

Data File : VU031423.D
Acq On : 23 Apr 2019 09:17
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFB

Quant Time: Apr 24 06:00:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 23 04:02:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	711873	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	667598	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	315579	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	284808	49.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.74%
7) Chloroethane-d5	1.68	69	221990	50.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.08%
11) 1,1-Dichloroethene-d2	2.27	63	509501	50.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.54%
21) 2-Butanone-d5	4.19	46	466258	108.12	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.12%
24) Chloroform-d	4.64	84	472967	51.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.90%
26) 1,2-Dichloroethane-d4	5.31	65	283204	51.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.86%
32) Benzene-d6	5.33	84	971774	50.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.78%
36) 1,2-Dichloropropane-d6	6.32	67	314618	50.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.40%
41) Toluene-d8	7.56	98	850124	49.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.70%
43) trans-1,3-Dichloropropene-	7.85	79	145935	51.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.22%
47) 2-Hexanone-d5	8.31	63	320178	102.97	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.97%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	431323	51.23	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.46%
64) 1,2-Dichlorobenzene-d4	11.85	152	313630	48.62	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.24%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	262249	51.976	ug/L 100
3) Chloromethane	1.32	50	328376	51.024	ug/L 100
5) Vinyl chloride	1.40	62	327095	51.584	ug/L 97
6) Bromomethane	1.63	94	182958	49.432	ug/L 99
8) Chloroethane	1.70	64	190949	52.844	ug/L 100
9) Trichlorofluoromethane	1.88	101	401270	52.803	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	241646	54.815	ug/L 98
12) 1,1-Dichloroethene	2.28	96	228829	52.766	ug/L 97
13) Acetone	2.34	43	460930	136.140	ug/L 99
14) Carbon disulfide	2.47	76	681849	52.383	ug/L 99
15) Methyl Acetate	2.62	43	338062	54.659	ug/L 98
16) Methylene chloride	2.70	84	260304	52.687	ug/L 98
17) trans-1,2-Dichloroethene	2.98	96	238533	53.330	ug/L 100
18) Methyl tert-butyl Ether	2.99	73	784880	53.355	ug/L 99
19) 1,1-Dichloroethane	3.44	63	464954	53.176	ug/L 98
20) cis-1,2-Dichloroethene	4.22	96	269110	53.026	ug/L 100
22) 2-Butanone	4.27	43	540887	123.278	ug/L 100

Data File : VU031423.D
Acq On : 23 Apr 2019 09:17
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFB

Quant Time: Apr 24 06:00:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 23 04:02:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	133749	52.548	ug/L	98
25) Chloroform	4.67	83	456515	54.172	ug/L	96
27) 1,2-Dichloroethane	5.40	62	333477	53.061	ug/L	100
29) Cyclohexane	4.99	56	439752	54.288	ug/L	98
30) 1,1,1-Trichloroethane	4.91	97	370456	52.050	ug/L	98
31) Carbon tetrachloride	5.13	117	320845	52.654	ug/L	99
33) Benzene	5.39	78	1015055	52.540	ug/L	100
34) Trichloroethene	6.18	95	258113	50.446	ug/L	98
35) Methylcyclohexane	6.41	83	401013	53.560	ug/L	99
37) 1,2-Dichloropropane	6.43	63	281240	54.645	ug/L	99
38) Bromodichloromethane	6.75	83	333697	52.855	ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	417423	54.192	ug/L	95
40) 4-Methyl-2-pentanone	7.46	43	840487	107.453	ug/L	99
42) Toluene	7.63	91	1063688	53.056	ug/L	100
44) trans-1,3-Dichloropropene	7.87	75	360305	54.264	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	247699	52.401	ug/L	99
46) Tetrachloroethene	8.22	164	190402	52.469	ug/L	99
48) 2-Hexanone	8.36	43	706919	115.858	ug/L	99
49) Dibromochloromethane	8.47	129	260913	52.024	ug/L	99
50) 1,2-Dibromoethane	8.58	107	265661	53.434	ug/L	99
51) Chlorobenzene	9.12	112	637544	51.241	ug/L	97
52) Ethylbenzene	9.25	91	1129553	52.591	ug/L	98
53) m,p-Xylene	9.37	106	420132	53.595	ug/L	99
54) o-xylene	9.77	106	415650	52.739	ug/L	100
55) Styrene	9.79	104	712622	54.368	ug/L	97
56) Isopropylbenzene	10.16	105	1085073	53.591	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	424068	51.961	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	339406	53.433	ug/L	100
61) Bromoform	9.95	173	189931	48.951	ug/L	98
62) 1,3-Dichlorobenzene	11.41	146	475330	51.435	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	480972	52.173	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	489709	51.837	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	96521	55.247	ug/L	98
67) 1,3,5-Trichlorobenzene	12.88	180	369278	54.220	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	309489	56.526	ug/L	98
69) Naphthalene	13.74	128	1021838	53.684	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	318404	54.010	ug/L	99

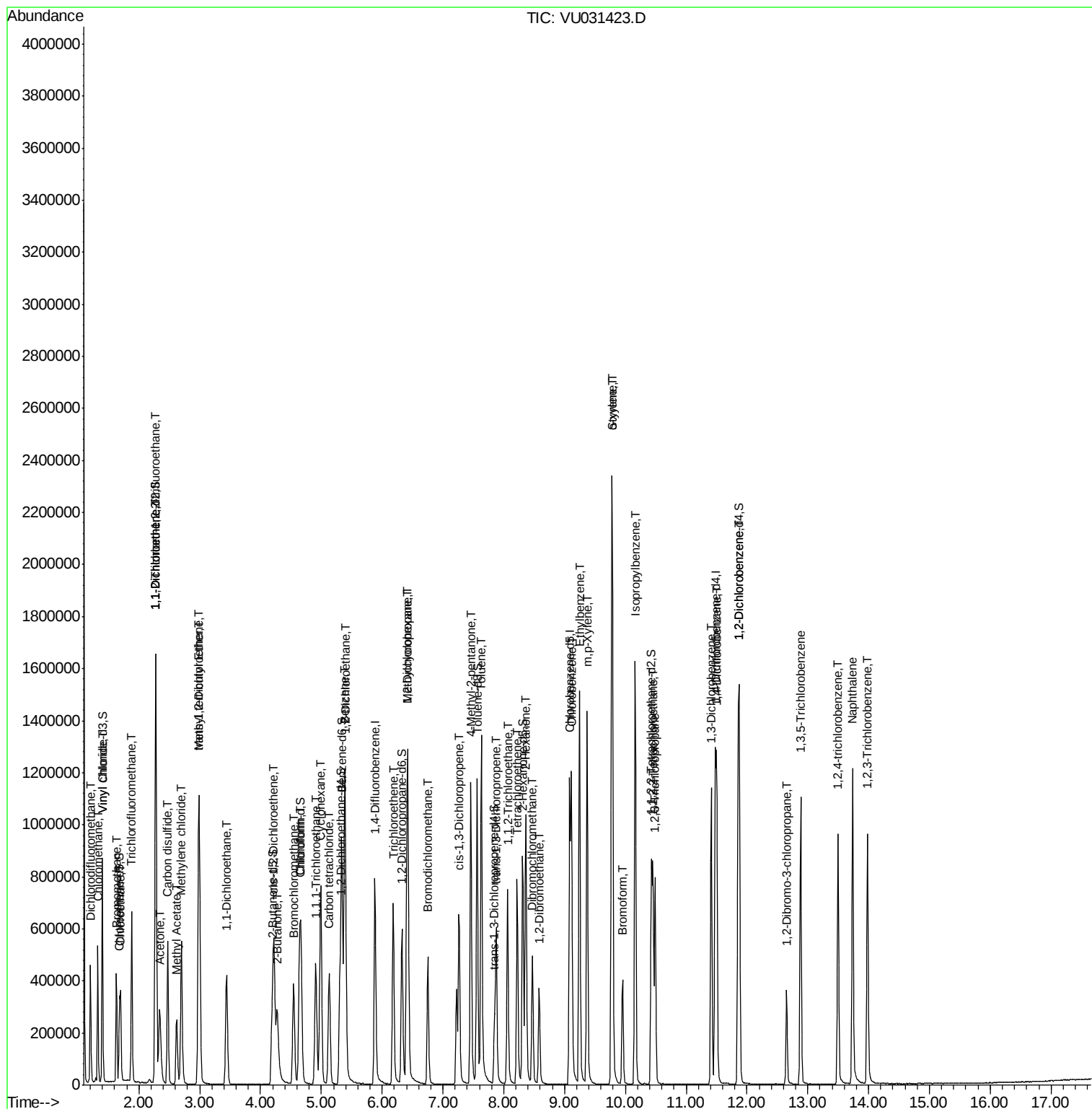
(#) = qualifier out of range (m) = manual integration (+) = signals summed

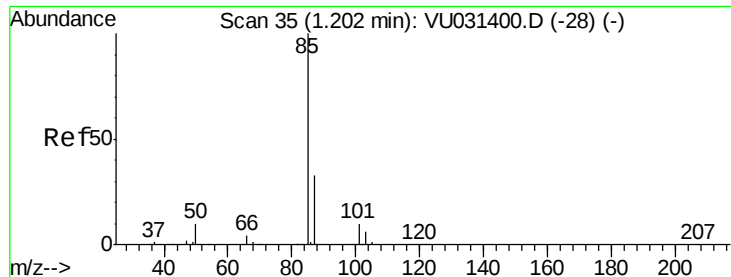
Data File : VU031423.D

```
Acq On       : 23 Apr 2019   09:17
Operator    : JC/SP
Sample      : VSTDCCC050
Misc       : 5.0mL/MSVOA_U/WATER
ALS Vial    : 2      Sample Multiplier: 1
```

Instrument :
MSVOA_U
ClientSampleId :
BFB

Quant Time: Apr 24 06:00:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 23 04:02:06 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 51.976 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU031423.D

Acq: 23 Apr 2019 09:17

Instrument :

MSVOA_U

ClientSampleId :

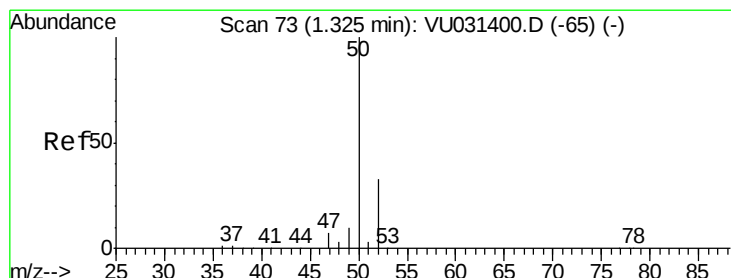
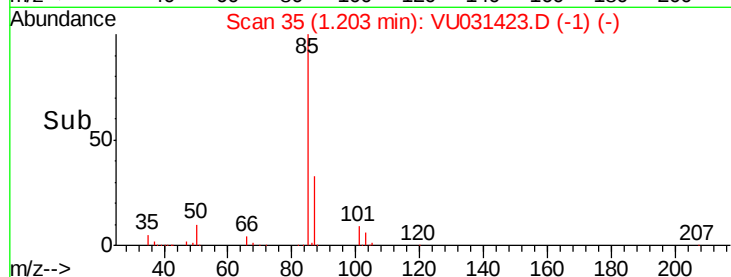
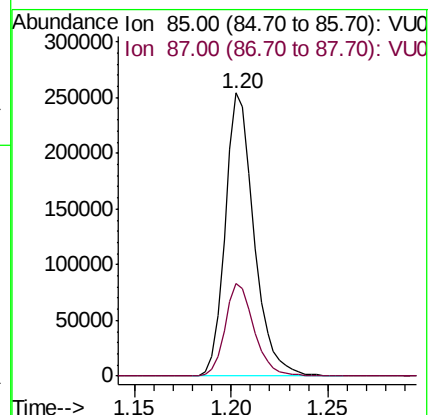
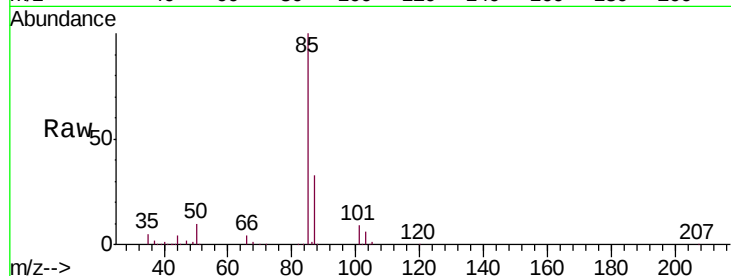
BFB

Tgt Ion: 85 Resp: 262249

Ion Ratio Lower Upper

85 100

87 32.9 26.3 39.5



#3

Chloromethane

Concen: 51.024 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU031423.D

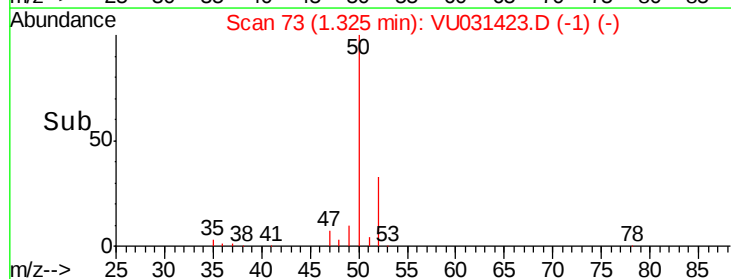
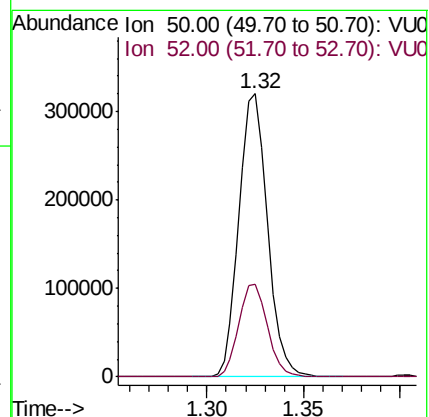
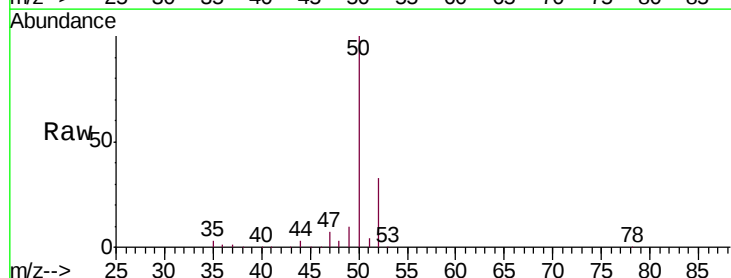
Acq: 23 Apr 2019 09:17

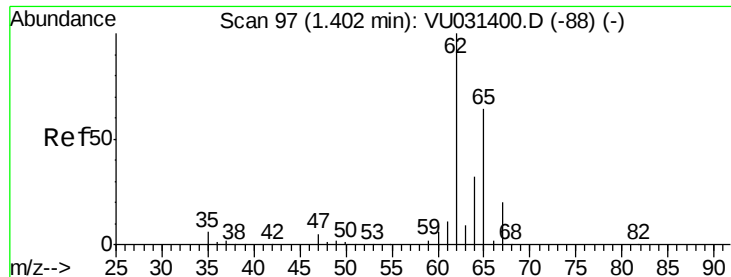
Tgt Ion: 50 Resp: 328376

Ion Ratio Lower Upper

50 100

52 32.6 22.9 42.5





#5

Vinyl chloride

Concen: 51.584 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU031423.D

Acq: 23 Apr 2019 09:17

Instrument :

MSVOA_U

ClientSampleId :

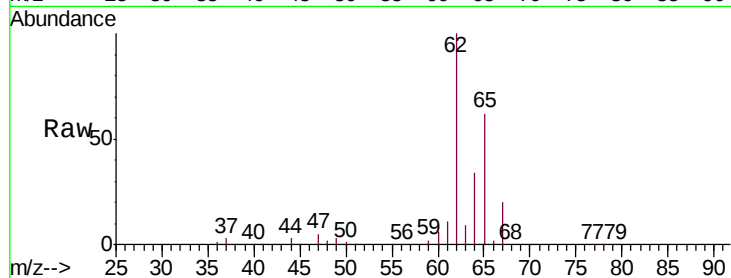
BFB

Tgt Ion: 62 Resp: 327095

Ion Ratio Lower Upper

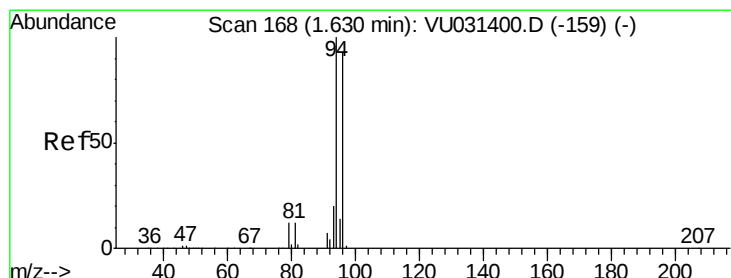
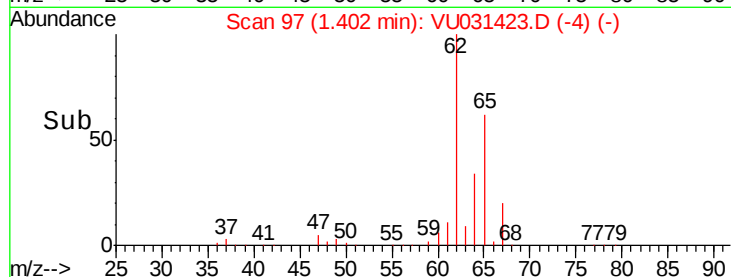
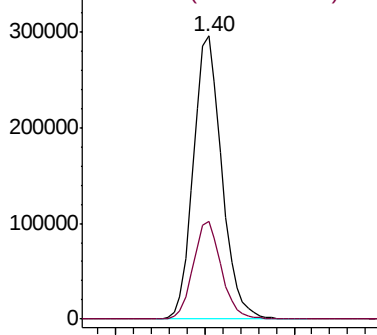
62 100

64 34.3 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 49.432 ug/L

RT: 1.63 min Scan# 168

Delta R.T. 0.00 min

Lab File: VU031423.D

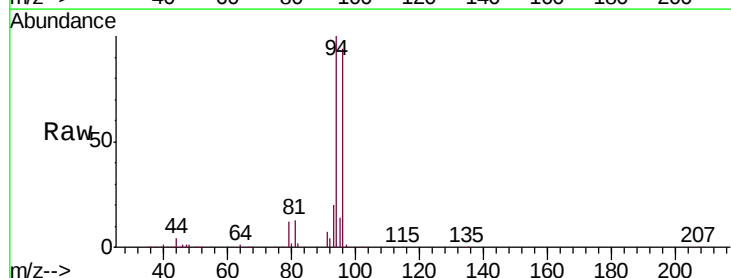
Acq: 23 Apr 2019 09:17

Tgt Ion: 94 Resp: 182958

Ion Ratio Lower Upper

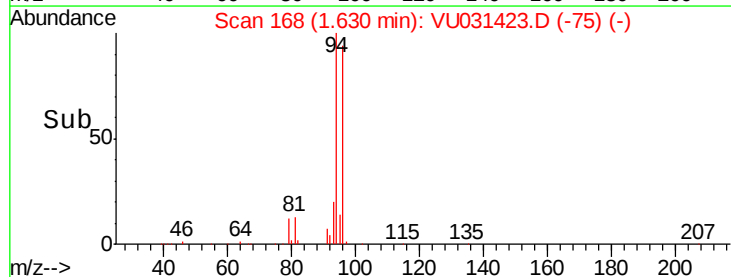
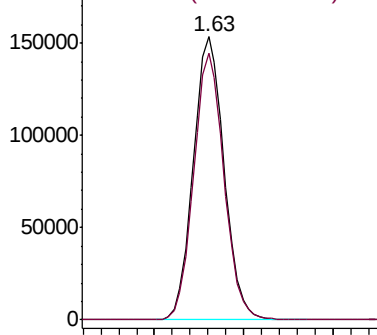
94 100

