

Data File : VU027031.D
Acq On : 22 Sep 2018 21:13
Operator : MD/SY
Sample : J4934-22
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 71 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ157I1-20180913

Quant Time: Sep 24 02:53:48 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
Quant Title : SW846 8260
QLast Update : Sat Sep 22 01:31:57 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	93615	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	156775	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	151899	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	67235	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	96434	51.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.36%	
35) Dibromofluoromethane	4.88	113	66535	48.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.92%	
50) Toluene-d8	7.57	98	242531	46.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.66%	
62) 4-Bromofluorobenzene	10.31	95	79465	44.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.44%	

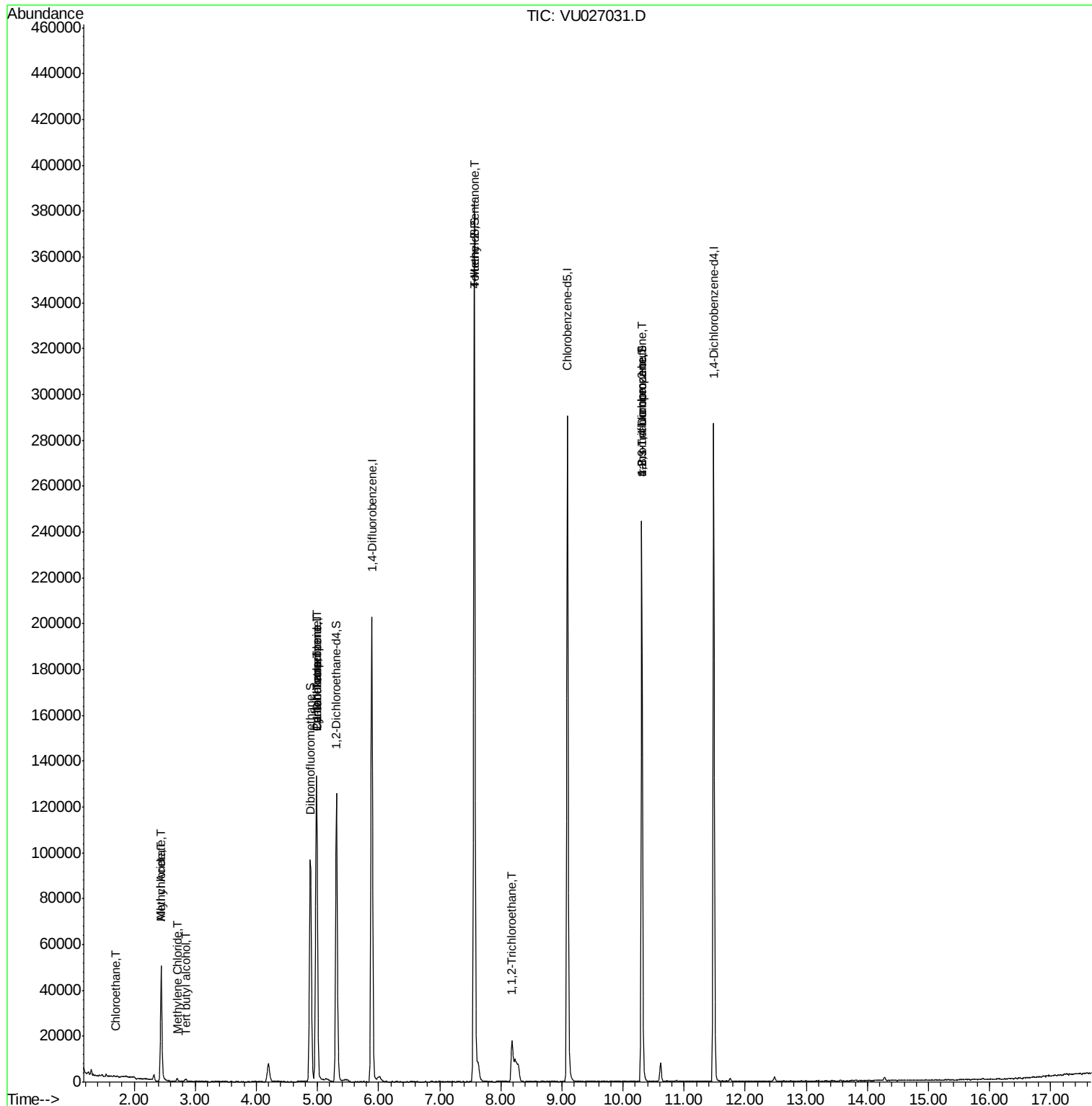
Target Compounds			Qvalue			
6) Chloroethane	1.71	64	304	0.242	ug/l #	43
11) Tert butyl alcohol	2.84	59	819	1.896	ug/l #	72
14) Allyl chloride	2.44	41	5092	1.942	ug/l #	70
16) Acetone	2.32	43	2888	Below Cal		97
18) Methyl Acetate	2.44	43	12424	4.633	ug/l #	55
20) Methylene Chloride	2.70	84	510	0.302	ug/l	96
31) Cyclohexane	4.98	56	2504	0.320	ug/l #	1
36) 1,1-Dichloropropene	4.99	75	9067	4.333	ug/l #	48
38) Carbon Tetrachloride	4.99	117	9765	4.904	ug/l #	17
51) 4-Methyl-2-Pentanone	7.57	43	1131	0.407	ug/l #	1
55) 1,1,2-Trichloroethane	8.18	97	415	0.269	ug/l #	13
76) 1,2,3-Trichloropropane	10.31	75	42390	20.753	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	42390	66.414	ug/l #	100

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.00 min

Lab File: VU027031.D

Acq: 22 Sep 2018 21:13

Instrument :

MSVOA_U

ClientSampleId :

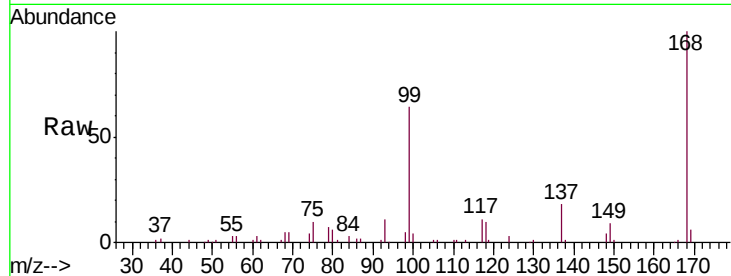
SA-PZ15711-20180913

Tgt Ion:168 Resp: 93615

Ion Ratio Lower Upper

168 100

99 64.4 48.1 72.1



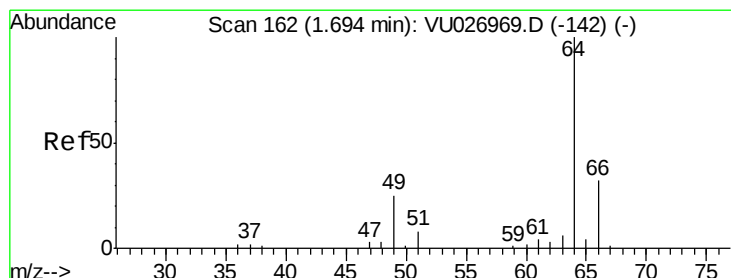
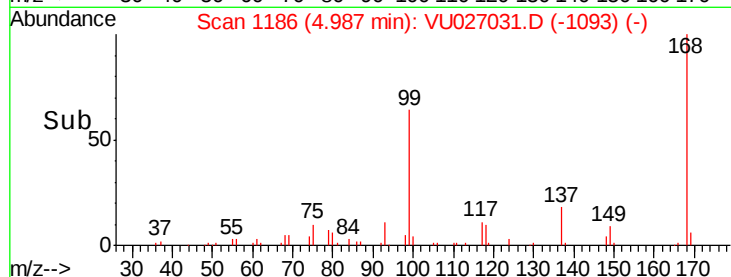
Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU026969.D (-1169) (-)

