

Data File : VU032778.D
Acq On : 17 Jun 2019 13:38
Operator : JC/SP
Sample : VU0617MBL01
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VBLK31

Quant Time: Jun 18 02:42:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jun 18 02:39:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	224097	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	212791	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	108490	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	72133	47.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.20%
7) Chloroethane-d5	1.68	69	57299	46.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.82%
11) 1,1-Dichloroethene-d2	2.26	63	108526	35.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.36%
21) 2-Butanone-d5	4.17	46	122983	96.48	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.48%
24) Chloroform-d	4.64	84	135954	45.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.32%
26) 1,2-Dichloroethane-d4	5.30	65	95382	48.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.18%
32) Benzene-d6	5.33	84	273582	49.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.64%
36) 1,2-Dichloropropane-d6	6.32	67	88428	50.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.08%
41) Toluene-d8	7.56	98	252928	48.69	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.38%
43) trans-1,3-Dichloropropene-	7.85	79	43731	47.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.16%
47) 2-Hexanone-d5	8.31	63	80261	97.27	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.27%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	126787	46.41	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.82%
64) 1,2-Dichlorobenzene-d4	11.85	152	103611	49.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.70%

Target Compounds

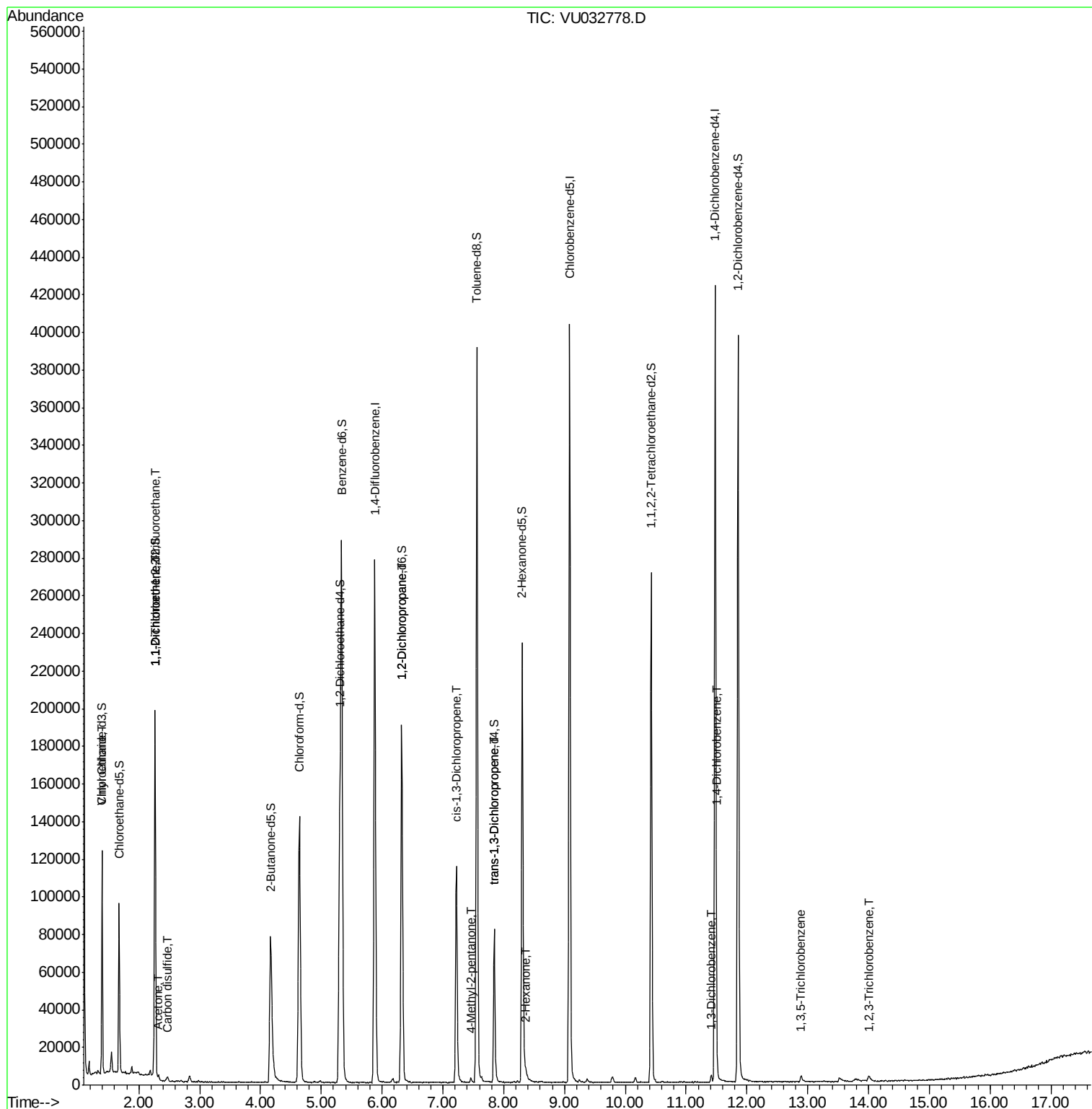
					Qvalue	
8) Chloroethane	1.40	64	1140	0.973	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1105	0.738	ug/L #	17
12) 1,1-Dichloroethene	2.26	96	1080	0.765	ug/L #	1
13) Acetone	2.32	43	1579	0.897	ug/L	84
14) Carbon disulfide	2.47	76	2516	0.563	ug/L #	88
37) 1,2-Dichloropropane	6.32	63	10282	6.115	ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	3250	1.241	ug/L #	75
40) 4-Methyl-2-pentanone	7.46	43	1520	0.566	ug/L #	77
44) trans-1,3-Dichloropropene	7.85	75	2327	0.946	ug/L	86
48) 2-Hexanone	8.37	43	2516	1.062	ug/L #	74
62) 1,3-Dichlorobenzene	11.41	146	2153	0.638	ug/L	86
63) 1,4-Dichlorobenzene	11.50	146	2739	0.786	ug/L	93
67) 1,3,5-Trichlorobenzene	12.89	180	2104	0.777	ug/L #	52
70) 1,2,3-Trichlorobenzene	14.01	180	1562	0.633	ug/L #	66