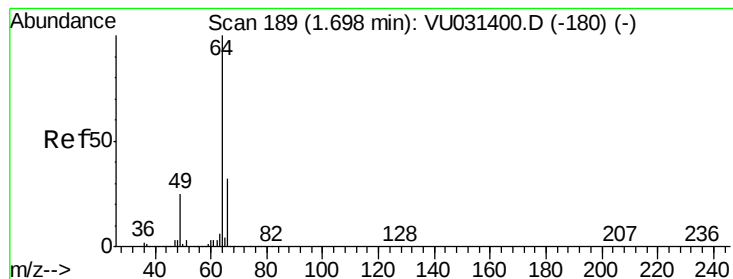
96 94.3 65.1 120.9



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 52.844 ug/L

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU031423.D

Acq: 23 Apr 2019 09:17

Instrument :

MSVOA_U

ClientSampleId :

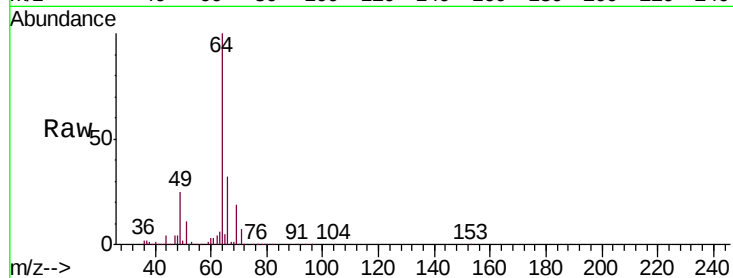
BFB

Tgt Ion: 64 Resp: 190949

Ion Ratio Lower Upper

64 100

66 31.6 22.1 41.1



Abundance Ion 64.00 (63.70 to 64.70): VU031400.D (-180) (-)

Ion 66.00 (65.70 to 66.70): VU031400.D (-180) (-)

1.70

150000

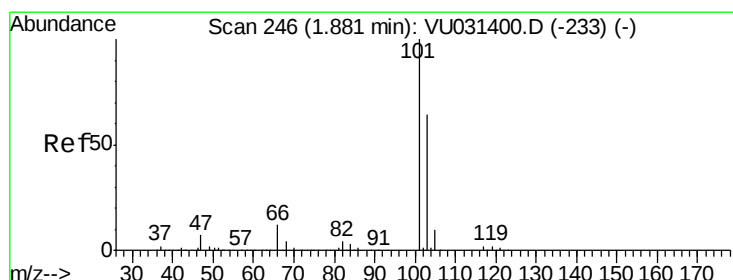
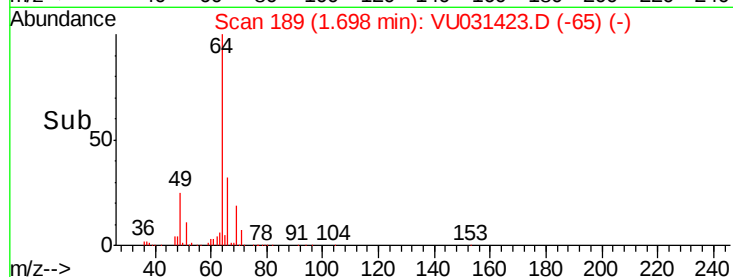
100000

50000

0

1.65 1.70 1.75

Time-->



#9

Trichlorofluoromethane

Concen: 52.803 ug/L

RT: 1.88 min Scan# 246

Delta R.T. 0.00 min

Lab File: VU031423.D

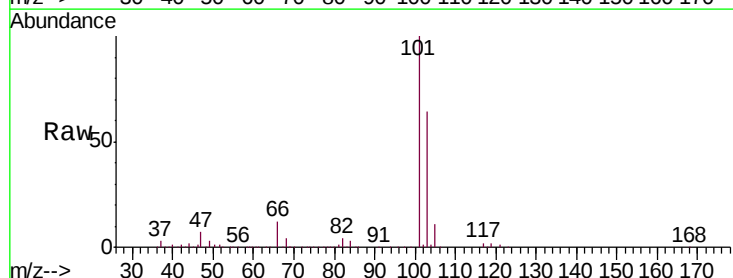
Acq: 23 Apr 2019 09:17

Tgt Ion: 101 Resp: 401270

Ion Ratio Lower Upper

101 100

103 64.8 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): VU031400.D (-233) (-)

Ion 103.00 (102.70 to 103.70): VU031400.D (-233) (-)

1.88

300000

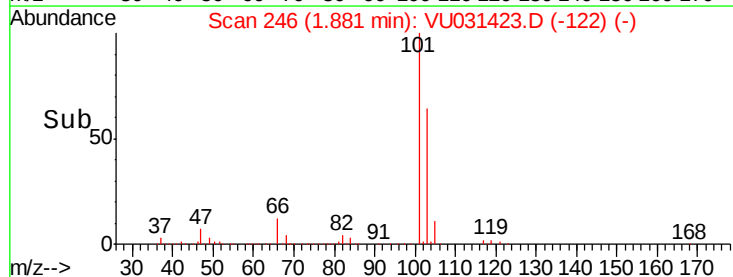
200000

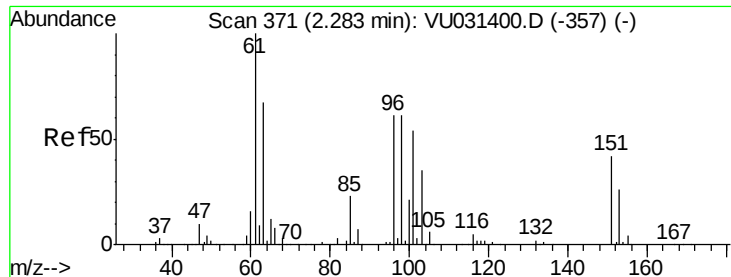
100000

0

1.80 1.85 1.90 1.95

Time-->





#10

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

Concen: 54.815 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU031423.D

Acq: 23 Apr 2019 09:17

Instrument :

MSVOA_U

ClientSampleId :

BFB

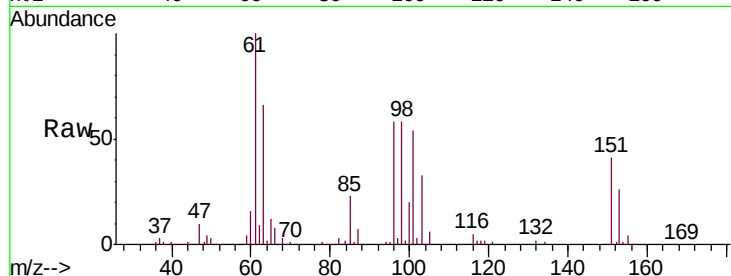
Tgt Ion: 101 Resp: 241646

Ion Ratio Lower Upper

101 100

85 42.6 33.1 49.7

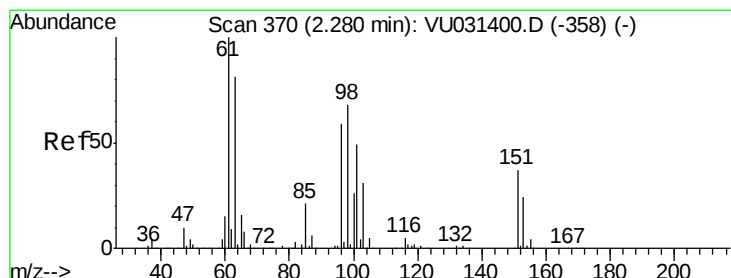
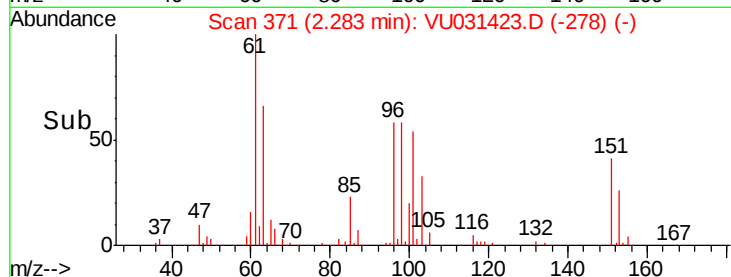
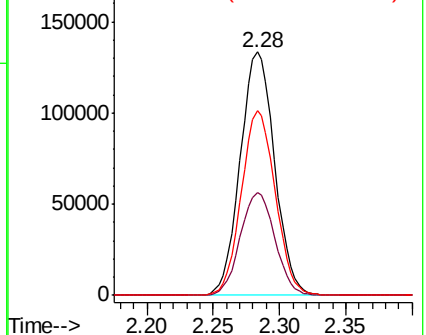
151 74.7 61.4 92.0



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: 52.766 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU031423.D

Acq: 23 Apr 2019 09:17

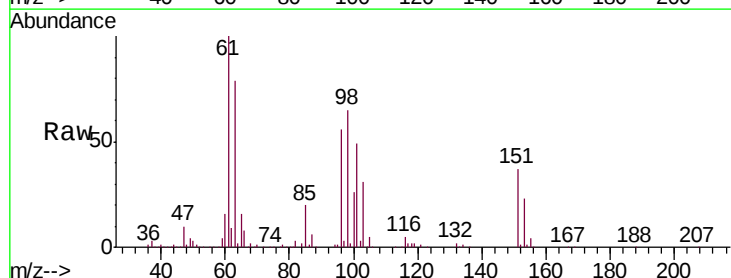
Tgt Ion: 96 Resp: 228829

Ion Ratio Lower Upper

96 100

61 177.5 118.9 220.9

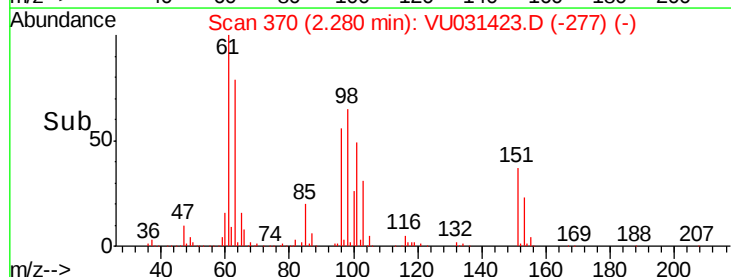
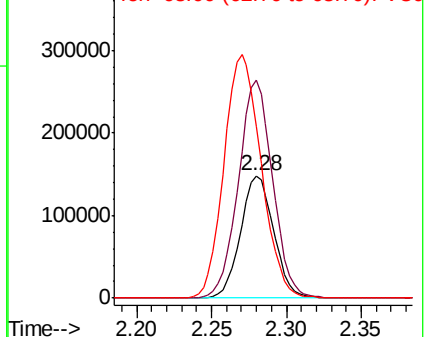
63 140.8 99.3 184.3

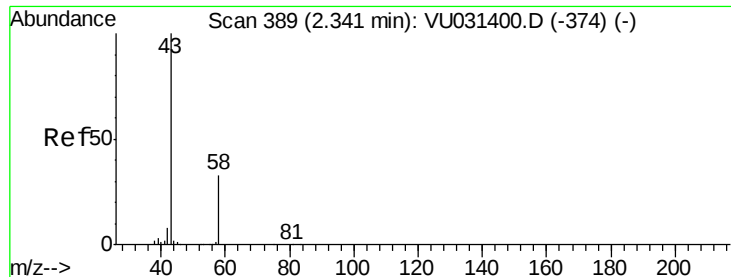


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 136.140 ug/L

RT: 2.34 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU031423.D

Acq: 23 Apr 2019 09:17

Instrument :

MSVOA_U

ClientSampleId :

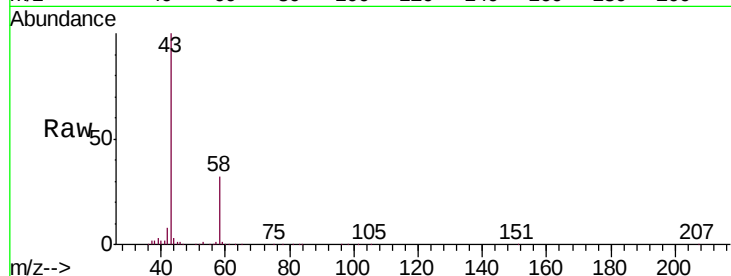
BFB

Tgt Ion: 43 Resp: 460930

Ion Ratio Lower Upper

43 100

58 32.8 0.0 66.4



Abundance Ion 43.00 (42.70 to 43.70): VU031400.D (-374) (-)

Ion 58.00 (57.70 to 58.70): VU031400.D (-374) (-)

2.34

150000

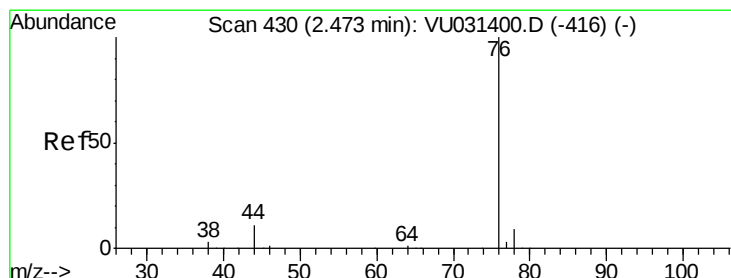
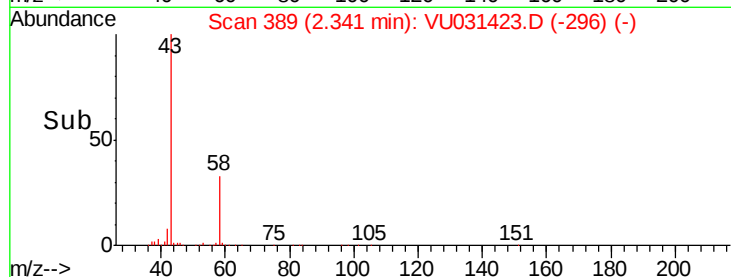
100000

50000

0

2.30 2.40 2.50

Time-->



#14

Carbon disulfide

Concen: 52.383 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VU031423.D

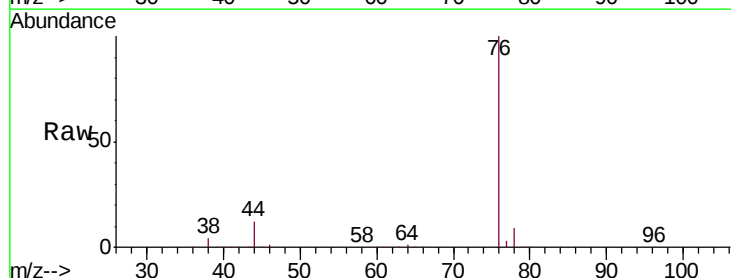
Acq: 23 Apr 2019 09:17

Tgt Ion: 76 Resp: 681849

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU031400.D (-416) (-)

Ion 78.00 (77.70 to 78.70): VU031400.D (-416) (-)

2.47

500000

400000

300000

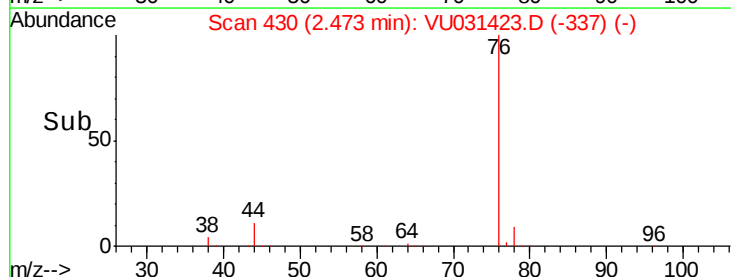
200000

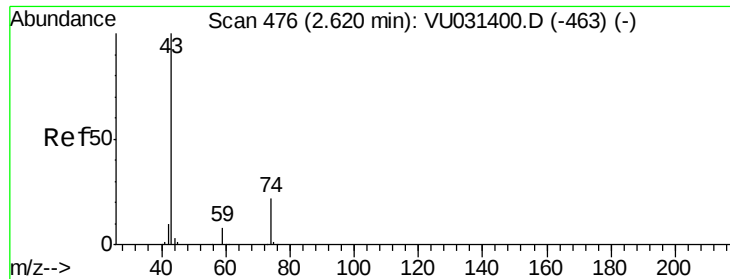
100000

0

2.40 2.45 2.50 2.55

Time-->

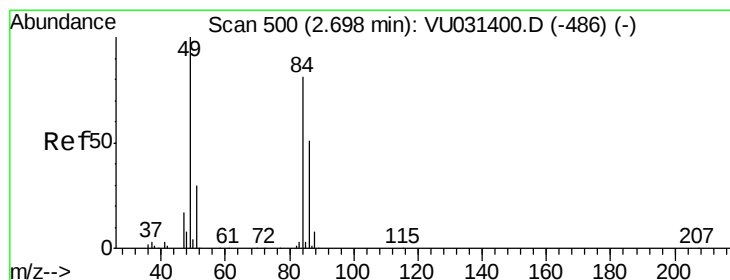
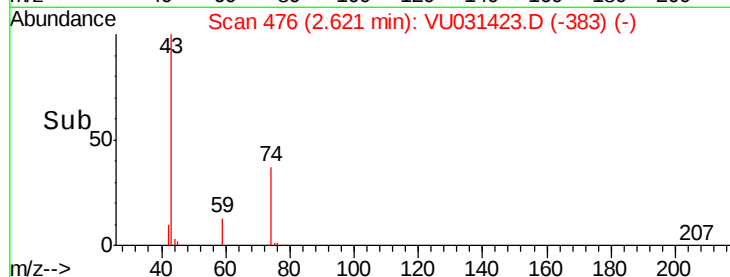
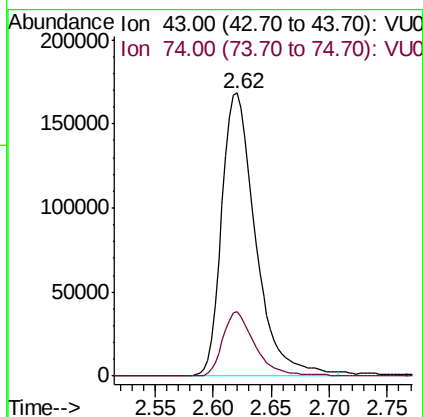
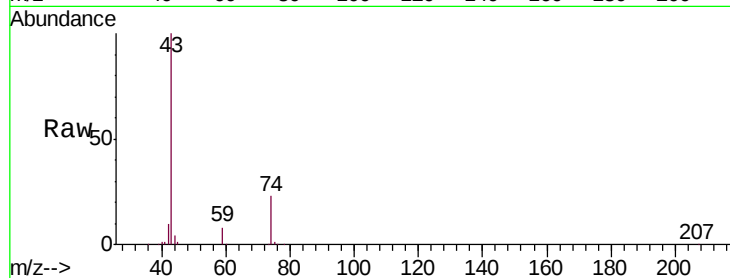




#15
Methyl Acetate
Concen: 54.659 ug/L
RT: 2.62 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU031423.D
Acq: 23 Apr 2019 09:17

