

Data File : VU033980.D
Acq On : 27 Aug 2019 18:18
Operator : JC/SP
Sample : K4566-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
TB-082719

Quant Time: Aug 28 04:04:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082819W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 28 02:42:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	393325	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	572386	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	527831	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	251279	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.29	65	205601	47.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.10%	
35) Dibromofluoromethane	4.86	113	182422	47.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.82%	
50) Toluene-d8	7.55	98	692596	48.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.60%	
62) 4-Bromofluorobenzene	10.29	95	237058	43.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.10%	

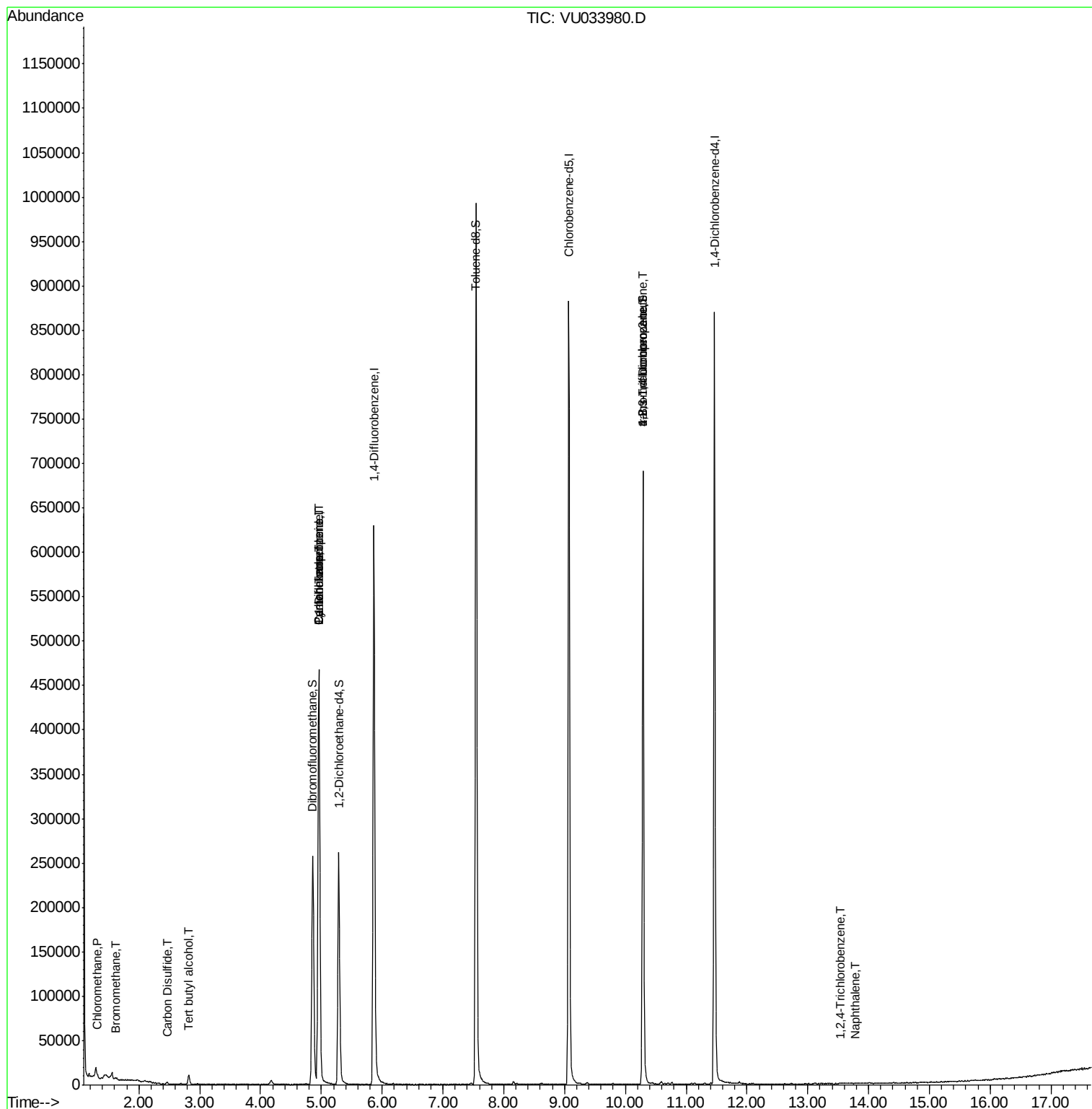
Target Compounds				Qvalue		
3) Chloromethane	1.32	50	1879	1.342	ug/l	93
5) Bromomethane	1.62	94	1575	0.656	ug/l	92
11) Tert butyl alcohol	2.83	59	6450	5.699	ug/l #	85
17) Carbon Disulfide	2.46	76	2973	0.261	ug/l	96
31) Cyclohexane	4.95	56	6507	1.010	ug/l #	1
36) 1,1-Dichloropropene	4.96	75	25335	4.833	ug/l #	49
38) Carbon Tetrachloride	4.96	117	34609	6.478	ug/l #	16
76) 1,2,3-Trichloropropane	10.29	75	110407	22.052	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.29	75	110407	63.161	ug/l #	100
93) 1,2,4-Trichlorobenzene	13.54	180	262	1.786	ug/l #	12
95) Naphthalene	13.78	128	381	2.106	ug/l #	70

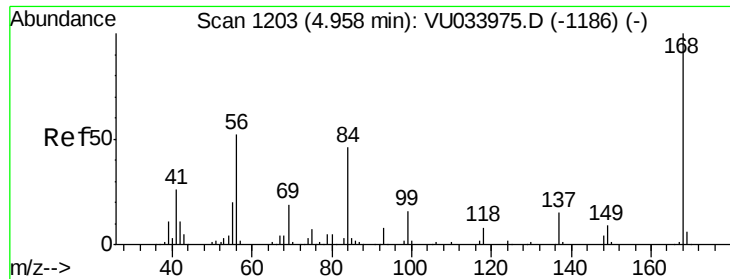
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU033980.D

Acq: 27 Aug 2019 18:18

Instrument :

MSVOA_U

ClientSampleId :

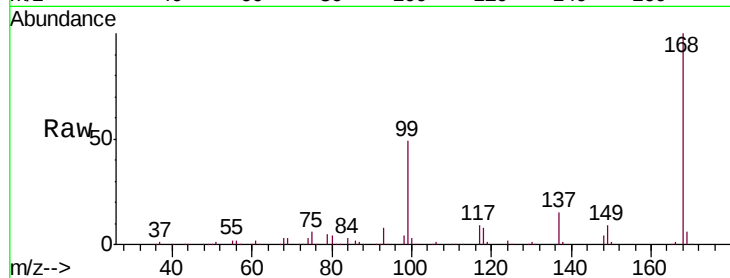
TB-082719

Tgt Ion:168 Resp: 393325

Ion Ratio Lower Upper

168 100

99 49.1 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): VU033975.D (-1186) (-)

Ion 98.90 (98.60 to 99.60): VU033975.D (-1186) (-)

