

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120518\
 Data File : VU028484.D
 Acq On : 05 Dec 2018 16:44
 Operator : MD/SY
 Sample : J6208-10RE
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TP-3RE

Quant Time: Dec 06 01:35:48 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	360512	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	664614	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	619126	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	298183	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	286197	47.50	ug/l	0.00
Spiked Amount			Recovery	=	95.00%	
35) Dibromofluoromethane	4.88	113	87672	19.84	ug/l	0.00
Spiked Amount			Recovery	=	39.68%	
50) Toluene-d8	7.57	98	857791	48.53	ug/l	0.00
Spiked Amount			Recovery	=	97.06%	
62) 4-Bromofluorobenzene	10.30	95	315791	49.57	ug/l	0.00
Spiked Amount			Recovery	=	99.14%	

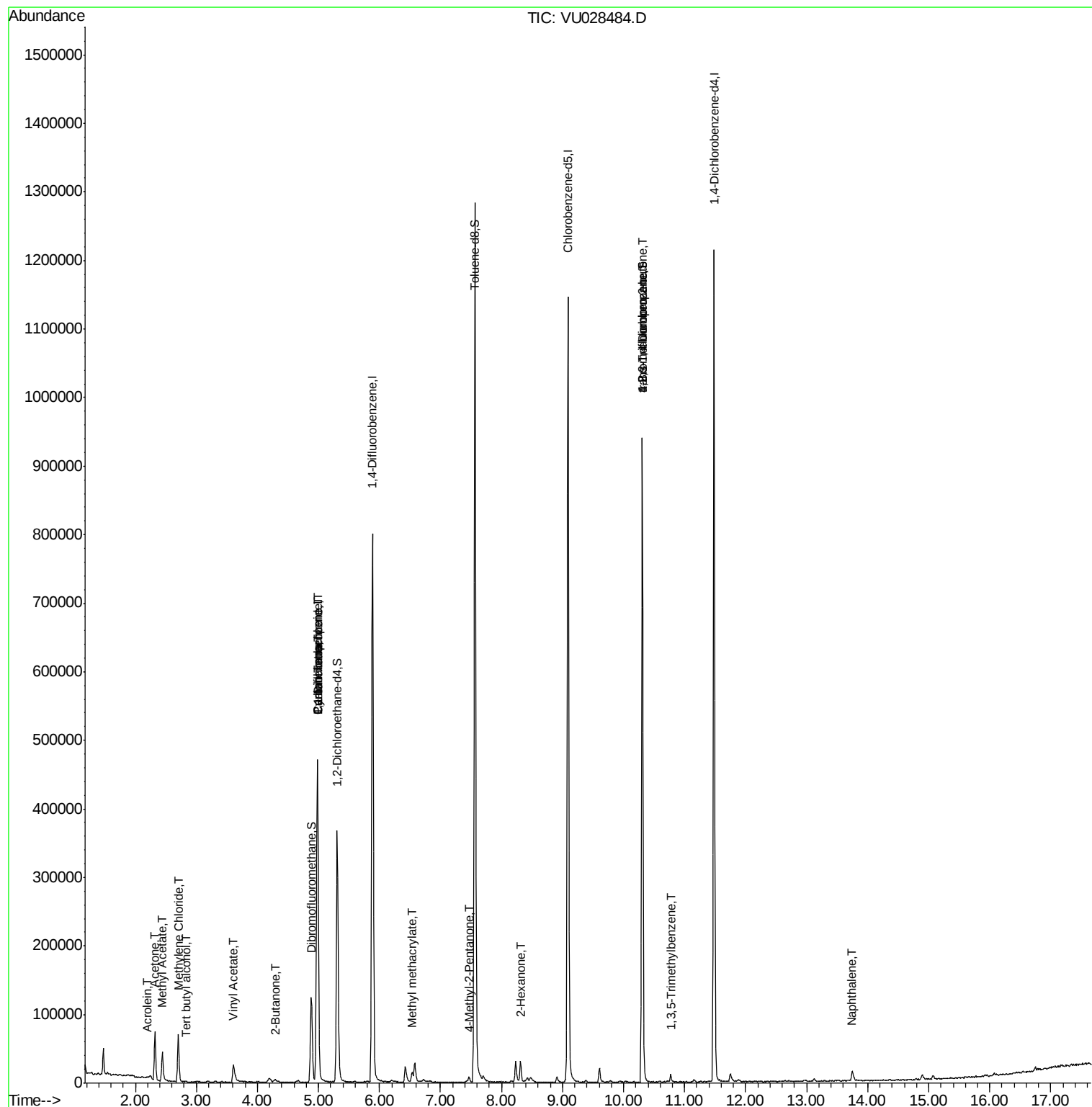
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.84	59	775	0.566	ug/l #	72
13) Acrolein	2.20	56	389	0.320	ug/l #	1
16) Acetone	2.32	43	76994	20.890	ug/l	98
18) Methyl Acetate	2.44	43	9425	0.918	ug/l #	58
20) Methylene Chloride	2.70	84	28953	5.503	ug/l	89
23) Vinyl Acetate	3.60	43	4512	0.274	ug/l #	77
25) 2-Butanone	4.29	43	6403	1.212	ug/l	93
31) Cyclohexane	4.98	56	7110	0.326	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	31294	4.303	ug/l #	50
38) Carbon Tetrachloride	4.98	117	34847	5.835	ug/l #	16
48) Methyl methacrylate	6.54	41	20996	2.566	ug/l #	24
51) 4-Methyl-2-Pentanone	7.47	43	5418	0.540	ug/l	94
59) 2-Hexanone	8.31	43	25592	3.294	ug/l #	27
76) 1,2,3-Trichloropropane	10.30	75	158813	19.206	ug/l #	33
80) 1,3,5-Trimethylbenzene	10.77	105	6091	0.312	ug/l	94
81) trans-1,4-Dichloro-2-buten	10.30	75	158813	50.983	ug/l #	100
95) Naphthalene	13.75	128	15492	3.418	ug/l	95

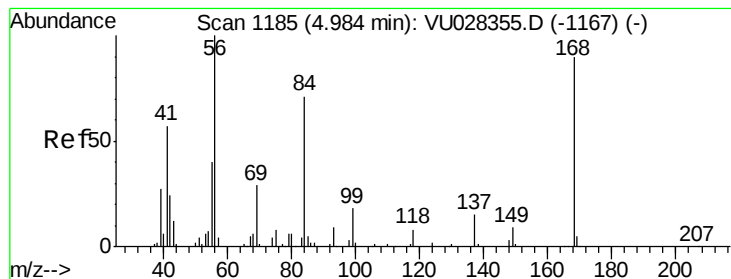
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VU028484.D

Acq: 05 Dec 2018 16:44

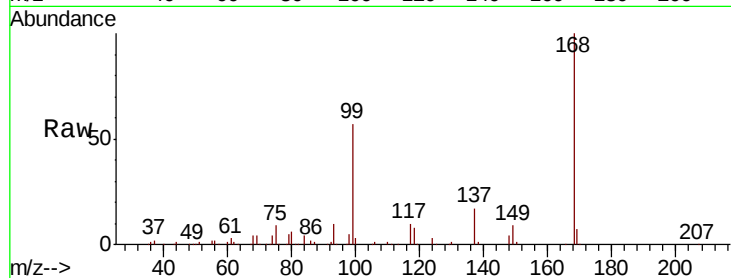
Instrument :
MSVOA_U
ClientSampleId :
TP-3RE

Tot Ion:168 Resp: 360512

Ion Ratio Lower Upper

168 100

99 57.2 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

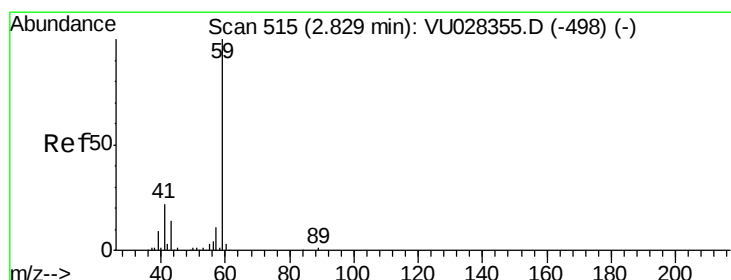
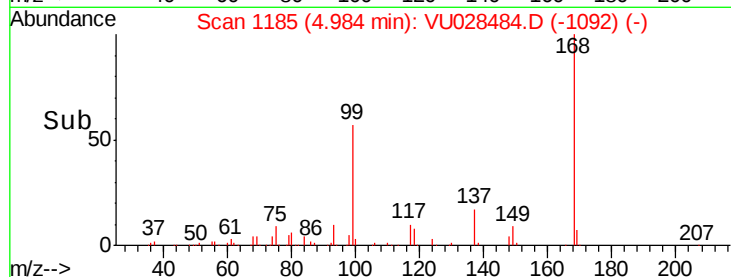
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.566 ug/l

RT: 2.84 min Scan# 517

Delta R.T. 0.01 min

Lab File: VU028484.D

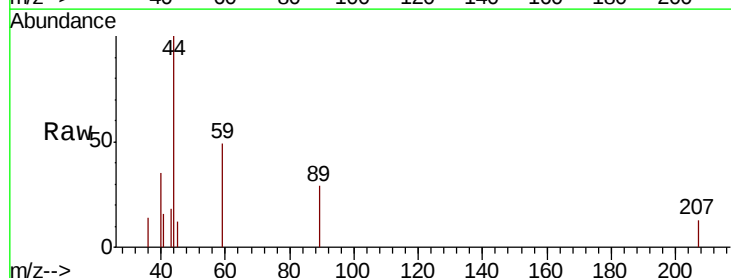
Acq: 05 Dec 2018 16:44

Tgt Ion: 59 Resp: 775

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VU028355.D (-498) (-)