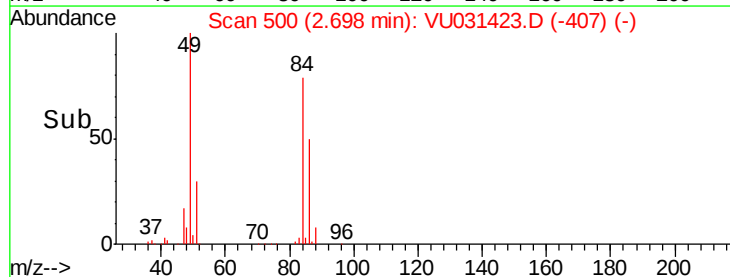
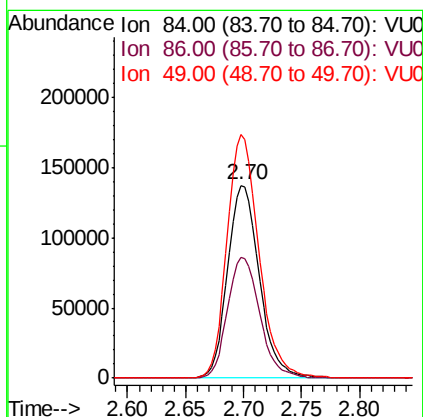
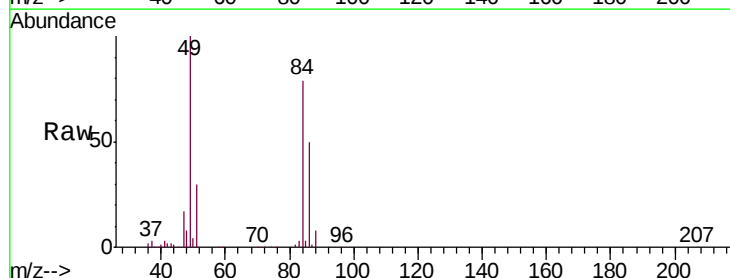
Instrument :
MSVOA_U
ClientSampleId :
BFB

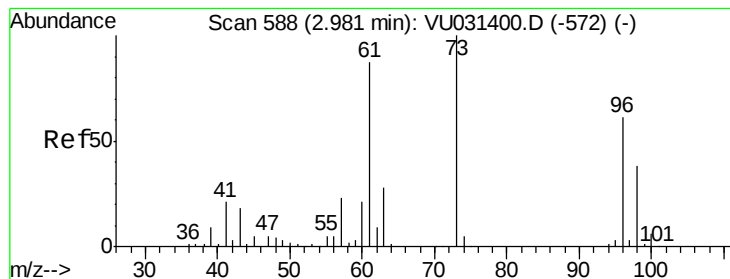
Tgt Ion: 43 Resp: 338062
Ion Ratio Lower Upper
43 100
74 21.4 18.1 27.1



#16
Methylene chloride
Concen: 52.687 ug/L
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU031423.D
Acq: 23 Apr 2019 09:17

Tgt Ion: 84 Resp: 260304
Ion Ratio Lower Upper
84 100
86 62.8 44.4 82.5
49 126.2 86.7 161.1





#17

trans-1,2-Dichloroethene

Concen: 53.330 ug/L

RT: 2.98 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU031423.D

Acq: 23 Apr 2019 09:17

Instrument :

MSVOA_U

ClientSampleId :

BFB

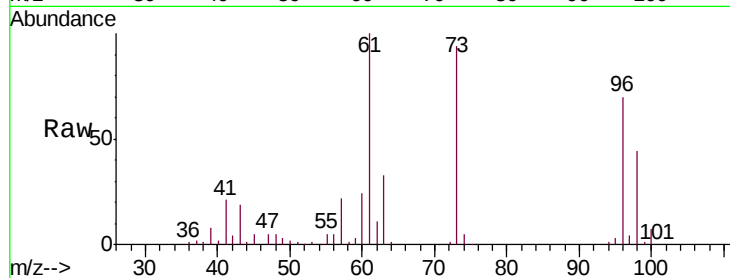
Tgt Ion: 96 Resp: 238533

Ion Ratio Lower Upper

96 100

61 143.7 100.3 186.3

98 63.0 44.0 81.6

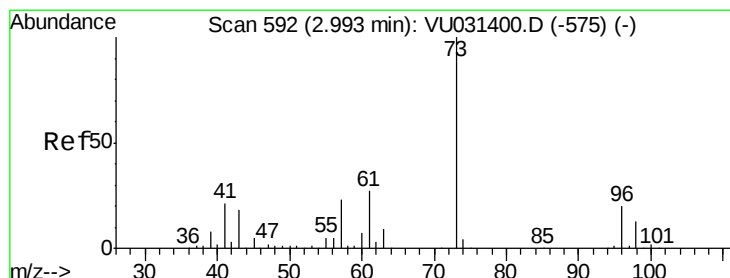
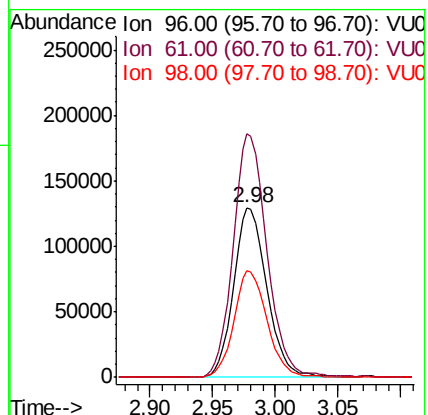
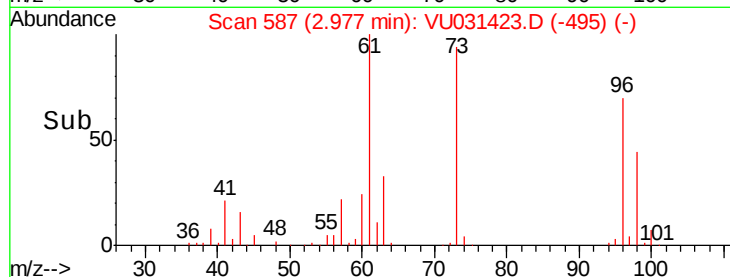


Abundance Ion 96.00 (95.70 to 96.70): VU031400.D (-572) (-)

Ion 61.00 (60.70 to 61.70): VU031400.D (-572) (-)

Ion 98.00 (97.70 to 98.70): VU031400.D (-572) (-)

Time-->



#18

Methyl tert-butyl Ether

Concen: 53.355 ug/L

RT: 2.99 min Scan# 592

Delta R.T. 0.00 min

Lab File: VU031423.D

Acq: 23 Apr 2019 09:17

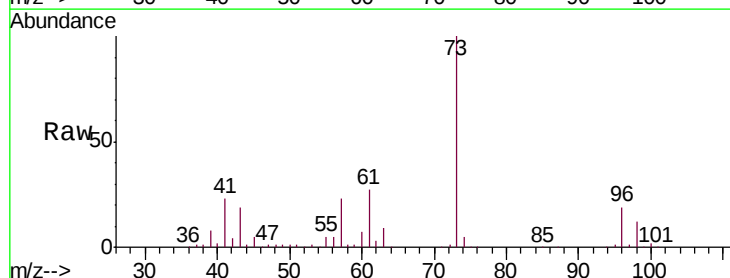
Tgt Ion: 73 Resp: 784880

Ion Ratio Lower Upper

73 100

43 18.7 14.6 21.8

57 23.1 18.5 27.7

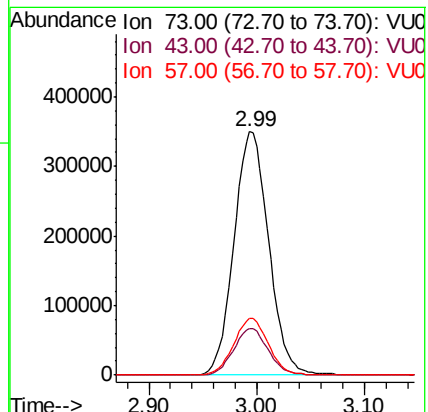
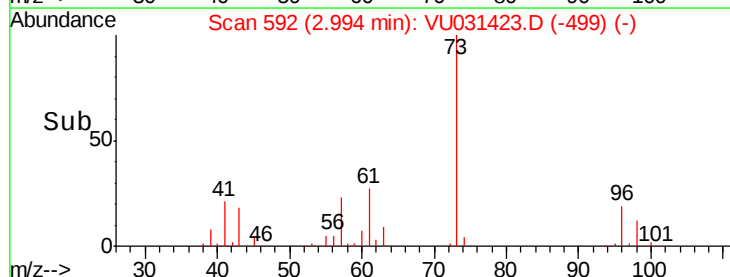


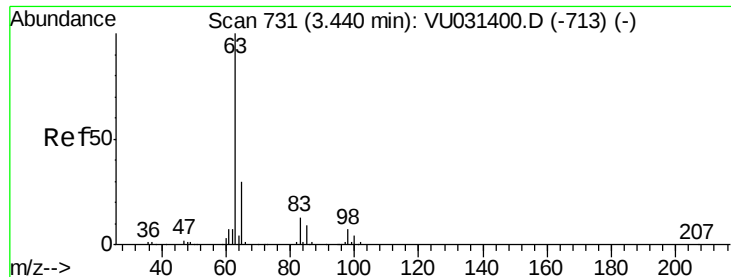
Abundance Ion 73.00 (72.70 to 73.70): VU031400.D (-575) (-)

Ion 43.00 (42.70 to 43.70): VU031400.D (-575) (-)

Ion 57.00 (56.70 to 57.70): VU031400.D (-575) (-)

Time-->

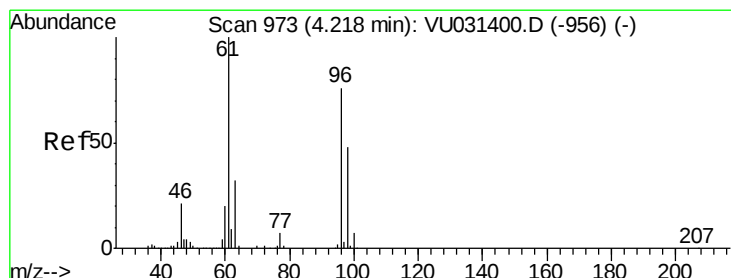
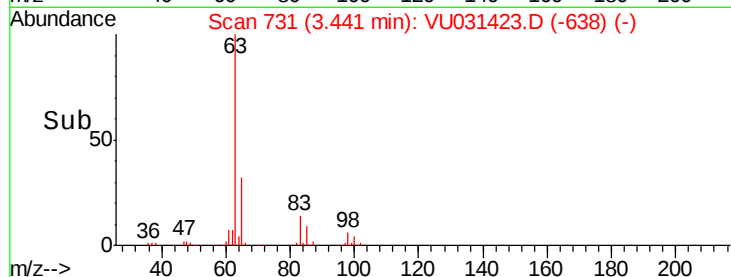
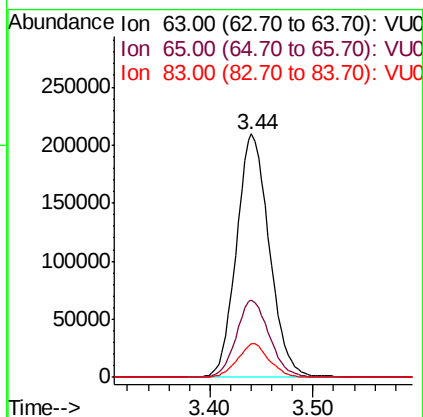
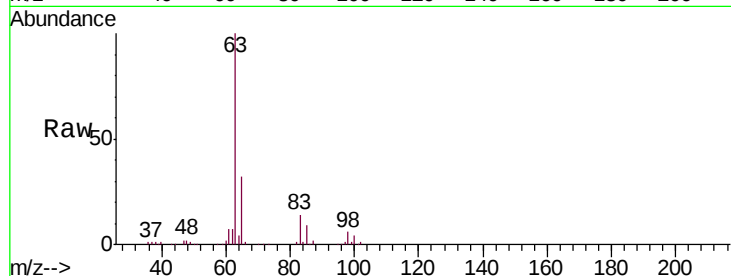




#19
 1,1-Dichloroethane
 Concen: 53.176 ug/L
 RT: 3.44 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU031423.D
 Acq: 23 Apr 2019 09:17

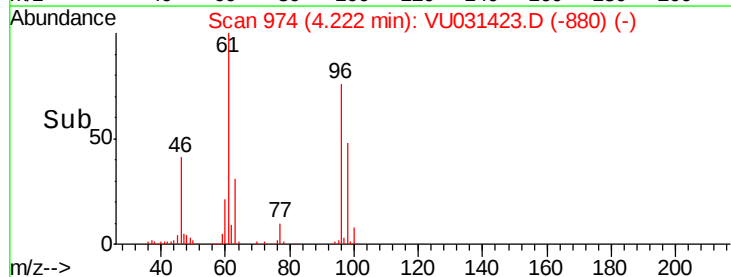
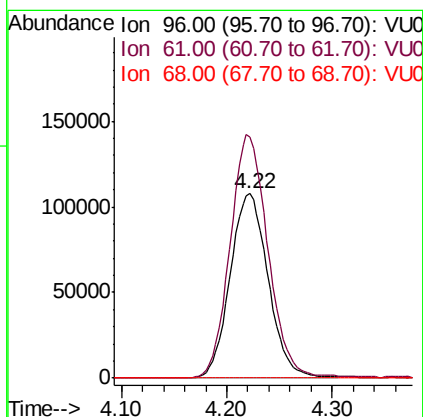
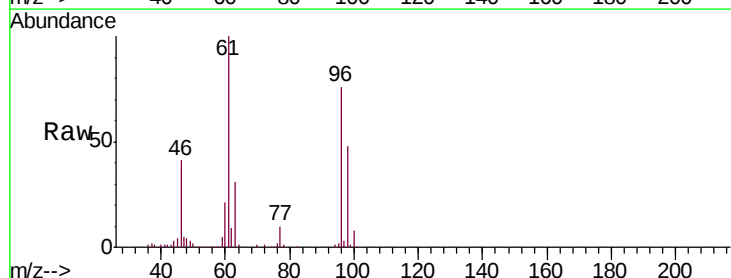
Instrument :
 MSVOA_U
 ClientSampled :
 BFB

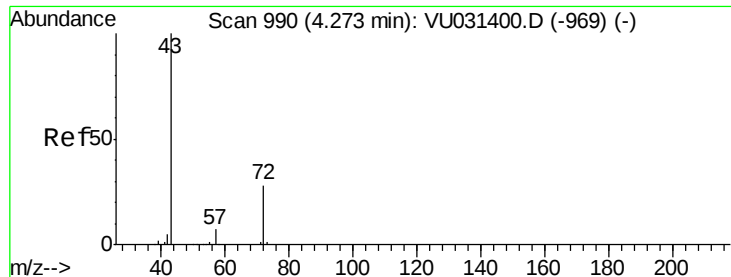
Tgt Ion: 63 Resp: 464954
 Ion Ratio Lower Upper
 63 100
 65 31.7 21.2 39.4
 83 13.8 9.2 17.2



#20
 cis-1,2-Dichloroethene
 Concen: 53.026 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU031423.D
 Acq: 23 Apr 2019 09:17

Tgt Ion: 96 Resp: 269110
 Ion Ratio Lower Upper
 96 100
 61 130.8 91.9 170.7
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 123.278 ug/L

RT: 4.27 min Scan# 990

Delta R.T. 0.00 min

Lab File: VU031423.D

Acq: 23 Apr 2019 09:17

Instrument :

MSVOA_U

ClientSampleId :

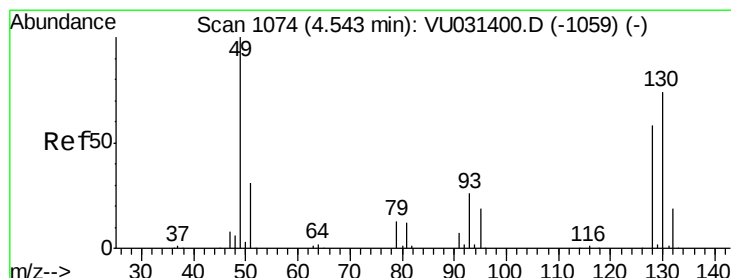
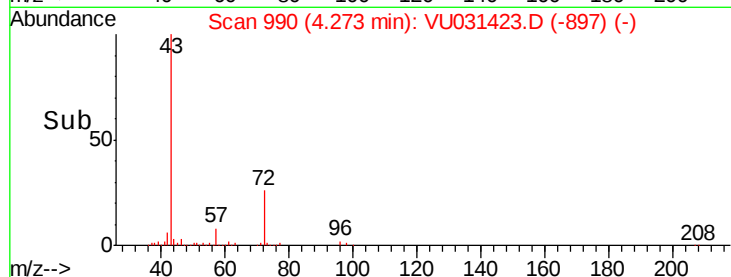
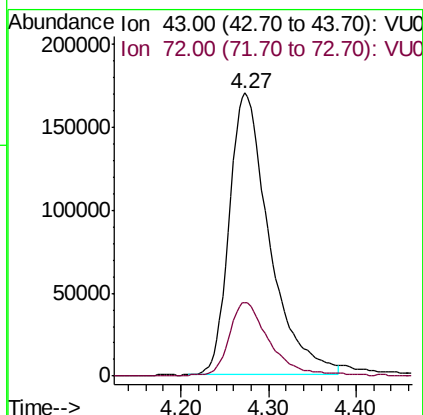
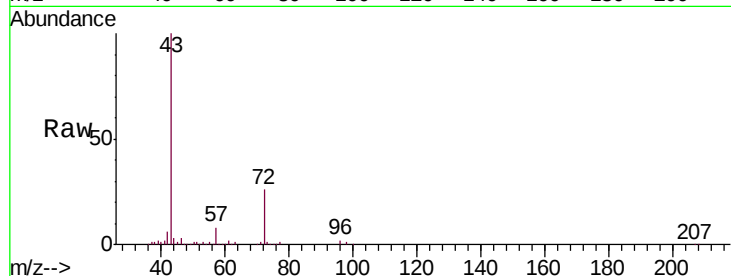
BFB

Tgt Ion: 43 Resp: 540887

Ion Ratio Lower Upper

43 100

72 25.0 12.6 37.8



#23

Bromochloromethane

Concen: 52.548 ug/L

RT: 4.54 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VU031423.D

Acq: 23 Apr 2019 09:17

Tgt Ion: 128 Resp: 133749

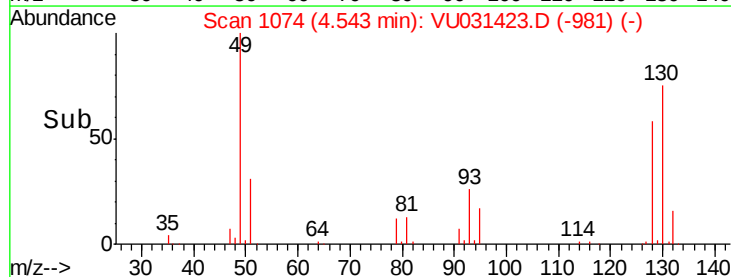
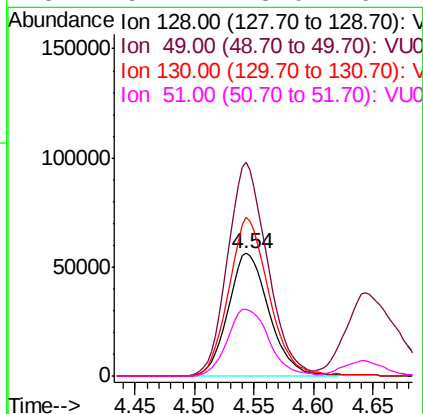
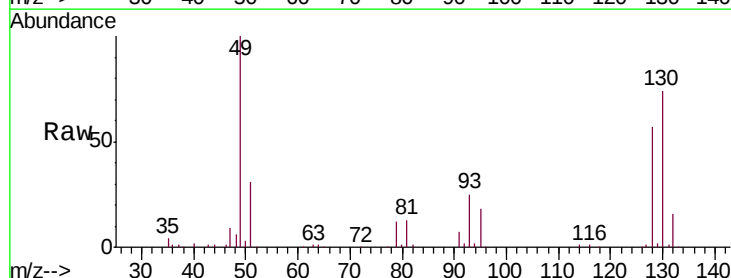
Ion Ratio Lower Upper