4.96

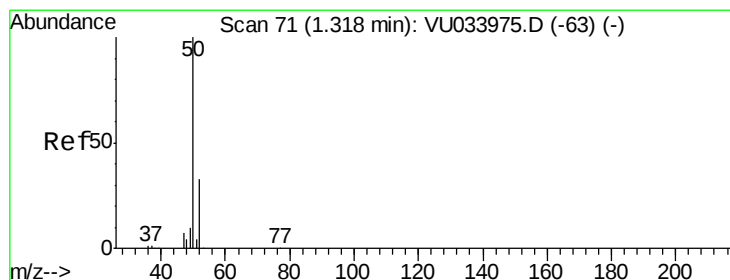
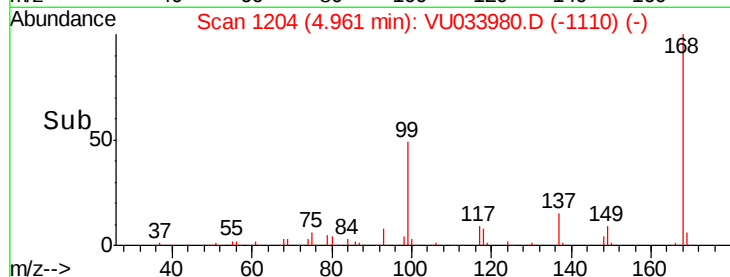
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 1.342 ug/l

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU033980.D

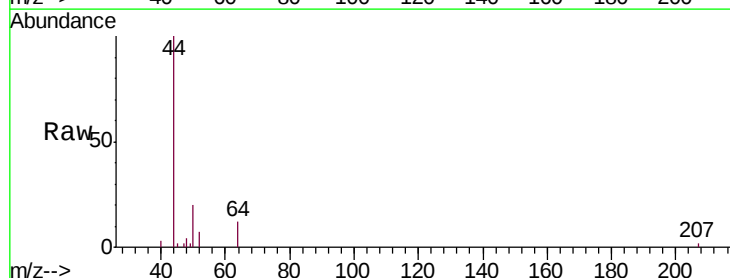
Acq: 27 Aug 2019 18:18

Tgt Ion: 50 Resp: 1879

Ion Ratio Lower Upper

50 100

52 36.5 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VU033975.D (-63) (-)

Ion 51.90 (51.60 to 52.60): VU033975.D (-63) (-)

1.32

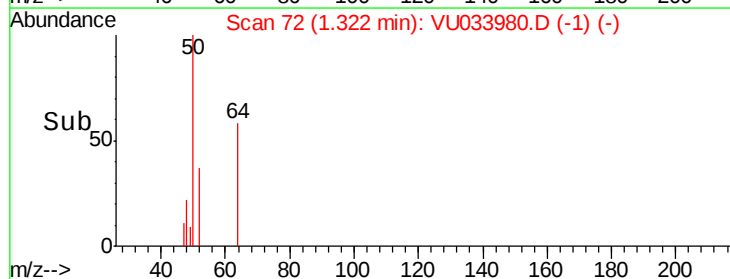
1500

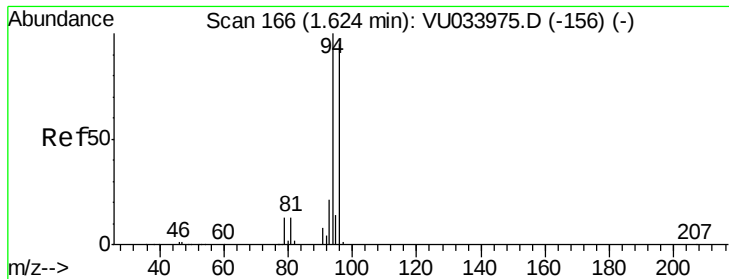
1000

500

0

Time-->





#5

Bromomethane

Concen: 0.656 ug/l

RT: 1.62 min Scan# 164

Delta R.T. -0.01 min

Lab File: VU033980.D

Acq: 27 Aug 2019 18:18

Instrument :

MSVOA_U

ClientSampleId :

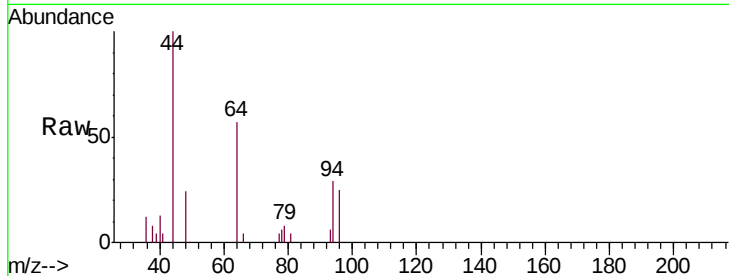
TB-082719

Tgt Ion: 94 Resp: 1575

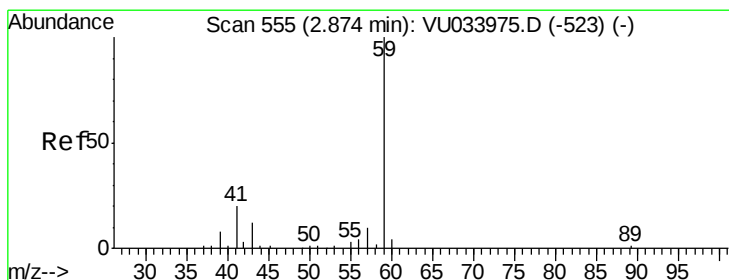
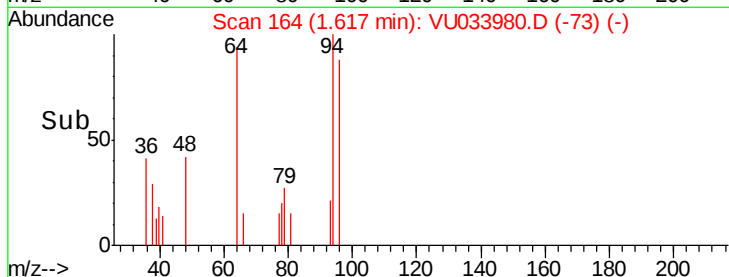
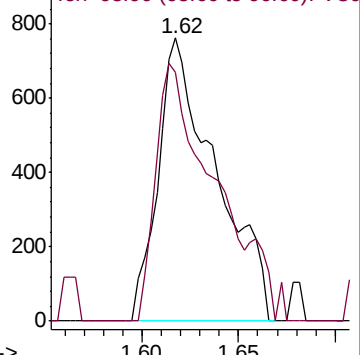
Ion Ratio Lower Upper

94 100

96 87.9 76.3 114.5



Abundance Ion 93.90 (93.60 to 94.60): VU033975.D (-156) (-)



#11

Tert butyl alcohol

Concen: 5.699 ug/l

RT: 2.83 min Scan# 540

Delta R.T. -0.05 min

Lab File: VU033980.D

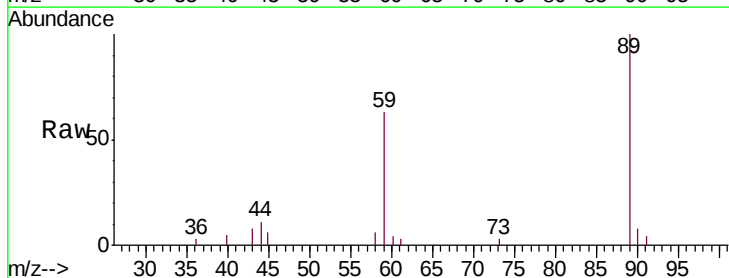
Acq: 27 Aug 2019 18:18

Tgt Ion: 59 Resp: 6450

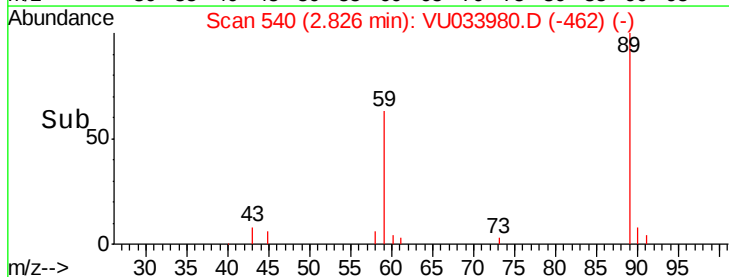
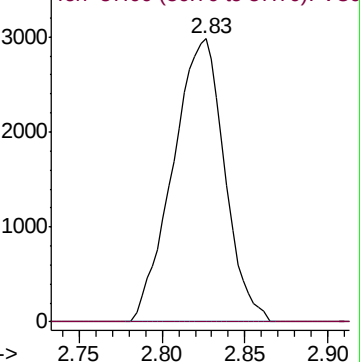
Ion Ratio Lower Upper

