

Data File : VU032783.D
Acq On : 17 Jun 2019 15:32
Operator : JC/SP
Sample : K3324-20ME
Misc : 4.05g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0JX7ME

Quant Time: Jun 18 02:43:07 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	5.87	114	267280	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	258664	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	142999	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	70722	38.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.44%
7) Chloroethane-d5	1.70	69	147	0.10	ug/L	0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	0.20%#
11) 1,1-Dichloroethene-d2	2.23	63	118465	32.19	ug/L	-0.04
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.38%
21) 2-Butanone-d5	4.18	46	132994	87.48	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.48%
24) Chloroform-d	4.64	84	145053	40.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.70%
26) 1,2-Dichloroethane-d4	5.30	65	102261	43.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.46%
32) Benzene-d6	5.32	84	293351	43.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.02%
36) 1,2-Dichloropropane-d6	6.32	67	95313	44.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.74%
41) Toluene-d8	7.56	98	275243	43.59	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.18%
43) trans-1,3-Dichloropropene-	7.85	79	47822	42.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.60%
47) 2-Hexanone-d5	8.31	63	94041	93.76	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.76%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	148450	44.71	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.42%
64) 1,2-Dichlorobenzene-d4	11.86	152	122643	44.32	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.64%

Target Compounds

					Qvalue
6) Bromomethane	1.59	94	786	0.550 ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.23	101	1017	0.569 ug/L #	20
12) 1,1-Dichloroethene	2.23	96	1193	0.709 ug/L #	1
13) Acetone	2.34	43	1299	0.619 ug/L	72
17) trans-1,2-Dichloroethene	2.96	96	1530	0.838 ug/L	81
20) cis-1,2-Dichloroethene	4.21	96	67703	34.049 ug/L	99
27) 1,2-Dichloroethane	5.32	62	1969	0.668 ug/L #	77
34) Trichloroethene	6.17	95	277375	139.320 ug/L	99
37) 1,2-Dichloropropane	6.32	63	11359	5.557 ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	3335	1.047 ug/L #	59
44) trans-1,3-Dichloropropene	7.85	75	2650	0.886 ug/L	90
46) Tetrachloroethene	8.22	164	832	0.510 ug/L	83
59) 1,2,3-Trichloropropane	11.48	75	19406	7.114 ug/L	94
67) 1,3,5-Trichlorobenzene	13.51	180	8503	2.381 ug/L	88
68) 1,2,4-trichlorobenzene	13.51	180	8503	2.767 ug/L	90
70) 1,2,3-Trichlorobenzene	14.00	180	2689	0.827 ug/L #	78

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061719\
Quantitation Report (Not Reviewed)

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Response via : Initial Calibration

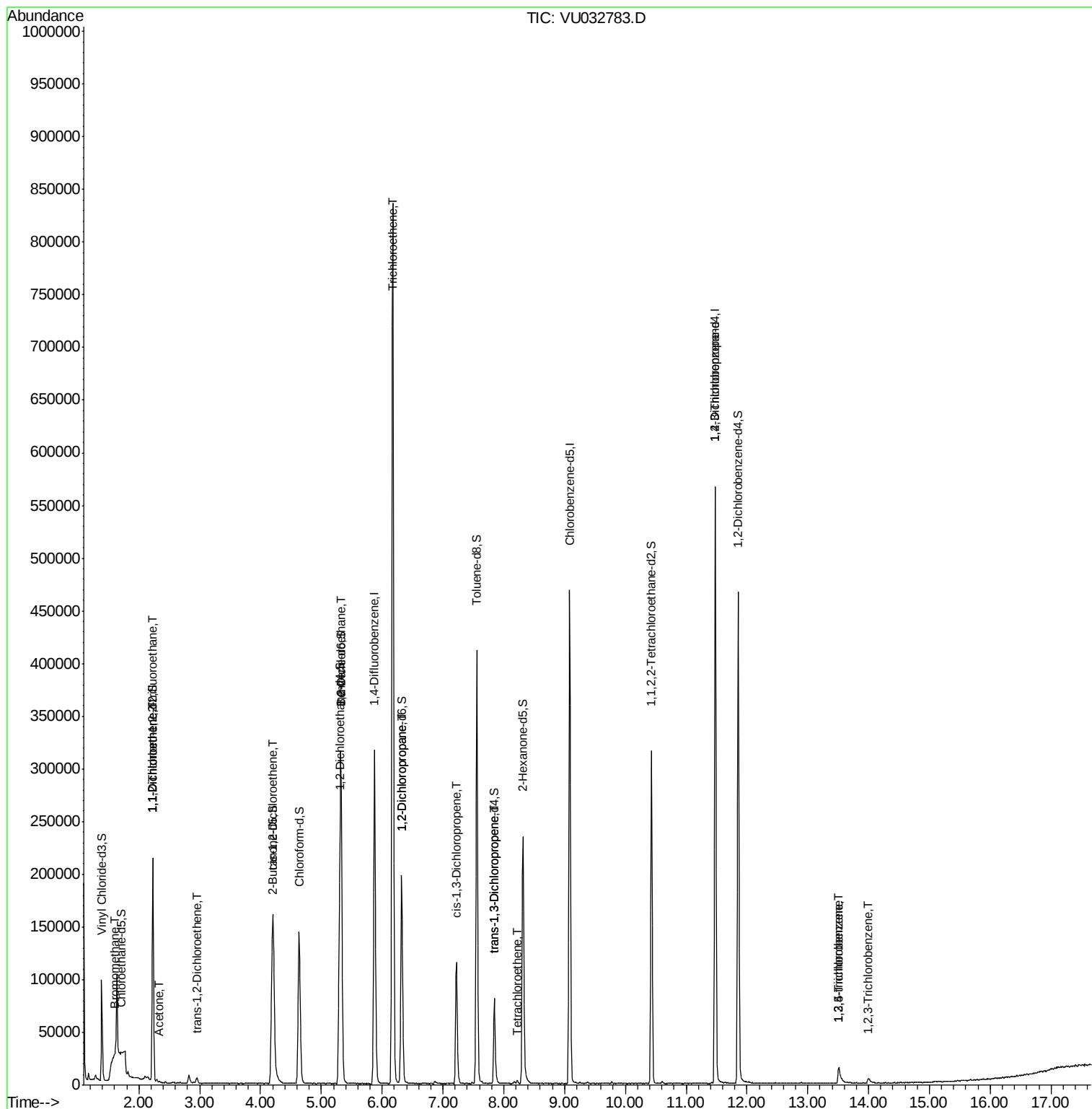
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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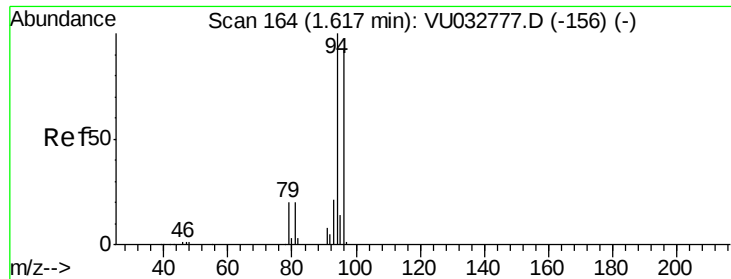
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Tue Jun 18 02:39:23 2019
Response via : Initial Calibration