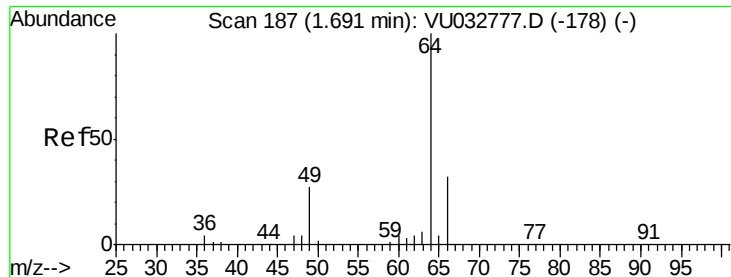
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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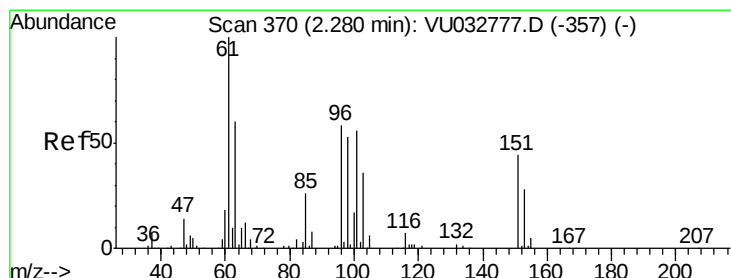
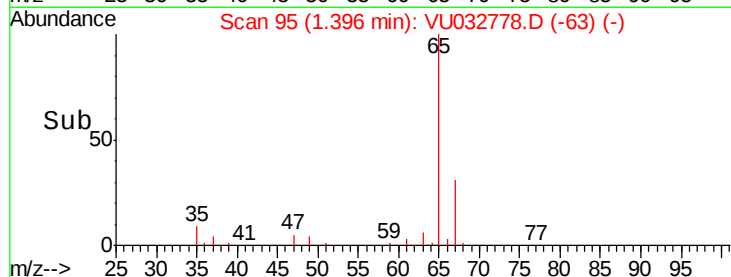
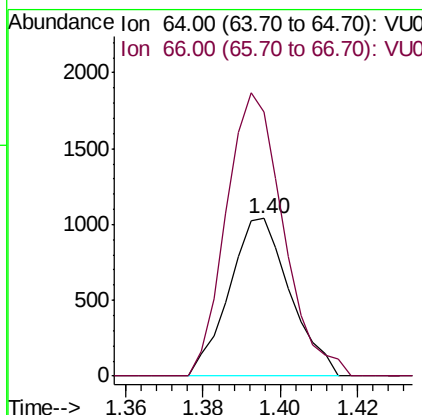
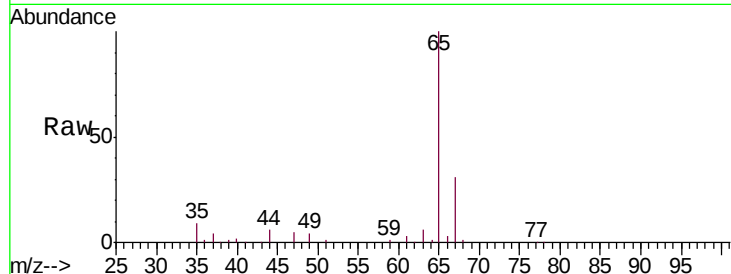




#8
 Chloroethane
 Concen: 0.973 ug/L
 RT: 1.40 min Scan# 95
 Delta R.T. -0.30 min
 Lab File: VU032778.D
 Acq: 17 Jun 2019 13:38

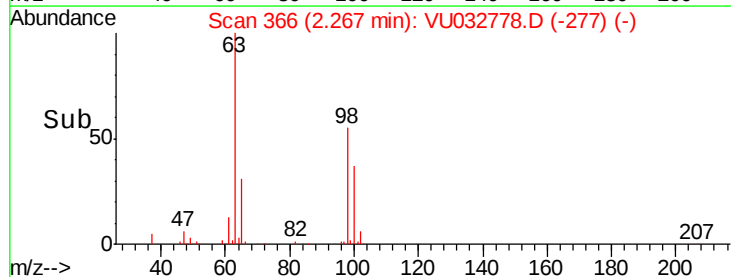
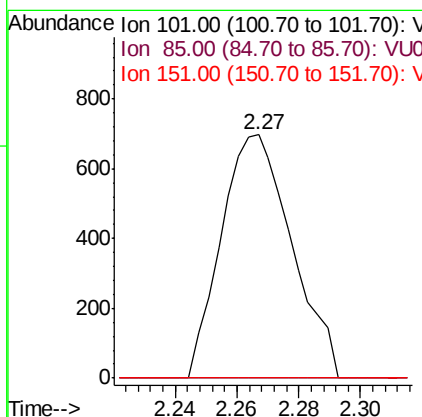
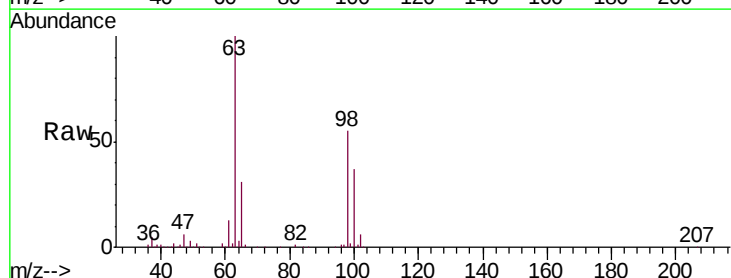
Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK31