4.99

4.95 5.00 5.05 5.10

Time-->



#6

Chloroethane

Concen: 0.242 ug/l

RT: 1.71 min Scan# 166

Delta R.T. 0.01 min

Lab File: VU027031.D

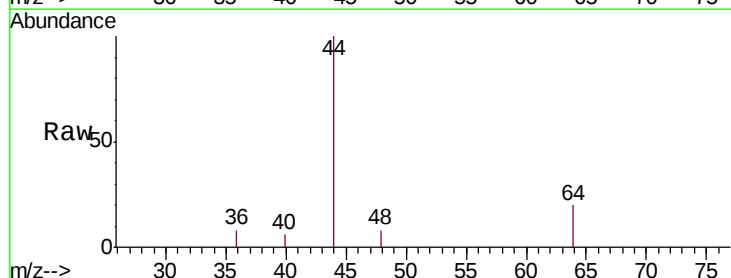
Acq: 22 Sep 2018 21:13

Tgt Ion: 64 Resp: 304

Ion Ratio Lower Upper

64 100

66 0.0 25.3 37.9#



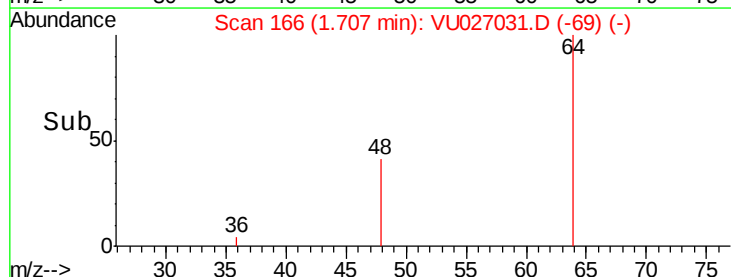
Abundance Ion 63.90 (63.60 to 64.60): VU026969.D (-142) (-)

Ion 65.90 (65.60 to 66.60): VU026969.D (-142) (-)

1.71

1.68 1.70 1.72 1.74

Time-->



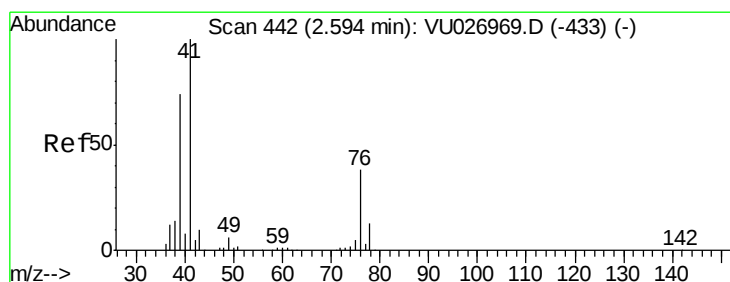
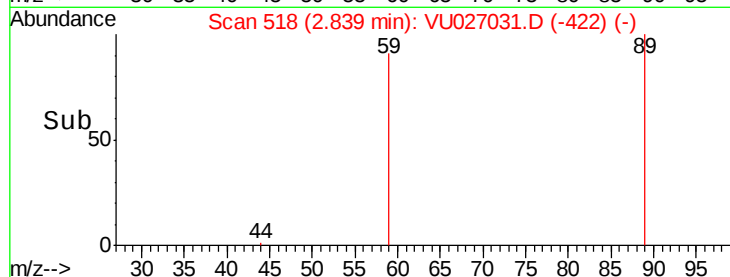
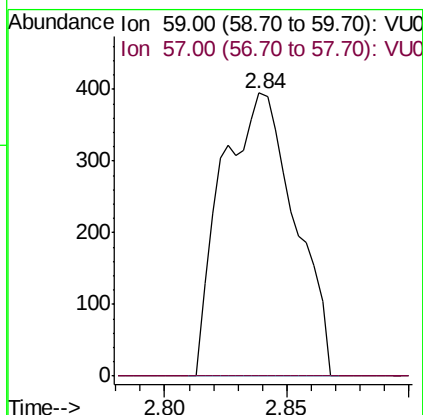
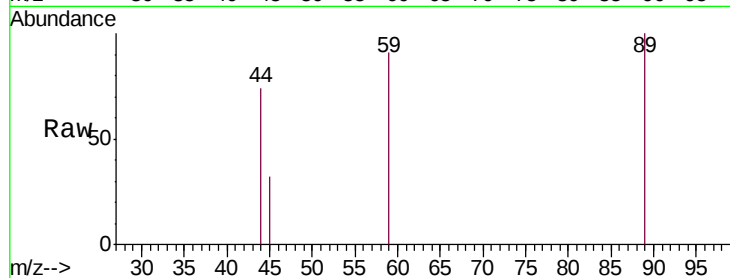


#11

Tert butyl alcohol
 Concen: 1.896 ug/l
 RT: 2.84 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VU027031.D
 Acq: 22 Sep 2018 21:13

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ15711-20180913

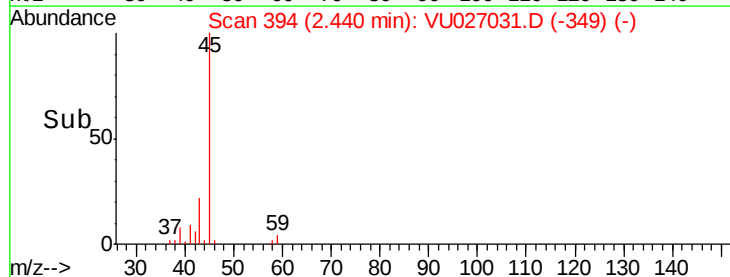
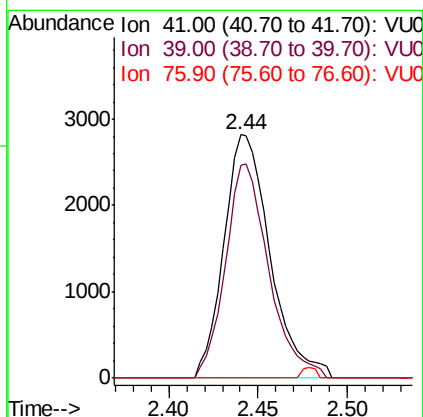
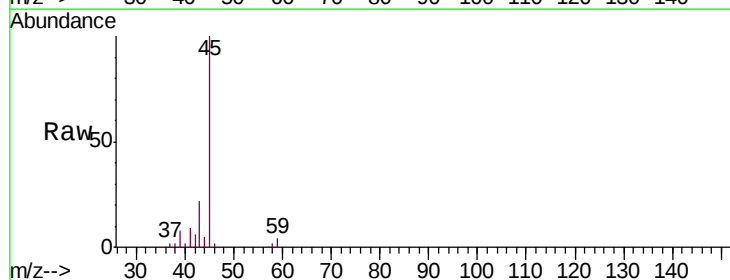
Tgt Ion: 59 Resp: 819
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#



#14

Allyl chloride
 Concen: 1.942 ug/l
 RT: 2.44 min Scan# 394
 Delta R.T. -0.15 min
 Lab File: VU027031.D
 Acq: 22 Sep 2018 21:13

Tgt Ion: 41 Resp: 5092
 Ion Ratio Lower Upper
 41 100
 39 82.5 55.7 83.5
 76 0.0 26.5 39.7#





#16

Acetone

Concen: Below Cal

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU027031.D

Acq: 22 Sep 2018 21:13

Instrument :

MSVOA_U

ClientSampleId :

