

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120518\
 Data File : VU028486.D
 Acq On : 05 Dec 2018 17:30
 Operator : MD/SY
 Sample : J6208-06RE
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TP-2RE

Quant Time: Dec 06 01:36:16 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	346406	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	643255	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	602932	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	285867	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	276571	47.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.54%	
35) Dibromofluoromethane	4.88	113	77388	18.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.18%	
50) Toluene-d8	7.57	98	837334	48.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.90%	
62) 4-Bromofluorobenzene	10.30	95	303866	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	

Target Compounds

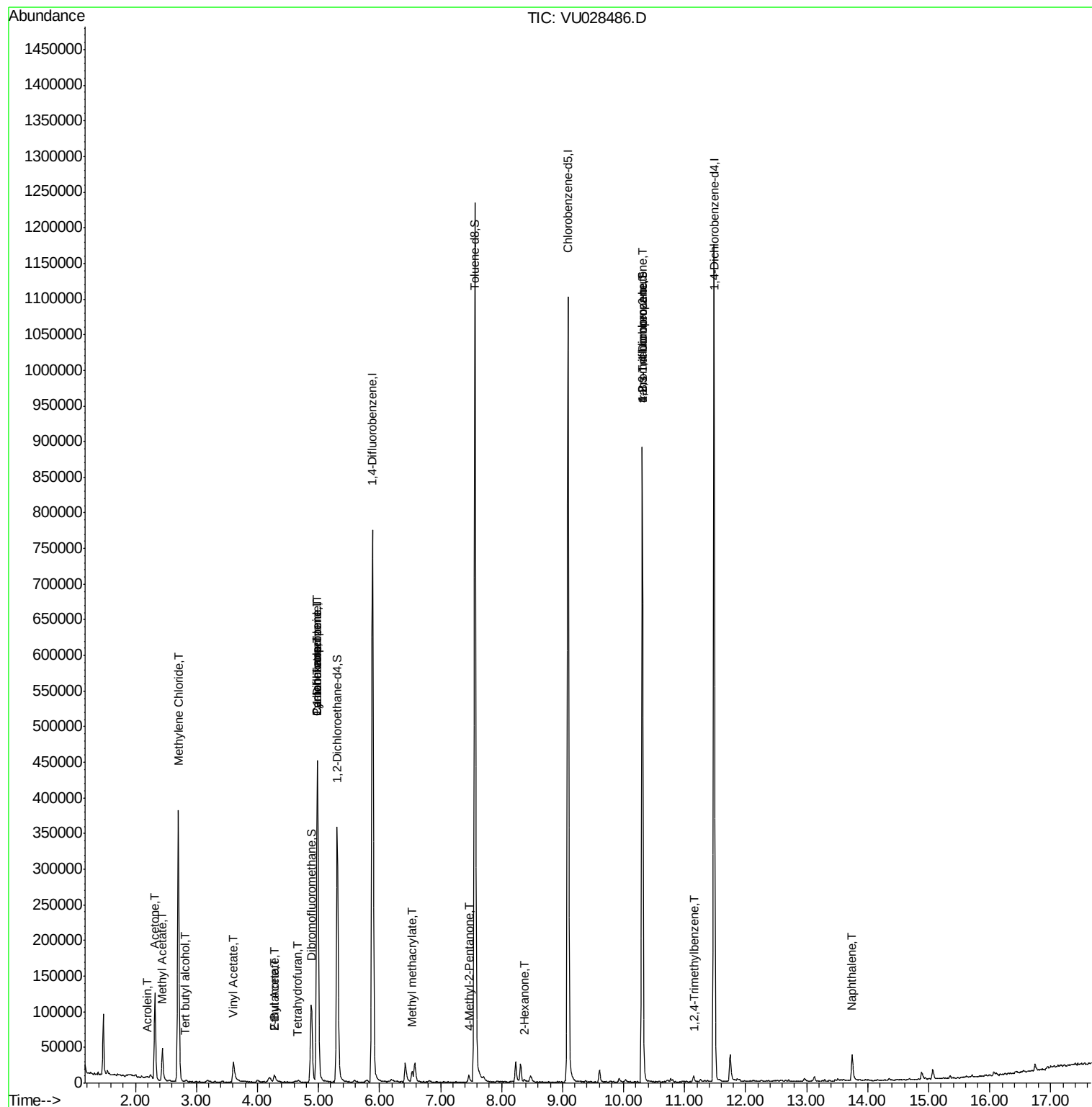
						Qvalue
11) Tert butyl alcohol	2.82	59	2715	2.064	ug/l #	83
13) Acrolein	2.20	56	323	0.276	ug/l #	1
16) Acetone	2.32	43	129156	36.470	ug/l	99
18) Methyl Acetate	2.44	43	10093	1.024	ug/l #	58
20) Methylene Chloride	2.70	84	160228	32.050	ug/l	92
23) Vinyl Acetate	3.61	43	3873	0.245	ug/l #	77
25) 2-Butanone	4.28	43	16464	3.244	ug/l	98
29) Tetrahydrofuran	4.66	42	783	0.238	ug/l #	58
31) Cyclohexane	4.98	56	7298	0.375	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	29509	4.192	ug/l #	46
37) Ethyl Acetate	4.28	43	16464	1.716	ug/l #	71
38) Carbon Tetrachloride	4.99	117	33257	5.754	ug/l #	15
48) Methyl methacrylate	6.53	41	17888	2.259	ug/l #	25
51) 4-Methyl-2-Pentanone	7.46	43	7399	0.762	ug/l	99
59) 2-Hexanone	8.37	43	2626	0.349	ug/l	76
76) 1,2,3-Trichloropropane	10.30	75	159276	20.092	ug/l #	33
81) trans-1,4-Dichloro-2-buten	10.30	75	159276	53.334	ug/l #	100
84) 1,2,4-Trimethylbenzene	11.15	105	4124	0.217	ug/l	67
95) Naphthalene	13.75	128	34790	4.199	ug/l	99

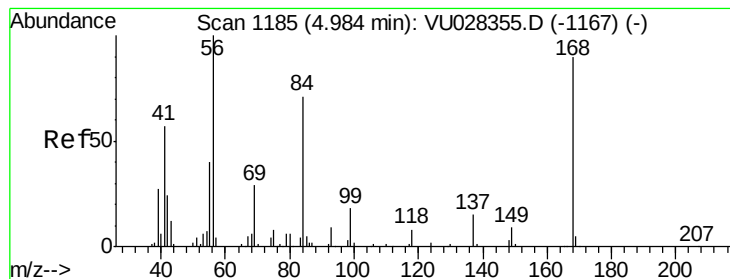
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1185

Delta R.T. -0.00 min

Lab File: VU028486.D

Acq: 05 Dec 2018 17:30

Instrument :

MSVOA_U

ClientSampleId :

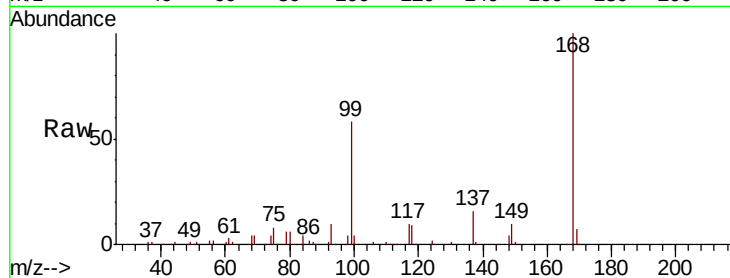
TP-2RE

Tot Ion:168 Resp: 346406

Ion Ratio Lower Upper

168 100

99 58.2 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

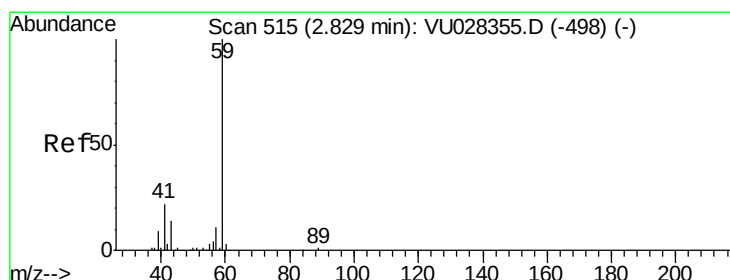
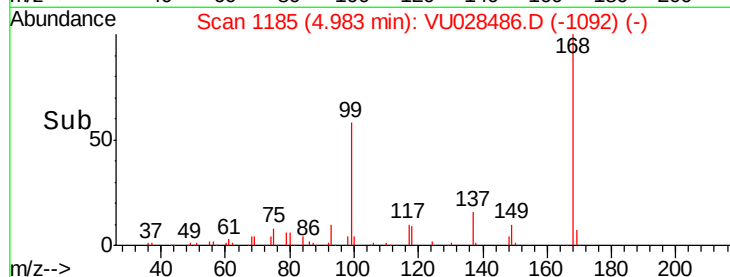
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.064 ug/l

RT: 2.82 min Scan# 512

Delta R.T. -0.01 min

Lab File: VU028486.D

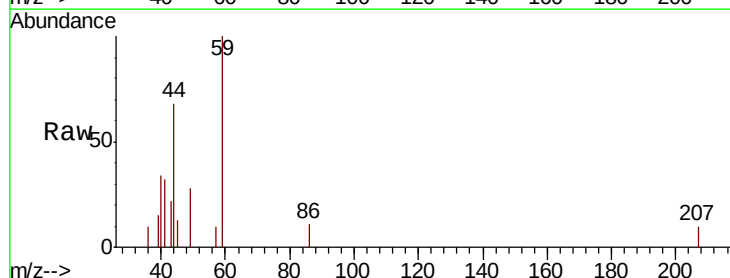
Acq: 05 Dec 2018 17:30

Tgt Ion: 59 Resp: 2715

Ion Ratio Lower Upper

59 100

57 3.9 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) (-)

