

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U100418\
 Data File : VU027415.D
 Acq On : 04 Oct 2018 18:04
 Operator : MD/SY
 Sample : J5225-09
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TRIP-BLANK-01

Quant Time: Oct 05 03:17:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 02:04:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	120823	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	206767	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	196544	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	107427	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	109442	54.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.50%	
35) Dibromofluoromethane	4.89	113	80410	56.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.50%	
50) Toluene-d8	7.57	98	315744	59.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.06%	
62) 4-Bromofluorobenzene	10.31	95	112738	57.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.40%	

Target Compounds

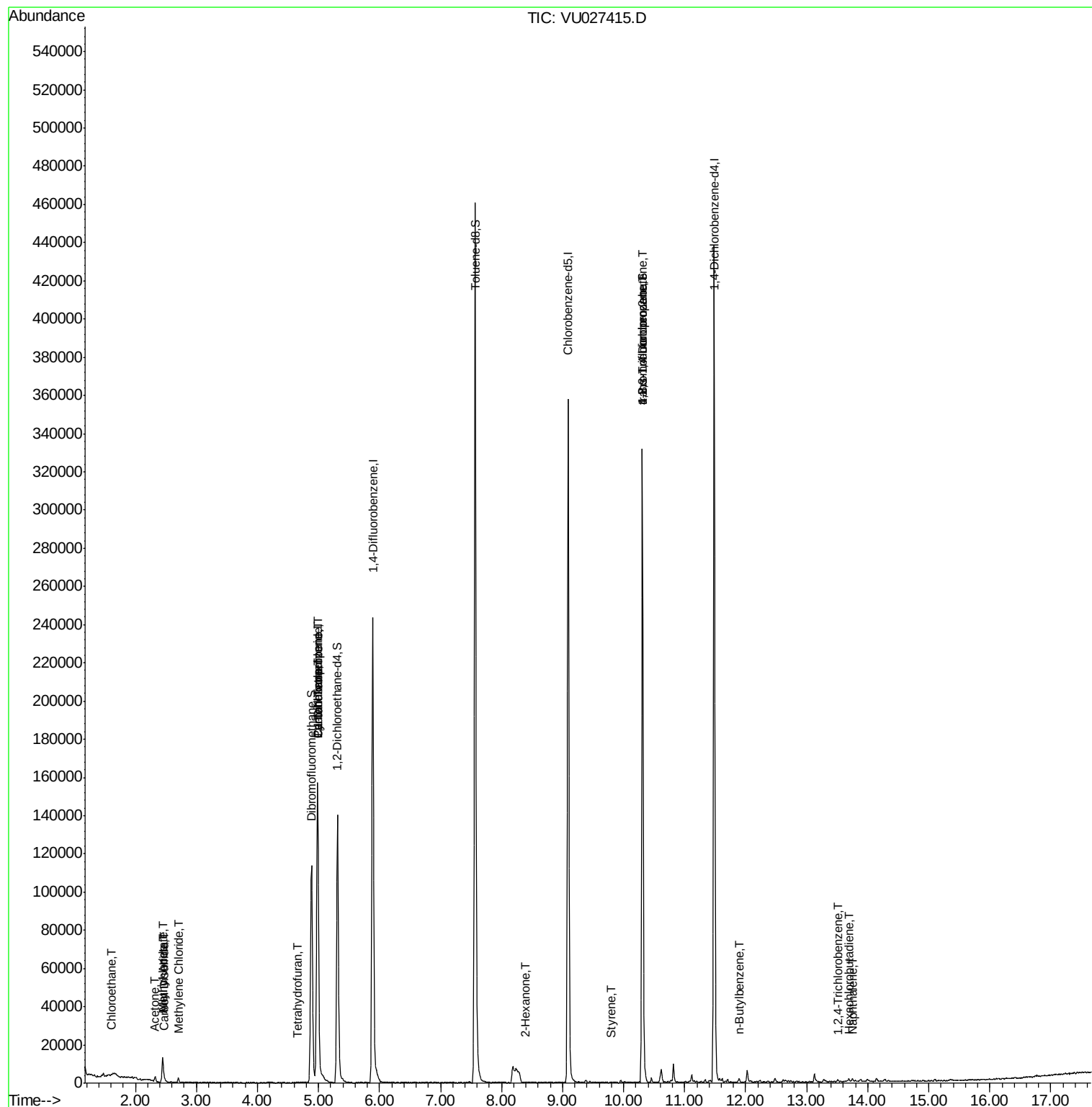
						Qvalue
6) Chloroethane	1.60	64	903	0.678	ug/l #	44
14) Allyl chloride	2.45	41	1378	0.455	ug/l #	79
16) Acetone	2.32	43	3033	2.545	ug/l	93
17) Carbon Disulfide	2.48	76	1506	0.327	ug/l #	75
18) Methyl Acetate	2.45	43	3533	1.299	ug/l #	56
20) Methylene Chloride	2.71	84	997	0.601	ug/l #	85
29) Tetrahydrofuran	4.67	42	450	0.439	ug/l #	39
31) Cyclohexane	4.99	56	2981	0.687	ug/l #	1
36) 1,1-Dichloropropene	4.99	75	10112	4.504	ug/l #	49
38) Carbon Tetrachloride	4.99	117	11982	5.908	ug/l #	17
59) 2-Hexanone	8.39	43	581	0.256	ug/l #	52
70) Styrene	9.80	104	160	2.331	ug/l #	24
76) 1,2,3-Trichloropropane	10.31	75	58049	20.845	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	58049	54.554	ug/l #	100
89) n-Butylbenzene	11.89	91	1006	2.087	ug/l	89
93) 1,2,4-Trichlorobenzene	13.51	180	503	0.233	ug/l #	69
94) Hexachlorobutadiene	13.69	225	403	0.369	ug/l	81
95) Naphthalene	13.75	128	2351	1.940	ug/l #	74

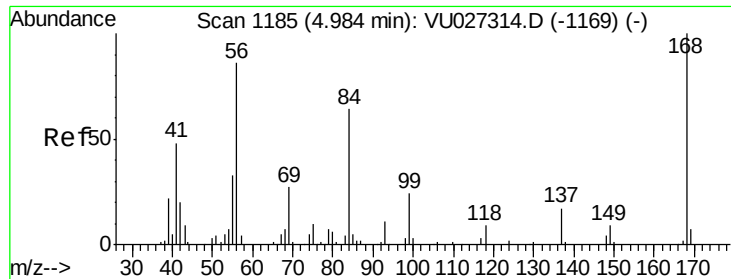
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU027415.D

Acq: 04 Oct 2018 18:04

Instrument :

MSVOA_U

ClientSampleId :

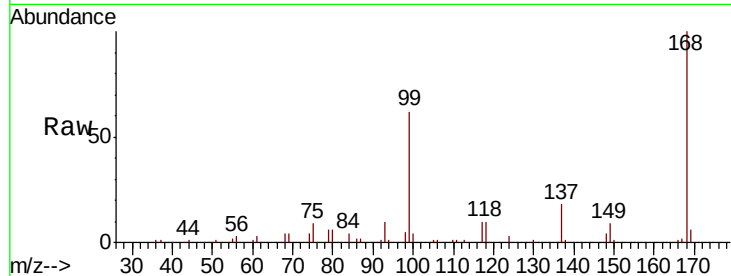
TRIP-BLANK-01

Tgt Ion:168 Resp: 120823

Ion Ratio Lower Upper

168 100

99 62.2 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): VU027314.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU027314.D (-1169) (-)

4.99

50000

40000

30000

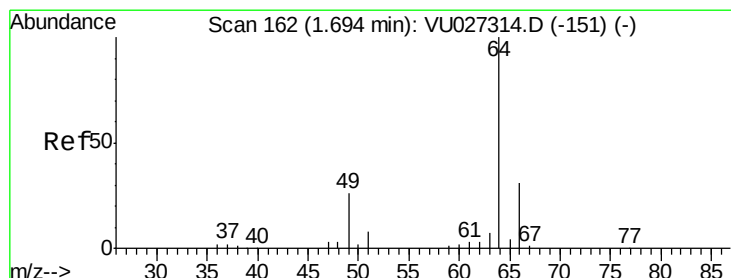
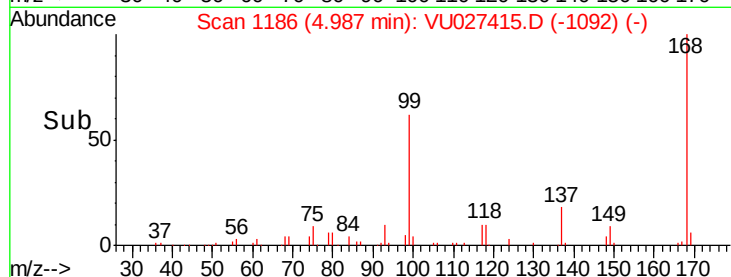
20000

10000

0

4.90 5.00 5.10

Time-->



#6

Chloroethane

Concen: 0.678 ug/l

RT: 1.60 min Scan# 133

Delta R.T. -0.09 min

Lab File: VU027415.D

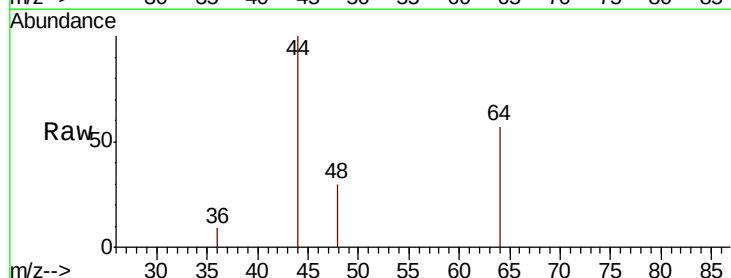
Acq: 04 Oct 2018 18:04

Tgt Ion: 64 Resp: 903

Ion Ratio Lower Upper

64 100

66 0.0 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VU027314.D (-151) (-)