Ion 57.00 (56.70 to 57.70): VU028355.D (-498) (-)

2.84

500

400

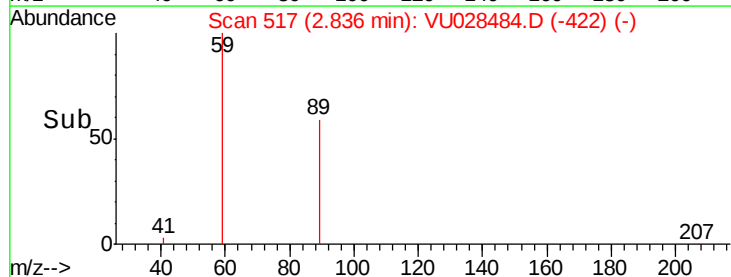
300

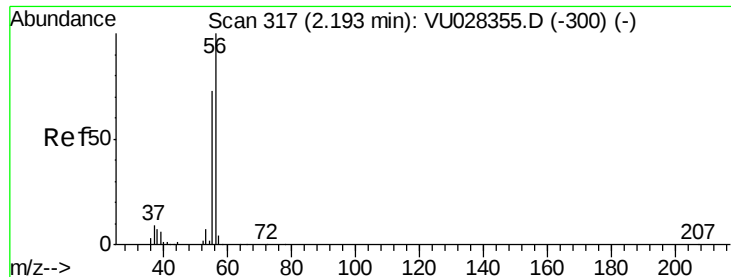
200

100

0

Time-->





#13

Acrolein

Concen: 0.320 ug/l

RT: 2.20 min Scan# 320

Delta R.T. 0.01 min

Lab File: VU028484.D

Acq: 05 Dec 2018 16:44

Instrument :

MSVOA_U

ClientSampled :

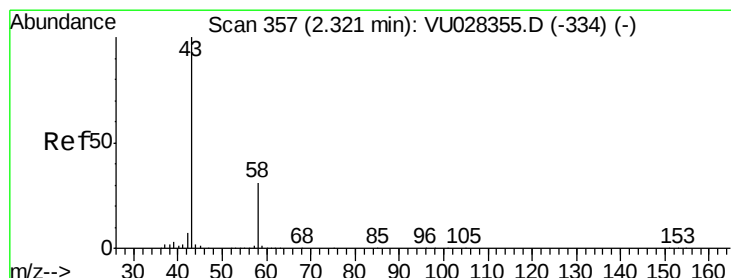
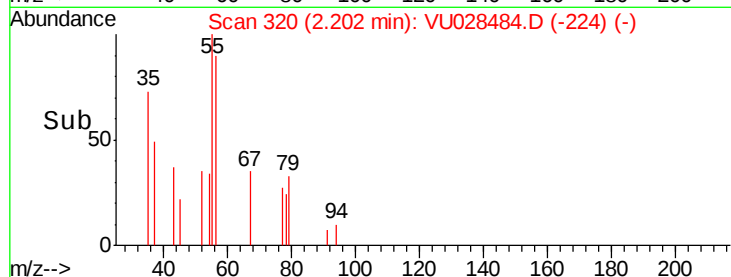
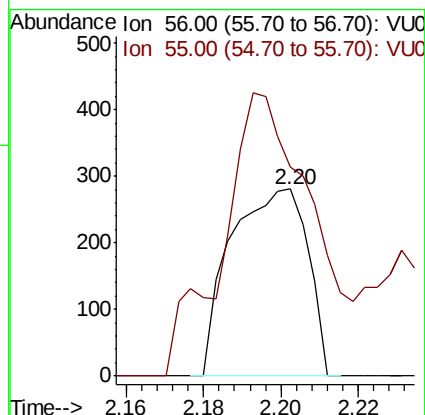
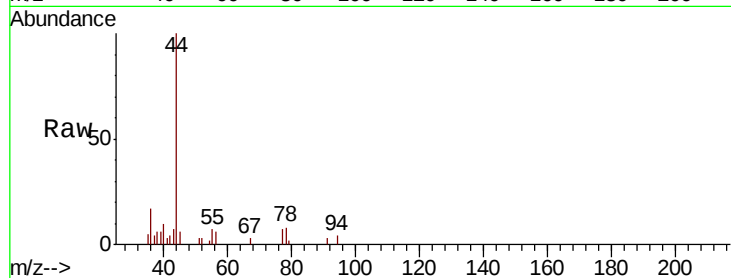
TP-3RE

Tot Ion: 56 Resp: 389

Ion Ratio Lower Upper

56 100

55 174.8 56.6 85.0#



#16

Acetone

Concen: 20.890 ug/l

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU028484.D

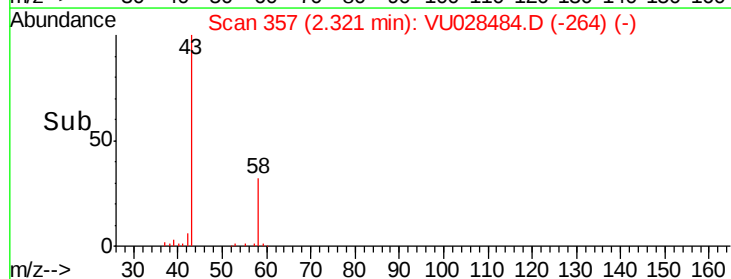
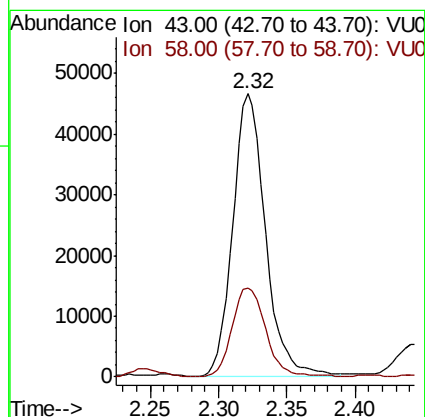
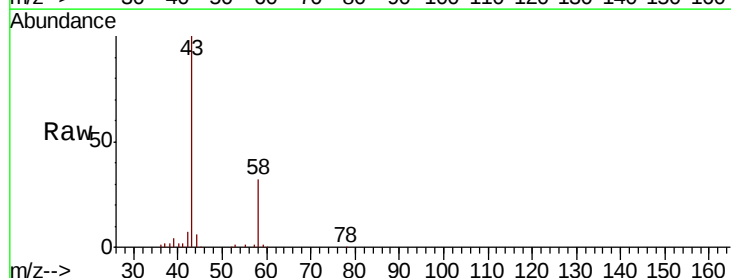
Acq: 05 Dec 2018 16:44

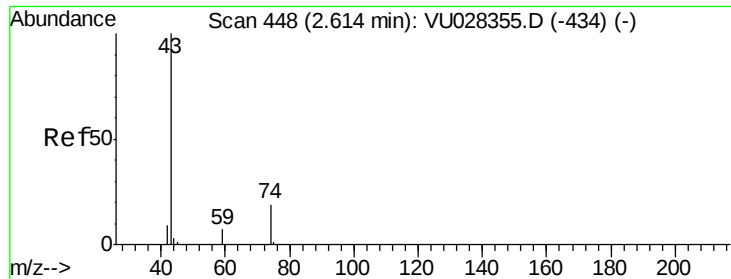
Tgt Ion: 43 Resp: 76994

Ion Ratio Lower Upper

43 100

58 31.7 24.4 36.6

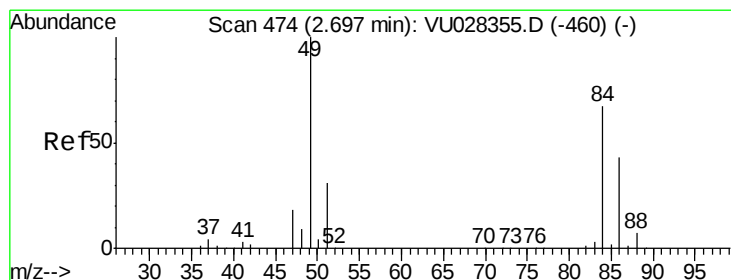
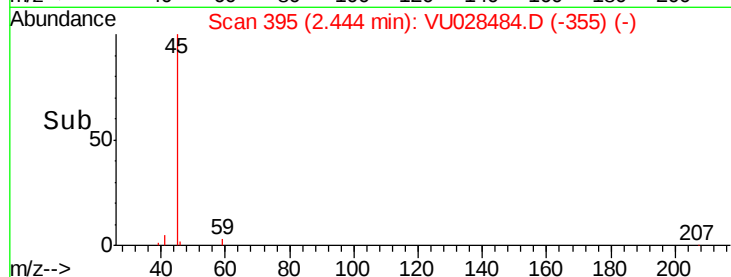
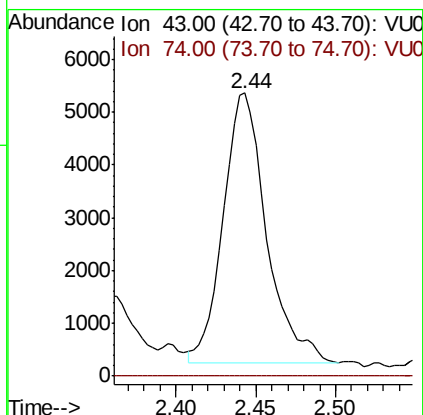
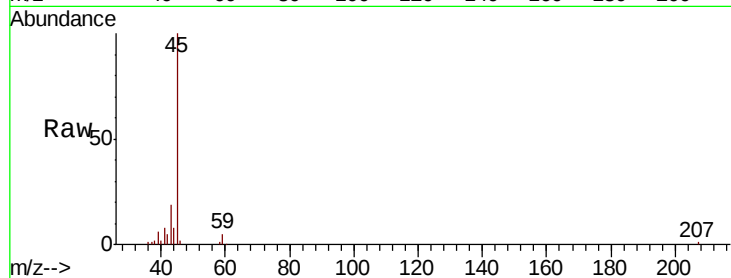




