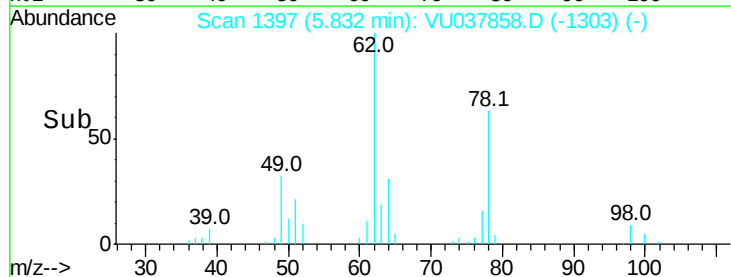
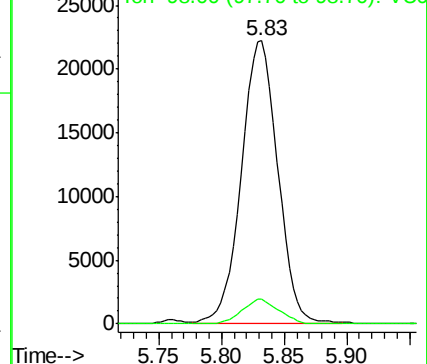
Ion Ratio Lower Upper

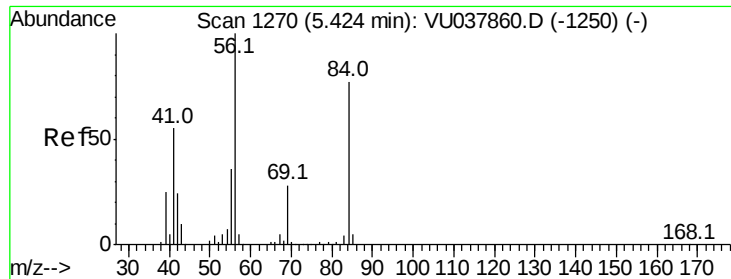
62 100

98 8.7 7.3 10.9



Abundance Ion 62.00 (61.70 to 62.70): VU037860.D (-1380) (-)

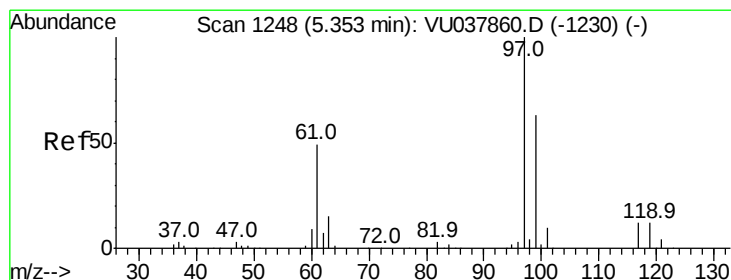
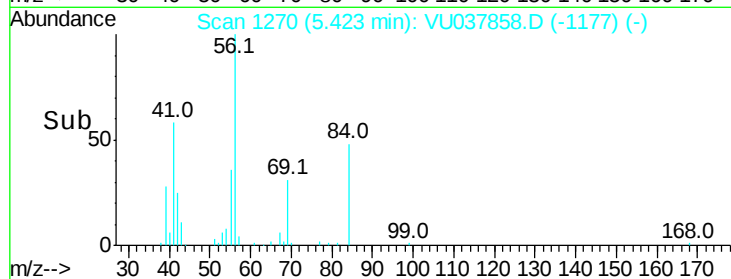
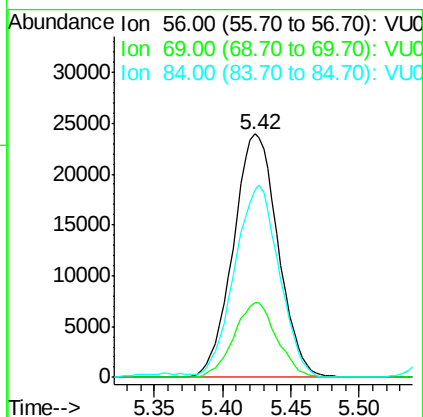
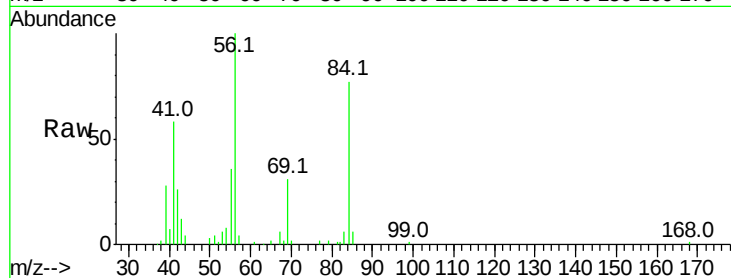




#29
Cyclohexane
Concen: 7.922 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU037858.D
Acq: 23 Apr 2020 12:15

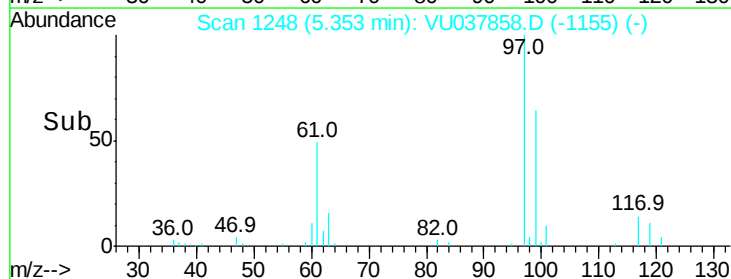
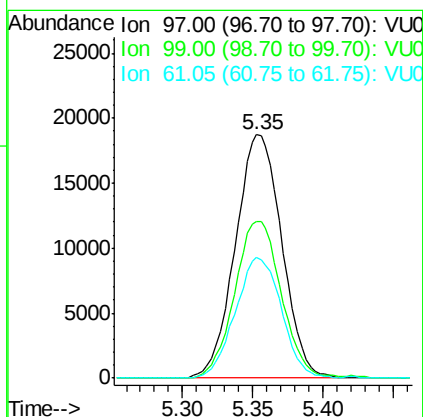
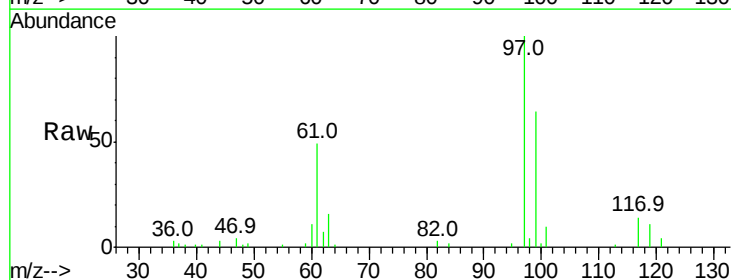
Instrument :
MSVOA_U
ClientSampleId :
VSTD00533

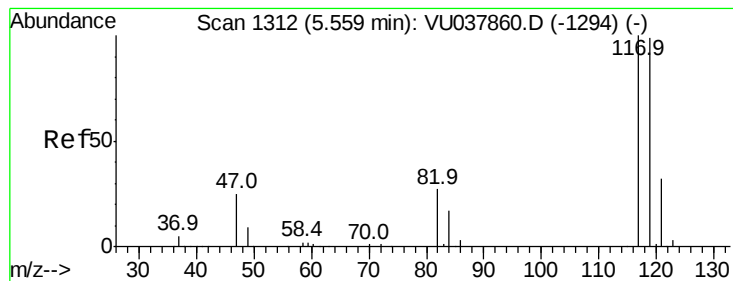
Tgt Ion: 56 Resp: 54541
Ion Ratio Lower Upper
56 100
69 29.4 22.9 34.3
84 78.8 63.6 95.4



#30
1,1,1-Trichloroethane
Concen: 7.681 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VU037858.D
Acq: 23 Apr 2020 12:15

Tgt Ion: 97 Resp: 43129
Ion Ratio Lower Upper
97 100
99 64.3 50.7 76.1
61 49.2 38.9 58.3





#31

Carbon tetrachloride

Concen: 7.706 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU037858.D

Acq: 23 Apr 2020 12:15

Instrument :

MSVOA_U

ClientSampleId :

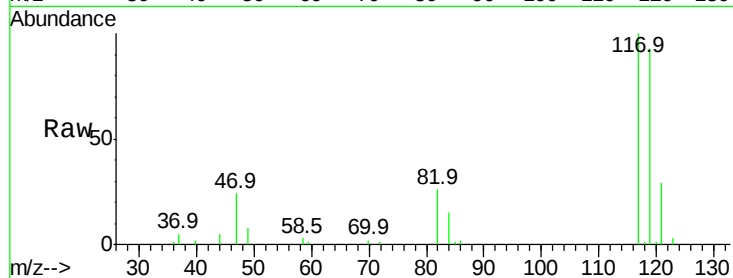
VSTD00533

Tgt Ion:117 Resp: 34809

Ion Ratio Lower Upper

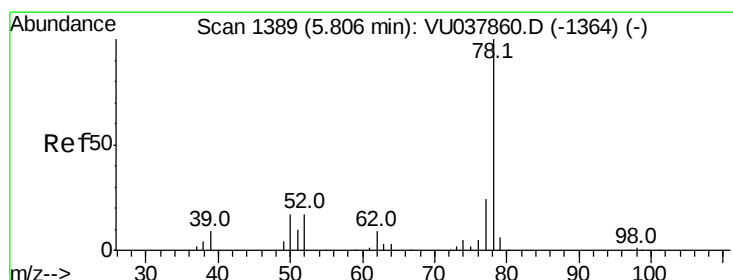
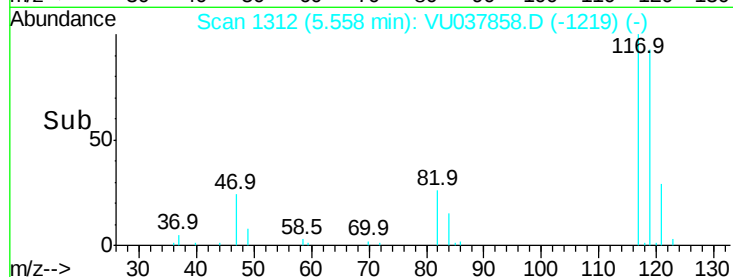
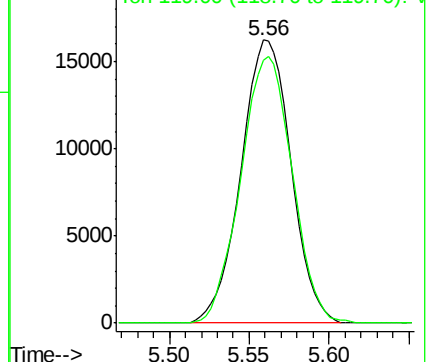
117 100

119 96.7 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 7.843 ug/L

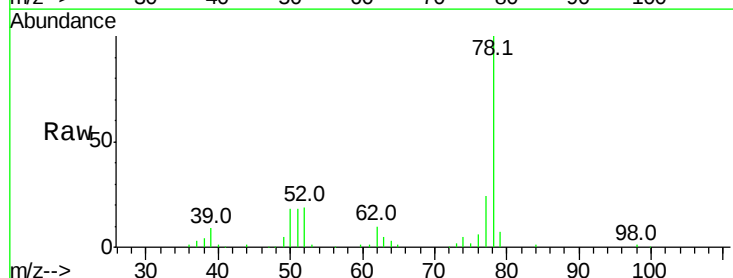
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

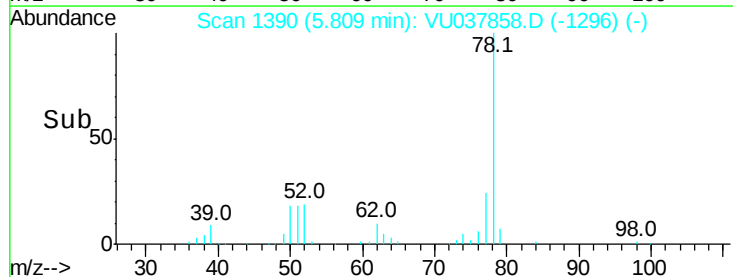
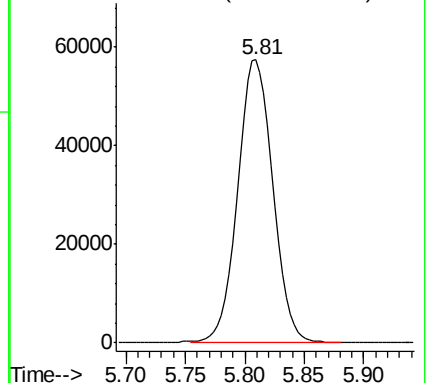
Lab File: VU037858.D

