

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061220\
 Data File : VU038814.D
 Acq On : 11 Jun 2020 09:50
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB11

Quant Time: Jun 12 00:58:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jun 11 01:23:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	341854	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	338512	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	176257	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	101298	4.58	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.60%
7) Chloroethane-d5	1.93	69	82236	4.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.80%
11) 1,1-Dichloroethene-d2	2.59	63	211303	4.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.00%
20) 2-Butanone-d5	4.68	46	369545	54.98	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.96%
24) Chloroform-d	5.10	84	213094	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.60%
26) 1,2-Dichloroethane-d4	5.74	65	117936	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.00%
32) Benzene-d6	5.76	84	407253	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.40%
36) 1,2-Dichloropropane-d6	6.72	67	122878	4.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.60%
41) Toluene-d8	7.92	98	365536	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.40%
43) trans-1,3-Dichloropropene-	8.20	79	54673	4.89	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.80%
46) 2-Hexanone-d5	8.66	63	297059	53.82	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.64%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	109884	4.98	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.60%
64) 1,2-Dichlorobenzene-d4	12.20	152	146271	4.81	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	125802	4.669	ug/L 99
3) Chloromethane	1.53	50	101562	4.105	ug/L 99
5) Vinyl chloride	1.62	62	114982	4.337	ug/L 98
6) Bromomethane	1.87	94	69253	5.381	ug/L 99
8) Chloroethane	1.95	64	71774	4.518	ug/L 98
9) Trichlorofluoromethane	2.16	101	187973	5.345	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	112918	5.452	ug/L 96
12) 1,1-Dichloroethene	2.60	96	105317	5.002	ug/L 98
13) Acetone	2.68	43	243323	55.318	ug/L 99
14) Carbon disulfide	2.82	76	286124	4.005	ug/L 99
15) Methyl Acetate	2.99	43	57204	5.309	ug/L 100
16) Methylene chloride	3.08	84	121457	5.098	ug/L 98
17) Methyl tert-butyl Ether	3.40	73	292904	5.306	ug/L 98
18) trans-1,2-Dichloroethene	3.38	96	110004	4.848	ug/L 97
19) 1,1-Dichloroethane	3.91	63	212459	5.232	ug/L 98
21) 2-Butanone	4.76	43	399548	54.005	ug/L 95
22) cis-1,2-Dichloroethene	4.71	96	124148	5.082	ug/L 93

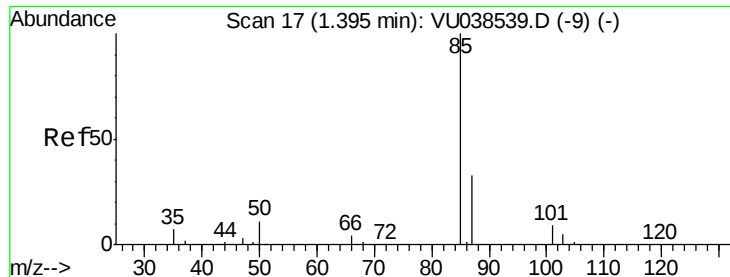
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061220\
 Data File : VU038814.D
 Acq On : 11 Jun 2020 09:50
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB11

Quant Time: Jun 12 00:58:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jun 11 01:23:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	55931	5.087	ug/L	99
25) Chloroform	5.12	83	221500	5.370	ug/L	100
27) 1,2-Dichloroethane	5.83	62	152857	5.264	ug/L	100
29) 1,1,1-Trichloroethane	5.35	97	192097	5.363	ug/L	99
30) Cyclohexane	5.42	56	176239	4.692	ug/L	99
31) Carbon tetrachloride	5.56	117	161342	5.410	ug/L	99
33) Benzene	5.81	78	470977	4.989	ug/L	100
34) Trichloroethene	6.57	95	123552	5.043	ug/L	98
35) Methylcyclohexane	6.79	83	183332	4.833	ug/L	98
37) 1,2-Dichloropropane	6.82	63	121449	5.113	ug/L	99
38) Bromodichloromethane	7.13	83	160407	5.438	ug/L	97
39) cis-1,3-Dichloropropene	7.63	75	185142	5.274	ug/L	96
40) 4-Methyl-2-pentanone	7.82	43	872786	51.378	ug/L	99
42) Toluene	8.00	91	511907	5.170	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	163348	5.268	ug/L	98
45) 1,1,2-Trichloroethane	8.42	97	95613	5.335	ug/L	96
47) Tetrachloroethene	8.57	164	91061	5.116	ug/L	95
48) 2-Hexanone	8.71	43	669199	52.017	ug/L	99
49) Dibromochloromethane	8.83	129	110478	5.712	ug/L	100
50) 1,2-Dibromoethane	8.95	107	88674	5.168	ug/L	99
51) Chlorobenzene	9.47	112	330760	5.180	ug/L	99
52) Ethylbenzene	9.59	91	574299	5.214	ug/L	100
53) m,p-Xylene	9.71	106	223244	5.270	ug/L	96
54) o-Xylene	10.12	106	214841	5.283	ug/L	99
55) Styrene	10.13	104	375225	5.436	ug/L	99
56) Isopropylbenzene	10.50	105	585421	5.469	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	118872	5.220	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	93196	5.257	ug/L	99
61) Bromoform	10.31	173	59589	5.427	ug/L	98
62) 1,3-Dichlorobenzene	11.76	146	273768	5.286	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	278794	5.309	ug/L	98
65) 1,2-Dichlorobenzene	12.23	146	262398	5.336	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	21107	5.301	ug/L	97
67) 1,3,5-Trichlorobenzene	13.24	180	210265	5.442	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	187089	5.232	ug/L	99
69) Naphthalene	14.12	128	370257	5.202	ug/L	99
70) 1,2,3-Trichlorobenzene	14.37	180	173413	5.329	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.669 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU038814.D

Acq: 11 Jun 2020 09:50

Instrument :

MSVOA_U

ClientSampleId :

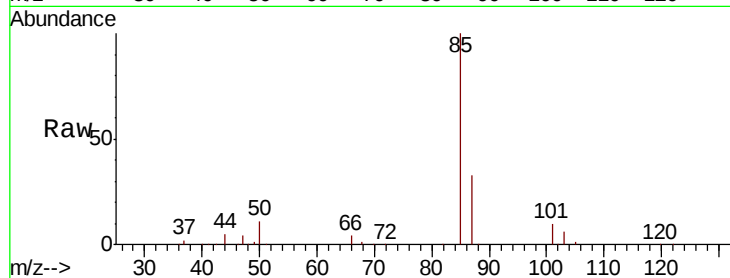
BFB11

Tot Ion: 85 Resp: 125802

Ion Ratio Lower Upper

85 100

87 32.2 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU038539.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU038539.D (-9) (-)

1.39

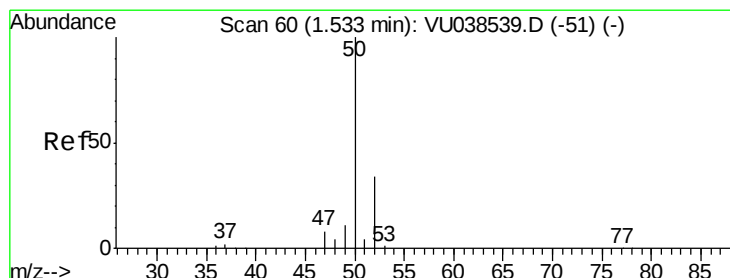
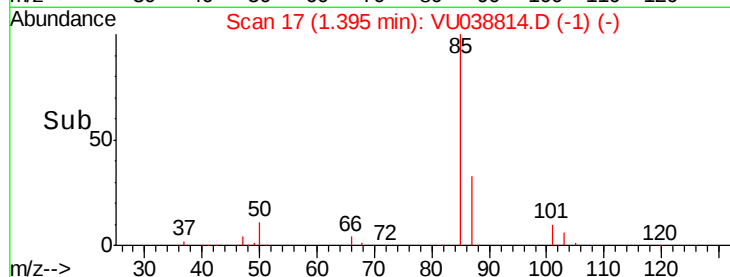
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 4.105 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU038814.D

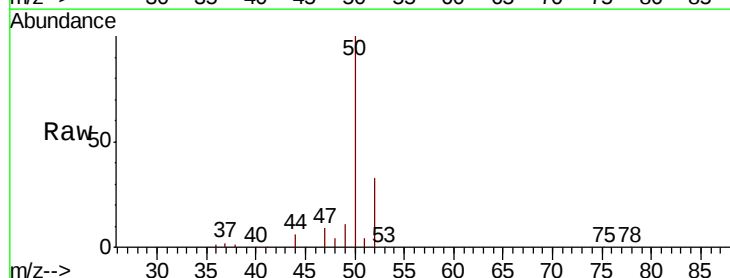
Acq: 11 Jun 2020 09:50

Tgt Ion: 50 Resp: 101562

Ion Ratio Lower Upper

50 100

52 33.1 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VU038539.D (-51) (-)

Ion 52.05 (51.75 to 52.75): VU038539.D (-51) (-)

1.53

100000

80000

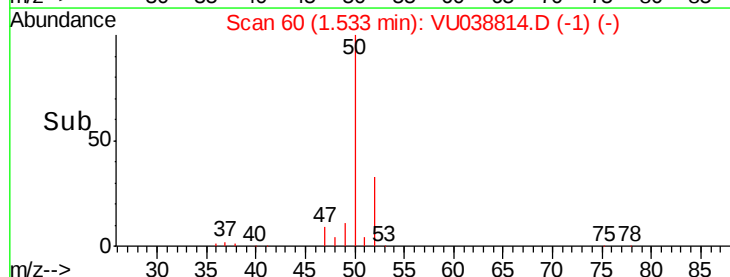
60000

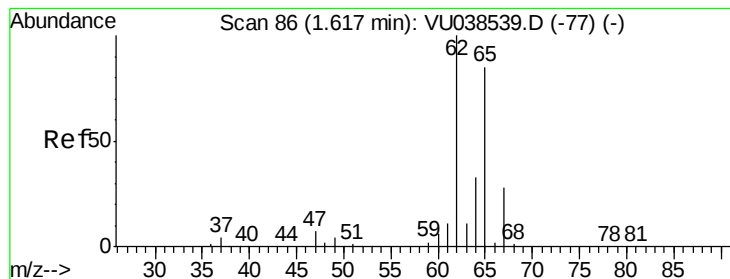
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 4.337 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU038814.D

Acq: 11 Jun 2020 09:50

Instrument :

MSVOA_U

ClientSampleId :

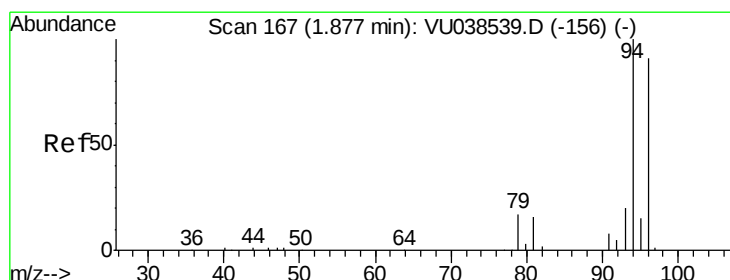
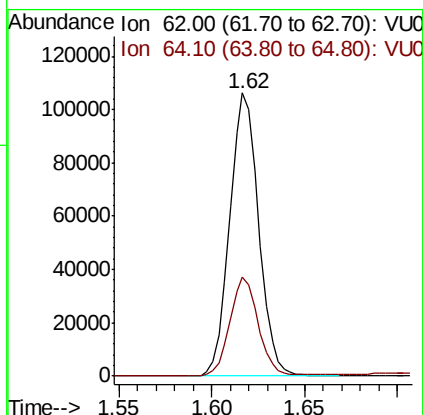
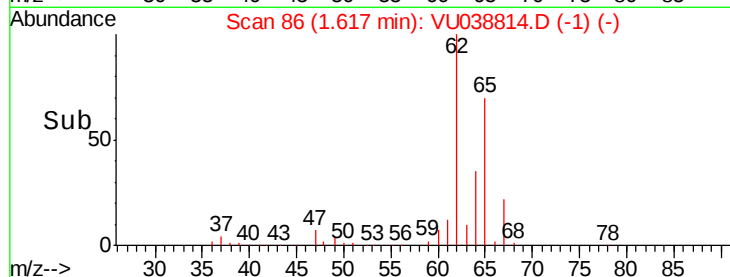
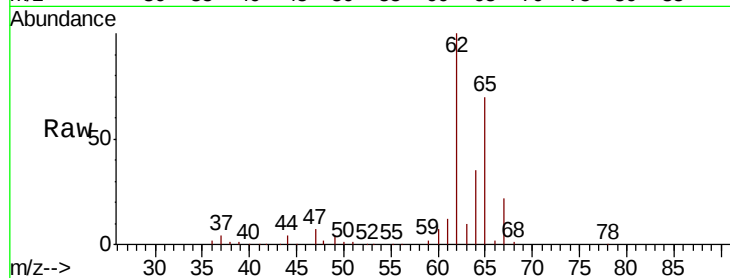
BFB11

Tot Ion: 62 Resp: 114982

Ion Ratio Lower Upper

62 100

64 35.0 23.7 43.9



#6

Bromomethane

Concen: 5.381 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU038814.D

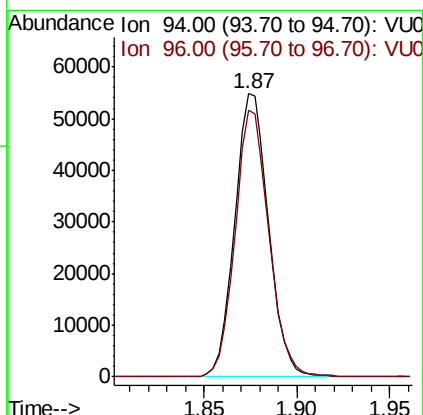
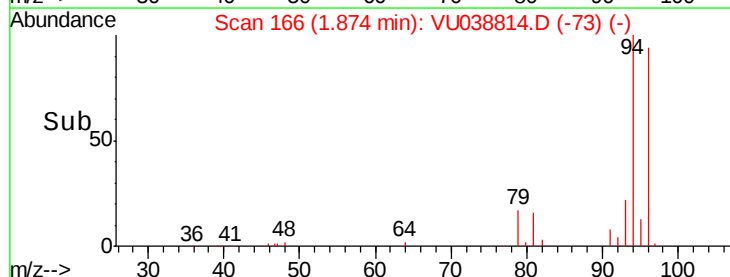
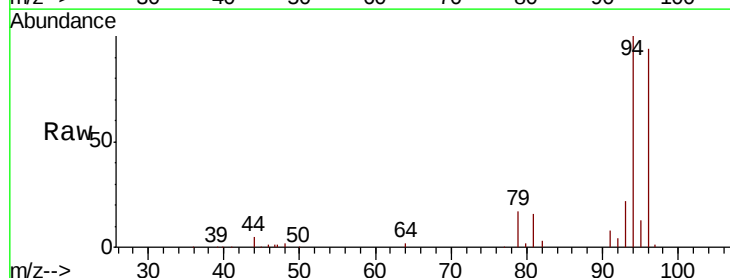
Acq: 11 Jun 2020 09:50

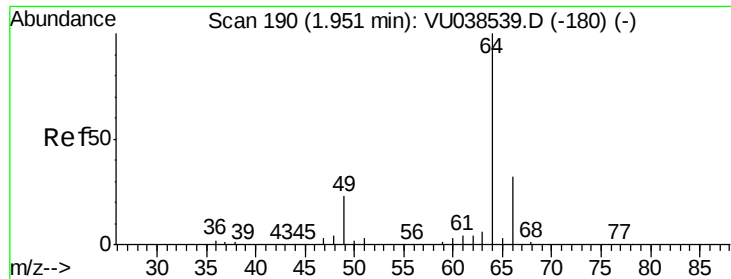
Tgt Ion: 94 Resp: 69253

Ion Ratio Lower Upper

94 100

96 94.3 65.5 121.6





#8

Chloroethane

Concen: 4.518 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU038814.D

Acq: 11 Jun 2020 09:50

Instrument :

MSVOA_U

ClientSampleId :

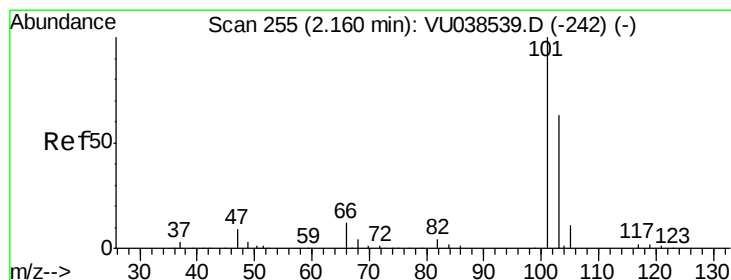
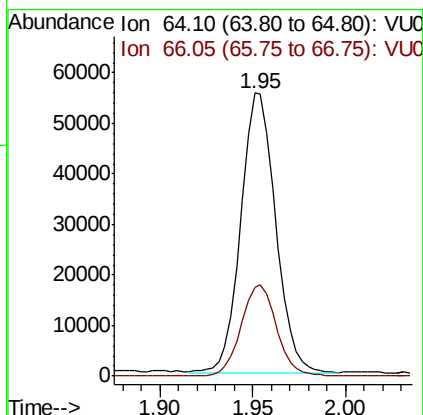
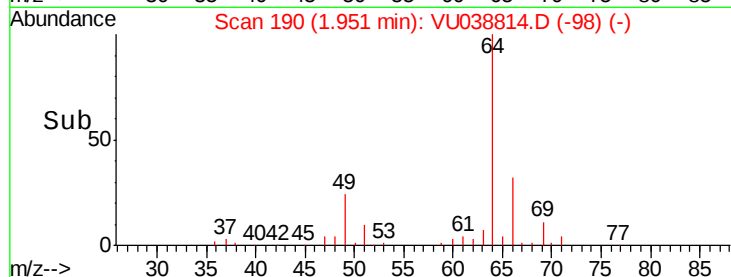
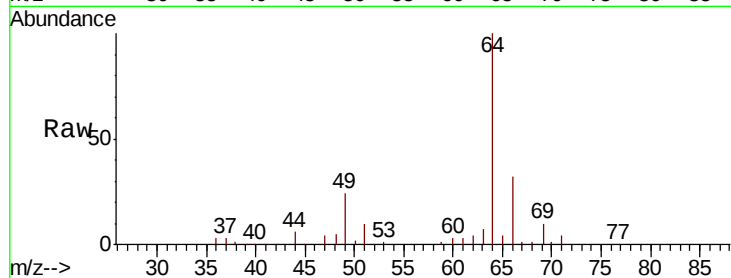
BFB11