#18
Methyl Acetate
Concen: 0.918 ug/l
RT: 2.44 min Scan# 395
Delta R.T. -0.17 min
Lab File: VU028484.D
Acq: 05 Dec 2018 16:44

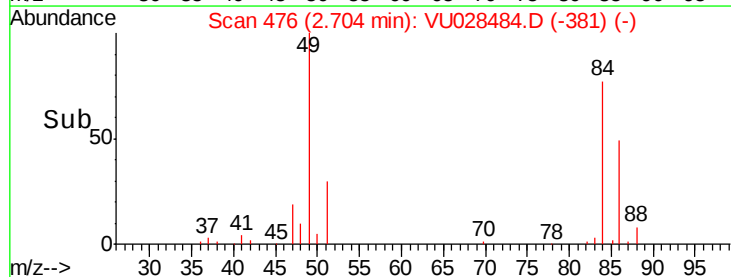
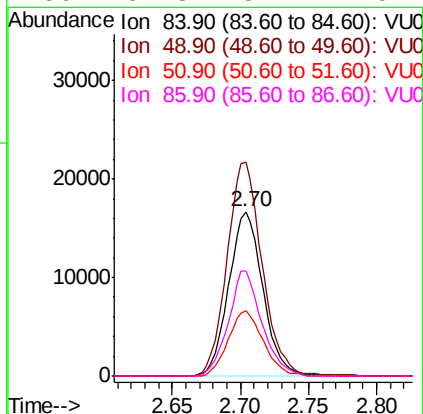
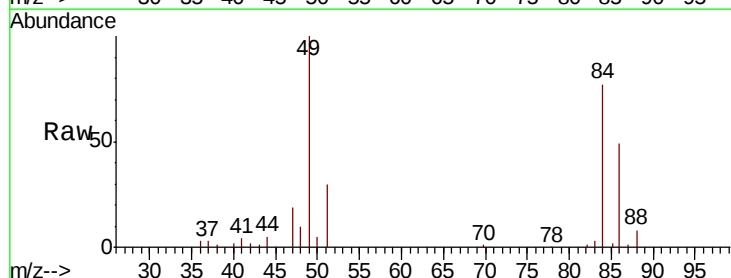
Instrument :
MSVOA_U
ClientSampleId :
TP-3RE

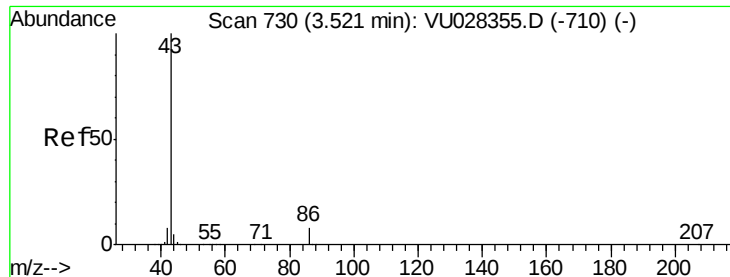
Tot Ion: 43 Resp: 9425
Ion Ratio Lower Upper
43 100
74 0.0 15.3 22.9#



#20
Methylene Chloride
Concen: 5.503 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.01 min
Lab File: VU028484.D
Acq: 05 Dec 2018 16:44

Tgt Ion: 84 Resp: 28953
Ion Ratio Lower Upper
84 100
49 130.1 120.0 180.0
51 39.5 36.9 55.3
86 64.3 51.1 76.7





#23

Vinyl Acetate

Concen: 0.274 ug/l

RT: 3.60 min Scan# 755

Delta R.T. 0.08 min

Lab File: VU028484.D

Acq: 05 Dec 2018 16:44

Instrument :

MSVOA_U

ClientSampleId :

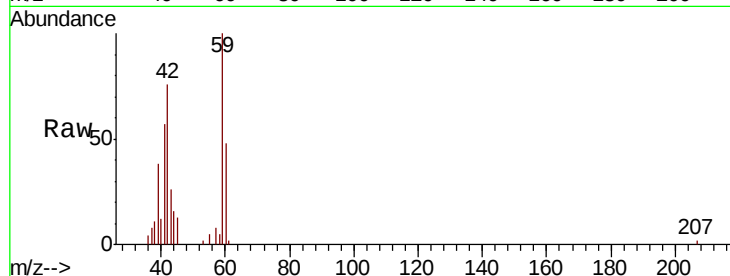
TP-3RE

Tot Ion: 43 Resp: 4512

Ion Ratio Lower Upper

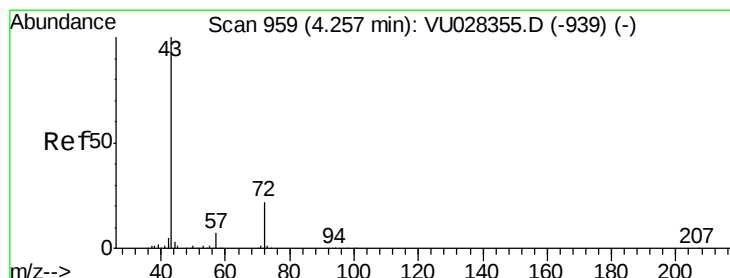
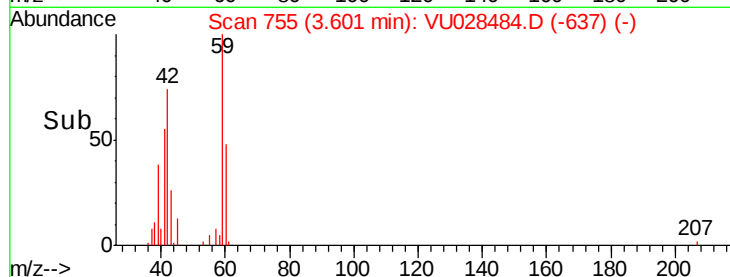
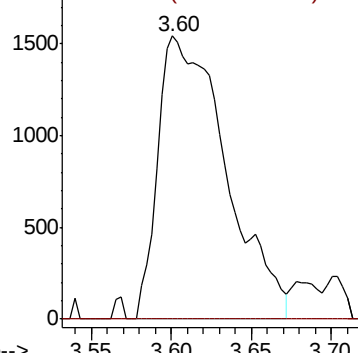
43 100

86 0.0 6.5 9.7#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#25

2-Butanone

Concen: 1.212 ug/l

RT: 4.29 min Scan# 969

Delta R.T. 0.03 min

Lab File: VU028484.D

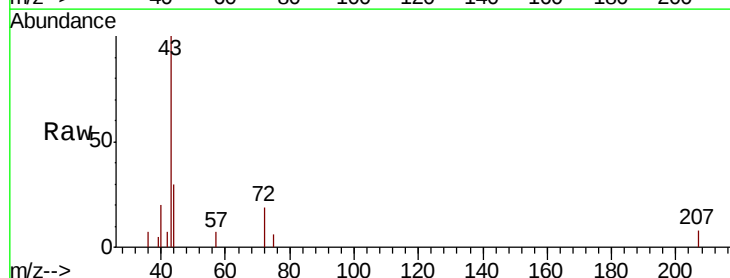
Acq: 05 Dec 2018 16:44

Tgt Ion: 43 Resp: 6403

Ion Ratio Lower Upper

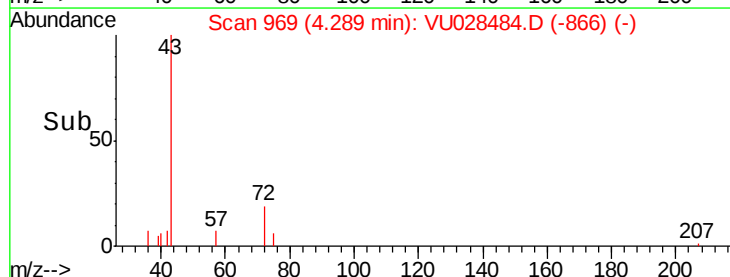
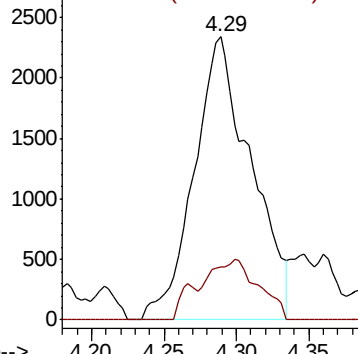
43 100

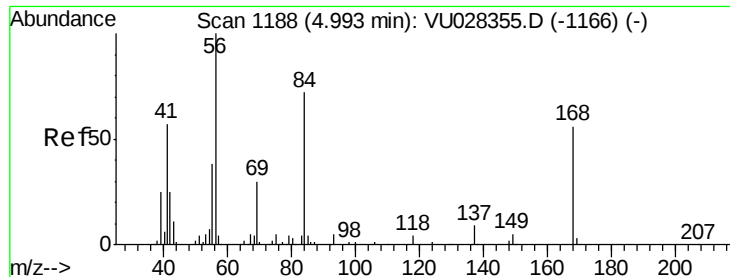
72 18.6 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

