

Data File : VU029278.D
Acq On : 25 Jan 2019 10:07
Operator : JC/SP
Sample : VSTD0.542
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFB42

Quant Time: Jan 28 01:31:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR012519WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Jan 28 01:29:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	71792	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	72373	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	35719	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	3599	0.53	ug/L	0.00
7) Chloroethane-d5	1.68	69	2523	0.50	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.28	63	6236	0.52	ug/L	0.00
20) 2-Butanone-d5	4.21	46	6074	4.33	ug/L	0.02
24) Chloroform-d	4.65	84	5609	0.50	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	3095	0.50	ug/L	0.00
32) Benzene-d6	5.34	84	10109	0.49	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	3136	0.51	ug/L	0.00
41) Toluene-d8	7.56	98	9191	0.48	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	1140	0.42	ug/L	0.00
46) 2-Hexanone-d5	8.32	63	5205	4.12	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	2682	0.49	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	3703	0.52	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	4996	0.503 ug/L	95
3) Chloromethane	1.32	50	4615	0.530 ug/L	97
5) Vinyl chloride	1.40	62	4601	0.528 ug/L	98
6) Bromomethane	1.63	94	2381	0.508 ug/L	100
8) Chloroethane	1.70	64	2966	0.609 ug/L	92
9) Trichlorofluoromethane	1.89	101	5848	0.505 ug/L	91
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	3120	0.530 ug/L	98
12) 1,1-Dichloroethene	2.29	96	2836	0.522 ug/L	93
13) Acetone	2.34	43	5610	5.345 ug/L	96
14) Carbon disulfide	2.48	76	10046	0.534 ug/L	98
15) Methyl Acetate	2.62	43	1411	0.561 ug/L #	71
16) Methylene chloride	2.70	84	3975	0.624 ug/L	93
17) Methyl tert-butyl Ether	3.00	73	6893	0.489 ug/L	99
18) trans-1,2-Dichloroethene	2.98	96	3136	0.532 ug/L	91
19) 1,1-Dichloroethane	3.44	63	5453	0.519 ug/L	99
21) 2-Butanone	4.29	43	7365	4.848 ug/L	95
22) cis-1,2-Dichloroethene	4.23	96	2878	0.486 ug/L	90
23) Bromochloromethane	4.55	128	1259	0.468 ug/L	79
25) Chloroform	4.67	83	5306	0.482 ug/L	96
27) 1,2-Dichloroethane	5.41	62	3711	0.492 ug/L #	93
29) 1,1,1-Trichloroethane	4.91	97	5296	0.540 ug/L	98
30) Cyclohexane	4.99	56	4298	0.487 ug/L	97
31) Carbon tetrachloride	5.13	117	3972	0.475 ug/L	92
33) Benzene	5.39	78	11320	0.501 ug/L	100
34) Trichloroethene	6.19	95	3084	0.516 ug/L	97
35) Methylcyclohexane	6.41	83	4788	0.501 ug/L	98
37) 1,2-Dichloropropane	6.44	63	3103	0.521 ug/L #	85
38) Bromodichloromethane	6.76	83	4035	0.512 ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	3916	0.457 ug/L	94
40) 4-Methyl-2-pentanone	7.47	43	16509	4.592 ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	11660	0.479	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	3459	0.465	ug/L	97
45) 1,1,2-Trichloroethane	8.07	97	2176	0.508	ug/L	94
47) Tetrachloroethene	8.22	164	2633	0.502	ug/L	83
48) 2-Hexanone	8.37	43	12386	4.727	ug/L	94
49) Dibromochloromethane	8.47	129	2607	0.490	ug/L	95
50) 1,2-Dibromoethane	8.59	107	2160	0.521	ug/L #	88
51) Chlorobenzene	9.12	112	8043	0.502	ug/L	98
52) Ethylbenzene	9.25	91	12676	0.474	ug/L	96
53) m,p-xylene	9.38	106	4751	0.468	ug/L	88
54) o-xylene	9.77	106	4460	0.462	ug/L	95
55) Styrene	9.79	104	7589	0.451	ug/L	95
56) Isopropylbenzene	10.17	105	11441	0.440	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	2906	0.521	ug/L #	93
59) 1,2,3-Trichloropropane	10.49	75	2162	0.527	ug/L	98
61) Bromoform	9.96	173	1564	0.525	ug/L #	95
62) 1,3-Dichlorobenzene	11.42	146	6216	0.519	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	7010	0.549	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	6016	0.512	ug/L	94
66) 1,2-Dibromo-3-chloropropan	12.66	75	337	0.403	ug/L #	79
67) 1,3,5-Trichlorobenzene	12.89	180	4928	0.489	ug/L	95
68) 1,2,4-trichlorobenzene	13.50	180	3884	0.460	ug/L	93
69) Naphthalene	13.75	128	5396	0.403	ug/L	96
70) 1,2,3-Trichlorobenzene	13.99	180	3496	0.445	ug/L	90

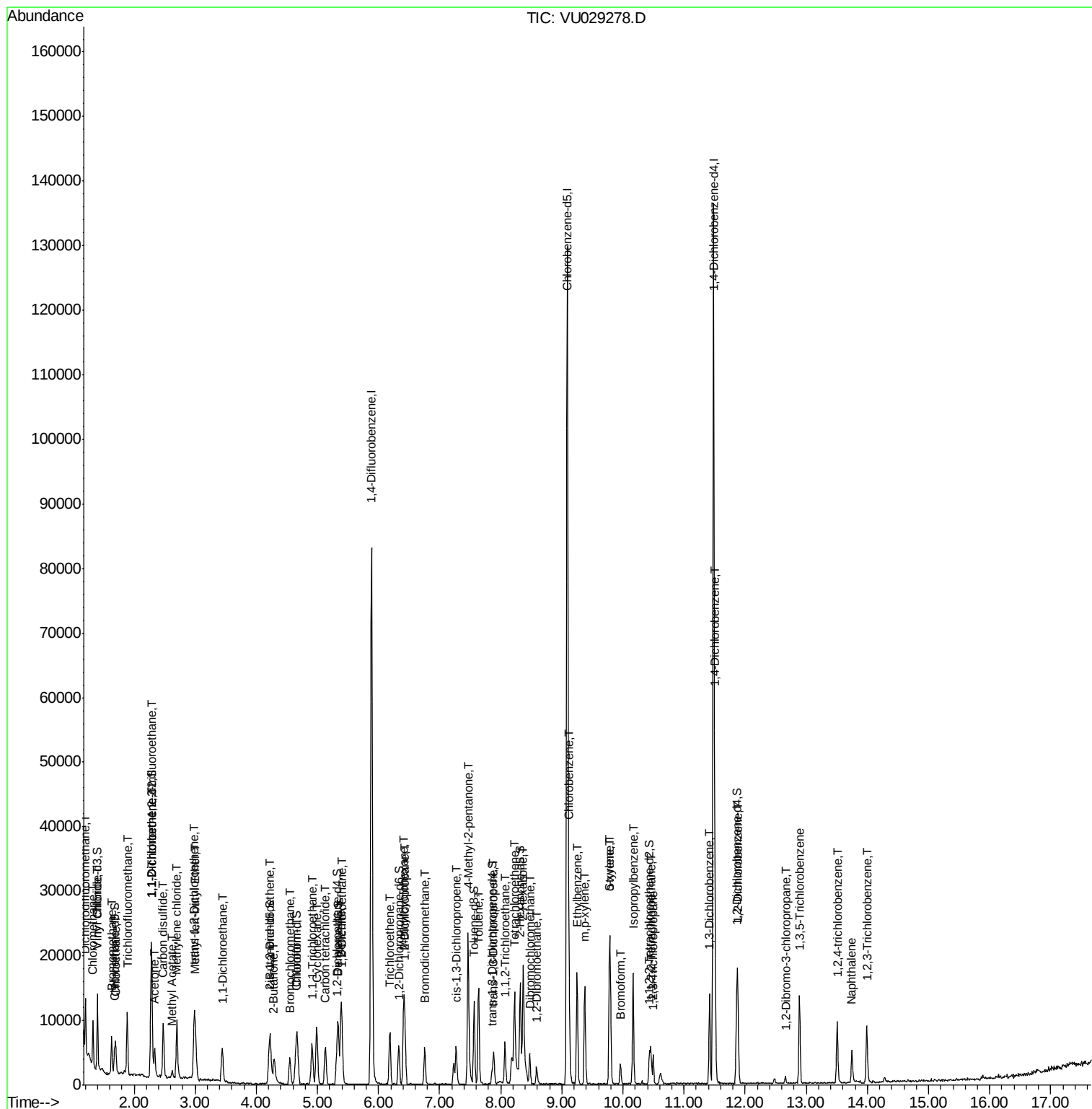
(#) = qualifier out of range (m) = manual integration (+) = signals summed

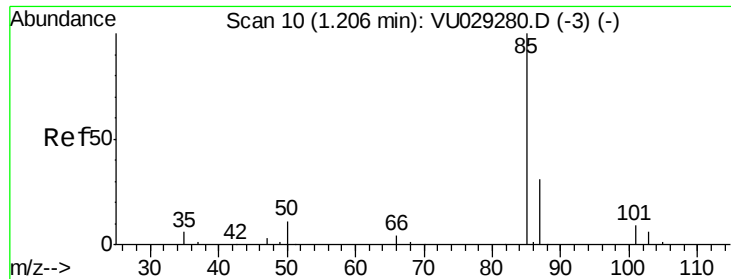
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#2

Dichlorodifluoromethane

Concen: 0.503 ug/L

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU029278.D

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Instrument :

MSVOA_U

ClientSampleId :

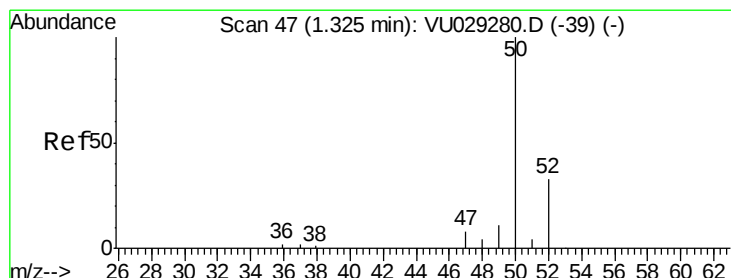
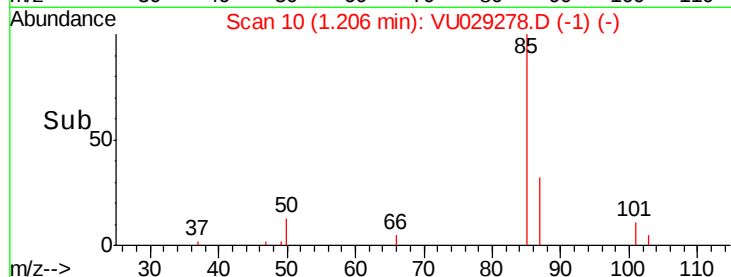
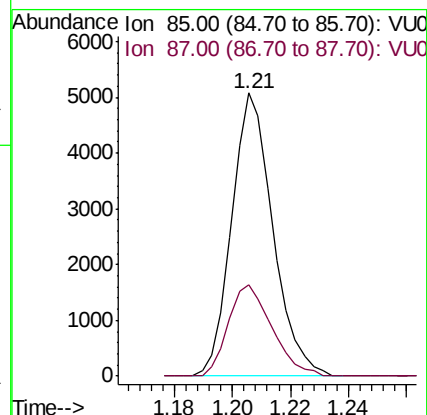
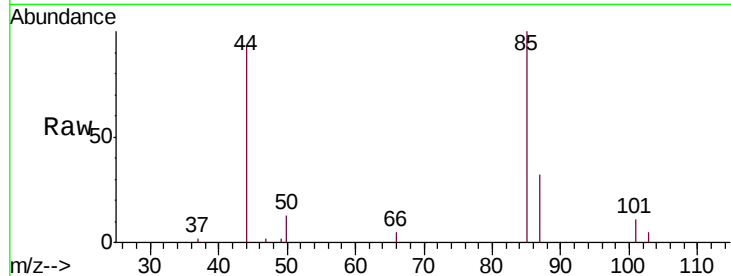
BFB42

Tgt Ion: 85 Resp: 4996

Ion Ratio Lower Upper

85 100

87 34.2 25.1 37.7



#3

Chloromethane

Concen: 0.530 ug/L

RT: 1.32 min Scan# 47

Delta R.T. -0.00 min

Lab File: VU029278.D

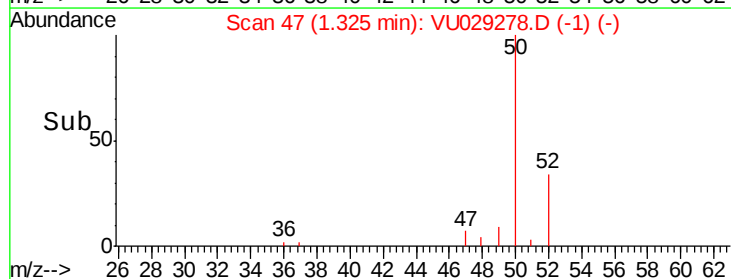
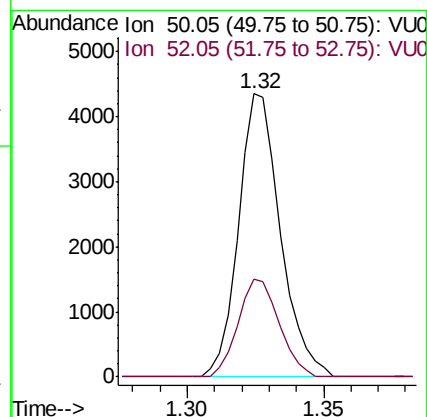
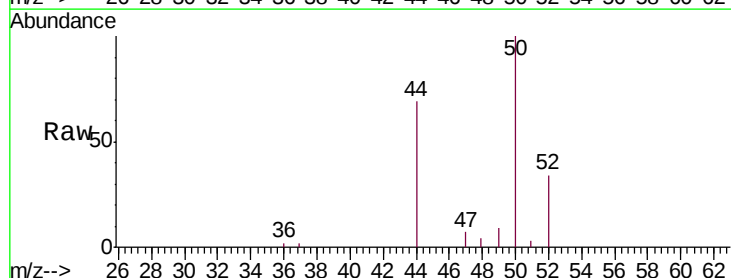
Acq: 25 Jan 2019 10:07

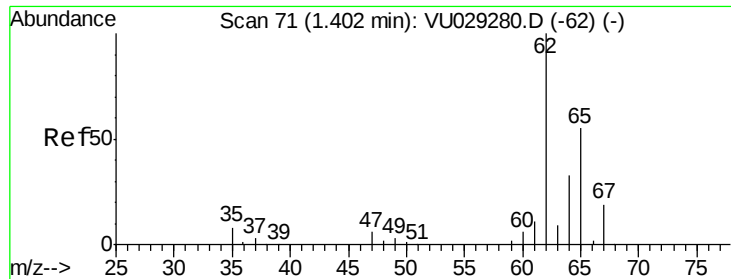
Tgt Ion: 50 Resp: 4615

Ion Ratio Lower Upper

50 100

52 34.4 22.9 42.5





#5

Vinyl chloride

Concen: 0.528 ug/L

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU029278.D

Acq: 25 Jan 2019 10:07

Instrument :

MSVOA_U

ClientSampleId :

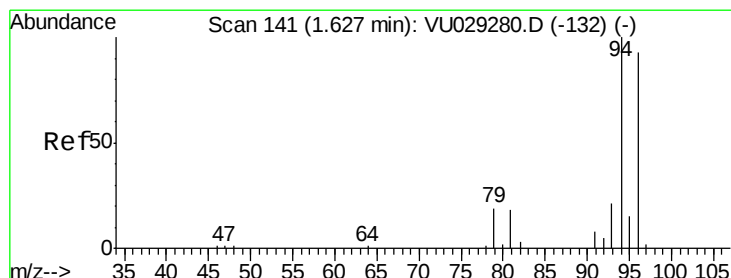
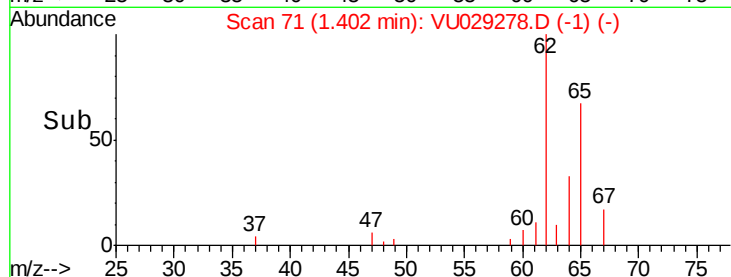
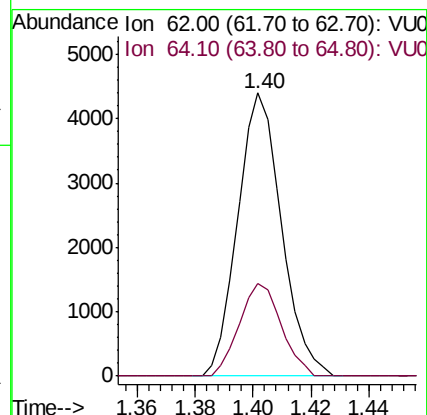
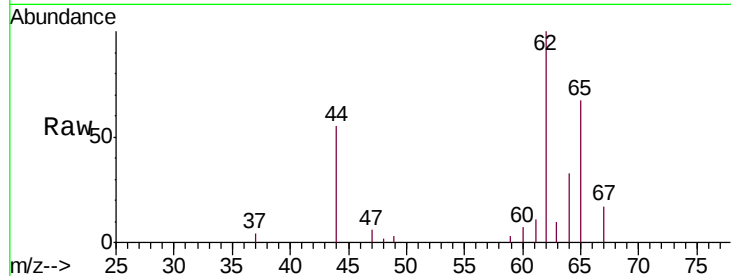
BFB42

Tgt Ion: 62 Resp: 4601

Ion Ratio Lower Upper

62 100

64 32.6 23.4 43.6



#6

Bromomethane

Concen: 0.508 ug/L

RT: 1.63 min Scan# 142

Delta R.T. 0.00 min

Lab File: VU029278.D

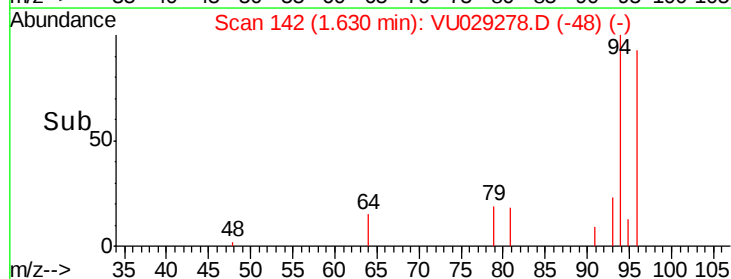
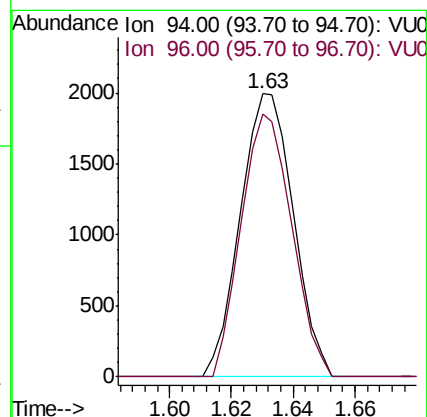
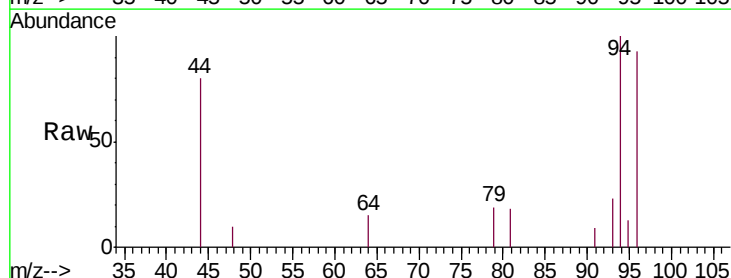
Acq: 25 Jan 2019 10:07