Tot Ion: 64 Resp: 71774

Ion Ratio Lower Upper

64 100

66 31.6 21.5 39.9



#9

Trichlorofluoromethane

Concen: 5.345 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU038814.D

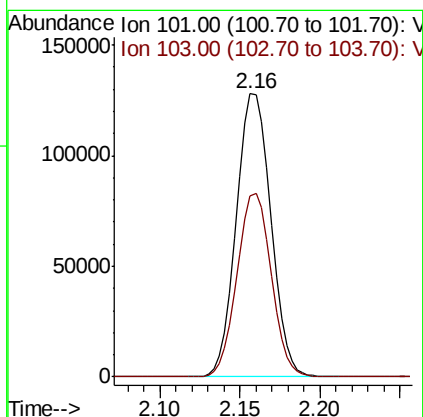
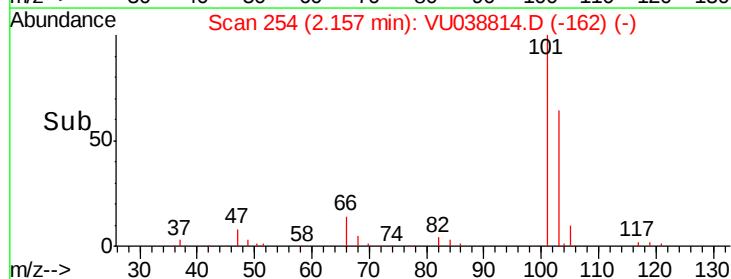
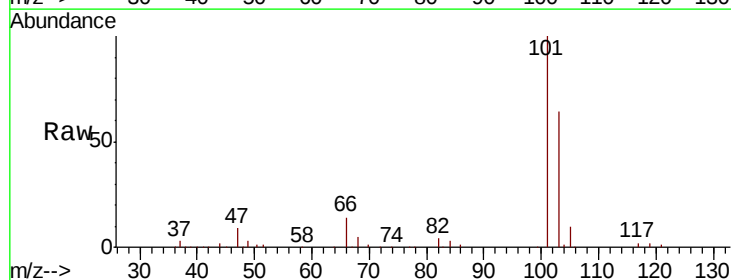
Acq: 11 Jun 2020 09:50

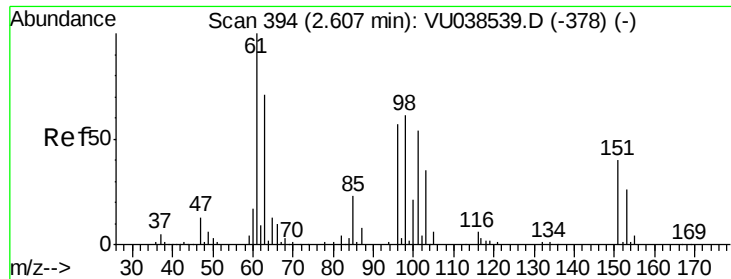
Tgt Ion:101 Resp: 187973

Ion Ratio Lower Upper

101 100

103 64.1 51.1 76.7





#10

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

Concen: 5.452 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038814.D

Acq: 11 Jun 2020 09:50

Instrument :

MSVOA_U

ClientSampleId :

BFB11

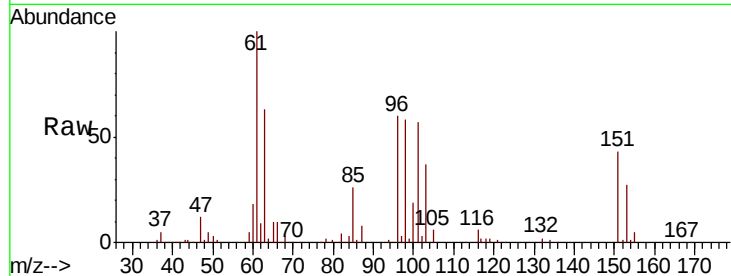
Tot Ion:101 Resp: 112918

Ion Ratio Lower Upper

101 100

85 45.8 34.0 51.0

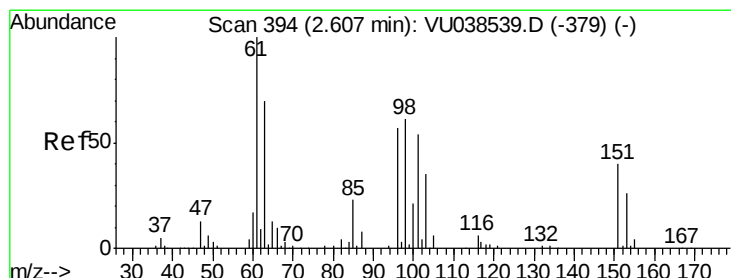
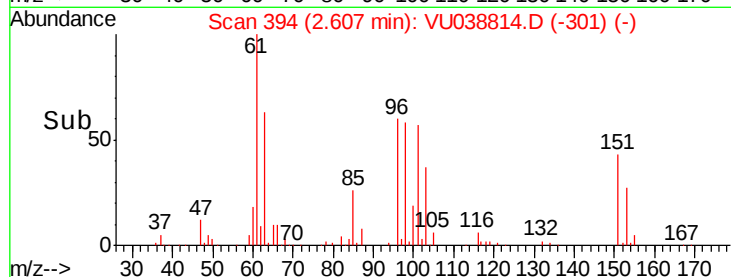
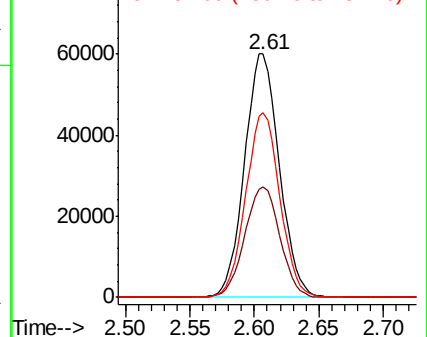
151 74.3 56.9 85.3



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: 5.002 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU038814.D

Acq: 11 Jun 2020 09:50

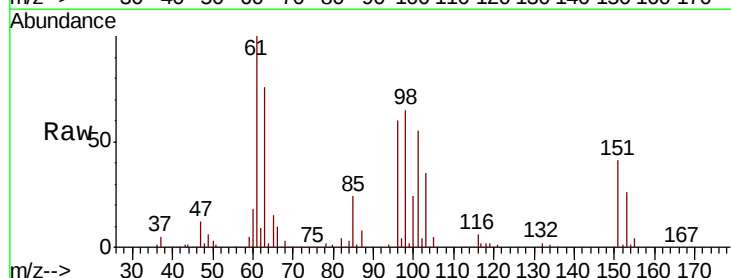
Tgt Ion: 96 Resp: 105317

Ion Ratio Lower Upper

96 100

61 167.9 119.9 222.7

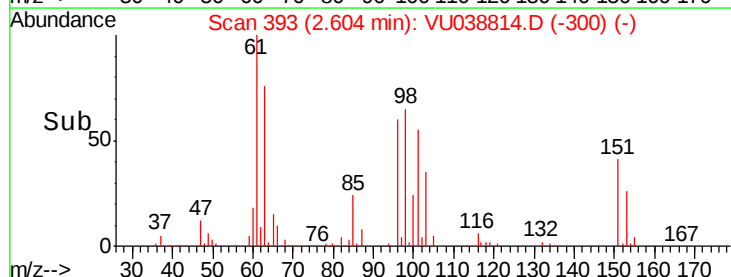
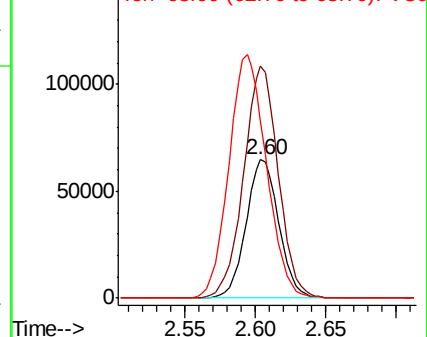
63 128.1 89.9 167.0

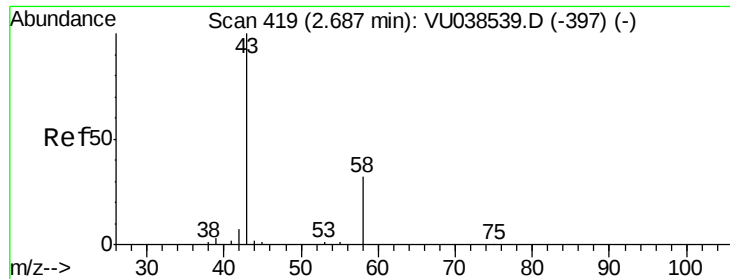


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 55.318 ug/L

RT: 2.68 min Scan# 418

Delta R.T. 0.00 min

Lab File: VU038814.D

Acq: 11 Jun 2020 09:50

Instrument :

MSVOA_U

ClientSampled :

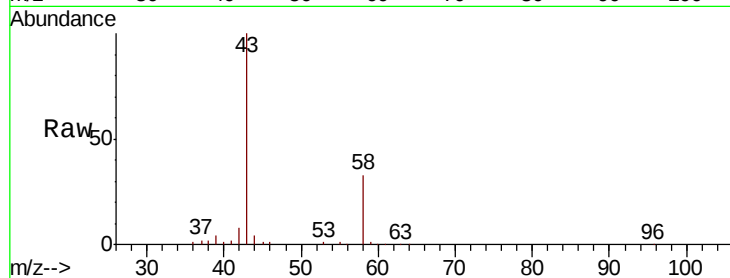
BFB11

Tot Ion: 43 Resp: 243323

Ion Ratio Lower Upper

43 100

58 32.5 0.0 65.6



Abundance Ion 43.05 (42.75 to 43.75): VU038814.D (-325) (-)

Ion 58.05 (57.75 to 58.75): VU038814.D (-325) (-)

2.68

50000

40000

30000

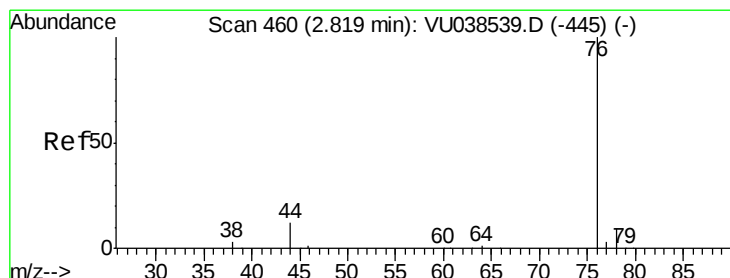
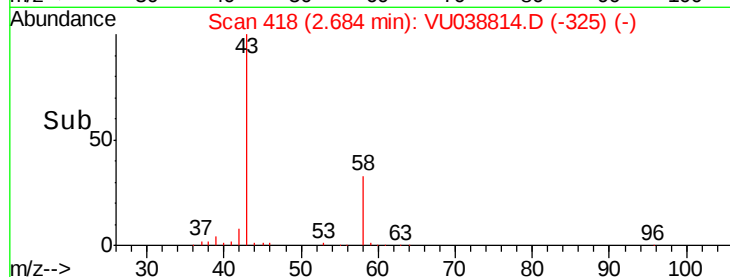
20000

10000

0

Time-->

2.60 2.80 3.00



#14

Carbon disulfide

Concen: 4.005 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU038814.D

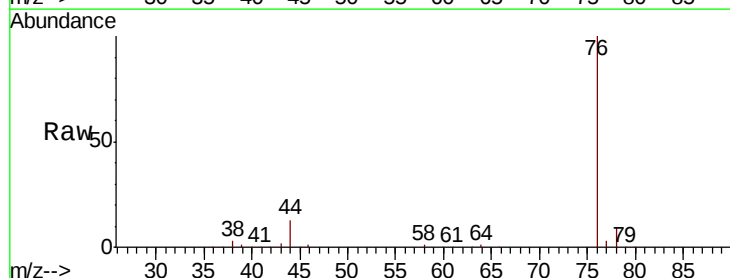
Acq: 11 Jun 2020 09:50

Tgt Ion: 76 Resp: 286124

Ion Ratio Lower Upper

76 100

78 8.8 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VU038814.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VU038814.D (-367) (-)

2.82

200000

150000

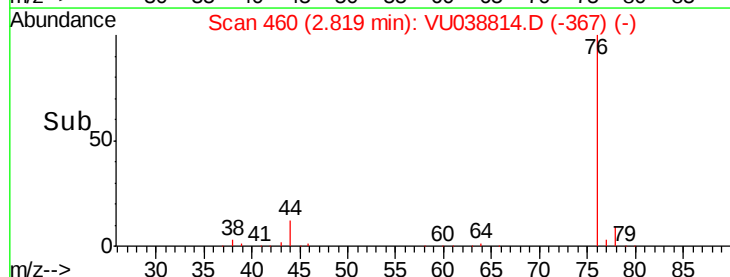
100000

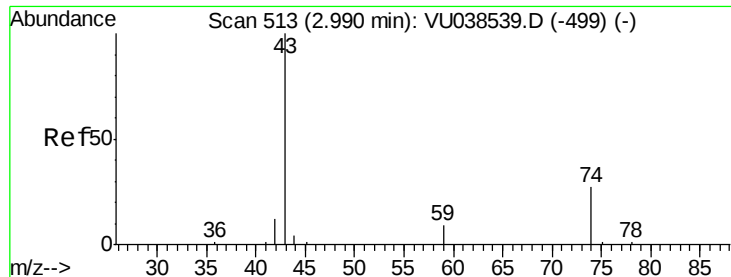
50000

0

Time-->

2.75 2.80 2.85 2.90





#15

Methyl Acetate

Concen: 5.309 ug/L

RT: 2.99 min Scan# 513

Delta R.T. 0.00 min

Lab File: VU038814.D

Acq: 11 Jun 2020 09:50

Instrument :

MSVOA_U

ClientSampleId :

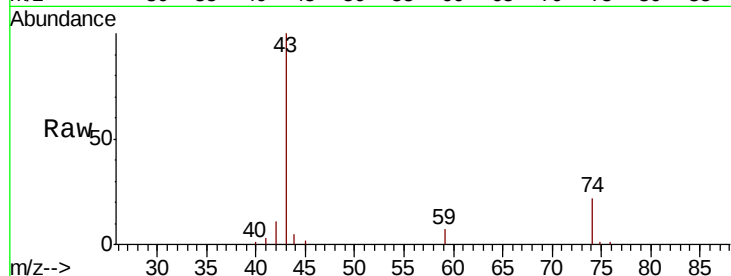
BFB11

Tot Ion: 43 Resp: 57204

Ion Ratio Lower Upper

43 100

74 24.0 19.2 28.8



Abundance Ion 43.05 (42.75 to 43.75): VU038539.D (-499) (-)

Ion 74.05 (73.75 to 74.75): VU038539.D (-499) (-)

2.99

25000

20000

15000

10000

5000

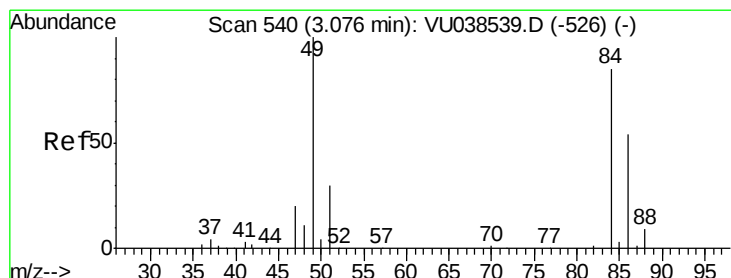
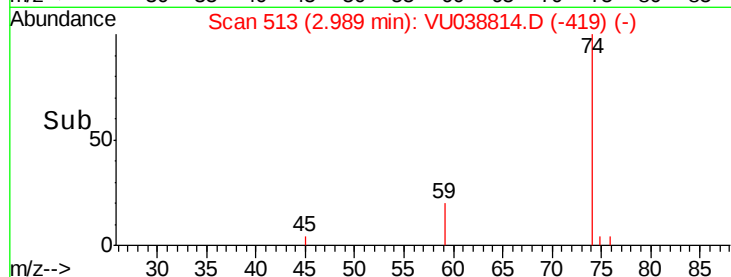
0

Time-->

2.90

3.00

3.10



#16

Methylene chloride

Concen: 5.098 ug/L

RT: 3.08 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU038814.D

Acq: 11 Jun 2020 09:50

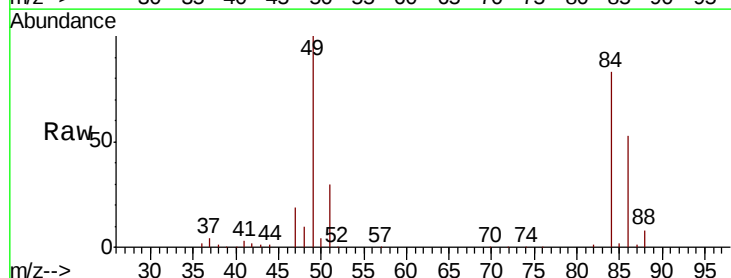
Tgt Ion: 84 Resp: 121457

Ion Ratio Lower Upper

84 100

86 63.2 45.0 83.6

49 120.0 85.5 158.9



Abundance Ion 84.05 (83.75 to 84.75): VU038539.D (-526) (-)

Ion 86.00 (85.70 to 86.70): VU038539.D (-526) (-)

Ion 49.10 (48.80 to 49.80): VU038539.D (-526) (-)

3.08

100000

80000

60000

40000

20000

0

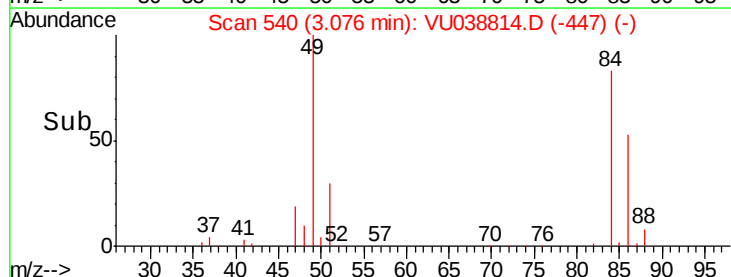
Time-->

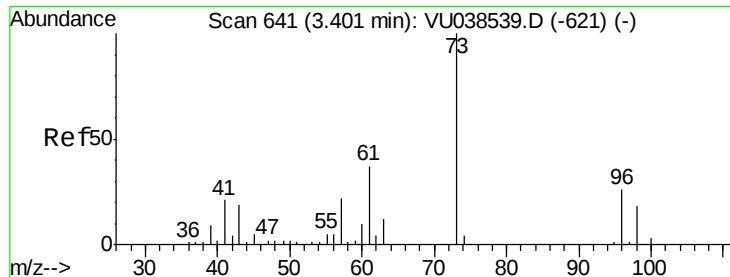
3.00

3.05

3.10

3.15

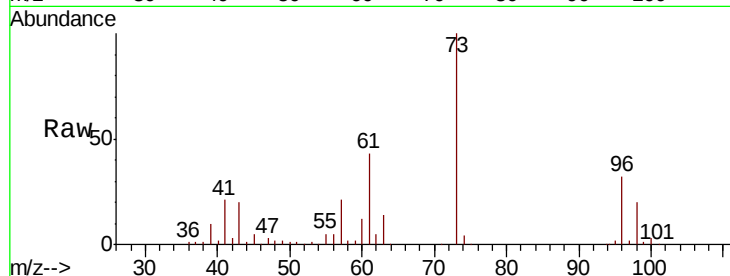




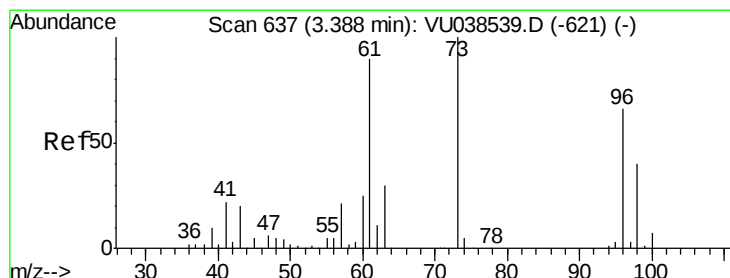
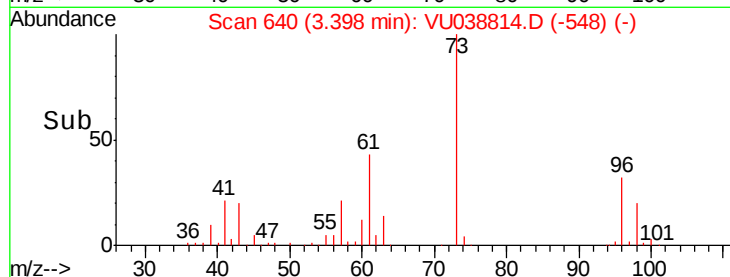
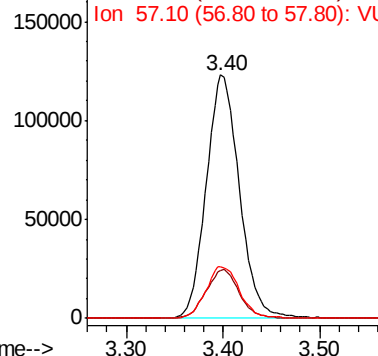
#17
Methvl tert-butvl Ether
Concen: 5.306 ug/L
RT: 3.40 min Scan# 640
Delta R.T. -0.00 min
Lab File: VU038814.D
Acq: 11 Jun 2020 09:50

