

Data File : VU027834.D
Acq On : 26 Oct 2018 15:28
Operator : MD/SY
Sample : J5668-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ETBR3

Quant Time: Oct 27 01:46:58 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM102218WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Oct 27 01:41:17 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	121179	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	111693	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	51287	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	32636	34.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	69.22%
7) Chloroethane-d5	1.68	69	27625	38.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	76.12%
11) 1,1-Dichloroethene-d2	2.28	63	48979	28.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	57.68%#
21) 2-Butanone-d5	4.18	46	82638	102.85	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.85%
24) Chloroform-d	4.65	84	72451	42.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.48%
26) 1,2-Dichloroethane-d4	5.31	65	52480	44.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.42%
32) Benzene-d6	5.34	84	137009	43.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.14%
36) 1,2-Dichloropropane-d6	6.33	67	50833	44.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.52%
41) Toluene-d8	7.57	98	120645	41.12	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.24%
43) trans-1,3-Dichloropropene-	7.85	79	22529	40.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.70%
47) 2-Hexanone-d5	8.31	63	60070	103.36	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.36%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	68834	46.94	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.88%
64) 1,2-Dichlorobenzene-d4	11.86	152	46693	44.45	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.90%

Target Compounds

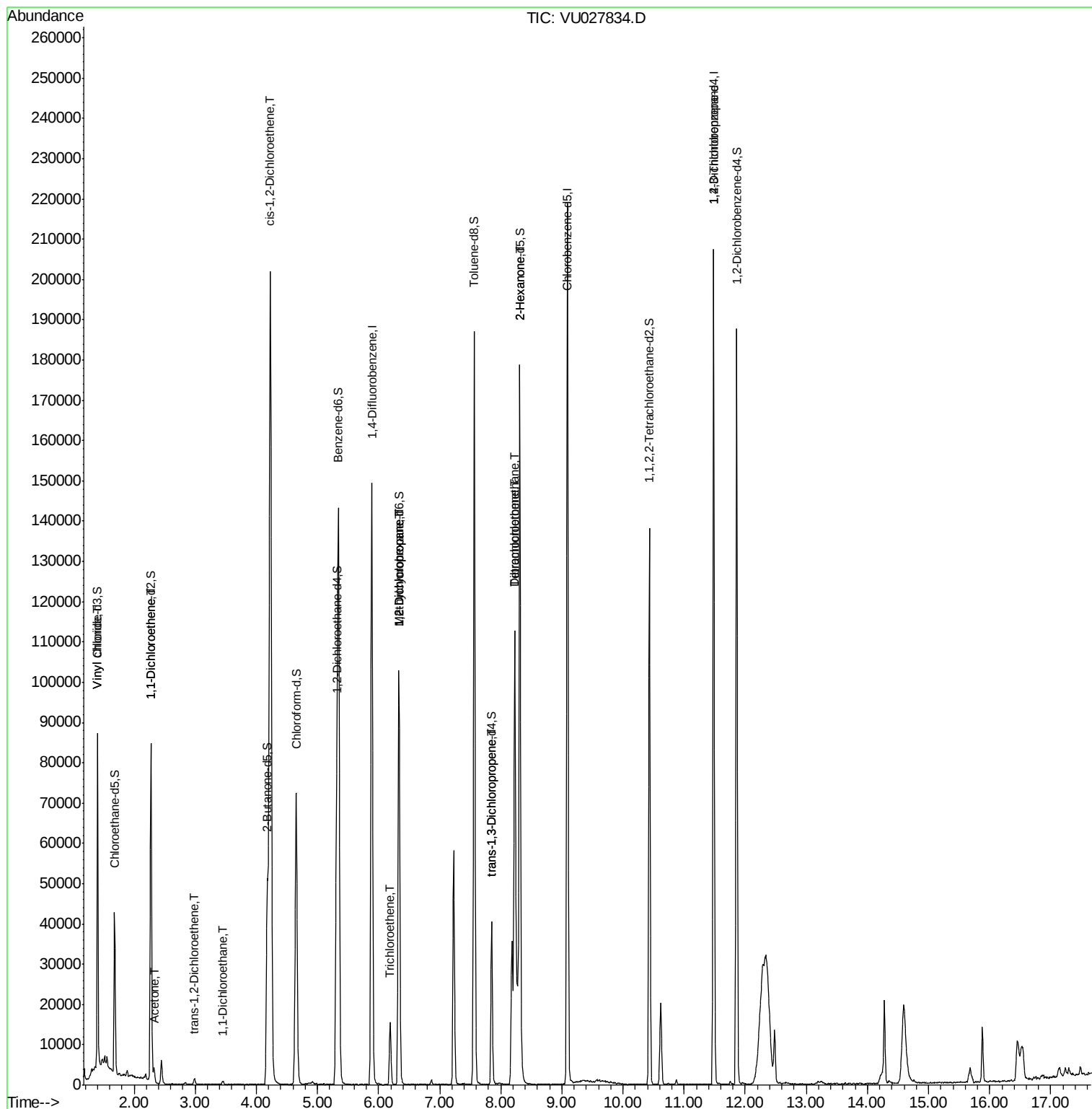
						Qvalue
5) Vinyl chloride	1.40	62	23629	21.593	ug/L #	82
12) 1,1-Dichloroethene	2.28	96	665	0.985	ug/L #	1
13) Acetone	2.32	43	3515	6.280	ug/L #	46
17) trans-1,2-Dichloroethene	2.98	96	556	0.744	ug/L	83
19) 1,1-Dichloroethane	3.45	63	1187	0.732	ug/L #	87
20) cis-1,2-Dichloroethene	4.23	96	106523	120.551	ug/L	100
34) Trichloroethene	6.19	95	5786	6.956	ug/L	95
35) Methylcyclohexane	6.33	83	11084	7.705	ug/L #	14
37) 1,2-Dichloropropane	6.33	63	5379	5.479	ug/L #	90
44) trans-1,3-Dichloropropene	7.85	75	836	0.585	ug/L	94
46) Tetrachloroethene	8.23	164	20099	31.287	ug/L	97
48) 2-Hexanone	8.31	43	7229	5.908	ug/L #	69
49) Dibromochloromethane	8.23	129	19281	20.065	ug/L #	11
59) 1,2,3-Trichloropropane	11.48	75	6343	5.467	ug/L	92