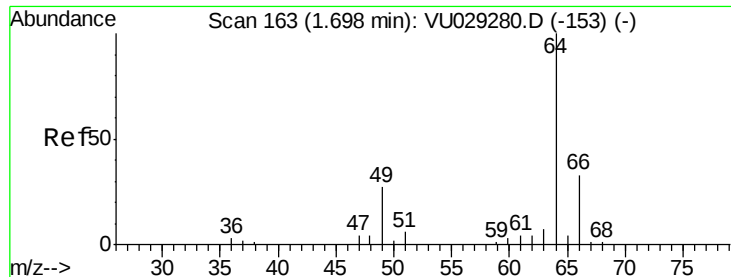
Tgt Ion: 94 Resp: 2381

Ion Ratio Lower Upper

94 100

96 93.0 65.2 121.0





#8

Chloroethane

Concen: 0.609 ug/L

RT: 1.70 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU029278.D

Acq: 25 Jan 2019 10:07

Instrument :

MSVOA_U

ClientSampled :

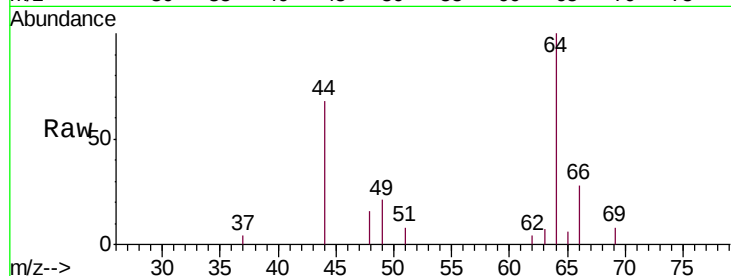
BFB42

Tgt Ion: 64 Resp: 2966

Ion Ratio Lower Upper

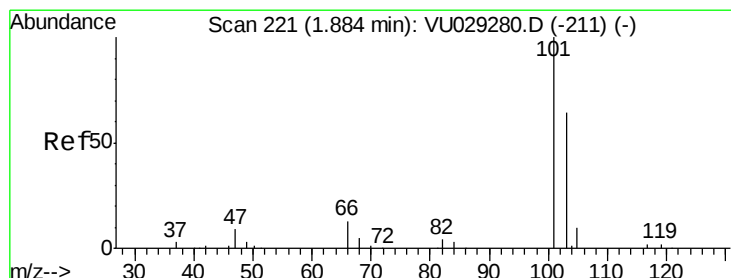
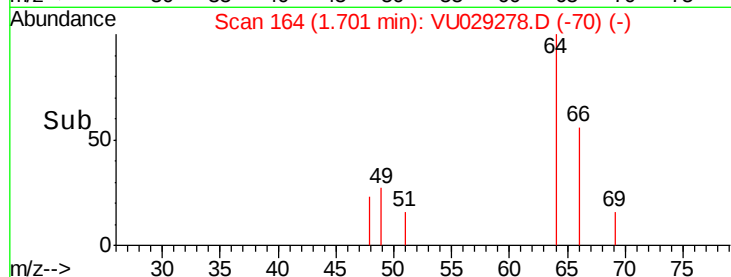
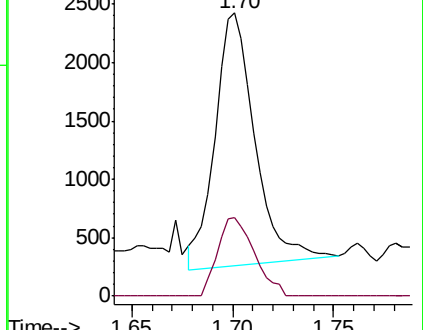
64 100

66 27.7 22.7 42.1



Abundance Ion 64.10 (63.80 to 64.80): VU029278.D (-153) (-)

Ion 66.05 (65.75 to 66.75): VU029278.D (-153) (-)



#9

Trichlorofluoromethane

Concen: 0.505 ug/L

RT: 1.89 min Scan# 222

Delta R.T. 0.00 min

Lab File: VU029278.D

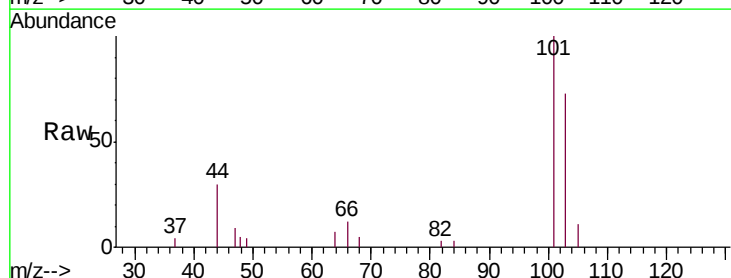
Acq: 25 Jan 2019 10:07

Tgt Ion: 101 Resp: 5848

Ion Ratio Lower Upper

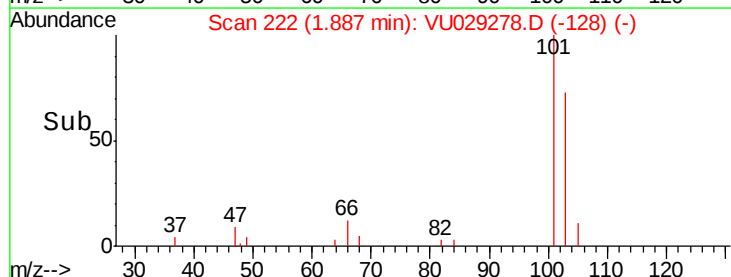
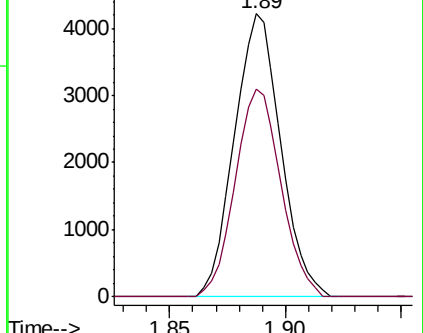
101 100

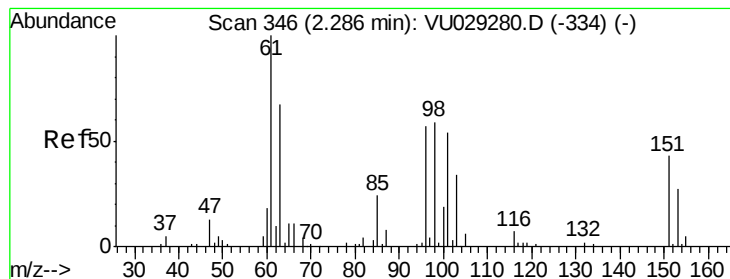
103 72.3 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VU029278.D (-211) (-)

Ion 103.00 (102.70 to 103.70): VU029278.D (-211) (-)





#10

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

Concen: 0.530 ug/L

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU029278.D

Acq: 25 Jan 2019 10:07

Instrument :

MSVOA_U

ClientSampled :

BFB42

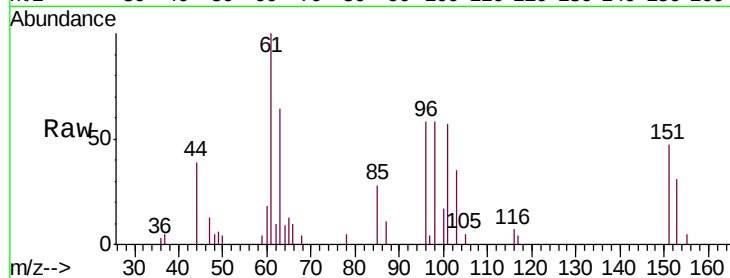
Tgt Ion: 101 Resp: 3120

Ion Ratio Lower Upper

101 100

85 44.7 36.2 54.2

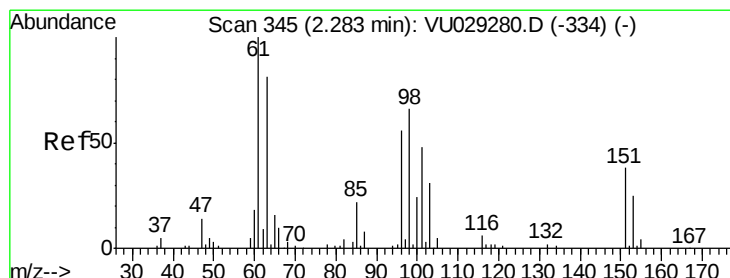
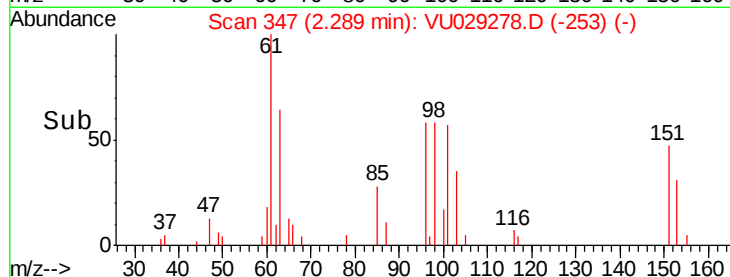
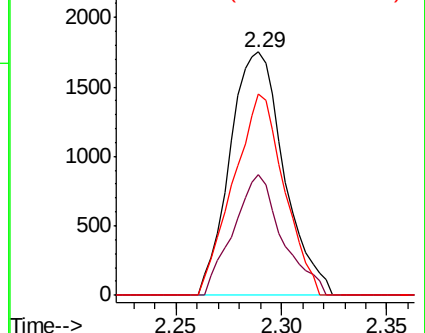
151 77.7 64.5 96.7



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: 0.522 ug/L

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU029278.D

Acq: 25 Jan 2019 10:07

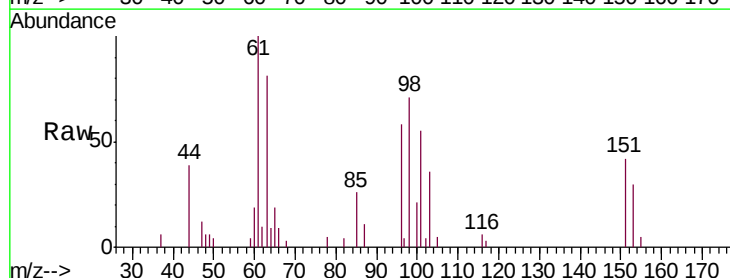
Tgt Ion: 96 Resp: 2836

Ion Ratio Lower Upper

96 100

61 171.1 125.4 233.0

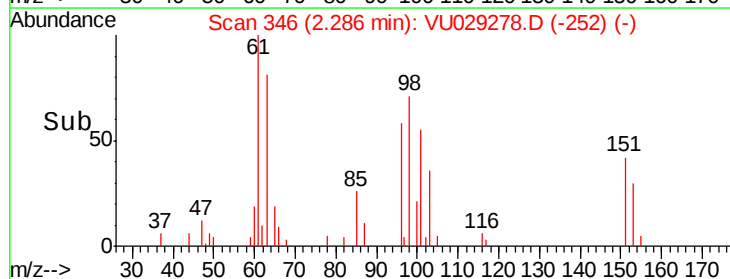
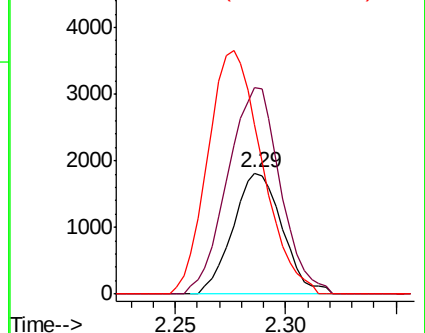
63 139.4 105.8 196.4

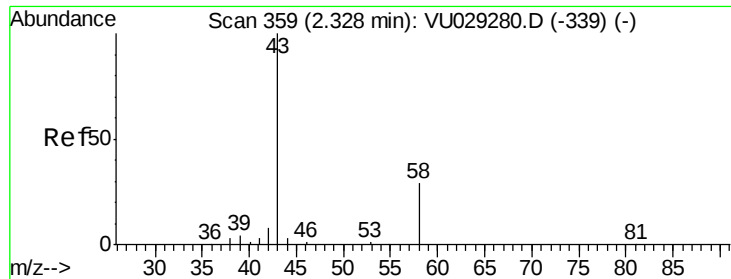


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 5.345 ug/L

RT: 2.34 min Scan# 362

Delta R.T. 0.01 min

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Instrument :

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ClientSampled :

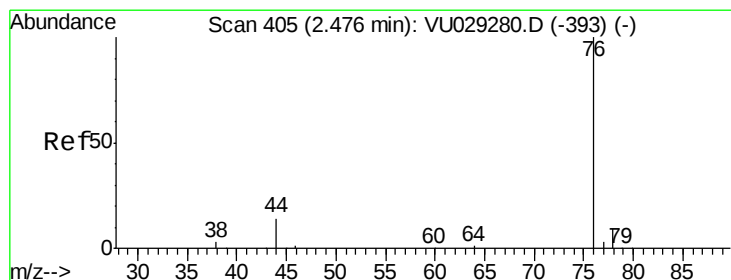
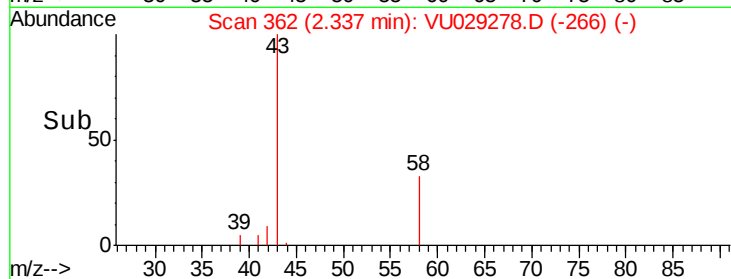
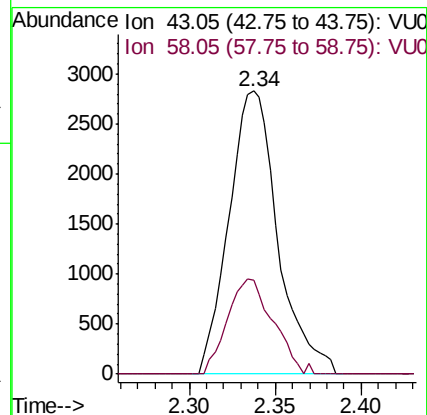
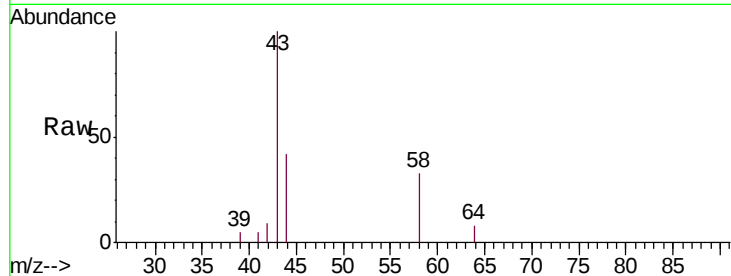
BFB42

Tgt Ion: 43 Resp: 5610

Ion Ratio Lower Upper

43 100

58 31.4 0.0 58.8



#14

Carbon disulfide

Concen: 0.534 ug/L

RT: 2.48 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU029278.D

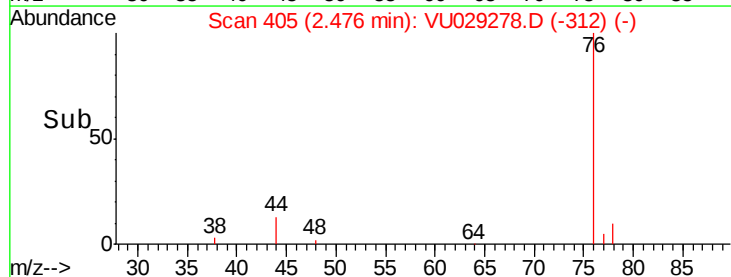
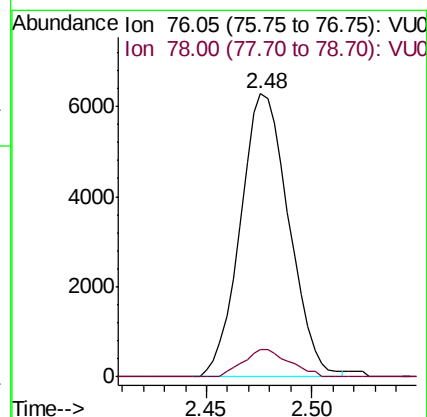
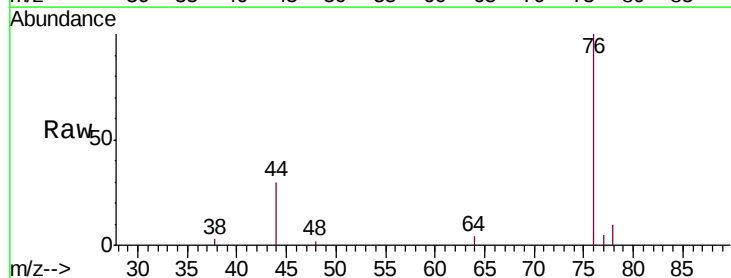
Acq: 25 Jan 2019 10:07

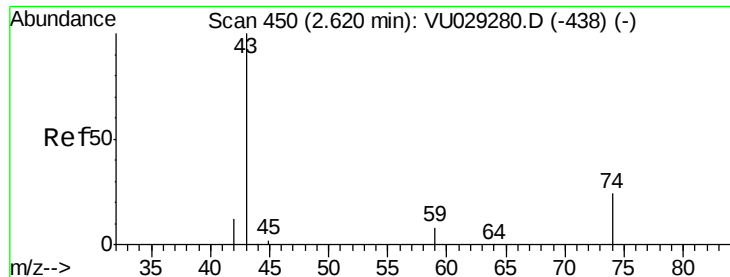
Tgt Ion: 76 Resp: 10046

Ion Ratio Lower Upper

76 100

78 9.8 7.1 10.7





#15

Methyl Acetate

Concen: 0.561 ug/L

RT: 2.62 min Scan# 451

Delta R.T. 0.00 min

Lab File: VU029278.D

Acq: 25 Jan 2019 10:07

Instrument :

MSVOA_U

ClientSampled :

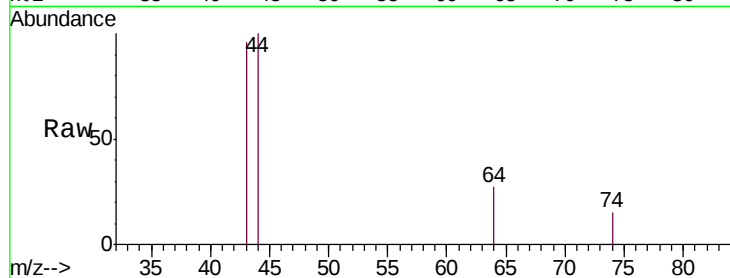
BFB42

Tgt Ion: 43 Resp: 1411

Ion Ratio Lower Upper

43 100

74 10.1 19.5 29.3#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0

2.62

800

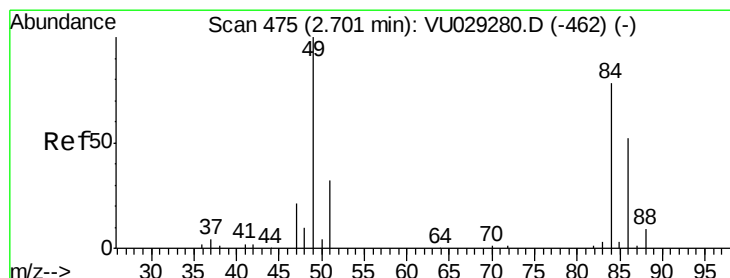
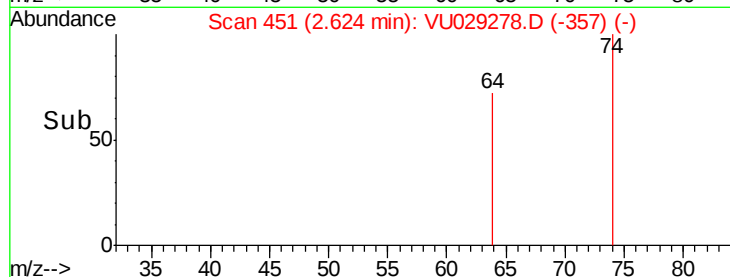
600