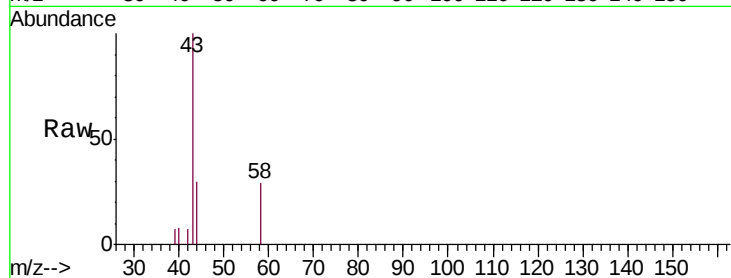
SA-PZ15711-20180913

Tgt Ion: 43 Resp: 2888

Ion Ratio Lower Upper

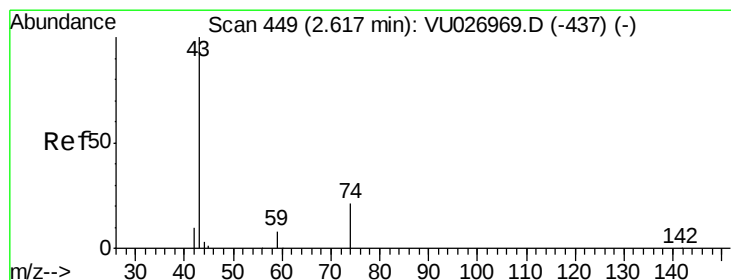
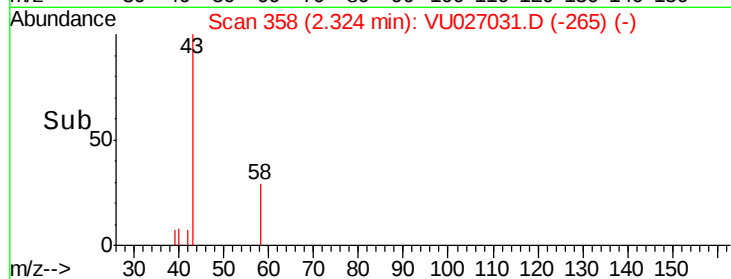
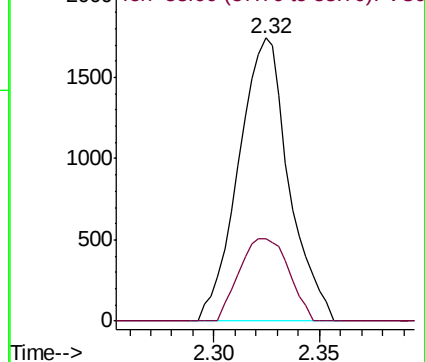
43 100

58 29.1 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#18

Methyl Acetate

Concen: 4.633 ug/l

RT: 2.44 min Scan# 395

Delta R.T. -0.17 min

Lab File: VU027031.D

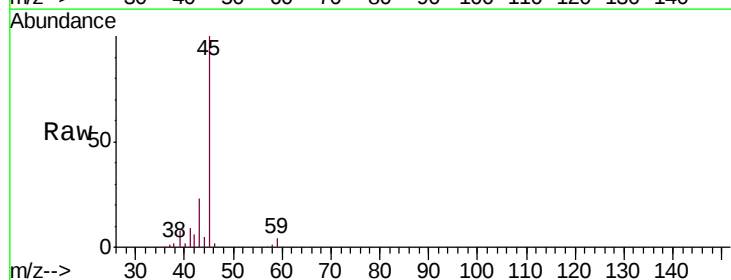
Acq: 22 Sep 2018 21:13

Tgt Ion: 43 Resp: 12424

Ion Ratio Lower Upper

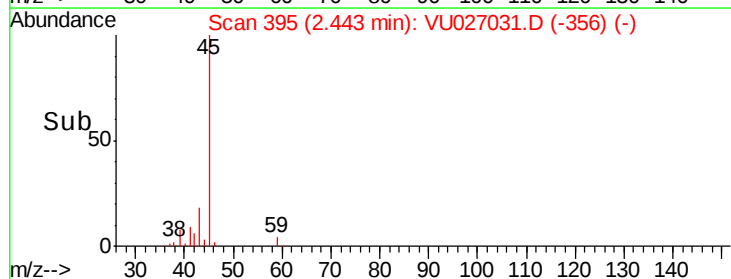
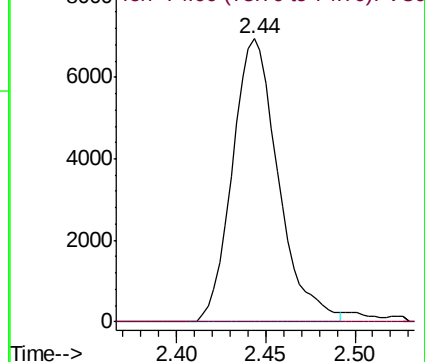
43 100

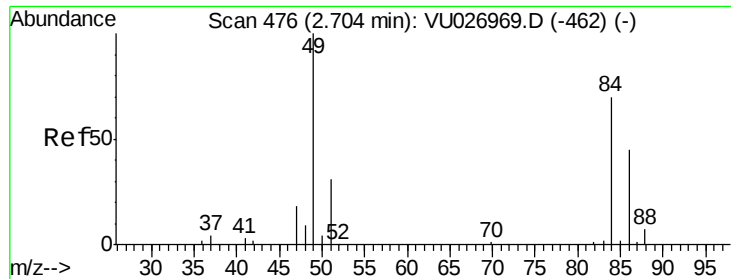
74 0.0 16.6 25.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

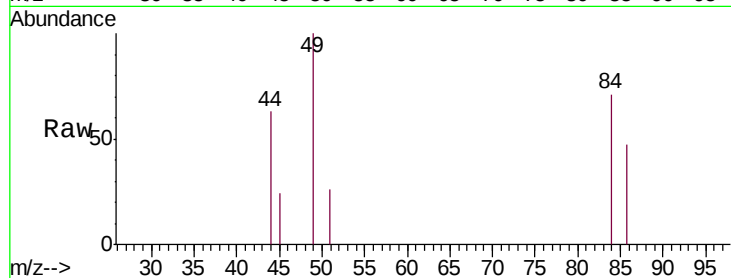




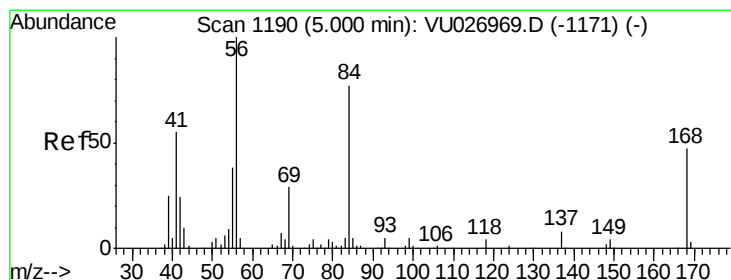
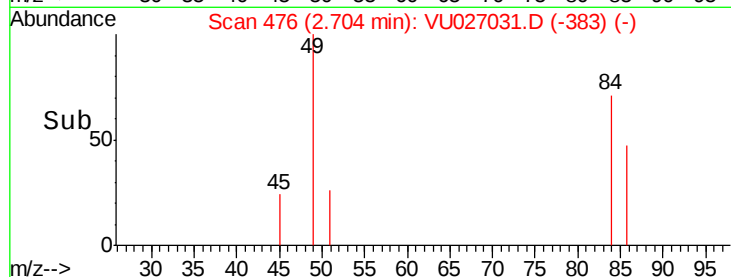
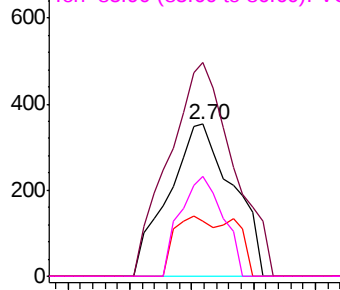
#20
Methylene Chloride
Concen: 0.302 ug/l
RT: 2.70 min Scan# 476
Delta R.T. -0.00 min
Lab File: VU027031.D
Acq: 22 Sep 2018 21:13

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ15711-20180913

Tgt Ion:	84	Resp:	510
Ion	Ratio	Lower	Upper
84	100		
49	140.5	114.9	172.3
51	36.3	35.8	53.8
86	66.0	51.3	76.9