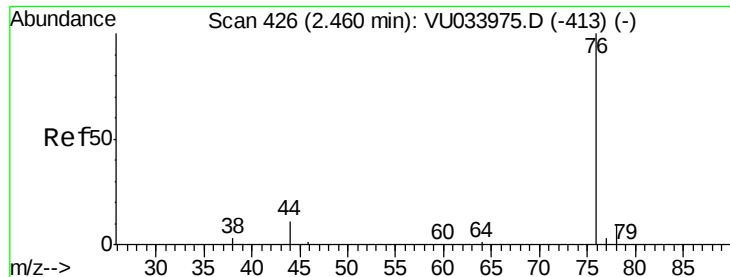
59 100

57 0.0 3.9 5.9#



Abundance Ion 59.00 (58.70 to 59.70): VU033975.D (-523) (-)

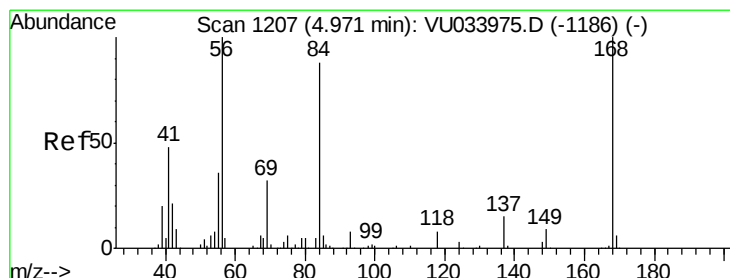
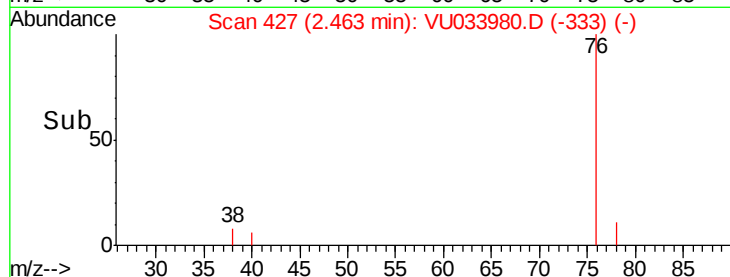
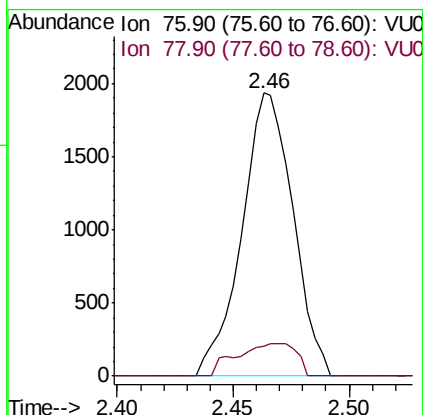
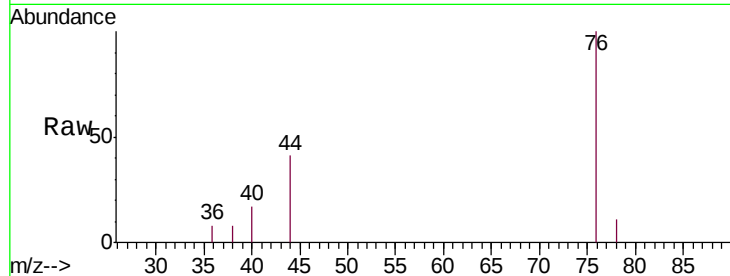




#17
Carbon Disulfide
Concen: 0.261 ug/l
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VU033980.D
Acq: 27 Aug 2019 18:18

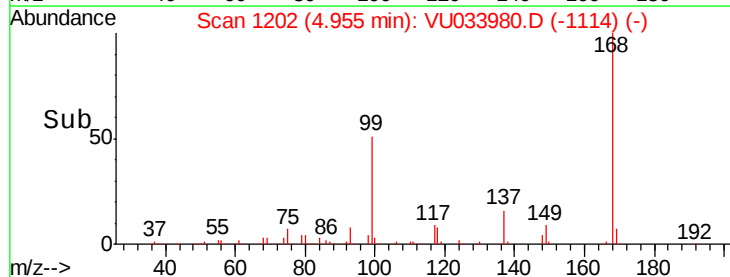
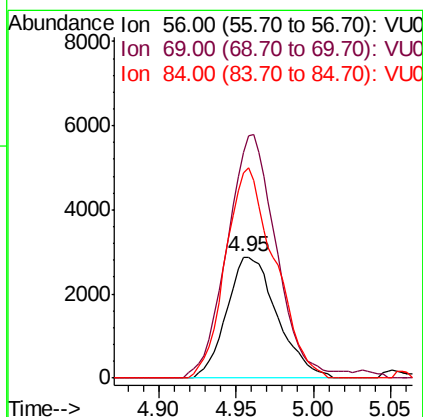
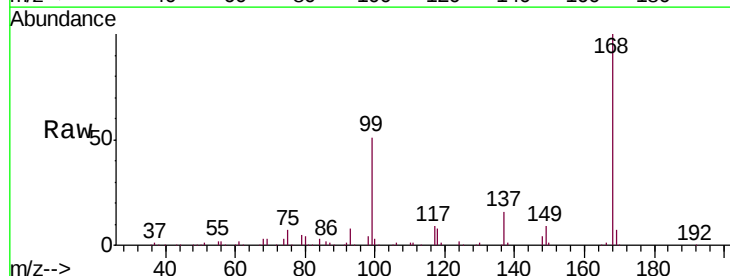
Instrument :
MSVOA_U
ClientSampleId :
TB-082719

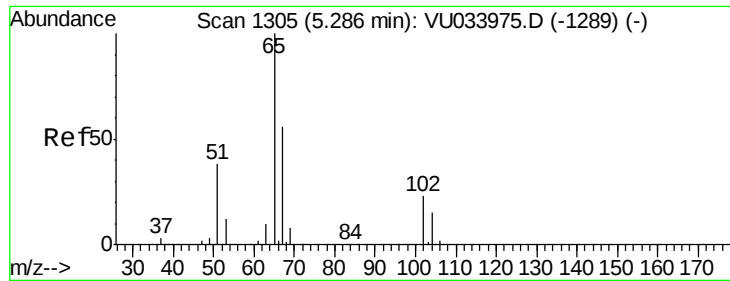
Tgt Ion: 76 Resp: 2973
Ion Ratio Lower Upper
76 100
78 10.8 7.5 11.3



#31
Cyclohexane
Concen: 1.010 ug/l
RT: 4.95 min Scan# 1202
Delta R.T. -0.02 min
Lab File: VU033980.D
Acq: 27 Aug 2019 18:18

Tgt Ion: 56 Resp: 6507
Ion Ratio Lower Upper
56 100
69 181.0 25.9 38.9#
84 169.5 70.4 105.6#