400

200

0

Time-->



#16

Methylene chloride

Concen: 0.624 ug/L

RT: 2.70 min Scan# 475

Delta R.T. -0.00 min

Lab File: VU029278.D

Acq: 25 Jan 2019 10:07

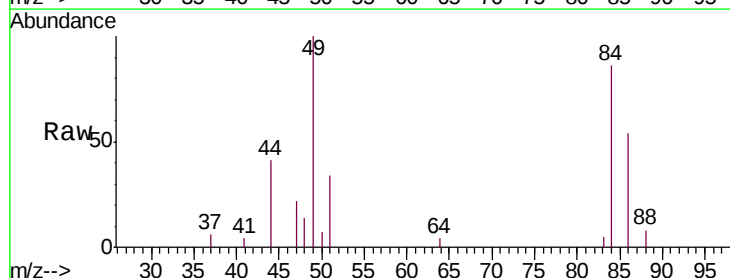
Tgt Ion: 84 Resp: 3975

Ion Ratio Lower Upper

84 100

86 63.4 46.1 85.7

49 116.7 89.3 165.9



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

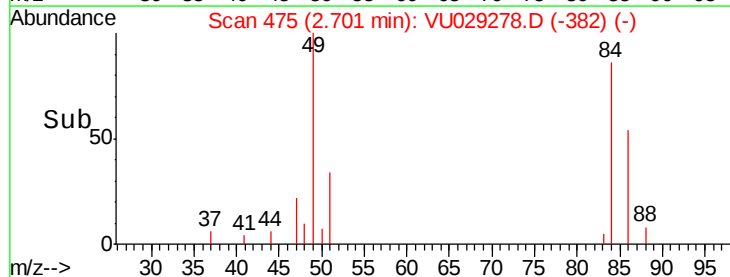
3000

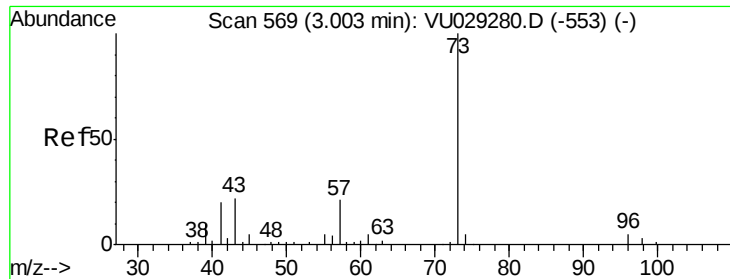
2000

1000

0

Time-->

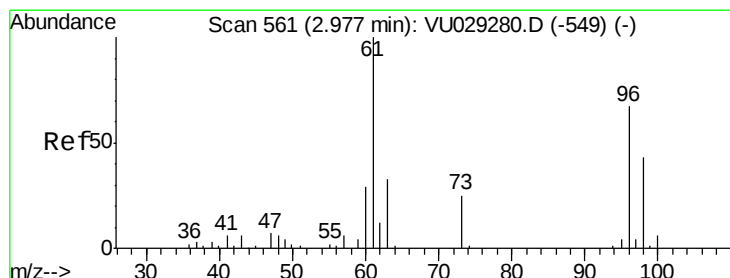
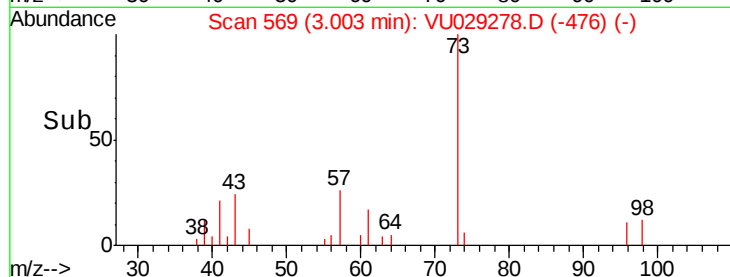
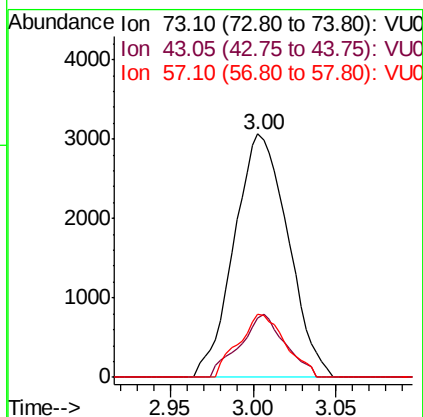
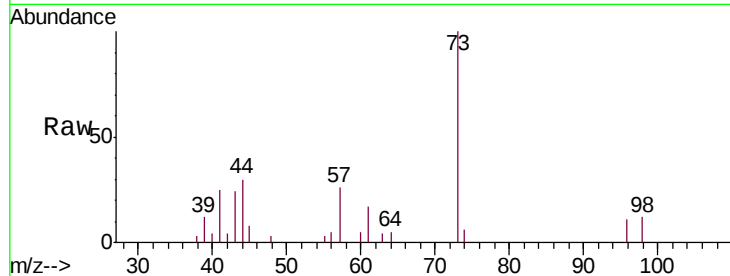




#17
Methyl tert-butyl Ether
Concen: 0.489 ug/L
RT: 3.00 min Scan# 569
Delta R.T. -0.00 min
Lab File: VU029278.D
Acq: 25 Jan 2019 10:07

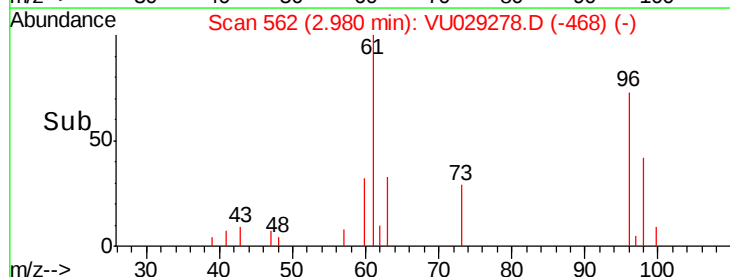
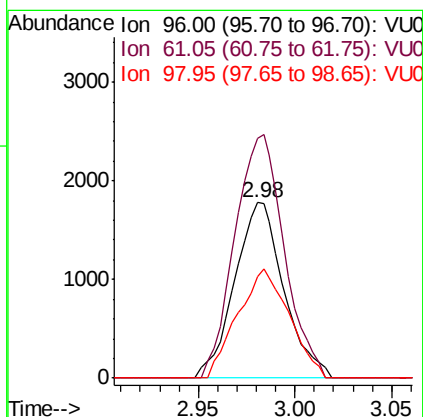
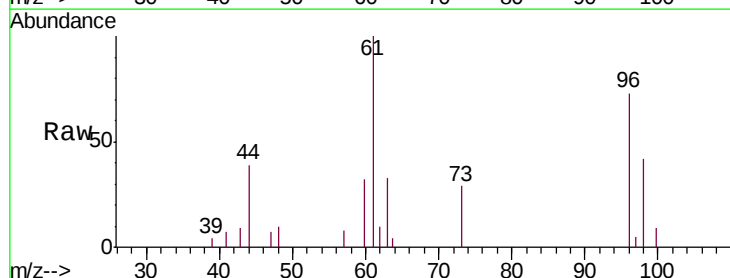
Instrument :
MSVOA_U
ClientSampleId :
BFB42

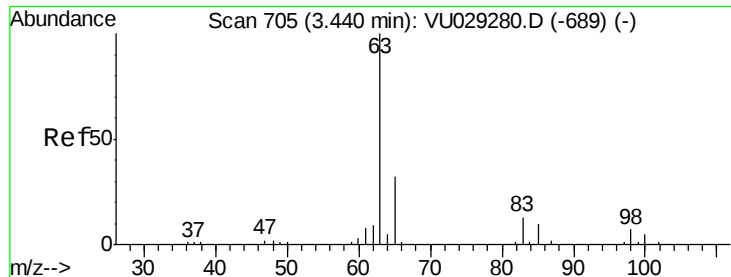
Tgt Ion: 73 Resp: 6893
Ion Ratio Lower Upper
73 100
43 21.9 17.4 26.2
57 22.6 17.1 25.7



#18
trans-1,2-Dichloroethene
Concen: 0.532 ug/L
RT: 2.98 min Scan# 562
Delta R.T. 0.00 min
Lab File: VU029278.D
Acq: 25 Jan 2019 10:07

Tgt Ion: 96 Resp: 3136
Ion Ratio Lower Upper
96 100
61 136.9 104.4 194.0
98 58.0 45.4 84.2

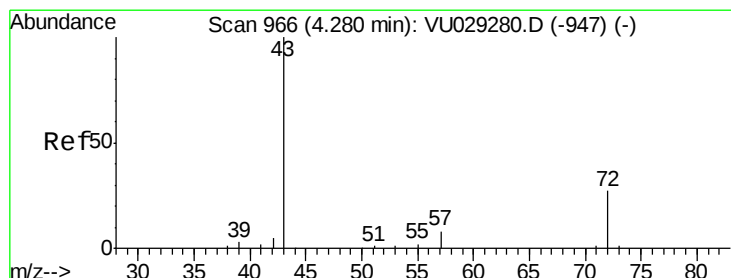
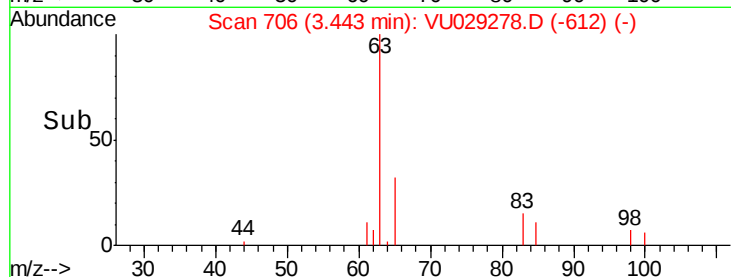
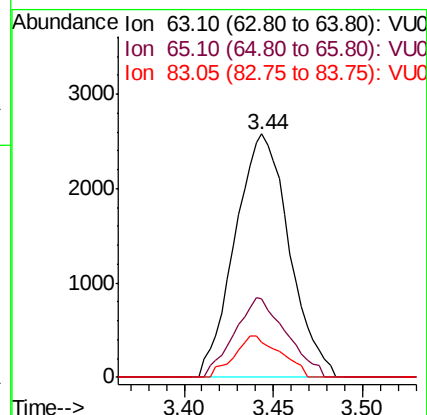
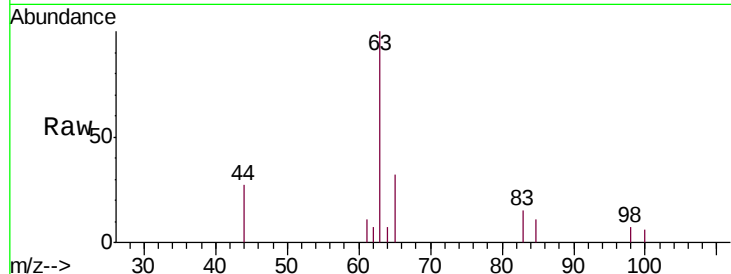




#19
 1,1-Dichloroethane
 Concen: 0.519 ug/L
 RT: 3.44 min Scan# 706
 Delta R.T. 0.00 min
 Lab File: VU029278.D
 Acq: 25 Jan 2019 10:07

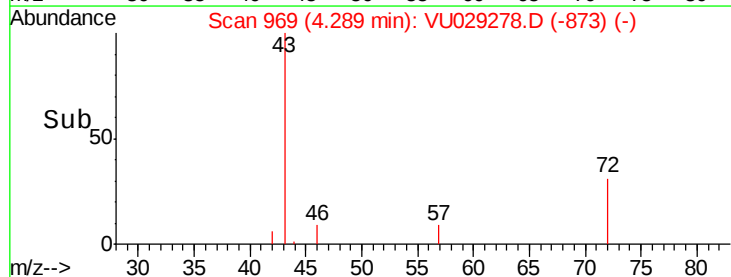
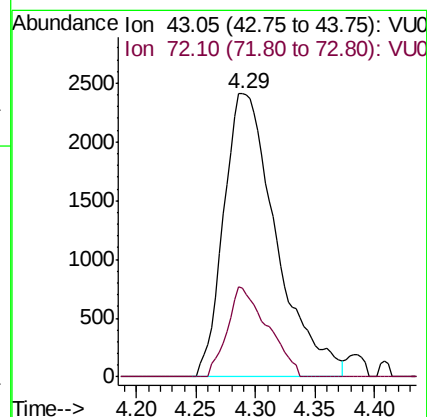
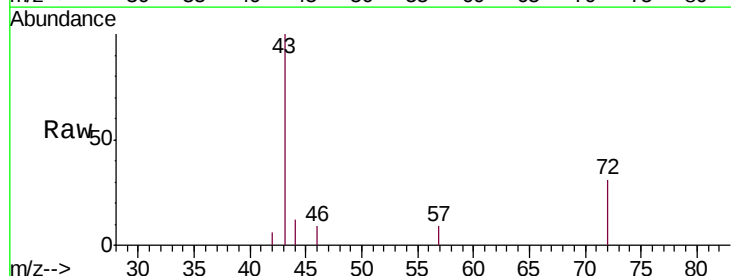
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB42

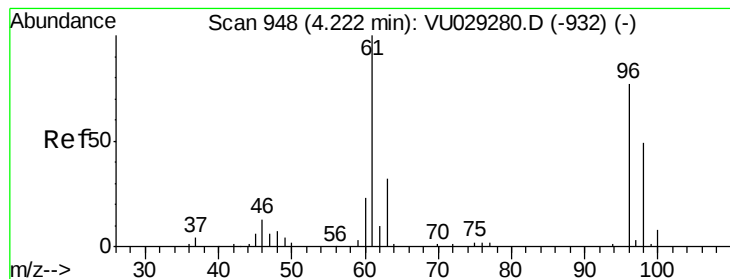
Tgt Ion: 63 Resp: 5453
 Ion Ratio Lower Upper
 63 100
 65 32.1 22.7 42.1
 83 14.5 9.4 17.6



#21
 2-Butanone
 Concen: 4.848 ug/L
 RT: 4.29 min Scan# 969
 Delta R.T. 0.01 min
 Lab File: VU029278.D
 Acq: 25 Jan 2019 10:07

Tgt Ion: 43 Resp: 7365
 Ion Ratio Lower Upper
 43 100
 72 24.4 13.4 40.2



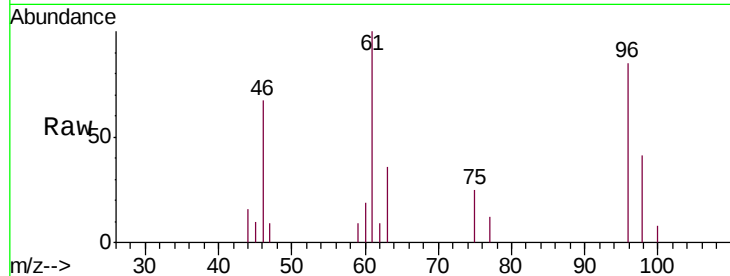


#22

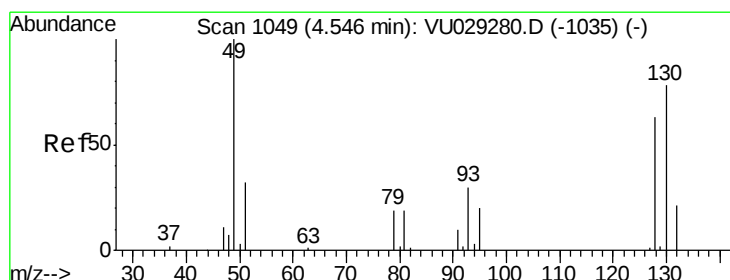
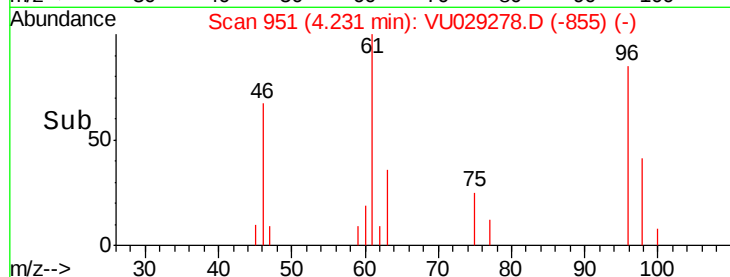
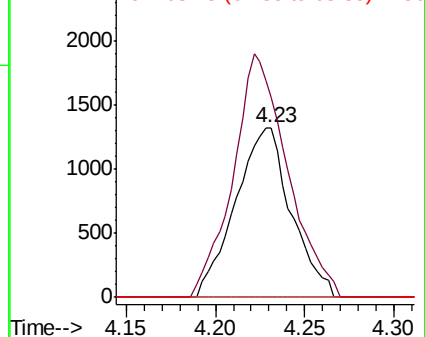
cis-1,2-Dichloroethene
 Concen: 0.486 ug/L
 RT: 4.23 min Scan# 951
 Delta R.T. 0.01 min
 Lab File: VU029278.D
 Acq: 25 Jan 2019 10:07

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB42

Tgt Ion: 96 Resp: 2878
 Ion Ratio Lower Upper
 96 100
 61 118.0 90.7 168.5
 68 0.0 0.0 0.0



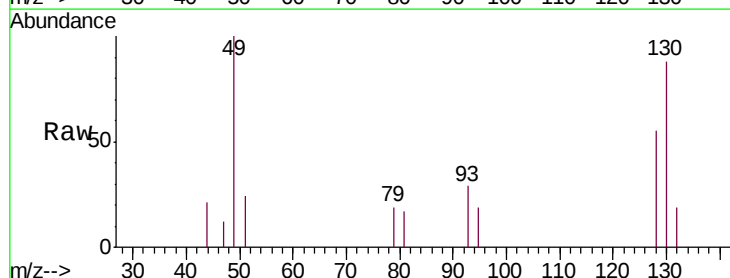
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



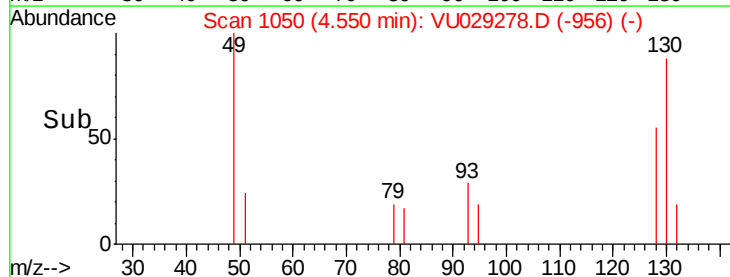
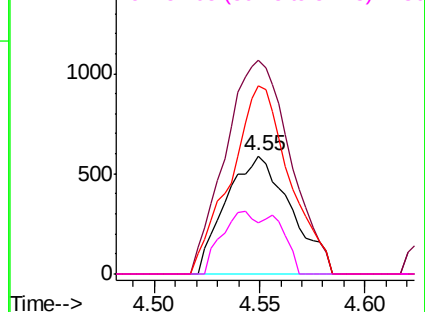
#23

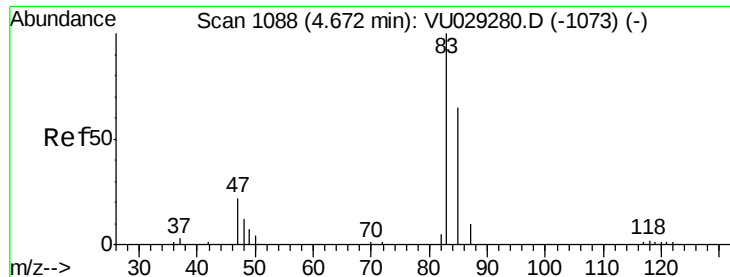
Bromochloromethane
 Concen: 0.468 ug/L
 RT: 4.55 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VU029278.D
 Acq: 25 Jan 2019 10:07