Instrument :
MSVOA_U
ClientSampleId :
BFB11

Tot Ion: 73 Resp: 292904
Ion Ratio Lower Upper
73 100
43 20.4 15.5 23.3
57 21.7 17.8 26.6

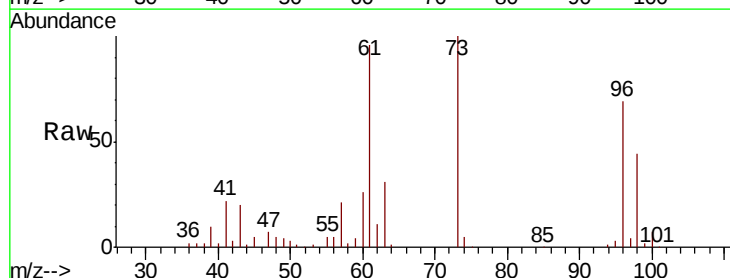


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

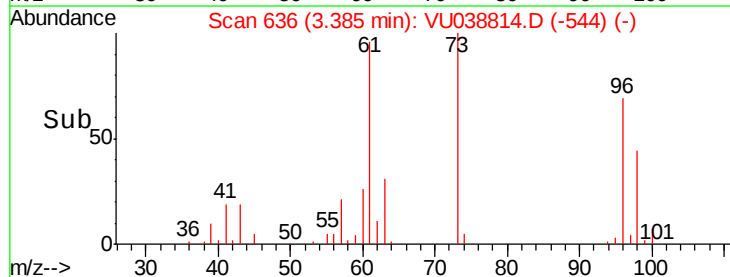
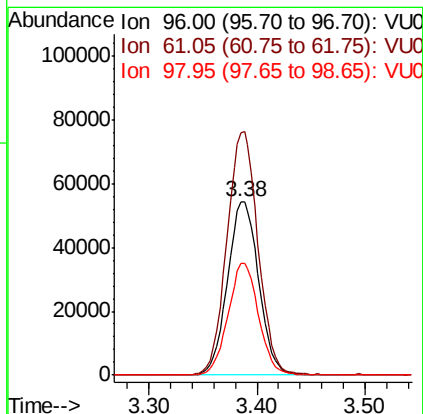


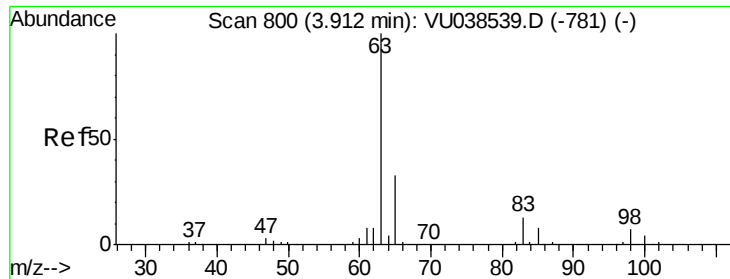
#18
trans-1,2-Dichloroethene
Concen: 4.848 ug/L
RT: 3.38 min Scan# 636
Delta R.T. -0.00 min
Lab File: VU038814.D
Acq: 11 Jun 2020 09:50

Tgt Ion: 96 Resp: 110004
Ion Ratio Lower Upper
96 100
61 139.7 100.2 186.0
98 64.4 42.8 79.4



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

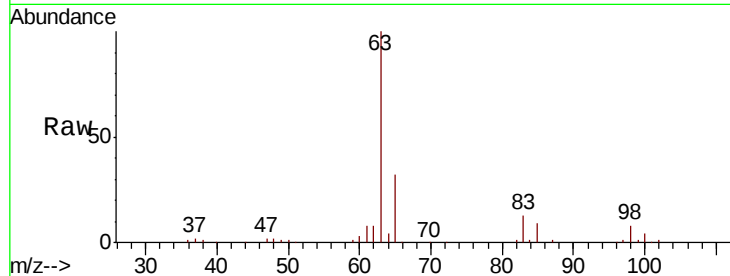




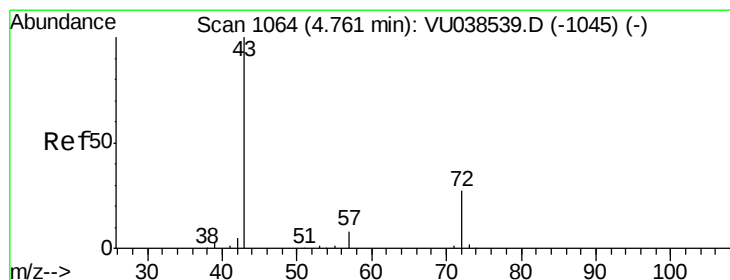
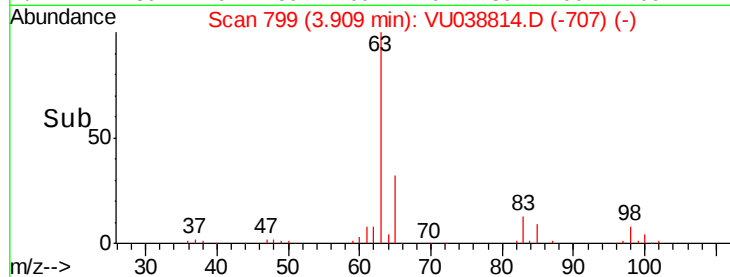
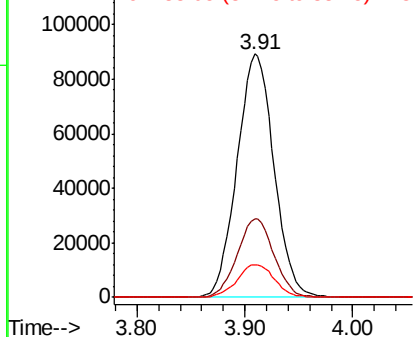
#19
 1,1-Dichloroethane
 Concen: 5.232 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: VU038814.D
 Acq: 11 Jun 2020 09:50

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB11

Tot Ion: 63 Resp: 212459
 Ion Ratio Lower Upper
 63 100
 65 32.5 22.3 41.5
 83 13.3 10.4 19.4

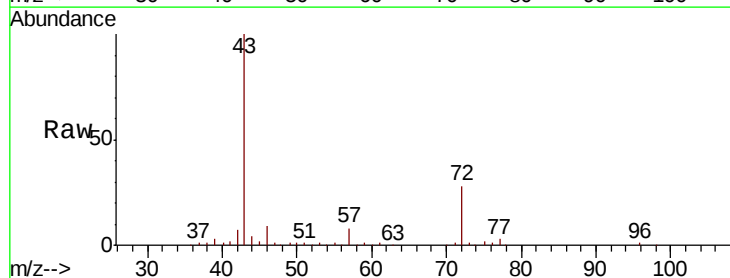


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

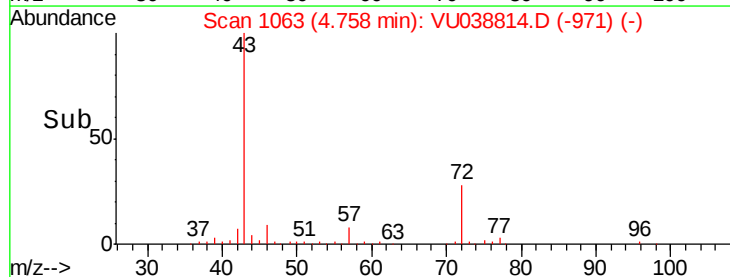
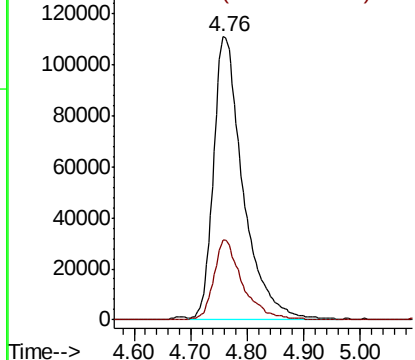


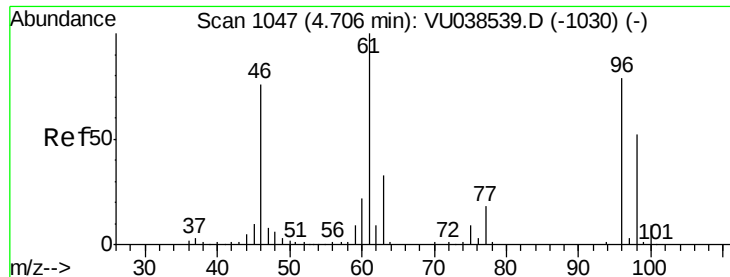
#21
 2-Butanone
 Concen: 54.005 ug/L
 RT: 4.76 min Scan# 1063
 Delta R.T. -0.00 min
 Lab File: VU038814.D
 Acq: 11 Jun 2020 09:50

Tgt Ion: 43 Resp: 399548
 Ion Ratio Lower Upper
 43 100
 72 27.9 12.6 37.8



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 5.082 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU038814.D

Acq: 11 Jun 2020 09:50

Instrument :

MSVOA_U

ClientSampleId :

BFB11

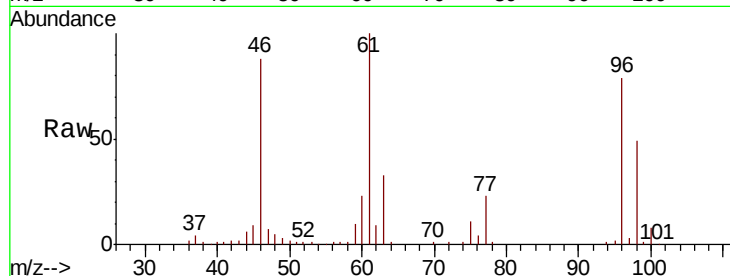
Tot Ion: 96 Resp: 124148

Ion Ratio Lower Upper

96 100

61 126.4 94.0 174.6

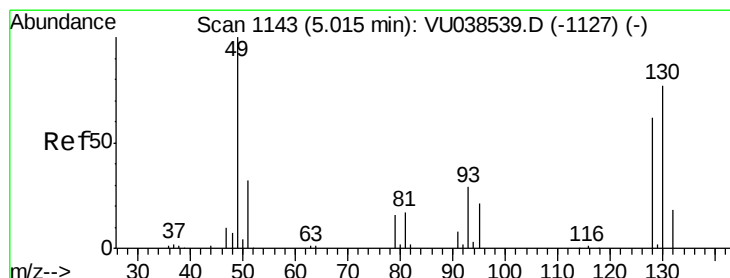
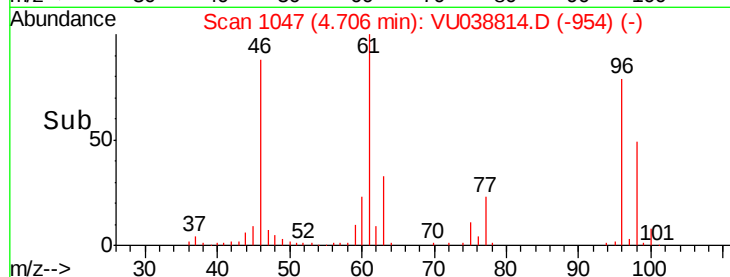
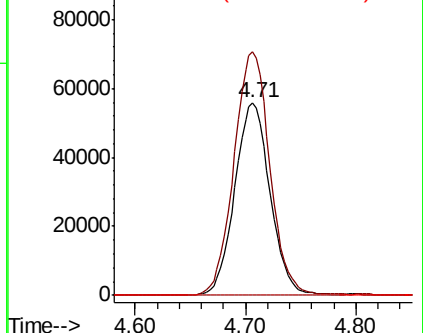
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU038814.D (-954) (-)

Ion 61.05 (60.75 to 61.75): VU038814.D (-954) (-)

Ion 68.15 (67.85 to 68.85): VU038814.D (-954) (-)



#23

Bromochloromethane

Concen: 5.087 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU038814.D

Acq: 11 Jun 2020 09:50

Tgt Ion: 128 Resp: 55931

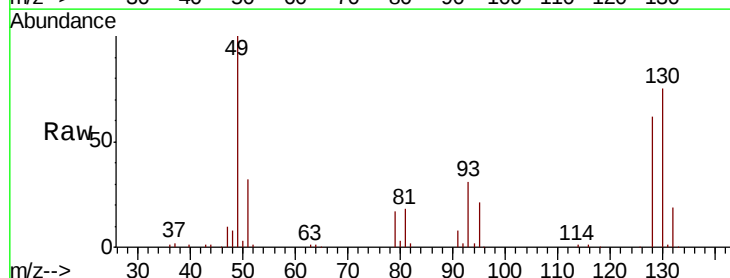
Ion Ratio Lower Upper

128 100

49 160.3 111.9 207.7

130 120.8 86.5 160.7

51 51.4 41.7 62.5

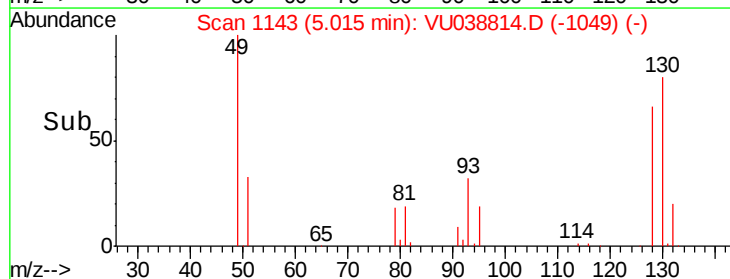
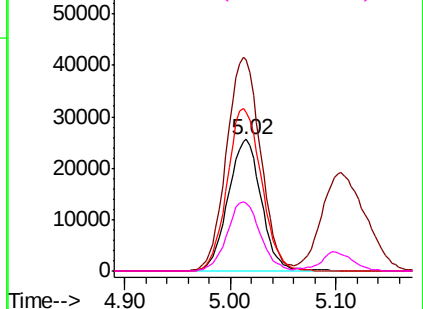


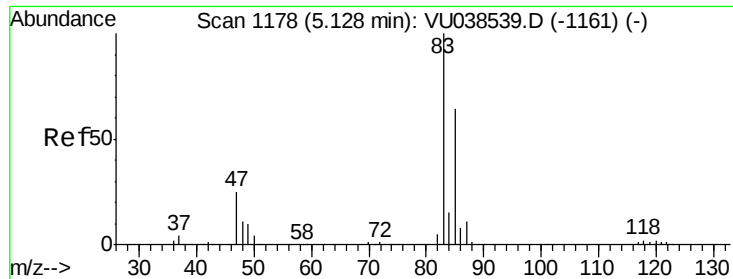
Abundance Ion 127.90 (127.60 to 128.60): VU038814.D (-1049) (-)

Ion 49.10 (48.80 to 49.80): VU038814.D (-1049) (-)

Ion 129.95 (129.65 to 130.65): VU038814.D (-1049) (-)

Ion 51.05 (50.75 to 51.75): VU038814.D (-1049) (-)

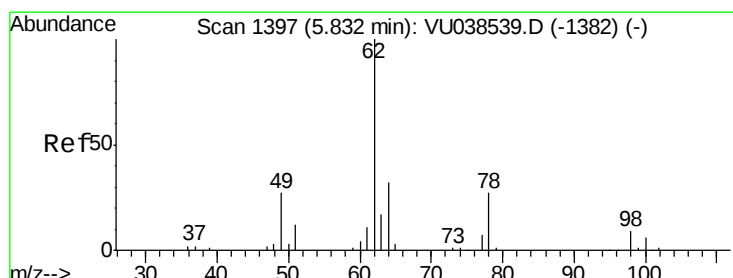
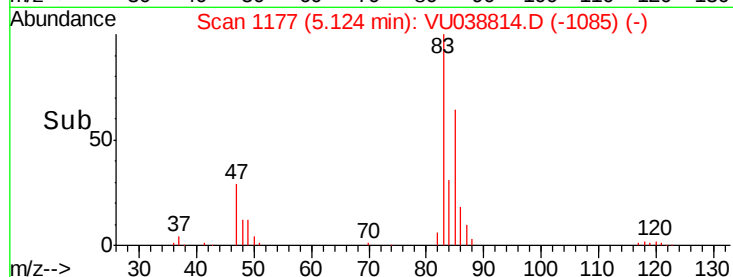
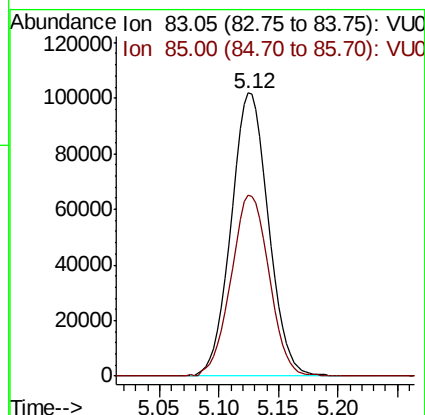
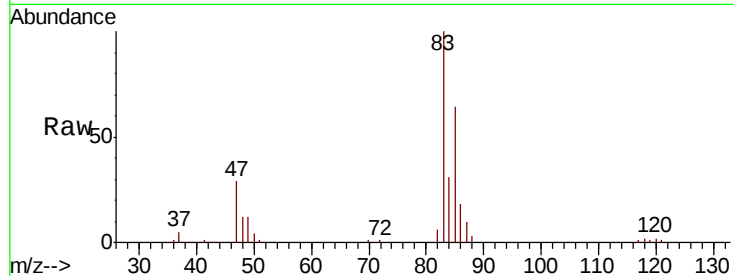




#25
Chloroform
Concen: 5.370 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VU038814.D
Acq: 11 Jun 2020 09:50