#6

Bromomethane

Concen: 0.550 ug/L

RT: 1.59 min Scan# 157

Delta R.T. -0.02 min

Lab File: VU032783.D

Acq: 17 Jun 2019 15:32

Instrument :

MSVOA_U

ClientSampleId :

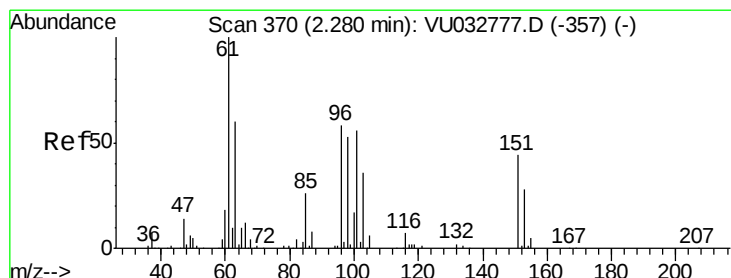
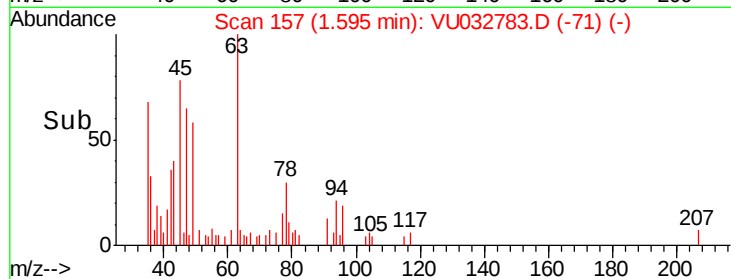
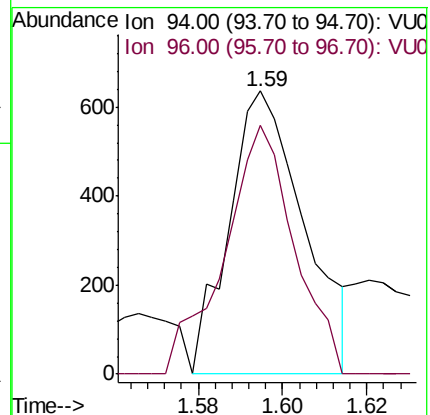
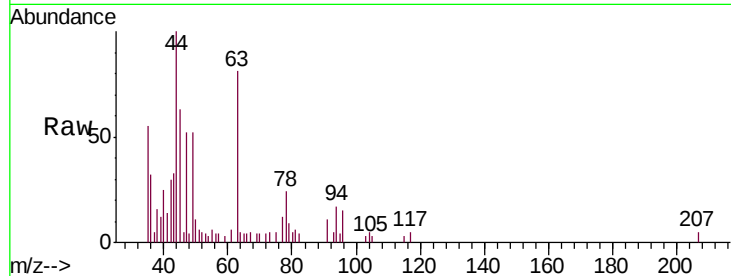
C0JX7ME

Tgt Ion: 94 Resp: 786

Ion Ratio Lower Upper

94 100

96 88.1 64.8 120.4



#10

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

Concen: 0.569 ug/L

RT: 2.23 min Scan# 355

Delta R.T. -0.05 min

Lab File: VU032783.D

Acq: 17 Jun 2019 15:32

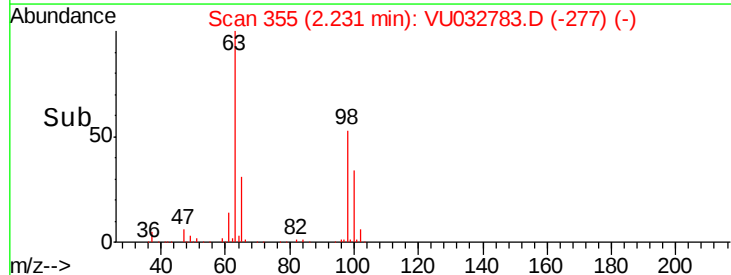
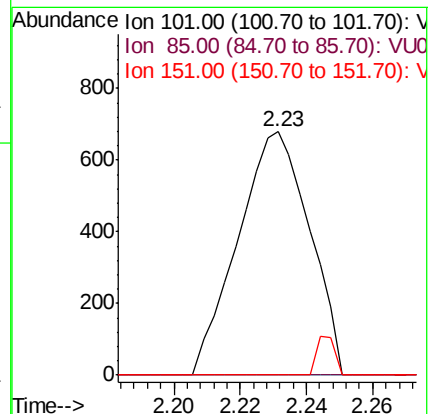
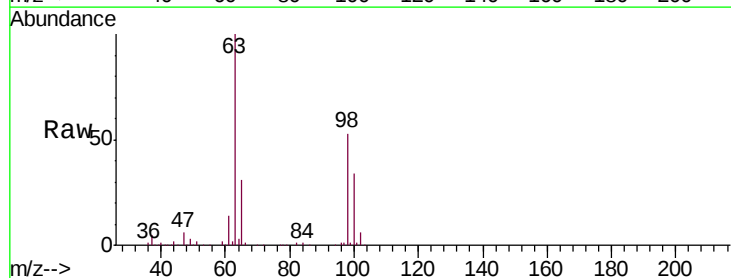
Tgt Ion: 101 Resp: 1017

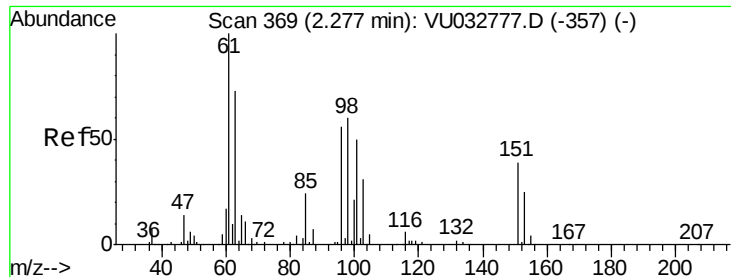
Ion Ratio Lower Upper

101 100

85 0.0 36.8 55.2#

151 4.0 63.6 95.4#





#12

1,1-Dichloroethene

Concen: 0.709 ug/L

RT: 2.23 min Scan# 356

Delta R.T. -0.04 min

Lab File: VU032783.D

Acq: 17 Jun 2019 15:32

Instrument :

