

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110518\
 Data File : VU027943.D
 Acq On : 05 Nov 2018 09:44
 Operator : MD/SY
 Sample : J5804-03
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BS-DRUM-3

Quant Time: Nov 06 03:20:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 02:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	194327	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	345678	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	307362	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	128415	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	152922	52.93	ug/l	0.00
Spiked Amount			Recovery	=	105.86%	
35) Dibromofluoromethane	4.89	113	114383	52.48	ug/l	0.00
Spiked Amount			Recovery	=	104.96%	
50) Toluene-d8	7.57	98	439885	52.25	ug/l	0.00
Spiked Amount			Recovery	=	104.50%	
62) 4-Bromofluorobenzene	10.31	95	146624	47.21	ug/l	0.00
Spiked Amount			Recovery	=	94.42%	

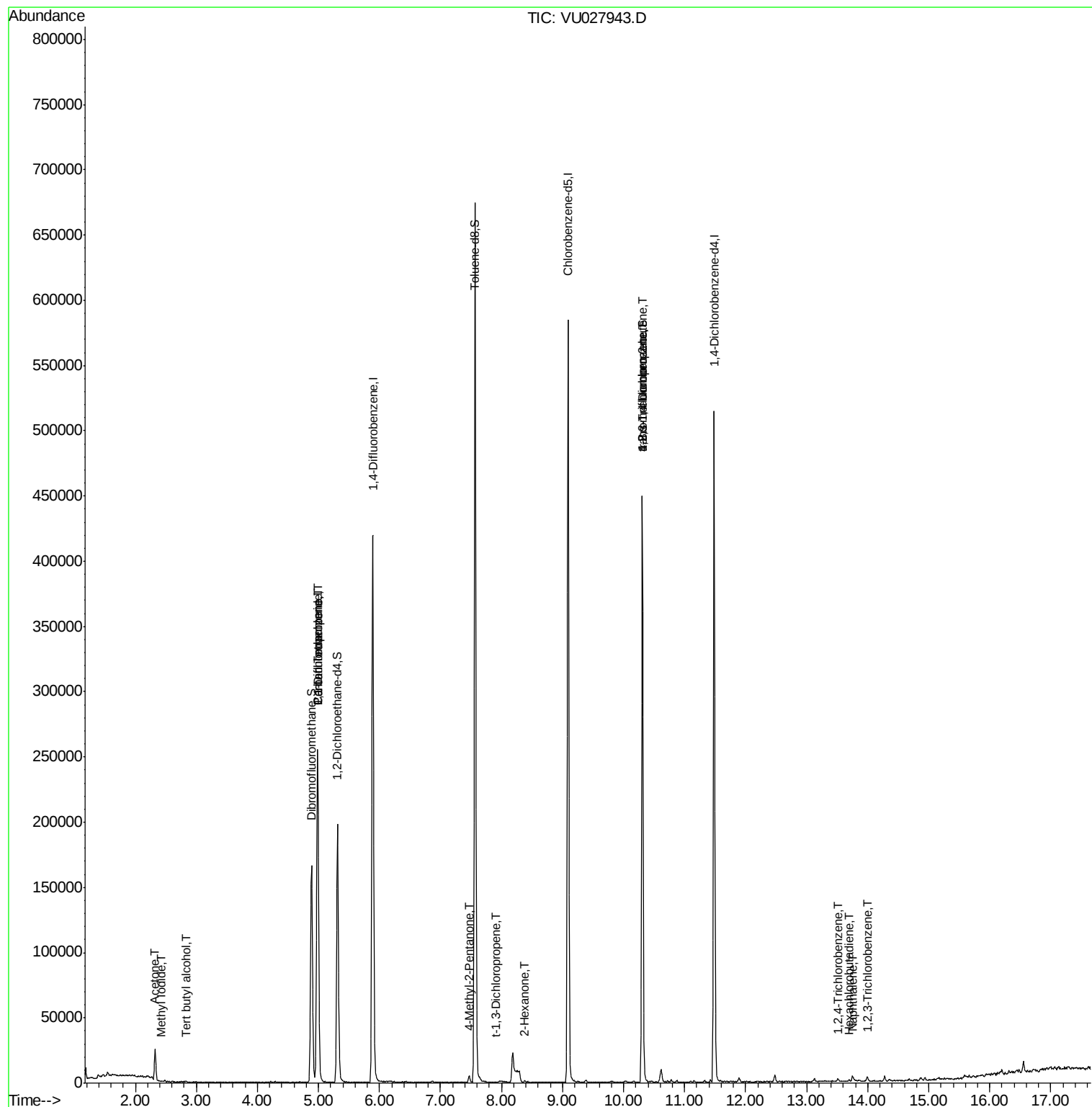
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.42	142	22	7.770	ug/l #	40
11) Tert butyl alcohol	2.82	59	353	0.462	ug/l #	73
13) Acrolein	2.20	56	253	Below Cal	#	44
16) Acetone	2.32	43	25306	14.117	ug/l	94
31) Cyclohexane	4.99	56	4763	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	16483	4.553	ug/l #	50
38) Carbon Tetrachloride	4.99	117	19726	6.148	ug/l #	17
51) 4-Methyl-2-Pentanone	7.47	43	4438	0.800	ug/l #	85
53) t-1,3-Dichloropropene	7.90	75	104	1.141	ug/l #	43
59) 2-Hexanone	8.38	43	1352	0.315	ug/l	73
76) 1,2,3-Trichloropropane	10.31	75	75488	21.491	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	75488	53.640	ug/l #	100
93) 1,2,4-Trichlorobenzene	13.51	180	958	1.002	ug/l	73
94) Hexachlorobutadiene	13.70	225	623	0.463	ug/l #	63
95) Naphthalene	13.75	128	4822	0.277	ug/l #	93
96) 1,2,3-Trichlorobenzene	13.99	180	1263	0.444	ug/l	94

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU110518\
Data File : VU027943.D
Acq On : 05 Nov 2018 09:44
Operator : MD/SY
Sample : J5804-03
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BS-DRUM-3

Quant Time: Nov 06 03:20:53 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 02 02:28:20 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027943.D

Acq: 05 Nov 2018 09:44

Instrument :

MSVOA_U

ClientSampleId :

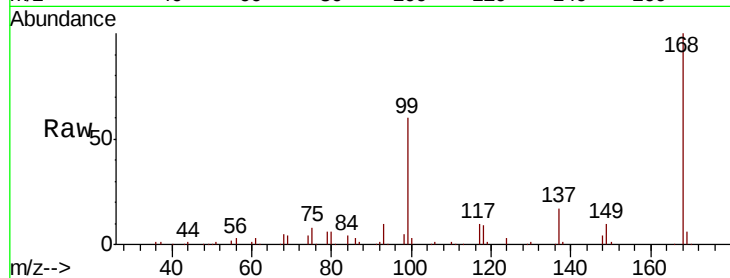
BS-DRUM-3

Tot Ion:168 Resp: 194327

Ion Ratio Lower Upper

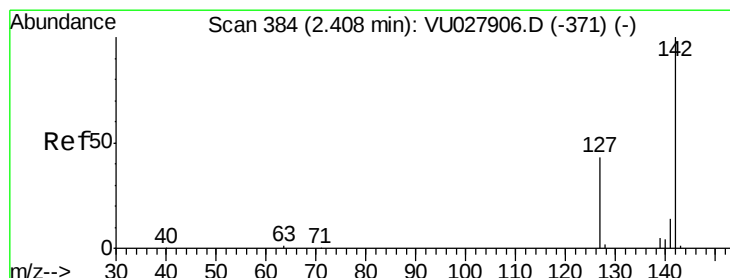
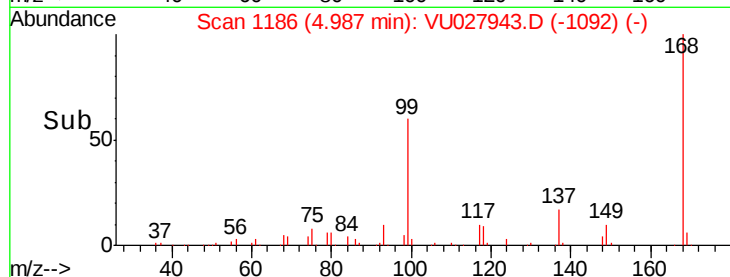
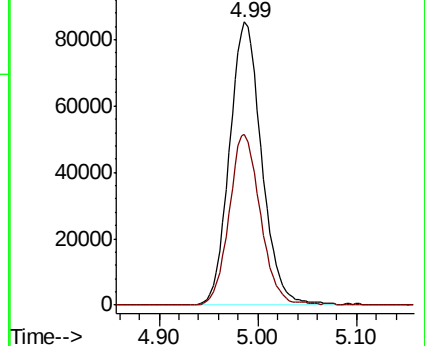
168 100

