

Data File : VU026553.D
Acq On : 05 Sep 2018 19:42
Operator : MD/SY
Sample : J4694-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BEE28

Quant Time: Sep 06 06:00:48 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082918WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Sep 06 05:59:28 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	168359	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	156736	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	65682	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	39318	37.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.38%
7) Chloroethane-d5	1.68	69	38266	40.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	81.24%
11) 1,1-Dichloroethene-d2	2.27	63	60791	25.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	51.76%#
21) 2-Butanone-d5	4.18	46	83194	102.76	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.76%
24) Chloroform-d	4.65	84	88402	44.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.74%
26) 1,2-Dichloroethane-d4	5.31	65	60488	46.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.24%
32) Benzene-d6	5.34	84	172340	47.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.42%
36) 1,2-Dichloropropane-d6	6.33	67	61450	49.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.04%
41) Toluene-d8	7.57	98	152412	43.71	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.42%
43) trans-1,3-Dichloropropene-	7.85	79	15595	27.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	55.04%#
47) 2-Hexanone-d5	8.31	63	56936	100.03	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.03%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	85894	46.98	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.96%
64) 1,2-Dichlorobenzene-d4	11.86	152	60987	51.18	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.36%

Target Compounds

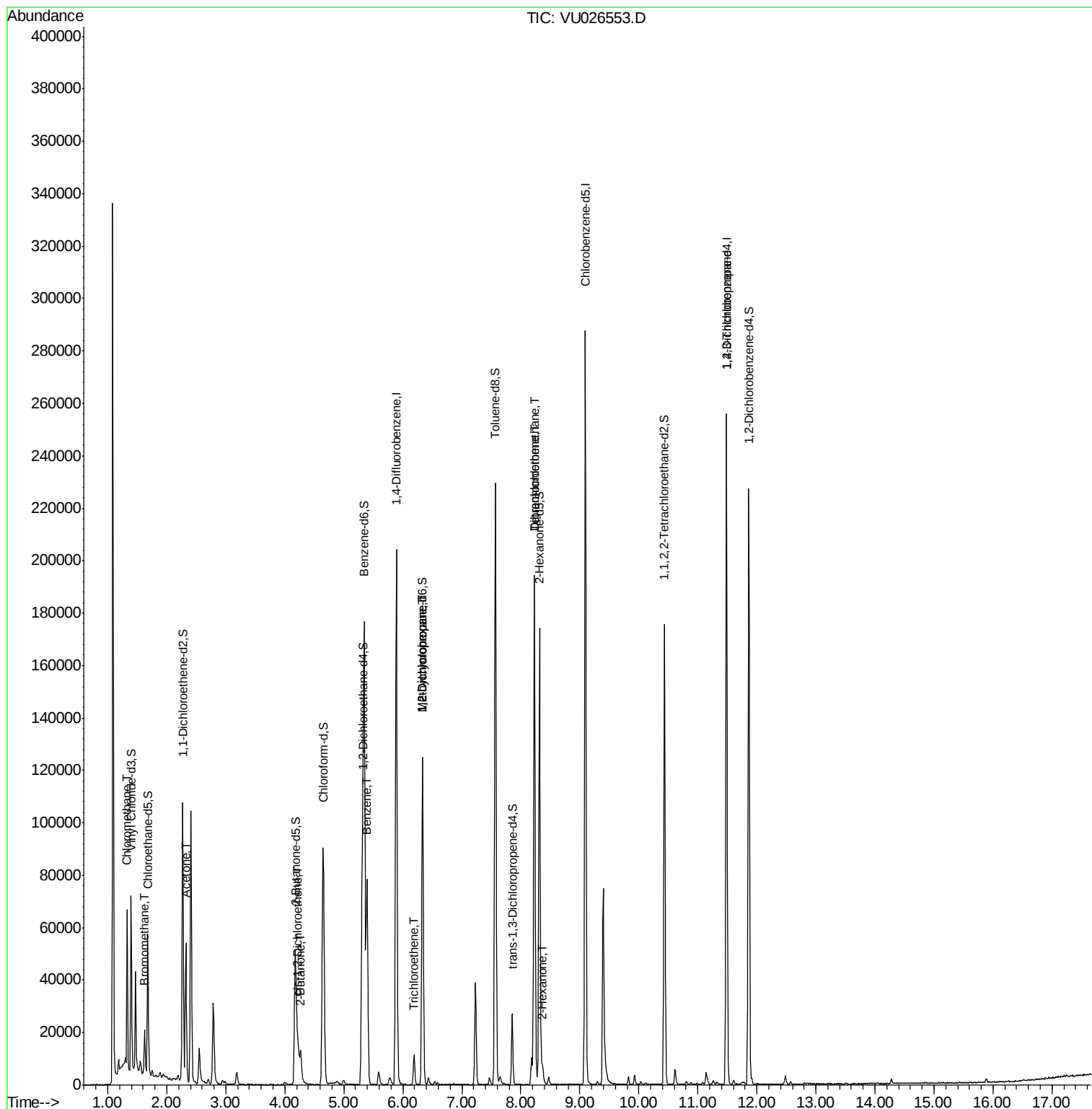
						Qvalue
3) Chloromethane	1.33	50	39982	24.666	ug/L	100
6) Bromomethane	1.63	94	7745	7.434	ug/L	98
13) Acetone	2.32	43	54753	78.102	ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	5581	4.583	ug/L	95
22) 2-Butanone	4.27	43	19107	20.277	ug/L	97
33) Benzene	5.39	78	74340	16.544	ug/L	100
34) Trichloroethene	6.19	95	3896	3.457	ug/L	96
35) Methylcyclohexane	6.33	83	12965	7.367	ug/L #	18
37) 1,2-Dichloropropane	6.33	63	6455	5.189	ug/L #	88
46) Tetrachloroethene	8.23	164	43754	47.482	ug/L	96
48) 2-Hexanone	8.37	43	4043	3.060	ug/L #	96
49) Dibromochloromethane	8.23	129	40636	31.647	ug/L #	10
59) 1,2,3-Trichloropropane	11.48	75	7511	4.839	ug/L #	86

