

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120518\
 Data File : VU028488.D
 Acq On : 05 Dec 2018 18:16
 Operator : MD/SY
 Sample : J6208-18RE
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TP-5RE

Quant Time: Dec 06 01:36:44 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	340372	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	646479	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	610212	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	300295	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	274823	48.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.62%	
35) Dibromofluoromethane	4.88	113	80670	18.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.54%	
50) Toluene-d8	7.57	98	840877	48.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.82%	
62) 4-Bromofluorobenzene	10.30	95	316831	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	

Target Compounds

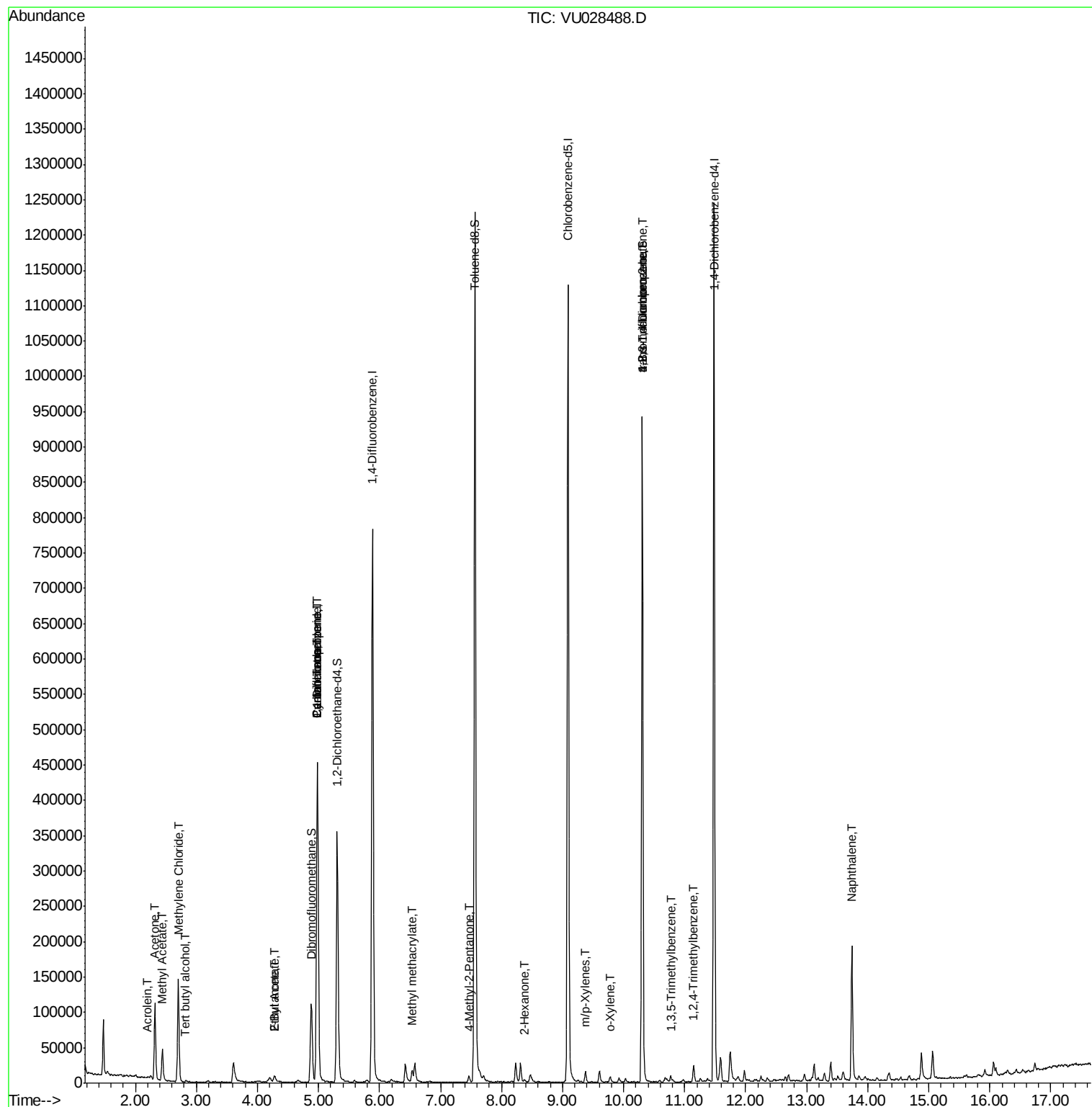
						Qvalue
11) Tert butyl alcohol	2.83	59	1310	1.014	ug/l #	72
13) Acrolein	2.19	56	247	0.215	ug/l	92
16) Acetone	2.32	43	117305	33.710	ug/l	99
18) Methyl Acetate	2.44	43	10766	1.111	ug/l #	58
20) Methylene Chloride	2.70	84	59719	12.111	ug/l	89
25) 2-Butanone	4.28	43	14789	2.965	ug/l	91
31) Cyclohexane	4.98	56	7490	0.408	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	29571	4.180	ug/l #	50
37) Ethyl Acetate	4.28	43	14789	1.534	ug/l #	71
38) Carbon Tetrachloride	4.98	117	34028	5.858	ug/l #	17
48) Methyl methacrylate	6.53	41	20832	2.618	ug/l #	24
51) 4-Methyl-2-Pentanone	7.46	43	6974	0.715	ug/l	98
59) 2-Hexanone	8.37	43	2079	0.275	ug/l	85
68) m/p-Xylenes	9.37	106	4316	0.502	ug/l	99
69) o-Xylene	9.78	106	1978	0.232	ug/l	80
76) 1,2,3-Trichloropropane	10.30	75	162462	19.509	ug/l #	33
80) 1,3,5-Trimethylbenzene	10.77	105	5052	0.257	ug/l	96
81) trans-1,4-Dichloro-2-buten	10.30	75	162462	51.787	ug/l #	100
84) 1,2,4-Trimethylbenzene	11.14	105	11979	0.601	ug/l	89
95) Naphthalene	13.74	128	152831	8.539	ug/l	99

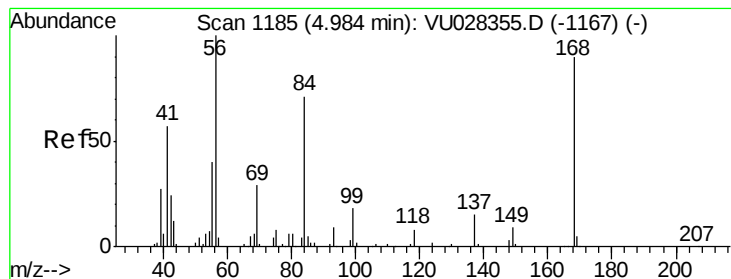
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Nov 29 01:04:49 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028488.D

Acq: 05 Dec 2018 18:16

Instrument :

MSVOA_U

ClientSampleId :

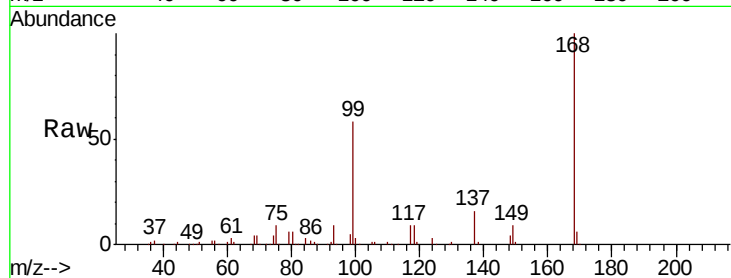
TP-5RE

Tot Ion:168 Resp: 340372

Ion Ratio Lower Upper

168 100

99 58.0 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

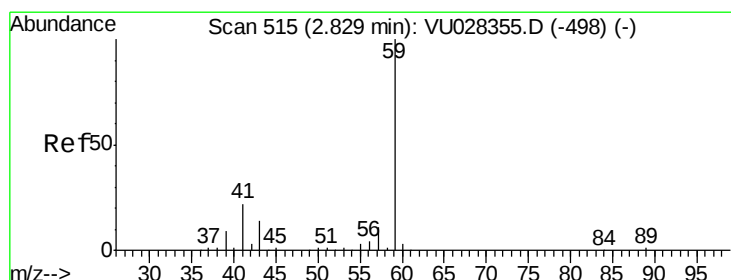
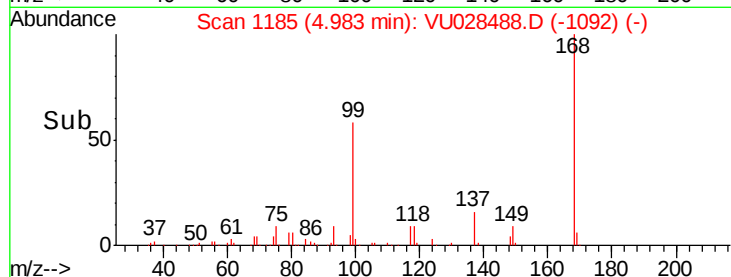
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.014 ug/l

RT: 2.83 min Scan# 515

Delta R.T. -0.00 min

Lab File: VU028488.D

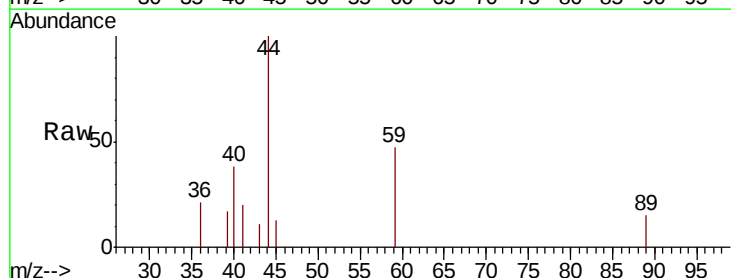
Acq: 05 Dec 2018 18:16

Tgt Ion: 59 Resp: 1310

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) (-)

