

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062920\
 Data File : VU039184.D
 Acq On : 29 Jun 2020 11:47
 Operator : SY/MD
 Sample : VSTDICV005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB23

Quant Time: Jun 30 01:24:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 30 01:22:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	262963	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	251358	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	145211	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	118468	4.92	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.40%
7) Chloroethane-d5	1.93	69	93390	4.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.80%
11) 1,1-Dichloroethene-d2	2.59	63	216271	4.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.20%
20) 2-Butanone-d5	4.68	46	382121	51.83	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.66%
24) Chloroform-d	5.10	84	205747	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
26) 1,2-Dichloroethane-d4	5.74	65	121141	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.00%
32) Benzene-d6	5.76	84	393924	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.40%
36) 1,2-Dichloropropane-d6	6.72	67	121538	4.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.20%
41) Toluene-d8	7.92	98	344415	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.20%
43) trans-1,3-Dichloropropene-	8.20	79	58550	5.03	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.60%
46) 2-Hexanone-d5	8.66	63	298480	56.35	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.70%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	114306	4.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.00%
64) 1,2-Dichlorobenzene-d4	12.21	152	149425	4.90	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	121417	4.664	ug/L 100
3) Chloromethane	1.53	50	122665	4.558	ug/L 100
5) Vinyl chloride	1.62	62	128114	4.773	ug/L 99
6) Bromomethane	1.88	94	68510	4.825	ug/L 100
8) Chloroethane	1.95	64	75664	4.646	ug/L 99
9) Trichlorofluoromethane	2.16	101	164394	4.570	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	92621	4.564	ug/L 99
12) 1,1-Dichloroethene	2.61	96	88653	4.570	ug/L 98
13) Acetone	2.68	43	212378	46.993	ug/L 100
14) Carbon disulfide	2.82	76	316013	4.656	ug/L 98
15) Methyl Acetate	2.99	43	51491	4.561	ug/L 98
16) Methylene chloride	3.08	84	100132	4.315	ug/L 99
17) Methyl tert-butyl Ether	3.40	73	251444	4.814	ug/L 99
18) trans-1,2-Dichloroethene	3.39	96	95490	4.634	ug/L 99
19) 1,1-Dichloroethane	3.91	63	179773	4.569	ug/L 100
21) 2-Butanone	4.76	43	356238	49.635	ug/L 100
22) cis-1,2-Dichloroethene	4.71	96	98632	4.767	ug/L 97

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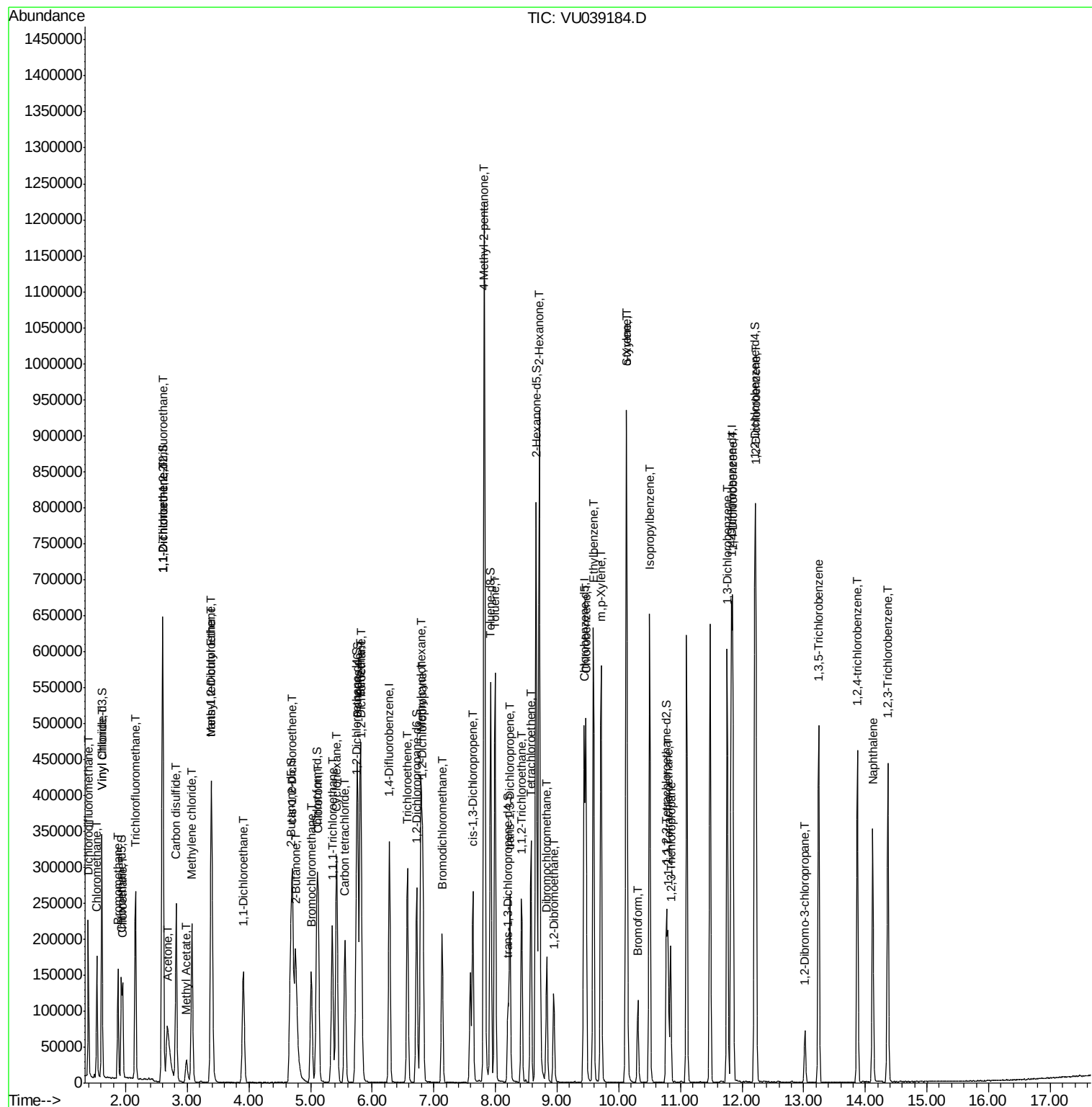
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	45836	4.588	ug/L	97
25) Chloroform	5.13	83	181065	4.622	ug/L	99
27) 1,2-Dichloroethane	5.83	62	131155	4.530	ug/L	99
29) 1,1,1-Trichloroethane	5.35	97	159120	4.725	ug/L	99
30) Cyclohexane	5.42	56	155673	4.928	ug/L	97
31) Carbon tetrachloride	5.56	117	132114	4.664	ug/L	99
33) Benzene	5.81	78	393497	4.857	ug/L	100
34) Trichloroethene	6.57	95	99035	4.783	ug/L	98
35) Methylcyclohexane	6.79	83	155927	5.052	ug/L	99
37) 1,2-Dichloropropane	6.82	63	116867	5.437	ug/L	99
38) Bromodichloromethane	7.13	83	130589	4.762	ug/L	96
39) cis-1,3-Dichloropropene	7.63	75	150760	4.885	ug/L	100
40) 4-Methyl-2-pentanone	7.82	43	836455	53.881	ug/L	99
42) Toluene	7.99	91	400278	4.949	ug/L	98
44) trans-1,3-Dichloropropene	8.23	75	140120	4.621	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	76153	4.782	ug/L	98
47) Tetrachloroethene	8.57	164	71130	4.775	ug/L	98
48) 2-Hexanone	8.71	43	607441	51.260	ug/L	99
49) Dibromochloromethane	8.83	129	87769	4.785	ug/L	97
50) 1,2-Dibromoethane	8.95	107	74797	4.814	ug/L #	98
51) Chlorobenzene	9.47	112	247400	4.804	ug/L	98
52) Ethylbenzene	9.59	91	432292	4.982	ug/L	98
53) m,p-Xylene	9.71	106	162899	5.094	ug/L	100
54) o-Xylene	10.12	106	155222	5.044	ug/L	100
55) Styrene	10.13	104	271270	5.081	ug/L	98
56) Isopropylbenzene	10.50	105	407848	4.981	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	95534	4.495	ug/L	93
59) 1,2,3-Trichloropropane	10.84	75	77313	4.780	ug/L	99
61) Bromoform	10.31	173	50387	4.274	ug/L	98
62) 1,3-Dichlorobenzene	11.76	146	224967	4.802	ug/L	97
63) 1,4-Dichlorobenzene	11.85	146	226432	4.826	ug/L	98
65) 1,2-Dichlorobenzene	12.23	146	215333	4.816	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	19566	4.308	ug/L	89
67) 1,3,5-Trichlorobenzene	13.24	180	141174	4.175	ug/L	100
68) 1,2,4-trichlorobenzene	13.87	180	128093	4.339	ug/L	97
69) Naphthalene	14.12	128	271319	4.894	ug/L	100
70) 1,2,3-Trichlorobenzene	14.37	180	126697	4.635	ug/L	100

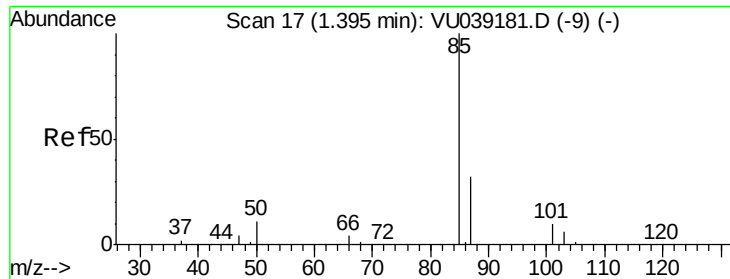
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.664 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU039184.D

Acq: 29 Jun 2020 11:47

Instrument :

MSVOA_U

ClientSampled :

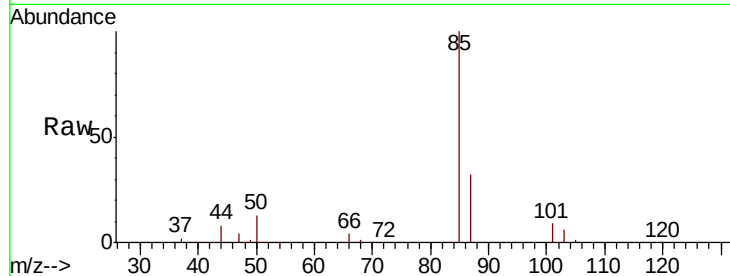
BFB23

Tot Ion: 85 Resp: 121417

Ion Ratio Lower Upper

85 100

87 32.1 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU039184.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU039184.D (-9) (-)

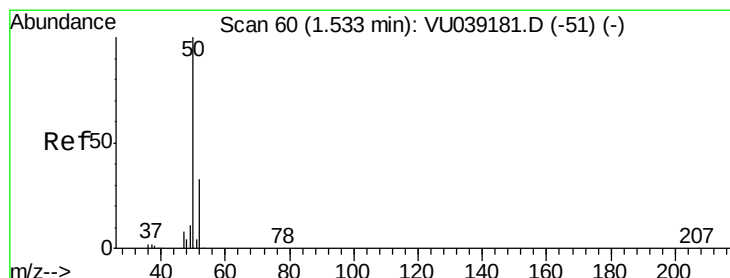
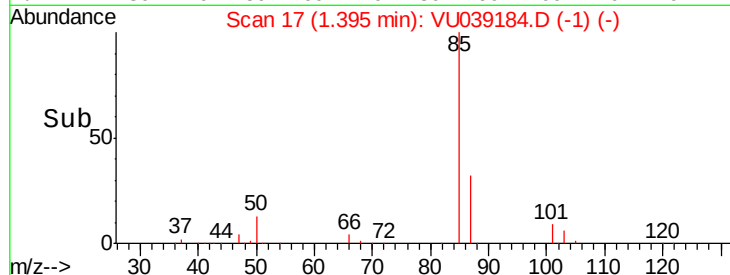
1.39

100000

50000

0

Time-->



#3

Chloromethane

Concen: 4.558 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU039184.D

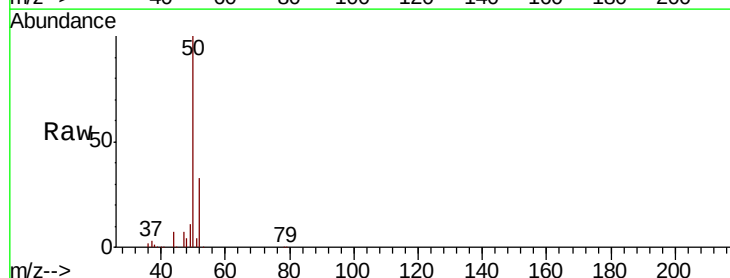
Acq: 29 Jun 2020 11:47

Tgt Ion: 50 Resp: 122665

Ion Ratio Lower Upper

50 100

52 32.6 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VU039184.D (-51) (-)

Ion 52.05 (51.75 to 52.75): VU039184.D (-51) (-)

1.53

120000

100000

80000

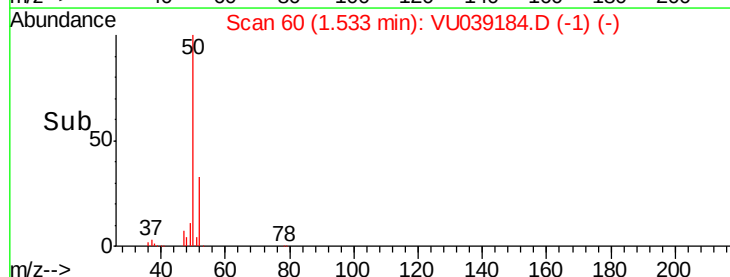
60000

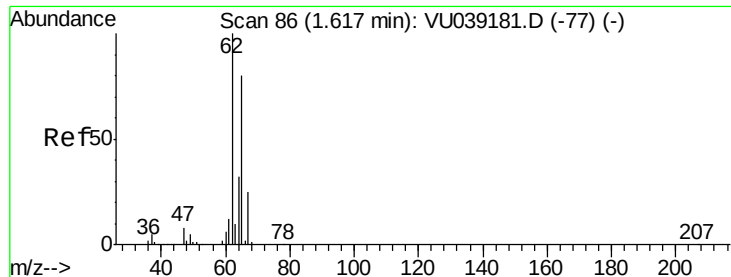
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 4.773 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU039184.D

Acq: 29 Jun 2020 11:47

Instrument :

MSVOA_U

ClientSampleId :

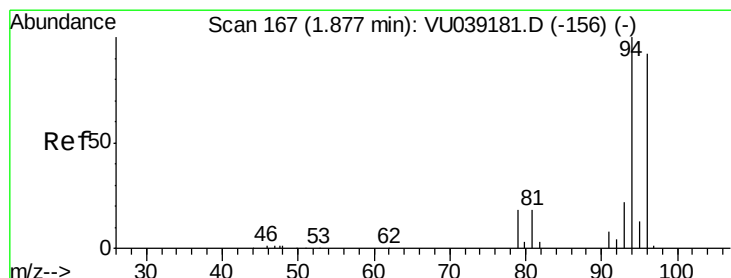
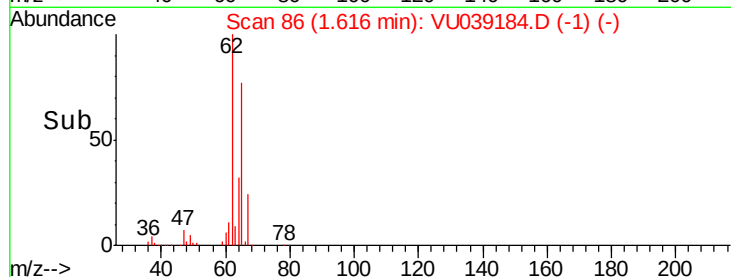
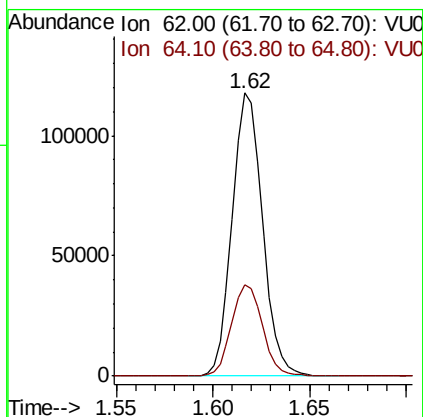
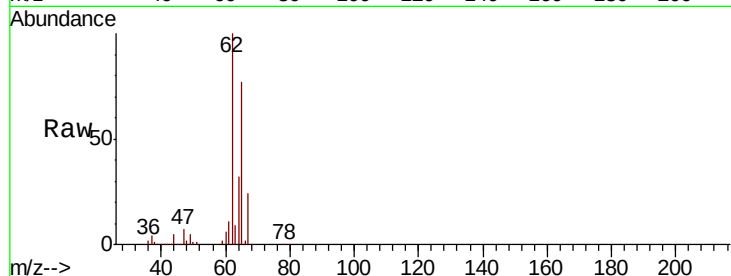
BFB23

Tot Ion: 62 Resp: 128114

Ion Ratio Lower Upper

62 100

64 32.1 22.3 41.3



#6

Bromomethane

Concen: 4.825 ug/L

RT: 1.88 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU039184.D

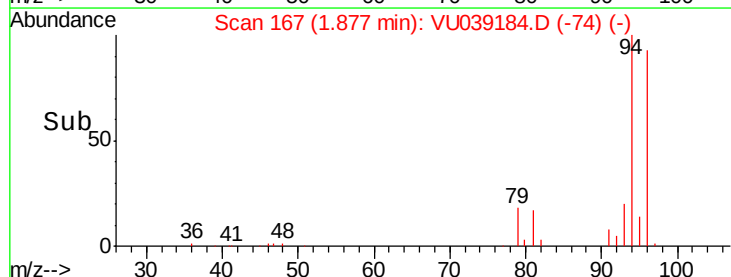
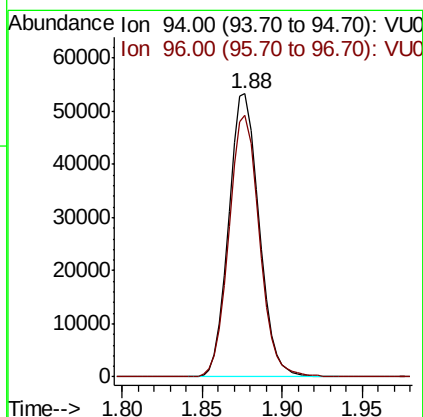
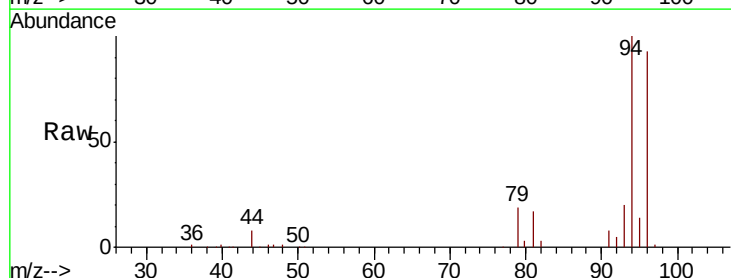
Acq: 29 Jun 2020 11:47

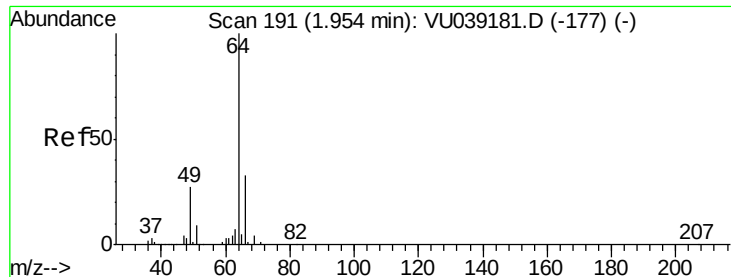
Tgt Ion: 94 Resp: 68510

Ion Ratio Lower Upper

94 100

96 92.6 64.5 119.9





#8

Chloroethane

Concen: 4.646 ug/L

RT: 1.95 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU039184.D

Acq: 29 Jun 2020 11:47

Instrument :