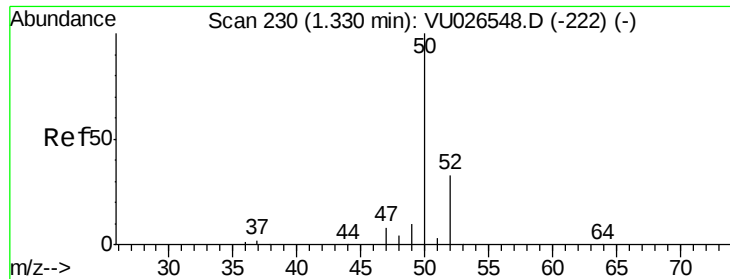
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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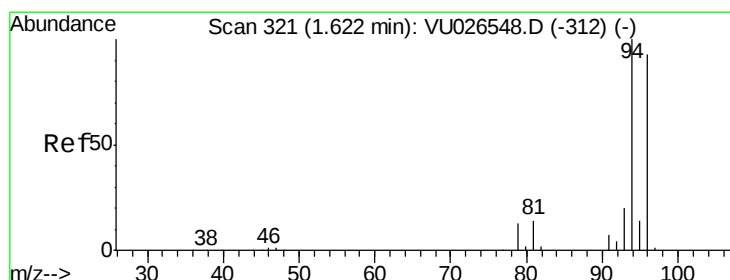
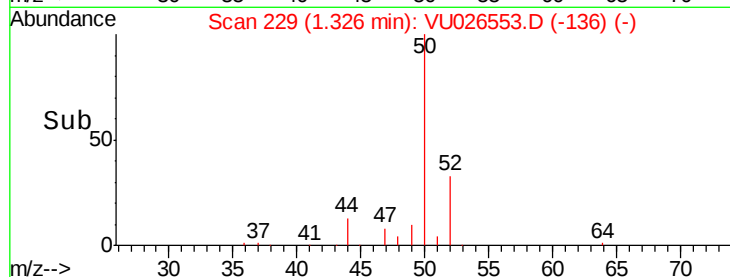
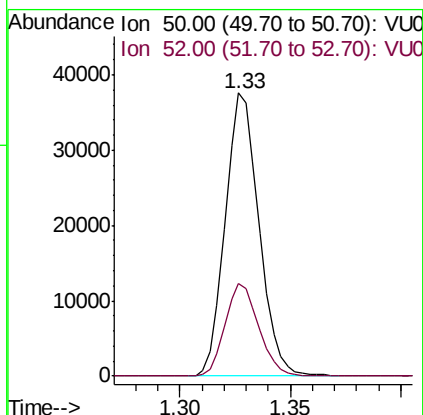
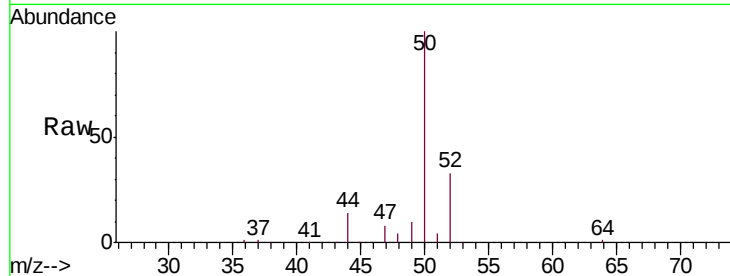




#3
Chloromethane
Concen: 24.666 ug/L
RT: 1.33 min Scan# 229
Delta R.T. 0.00 min
Lab File: VU026553.D
Acq: 05 Sep 2018 19:42

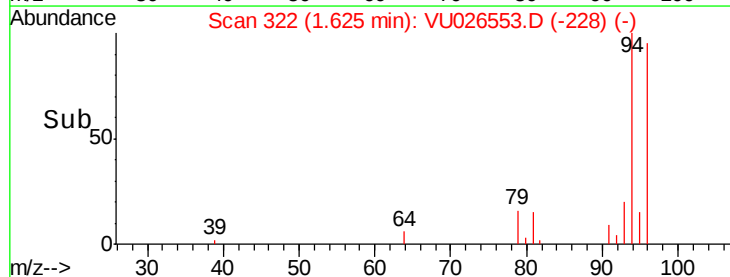
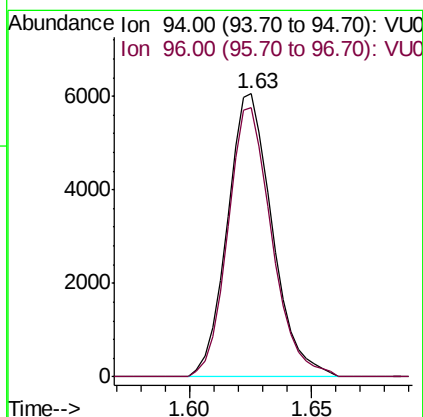
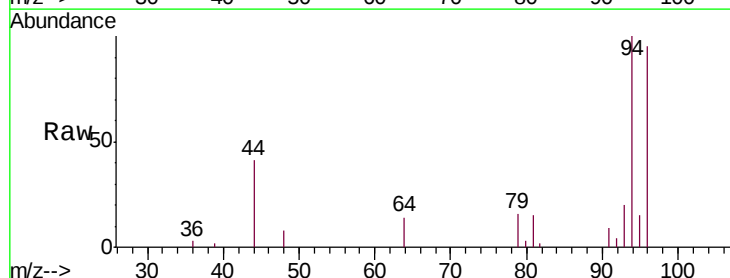
Instrument :
MSVOA_U
ClientSampleId :
BEE28