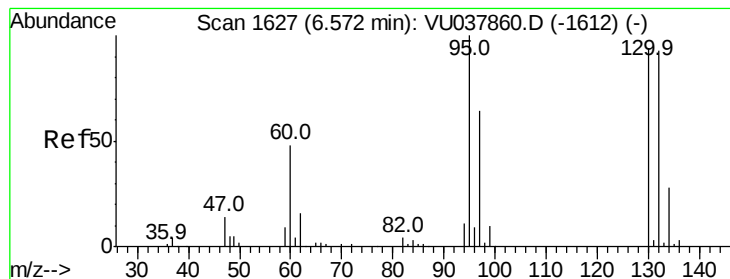
Acq: 23 Apr 2020 12:15

Tgt Ion: 78 Resp: 117796



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 7.834 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VU037858.D

Acq: 23 Apr 2020 12:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD00533

Tgt Ion: 95 Resp: 29044

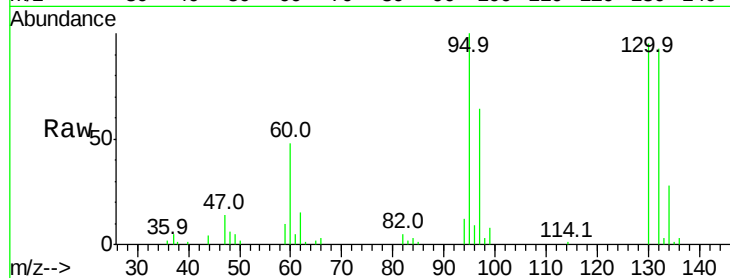
Ion Ratio Lower Upper

95 100

97 64.1 44.4 82.5

132 92.8 65.0 120.6

130 95.1 65.5 121.7

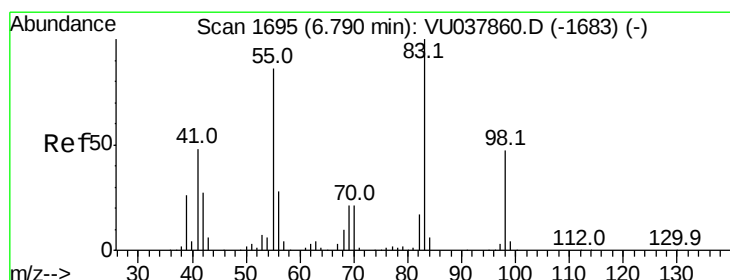
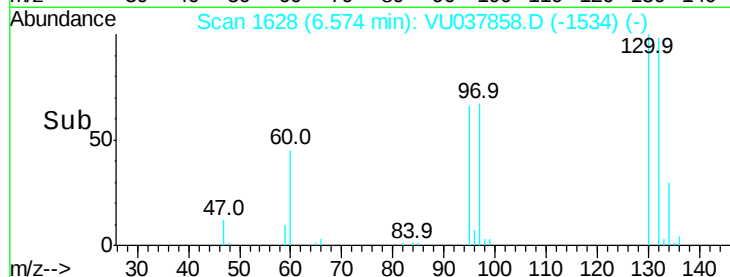
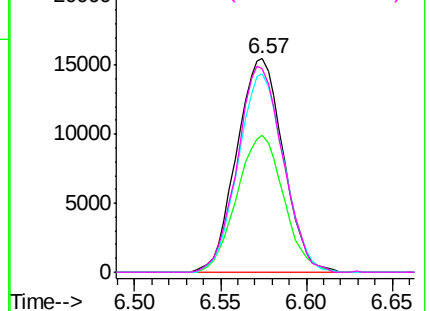


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 7.895 ug/L

RT: 6.79 min Scan# 1696

Delta R.T. 0.00 min

Lab File: VU037858.D

Acq: 23 Apr 2020 12:15

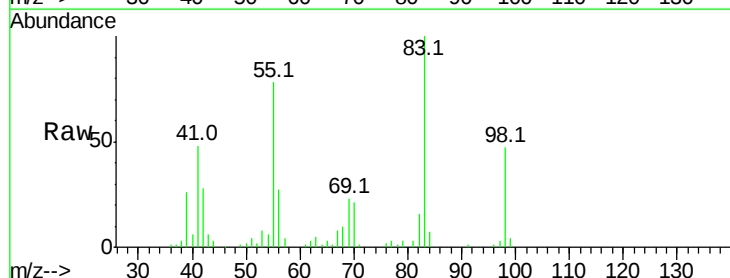
Tgt Ion: 83 Resp: 51104

Ion Ratio Lower Upper

83 100

55 81.8 66.3 99.5

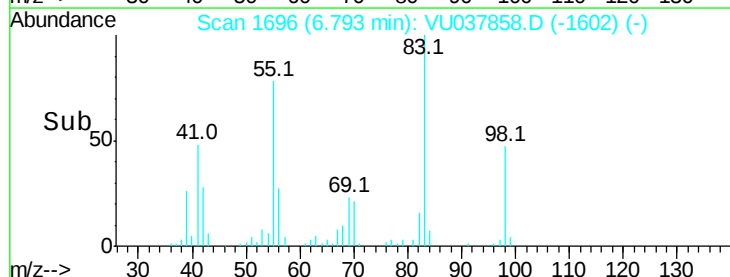
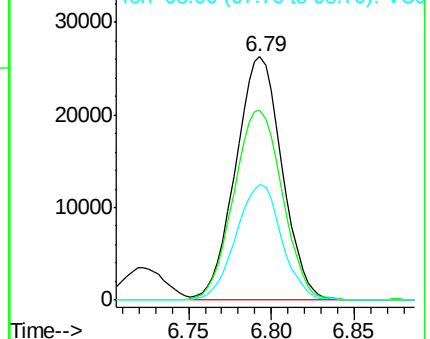
98 46.8 37.4 56.0

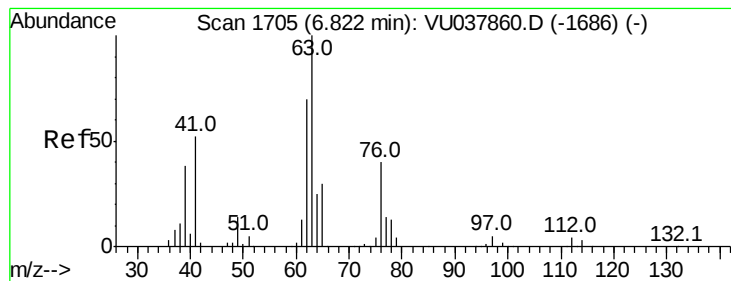


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 7.707 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. -0.00 min

Lab File: VU037858.D

Acq: 23 Apr 2020 12:15

Instrument :

MSVOA_U

ClientSampleId :

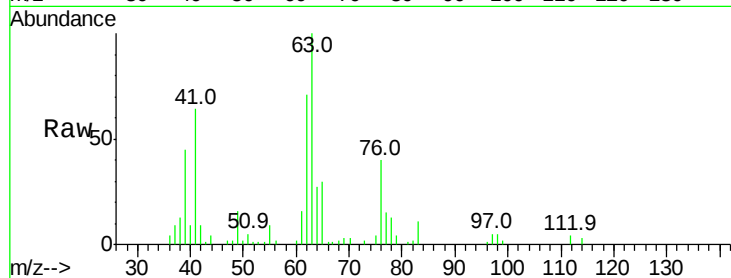
VSTD00533

Tgt Ion: 63 Resp: 32693

Ion Ratio Lower Upper

63 100

112 3.9 3.0 4.4



Abundance Ion 63.00 (62.70 to 63.70): VU037860.D (-1686) (-)

Ion 112.00 (111.70 to 112.70): VU037860.D (-1686) (-)

6.82

15000

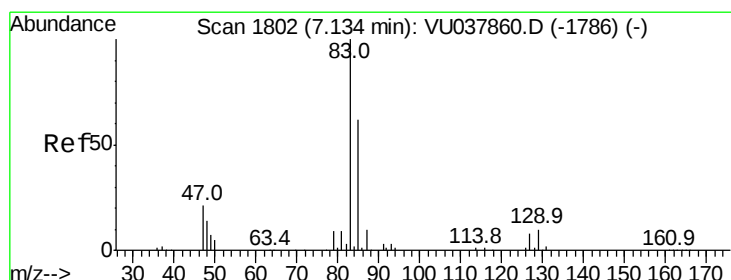
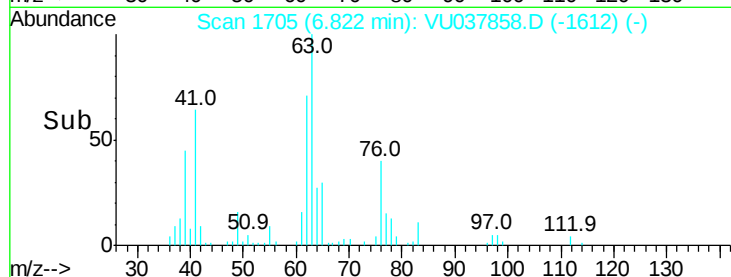
10000

5000

0

6.75 6.80 6.85 6.90

Time-->



#38

Bromodichloromethane

Concen: 7.489 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VU037858.D

Acq: 23 Apr 2020 12:15

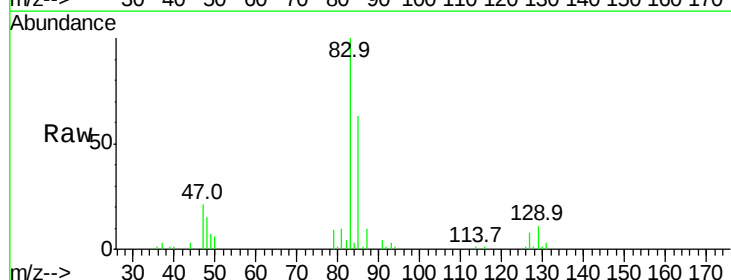
Tgt Ion: 83 Resp: 38231

Ion Ratio Lower Upper

83 100

85 63.5 43.3 80.3

127 8.3 6.2 9.2



Abundance Ion 83.00 (82.70 to 83.70): VU037860.D (-1786) (-)

Ion 85.00 (84.70 to 85.70): VU037860.D (-1786) (-)

Ion 127.00 (126.70 to 127.70): VU037860.D (-1786) (-)