99 60.1 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#10

Methyl Iodide

Concen: 7.770 ug/l

RT: 2.42 min Scan# 388

Delta R.T. 0.01 min

Lab File: VU027943.D

Acq: 05 Nov 2018 09:44

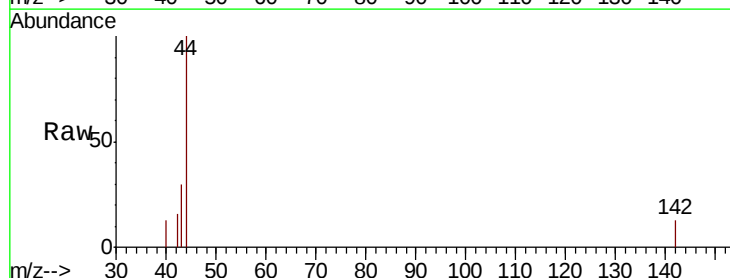
Tgt Ion:142 Resp: 22

Ion Ratio Lower Upper

142 100

127 0.0 35.2 52.8#

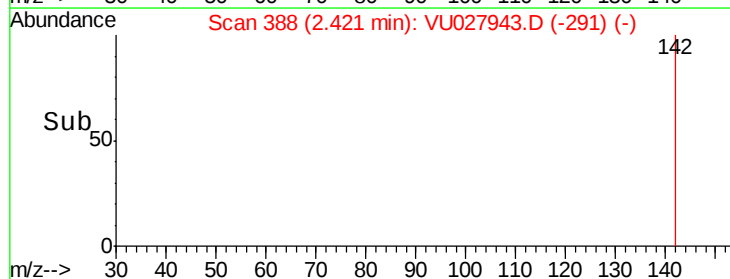
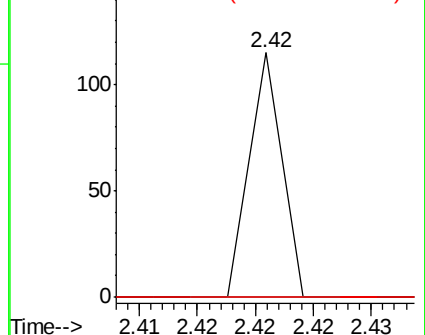
141 0.0 11.8 17.8#

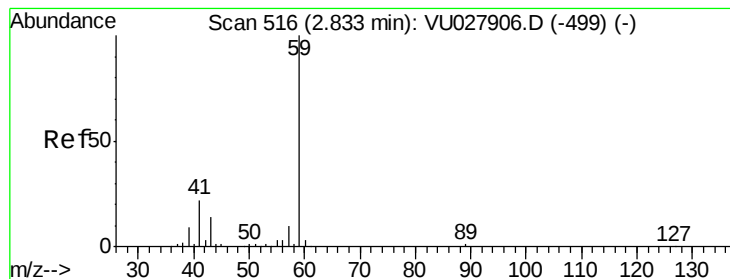


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



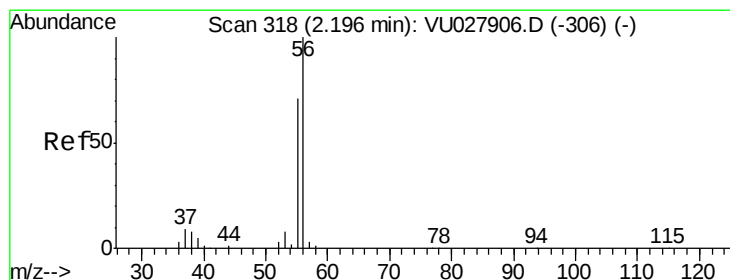
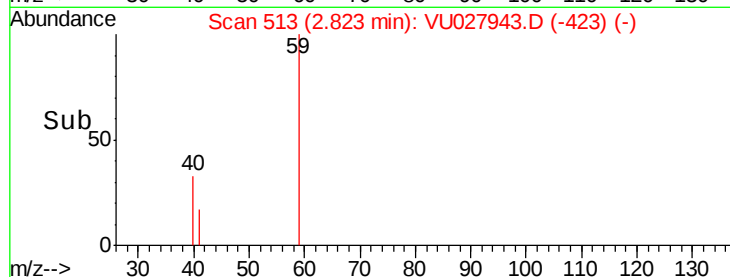
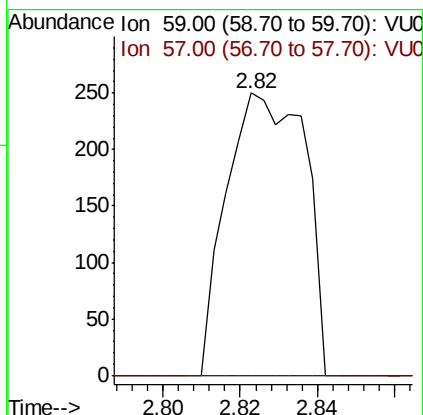
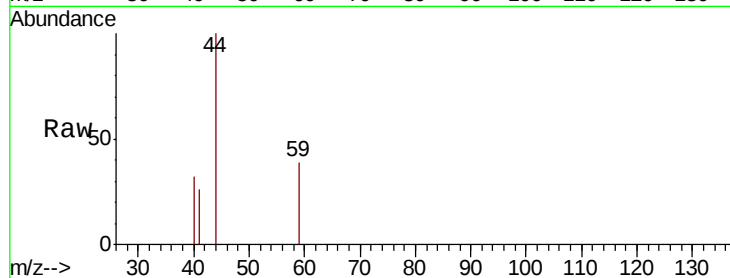


#11

Tert butyl alcohol
 Concen: 0.462 ug/l
 RT: 2.82 min Scan# 513
 Delta R.T. -0.01 min
 Lab File: VU027943.D
 Acq: 05 Nov 2018 09:44

Instrument :
 MSVOA_U
 ClientSampleId :
 BS-DRUM-3

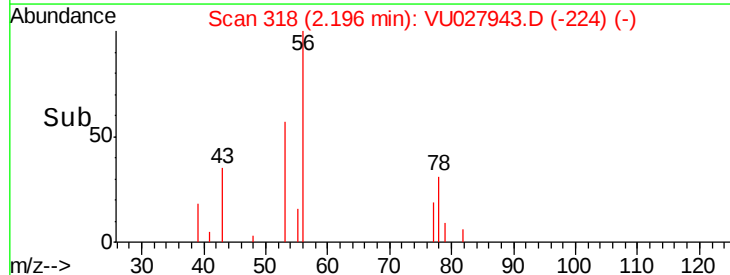
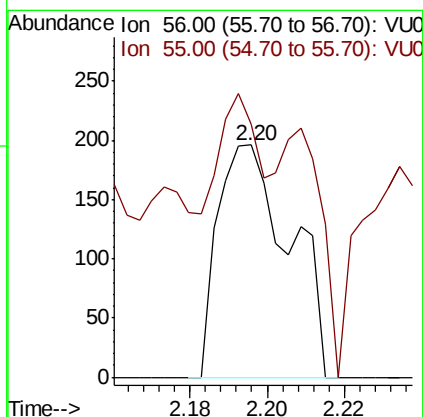
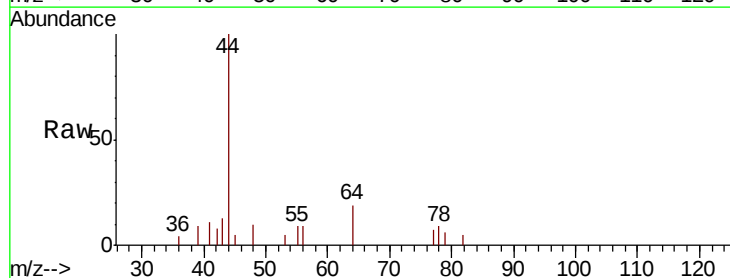
Tot Ion: 59 Resp: 353
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.8#

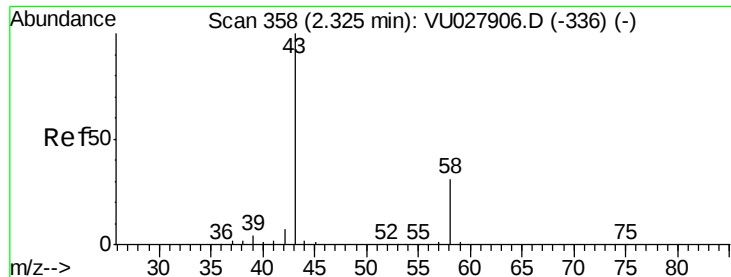


#13

Acrolein
 Concen: Below Cal
 RT: 2.20 min Scan# 318
 Delta R.T. 0.00 min
 Lab File: VU027943.D
 Acq: 05 Nov 2018 09:44

Tgt Ion: 56 Resp: 253
 Ion Ratio Lower Upper
 56 100
 55 24.1 56.2 84.4#





#16

Acetone

Concen: 14.117 ug/l

RT: 2.32 min Scan# 358

Delta R.T. -0.00 min

Lab File: VU027943.D

Acq: 05 Nov 2018 09:44

Instrument :

MSVOA_U

ClientSampleId :