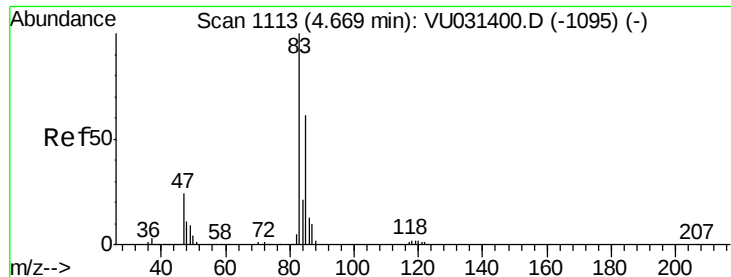
128 100

49 174.1 120.1 223.1

130 129.3 88.5 164.3

51 54.4 43.0 64.4





#25

Chloroform

Concen: 54.172 ug/L

RT: 4.67 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VU031423.D

Acq: 23 Apr 2019 09:17

Instrument :

MSVOA_U

ClientSampleId :

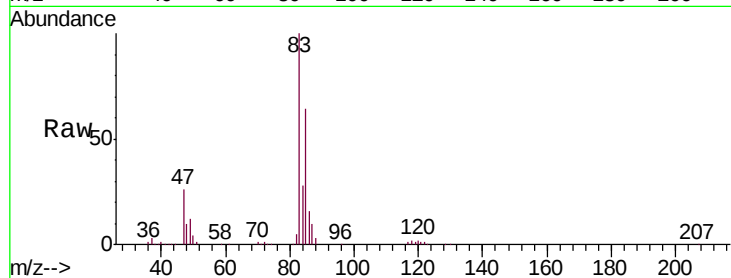
BFB

Tgt Ion: 83 Resp: 456515

Ion Ratio Lower Upper

83 100

85 64.2 43.0 79.8



Abundance Ion 83.00 (82.70 to 83.70): VU031400.D (-1095) (-)

Ion 85.00 (84.70 to 85.70): VU031400.D (-1095) (-)

4.67

200000

150000

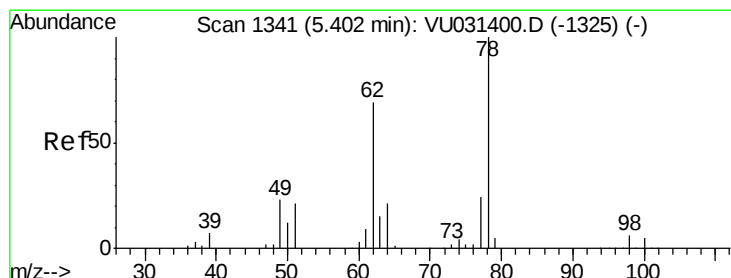
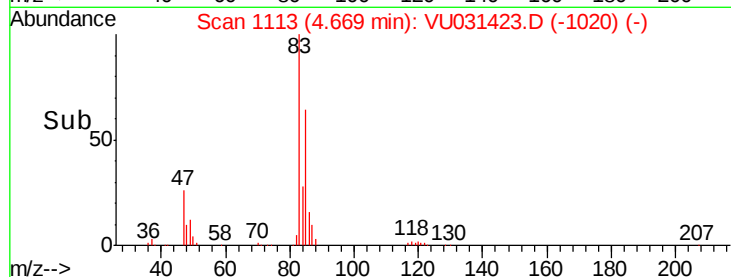
100000

50000

0

4.60 4.70 4.80

Time-->



#27

1,2-Dichloroethane

Concen: 53.061 ug/L

RT: 5.40 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VU031423.D

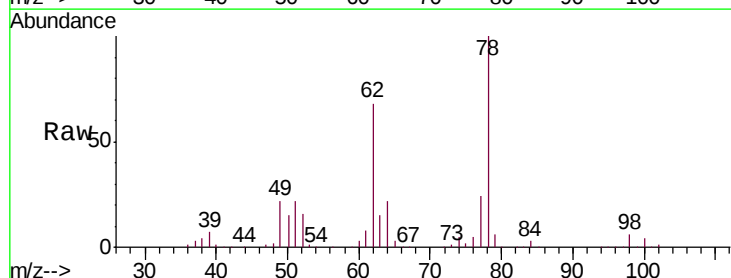
Acq: 23 Apr 2019 09:17

Tgt Ion: 62 Resp: 333477

Ion Ratio Lower Upper

62 100

98 9.2 7.3 10.9



Abundance Ion 62.00 (61.70 to 62.70): VU031400.D (-1325) (-)

Ion 98.00 (97.70 to 98.70): VU031400.D (-1325) (-)

5.40

150000

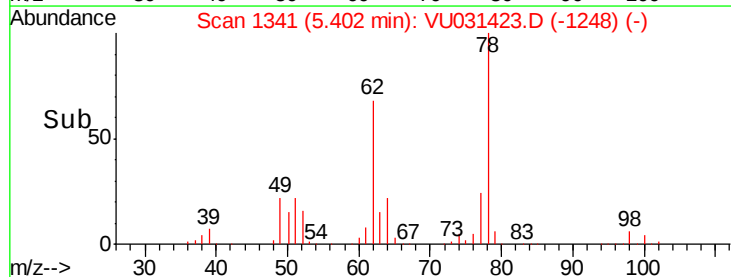
100000

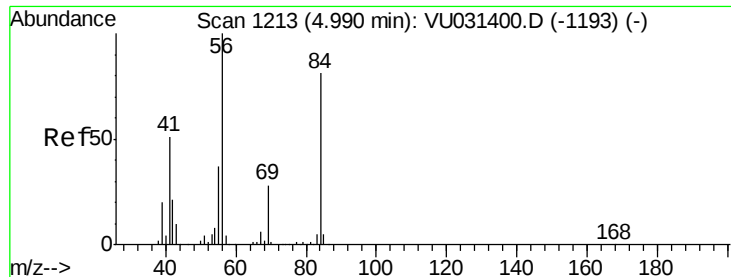
50000

0

5.30 5.35 5.40 5.45 5.50

Time-->

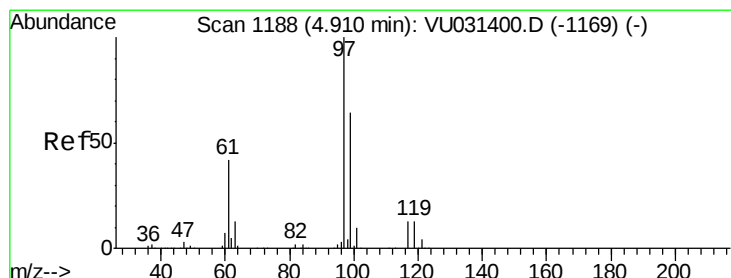
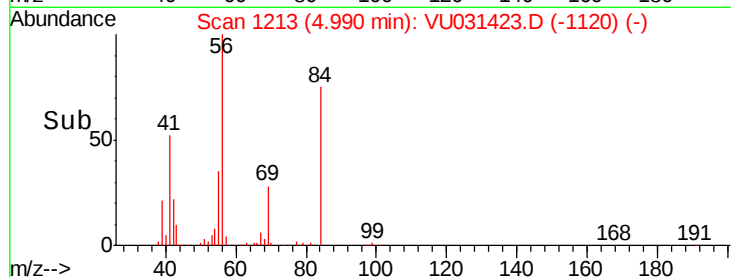
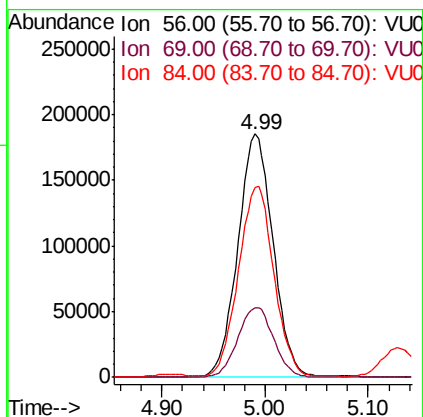
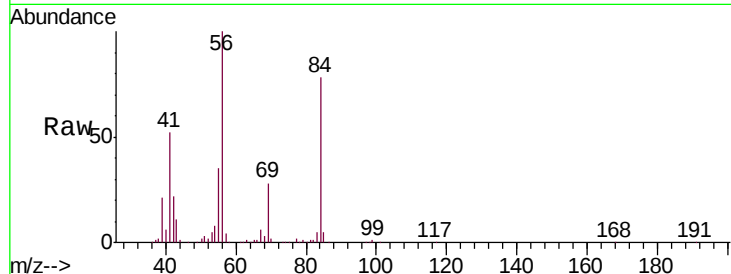




#29
Cyclohexane
Concen: 54.288 ug/L
RT: 4.99 min Scan# 1213
Delta R.T. 0.00 min
Lab File: VU031423.D
Acq: 23 Apr 2019 09:17

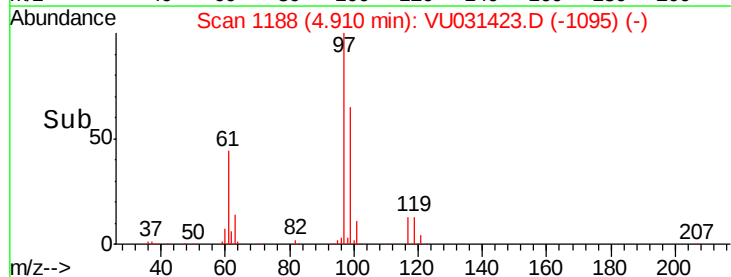
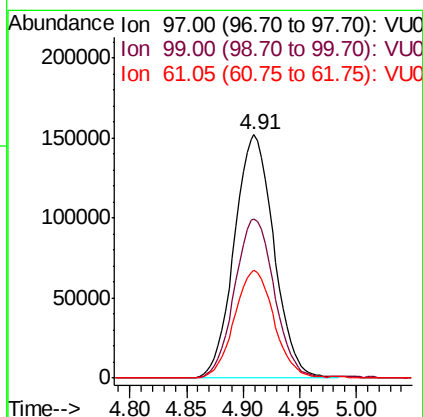
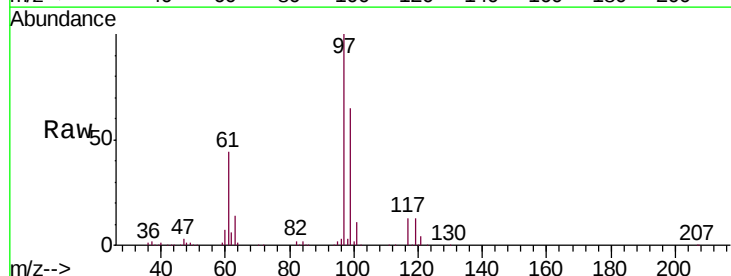
Instrument :
MSVOA_U
ClientSampled :
BFB

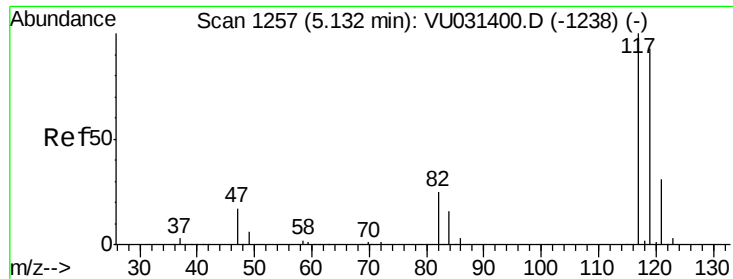
Tgt Ion: 56 Resp: 439752
Ion Ratio Lower Upper
56 100
69 29.3 23.3 34.9
84 77.9 64.6 96.8



#30
1,1,1-Trichloroethane
Concen: 52.050 ug/L
RT: 4.91 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU031423.D
Acq: 23 Apr 2019 09:17

Tgt Ion: 97 Resp: 370456
Ion Ratio Lower Upper
97 100
99 65.7 52.0 78.0
61 44.3 33.9 50.9

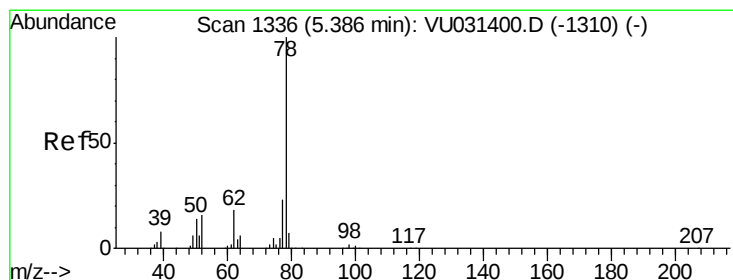
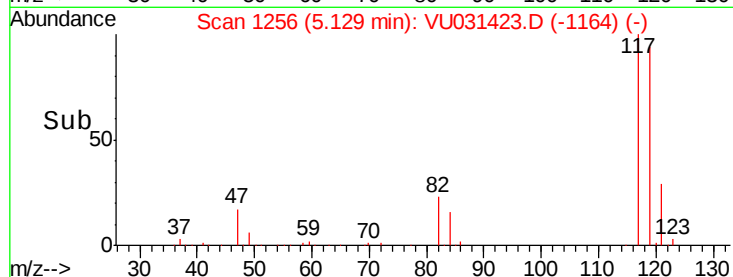
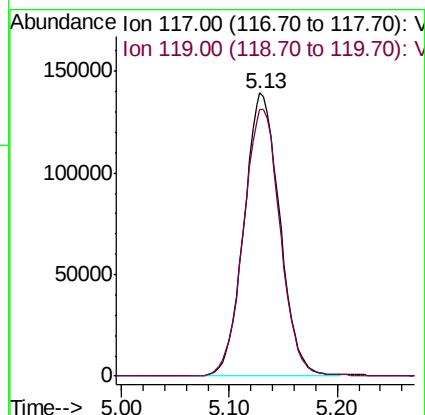
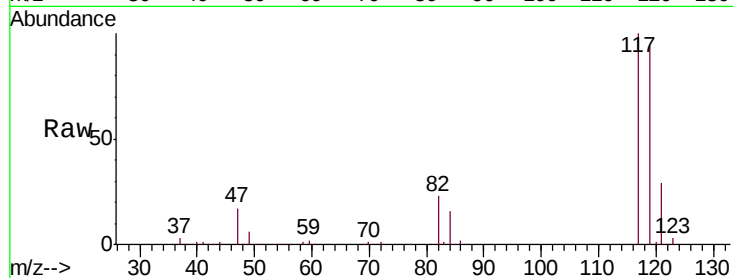




#31
Carbon tetrachloride
Concen: 52.654 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. -0.00 min
Lab File: VU031423.D
Acq: 23 Apr 2019 09:17

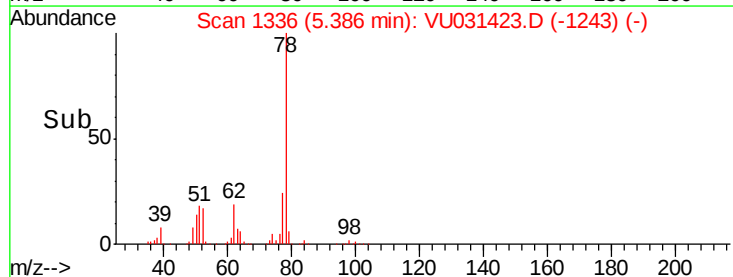
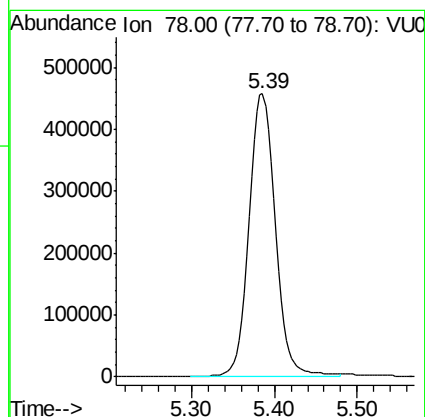
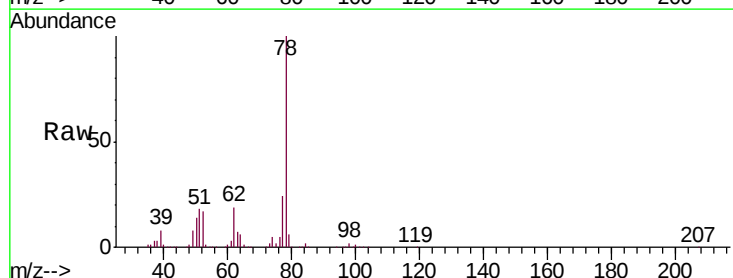
Instrument :
MSVOA_U
ClientSampleId :
BFB

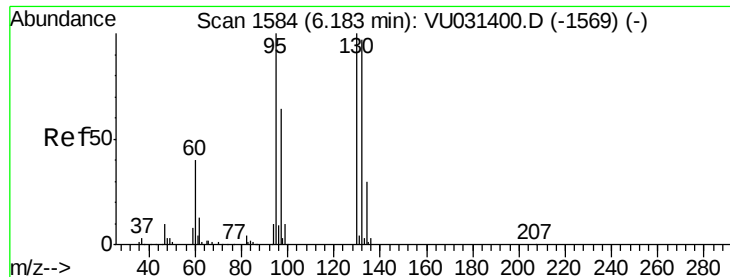
Tgt Ion:117 Resp: 320845
Ion Ratio Lower Upper
117 100
119 96.6 76.2 114.4



#33
Benzene
Concen: 52.540 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VU031423.D
Acq: 23 Apr 2019 09:17

Tgt Ion: 78 Resp: 1015055





#34

Trichloroethene

Concen: 50.446 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU031423.D

Acq: 23 Apr 2019 09:17

Instrument :

MSVOA_U

ClientSampleId :

BFB

Tgt Ion: 95 Resp: 258113

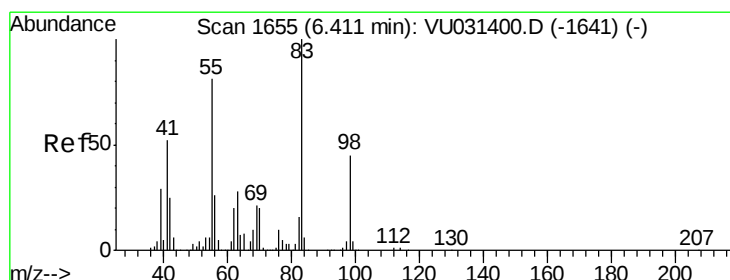
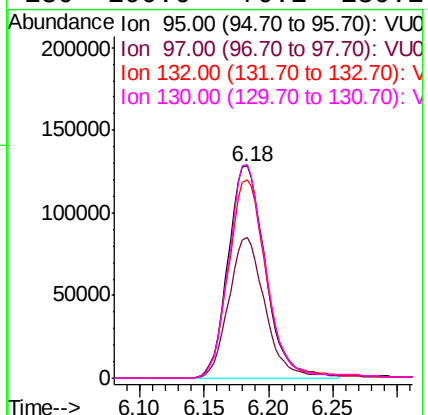
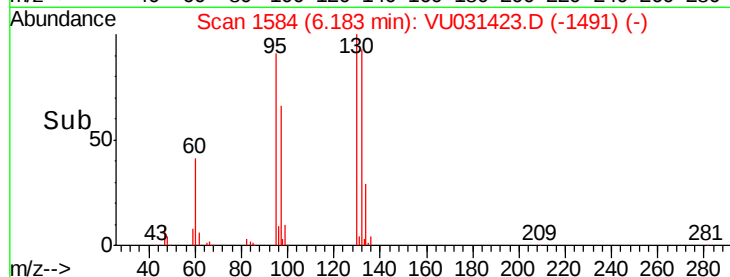
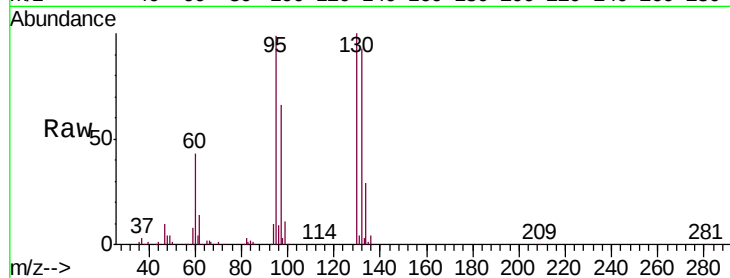
Ion Ratio Lower Upper