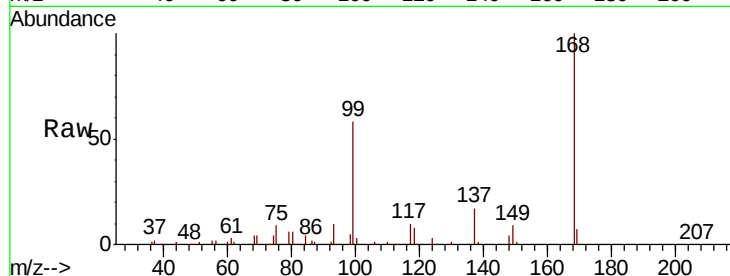




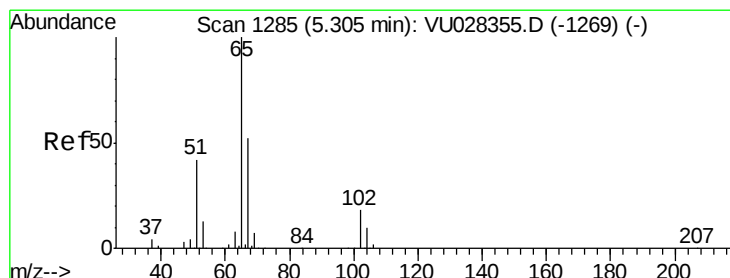
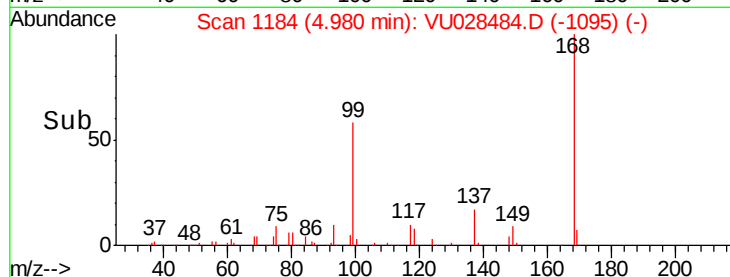
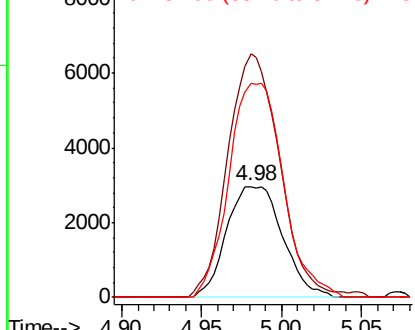
#31
Cyclohexane
Concen: 0.326 ug/l
RT: 4.98 min Scan# 1184
Delta R.T. -0.01 min
Lab File: VU028484.D
Acq: 05 Dec 2018 16:44

Instrument :
MSVOA_U
ClientSampled :
TP-3RE

Tot Ion: 56 Resp: 7110
Ion Ratio Lower Upper
56 100
69 219.4 23.7 35.5#
84 193.0 57.3 85.9#

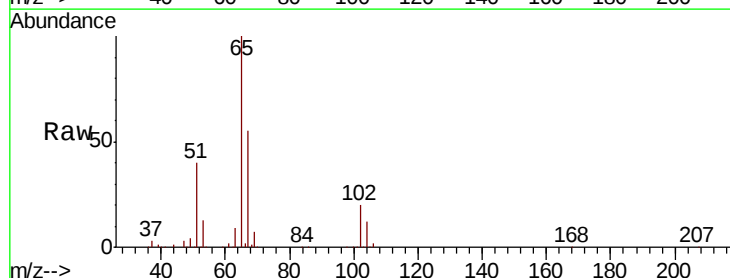


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

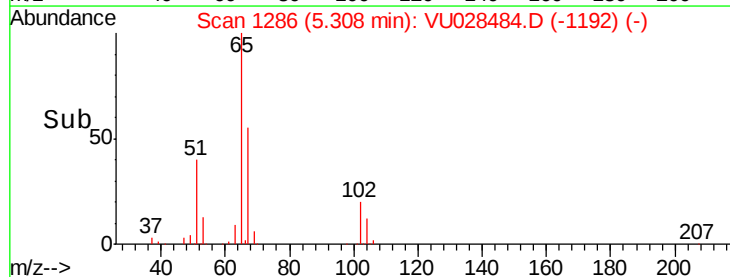
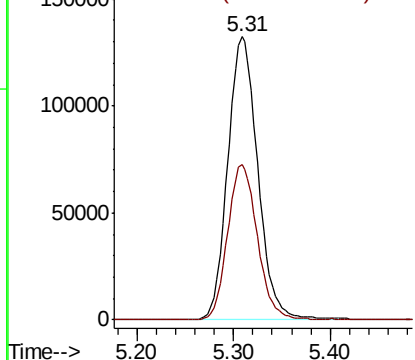


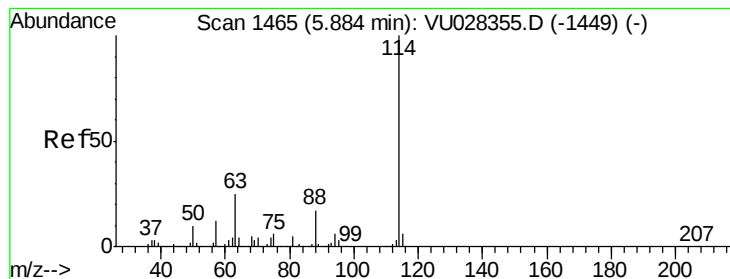
#33
1,2-Dichloroethane-d4
Concen: 47.501 ug/l
RT: 5.31 min Scan# 1286
Delta R.T. 0.00 min
Lab File: VU028484.D
Acq: 05 Dec 2018 16:44

Tgt Ion: 65 Resp: 286197
Ion Ratio Lower Upper
65 100
67 54.2 0.0 106.8



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# 1466

Delta R.T. 0.00 min

Lab File: VU028484.D

Acq: 05 Dec 2018 16:44

Instrument :

MSVOA_U

ClientSampleId :

TP-3RE

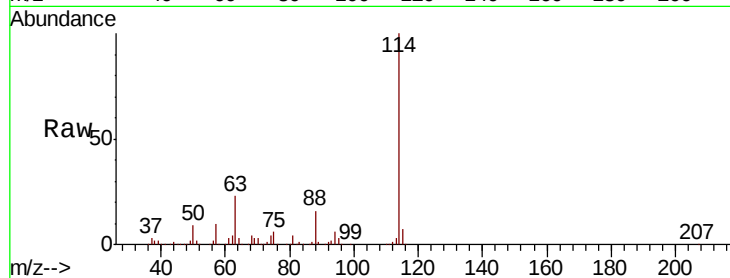
Tot Ion:114 Resp: 664614

Ion Ratio Lower Upper

114 100

63 23.0 0.0 50.0

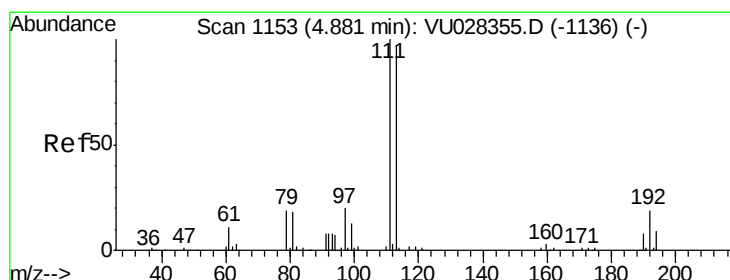
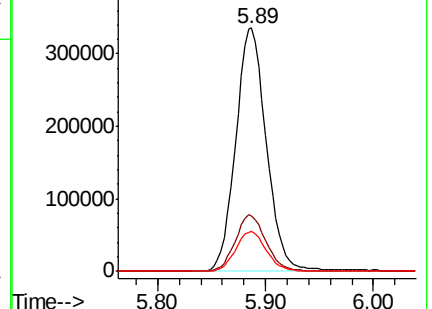
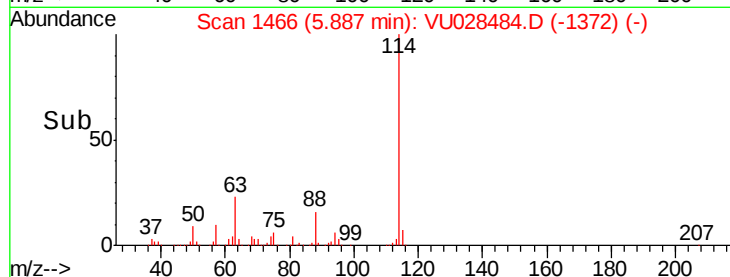
88 16.3 0.0 34.4



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: 19.838 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VU028484.D