MSVOA_U

ClientSampleId :

C0JX7ME

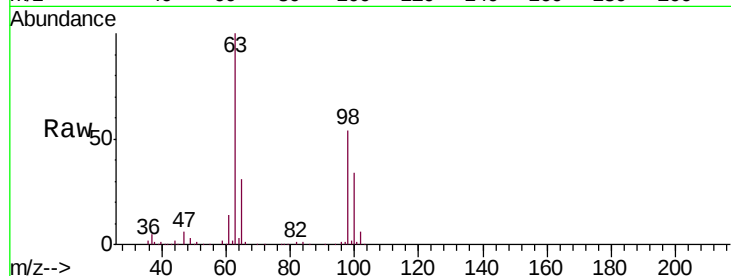
Tgt Ion: 96 Resp: 1193

Ion Ratio Lower Upper

96 100

61 1265.2 131.0 243.4#

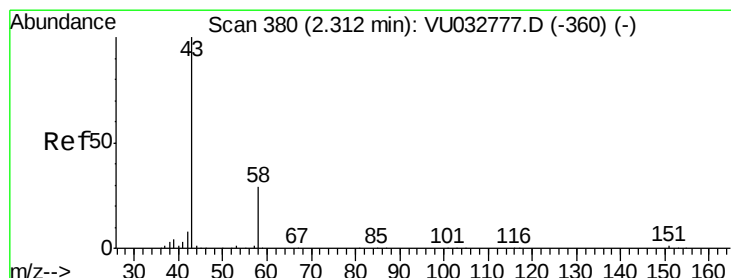
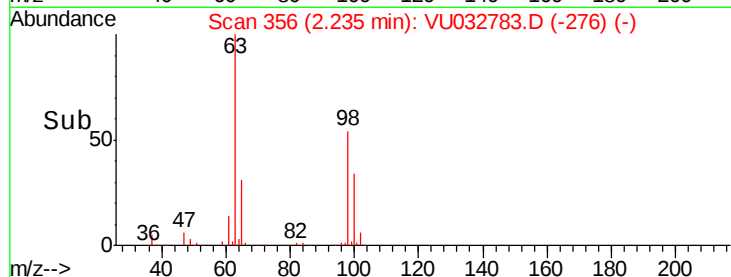
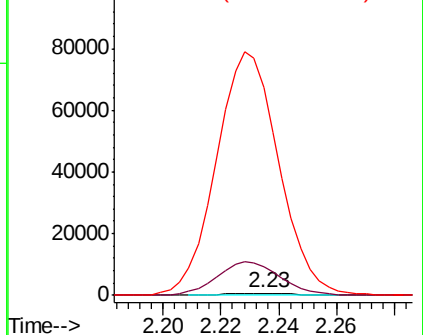
63 9133.7 101.0 187.6#



Abundance Ion 96.00 (95.70 to 96.70): VU032777.D (-357) (-)

Ion 61.00 (60.70 to 61.70): VU032777.D (-357) (-)

Ion 63.00 (62.70 to 63.70): VU032777.D (-357) (-)



#13

Acetone

Concen: 0.619 ug/L

RT: 2.34 min Scan# 388

Delta R.T. 0.03 min

Lab File: VU032783.D

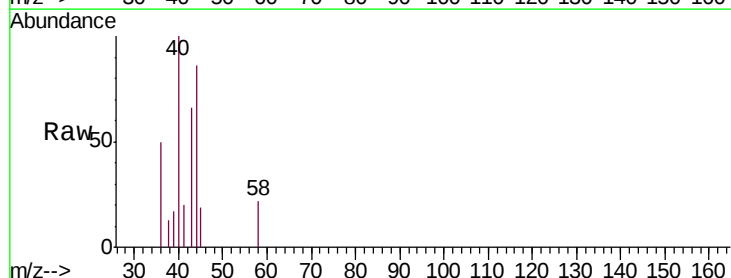
Acq: 17 Jun 2019 15:32

Tgt Ion: 43 Resp: 1299

Ion Ratio Lower Upper

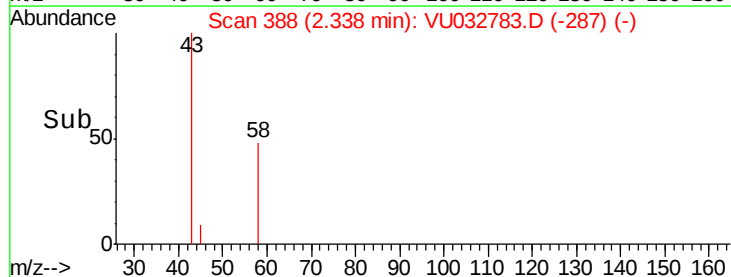
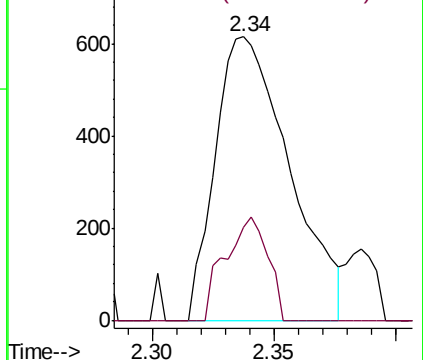
43 100

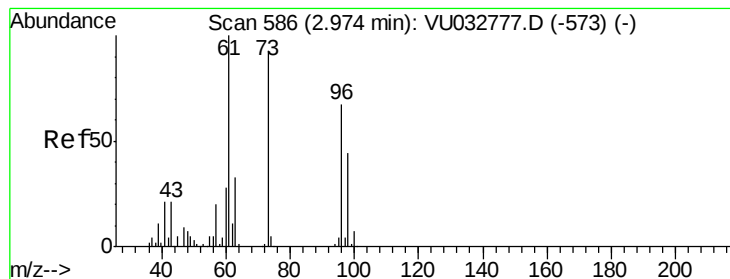
58 15.2 0.0 60.6



Abundance Ion 43.00 (42.70 to 43.70): VU032777.D (-360) (-)

Ion 58.00 (57.70 to 58.70): VU032777.D (-360) (-)