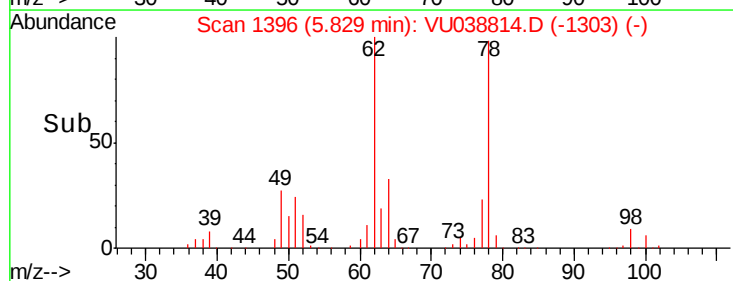
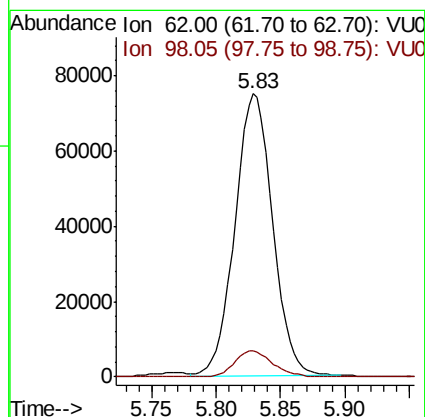
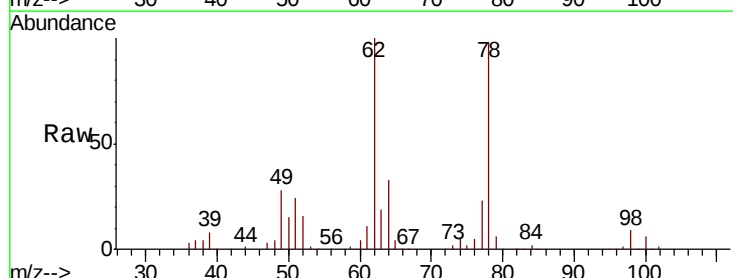
Instrument :
MSVOA_U
ClientSampleId :
BFB11

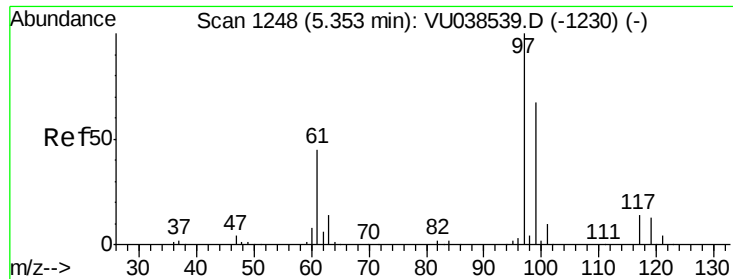
Tot Ion: 83 Resp: 221500
Ion Ratio Lower Upper
83 100
85 63.9 44.9 83.5



#27
1,2-Dichloroethane
Concen: 5.264 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU038814.D
Acq: 11 Jun 2020 09:50

Tgt Ion: 62 Resp: 152857
Ion Ratio Lower Upper
62 100
98 9.4 7.4 11.2

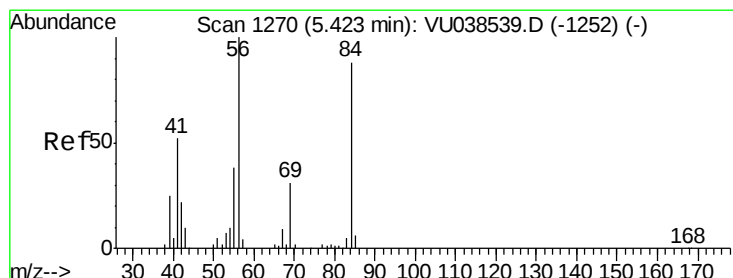
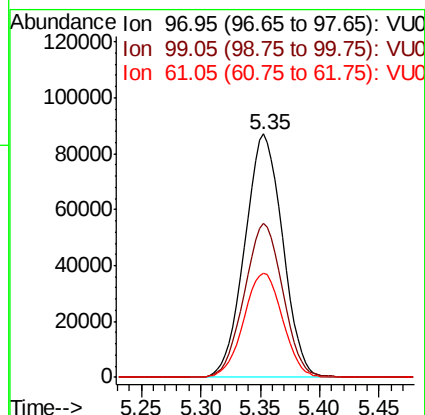
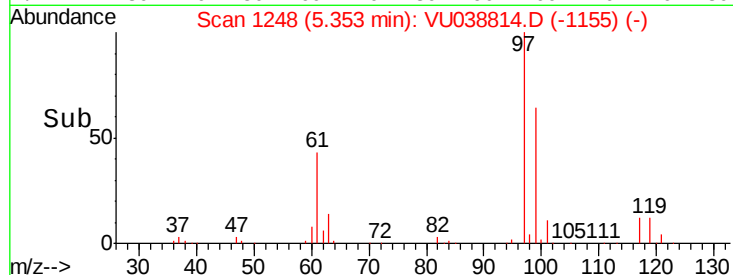
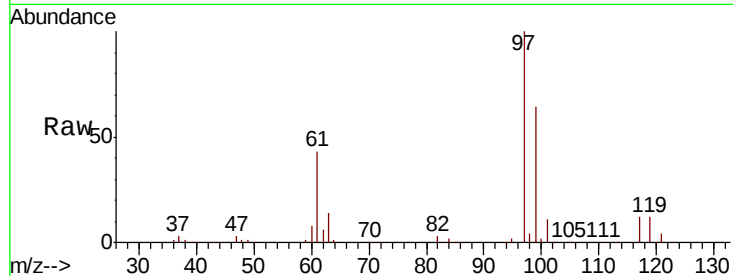




#29
 1,1,1-Trichloroethane
 Concen: 5.363 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VU038814.D
 Acq: 11 Jun 2020 09:50

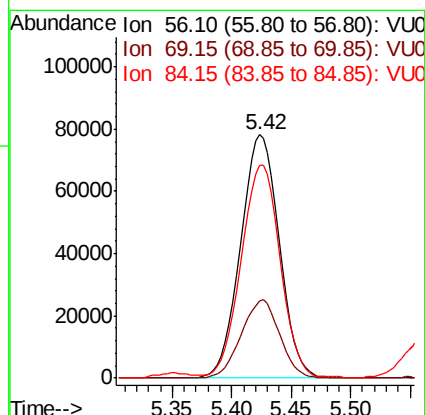
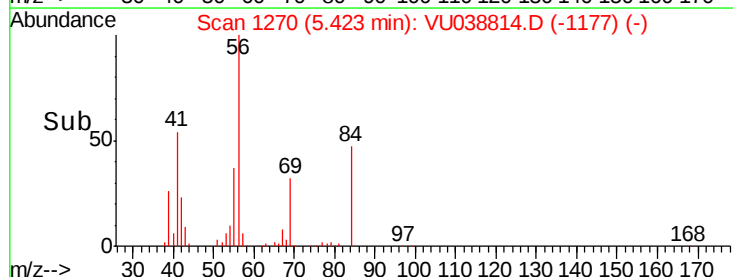
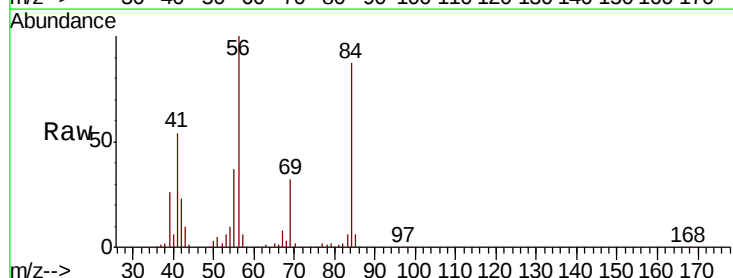
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB11

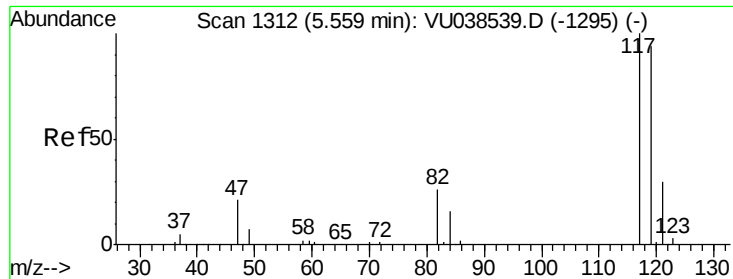
Tot Ion: 97 Resp: 192097
 Ion Ratio Lower Upper
 97 100
 99 64.2 52.2 78.2
 61 43.9 35.4 53.2



#30
 Cyclohexane
 Concen: 4.692 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VU038814.D
 Acq: 11 Jun 2020 09:50

Tgt Ion: 56 Resp: 176239
 Ion Ratio Lower Upper
 56 100
 69 31.9 24.2 36.4
 84 88.7 70.8 106.2





#31

Carbon tetrachloride

Concen: 5.410 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU038814.D

Acq: 11 Jun 2020 09:50

Instrument :

MSVOA_U

ClientSampleId :

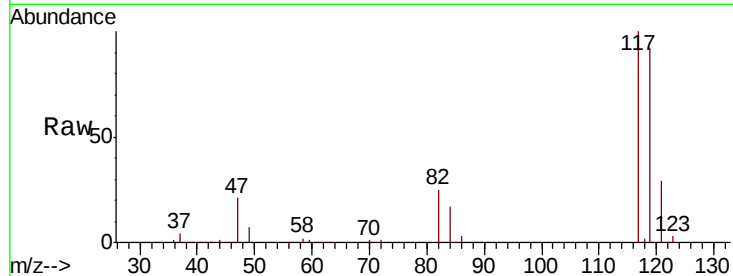
BFB11

Tot Ion:117 Resp: 161342

Ion Ratio Lower Upper

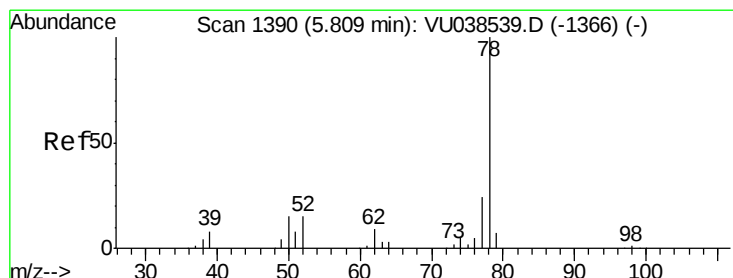
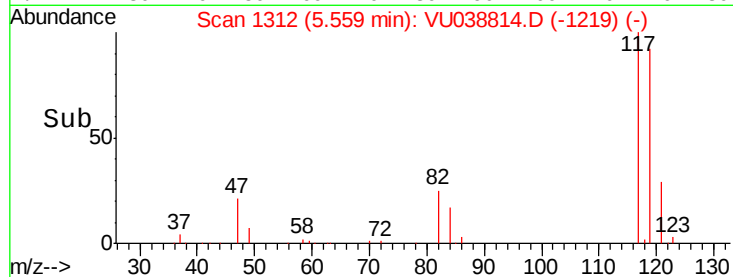
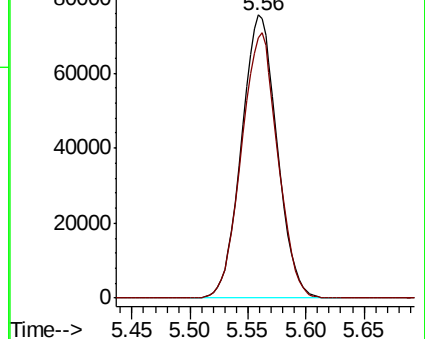
117 100

119 95.2 76.6 115.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.989 ug/L

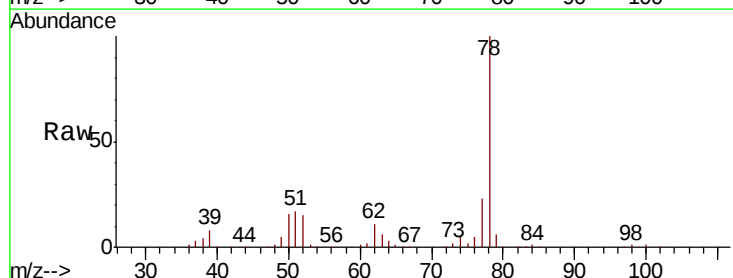
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

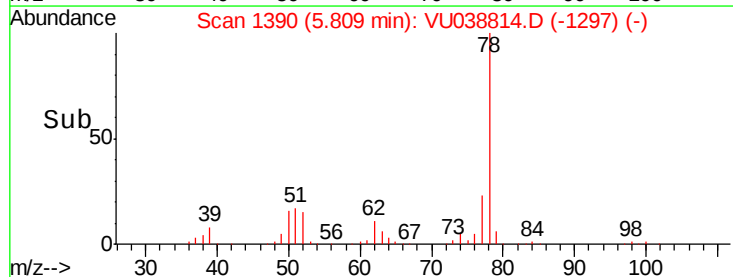
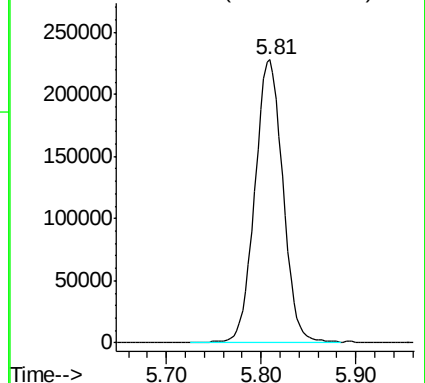
Lab File: VU038814.D

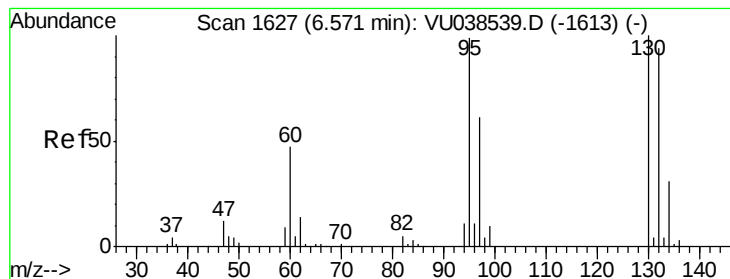
Acq: 11 Jun 2020 09:50

Tgt Ion: 78 Resp: 470977



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.043 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VU038814.D

Acq: 11 Jun 2020 09:50

Instrument :

MSVOA_U

ClientSampled :

BFB11

Tot Ion: 95 Resp: 123552

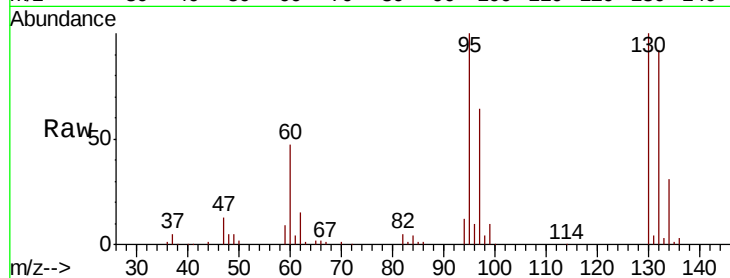
Ion Ratio Lower Upper

95 100

97 64.3 46.8 87.0

132 91.6 66.1 122.7

130 99.6 70.0 130.0

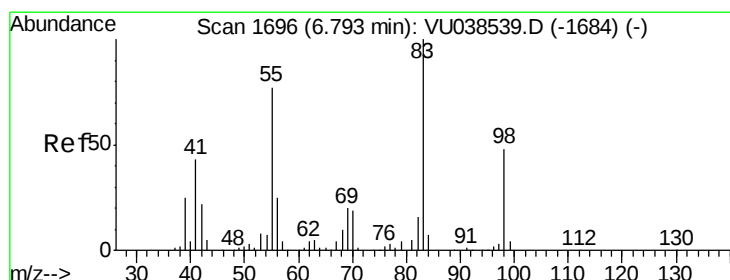
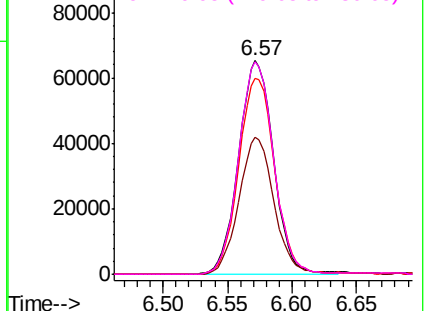
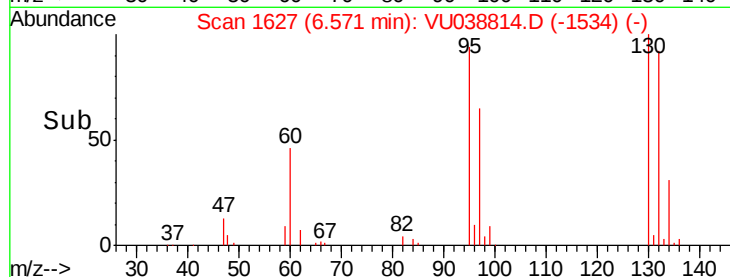


Abundance Ion 95.00 (94.70 to 95.70): VU038814.D (-1613) (-)

Ion 96.95 (96.65 to 97.65): VU038814.D (-1613) (-)

Ion 131.95 (131.65 to 132.65): VU038814.D (-1613) (-)

Ion 129.95 (129.65 to 130.65): VU038814.D (-1613) (-)



#35

Methylcyclohexane

Concen: 4.833 ug/L

RT: 6.79 min Scan# 1696

Delta R.T. 0.00 min

Lab File: VU038814.D

Acq: 11 Jun 2020 09:50

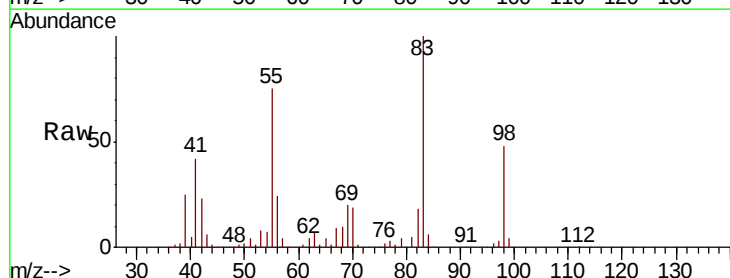
Tgt Ion: 83 Resp: 183332

Ion Ratio Lower Upper

83 100

55 77.0 63.4 95.2

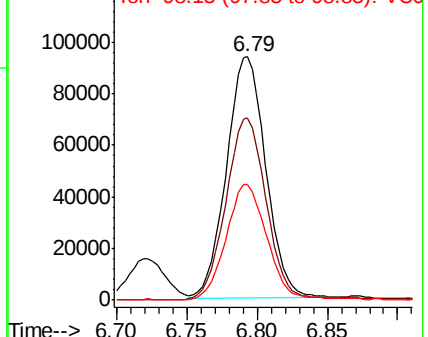
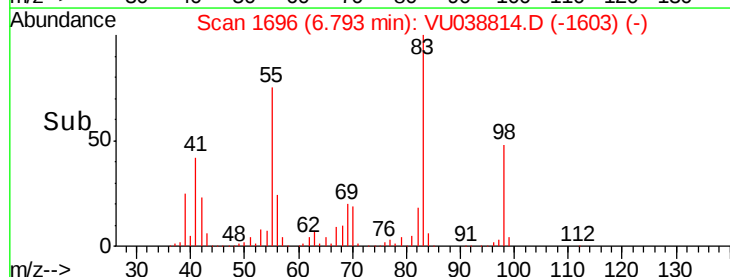
98 49.6 39.0 58.4

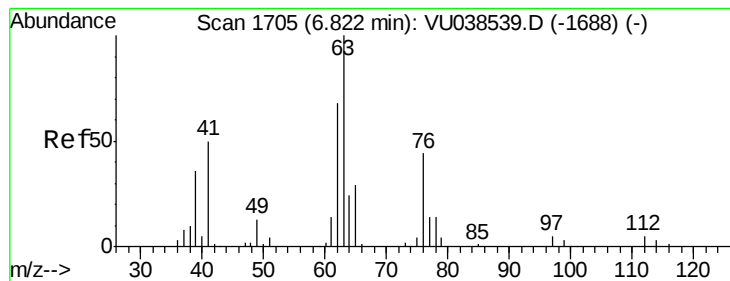


Abundance Ion 83.15 (82.85 to 83.85): VU038814.D (-1684) (-)