Tgt Ion: 128 Resp: 1259
 Ion Ratio Lower Upper
 128 100
 49 180.7 111.4 206.8
 130 159.5 87.1 161.7
 51 43.2 40.2 60.2



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

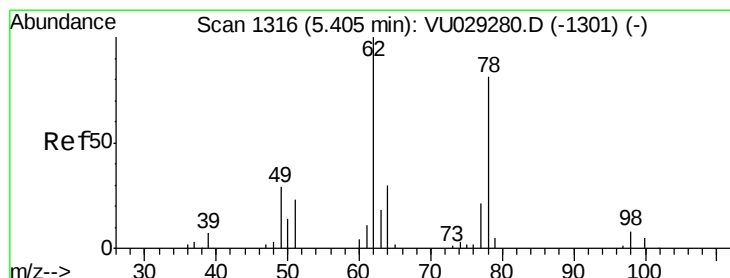
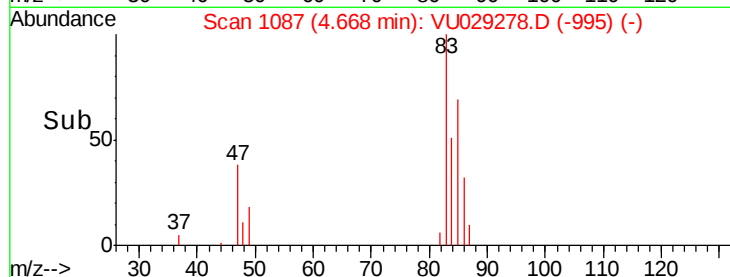
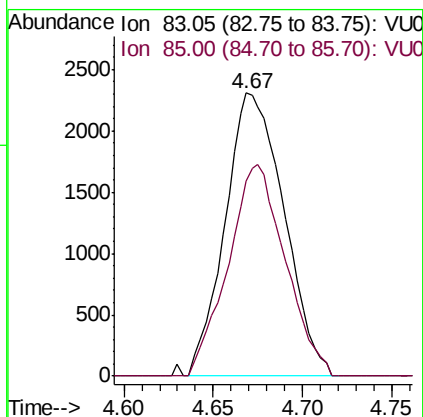
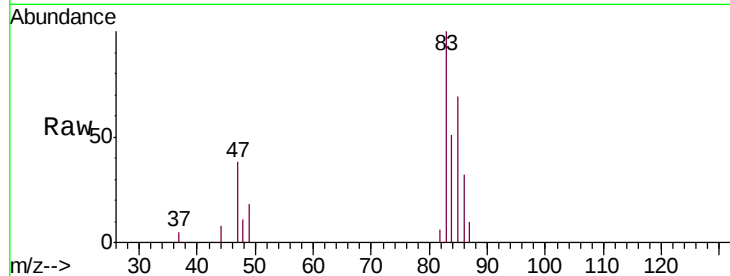




#25
Chloroform
Concen: 0.482 ug/L
RT: 4.67 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VU029278.D
Acq: 25 Jan 2019 10:07

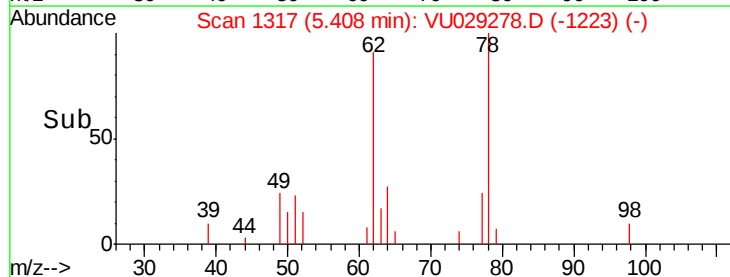
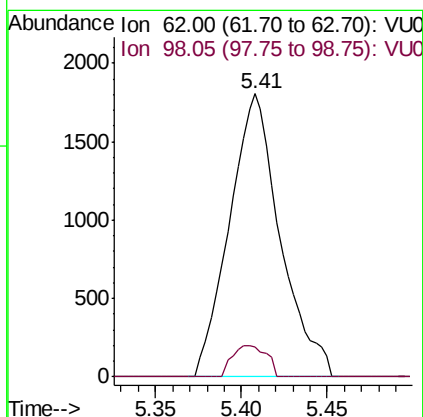
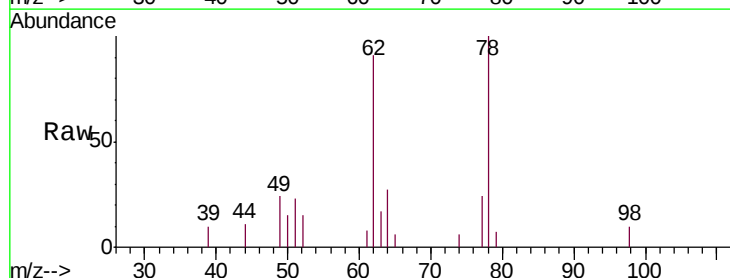
Instrument :
MSVOA_U
ClientSampleId :
BFB42

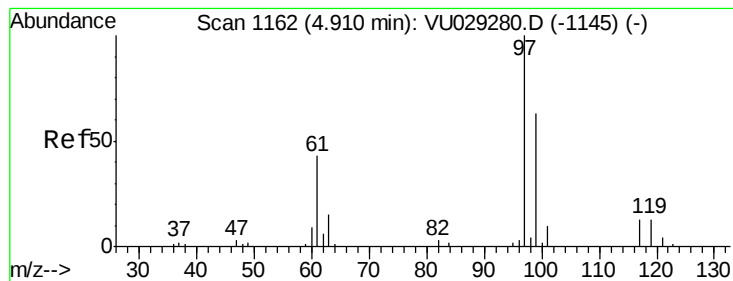
Tgt Ion: 83 Resp: 5306
Ion Ratio Lower Upper
83 100
85 68.8 46.1 85.7



#27
1,2-Dichloroethane
Concen: 0.492 ug/L
RT: 5.41 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VU029278.D
Acq: 25 Jan 2019 10:07

Tgt Ion: 62 Resp: 3711
Ion Ratio Lower Upper
62 100
98 10.8 6.6 10.0#





#29

1,1,1-Trichloroethane

Concen: 0.540 ug/L

RT: 4.91 min Scan# 1163

Delta R.T. 0.00 min

Lab File: VU029278.D

Acq: 25 Jan 2019 10:07

Instrument :

MSVOA_U

ClientSampleId :

BFB42

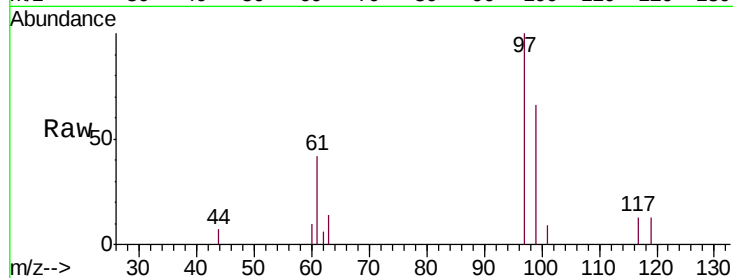
Tgt Ion: 97 Resp: 5296

Ion Ratio Lower Upper

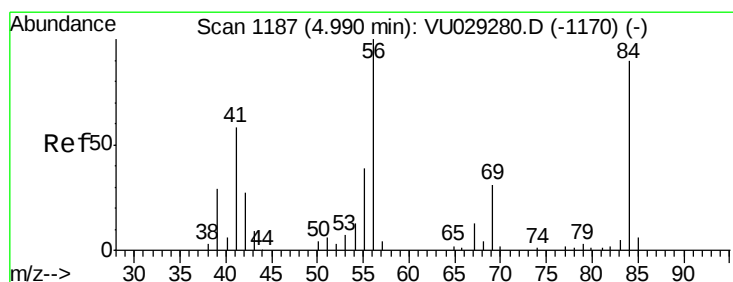
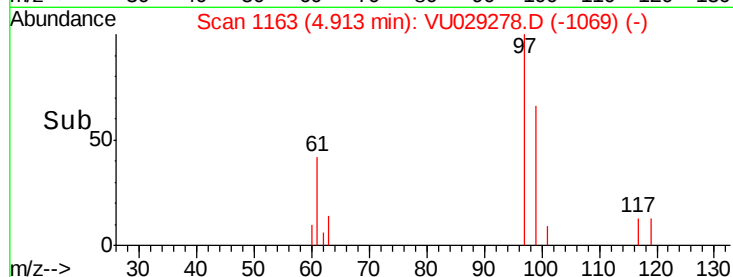
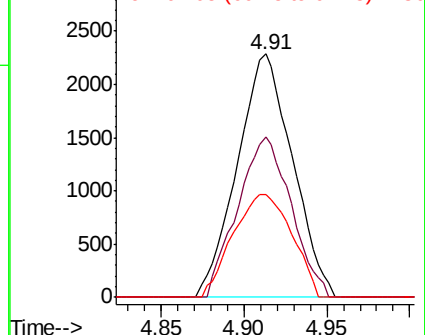
97 100

99 63.8 49.8 74.8

61 45.0 35.0 52.6



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



#30

Cyclohexane

Concen: 0.487 ug/L

RT: 4.99 min Scan# 1186

Delta R.T. -0.00 min

Lab File: VU029278.D

Acq: 25 Jan 2019 10:07

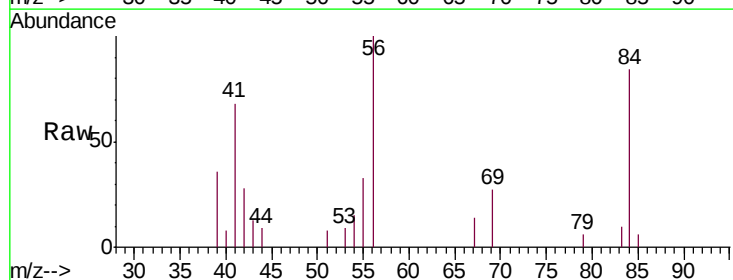
Tgt Ion: 56 Resp: 4298

Ion Ratio Lower Upper

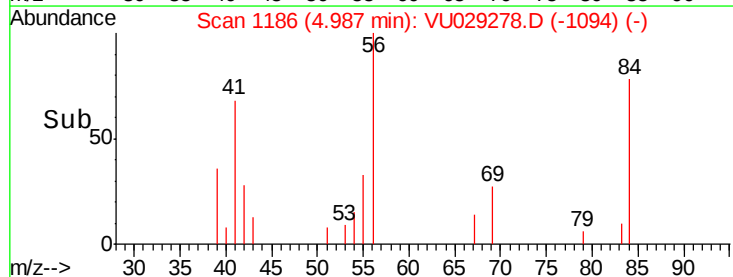
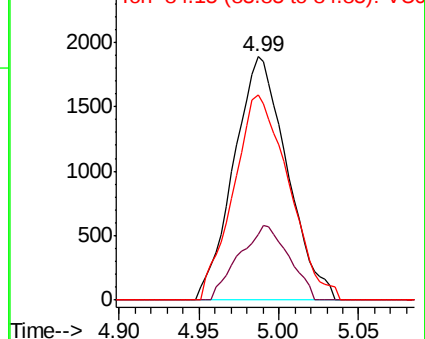
56 100

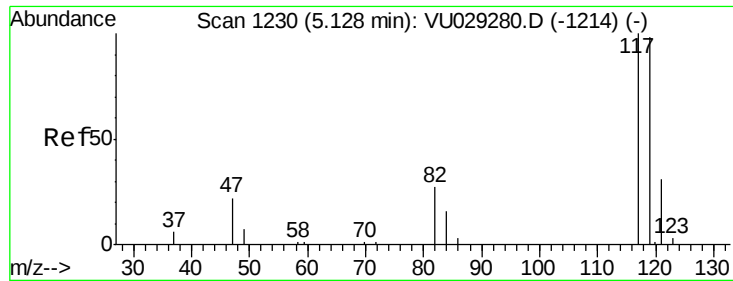
69 28.8 24.2 36.2

84 87.5 72.3 108.5



Abundance Ion 56.10 (55.80 to 56.80): VU0
Ion 69.15 (68.85 to 69.85): VU0
Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 0.475 ug/L

RT: 5.13 min Scan# 1231

Delta R.T. 0.00 min

Lab File: VU029278.D

Acq: 25 Jan 2019 10:07

Instrument :

MSVOA_U

ClientSampleId :

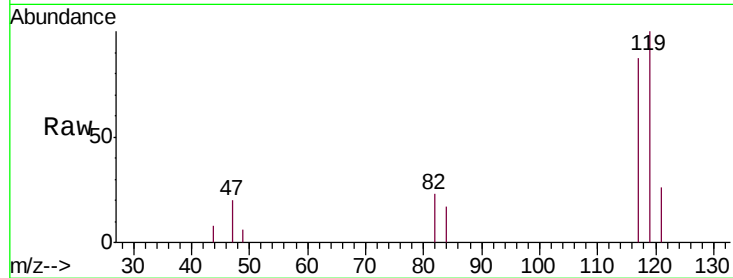
BFB42

Tgt Ion:117 Resp: 3972

Ion Ratio Lower Upper

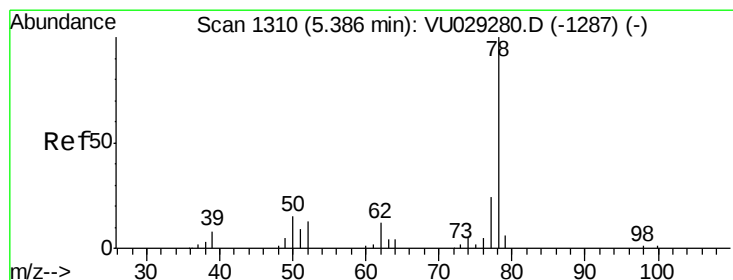
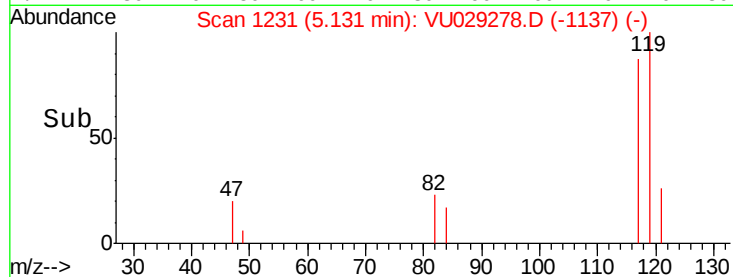
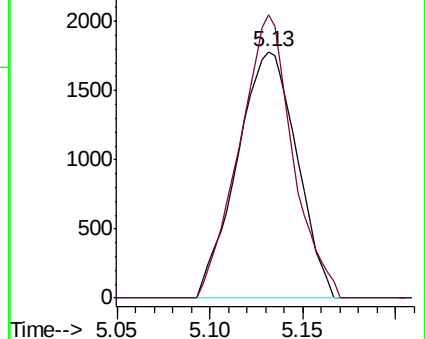
117 100

119 102.9 76.1 114.1



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.501 ug/L

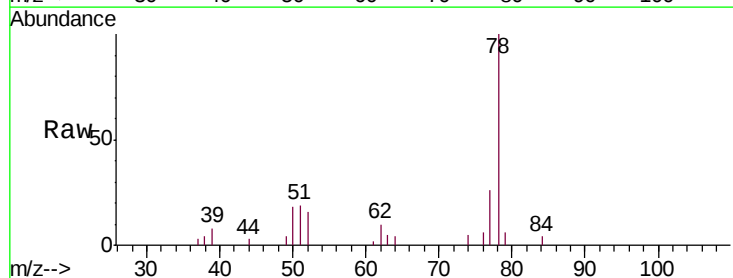
RT: 5.39 min Scan# 1310

Delta R.T. -0.00 min

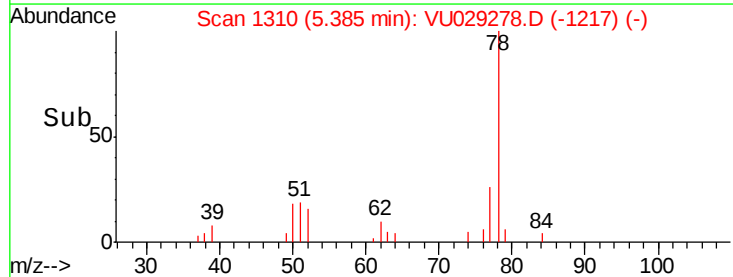
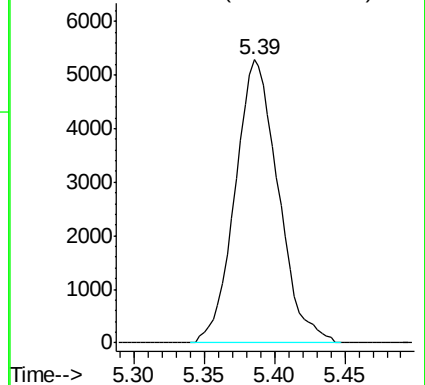
Lab File: VU029278.D

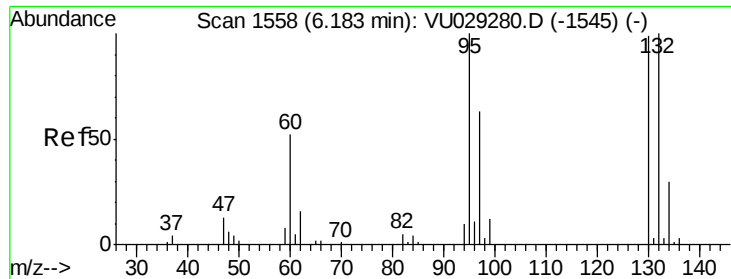
Acq: 25 Jan 2019 10:07

Tgt Ion: 78 Resp: 11320



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 0.516 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU029278.D

Acq: 25 Jan 2019 10:07

Instrument :

MSVOA_U

ClientSampleId :

BFB42

Tgt Ion: 95 Resp: 3084

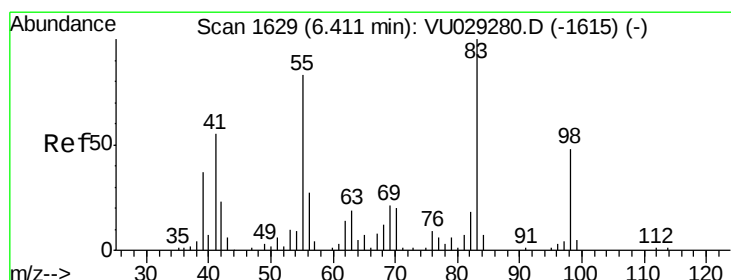
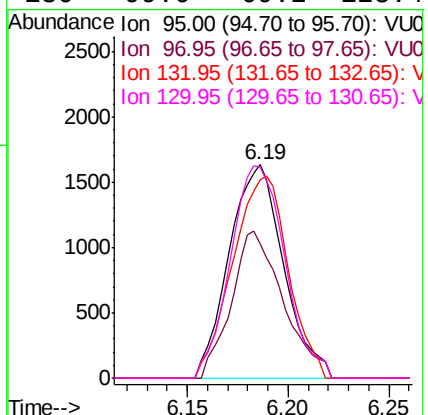
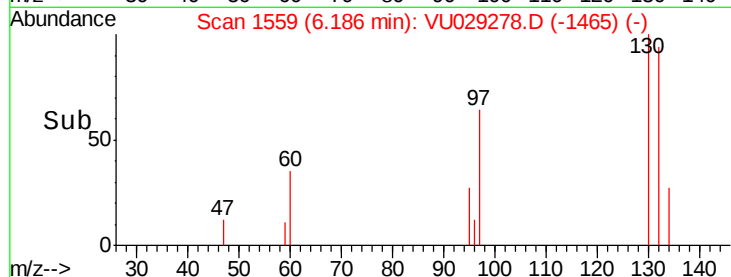
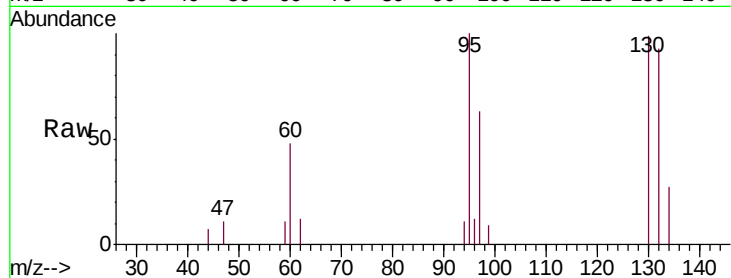
Ion Ratio Lower Upper