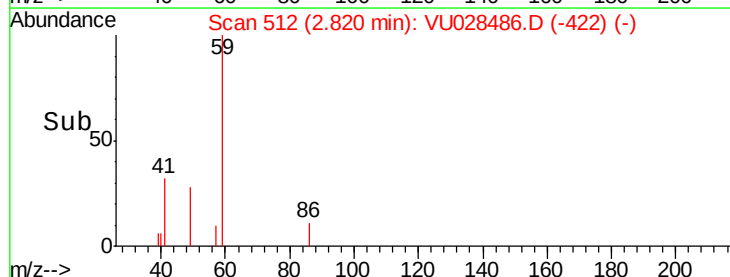
2.82

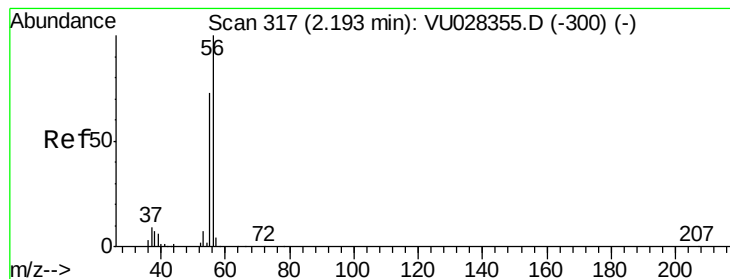
1000

500

0

Time-->





#13

Acrolein

Concen: 0.276 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU028486.D

Acq: 05 Dec 2018 17:30

Instrument :

MSVOA_U

ClientSampleId :

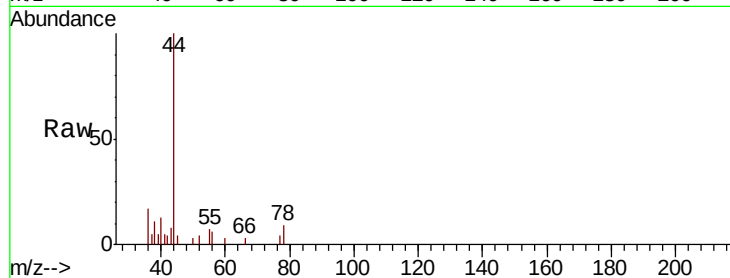
TP-2RE

Tot Ion: 56 Resp: 323

Ion Ratio Lower Upper

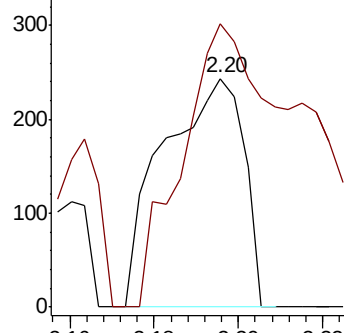
56 100

55 182.0 56.6 85.0#

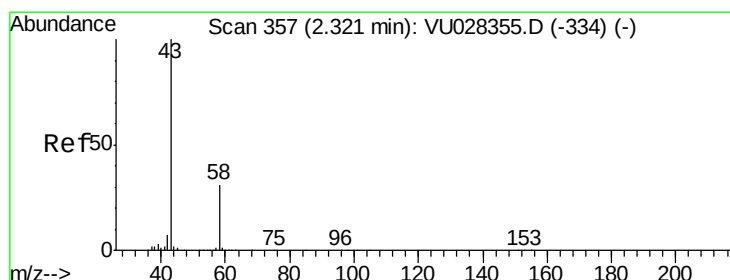
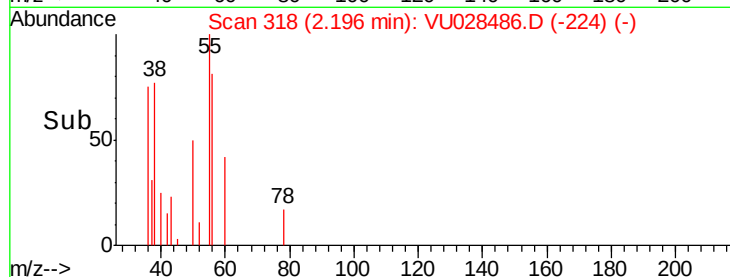


Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



Time-->



#16

Acetone

Concen: 36.470 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028486.D

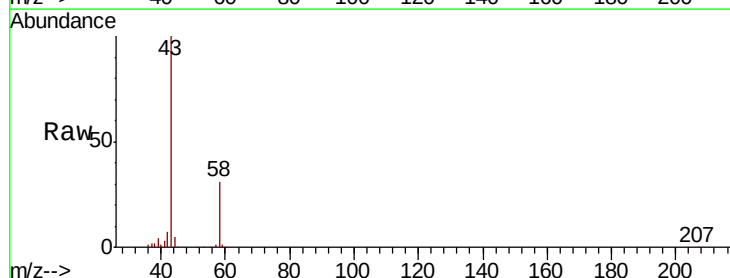
Acq: 05 Dec 2018 17:30

Tgt Ion: 43 Resp: 129156

Ion Ratio Lower Upper

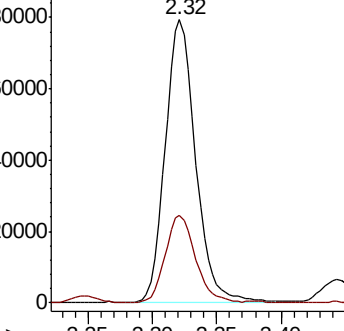
43 100

58 30.9 24.4 36.6

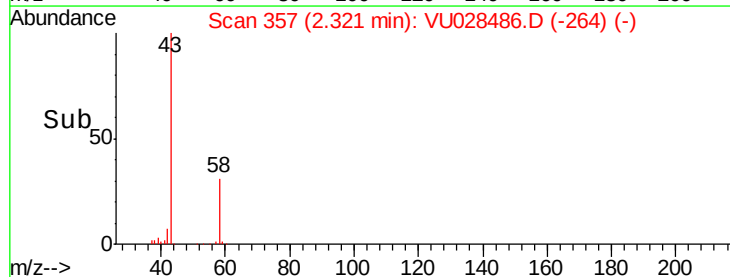


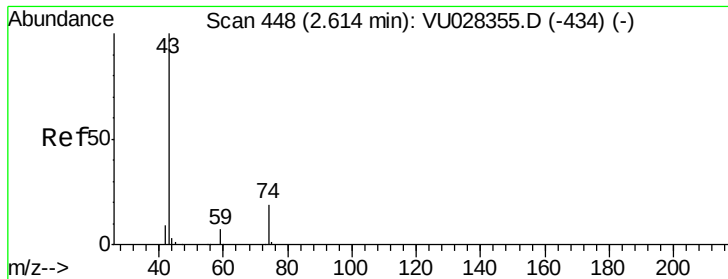
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



Time-->

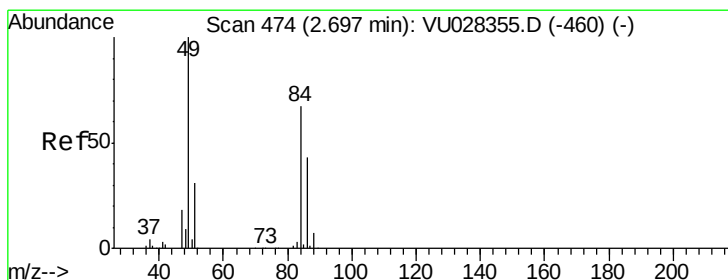
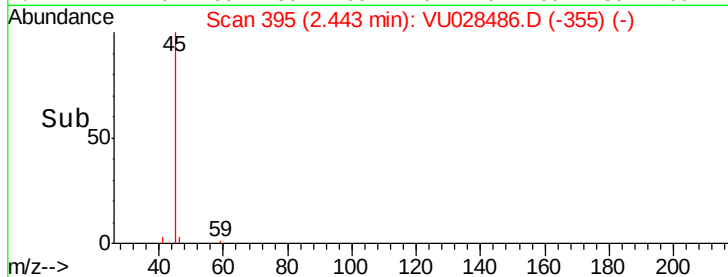
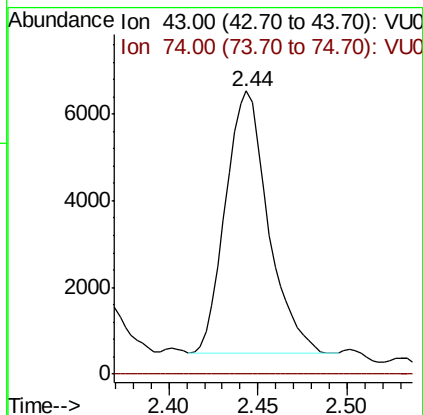
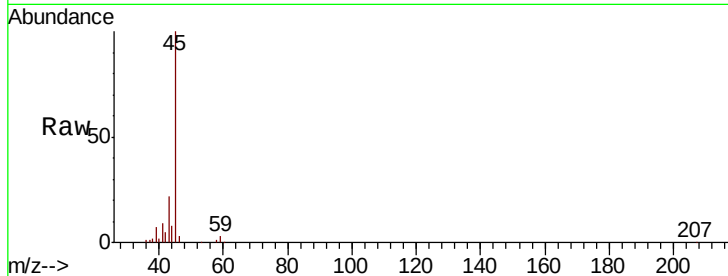




#18
Methvl Acetate
Concen: 1.024 ug/l
RT: 2.44 min Scan# 395
Delta R.T. -0.17 min
Lab File: VU028486.D
Acq: 05 Dec 2018 17:30