2.83

600

500

400

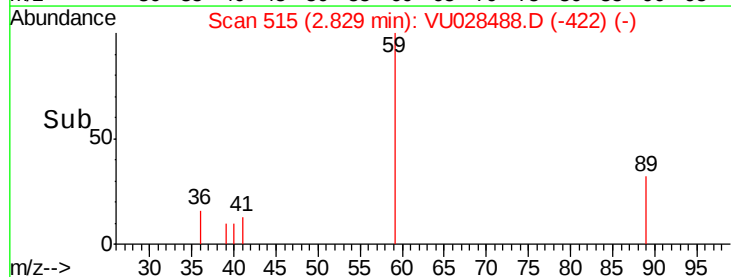
300

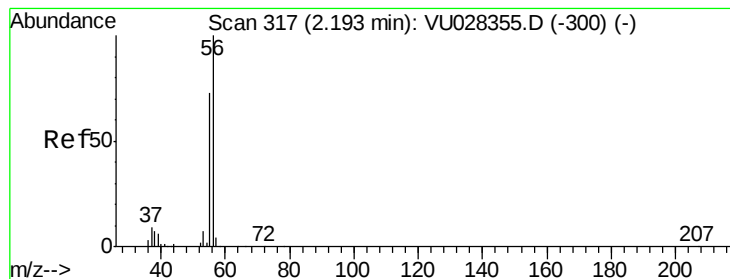
200

100

0

Time-->





#13

Acrolein

Concen: 0.215 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU028488.D

Acq: 05 Dec 2018 18:16

Instrument :

MSVOA_U

ClientSampleId :

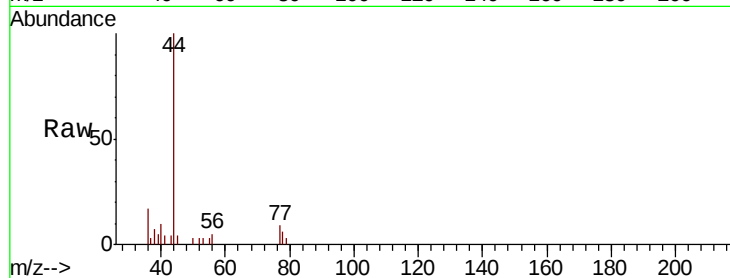
TP-5RE

Tot Ion: 56 Resp: 247

Ion Ratio Lower Upper

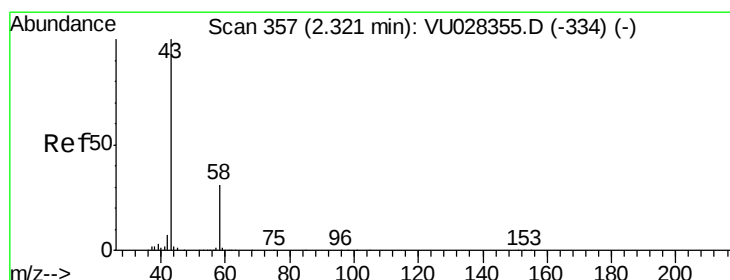
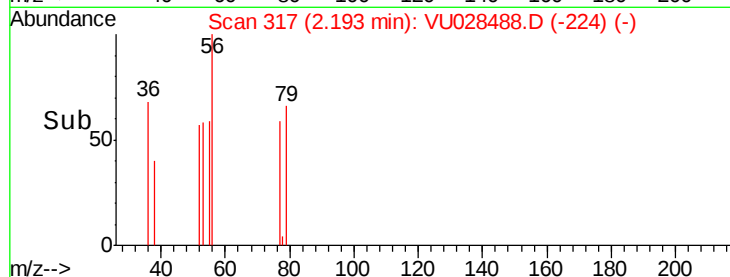
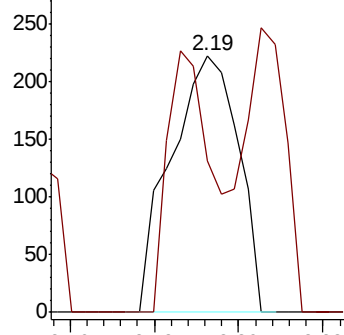
56 100

55 64.4 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#16

Acetone

Concen: 33.710 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028488.D

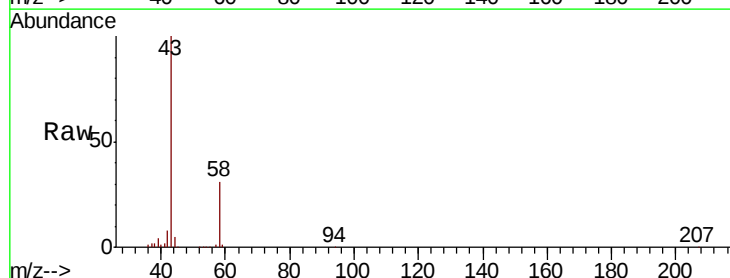
Acq: 05 Dec 2018 18:16

Tgt Ion: 43 Resp: 117305

Ion Ratio Lower Upper

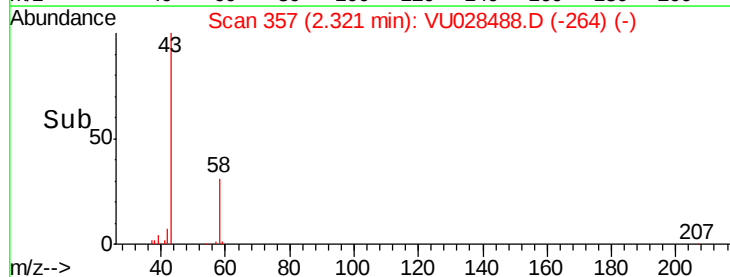
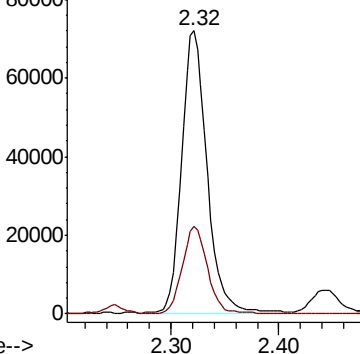
43 100

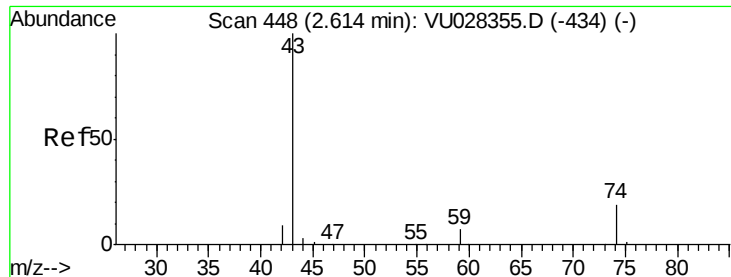
58 30.8 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

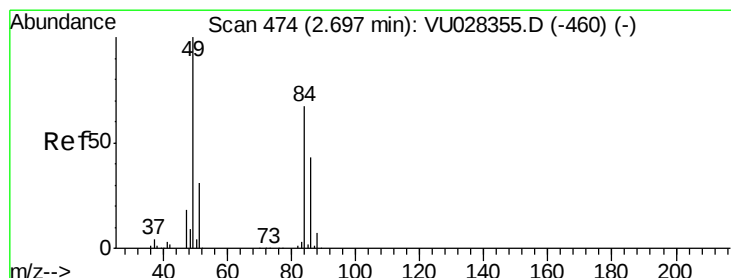
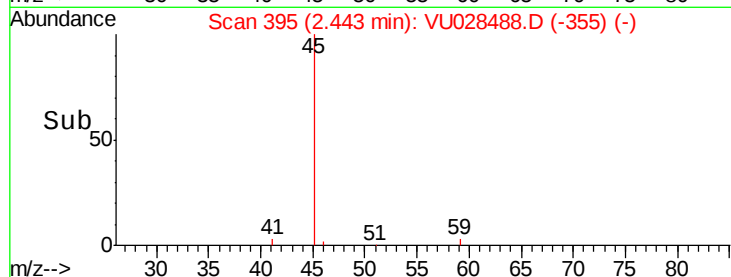
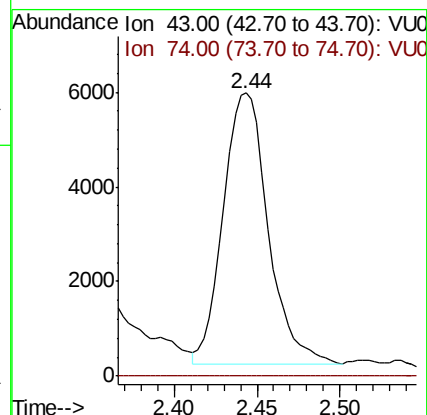
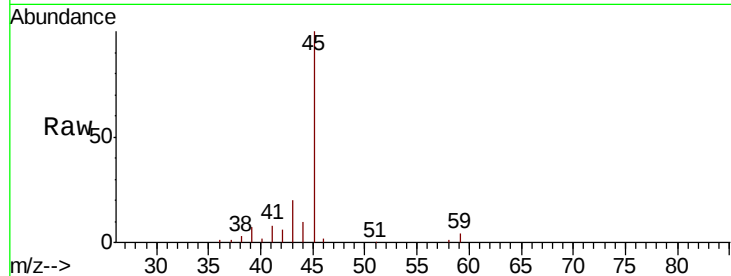




#18
Methyl Acetate
Concen: 1.111 ug/l
RT: 2.44 min Scan# 395
Delta R.T. -0.17 min
Lab File: VU028488.D
Acq: 05 Dec 2018 18:16

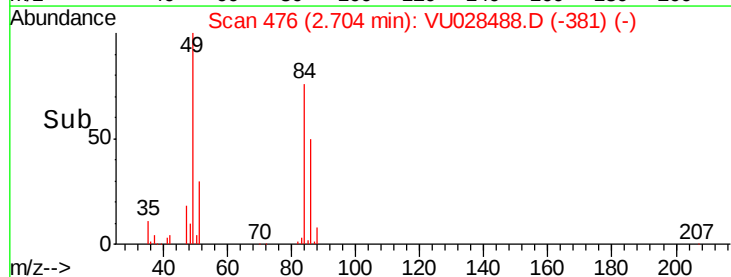
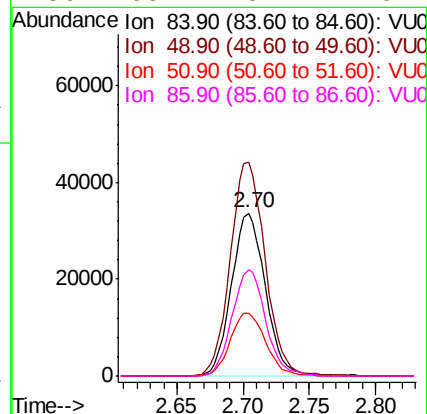
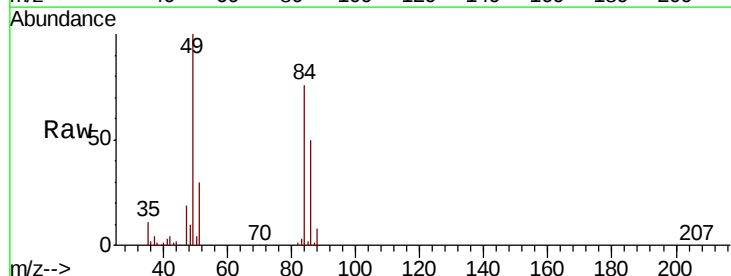
Instrument :
MSVOA_U
ClientSampleId :
TP-5RE

