

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120318\
 Data File : VU028450.D
 Acq On : 03 Dec 2018 18:38
 Operator : MD/SY
 Sample : J6149-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ENGINE-WASH

Quant Time: Dec 04 06:58:28 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	290277	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	550811	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	513619	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	250546	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	245935	50.70	ug/l	0.00
Spiked Amount			Recovery	=	101.40%	
35) Dibromofluoromethane	4.88	113	180830	49.37	ug/l	0.00
Spiked Amount			Recovery	=	98.74%	
50) Toluene-d8	7.57	98	713938	48.74	ug/l	0.00
Spiked Amount			Recovery	=	97.48%	
62) 4-Bromofluorobenzene	10.30	95	268642	50.88	ug/l	0.00
Spiked Amount			Recovery	=	101.76%	

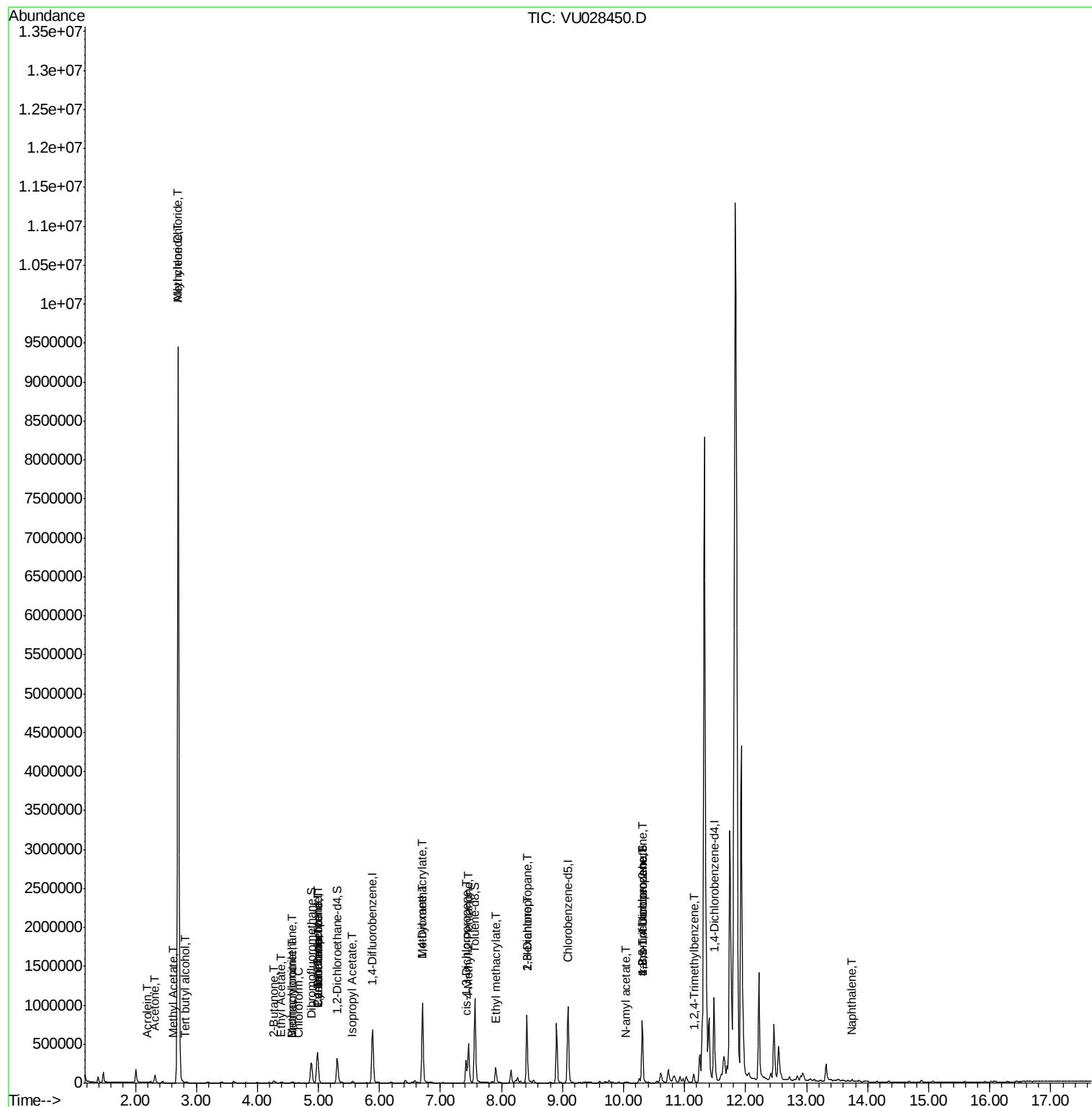
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.83	59	3387	3.073	ug/l #	93
13) Acrolein	2.19	56	1915	1.954	ug/l #	62
14) Allyl chloride	2.70	41	178750	22.062	ug/l #	26
16) Acetone	2.32	43	108024	36.401	ug/l	99
18) Methyl Acetate	2.62	43	4049	0.490	ug/l #	88