#17

trans-1,2-Dichloroethene

Concen: 0.838 ug/L

RT: 2.96 min Scan# 581

Delta R.T. -0.02 min

Lab File: VU032783.D

Acq: 17 Jun 2019 15:32

Instrument :

MSVOA_U

ClientSampleId :

C0JX7ME

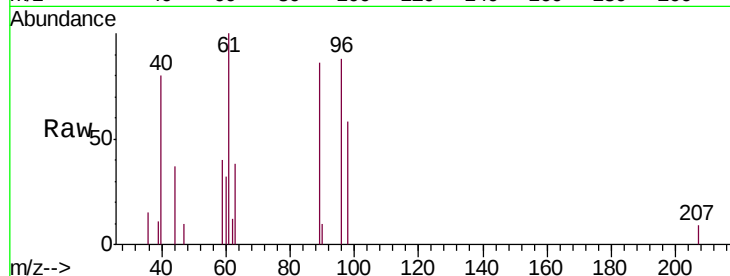
Tgt Ion: 96 Resp: 1530

Ion Ratio Lower Upper

96 100

61 113.1 100.9 187.5

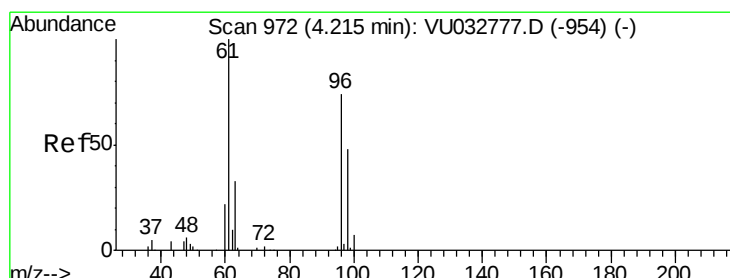
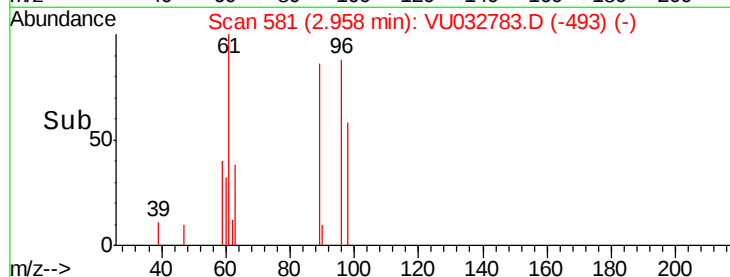
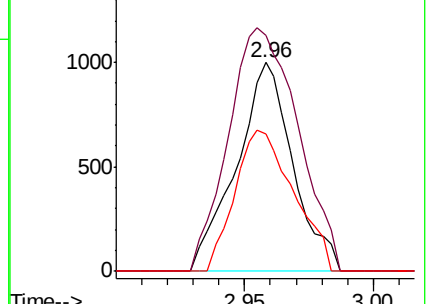
98 65.8 44.0 81.8



Abundance Ion 96.00 (95.70 to 96.70): VU032777.D (-573) (-)

Ion 61.00 (60.70 to 61.70): VU032777.D (-573) (-)

Ion 98.00 (97.70 to 98.70): VU032777.D (-573) (-)



#20

cis-1,2-Dichloroethene

Concen: 34.049 ug/L

RT: 4.21 min Scan# 970

Delta R.T. -0.01 min

Lab File: VU032783.D

Acq: 17 Jun 2019 15:32

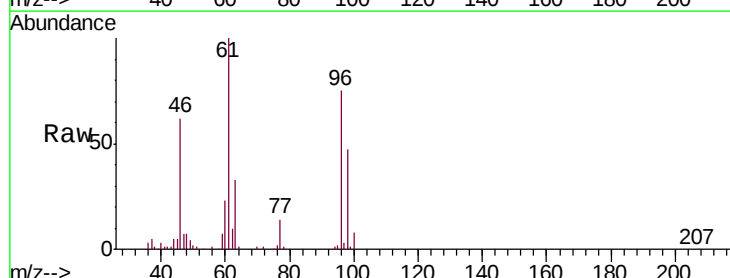
Tgt Ion: 96 Resp: 67703

Ion Ratio Lower Upper

96 100

61 133.1 92.4 171.6

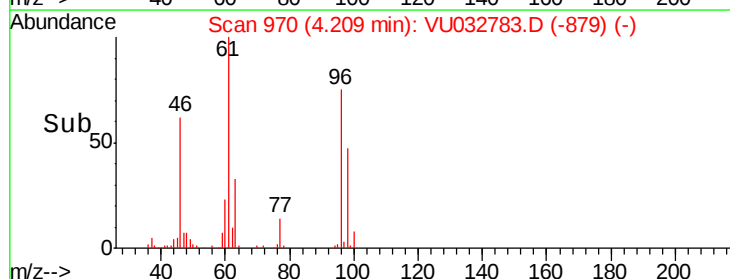
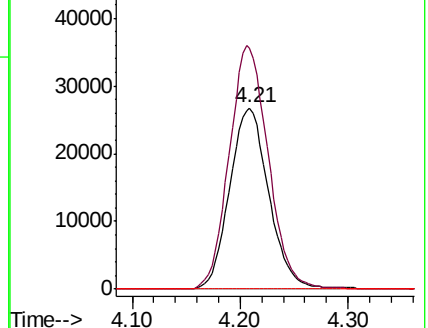
68 0.0 0.0 0.0

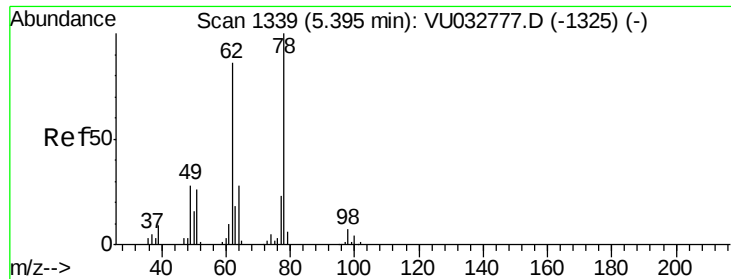


Abundance Ion 96.00 (95.70 to 96.70): VU032777.D (-954) (-)

Ion 61.00 (60.70 to 61.70): VU032777.D (-954) (-)

Ion 68.00 (67.70 to 68.70): VU032777.D (-954) (-)





#27

1,2-Dichloroethane

Concen: 0.668 ug/L

RT: 5.32 min Scan# 1316

Delta R.T. -0.07 min

Lab File: VU032783.D

Acq: 17 Jun 2019 15:32

Instrument :