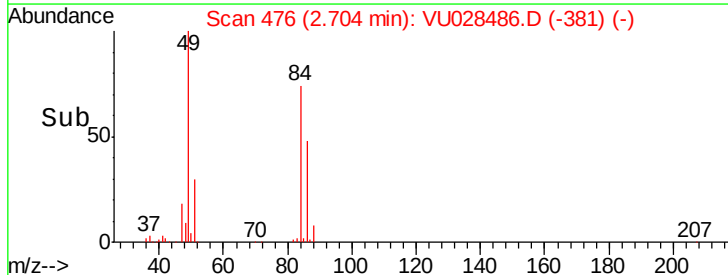
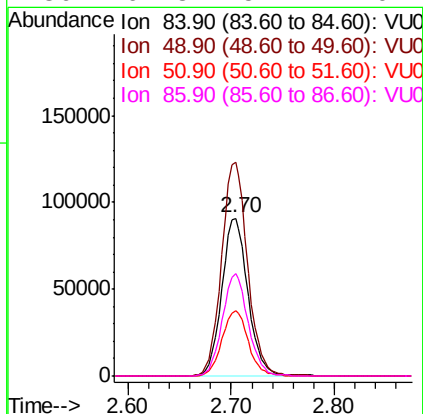
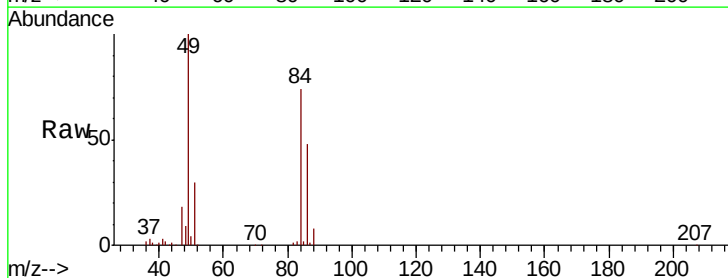
Instrument :
MSVOA_U
ClientSampleId :
TP-2RE

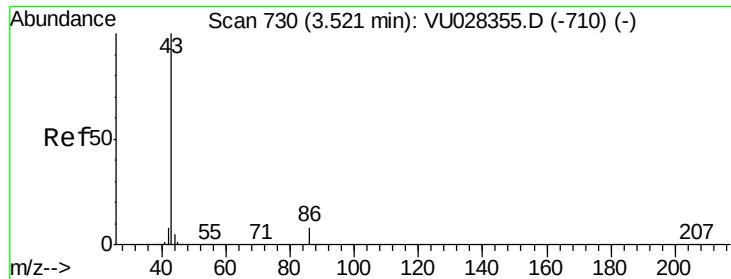
Tot Ion: 43 Resp: 10093
Ion Ratio Lower Upper
43 100
74 0.0 15.3 22.9#



#20
Methylene Chloride
Concen: 32.050 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.01 min
Lab File: VU028486.D
Acq: 05 Dec 2018 17:30

Tgt Ion: 84 Resp: 160228
Ion Ratio Lower Upper
84 100
49 135.2 120.0 180.0
51 41.2 36.9 55.3
86 64.8 51.1 76.7

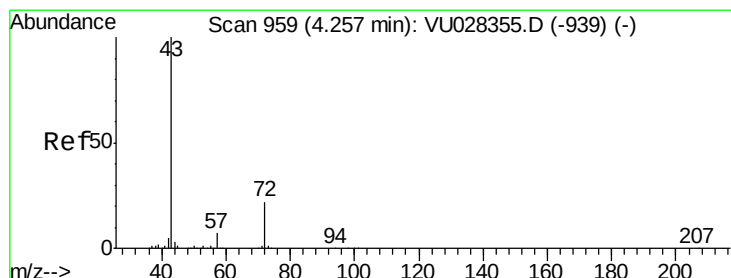
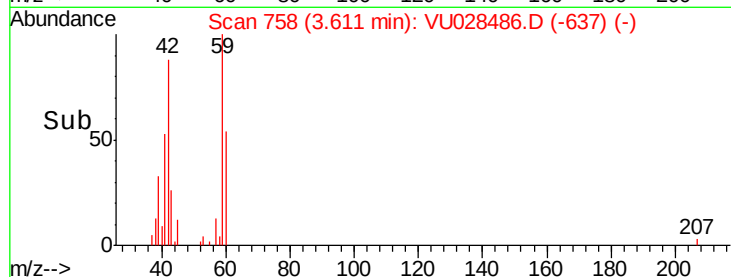
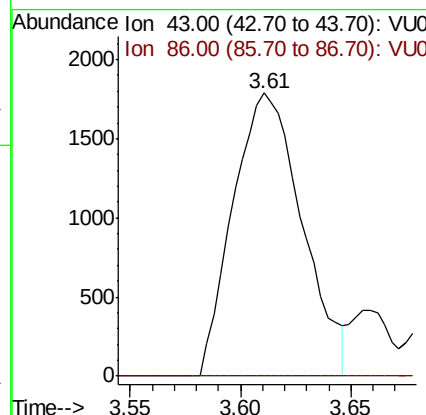
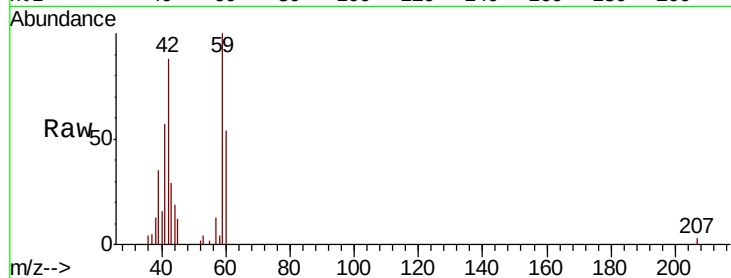




#23
 Vinyl Acetate
 Concen: 0.245 ug/l
 RT: 3.61 min Scan# 758
 Delta R.T. 0.09 min
 Lab File: VU028486.D
 Acq: 05 Dec 2018 17:30

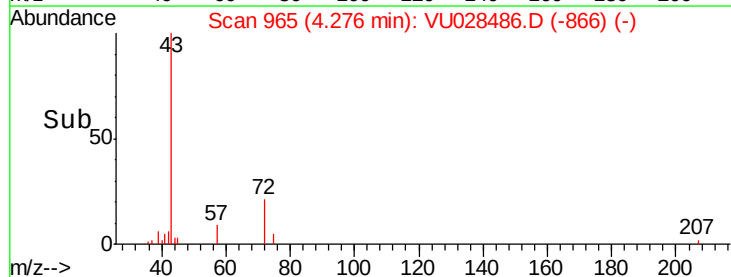
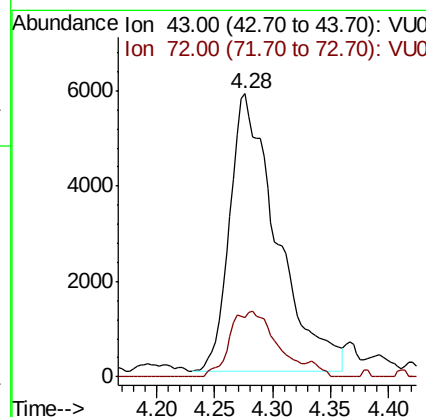
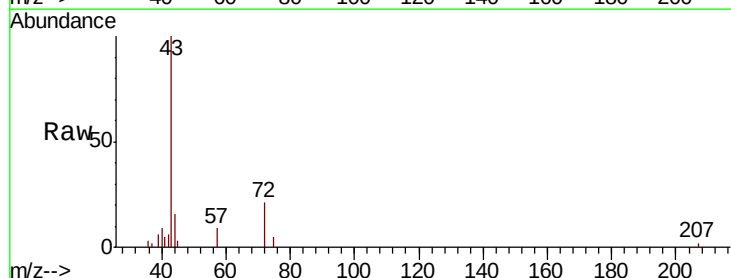
Instrument :
 MSVOA_U
 ClientSampleId :
 TP-2RE

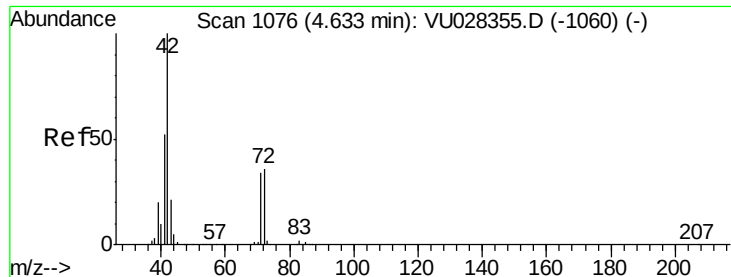
Tot Ion: 43 Resp: 3873
 Ion Ratio Lower Upper
 43 100
 86 0.0 6.5 9.7#



#25
 2-Butanone
 Concen: 3.244 ug/l
 RT: 4.28 min Scan# 965
 Delta R.T. 0.02 min
 Lab File: VU028486.D
 Acq: 05 Dec 2018 17:30

Tgt Ion: 43 Resp: 16464
 Ion Ratio Lower Upper
 43 100
 72 21.3 17.7 26.5





#29

Tetrahydrofuran

Concen: 0.238 ug/l

RT: 4.66 min Scan# 1083

Delta R.T. 0.02 min

Lab File: VU028486.D

Acq: 05 Dec 2018 17:30

Instrument :

MSVOA_U

ClientSampleId :