Ion 55.10 (54.80 to 55.80): VU038814.D (-1684) (-)

Ion 98.15 (97.85 to 98.85): VU038814.D (-1684) (-)





#37

1,2-Dichloropropane

Concen: 5.113 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. 0.00 min

Lab File: VU038814.D

Acq: 11 Jun 2020 09:50

Instrument :

MSVOA_U

ClientSampled :

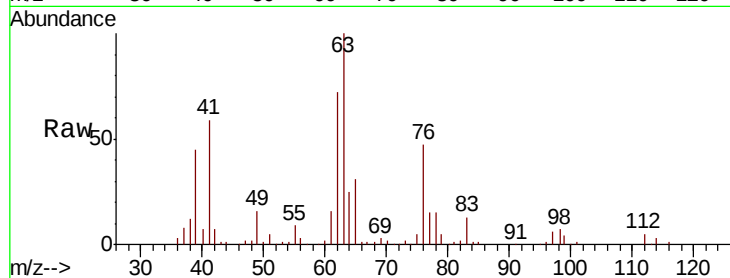
BFB11

Tot Ion: 63 Resp: 121449

Ion Ratio Lower Upper

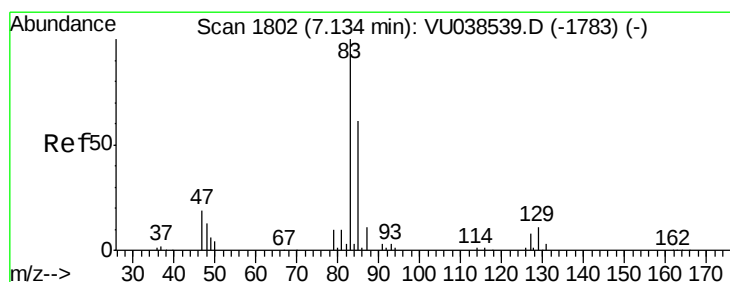
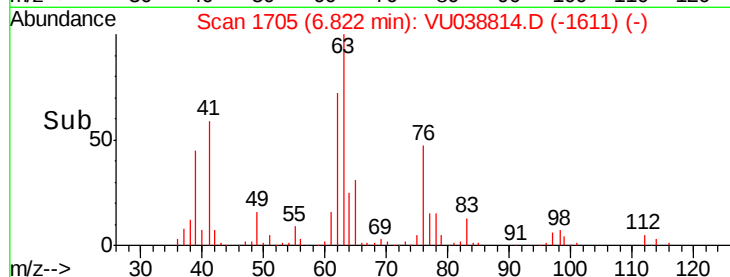
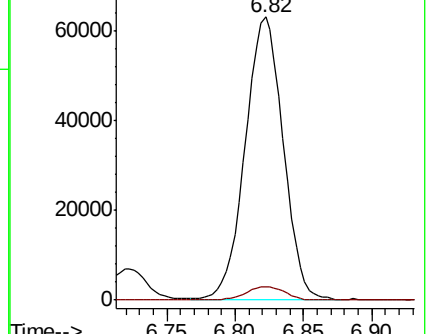
63 100

112 4.9 3.7 5.5



Abundance Ion 63.10 (62.80 to 63.80): VU038539.D (-1688) (-)

Ion 112.10 (111.80 to 112.80): VU038539.D (-1688) (-)



#38

Bromodichloromethane

Concen: 5.438 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VU038814.D

Acq: 11 Jun 2020 09:50

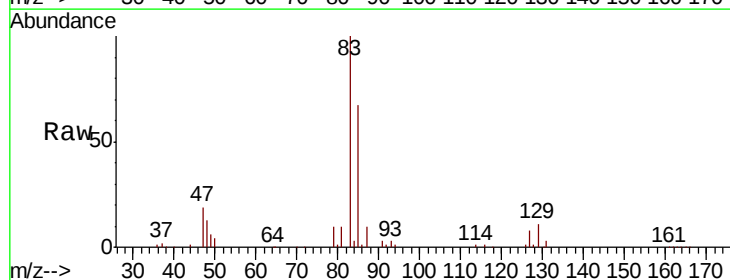
Tgt Ion: 83 Resp: 160407

Ion Ratio Lower Upper

83 100

85 66.5 44.7 83.1

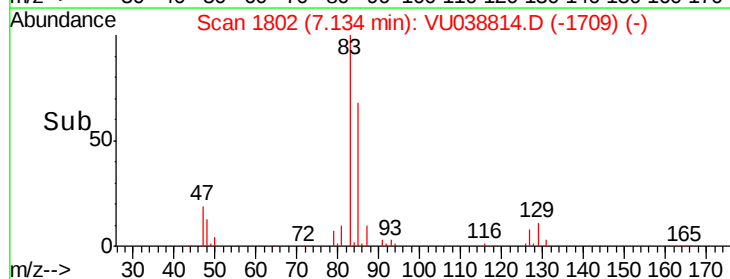
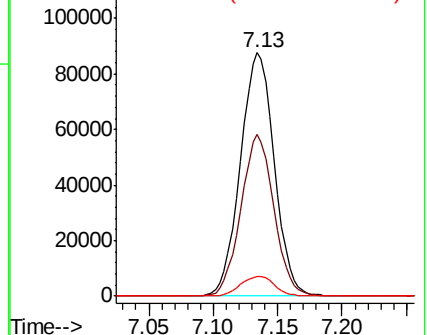
127 7.9 6.8 10.2

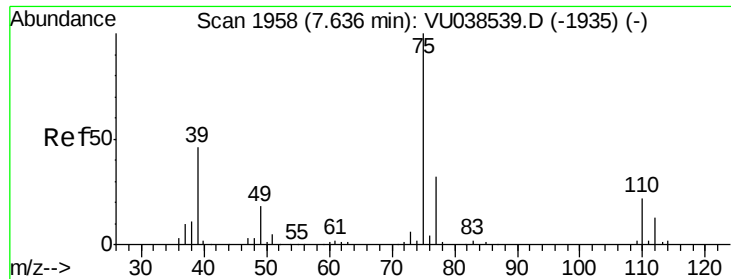


Abundance Ion 82.95 (82.65 to 83.65): VU038539.D (-1783) (-)

Ion 85.00 (84.70 to 85.70): VU038539.D (-1783) (-)

Ion 126.90 (126.60 to 127.60): VU038539.D (-1783) (-)

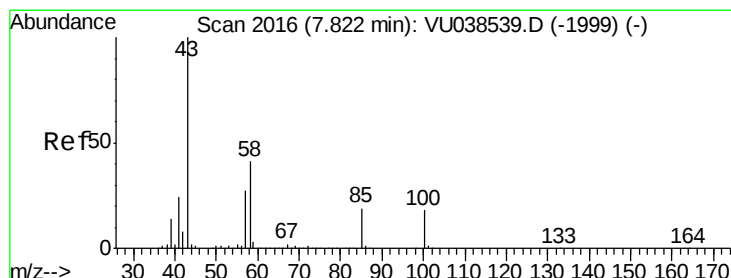
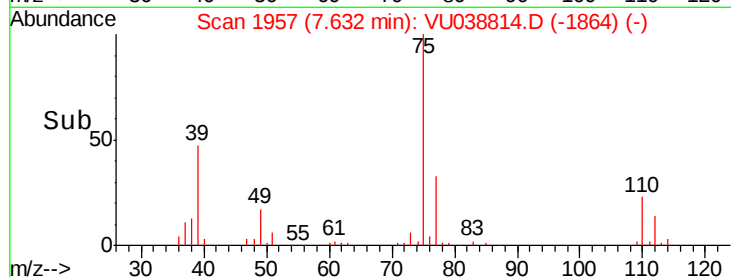
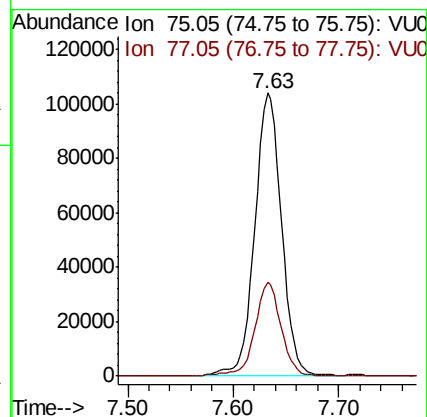
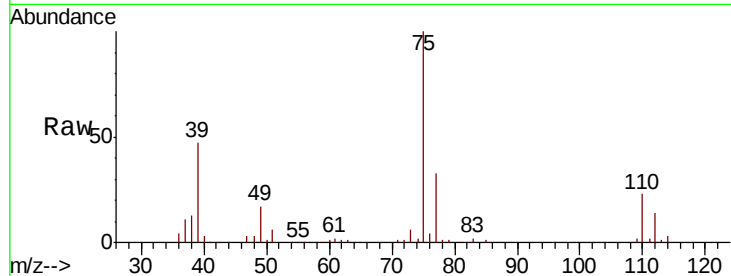




#39
 cis-1,3-Dichloropropene
 Concen: 5.274 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU038814.D
 Acq: 11 Jun 2020 09:50

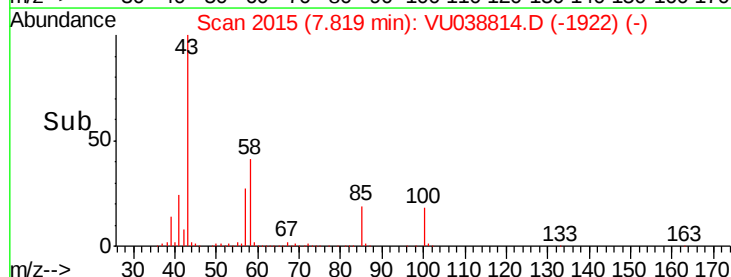
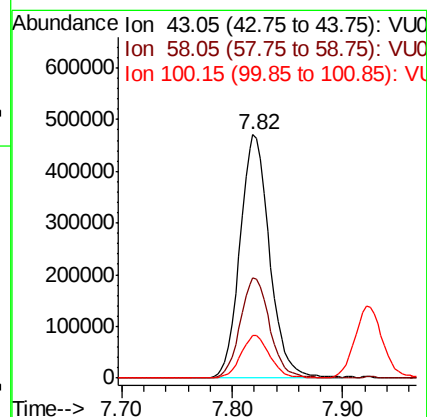
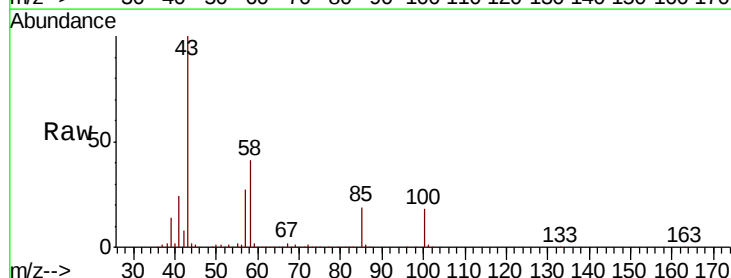
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB11

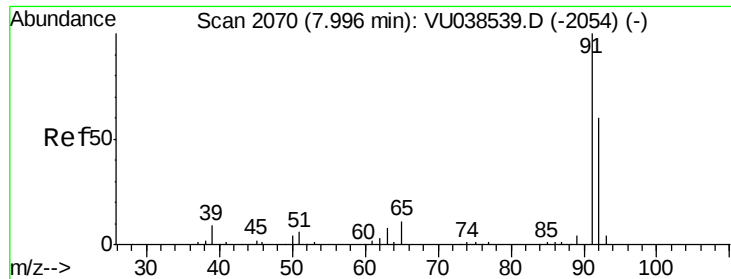
Tot Ion: 75 Resp: 185142
 Ion Ratio Lower Upper
 75 100
 77 33.4 21.9 40.7



#40
 4-Methyl-2-pentanone
 Concen: 51.378 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. 0.00 min
 Lab File: VU038814.D
 Acq: 11 Jun 2020 09:50

Tgt Ion: 43 Resp: 872786
 Ion Ratio Lower Upper
 43 100
 58 41.2 32.4 48.6
 100 17.4 13.3 19.9





#42

Toluene

Concen: 5.170 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU038814.D

Acq: 11 Jun 2020 09:50

Instrument :

MSVOA_U

ClientSampleId :

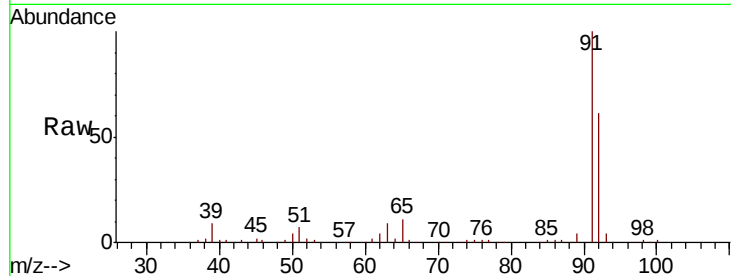
BFB11

Tot Ion: 91 Resp: 511907

Ion Ratio Lower Upper

91 100

92 61.0 43.0 79.8



Abundance Ion 91.15 (90.85 to 91.85): VU038539.D (-2054) (-)

Ion 92.15 (91.85 to 92.85): VU038539.D (-2054) (-)

8.00

300000

250000

200000

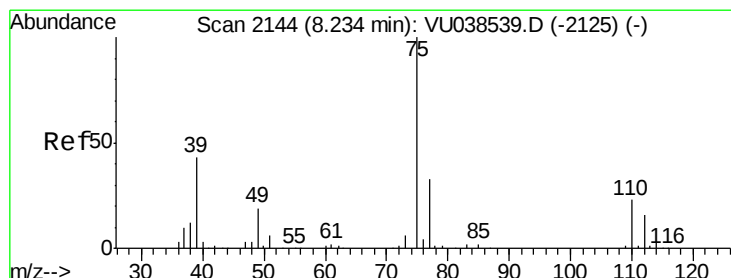
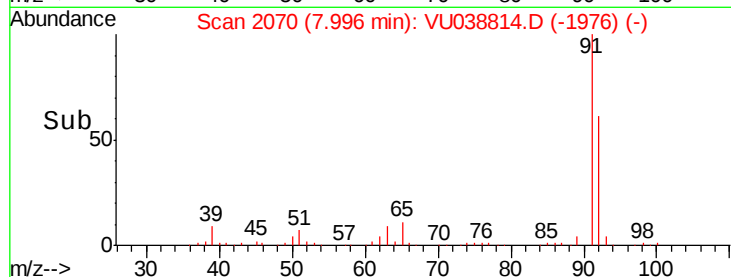
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.268 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU038814.D

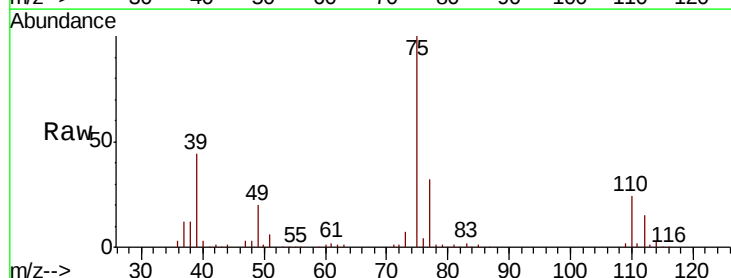
Acq: 11 Jun 2020 09:50

Tgt Ion: 75 Resp: 163348

Ion Ratio Lower Upper

75 100

77 32.4 22.1 41.1



Abundance Ion 75.05 (74.75 to 75.75): VU038539.D (-2125) (-)

Ion 77.05 (76.75 to 77.75): VU038539.D (-2125) (-)

8.23

100000

80000

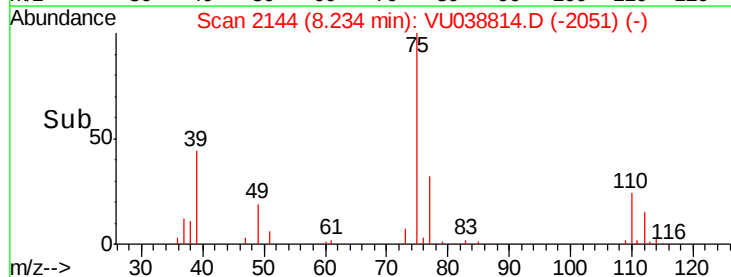
60000

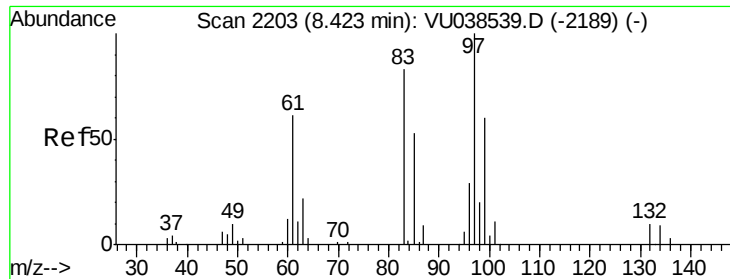
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 5.335 ug/L

RT: 8.42 min Scan# 2203

Delta R.T. 0.00 min

Lab File: VU038814.D

Acq: 11 Jun 2020 09:50

Instrument :

MSVOA_U

ClientSampleId :

BFB11

Tot Ion: 97 Resp: 95613

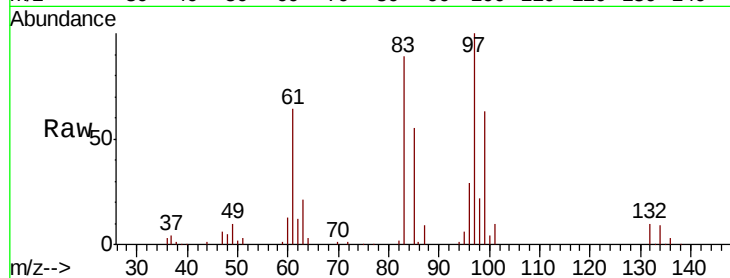
Ion Ratio Lower Upper

97 100

99 62.6 42.1 78.1

83 88.9 58.8 109.2

85 55.2 37.4 69.4

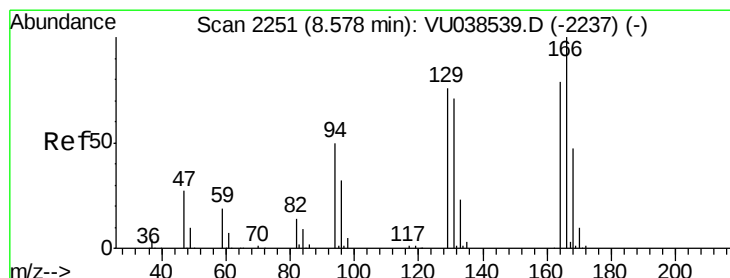
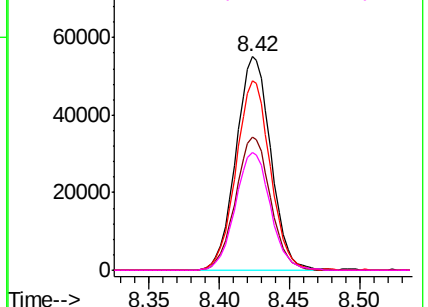
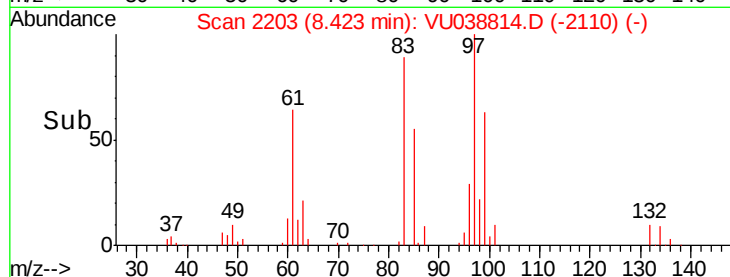