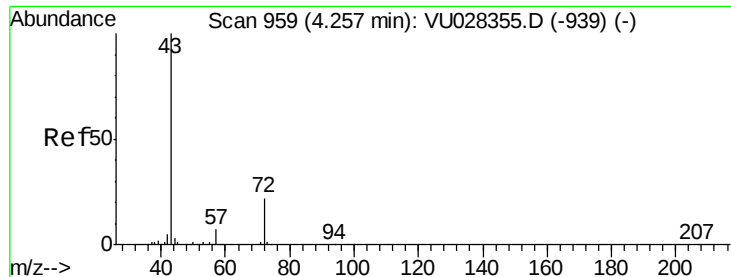
Tot Ion: 43 Resp: 10766
Ion Ratio Lower Upper
43 100
74 0.0 15.3 22.9#



#20
Methylene Chloride
Concen: 12.111 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.01 min
Lab File: VU028488.D
Acq: 05 Dec 2018 18:16

Tgt Ion: 84 Resp: 59719
Ion Ratio Lower Upper
84 100
49 131.1 120.0 180.0
51 38.7 36.9 55.3
86 65.2 51.1 76.7





#25

2-Butanone

Concen: 2.965 ug/l

RT: 4.28 min Scan# 967

Delta R.T. 0.03 min

Lab File: VU028488.D

Acq: 05 Dec 2018 18:16

Instrument :

MSVOA_U

ClientSampleId :

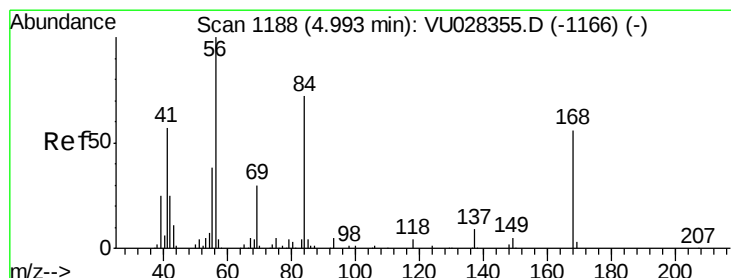
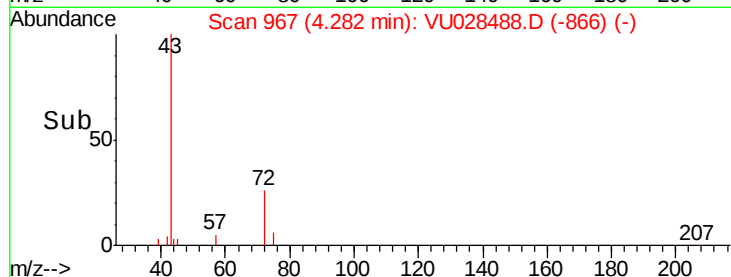
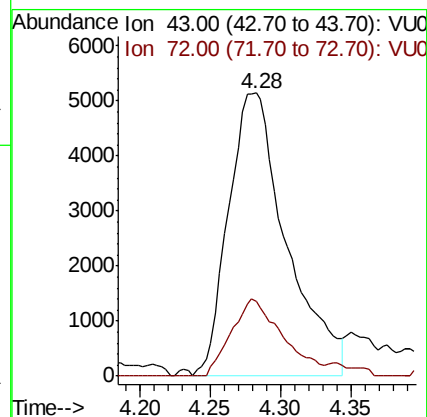
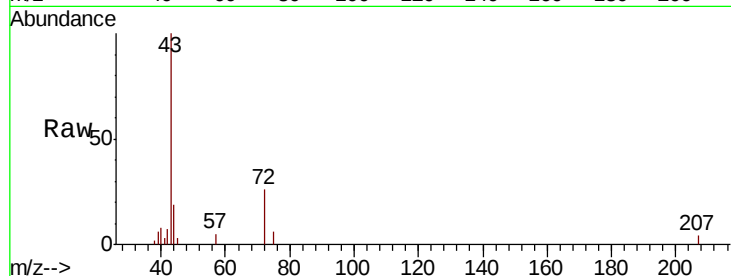
TP-5RE

Tot Ion: 43 Resp: 14789

Ion Ratio Lower Upper

43 100

72 26.3 17.7 26.5



#31

Cyclohexane

Concen: 0.408 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.01 min

Lab File: VU028488.D

Acq: 05 Dec 2018 18:16

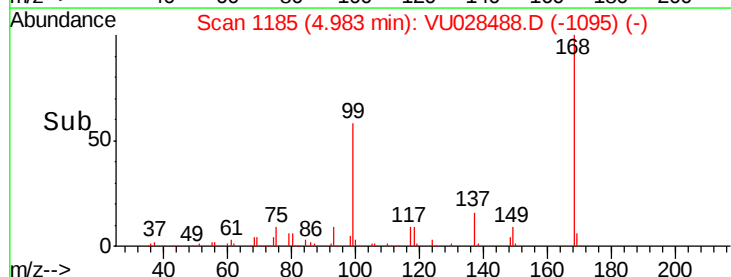
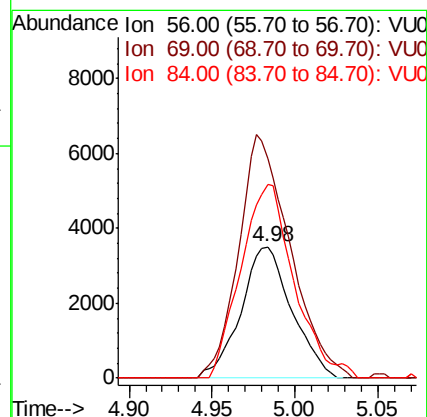
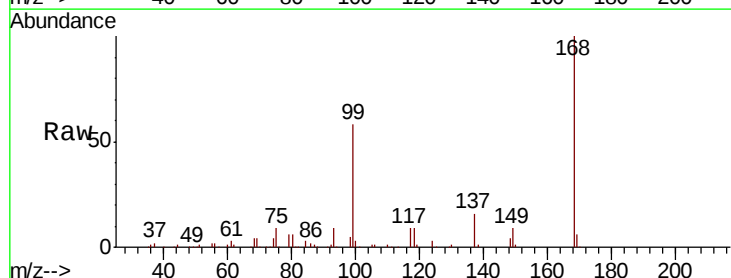
Tgt Ion: 56 Resp: 7490

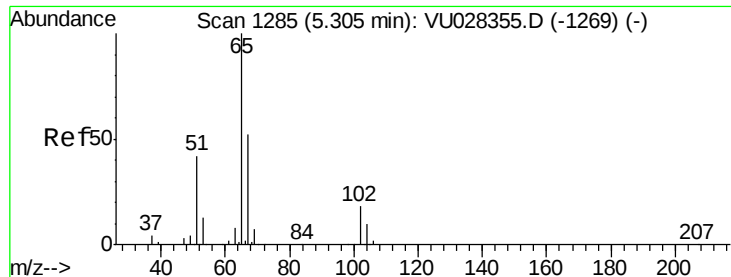
Ion Ratio Lower Upper

56 100

69 167.6 23.7 35.5#

84 147.7 57.3 85.9#





#33

1,2-Dichloroethane-d4

Concen: 48.312 ug/l

RT: 5.31 min Scan# 1286

Delta R.T. 0.00 min

Lab File: VU028488.D

Acq: 05 Dec 2018 18:16

Instrument :

MSVOA_U

ClientSampled :

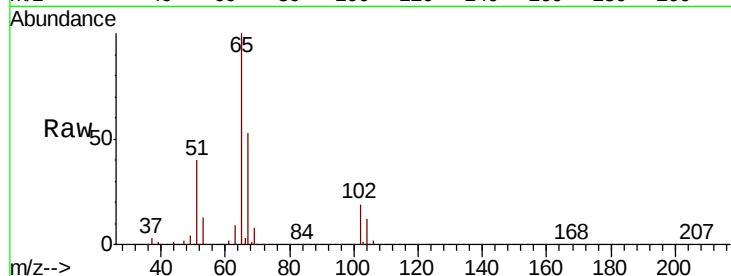
TP-5RE

Tot Ion: 65 Resp: 274823

Ion Ratio Lower Upper

65 100

67 54.4 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VU028355.D (-1269) (-)

Ion 66.90 (66.60 to 67.60): VU028355.D (-1269) (-)

5.31

150000

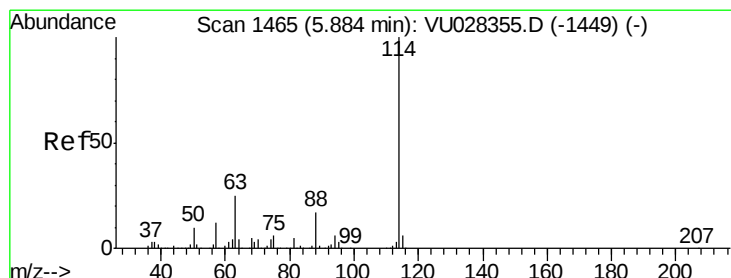
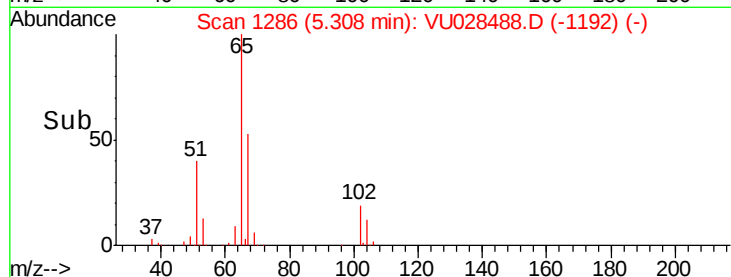
100000