7.13

25000

20000

15000

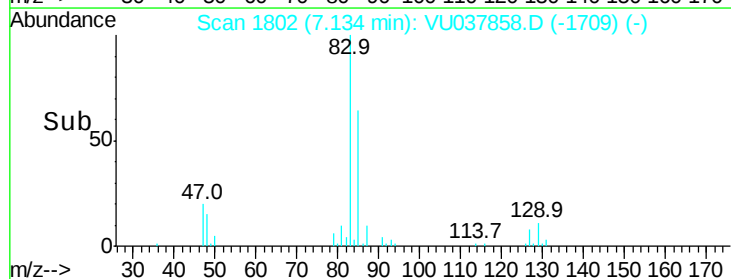
10000

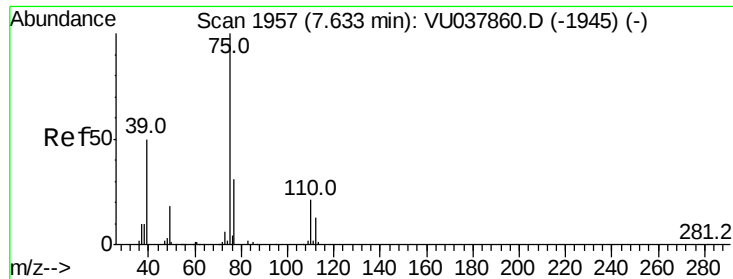
5000

0

7.10 7.15 7.20

Time-->

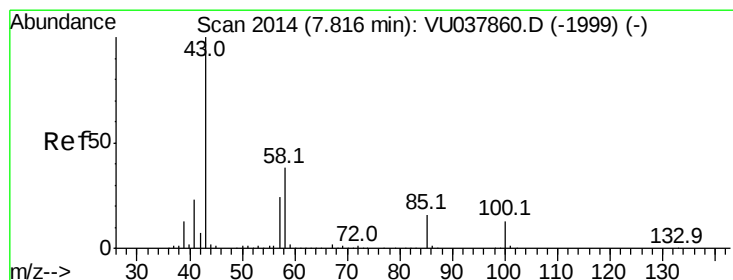
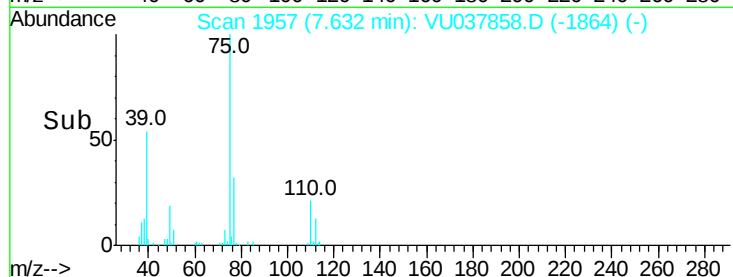
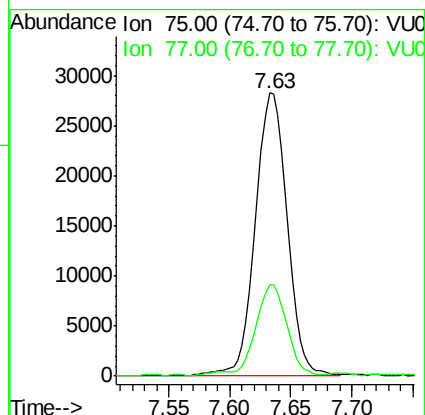
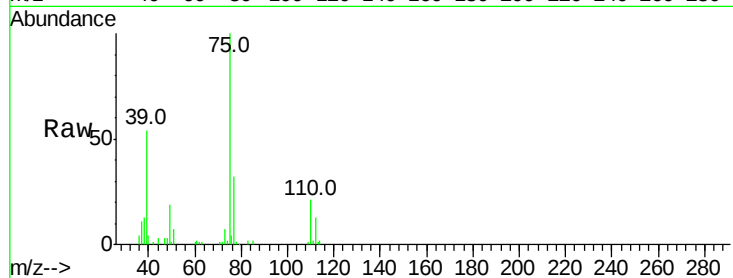




#39
 cis-1,3-Dichloropropene
 Concen: 7.668 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. -0.00 min
 Lab File: VU037858.D
 Acq: 23 Apr 2020 12:15

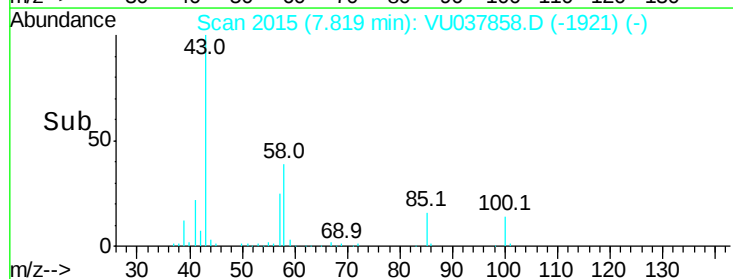
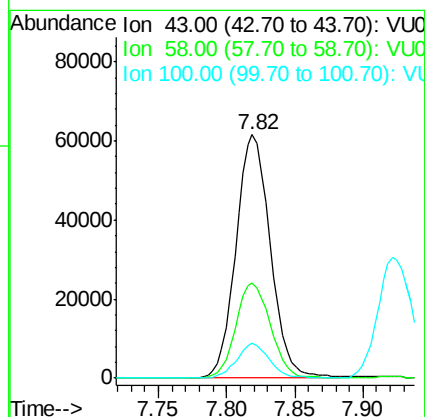
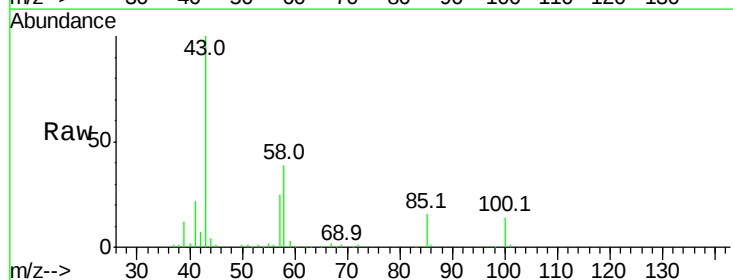
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00533

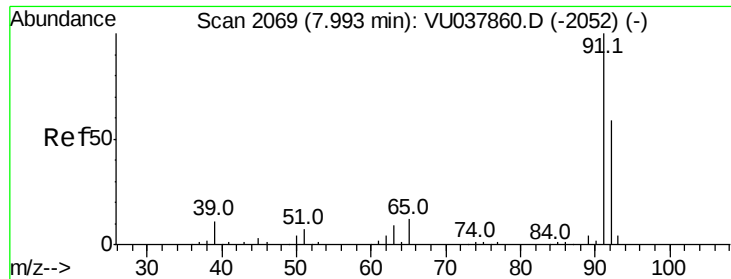
Tgt Ion: 75 Resp: 51238
 Ion Ratio Lower Upper
 75 100
 77 32.3 21.7 40.3



#40
 4-Methyl-2-pentanone
 Concen: 14.850 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. 0.00 min
 Lab File: VU037858.D
 Acq: 23 Apr 2020 12:15

Tgt Ion: 43 Resp: 107470
 Ion Ratio Lower Upper
 43 100
 58 39.5 30.2 45.2
 100 13.7 10.9 16.3





#42

Toluene

Concen: 7.792 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU037858.D

Acq: 23 Apr 2020 12:15

Instrument :

MSVOA_U

ClientSampleId :

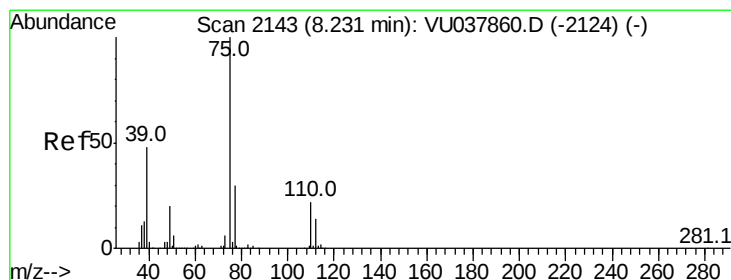
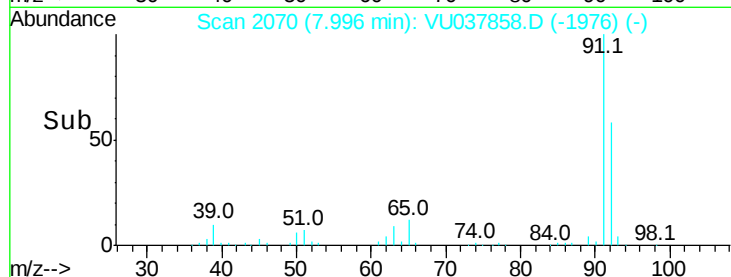
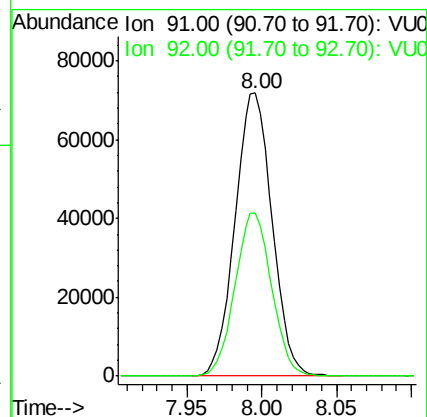
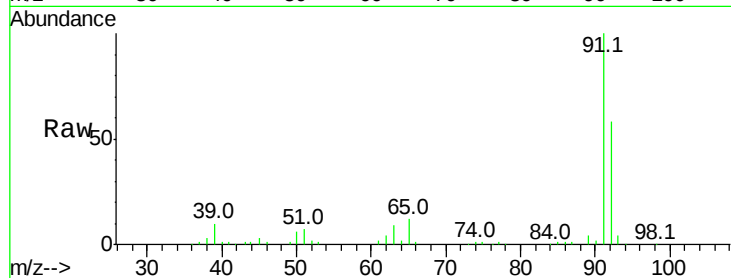
VSTD00533

Tgt Ion: 91 Resp: 123923

Ion Ratio Lower Upper

91 100

92 57.7 41.2 76.6



#44

trans-1,3-Dichloropropene

Concen: 7.541 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU037858.D

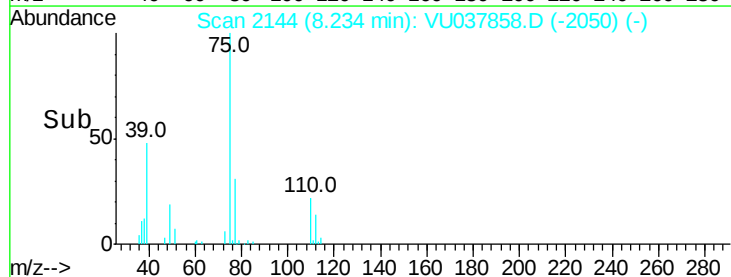
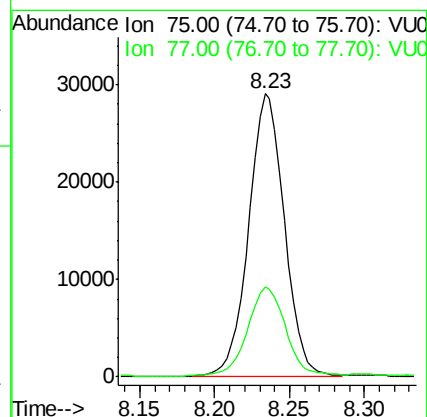
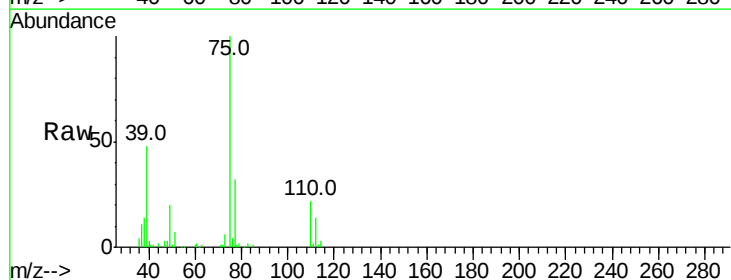
Acq: 23 Apr 2020 12:15