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 5.116 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. 0.00 min

Lab File: VU038814.D

Acq: 11 Jun 2020 09:50

Tgt Ion:164 Resp: 91061

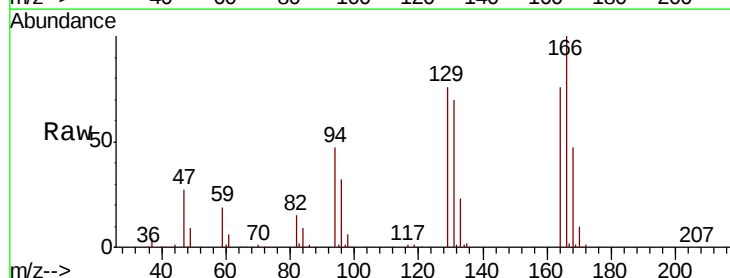
Ion Ratio Lower Upper

164 100

129 99.9 67.4 125.2

131 92.8 64.1 119.1

166 132.0 85.7 159.1

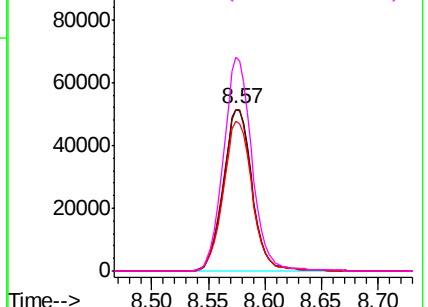
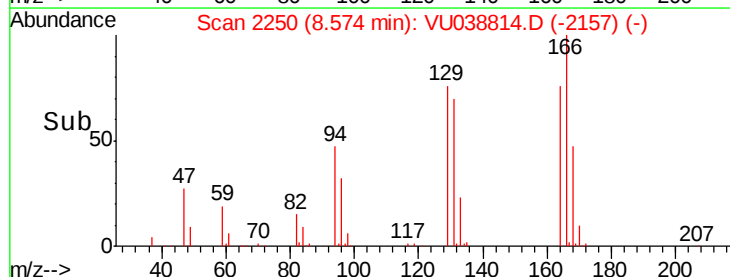


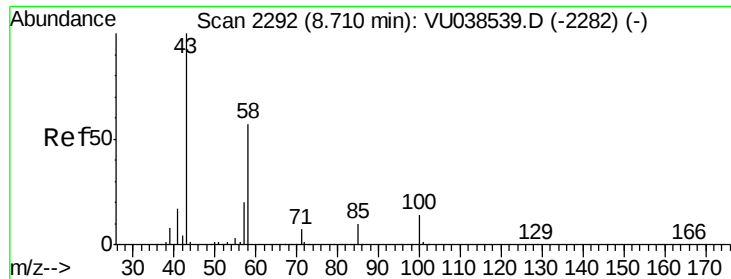
Abundance Ion 163.90 (163.60 to 164.60): V

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

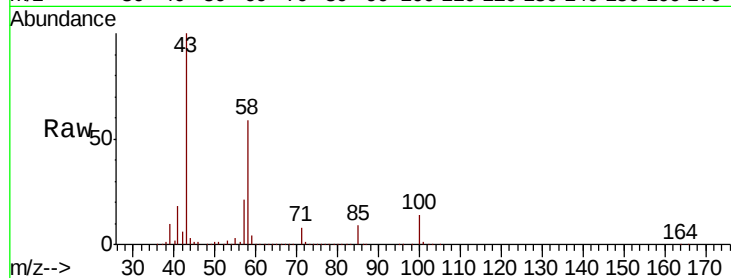




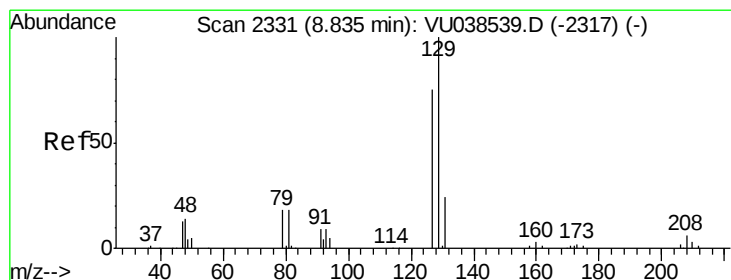
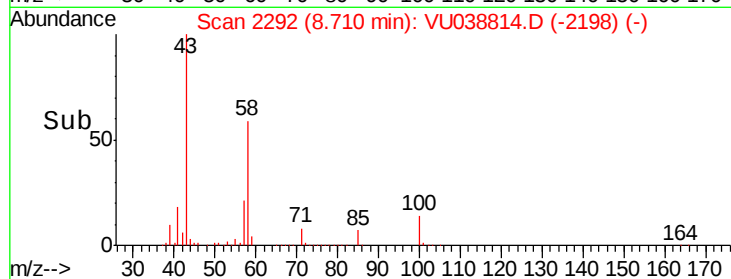
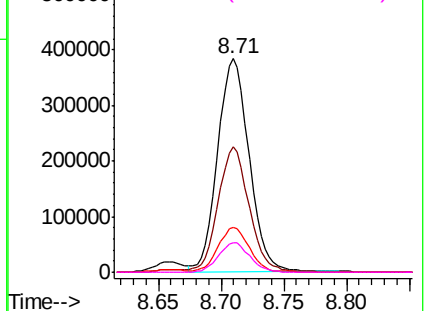
#48
2-Hexanone
Concen: 52.017 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU038814.D
Acq: 11 Jun 2020 09:50

Instrument :
MSVOA_U
ClientSampleId :
BFB11

Tot Ion: 43 Resp: 669199
Ion Ratio Lower Upper
43 100
58 57.6 45.4 68.0
57 20.9 15.9 23.9
100 13.6 10.5 15.7

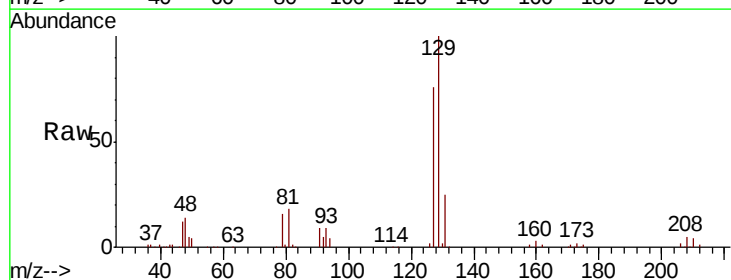


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

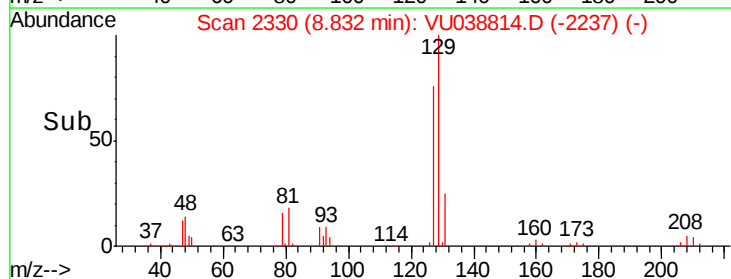
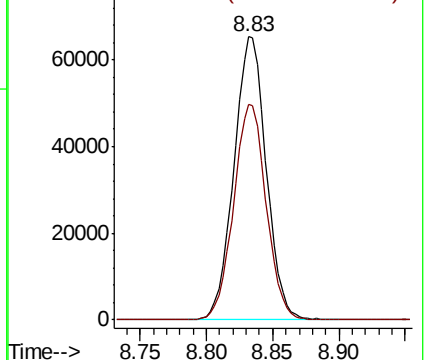


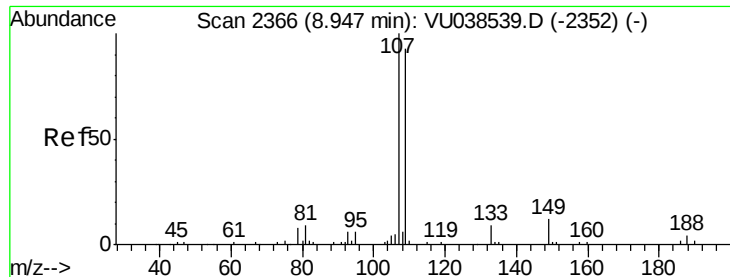
#49
Dibromochloromethane
Concen: 5.712 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU038814.D
Acq: 11 Jun 2020 09:50

Tgt Ion: 129 Resp: 110478
Ion Ratio Lower Upper
129 100
127 76.2 53.3 99.1



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

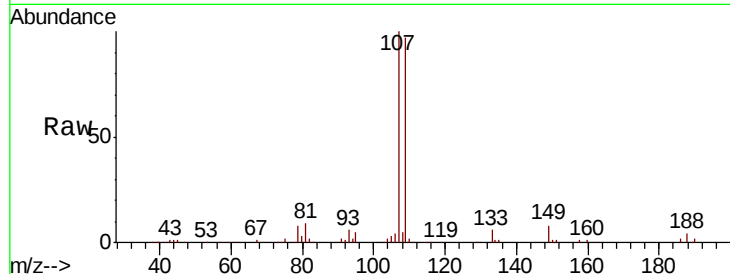




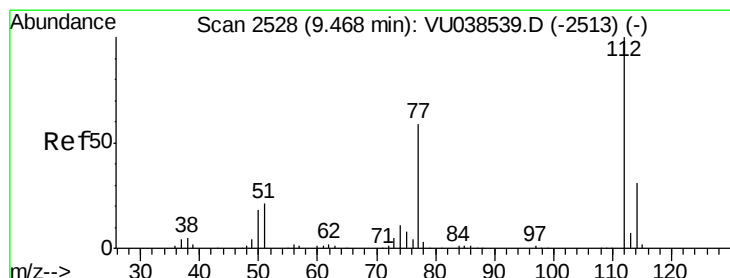
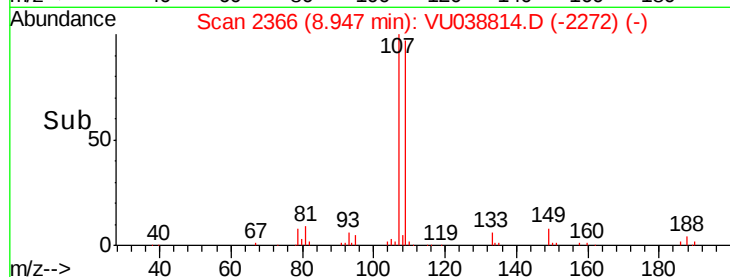
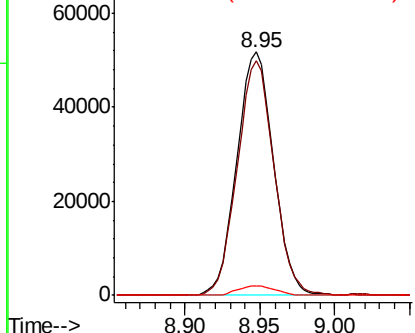
#50
1,2-Dibromoethane
Concen: 5.168 ug/L
RT: 8.95 min Scan# 2366
Delta R.T. 0.00 min
Lab File: VU038814.D
Acq: 11 Jun 2020 09:50

Instrument :
MSVOA_U
ClientSampleId :
BFB11

Tot Ion:107 Resp: 88674
Ion Ratio Lower Upper
107 100
109 96.6 67.0 124.4
188 3.9 3.0 4.4

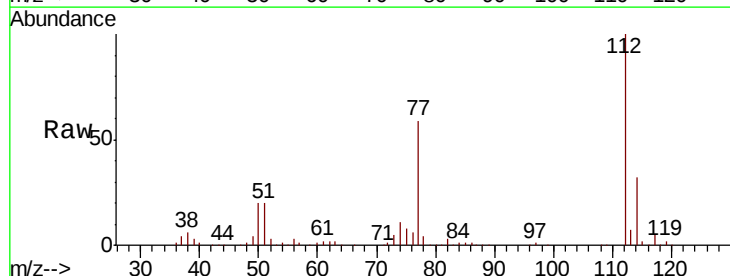


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

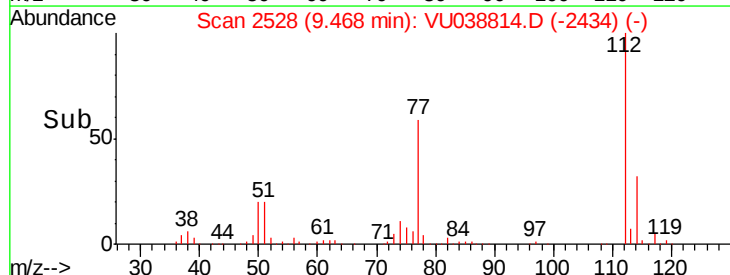
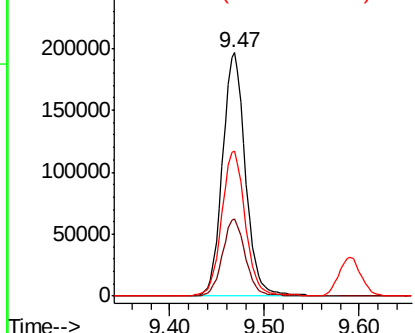


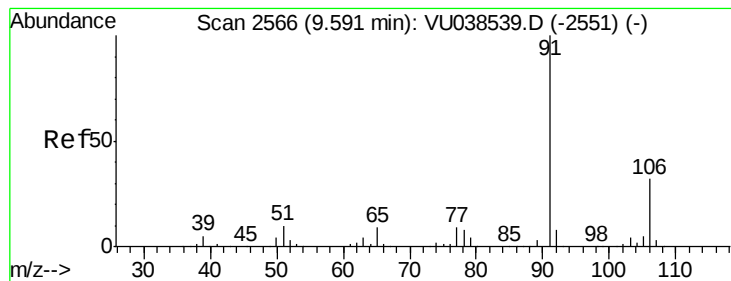
#51
Chlorobenzene
Concen: 5.180 ug/L
RT: 9.47 min Scan# 2528
Delta R.T. 0.00 min
Lab File: VU038814.D
Acq: 11 Jun 2020 09:50

Tgt Ion:112 Resp: 330760
Ion Ratio Lower Upper
112 100
114 31.6 22.4 41.6
77 59.3 47.1 70.7



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





#52

Ethylbenzene

Concen: 5.214 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VU038814.D

Acq: 11 Jun 2020 09:50

Instrument :

MSVOA_U

ClientSampleId :

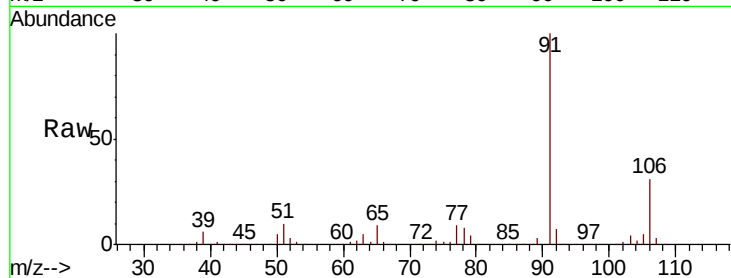
BFB11

Tot Ion: 91 Resp: 574299

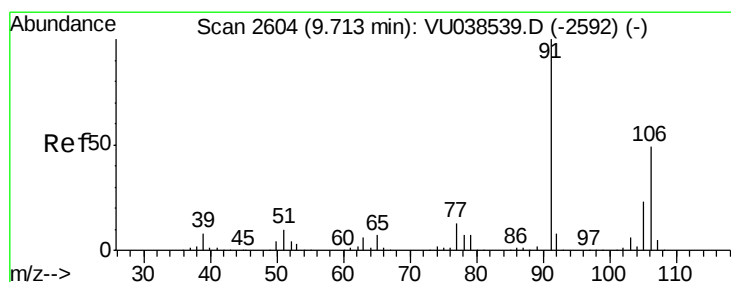
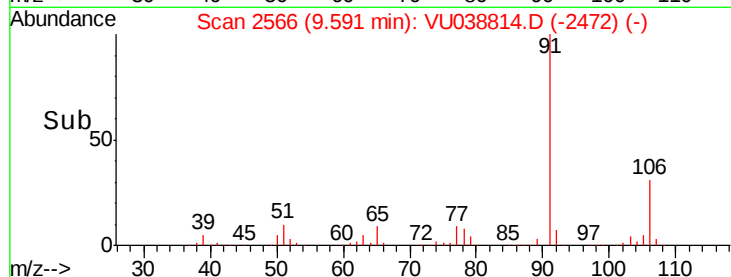
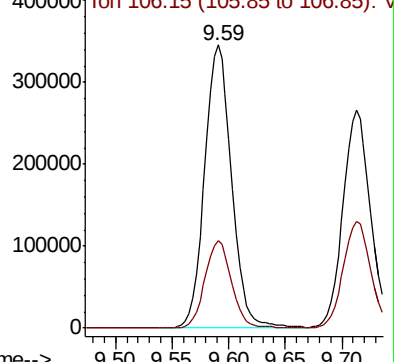
Ion Ratio Lower Upper

91 100

106 30.8 21.7 40.3



Abundance Ion 91.15 (90.85 to 91.85): VU038814.D (-2551) (-)



#53

m,p-Xylene

Concen: 5.270 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VU038814.D

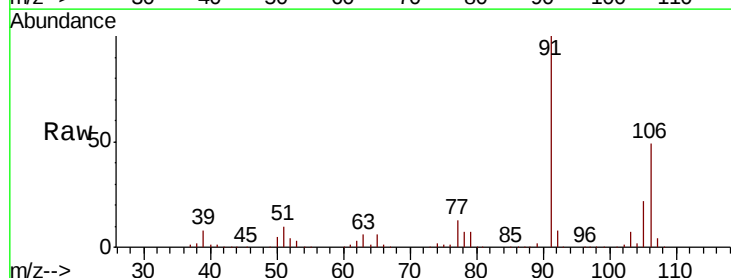
Acq: 11 Jun 2020 09:50

Tgt Ion: 106 Resp: 223244

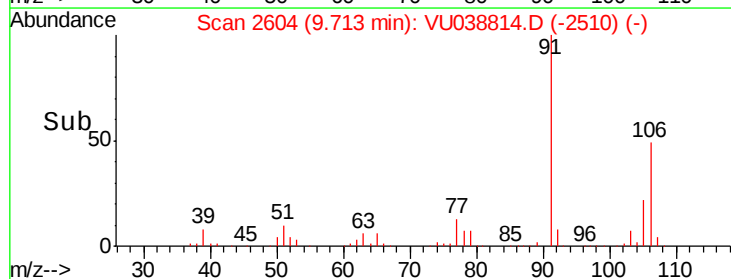
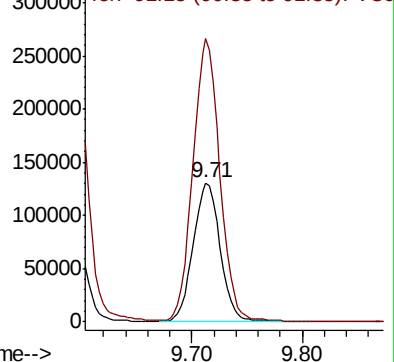
Ion Ratio Lower Upper