Ion 65.90 (65.60 to 66.60): VU027314.D (-151) (-)

1.60

1500

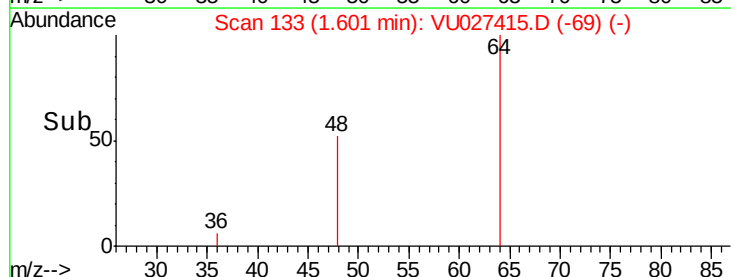
1000

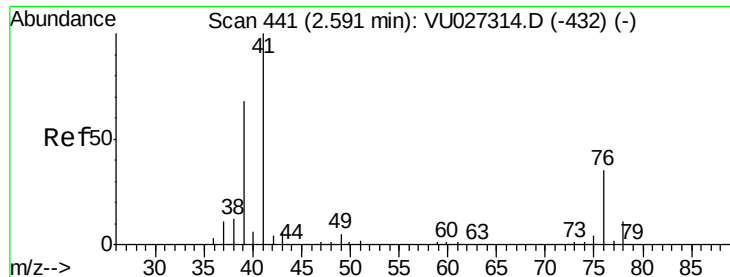
500

0

1.56 1.58 1.60 1.62

Time-->

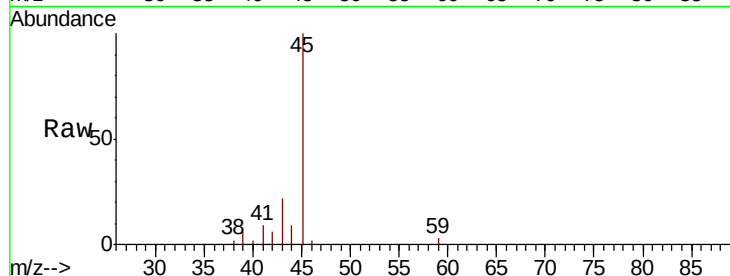




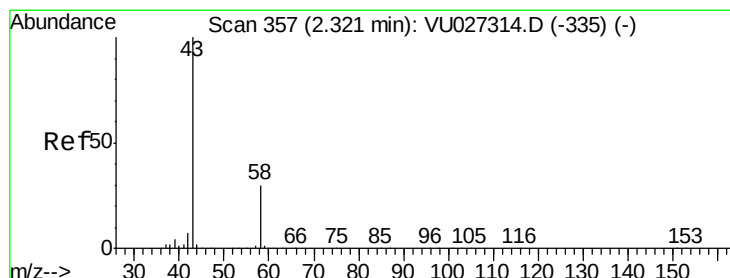
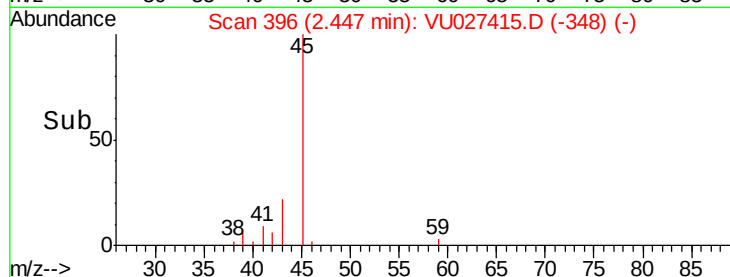
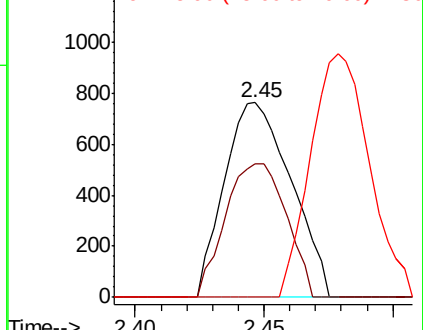
#14
 Allyl chloride
 Concen: 0.455 ug/l
 RT: 2.45 min Scan# 396
 Delta R.T. -0.14 min
 Lab File: VU027415.D
 Acq: 04 Oct 2018 18:04

Instrument :
 MSVOA_U
 ClientSampleId :
 TRIP-BLANK-01

Tgt Ion: 41 Resp: 1378
 Ion Ratio Lower Upper
 41 100
 39 62.7 51.8 77.8
 76 0.0 25.9 38.9#

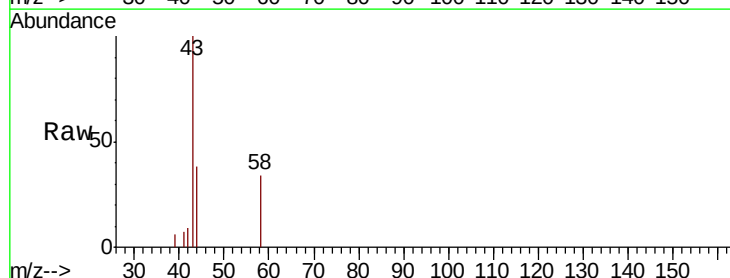


Abundance Ion 41.00 (40.70 to 41.70): VU0
 Ion 39.00 (38.70 to 39.70): VU0
 Ion 75.90 (75.60 to 76.60): VU0

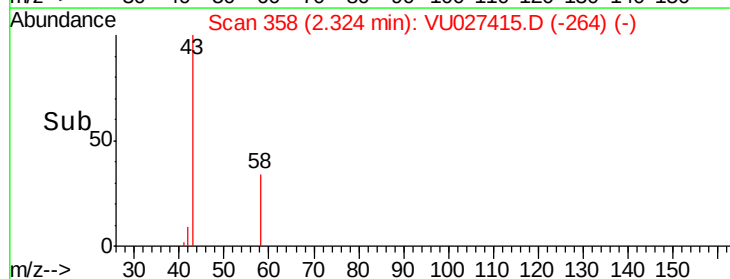
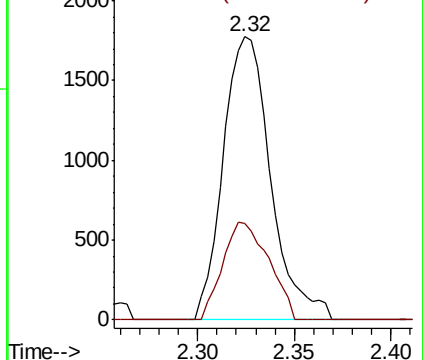


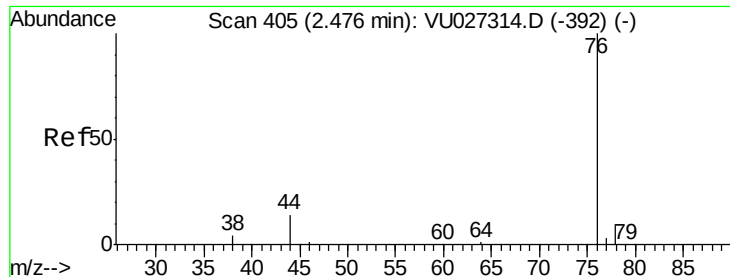
#16
 Acetone
 Concen: 2.545 ug/l
 RT: 2.32 min Scan# 358
 Delta R.T. 0.00 min
 Lab File: VU027415.D
 Acq: 04 Oct 2018 18:04

Tgt Ion: 43 Resp: 3033
 Ion Ratio Lower Upper
 43 100
 58 34.3 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 58.00 (57.70 to 58.70): VU0





#17

Carbon Disulfide

Concen: 0.327 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU027415.D

Acq: 04 Oct 2018 18:04

Instrument :

MSVOA_U

ClientSampleId :

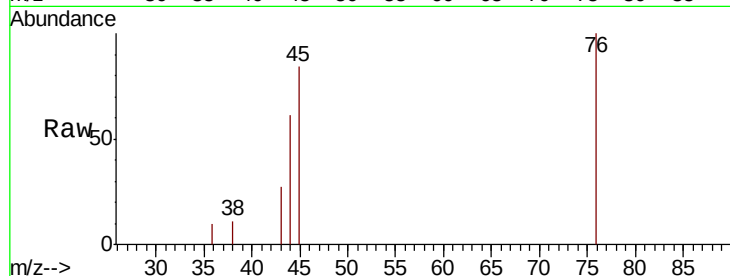
TRIP-BLANK-01

Tgt Ion: 76 Resp: 1506

Ion Ratio Lower Upper

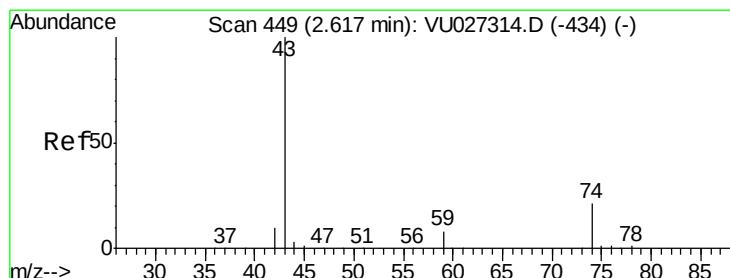
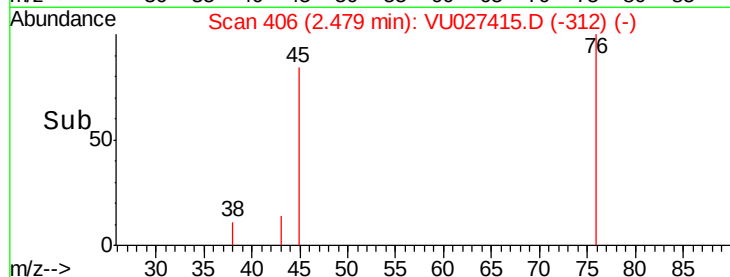
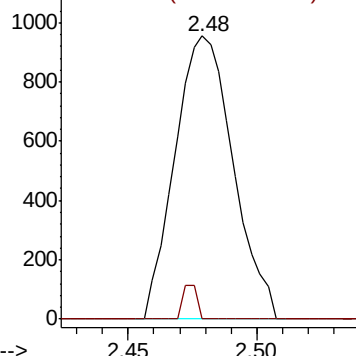
76 100