MSVOA_U

ClientSampleId :

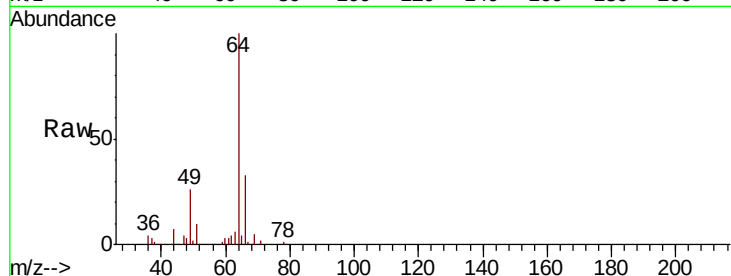
BFB23

Tot Ion: 64 Resp: 75664

Ion Ratio Lower Upper

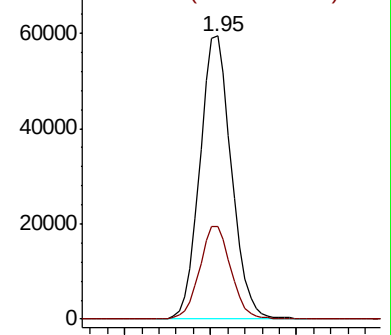
64 100

66 32.8 23.4 43.6

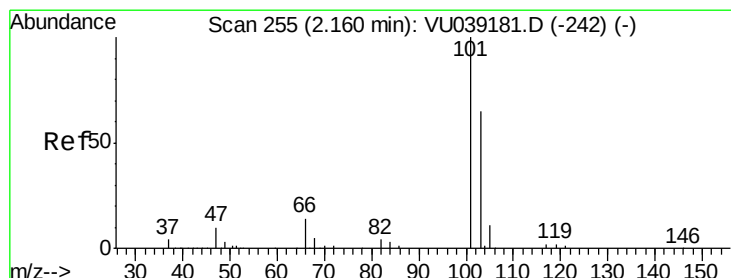
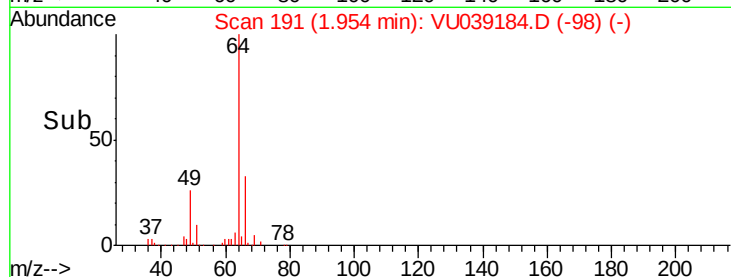


Abundance Ion 64.10 (63.80 to 64.80): VU039181.D (-177) (-)

Ion 66.05 (65.75 to 66.75): VU039181.D (-177) (-)



Time-->



#9

Trichlorofluoromethane

Concen: 4.570 ug/L

RT: 2.16 min Scan# 255

Delta R.T. 0.00 min

Lab File: VU039184.D

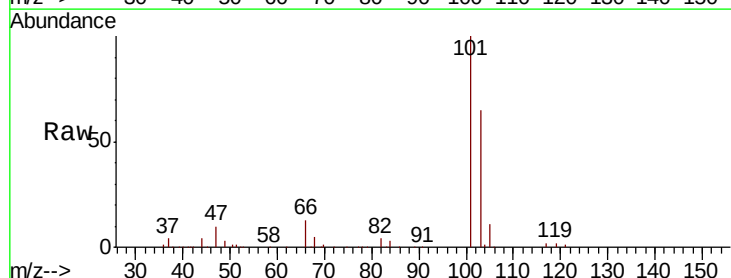
Acq: 29 Jun 2020 11:47

Tgt Ion:101 Resp: 164394

Ion Ratio Lower Upper

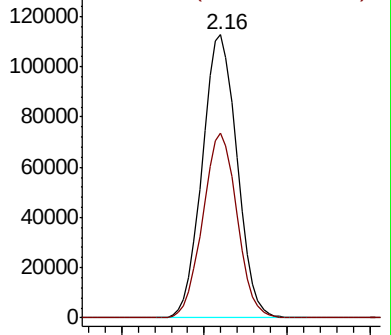
101 100

103 64.2 51.7 77.5

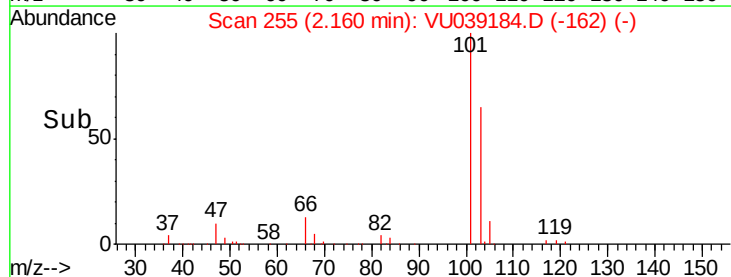


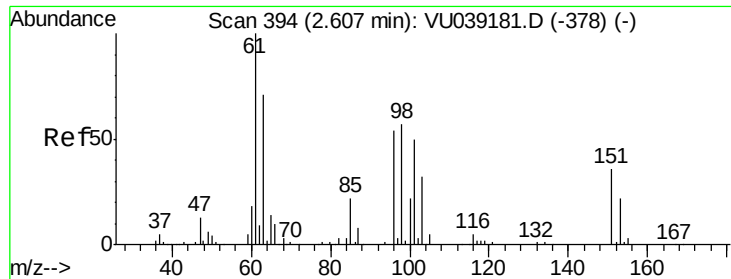
Abundance Ion 101.00 (100.70 to 101.70): VU039181.D (-242) (-)

Ion 103.00 (102.70 to 103.70): VU039181.D (-242) (-)



Time-->





#10

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

Concen: 4.564 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU039184.D

Acq: 29 Jun 2020 11:47

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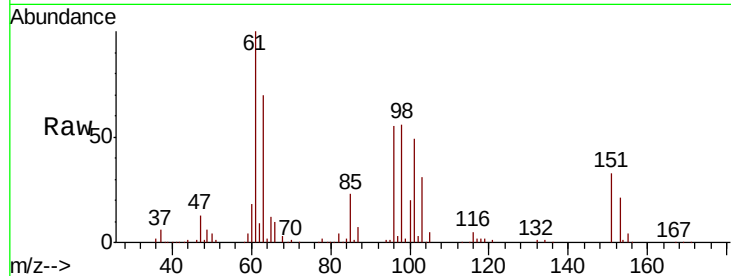
Tot Ion:101 Resp: 92621

Ion Ratio Lower Upper

101 100

85 45.5 36.0 54.0

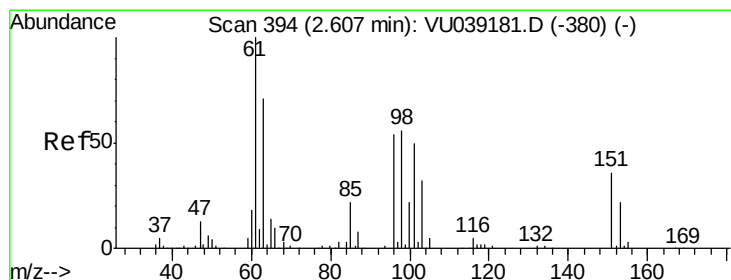
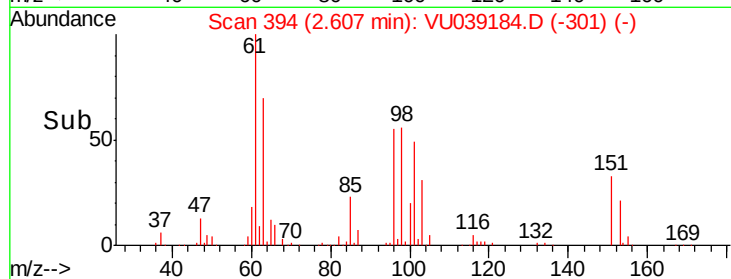
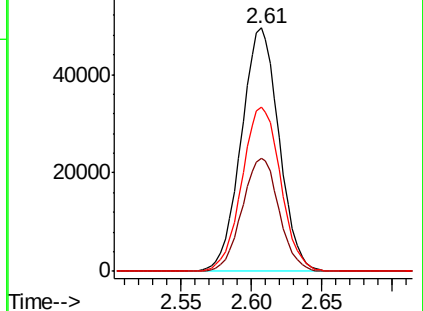
151 69.5 54.7 82.1



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: 4.570 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU039184.D

Acq: 29 Jun 2020 11:47

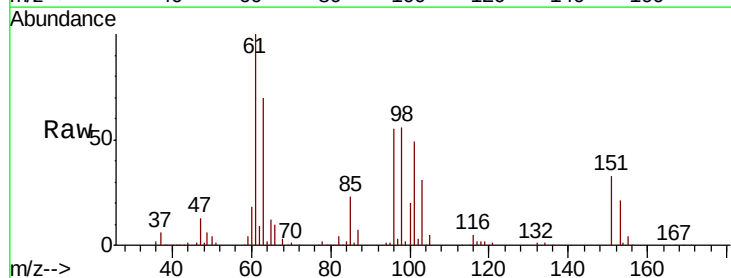
Tgt Ion: 96 Resp: 88653

Ion Ratio Lower Upper

96 100

61 183.2 128.7 239.1

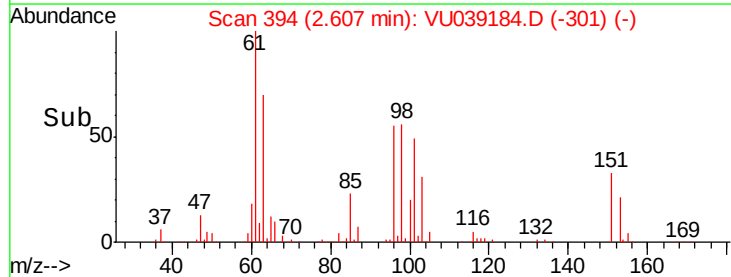
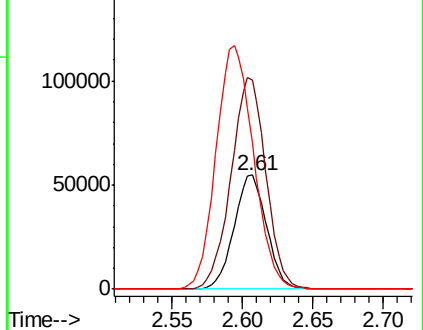
63 128.1 92.3 171.3

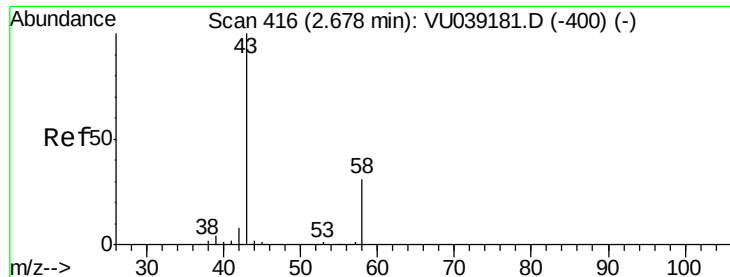


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 46.993 ug/L

RT: 2.68 min Scan# 416

Delta R.T. -0.00 min

Lab File: VU039184.D

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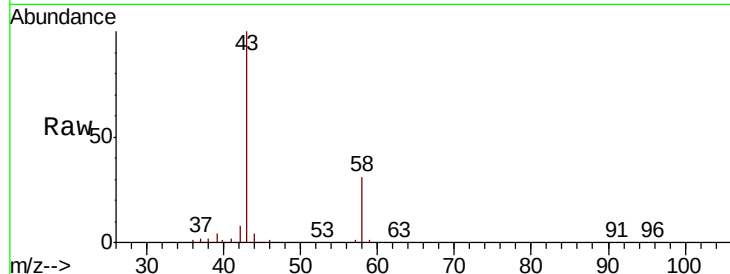
BFB23

Tot Ion: 43 Resp: 212378

Ion Ratio Lower Upper

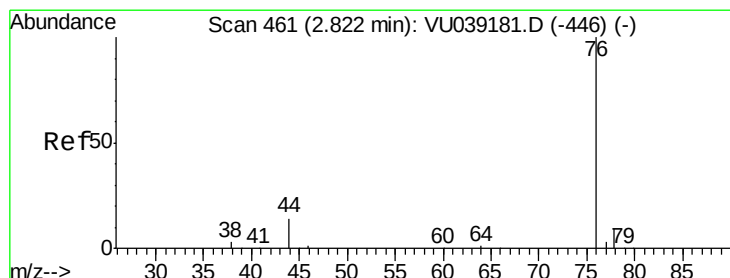
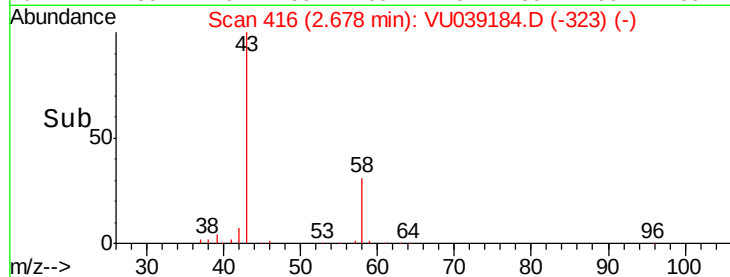
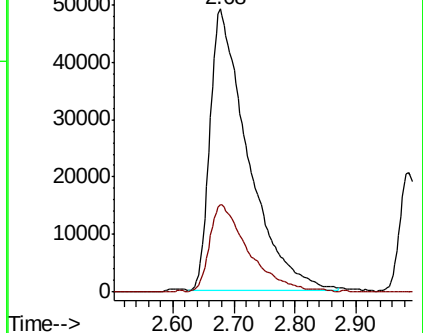
43 100

58 31.4 0.0 63.2



Abundance Ion 43.05 (42.75 to 43.75): VU039184.D (-323) (-)

Ion 58.05 (57.75 to 58.75): VU039184.D (-323) (-)



#14

Carbon disulfide

Concen: 4.656 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU039184.D

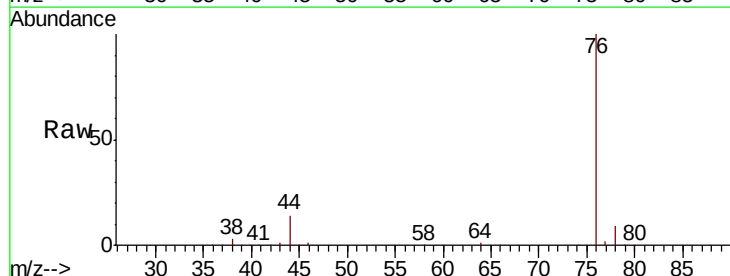
Acq: 29 Jun 2020 11:47

Tgt Ion: 76 Resp: 316013

Ion Ratio Lower Upper

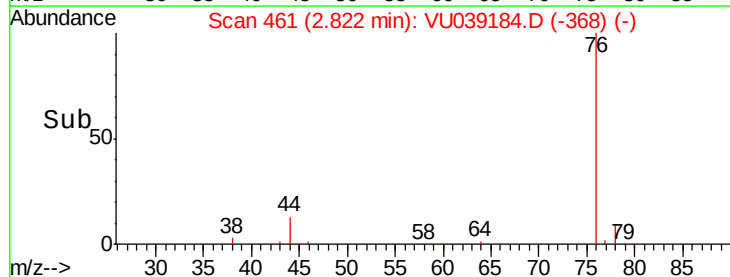
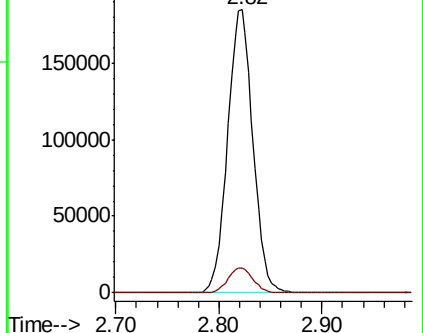
76 100

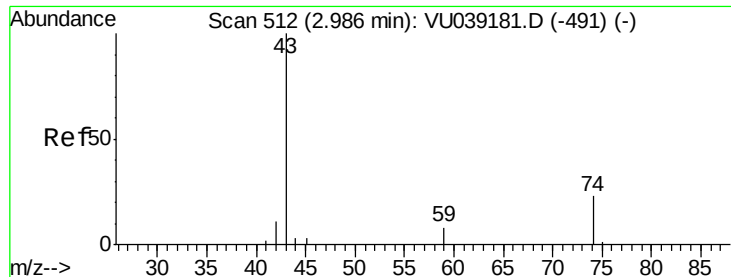
78 8.8 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VU039184.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VU039184.D (-368) (-)





#15

Methyl Acetate

Concen: 4.561 ug/L

RT: 2.99 min Scan# 512

Delta R.T. 0.00 min

Lab File: VU039184.D

Acq: 29 Jun 2020 11:47

Instrument :

MSVOA_U

ClientSampleId :

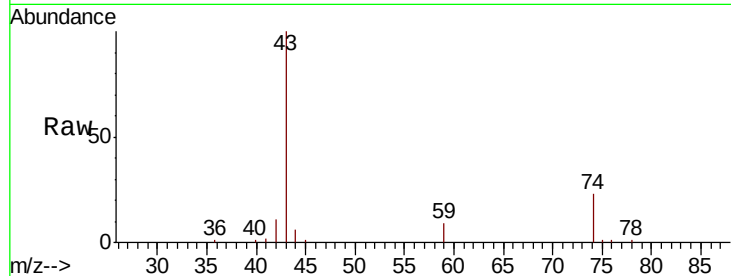
BFB23

Tot Ion: 43 Resp: 51491

Ion Ratio Lower Upper

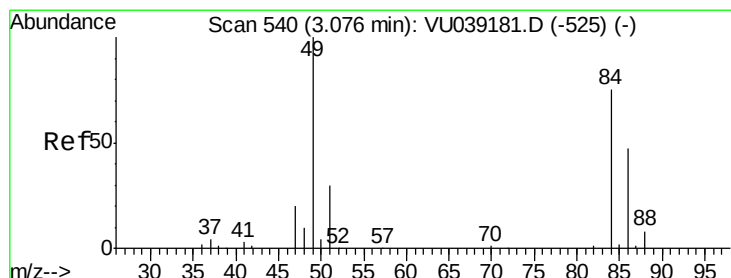
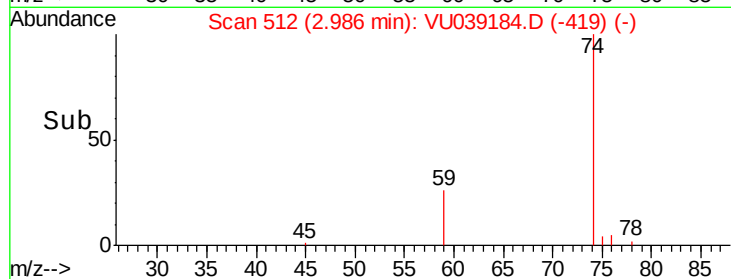
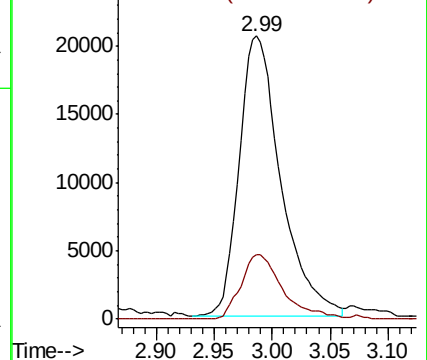
43 100

