

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U112818\
 Data File : VU028363.D
 Acq On : 28 Nov 2018 14:07
 Operator : MD/SY
 Sample : J6082-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 S49-EB-2018-1

Quant Time: Nov 29 06:15:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U112818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 29 01:04:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	237833	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	450652	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	405278	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	156000	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	210350	52.92	ug/l	0.00
Spiked Amount			Recovery	=	105.84%	
35) Dibromofluoromethane	4.88	113	150338	50.17	ug/l	0.00
Spiked Amount			Recovery	=	100.34%	
50) Toluene-d8	7.56	98	585276	48.84	ug/l	0.00
Spiked Amount			Recovery	=	97.68%	
62) 4-Bromofluorobenzene	10.30	95	192605	44.59	ug/l	0.00
Spiked Amount			Recovery	=	89.18%	

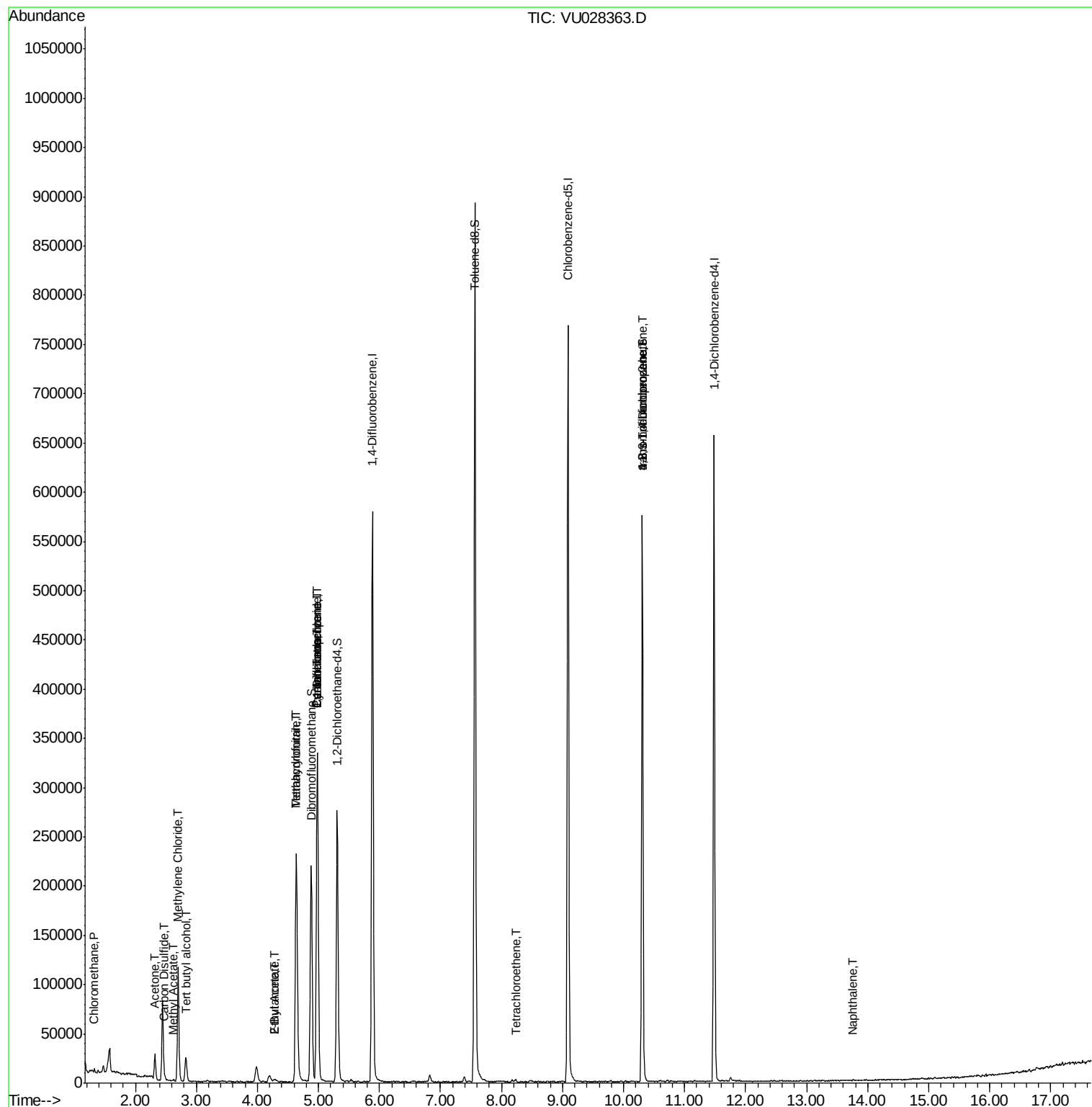
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	3238	0.524	ug/l #	70
11) Tert butyl alcohol	2.83	59	27407	30.351	ug/l	97
16) Acetone	2.32	43	27371	11.257	ug/l	99
17) Carbon Disulfide	2.48	76	2016	0.207	ug/l #	87
18) Methyl Acetate	2.62	43	1455	0.215	ug/l #	79
20) Methylene Chloride	2.70	84	44602	12.950	ug/l	97
25) 2-Butanone	4.28	43	5283	1.516	ug/l	99
29) Tetrahydrofuran	4.64	42	189589	83.797	ug/l	99
31) Cyclohexane	4.99	56	9983	1.132	ug/l #	38
36) 1,1-Dichloropropene	4.98	75	22717	4.607	ug/l #	50
37) Ethyl Acetate	4.28	43	5018	0.747	ug/l #	71
38) Carbon Tetrachloride	4.98	117	23480	5.798	ug/l #	16
41) Methacrylonitrile	4.64	41	101567	27.214	ug/l #	50
64) Tetrachloroethene	8.23	164	537	0.201	ug/l #	73
76) 1,2,3-Trichloropropane	10.30	75	104750	24.214	ug/l #	34
81) trans-1,4-Dichloro-2-buten	10.30	75	104750	64.276	ug/l #	100
95) Naphthalene	13.75	128	70	2.840	ug/l #	69

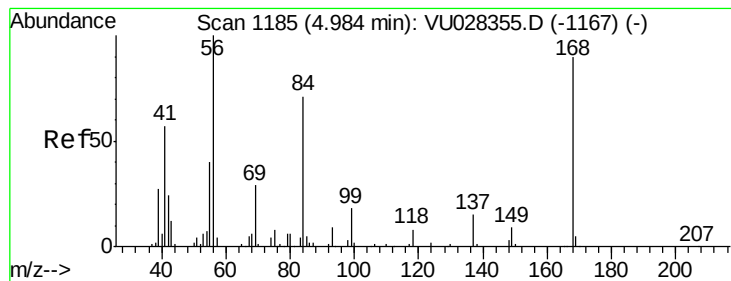
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU112818\
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QLast Update : Thu Nov 29 01:04:49 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VU028363.D

Acq: 28 Nov 2018 14:07

Instrument :

MSVOA_U

ClientSampleId :

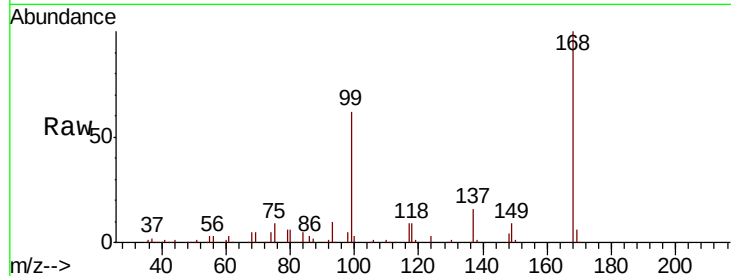
S49-EB-2018-1

Tot Ion:168 Resp: 237833

Ion Ratio Lower Upper

168 100

99 61.9 49.6 74.4



Abundance Ion 167.90 (167.60 to 168.60): VU028355.D (-1167) (-)

Ion 98.90 (98.60 to 99.60): VU028355.D (-1167) (-)

4.98

120000

100000

80000

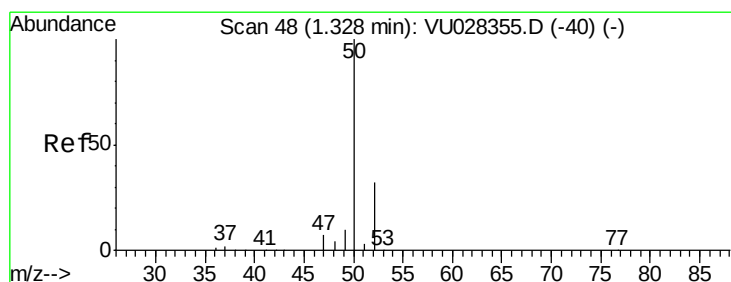
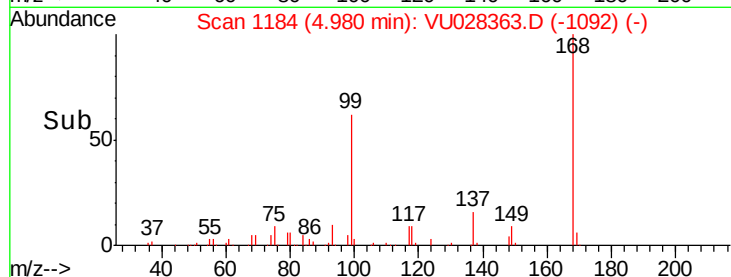
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.524 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028363.D