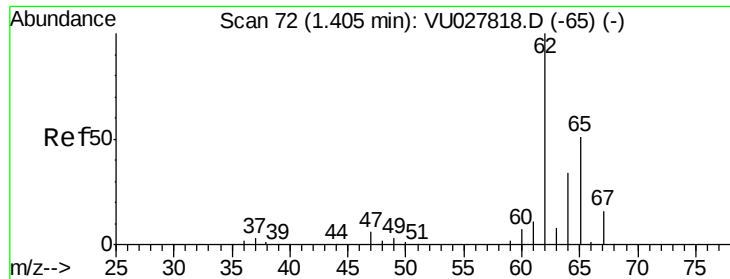
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 21.593 ug/L

RT: 1.40 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU027834.D

Acq: 26 Oct 2018 15:28

Instrument :

MSVOA_U

ClientSampleId :

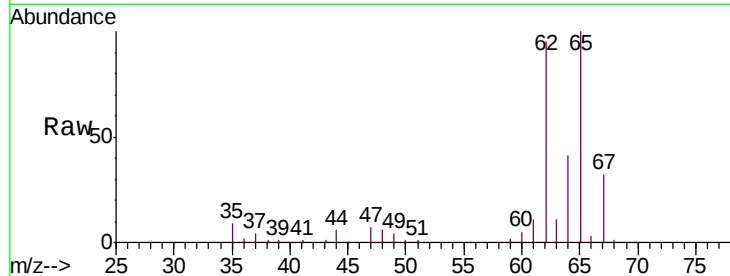
ETBR3

Tgt Ion: 62 Resp: 23629

Ion Ratio Lower Upper

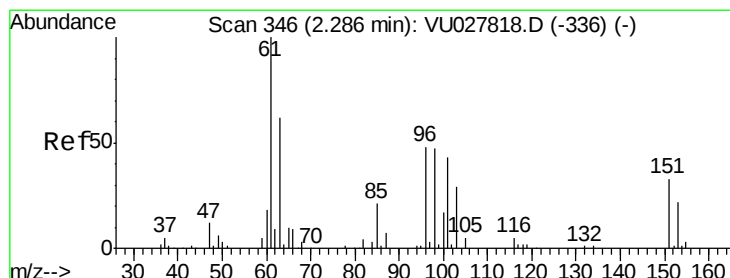
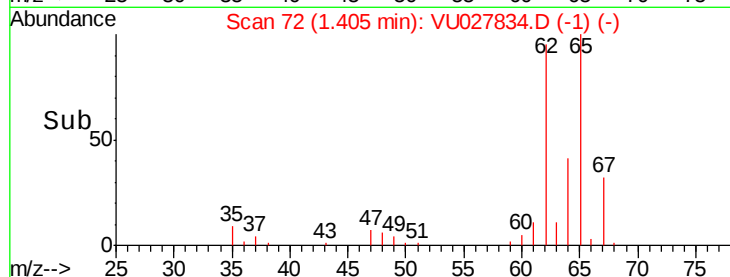
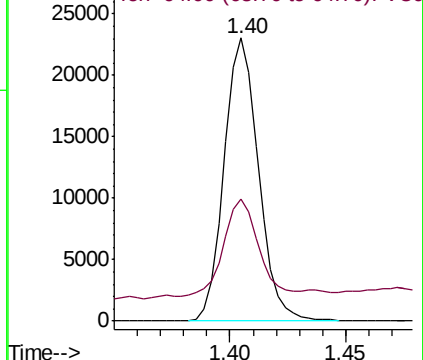
62 100

64 43.2 23.0 42.8#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#12

1,1-Dichloroethene

Concen: 0.985 ug/L

RT: 2.28 min Scan# 344

Delta R.T. -0.01 min

Lab File: VU027834.D

Acq: 26 Oct 2018 15:28

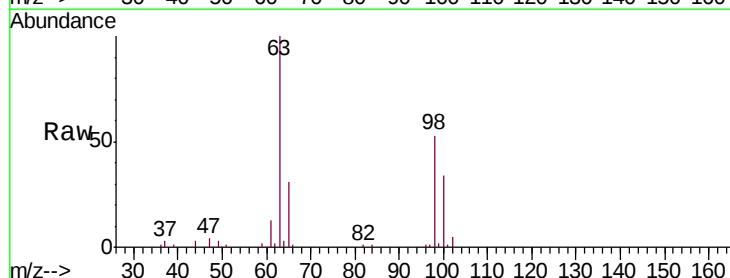
Tgt Ion: 96 Resp: 665

Ion Ratio Lower Upper

96 100

61 880.3 137.3 255.1#

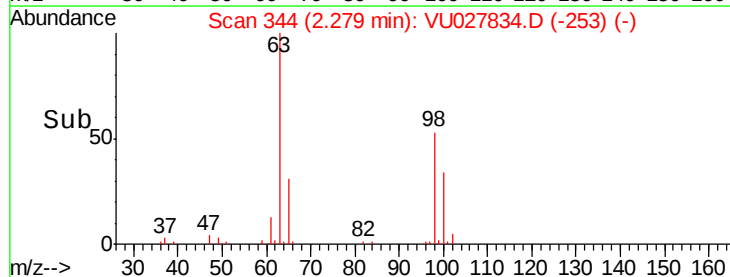
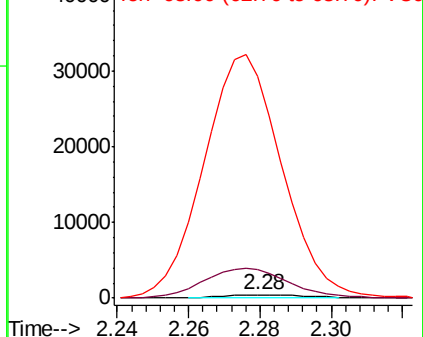
63 6803.7 109.8 204.0#