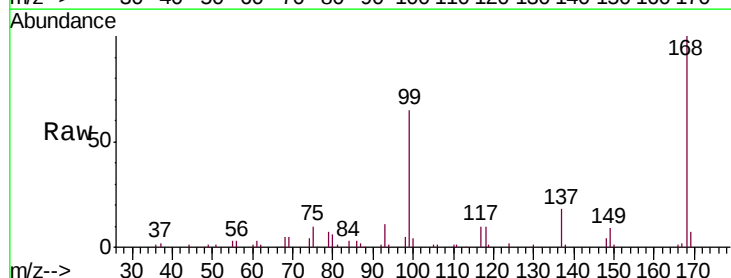


Abundance Ion 83.90 (83.60 to 84.60): VU0
Ion 48.90 (48.60 to 49.60): VU0
Ion 50.90 (50.60 to 51.60): VU0
Ion 85.90 (85.60 to 86.60): VU0

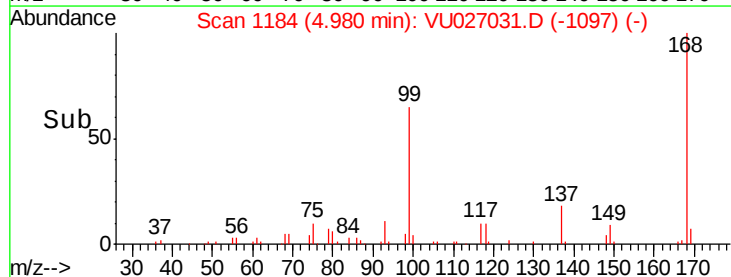
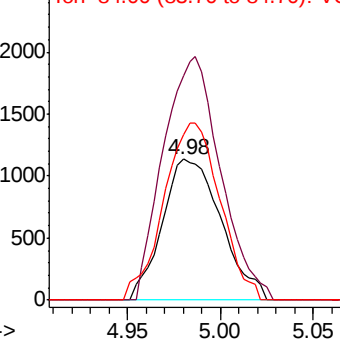


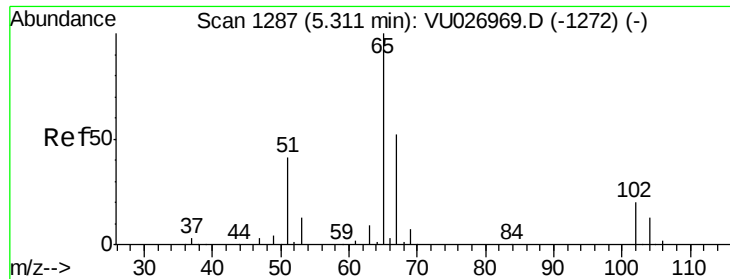
#31
Cyclohexane
Concen: 0.320 ug/l
RT: 4.98 min Scan# 1184
Delta R.T. -0.02 min
Lab File: VU027031.D
Acq: 22 Sep 2018 21:13

Tgt Ion:	56	Resp:	2504
Ion	Ratio	Lower	Upper
56	100		
69	158.7	23.0	34.4#
84	117.4	61.4	92.2#



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

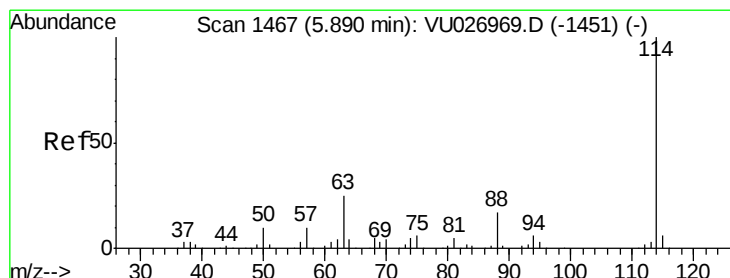
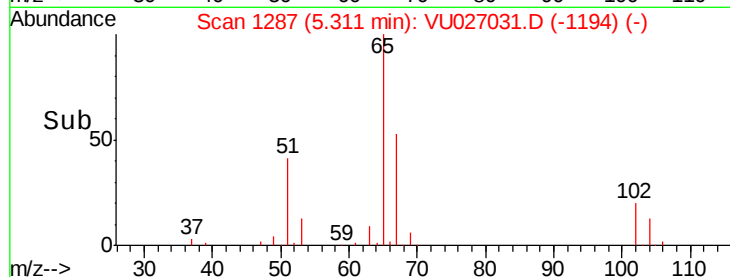
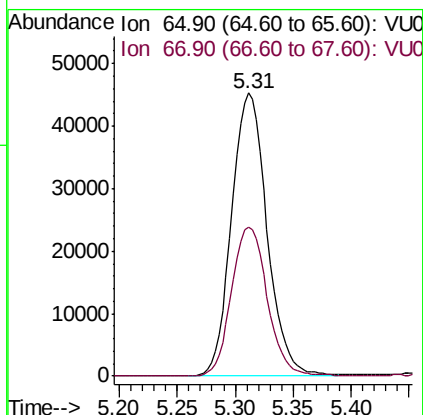
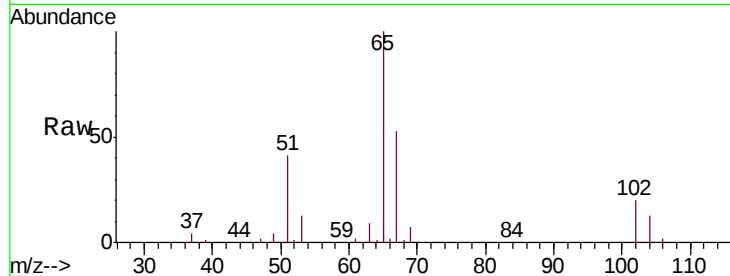




#33
 1,2-Dichloroethane-d4
 Concen: 51.182 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. -0.00 min
 Lab File: VU027031.D
 Acq: 22 Sep 2018 21:13

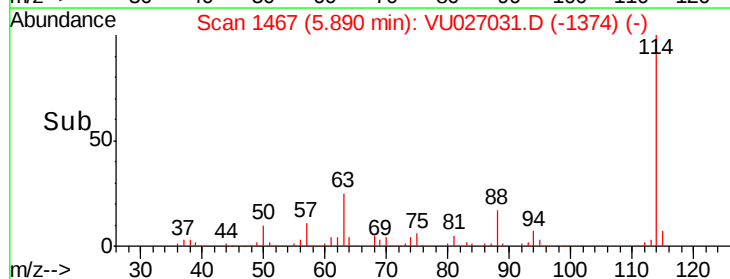
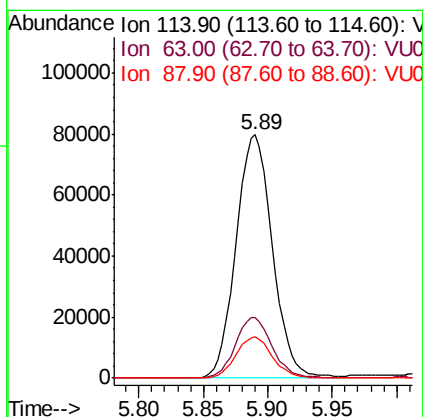
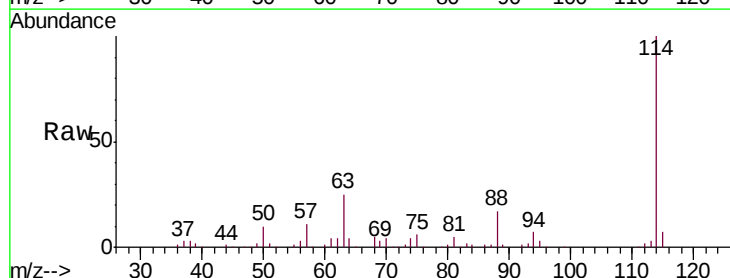
Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ15711-20180913