74 23.0 17.8 26.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 4.315 ug/L

RT: 3.08 min Scan# 540

Delta R.T. -0.00 min

Lab File: VU039184.D

Acq: 29 Jun 2020 11:47

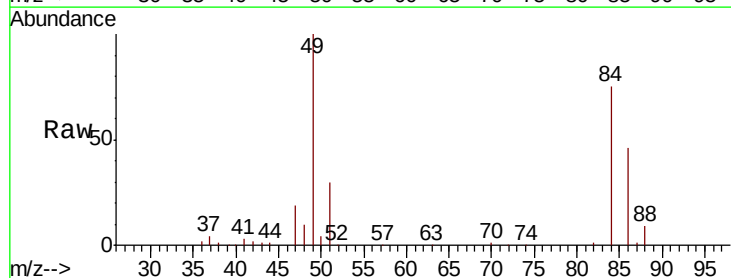
Tgt Ion: 84 Resp: 100132

Ion Ratio Lower Upper

84 100

86 61.7 44.2 82.2

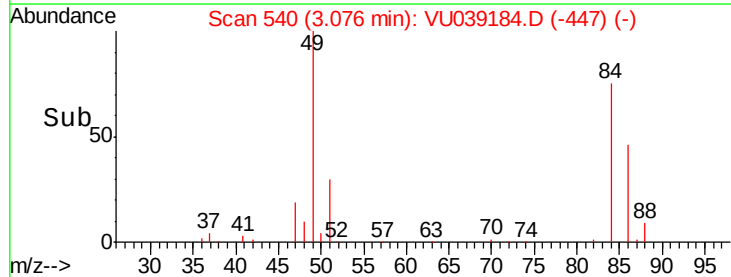
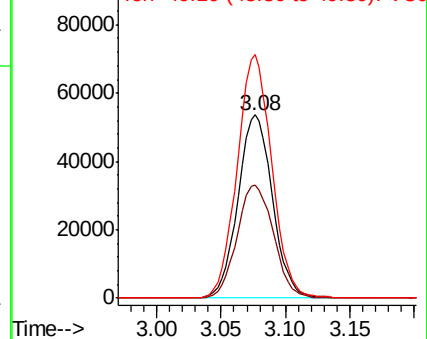
49 132.9 93.2 173.0

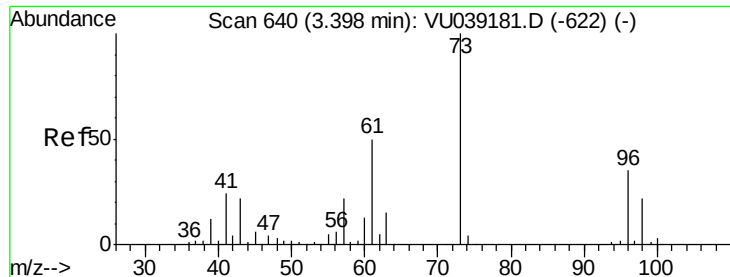


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

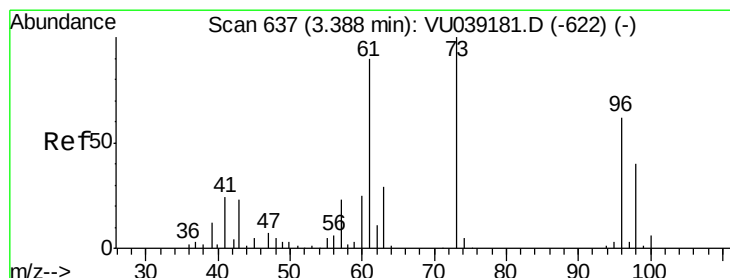
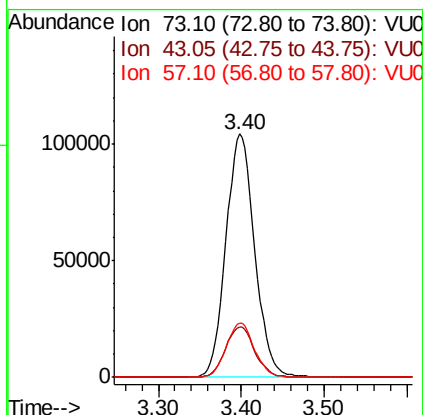
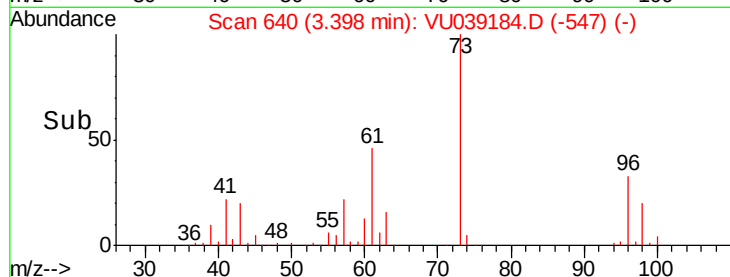
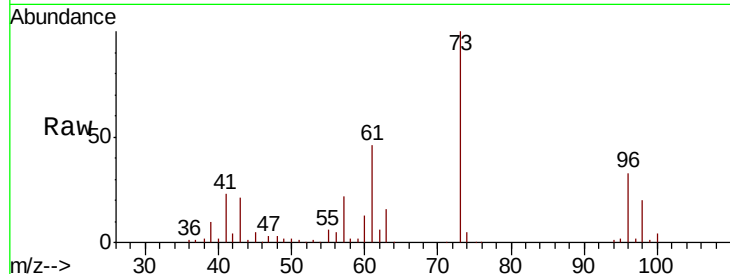




#17
Methyl tert-butyl Ether
Concen: 4.814 ug/L
RT: 3.40 min Scan# 640
Delta R.T. 0.00 min
Lab File: VU039184.D
Acq: 29 Jun 2020 11:47

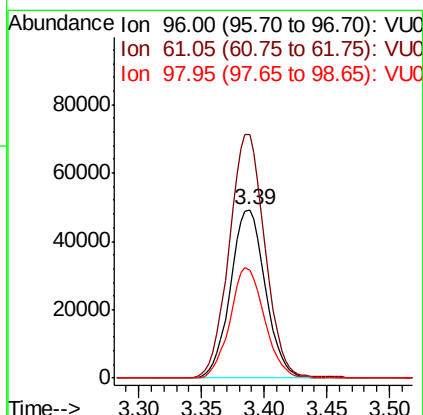
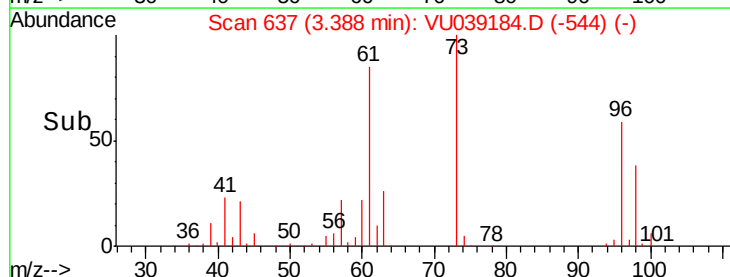
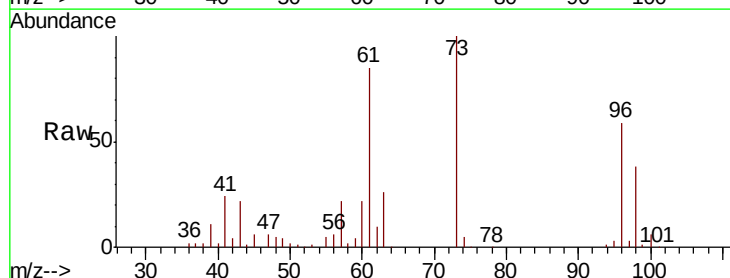
Instrument :
MSVOA_U
ClientSampled :
BFB23

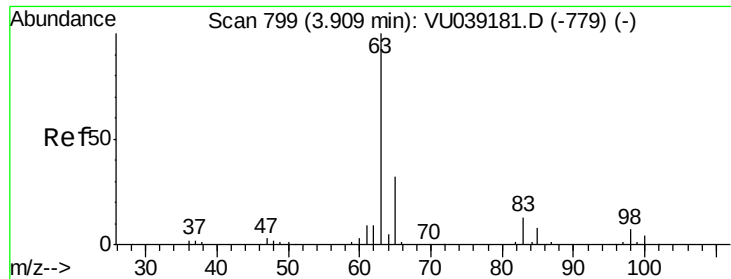
Tot Ion: 73 Resp: 251444
Ion Ratio Lower Upper
73 100
43 21.2 17.4 26.0
57 22.0 17.9 26.9



#18
trans-1,2-Dichloroethene
Concen: 4.634 ug/L
RT: 3.39 min Scan# 637
Delta R.T. -0.00 min
Lab File: VU039184.D
Acq: 29 Jun 2020 11:47

Tgt Ion: 96 Resp: 95490
Ion Ratio Lower Upper
96 100
61 144.6 100.5 186.7
98 64.0 44.7 83.1

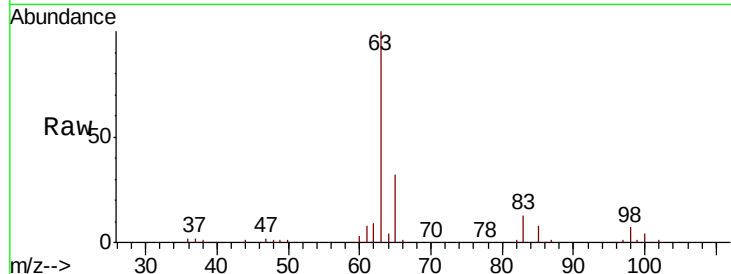




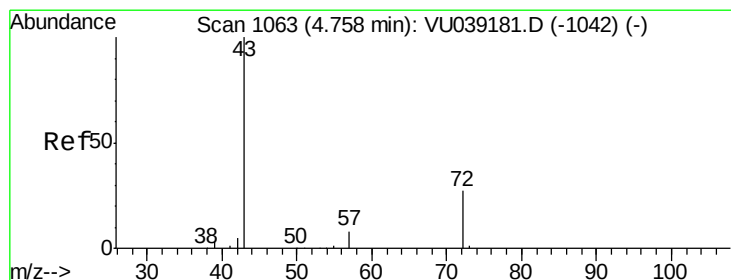
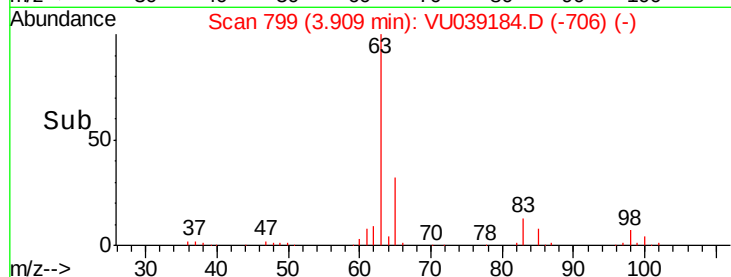
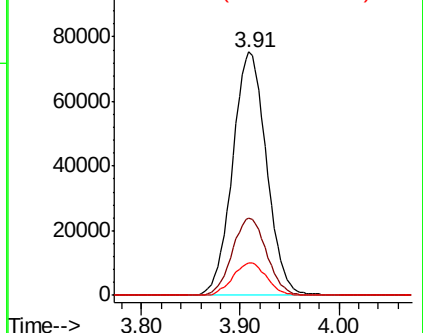
#19
 1,1-Dichloroethane
 Concen: 4.569 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: VU039184.D
 Acq: 29 Jun 2020 11:47

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB23

Tot Ion: 63 Resp: 179773
 Ion Ratio Lower Upper
 63 100
 65 31.8 22.4 41.6
 83 13.2 9.2 17.2

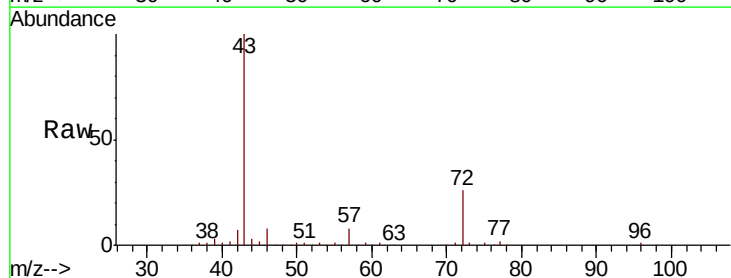


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

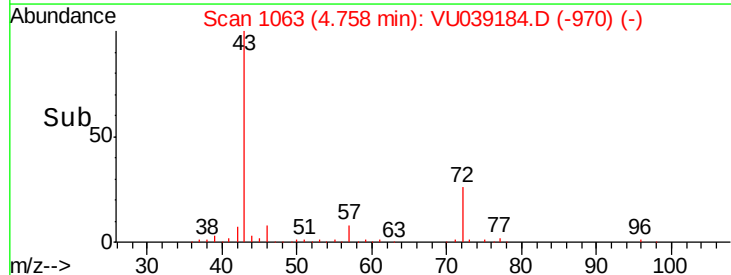
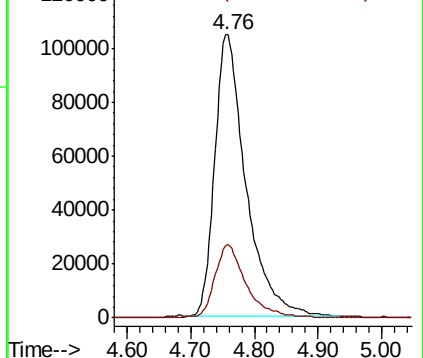


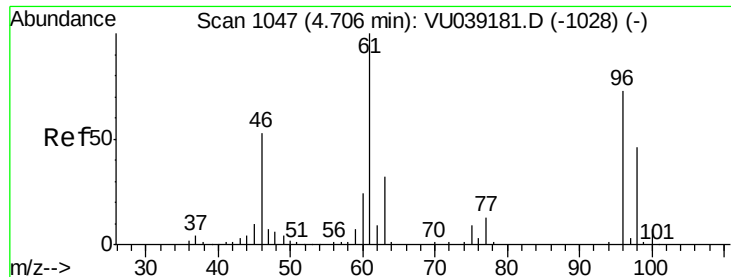
#21
 2-Butanone
 Concen: 49.635 ug/L
 RT: 4.76 min Scan# 1063
 Delta R.T. 0.00 min
 Lab File: VU039184.D
 Acq: 29 Jun 2020 11:47

Tgt Ion: 43 Resp: 356238
 Ion Ratio Lower Upper
 43 100
 72 26.4 13.2 39.6



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

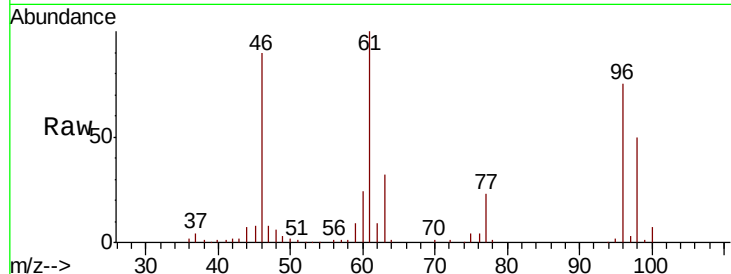




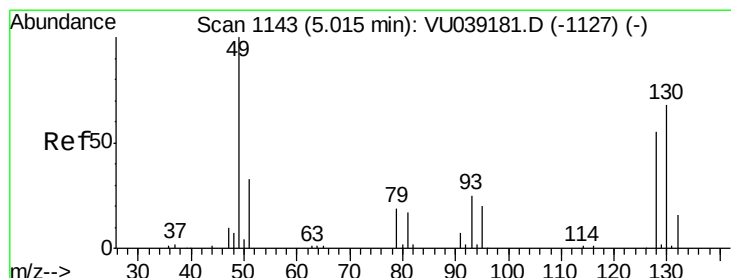
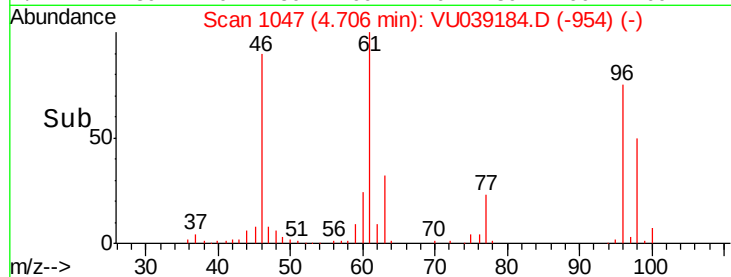
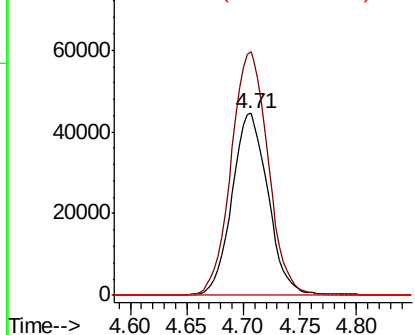
#22
 cis-1,2-Dichloroethene
 Concen: 4.767 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. 0.00 min
 Lab File: VU039184.D
 Acq: 29 Jun 2020 11:47

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB23

Tot Ion: 96 Resp: 98632
 Ion Ratio Lower Upper
 96 100
 61 134.1 96.3 178.9
 68 0.0 0.0 0.0

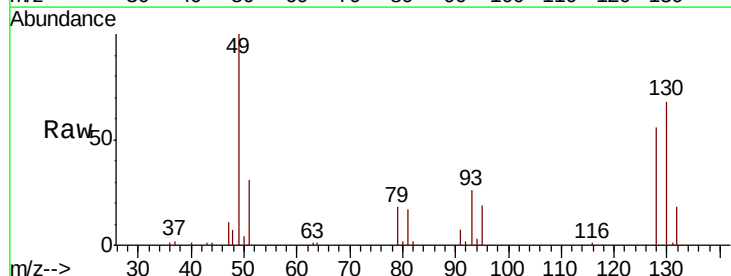


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

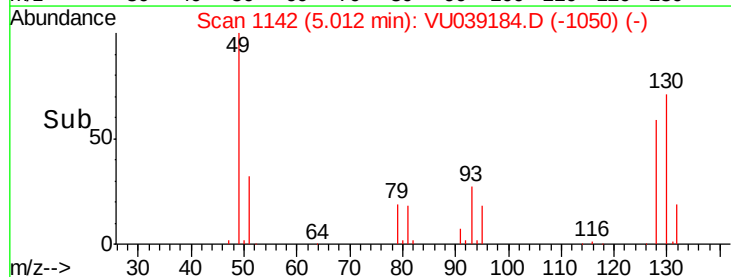
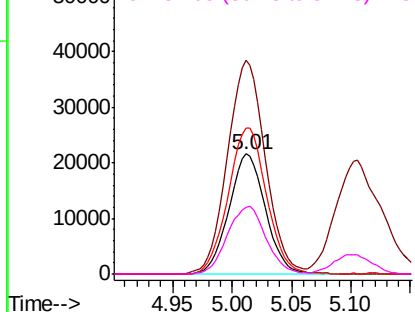


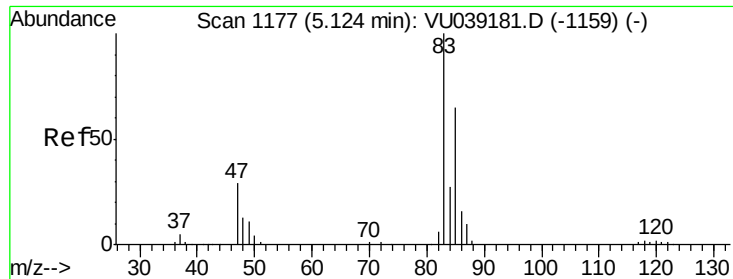
#23
 Bromochloromethane
 Concen: 4.588 ug/L
 RT: 5.01 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: VU039184.D
 Acq: 29 Jun 2020 11:47

Tgt Ion:128 Resp: 45836
 Ion Ratio Lower Upper
 128 100
 49 177.7 126.7 235.3
 130 121.0 86.2 160.2
 51 55.7 47.5 71.3



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VU0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VU0