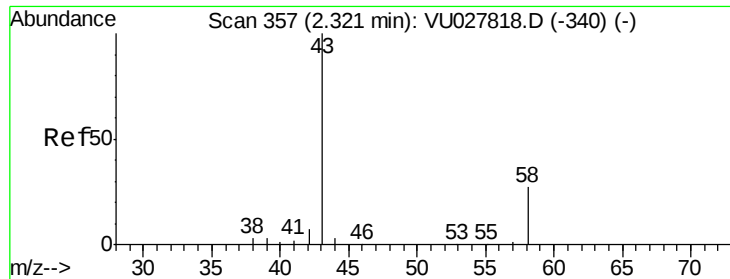


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 6.280 ug/L

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU027834.D

Acq: 26 Oct 2018 15:28

Instrument :

MSVOA_U

ClientSampleId :

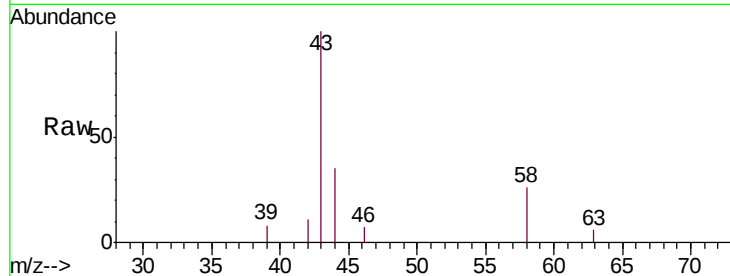
ETBR3

Tgt Ion: 43 Resp: 3515

Ion Ratio Lower Upper

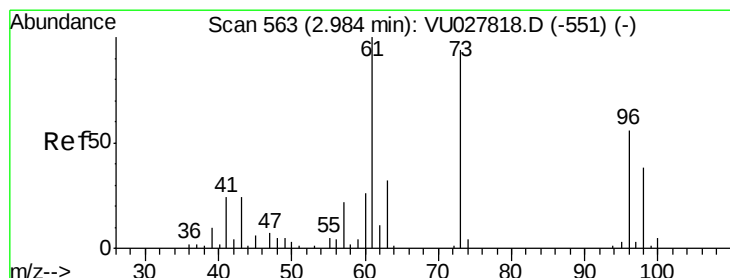
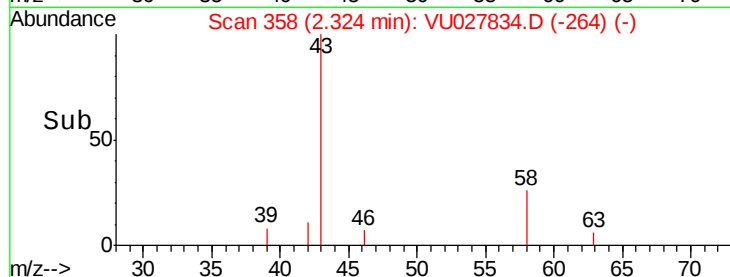
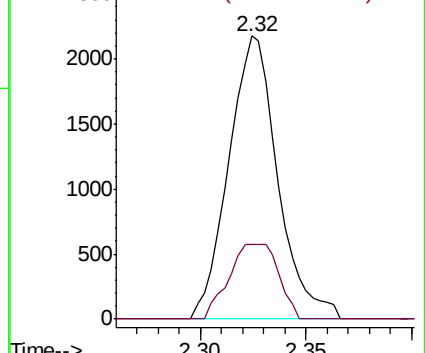
43 100

58 0.0 0.0 57.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#17

trans-1,2-Dichloroethene

Concen: 0.744 ug/L

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU027834.D

Acq: 26 Oct 2018 15:28

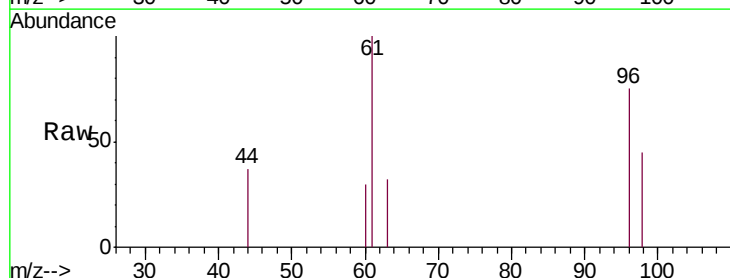
Tgt Ion: 96 Resp: 556

Ion Ratio Lower Upper

96 100

61 133.1 114.7 212.9

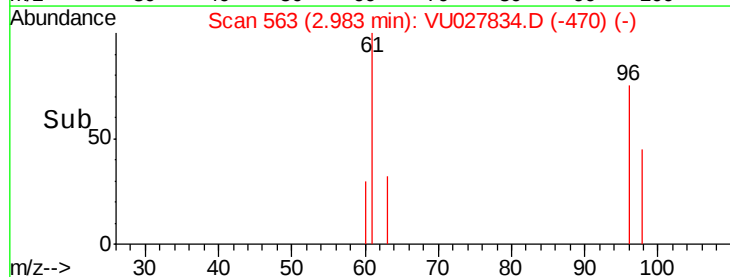
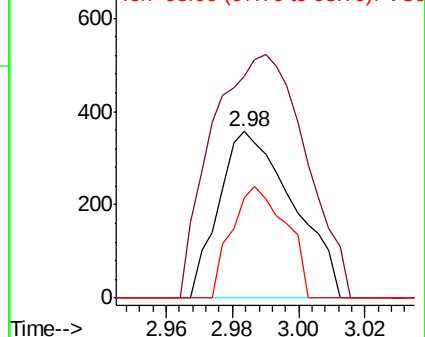
98 59.9 42.2 78.4