20) Methylene Chloride	2.70	84	3827413	915.679	ug/l	96
25) 2-Butanone	4.27	43	41306	9.712	ug/l	97
28) Bromochloromethane	4.55	49	5075	1.291	ug/l #	100
30) Chloroform	4.68	83	3640	0.501	ug/l	93
31) Cyclohexane	4.99	56	7279	0.520	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	25656	4.257	ug/l #	50
37) Ethyl Acetate	4.39	43	24093	2.933	ug/l #	85
38) Carbon Tetrachloride	4.98	117	28749	5.808	ug/l #	16
41) Methacrylonitrile	4.58	41	1556	0.341	ug/l #	46
43) Isopropyl Acetate	5.55	43	25357	1.948	ug/l	98
48) Methyl methacrylate	6.70	41	90521	13.351	ug/l #	47
49) 1,4-Dioxane	6.70	88	52	0.480	ug/l #	1
51) 4-Methyl-2-Pentanone	7.46	43	357812	43.040	ug/l	98
54) cis-1,3-Dichloropropene	7.42	75	51746	6.763	ug/l #	56
56) Ethyl methacrylate	7.91	69	30889	4.244	ug/l #	79
57) 1,3-Dichloropropane	8.41	76	8781	1.119	ug/l #	43
59) 2-Hexanone	8.41	43	122302	18.992	ug/l #	55
74) N-ethyl acetate	10.03	43	3242	0.266	ug/l #	79
76) 1,2,3-Trichloropropane	10.30	75	138509	19.936	ug/l #	34
81) trans-1,4-Dichloro-2-buten	10.30	75	138509	52.919	ug/l #	100
84) 1,2,4-Trimethylbenzene	11.15	105	4202	0.253	ug/l	94
95) Naphthalene	13.74	128	19842	3.723	ug/l	96