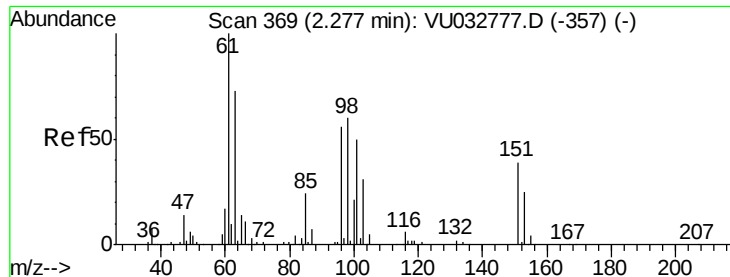
Tgt Ion: 64 Resp: 1140
 Ion Ratio Lower Upper
 64 100
 66 167.4 22.5 41.7#



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.738 ug/L
 RT: 2.27 min Scan# 366
 Delta R.T. -0.01 min
 Lab File: VU032778.D
 Acq: 17 Jun 2019 13:38

Tgt Ion: 101 Resp: 1105
 Ion Ratio Lower Upper
 101 100
 85 0.0 36.8 55.2#
 151 0.0 63.6 95.4#





#12

1,1-Dichloroethene

Concen: 0.765 ug/L

RT: 2.26 min Scan# 365

Delta R.T. -0.01 min

Lab File: VU032778.D

Acq: 17 Jun 2019 13:38

Instrument :

MSVOA_U

ClientSampleId :

VBLK31

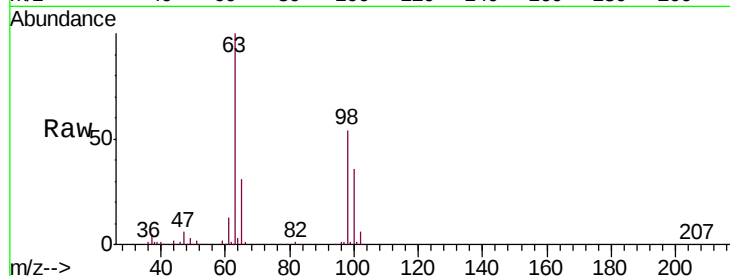
Tgt Ion: 96 Resp: 1080

Ion Ratio Lower Upper

96 100

61 1580.4 131.0 243.4#

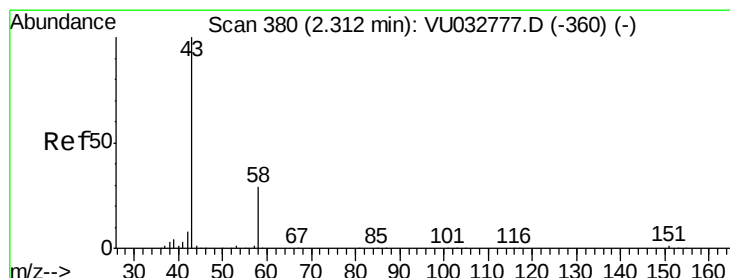
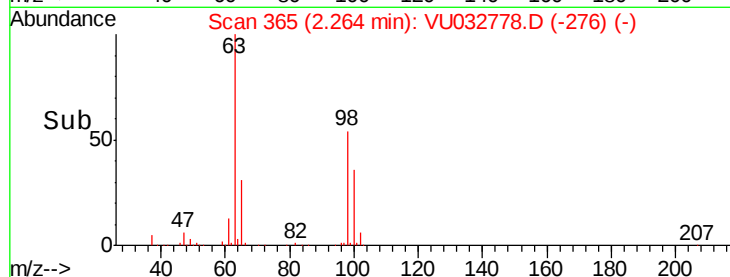
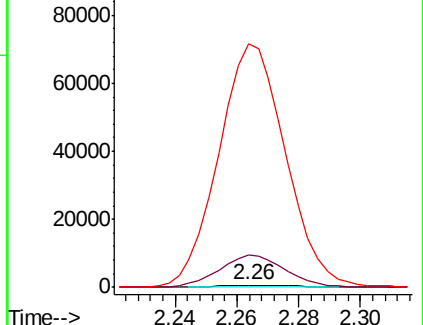
63 12076.9 101.0 187.6#



Abundance Ion 96.00 (95.70 to 96.70): VU032778.D (-365) (-)

Ion 61.00 (60.70 to 61.70): VU032778.D (-365) (-)

Ion 63.00 (62.70 to 63.70): VU032778.D (-365) (-)



#13

Acetone

Concen: 0.897 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VU032778.D

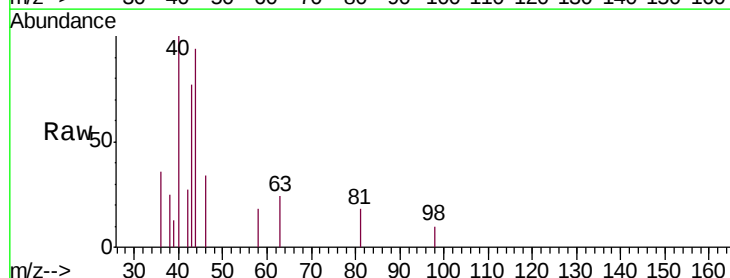
Acq: 17 Jun 2019 13:38

Tgt Ion: 43 Resp: 1579

Ion Ratio Lower Upper

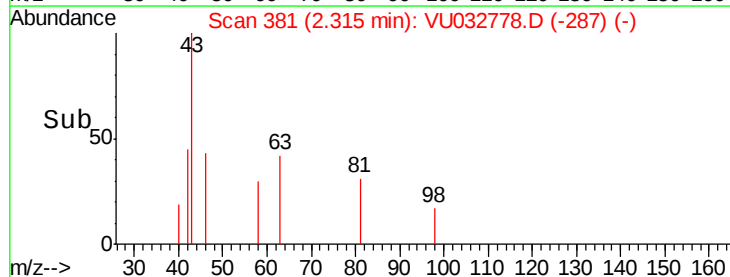
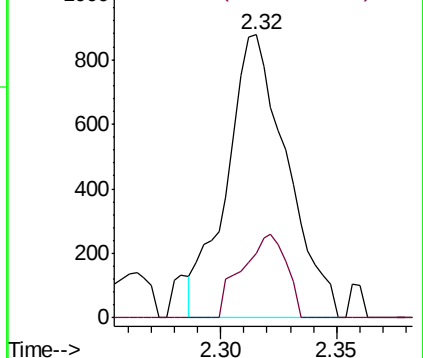
43 100