95 100

97 63.0 44.3 82.3

132 92.7 69.9 129.9

130 99.0 69.2 128.4



#35

Methylcyclohexane

Concen: 0.501 ug/L

RT: 6.41 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VU029278.D

Acq: 25 Jan 2019 10:07

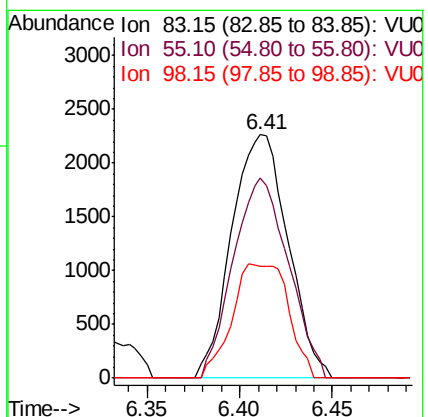
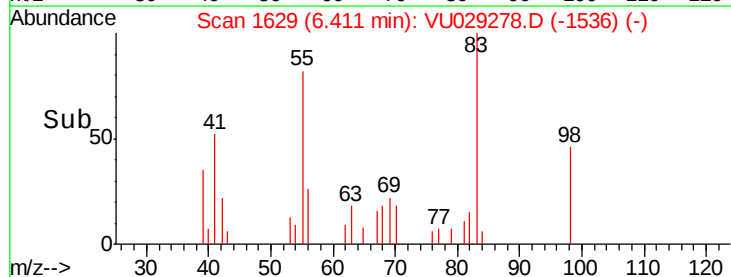
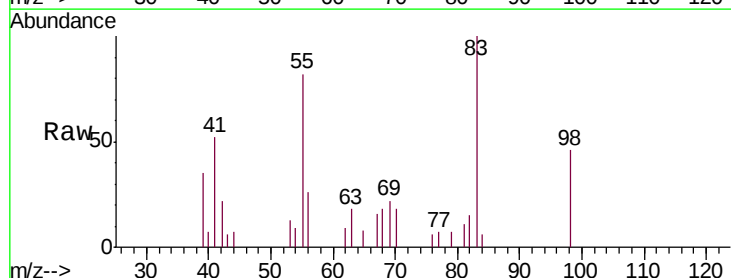
Tgt Ion: 83 Resp: 4788

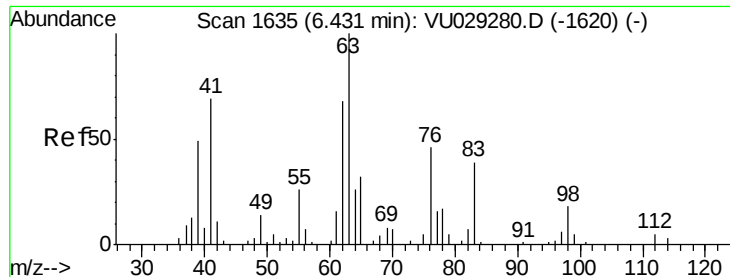
Ion Ratio Lower Upper

83 100

55 80.5 66.3 99.5

98 46.6 37.9 56.9

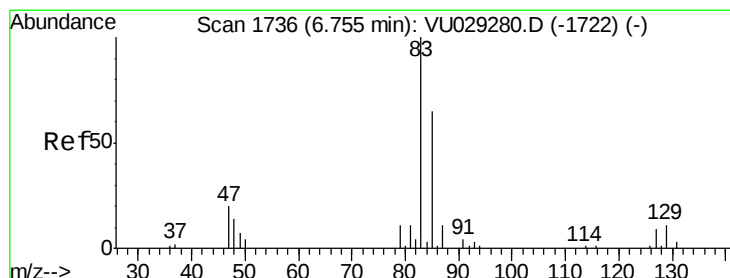
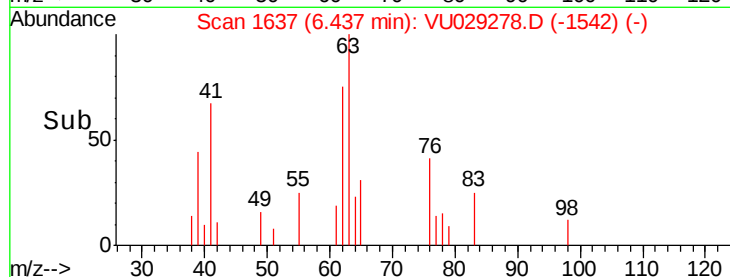
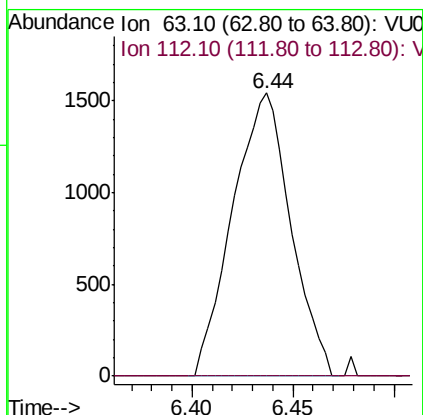
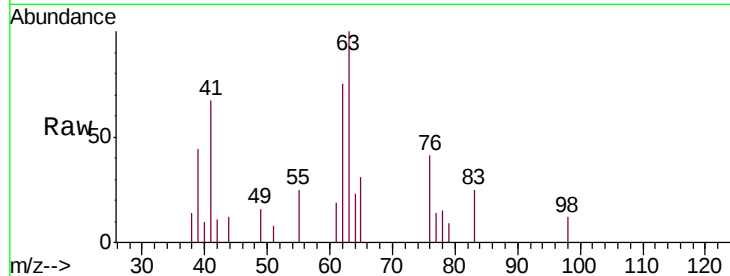




#37
 1,2-Dichloropropane
 Concen: 0.521 ug/L
 RT: 6.44 min Scan# 1637
 Delta R.T. 0.01 min
 Lab File: VU029278.D
 Acq: 25 Jan 2019 10:07

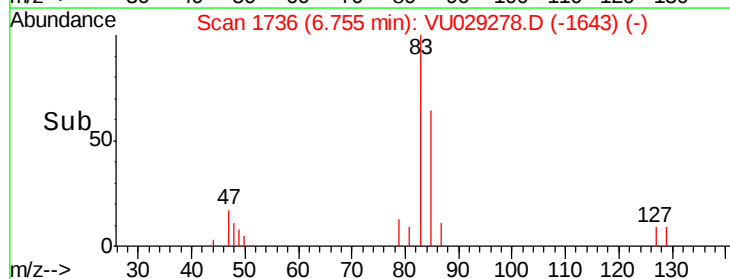
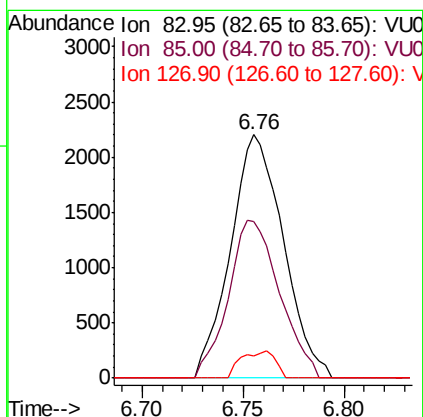
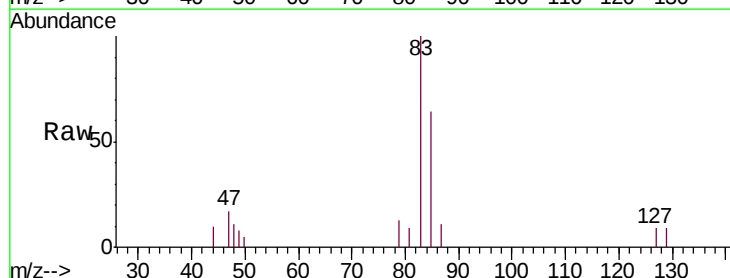
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB42

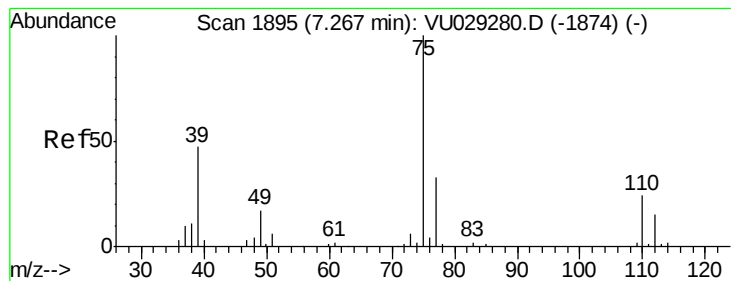
Tgt Ion: 63 Resp: 3103
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.9 5.9#



#38
 Bromodichloromethane
 Concen: 0.512 ug/L
 RT: 6.76 min Scan# 1736
 Delta R.T. -0.00 min
 Lab File: VU029278.D
 Acq: 25 Jan 2019 10:07

Tgt Ion: 83 Resp: 4035
 Ion Ratio Lower Upper
 83 100
 85 64.2 45.3 84.1
 127 9.3 7.1 10.7



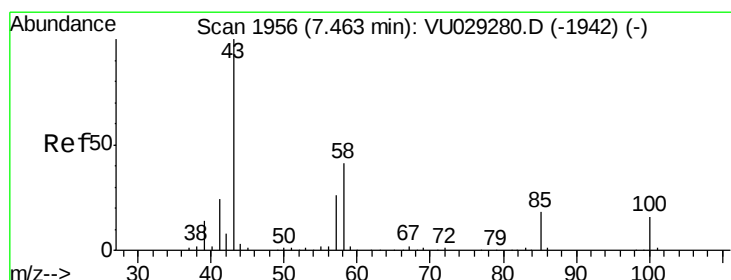
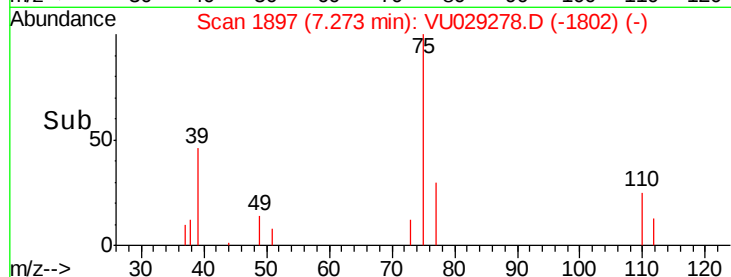
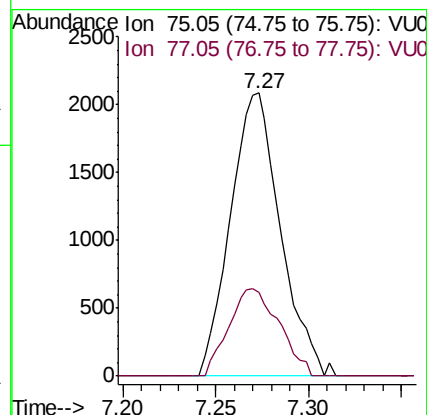
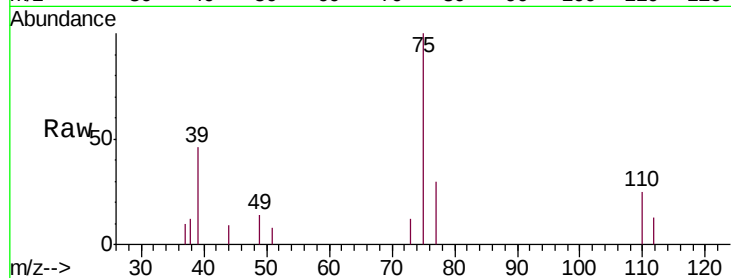


#39

cis-1,3-Dichloropropene
Concen: 0.457 ug/L
RT: 7.27 min Scan# 1897
Delta R.T. 0.01 min
Lab File: VU029278.D
Acq: 25 Jan 2019 10:07

Instrument :
MSVOA_U
ClientSampleId :
BFB42

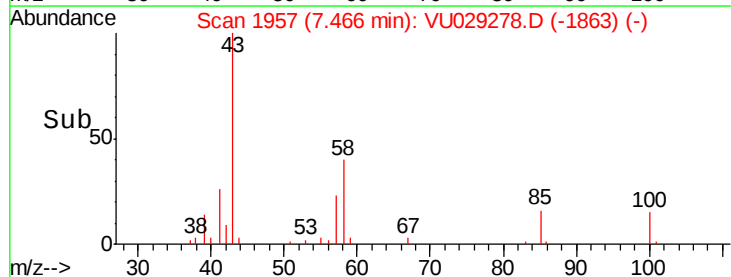
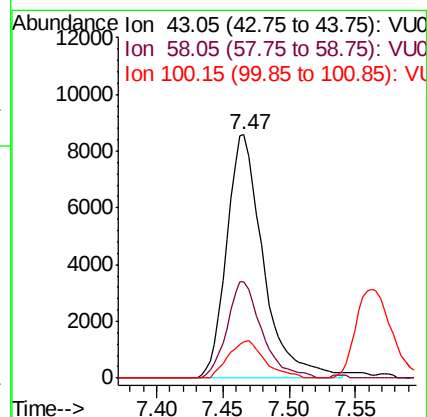
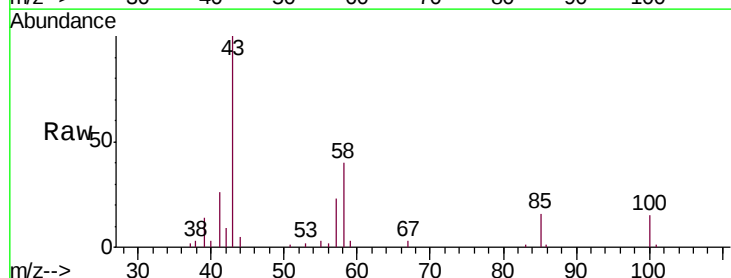
Tgt Ion: 75 Resp: 3916
Ion Ratio Lower Upper
75 100
77 29.7 23.2 43.0

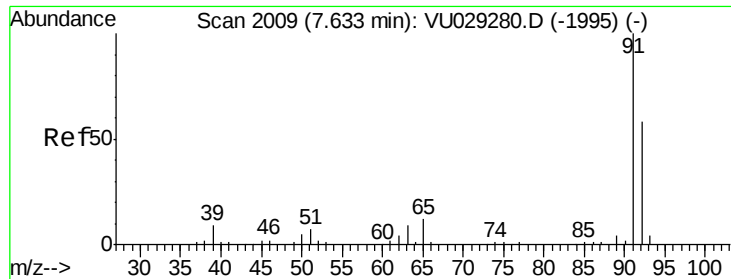


#40

4-Methyl-2-pentanone
Concen: 4.592 ug/L
RT: 7.47 min Scan# 1957
Delta R.T. 0.00 min
Lab File: VU029278.D
Acq: 25 Jan 2019 10:07

Tgt Ion: 43 Resp: 16509
Ion Ratio Lower Upper
43 100
58 37.5 31.8 47.6
100 15.2 12.4 18.6





#42

Toluene

Concen: 0.479 ug/L

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU029278.D

Acq: 25 Jan 2019 10:07

Instrument :

MSVOA_U

ClientSampleId :

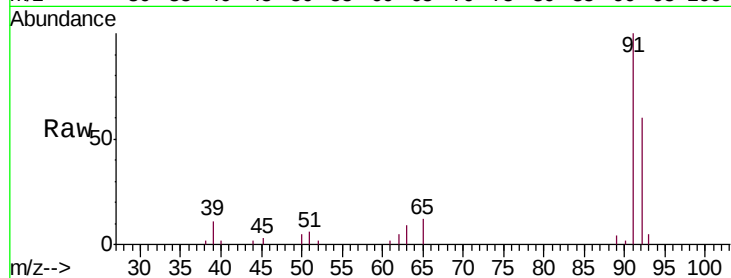
BFB42

Tgt Ion: 91 Resp: 11660

Ion Ratio Lower Upper

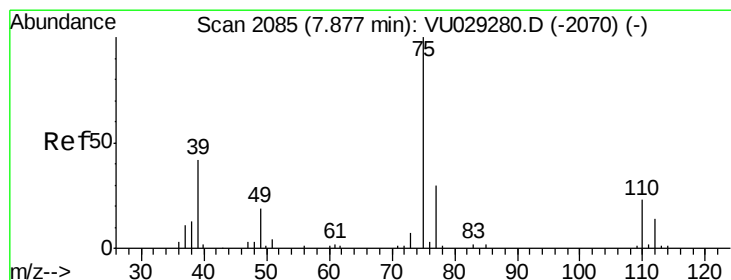
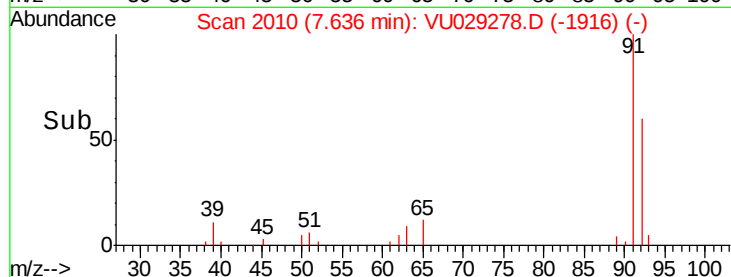
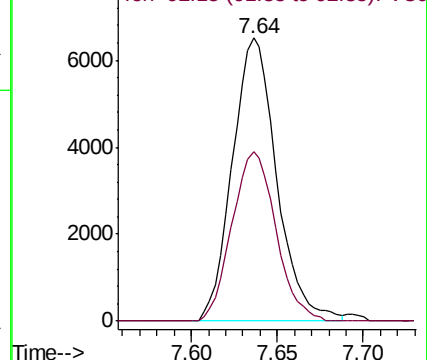
91 100

92 59.9 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.465 ug/L

RT: 7.88 min Scan# 2087

Delta R.T. 0.01 min

Lab File: VU029278.D

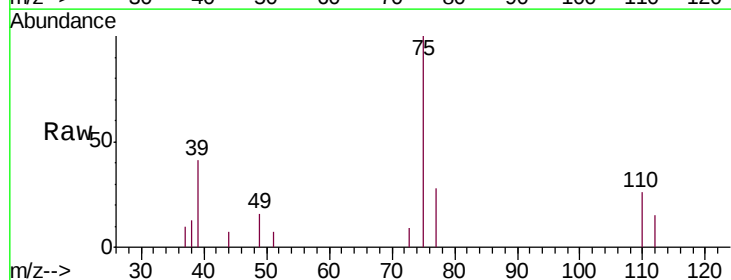
Acq: 25 Jan 2019 10:07

Tgt Ion: 75 Resp: 3459

Ion Ratio Lower Upper

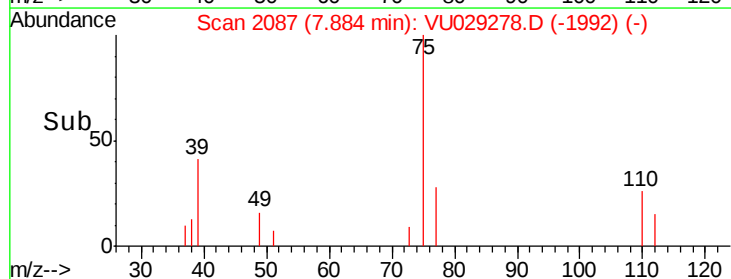
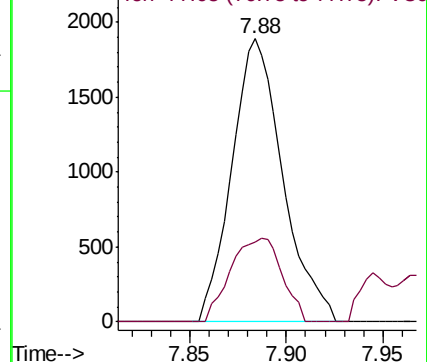
75 100