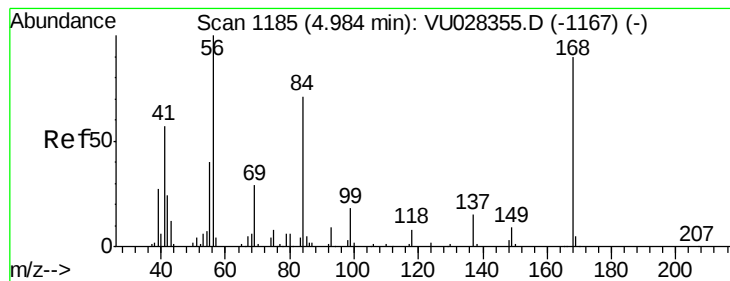
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VU028450.D

Acq: 03 Dec 2018 18:38

Instrument :

MSVOA_U

ClientSampleId :

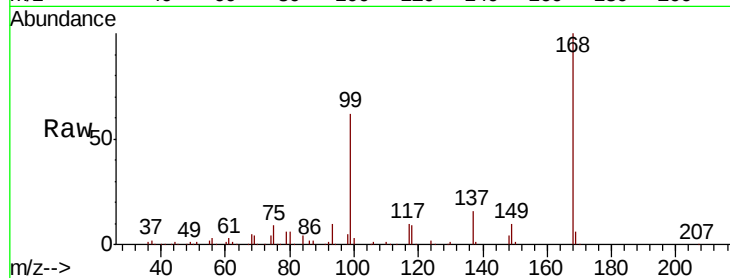
ENGINE-WASH

Tot Ion:168 Resp: 290277

Ion Ratio Lower Upper

168 100

99 62.0 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

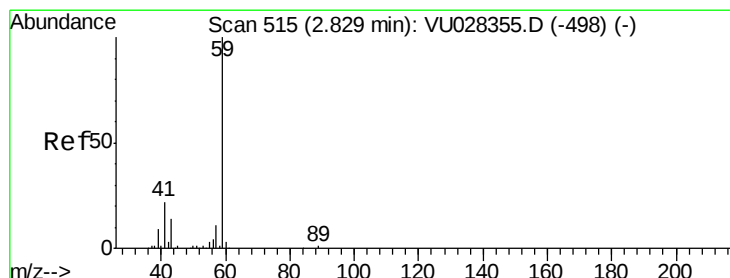
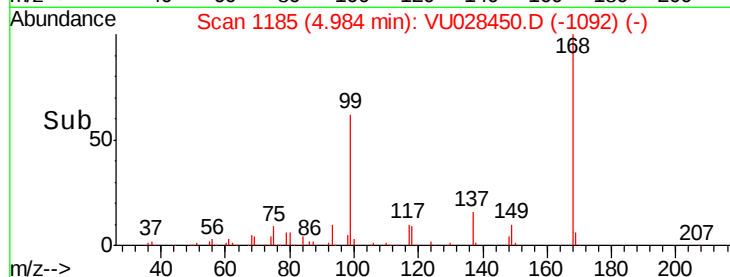
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 3.073 ug/l

RT: 2.83 min Scan# 515

Delta R.T. 0.00 min

Lab File: VU028450.D

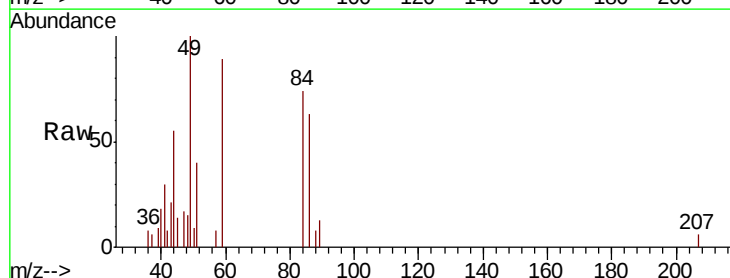
Acq: 03 Dec 2018 18:38

Tgt Ion: 59 Resp: 3387

Ion Ratio Lower Upper

59 100

57 7.6 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

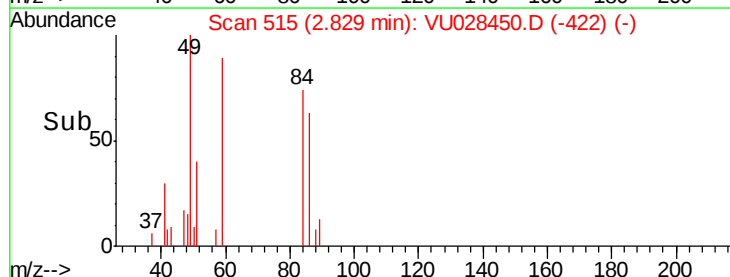
1500

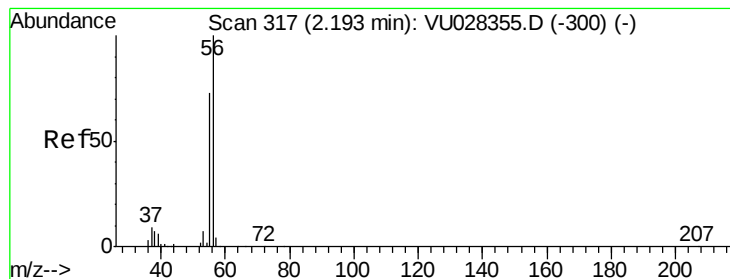
1000

500

0

Time-->





#13

Acrolein

Concen: 1.954 ug/l

RT: 2.19 min Scan# 317

Delta R.T. 0.00 min

Lab File: VU028450.D

Acq: 03 Dec 2018 18:38

Instrument :

MSVOA_U

ClientSampleId :