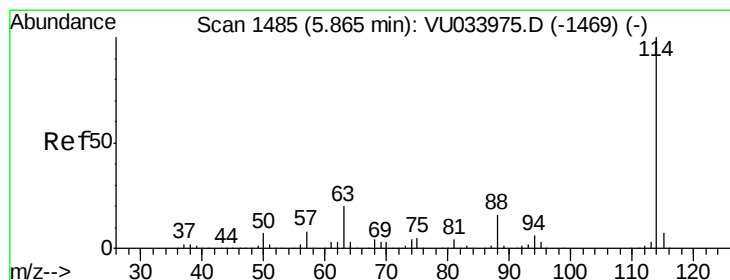
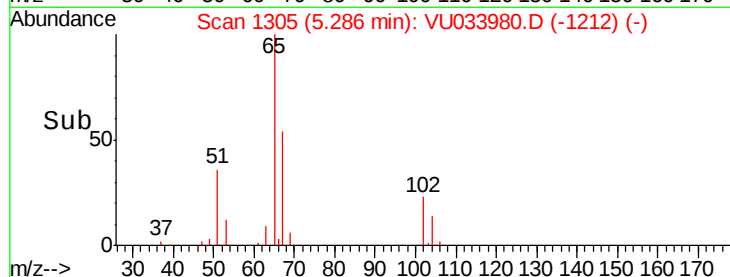
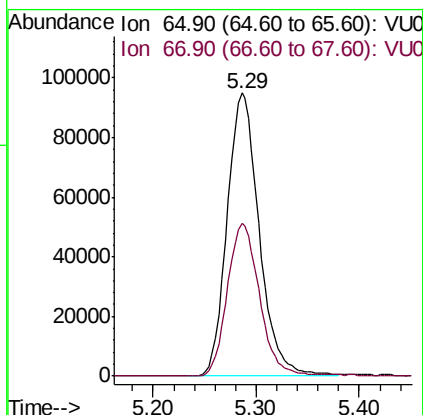
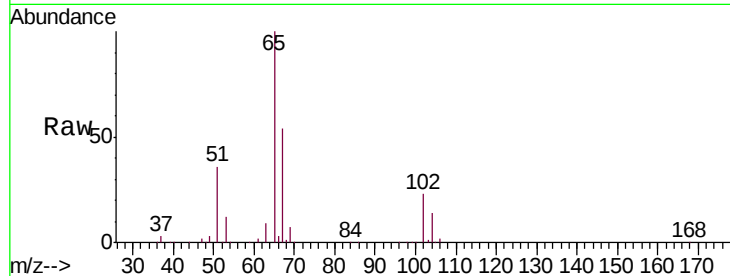




#33
 1,2-Dichloroethane-d4
 Concen: 47.052 ug/l
 RT: 5.29 min Scan# 1305
 Delta R.T. 0.00 min
 Lab File: VU033980.D
 Acq: 27 Aug 2019 18:18

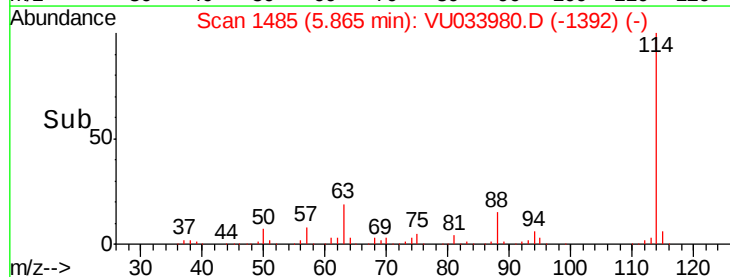
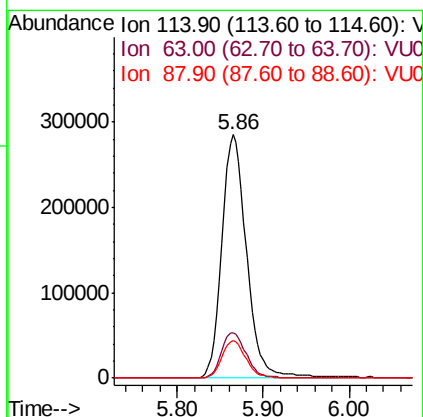
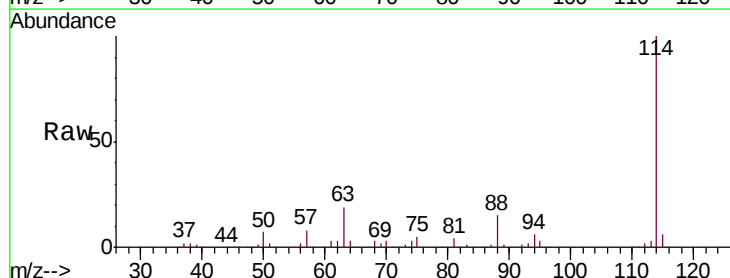
Instrument :
 MSVOA_U
 ClientSampleId :
 TB-082719

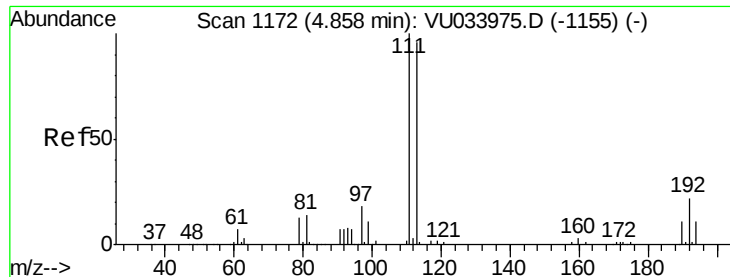
Tgt Ion: 65 Resp: 205601
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VU033980.D
 Acq: 27 Aug 2019 18:18

Tgt Ion: 114 Resp: 572386
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 39.0
 88 15.5 0.0 31.2

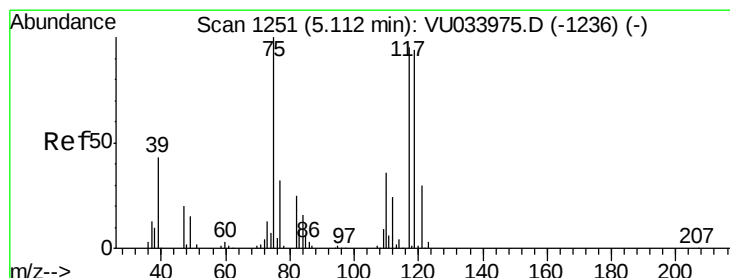
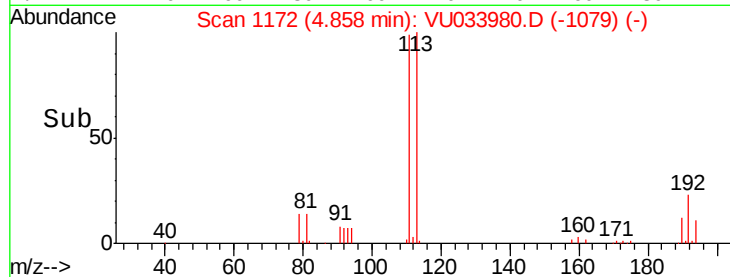
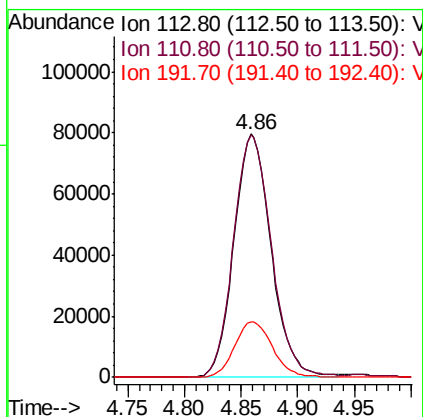
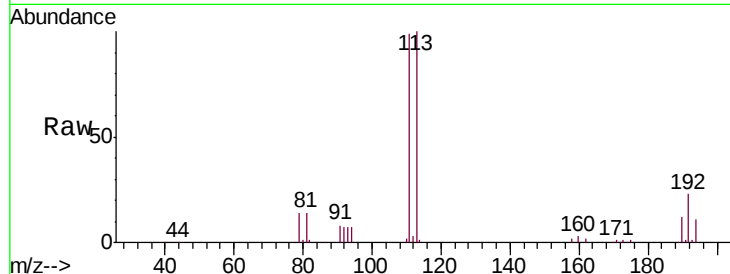