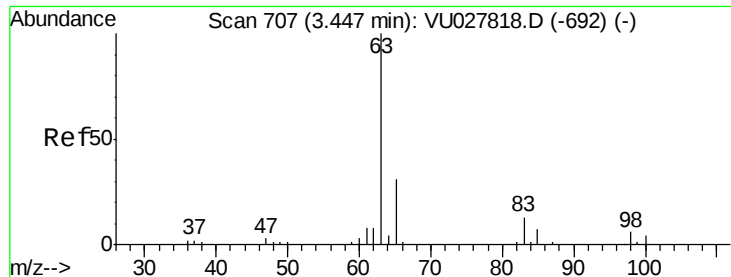


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

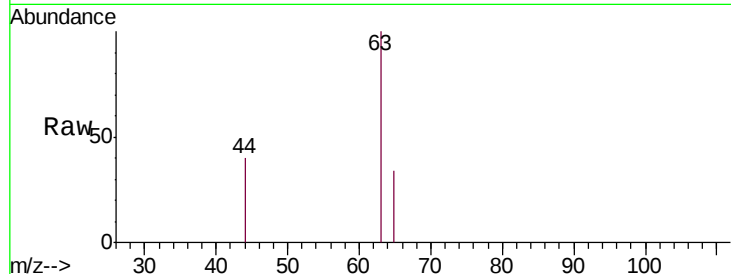




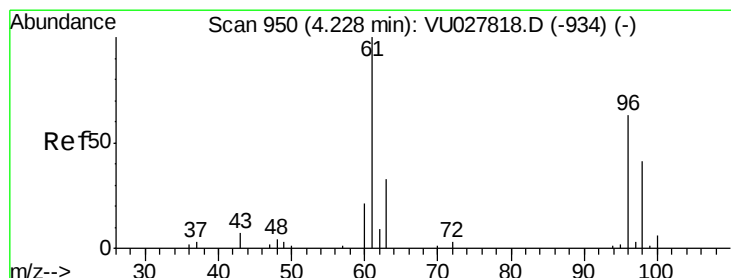
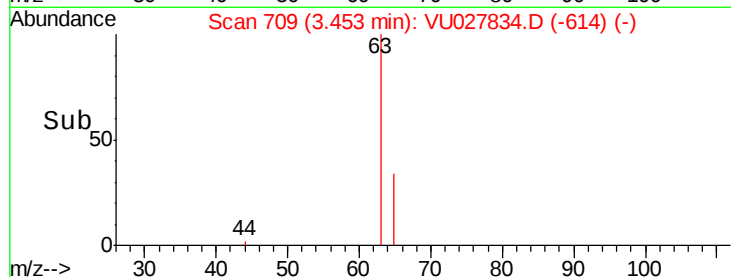
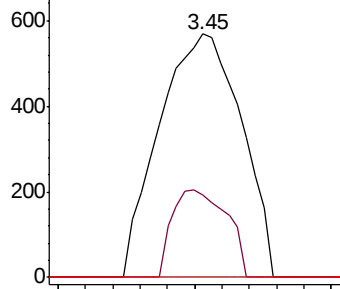
#19
 1,1-Dichloroethane
 Concen: 0.732 ug/L
 RT: 3.45 min Scan# 709
 Delta R.T. 0.01 min
 Lab File: VU027834.D
 Acq: 26 Oct 2018 15:28

Instrument :
 MSVOA_U
 ClientSampleId :
 ETBR3

Tgt Ion: 63 Resp: 1187
 Ion Ratio Lower Upper
 63 100
 65 34.1 22.2 41.2
 83 0.0 9.2 17.2#

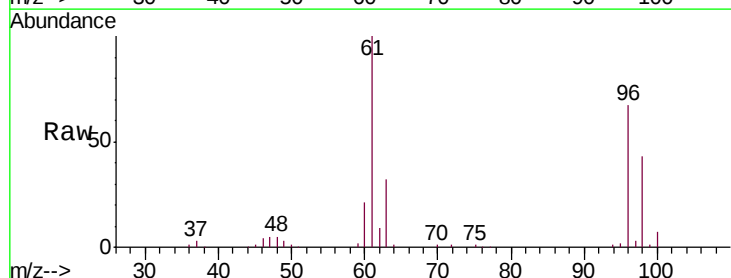


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

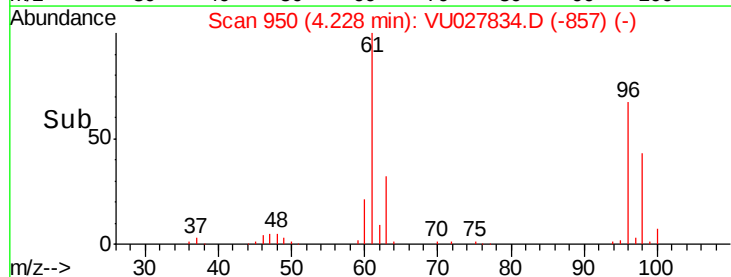
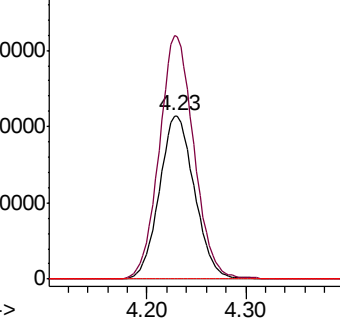