78 0.0 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 1.299 ug/l

RT: 2.45 min Scan# 396

Delta R.T. -0.17 min

Lab File: VU027415.D

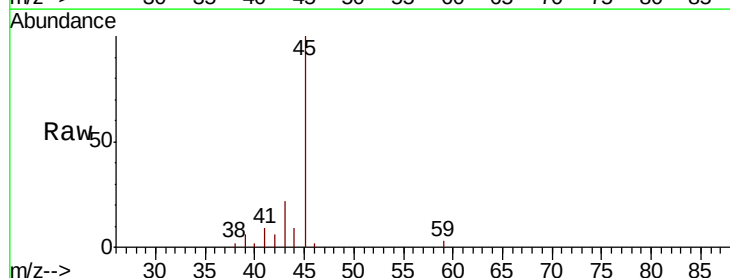
Acq: 04 Oct 2018 18:04

Tgt Ion: 43 Resp: 3533

Ion Ratio Lower Upper

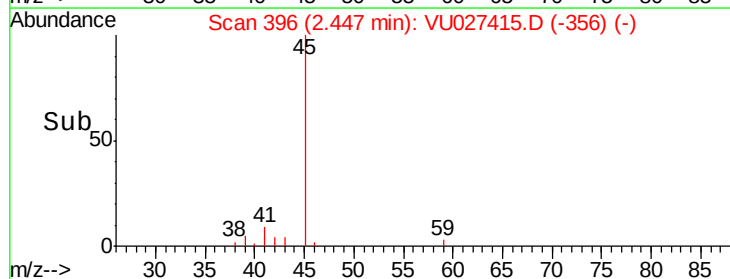
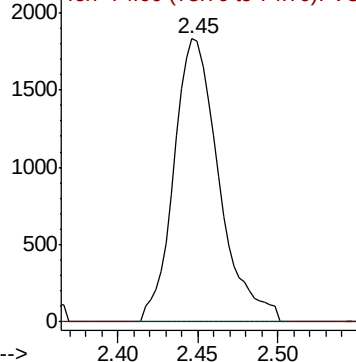
43 100

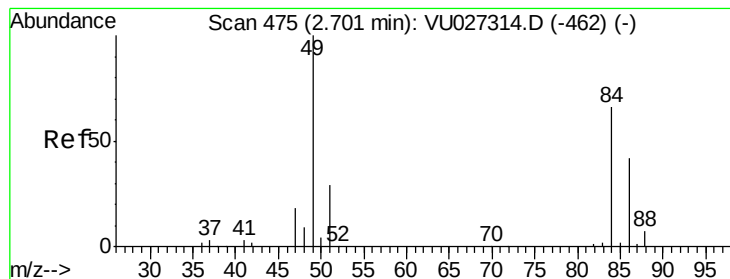
74 0.0 16.5 24.7#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0





#20

Methylene Chloride

Concen: 0.601 ug/l

RT: 2.71 min Scan# 477

Delta R.T. 0.01 min

Lab File: VU027415.D

Acq: 04 Oct 2018 18:04

Instrument :

MSVOA_U

ClientSampleId :

TRIP-BLANK-01

Tgt Ion: 84 Resp: 997

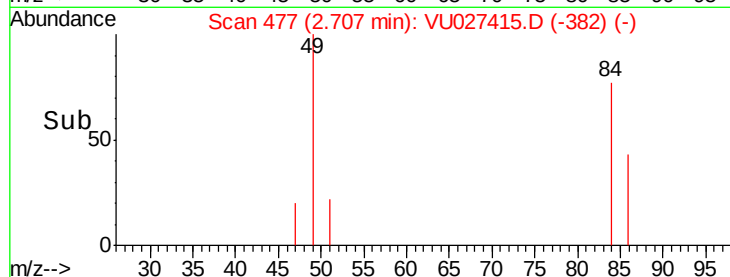
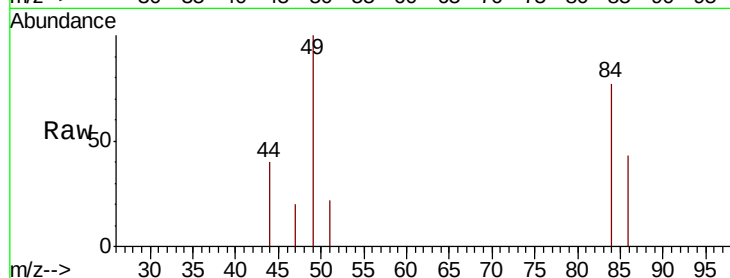
Ion Ratio Lower Upper

84 100

49 130.6 120.5 180.7

51 28.3 35.1 52.7#

86 56.4 50.5 75.7

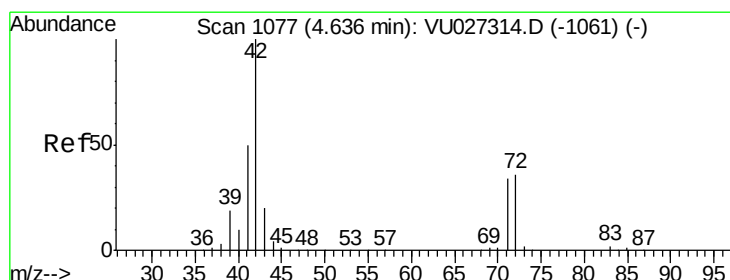
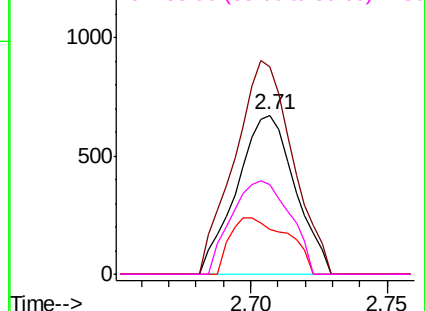


Abundance Ion 83.90 (83.60 to 84.60): VU0

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



#29

Tetrahydrofuran

Concen: 0.439 ug/l

RT: 4.67 min Scan# 1087

Delta R.T. 0.03 min

Lab File: VU027415.D

Acq: 04 Oct 2018 18:04

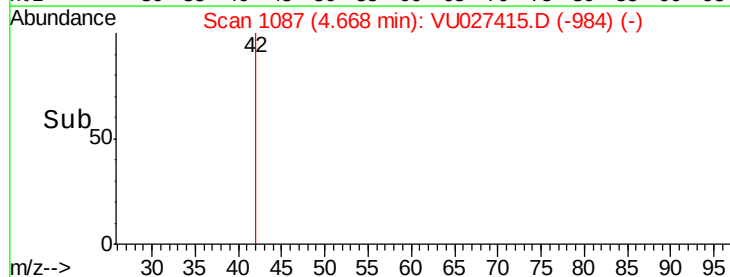
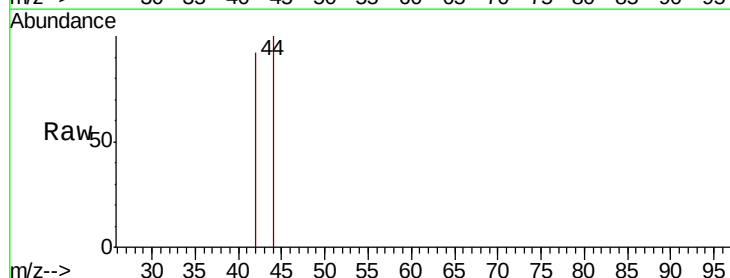
Tgt Ion: 42 Resp: 450