#35
 Dibromofluoromethane
 Concen: 47.413 ug/l
 RT: 4.86 min Scan# 1172
 Delta R.T. 0.00 min
 Lab File: VU033980.D
 Acq: 27 Aug 2019 18:18

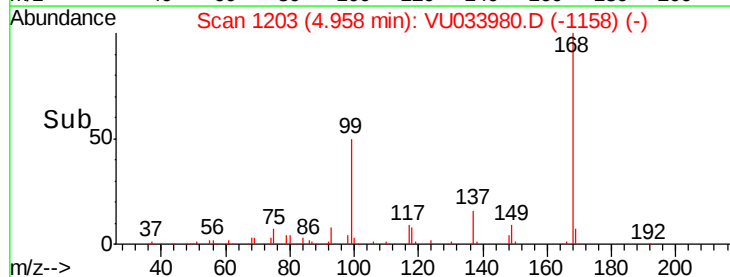
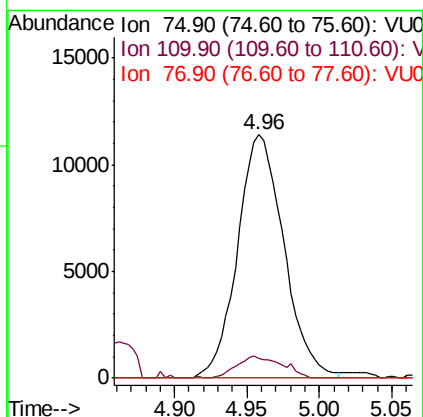
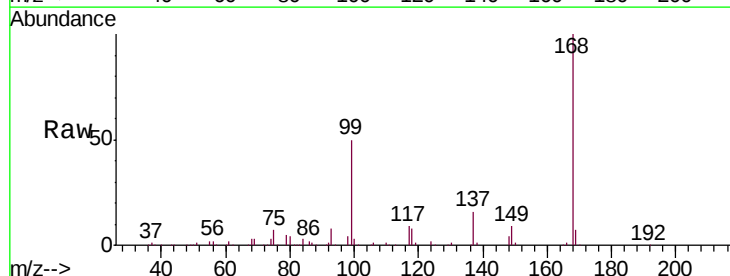
Instrument :
 MSVOA_U
 ClientSampled :
 TB-082719

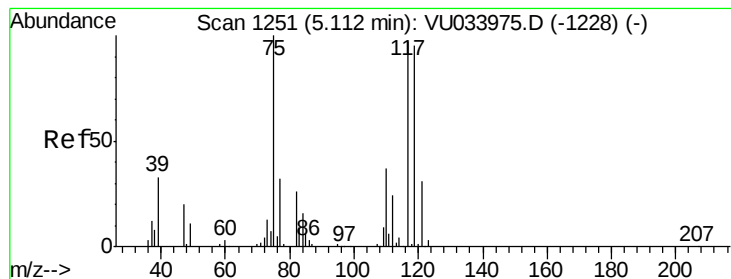
Tgt Ion:113 Resp: 182422
 Ion Ratio Lower Upper
 113 100
 111 101.8 81.7 122.5
 192 23.4 18.6 27.8



#36
 1,1-Dichloropropene
 Concen: 4.833 ug/l
 RT: 4.96 min Scan# 1203
 Delta R.T. -0.15 min
 Lab File: VU033980.D
 Acq: 27 Aug 2019 18:18

Tgt Ion: 75 Resp: 25335
 Ion Ratio Lower Upper
 75 100
 110 8.9 18.2 54.6#
 77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 6.478 ug/l

RT: 4.96 min Scan# 1203

Delta R.T. -0.15 min

Lab File: VU033980.D

Acq: 27 Aug 2019 18:18

Instrument :

MSVOA_U

ClientSampleId :

TB-082719

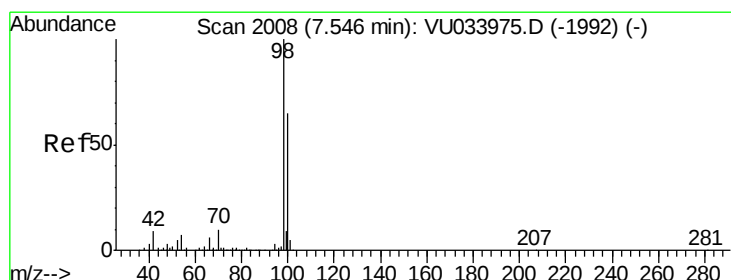
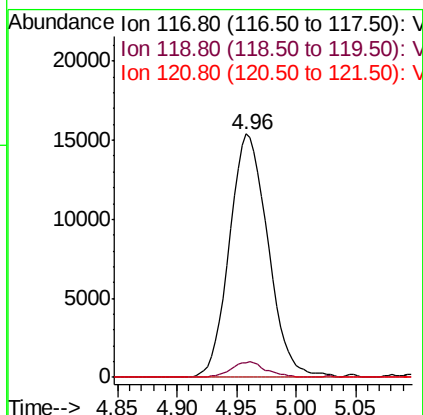
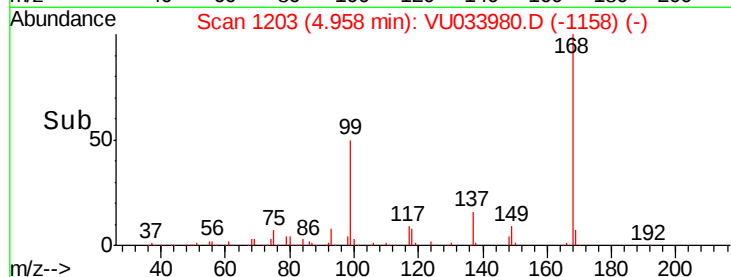
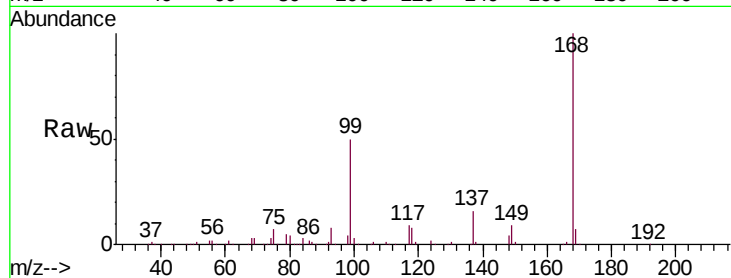
Tgt Ion:117 Resp: 34609