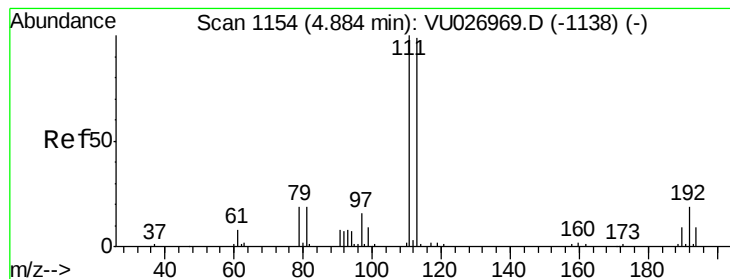
Tgt Ion: 65 Resp: 96434
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. -0.00 min
 Lab File: VU027031.D
 Acq: 22 Sep 2018 21:13

Tgt Ion: 114 Resp: 156775
 Ion Ratio Lower Upper
 114 100
 63 25.0 0.0 49.2
 88 16.9 0.0 33.8





#35

Dibromofluoromethane

Concen: 48.961 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VU027031.D

Acq: 22 Sep 2018 21:13

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ15711-20180913

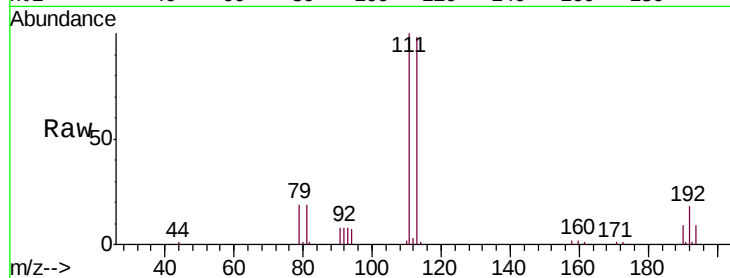
Tgt Ion:113 Resp: 66535

Ion Ratio Lower Upper

113 100

111 103.4 82.2 123.4

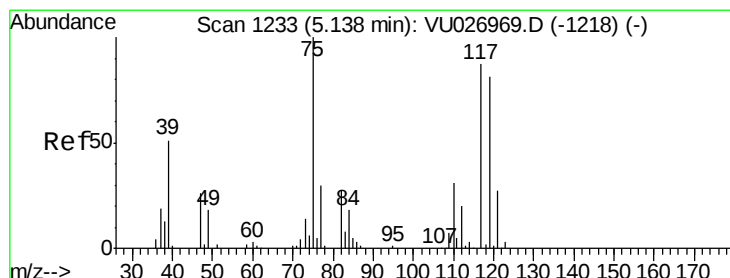
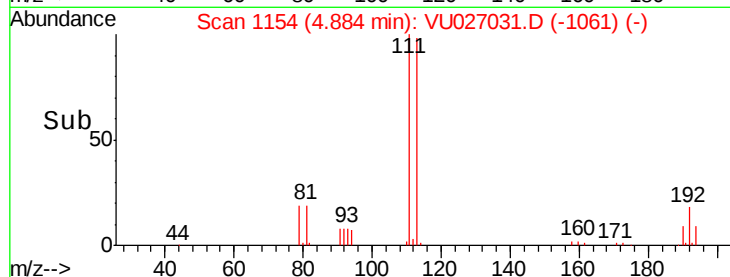
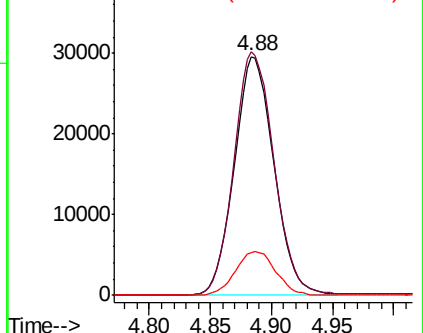
192 18.6 15.2 22.8



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: 4.333 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.15 min

Lab File: VU027031.D

Acq: 22 Sep 2018 21:13

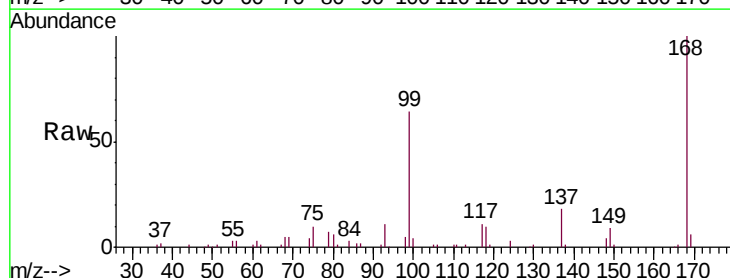
Tgt Ion: 75 Resp: 9067

Ion Ratio Lower Upper

75 100

110 5.1 16.1 48.2#

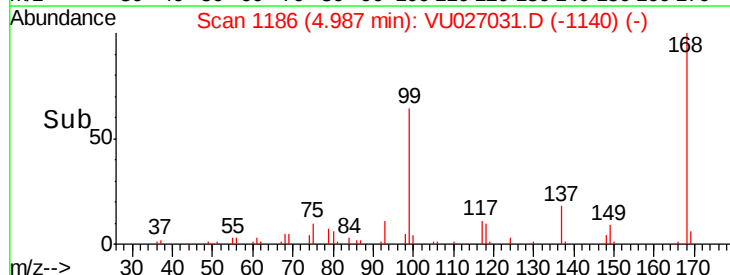
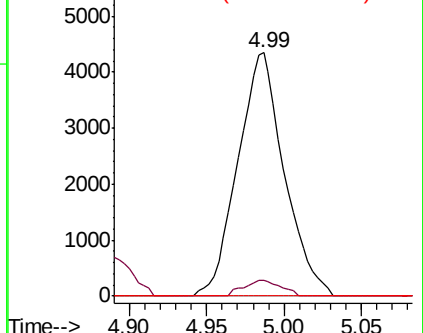
77 0.0 24.6 36.8#