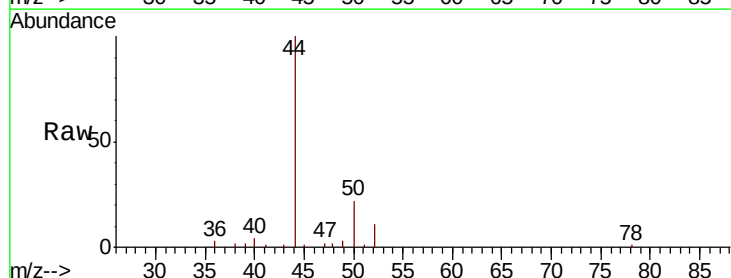
Acq: 28 Nov 2018 14:07

Tgt Ion: 50 Resp: 3238

Ion Ratio Lower Upper

50 100

52 48.6 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VU028355.D (-40) (-)

Ion 51.90 (51.60 to 52.60): VU028355.D (-40) (-)

1.33

2500

2000

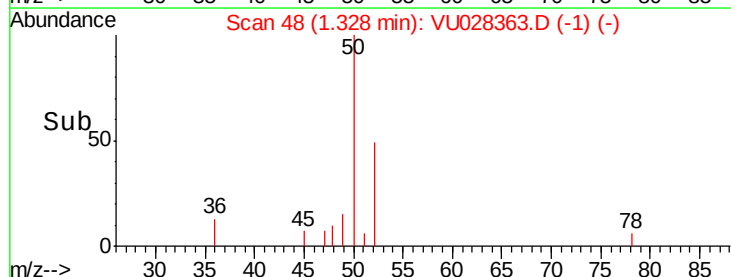
1500

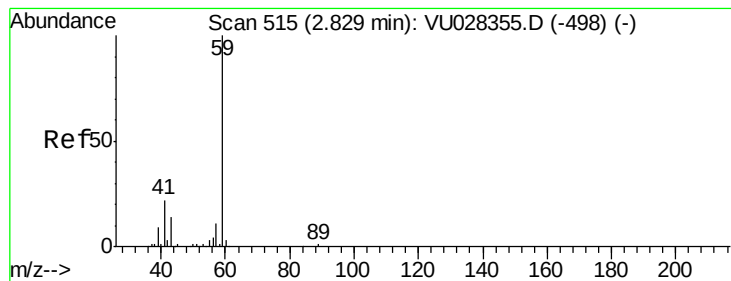
1000

500

0

Time-->





#11

Tert butyl alcohol

Concen: 30.351 ug/l

RT: 2.83 min Scan# 514

Delta R.T. -0.00 min

Lab File: VU028363.D

Acq: 28 Nov 2018 14:07

Instrument :

MSVOA_U

ClientSampleId :

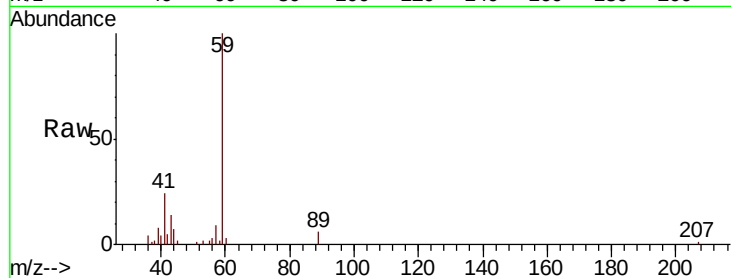
S49-EB-2018-1

Tot Ion: 59 Resp: 27407

Ion Ratio Lower Upper

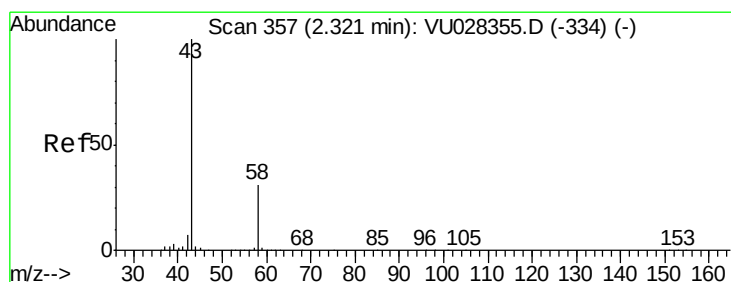
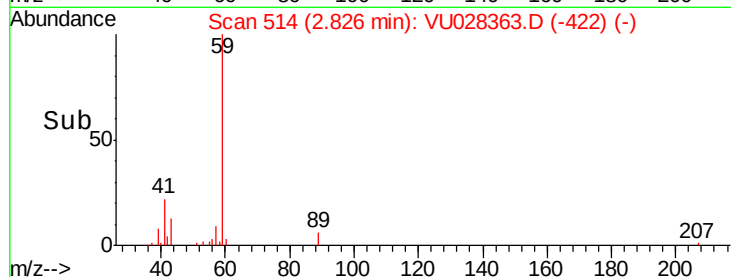
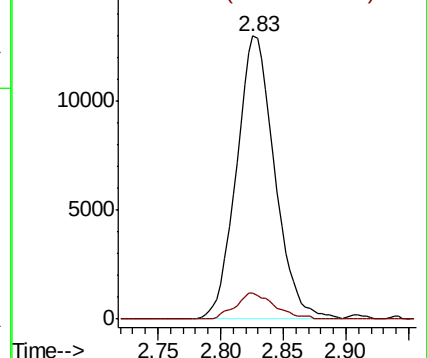
59 100

57 9.4 8.3 12.5



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0



#16

Acetone

Concen: 11.257 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028363.D

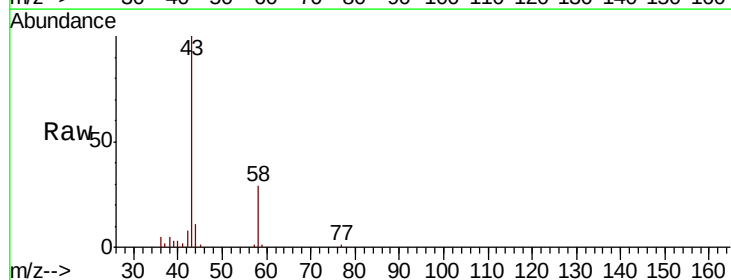
Acq: 28 Nov 2018 14:07

Tgt Ion: 43 Resp: 27371

Ion Ratio Lower Upper

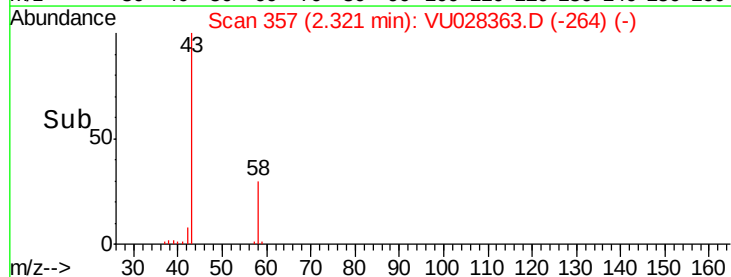
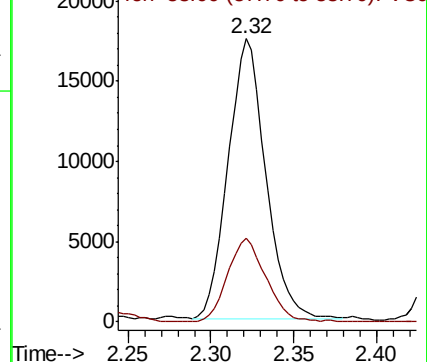
43 100

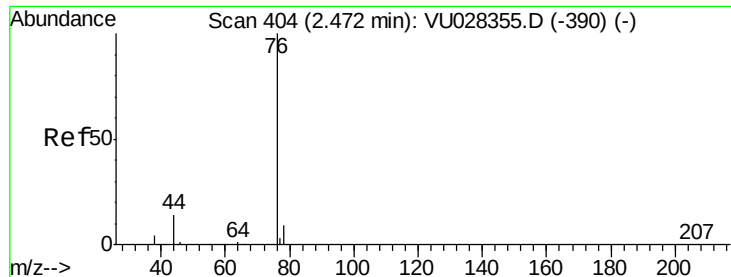
58 29.8 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#17

Carbon Disulfide

Concen: 0.207 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.01 min

Lab File: VU028363.D

Acq: 28 Nov 2018 14:07

Instrument :

MSVOA_U

ClientSampleId :