Ion Ratio Lower Upper

42 100

72 0.0 30.1 45.1#

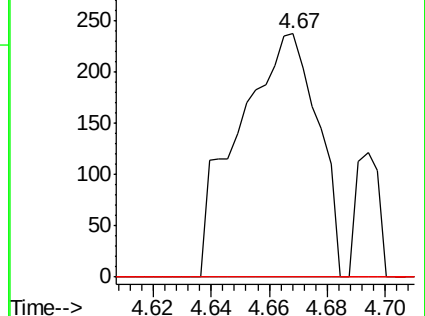
71 0.0 27.7 41.5#

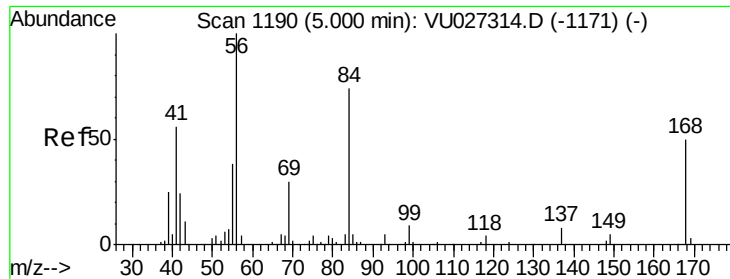


Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0

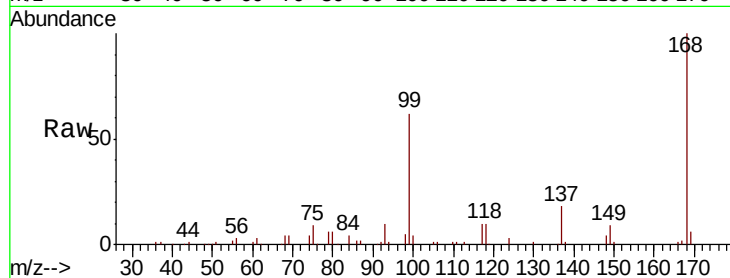




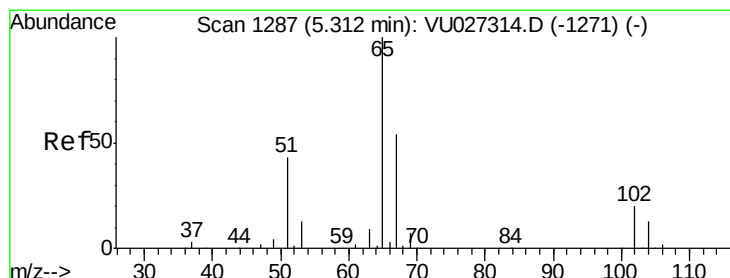
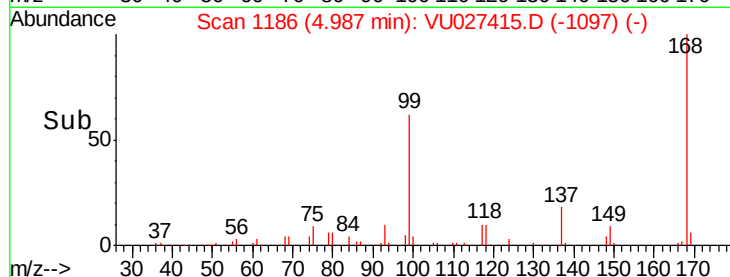
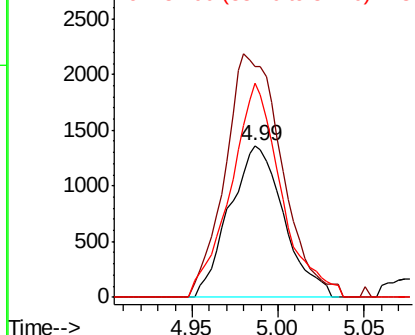
#31
Cyclohexane
Concen: 0.687 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.01 min
Lab File: VU027415.D
Acq: 04 Oct 2018 18:04

Instrument :
MSVOA_U
ClientSampleId :
TRIP-BLANK-01

Tgt Ion: 56 Resp: 2981
Ion Ratio Lower Upper
56 100
69 151.5 24.1 36.1#
84 140.8 59.1 88.7#

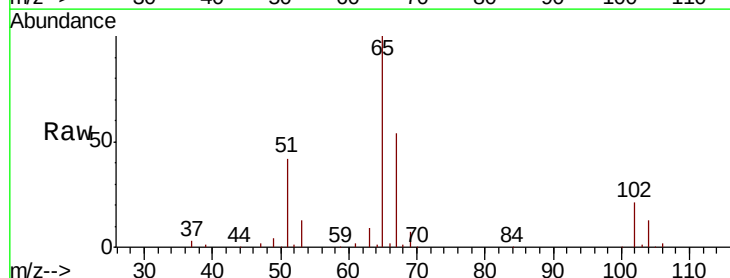


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

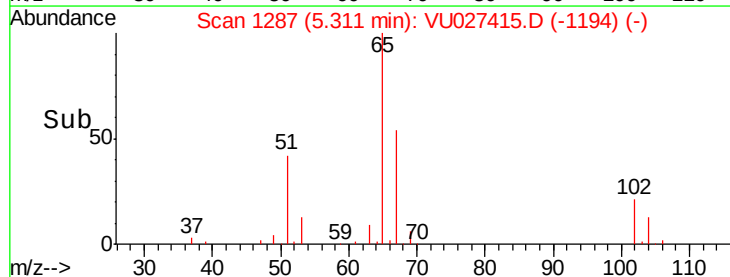
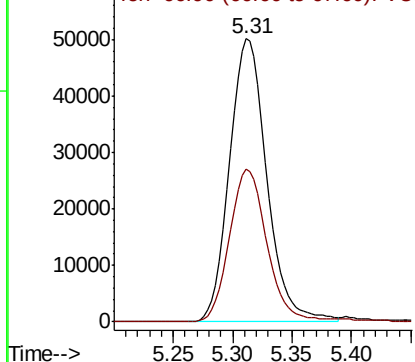


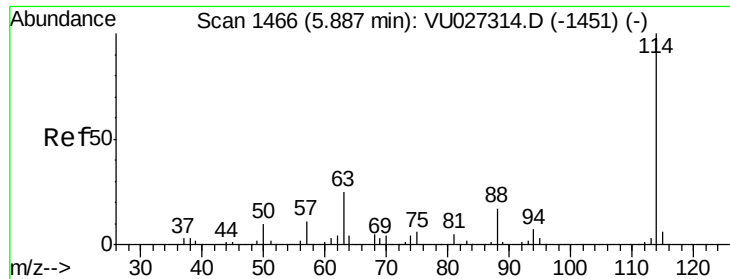
#33
1,2-Dichloroethane-d4
Concen: 54.245 ug/l
RT: 5.31 min Scan# 1287
Delta R.T. 0.00 min
Lab File: VU027415.D
Acq: 04 Oct 2018 18:04

Tgt Ion: 65 Resp: 109442
Ion Ratio Lower Upper
65 100
67 54.8 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VU0
Ion 66.90 (66.60 to 67.60): VU0

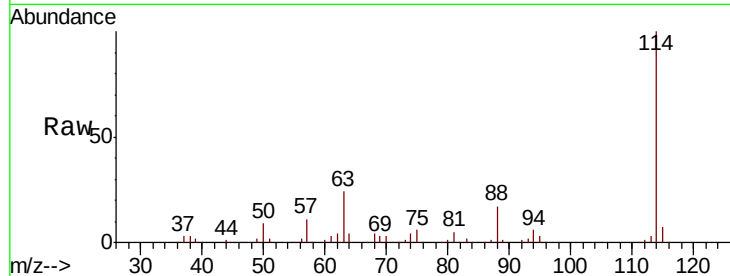




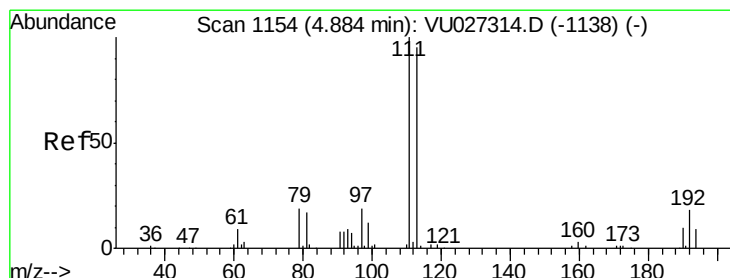
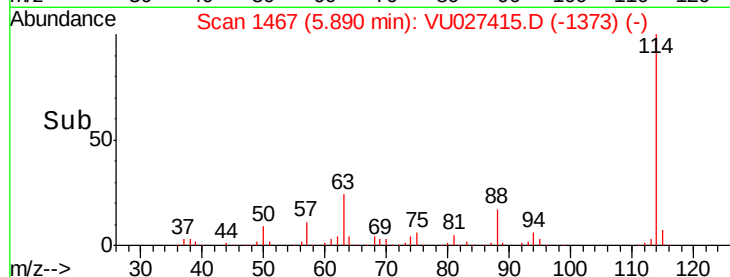
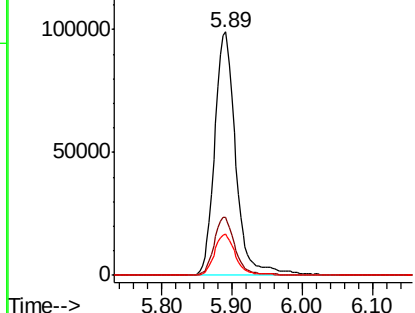
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027415.D
 Acq: 04 Oct 2018 18:04

Instrument :
 MSVOA_U
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 TRIP-BLANK-01

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.8	0.0	50.2
88	16.7	0.0	33.8

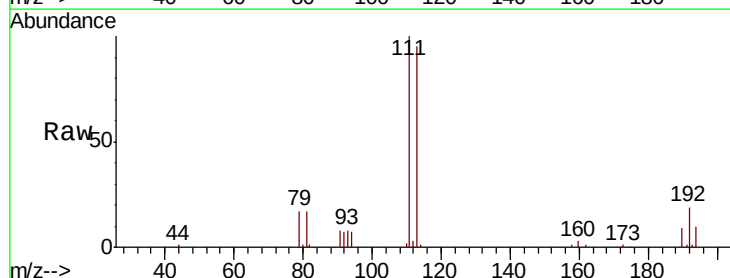


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

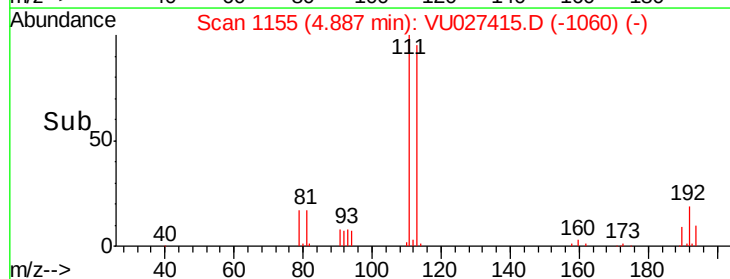
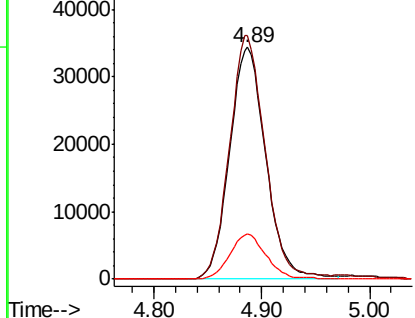


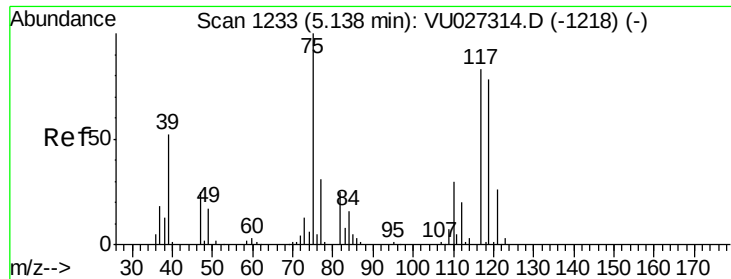
#35
 Dibromofluoromethane
 Concen: 56.745 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU027415.D
 Acq: 04 Oct 2018 18:04