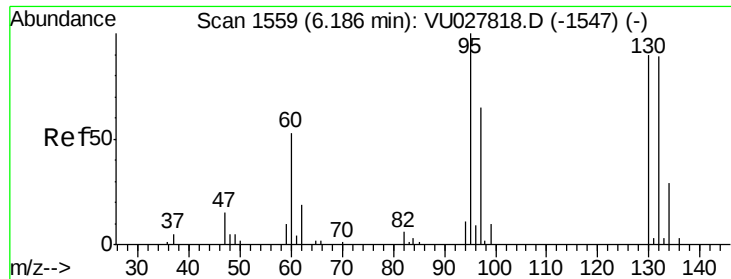
#20
 cis-1,2-Dichloroethene
 Concen: 120.551 ug/L
 RT: 4.23 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: VU027834.D
 Acq: 26 Oct 2018 15:28

Tgt Ion: 96 Resp: 106523
 Ion Ratio Lower Upper
 96 100
 61 149.1 104.2 193.4
 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





#34

Trichloroethene

Concen: 6.956 ug/L

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU027834.D

Acq: 26 Oct 2018 15:28

Instrument :

MSVOA_U

ClientSampleId :

ETBR3

Tgt Ion: 95 Resp: 5786

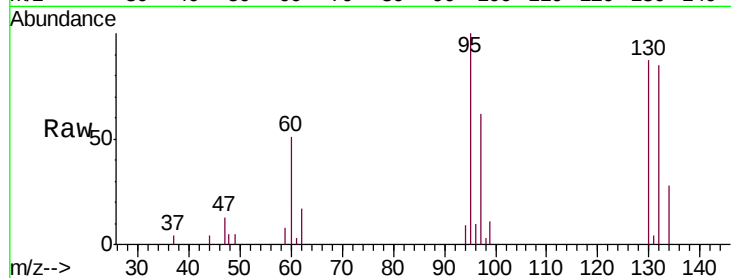
Ion Ratio Lower Upper

95 100

97 62.0 45.8 85.2

132 85.0 62.1 115.3

130 87.1 65.0 120.6

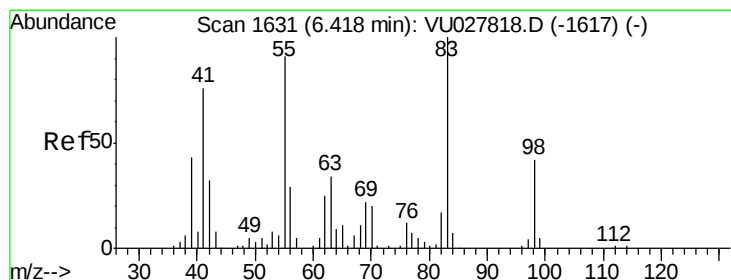
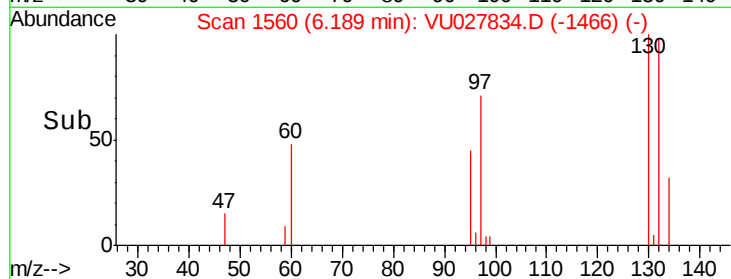
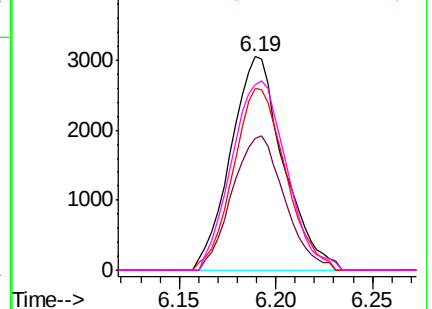