TP-2RE

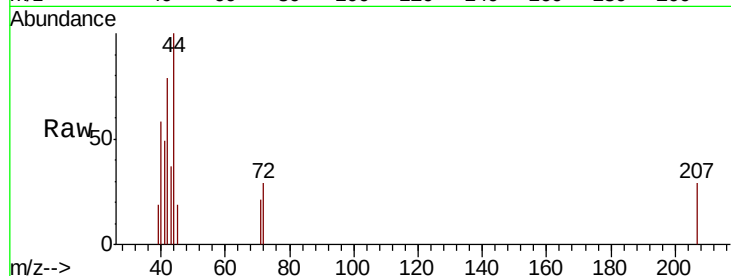
Tot Ion: 42 Resp: 783

Ion Ratio Lower Upper

42 100

72 0.0 29.5 44.3#

71 22.2 27.7 41.5#



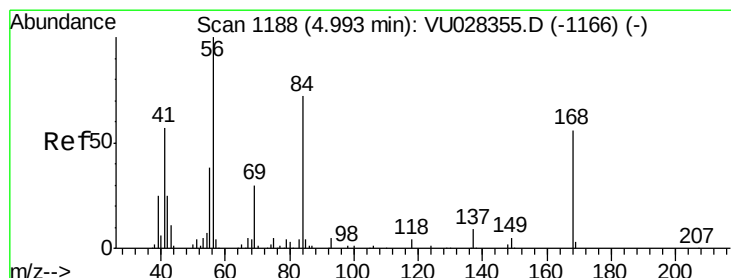
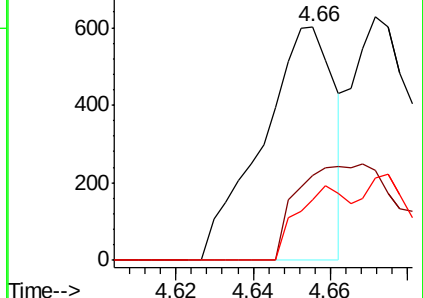
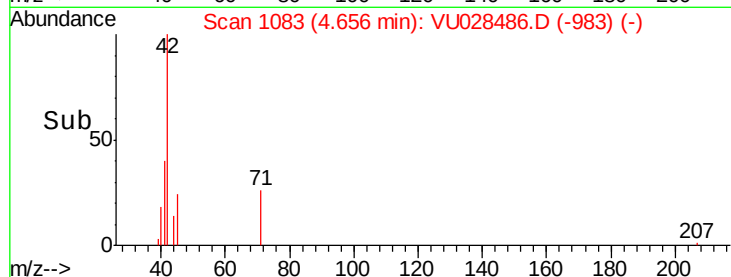
Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0

4.66

Time-->



#31

Cyclohexane

Concen: 0.375 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.01 min

Lab File: VU028486.D

Acq: 05 Dec 2018 17:30

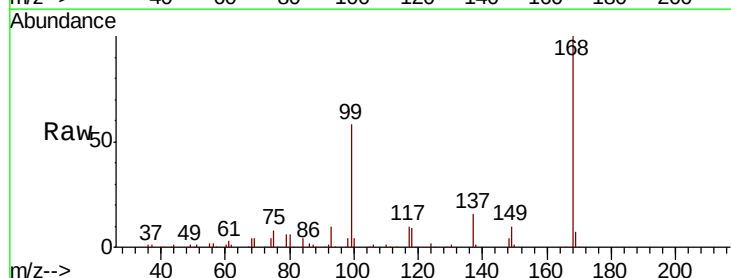
Tgt Ion: 56 Resp: 7298

Ion Ratio Lower Upper

56 100

69 175.8 23.7 35.5#

84 159.3 57.3 85.9#



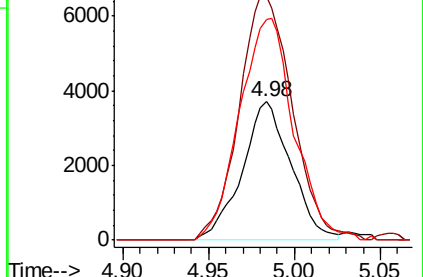
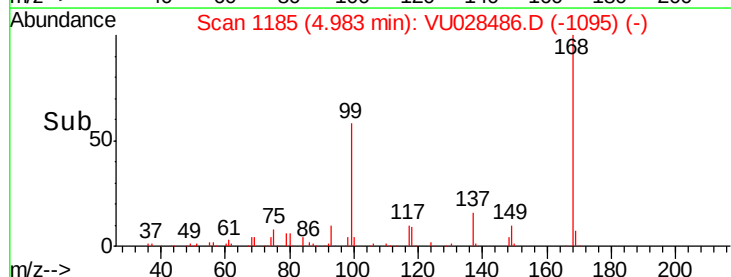
Abundance Ion 56.00 (55.70 to 56.70): VU0

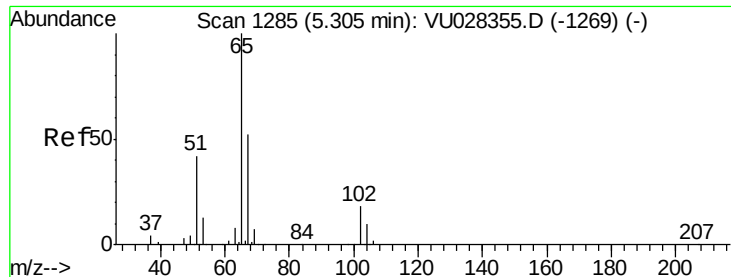
Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0

4.98

Time-->

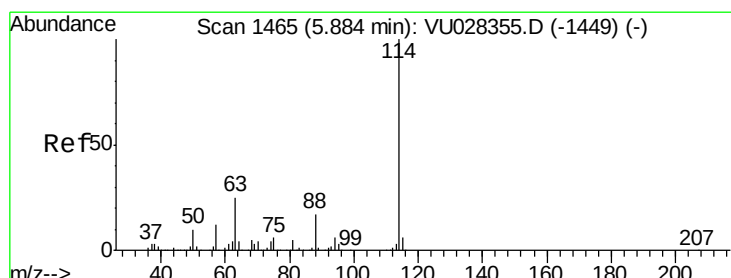
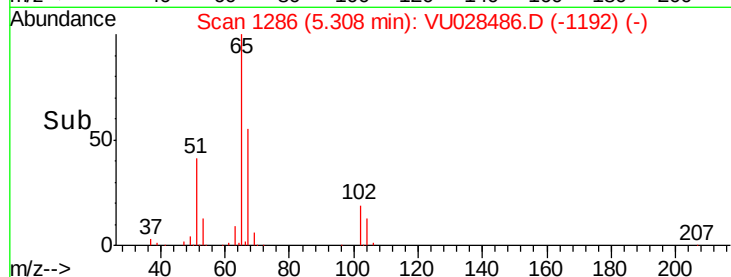
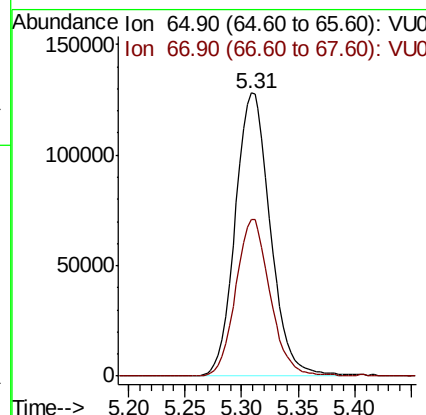
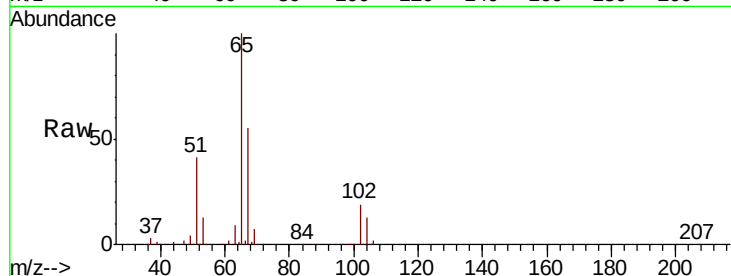




#33
 1,2-Dichloroethane-d4
 Concen: 47.773 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VU028486.D
 Acq: 05 Dec 2018 17:30

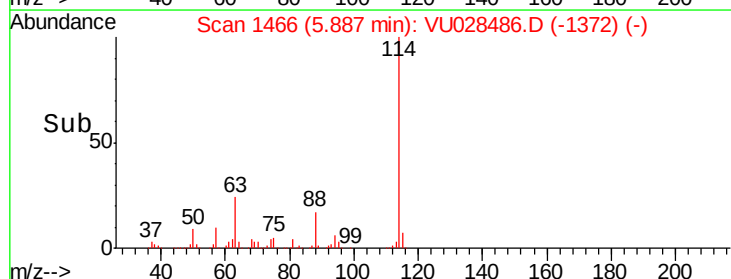
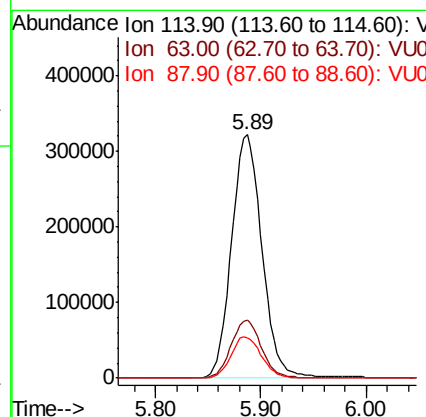
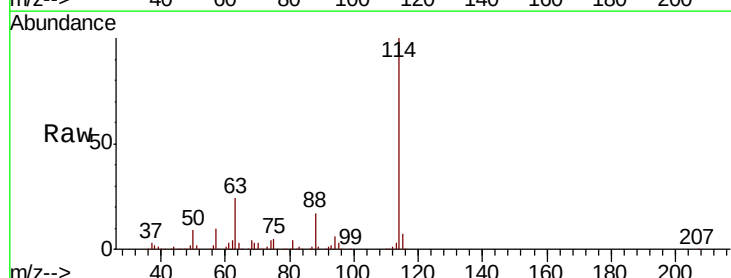
Instrument :
 MSVOA_U
 ClientSampled :
 TP-2RE

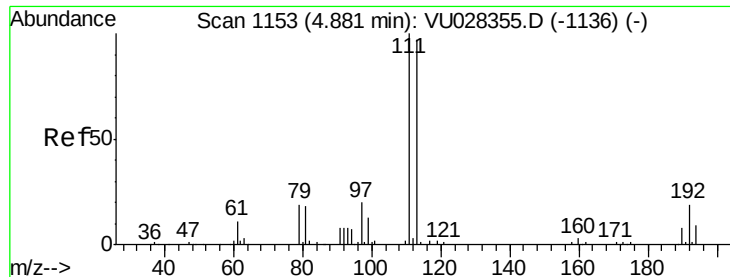
Tot Ion: 65 Resp: 276571
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028486.D
 Acq: 05 Dec 2018 17:30

Tgt Ion: 114 Resp: 643255
 Ion Ratio Lower Upper
 114 100
 63 23.8 0.0 50.0
 88 16.7 0.0 34.4