50000

0

Time-->

5.20 5.30 5.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1466

Delta R.T. 0.00 min

Lab File: VU028488.D

Acq: 05 Dec 2018 18:16

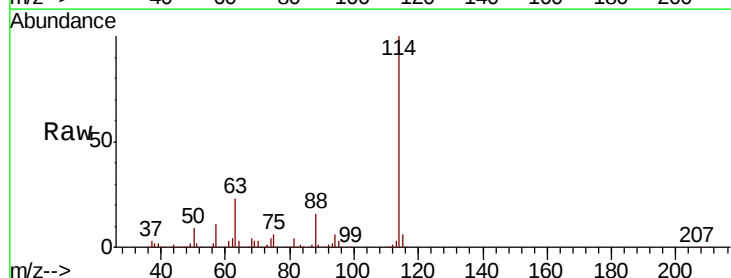
Tgt Ion: 114 Resp: 646479

Ion Ratio Lower Upper

114 100

63 23.3 0.0 50.0

88 16.4 0.0 34.4



Abundance Ion 113.90 (113.60 to 114.60): VU028355.D (-1449) (-)

Ion 63.00 (62.70 to 63.70): VU028355.D (-1449) (-)

Ion 87.90 (87.60 to 88.60): VU028355.D (-1449) (-)

5.89

400000

300000

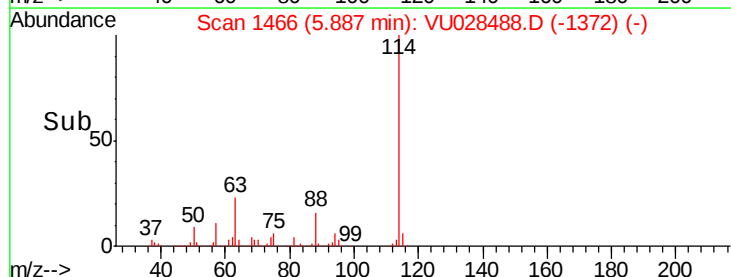
200000

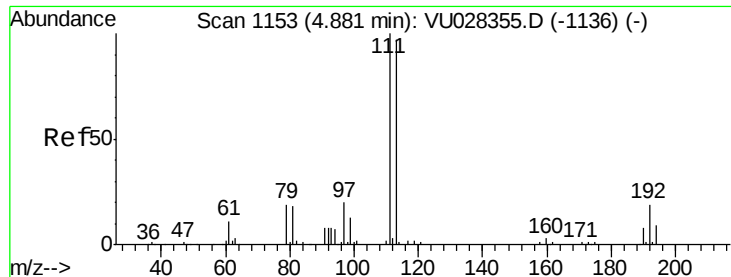
100000

0

Time-->

5.80 5.90 6.00

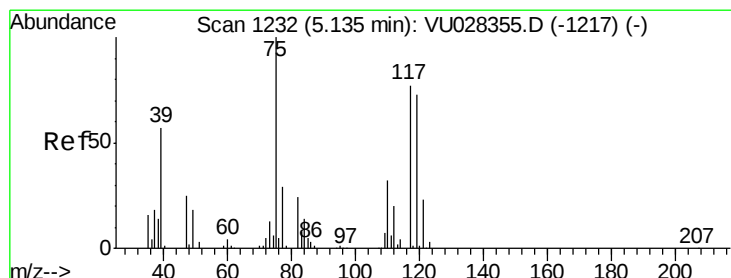
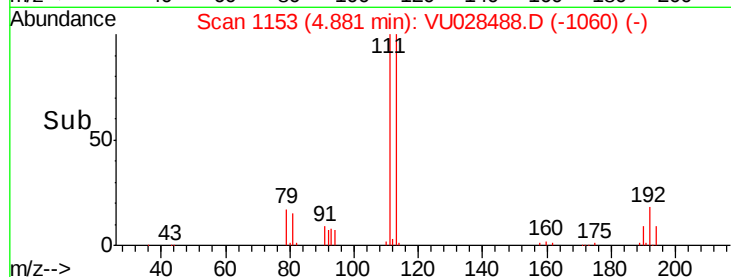
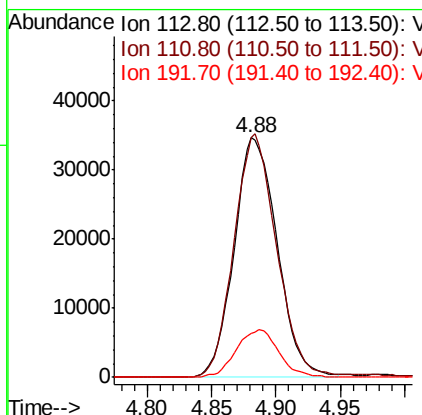
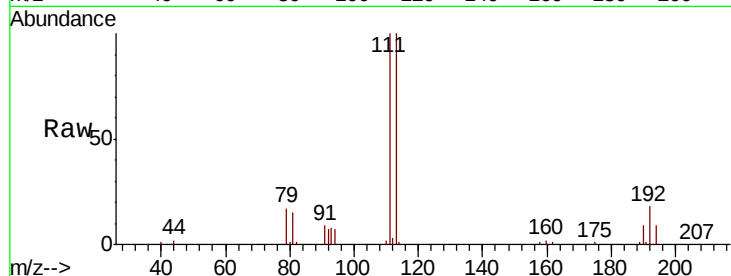




#35
Dibromofluoromethane
Concen: 18.766 ug/l
RT: 4.88 min Scan# 1153
Delta R.T. -0.00 min
Lab File: VU028488.D
Acq: 05 Dec 2018 18:16

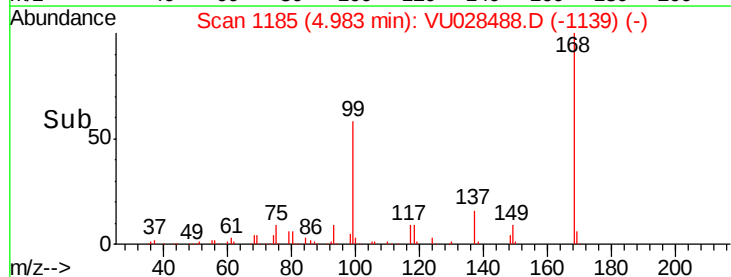
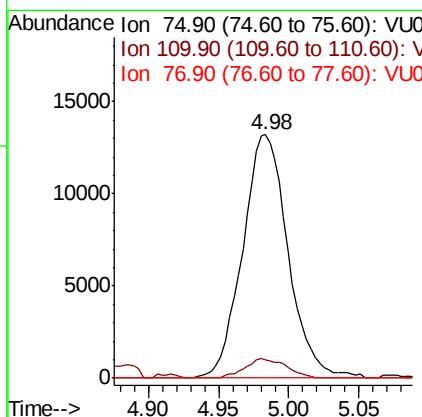
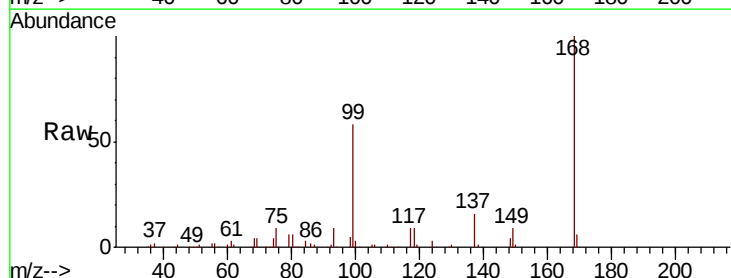
Instrument :
MSVOA_U
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TP-5RE

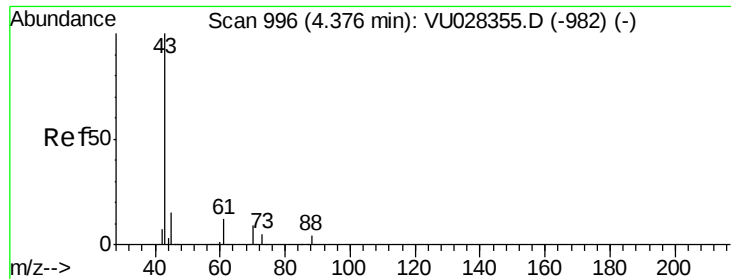
Tot Ion:113 Resp: 80670
Ion Ratio Lower Upper
113 100
111 100.2 82.9 124.3
192 19.6 15.4 23.0



#36
1,1-Dichloropropene
Concen: 4.180 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.15 min
Lab File: VU028488.D
Acq: 05 Dec 2018 18:16

Tgt Ion: 75 Resp: 29571
Ion Ratio Lower Upper
75 100
110 7.3 15.8 47.4#
77 0.0 24.6 36.8#

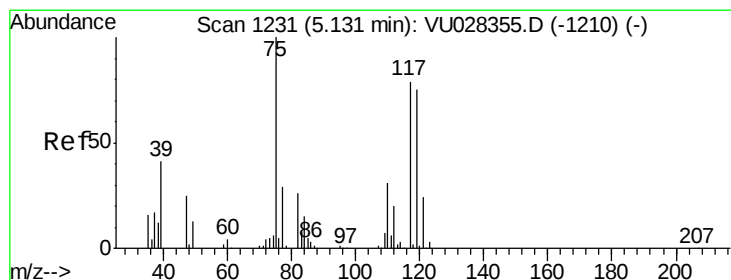
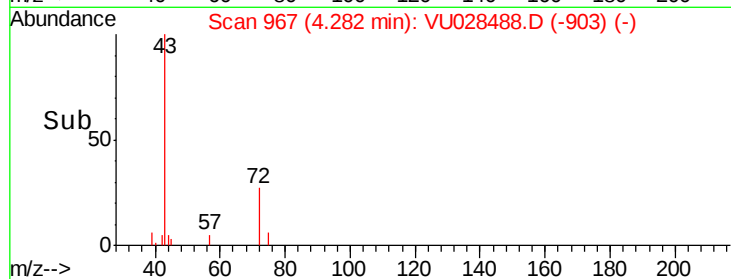
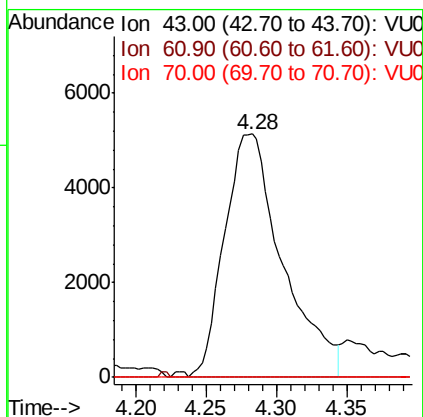
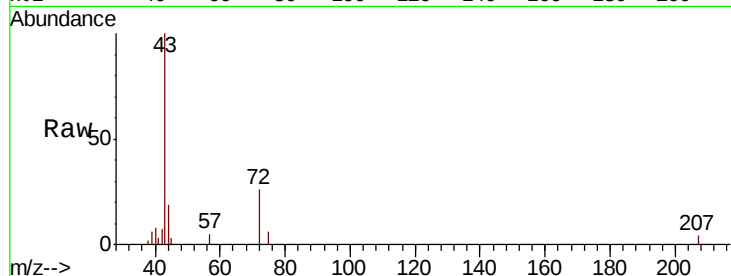