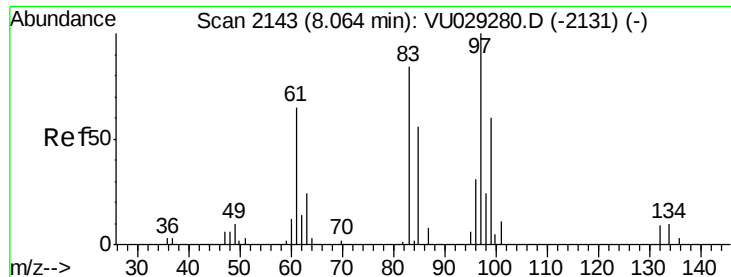
77 28.4 21.1 39.1



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

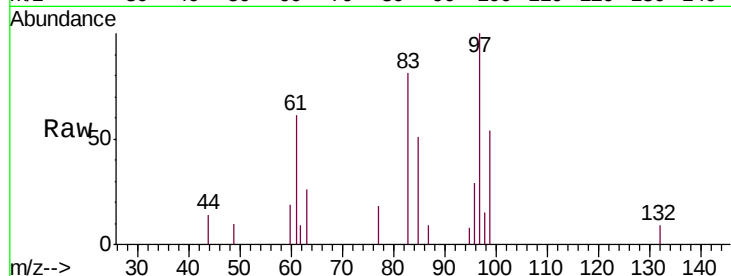




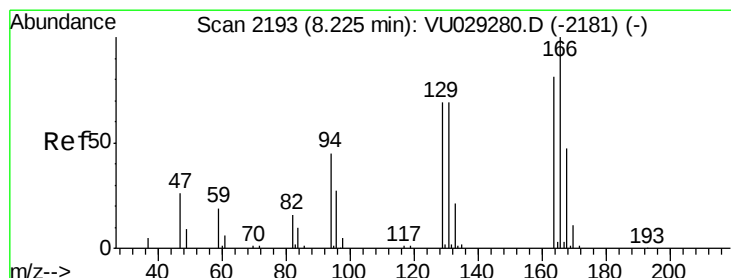
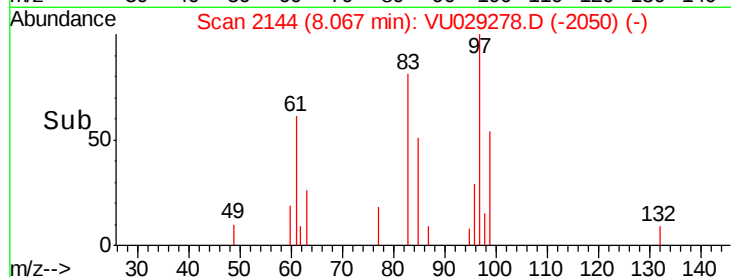
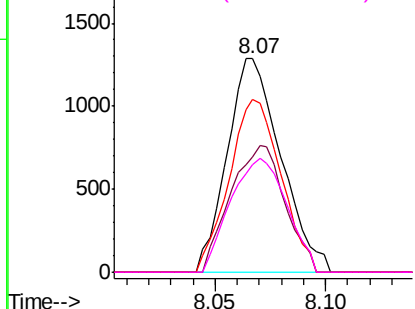
#45
 1,1,2-Trichloroethane
 Concen: 0.508 ug/L
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU029278.D
 Acq: 25 Jan 2019 10:07

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB42

Tgt Ion:	97	Resp:	2176
Ion	Ratio	Lower	Upper
97	100		
99	53.9	42.1	78.3
83	81.0	58.7	108.9
85	50.5	39.4	73.2

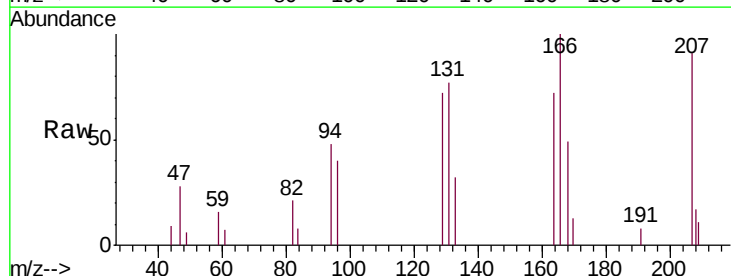


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

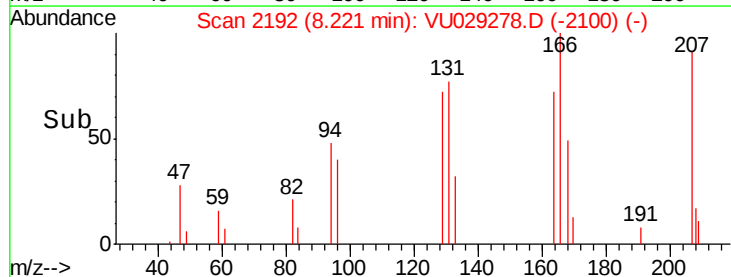
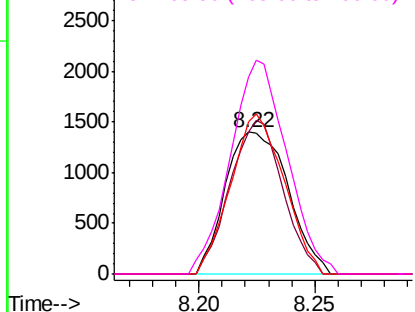


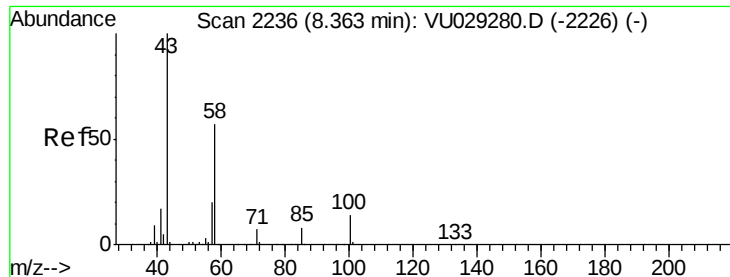
#47
 Tetrachloroethene
 Concen: 0.502 ug/L
 RT: 8.22 min Scan# 2192
 Delta R.T. -0.00 min
 Lab File: VU029278.D
 Acq: 25 Jan 2019 10:07

Tgt Ion:	164	Resp:	2633
Ion	Ratio	Lower	Upper
164	100		
129	99.9	60.1	111.7
131	107.5	59.9	111.3
166	139.0	86.9	161.3



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

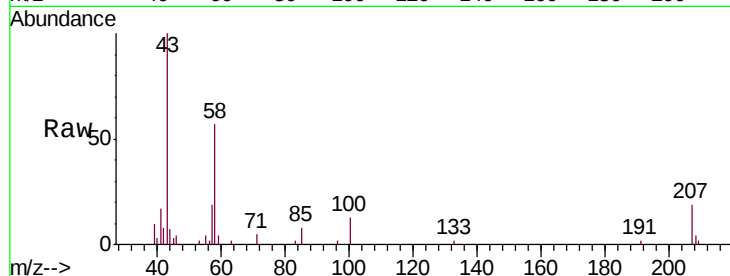




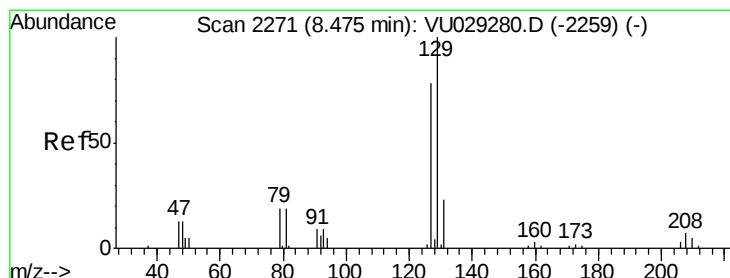
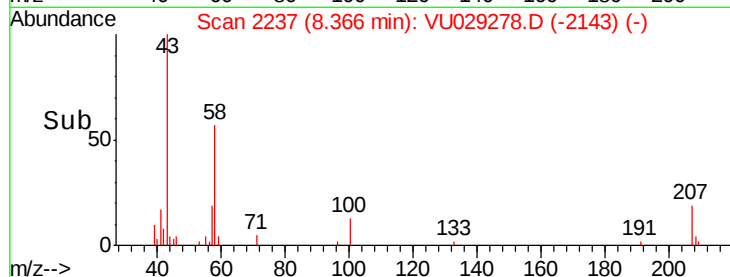
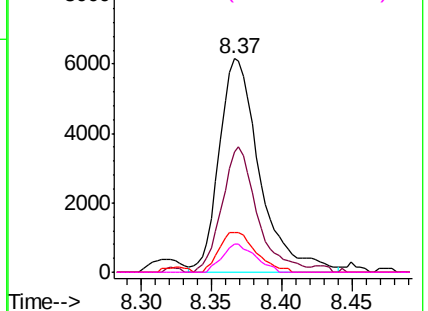
#48
2-Hexanone
Concen: 4.727 ug/L
RT: 8.37 min Scan# 2237
Delta R.T. 0.00 min
Lab File: VU029278.D
Acq: 25 Jan 2019 10:07

Instrument :
MSVOA_U
ClientSampleId :
BFB42

Tgt Ion: 43 Resp: 12386
Ion Ratio Lower Upper
43 100
58 50.6 44.2 66.2
57 16.8 15.4 23.2
100 10.6 10.0 15.0

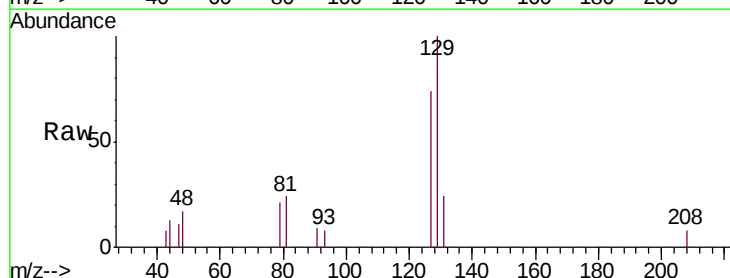


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

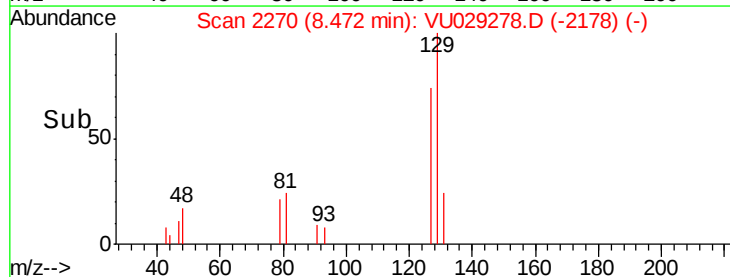
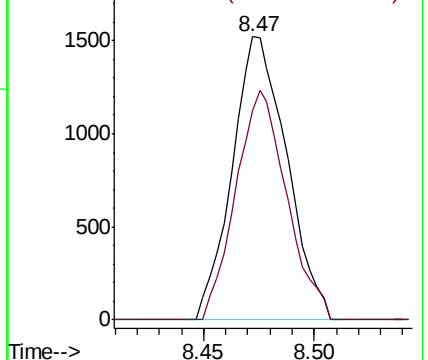


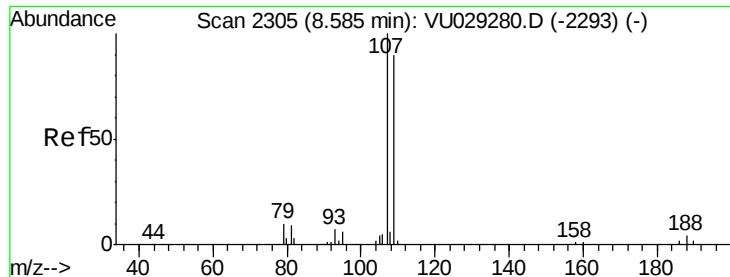
#49
Dibromochloromethane
Concen: 0.490 ug/L
RT: 8.47 min Scan# 2270
Delta R.T. -0.00 min
Lab File: VU029278.D
Acq: 25 Jan 2019 10:07

Tgt Ion: 129 Resp: 2607
Ion Ratio Lower Upper
129 100
127 73.8 54.7 101.7



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

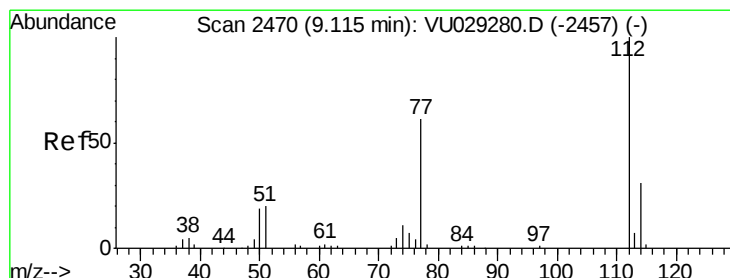
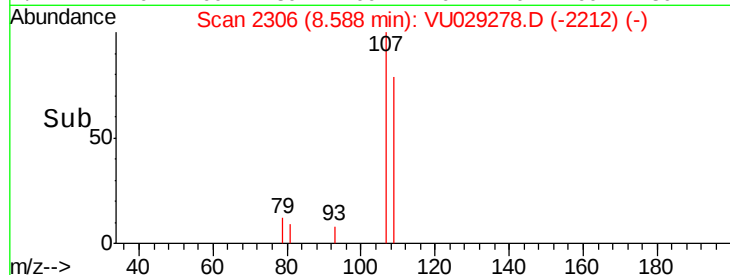
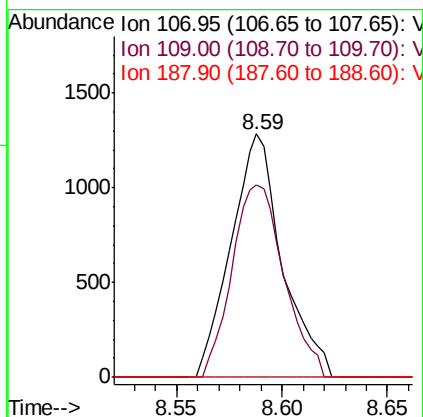
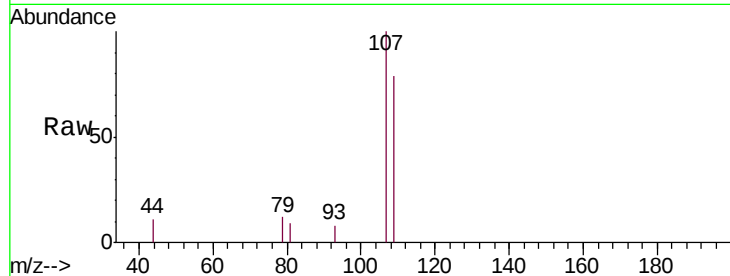




#50
1,2-Dibromoethane
Concen: 0.521 ug/L
RT: 8.59 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VU029278.D
Acq: 25 Jan 2019 10:07

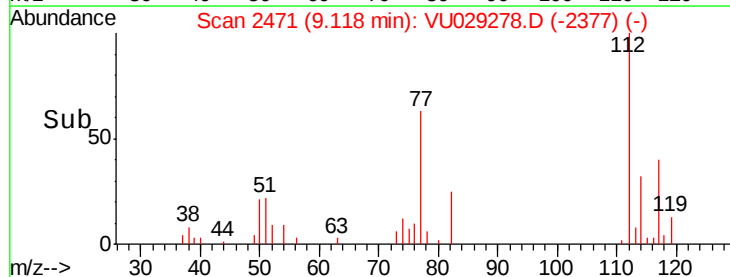
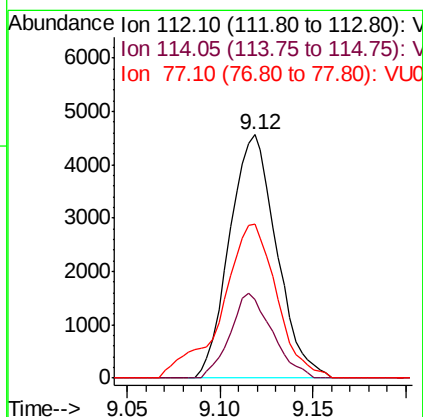
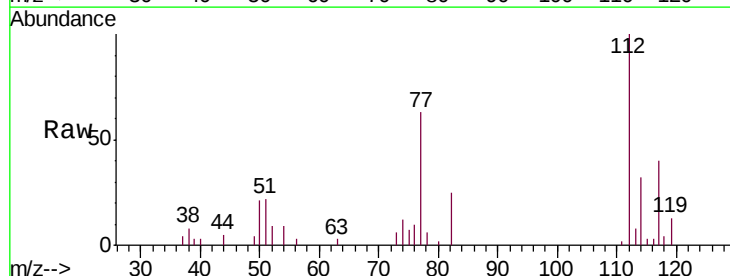
Instrument :
MSVOA_U
ClientSampleId :
BFB42

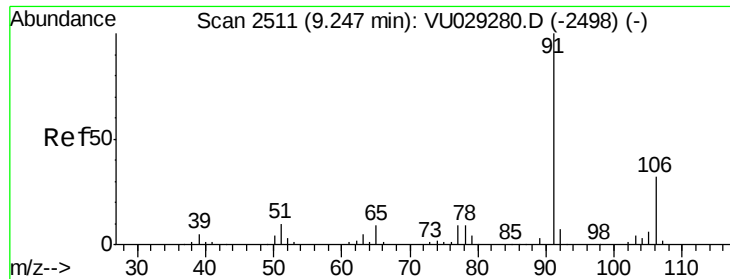
Tgt Ion:107 Resp: 2160
Ion Ratio Lower Upper
107 100
109 78.8 62.7 116.5
188 0.0 3.4 5.0#



#51
Chlorobenzene
Concen: 0.502 ug/L
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU029278.D
Acq: 25 Jan 2019 10:07

Tgt Ion:112 Resp: 8043
Ion Ratio Lower Upper
112 100
114 32.4 22.0 40.8
77 63.2 49.0 73.4





#52

Ethylbenzene

Concen: 0.474 ug/L

RT: 9.25 min Scan# 2511

Delta R.T. -0.00 min

Lab File: VU029278.D

Acq: 25 Jan 2019 10:07

Instrument :

MSVOA_U

ClientSampleId :

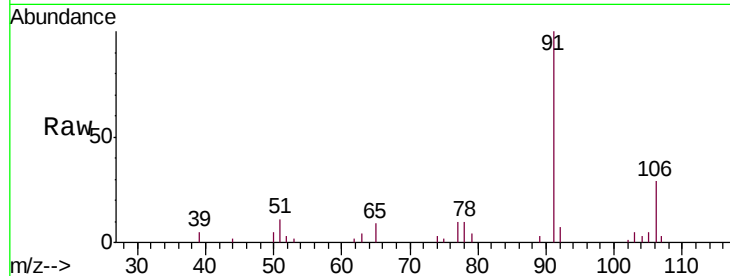
BFB42

Tgt Ion: 91 Resp: 12676

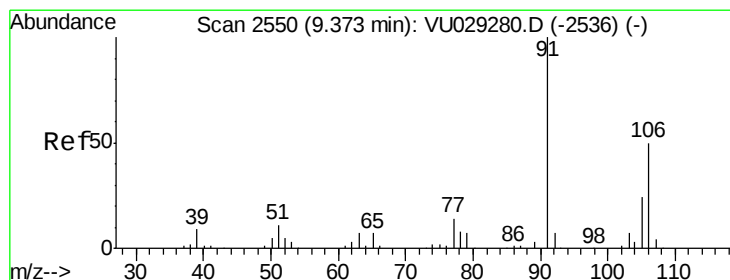
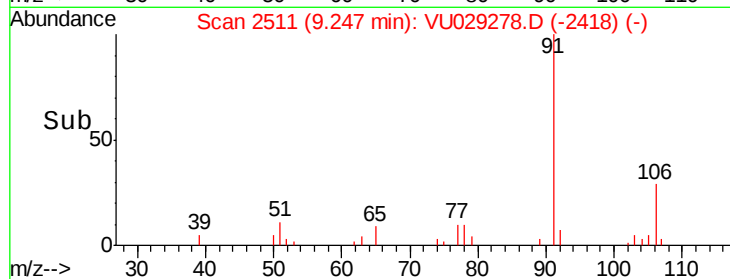
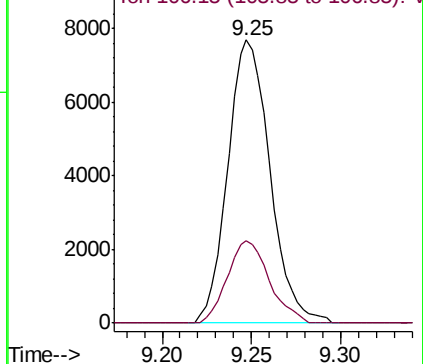
Ion Ratio Lower Upper