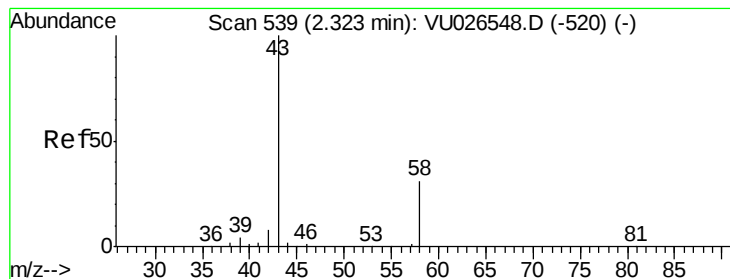
Tgt Ion: 50 Resp: 39982
Ion Ratio Lower Upper
50 100
52 32.8 23.0 42.6



#6
Bromomethane
Concen: 7.434 ug/L
RT: 1.63 min Scan# 322
Delta R.T. 0.00 min
Lab File: VU026553.D
Acq: 05 Sep 2018 19:42

Tgt Ion: 94 Resp: 7745
Ion Ratio Lower Upper
94 100
96 95.3 65.3 121.3





#13

Acetone

Concen: 78.102 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU026553.D

Acq: 05 Sep 2018 19:42

Instrument :

MSVOA_U

ClientSampleId :

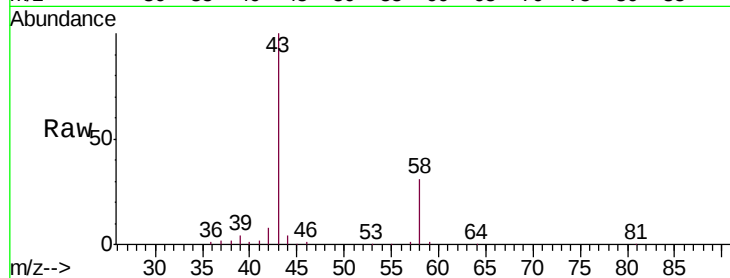
BEE28

Tgt Ion: 43 Resp: 54753

Ion Ratio Lower Upper

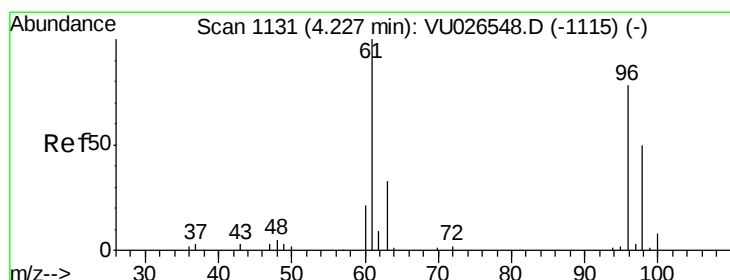
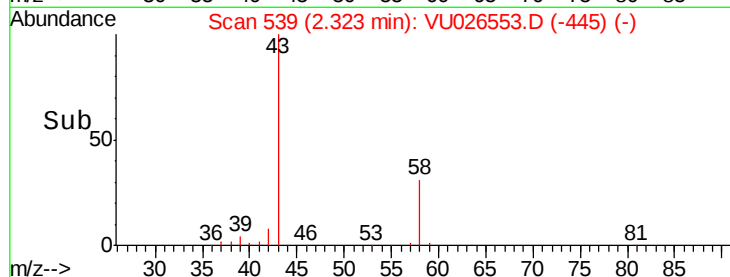
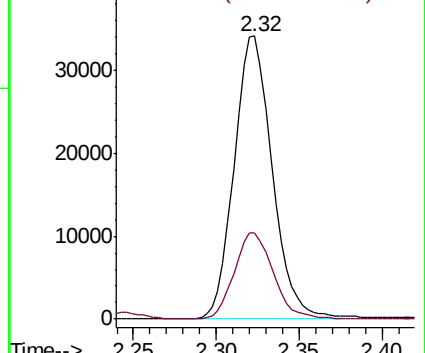
43 100