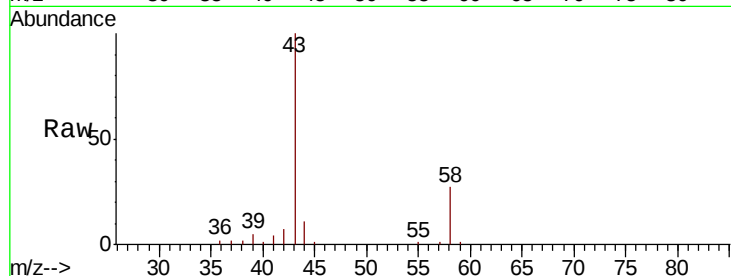
BS-DRUM-3

Tot Ion: 43 Resp: 25306

Ion Ratio Lower Upper

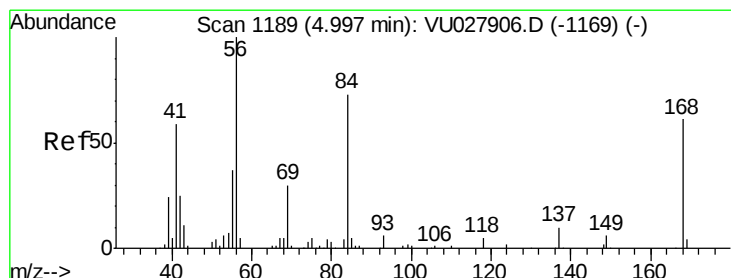
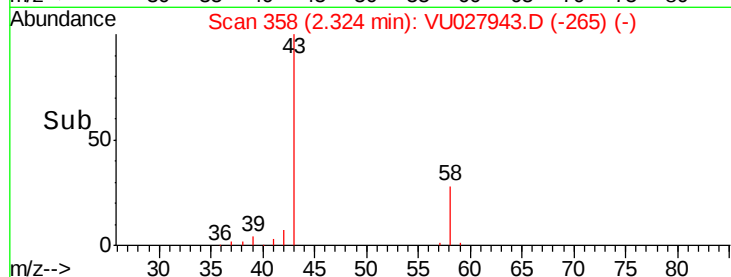
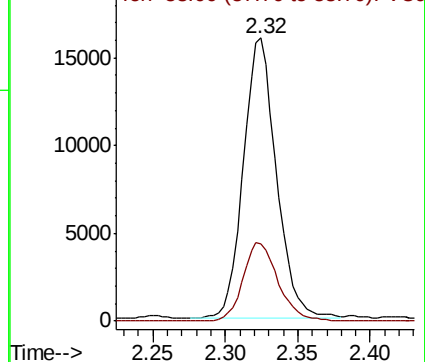
43 100

58 27.6 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1186

Delta R.T. -0.01 min

Lab File: VU027943.D

Acq: 05 Nov 2018 09:44

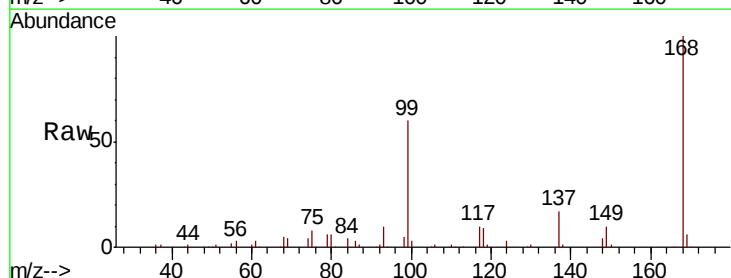
Tgt Ion: 56 Resp: 4763

Ion Ratio Lower Upper

56 100

69 169.8 23.7 35.5#

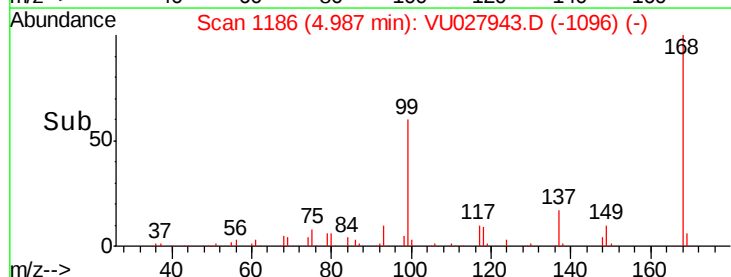
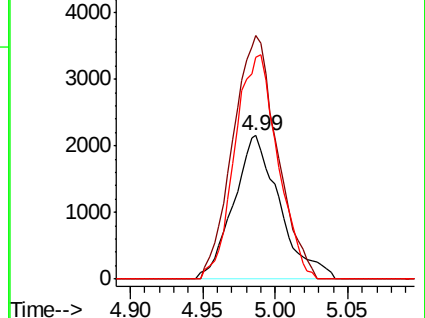
84 154.6 58.2 87.4#

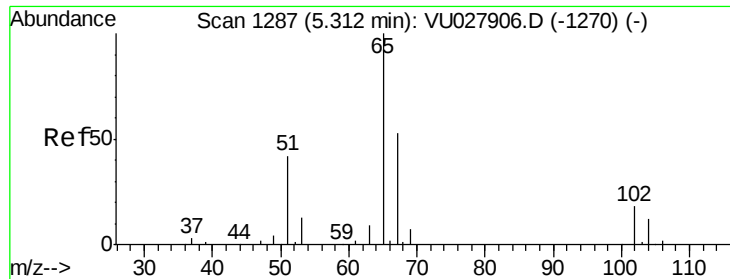


Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0

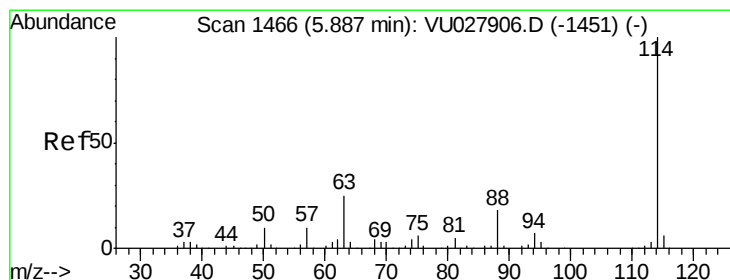
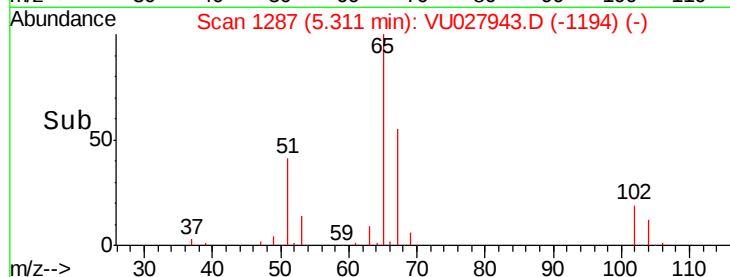
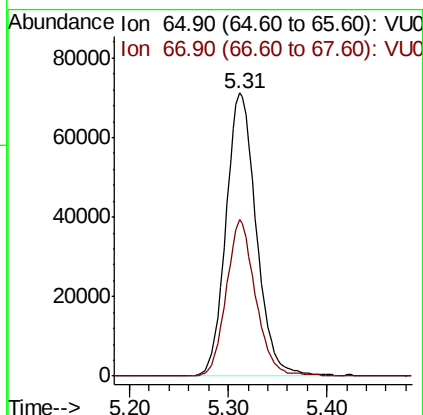
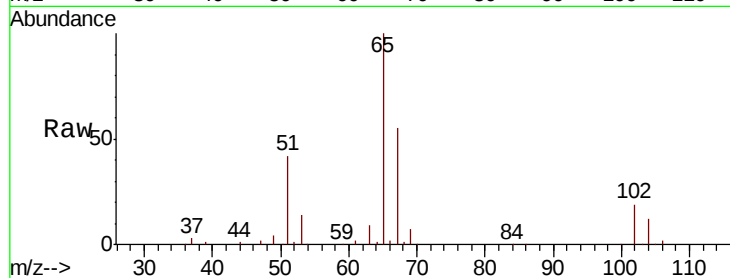




#33
 1,2-Dichloroethane-d4
 Concen: 52.930 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. -0.00 min
 Lab File: VU027943.D
 Acq: 05 Nov 2018 09:44

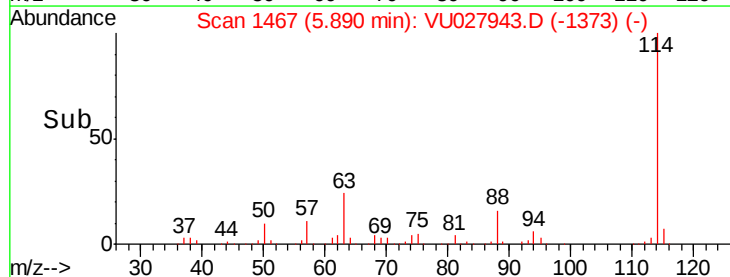
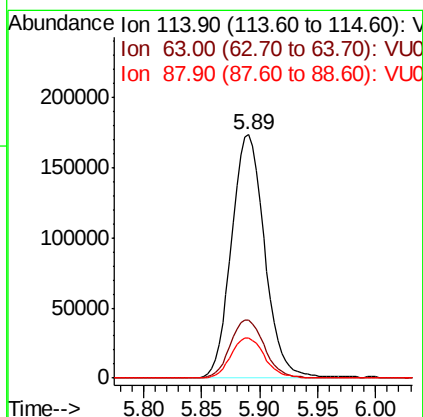
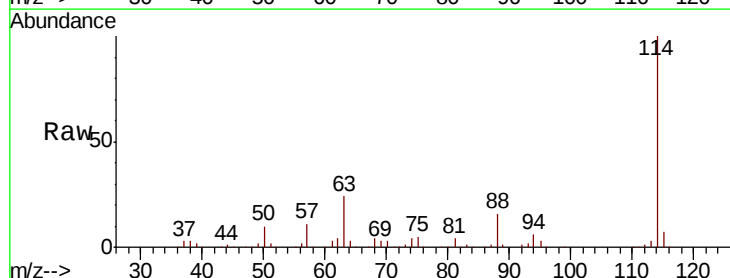
Instrument :
 MSVOA_U
 ClientSampleId :
 BS-DRUM-3