Acq: 05 Dec 2018 16:44

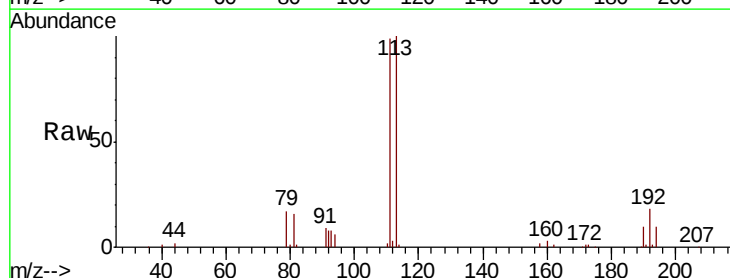
Tgt Ion:113 Resp: 87672

Ion Ratio Lower Upper

113 100

111 100.6 82.9 124.3

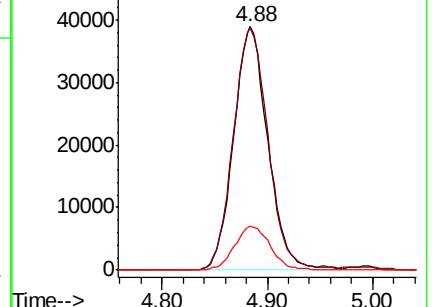
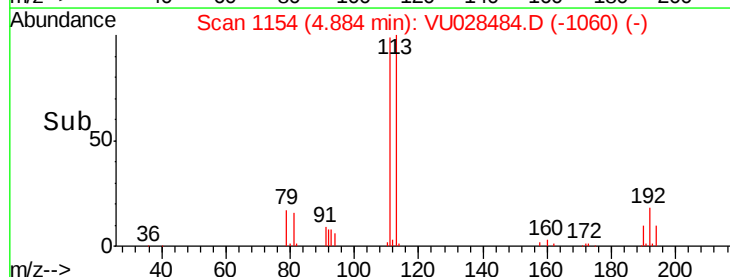
192 18.8 15.4 23.0

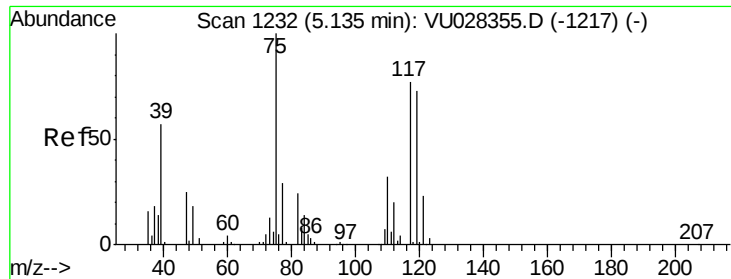


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

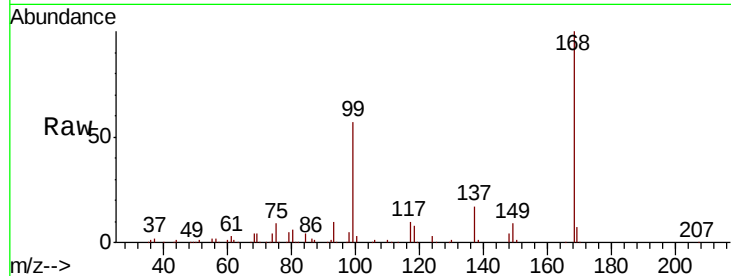




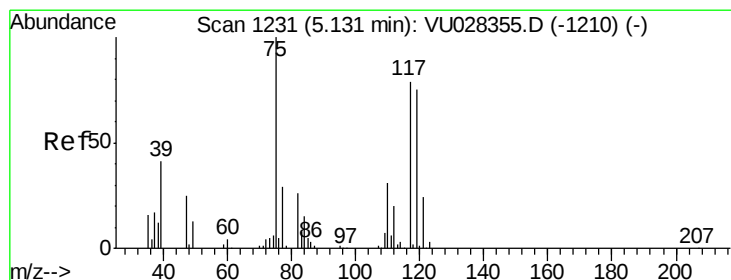
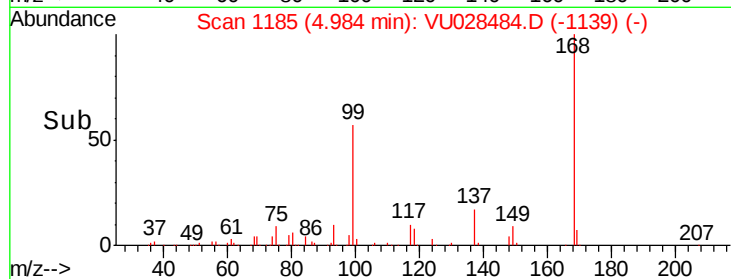
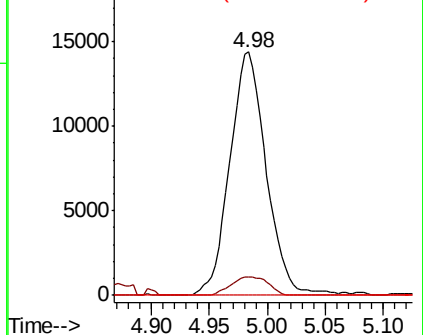
#36
 1,1-Dichloropropene
 Concen: 4.303 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU028484.D
 Acq: 05 Dec 2018 16:44

Instrument :
 MSVOA_U
 ClientSampleId :
 TP-3RE

Tot Ion: 75 Resp: 31294
 Ion Ratio Lower Upper
 75 100
 110 7.7 15.8 47.4#
 77 0.0 24.6 36.8#

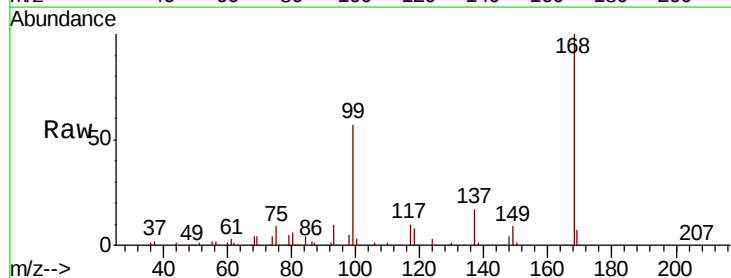


Abundance Ion 74.90 (74.60 to 75.60): VU028355.D (-1217) (-)
 Ion 109.90 (109.60 to 110.60): VU028355.D (-1217) (-)
 Ion 76.90 (76.60 to 77.60): VU028355.D (-1217) (-)

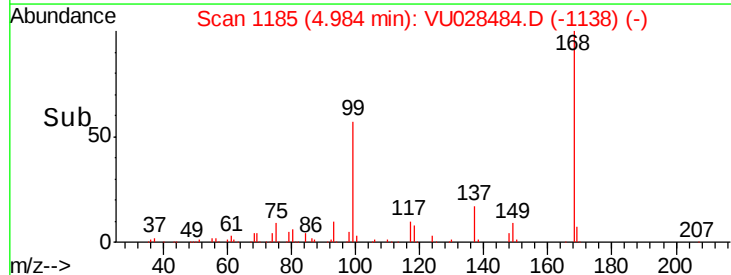
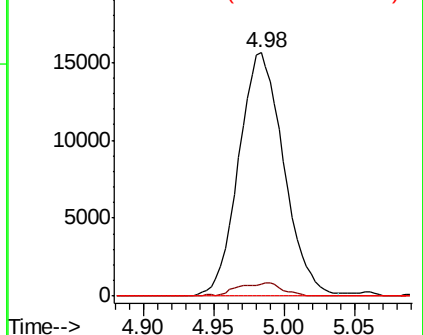


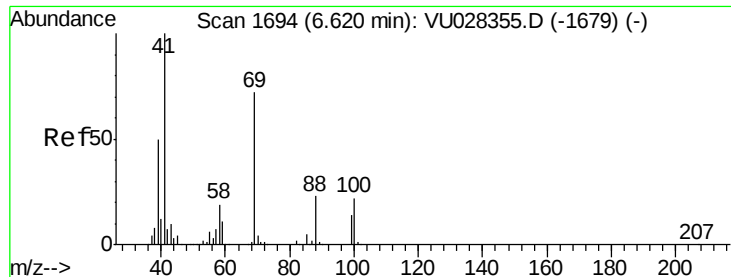
#38
 Carbon Tetrachloride
 Concen: 5.835 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU028484.D
 Acq: 05 Dec 2018 16:44

Tgt Ion: 117 Resp: 34847
 Ion Ratio Lower Upper
 117 100
 119 4.7 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) (-)

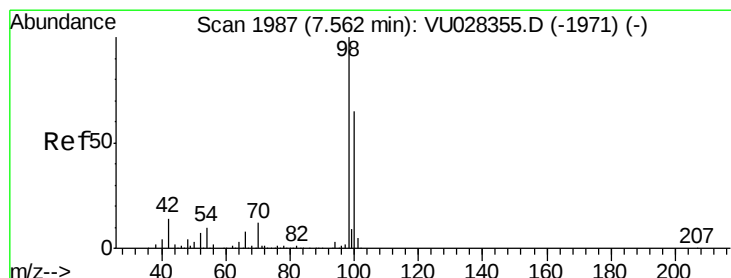
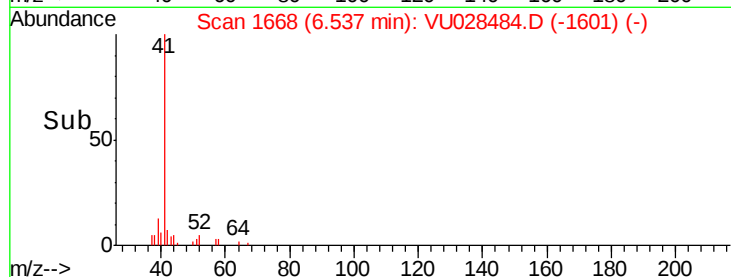
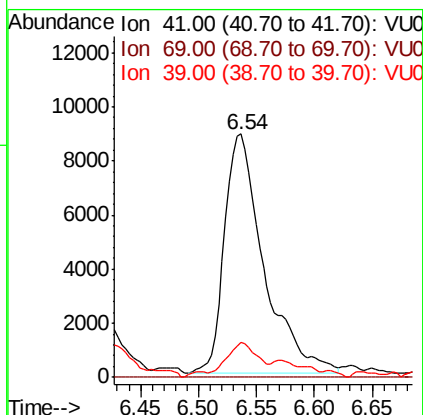
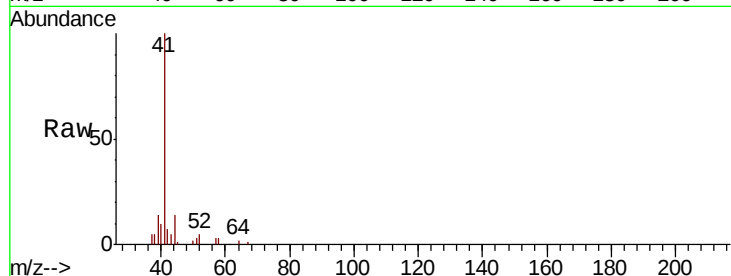