58 31.1 0.0 61.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#20

cis-1,2-Dichloroethene

Concen: 4.583 ug/L

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU026553.D

Acq: 05 Sep 2018 19:42

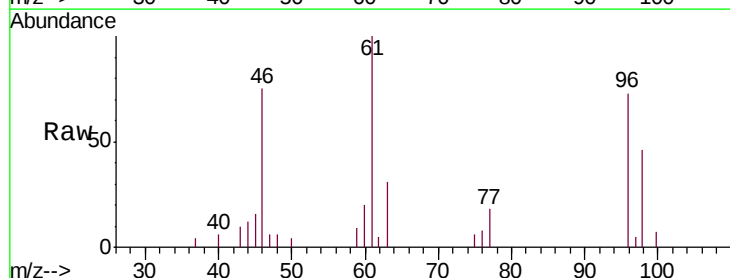
Tgt Ion: 96 Resp: 5581

Ion Ratio Lower Upper

96 100

61 136.7 91.6 170.2

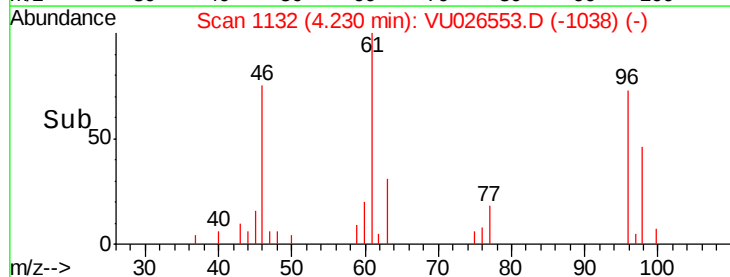
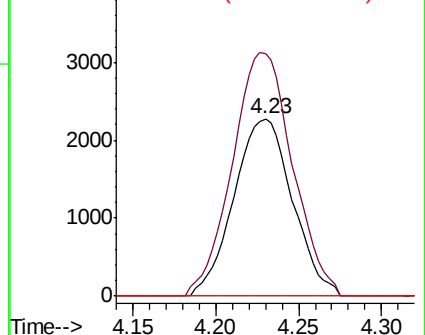
68 0.0 0.0 0.0

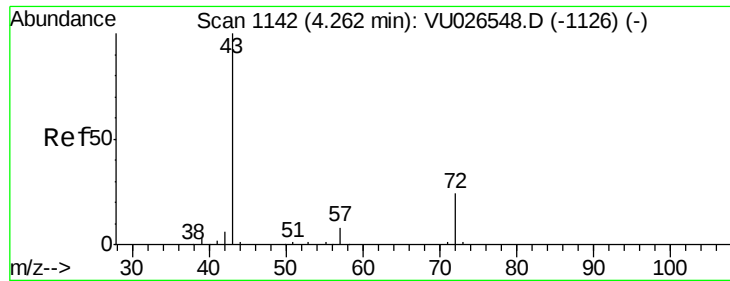


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 20.277 ug/L

RT: 4.27 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VU026553.D

Acq: 05 Sep 2018 19:42

Instrument :

MSVOA_U

ClientSampleId :

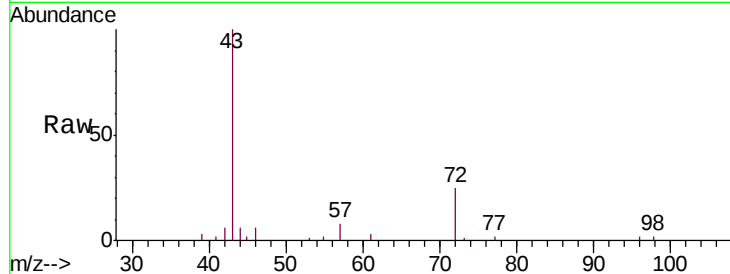
BEE28

Tgt Ion: 43 Resp: 19107

Ion Ratio Lower Upper

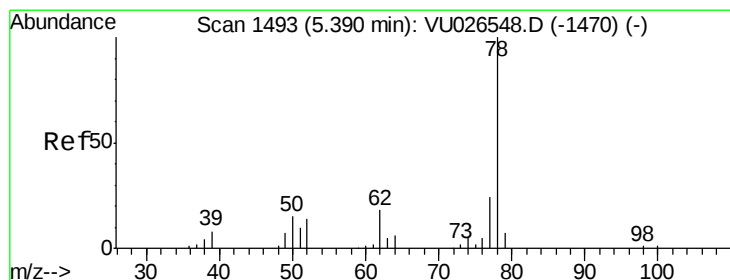
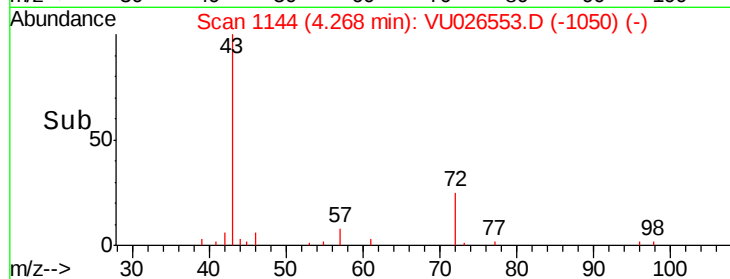
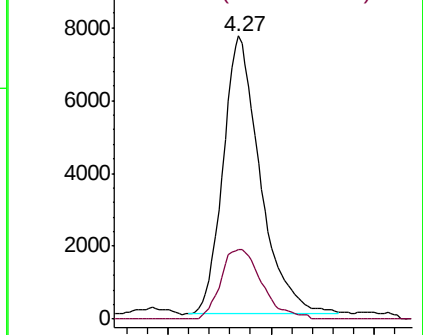
43 100