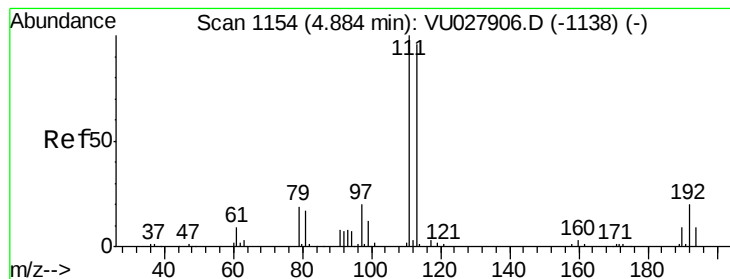
Tot Ion: 65 Resp: 152922
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027943.D
 Acq: 05 Nov 2018 09:44

Tgt Ion: 114 Resp: 345678
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 50.8
 88 16.2 0.0 35.8





#35

Dibromofluoromethane

Concen: 52.480 ug/l

RT: 4.89 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VU027943.D

Acq: 05 Nov 2018 09:44

Instrument :

MSVOA_U

ClientSampleId :

BS-DRUM-3

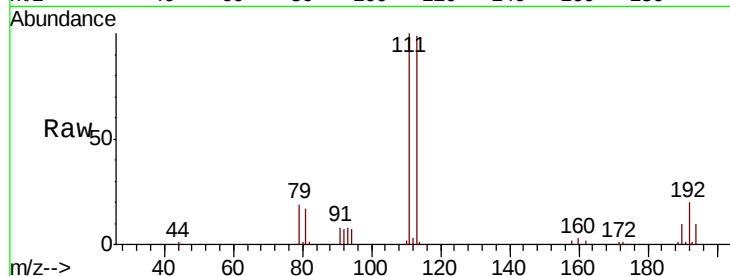
Tot Ion:113 Resp: 114383

Ion Ratio Lower Upper

113 100

111 102.9 83.0 124.6

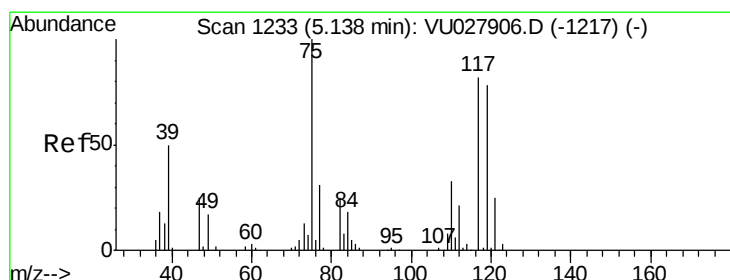
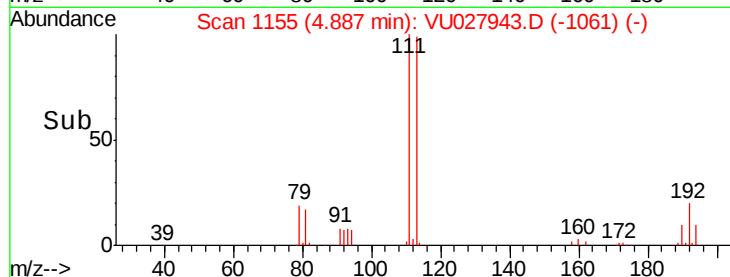
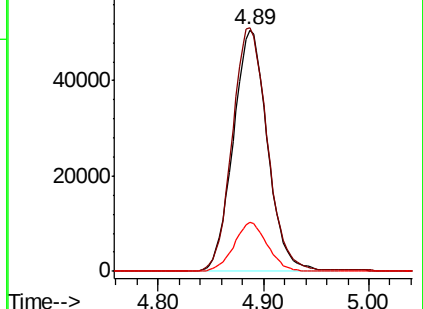
192 19.7 15.6 23.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.553 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.15 min

Lab File: VU027943.D

Acq: 05 Nov 2018 09:44

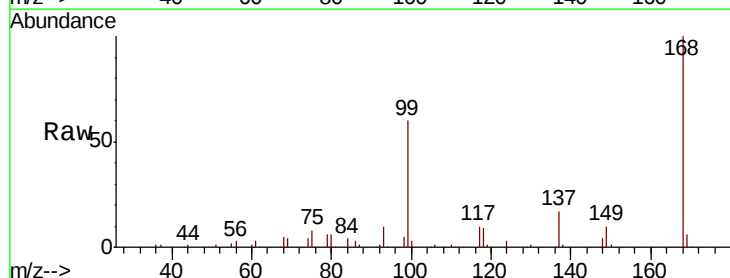
Tgt Ion: 75 Resp: 16483

Ion Ratio Lower Upper

75 100

110 8.5 16.5 49.5#

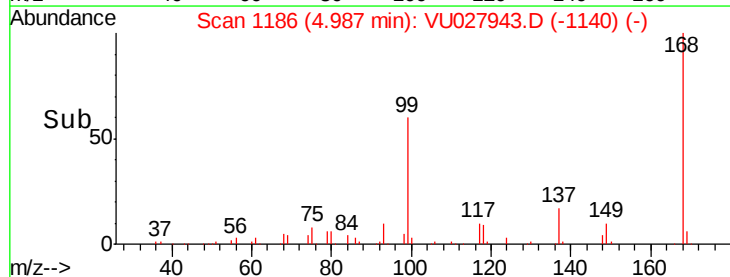
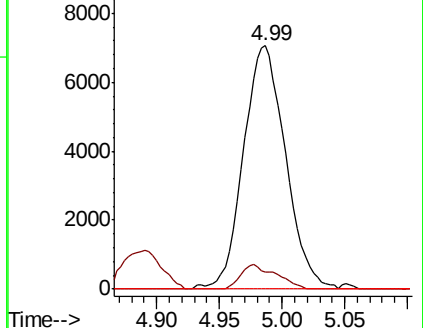
77 0.0 24.9 37.3#

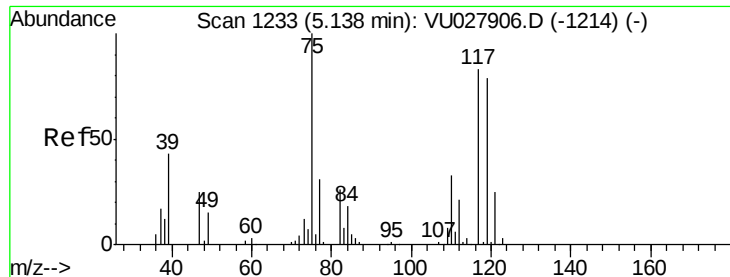


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#38

Carbon Tetrachloride

Concen: 6.148 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.15 min

Lab File: VU027943.D

Acq: 05 Nov 2018 09:44

Instrument :

MSVOA_U

ClientSampleId :

BS-DRUM-3

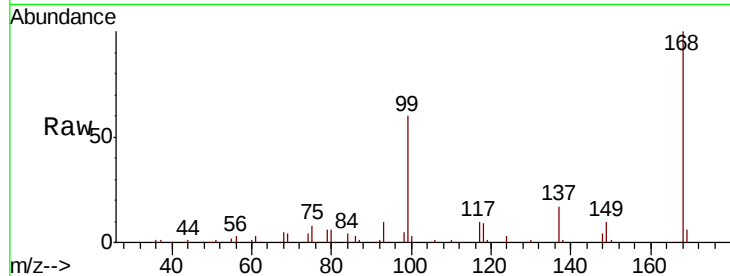
Tot Ion:117 Resp: 19726

Ion Ratio Lower Upper

117 100

119 5.4 76.0 114.0#

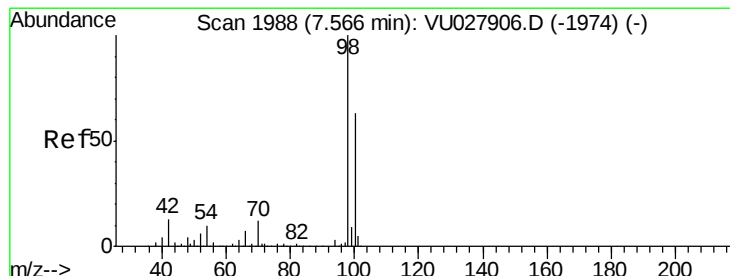
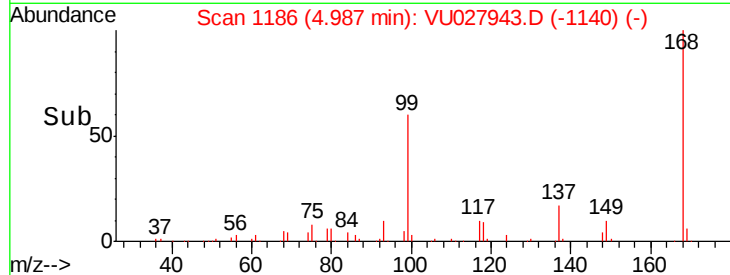
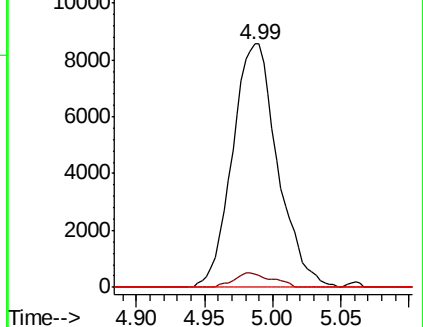
121 0.0 24.5 36.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 52.246 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU027943.D