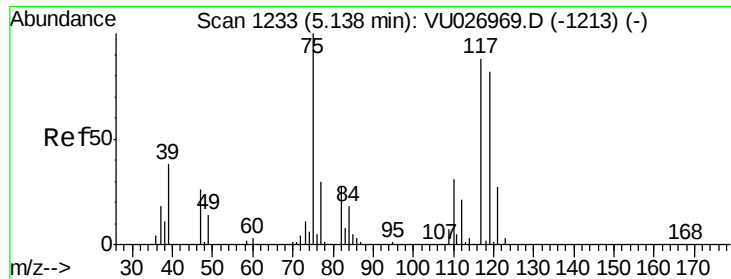


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

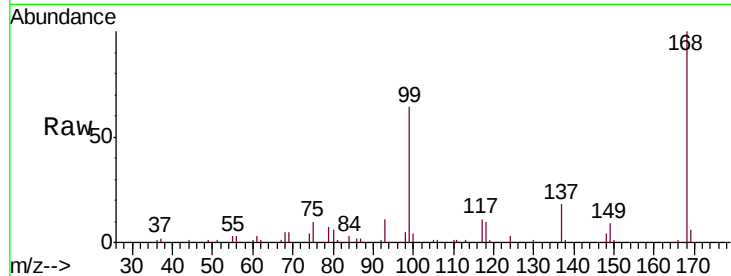




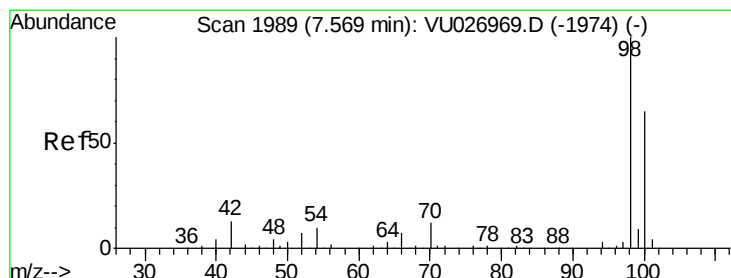
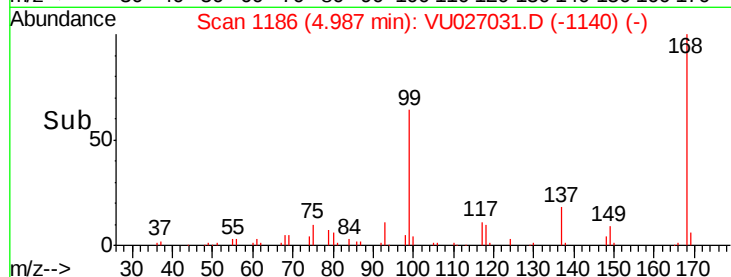
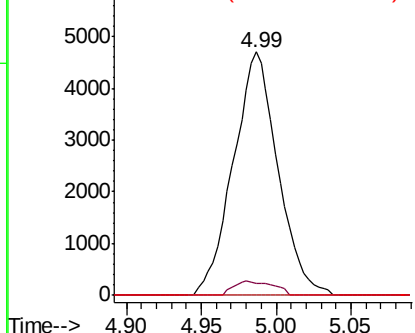
#38
Carbon Tetrachloride
Concen: 4.904 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.15 min
Lab File: VU027031.D
Acq: 22 Sep 2018 21:13

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ15711-20180913

Tgt Ion:117 Resp: 9765
Ion Ratio Lower Upper
117 100
119 5.0 74.4 111.6#
121 0.0 24.2 36.4#

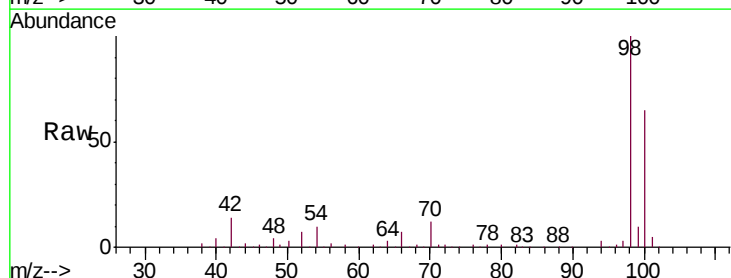


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

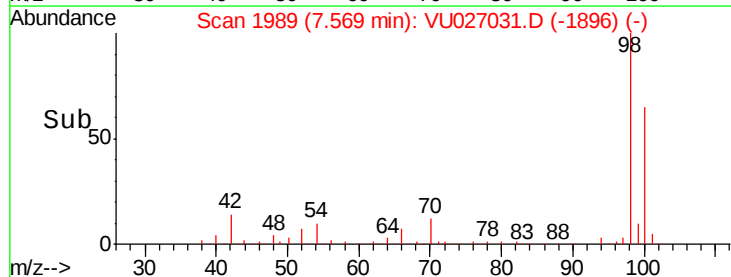
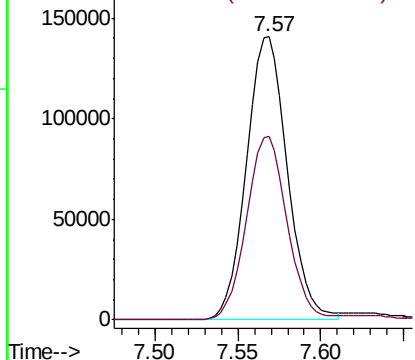


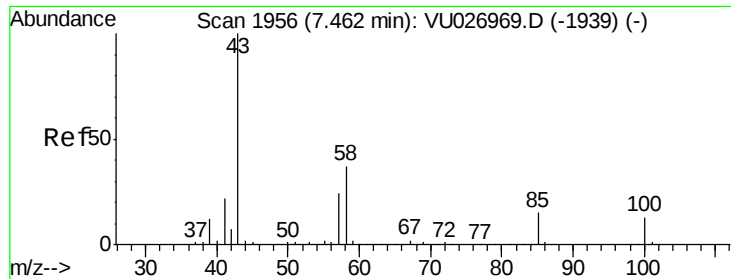
#50
Toluene-d8
Concen: 46.830 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU027031.D
Acq: 22 Sep 2018 21:13

Tgt Ion: 98 Resp: 242531
Ion Ratio Lower Upper
98 100
100 64.8 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU

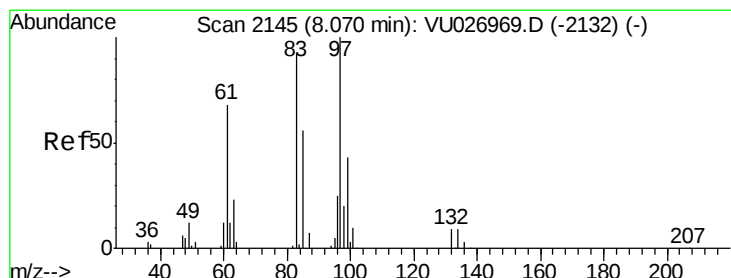
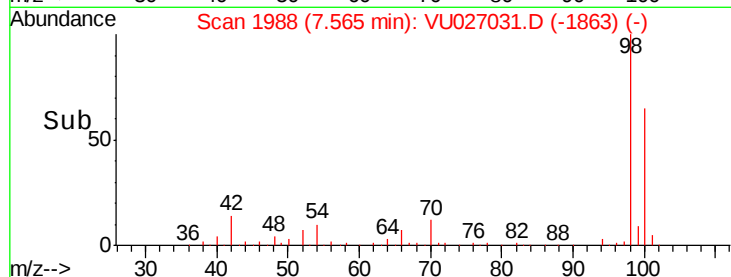
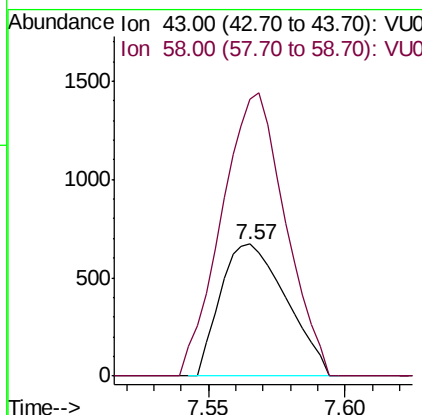
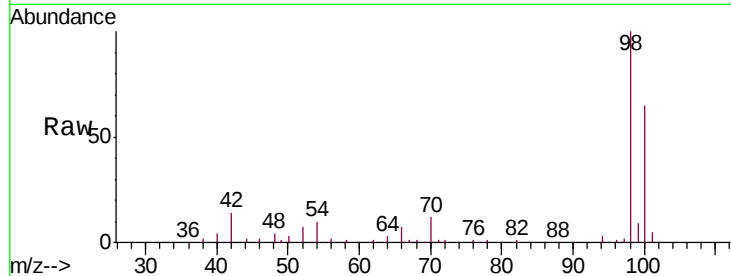




#51
 4-Methyl-2-Pentanone
 Concen: 0.407 ug/l
 RT: 7.57 min Scan# 1988
 Delta R.T. 0.10 min
 Lab File: VU027031.D
 Acq: 22 Sep 2018 21:13