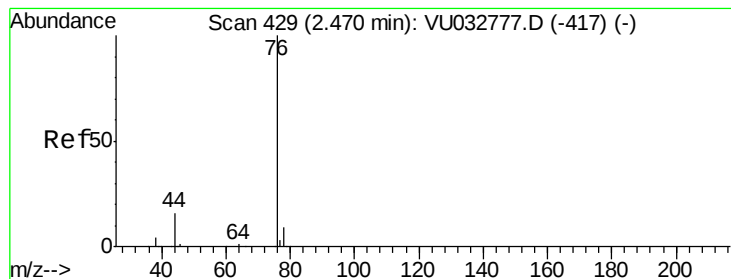
58 21.8 0.0 60.6



Abundance Ion 43.00 (42.70 to 43.70): VU032778.D (-381) (-)

Ion 58.00 (57.70 to 58.70): VU032778.D (-381) (-)





#14

Carbon disulfide

Concen: 0.563 ug/L

RT: 2.47 min Scan# 429

Delta R.T. -0.00 min

Lab File: VU032778.D

Acq: 17 Jun 2019 13:38

Instrument :

MSVOA_U

ClientSampleId :

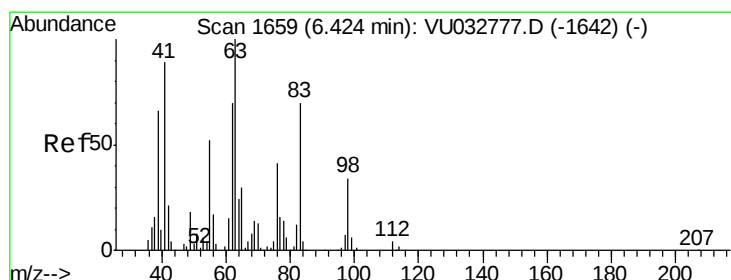
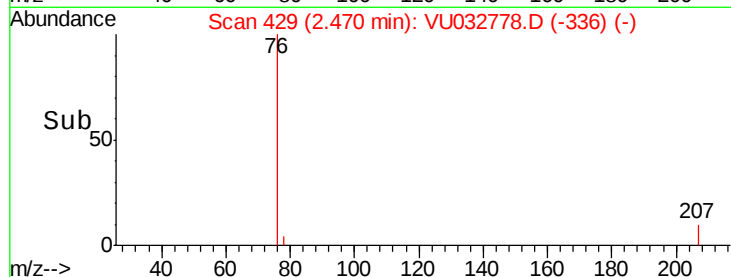
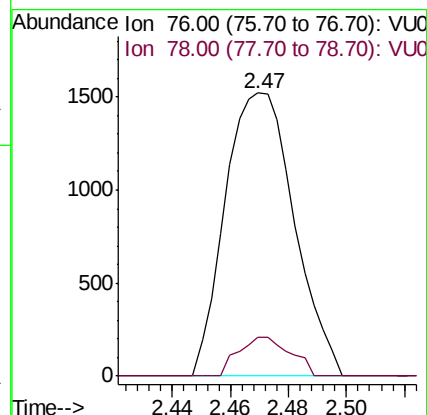
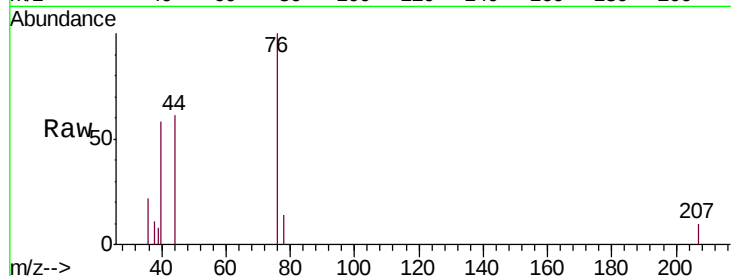
VBLK31

Tgt Ion: 76 Resp: 2516

Ion Ratio Lower Upper

76 100

78 13.5 7.3 10.9#



#37

1,2-Dichloropropane

Concen: 6.115 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.10 min

Lab File: VU032778.D

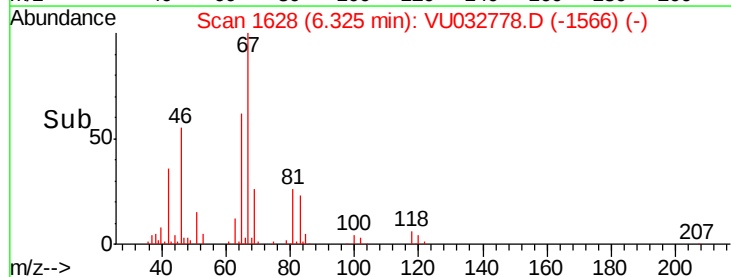
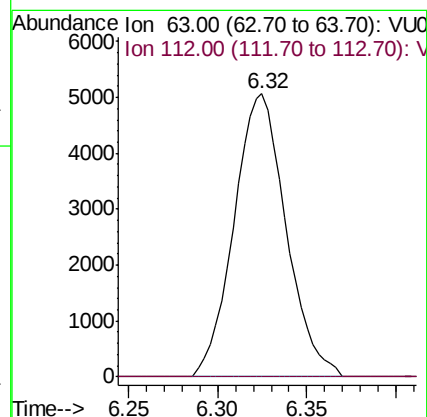
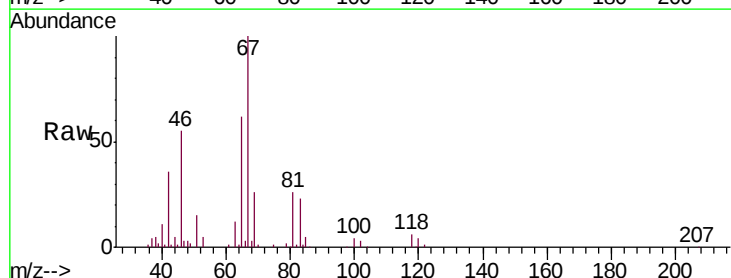
Acq: 17 Jun 2019 13:38