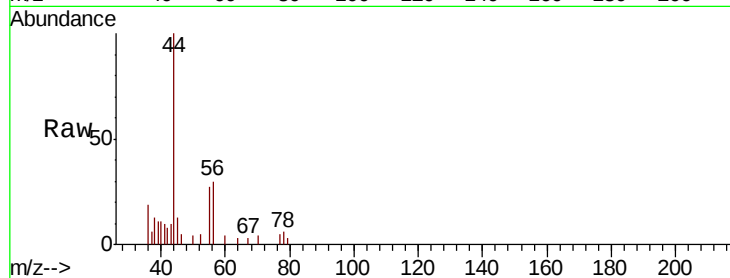
ENGINE-WASH

Tot Ion: 56 Resp: 1915

Ion Ratio Lower Upper

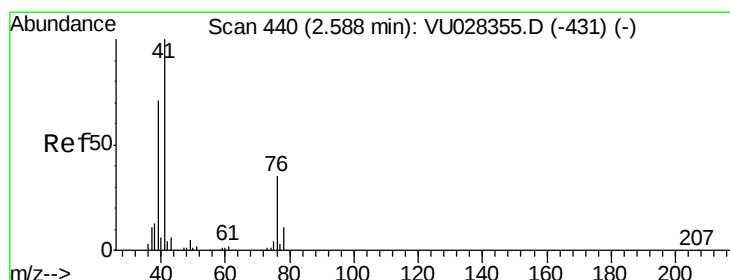
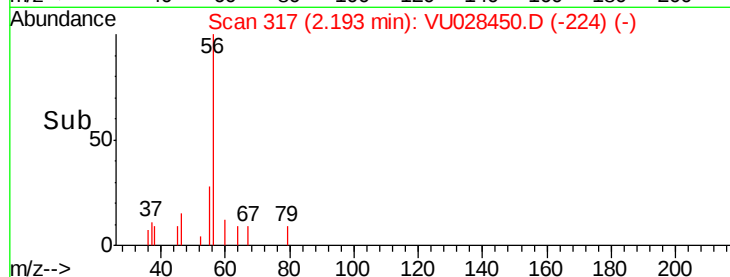
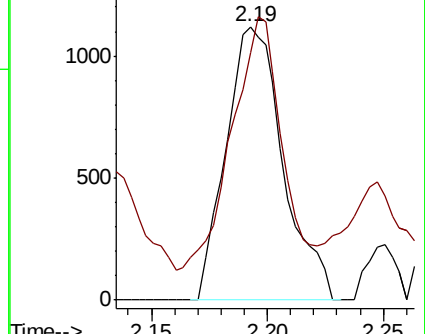
56 100

55 101.9 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 22.062 ug/l

RT: 2.70 min Scan# 475

Delta R.T. 0.11 min

Lab File: VU028450.D

Acq: 03 Dec 2018 18:38

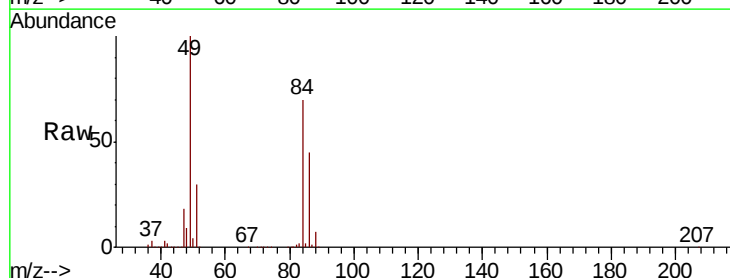
Tgt Ion: 41 Resp: 178750

Ion Ratio Lower Upper

41 100

39 0.2 51.6 77.4#

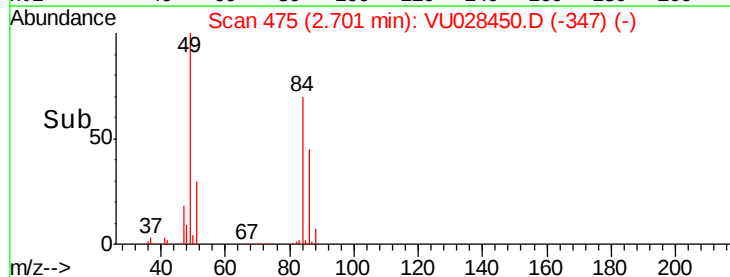
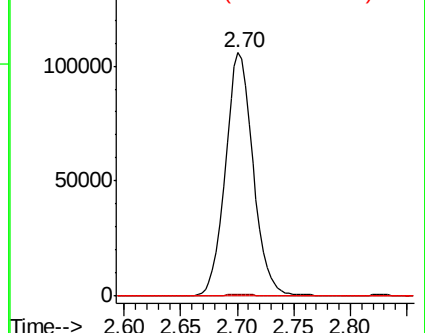
76 0.0 24.4 36.6#