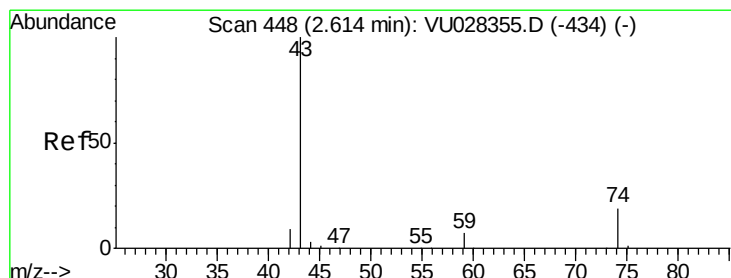
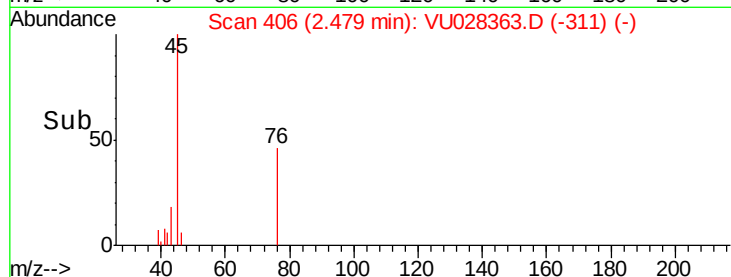
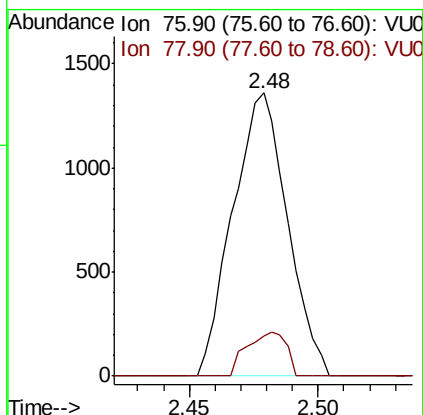
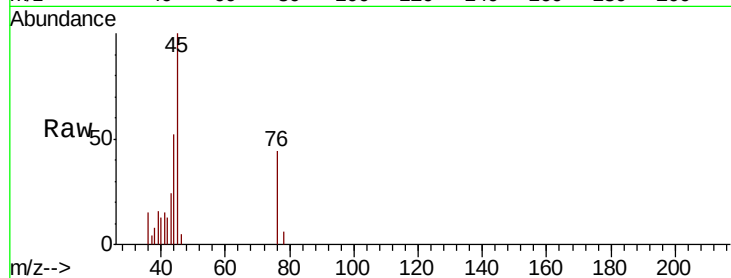
S49-EB-2018-1

Tot Ion: 76 Resp: 2016

Ion Ratio Lower Upper

76 100

78 14.2 7.4 11.2#



#18

Methyl Acetate

Concen: 0.215 ug/l

RT: 2.62 min Scan# 451

Delta R.T. 0.01 min

Lab File: VU028363.D

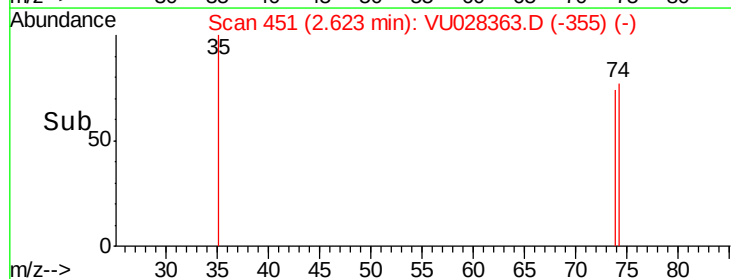
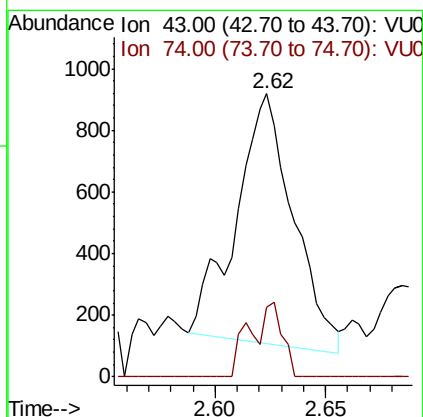
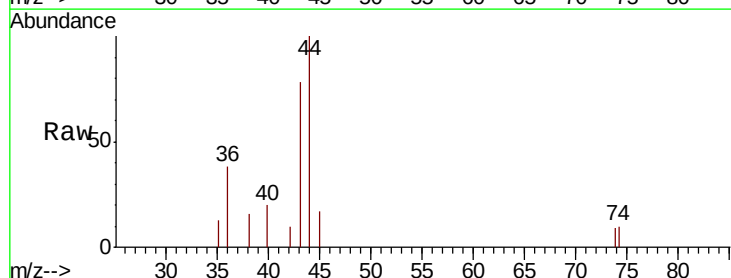
Acq: 28 Nov 2018 14:07

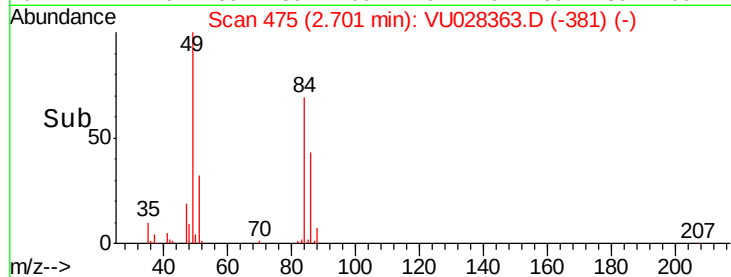
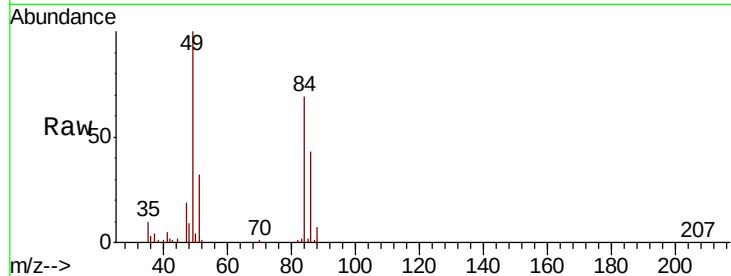
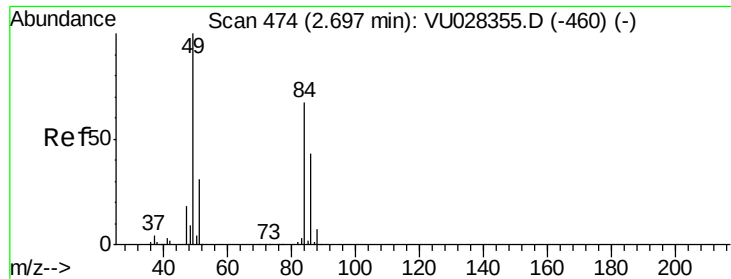
Tgt Ion: 43 Resp: 1455

Ion Ratio Lower Upper

43 100

74 9.4 15.3 22.9#



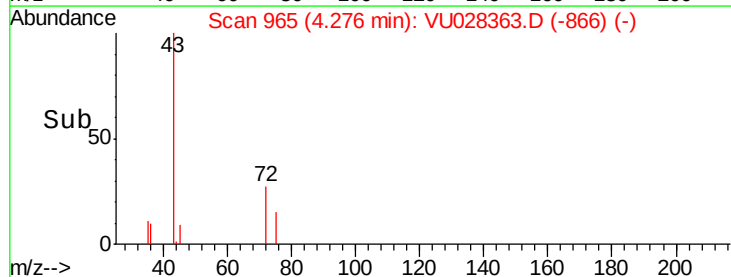
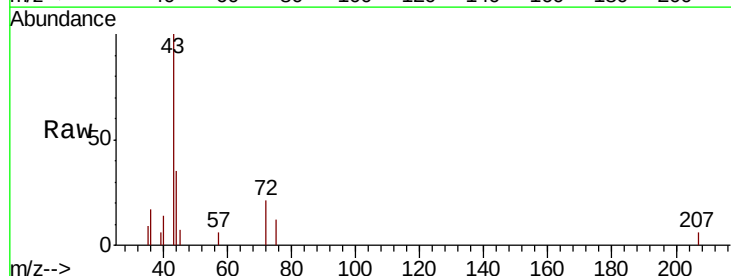
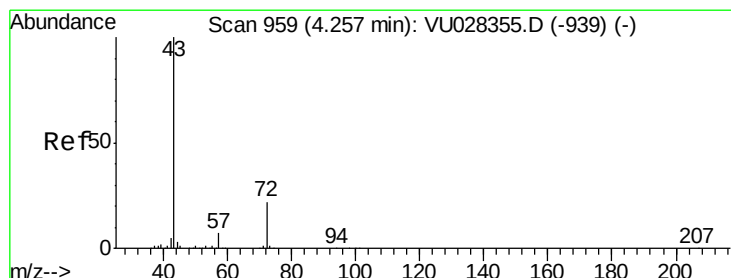
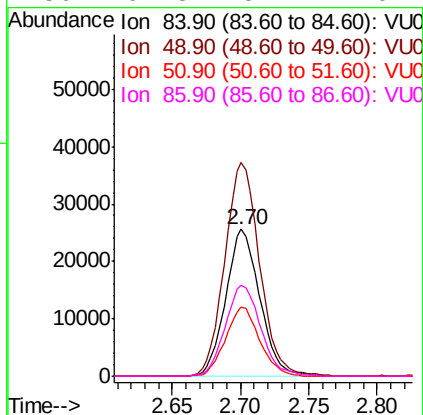


#20
Methylene Chloride
Concen: 12.950 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU028363.D
Acq: 28 Nov 2018 14:07

Instrument :
MSVOA_U
ClientSampleId :
S49-EB-2018-1

Tot Ion: 84 Resp: 44602

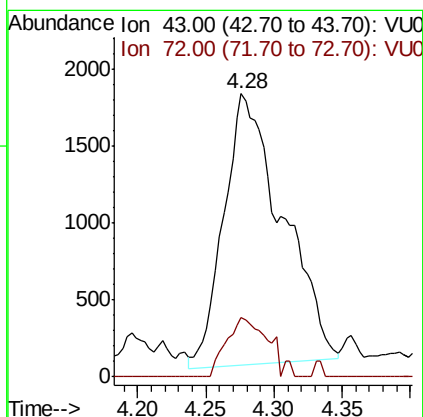
Ion	Ratio	Lower	Upper
84	100		
49	145.3	120.0	180.0
51	46.9	36.9	55.3
86	61.8	51.1	76.7