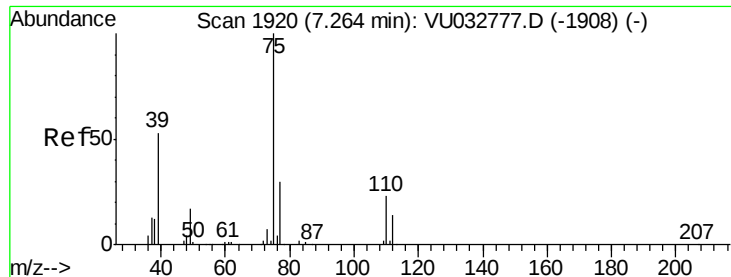
Tgt Ion: 63 Resp: 10282

Ion Ratio Lower Upper

63 100

112 0.0 3.0 4.6#

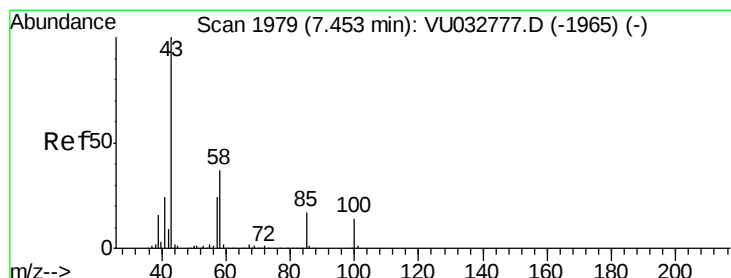
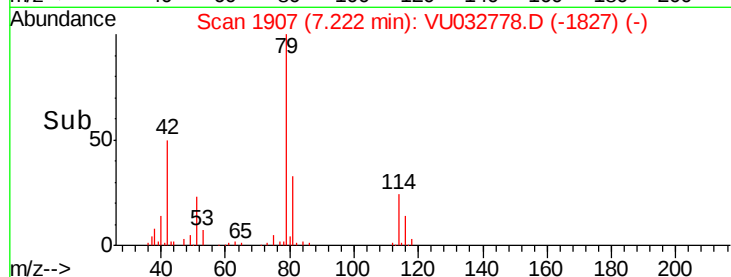
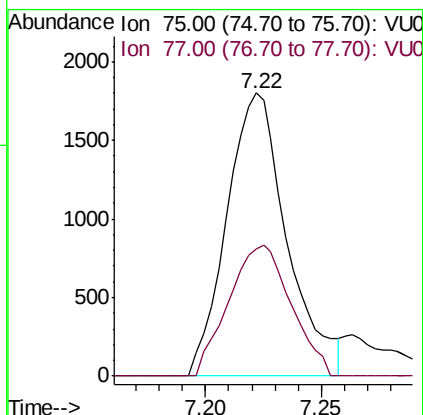
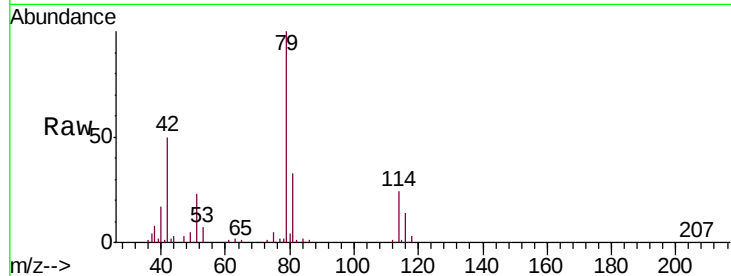




#39
 cis-1,3-Dichloropropene
 Concen: 1.241 ug/L
 RT: 7.22 min Scan# 1907
 Delta R.T. -0.04 min
 Lab File: VU032778.D
 Acq: 17 Jun 2019 13:38

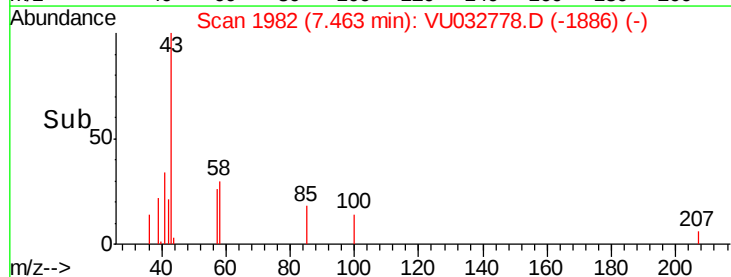
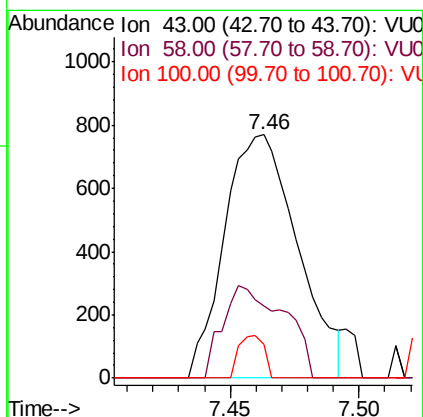
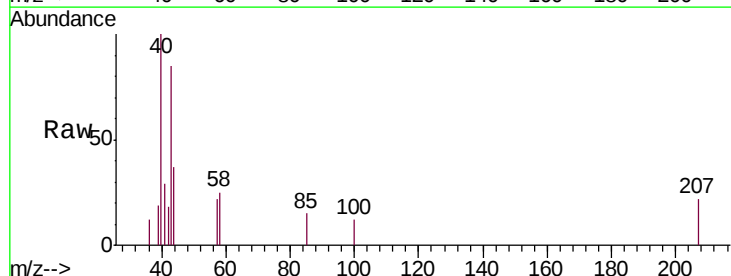
Instrument :
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 VBLK31