Ion Ratio Lower Upper

117 100

119 6.1 78.4 117.6#

121 0.0 25.4 38.2#



#50

Toluene-d8

Concen: 48.804 ug/l

RT: 7.55 min Scan# 2008

Delta R.T. 0.00 min

Lab File: VU033980.D

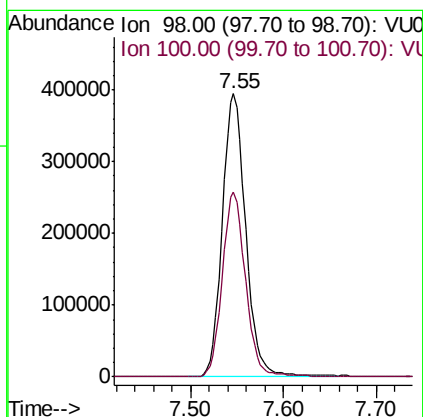
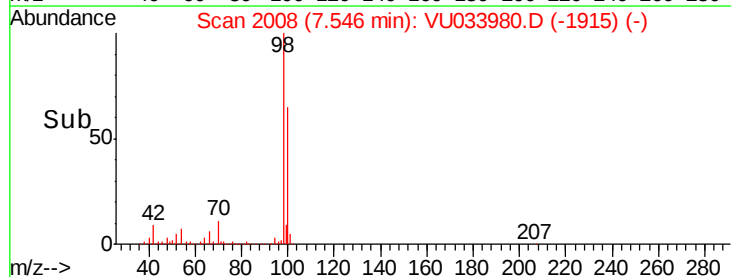
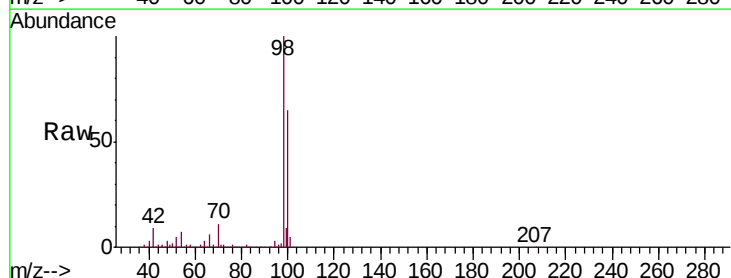
Acq: 27 Aug 2019 18:18

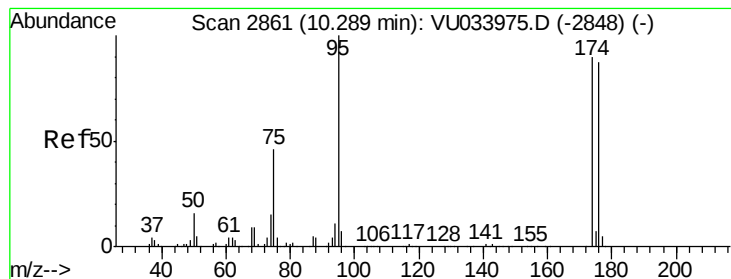
Tgt Ion: 98 Resp: 692596

Ion Ratio Lower Upper

98 100

100 64.7 51.5 77.3





#62

4-Bromofluorobenzene

Concen: 43.546 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VU033980.D

Acq: 27 Aug 2019 18:18

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TB-082719

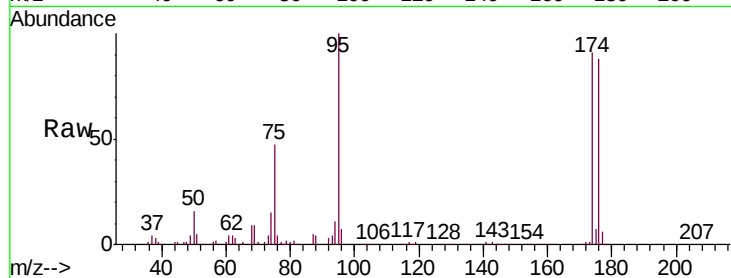
Tgt Ion: 95 Resp: 237058

Ion Ratio Lower Upper

95 100

174 92.7 0.0 183.8

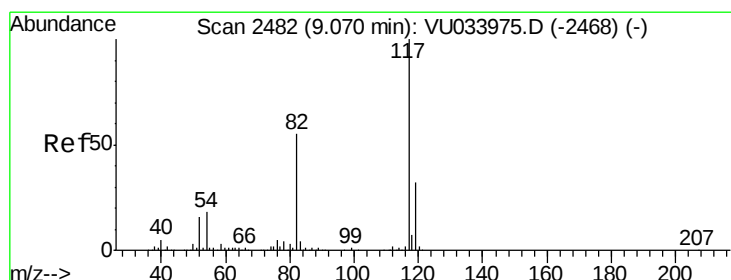
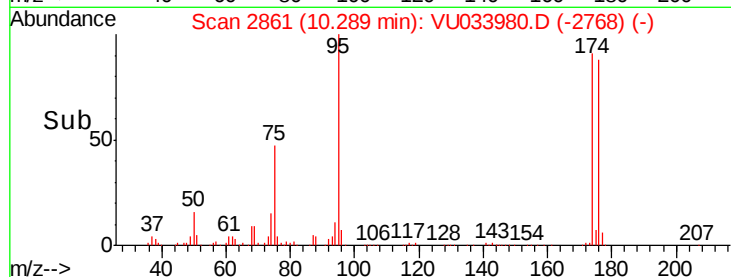
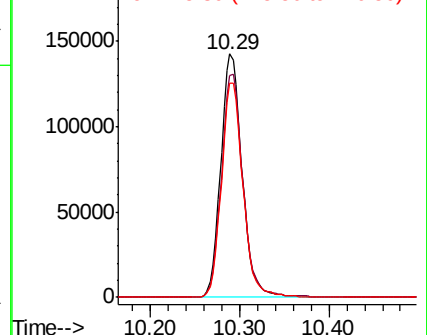
176 88.8 0.0 176.4



Abundance Ion 94.90 (94.60 to 95.60): VU033975.D (-2848) (-)

Ion 173.80 (173.50 to 174.50): VU033975.D (-2848) (-)

Ion 175.80 (175.50 to 176.50): VU033975.D (-2848) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.07 min Scan# 2482

Delta R.T. 0.00 min

Lab File: VU033980.D

Acq: 27 Aug 2019 18:18

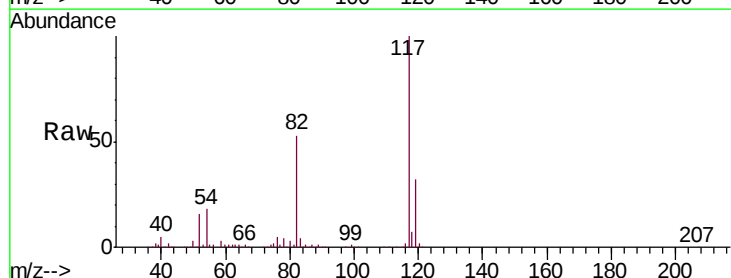
Tgt Ion: 117 Resp: 527831

Ion Ratio Lower Upper

117 100

82 53.4 43.8 65.8

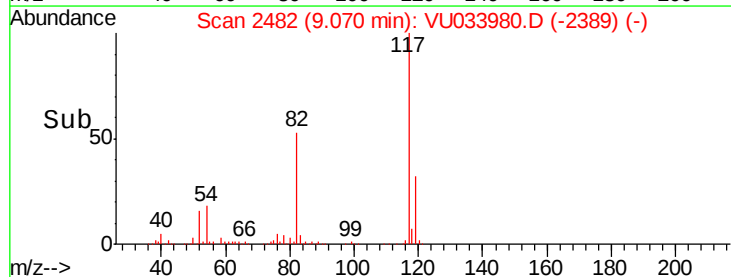
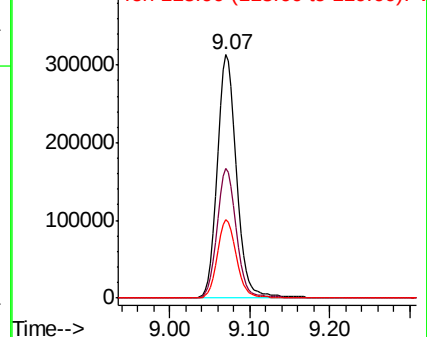
119 32.1 25.7 38.5