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.3	83.1	124.7
192	19.4	15.4	23.0



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

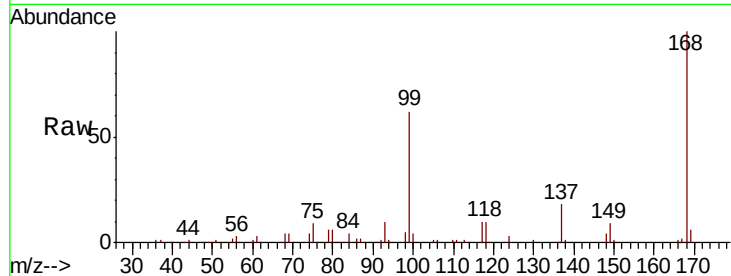




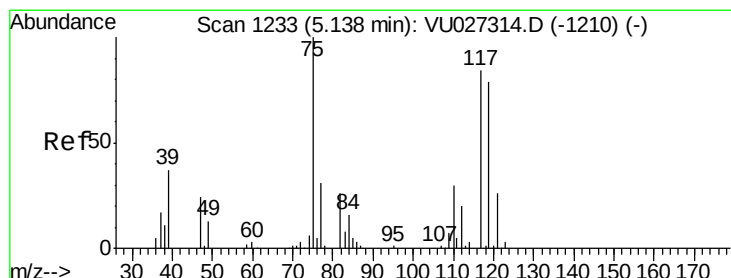
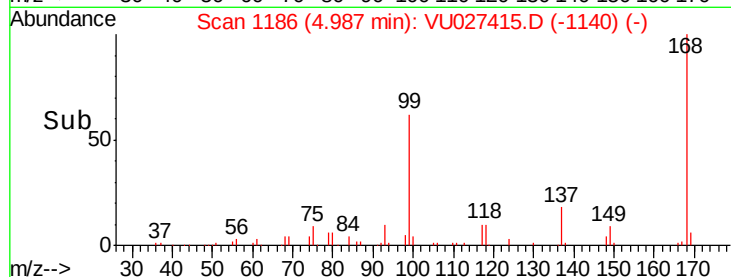
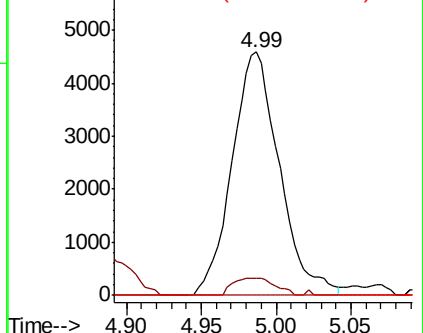
#36
 1,1-Dichloropropene
 Concen: 4.504 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027415.D
 Acq: 04 Oct 2018 18:04

Instrument :
 MSVOA_U
 ClientSampleId :
 TRIP-BLANK-01

Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.3	15.5	46.5#
77	0.0	25.4	38.0#

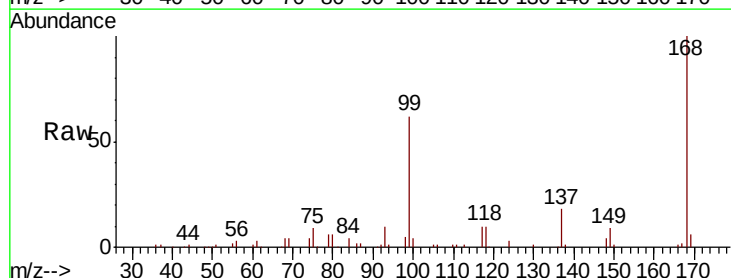


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

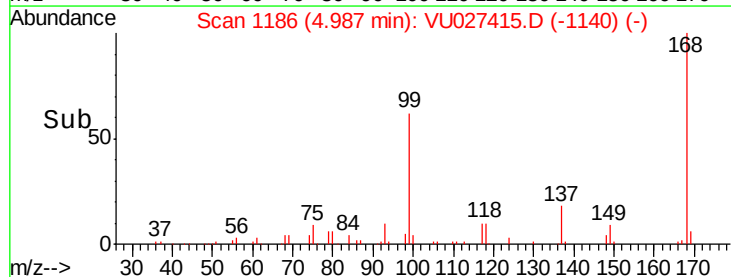
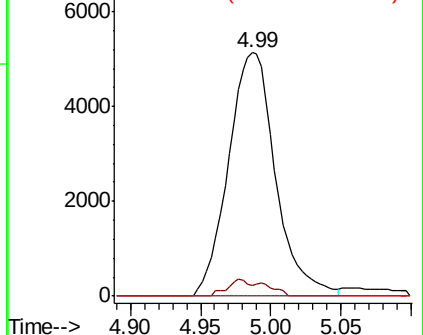


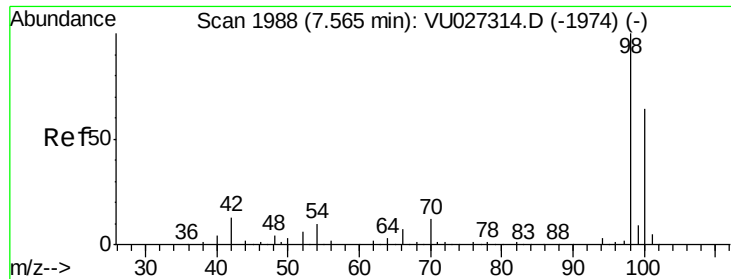
#38
 Carbon Tetrachloride
 Concen: 5.908 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027415.D
 Acq: 04 Oct 2018 18:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.3	74.5	111.7#
121	0.0	24.6	37.0#



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

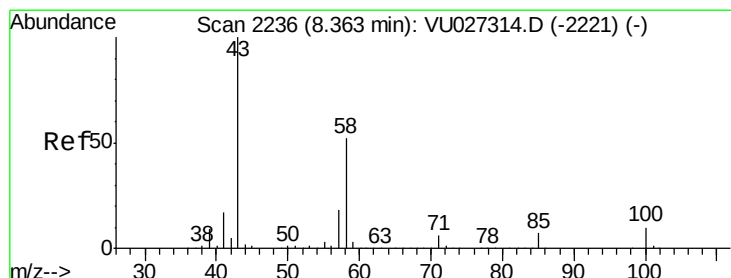
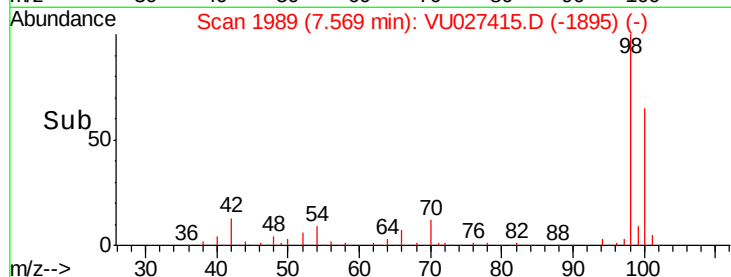
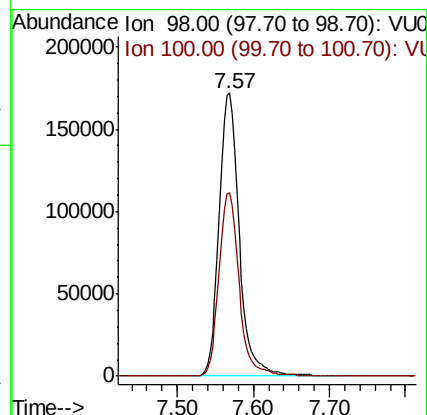
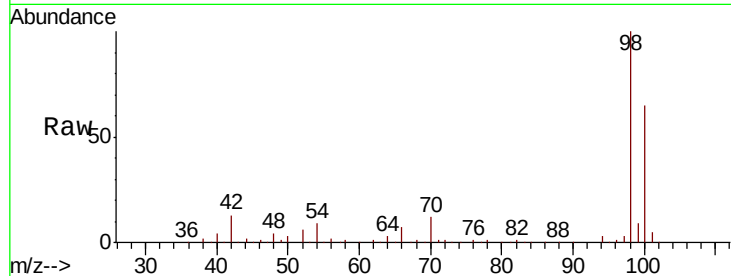




#50
Toluene-d8
Concen: 59.535 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU027415.D
Acq: 04 Oct 2018 18:04

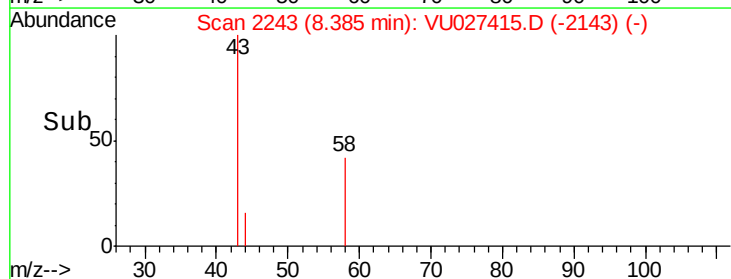
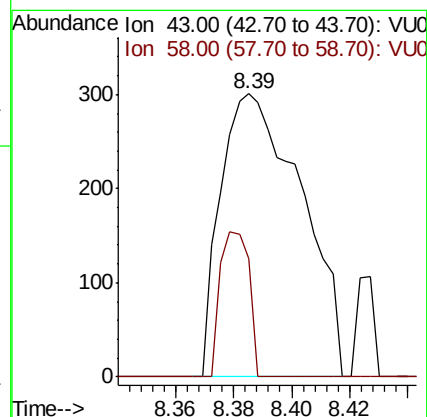
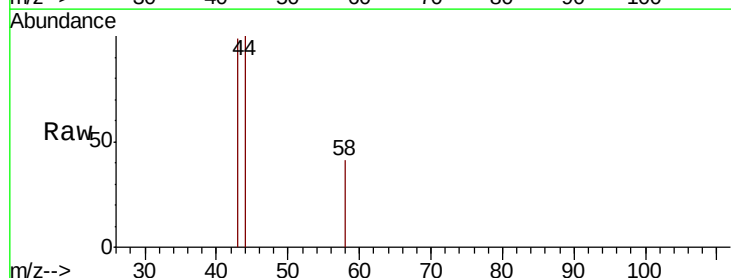
Instrument :
MSVOA_U
ClientSampleId :
TRIP-BLANK-01