91 100

106 29.3 22.0 41.0



Abundance Ion 91.15 (90.85 to 91.85): VU029278.D (-2498) (-)



#53

m,p-xylene

Concen: 0.468 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU029278.D

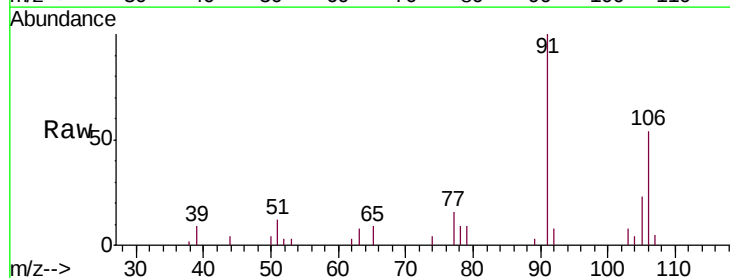
Acq: 25 Jan 2019 10:07

Tgt Ion: 106 Resp: 4751

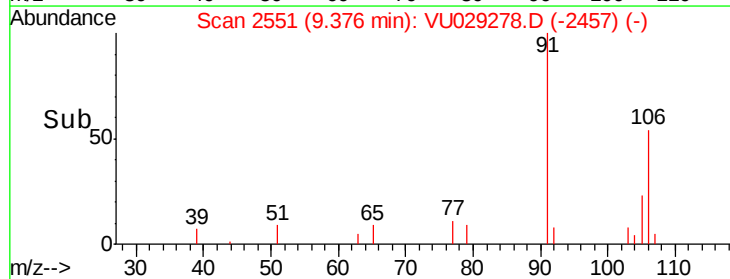
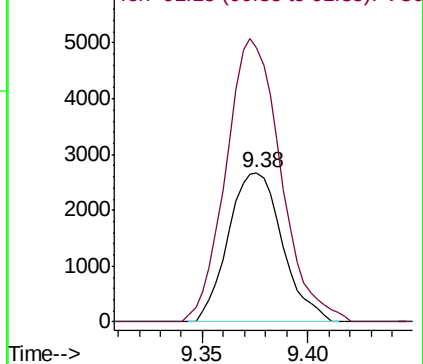
Ion Ratio Lower Upper

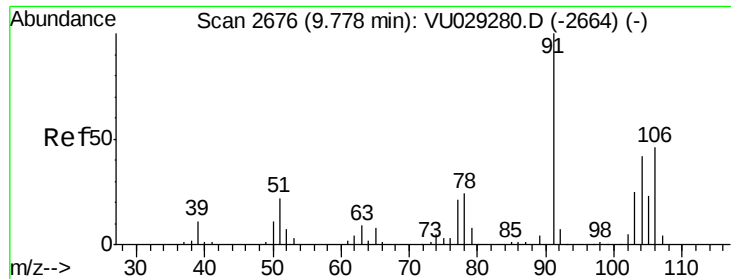
106 100

91 184.1 141.5 262.7



Abundance Ion 106.15 (105.85 to 106.85): VU029278.D (-2536) (-)





#54

o-xylene

Concen: 0.462 ug/L

RT: 9.77 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VU029278.D

Acq: 25 Jan 2019 10:07

Instrument :

MSVOA_U

ClientSampleId :

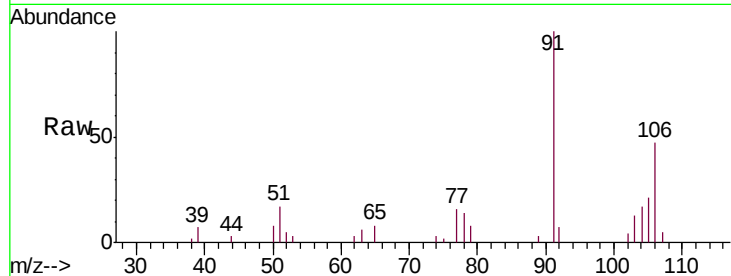
BFB42

Tgt Ion:106 Resp: 4460

Ion Ratio Lower Upper

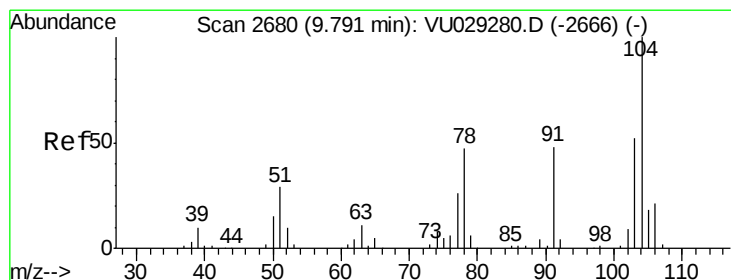
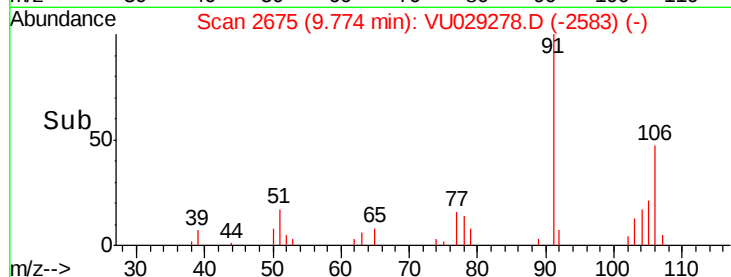
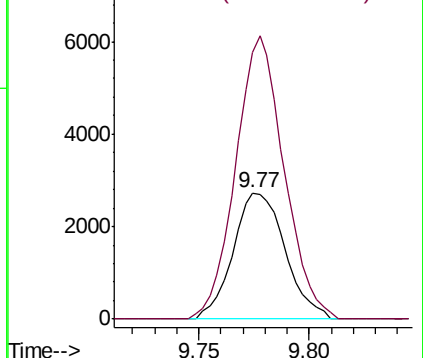
106 100

91 211.3 153.6 285.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 0.451 ug/L

RT: 9.79 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU029278.D

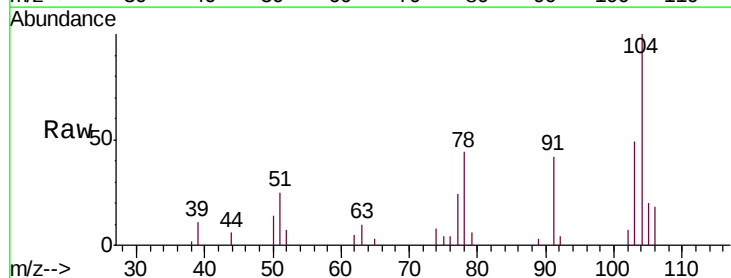
Acq: 25 Jan 2019 10:07

Tgt Ion:104 Resp: 7589

Ion Ratio Lower Upper

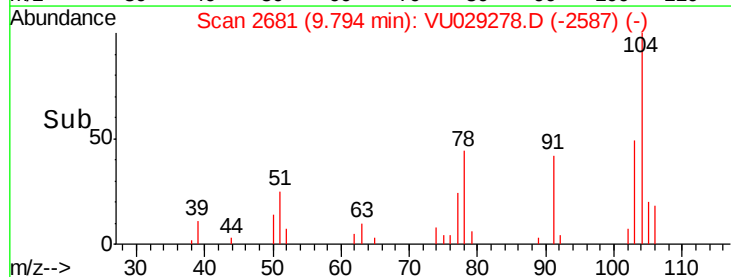
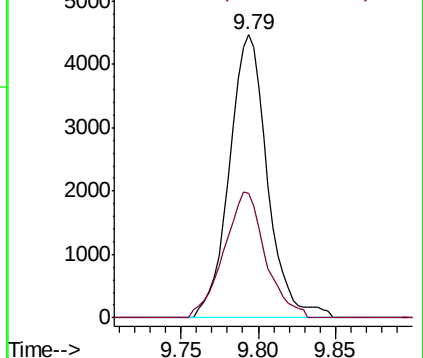
104 100

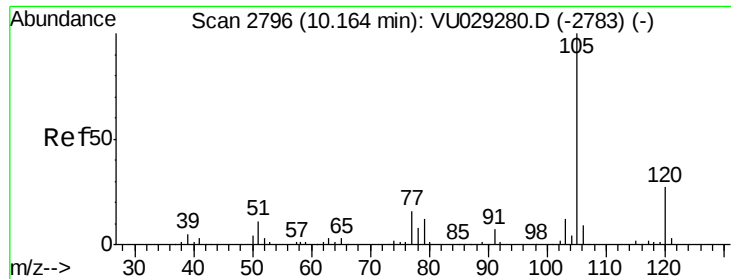
78 44.1 33.1 61.5



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 0.440 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU029278.D

Acq: 25 Jan 2019 10:07

Instrument :

MSVOA_U

ClientSampleId :

BFB42

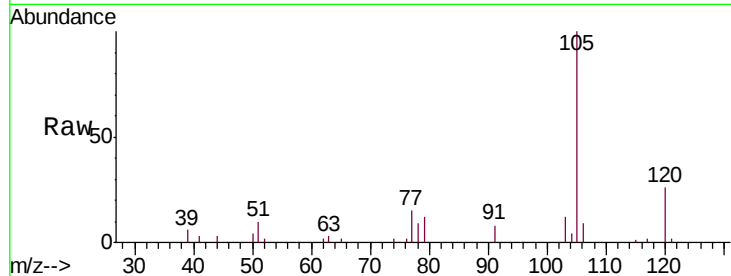
Tgt Ion: 105 Resp: 11441

Ion Ratio Lower Upper

105 100

120 26.2 20.9 31.3

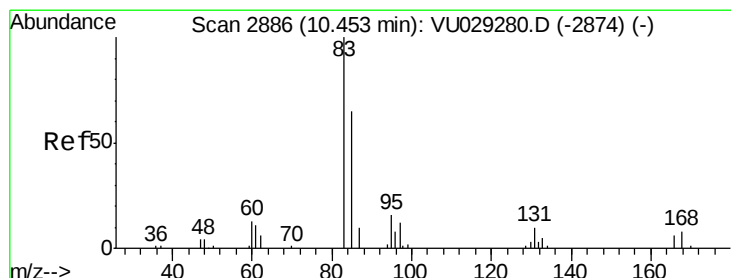
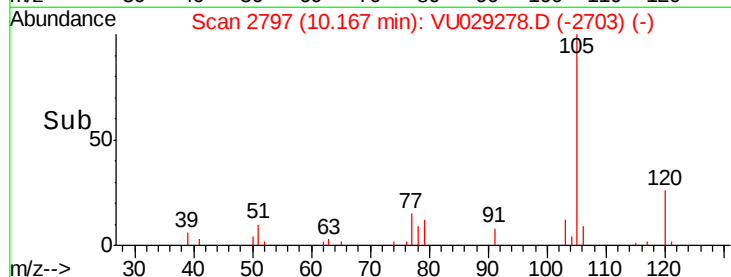
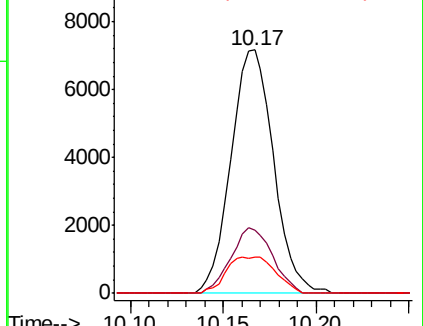
77 17.1 12.8 19.2



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: 0.521 ug/L

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU029278.D

Acq: 25 Jan 2019 10:07

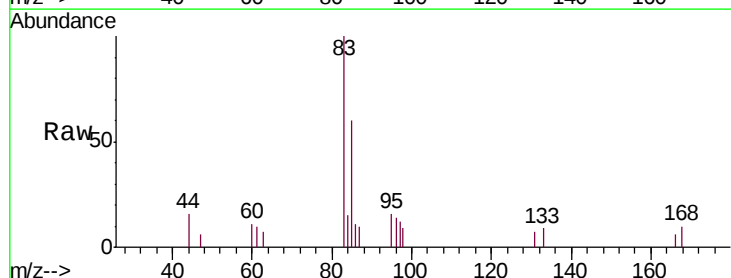
Tgt Ion: 83 Resp: 2906

Ion Ratio Lower Upper

83 100

85 59.9 45.8 85.0

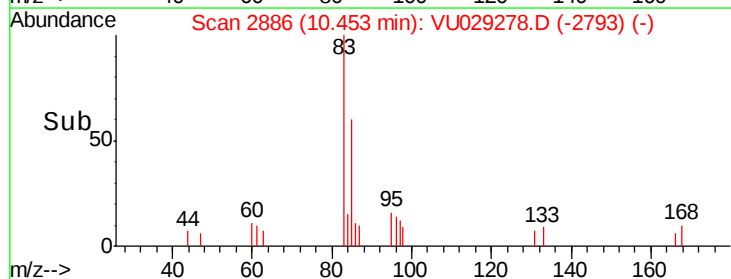
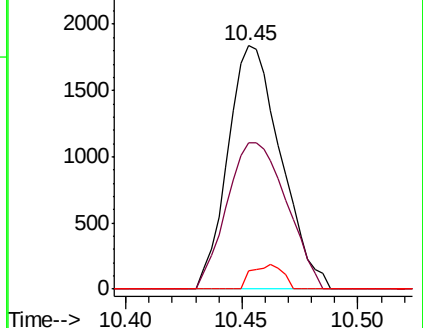
131 7.3 8.8 13.2#

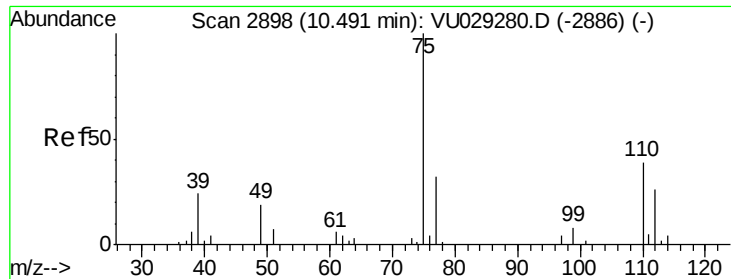


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.527 ug/L

RT: 10.49 min Scan# 2898

Delta R.T. -0.00 min

Lab File: VU029278.D

Acq: 25 Jan 2019 10:07

Instrument :

MSVOA_U

ClientSampled :

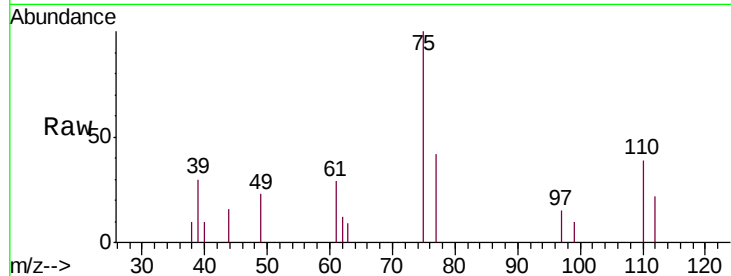
BFB42

Tgt Ion: 75 Resp: 2162

Ion Ratio Lower Upper

75 100

77 31.9 26.2 39.4



Abundance Ion 75.00 (74.70 to 75.70): VU029280.D (-2886) (-)

Ion 77.00 (76.70 to 77.70): VU029280.D (-2886) (-)

10.49

1500

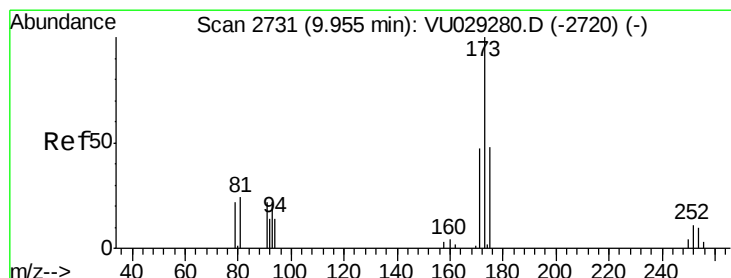
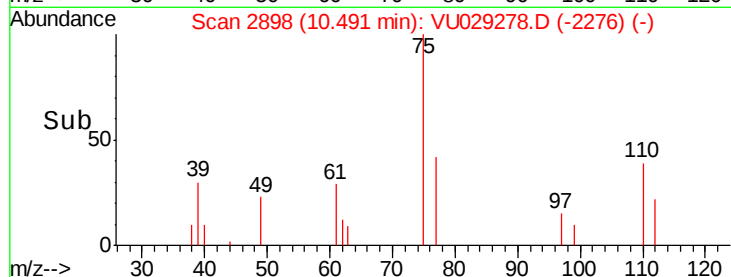
1000

500

0

10.45 10.50 10.55

Time-->



#61

Bromoform

Concen: 0.525 ug/L

RT: 9.96 min Scan# 2733

Delta R.T. 0.01 min

Lab File: VU029278.D

Acq: 25 Jan 2019 10:07

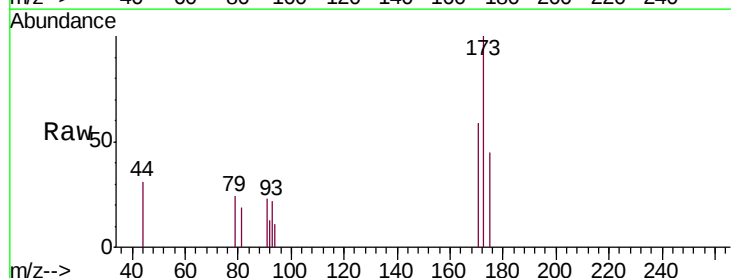
Tgt Ion: 173 Resp: 1564

Ion Ratio Lower Upper

173 100

175 51.5 39.4 59.2

254 4.1 7.9 11.9#



Abundance Ion 172.90 (172.60 to 173.60): VU029280.D (-2720) (-)

Ion 174.90 (174.60 to 175.60): VU029280.D (-2720) (-)

Ion 253.75 (253.45 to 254.45): VU029280.D (-2720) (-)