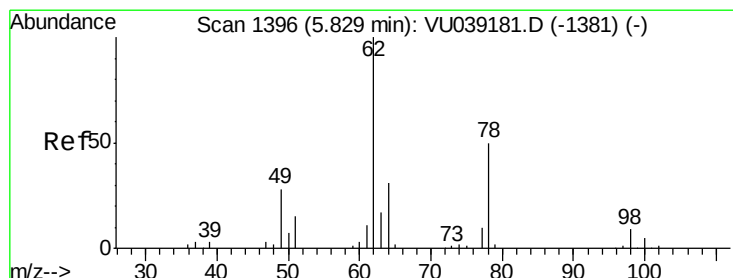
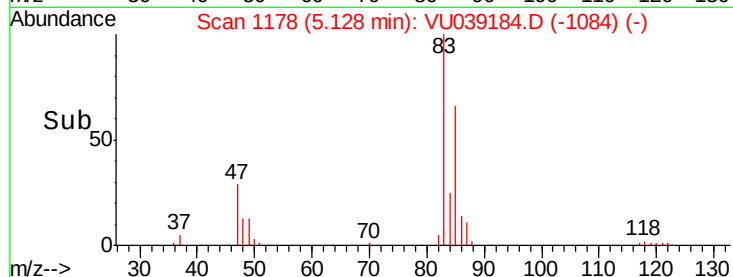
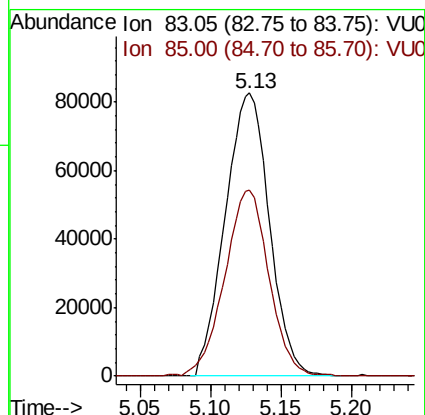
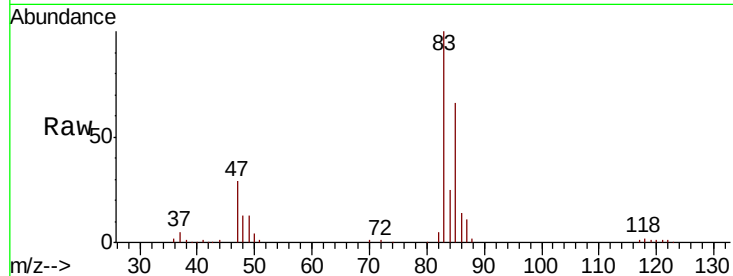




#25
Chloroform
Concen: 4.622 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU039184.D
Acq: 29 Jun 2020 11:47

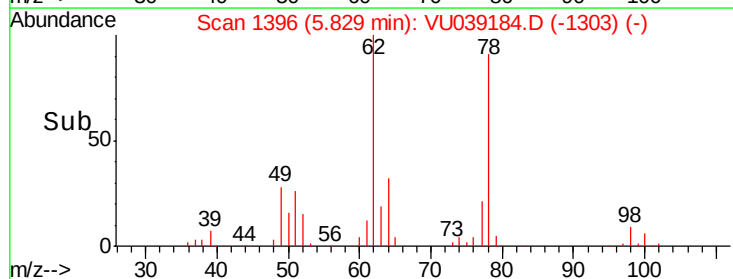
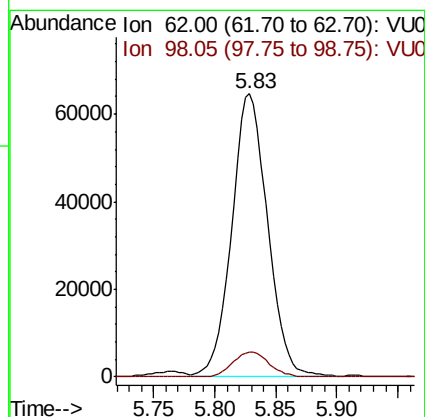
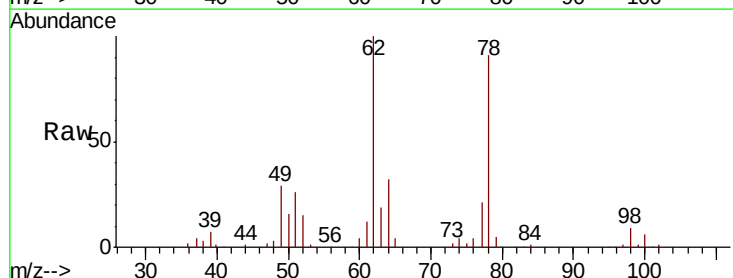
Instrument :
MSVOA_U
ClientSampleId :
BFB23

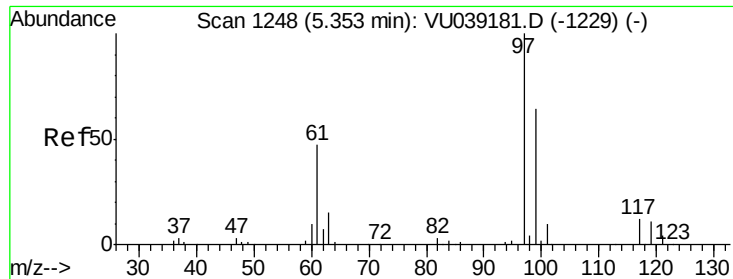
Tot Ion: 83 Resp: 181065
Ion Ratio Lower Upper
83 100
85 65.9 45.5 84.5



#27
1,2-Dichloroethane
Concen: 4.530 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU039184.D
Acq: 29 Jun 2020 11:47

Tgt Ion: 62 Resp: 131155
Ion Ratio Lower Upper
62 100
98 8.7 7.3 10.9

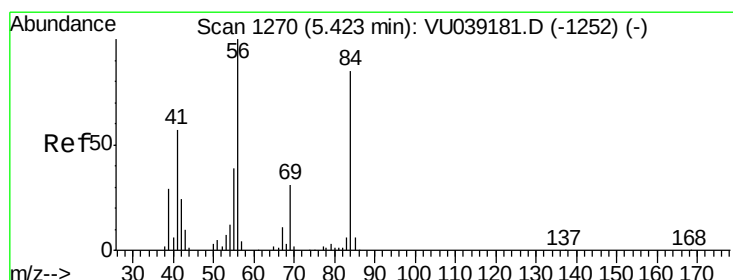
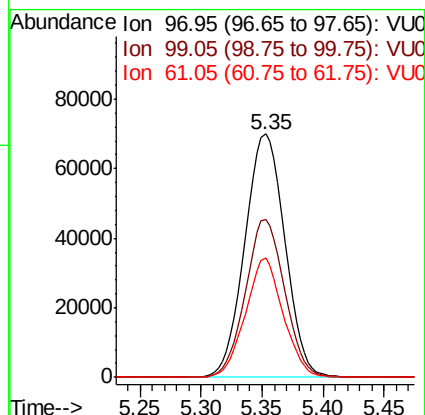
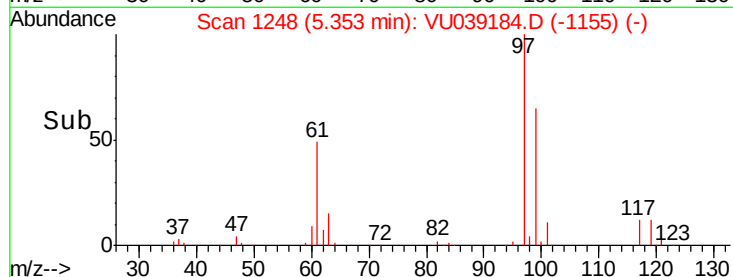
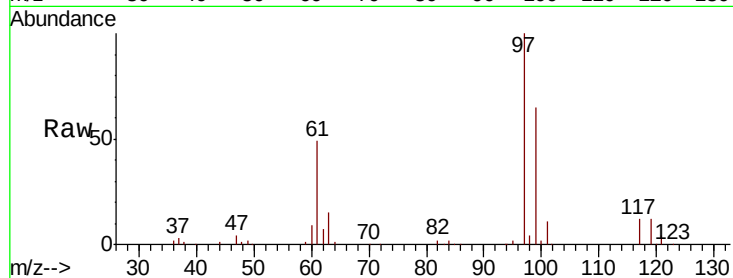




#29
 1,1,1-Trichloroethane
 Concen: 4.725 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VU039184.D
 Acq: 29 Jun 2020 11:47

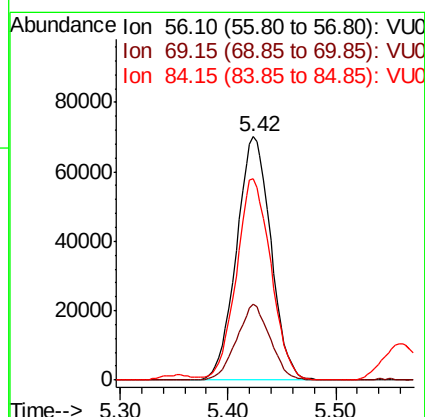
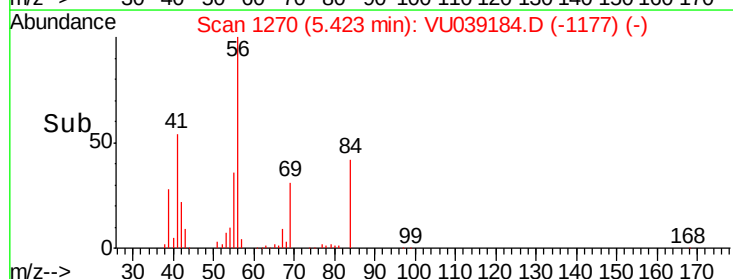
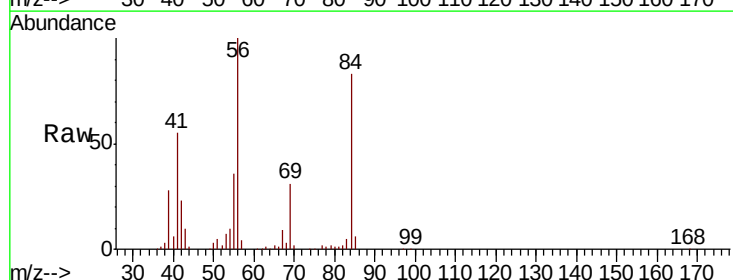
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB23

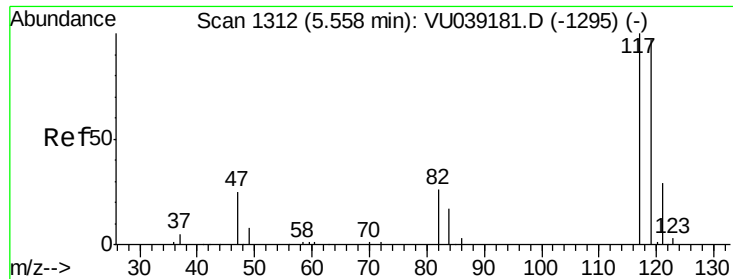
Tot Ion: 97 Resp: 159120
 Ion Ratio Lower Upper
 97 100
 99 63.6 51.2 76.8
 61 46.0 37.3 55.9



#30
 Cyclohexane
 Concen: 4.928 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VU039184.D
 Acq: 29 Jun 2020 11:47

Tgt Ion: 56 Resp: 155673
 Ion Ratio Lower Upper
 56 100
 69 30.1 25.0 37.4
 84 83.2 69.4 104.2





#31

Carbon tetrachloride

Concen: 4.664 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU039184.D

Acq: 29 Jun 2020 11:47

Instrument :

MSVOA_U

ClientSampleId :

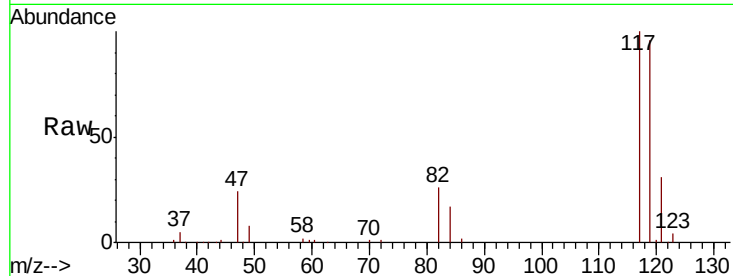
BFB23

Tot Ion:117 Resp: 132114

Ion Ratio Lower Upper

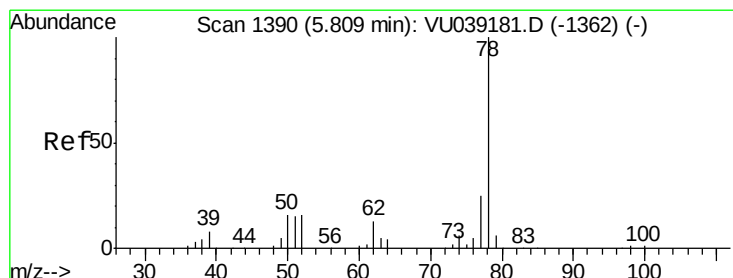
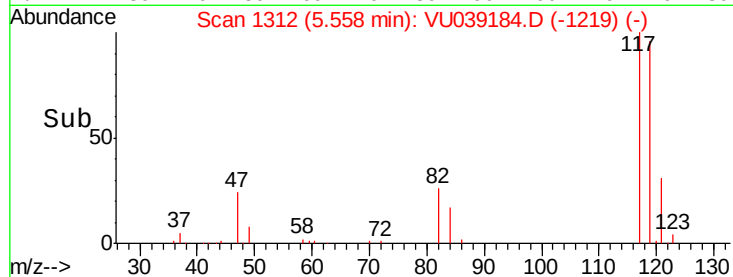
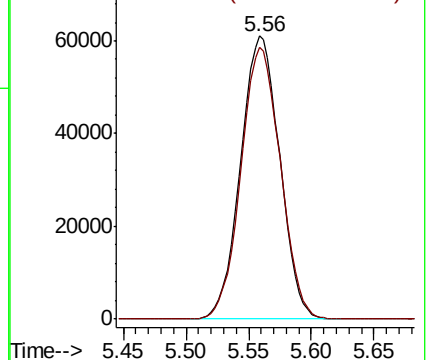
117 100

119 96.8 76.6 114.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.857 ug/L

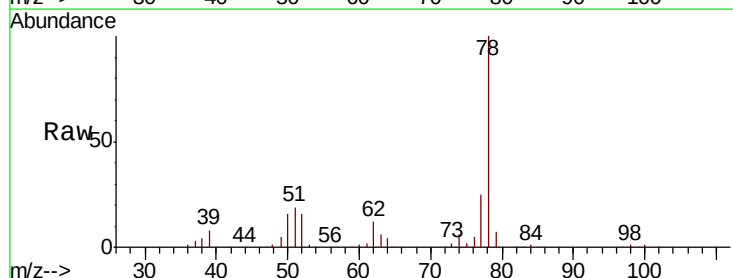
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

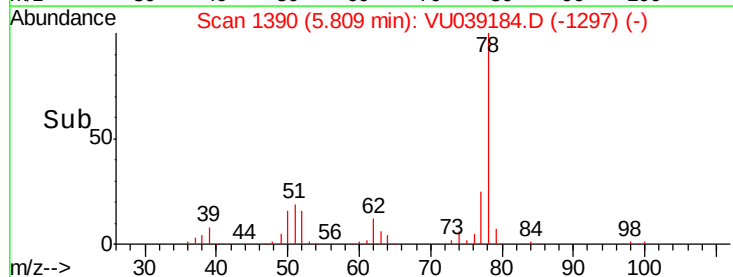
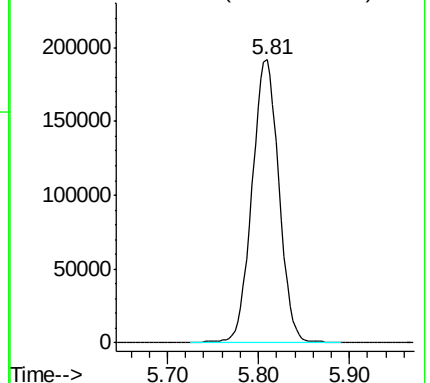
Lab File: VU039184.D

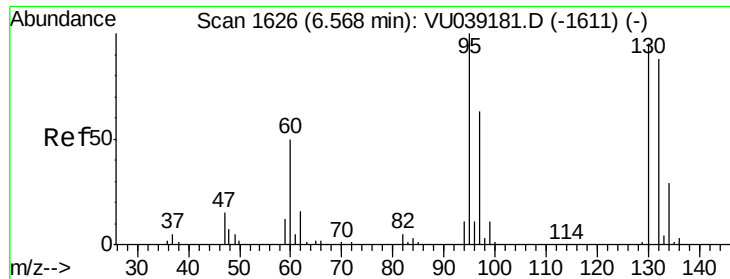
Acq: 29 Jun 2020 11:47

Tgt Ion: 78 Resp: 393497



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.783 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VU039184.D

Acq: 29 Jun 2020 11:47

Instrument :

MSVOA_U

ClientSampleId :

BFB23

Tot Ion: 95 Resp: 99035

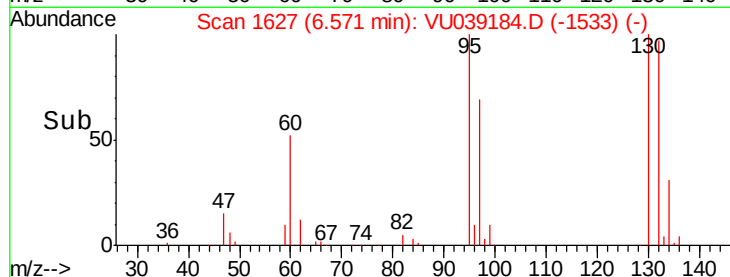
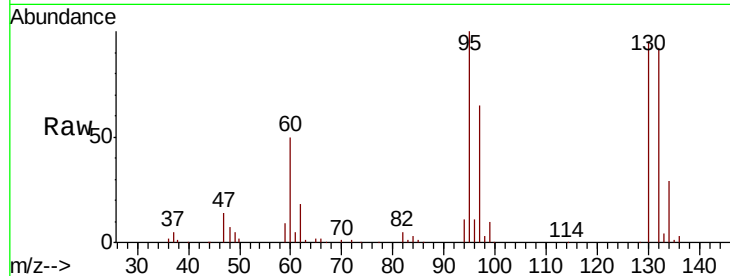
Ion Ratio Lower Upper

95 100

97 64.8 44.0 81.8

132 91.5 61.2 113.8

130 94.6 66.4 123.4



Abundance Ion 95.00 (94.70 to 95.70): VU039184.D (-1533) (-)

Ion 96.95 (96.65 to 97.65): VU039184.D (-1533) (-)

Ion 131.95 (131.65 to 132.65): VU039184.D (-1533) (-)

Ion 129.95 (129.65 to 130.65): VU039184.D (-1533) (-)

Time-->

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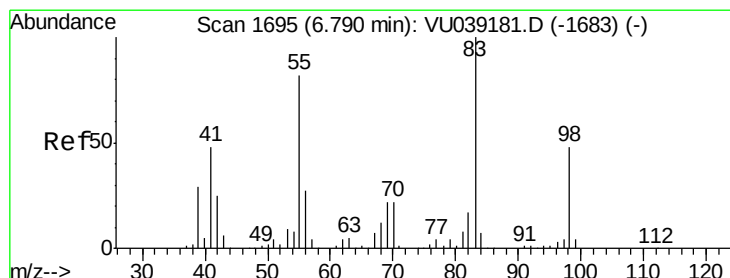
6.57