#37
Ethyl Acetate
Concen: 1.534 ug/l
RT: 4.28 min Scan# 967
Delta R.T. -0.09 min
Lab File: VU028488.D
Acq: 05 Dec 2018 18:16

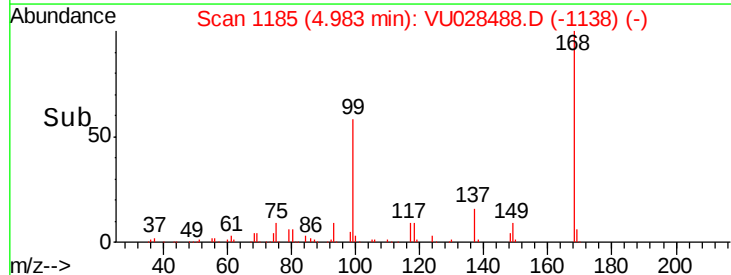
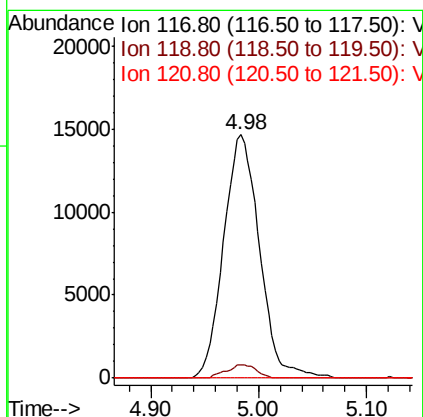
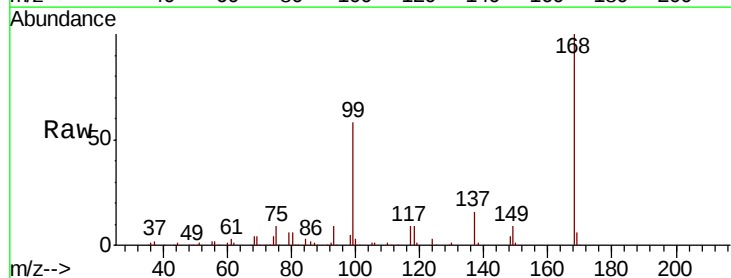
Instrument :
MSVOA_U
ClientSampleId :
TP-5RE

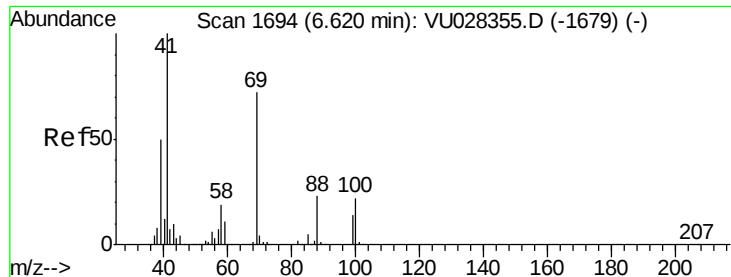
Tot Ion: 43 Resp: 14789
Ion Ratio Lower Upper
43 100
61 0.0 10.2 15.4#
70 0.0 6.9 10.3#



#38
Carbon Tetrachloride
Concen: 5.858 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.15 min
Lab File: VU028488.D
Acq: 05 Dec 2018 18:16

Tgt Ion: 117 Resp: 34028
Ion Ratio Lower Upper
117 100
119 5.7 76.3 114.5#
121 0.0 24.7 37.1#

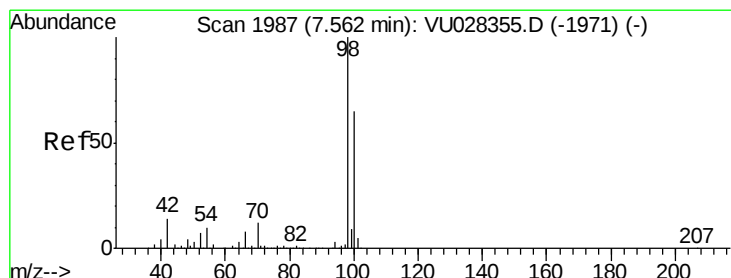
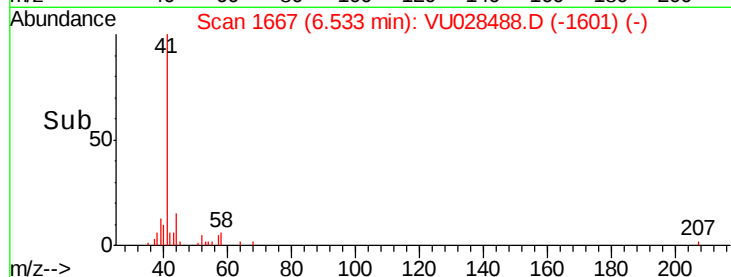
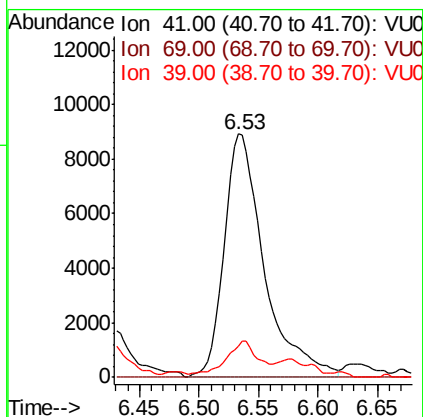
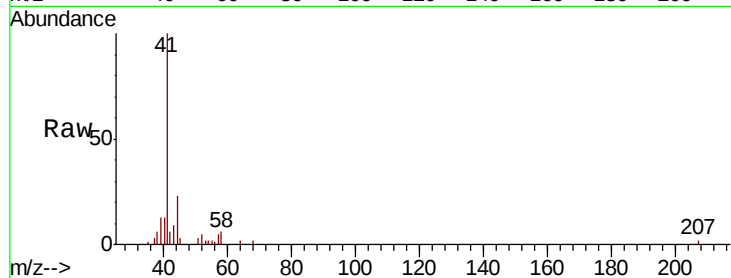




#48
Methvl methacrylate
Concen: 2.618 ug/l
RT: 6.53 min Scan# 1667
Delta R.T. -0.09 min
Lab File: VU028488.D
Acq: 05 Dec 2018 18:16

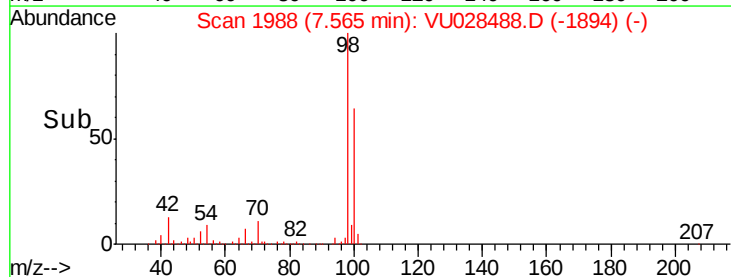
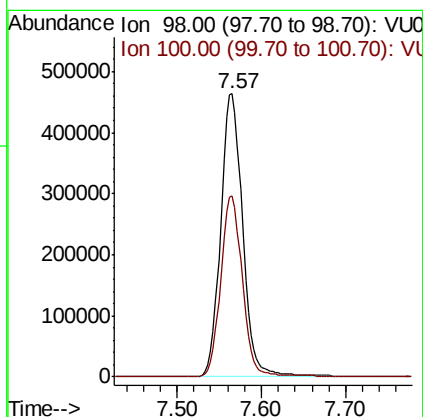
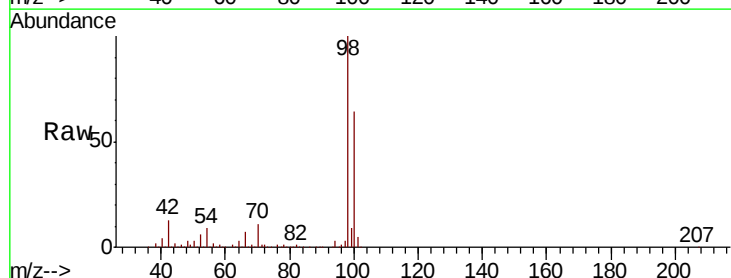
Instrument :
MSVOA_U
ClientSampleId :
TP-5RE

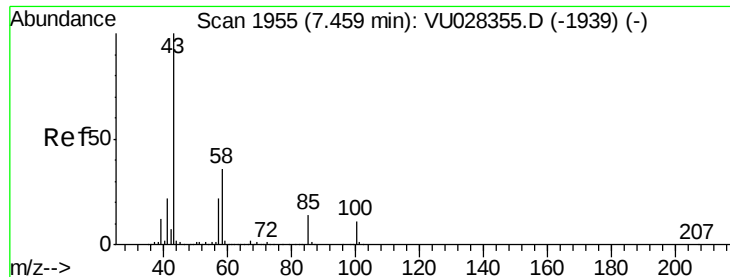
Tot Ion: 41 Resp: 20832
Ion Ratio Lower Upper
41 100
69 0.0 59.0 88.4#
39 10.2 40.5 60.7#



#50
Toluene-d8
Concen: 48.910 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU028488.D
Acq: 05 Dec 2018 18:16

Tgt Ion: 98 Resp: 840877
Ion Ratio Lower Upper
98 100
100 62.7 50.8 76.2





#51

4-Methyl-2-Pentanone

Concen: 0.715 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VU028488.D

Acq: 05 Dec 2018 18:16

Instrument :

MSVOA_U

ClientSampleId :