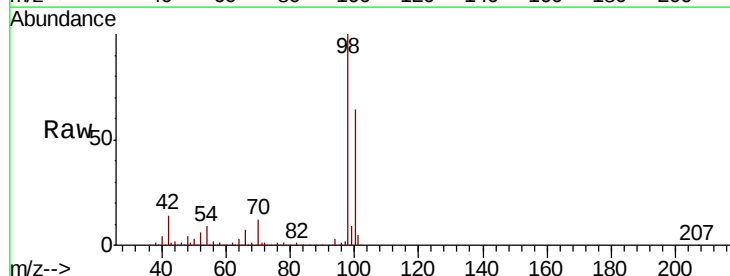
Acq: 05 Nov 2018 09:44

Tgt Ion: 98 Resp: 439885

Ion Ratio Lower Upper

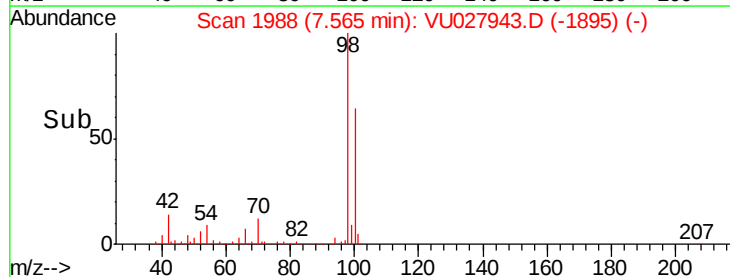
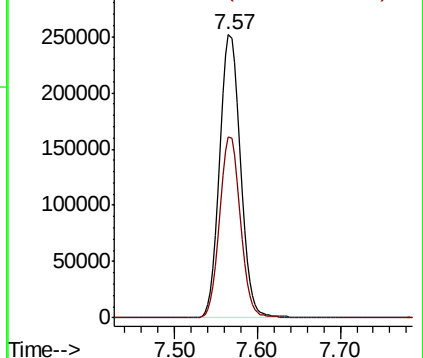
98 100

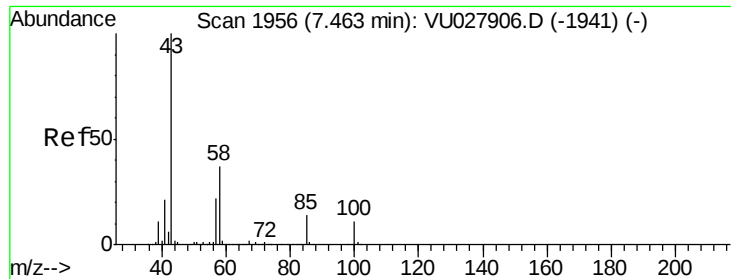
100 63.2 50.1 75.1



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU





#51

4-Methyl-2-Pentanone

Concen: 0.800 ug/l

RT: 7.47 min Scan# 1959

Delta R.T. 0.01 min

Lab File: VU027943.D

Acq: 05 Nov 2018 09:44

Instrument :

MSVOA_U

ClientSampleId :

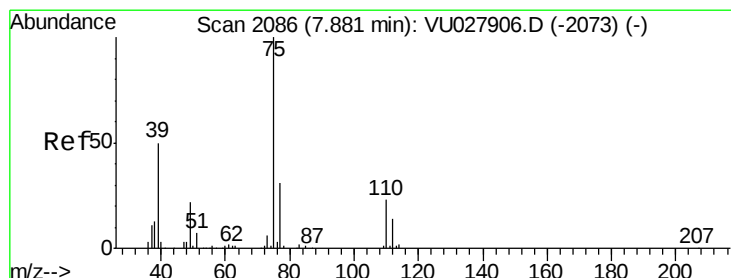
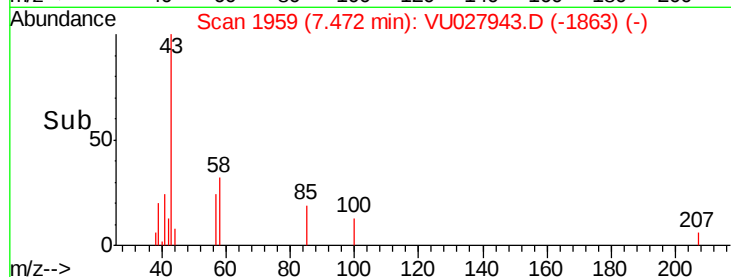
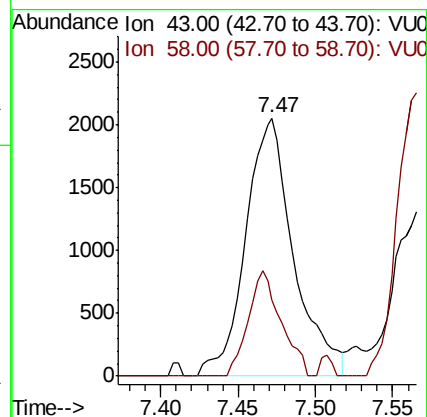
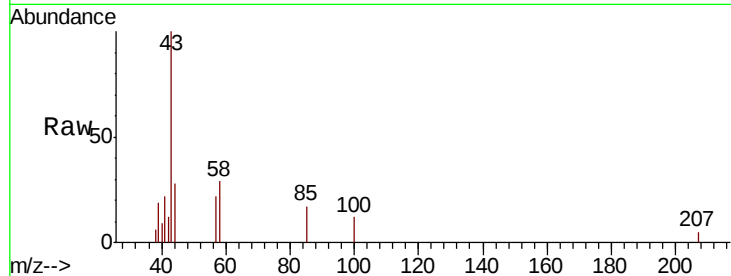
BS-DRUM-3

Tot Ion: 43 Resp: 4438

Ion Ratio Lower Upper

43 100

58 27.7 29.5 44.3#



#53

t-1,3-Dichloropropene

Concen: 1.141 ug/l

RT: 7.90 min Scan# 2092

Delta R.T. 0.02 min

Lab File: VU027943.D

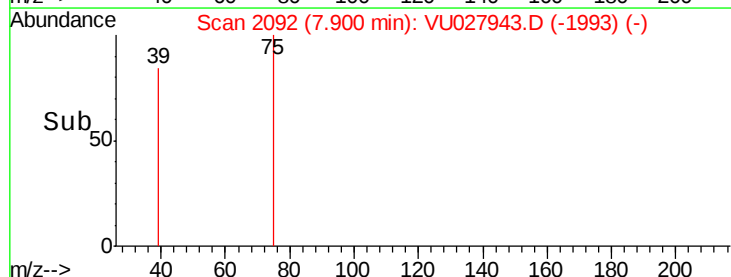
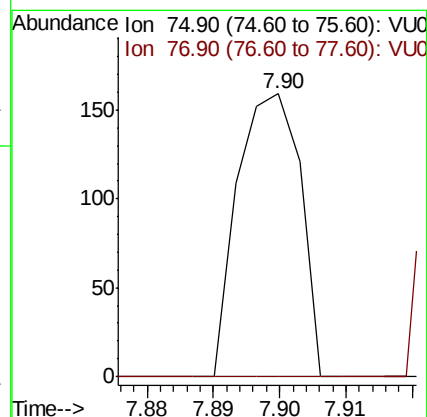
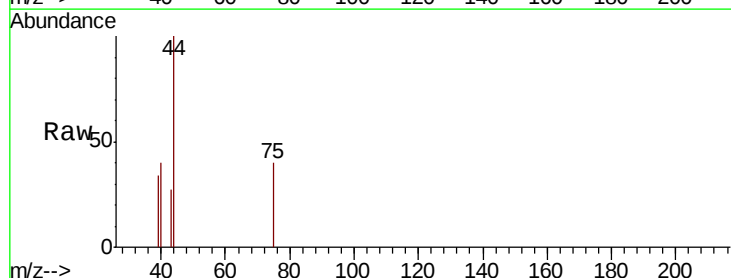
Acq: 05 Nov 2018 09:44