6.57

6.57

6.57

6.57



#35

Methylcyclohexane

Concen: 5.052 ug/L

RT: 6.79 min Scan# 1696

Delta R.T. 0.00 min

Lab File: VU039184.D

Acq: 29 Jun 2020 11:47

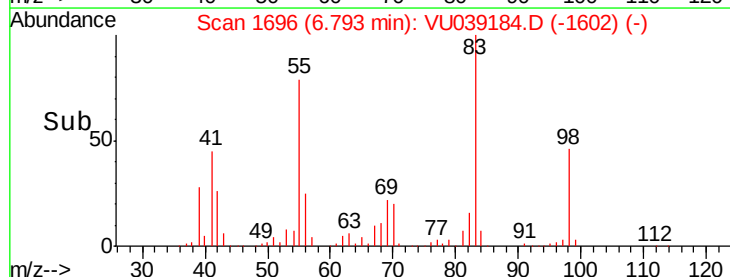
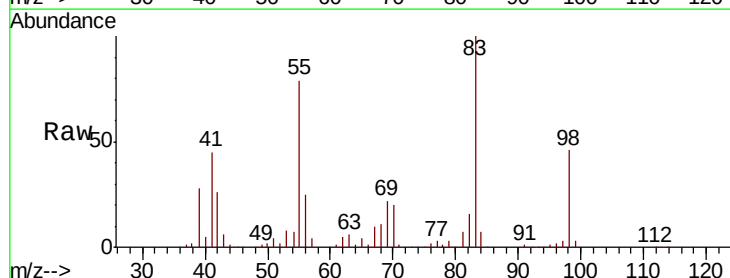
Tgt Ion: 83 Resp: 155927

Ion Ratio Lower Upper

83 100

55 82.1 65.5 98.3

98 46.3 38.2 57.4



Abundance Ion 83.15 (82.85 to 83.85): VU039184.D (-1602) (-)

Ion 55.10 (54.80 to 55.80): VU039184.D (-1602) (-)

Ion 98.15 (97.85 to 98.85): VU039184.D (-1602) (-)

Time-->

6.79

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6.79

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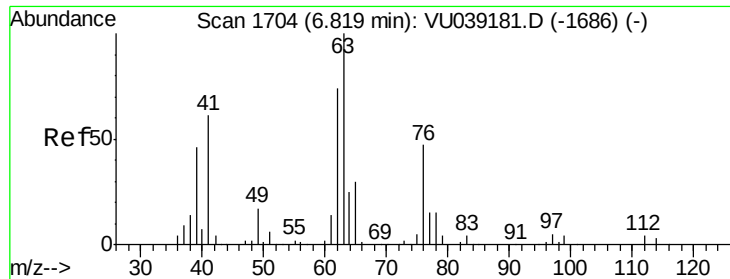
6.79

6.79

6.79

6.79

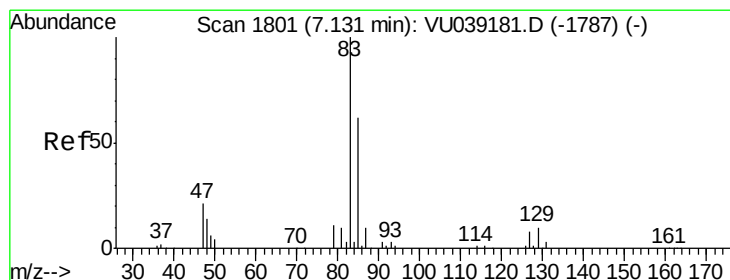
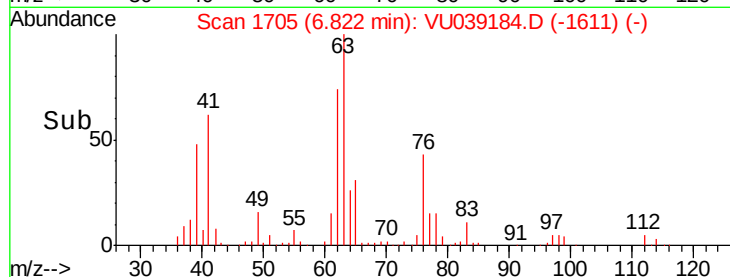
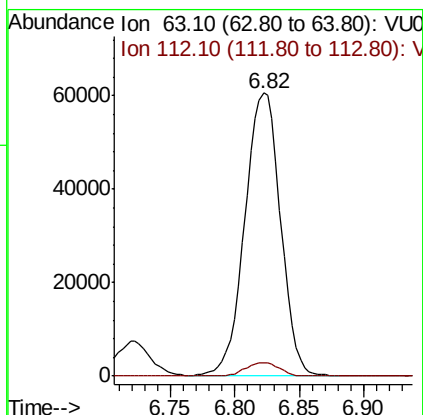
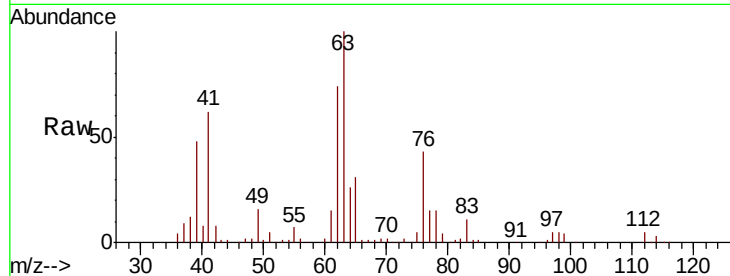
6.79



#37
 1,2-Dichloropropane
 Concen: 5.437 ug/L
 RT: 6.82 min Scan# 1705
 Delta R.T. 0.00 min
 Lab File: VU039184.D
 Acq: 29 Jun 2020 11:47

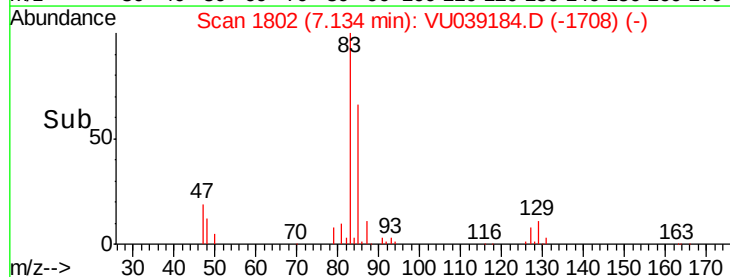
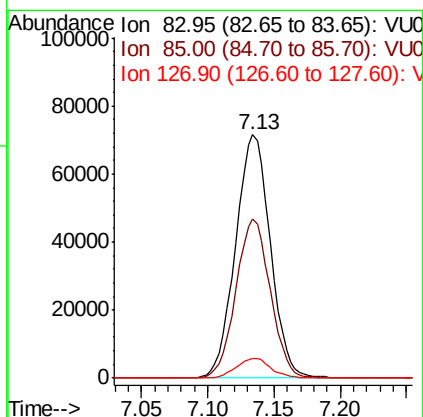
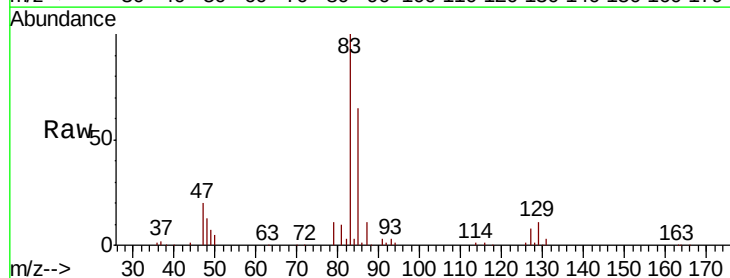
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB23

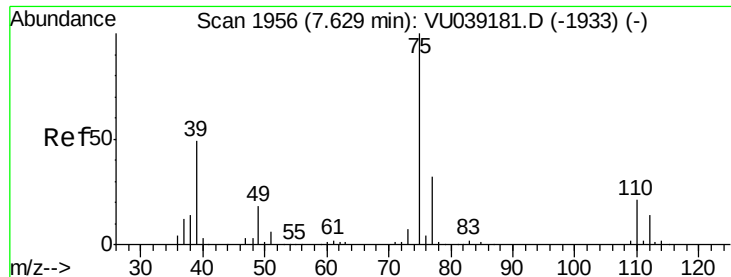
Tot Ion: 63 Resp: 116867
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.4 5.2



#38
 Bromodichloromethane
 Concen: 4.762 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VU039184.D
 Acq: 29 Jun 2020 11:47

Tgt Ion: 83 Resp: 130589
 Ion Ratio Lower Upper
 83 100
 85 65.1 43.4 80.6
 127 8.0 6.2 9.2

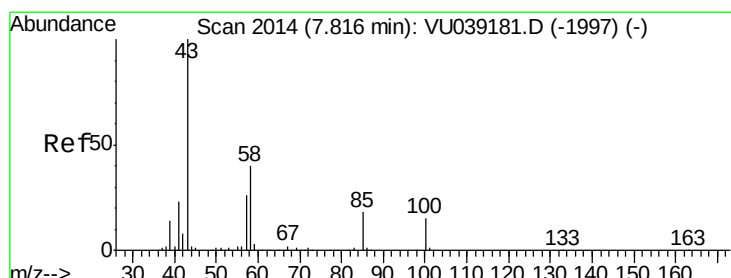
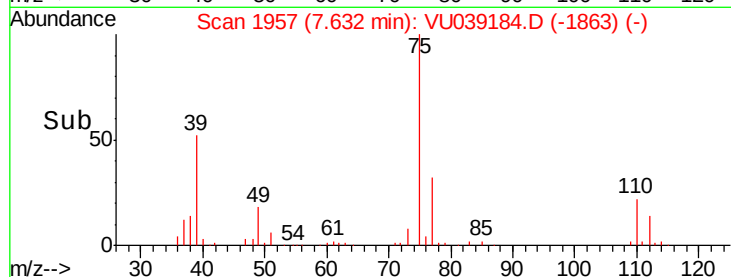
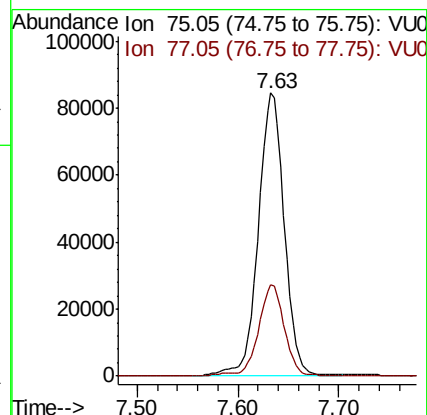
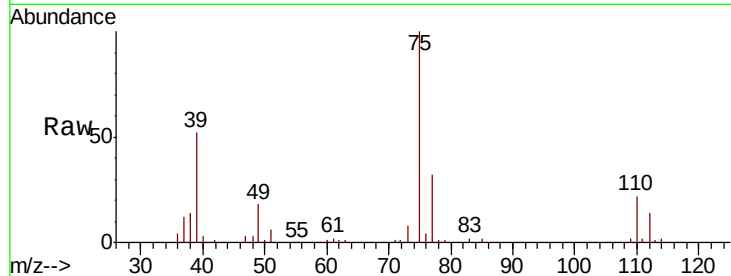




#39
 cis-1,3-Dichloropropene
 Concen: 4.885 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU039184.D
 Acq: 29 Jun 2020 11:47

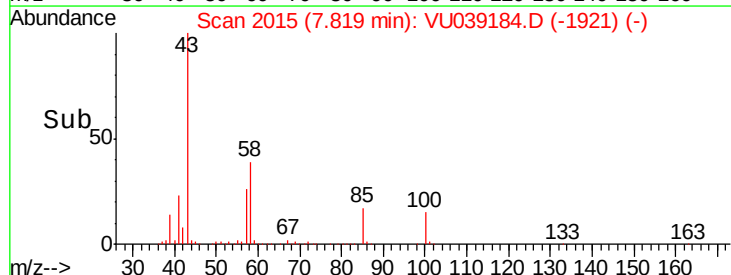
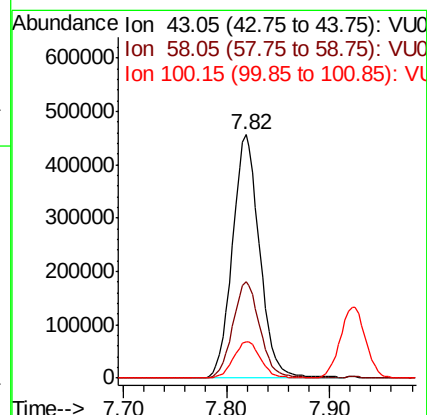
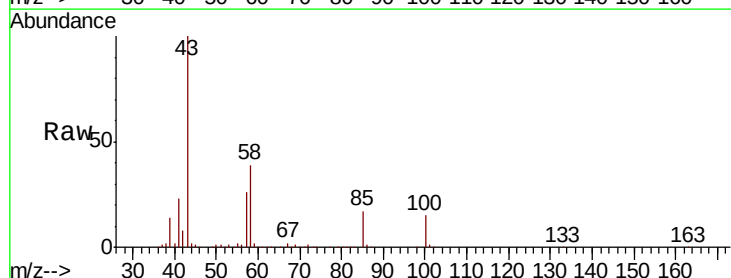
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB23

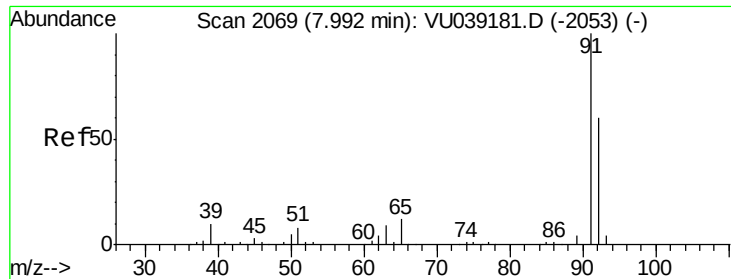
Tot Ion: 75 Resp: 150760
 Ion Ratio Lower Upper
 75 100
 77 32.2 22.7 42.1



#40
 4-Methyl-2-pentanone
 Concen: 53.881 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. 0.00 min
 Lab File: VU039184.D
 Acq: 29 Jun 2020 11:47

Tgt Ion: 43 Resp: 836455
 Ion Ratio Lower Upper
 43 100
 58 39.6 31.3 46.9
 100 15.0 12.2 18.4





#42

Toluene

Concen: 4.949 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU039184.D

Acq: 29 Jun 2020 11:47

Instrument :

MSVOA_U

ClientSampleId :

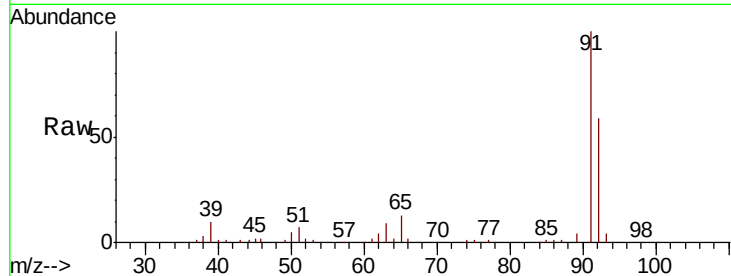
BFB23

Tot Ion: 91 Resp: 400278

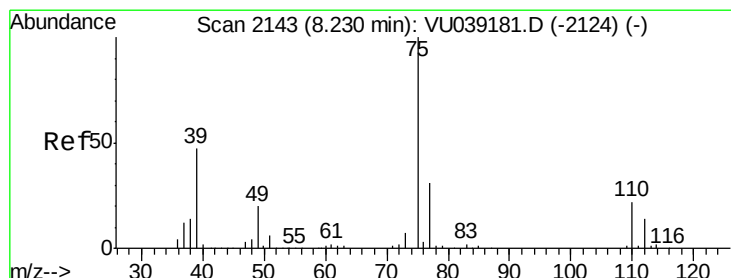
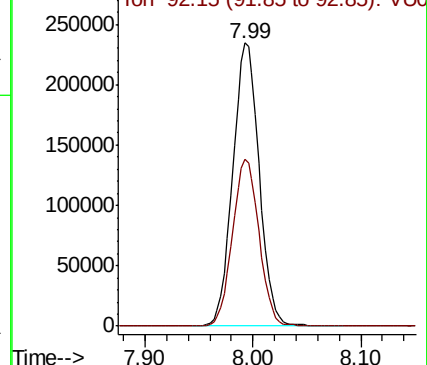
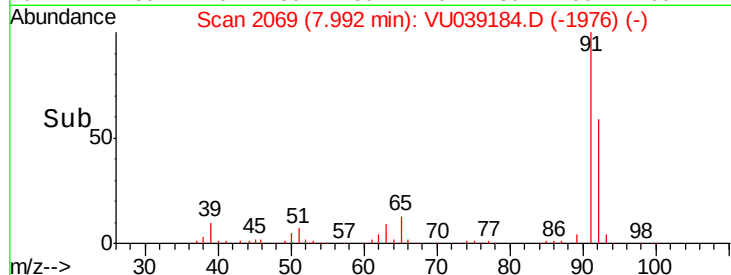
Ion Ratio Lower Upper

91 100

92 58.9 42.4 78.6



Abundance Ion 91.15 (90.85 to 91.85): VU039184.D (-1976) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.621 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU039184.D

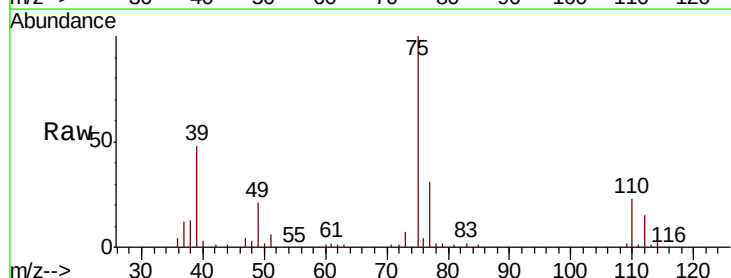
Acq: 29 Jun 2020 11:47

Tgt Ion: 75 Resp: 140120

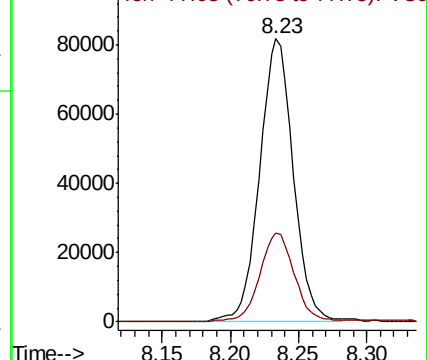
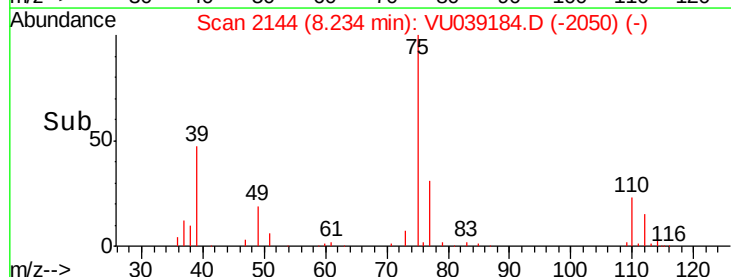
Ion Ratio Lower Upper

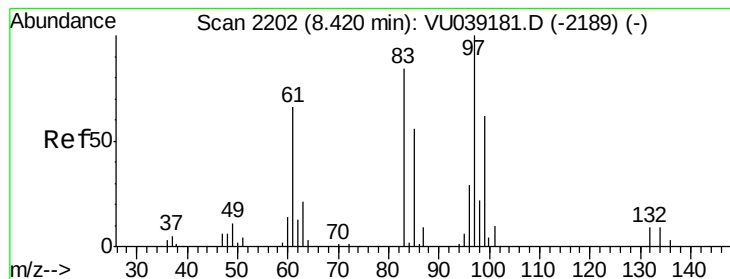
75 100

77 31.2 22.1 41.1



Abundance Ion 75.05 (74.75 to 75.75): VU039184.D (-2050) (-)





#45

1,1,2-Trichloroethane

Concen: 4.782 ug/L

RT: 8.42 min Scan# 2203

Delta R.T. 0.00 min

Lab File: VU039184.D

Acq: 29 Jun 2020 11:47

Instrument :

MSVOA_U

ClientSampleId :