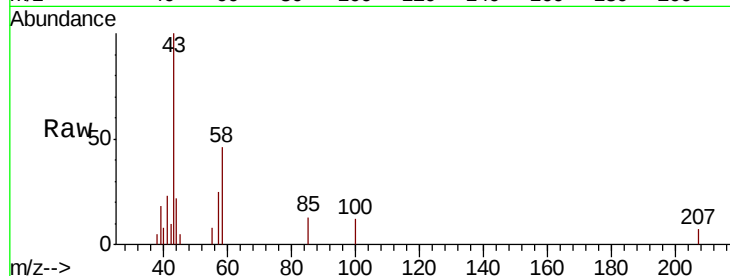
TP-5RE

Tot Ion: 43 Resp: 6974

Ion Ratio Lower Upper

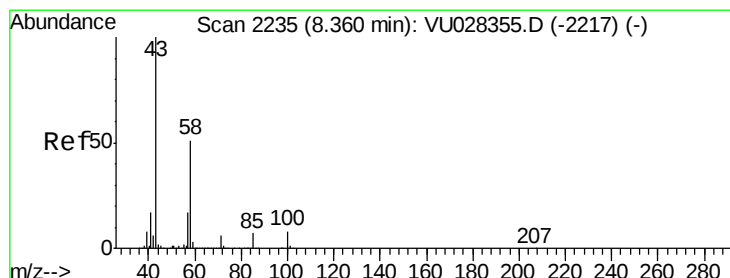
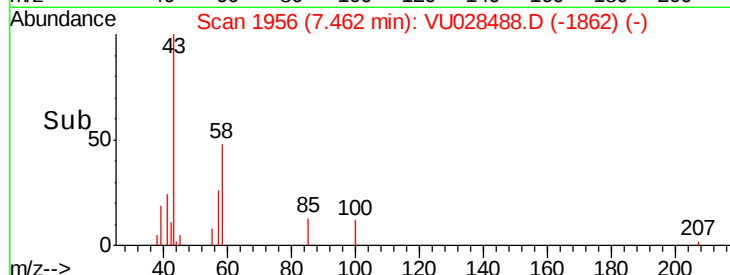
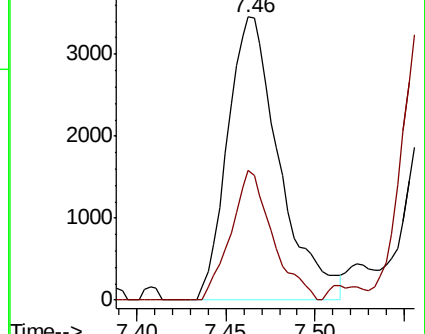
43 100

58 37.0 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: 0.275 ug/l

RT: 8.37 min Scan# 2239

Delta R.T. 0.01 min

Lab File: VU028488.D

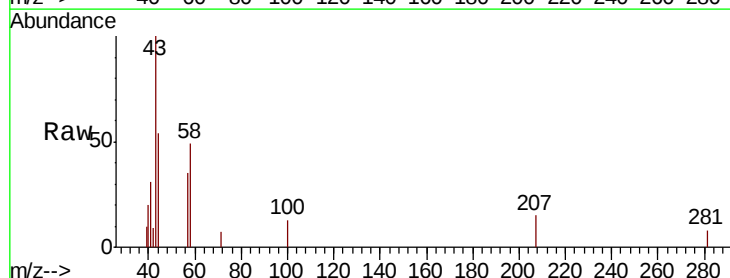
Acq: 05 Dec 2018 18:16

Tgt Ion: 43 Resp: 2079

Ion Ratio Lower Upper

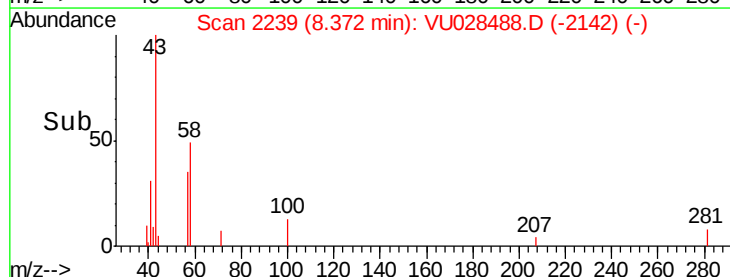
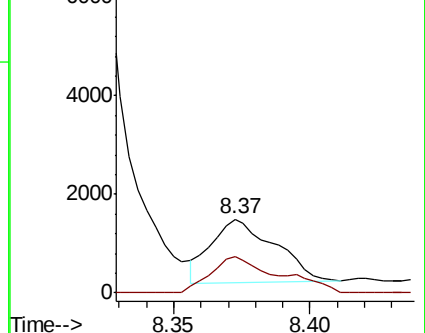
43 100

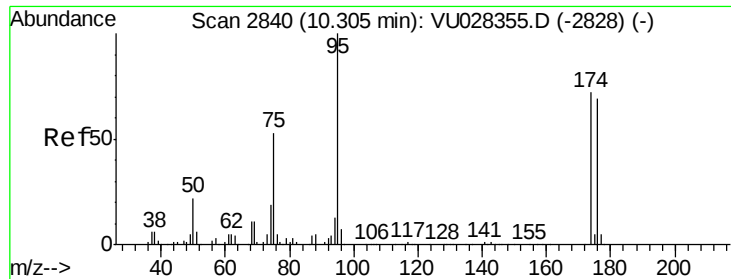
58 61.2 25.5 76.5



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

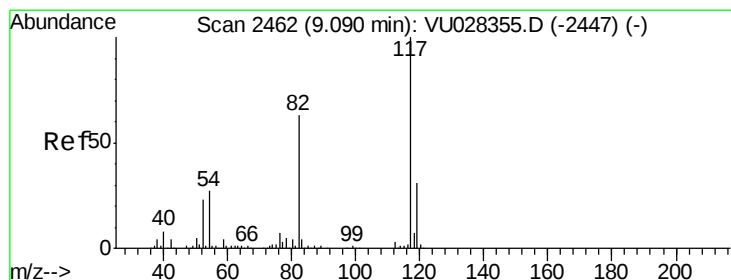
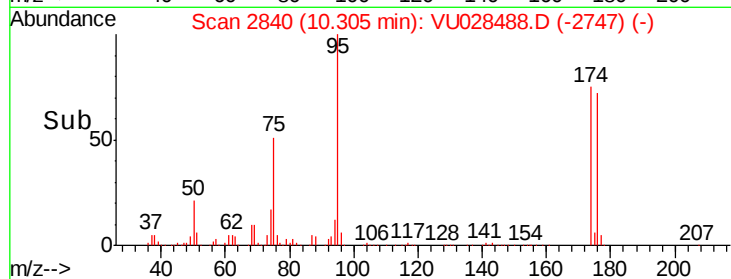
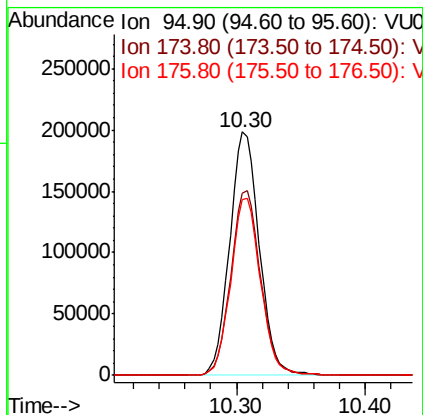
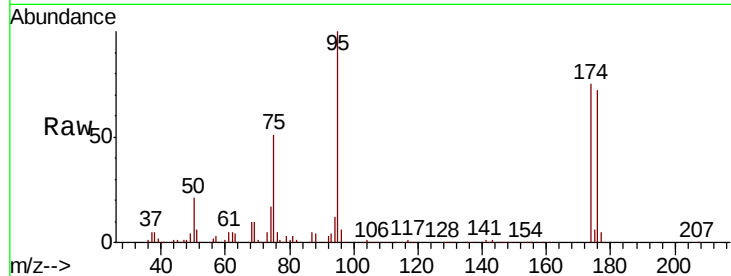




#62
4-Bromofluorobenzene
Concen: 51.130 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VU028488.D
Acq: 05 Dec 2018 18:16

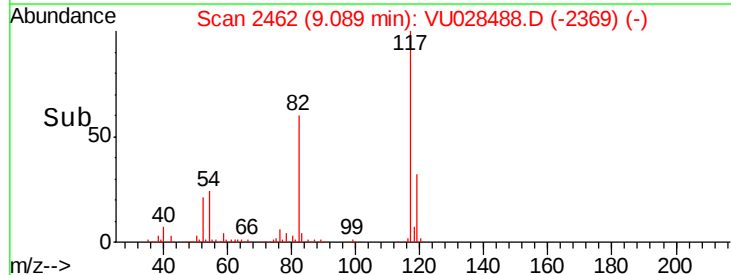
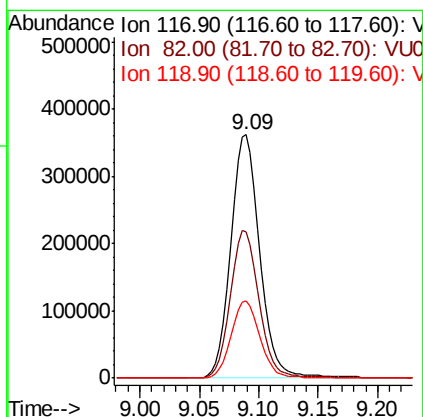
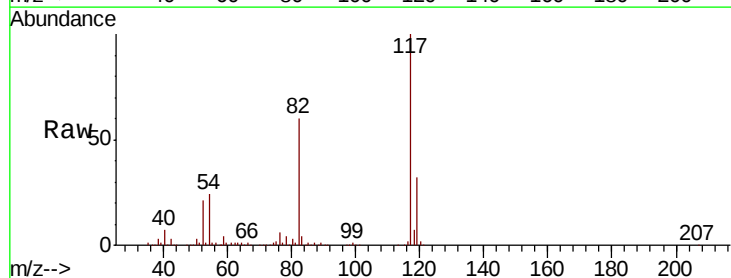
Instrument :
MSVOA_U
ClientSampleId :
TP-5RE

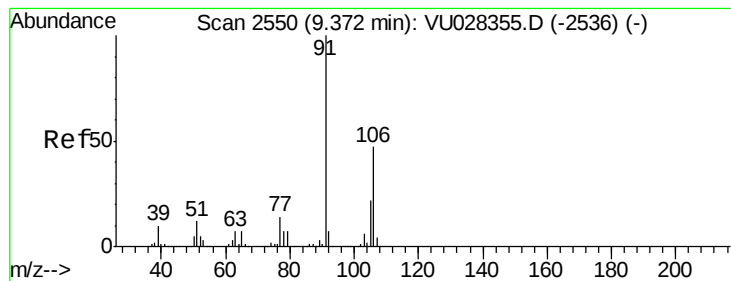
Tot Ion: 95 Resp: 316831
Ion Ratio Lower Upper
95 100
174 76.1 0.0 145.4
176 73.1 0.0 140.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028488.D
Acq: 05 Dec 2018 18:16