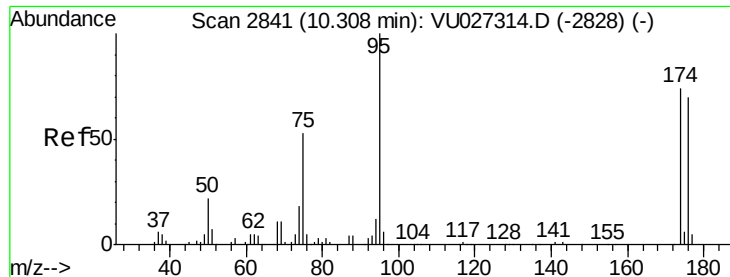
Tgt Ion: 98 Resp: 315744
Ion Ratio Lower Upper
98 100
100 64.8 52.1 78.1



#59
2-Hexanone
Concen: 0.256 ug/l
RT: 8.39 min Scan# 2243
Delta R.T. 0.02 min
Lab File: VU027415.D
Acq: 04 Oct 2018 18:04

Tgt Ion: 43 Resp: 581
Ion Ratio Lower Upper
43 100
58 18.4 26.1 78.3#

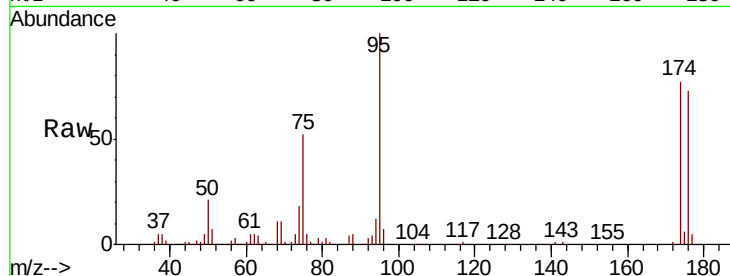




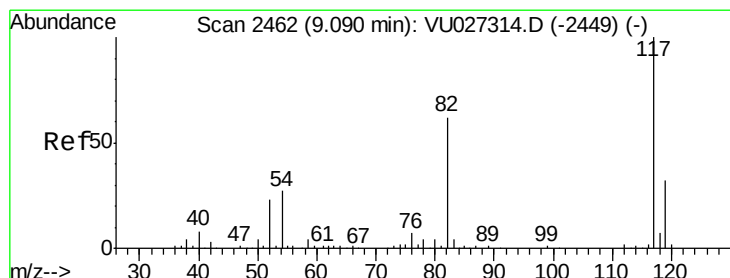
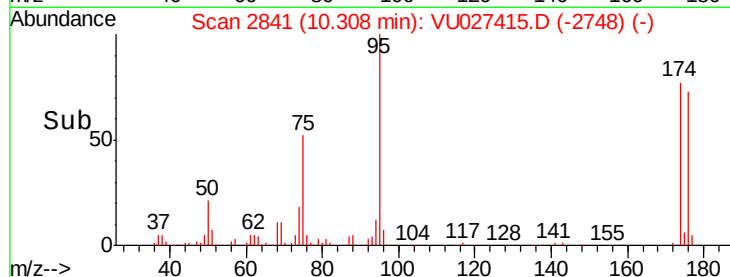
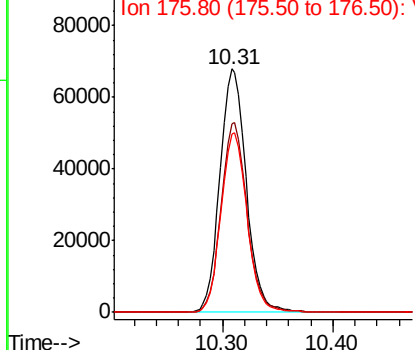
#62
4-Bromofluorobenzene
Concen: 57.198 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.00 min
Lab File: VU027415.D
Acq: 04 Oct 2018 18:04

Instrument :
MSVOA_U
ClientSampleId :
TRIP-BLANK-01

Tgt Ion: 95 Resp: 112738
Ion Ratio Lower Upper
95 100
174 76.8 0.0 147.8
176 73.4 0.0 140.8

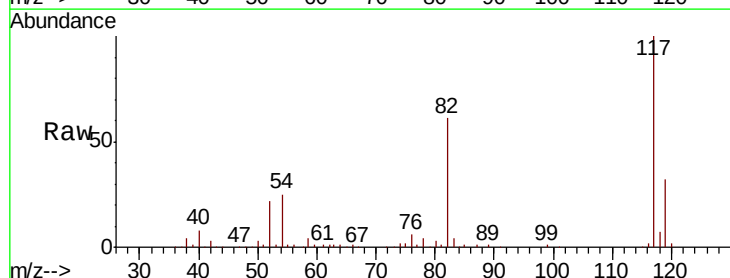


Abundance Ion 94.90 (94.60 to 95.60): VU027314.D (-2828) (-)
Ion 173.80 (173.50 to 174.50): VU027314.D (-2828) (-)
Ion 175.80 (175.50 to 176.50): VU027314.D (-2828) (-)

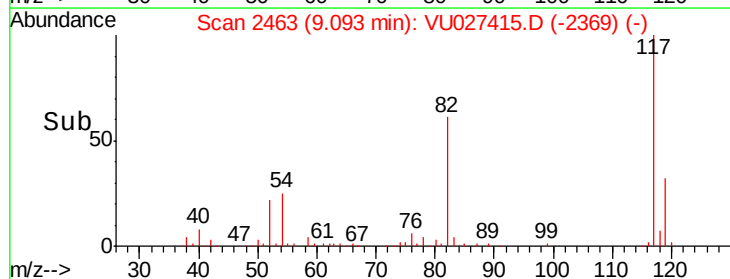
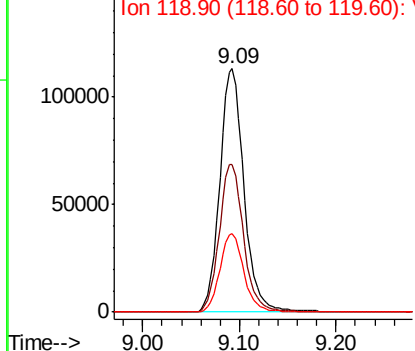


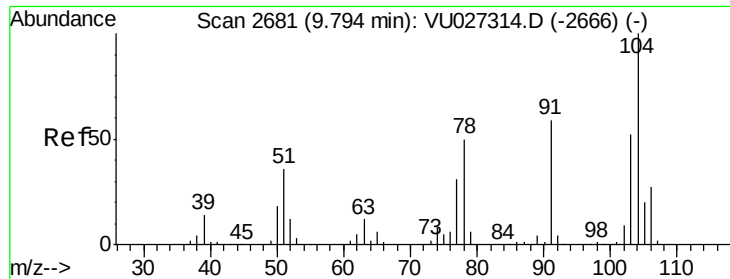
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU027415.D
Acq: 04 Oct 2018 18:04

Tgt Ion: 117 Resp: 196544
Ion Ratio Lower Upper
117 100
82 60.7 49.2 73.8
119 32.1 25.7 38.5



Abundance Ion 116.90 (116.60 to 117.60): VU027314.D (-2449) (-)
Ion 82.00 (81.70 to 82.70): VU027314.D (-2449) (-)
Ion 118.90 (118.60 to 119.60): VU027314.D (-2449) (-)

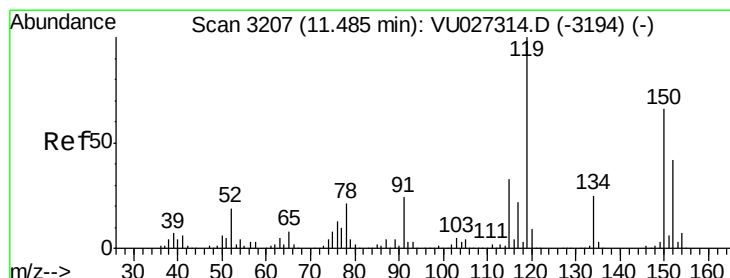
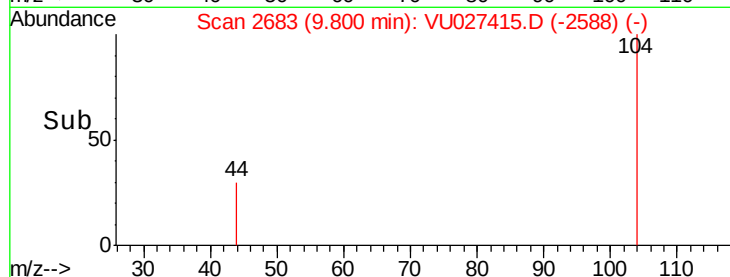
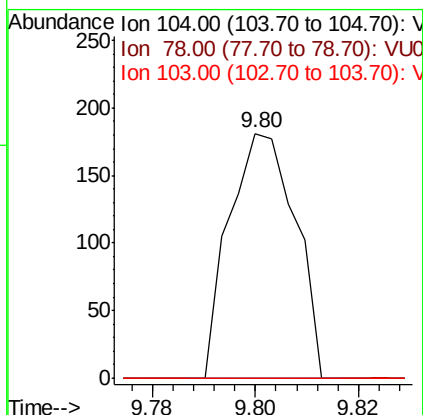
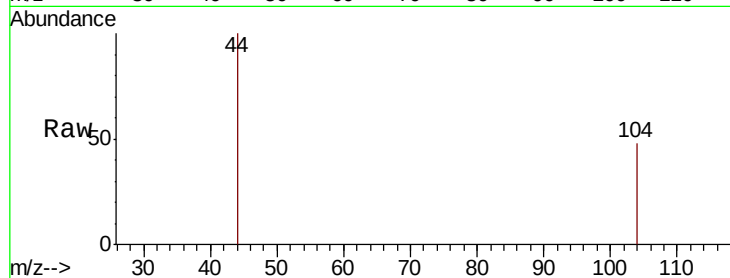