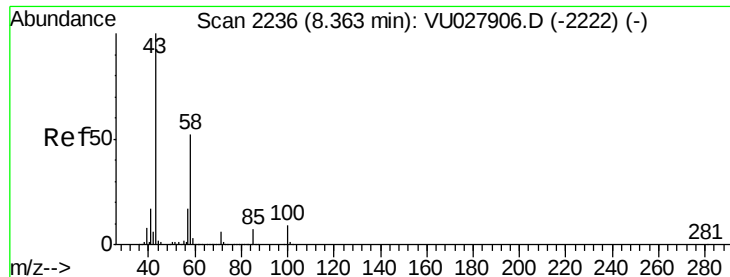
Tgt Ion: 75 Resp: 104

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#

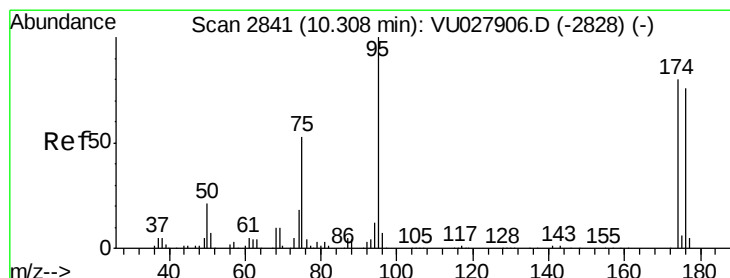
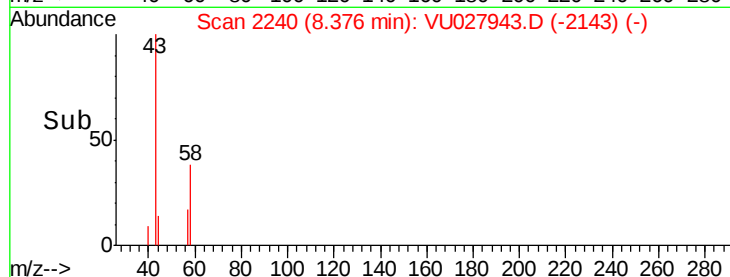
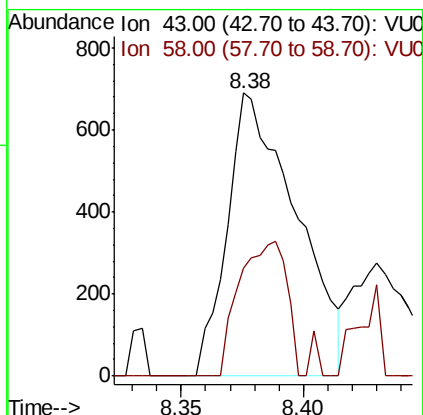
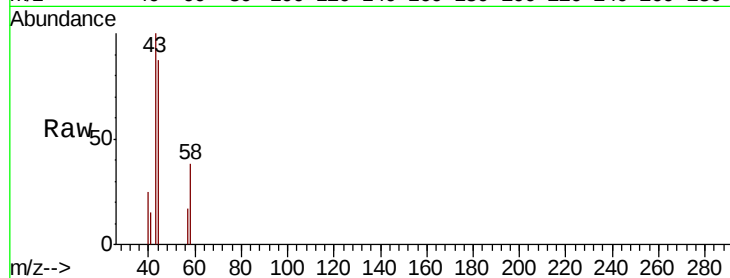




#59
2-Hexanone
Concen: 0.315 ug/l
RT: 8.38 min Scan# 2240
Delta R.T. 0.01 min
Lab File: VU027943.D
Acq: 05 Nov 2018 09:44

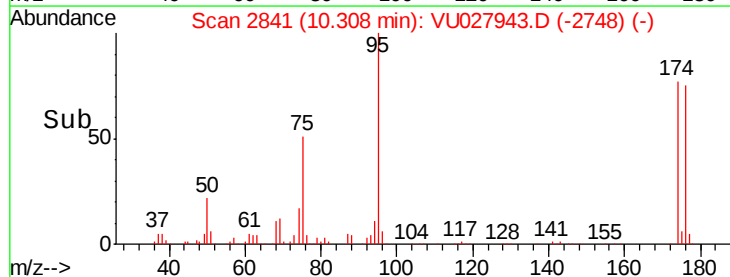
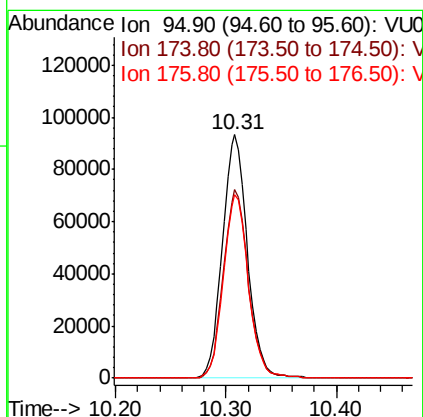
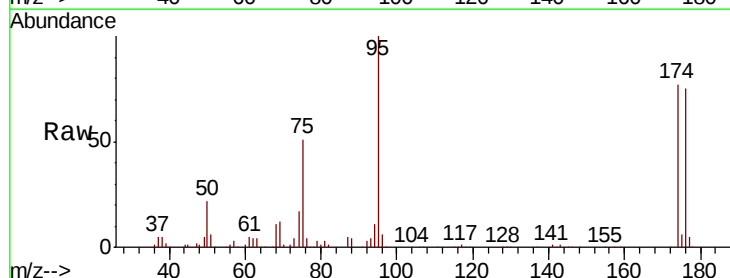
Instrument :
MSVOA_U
ClientSampleId :
BS-DRUM-3

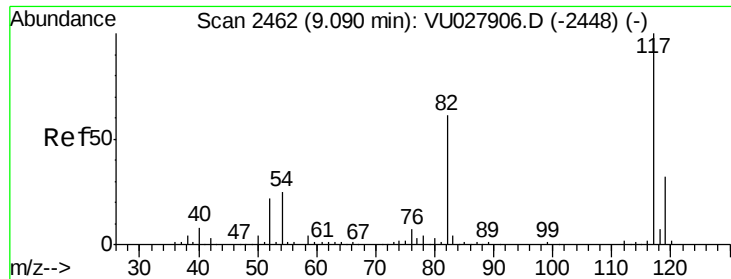
Tot Ion: 43 Resp: 1352
Ion Ratio Lower Upper
43 100
58 32.8 25.8 77.3



#62
4-Bromofluorobenzene
Concen: 47.215 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.00 min
Lab File: VU027943.D
Acq: 05 Nov 2018 09:44

Tgt Ion: 95 Resp: 146624
Ion Ratio Lower Upper
95 100
174 77.4 0.0 156.4
176 75.6 0.0 150.8

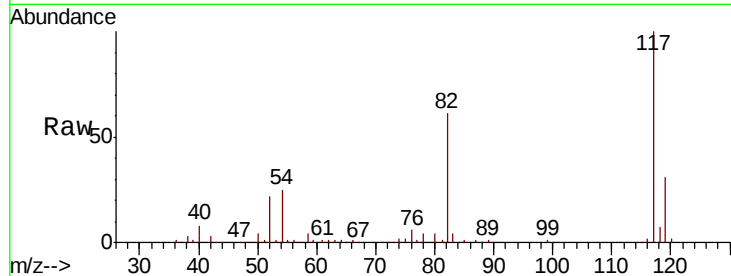




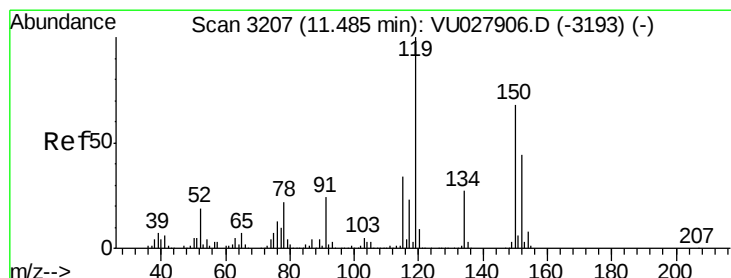
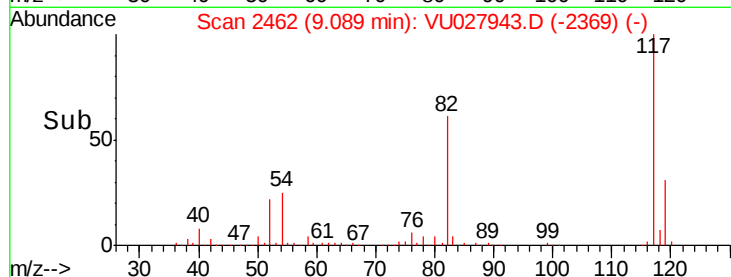
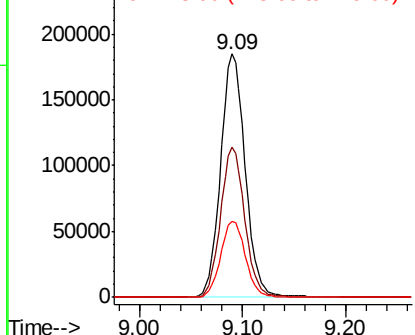
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027943.D
Acq: 05 Nov 2018 09:44