Tgt Ion: 117 Resp: 610212
Ion Ratio Lower Upper
117 100
82 60.1 50.3 75.5
119 31.7 24.8 37.2





#68

m/p-Xylenes

Concen: 0.502 ug/l

RT: 9.37 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VU028488.D

Acq: 05 Dec 2018 18:16

Instrument :

MSVOA_U

ClientSampleId :

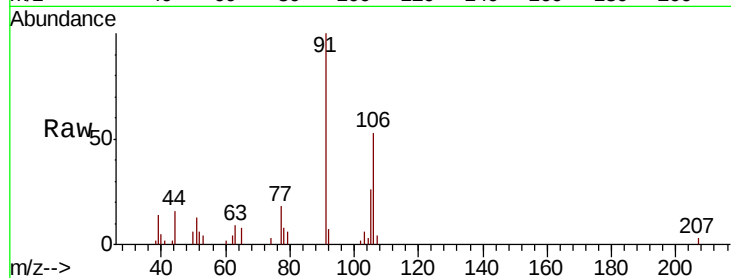
TP-5RE

Tot Ion:106 Resp: 4316

Ion Ratio Lower Upper

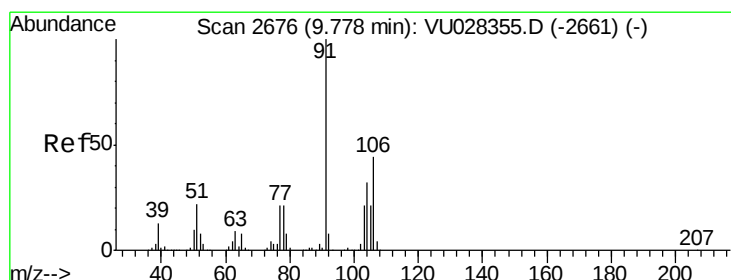
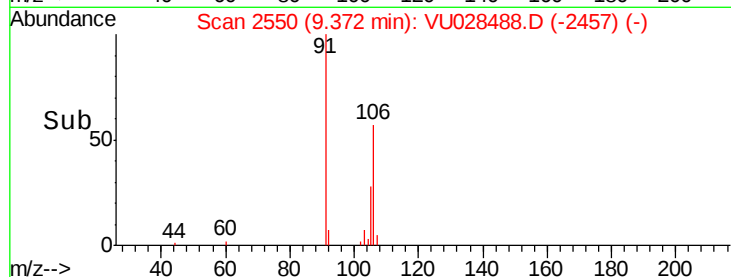
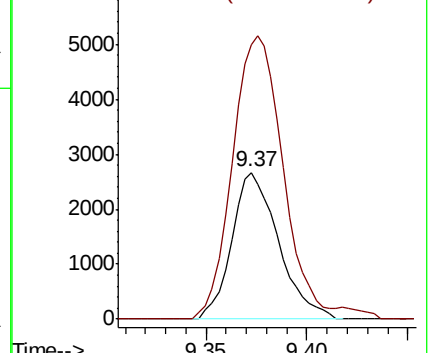
106 100

91 212.8 171.0 256.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#69

o-Xylene

Concen: 0.232 ug/l

RT: 9.78 min Scan# 2678

Delta R.T. 0.01 min

Lab File: VU028488.D

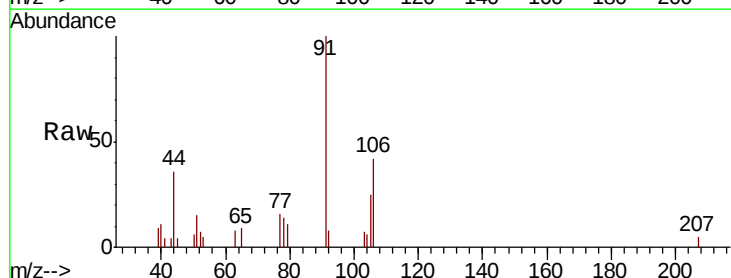
Acq: 05 Dec 2018 18:16

Tgt Ion:106 Resp: 1978

Ion Ratio Lower Upper

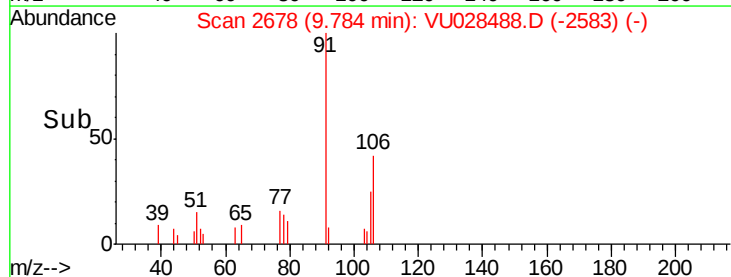
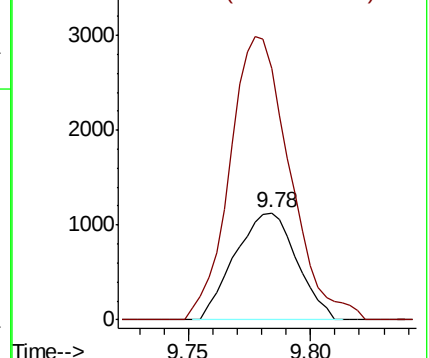
106 100

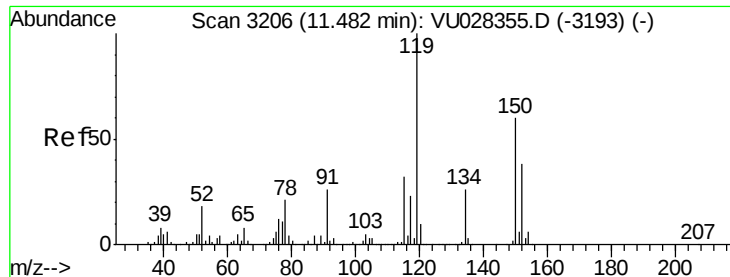
91 257.3 112.7 338.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



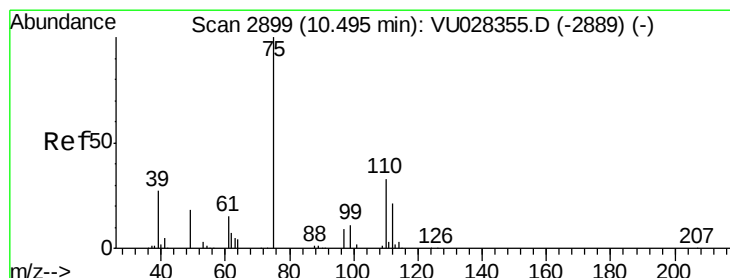
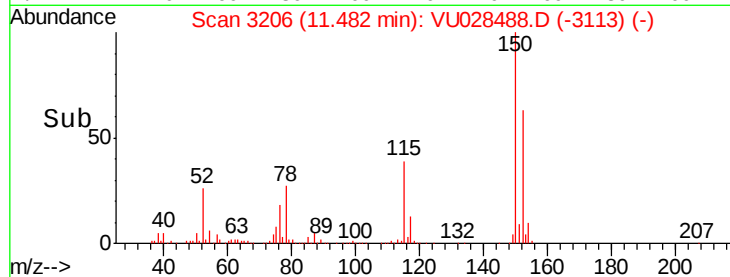
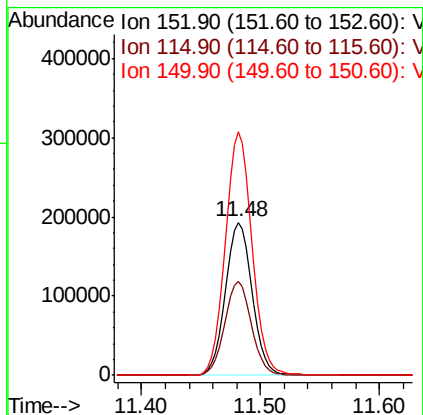
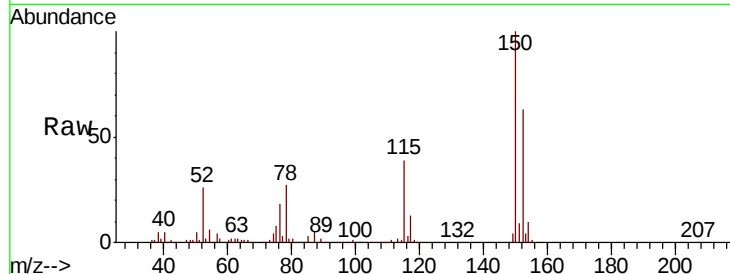


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. -0.00 min
Lab File: VU028488.D
Acq: 05 Dec 2018 18:16

Instrument :
MSVOA_U
ClientSampleId :
TP-5RE

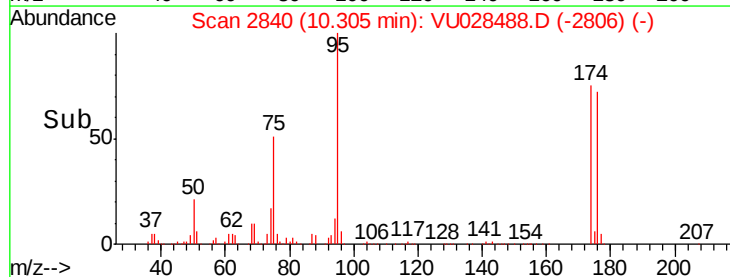
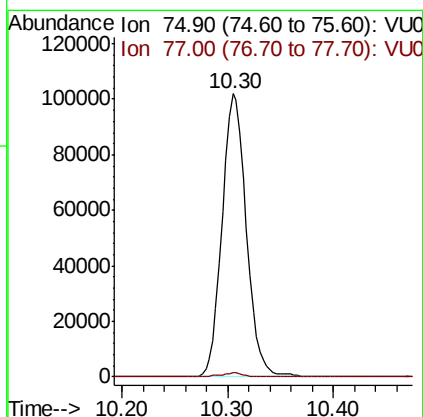
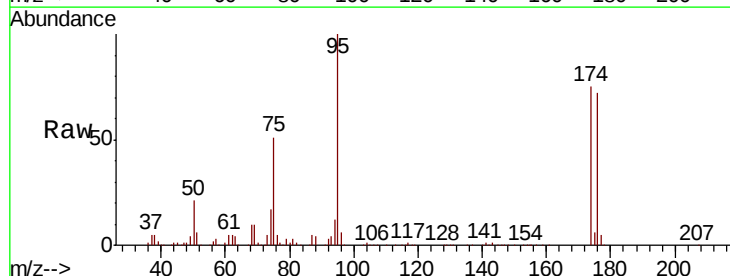
Tot Ion:152 Resp: 300295
Ion Ratio Lower Upper
152 100
115 61.3 45.0 134.8
150 158.7 0.0 349.2