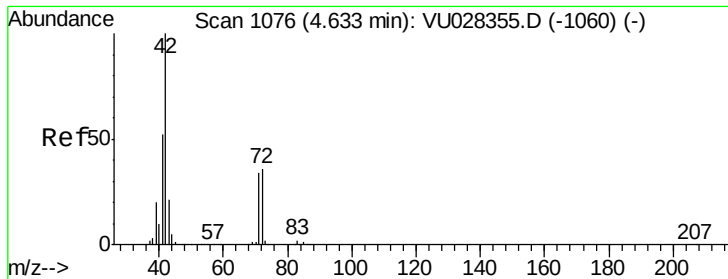


#25
2-Butanone
Concen: 1.516 ug/l
RT: 4.28 min Scan# 965
Delta R.T. 0.02 min
Lab File: VU028363.D
Acq: 28 Nov 2018 14:07

Tgt Ion: 43 Resp: 5283

Ion	Ratio	Lower	Upper
43	100		
72	22.6	17.7	26.5





#29

Tetrahydrofuran

Concen: 83.797 ug/l

RT: 4.64 min Scan# 1077

Delta R.T. 0.00 min

Lab File: VU028363.D

Acq: 28 Nov 2018 14:07

Instrument :

MSVOA_U

ClientSampleId :

S49-EB-2018-1

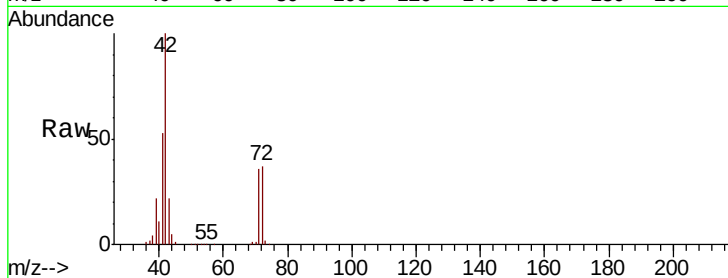
Tot Ion: 42 Resp: 189589

Ion Ratio Lower Upper

42 100

72 36.8 29.5 44.3

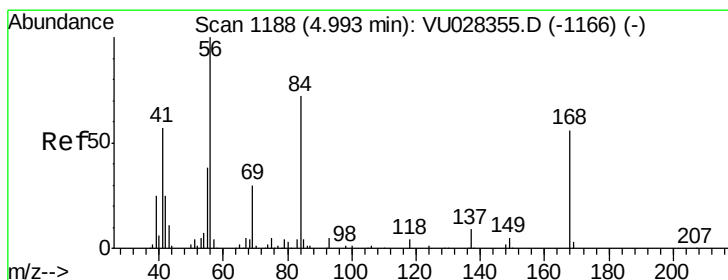
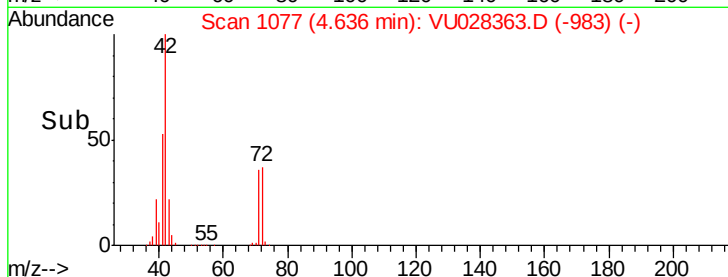
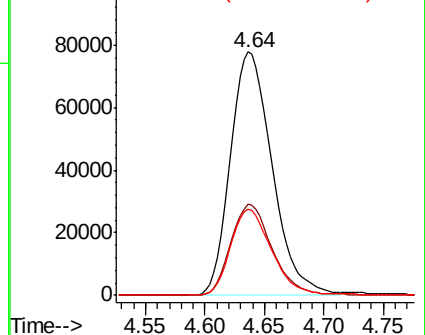
71 35.1 27.7 41.5



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: 1.132 ug/l

RT: 4.99 min Scan# 1187

Delta R.T. -0.00 min

Lab File: VU028363.D

Acq: 28 Nov 2018 14:07

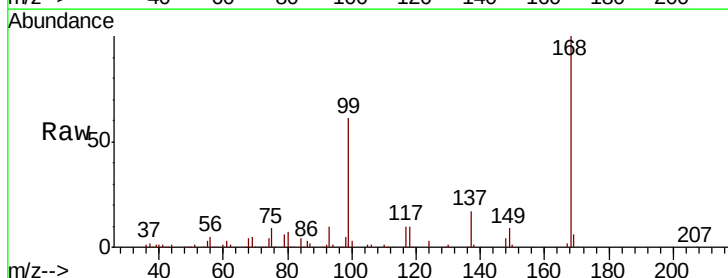
Tgt Ion: 56 Resp: 9983

Ion Ratio Lower Upper

56 100

69 104.7 23.7 35.5#

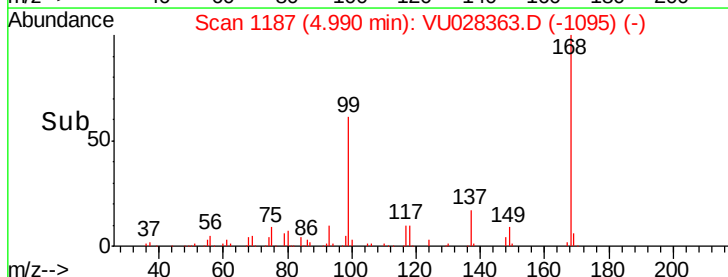
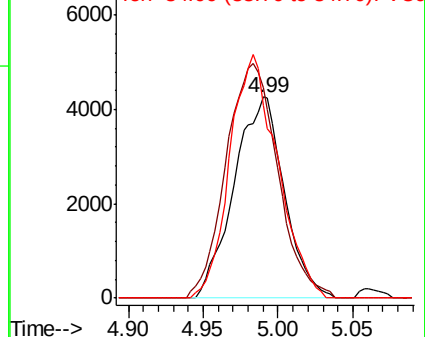
84 96.1 57.3 85.9#

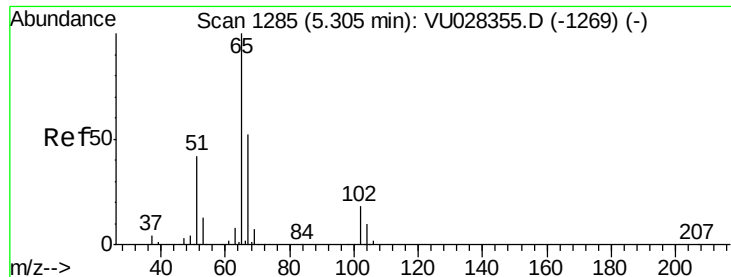


Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0

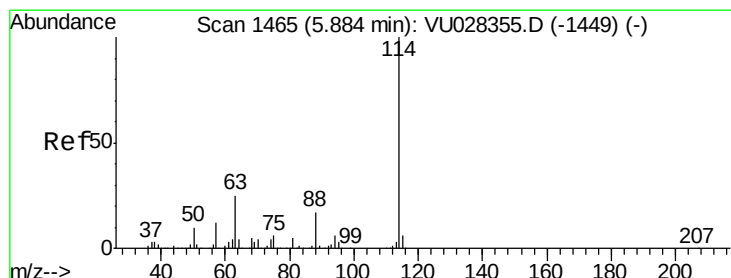
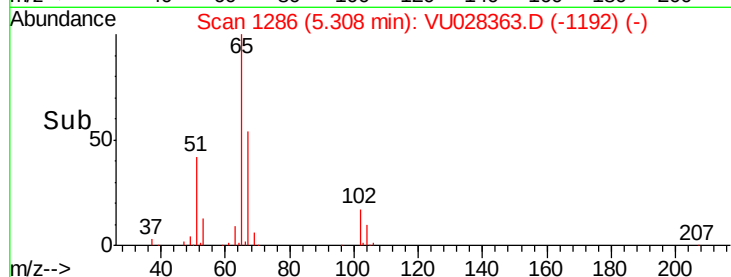
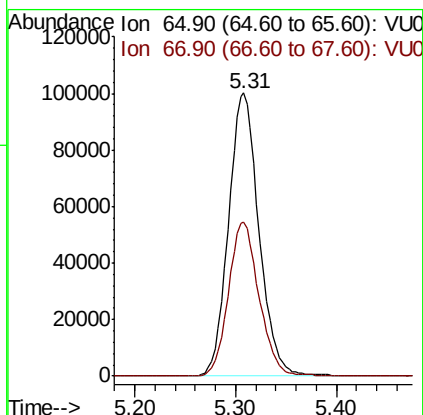
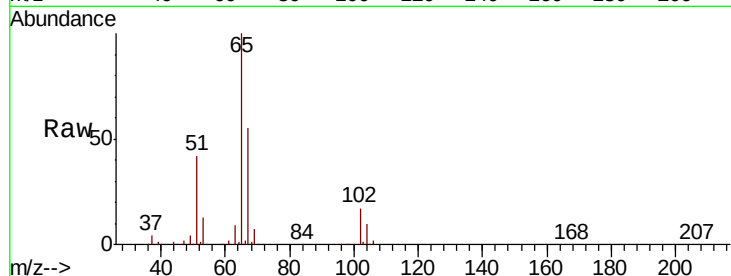