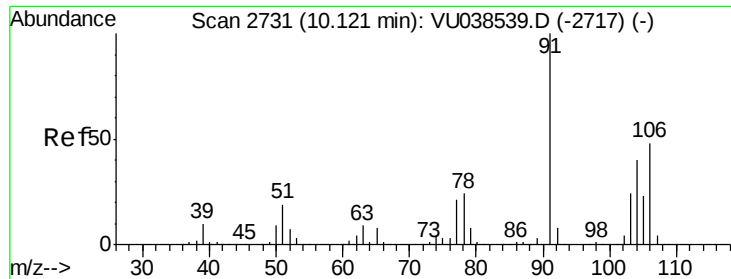
106 100

91 203.4 138.1 256.5



Abundance Ion 106.15 (105.85 to 106.85): VU038814.D (-2592) (-)

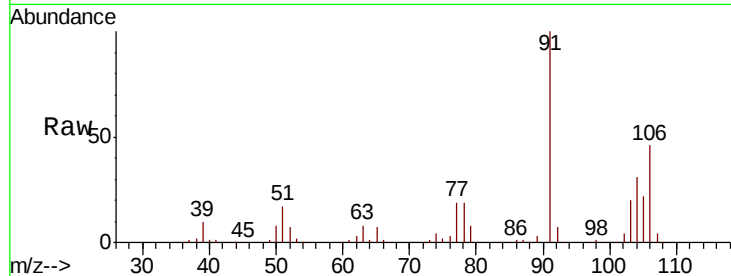




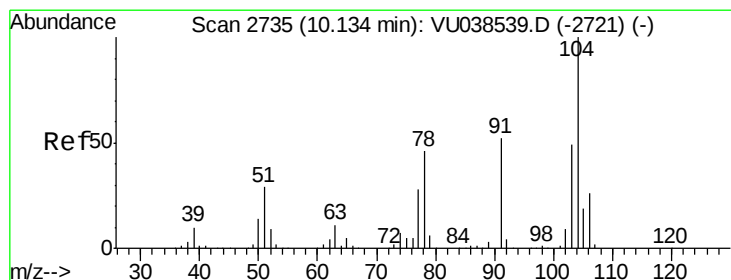
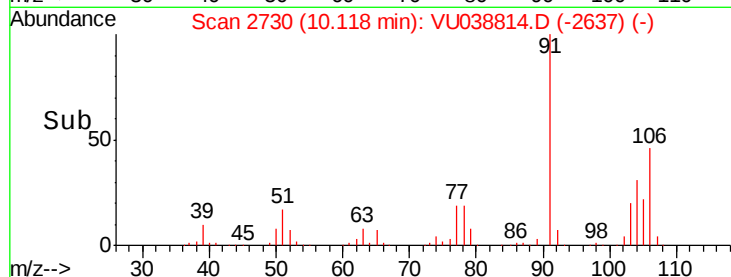
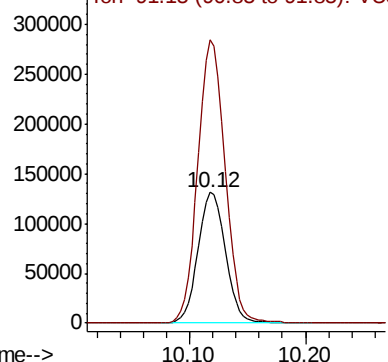
#54
o-Xylene
Concen: 5.283 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. 0.00 min
Lab File: VU038814.D
Acq: 11 Jun 2020 09:50

Instrument :
MSVOA_U
ClientSampled :
BFB11

Tot Ion:106 Resp: 214841
Ion Ratio Lower Upper
106 100
91 216.3 150.6 279.8

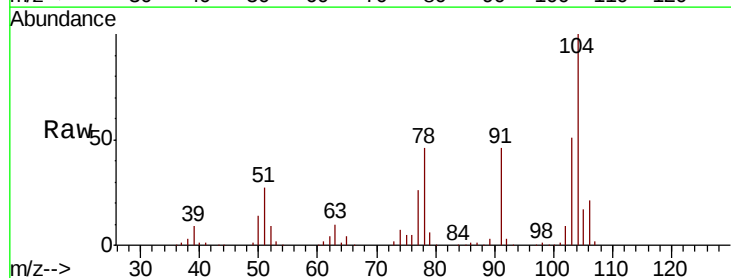


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

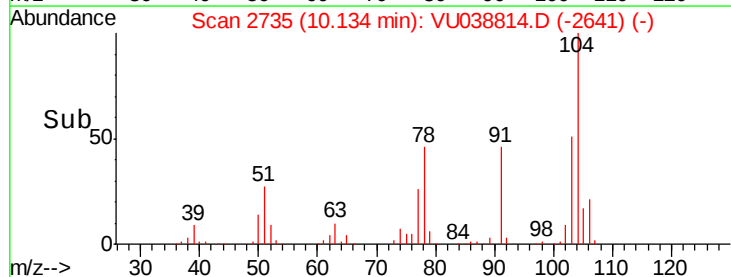
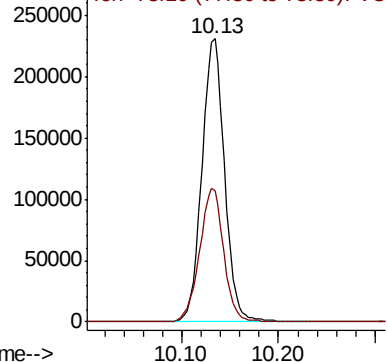


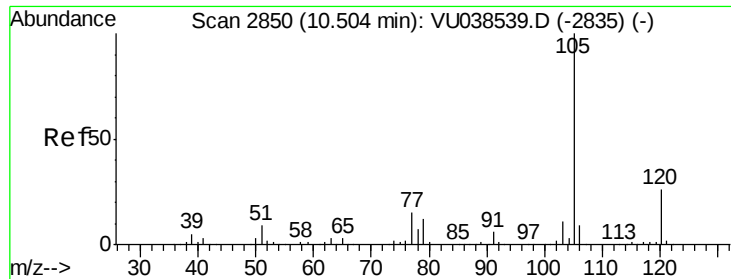
#55
Styrene
Concen: 5.436 ug/L
RT: 10.13 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VU038814.D
Acq: 11 Jun 2020 09:50

Tgt Ion:104 Resp: 375225
Ion Ratio Lower Upper
104 100
78 46.3 31.9 59.3



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





#56

Isopropylbenzene

Concen: 5.469 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU038814.D

Acq: 11 Jun 2020 09:50

Instrument :

MSVOA_U

ClientSampleId :

BFB11

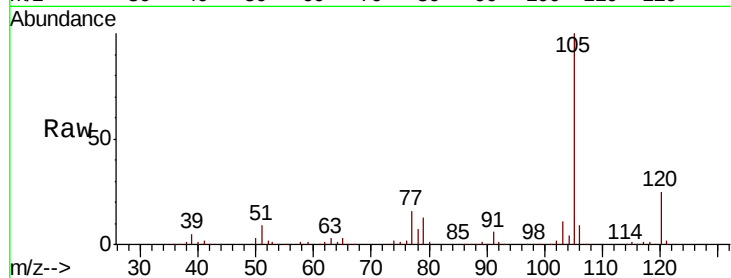
Tot Ion:105 Resp: 585421

Ion Ratio Lower Upper

105 100

120 25.1 20.7 31.1

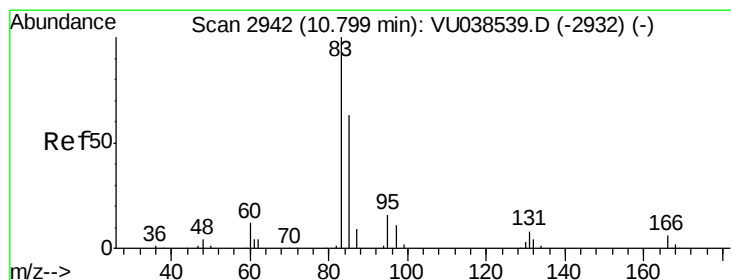
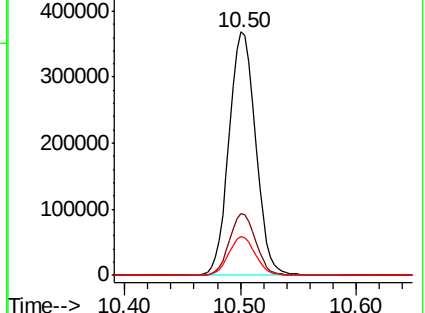
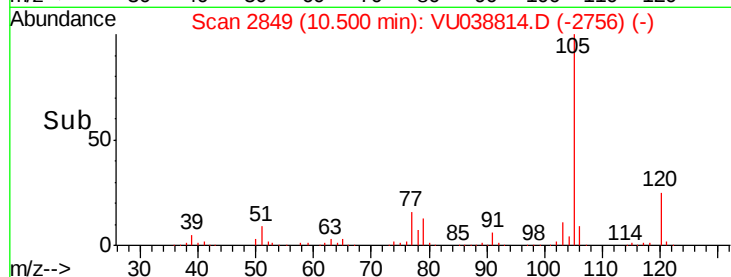
77 15.9 12.5 18.7



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: 5.220 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU038814.D

Acq: 11 Jun 2020 09:50

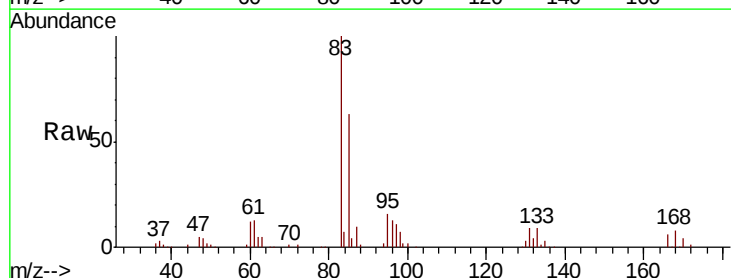
Tgt Ion: 83 Resp: 118872

Ion Ratio Lower Upper

83 100

85 62.7 44.2 82.0

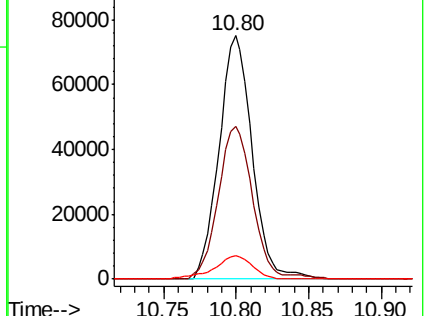
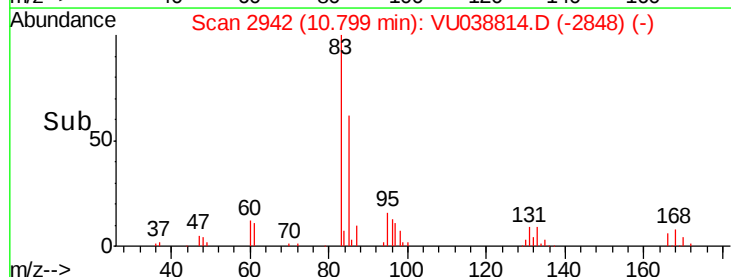
131 9.5 8.1 12.1

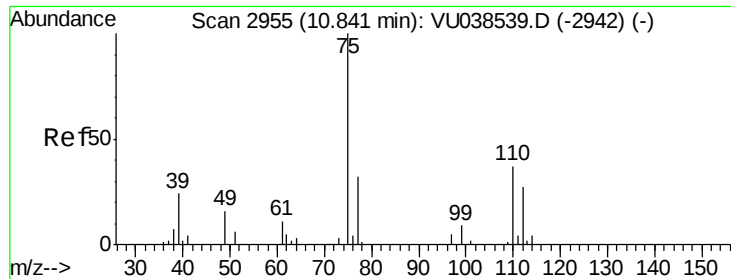


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.257 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. 0.00 min

Lab File: VU038814.D

Acq: 11 Jun 2020 09:50

Instrument :

MSVOA_U

ClientSampleId :

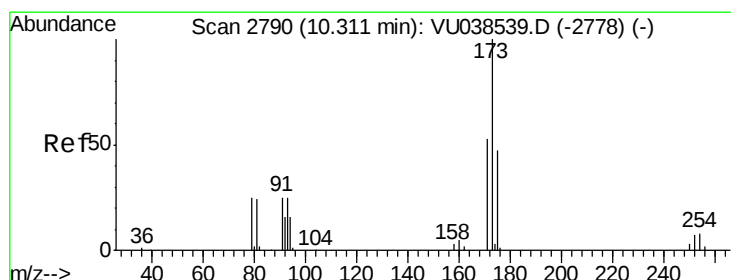
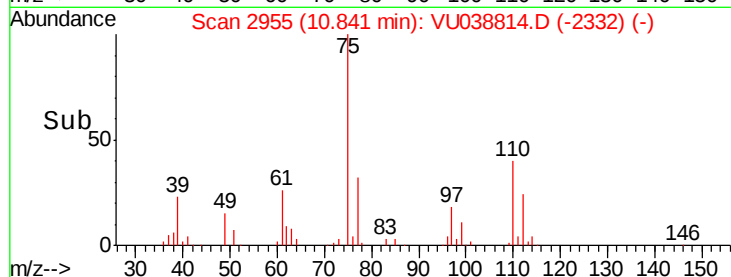
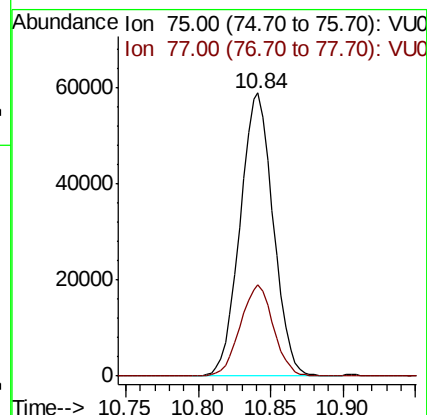
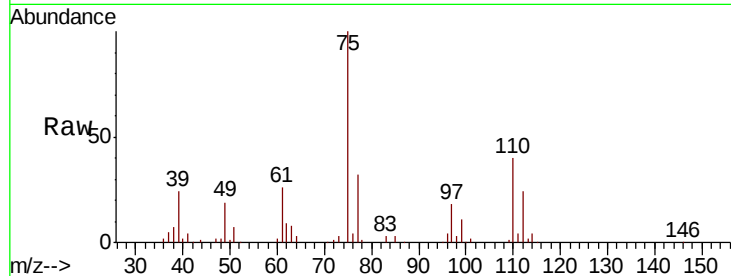
BFB11

Tot Ion: 75 Resp: 93196

Ion Ratio Lower Upper

75 100

77 32.3 25.4 38.2



#61

Bromoform

Concen: 5.427 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VU038814.D

Acq: 11 Jun 2020 09:50

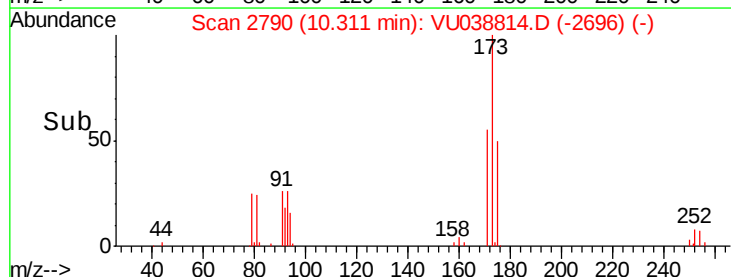
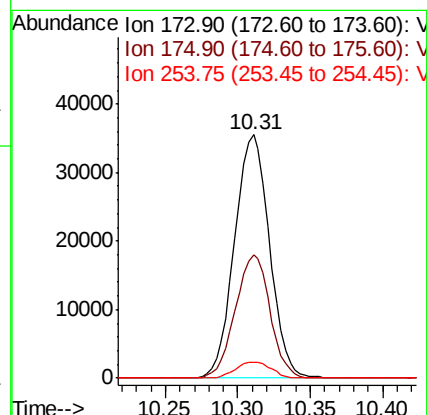
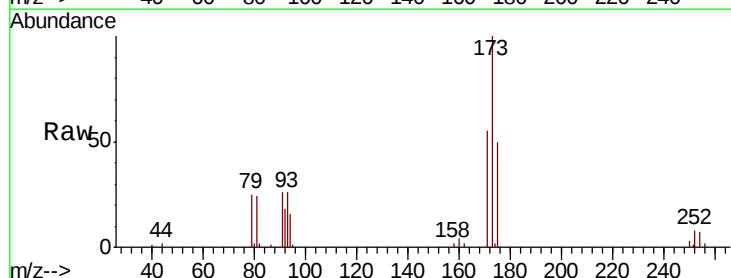
Tgt Ion: 173 Resp: 59589

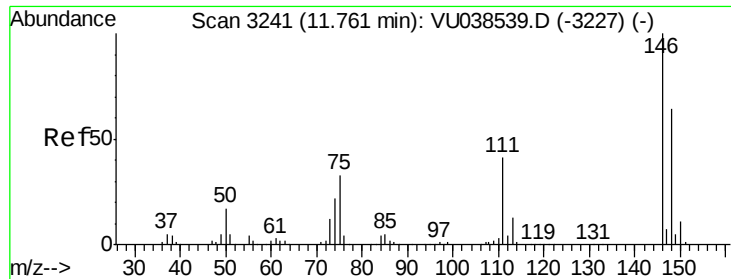
Ion Ratio Lower Upper

173 100

175 50.0 38.7 58.1

254 6.7 5.4 8.2





#62

1,3-Dichlorobenzene

Concen: 5.286 ug/L

RT: 11.76 min Scan# 3241

Delta R.T. 0.00 min

Lab File: VU038814.D

Acq: 11 Jun 2020 09:50

Instrument :

MSVOA_U

ClientSampled :

BFB11

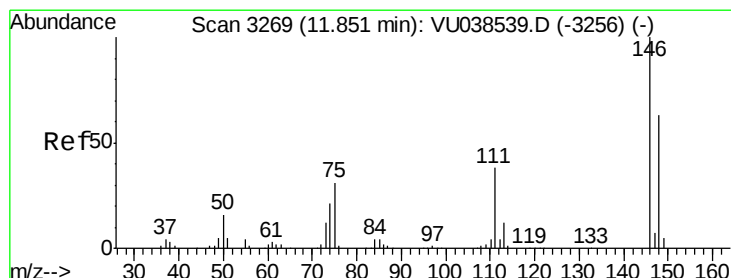
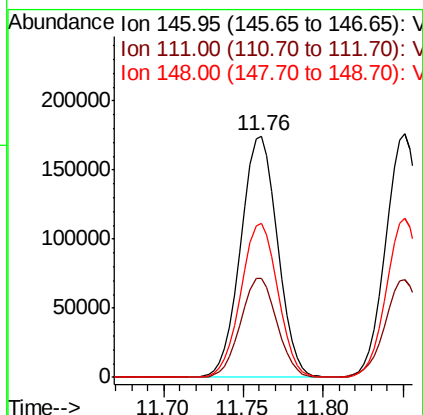
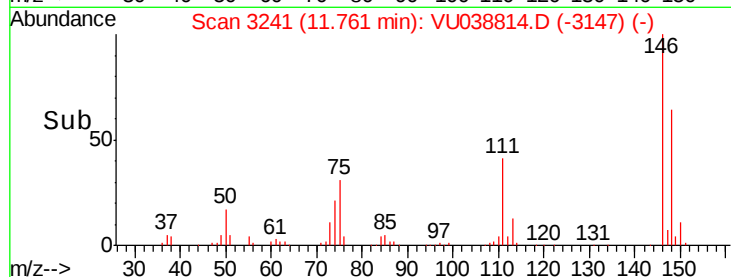
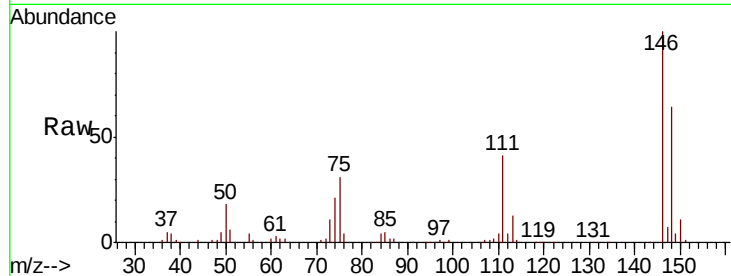
Tot Ion:146 Resp: 273768