72 27.6 13.0 38.9



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#33

Benzene

Concen: 16.544 ug/L

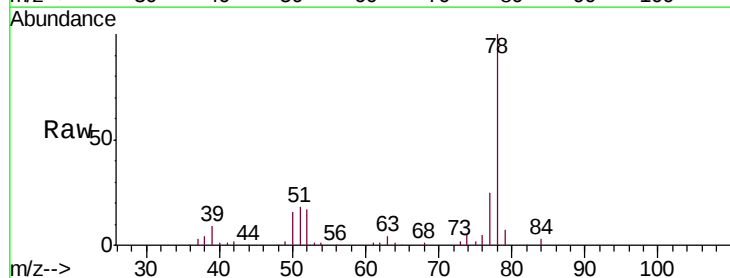
RT: 5.39 min Scan# 1493

Delta R.T. 0.00 min

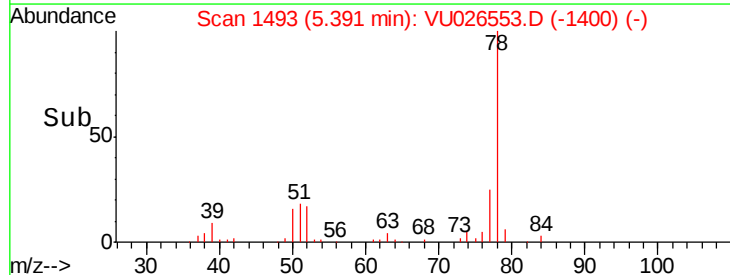
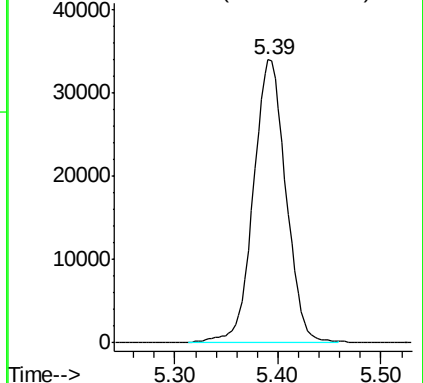
Lab File: VU026553.D

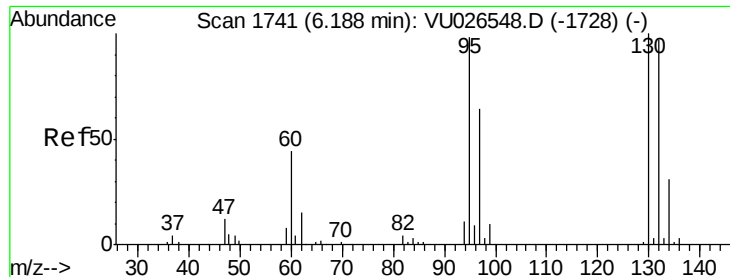
Acq: 05 Sep 2018 19:42

Tgt Ion: 78 Resp: 74340



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 3.457 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VU026553.D

Acq: 05 Sep 2018 19:42

Instrument :

MSVOA_U

ClientSampleId :

BEE28

Tgt Ion: 95 Resp: 3896

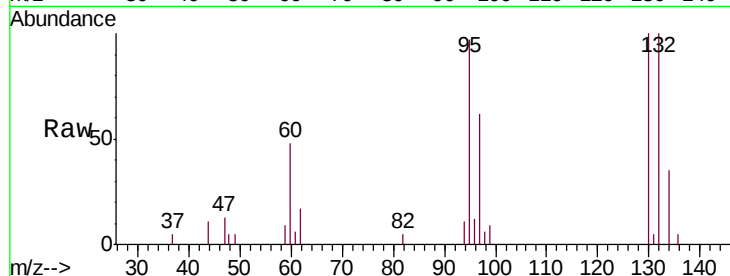
Ion Ratio Lower Upper

95 100

97 63.5 45.1 83.7

132 102.7 67.5 125.3

130 102.4 69.3 128.7

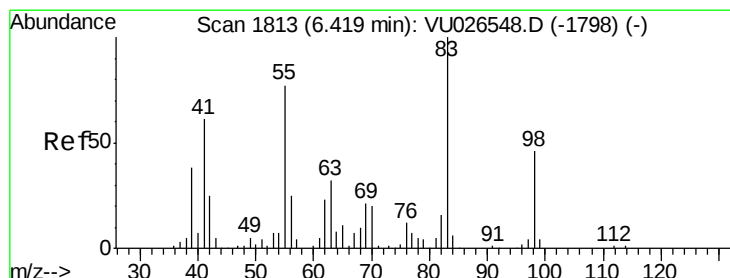
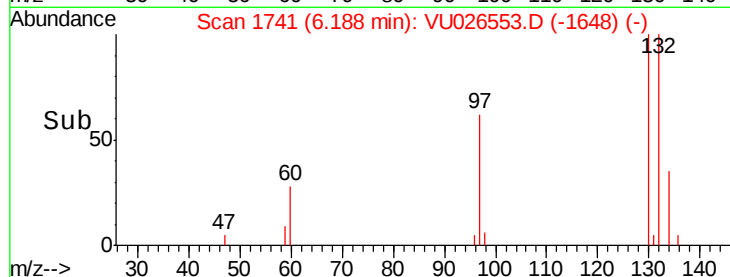
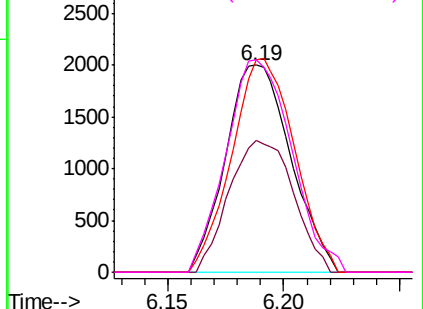