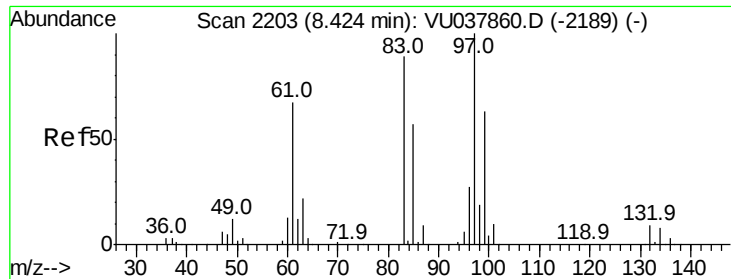
Tgt Ion: 75 Resp: 48430

Ion Ratio Lower Upper

75 100

77 31.6 21.0 39.0

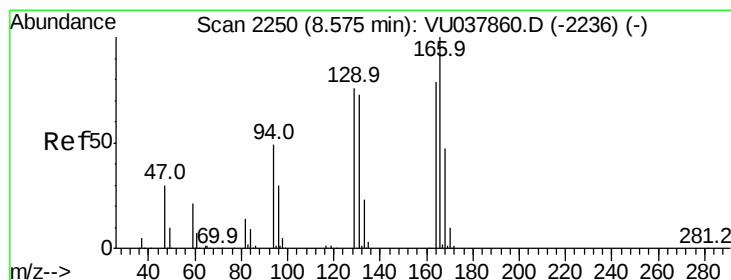
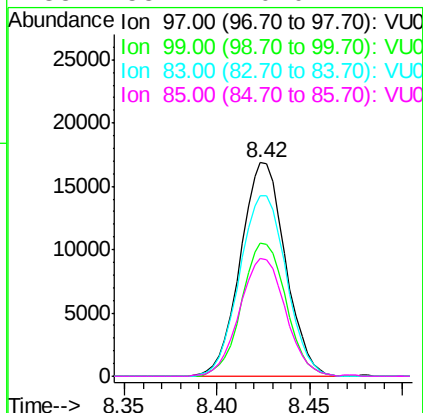
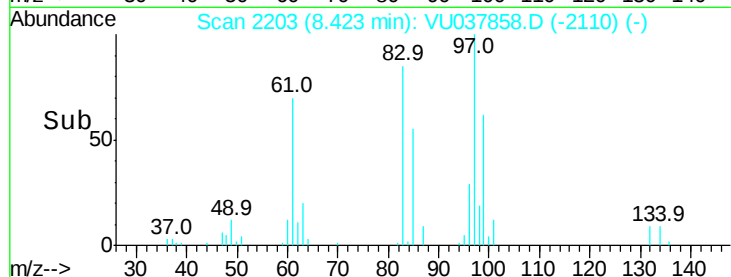
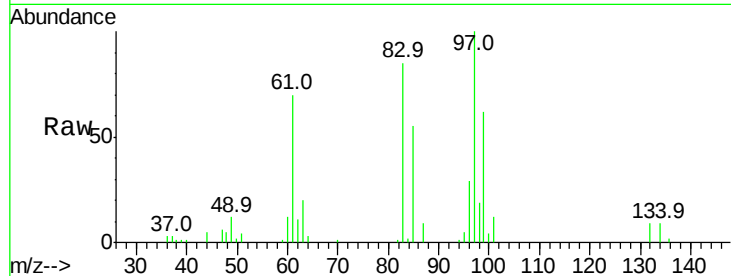




#45
 1,1,2-Trichloroethane
 Concen: 7.780 ug/L
 RT: 8.42 min Scan# 2203
 Delta R.T. -0.00 min
 Lab File: VU037858.D
 Acq: 23 Apr 2020 12:15

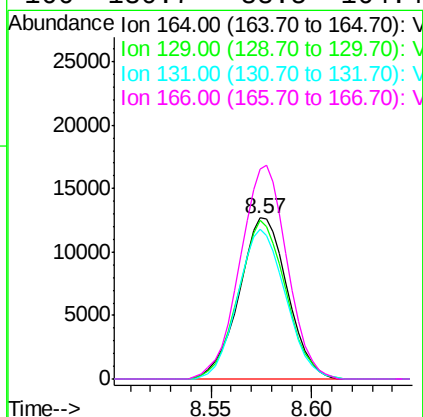
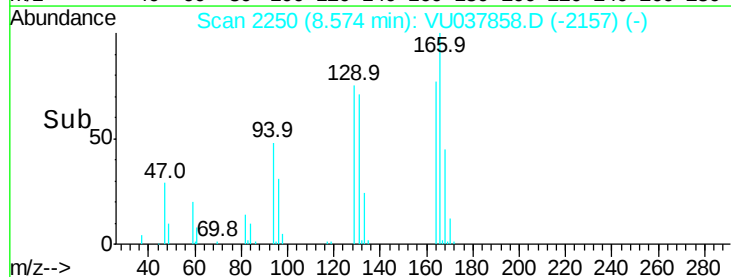
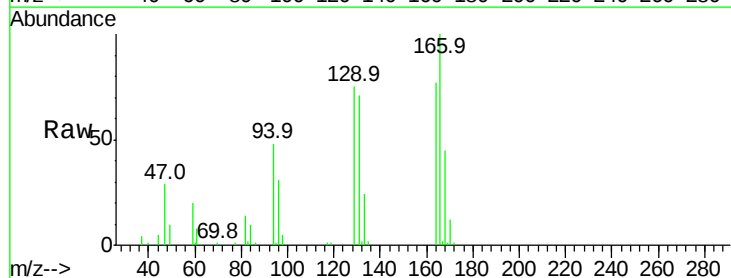
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00533

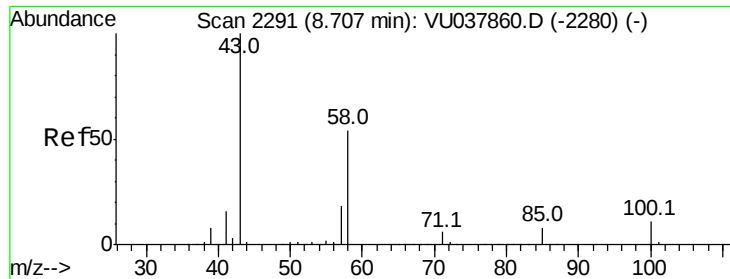
Tgt Ion:	97	Resp:	28518
Ion	Ratio	Lower	Upper
97	100		
99	62.4	44.0	81.6
83	84.6	62.6	116.2
85	55.1	40.0	74.4



#46
 Tetrachloroethene
 Concen: 7.972 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. -0.00 min
 Lab File: VU037858.D
 Acq: 23 Apr 2020 12:15

Tgt Ion:	164	Resp:	21232
Ion	Ratio	Lower	Upper
164	100		
129	98.6	67.3	125.1
131	93.3	64.8	120.4
166	130.7	88.5	164.4

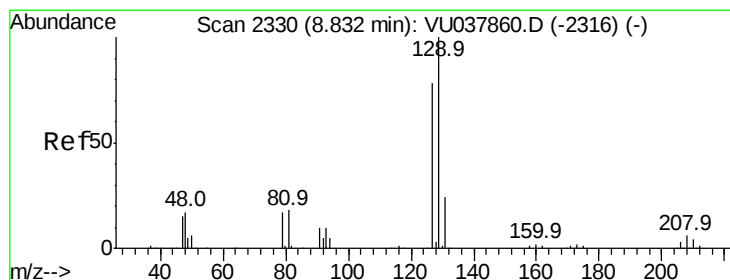
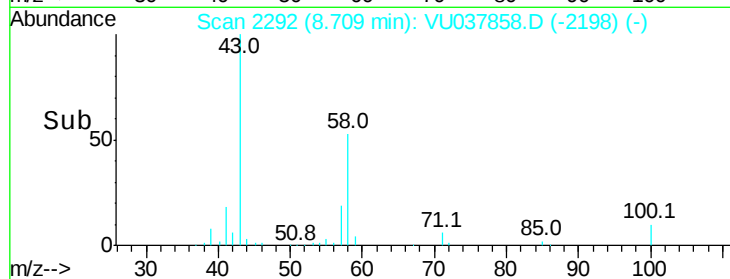
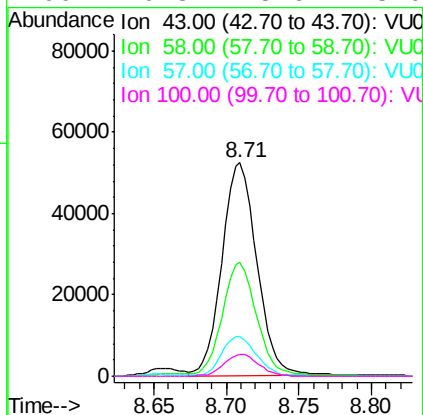
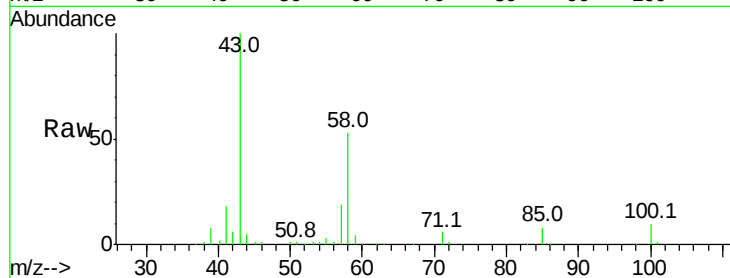




#48
2-Hexanone
Concen: 15.190 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU037858.D
Acq: 23 Apr 2020 12:15

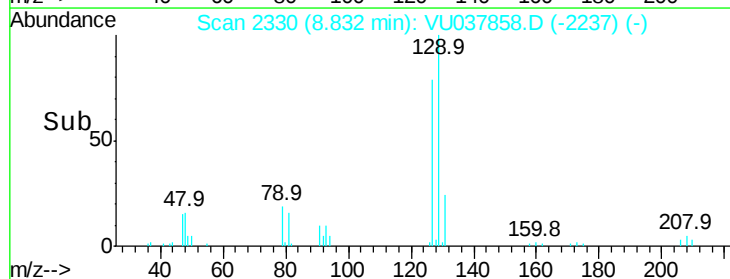
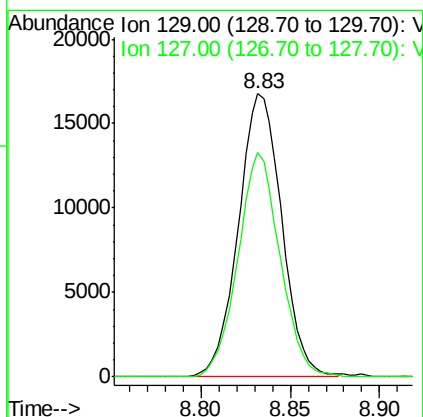
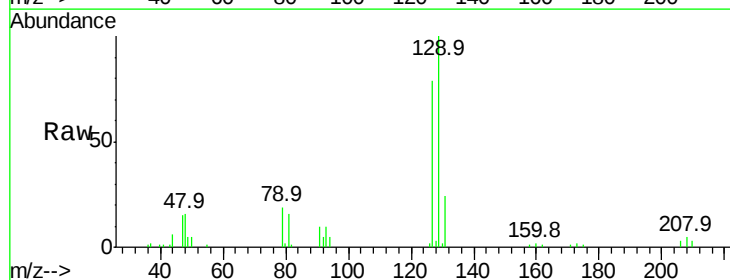
Instrument :
MSVOA_U
ClientSampleId :
VSTD00533

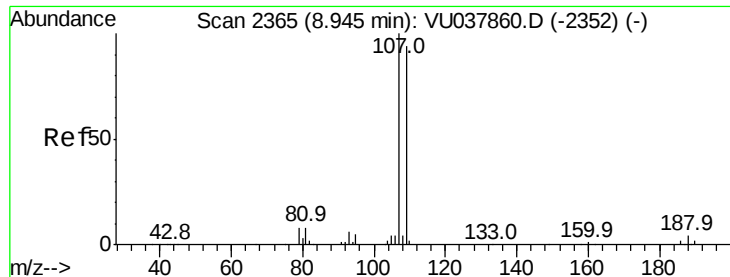
Tgt Ion: 43 Resp: 87208
Ion Ratio Lower Upper
43 100
58 52.2 42.6 63.8
57 17.8 14.6 22.0
100 10.3 8.6 13.0



#49
Dibromochloromethane
Concen: 7.446 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU037858.D
Acq: 23 Apr 2020 12:15