95 100

97 66.1 44.9 83.5

132 93.4 68.0 126.2

130 100.6 70.1 130.1



#35

Methylcyclohexane

Concen: 53.560 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU031423.D

Acq: 23 Apr 2019 09:17

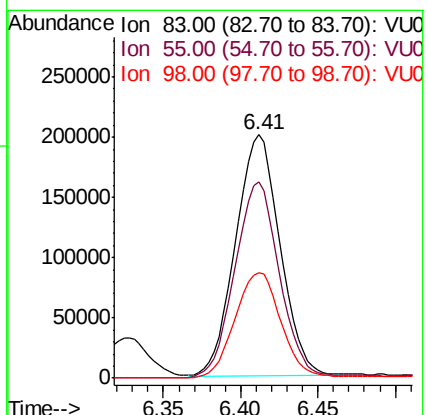
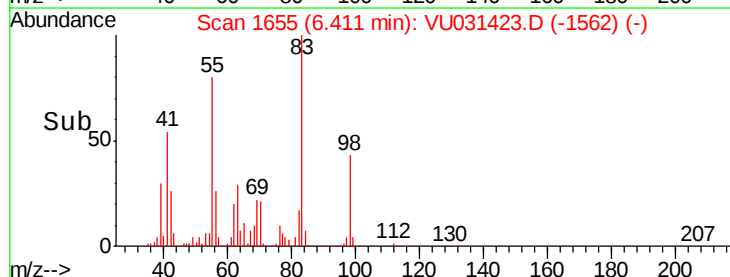
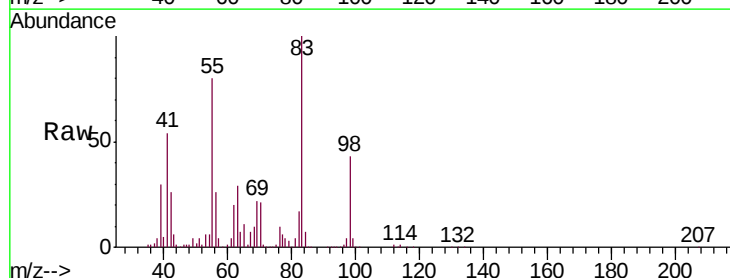
Tgt Ion: 83 Resp: 401013

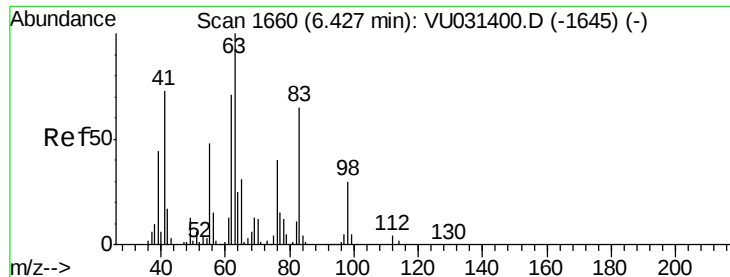
Ion Ratio Lower Upper

83 100

55 82.7 65.4 98.0

98 45.2 36.8 55.2

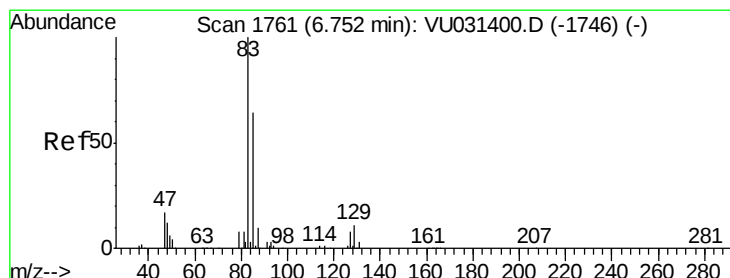
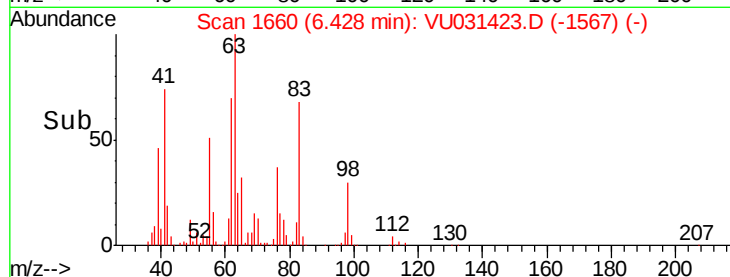
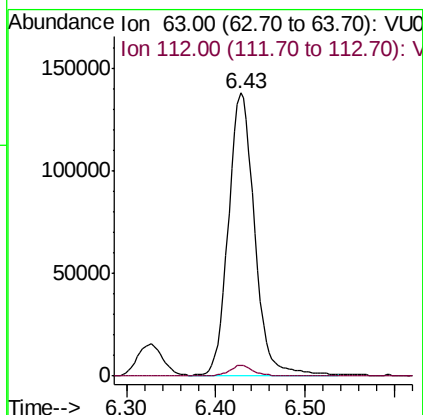
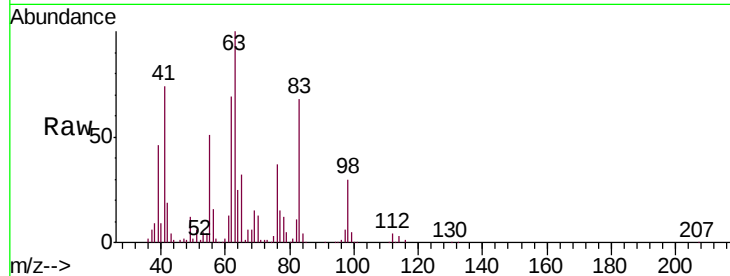




#37
 1,2-Dichloropropane
 Concen: 54.645 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VU031423.D
 Acq: 23 Apr 2019 09:17

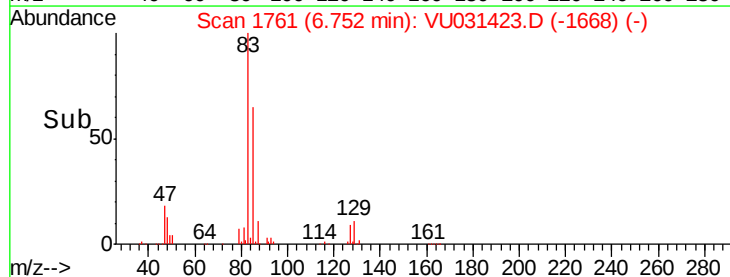
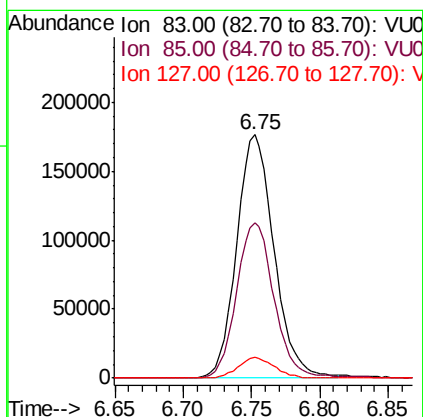
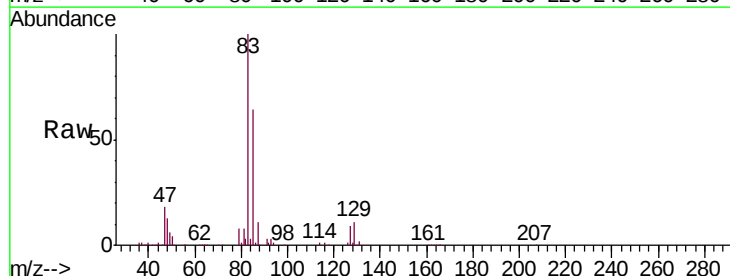
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

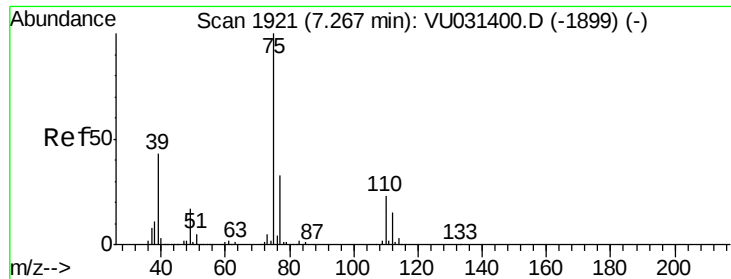
Tgt Ion: 63 Resp: 281240
 Ion Ratio Lower Upper
 63 100
 112 3.5 3.0 4.4



#38
 Bromodichloromethane
 Concen: 52.855 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. 0.00 min
 Lab File: VU031423.D
 Acq: 23 Apr 2019 09:17

Tgt Ion: 83 Resp: 333697
 Ion Ratio Lower Upper
 83 100
 85 63.7 45.0 83.6
 127 8.7 6.7 10.1

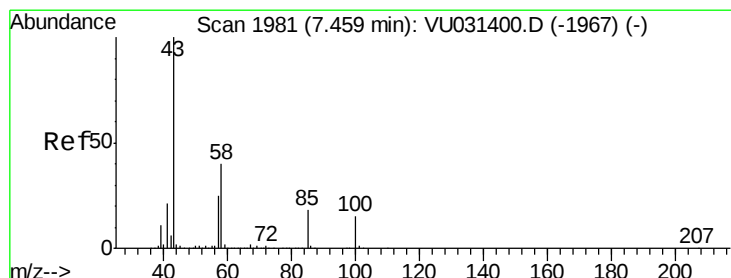
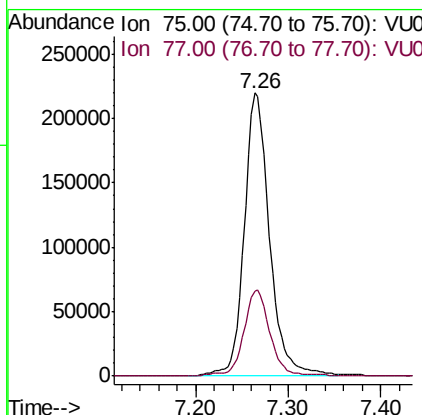
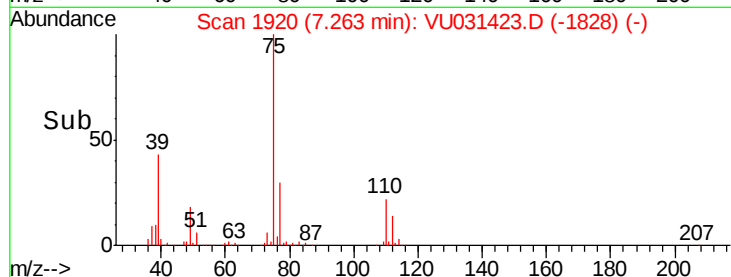
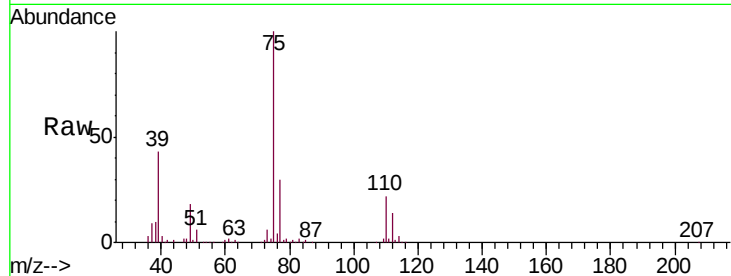




#39
 cis-1,3-Dichloropropene
 Concen: 54.192 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VU031423.D
 Acq: 23 Apr 2019 09:17

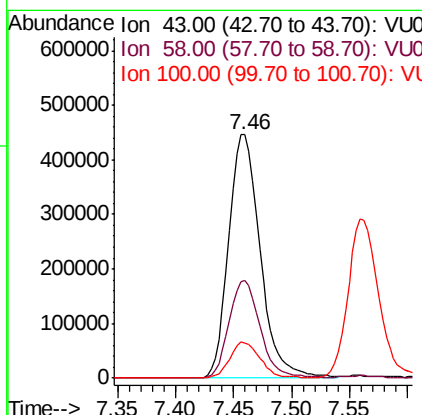
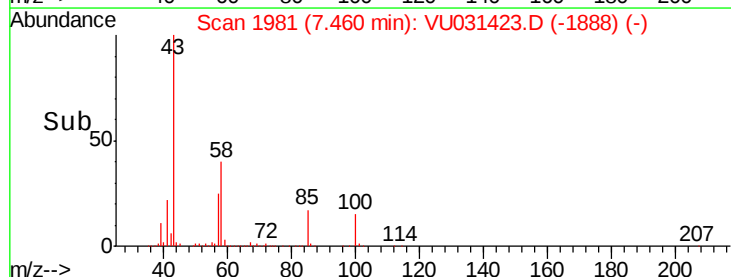
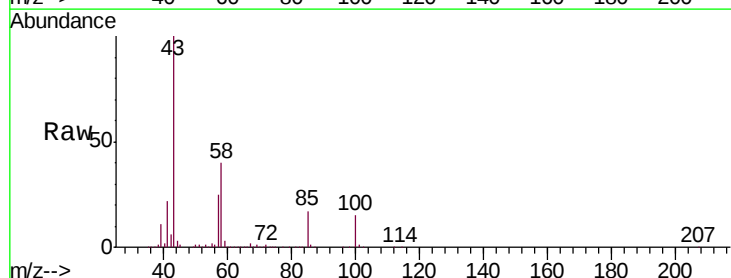
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

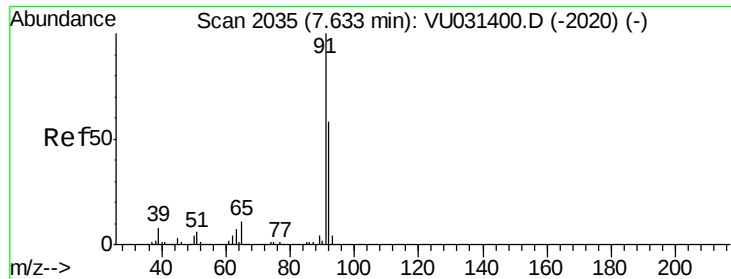
Tgt Ion: 75 Resp: 417423
 Ion Ratio Lower Upper
 75 100
 77 30.2 23.0 42.8



#40
 4-Methyl-2-pentanone
 Concen: 107.453 ug/L
 RT: 7.46 min Scan# 1981
 Delta R.T. 0.00 min
 Lab File: VU031423.D
 Acq: 23 Apr 2019 09:17

Tgt Ion: 43 Resp: 840487
 Ion Ratio Lower Upper
 43 100
 58 39.7 32.3 48.5
 100 14.2 11.8 17.8





#42

Toluene

Concen: 53.056 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU031423.D

Acq: 23 Apr 2019 09:17

Instrument :

MSVOA_U

ClientSampleId :

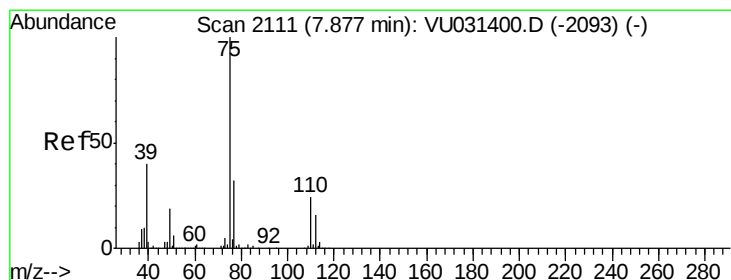
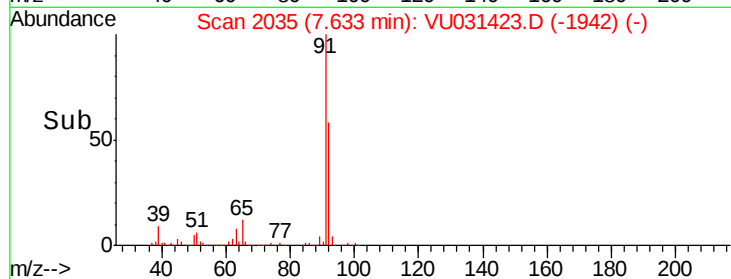
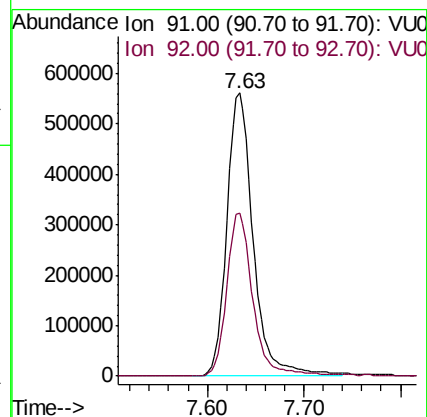
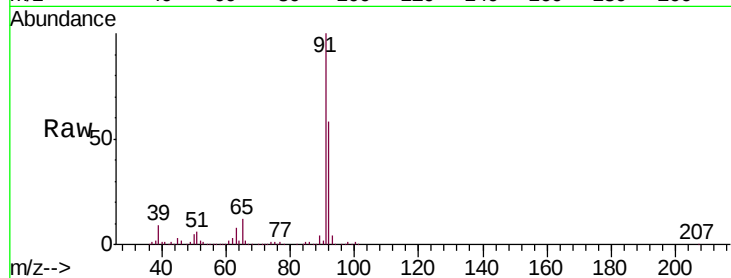
BFB

Tgt Ion: 91 Resp: 1063688

Ion Ratio Lower Upper

91 100

92 57.7 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 54.264 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VU031423.D

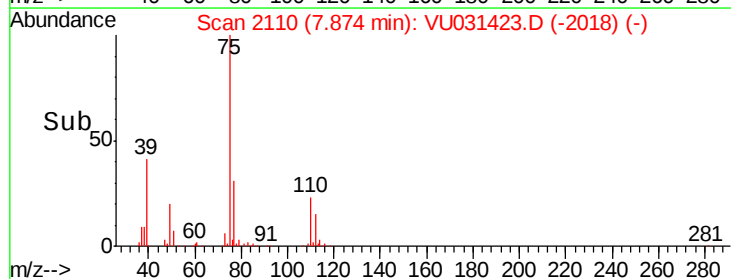
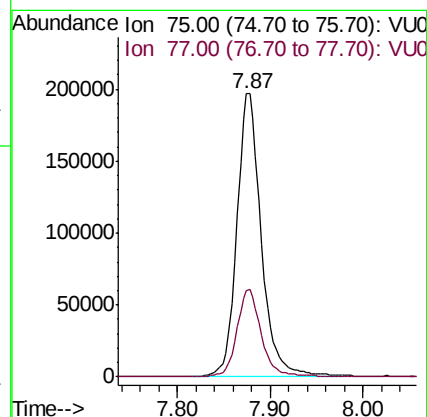
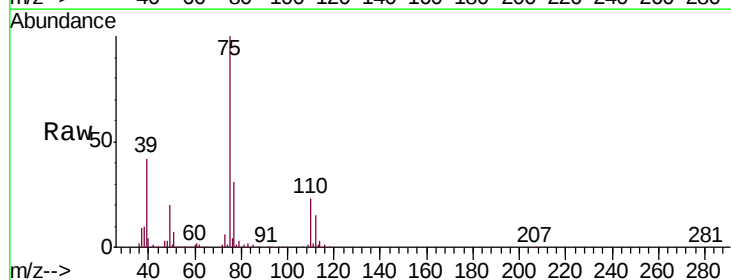
Acq: 23 Apr 2019 09:17