Instrument :
MSVOA_U
ClientSampleId :
BS-DRUM-3

Tot Ion:117 Resp: 307362
Ion Ratio Lower Upper
117 100
82 61.5 48.6 73.0
119 31.3 25.8 38.8

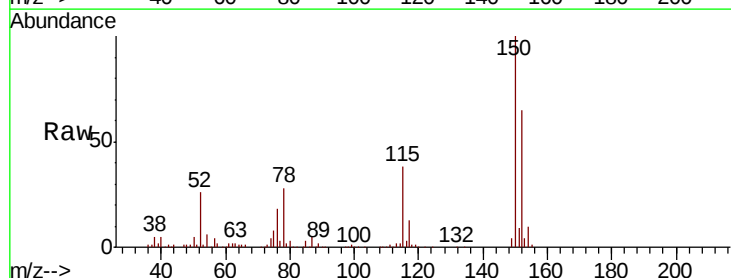


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

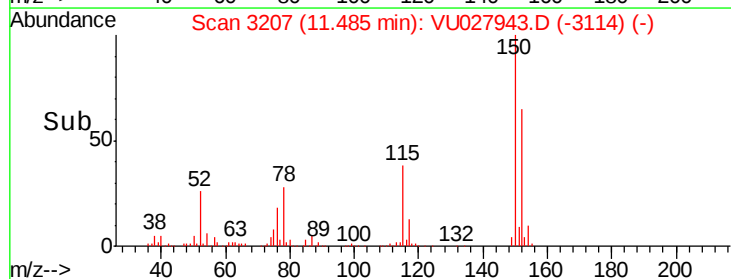
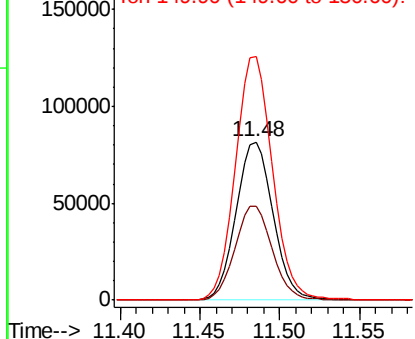


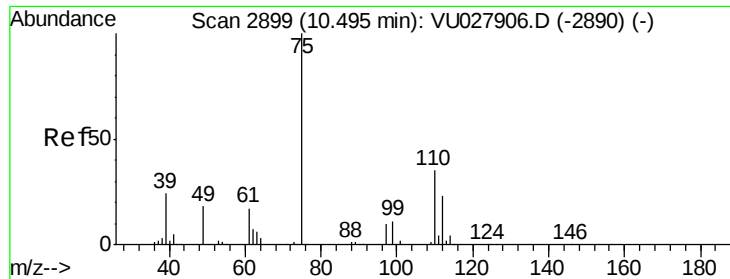
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. -0.00 min
Lab File: VU027943.D
Acq: 05 Nov 2018 09:44

Tgt Ion:152 Resp: 128415
Ion Ratio Lower Upper
152 100
115 60.2 43.0 129.0
150 154.5 0.0 349.4



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: 21.491 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027943.D

Acq: 05 Nov 2018 09:44

Instrument :

MSVOA_U

ClientSampleId :

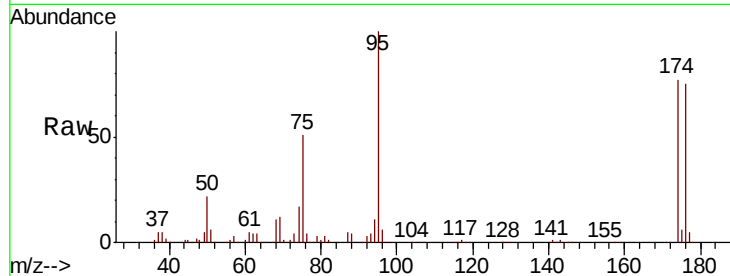
BS-DRUM-3

Tot Ion: 75 Resp: 75488

Ion Ratio Lower Upper

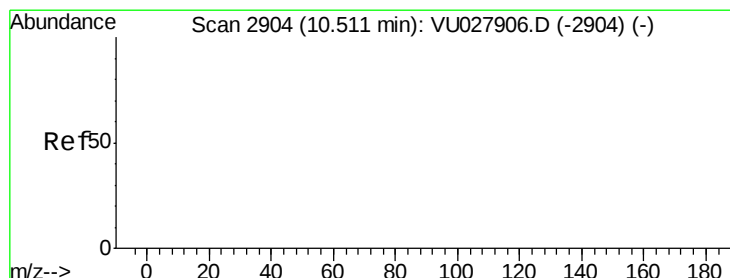
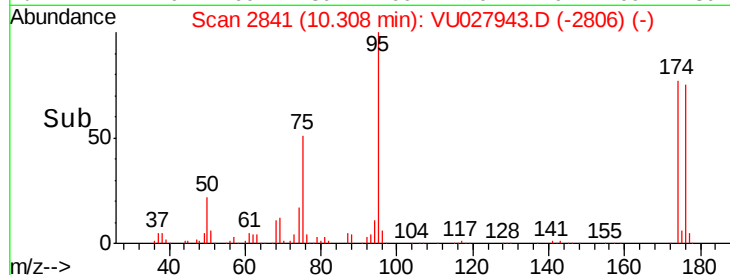
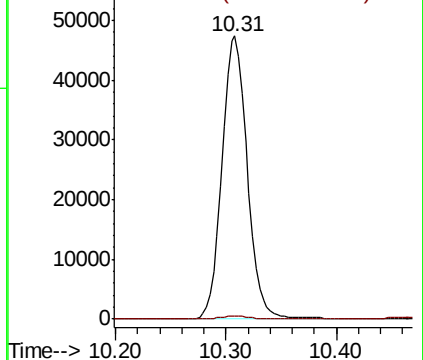
75 100

77 1.2 21.6 64.6#



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: 53.640 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.20 min

Lab File: VU027943.D

Acq: 05 Nov 2018 09:44

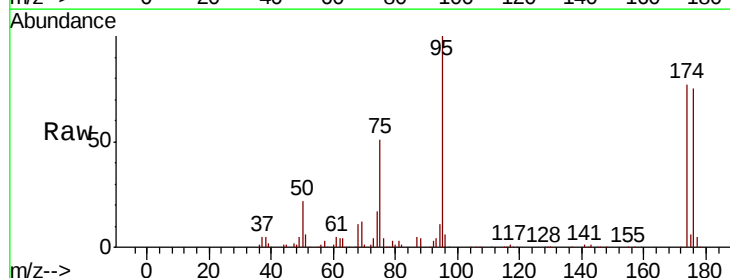
Tgt Ion: 75 Resp: 75488

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

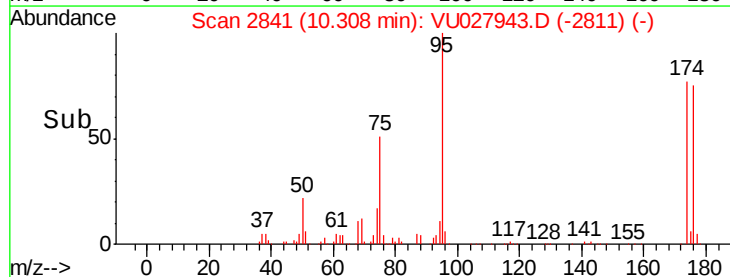
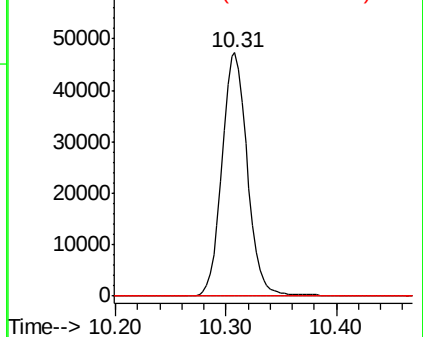
89 0.0 0.0 0.0