Tgt Ion: 129 Resp: 28416
Ion Ratio Lower Upper
129 100
127 79.2 54.7 101.5

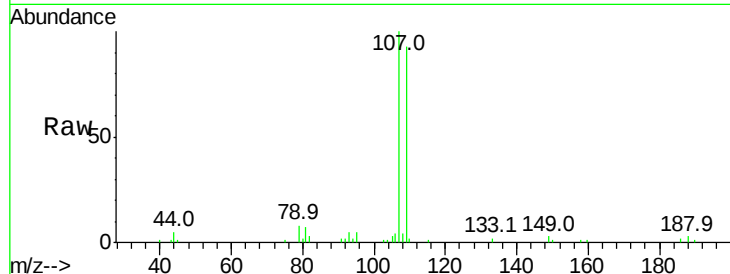




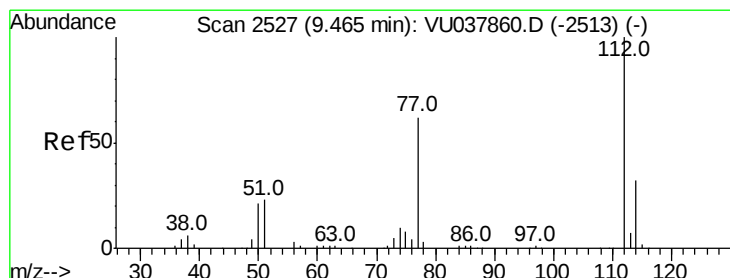
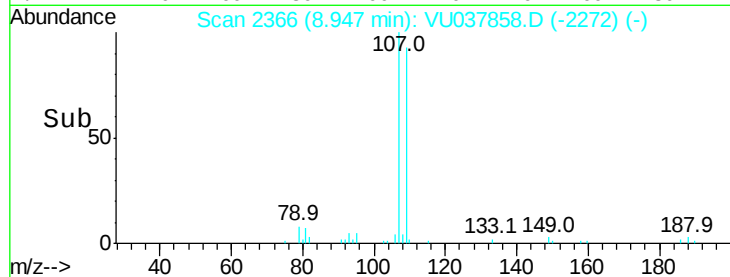
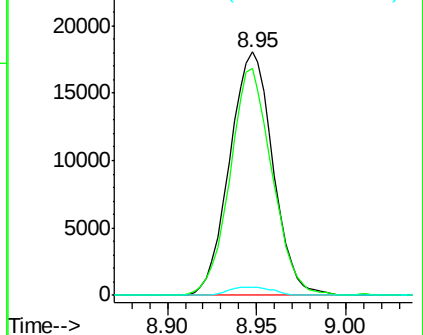
#50
 1,2-Dibromoethane
 Concen: 7.758 ug/L
 RT: 8.95 min Scan# 2366
 Delta R.T. 0.00 min
 Lab File: VU037858.D
 Acq: 23 Apr 2020 12:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00533

Tgt Ion:107 Resp: 30524
 Ion Ratio Lower Upper
 107 100
 109 93.0 65.7 122.1
 188 3.5 2.9 4.3

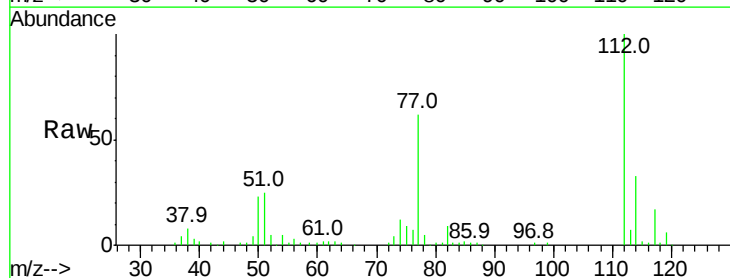


Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 188.00 (187.70 to 188.70): V

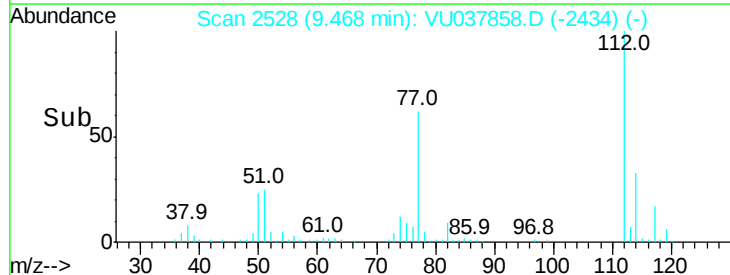
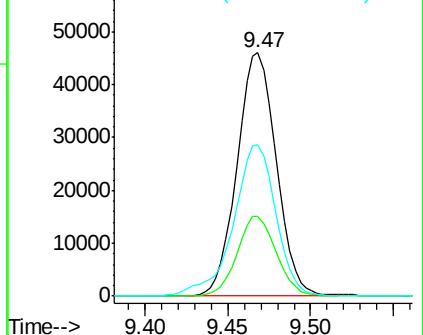


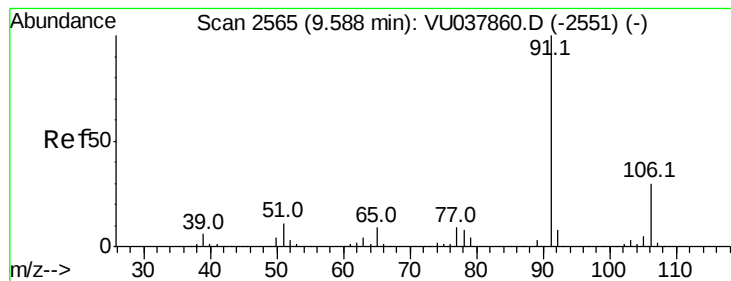
#51
 Chlorobenzene
 Concen: 7.635 ug/L
 RT: 9.47 min Scan# 2528
 Delta R.T. 0.00 min
 Lab File: VU037858.D
 Acq: 23 Apr 2020 12:15

Tgt Ion:112 Resp: 75837
 Ion Ratio Lower Upper
 112 100
 114 32.8 22.3 41.3
 77 62.2 49.8 74.6



Abundance Ion 112.00 (111.70 to 112.70): V
 Ion 114.00 (113.70 to 114.70): V
 Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 7.649 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VU037858.D

Acq: 23 Apr 2020 12:15

Instrument :

MSVOA_U

ClientSampleId :

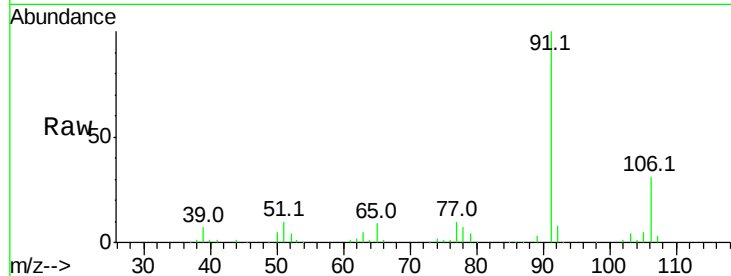
VSTD00533

Tgt Ion: 91 Resp: 136436

Ion Ratio Lower Upper

91 100

106 31.3 21.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VU037860.D (-2551) (-)

Ion 106.00 (105.70 to 106.70): VU037860.D (-2551) (-)

9.59

80000

60000

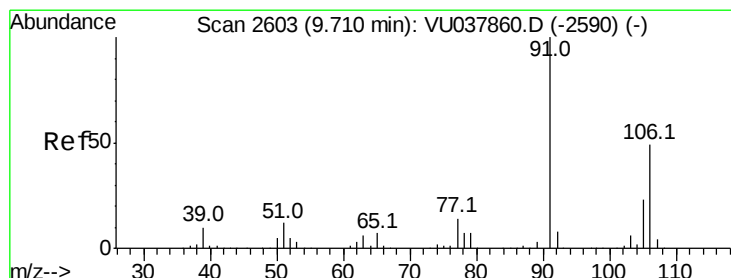
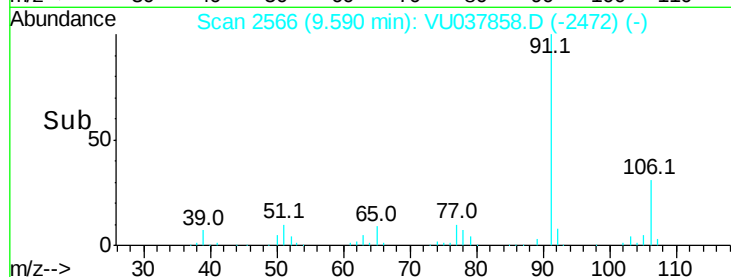
40000

20000

0

9.50 9.55 9.60 9.65

Time-->



#53

m,p-Xylene

Concen: 7.562 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VU037858.D

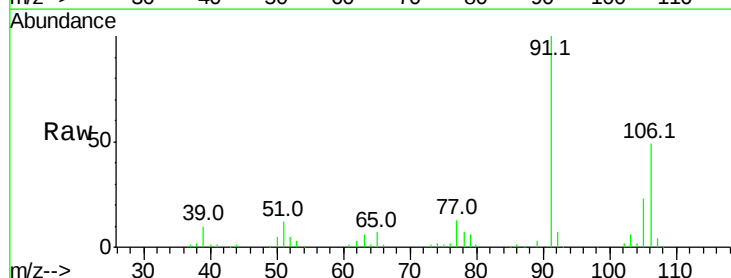
Acq: 23 Apr 2020 12:15

Tgt Ion: 106 Resp: 51148

Ion Ratio Lower Upper

106 100

91 204.5 142.8 265.2



Abundance Ion 106.00 (105.70 to 106.70): VU037860.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VU037860.D (-2590) (-)

9.71

60000

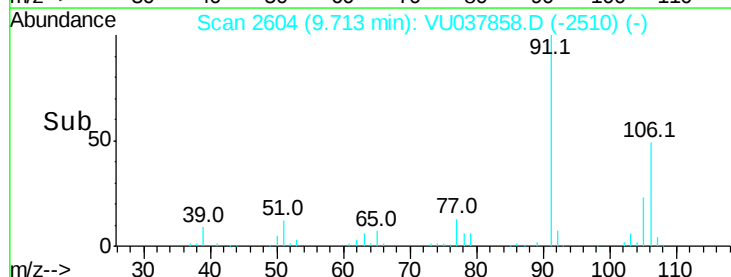
40000

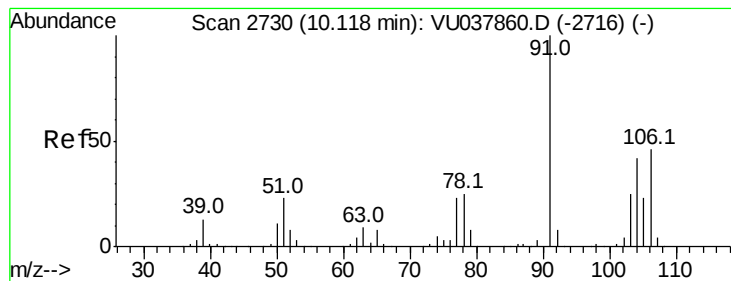
20000

0

9.65 9.70 9.75

Time-->





#54

o-xylene

Concen: 7.558 ug/L

RT: 10.12 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VU037858.D

Acq: 23 Apr 2020 12:15

Instrument :

MSVOA_U

ClientSampleId :

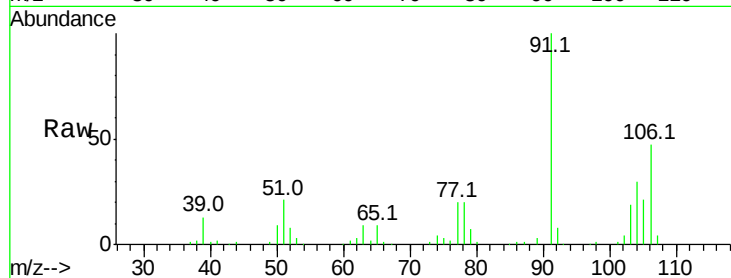
VSTD00533

Tgt Ion:106 Resp: 49681

Ion Ratio Lower Upper

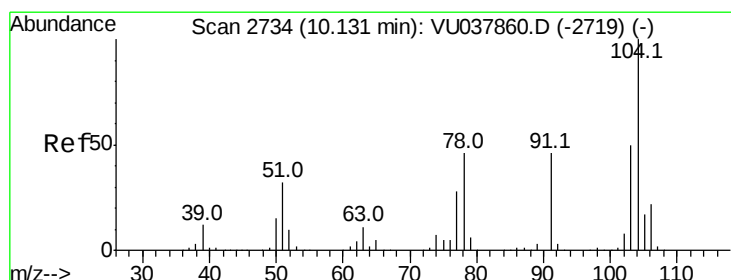
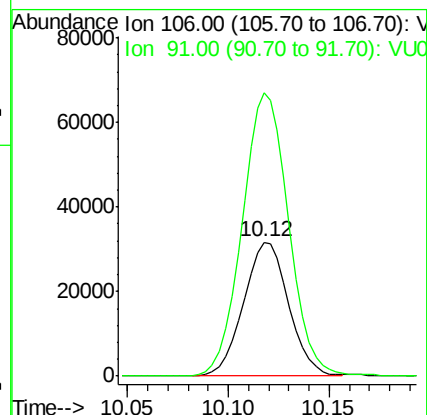
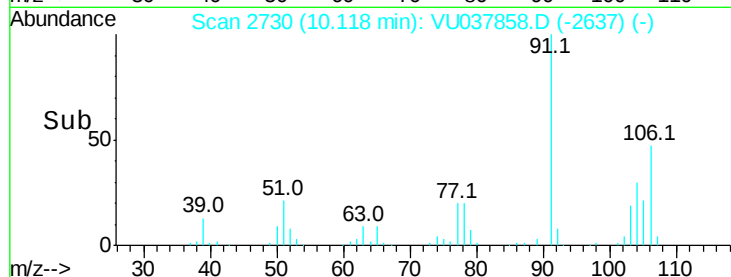
106 100