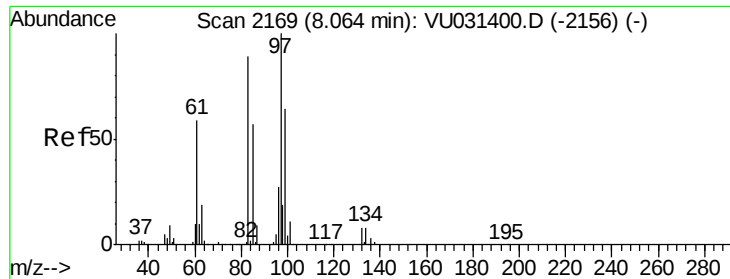
Tgt Ion: 75 Resp: 360305

Ion Ratio Lower Upper

75 100

77 30.6 22.3 41.3

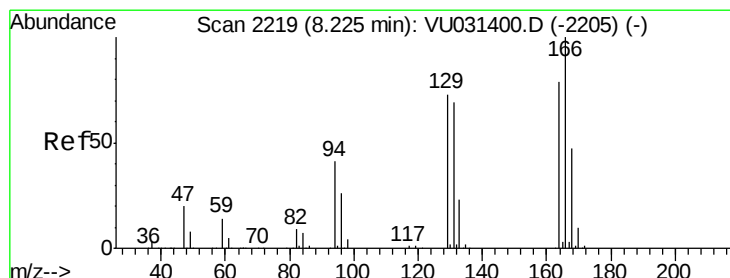
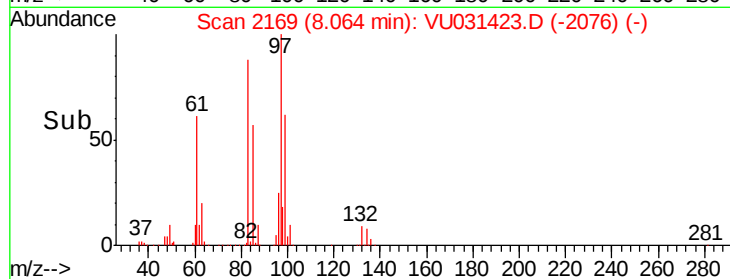
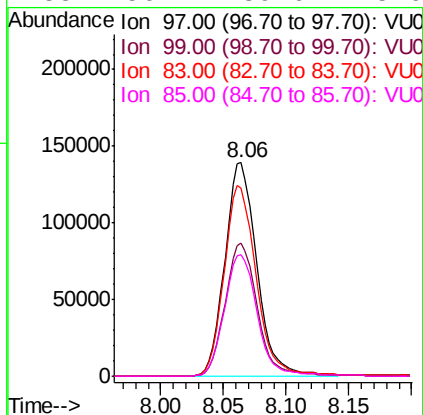
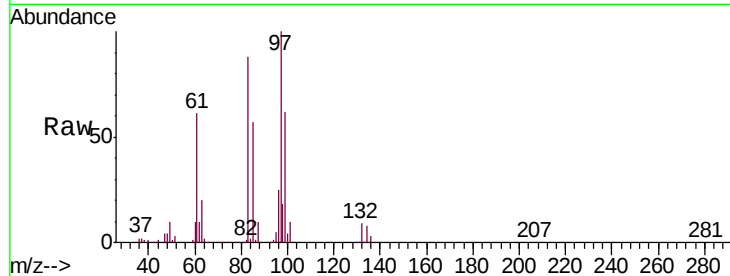




#45
 1,1,2-Trichloroethane
 Concen: 52.401 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: VU031423.D
 Acq: 23 Apr 2019 09:17

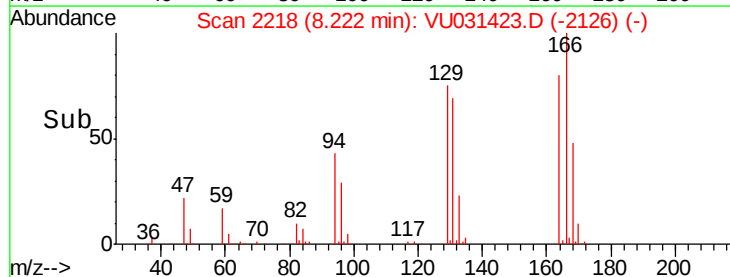
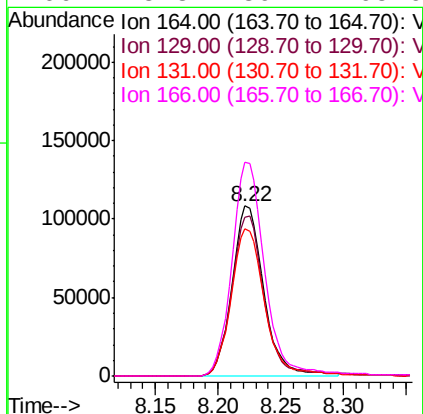
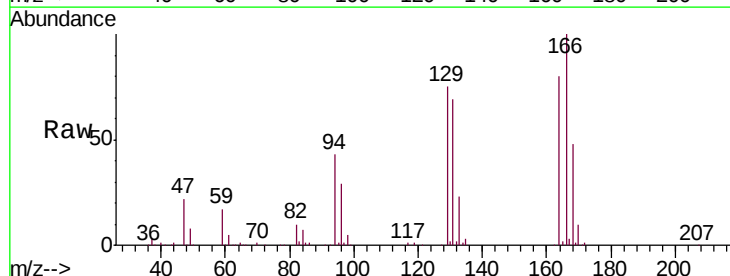
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

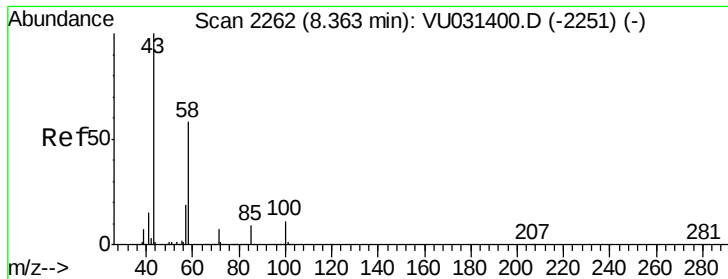
Tgt Ion:	97	Resp:	247699
Ion	Ratio	Lower	Upper
97	100		
99	62.5	44.9	83.3
83	88.1	62.5	116.1
85	56.7	39.6	73.6



#46
 Tetrachloroethene
 Concen: 52.469 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VU031423.D
 Acq: 23 Apr 2019 09:17

Tgt Ion:	164	Resp:	190402
Ion	Ratio	Lower	Upper
164	100		
129	93.8	65.2	121.0
131	87.0	61.4	114.0
166	125.8	89.2	165.6

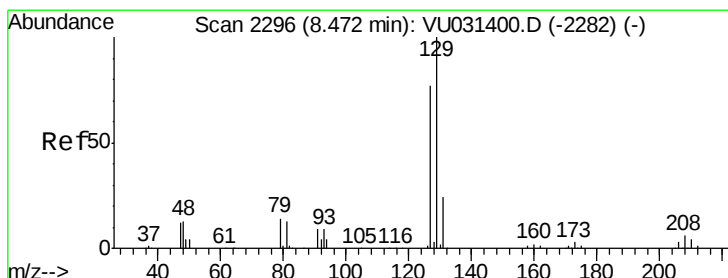
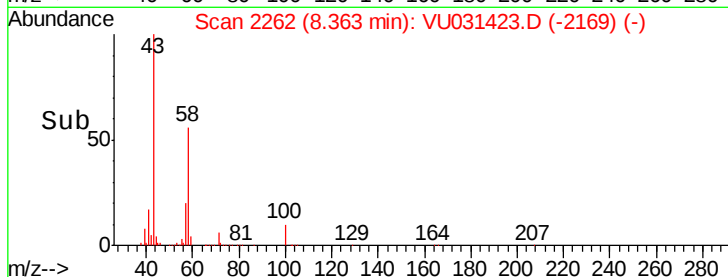
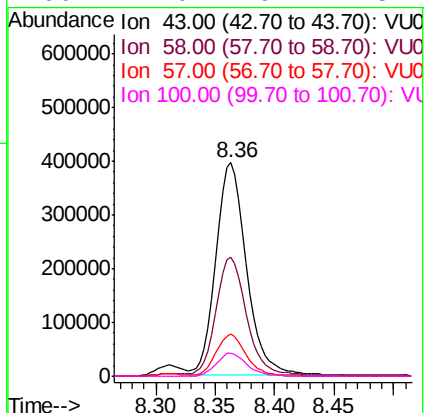
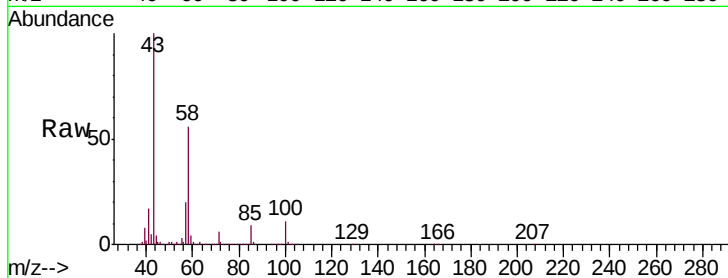




#48
2-Hexanone
Concen: 115.858 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VU031423.D
Acq: 23 Apr 2019 09:17

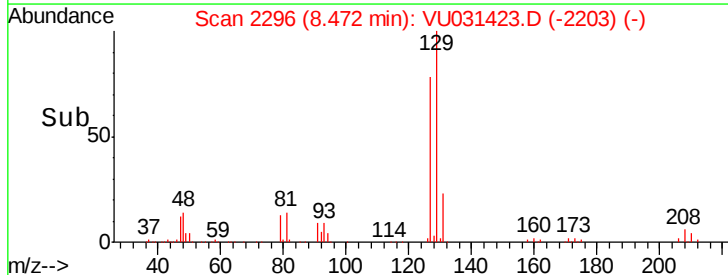
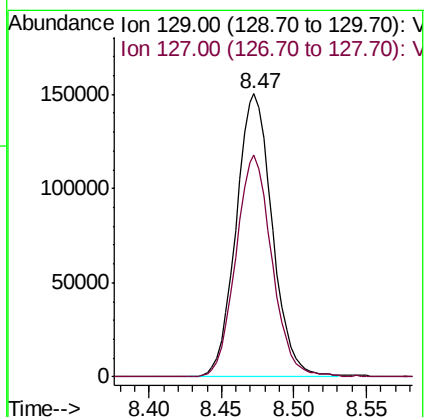
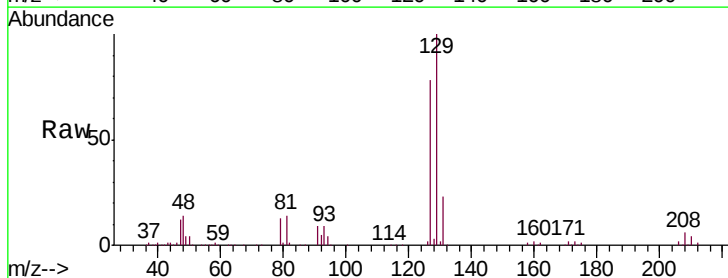
Instrument :
MSVOA_U
ClientSampleId :
BFB

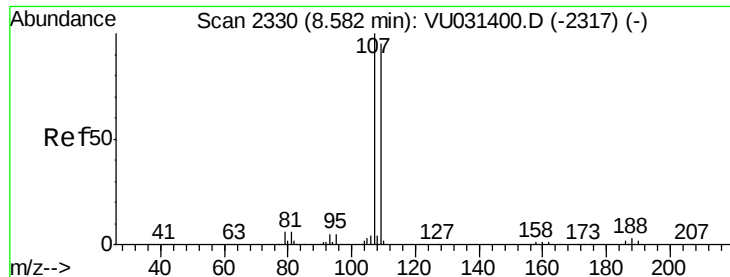
Tgt Ion:	43	Resp:	706919
Ion	Ratio	Lower	Upper
43	100		
58	55.7	45.5	68.3
57	19.6	15.2	22.8
100	11.0	9.1	13.7



#49
Dibromochloromethane
Concen: 52.024 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU031423.D
Acq: 23 Apr 2019 09:17

Tgt Ion:	129	Resp:	260913
Ion	Ratio	Lower	Upper
129	100		
127	78.4	54.2	100.6





#50

1,2-Dibromoethane

Concen: 53.434 ug/L

RT: 8.58 min Scan# 2330

Delta R.T. 0.00 min

Lab File: VU031423.D

Acq: 23 Apr 2019 09:17

Instrument :

MSVOA_U

ClientSampleId :

BFB

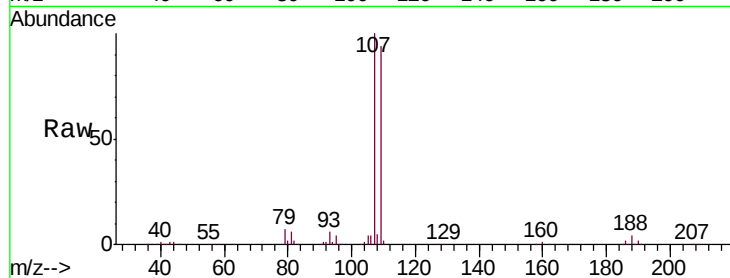
Tgt Ion:107 Resp: 265661

Ion Ratio Lower Upper

107 100

109 94.5 66.6 123.8

188 3.6 2.6 4.0

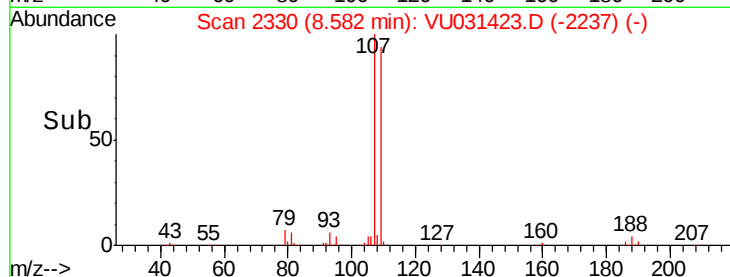


Abundance Ion 107.00 (106.70 to 107.70): V

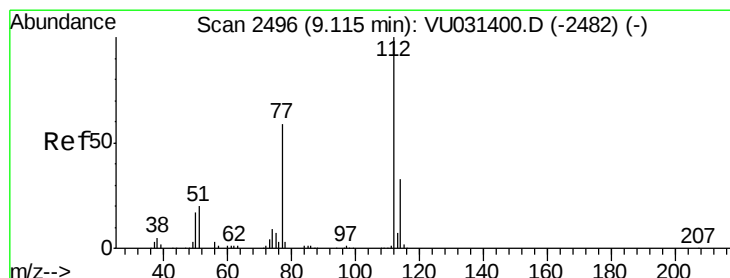
Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

8.58



Time-->



#51

Chlorobenzene

Concen: 51.241 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. 0.00 min

Lab File: VU031423.D

Acq: 23 Apr 2019 09:17

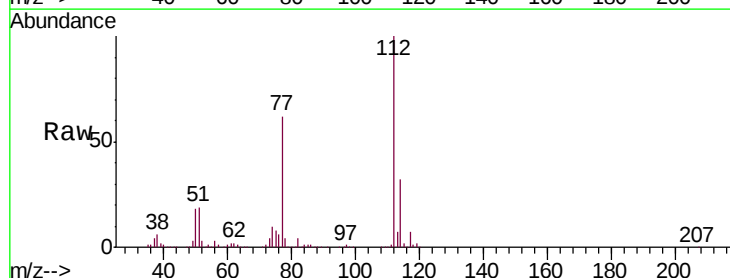
Tgt Ion:112 Resp: 637544

Ion Ratio Lower Upper

112 100

114 31.8 23.0 42.8

77 61.7 47.1 70.7

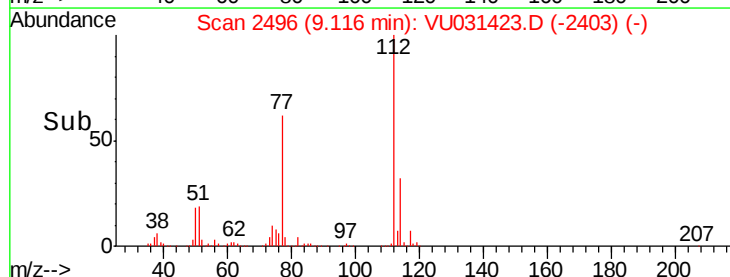


Abundance Ion 112.00 (111.70 to 112.70): V

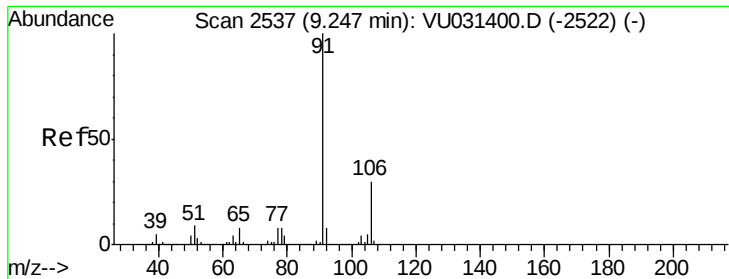
Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0

9.12



Time-->



#52

Ethylbenzene

Concen: 52.591 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU031423.D

Acq: 23 Apr 2019 09:17

Instrument :

MSVOA_U

ClientSampleId :

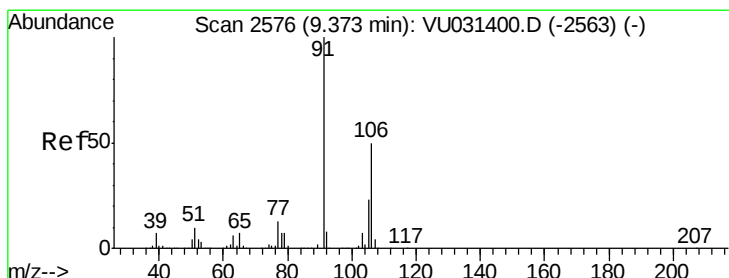
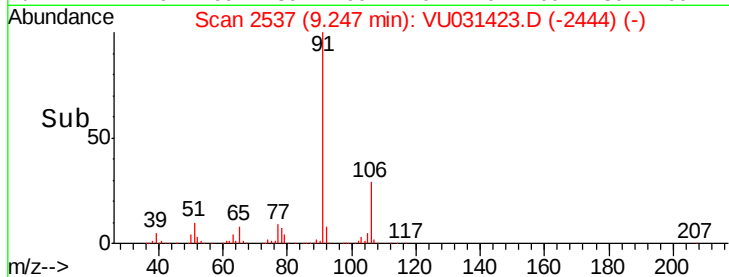
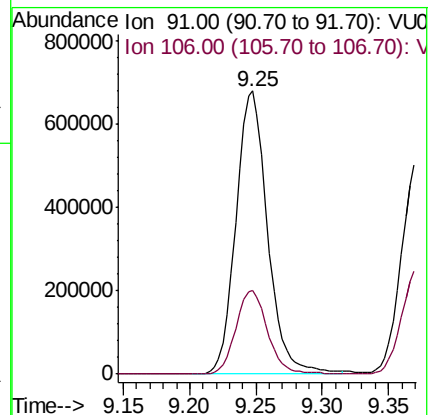
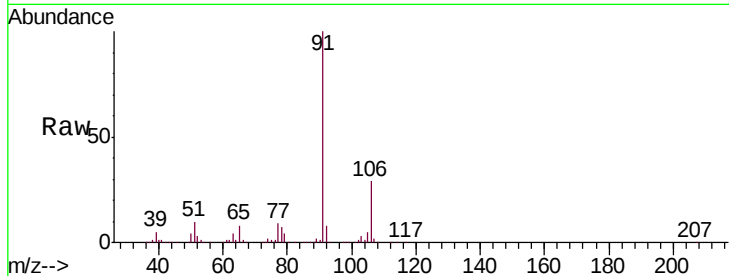
BFB