#48
Methvl methacrylate
Concen: 2.566 ug/l
RT: 6.54 min Scan# 1668
Delta R.T. -0.08 min
Lab File: VU028484.D
Acq: 05 Dec 2018 16:44

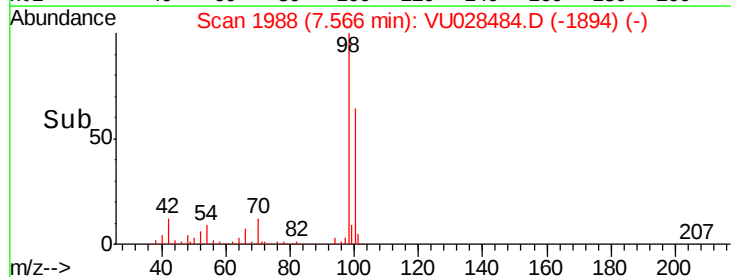
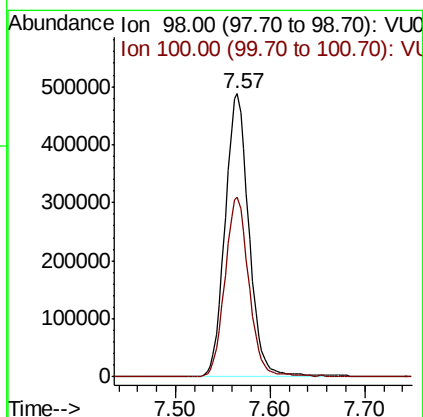
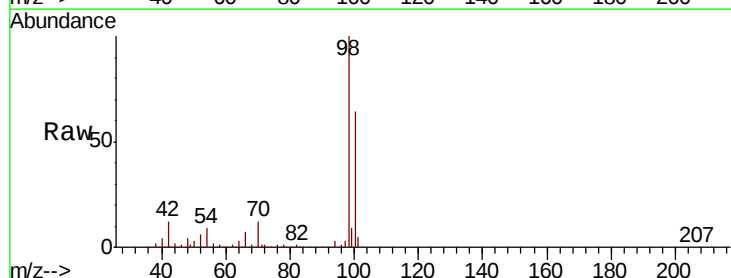
Instrument :
MSVOA_U
ClientSampleId :
TP-3RE

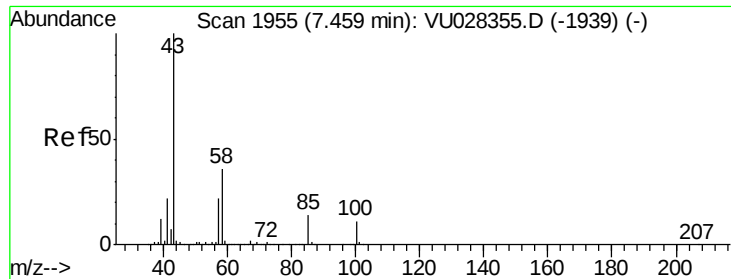
Tot Ion: 41 Resp: 20996
Ion Ratio Lower Upper
41 100
69 0.0 59.0 88.4#
39 9.4 40.5 60.7#



#50
Toluene-d8
Concen: 48.533 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU028484.D
Acq: 05 Dec 2018 16:44

Tgt Ion: 98 Resp: 857791
Ion Ratio Lower Upper
98 100
100 64.0 50.8 76.2

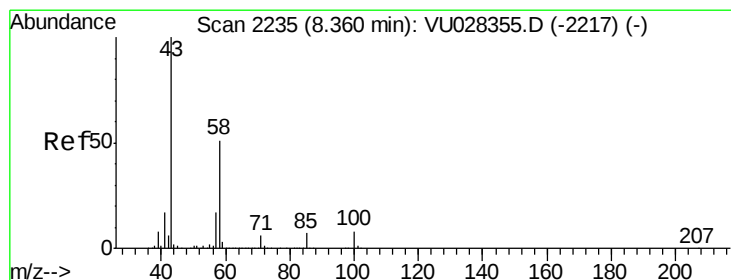
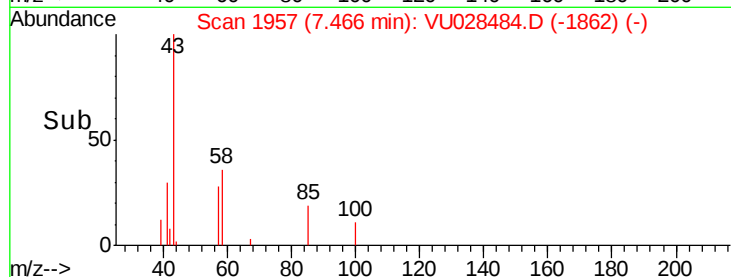
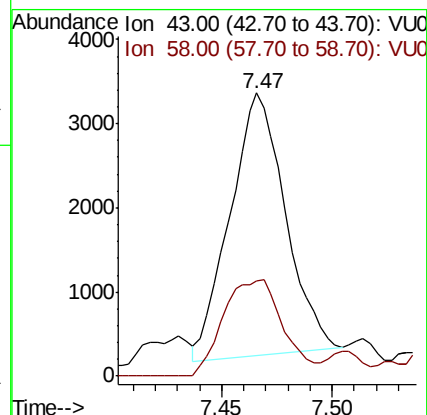
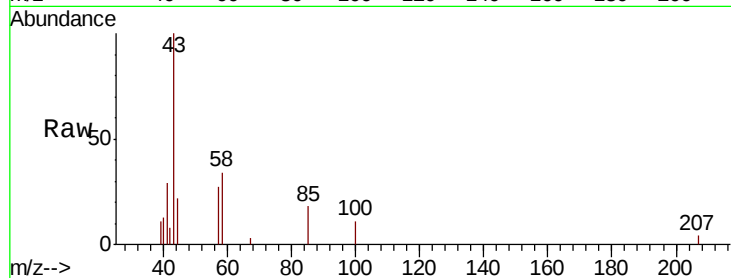




#51
 4-Methyl-2-Pentanone
 Concen: 0.540 ug/l
 RT: 7.47 min Scan# 1957
 Delta R.T. 0.01 min
 Lab File: VU028484.D
 Acq: 05 Dec 2018 16:44

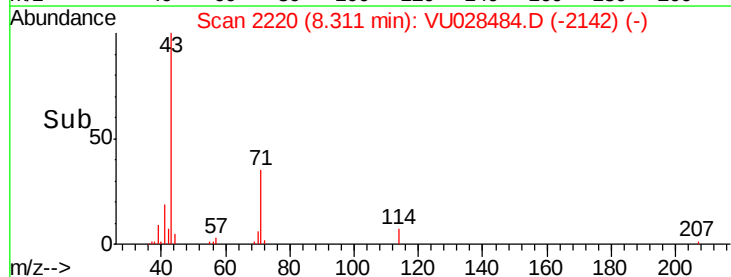
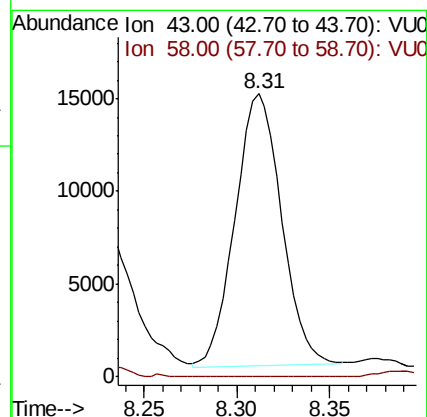
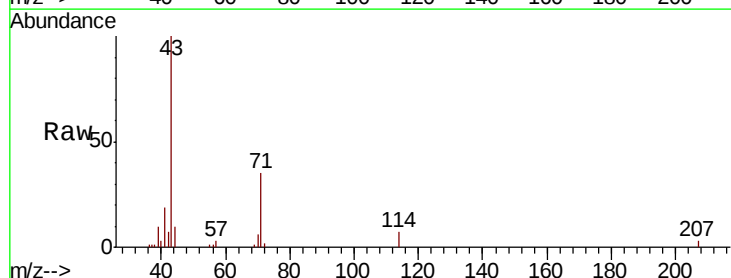
Instrument :
 MSVOA_U
 ClientSampleId :
 TP-3RE