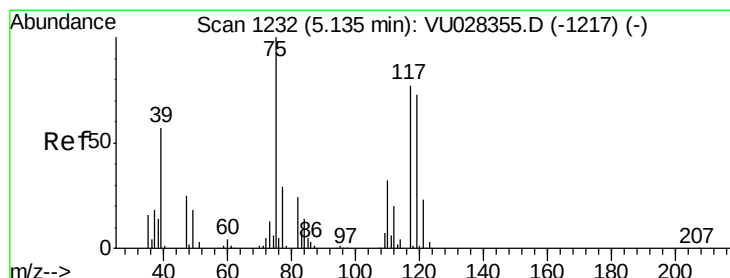
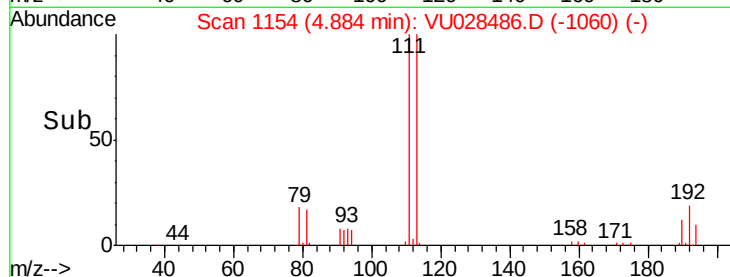
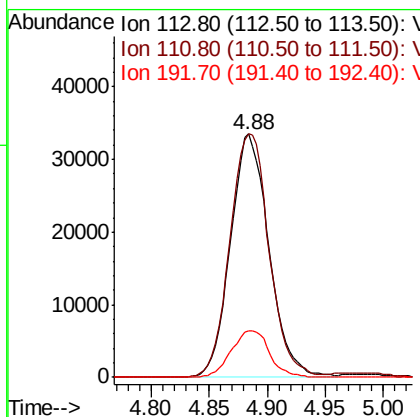
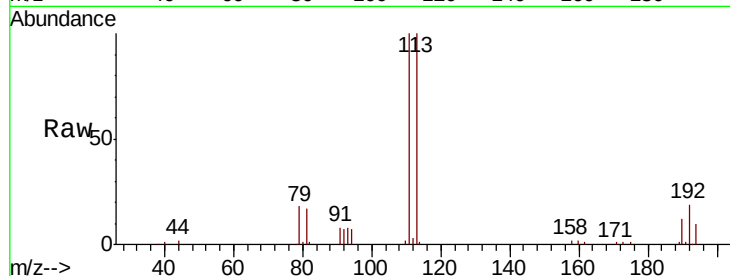




#35
 Dibromofluoromethane
 Concen: 18.092 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU028486.D
 Acq: 05 Dec 2018 17:30

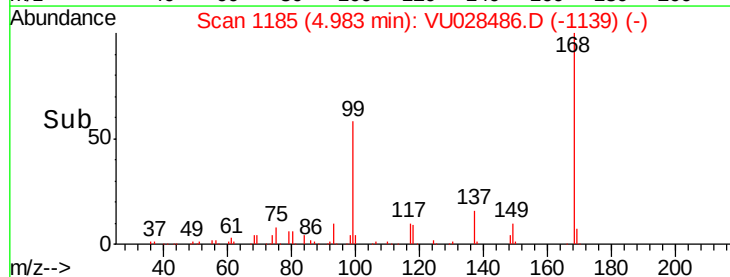
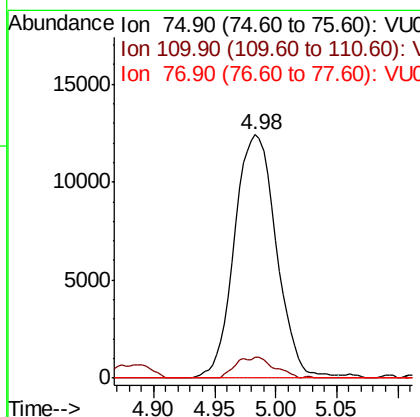
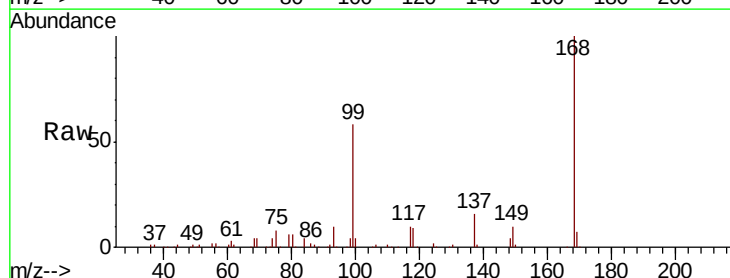
Instrument :
 MSVOA_U
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 TP-2RE

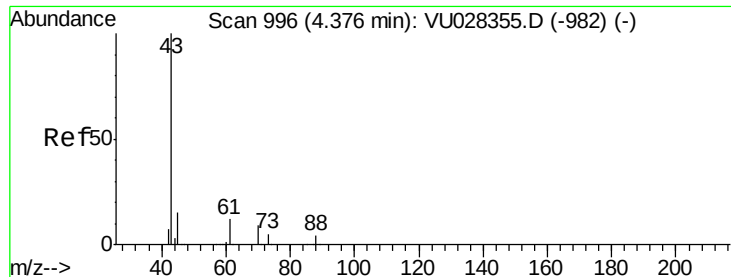
Tot Ion:113 Resp: 77388
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.9 124.3
 192 19.1 15.4 23.0



#36
 1,1-Dichloropropene
 Concen: 4.192 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU028486.D
 Acq: 05 Dec 2018 17:30

Tgt Ion: 75 Resp: 29509
 Ion Ratio Lower Upper
 75 100
 110 3.0 15.8 47.4#
 77 0.0 24.6 36.8#





#37

Ethyl Acetate

Concen: 1.716 ug/l

RT: 4.28 min Scan# 965

Delta R.T. -0.10 min

Lab File: VU028486.D

Acq: 05 Dec 2018 17:30

Instrument :

MSVOA_U

ClientSampleId :

TP-2RE

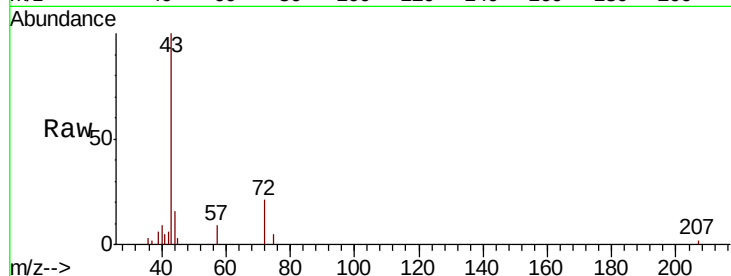
Tot Ion: 43 Resp: 16464

Ion Ratio Lower Upper

43 100

61 0.0 10.2 15.4#

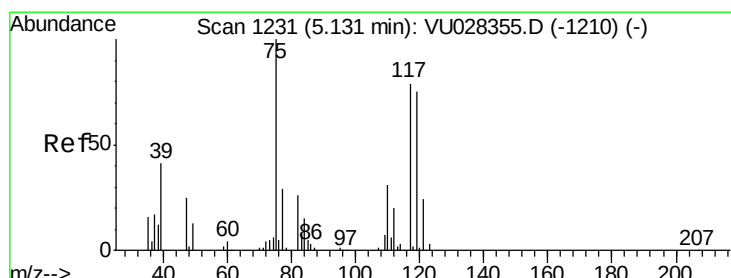
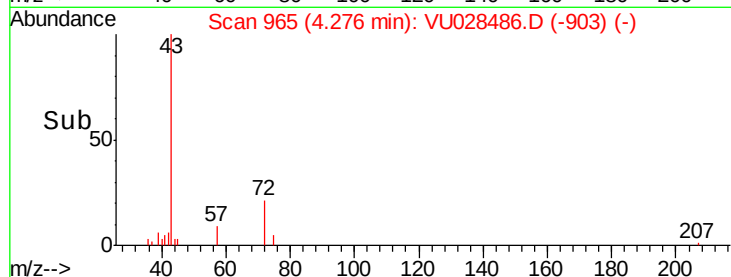
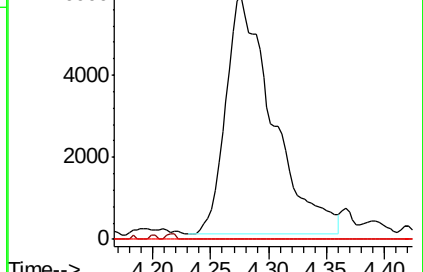
70 0.0 6.9 10.3#



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: 5.754 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.14 min

Lab File: VU028486.D

Acq: 05 Dec 2018 17:30

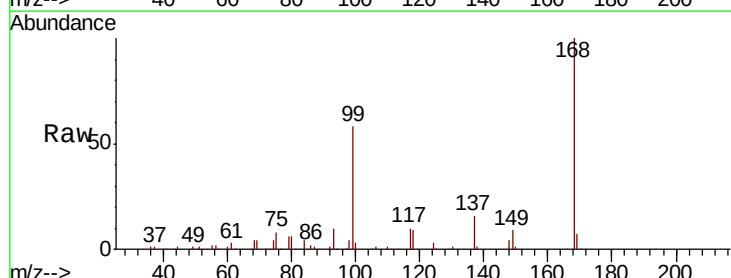
Tgt Ion: 117 Resp: 33257

Ion Ratio Lower Upper

117 100

119 4.0 76.3 114.5#

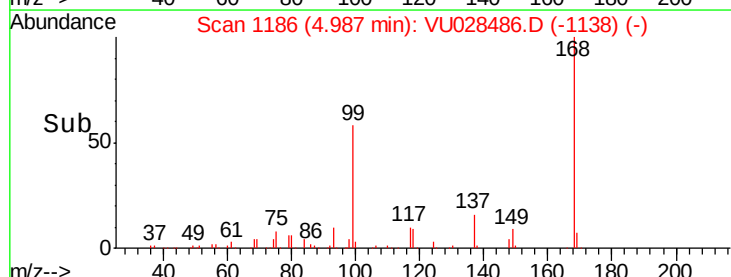
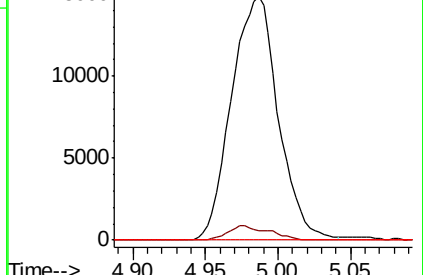
121 0.0 24.7 37.1#