MSVOA_U

ClientSampleId :

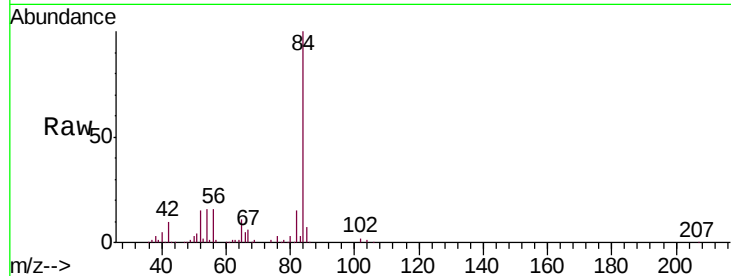
C0JX7ME

Tgt Ion: 62 Resp: 1969

Ion Ratio Lower Upper

62 100

98 0.0 6.6 10.0#



Abundance Ion 62.00 (61.70 to 62.70): VU032777.D (-1325) (-)

Ion 98.00 (97.70 to 98.70): VU032777.D (-1325) (-)

5.32

1000

800

600

400

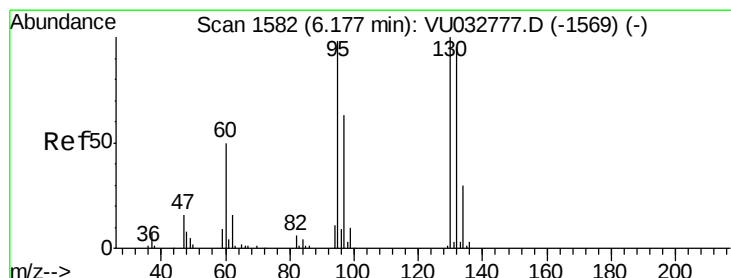
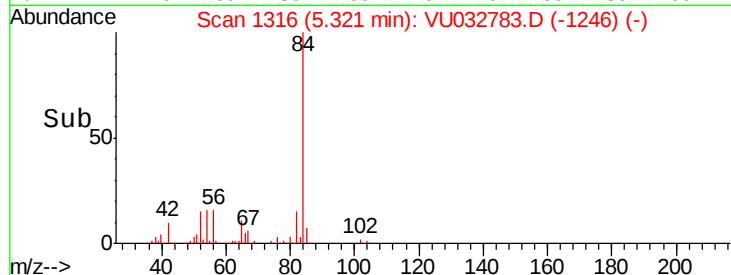
200

0

5.30

5.35

Time-->



#34

Trichloroethene

Concen: 139.320 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VU032783.D

Acq: 17 Jun 2019 15:32

Tgt Ion: 95 Resp: 277375

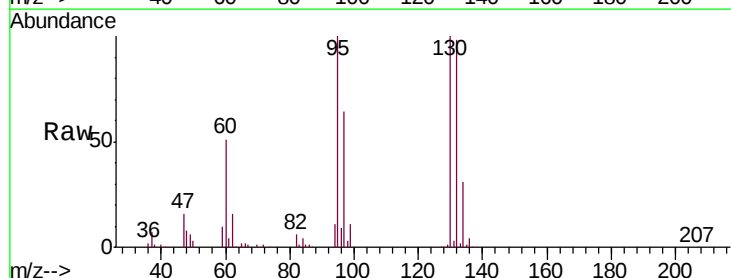
Ion Ratio Lower Upper

95 100

97 64.0 45.9 85.3

132 98.2 68.5 127.3

130 100.0 70.8 131.4



Abundance Ion 95.00 (94.70 to 95.70): VU032777.D (-1569) (-)

Ion 97.00 (96.70 to 97.70): VU032777.D (-1569) (-)

Ion 132.00 (131.70 to 132.70): VU032777.D (-1569) (-)

Ion 130.00 (129.70 to 130.70): VU032777.D (-1569) (-)

200000

150000

100000

50000

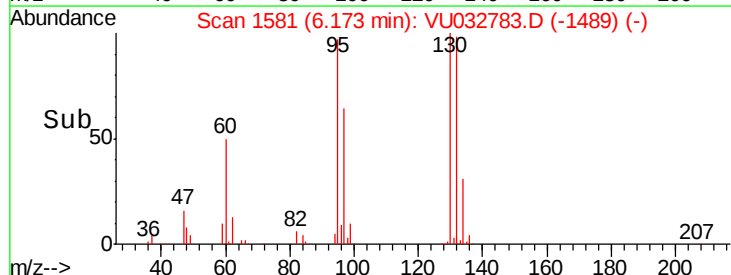
0

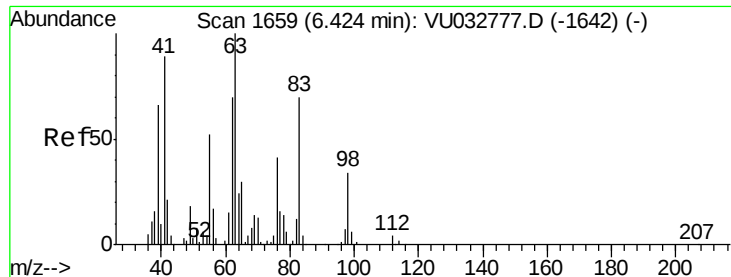
6.10

6.20

6.30

Time-->





#37

1,2-Dichloropropane

Concen: 5.557 ug/L

RT: 6.32 min Scan# 1627

Delta R.T. -0.10 min

Lab File: VU032783.D

Acq: 17 Jun 2019 15:32

Instrument :

MSVOA_U

ClientSampleId :