BFB23

Tot Ion: 97 Resp: 76153

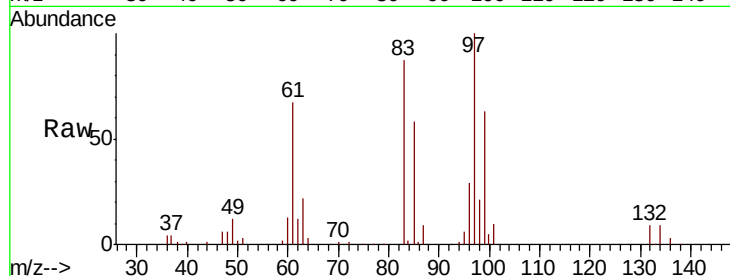
Ion Ratio Lower Upper

97 100

99 63.1 43.5 80.7

83 86.8 59.1 109.9

85 57.8 39.3 73.1

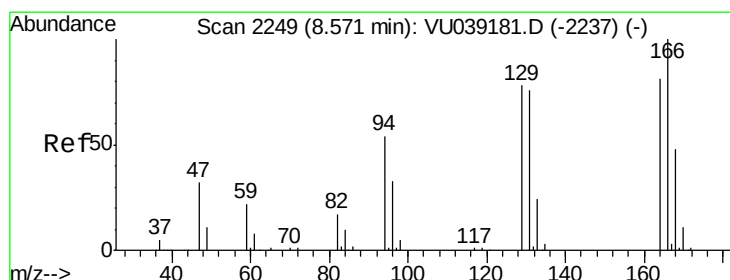
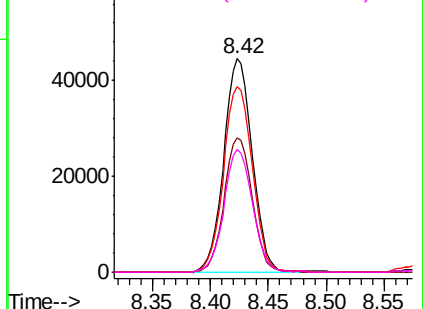
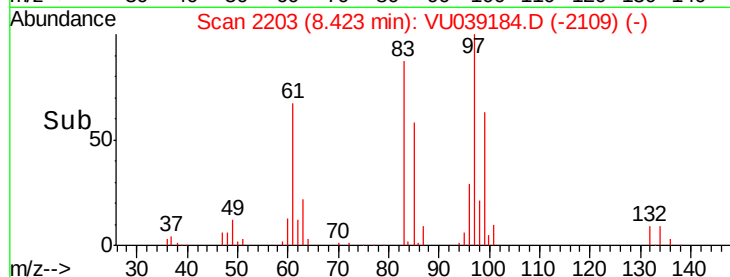


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 4.775 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. 0.00 min

Lab File: VU039184.D

Acq: 29 Jun 2020 11:47

Tgt Ion: 164 Resp: 71130

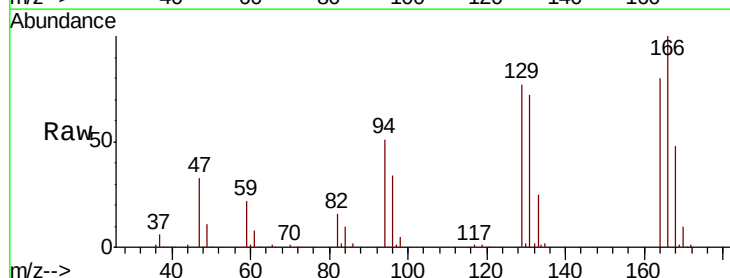
Ion Ratio Lower Upper

164 100

129 96.0 67.6 125.6

131 90.5 66.1 122.7

166 125.4 86.8 161.2

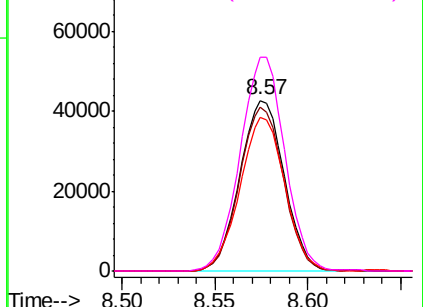
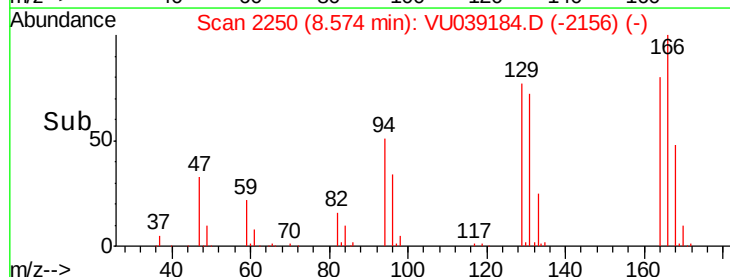


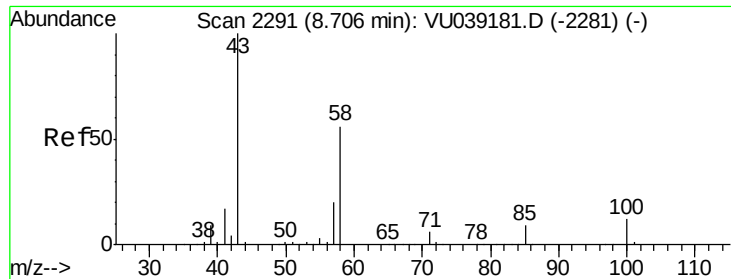
Abundance Ion 163.90 (163.60 to 164.60): V

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

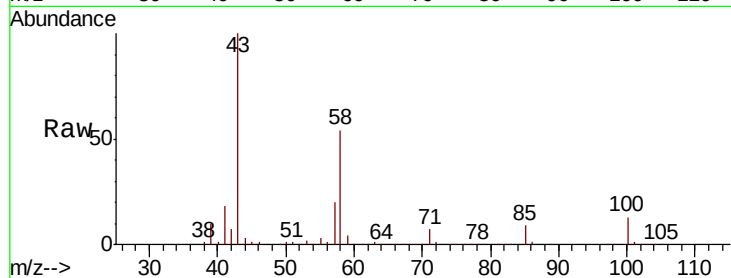




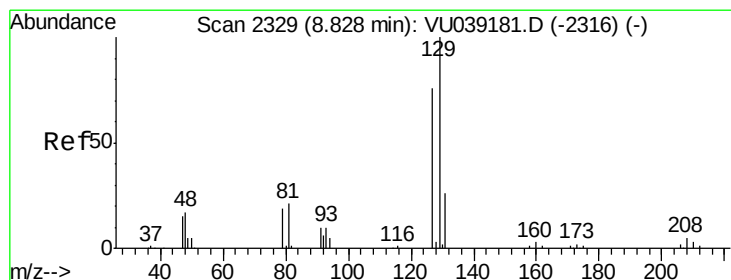
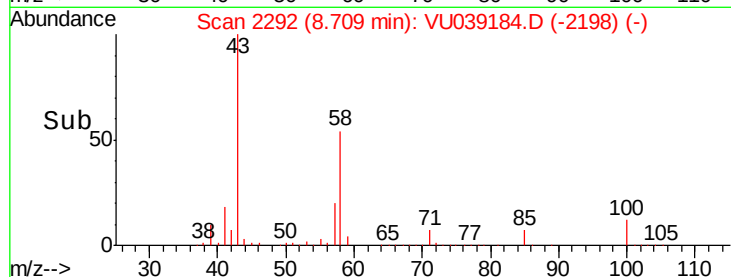
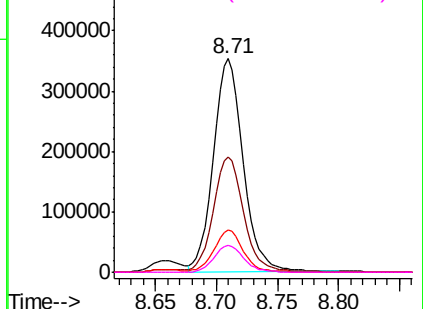
#48
2-Hexanone
Concen: 51.260 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU039184.D
Acq: 29 Jun 2020 11:47

Instrument :
MSVOA_U
ClientSampled :
BFB23

Tot Ion: 43 Resp: 607441
Ion Ratio Lower Upper
43 100
58 55.5 43.6 65.4
57 19.3 15.6 23.4
100 12.8 9.4 14.2

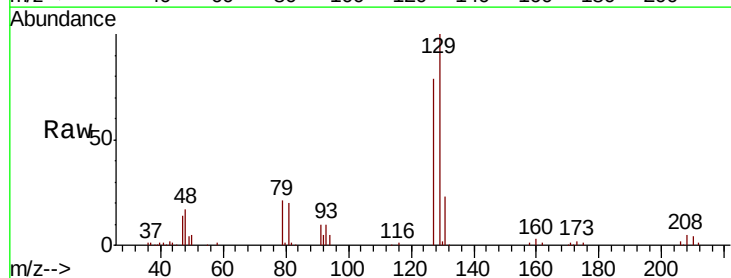


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

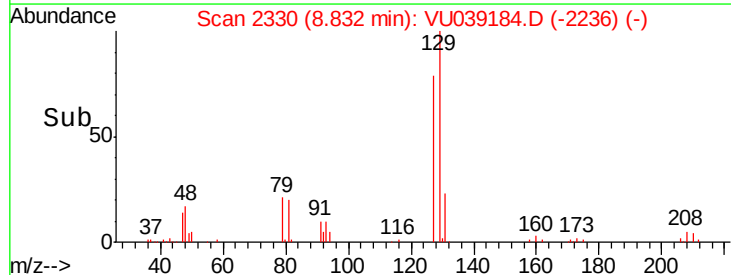
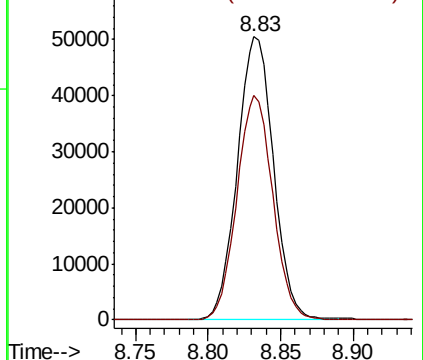


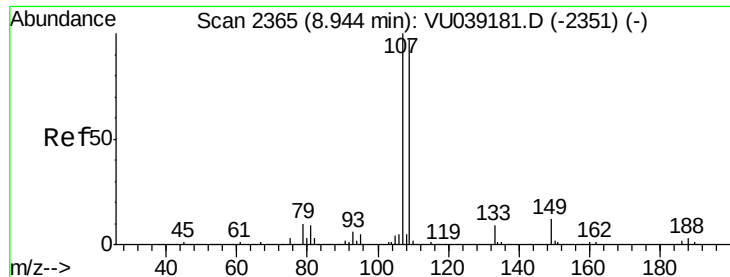
#49
Dibromochloromethane
Concen: 4.785 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU039184.D
Acq: 29 Jun 2020 11:47

Tgt Ion: 129 Resp: 87769
Ion Ratio Lower Upper
129 100
127 79.2 53.5 99.3



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

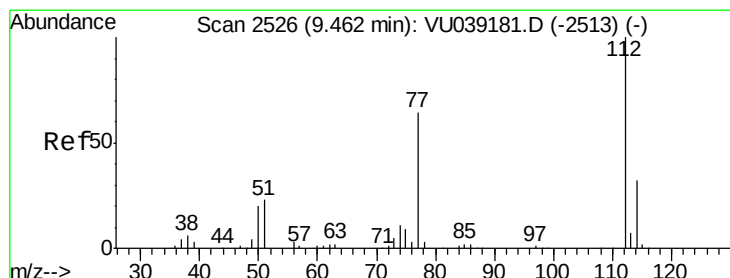
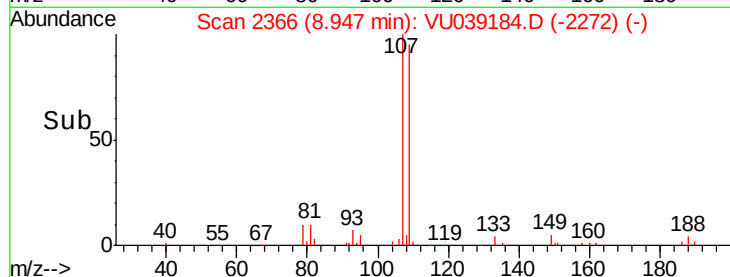
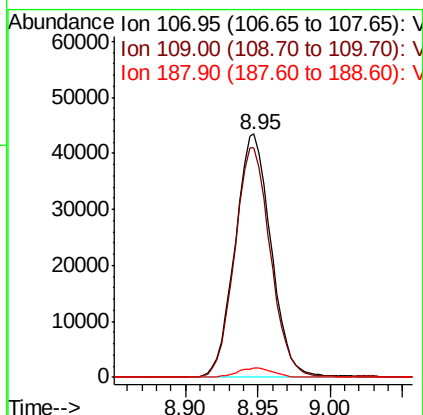
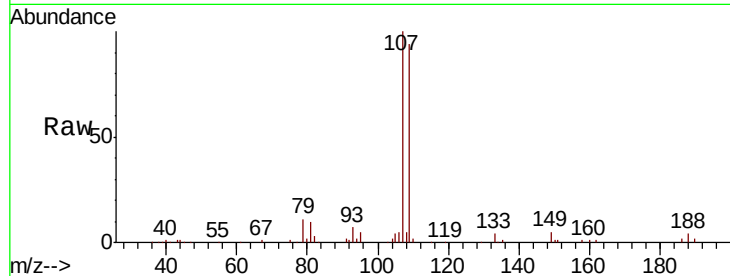




#50
1,2-Dibromoethane
Concen: 4.814 ug/L
RT: 8.95 min Scan# 2366
Delta R.T. 0.00 min
Lab File: VU039184.D
Acq: 29 Jun 2020 11:47

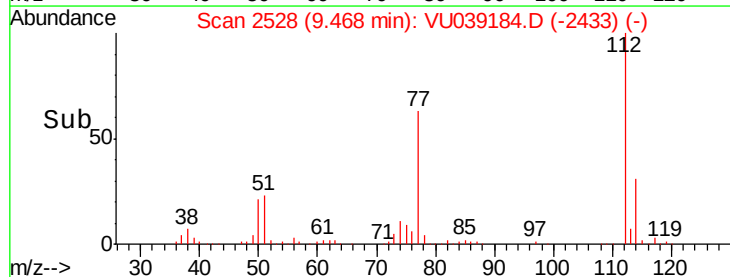
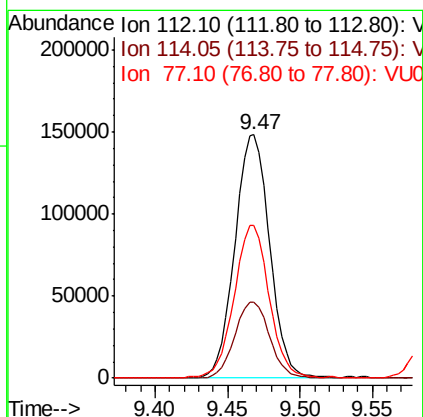
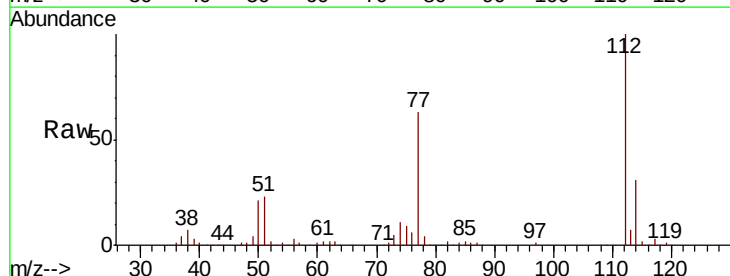
Instrument :
MSVOA_U
ClientSampleId :
BFB23

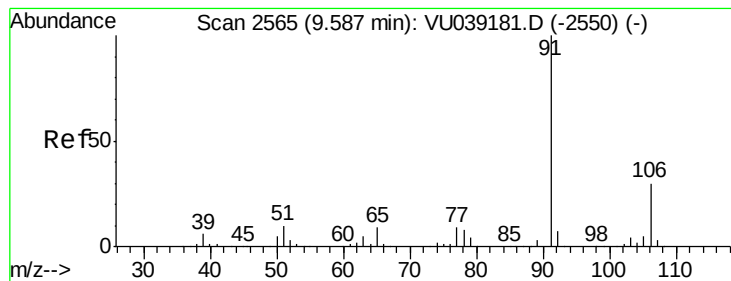
Tot Ion:107 Resp: 74797
Ion Ratio Lower Upper
107 100
109 94.3 67.7 125.7
188 3.7 2.5 3.7#



#51
Chlorobenzene
Concen: 4.804 ug/L
RT: 9.47 min Scan# 2528
Delta R.T. 0.01 min
Lab File: VU039184.D
Acq: 29 Jun 2020 11:47

Tgt Ion:112 Resp: 247400
Ion Ratio Lower Upper
112 100
114 31.2 22.6 42.0
77 62.8 51.1 76.7





#52

Ethylbenzene

Concen: 4.982 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VU039184.D

Acq: 29 Jun 2020 11:47

Instrument :

MSVOA_U

ClientSampleId :

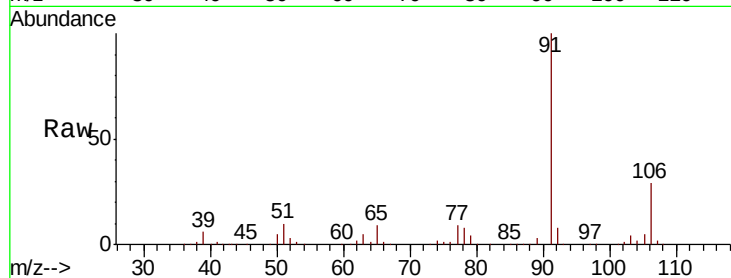
BFB23

Tot Ion: 91 Resp: 432292

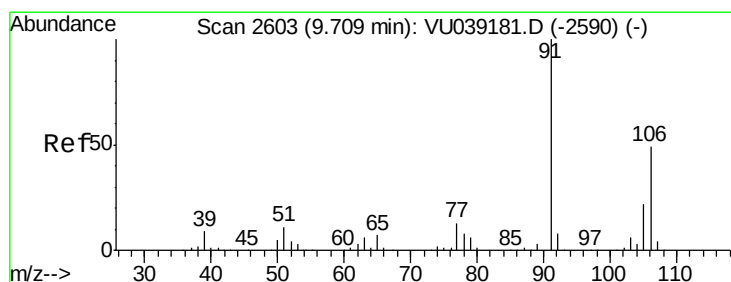
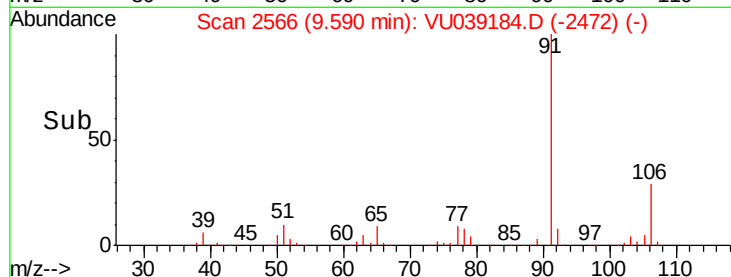
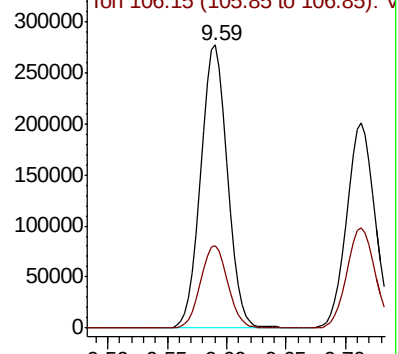
Ion Ratio Lower Upper

91 100

106 29.2 21.3 39.5



Abundance Ion 91.15 (90.85 to 91.85): VU039181.D (-2550) (-)