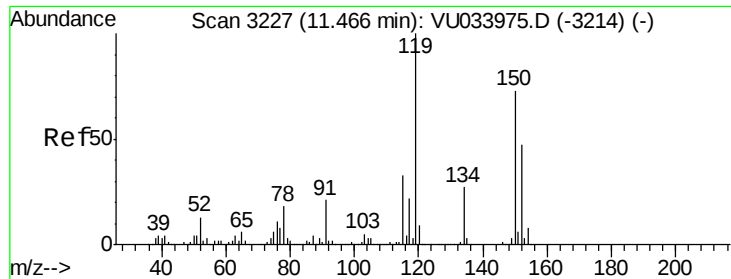


Abundance Ion 116.90 (116.60 to 117.60): VU033975.D (-2468) (-)

Ion 82.00 (81.70 to 82.70): VU033975.D (-2468) (-)

Ion 118.90 (118.60 to 119.60): VU033975.D (-2468) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.47 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VU033980.D

Acq: 27 Aug 2019 18:18

Instrument :

MSVOA_U

ClientSampleId :

TB-082719

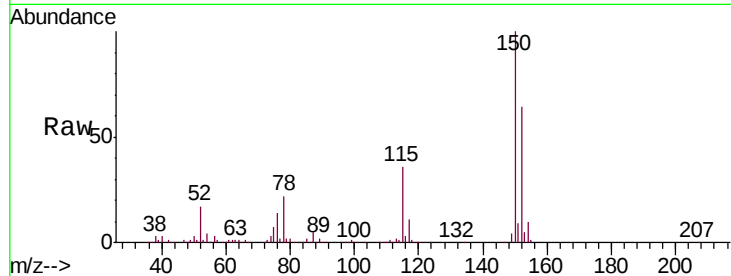
Tgt Ion:152 Resp: 251279

Ion Ratio Lower Upper

152 100

115 55.5 38.6 115.7

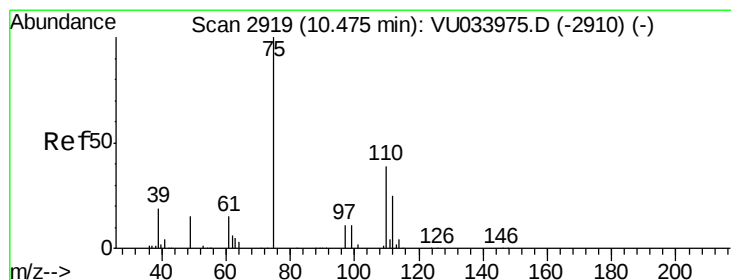
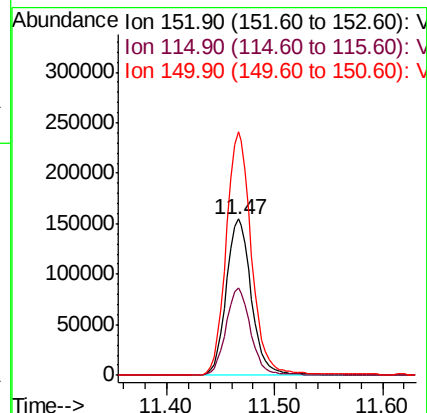
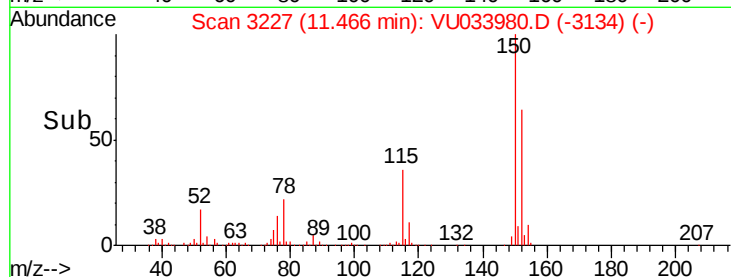
150 157.8 0.0 343.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 22.052 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.19 min

Lab File: VU033980.D

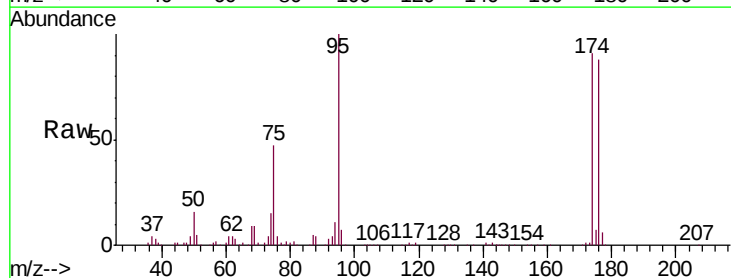
Acq: 27 Aug 2019 18:18

Tgt Ion: 75 Resp: 110407

Ion Ratio Lower Upper

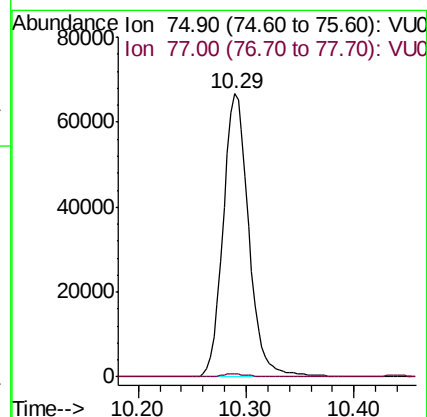
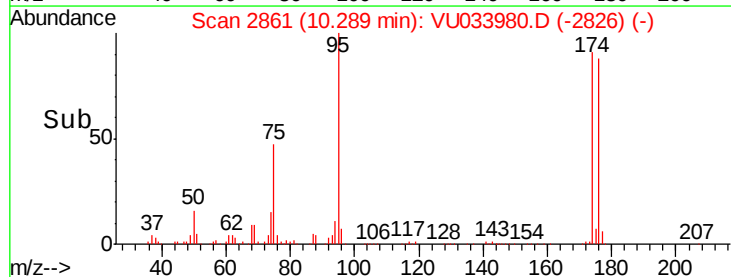
75 100

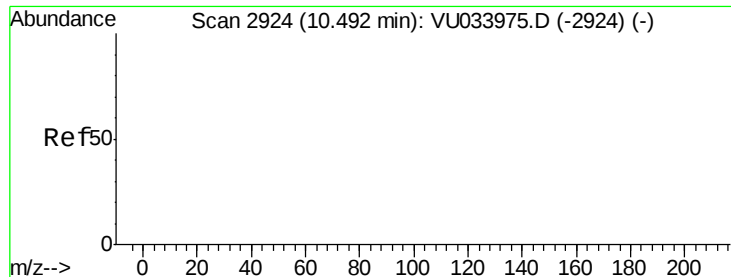
77 1.1 21.0 63.0#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#81

trans-1,4-Dichloro-2-butene

Concen: 63.161 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.20 min

Lab File: VU033980.D

Acq: 27 Aug 2019 18:18

Instrument :