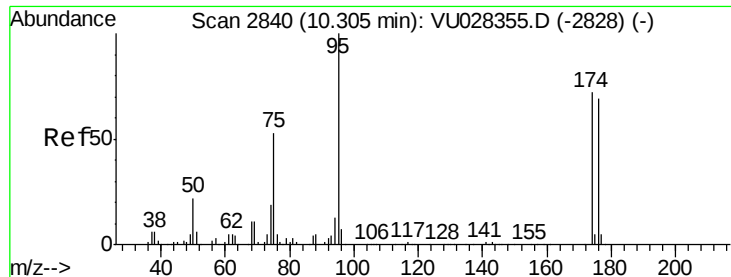
Tot Ion: 43 Resp: 5418
 Ion Ratio Lower Upper
 43 100
 58 39.5 28.8 43.2



#59
 2-Hexanone
 Concen: 3.294 ug/l
 RT: 8.31 min Scan# 2220
 Delta R.T. -0.05 min
 Lab File: VU028484.D
 Acq: 05 Dec 2018 16:44

Tgt Ion: 43 Resp: 25592
 Ion Ratio Lower Upper
 43 100
 58 0.0 25.5 76.5#





#62

4-Bromofluorobenzene

Concen: 49.572 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU028484.D

Acq: 05 Dec 2018 16:44

Instrument :

MSVOA_U

ClientSampled :

TP-3RE

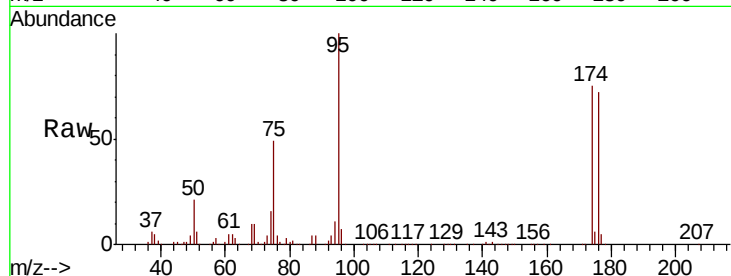
Tot Ion: 95 Resp: 315791

Ion Ratio Lower Upper

95 100

174 75.6 0.0 145.4

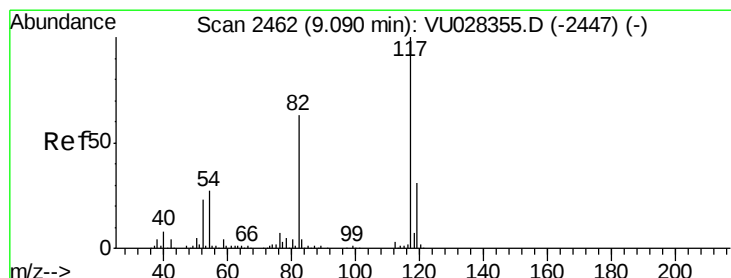
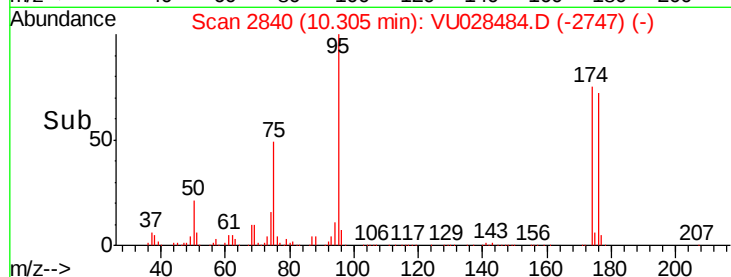
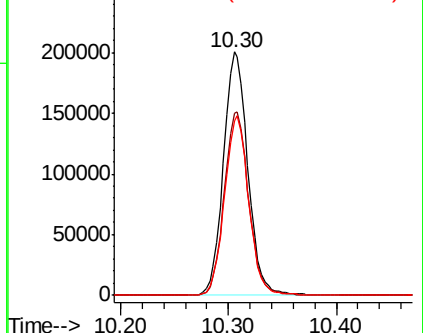
176 73.3 0.0 140.8



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# 2461

Delta R.T. -0.00 min

Lab File: VU028484.D

Acq: 05 Dec 2018 16:44

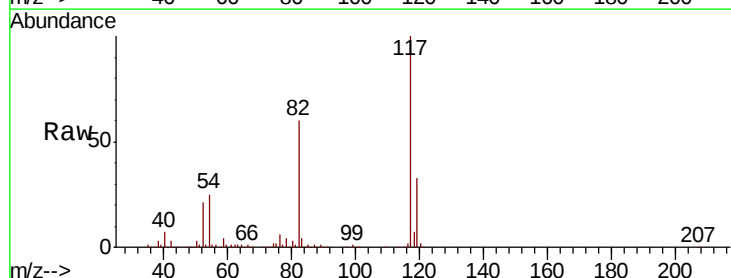
Tgt Ion: 117 Resp: 619126

Ion Ratio Lower Upper

117 100

82 60.3 50.3 75.5

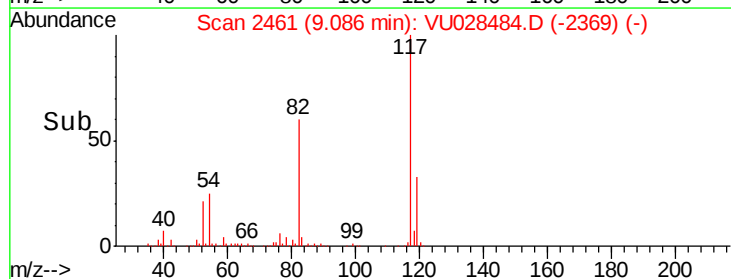
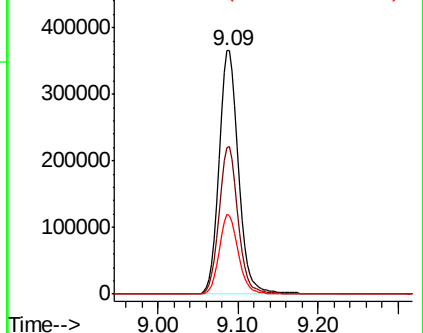
119 32.7 24.8 37.2

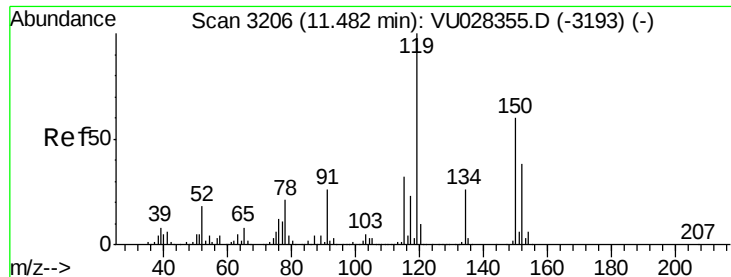


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VU0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU028484.D

Acq: 05 Dec 2018 16:44

Instrument :

MSVOA_U

ClientSampleId :

TP-3RE

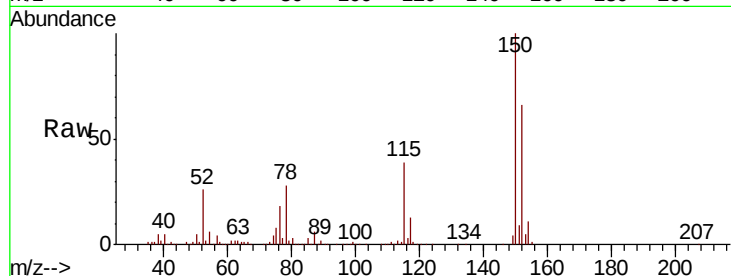
Tot Ion:152 Resp: 298183

Ion Ratio Lower Upper

152 100

115 59.3 45.0 134.8

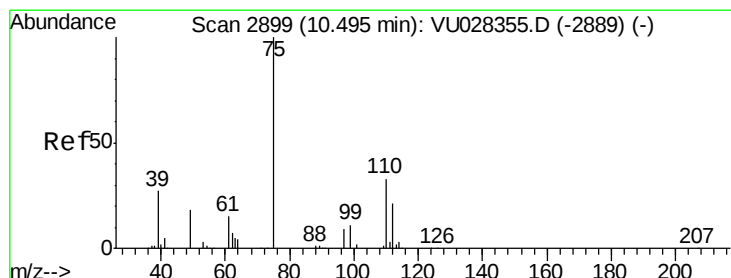
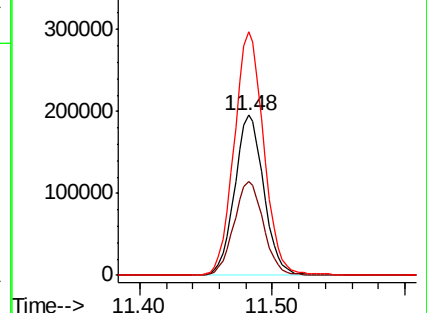
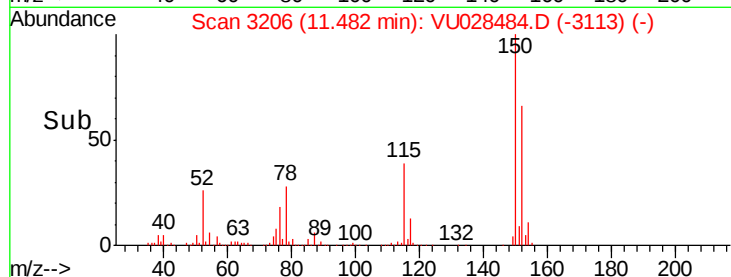
150 154.9 0.0 349.2



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: 19.206 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU028484.D