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 7.705 ug/L

RT: 6.33 min Scan# 1604

Delta R.T. -0.09 min

Lab File: VU027834.D

Acq: 26 Oct 2018 15:28

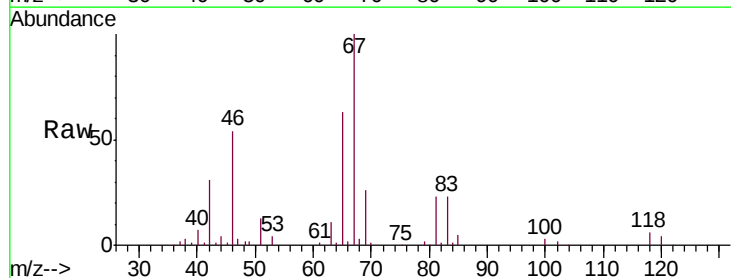
Tgt Ion: 83 Resp: 11084

Ion Ratio Lower Upper

83 100

55 0.0 71.9 107.9#

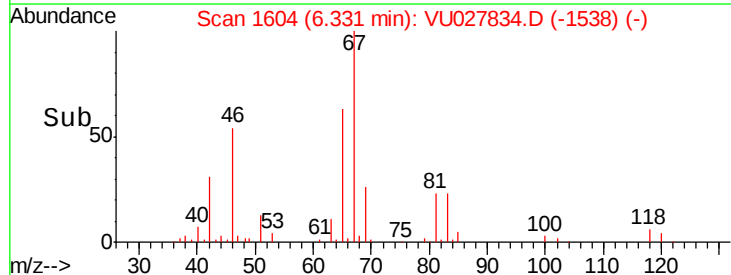
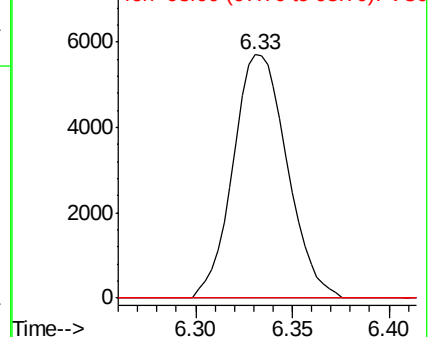
98 0.6 34.6 52.0#

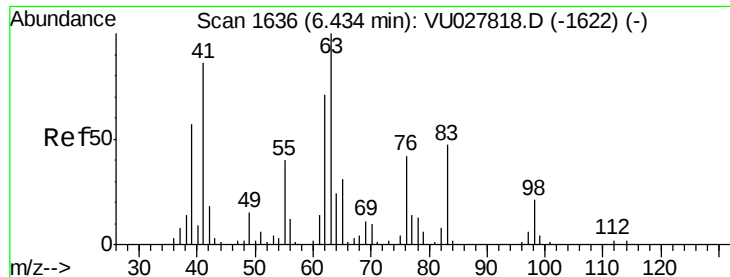


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

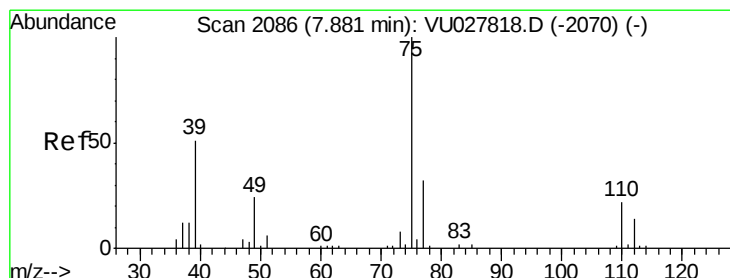
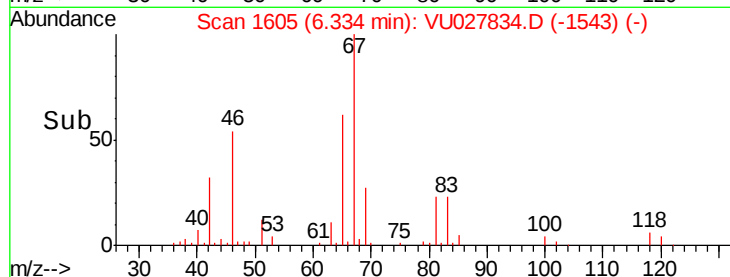
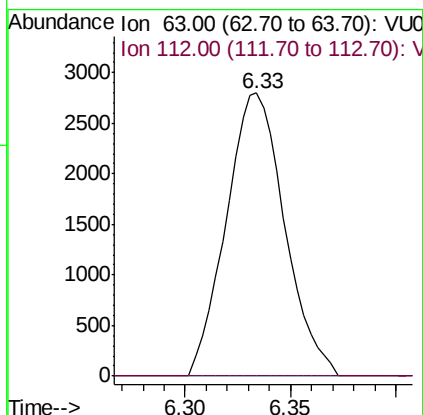
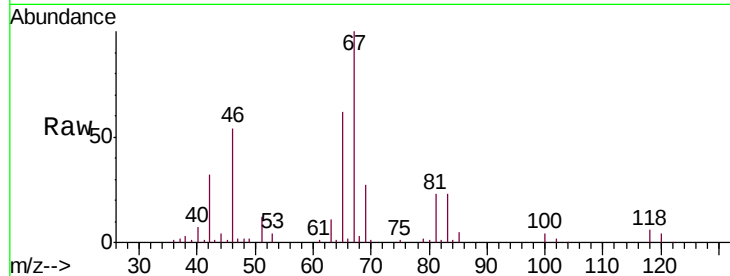




#37
 1,2-Dichloropropane
 Concen: 5.479 ug/L
 RT: 6.33 min Scan# 1605
 Delta R.T. -0.10 min
 Lab File: VU027834.D
 Acq: 26 Oct 2018 15:28