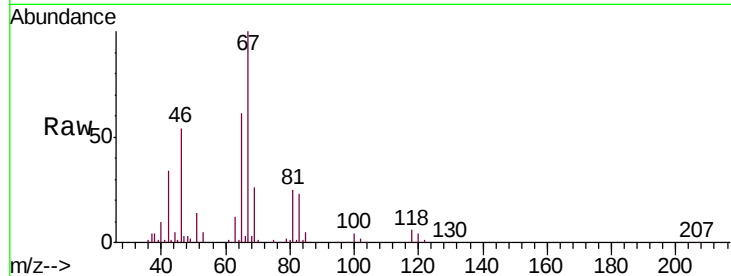
C0JX7ME

Tgt Ion: 63 Resp: 11359

Ion Ratio Lower Upper

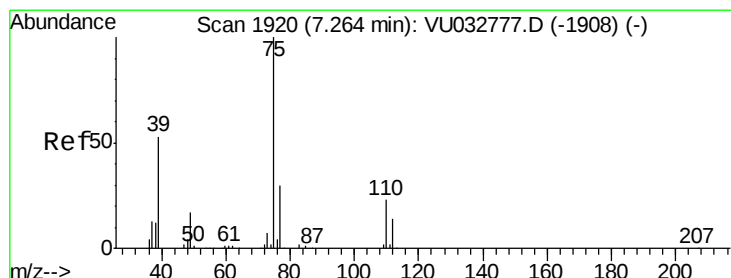
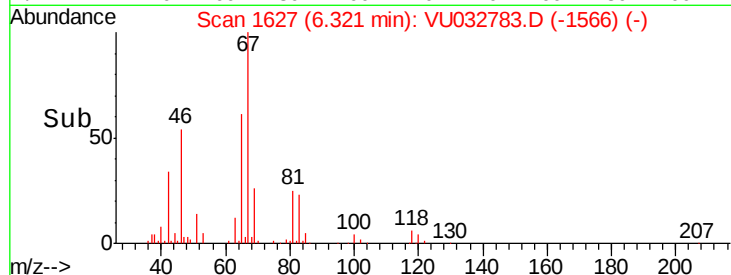
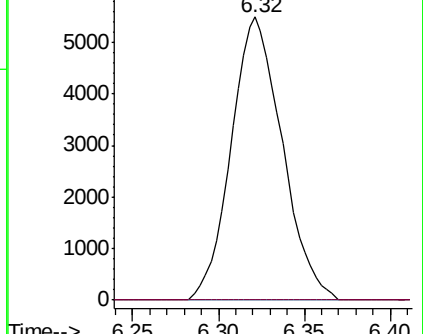
63 100

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



#39

cis-1,3-Dichloropropene

Concen: 1.047 ug/L

RT: 7.22 min Scan# 1907

Delta R.T. -0.04 min

Lab File: VU032783.D

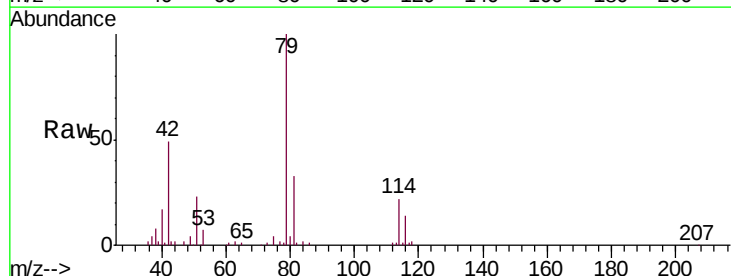
Acq: 17 Jun 2019 15:32

Tgt Ion: 75 Resp: 3335

Ion Ratio Lower Upper

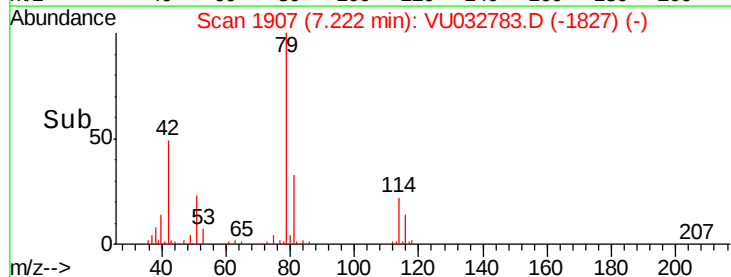
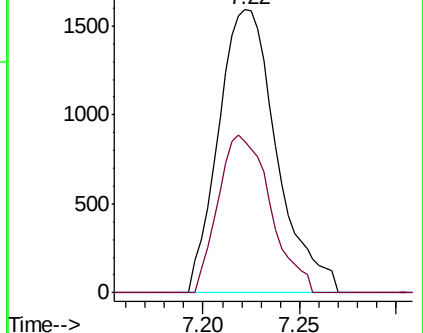
75 100

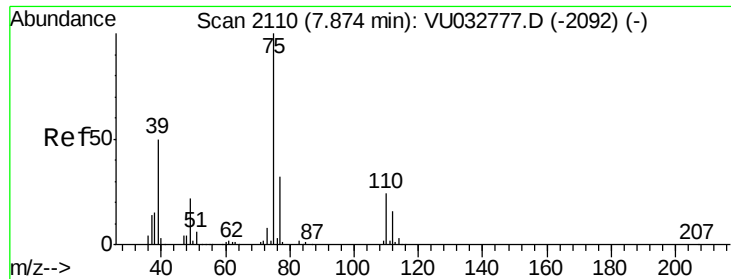
77 53.7 21.9 40.7#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#44

trans-1,3-Dichloropropene

Concen: 0.886 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU032783.D

Acq: 17 Jun 2019 15:32

Instrument :

MSVOA_U

ClientSampleId :

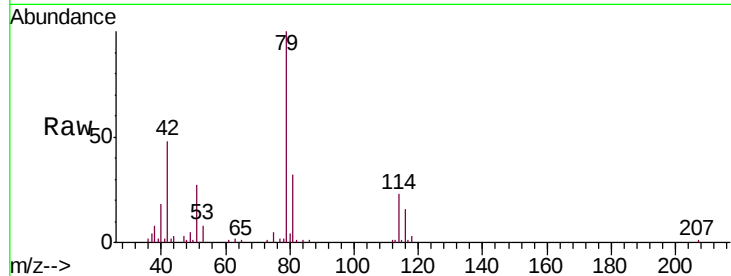
C0JX7ME

Tgt Ion: 75 Resp: 2650

Ion Ratio Lower Upper

75 100

77 36.7 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VU032777.D (-2092) (-)

Ion 77.00 (76.70 to 77.70): VU032777.D (-2092) (-)

7.85

1500

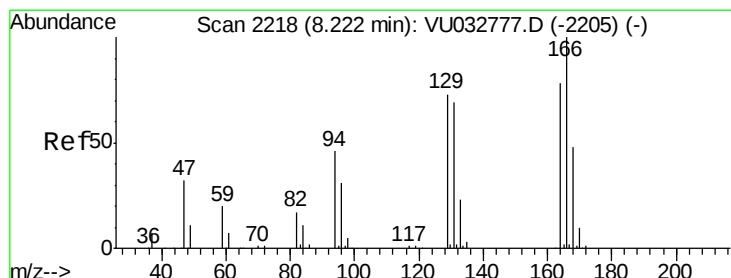
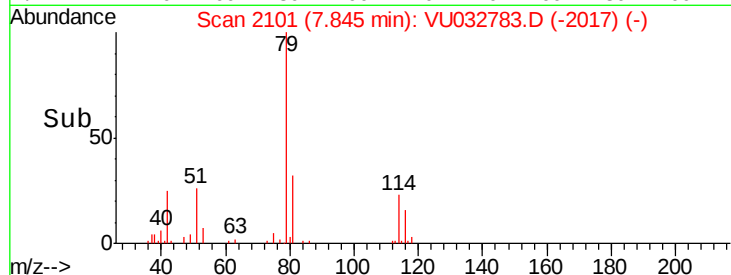
1000