Ion Ratio Lower Upper

146 100

111 41.2 29.5 54.9

148 63.9 45.6 84.6



#63

1,4-Dichlorobenzene

Concen: 5.309 ug/L

RT: 11.85 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VU038814.D

Acq: 11 Jun 2020 09:50

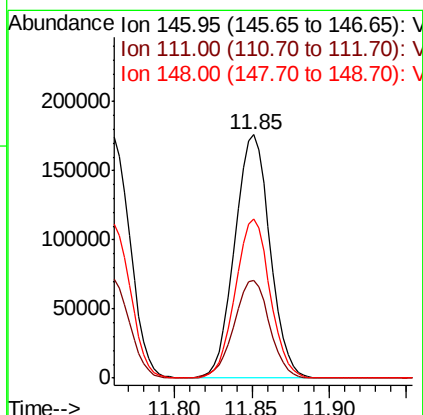
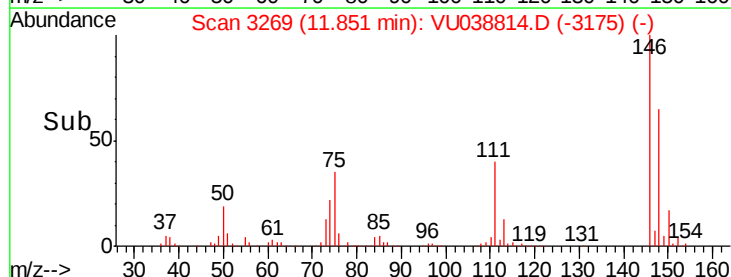
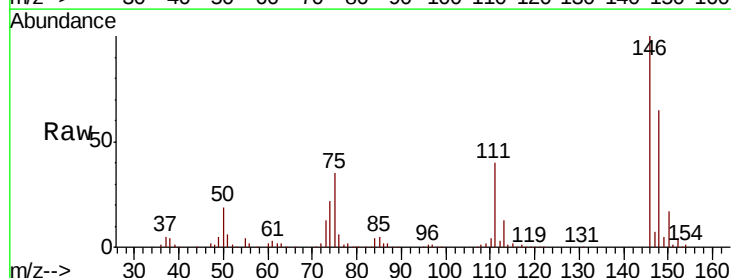
Tgt Ion:146 Resp: 278794

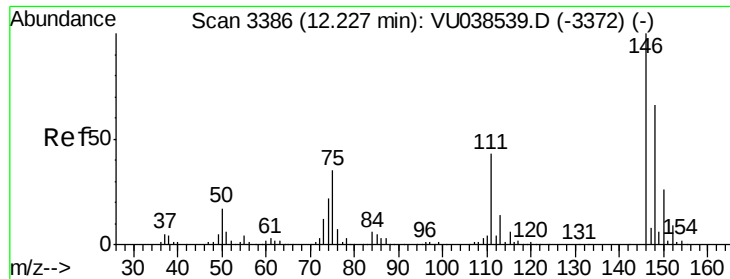
Ion Ratio Lower Upper

146 100

111 40.4 27.6 51.2

148 65.3 44.8 83.2

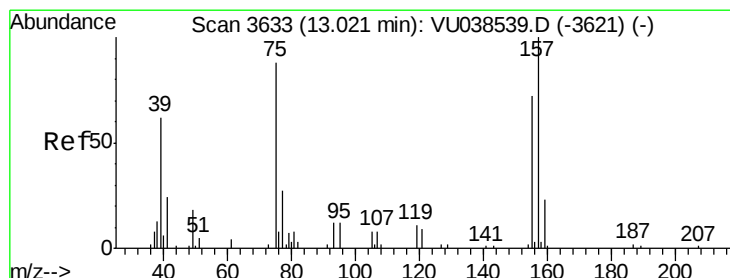
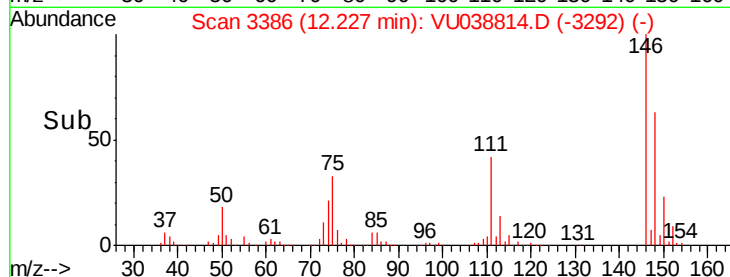
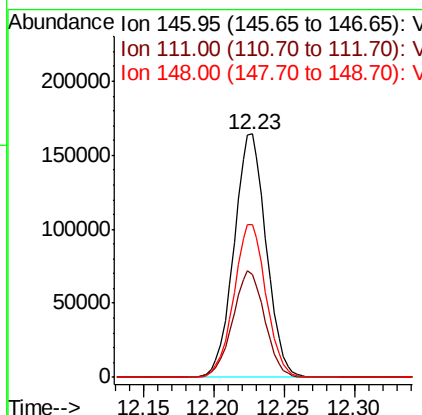
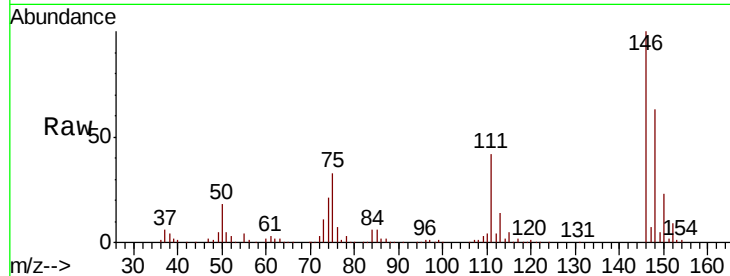




#65
 1,2-Dichlorobenzene
 Concen: 5.336 ug/L
 RT: 12.23 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU038814.D
 Acq: 11 Jun 2020 09:50

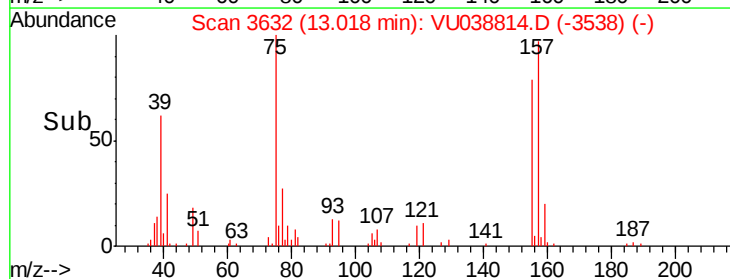
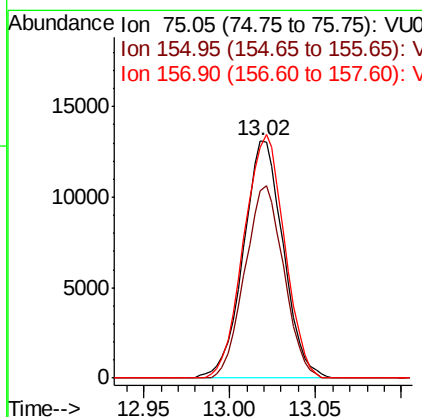
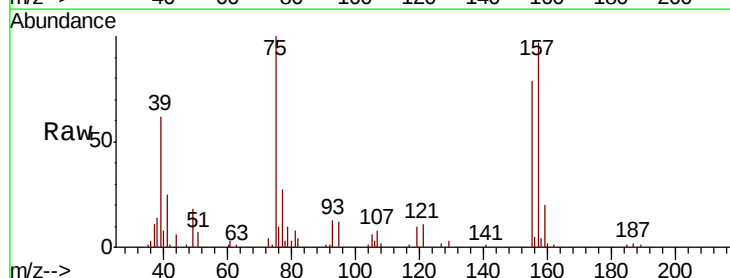
Instrument :
 MSVOA_U
 ClientSampled :
 BFB11

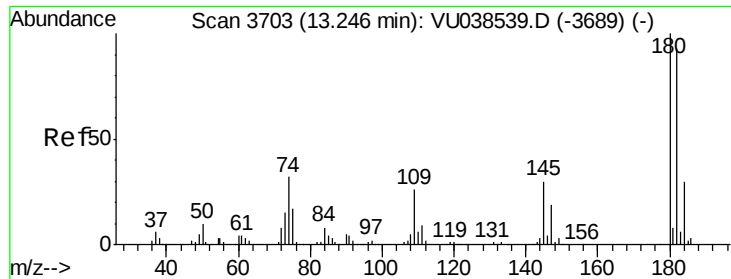
Tot Ion:146 Resp: 262398
 Ion Ratio Lower Upper
 146 100
 111 42.4 35.1 52.7
 148 62.8 50.9 76.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.301 ug/L
 RT: 13.02 min Scan# 3632
 Delta R.T. 0.00 min
 Lab File: VU038814.D
 Acq: 11 Jun 2020 09:50

Tgt Ion: 75 Resp: 21107
 Ion Ratio Lower Upper
 75 100
 155 78.6 59.6 89.4
 157 97.4 79.8 119.6

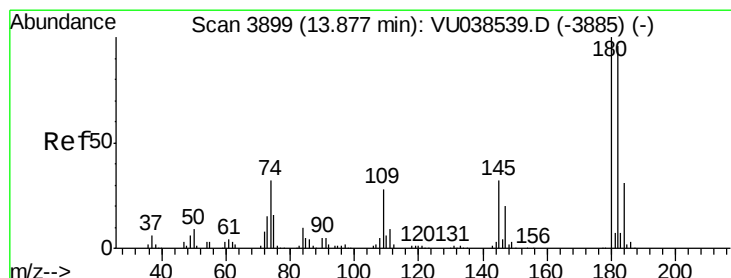
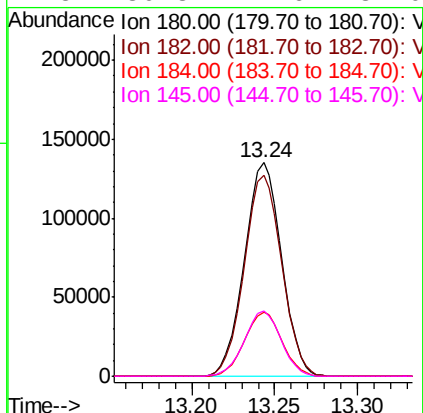
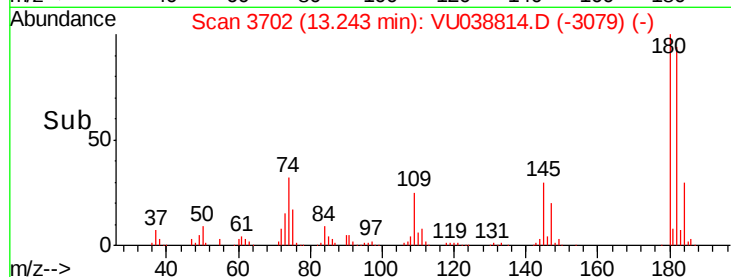
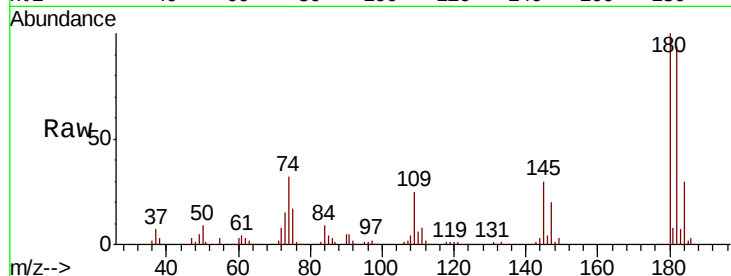




#67
 1,3,5-Trichlorobenzene
 Concen: 5.442 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. 0.00 min
 Lab File: VU038814.D
 Acq: 11 Jun 2020 09:50

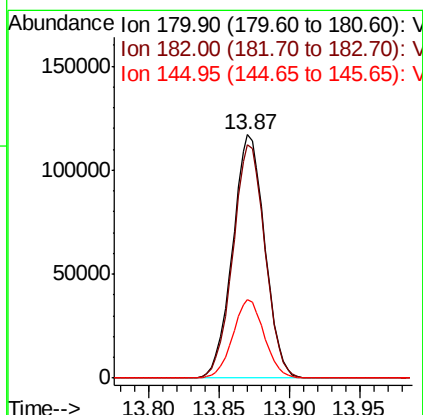
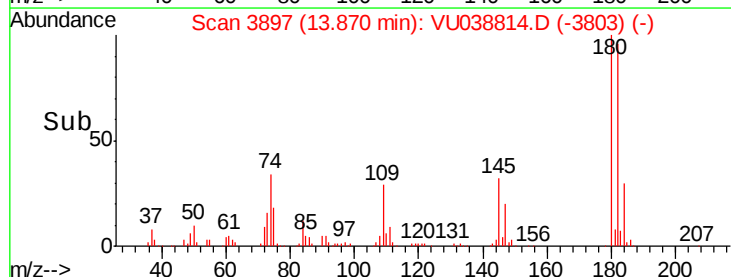
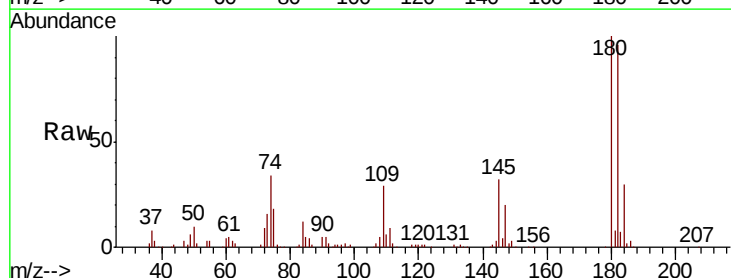
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB11

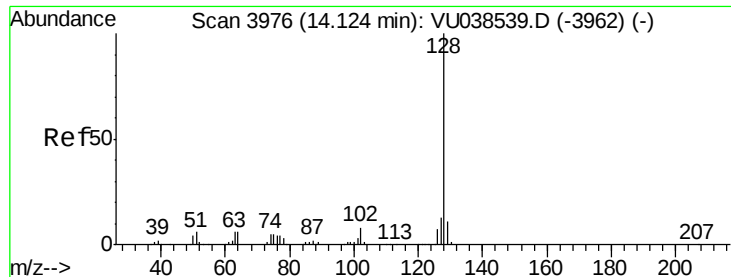
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.8	115.2
184	30.2	25.1	37.7
145	30.3	24.6	37.0



#68
 1,2,4-trichlorobenzene
 Concen: 5.232 ug/L
 RT: 13.87 min Scan# 3897
 Delta R.T. 0.00 min
 Lab File: VU038814.D
 Acq: 11 Jun 2020 09:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	75.8	113.8
145	31.3	25.3	37.9





#69

Naphthalene

Concen: 5.202 ug/L

RT: 14.12 min Scan# 3975

Delta R.T. 0.01 min

Lab File: VU038814.D

Acq: 11 Jun 2020 09:50

Instrument :

MSVOA_U

ClientSampleId :

BFB11

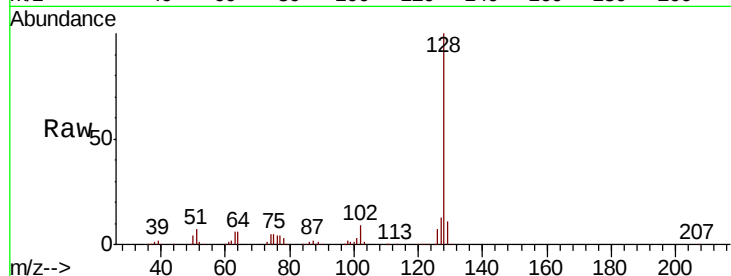
Tot Ion:128 Resp: 370257

Ion Ratio Lower Upper

128 100

129 10.6 8.9 13.3

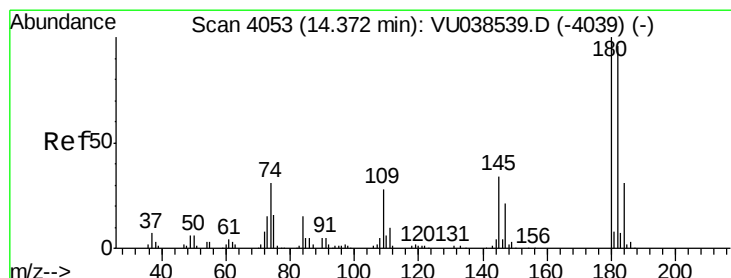
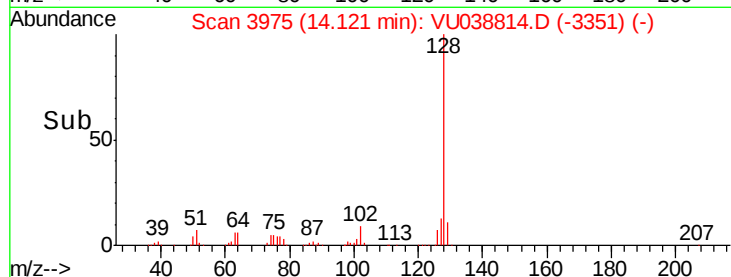
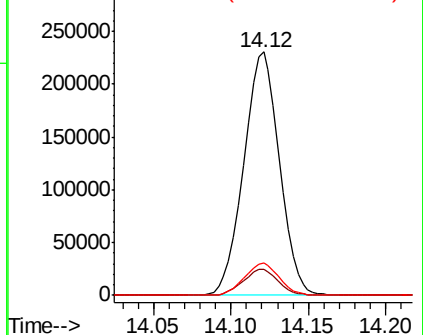
127 12.9 10.2 15.4



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: 5.329 ug/L

RT: 14.37 min Scan# 4051

Delta R.T. 0.01 min

Lab File: VU038814.D

Acq: 11 Jun 2020 09:50

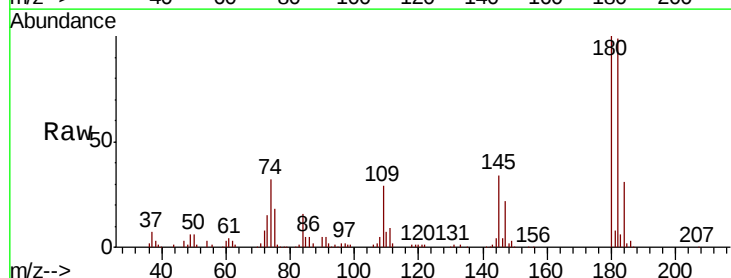
Tgt Ion:180 Resp: 173413

Ion Ratio Lower Upper

180 100

182 97.4 78.7 118.1

145 34.1 27.5 41.3



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