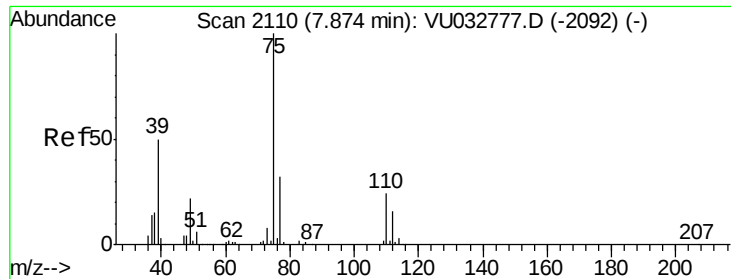
Tgt Ion: 75 Resp: 3250
 Ion Ratio Lower Upper
 75 100
 77 44.9 21.9 40.7#



#40
 4-Methyl-2-pentanone
 Concen: 0.566 ug/L
 RT: 7.46 min Scan# 1982
 Delta R.T. 0.01 min
 Lab File: VU032778.D
 Acq: 17 Jun 2019 13:38

Tgt Ion: 43 Resp: 1520
 Ion Ratio Lower Upper
 43 100
 58 22.8 29.4 44.2#
 100 6.1 11.2 16.8#

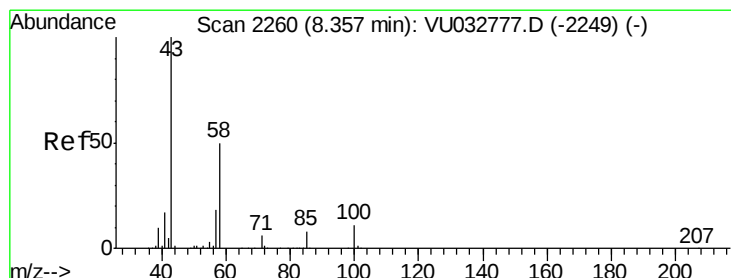
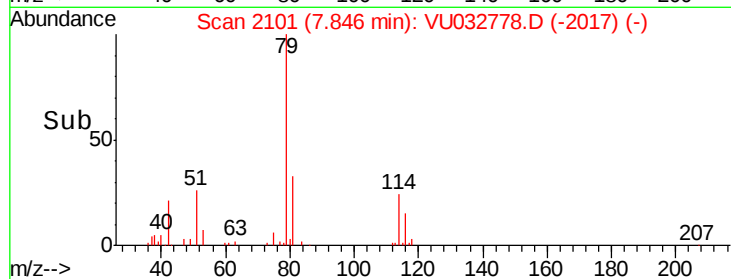
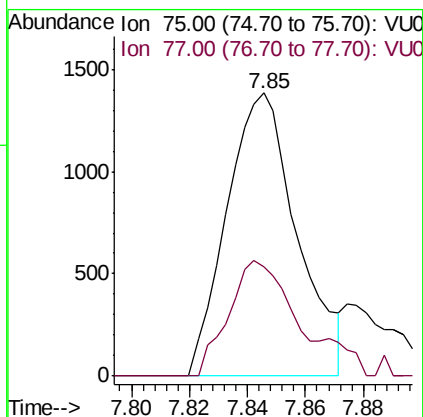
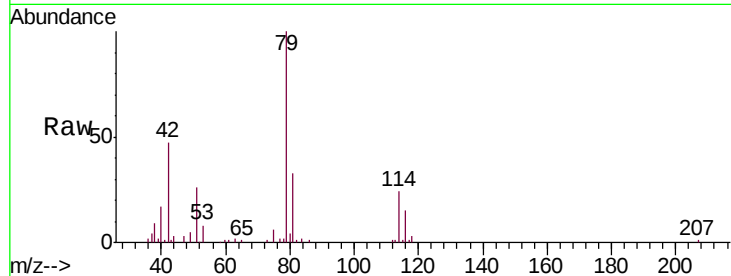




#44
trans-1,3-Dichloropropene
Concen: 0.946 ug/L
RT: 7.85 min Scan# 2101
Delta R.T. -0.03 min
Lab File: VU032778.D
Acq: 17 Jun 2019 13:38

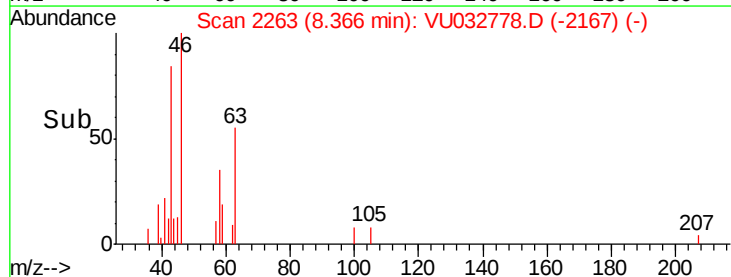
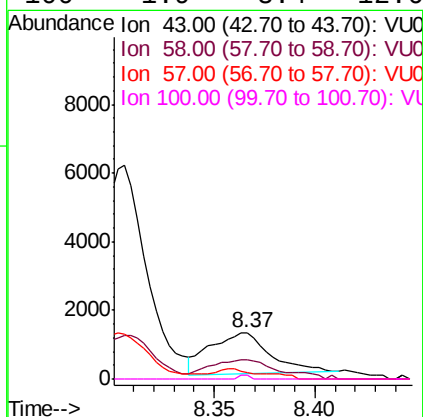
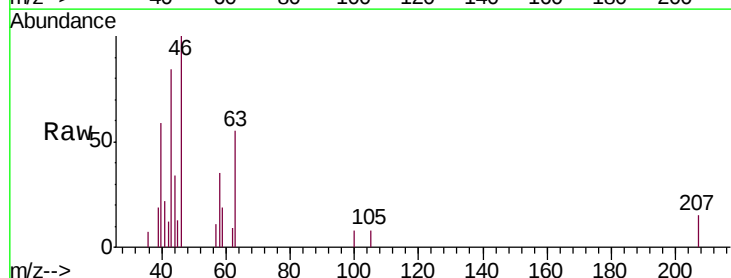
Instrument :
MSVOA_U
ClientSampled :
VBLK31