91 210.8 150.6 279.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 7.431 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VU037858.D

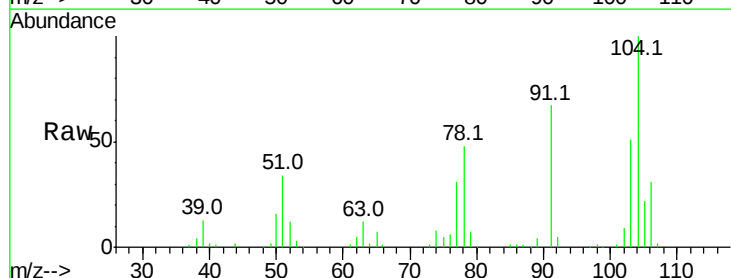
Acq: 23 Apr 2020 12:15

Tgt Ion:104 Resp: 84652

Ion Ratio Lower Upper

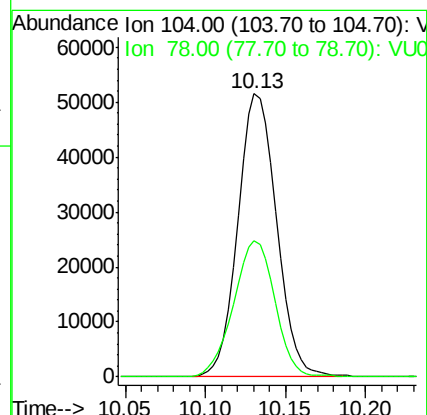
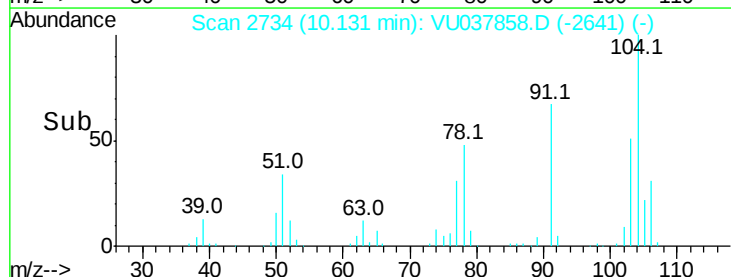
104 100

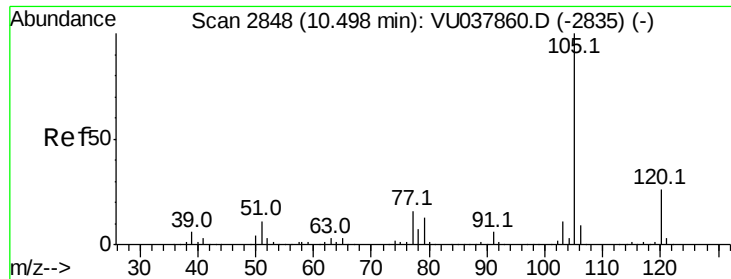
78 48.3 32.6 60.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 7.511 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU037858.D

Acq: 23 Apr 2020 12:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD00533

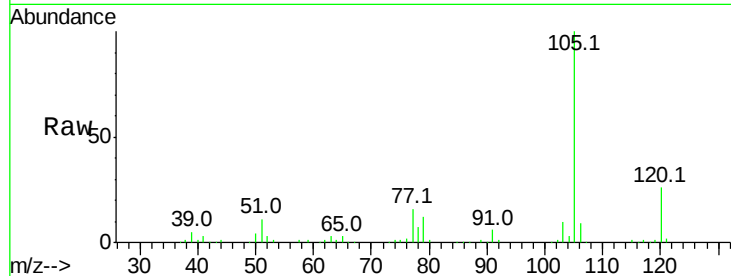
Tgt Ion: 105 Resp: 131188

Ion Ratio Lower Upper

105 100

120 26.5 20.6 31.0

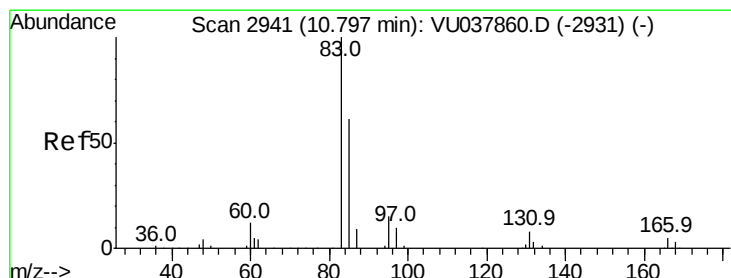
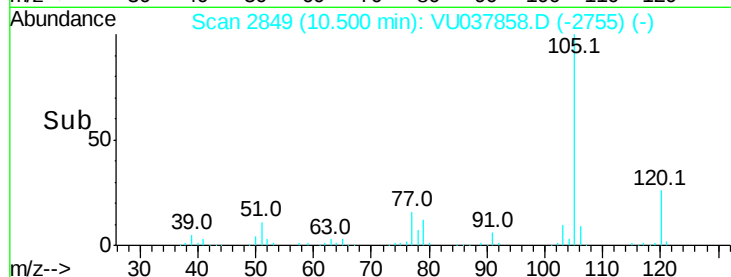
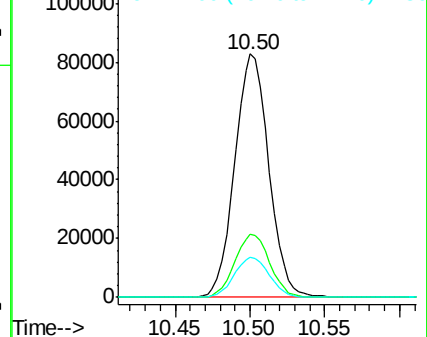
77 16.9 13.0 19.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 7.281 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU037858.D

Acq: 23 Apr 2020 12:15

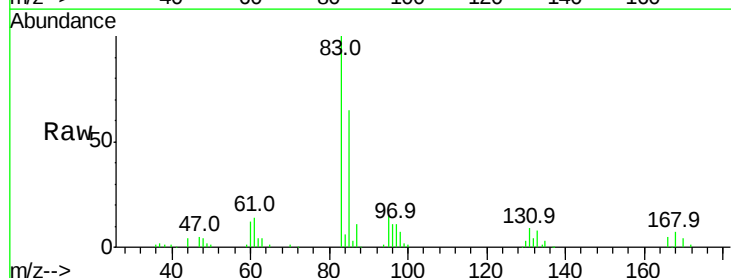
Tgt Ion: 83 Resp: 47558

Ion Ratio Lower Upper

83 100

85 65.0 43.8 81.4

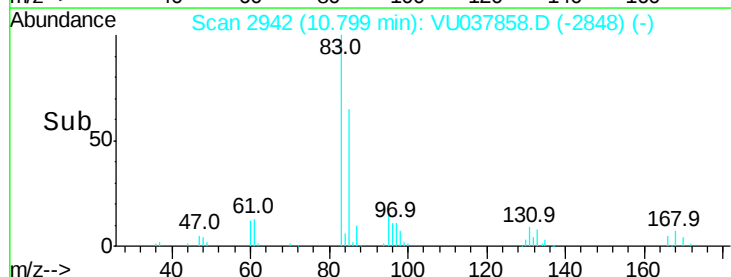
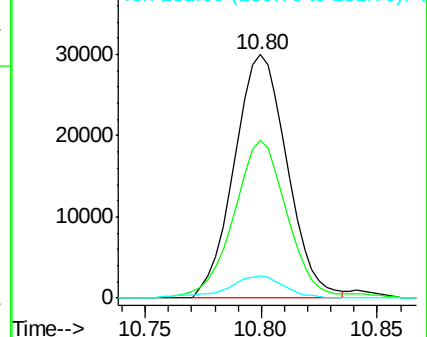
131 9.0 7.2 10.8

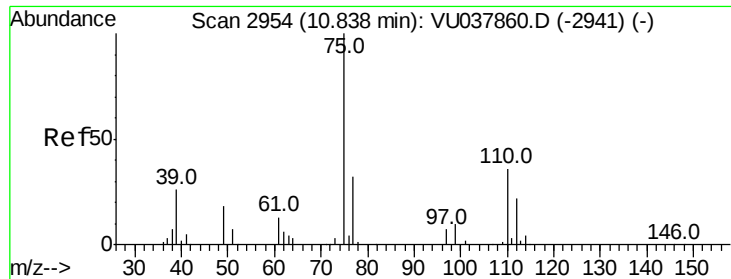


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 7.490 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. 0.00 min

Lab File: VU037858.D

Acq: 23 Apr 2020 12:15

Instrument :

MSVOA_U

ClientSampleId :

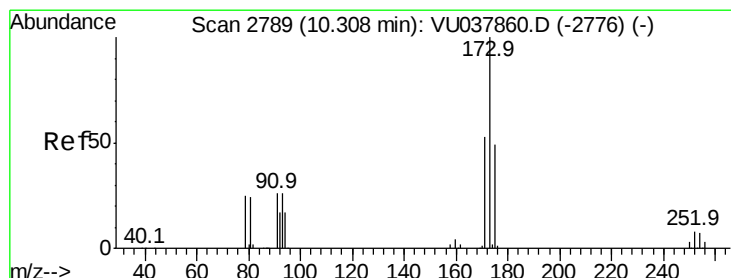
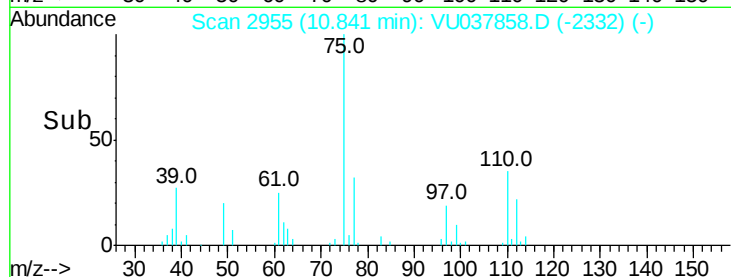
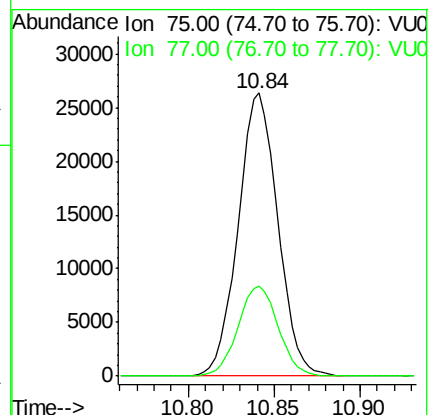
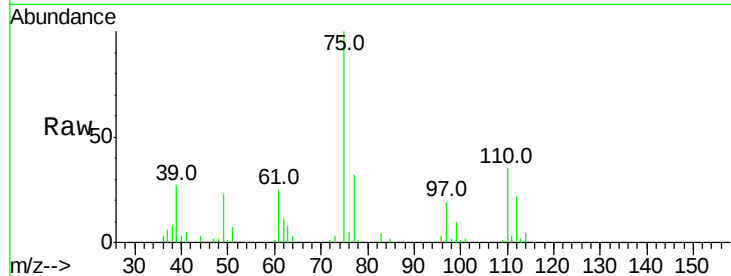
VSTD00533