#33
 1,2-Dichloroethane-d4
 Concen: 52.921 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VU028363.D
 Acq: 28 Nov 2018 14:07

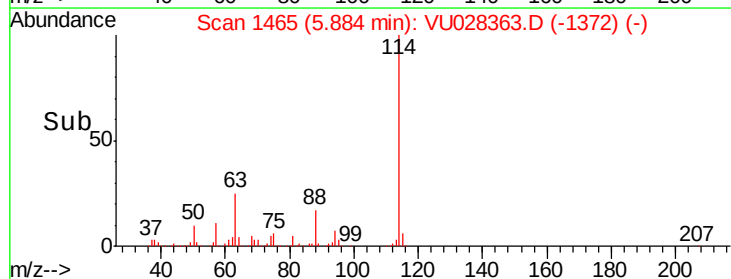
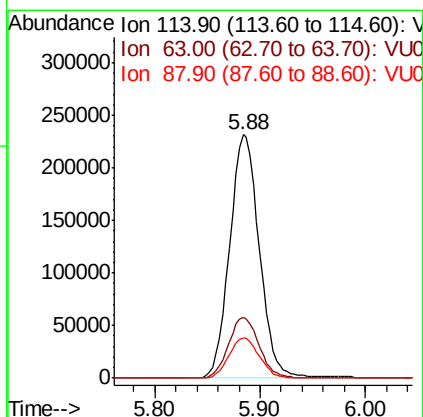
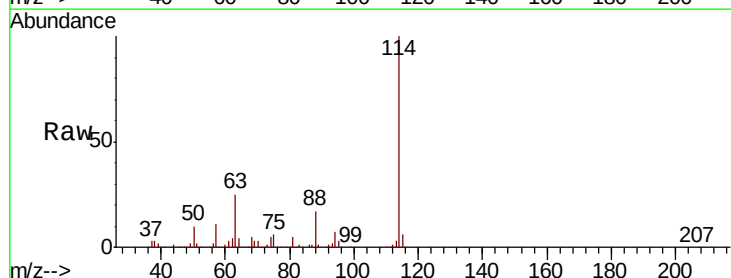
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 S49-EB-2018-1

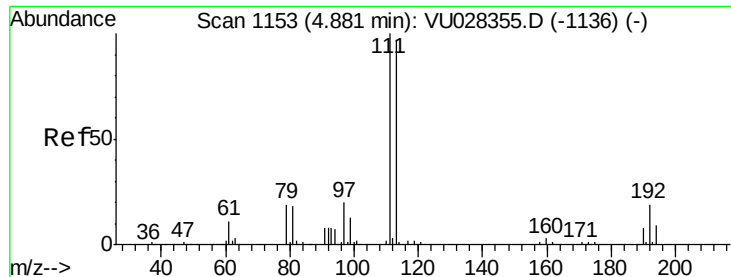
Tot Ion: 65 Resp: 210350
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028363.D
 Acq: 28 Nov 2018 14:07

Tgt Ion: 114 Resp: 450652
 Ion Ratio Lower Upper
 114 100
 63 24.8 0.0 50.0
 88 16.5 0.0 34.4

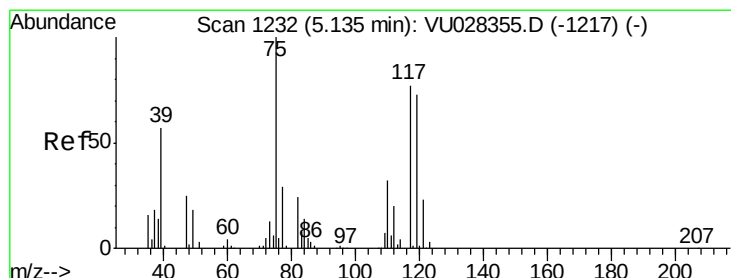
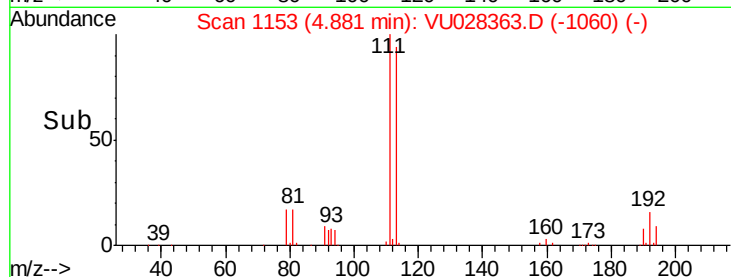
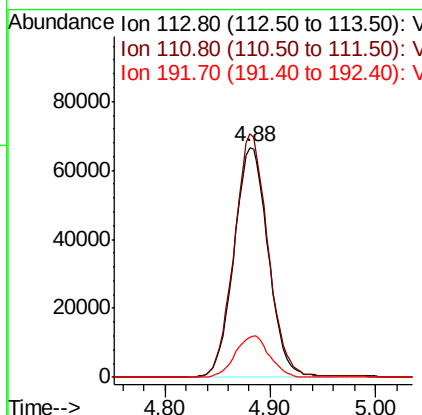
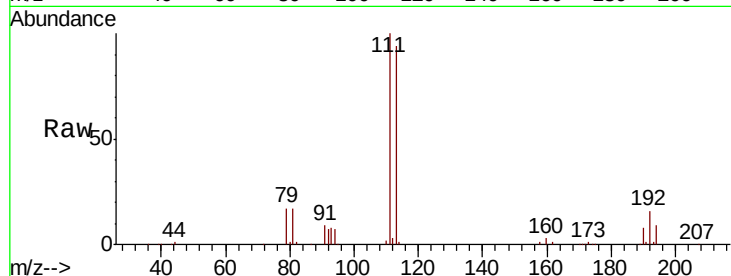




#35
 Dibromofluoromethane
 Concen: 50.169 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028363.D
 Acq: 28 Nov 2018 14:07

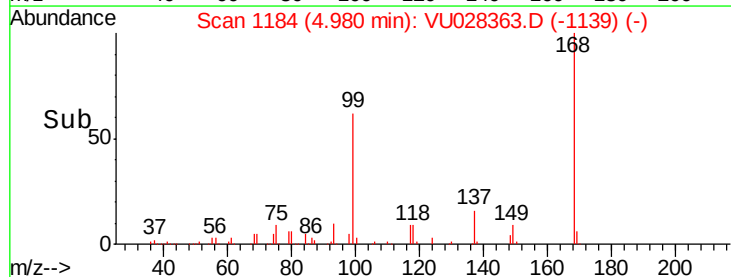
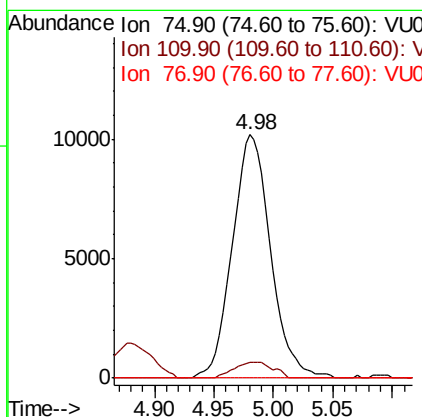
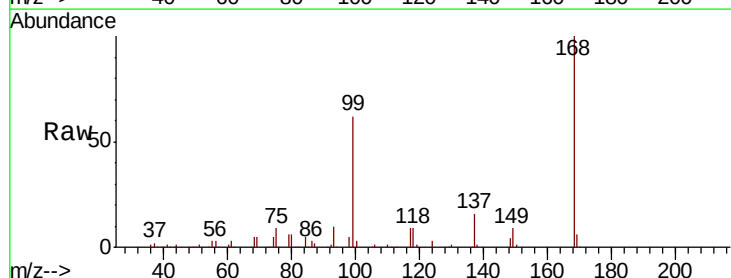
Instrument :
 MSVOA_U
 ClientSampleId :
 S49-EB-2018-1

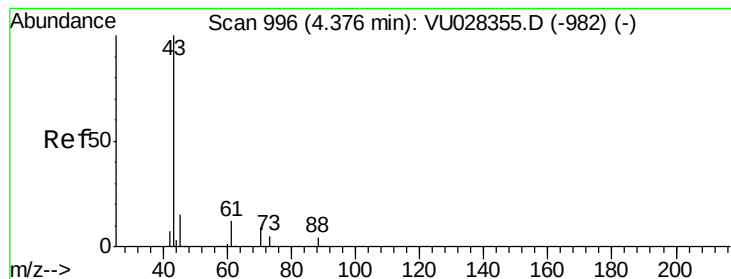
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.3	82.9	124.3
192	18.0	15.4	23.0



#36
 1,1-Dichloropropene
 Concen: 4.607 ug/l
 RT: 4.98 min Scan# 1184
 Delta R.T. -0.15 min
 Lab File: VU028363.D
 Acq: 28 Nov 2018 14:07

Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.6	15.8	47.4#
77	0.0	24.6	36.8#





#37

Ethyl Acetate

Concen: 0.747 ug/l

RT: 4.28 min Scan# 965

Delta R.T. -0.10 min

Lab File: VU028363.D

Acq: 28 Nov 2018 14:07

Instrument :

MSVOA_U

ClientSampleId :