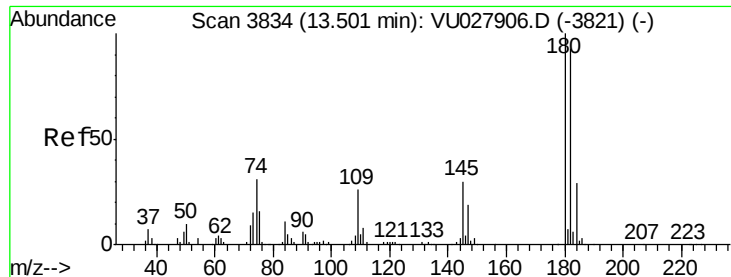


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0

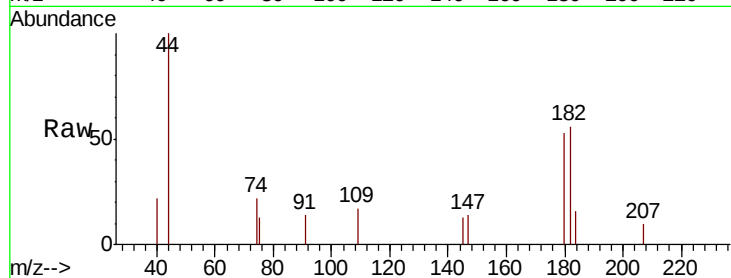




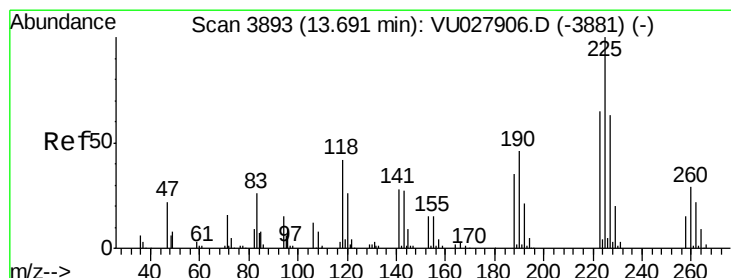
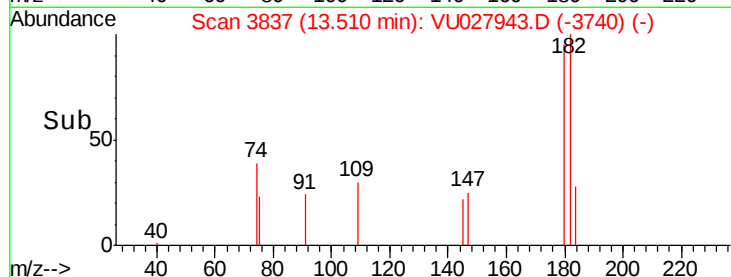
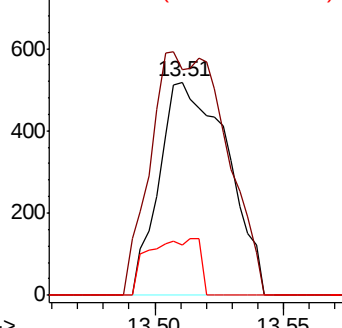
#93
 1,2,4-Trichlorobenzene
 Concen: 1.002 ug/l
 RT: 13.51 min Scan# 3837
 Delta R.T. 0.01 min
 Lab File: VU027943.D
 Acq: 05 Nov 2018 09:44

Instrument :
 MSVOA_U
 ClientSampleId :
 BS-DRUM-3

Tot Ion:180 Resp: 958
 Ion Ratio Lower Upper
 180 100
 182 67.6 48.4 145.2
 145 19.7 14.9 44.5

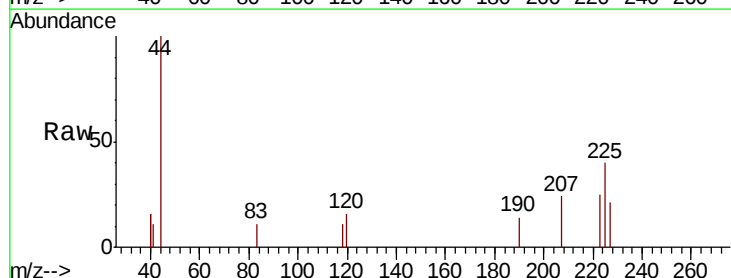


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

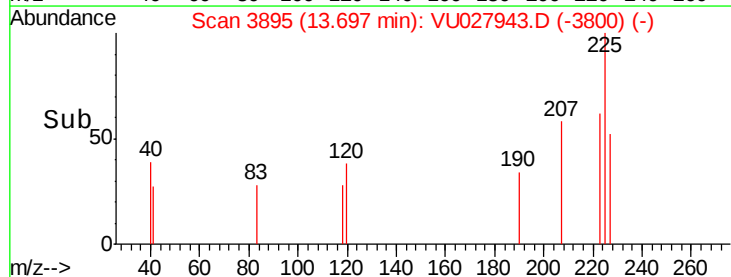
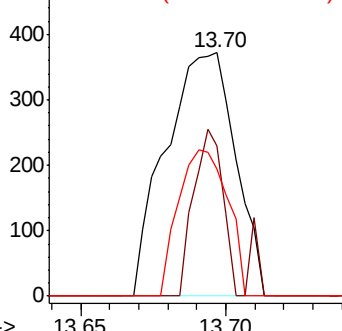


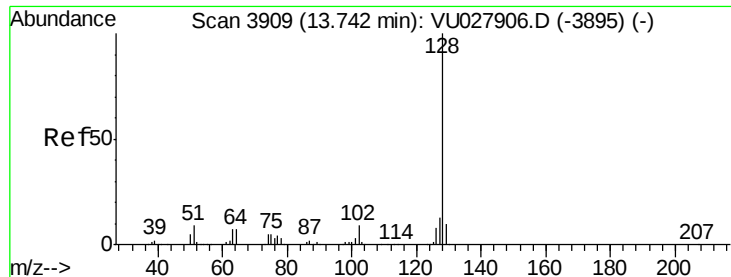
#94
 Hexachlorobutadiene
 Concen: 0.463 ug/l
 RT: 13.70 min Scan# 3895
 Delta R.T. 0.01 min
 Lab File: VU027943.D
 Acq: 05 Nov 2018 09:44

Tgt Ion:225 Resp: 623
 Ion Ratio Lower Upper
 225 100
 223 28.9 32.2 96.6#
 227 42.4 32.5 97.4



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 0.277 ug/l

RT: 13.75 min Scan# 3912

Delta R.T. 0.01 min

Lab File: VU027943.D

Acq: 05 Nov 2018 09:44

Instrument :

MSVOA_U

ClientSampleId :

BS-DRUM-3

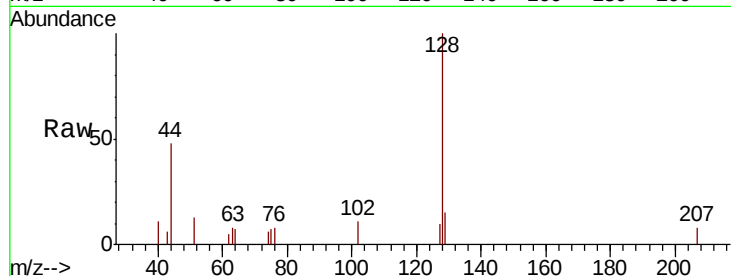
Tot Ion:128 Resp: 4822

Ion Ratio Lower Upper

128 100

127 8.0 10.4 15.6#

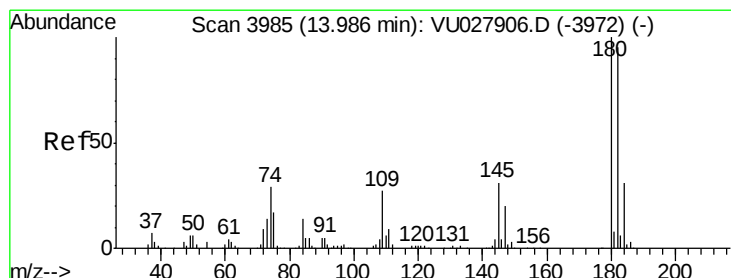
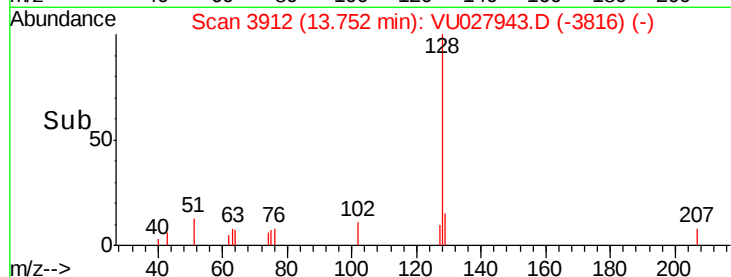
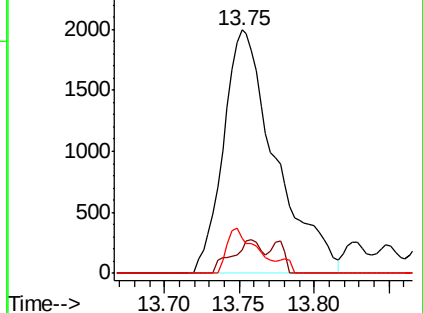
129 10.4 8.3 12.5



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



#96

1,2,3-Trichlorobenzene

Concen: 0.444 ug/l

RT: 13.99 min Scan# 3987

Delta R.T. 0.01 min

Lab File: VU027943.D

Acq: 05 Nov 2018 09:44

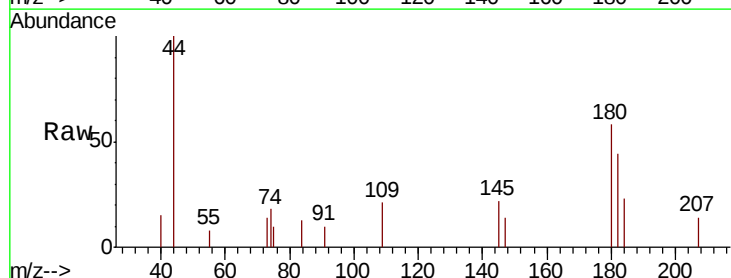
Tgt Ion:180 Resp: 1263

Ion Ratio Lower Upper

180 100

182 98.5 47.4 142.3

145 24.5 16.0 47.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