#70
Styrene
Concen: 2.331 ug/l
RT: 9.80 min Scan# 2683
Delta R.T. 0.01 min
Lab File: VU027415.D
Acq: 04 Oct 2018 18:04

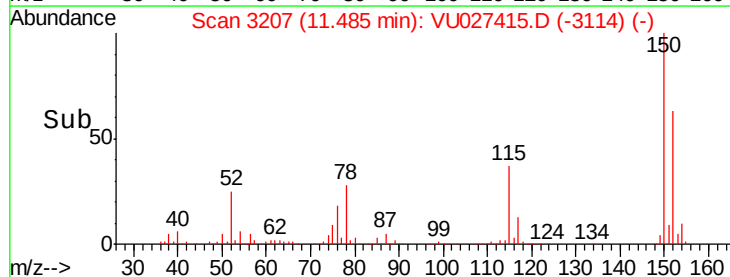
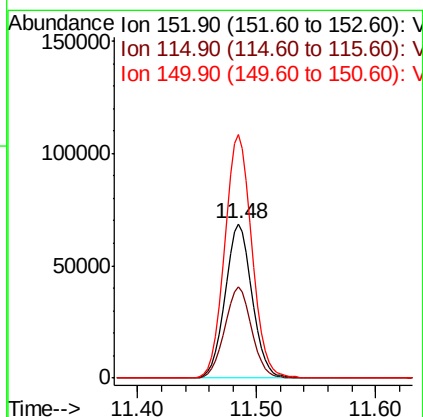
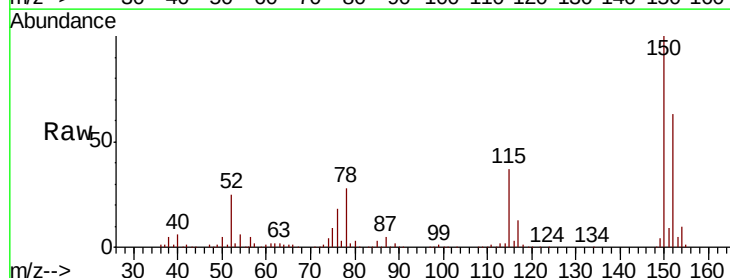
Instrument :
MSVOA_U
ClientSampleId :
TRIP-BLANK-01

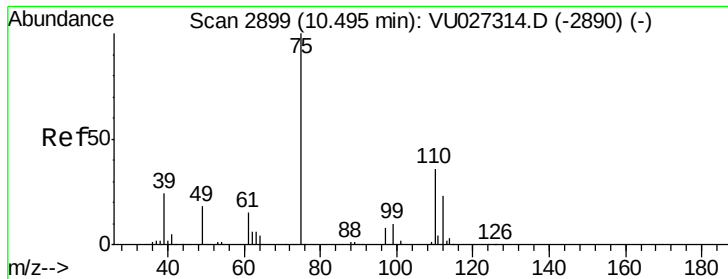
Tgt Ion:104 Resp: 160
Ion Ratio Lower Upper
104 100
78 0.0 42.9 64.3#
103 0.0 43.9 65.9#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. -0.00 min
Lab File: VU027415.D
Acq: 04 Oct 2018 18:04

Tgt Ion:152 Resp: 107427
Ion Ratio Lower Upper
152 100
115 59.2 43.4 130.2
150 158.9 0.0 349.2

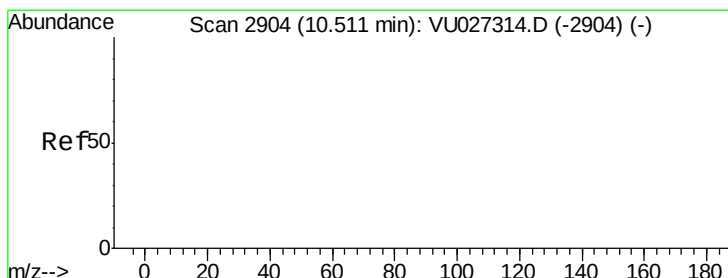
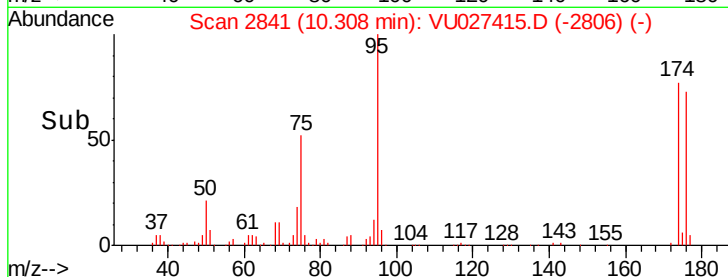
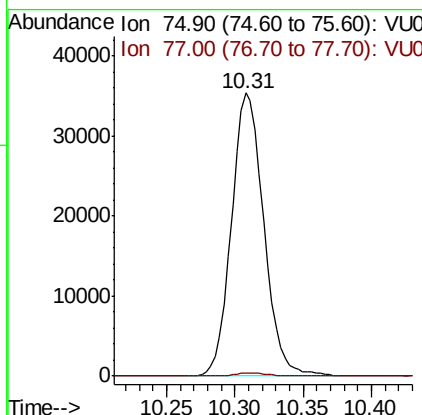
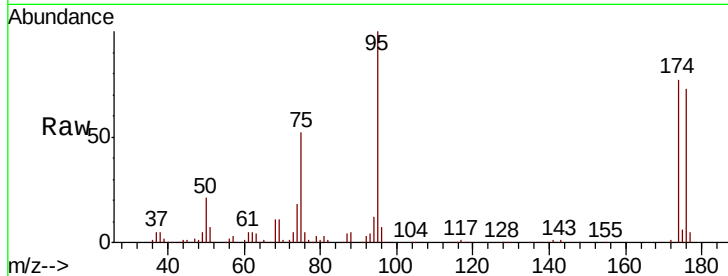




#76
 1,2,3-Trichloropropane
 Concen: 20.845 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.19 min
 Lab File: VU027415.D
 Acq: 04 Oct 2018 18:04

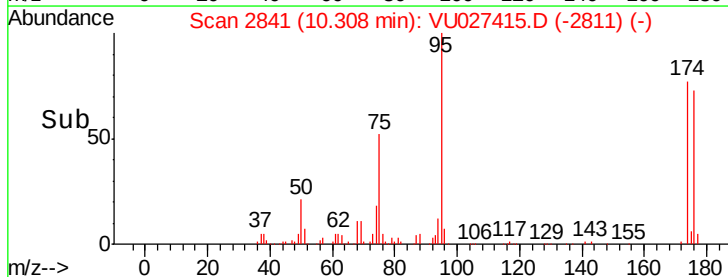
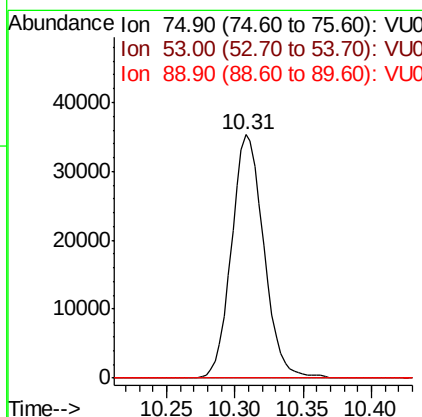
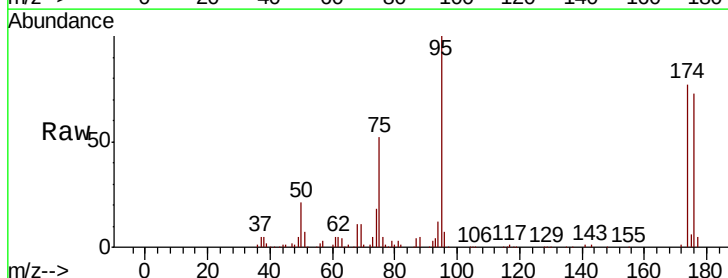
Instrument :
 MSVOA_U
 ClientSampleId :
 TRIP-BLANK-01

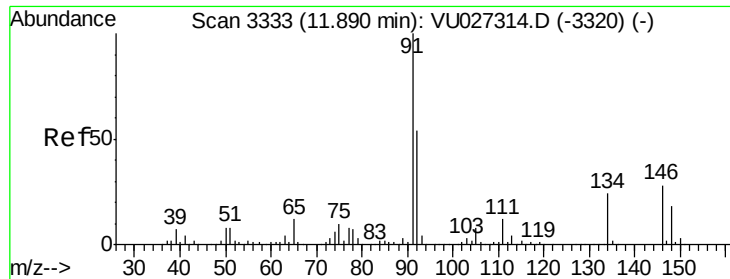
Tgt Ion: 75 Resp: 58049
 Ion Ratio Lower Upper
 75 100
 77 1.0 20.3 60.9#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 54.554 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.20 min
 Lab File: VU027415.D
 Acq: 04 Oct 2018 18:04

Tgt Ion: 75 Resp: 58049
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





#89

n-Butylbenzene

Concen: 2.087 ug/l

RT: 11.89 min Scan# 3334

Delta R.T. 0.00 min

Lab File: VU027415.D

Acq: 04 Oct 2018 18:04

Instrument :

MSVOA_U

ClientSampleId :