S49-EB-2018-1

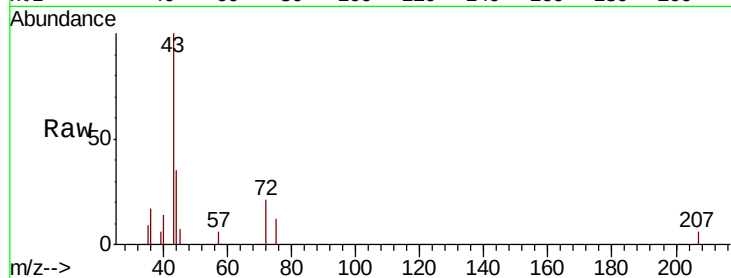
Tot Ion: 43 Resp: 5018

Ion Ratio Lower Upper

43 100

61 0.0 10.2 15.4#

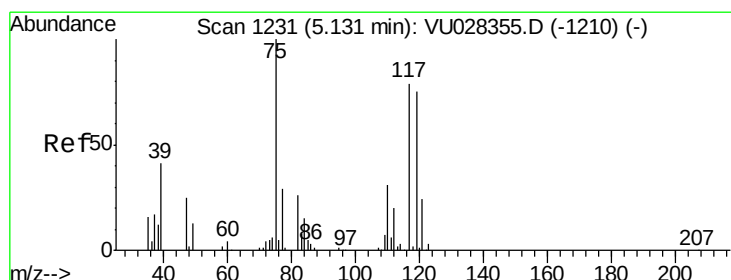
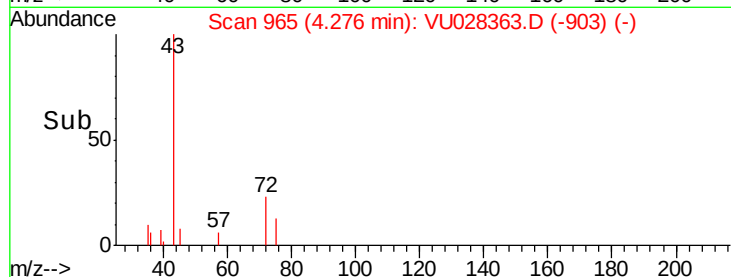
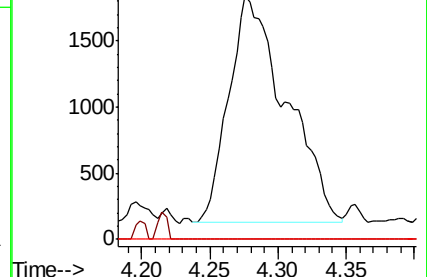
70 0.0 6.9 10.3#



Abundance Ion 43.00 (42.70 to 43.70): VU028355.D (-982) (-)

Ion 60.90 (60.60 to 61.60): VU028355.D (-982) (-)

Ion 70.00 (69.70 to 70.70): VU028355.D (-982) (-)



#38

Carbon Tetrachloride

Concen: 5.798 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028363.D

Acq: 28 Nov 2018 14:07

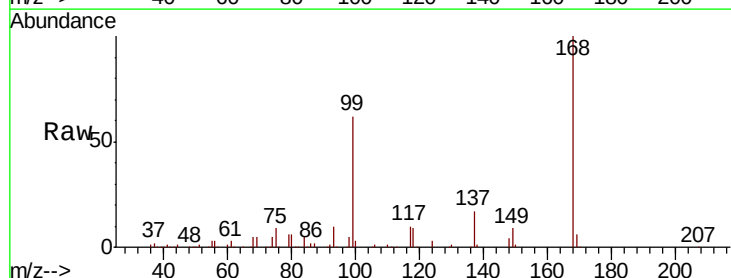
Tgt Ion: 117 Resp: 23480

Ion Ratio Lower Upper

117 100

119 4.5 76.3 114.5#

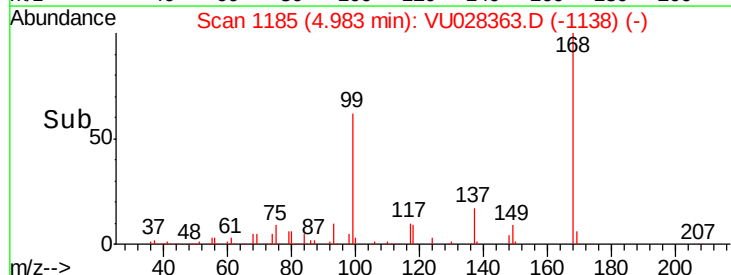
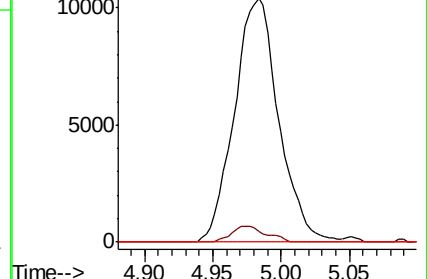
121 0.0 24.7 37.1#

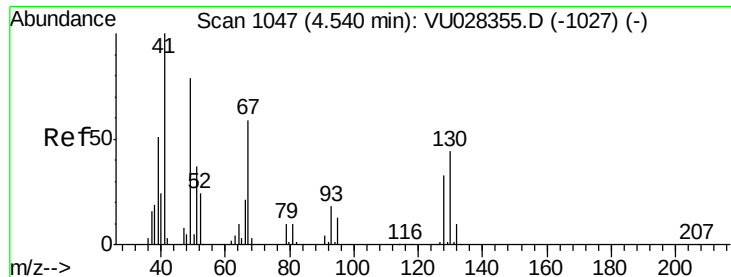


Abundance Ion 116.80 (116.50 to 117.50): VU028355.D (-1210) (-)

Ion 118.80 (118.50 to 119.50): VU028355.D (-1210) (-)

Ion 120.80 (120.50 to 121.50): VU028355.D (-1210) (-)

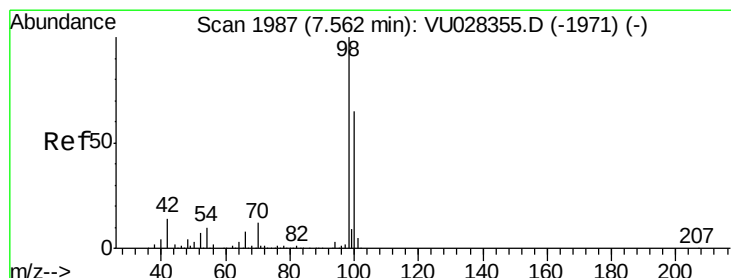
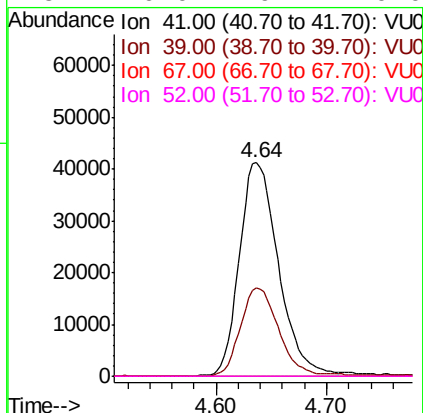
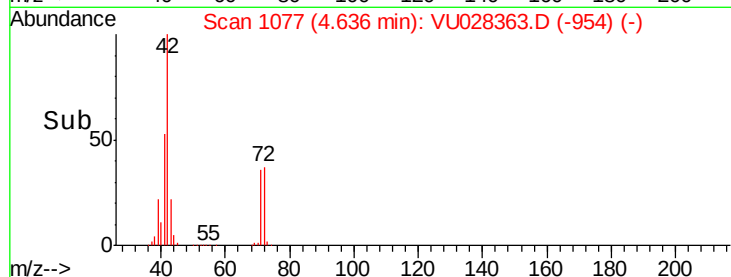
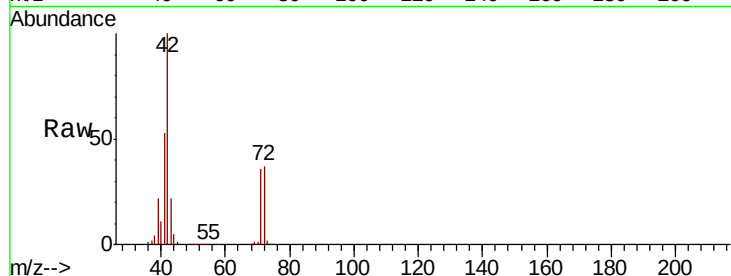




#41
Methacrylonitrile
Concen: 27.214 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. 0.10 min
Lab File: VU028363.D
Acq: 28 Nov 2018 14:07

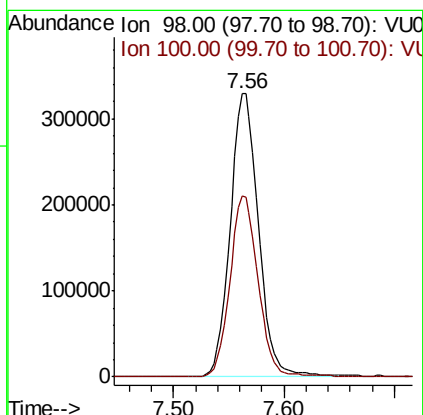
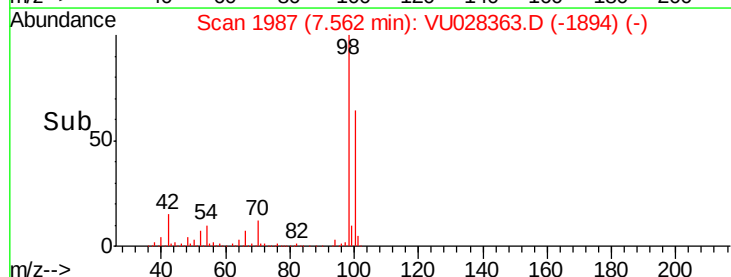
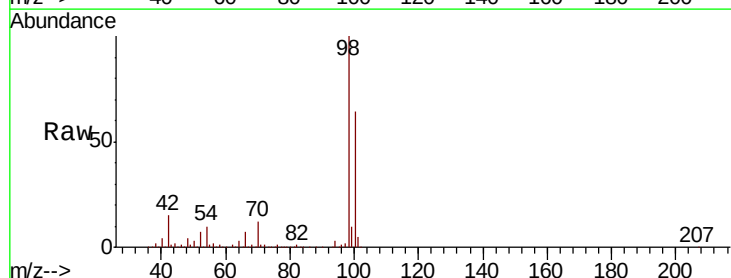
Instrument :
MSVOA_U
ClientSampleId :
S49-EB-2018-1