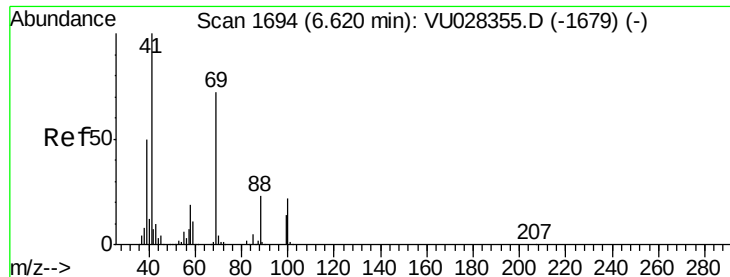


Abundance Ion 116.80 (116.50 to 117.50): VU028355.D (-1210) (-)

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

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

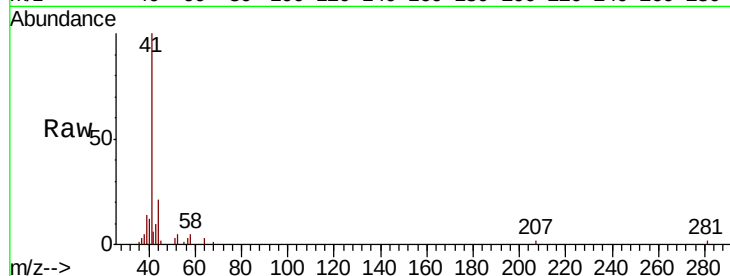




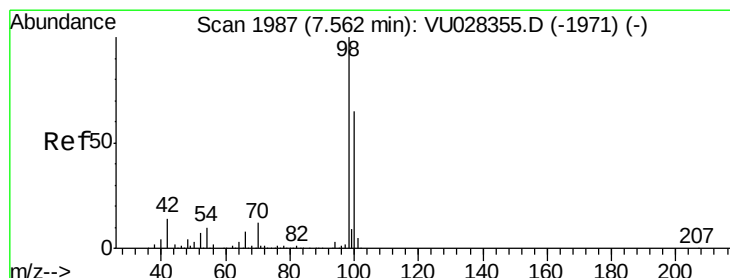
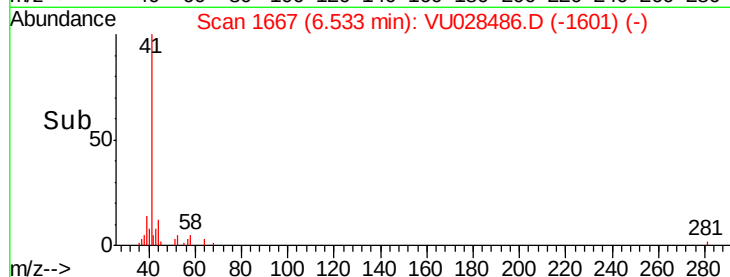
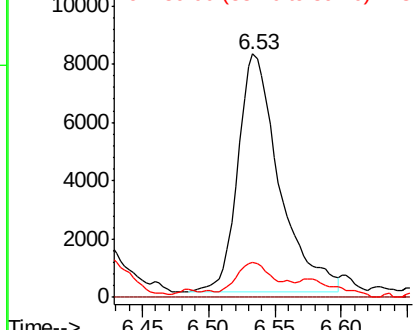
#48
Methyl methacrylate
Concen: 2.259 ug/l
RT: 6.53 min Scan# 1667
Delta R.T. -0.09 min
Lab File: VU028486.D
Acq: 05 Dec 2018 17:30

Instrument :
MSVOA_U
ClientSampled :
TP-2RE

Tot Ion: 41 Resp: 17888
Ion Ratio Lower Upper
41 100
69 0.0 59.0 88.4#
39 10.8 40.5 60.7#

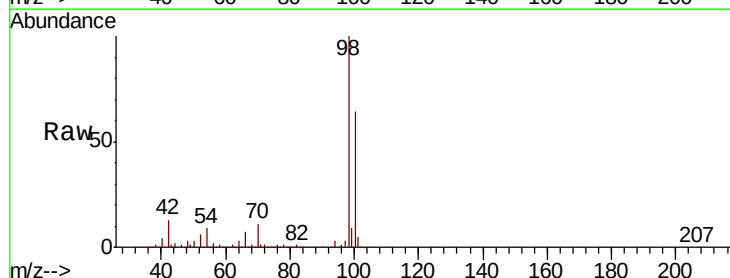


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 39.00 (38.70 to 39.70): VU0

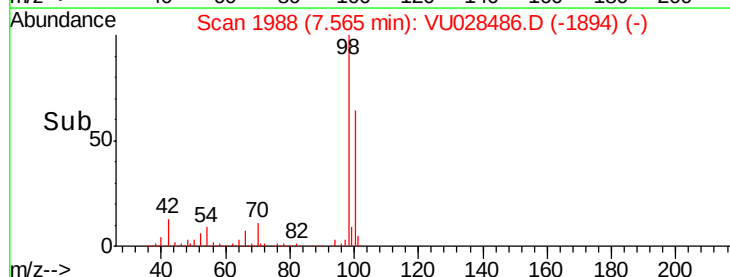
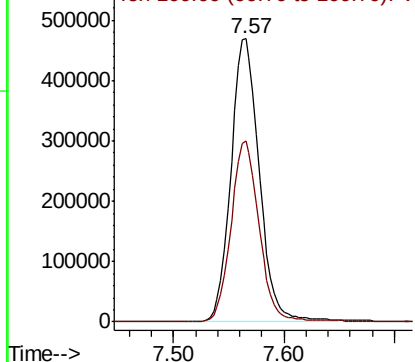


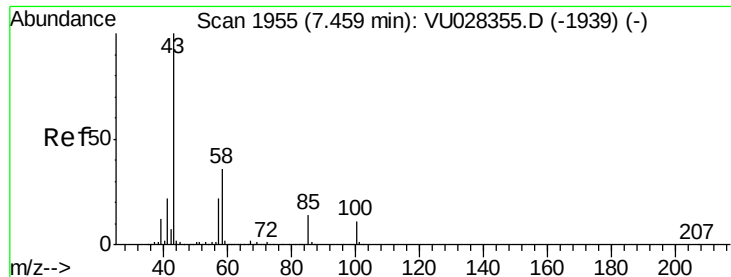
#50
Toluene-d8
Concen: 48.948 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU028486.D
Acq: 05 Dec 2018 17:30

Tgt Ion: 98 Resp: 837334
Ion Ratio Lower Upper
98 100
100 63.6 50.8 76.2



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





#51

4-Methyl-2-Pentanone

Concen: 0.762 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VU028486.D

Acq: 05 Dec 2018 17:30

Instrument :

MSVOA_U

ClientSampleId :

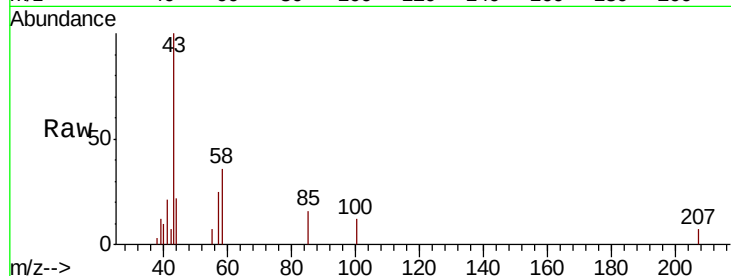
TP-2RE

Tot Ion: 43 Resp: 7399

Ion Ratio Lower Upper

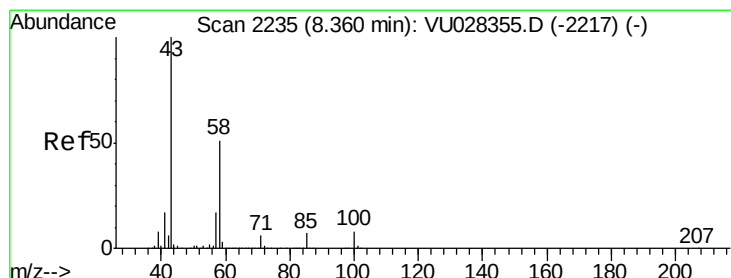
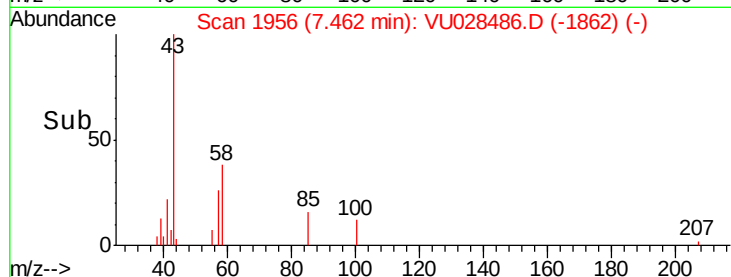
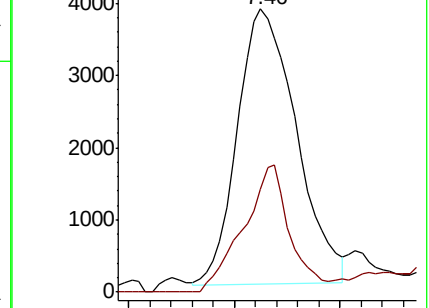
43 100