TRIP-BLANK-01

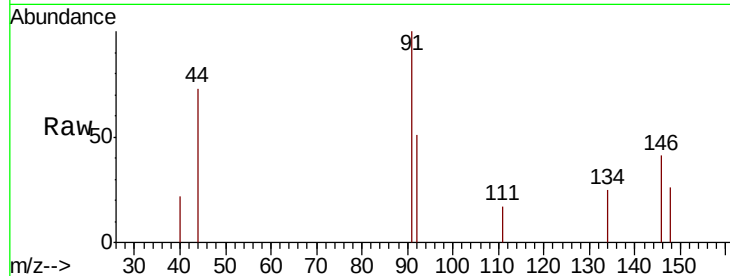
Tgt Ion: 91 Resp: 1006

Ion Ratio Lower Upper

91 100

92 46.5 27.0 81.0

134 17.0 11.7 35.1

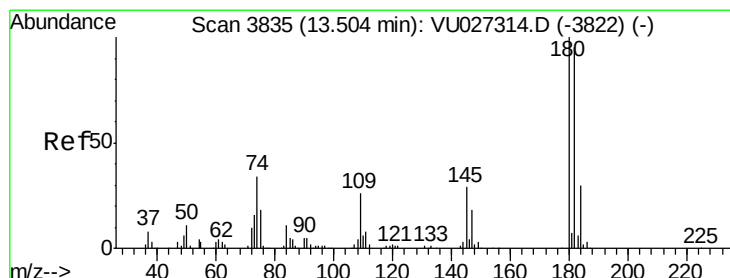
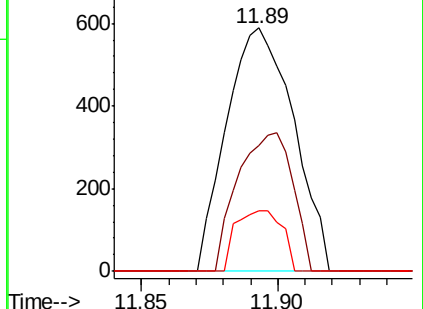
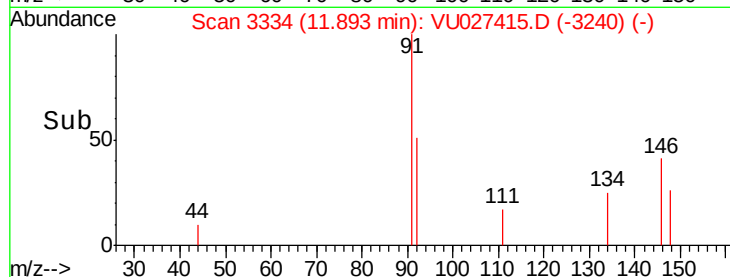


Abundance Ion 91.00 (90.70 to 91.70): VU027314.D (-3320) (-)

Ion 92.00 (91.70 to 92.70): VU027314.D (-3320) (-)

Ion 134.00 (133.70 to 134.70): VU027314.D (-3320) (-)

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 0.233 ug/l

RT: 13.51 min Scan# 3838

Delta R.T. 0.01 min

Lab File: VU027415.D

Acq: 04 Oct 2018 18:04

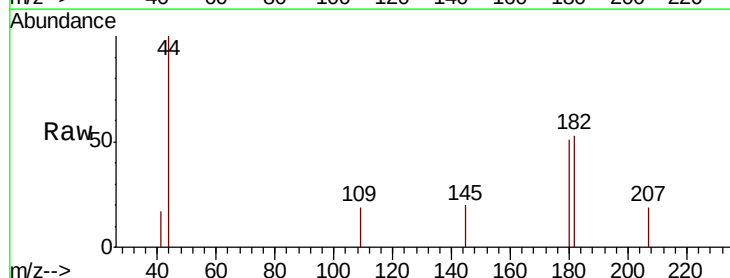
Tgt Ion: 180 Resp: 503

Ion Ratio Lower Upper

180 100

182 125.4 47.4 142.3

145 13.9 14.6 44.0#

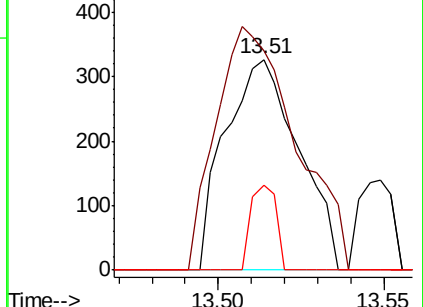
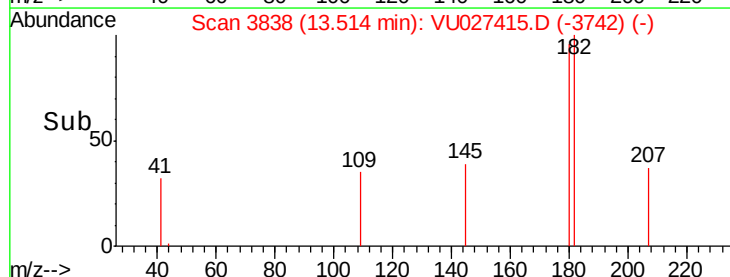


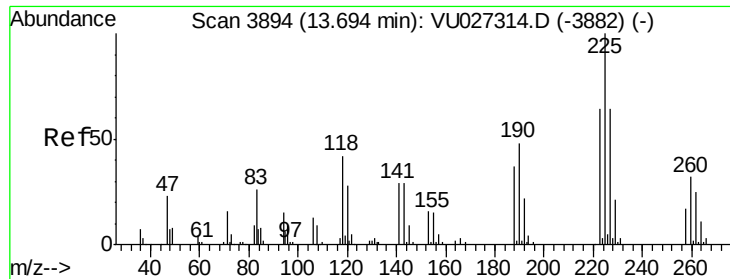
Abundance Ion 179.80 (179.50 to 180.50): VU027314.D (-3822) (-)

Ion 181.80 (181.50 to 182.50): VU027314.D (-3822) (-)

Ion 144.80 (144.50 to 145.50): VU027314.D (-3822) (-)

Time-->





#94

Hexachlorobutadiene

Concen: 0.369 ug/l

RT: 13.69 min Scan# 3893

Delta R.T. -0.00 min

Lab File: VU027415.D

Acq: 04 Oct 2018 18:04

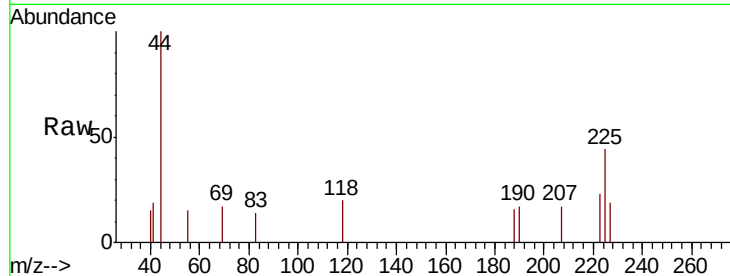
Instrument :

MSVOA_U

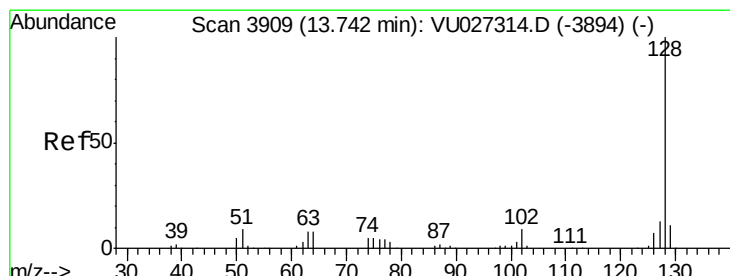
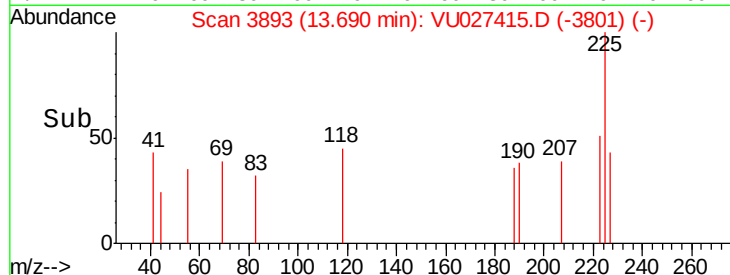
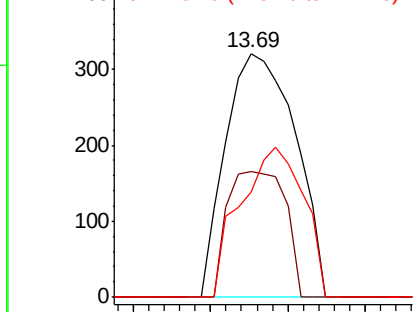
ClientSampleId :

TRIP-BLANK-01

Tgt Ion:	225	Resp:	403
Ion	Ratio	Lower	Upper
225	100		
223	42.4	31.8	95.3
227	55.8	31.9	95.7



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: 1.940 ug/l

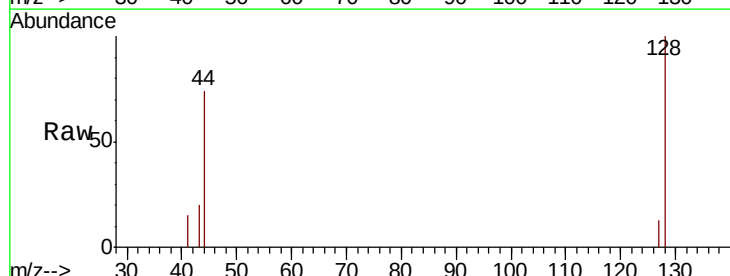
RT: 13.75 min Scan# 3911

Delta R.T. 0.01 min

Lab File: VU027415.D

Acq: 04 Oct 2018 18:04

Tgt Ion:	128	Resp:	2351
Ion	Ratio	Lower	Upper
128	100		
127	3.8	10.5	15.7#
129	0.0	8.6	12.8#



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