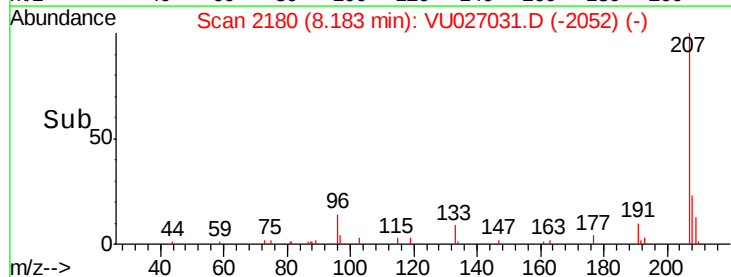
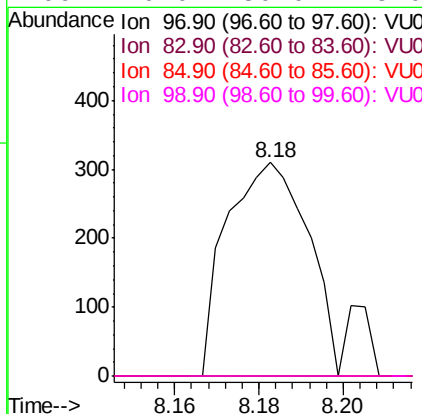
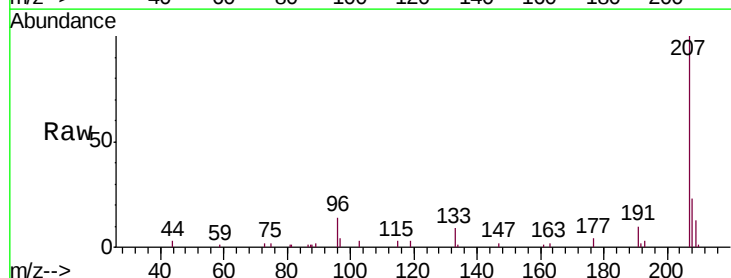
Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ15711-20180913

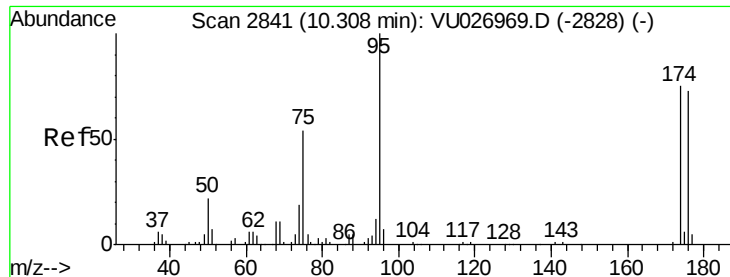
Tgt Ion: 43 Resp: 1131
 Ion Ratio Lower Upper
 43 100
 58 206.3 29.8 44.6#



#55
 1,1,2-Trichloroethane
 Concen: 0.269 ug/l
 RT: 8.18 min Scan# 2180
 Delta R.T. 0.11 min
 Lab File: VU027031.D
 Acq: 22 Sep 2018 21:13

Tgt Ion: 97 Resp: 415
 Ion Ratio Lower Upper
 97 100
 83 0.0 73.1 109.7#
 85 0.0 46.7 70.1#
 99 0.0 50.0 75.0#

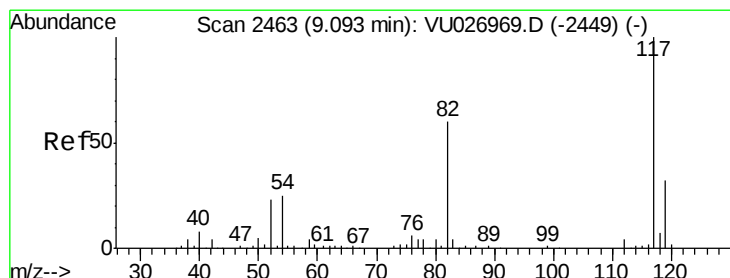
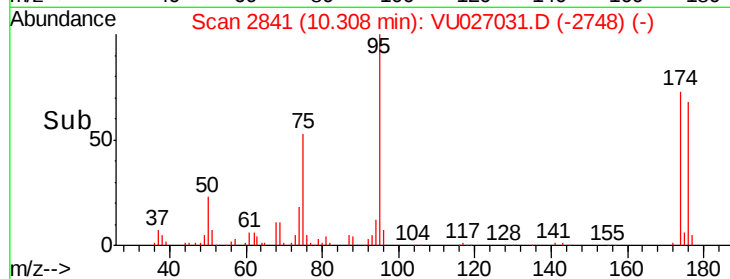
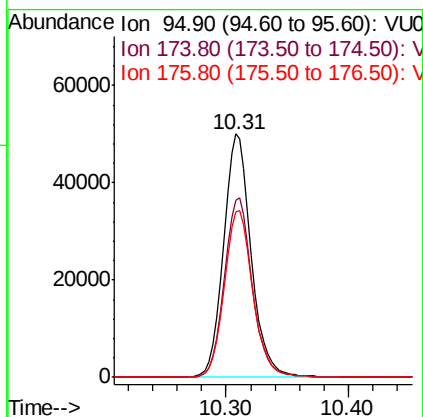
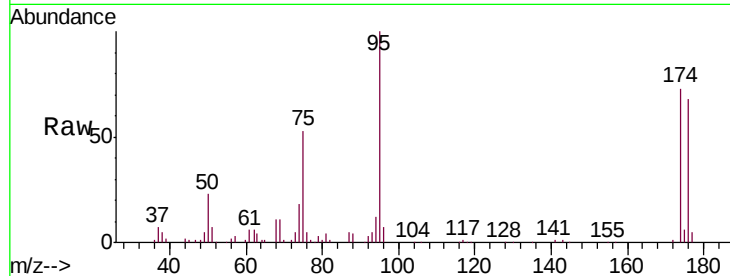




#62
 4-Bromofluorobenzene
 Concen: 44.717 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.00 min
 Lab File: VU027031.D
 Acq: 22 Sep 2018 21:13

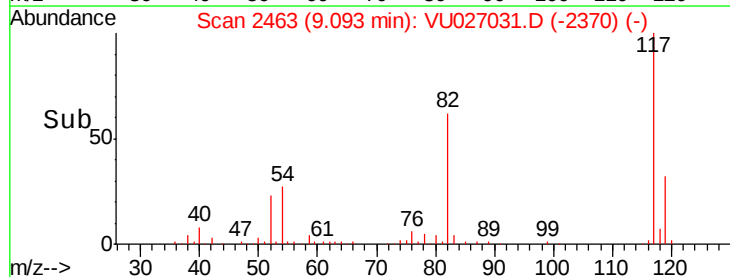
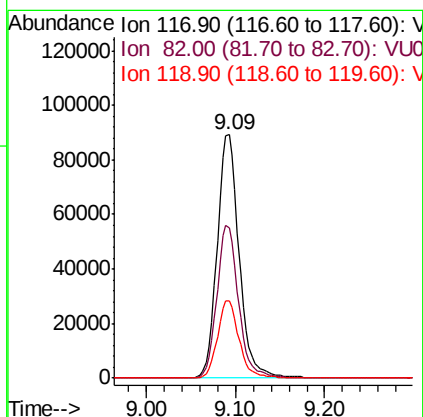
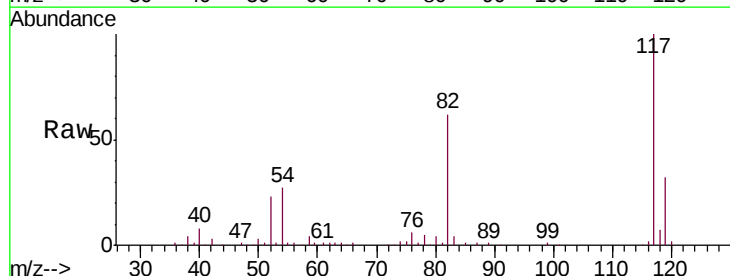
Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ15711-20180913

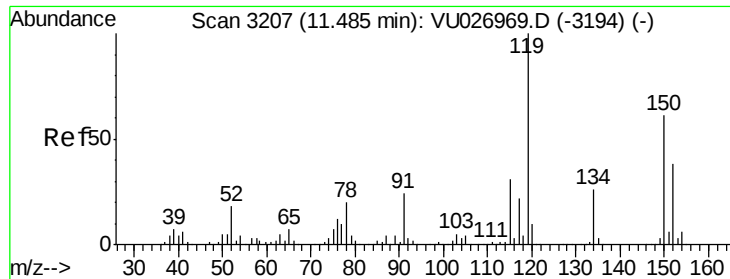
Tgt Ion: 95 Resp: 79465
 Ion Ratio Lower Upper
 95 100
 174 74.7 0.0 150.2
 176 70.9 0.0 145.2