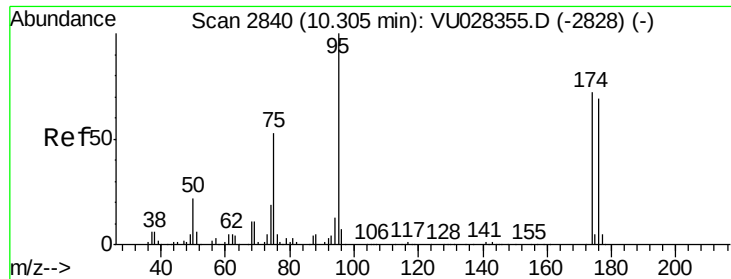
Tot Ion	Ratio	Lower	Upper
41	100		
39	40.0	41.3	61.9#
67	0.0	48.6	73.0#
52	0.0	19.4	29.0#



#50
Toluene-d8
Concen: 48.836 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VU028363.D
Acq: 28 Nov 2018 14:07

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	50.8	76.2





#62

4-Bromofluorobenzene

Concen: 44.589 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028363.D

Acq: 28 Nov 2018 14:07

Instrument :

MSVOA_U

ClientSampleId :

S49-EB-2018-1

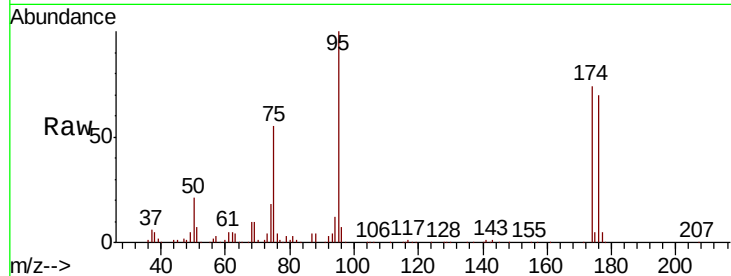
Tot Ion: 95 Resp: 192605

Ion Ratio Lower Upper

95 100

174 73.1 0.0 145.4

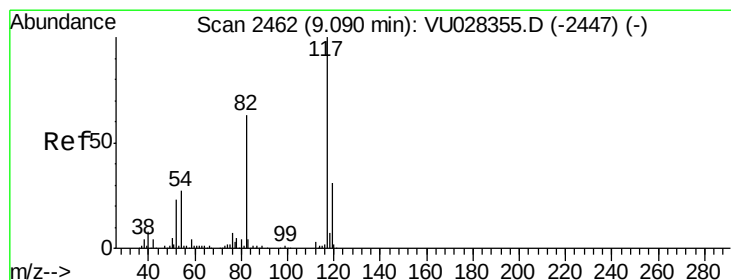
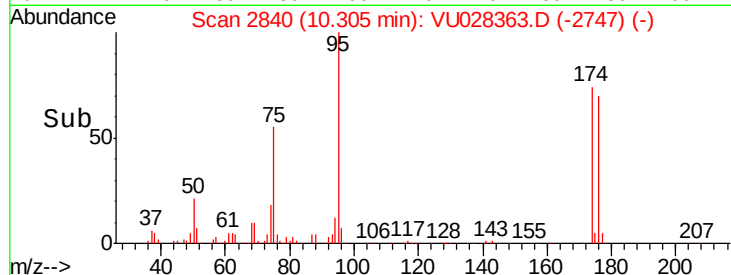
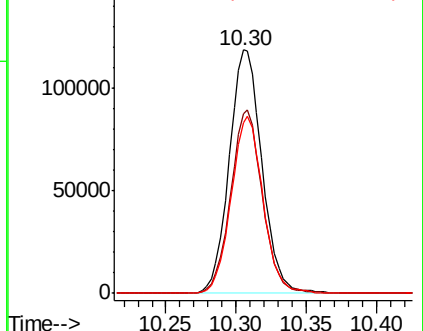
176 70.7 0.0 140.8



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VU028363.D

Acq: 28 Nov 2018 14:07

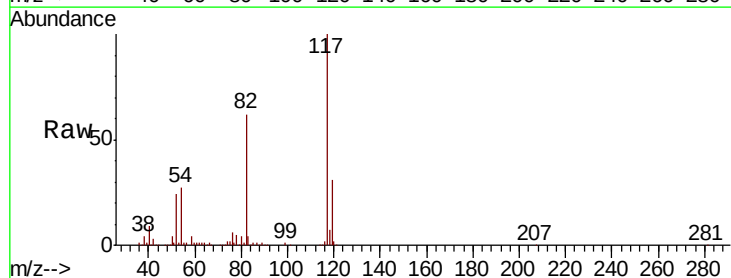
Tgt Ion: 117 Resp: 405278

Ion Ratio Lower Upper

117 100

82 62.3 50.3 75.5

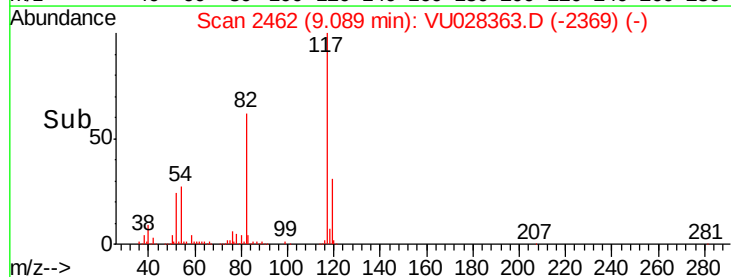
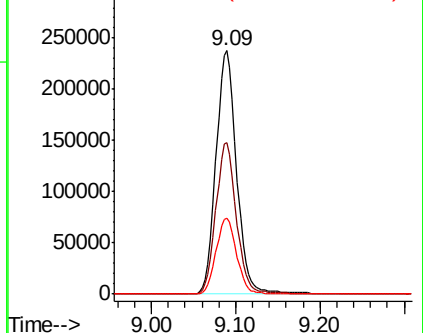
119 31.3 24.8 37.2

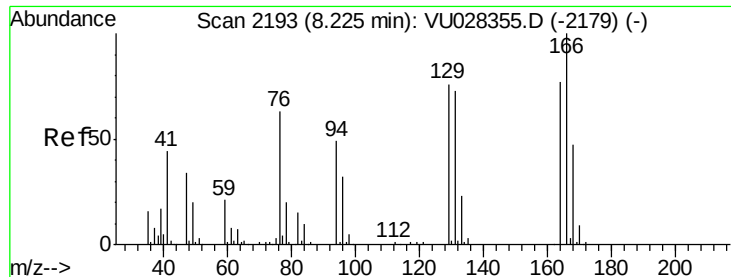


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VU0

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 0.201 ug/l

RT: 8.23 min Scan# 2196

Delta R.T. 0.01 min

Lab File: VU028363.D

Acq: 28 Nov 2018 14:07

Instrument :

MSVOA_U

ClientSampleId :

S49-EB-2018-1

Tot Ion:164 Resp: 537

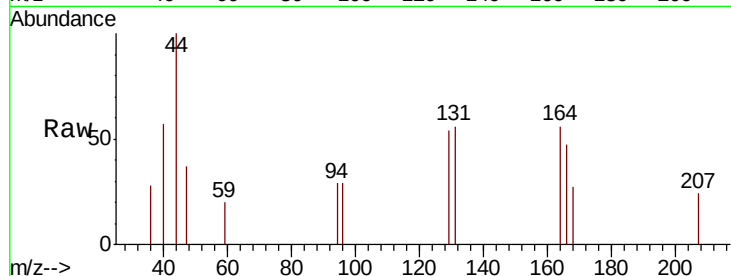
Ion Ratio Lower Upper

164 100

166 58.2 104.0 156.0#

129 96.2 79.2 118.8

131 99.0 75.7 113.5

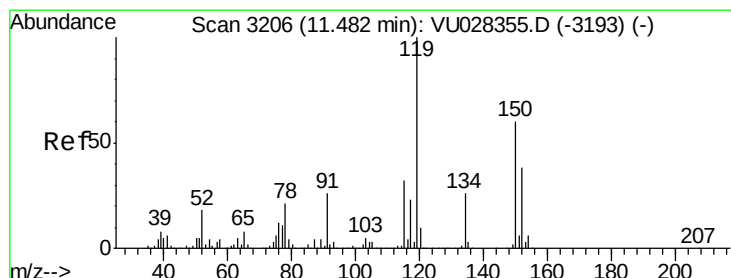
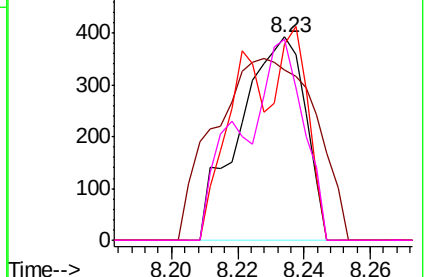
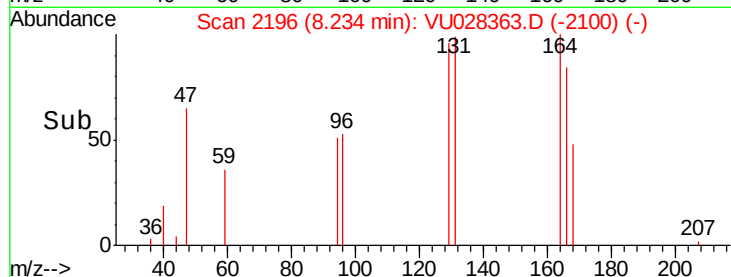