#53

m,p-Xylene

Concen: 5.094 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VU039184.D

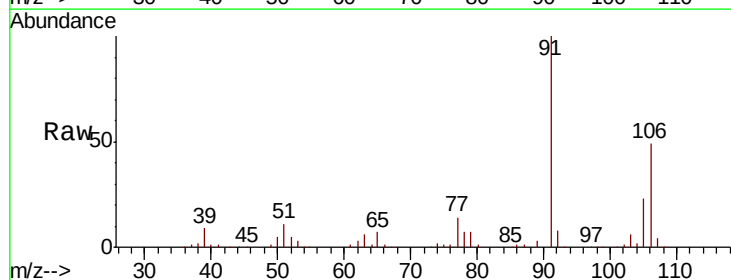
Acq: 29 Jun 2020 11:47

Tgt Ion: 106 Resp: 162899

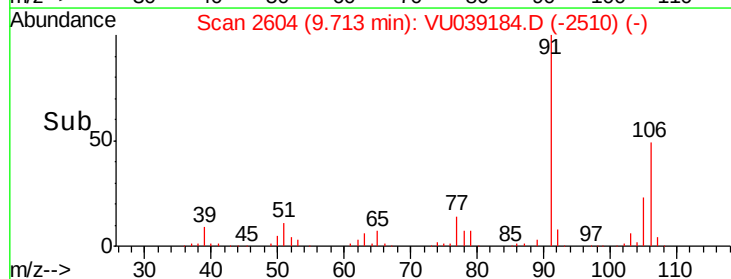
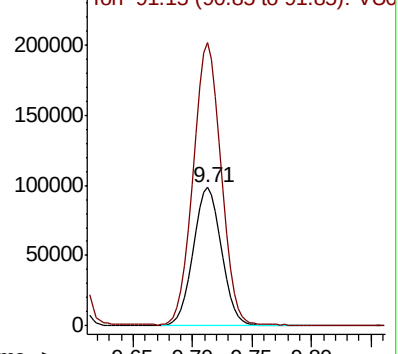
Ion Ratio Lower Upper

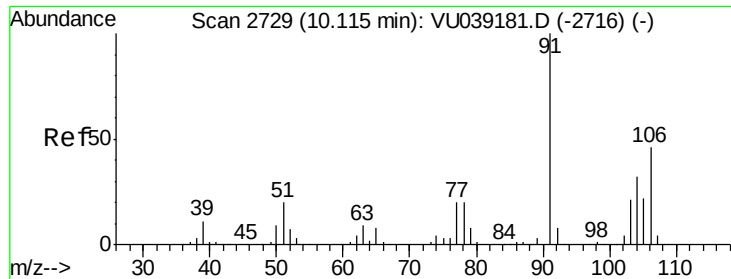
106 100

91 204.9 143.7 266.9



Abundance Ion 106.15 (105.85 to 106.85): VU039181.D (-2590) (-)

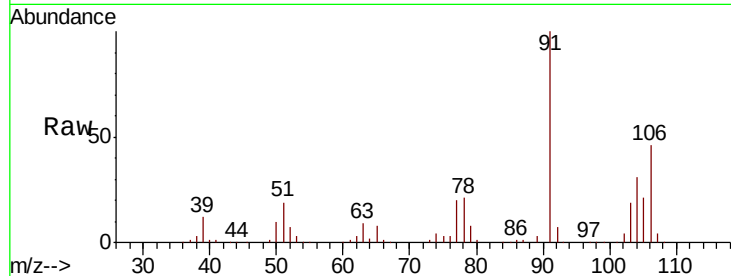




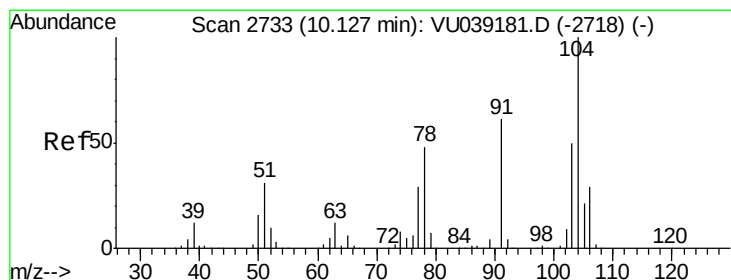
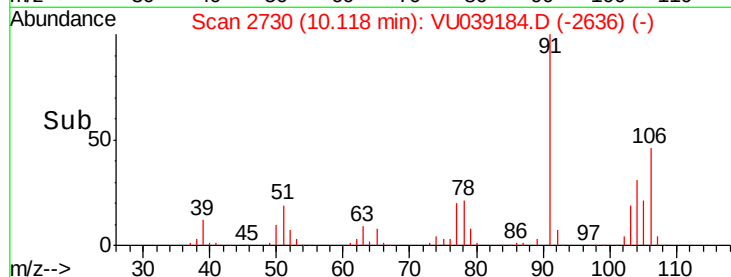
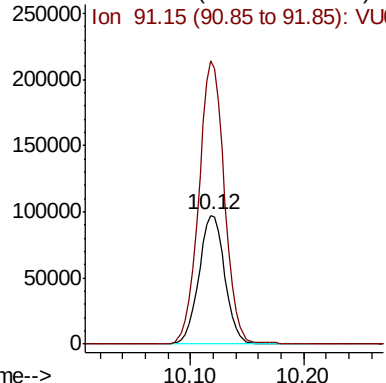
#54
o-Xylene
Concen: 5.044 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. 0.00 min
Lab File: VU039184.D
Acq: 29 Jun 2020 11:47

Instrument :
MSVOA_U
ClientSampled :
BFB23

Tot Ion:106 Resp: 155222
Ion Ratio Lower Upper
106 100
91 219.2 153.2 284.6

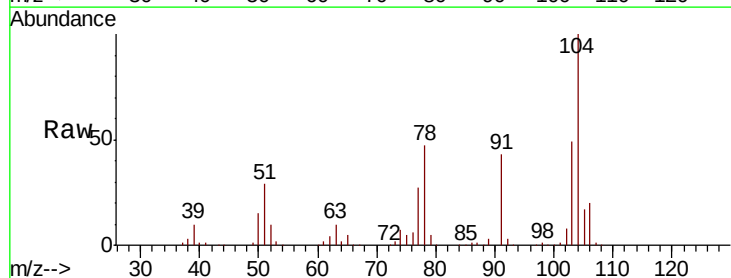


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

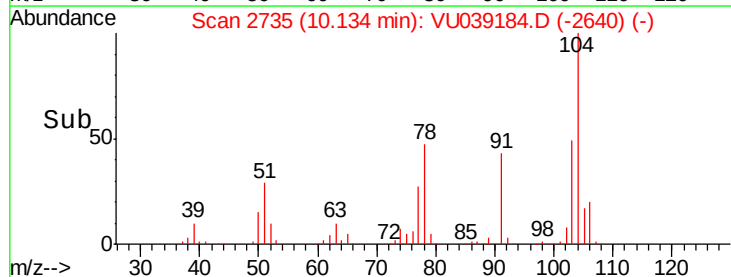
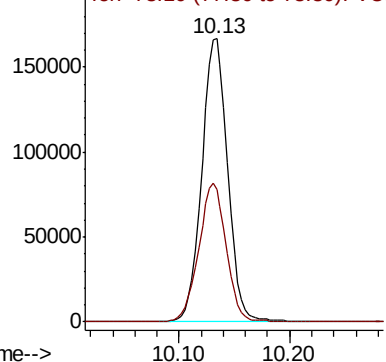


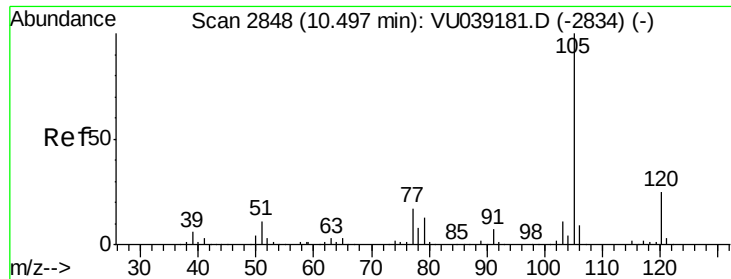
#55
Styrene
Concen: 5.081 ug/L
RT: 10.13 min Scan# 2735
Delta R.T. 0.01 min
Lab File: VU039184.D
Acq: 29 Jun 2020 11:47

Tgt Ion:104 Resp: 271270
Ion Ratio Lower Upper
104 100
78 46.8 33.5 62.1



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





#56

Isopropylbenzene

Concen: 4.981 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU039184.D

Acq: 29 Jun 2020 11:47

Instrument :

MSVOA_U

ClientSampleId :

BFB23

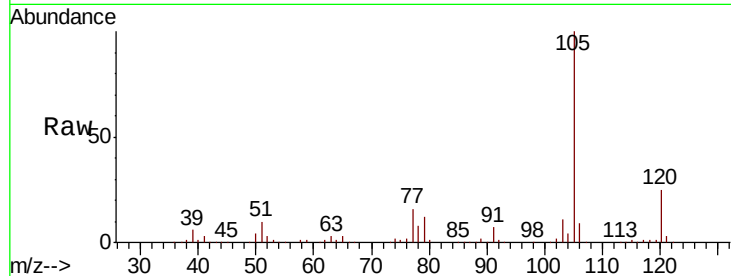
Tot Ion:105 Resp: 407848

Ion Ratio Lower Upper

105 100

120 25.3 20.1 30.1

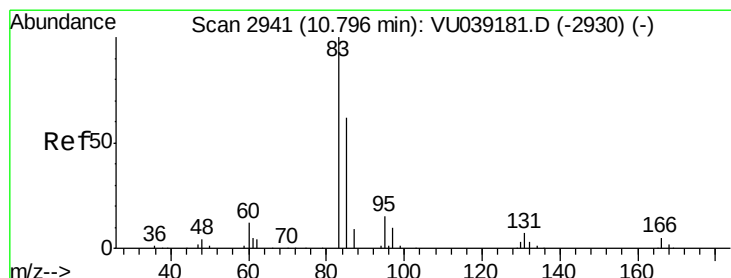
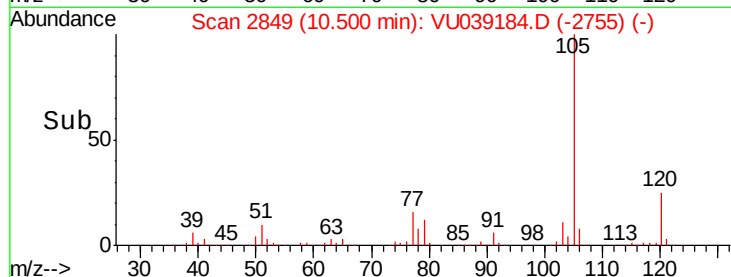
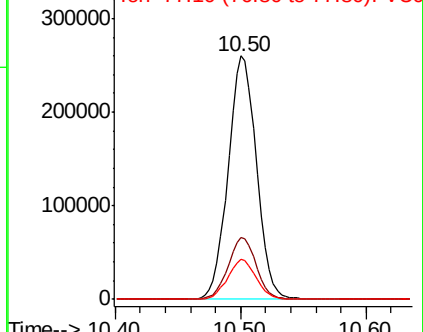
77 16.5 13.4 20.2



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: 4.495 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU039184.D

Acq: 29 Jun 2020 11:47

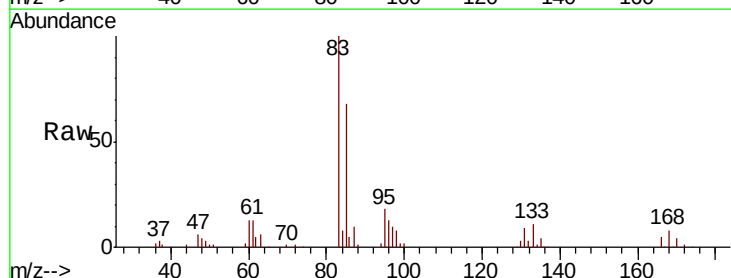
Tgt Ion: 83 Resp: 95534

Ion Ratio Lower Upper

83 100

85 67.6 43.4 80.6

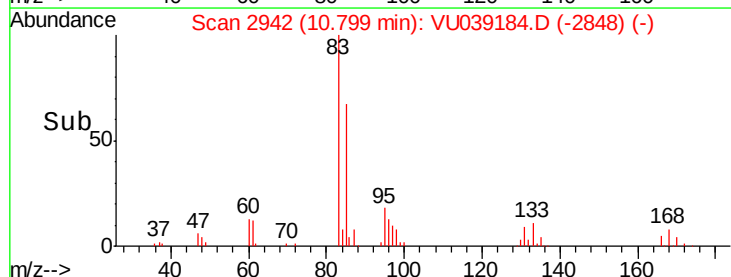
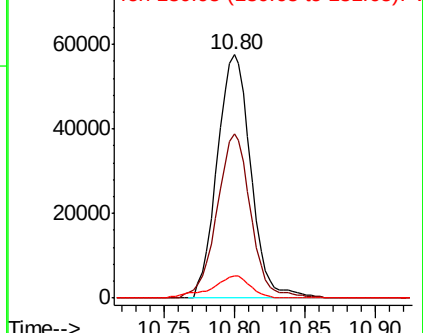
131 9.2 6.5 9.7

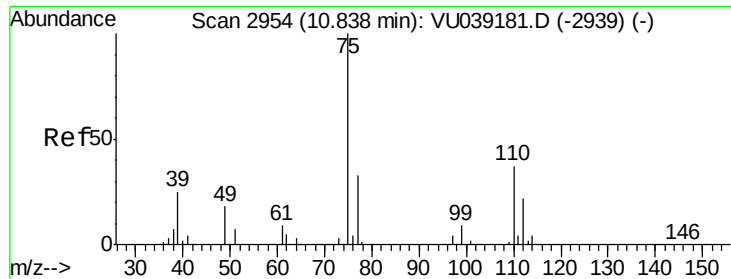


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.780 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. 0.00 min

Lab File: VU039184.D

Acq: 29 Jun 2020 11:47

Instrument :

MSVOA_U

ClientSampleId :

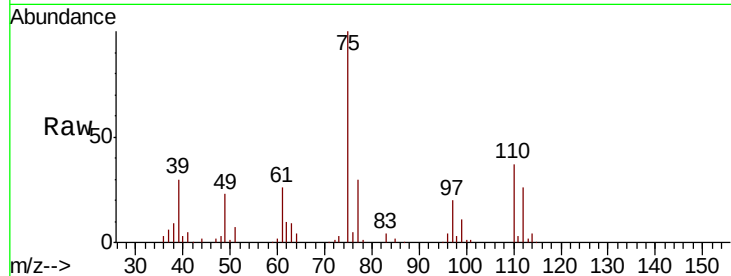
BFB23

Tot Ion: 75 Resp: 77313

Ion Ratio Lower Upper

75 100

77 31.5 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VU039181.D (-2939) (-)

Ion 77.00 (76.70 to 77.70): VU039181.D (-2939) (-)

10.84

50000

40000

30000

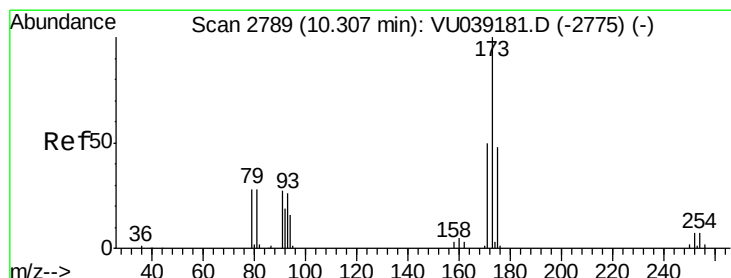
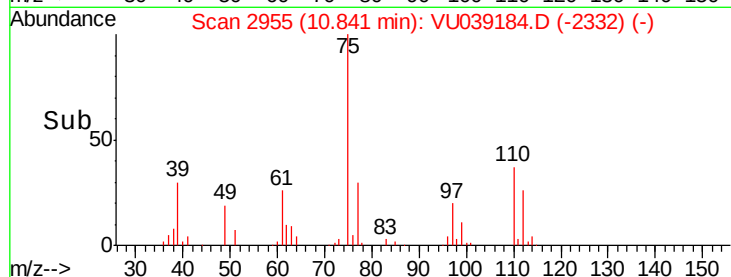
20000

10000

0

Time-->

10.80 10.85 10.90



#61

Bromoform

Concen: 4.274 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VU039184.D

Acq: 29 Jun 2020 11:47

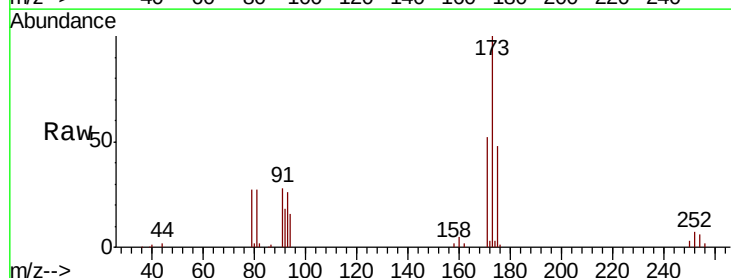
Tgt Ion: 173 Resp: 50387

Ion Ratio Lower Upper

173 100

175 47.9 39.3 58.9

254 6.4 5.5 8.3



Abundance Ion 172.90 (172.60 to 173.60): VU039181.D (-2775) (-)

Ion 174.90 (174.60 to 175.60): VU039181.D (-2775) (-)

Ion 253.75 (253.45 to 254.45): VU039181.D (-2775) (-)

40000

30000

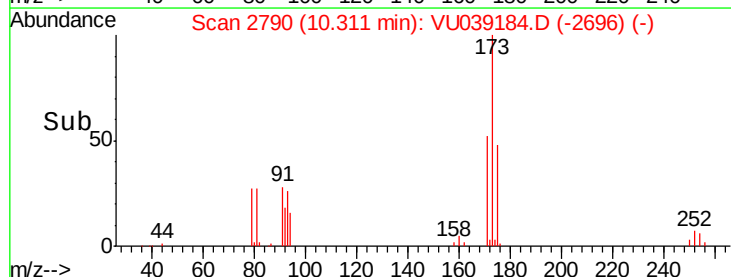
20000

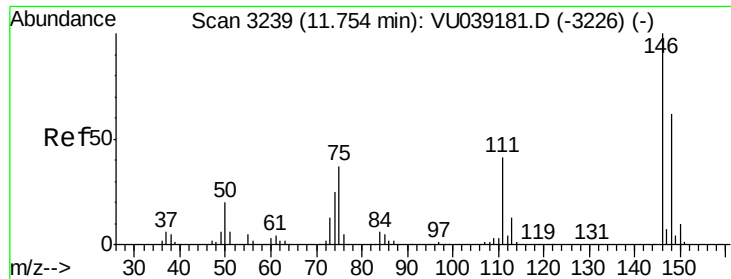
10000

0

Time-->

10.25 10.30 10.35 10.40

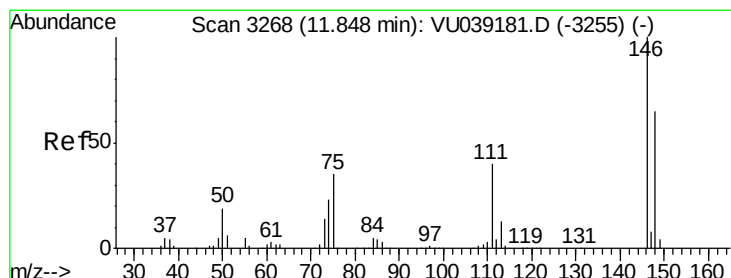
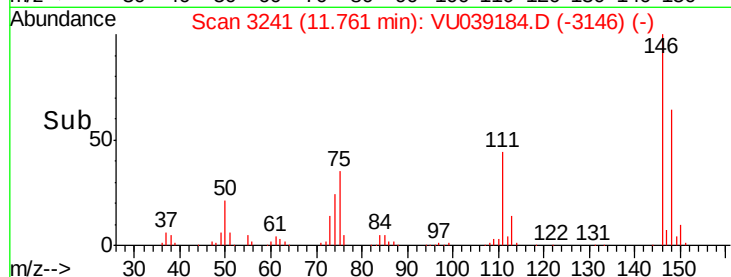
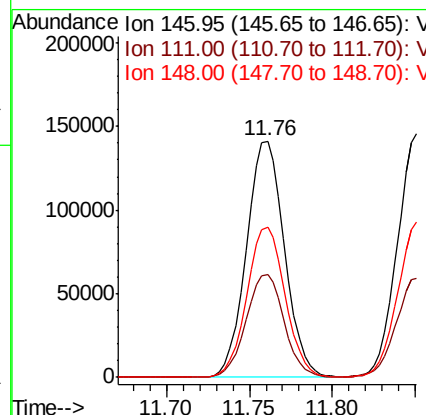
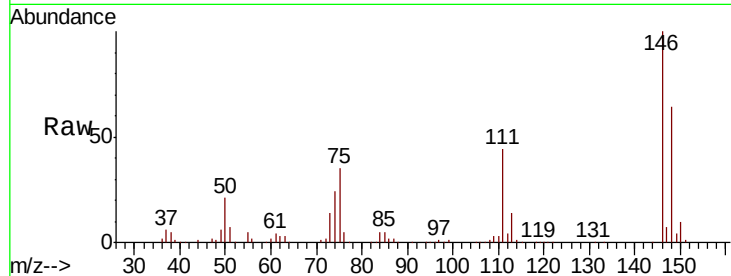