MSVOA_U

ClientSampleId :

TB-082719

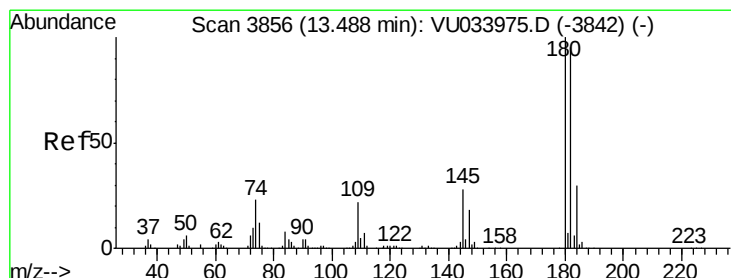
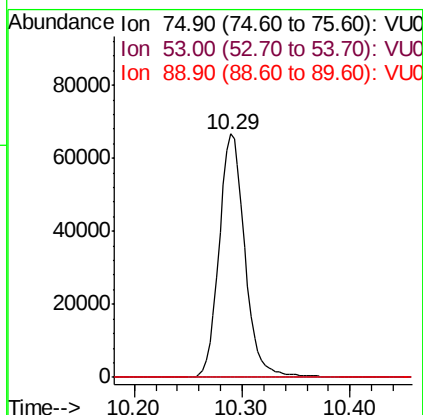
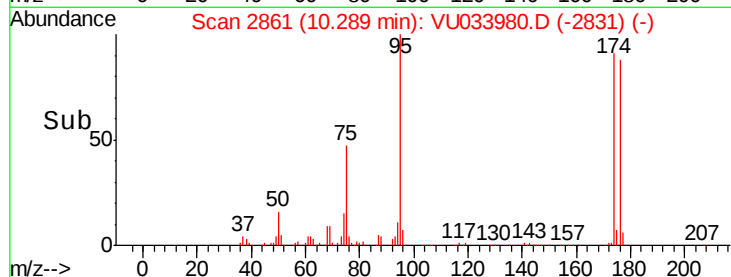
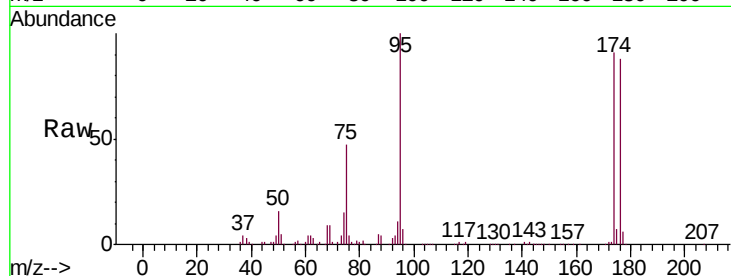
Tgt Ion: 75 Resp: 110407

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0#

89 0.0 0.0 0.0



#93

1,2,4-Trichlorobenzene

Concen: 1.786 ug/l

RT: 13.54 min Scan# 3873

Delta R.T. 0.05 min

Lab File: VU033980.D

Acq: 27 Aug 2019 18:18

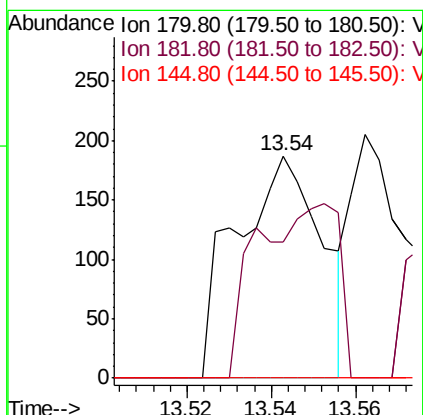
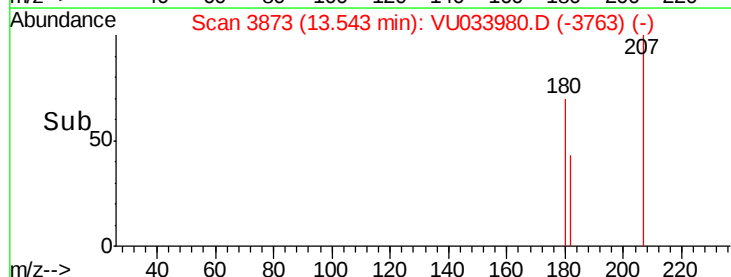
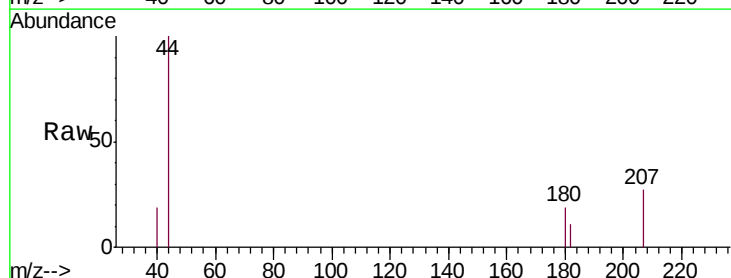
Tgt Ion: 180 Resp: 262

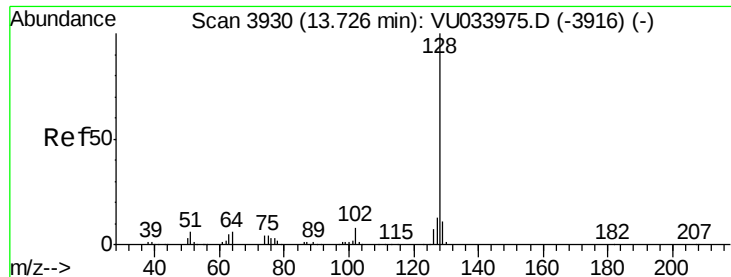
Ion Ratio Lower Upper

180 100

182 0.0 47.4 142.2#

145 0.0 14.4 43.2#





#95

Naphthalene

Concen: 2.106 ug/l

RT: 13.78 min Scan# 3946

Delta R.T. 0.05 min

Lab File: VU033980.D

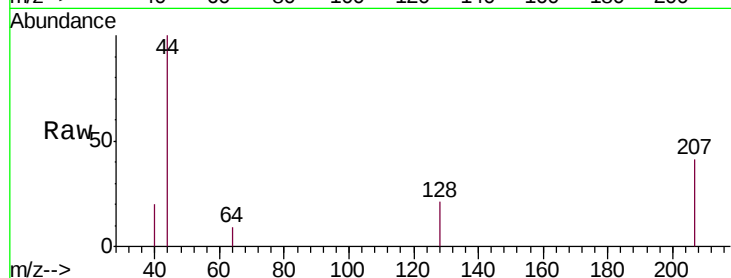
Acq: 27 Aug 2019 18:18

Instrument :

MSVOA_U

ClientSampleId :

TB-082719



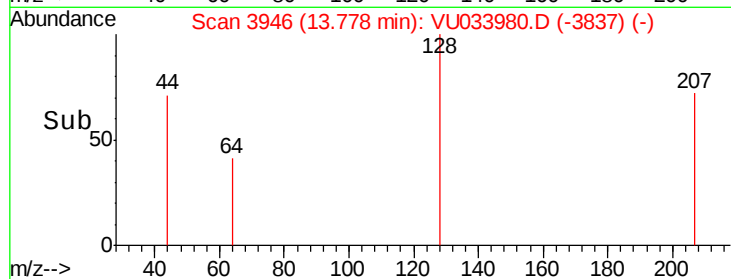
Tgt Ion:128 Resp: 381

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

129 0.0 8.5 12.7#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