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU028363.D

Acq: 28 Nov 2018 14:07

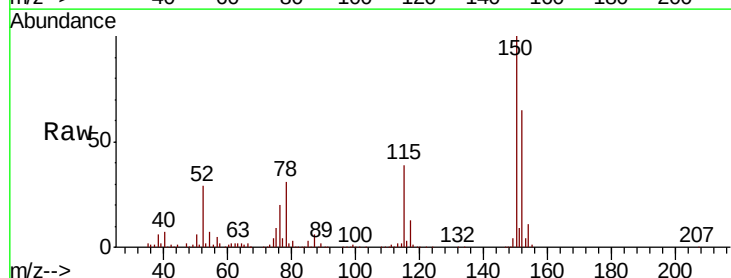
Tgt Ion:152 Resp: 156000

Ion Ratio Lower Upper

152 100

115 63.0 45.0 134.8

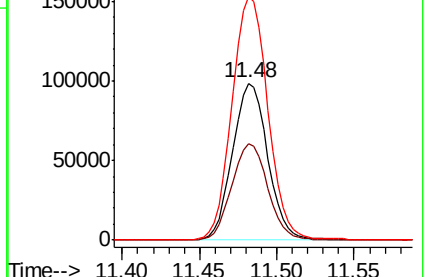
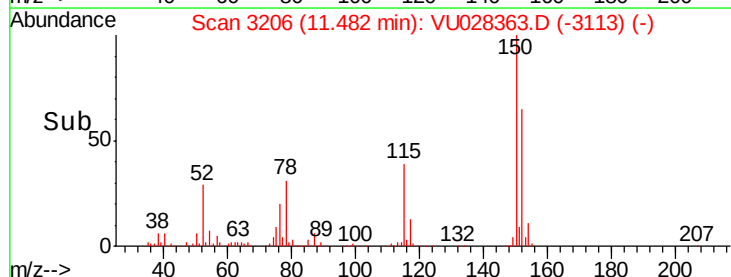
150 158.4 0.0 349.2

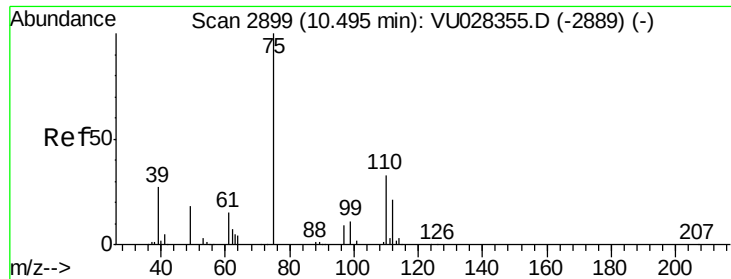


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 24.214 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU028363.D

Acq: 28 Nov 2018 14:07

Instrument :

MSVOA_U

ClientSampleId :

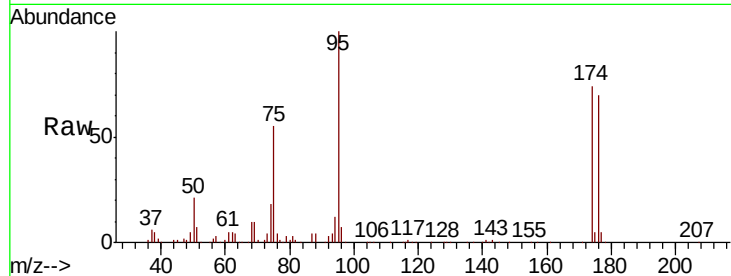
S49-EB-2018-1

Tot Ion: 75 Resp: 104750

Ion Ratio Lower Upper

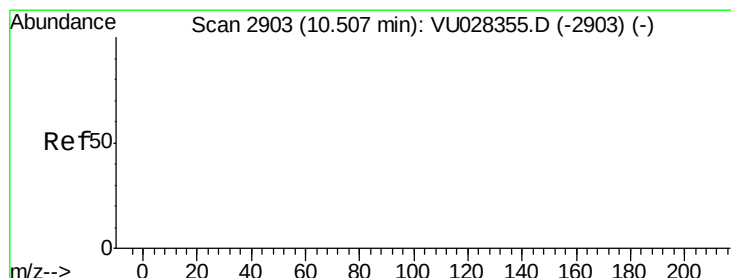
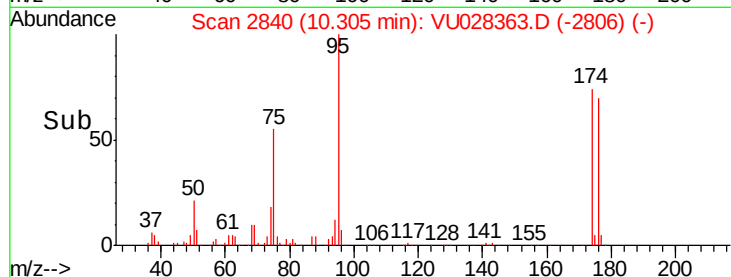
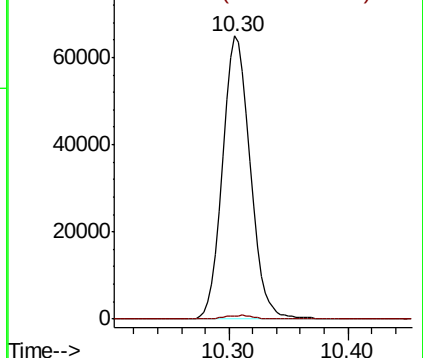
75 100

77 1.4 22.4 67.0#



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: 64.276 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.20 min

Lab File: VU028363.D

Acq: 28 Nov 2018 14:07

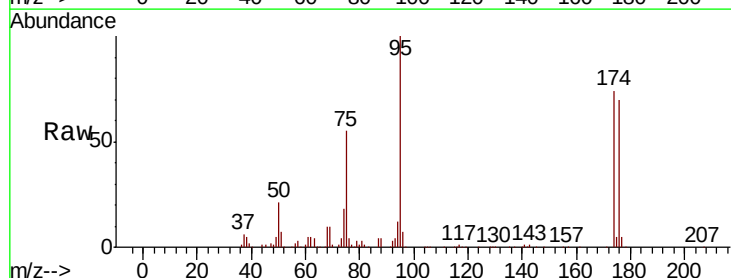
Tgt Ion: 75 Resp: 104750

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

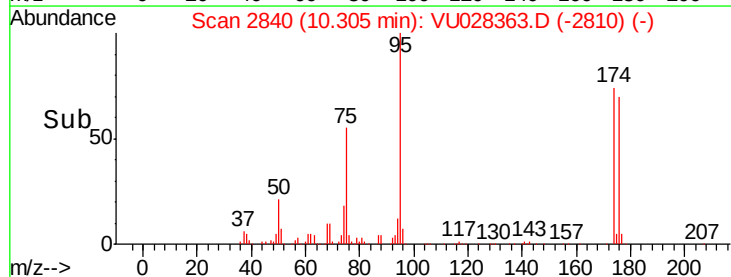
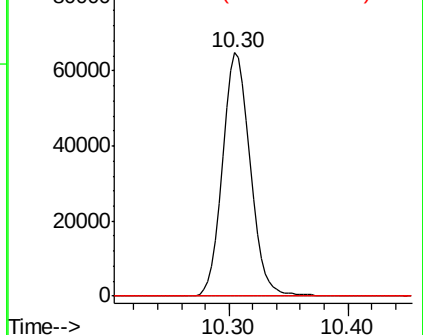
89 0.0 0.0 0.0

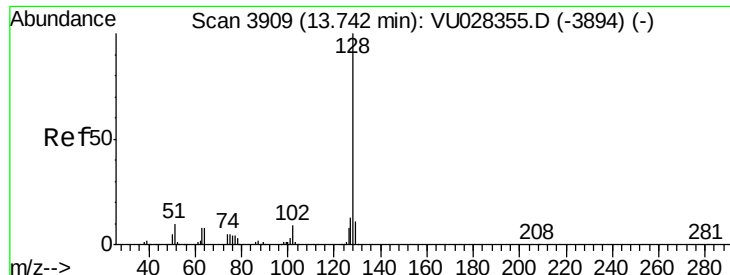


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0





#95
Naphthalene
Concen: 2.840 ug/l
RT: 13.75 min Scan# 3910
Delta R.T. 0.00 min
Lab File: VU028363.D
Acq: 28 Nov 2018 14:07

Instrument :
MSVOA_U
ClientSampleId :
S49-EB-2018-1

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	15.8#
129	0.0	8.6	12.8#