Tgt Ion: 75 Resp: 42348

Ion Ratio Lower Upper

75 100

77 32.1 25.8 38.6



#61

Bromoform

Concen: 7.265 ug/L

RT: 10.31 min Scan# 2789

Delta R.T. -0.00 min

Lab File: VU037858.D

Acq: 23 Apr 2020 12:15

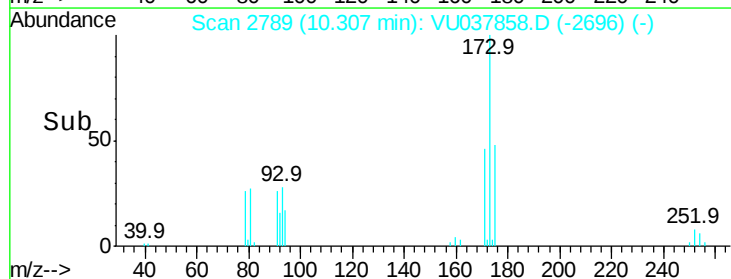
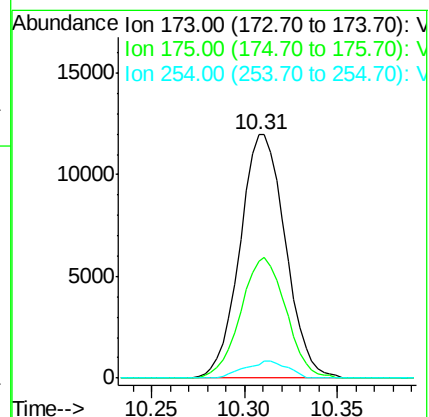
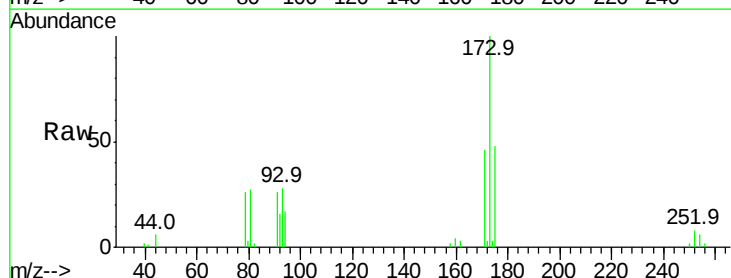
Tgt Ion: 173 Resp: 20454

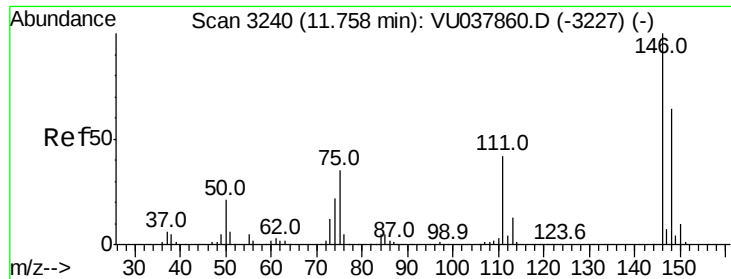
Ion Ratio Lower Upper

173 100

175 49.2 38.8 58.2

254 6.6 5.8 8.8

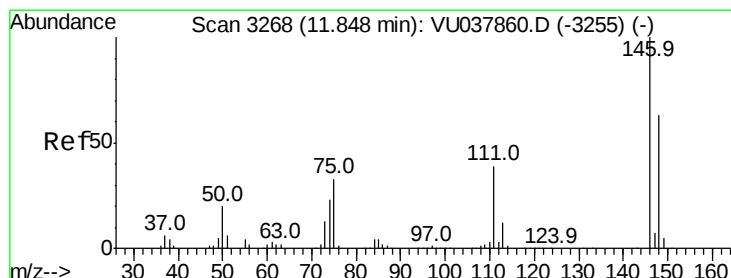
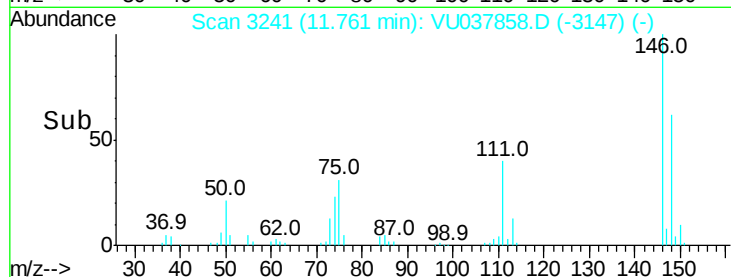
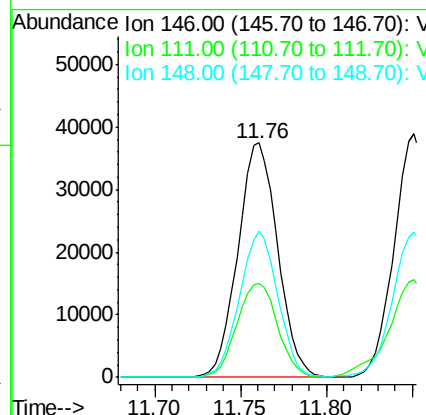
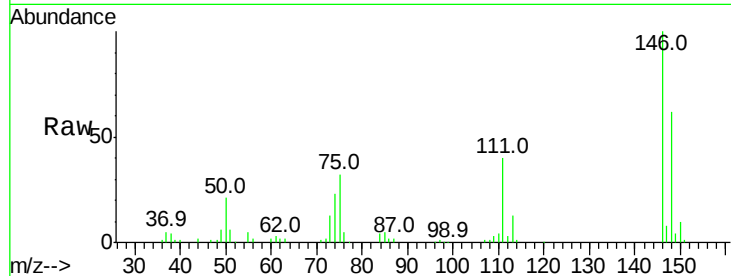




#62
 1,3-Dichlorobenzene
 Concen: 7.914 ug/L
 RT: 11.76 min Scan# 3241
 Delta R.T. 0.00 min
 Lab File: VU037858.D
 Acq: 23 Apr 2020 12:15

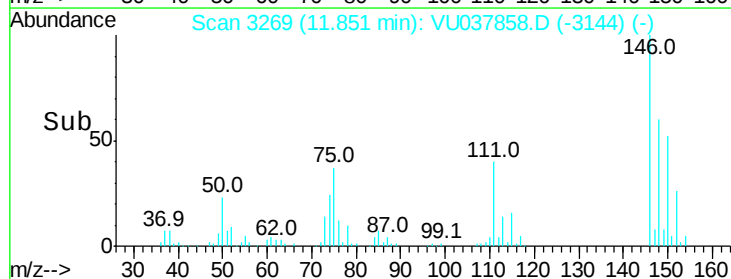
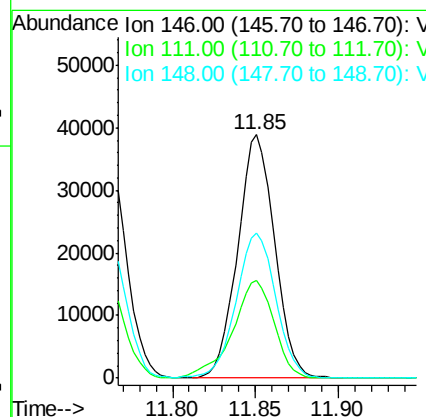
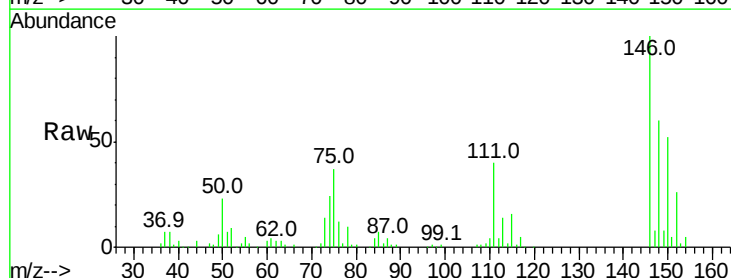
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00533

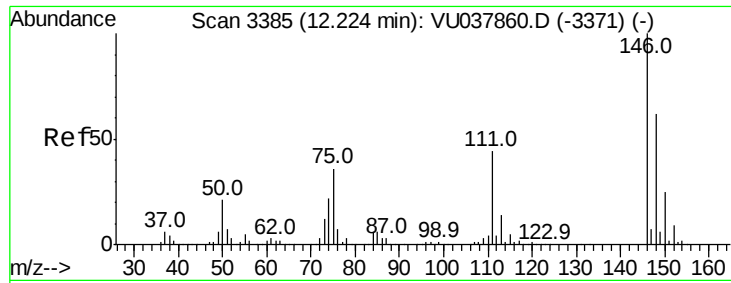
Tgt Ion:146 Resp: 60180
 Ion Ratio Lower Upper
 146 100
 111 40.3 29.0 53.9
 148 62.5 44.5 82.7



#63
 1,4-Dichlorobenzene
 Concen: 7.847 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. 0.00 min
 Lab File: VU037858.D
 Acq: 23 Apr 2020 12:15

Tgt Ion:146 Resp: 60247
 Ion Ratio Lower Upper
 146 100
 111 40.2 27.2 50.4
 148 59.6 43.9 81.5





#65

1,2-Dichlorobenzene

Concen: 7.761 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU037858.D

Acq: 23 Apr 2020 12:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD00533

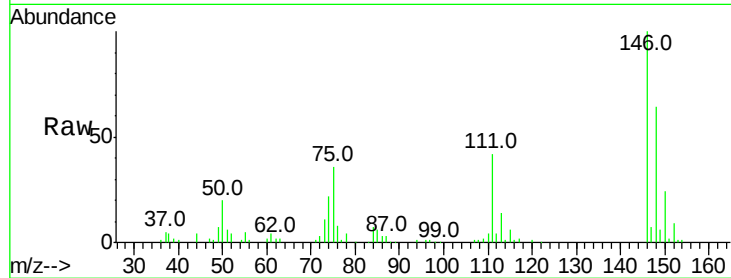
Tgt Ion:146 Resp: 58220

Ion Ratio Lower Upper

146 100

111 42.5 35.4 53.2

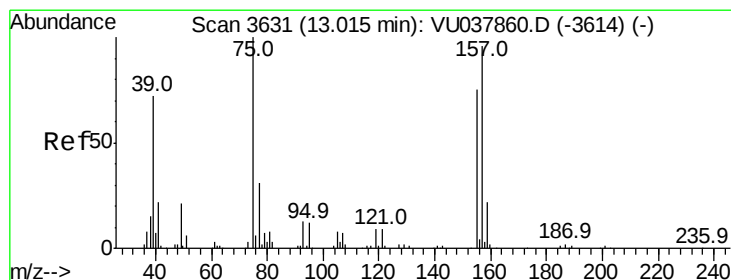
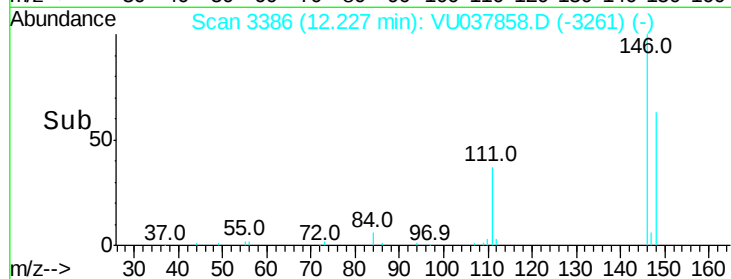
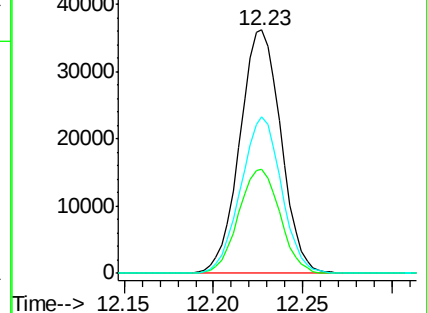
148 64.5 49.8 74.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 7.533 ug/L