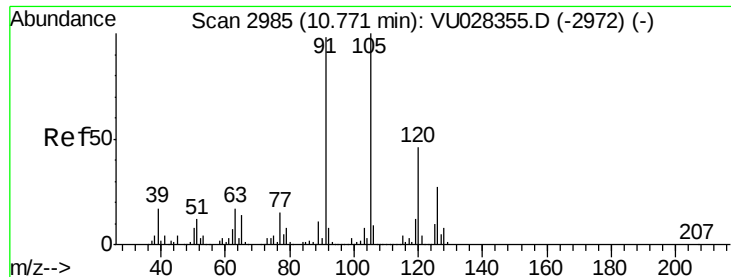


#76

1,2,3-Trichloropropane
Concen: 19.509 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. -0.19 min
Lab File: VU028488.D
Acq: 05 Dec 2018 18:16

Tgt Ion: 75 Resp: 162462
Ion Ratio Lower Upper
75 100
77 1.3 22.4 67.0#

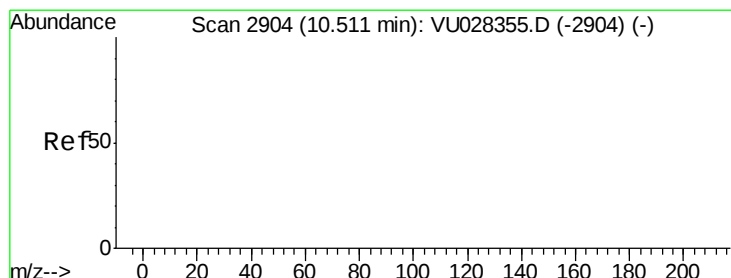
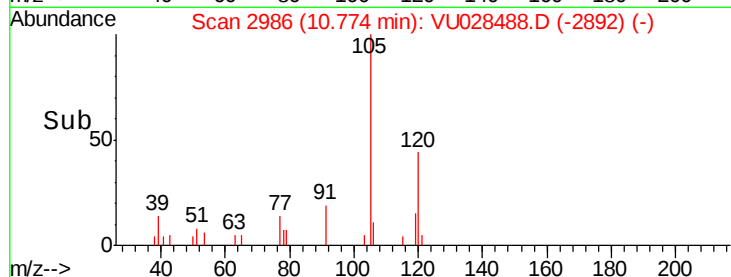
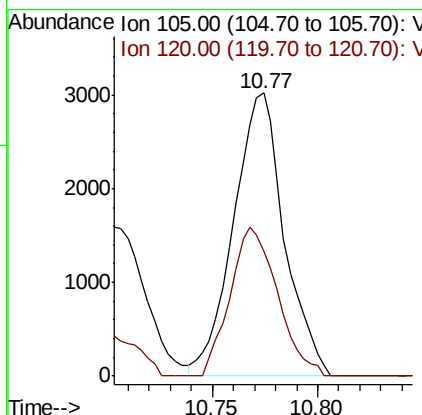
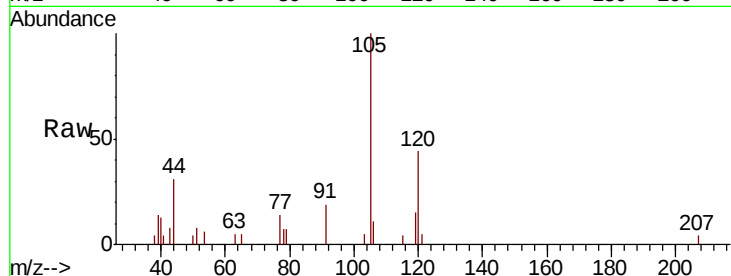




#80
 1,3,5-Trimethylbenzene
 Concen: 0.257 ug/l
 RT: 10.77 min Scan# 2986
 Delta R.T. 0.00 min
 Lab File: VU028488.D
 Acq: 05 Dec 2018 18:16

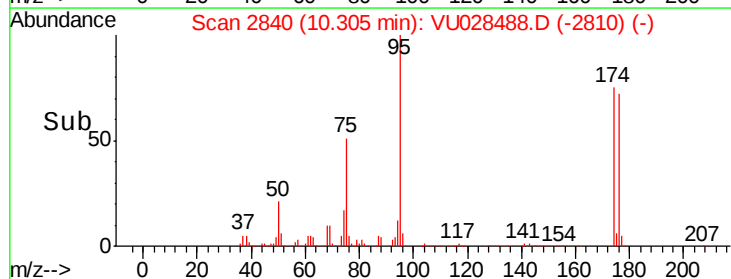
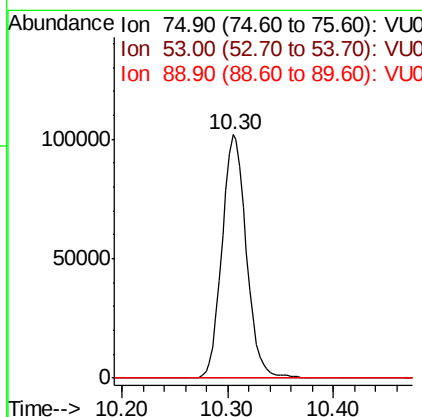
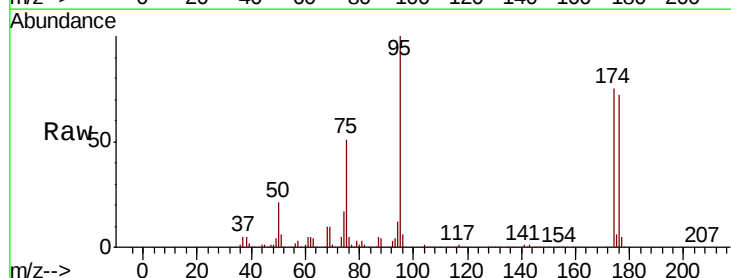
Instrument :
 MSVOA_U
 ClientSampleId :
 TP-5RE

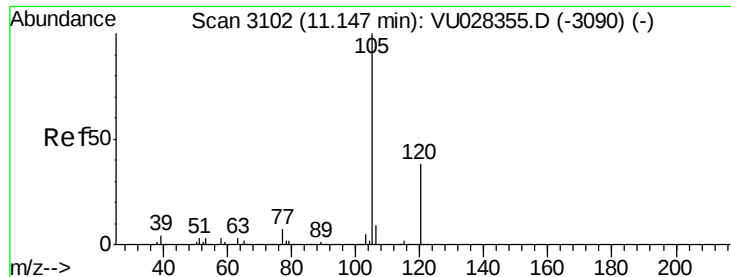
Tot Ion:105 Resp: 5052
 Ion Ratio Lower Upper
 105 100
 120 49.1 23.4 70.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 51.787 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. -0.20 min
 Lab File: VU028488.D
 Acq: 05 Dec 2018 18:16

Tgt Ion: 75 Resp: 162462
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0

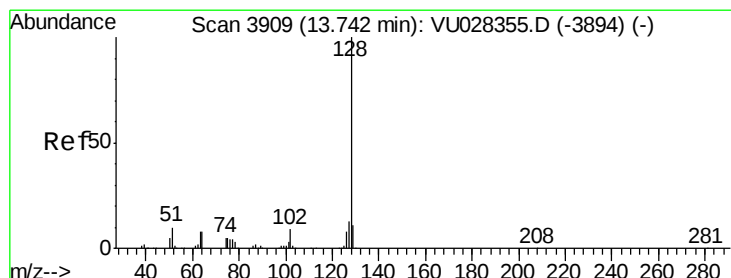
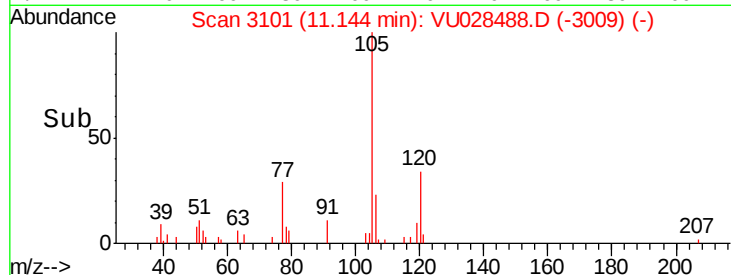
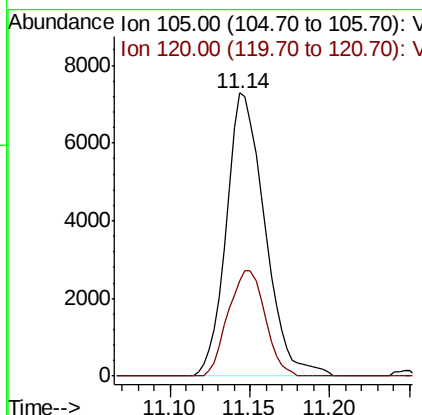
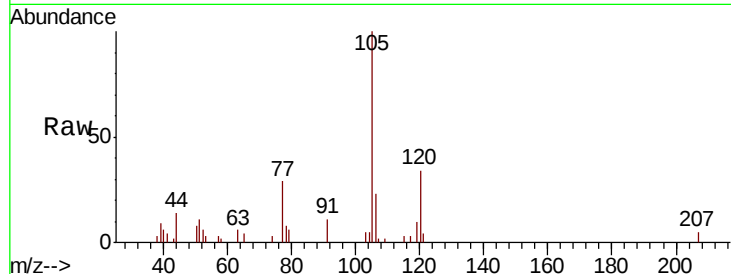




#84
 1,2,4-Trimethylbenzene
 Concen: 0.601 ug/l
 RT: 11.14 min Scan# 3101
 Delta R.T. -0.00 min
 Lab File: VU028488.D
 Acq: 05 Dec 2018 18:16

Instrument :
 MSVOA_U
 ClientSampleId :
 TP-5RE

Tot Ion:105 Resp: 11979
 Ion Ratio Lower Upper
 105 100
 120 35.6 21.4 64.3



#95
 Naphthalene
 Concen: 8.539 ug/l
 RT: 13.74 min Scan# 3909
 Delta R.T. -0.00 min
 Lab File: VU028488.D
 Acq: 05 Dec 2018 18:16

Tgt Ion:128 Resp: 152831
 Ion Ratio Lower Upper
 128 100
 127 12.8 10.6 15.8
 129 11.5 8.6 12.8