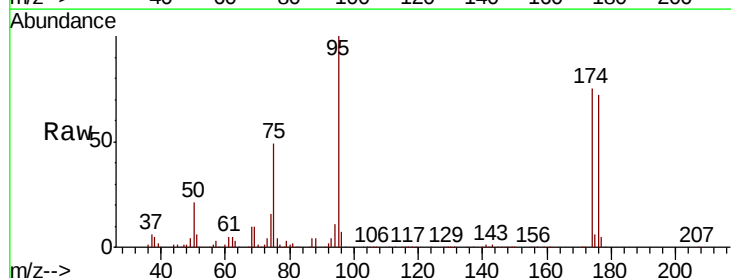
Acq: 05 Dec 2018 16:44

Tgt Ion: 75 Resp: 158813

Ion Ratio Lower Upper

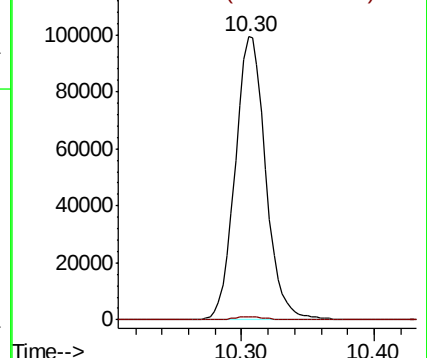
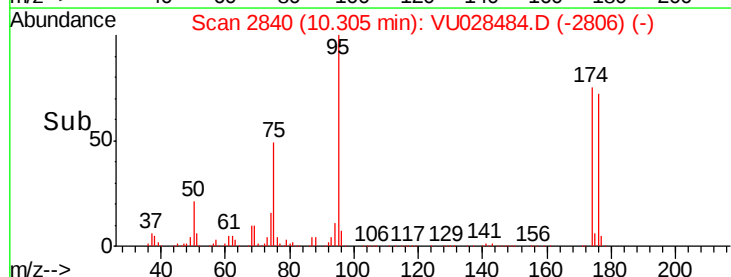
75 100

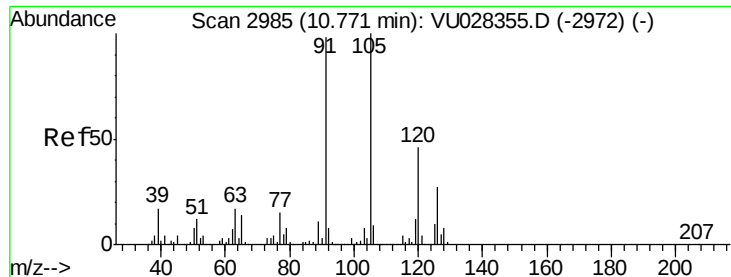
77 1.3 22.4 67.0#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

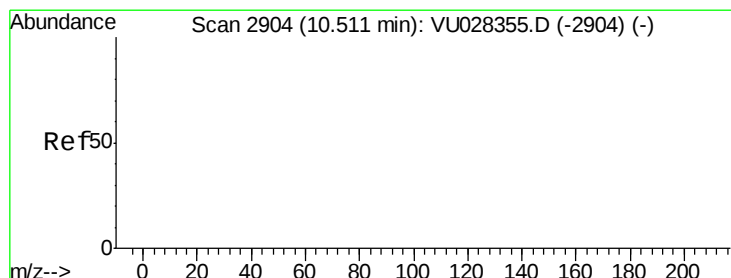
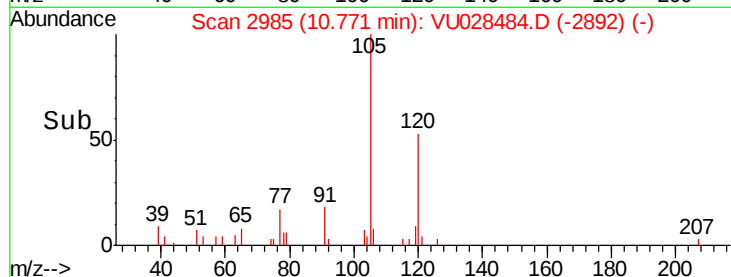
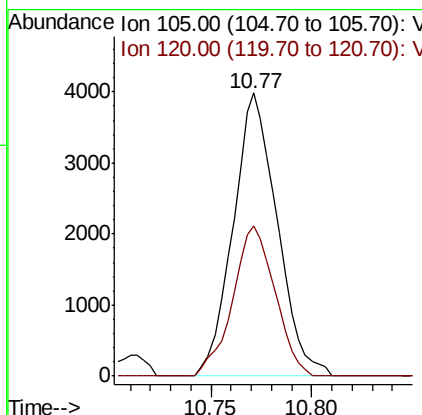
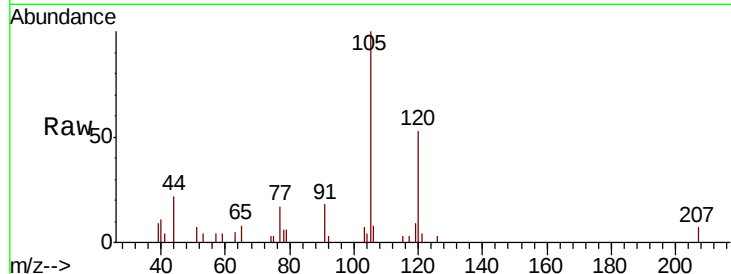




#80
 1,3,5-Trimethylbenzene
 Concen: 0.312 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. 0.00 min
 Lab File: VU028484.D
 Acq: 05 Dec 2018 16:44

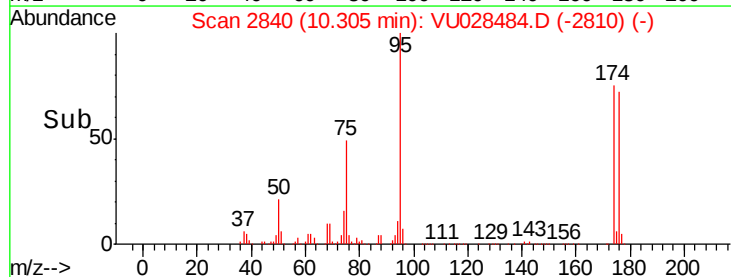
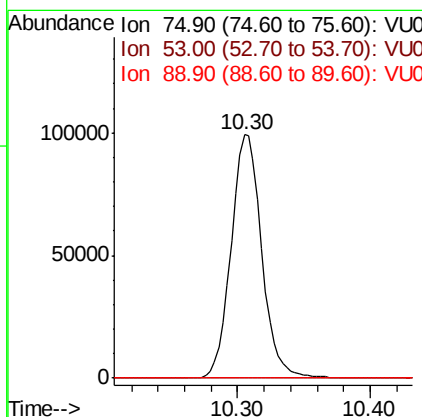
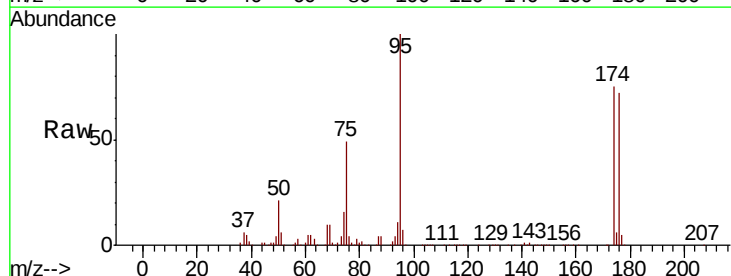
Instrument :
 MSVOA_U
 ClientSampled :
 TP-3RE

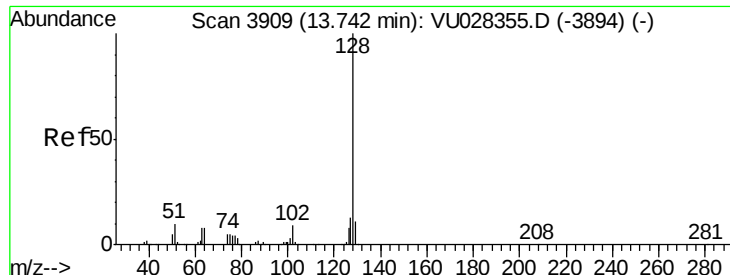
Tot Ion:105 Resp: 6091
 Ion Ratio Lower Upper
 105 100
 120 50.7 23.4 70.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 50.983 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. -0.20 min
 Lab File: VU028484.D
 Acq: 05 Dec 2018 16:44

Tgt Ion: 75 Resp: 158813
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





#95

Naphthalene

Concen: 3.418 ug/l

RT: 13.75 min Scan# 3910

Delta R.T. 0.00 min

Lab File: VU028484.D

Acq: 05 Dec 2018 16:44

Instrument :

MSVOA_U

ClientSampleId :

TP-3RE

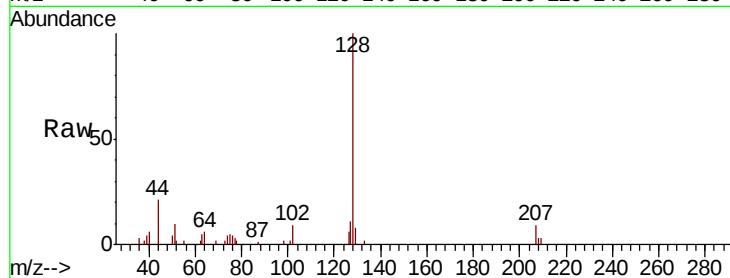
Tot Ion:128 Resp: 15492

Ion Ratio Lower Upper

128 100

127 11.0 10.6 15.8

129 9.4 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