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 7.367 ug/L

RT: 6.33 min Scan# 1786

Delta R.T. -0.09 min

Lab File: VU026553.D

Acq: 05 Sep 2018 19:42

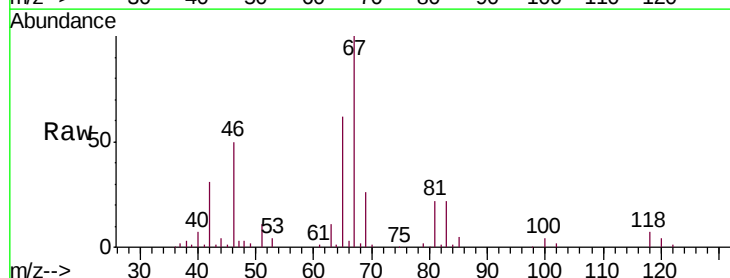
Tgt Ion: 83 Resp: 12965

Ion Ratio Lower Upper

83 100

55 0.0 63.3 94.9#

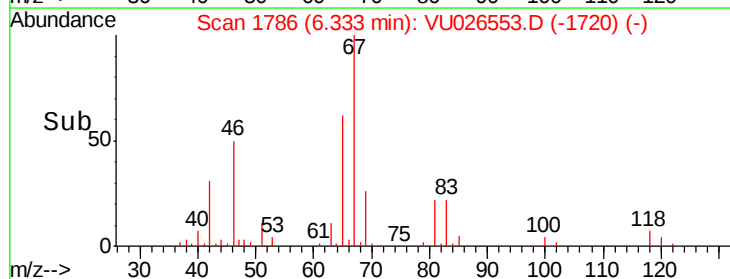
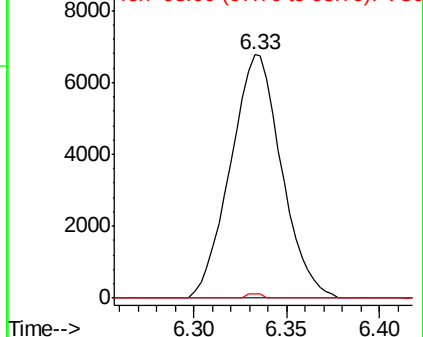
98 0.5 36.7 55.1#

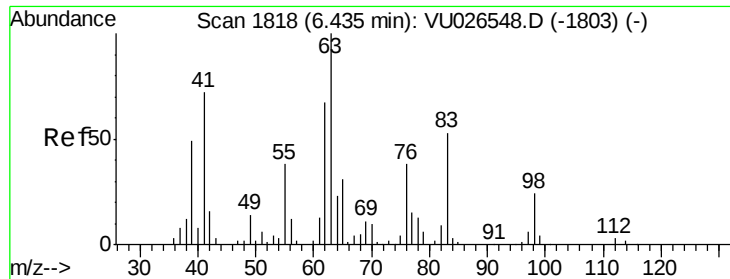


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 5.189 ug/L

RT: 6.33 min Scan# 1786

Delta R.T. -0.10 min

Lab File: VU026553.D

Acq: 05 Sep 2018 19:42

Instrument :

MSVOA_U

ClientSampleId :

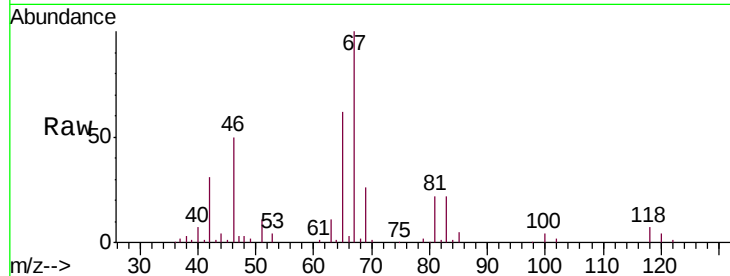
BEE28

Tgt Ion: 63 Resp: 6455

Ion Ratio Lower Upper

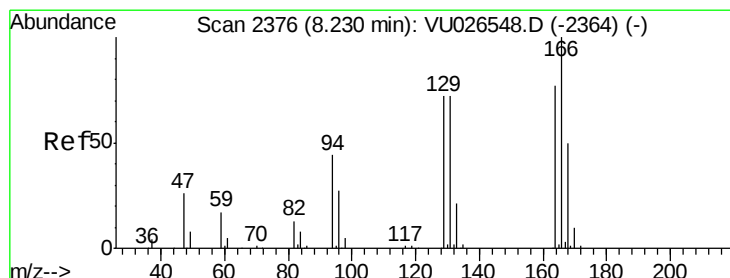
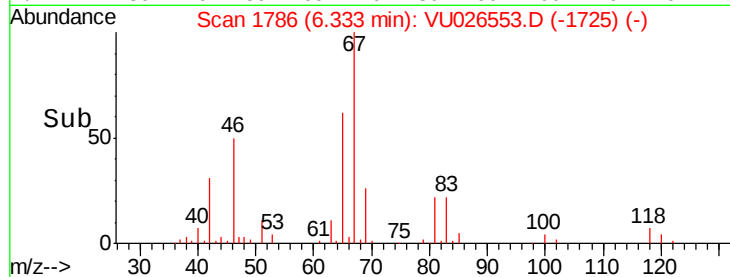
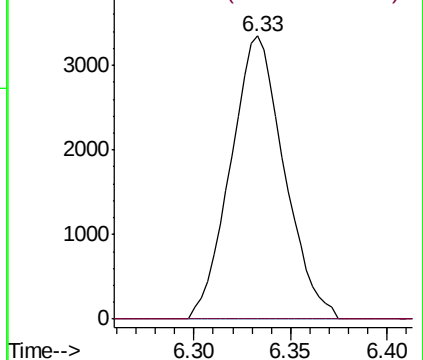
63 100