Tgt Ion: 91 Resp: 1129553

Ion Ratio Lower Upper

91 100

106 29.5 21.3 39.5



#53

m,p-Xylene

Concen: 53.595 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU031423.D

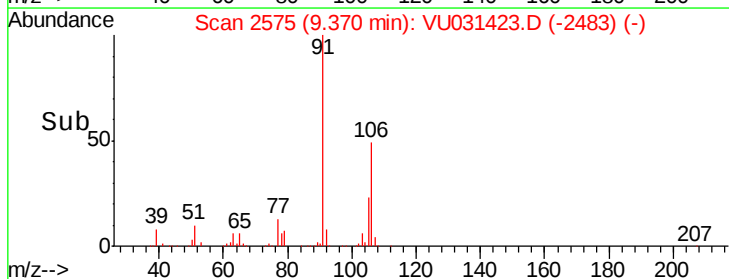
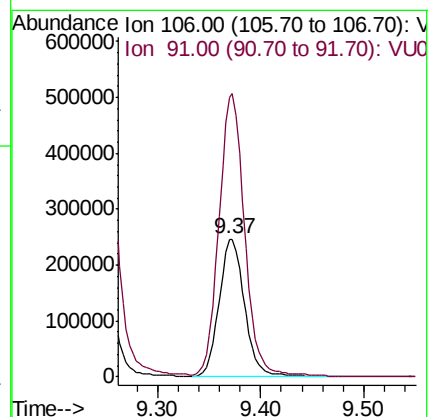
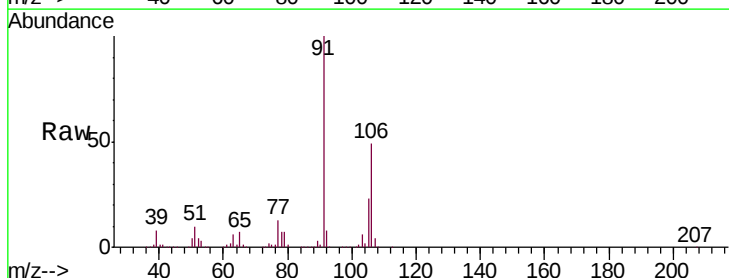
Acq: 23 Apr 2019 09:17

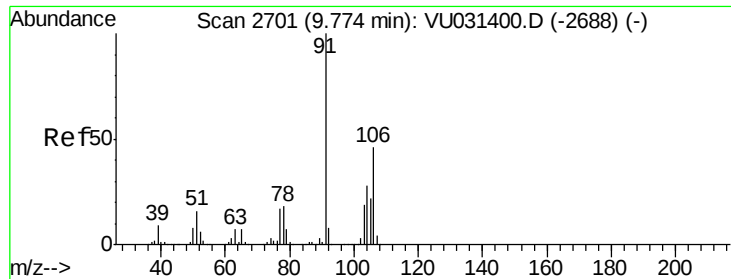
Tgt Ion: 106 Resp: 420132

Ion Ratio Lower Upper

106 100

91 203.5 141.5 262.7





#54

o-xylene

Concen: 52.739 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU031423.D

Acq: 23 Apr 2019 09:17

Instrument :

MSVOA_U

ClientSampleId :

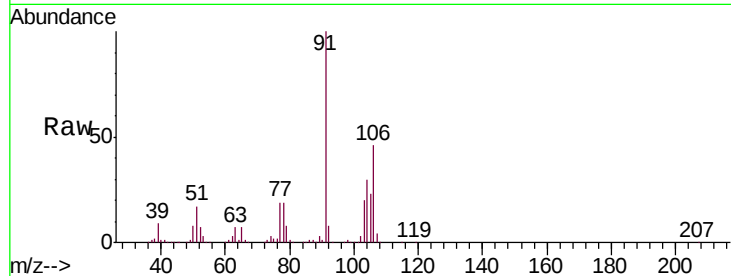
BFB

Tgt Ion:106 Resp: 415650

Ion Ratio Lower Upper

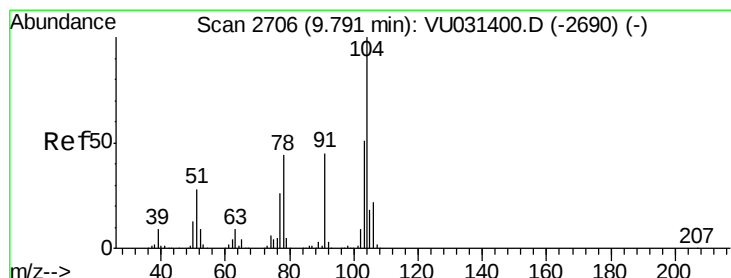
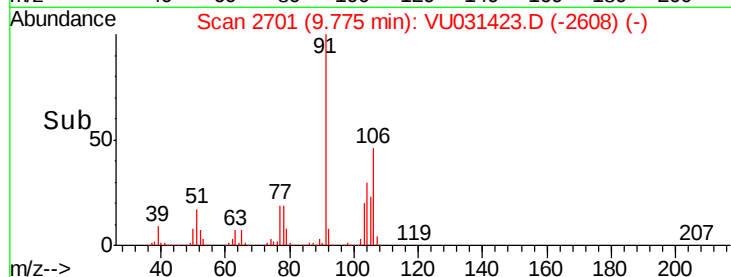
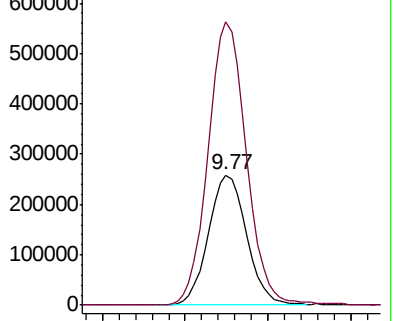
106 100

91 217.8 152.4 283.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 54.368 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. -0.00 min

Lab File: VU031423.D

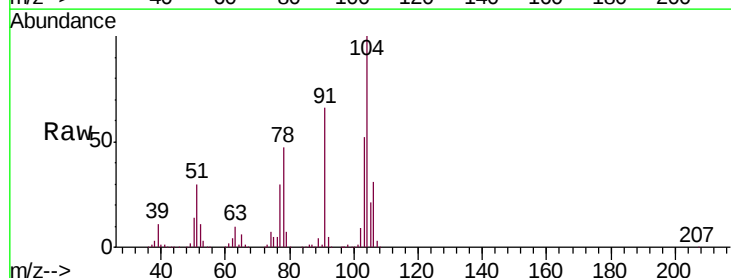
Acq: 23 Apr 2019 09:17

Tgt Ion:104 Resp: 712622

Ion Ratio Lower Upper

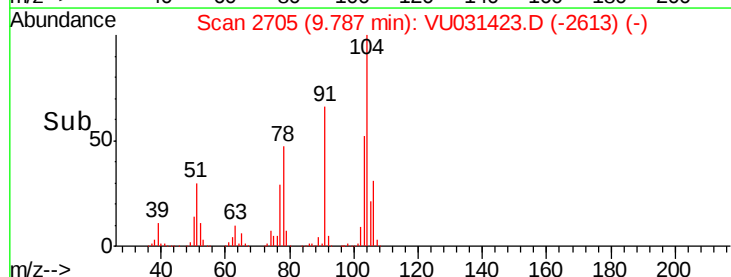
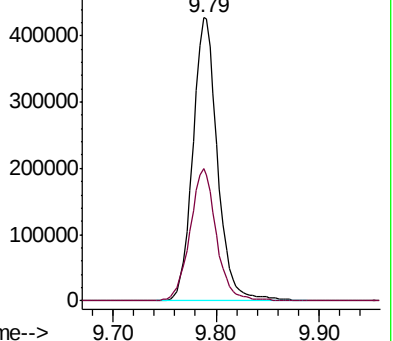
104 100

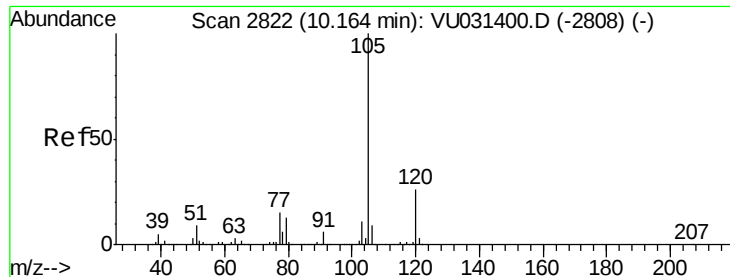
78 46.7 31.1 57.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 53.591 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU031423.D

Acq: 23 Apr 2019 09:17

Instrument :

MSVOA_U

ClientSampleId :

BFB

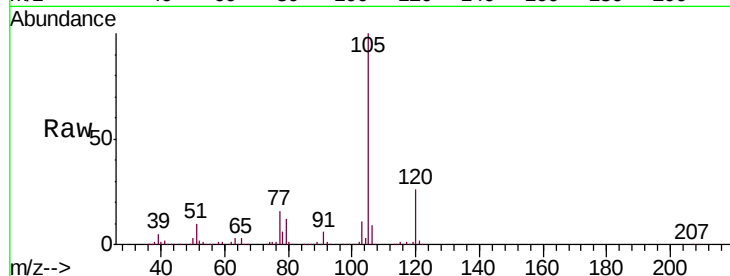
Tgt Ion:105 Resp: 1085073

Ion Ratio Lower Upper

105 100

120 25.9 20.7 31.1

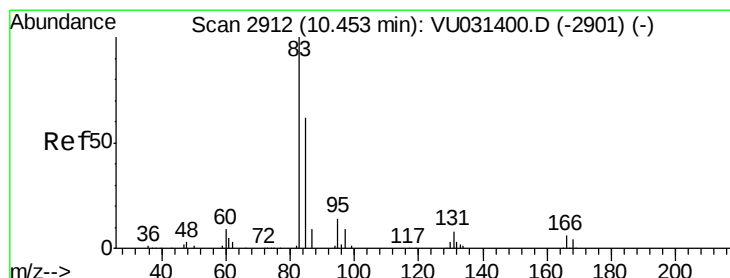
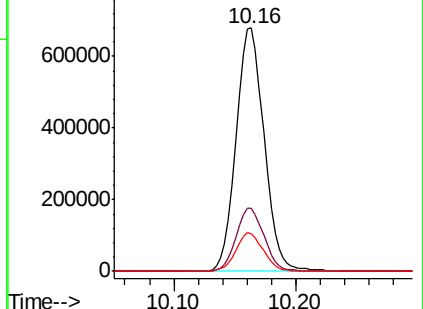
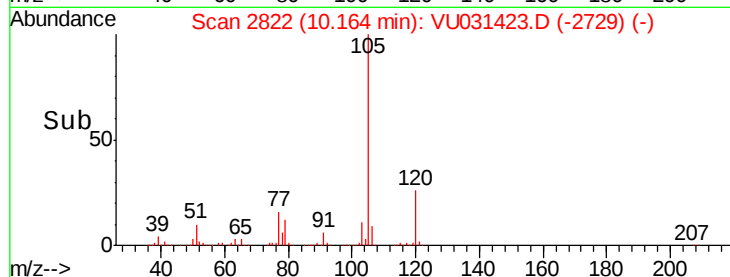
77 15.5 12.2 18.2



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: 51.961 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU031423.D

Acq: 23 Apr 2019 09:17

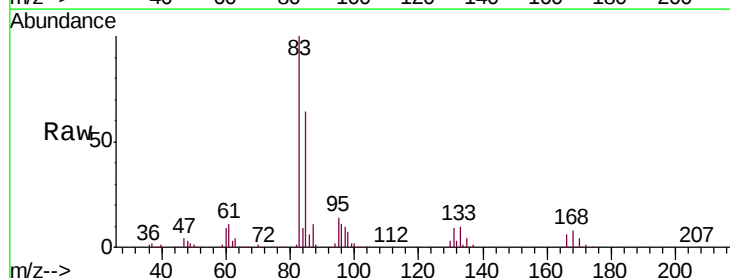
Tgt Ion: 83 Resp: 424068

Ion Ratio Lower Upper

83 100

85 63.8 44.5 82.7

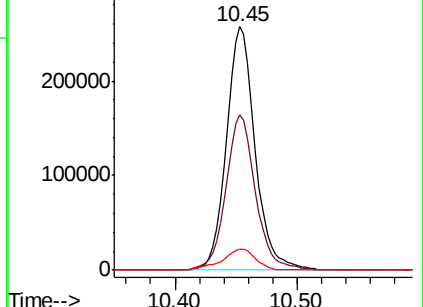
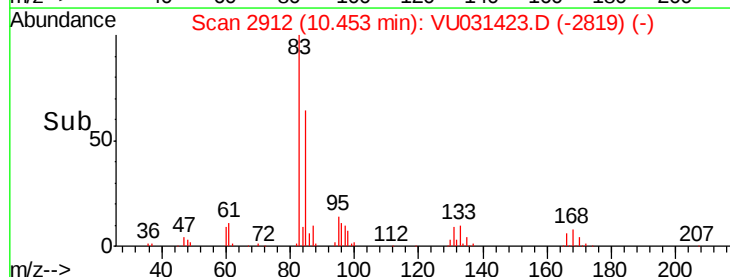
131 8.7 7.0 10.6

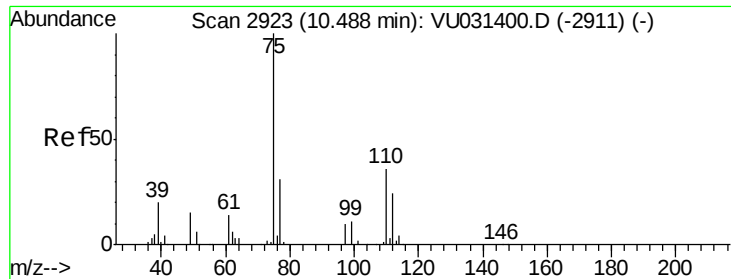


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

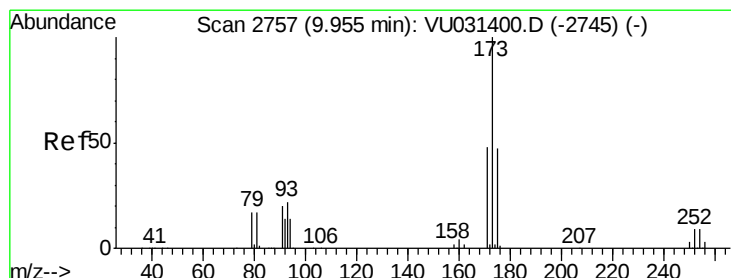
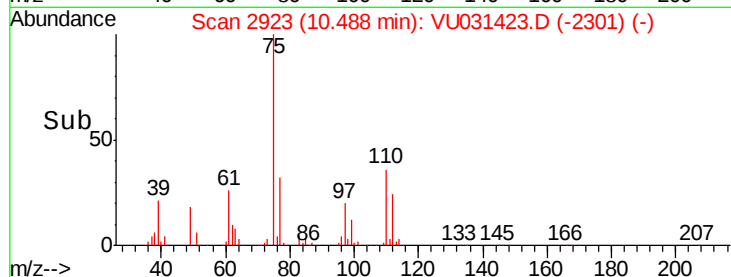
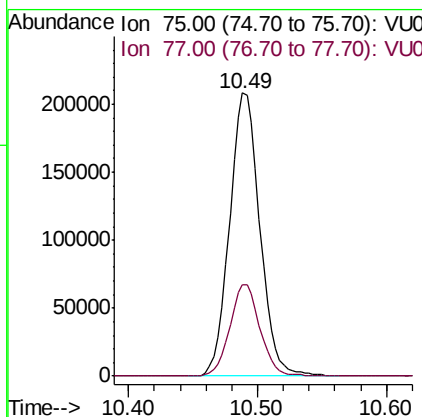
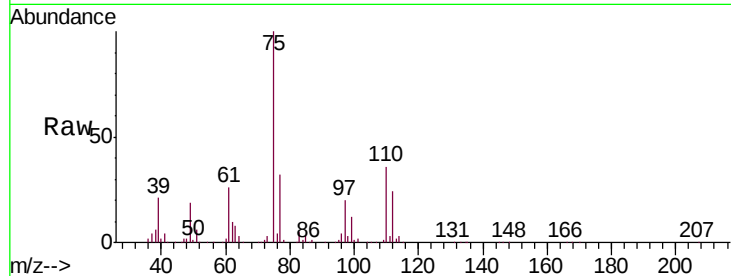




#59
 1,2,3-Trichloropropane
 Concen: 53.433 ug/L
 RT: 10.49 min Scan# 2923
 Delta R.T. 0.00 min
 Lab File: VU031423.D
 Acq: 23 Apr 2019 09:17

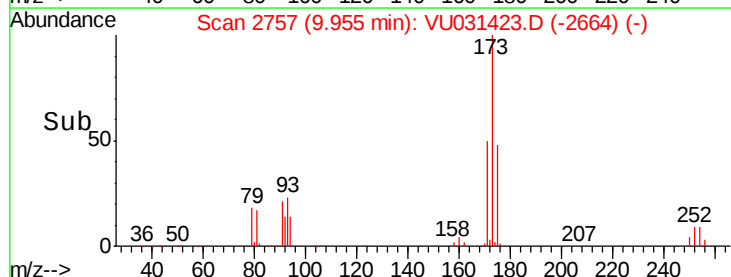
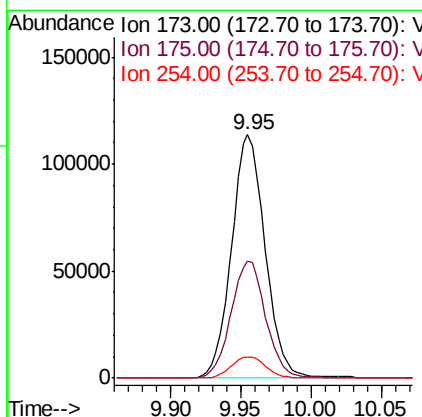
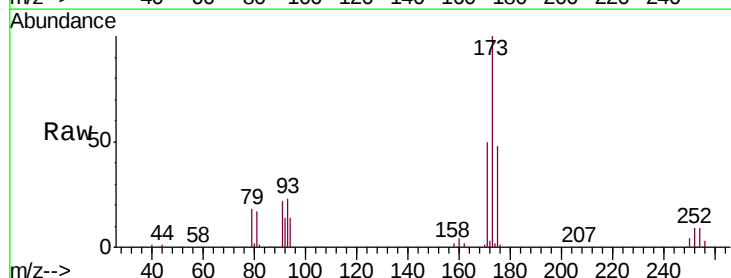
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

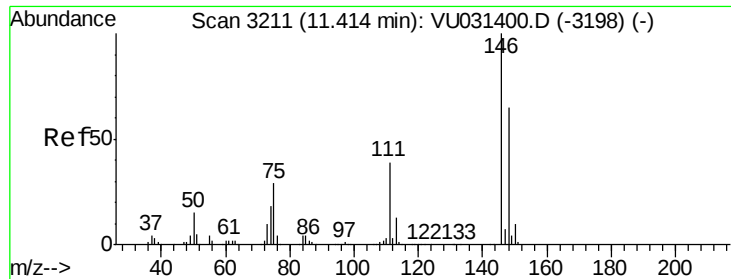
Tgt Ion: 75 Resp: 339406
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.6 38.4



#61
 Bromoform
 Concen: 48.951 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. 0.00 min
 Lab File: VU031423.D
 Acq: 23 Apr 2019 09:17

Tgt Ion: 173 Resp: 189931
 Ion Ratio Lower Upper
 173 100
 175 49.7 38.6 57.8
 254 9.0 7.7 11.5





#62

1,3-Dichlorobenzene

Concen: 51.435 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: VU031423.D

Acq: 23 Apr 2019 09:17

Instrument :

MSVOA_U

ClientSampleId :