500

0

7.80 7.85 7.90

Time-->



#46

Tetrachloroethene

Concen: 0.510 ug/L

RT: 8.22 min Scan# 2217

Delta R.T. -0.00 min

Lab File: VU032783.D

Acq: 17 Jun 2019 15:32

Tgt Ion: 164 Resp: 832

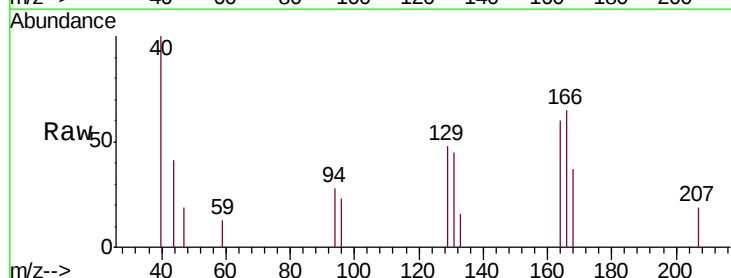
Ion Ratio Lower Upper

164 100

129 80.5 64.8 120.3

131 75.5 64.5 119.7

166 108.6 91.3 169.6



Abundance Ion 164.00 (163.70 to 164.70): VU032777.D (-2205) (-)

Ion 129.00 (128.70 to 129.70): VU032777.D (-2205) (-)

Ion 131.00 (130.70 to 131.70): VU032777.D (-2205) (-)

Ion 166.00 (165.70 to 166.70): VU032777.D (-2205) (-)

8.22

800

600

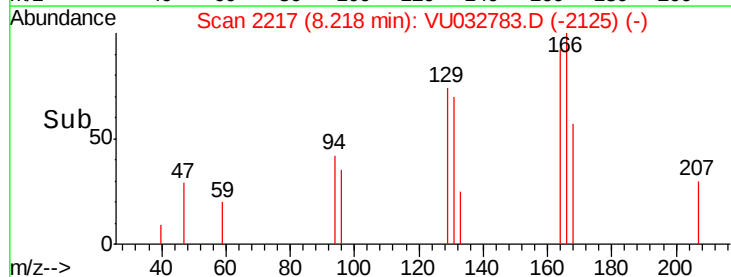
400

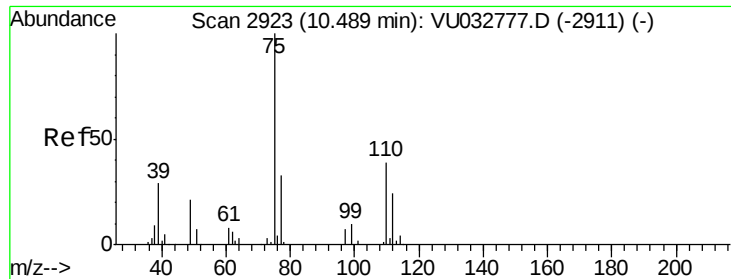
200

0

8.18 8.20 8.22 8.24 8.26

Time-->

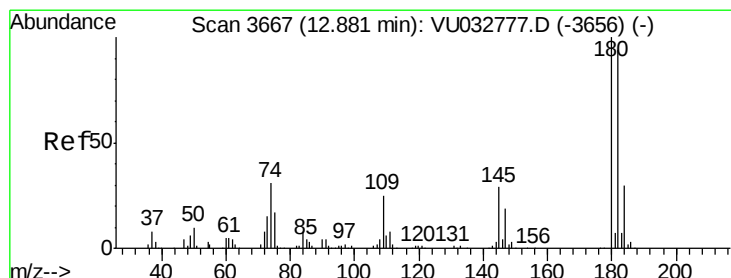
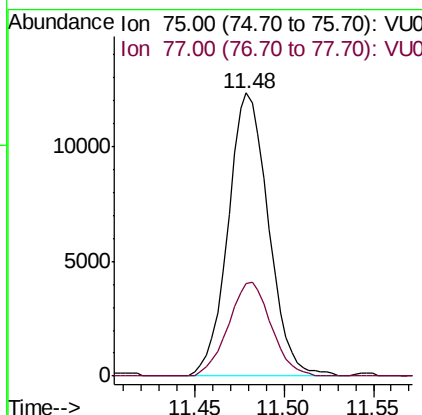
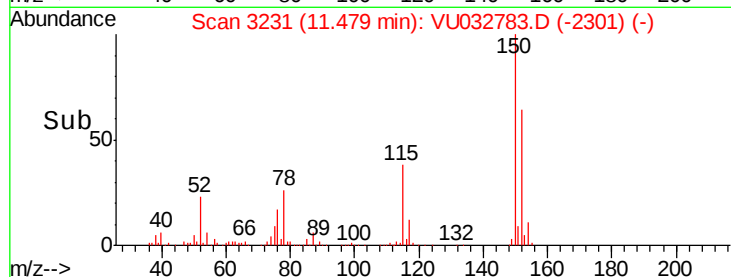
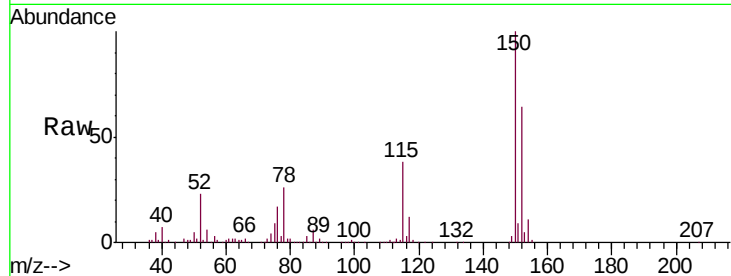




#59
 1,2,3-Trichloropropane
 Concen: 7.114 ug/L
 RT: 11.48 min Scan# 3231
 Delta R.T. 0.99 min
 Lab File: VU032783.D
 Acq: 17 Jun 2019 15:32