58 36.4 28.8 43.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#59

2-Hexanone

Concen: 0.349 ug/l

RT: 8.37 min Scan# 2239

Delta R.T. 0.01 min

Lab File: VU028486.D

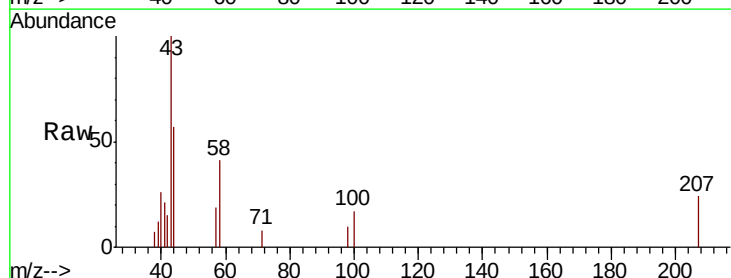
Acq: 05 Dec 2018 17:30

Tgt Ion: 43 Resp: 2626

Ion Ratio Lower Upper

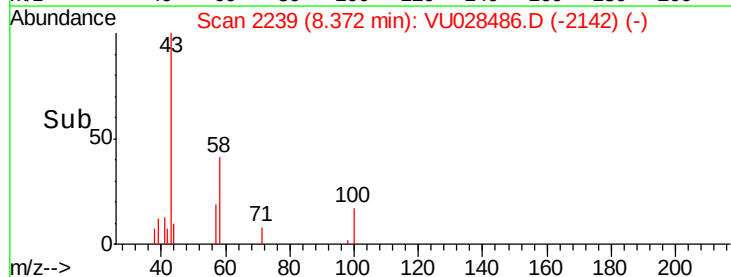
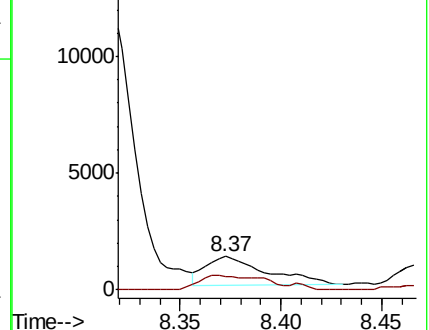
43 100

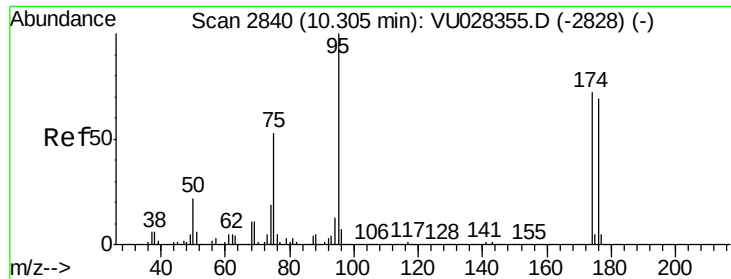
58 34.2 25.5 76.5



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

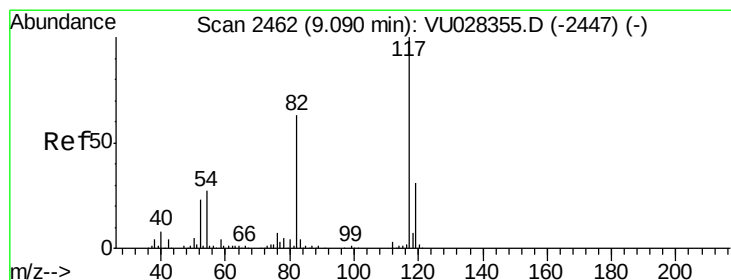
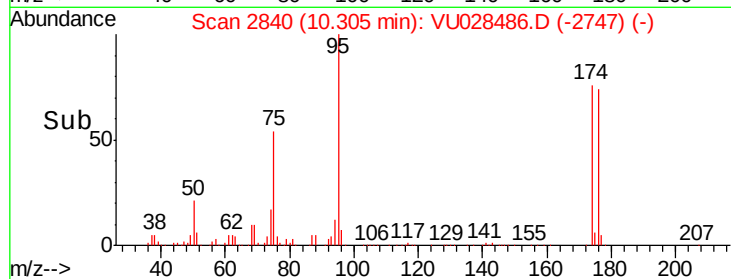
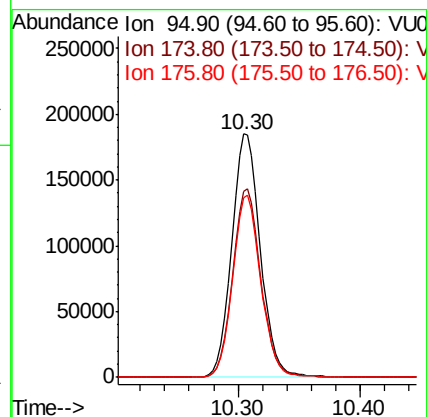
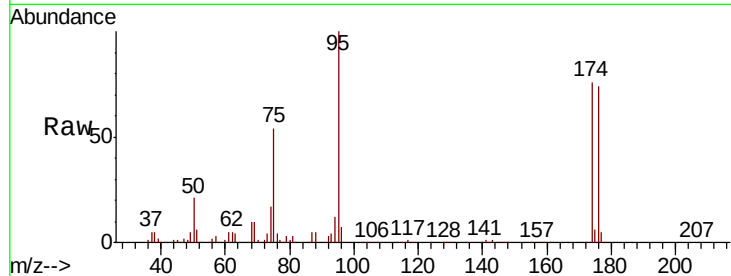




#62
4-Bromofluorobenzene
Concen: 49.283 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VU028486.D
Acq: 05 Dec 2018 17:30

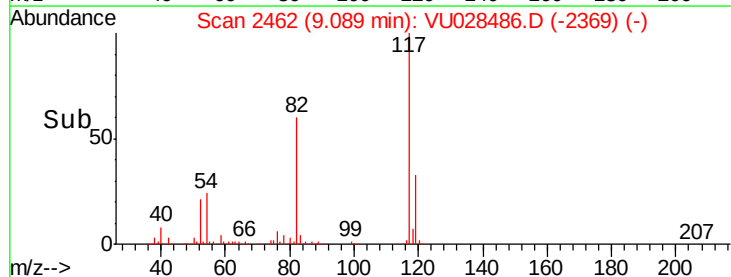
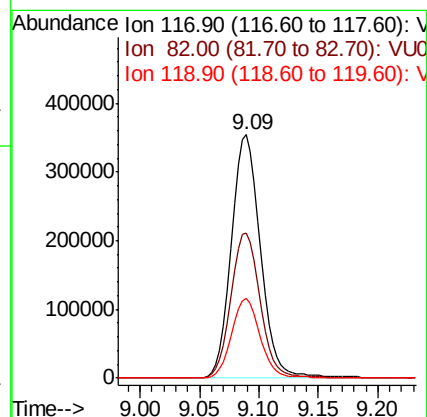
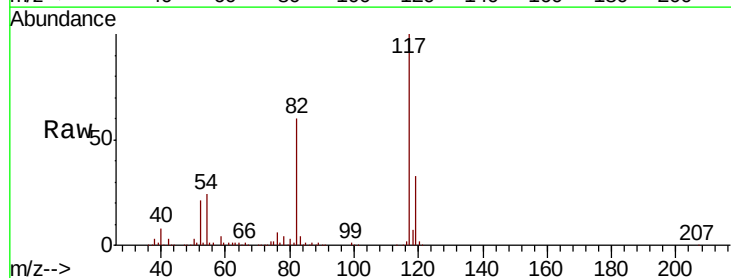
Instrument :
MSVOA_U
ClientSampleId :
TP-2RE

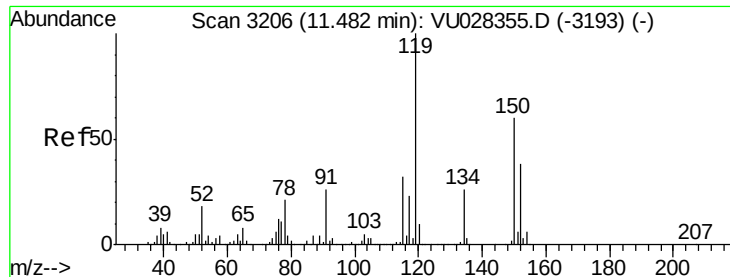
Tot Ion	Ratio	Lower	Upper
95	100		
174	76.3	0.0	145.4
176	73.5	0.0	140.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028486.D
Acq: 05 Dec 2018 17:30

Tgt Ion	Ratio	Lower	Upper
117	100		
82	59.6	50.3	75.5
119	32.6	24.8	37.2



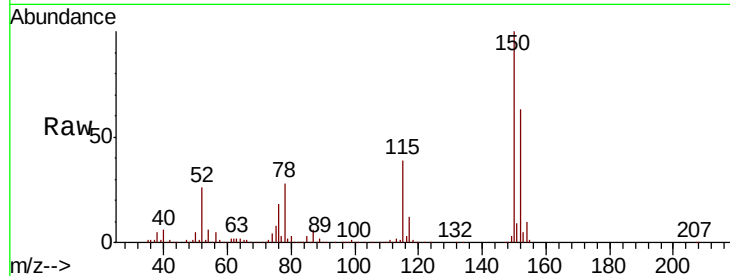


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. -0.00 min
Lab File: VU028486.D
Acq: 05 Dec 2018 17:30