RT: 13.02 min Scan# 3632

Delta R.T. 0.00 min

Lab File: VU037858.D

Acq: 23 Apr 2020 12:15

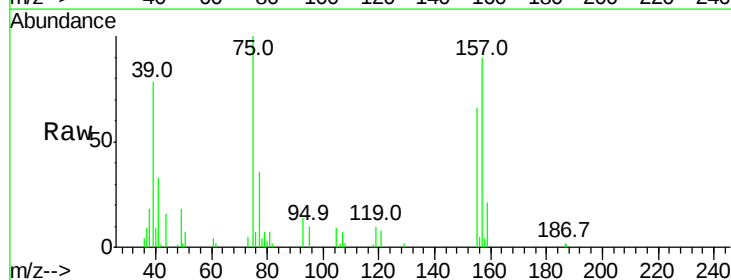
Tgt Ion: 75 Resp: 12350

Ion Ratio Lower Upper

75 100

155 65.8 59.6 89.4

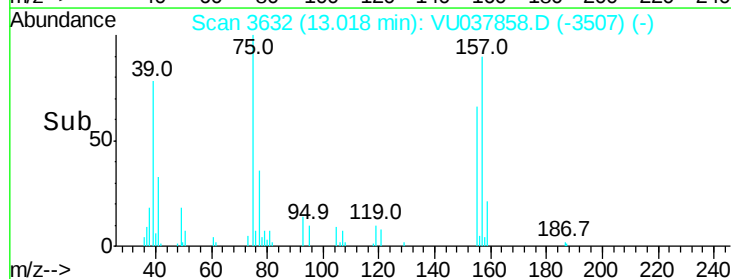
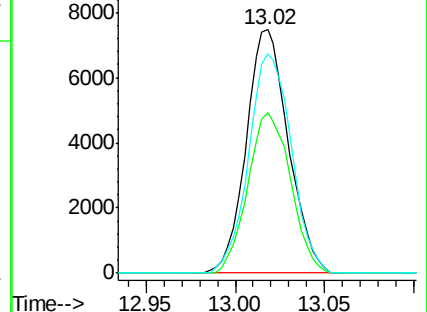
157 90.2 77.2 115.8

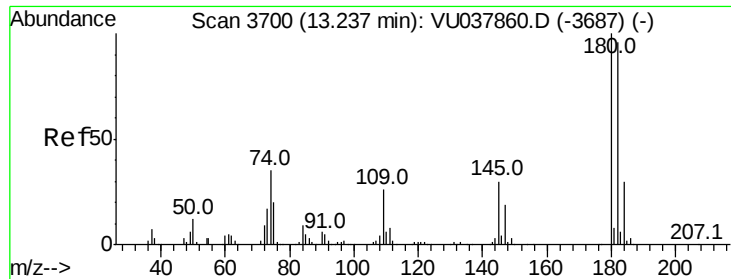


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

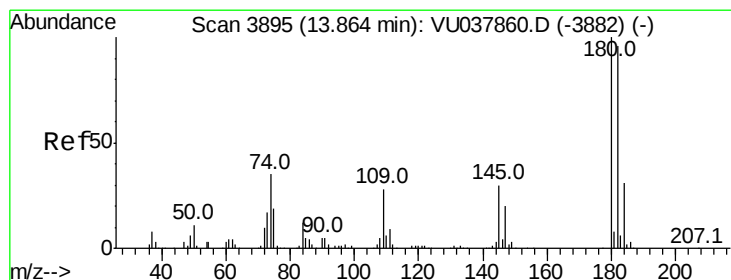
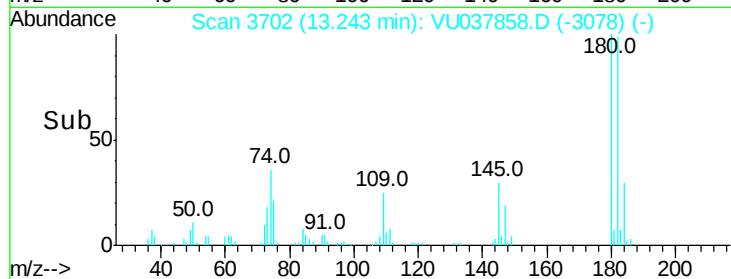
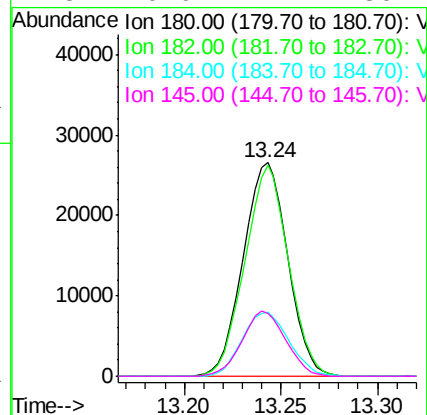
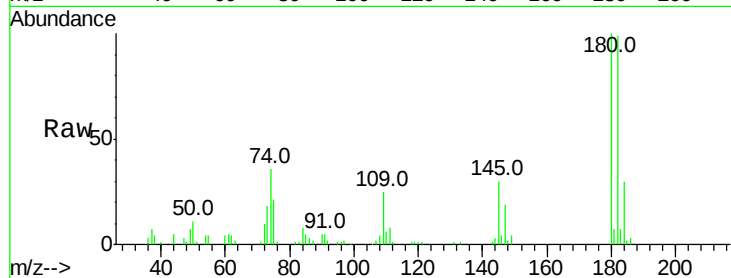




#67
 1,3,5-Trichlorobenzene
 Concen: 7.695 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. 0.01 min
 Lab File: VU037858.D
 Acq: 23 Apr 2020 12:15

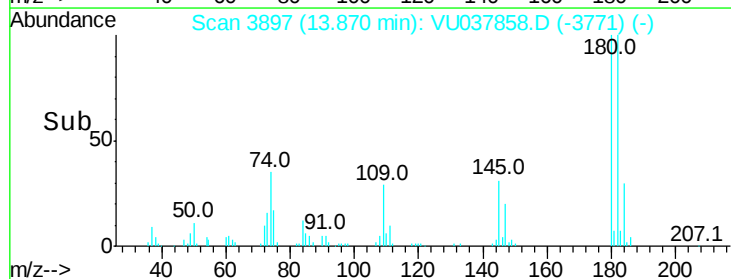
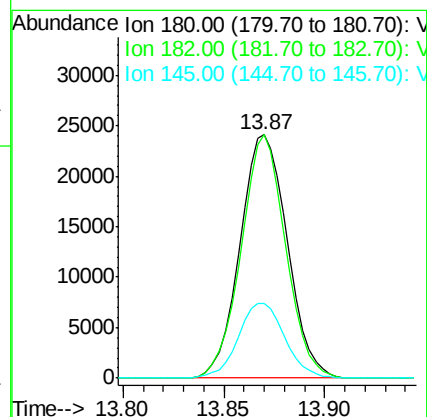
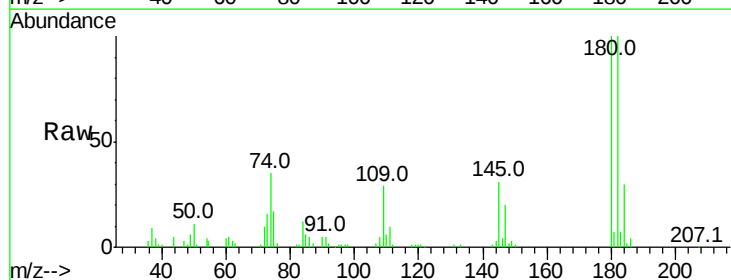
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00533

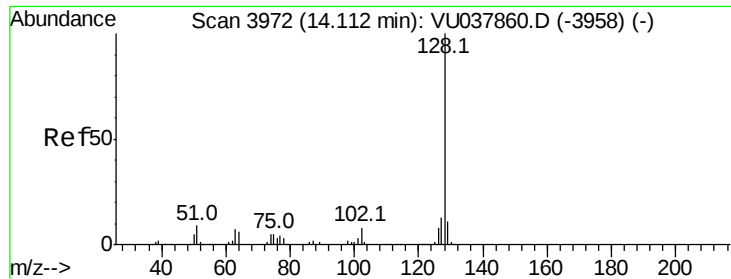
Tgt Ion:	180	Resp:	42475
Ion	Ratio	Lower	Upper
180	100		
182	96.5	76.5	114.7
184	31.5	24.2	36.4
145	29.9	24.2	36.4



#68
 1,2,4-trichlorobenzene
 Concen: 7.541 ug/L
 RT: 13.87 min Scan# 3897
 Delta R.T. 0.01 min
 Lab File: VU037858.D
 Acq: 23 Apr 2020 12:15

Tgt Ion:	180	Resp:	39597
Ion	Ratio	Lower	Upper
180	100		
182	93.8	76.9	115.3
145	30.3	23.8	35.8





#69

Naphthalene

Concen: 7.306 ug/L

RT: 14.12 min Scan# 3974

Delta R.T. 0.01 min

Lab File: VU037858.D

Acq: 23 Apr 2020 12:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD00533

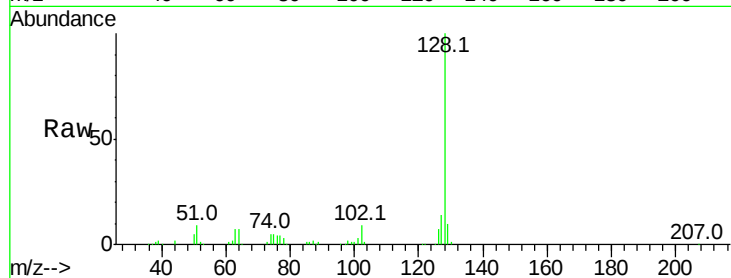
Tgt Ion:128 Resp: 135131

Ion Ratio Lower Upper

128 100

127 14.1 10.5 15.7

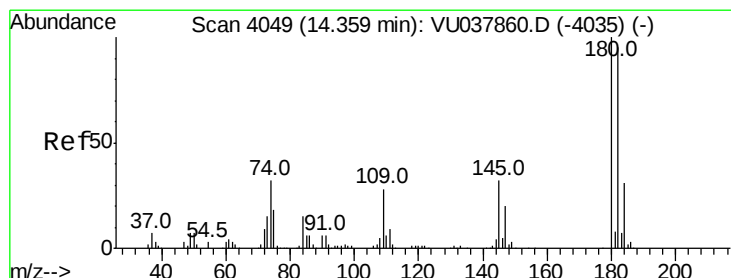
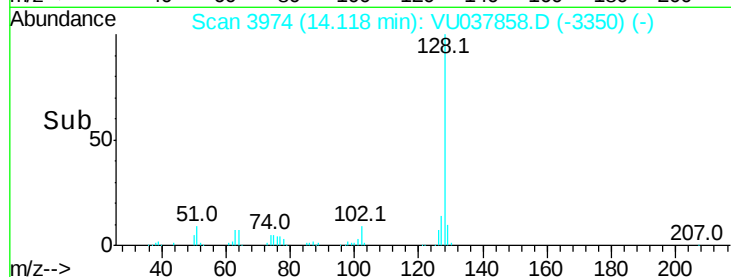
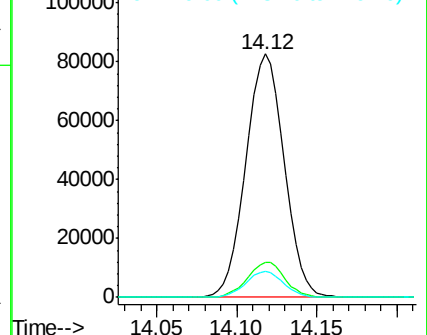
129 10.5 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 7.536 ug/L

RT: 14.37 min Scan# 4051

Delta R.T. 0.01 min

Lab File: VU037858.D

Acq: 23 Apr 2020 12:15

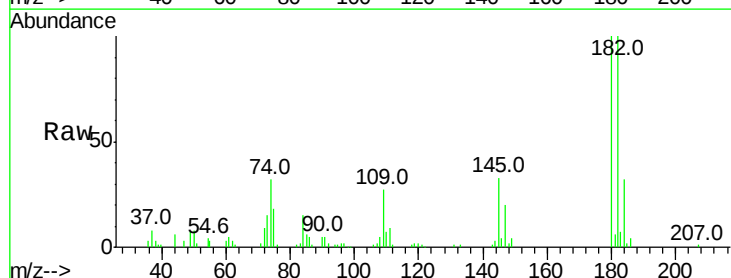
Tgt Ion:180 Resp: 39380

Ion Ratio Lower Upper

180 100

182 96.7 76.6 114.8

145 32.4 26.1 39.1



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