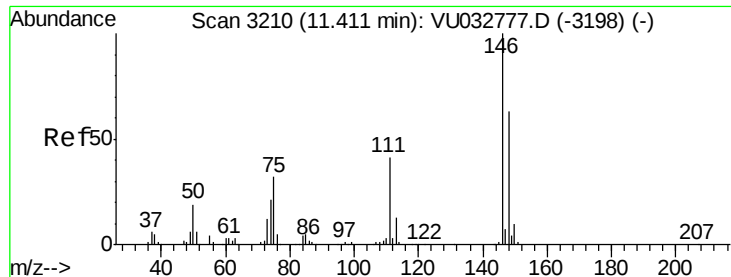
Tgt Ion: 75 Resp: 2327
Ion Ratio Lower Upper
75 100
77 38.8 21.8 40.4



#48
2-Hexanone
Concen: 1.062 ug/L
RT: 8.37 min Scan# 2263
Delta R.T. 0.01 min
Lab File: VU032778.D
Acq: 17 Jun 2019 13:38

Tgt Ion: 43 Resp: 2516
Ion Ratio Lower Upper
43 100
58 32.0 40.2 60.2#
57 6.6 14.2 21.4#
100 1.9 8.4 12.6#





#62

1,3-Dichlorobenzene

Concen: 0.638 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: VU032778.D

Acq: 17 Jun 2019 13:38

Instrument :

MSVOA_U

ClientSampleId :

VBLK31

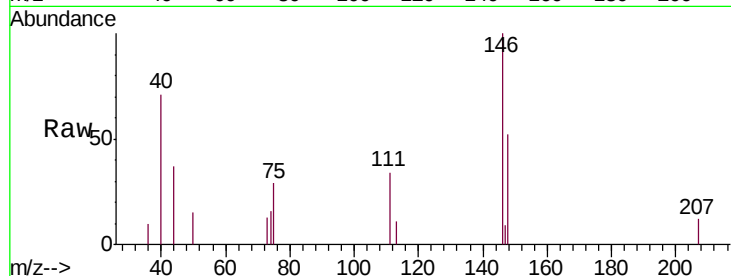
Tgt Ion:146 Resp: 2153

Ion Ratio Lower Upper

146 100

111 34.2 28.4 52.8

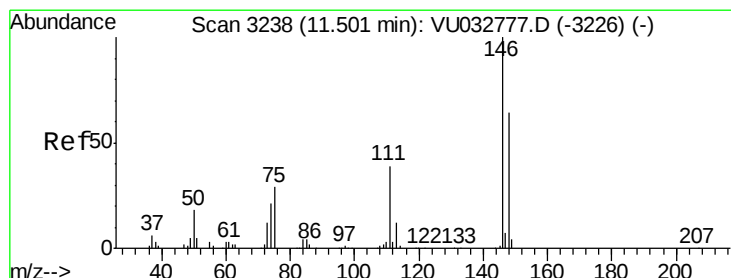
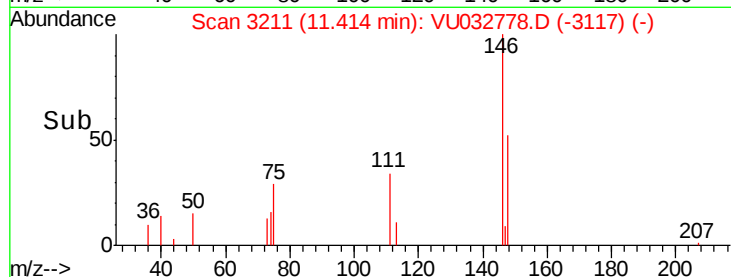
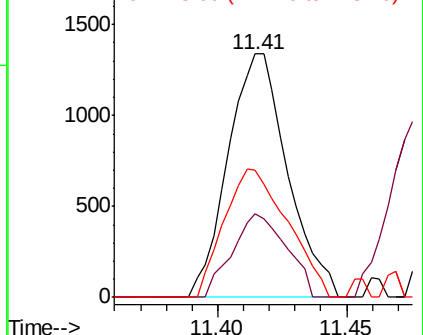
148 52.1 45.5 84.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 0.786 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU032778.D