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.09 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VU027031.D
 Acq: 22 Sep 2018 21:13

Tgt Ion: 117 Resp: 151899
 Ion Ratio Lower Upper
 117 100
 82 61.8 48.0 72.0
 119 31.6 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. -0.00 min

Lab File: VU027031.D

Acq: 22 Sep 2018 21:13

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ15711-20180913

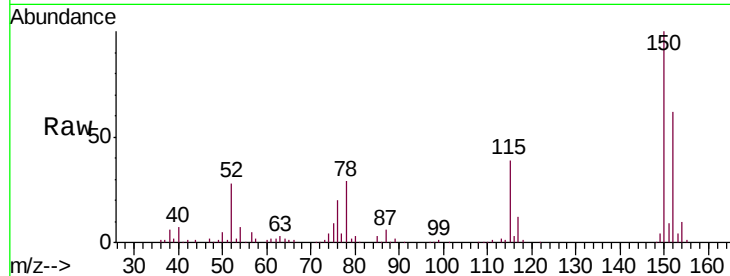
Tgt Ion: 152 Resp: 67235

Ion Ratio Lower Upper

152 100

115 62.3 44.9 134.5

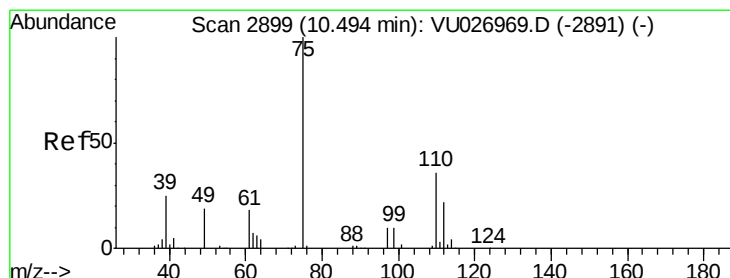
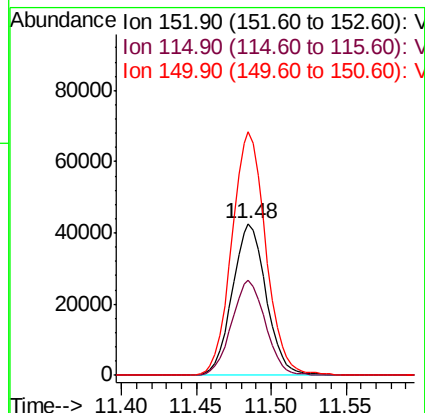
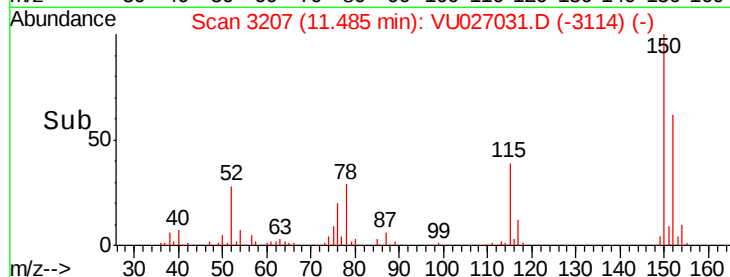
150 161.0 0.0 355.8



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: 20.753 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027031.D

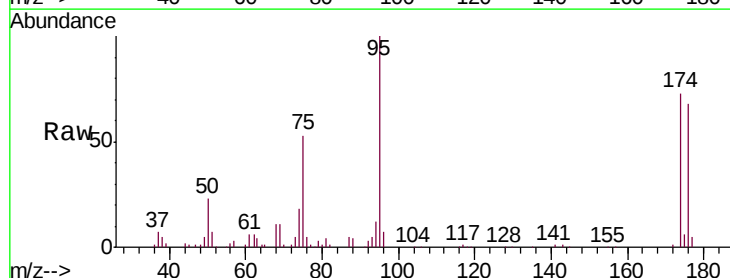
Acq: 22 Sep 2018 21:13

Tgt Ion: 75 Resp: 42390

Ion Ratio Lower Upper

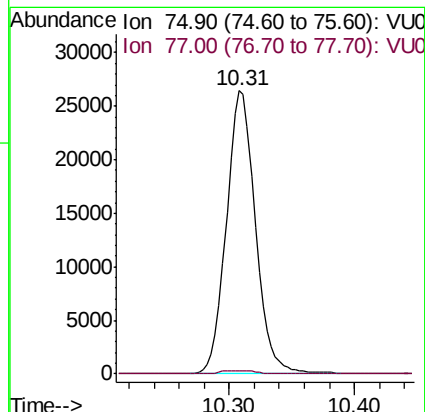
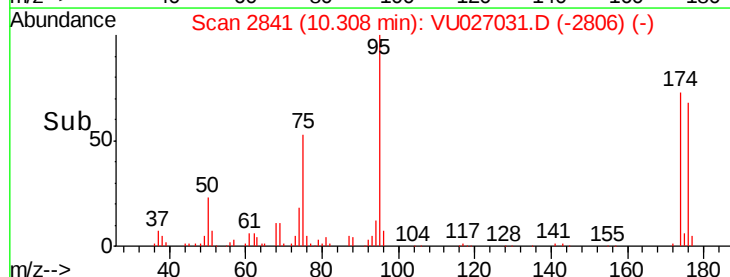
75 100

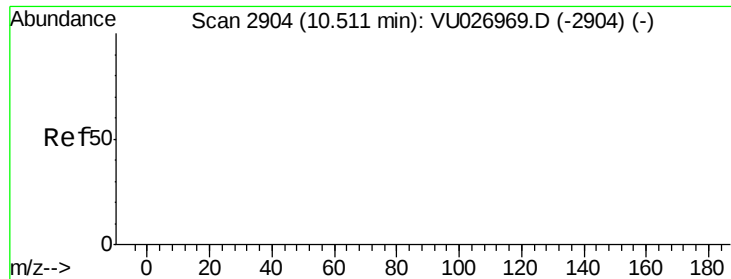
77 1.3 20.9 62.8#



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: 66.414 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.21 min

Lab File: VU027031.D

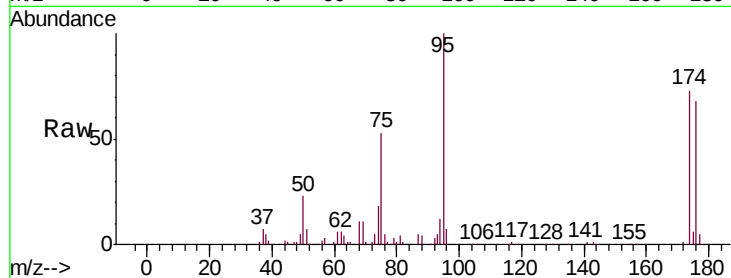
Acq: 22 Sep 2018 21:13

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ15711-20180913



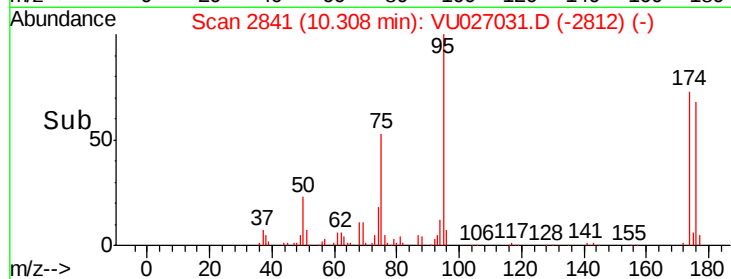
Tgt Ion: 75 Resp: 42390

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