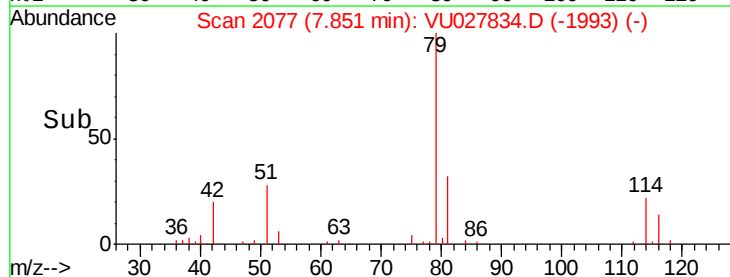
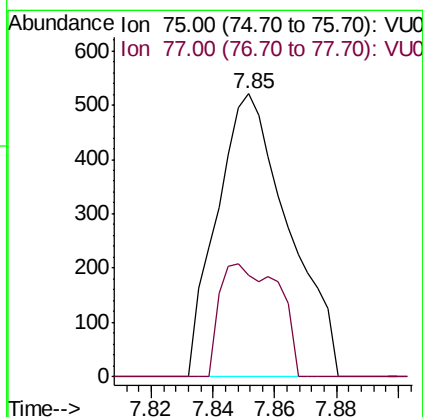
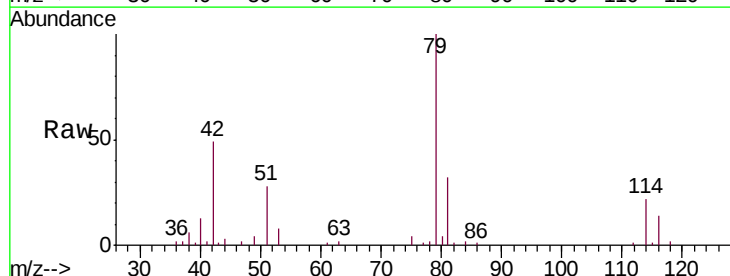
Instrument :
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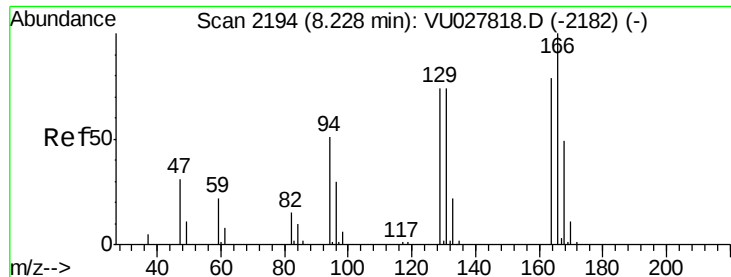
Tgt Ion: 63 Resp: 5379
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.6 3.8#



#44
 trans-1,3-Dichloropropene
 Concen: 0.585 ug/L
 RT: 7.85 min Scan# 2077
 Delta R.T. -0.03 min
 Lab File: VU027834.D
 Acq: 26 Oct 2018 15:28

Tgt Ion: 75 Resp: 836
 Ion Ratio Lower Upper
 75 100
 77 35.7 22.8 42.4

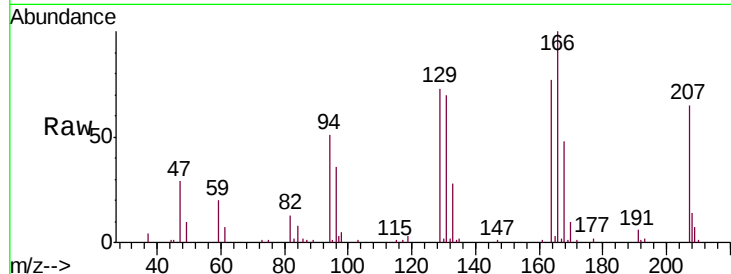




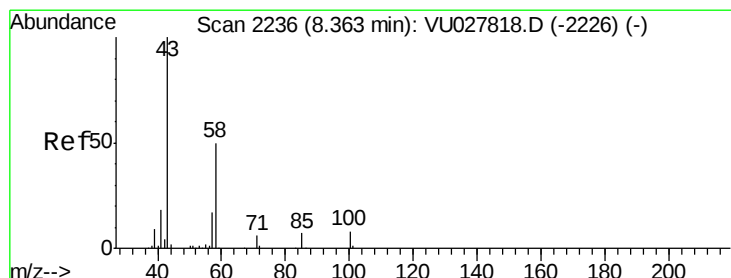
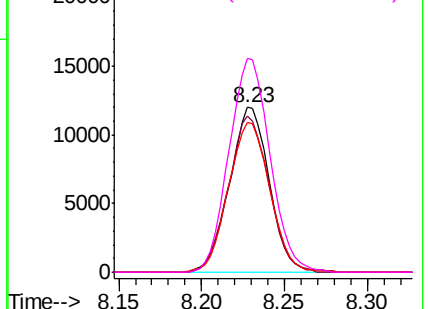
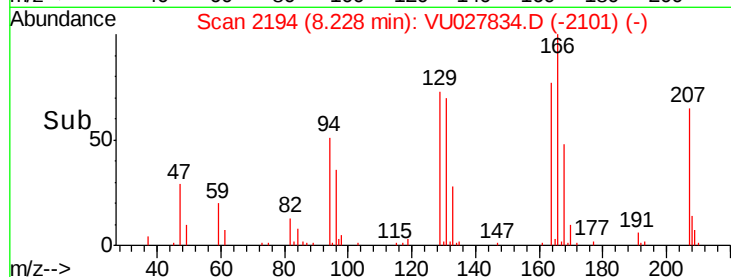
#46
Tetrachloroethene
Concen: 31.287 ug/L
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU027834.D
Acq: 26 Oct 2018 15:28

Instrument :
MSVOA_U
ClientSampleId :
ETBR3

Tgt Ion:164 Resp: 20099
Ion Ratio Lower Upper
164 100
129 94.7 68.5 127.3
131 91.1 67.1 124.5
166 129.5 92.2 171.2