Instrument :
MSVOA_U
ClientSampleId :
TP-2RE

Tot Ion	Ratio	Lower	Upper
152	100		
115	60.8	45.0	134.8
150	155.7	0.0	349.2

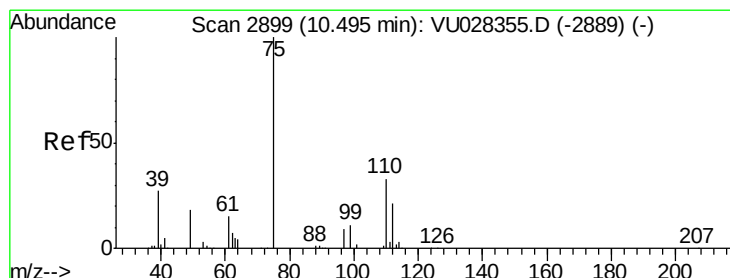
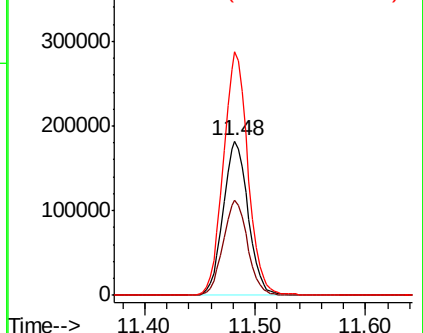
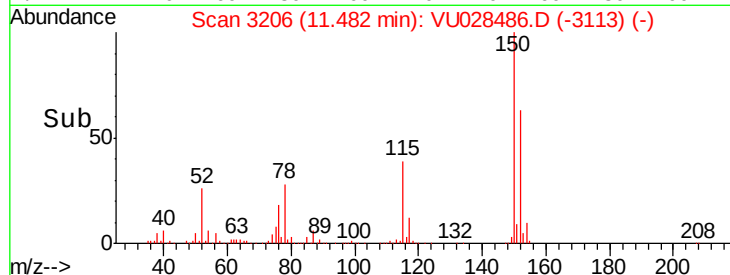


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

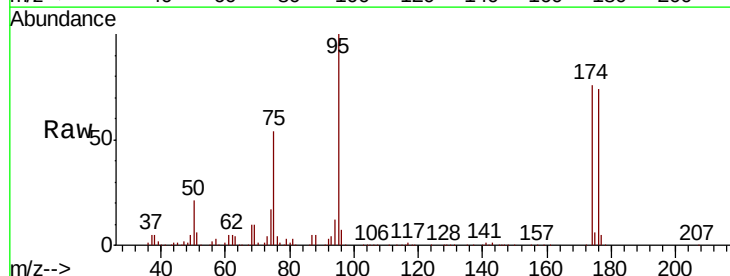
Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane
Concen: 20.092 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. -0.19 min
Lab File: VU028486.D
Acq: 05 Dec 2018 17:30

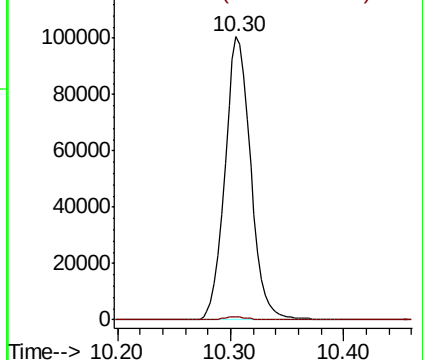
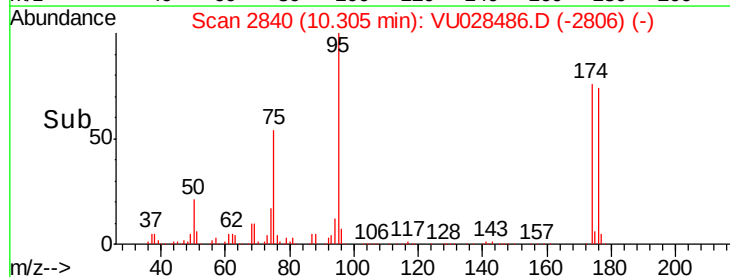
Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.0	22.4	67.0#

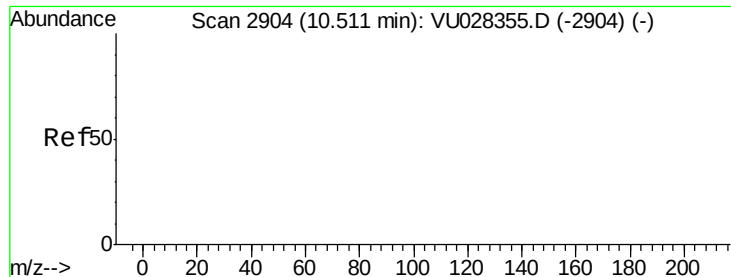


Abundance

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: 53.334 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.20 min

Lab File: VU028486.D

Acq: 05 Dec 2018 17:30

Instrument :

MSVOA_U

ClientSampleId :

TP-2RE

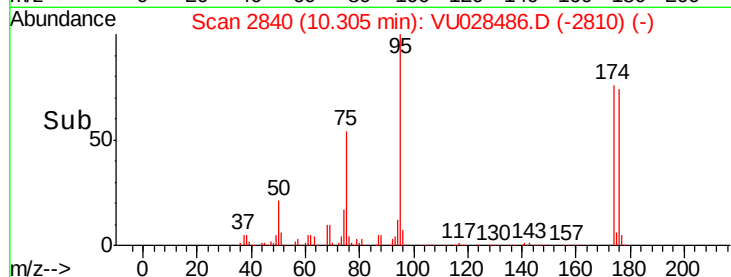
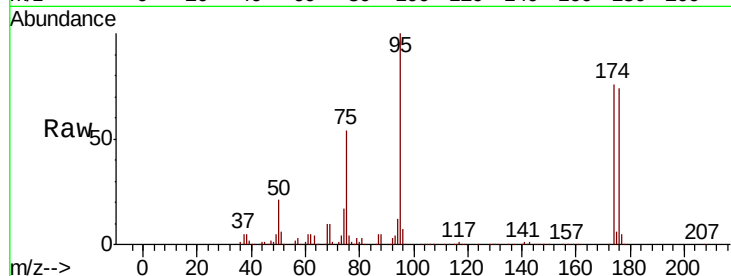
Tot Ion: 75 Resp: 159276

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

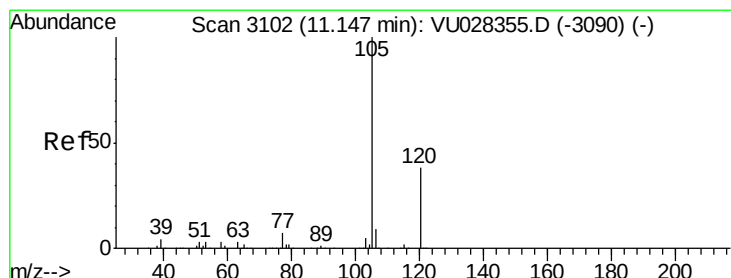
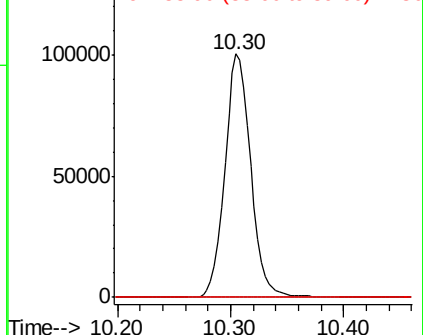
89 0.0 0.0 0.0



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



#84

1,2,4-Trimethylbenzene

Concen: 0.217 ug/l

RT: 11.15 min Scan# 3103

Delta R.T. 0.00 min

Lab File: VU028486.D

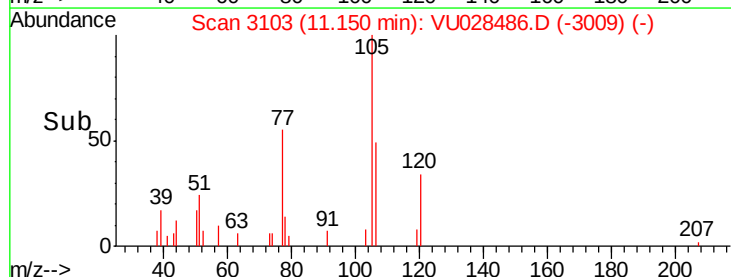
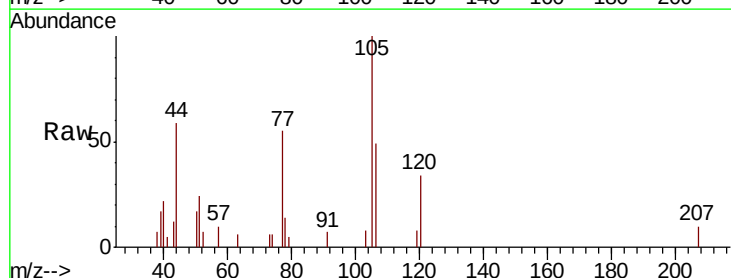
Acq: 05 Dec 2018 17:30

Tgt Ion: 105 Resp: 4124

Ion Ratio Lower Upper

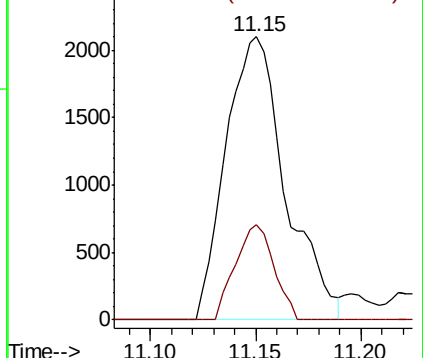
105 100

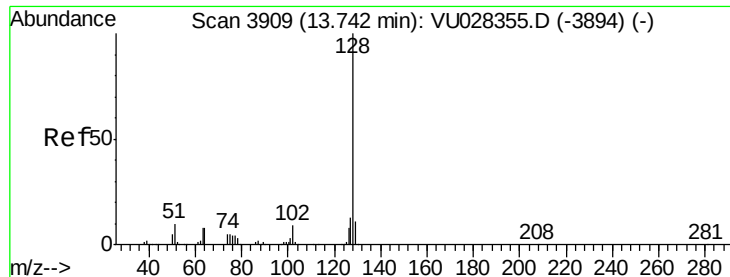
120 21.8 21.4 64.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95

Naphthalene

Concen: 4.199 ug/l

RT: 13.75 min Scan# 3910

Delta R.T. 0.00 min

Lab File: VU028486.D

Acq: 05 Dec 2018 17:30

Instrument :

MSVOA_U

ClientSampleId :

TP-2RE

Tot Ion:128 Resp: 34790

Ion Ratio Lower Upper

128 100

127 13.1 10.6 15.8

129 11.4 8.6 12.8