BFB

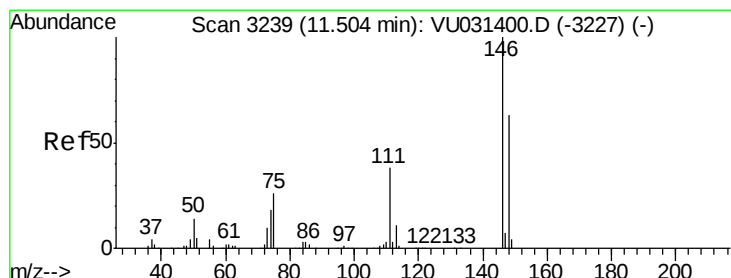
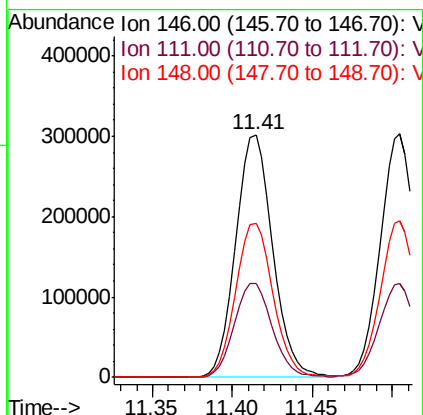
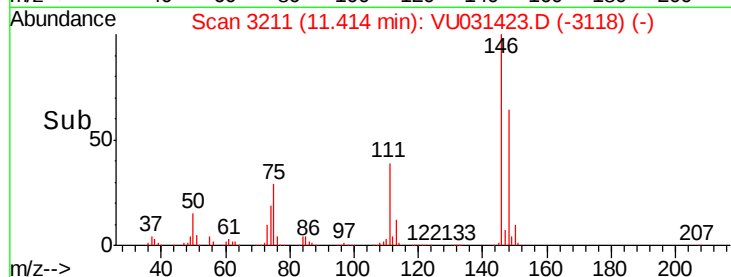
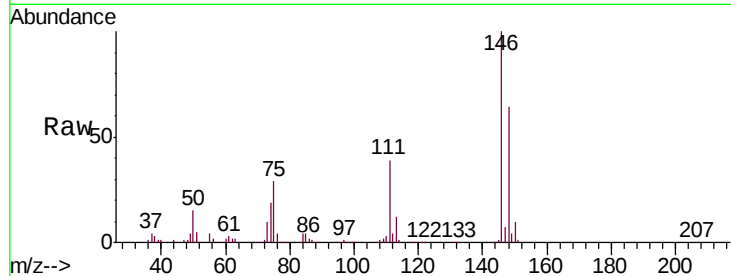
Tgt Ion:146 Resp: 475330

Ion Ratio Lower Upper

146 100

111 38.6 27.4 50.8

148 63.7 45.4 84.4



#63

1,4-Dichlorobenzene

Concen: 52.173 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU031423.D

Acq: 23 Apr 2019 09:17

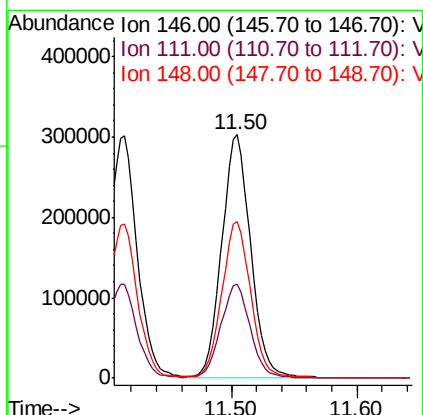
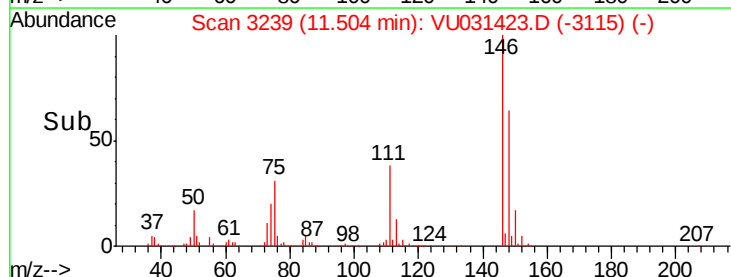
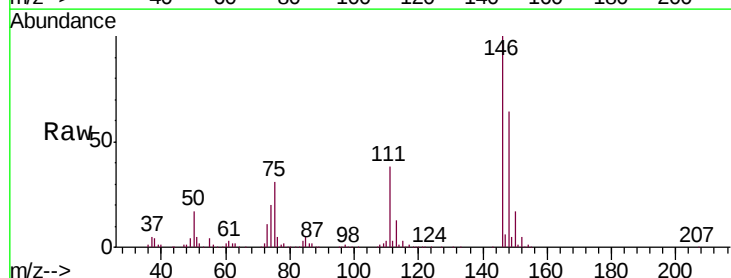
Tgt Ion:146 Resp: 480972

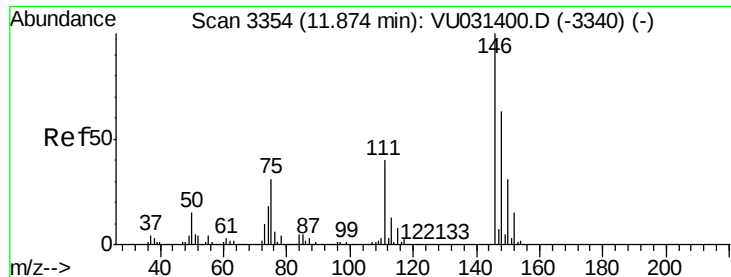
Ion Ratio Lower Upper

146 100

111 38.5 26.6 49.4

148 64.2 44.4 82.5

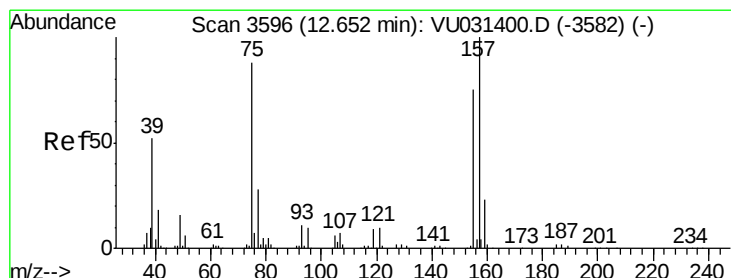
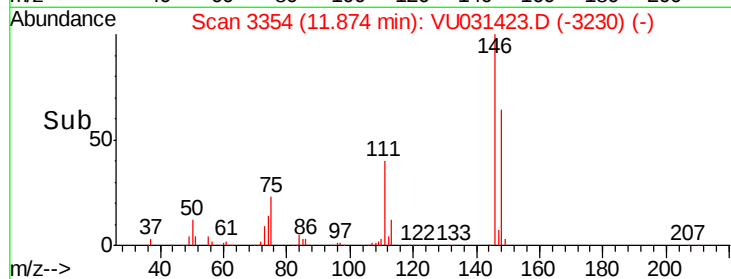
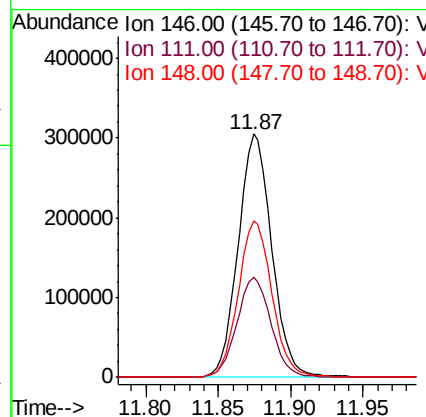
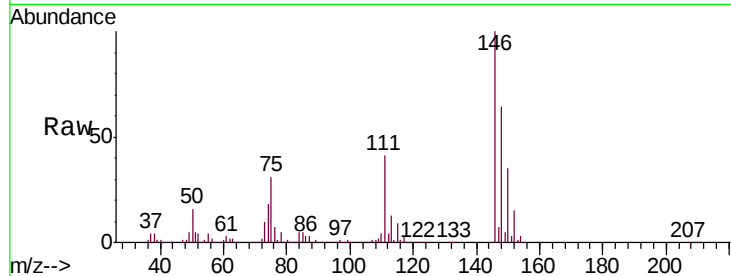




#65
 1,2-Dichlorobenzene
 Concen: 51.837 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU031423.D
 Acq: 23 Apr 2019 09:17

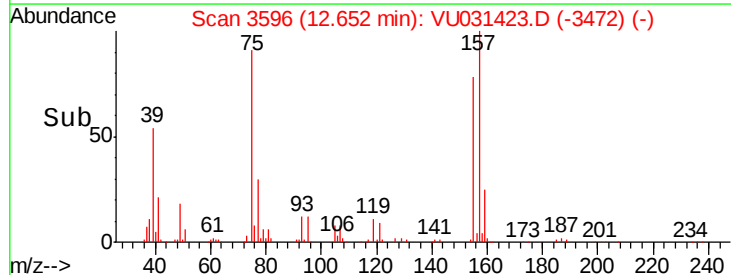
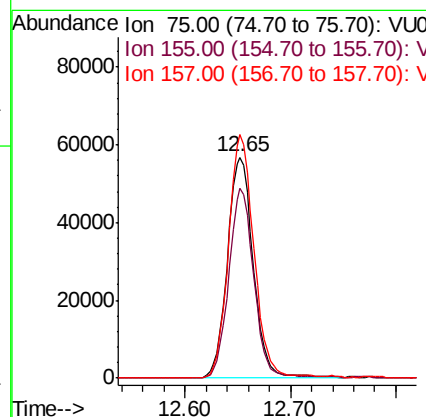
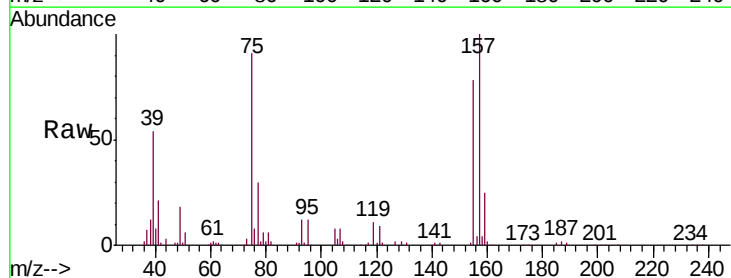
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

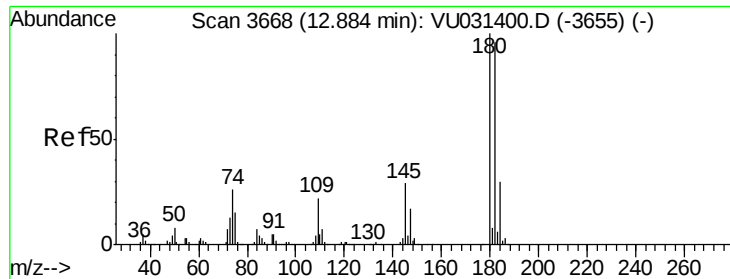
Tgt Ion: 146 Resp: 489709
 Ion Ratio Lower Upper
 146 100
 111 41.0 32.4 48.6
 148 64.1 50.7 76.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 55.247 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU031423.D
 Acq: 23 Apr 2019 09:17

Tgt Ion: 75 Resp: 96521
 Ion Ratio Lower Upper
 75 100
 155 85.9 68.8 103.2
 157 110.2 91.4 137.2

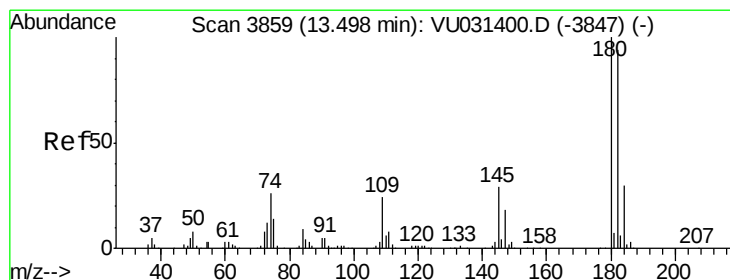
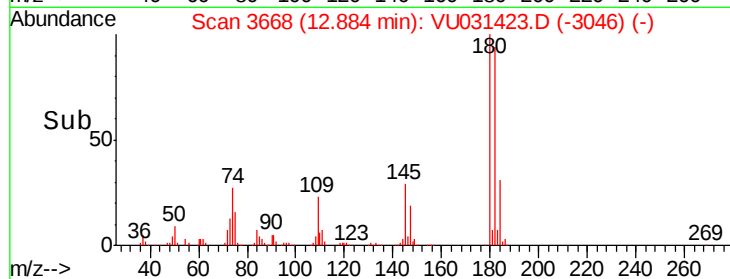
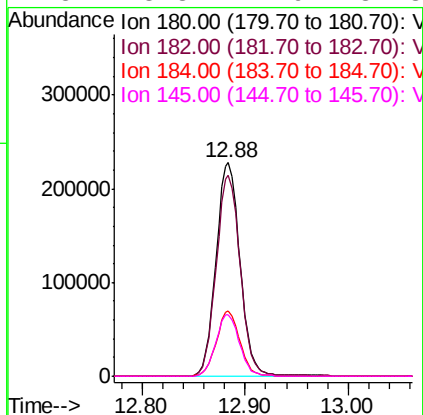
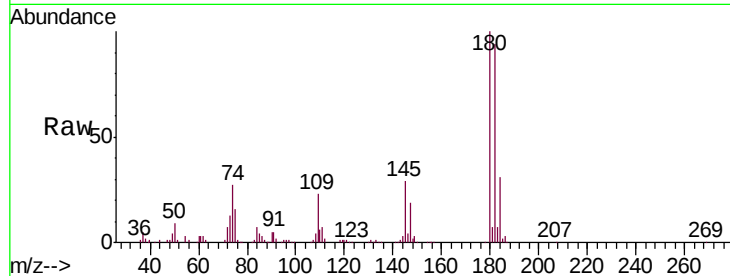




#67
 1,3,5-Trichlorobenzene
 Concen: 54.220 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU031423.D
 Acq: 23 Apr 2019 09:17

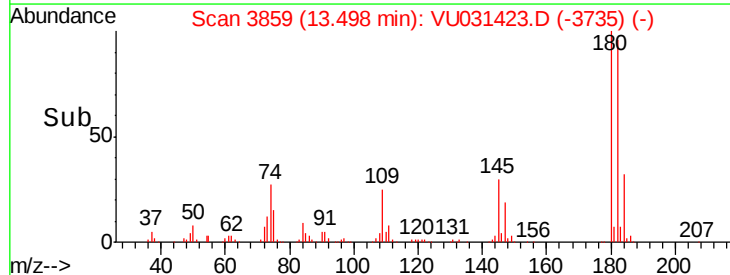
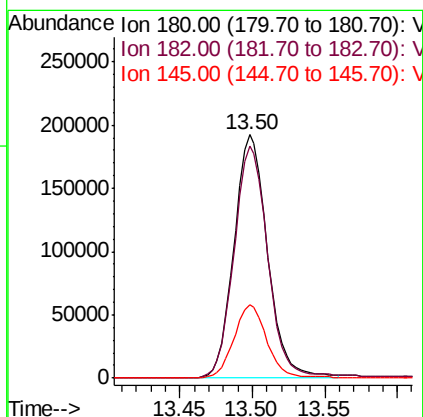
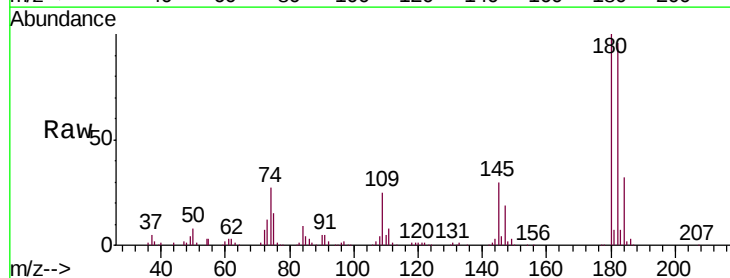
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

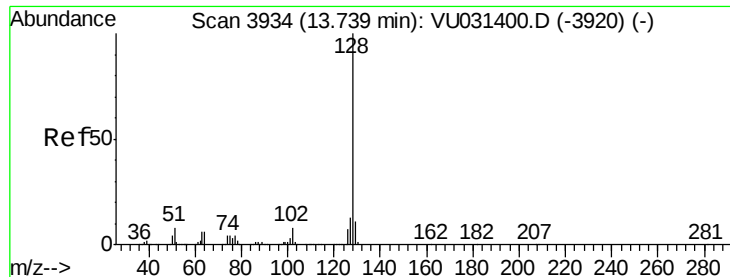
Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.6	76.5	114.7
184	29.7	23.7	35.5
145	28.3	22.9	34.3



#68
 1,2,4-trichlorobenzene
 Concen: 56.526 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU031423.D
 Acq: 23 Apr 2019 09:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	77.5	116.3
145	29.4	23.3	34.9





#69

Naphthalene

Concen: 53.684 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU031423.D

Acq: 23 Apr 2019 09:17

Instrument :

MSVOA_U

ClientSampleId :

BFB

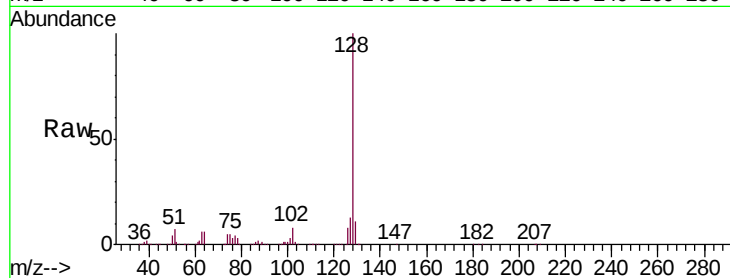
Tgt Ion:128 Resp: 1021838

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.4

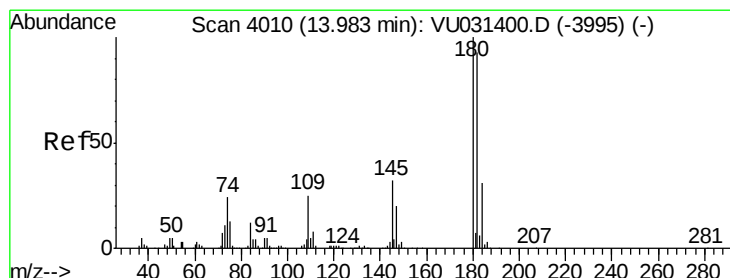
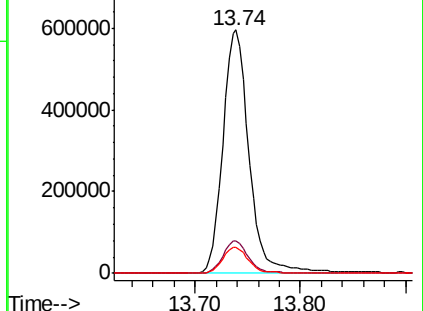
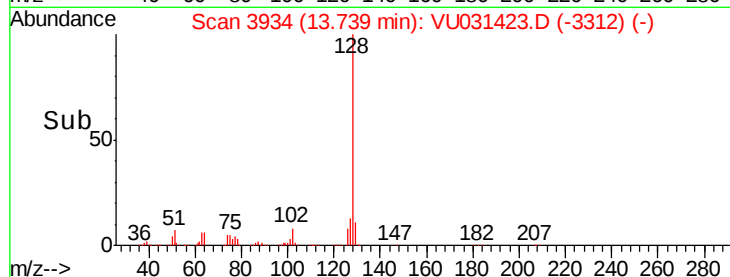
129 10.8 8.6 13.0



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: 54.010 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU031423.D

Acq: 23 Apr 2019 09:17

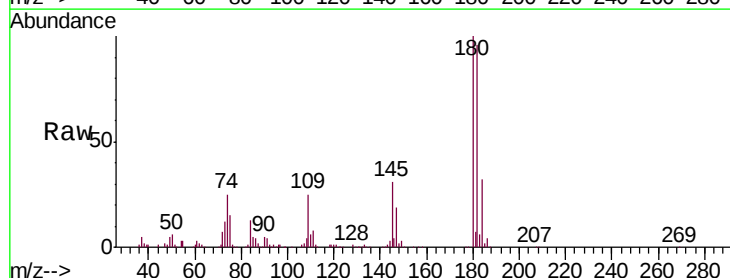
Tgt Ion:180 Resp: 318404

Ion Ratio Lower Upper

180 100

182 96.6 75.8 113.8

145 31.4 25.2 37.8



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