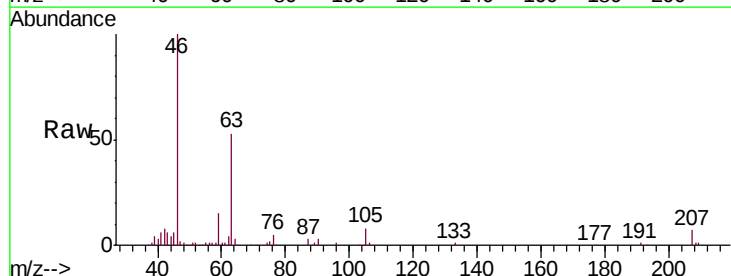


Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V

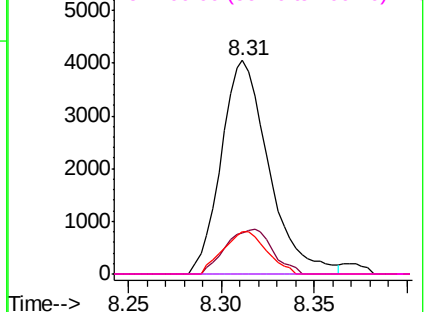
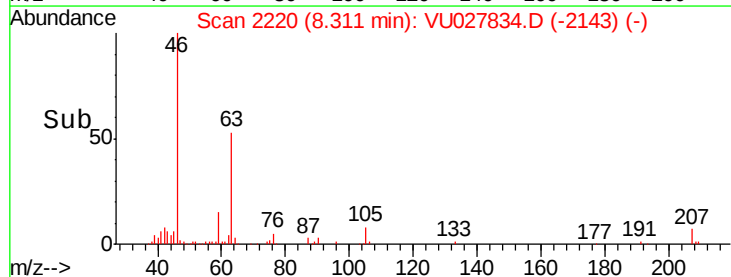


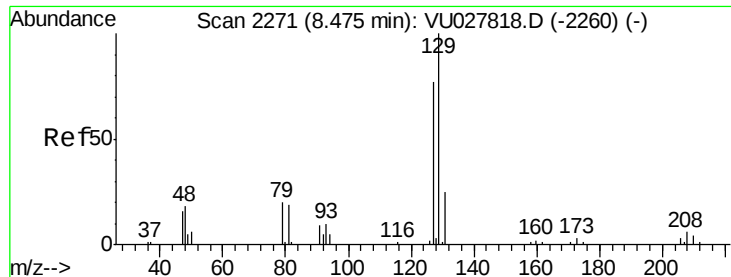
#48
2-Hexanone
Concen: 5.908 ug/L
RT: 8.31 min Scan# 2220
Delta R.T. -0.05 min
Lab File: VU027834.D
Acq: 26 Oct 2018 15:28

Tgt Ion: 43 Resp: 7229
Ion Ratio Lower Upper
43 100
58 20.5 38.8 58.2#
57 18.1 13.1 19.7
100 0.0 6.8 10.2#



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

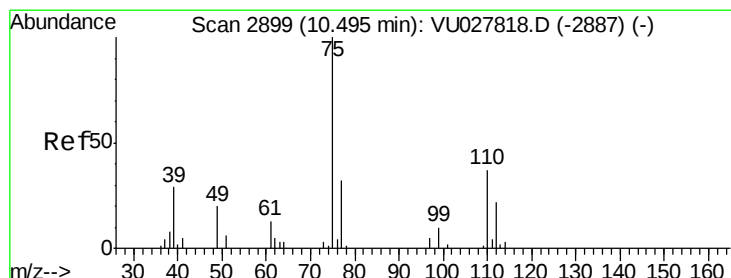
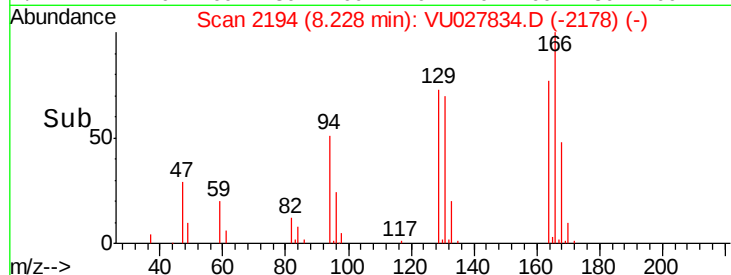
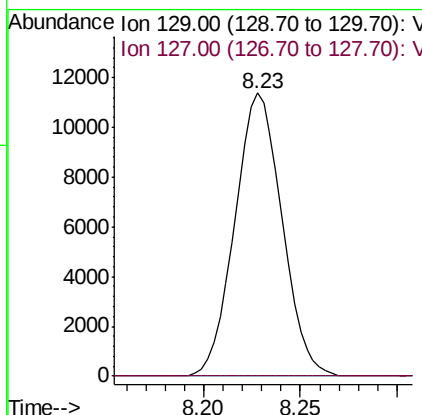
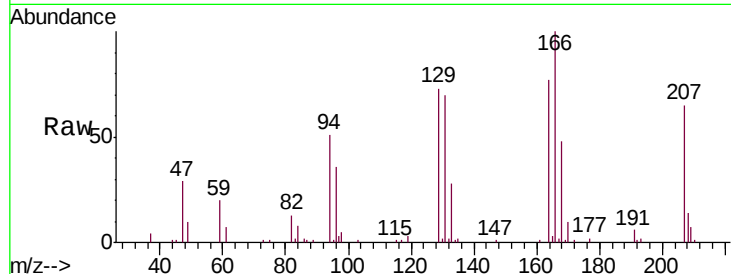




#49
 Dibromochloromethane
 Concen: 20.065 ug/L
 RT: 8.23 min Scan# 2194
 Delta R.T. -0.25 min
 Lab File: VU027834.D
 Acq: 26 Oct 2018 15:28

Instrument :
 MSVOA_U
 ClientSampleId :
 ETBR3

Tgt Ion: 129 Resp: 19281
 Ion Ratio Lower Upper
 129 100
 127 0.0 54.1 100.5#



#59
 1,2,3-Trichloropropane
 Concen: 5.467 ug/L
 RT: 11.48 min Scan# 3206
 Delta R.T. 0.99 min
 Lab File: VU027834.D
 Acq: 26 Oct 2018 15:28

Tgt Ion: 75 Resp: 6343
 Ion Ratio Lower Upper
 75 100
 77 37.6 26.5 39.7