112 0.0 3.0 4.6#



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V



#46

Tetrachloroethene

Concen: 47.482 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. 0.00 min

Lab File: VU026553.D

Acq: 05 Sep 2018 19:42

Tgt Ion:164 Resp: 43754

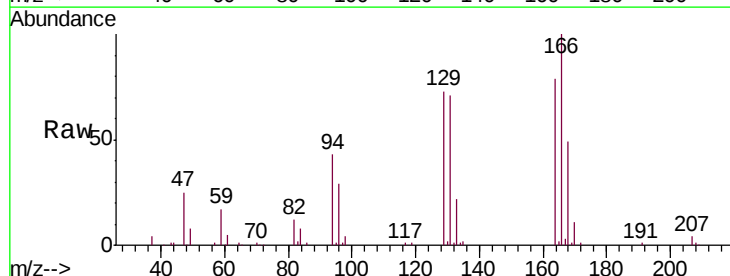
Ion Ratio Lower Upper

164 100

129 91.8 67.3 125.1

131 89.8 65.3 121.3

166 126.5 90.9 168.7

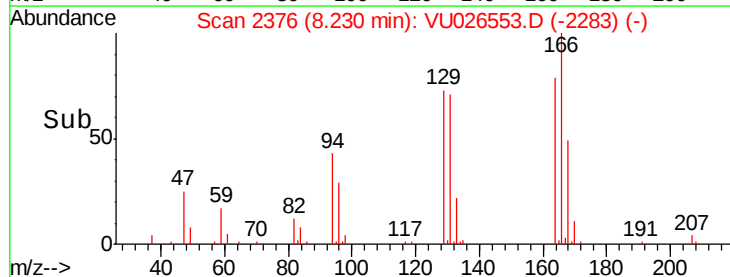
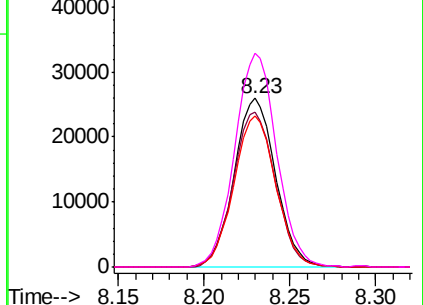


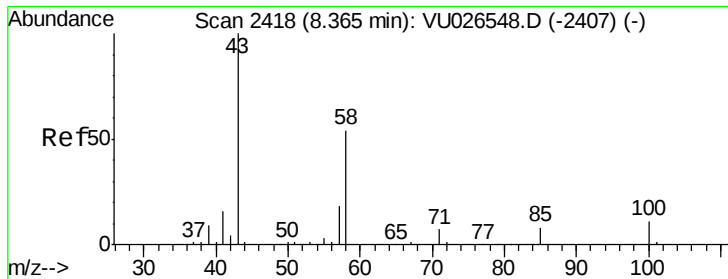
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

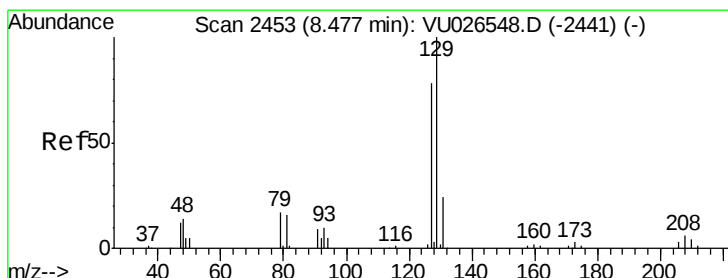
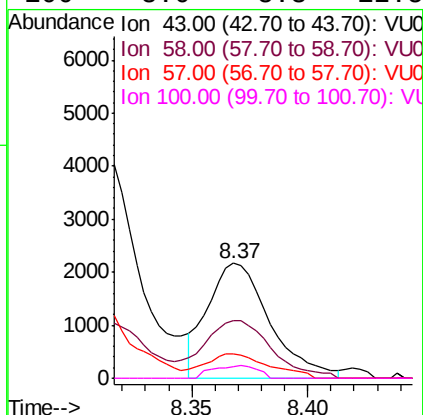
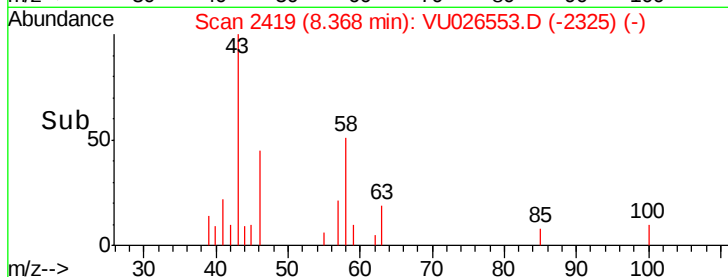
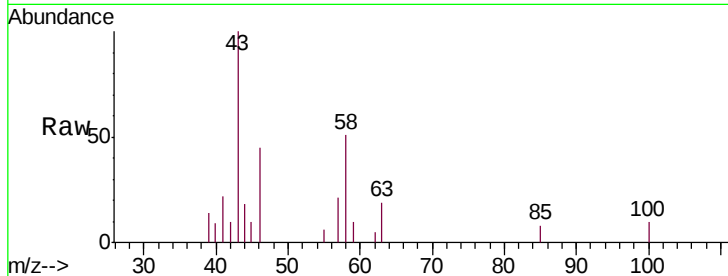