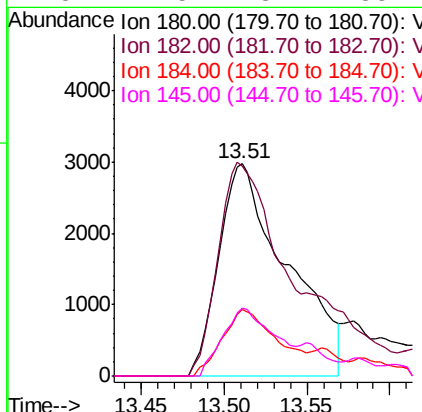
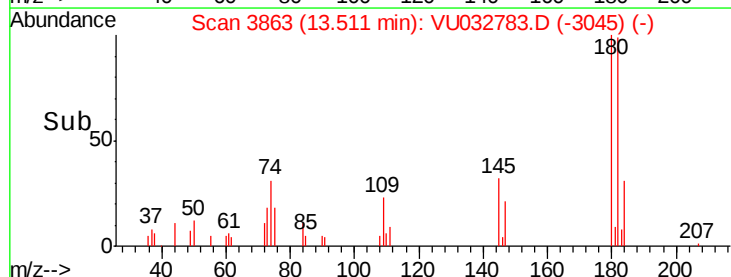
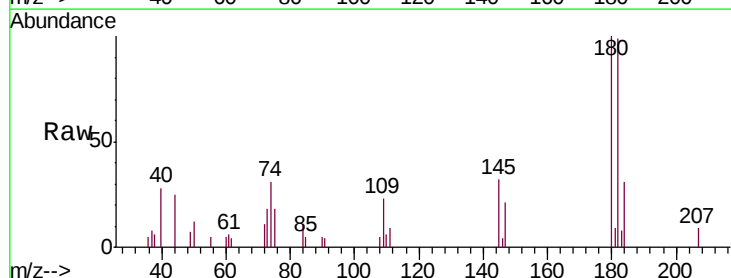
Instrument :
 MSVOA_U
 ClientSampleId :
 C0JX7ME

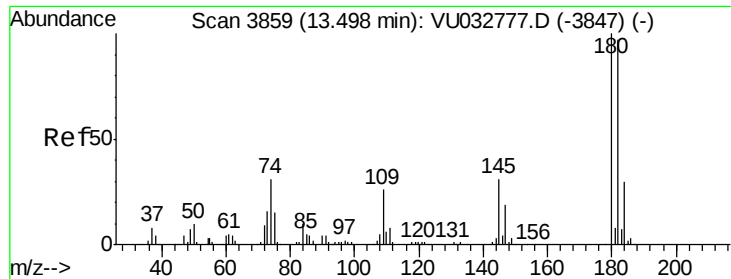
Tgt Ion: 75 Resp: 19406
 Ion Ratio Lower Upper
 75 100
 77 35.1 25.5 38.3



#67
 1,3,5-Trichlorobenzene
 Concen: 2.381 ug/L
 RT: 13.51 min Scan# 3863
 Delta R.T. 0.63 min
 Lab File: VU032783.D
 Acq: 17 Jun 2019 15:32

Tgt Ion: 180 Resp: 8503
 Ion Ratio Lower Upper
 180 100
 182 85.3 78.3 117.5
 184 25.4 24.8 37.2
 145 24.5 23.4 35.2

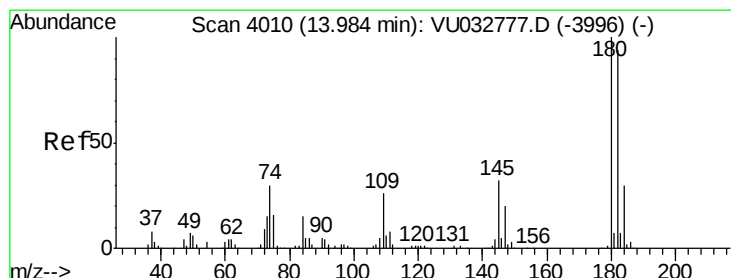
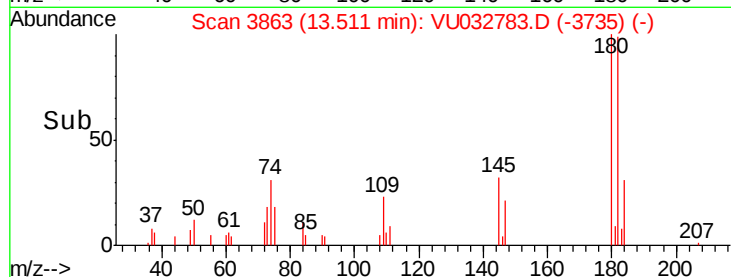
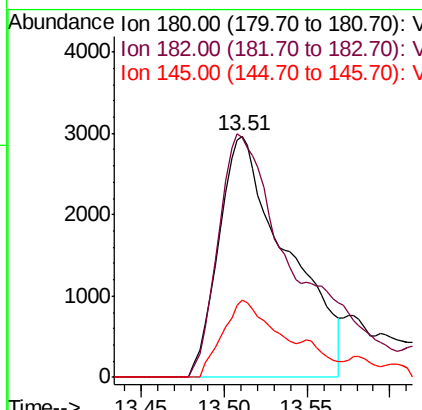
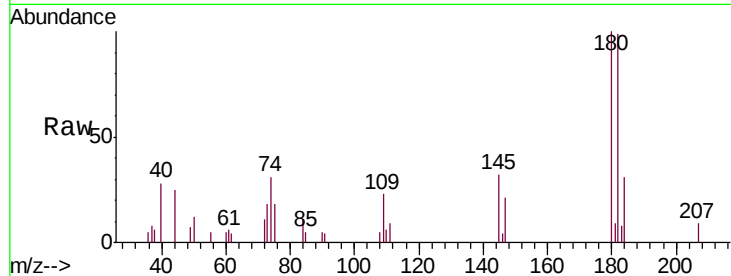




#68
 1,2,4-trichlorobenzene
 Concen: 2.767 ug/L
 RT: 13.51 min Scan# 3863
 Delta R.T. 0.01 min
 Lab File: VU032783.D
 Acq: 17 Jun 2019 15:32

Instrument :
 MSVOA_U
 ClientSampleId :
 C0JX7ME

Tgt Ion:180 Resp: 8503
 Ion Ratio Lower Upper
 180 100
 182 85.3 76.2 114.4
 145 24.5 23.8 35.8



#70
 1,2,3-Trichlorobenzene
 Concen: 0.827 ug/L
 RT: 14.00 min Scan# 4014
 Delta R.T. 0.01 min
 Lab File: VU032783.D
 Acq: 17 Jun 2019 15:32

Tgt Ion:180 Resp: 2689
 Ion Ratio Lower Upper
 180 100
 182 114.5 77.0 115.6
 145 13.1 25.5 38.3#