Acq: 17 Jun 2019 13:38

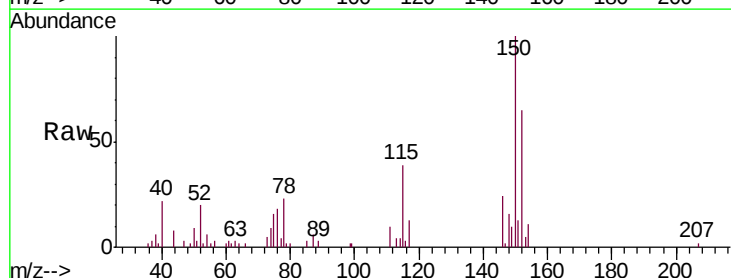
Tgt Ion:146 Resp: 2739

Ion Ratio Lower Upper

146 100

111 42.3 26.9 50.1

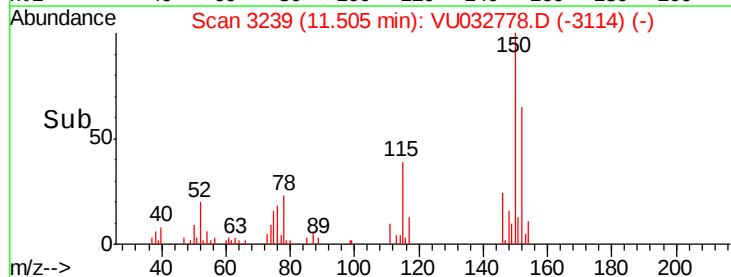
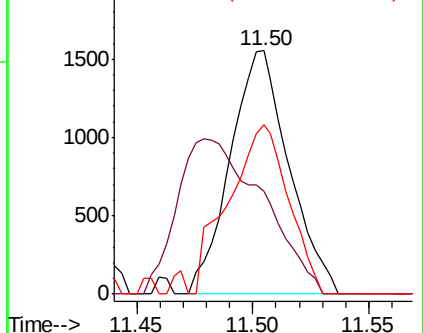
148 69.5 44.7 83.1

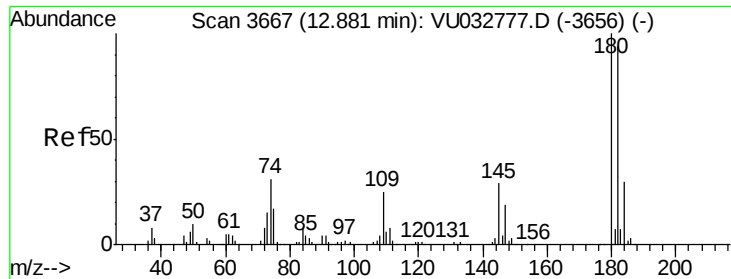


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

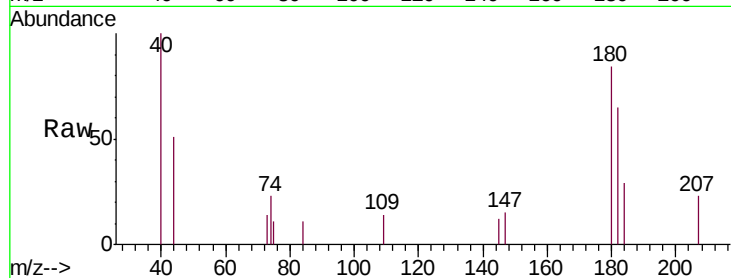




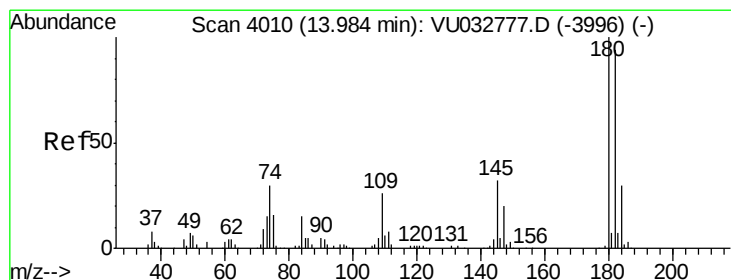
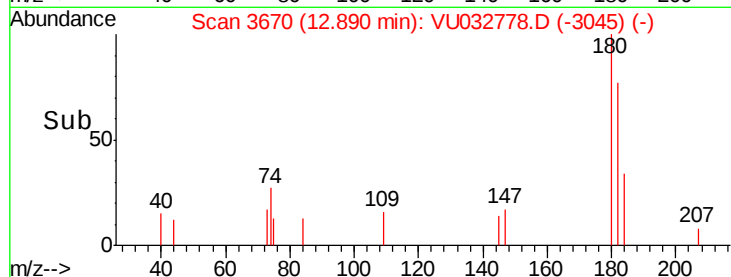
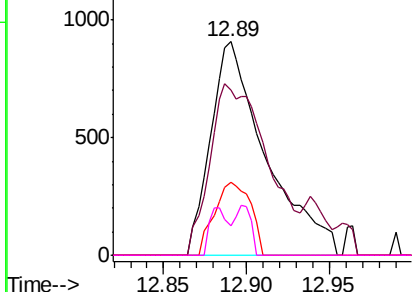
#67
 1,3,5-Trichlorobenzene
 Concen: 0.777 ug/L
 RT: 12.89 min Scan# 3670
 Delta R.T. 0.01 min
 Lab File: VU032778.D
 Acq: 17 Jun 2019 13:38

Instrument :
 MSVOA_U
 ClientSampled :
 VBLK31

Tgt Ion:180 Resp: 2104
 Ion Ratio Lower Upper
 180 100
 182 38.5 78.3 117.5#
 184 22.2 24.8 37.2#
 145 7.6 23.4 35.2#

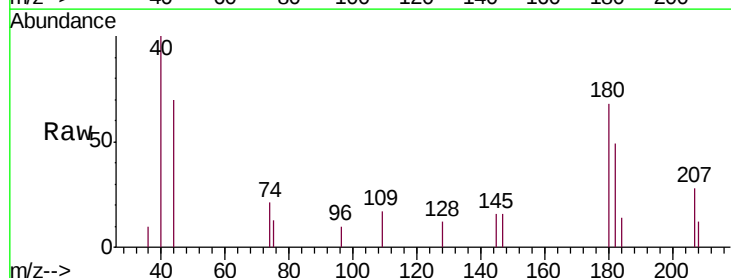


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V



#70
 1,2,3-Trichlorobenzene
 Concen: 0.633 ug/L
 RT: 14.01 min Scan# 4017
 Delta R.T. 0.02 min
 Lab File: VU032778.D
 Acq: 17 Jun 2019 13:38

Tgt Ion:180 Resp: 1562
 Ion Ratio Lower Upper
 180 100
 182 61.7 77.0 115.6#
 145 15.4 25.5 38.3#



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