#48
2-Hexanone
Concen: 3.060 ug/L
RT: 8.37 min Scan# 2419
Delta R.T. 0.00 min
Lab File: VU026553.D
Acq: 05 Sep 2018 19:42

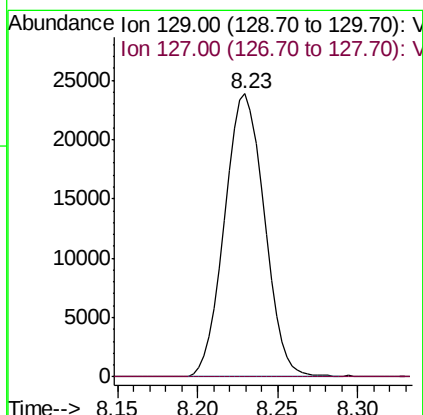
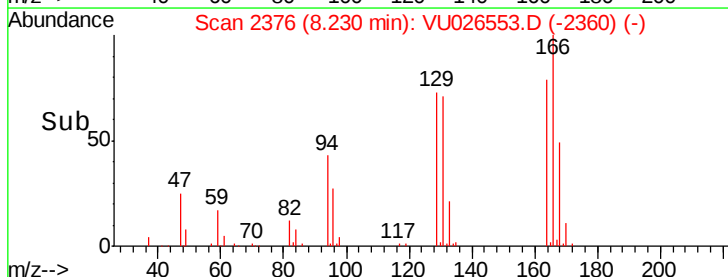
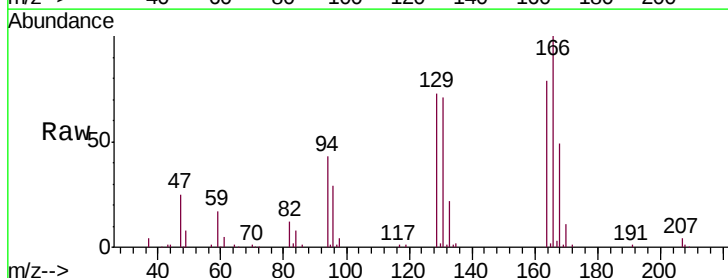
Instrument :
MSVOA_U
ClientSampleId :
BEE28

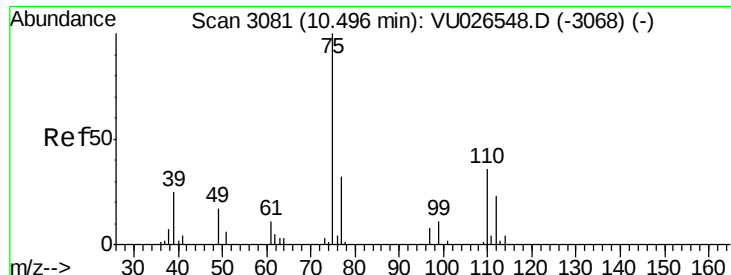
Tgt Ion: 43 Resp: 4043
Ion Ratio Lower Upper
43 100
58 54.0 42.2 63.4
57 22.2 14.6 21.8#
100 8.0 8.3 12.5#



#49
Dibromochloromethane
Concen: 31.647 ug/L
RT: 8.23 min Scan# 2376
Delta R.T. -0.25 min
Lab File: VU026553.D
Acq: 05 Sep 2018 19:42

Tgt Ion: 129 Resp: 40636
Ion Ratio Lower Upper
129 100
127 0.0 55.0 102.2#





#59

1,2,3-Trichloropropane

Concen: 4.839 ug/L

RT: 11.48 min Scan# 3388

Delta R.T. 0.99 min

Lab File: VU026553.D

Acq: 05 Sep 2018 19:42

Instrument :

MSVOA_U

ClientSampleId :

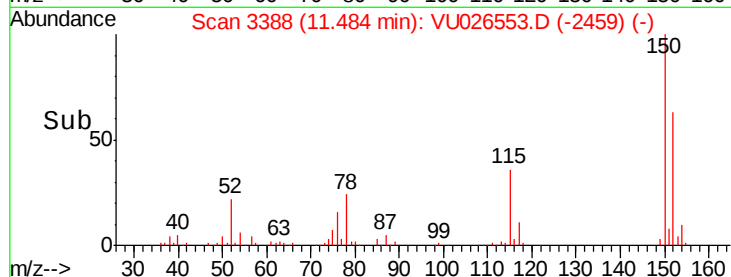
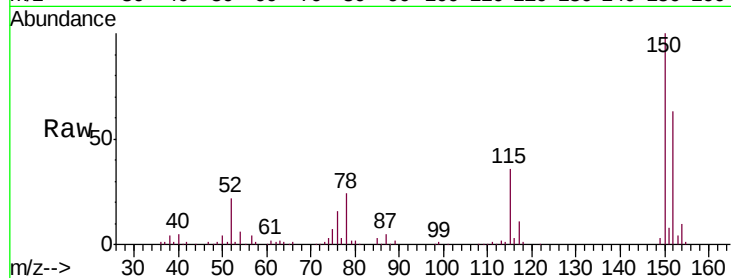
BEE28

Tgt Ion: 75 Resp: 7511

Ion Ratio Lower Upper

75 100

77 39.3 25.0 37.6#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