9.96

1200

1000

800

600

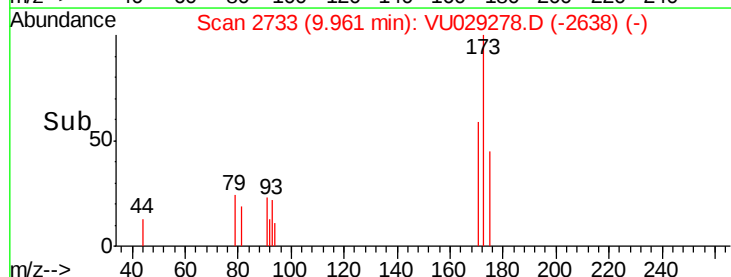
400

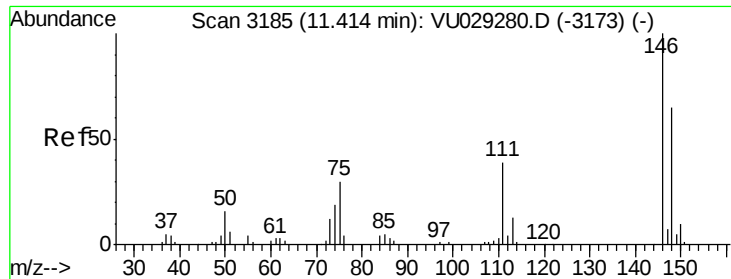
200

0

9.90 9.95 10.00

Time-->

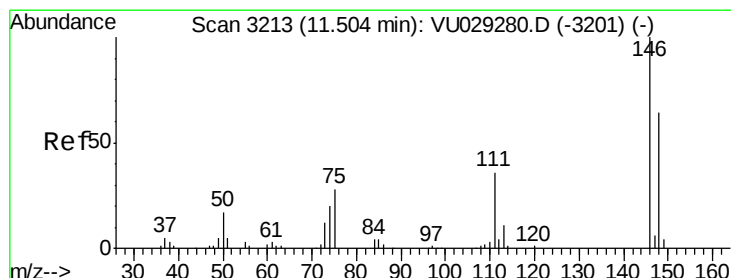
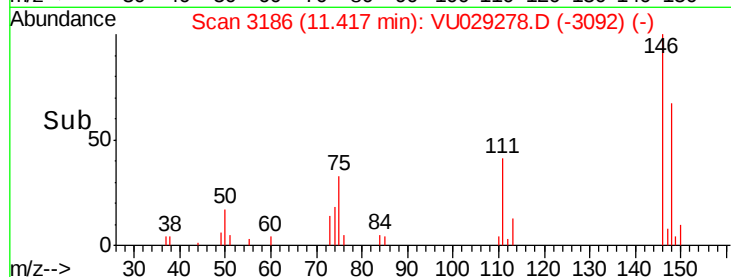
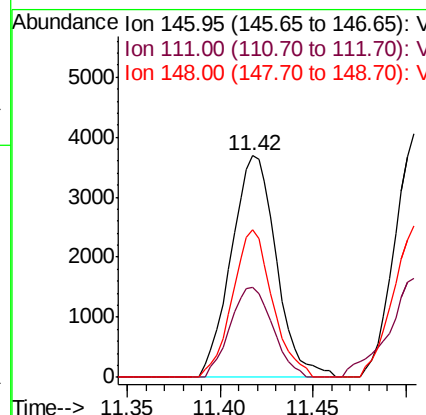
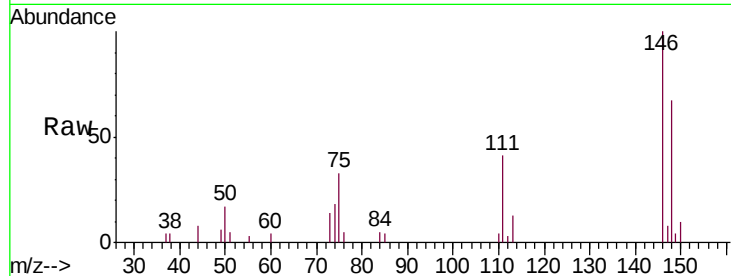




#62
 1,3-Dichlorobenzene
 Concen: 0.519 ug/L
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU029278.D
 Acq: 25 Jan 2019 10:07

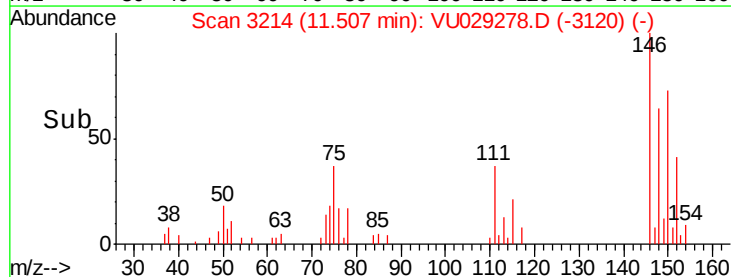
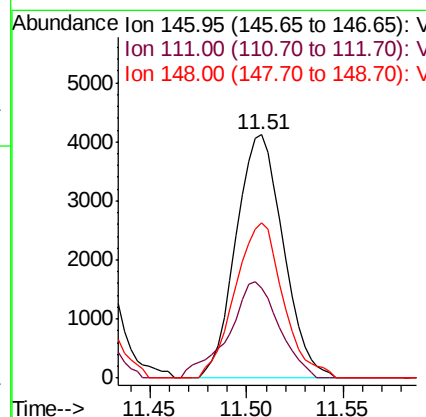
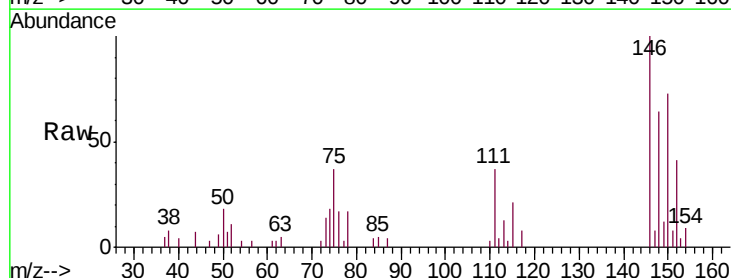
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB42

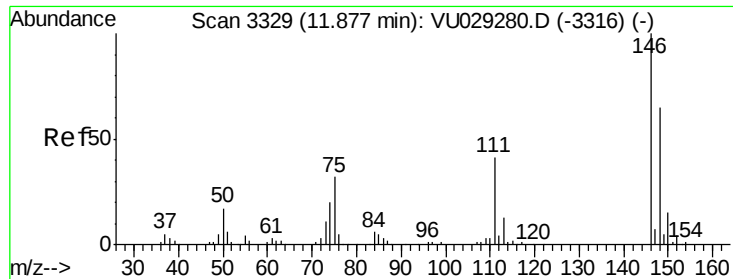
Tgt Ion:146 Resp: 6216
 Ion Ratio Lower Upper
 146 100
 111 40.8 27.2 50.6
 148 66.6 45.8 85.0



#63
 1,4-Dichlorobenzene
 Concen: 0.549 ug/L
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU029278.D
 Acq: 25 Jan 2019 10:07

Tgt Ion:146 Resp: 7010
 Ion Ratio Lower Upper
 146 100
 111 37.0 25.5 47.3
 148 64.0 44.9 83.5

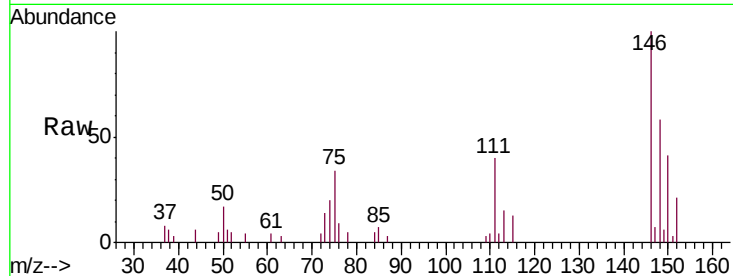




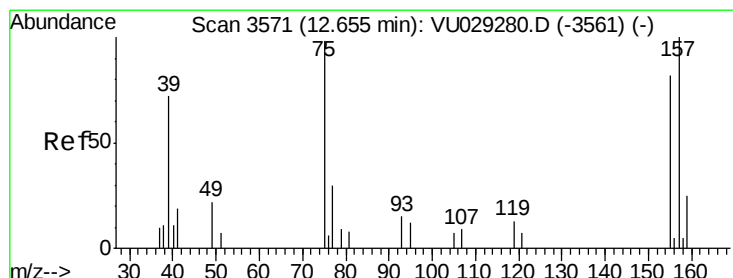
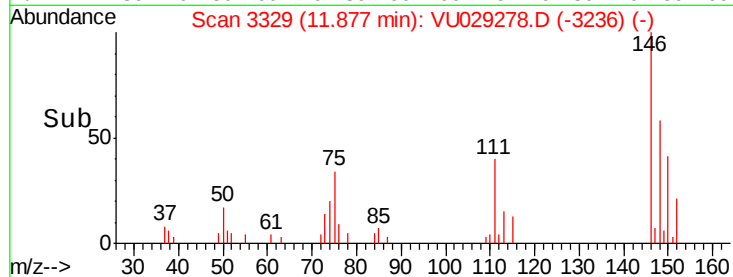
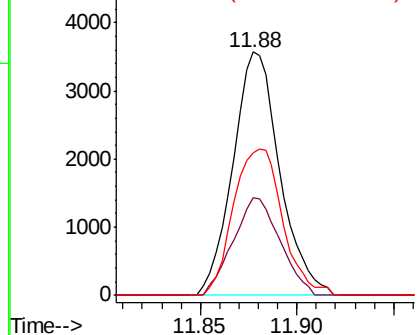
#65
 1,2-Dichlorobenzene
 Concen: 0.512 ug/L
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU029278.D
 Acq: 25 Jan 2019 10:07

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB42

Tgt Ion:146 Resp: 6016
 Ion Ratio Lower Upper
 146 100
 111 40.3 32.6 49.0
 148 58.5 52.2 78.4

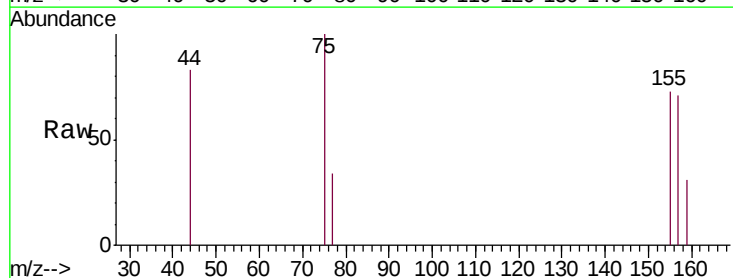


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

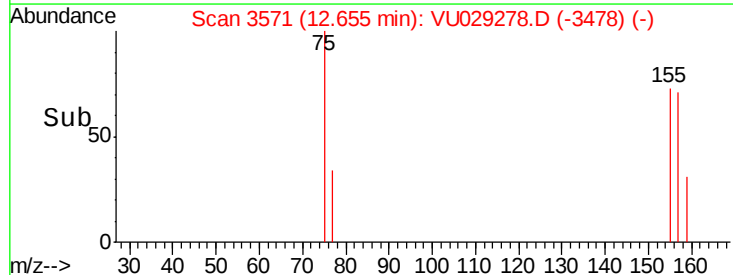
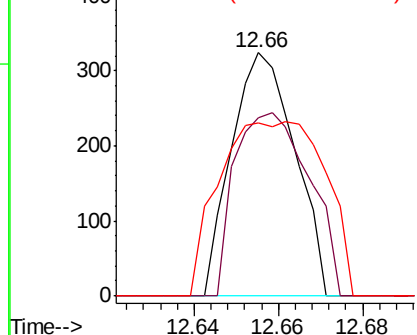


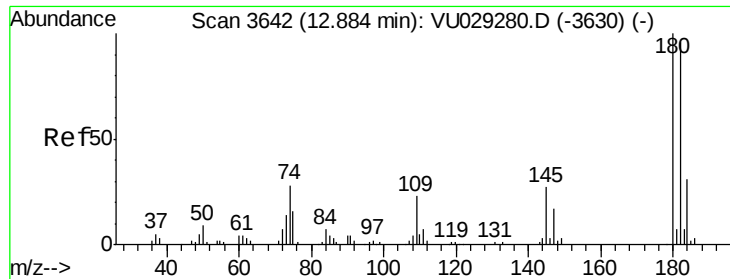
#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.403 ug/L
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU029278.D
 Acq: 25 Jan 2019 10:07

Tgt Ion: 75 Resp: 337
 Ion Ratio Lower Upper
 75 100
 155 73.5 66.6 100.0
 157 71.3 81.3 121.9#



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

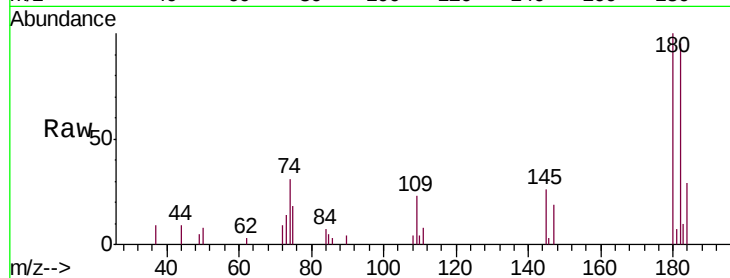




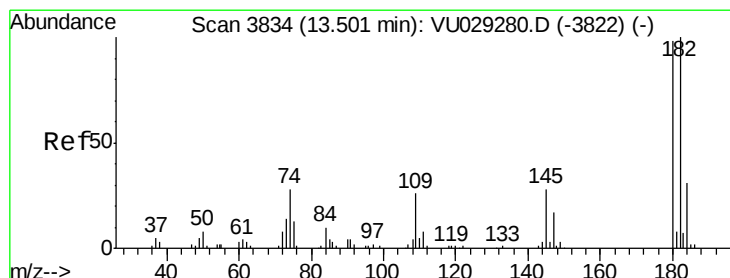
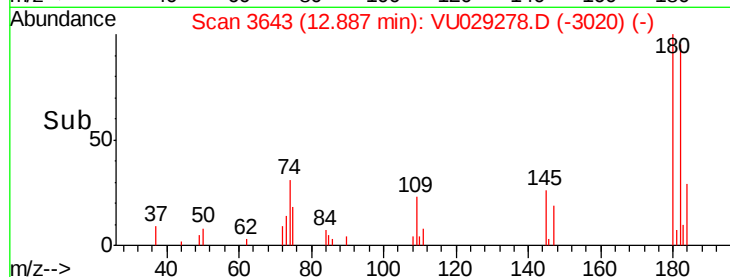
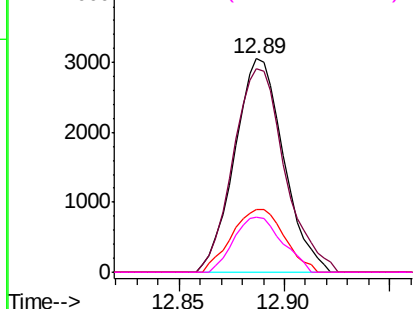
#67
 1,3,5-Trichlorobenzene
 Concen: 0.489 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. 0.00 min
 Lab File: VU029278.D
 Acq: 25 Jan 2019 10:07

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB42

Tgt Ion:180 Resp: 4928
 Ion Ratio Lower Upper
 180 100
 182 100.3 76.1 114.1
 184 31.5 24.4 36.6
 145 25.3 22.4 33.6

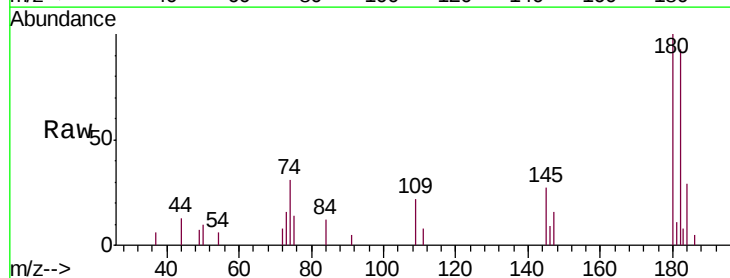


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

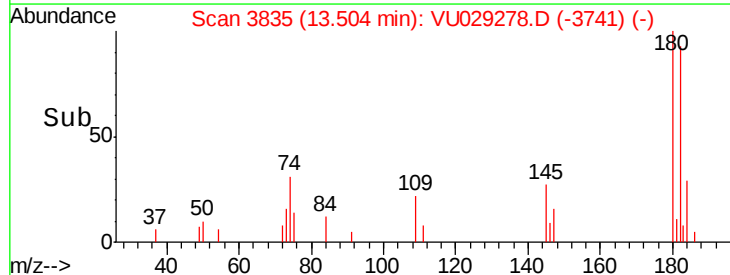
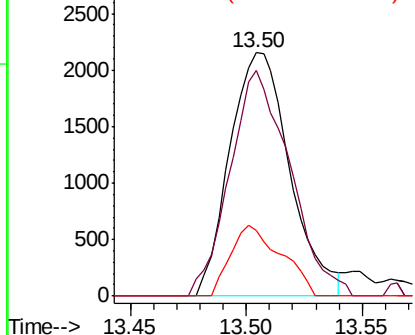


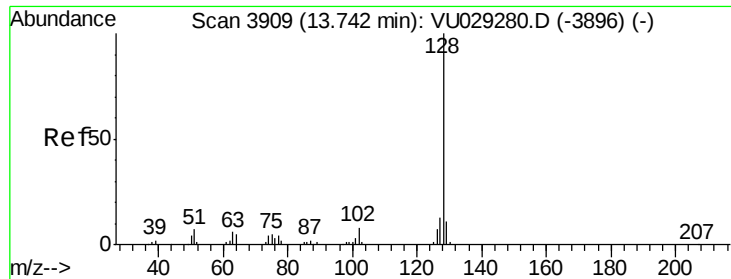
#68
 1,2,4-trichlorobenzene
 Concen: 0.460 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU029278.D
 Acq: 25 Jan 2019 10:07

Tgt Ion:180 Resp: 3884
 Ion Ratio Lower Upper
 180 100
 182 92.5 79.8 119.6
 145 24.4 22.6 34.0



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

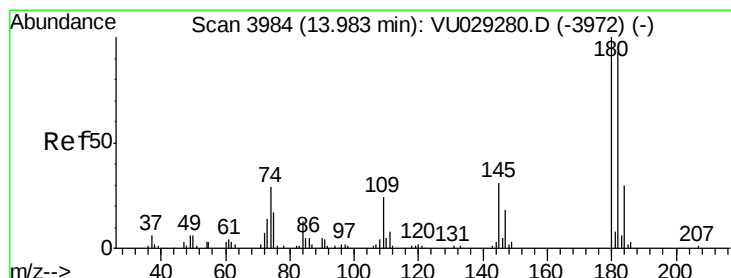
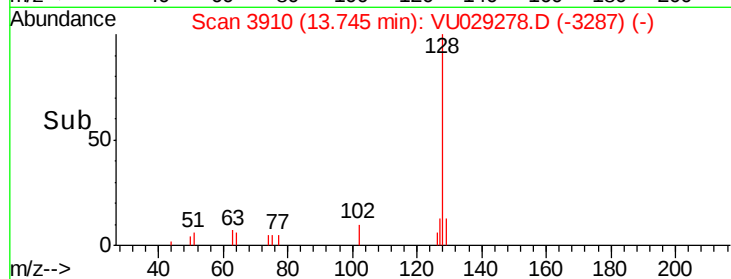
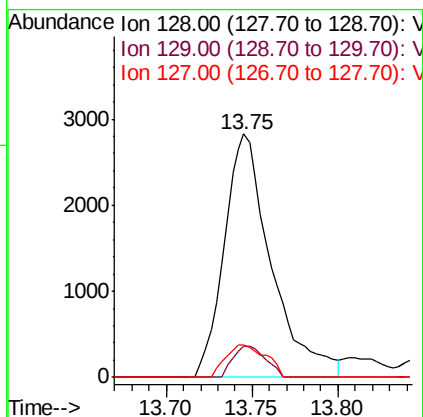
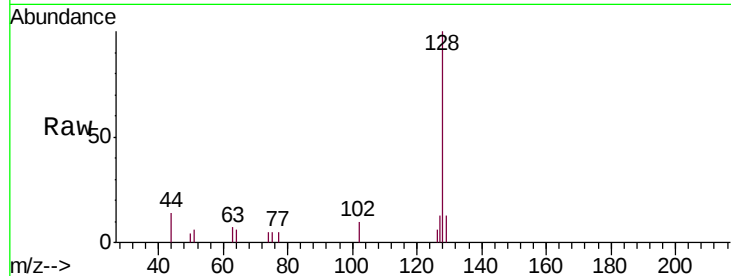




#69
Naphthalene
Concen: 0.403 ug/L
RT: 13.75 min Scan# 3910
Delta R.T. 0.00 min
Lab File: VU029278.D
Acq: 25 Jan 2019 10:07

Instrument :
MSVOA_U
ClientSampleId :
BFB42

Tgt Ion:128 Resp: 5396
Ion Ratio Lower Upper
128 100
129 8.9 8.5 12.7
127 11.3 10.4 15.6



#70
1,2,3-Trichlorobenzene
Concen: 0.445 ug/L
RT: 13.99 min Scan# 3986
Delta R.T. 0.01 min
Lab File: VU029278.D
Acq: 25 Jan 2019 10:07

Tgt Ion:180 Resp: 3496
Ion Ratio Lower Upper
180 100
182 106.8 76.4 114.6
145 28.1 24.5 36.7