#62
 1,3-Dichlorobenzene
 Concen: 4.802 ug/L
 RT: 11.76 min Scan# 3241
 Delta R.T. 0.01 min
 Lab File: VU039184.D
 Acq: 29 Jun 2020 11:47

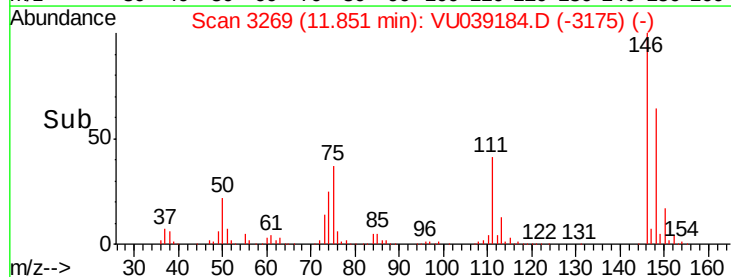
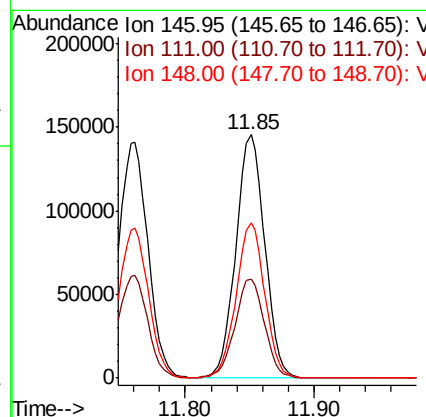
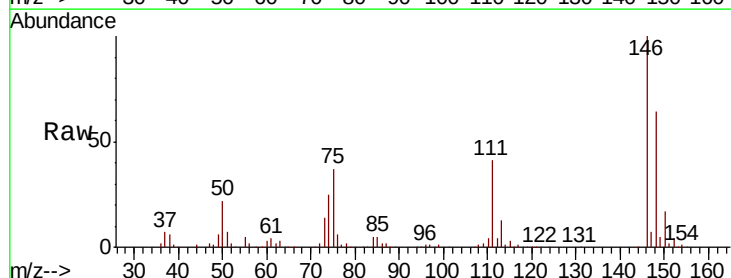
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB23

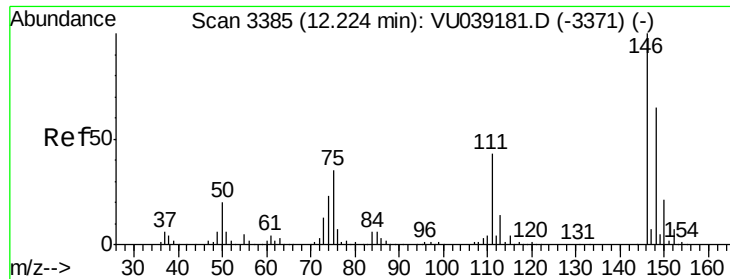
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	29.0	53.8
148	63.7	43.2	80.2



#63
 1,4-Dichlorobenzene
 Concen: 4.826 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. 0.00 min
 Lab File: VU039184.D
 Acq: 29 Jun 2020 11:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	28.3	52.5
148	63.7	45.8	85.2





#65

1,2-Dichlorobenzene

Concen: 4.816 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU039184.D

Acq: 29 Jun 2020 11:47

Instrument :

MSVOA_U

ClientSampleId :

BFB23

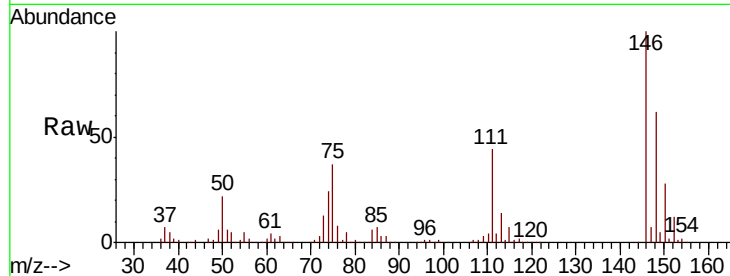
Tot Ion:146 Resp: 215333

Ion Ratio Lower Upper

146 100

111 43.6 34.7 52.1

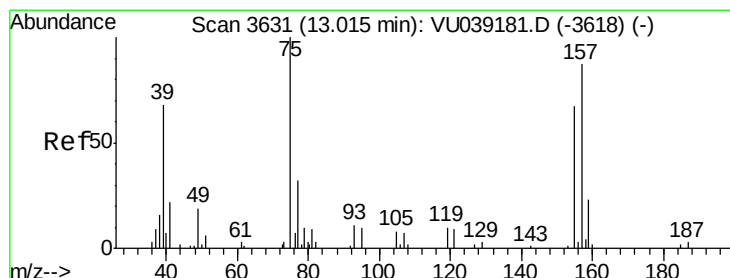
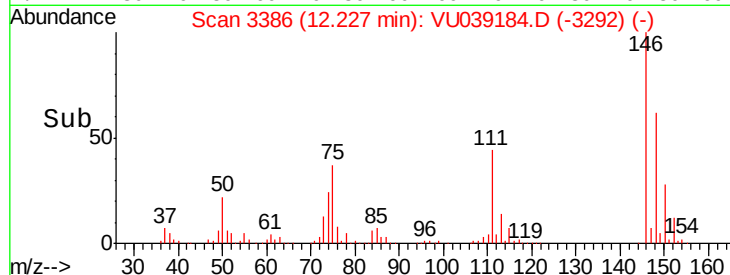
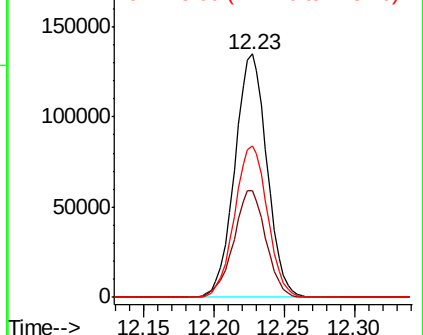
148 62.4 51.8 77.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.308 ug/L

RT: 13.02 min Scan# 3633

Delta R.T. 0.01 min

Lab File: VU039184.D

Acq: 29 Jun 2020 11:47

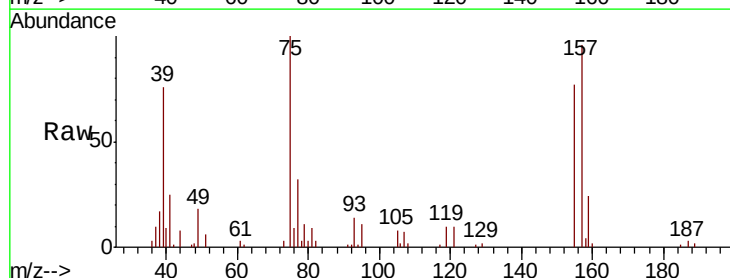
Tgt Ion: 75 Resp: 19566

Ion Ratio Lower Upper

75 100

155 77.2 53.8 80.8

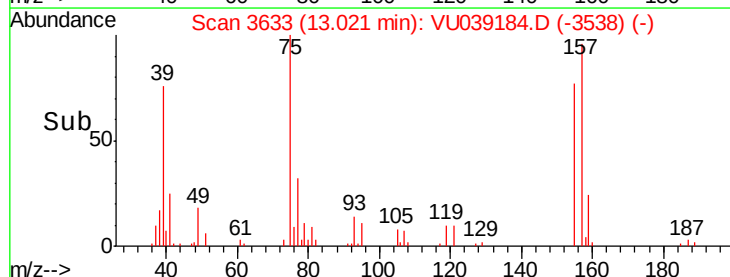
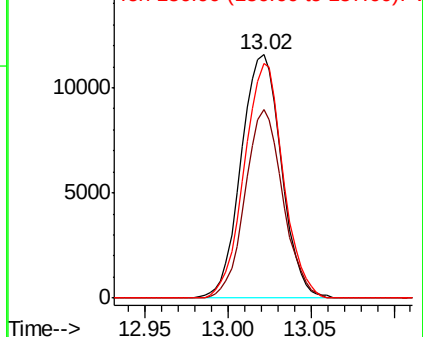
157 96.4 69.4 104.2

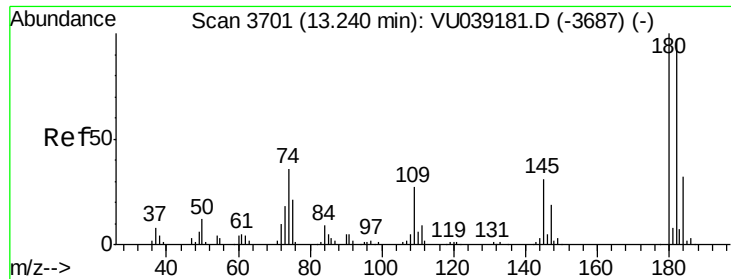


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

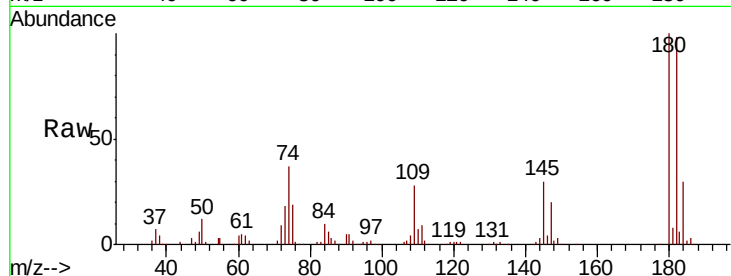




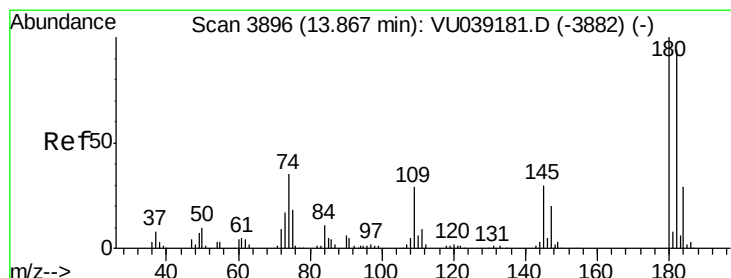
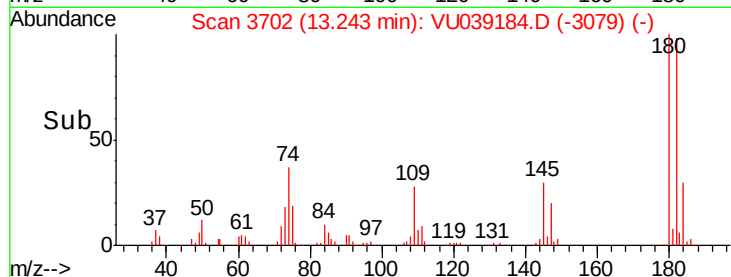
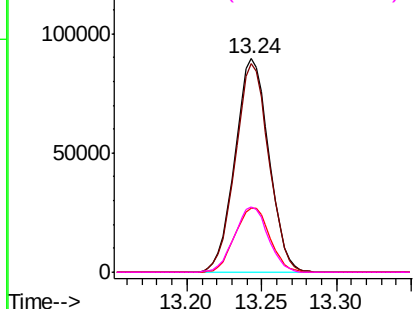
#67
 1,3,5-Trichlorobenzene
 Concen: 4.175 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. 0.00 min
 Lab File: VU039184.D
 Acq: 29 Jun 2020 11:47

Instrument :
 MSVOA_U
 ClientSampled :
 BFB23

Tot Ion:180 Resp: 141174
 Ion Ratio Lower Upper
 180 100
 182 96.7 77.5 116.3
 184 30.9 25.1 37.7
 145 30.6 24.4 36.6

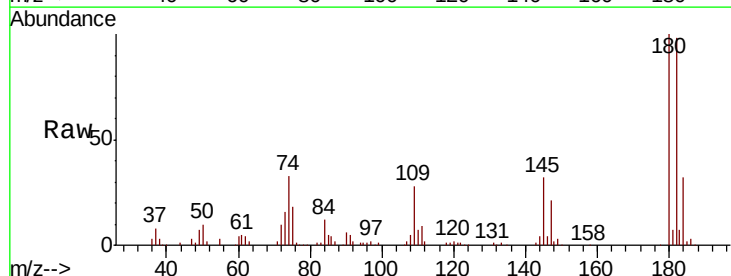


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

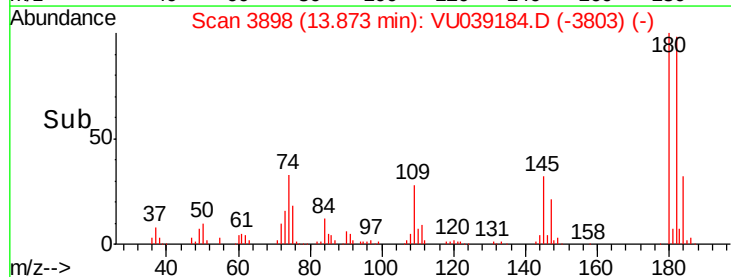
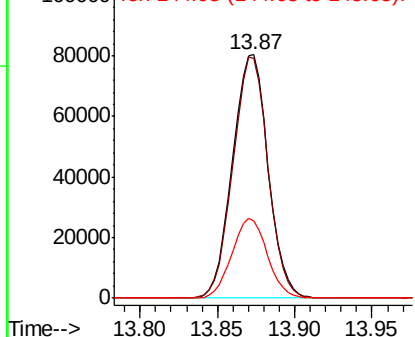


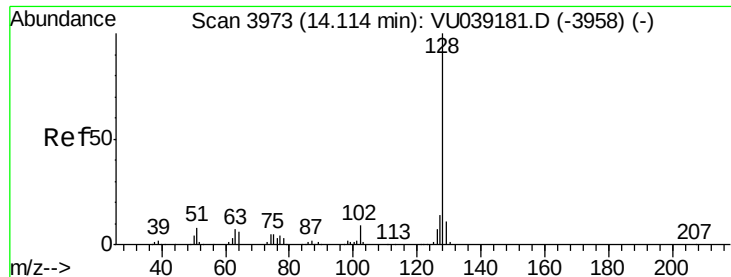
#68
 1,2,4-trichlorobenzene
 Concen: 4.339 ug/L
 RT: 13.87 min Scan# 3898
 Delta R.T. 0.01 min
 Lab File: VU039184.D
 Acq: 29 Jun 2020 11:47

Tgt Ion:180 Resp: 128093
 Ion Ratio Lower Upper
 180 100
 182 97.7 75.4 113.0
 145 32.6 25.3 37.9



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.894 ug/L

RT: 14.12 min Scan# 3975

Delta R.T. 0.01 min

Lab File: VU039184.D

Acq: 29 Jun 2020 11:47

Instrument :

MSVOA_U

ClientSampleId :

BFB23

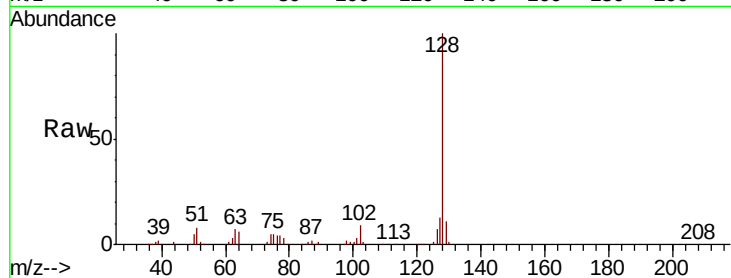
Tot Ion:128 Resp: 271319

Ion Ratio Lower Upper

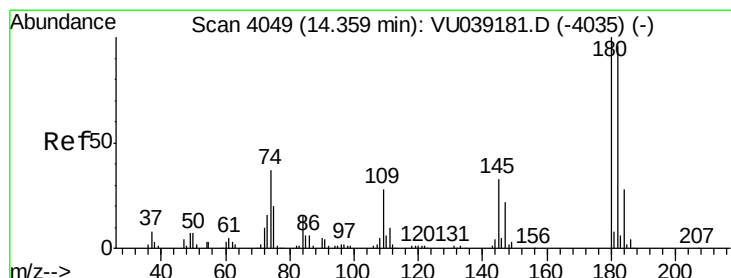
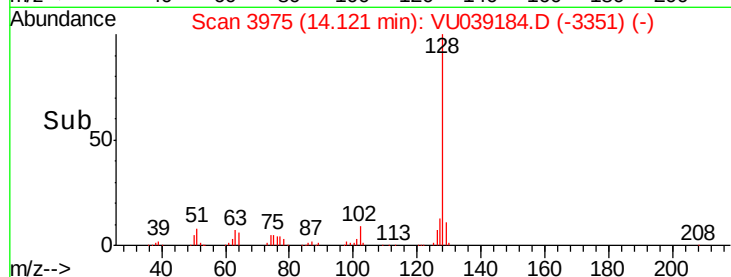
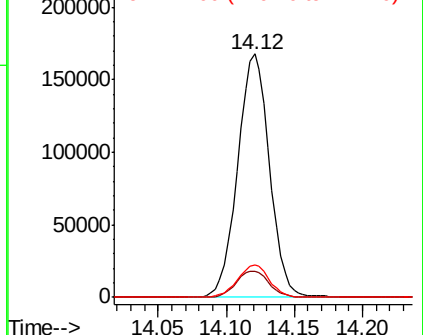
128 100

129 11.1 8.8 13.2

127 13.3 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.635 ug/L

RT: 14.37 min Scan# 4051

Delta R.T. 0.01 min

Lab File: VU039184.D

Acq: 29 Jun 2020 11:47

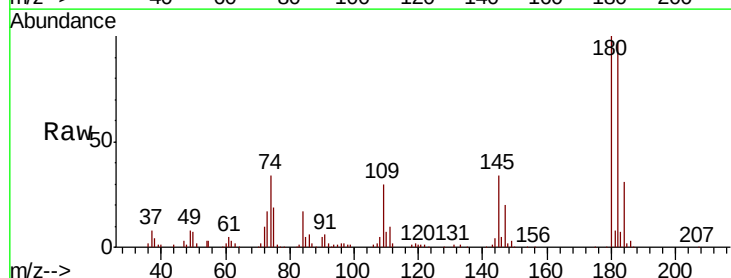
Tgt Ion:180 Resp: 126697

Ion Ratio Lower Upper

180 100

182 95.9 76.8 115.2

145 33.7 26.4 39.6



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