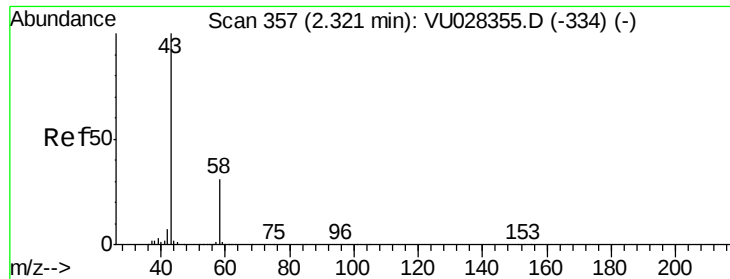


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#16

Acetone

Concen: 36.401 ug/l

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU028450.D

Acq: 03 Dec 2018 18:38

Instrument :

MSVOA_U

ClientSampleId :

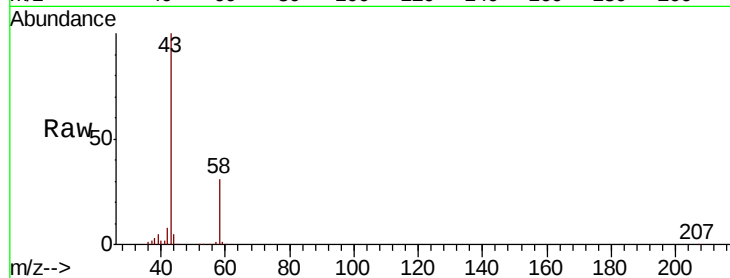
ENGINE-WASH

Tot Ion: 43 Resp: 108024

Ion Ratio Lower Upper

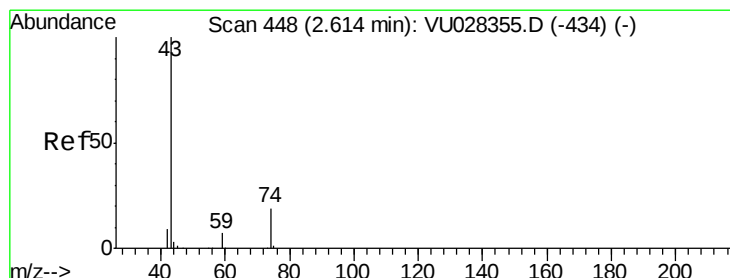
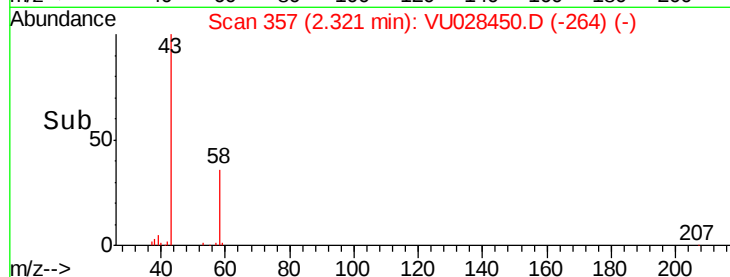
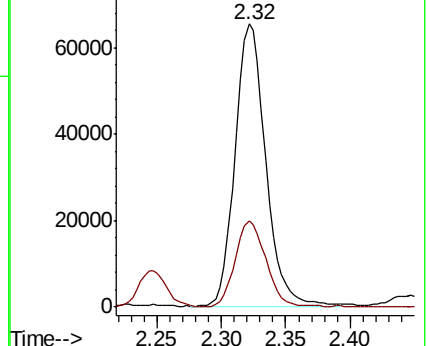
43 100

58 30.2 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU028355.D (-334) (-)

Ion 58.00 (57.70 to 58.70): VU028355.D (-334) (-)



#18

Methyl Acetate

Concen: 0.490 ug/l

RT: 2.62 min Scan# 451

Delta R.T. 0.01 min

Lab File: VU028450.D

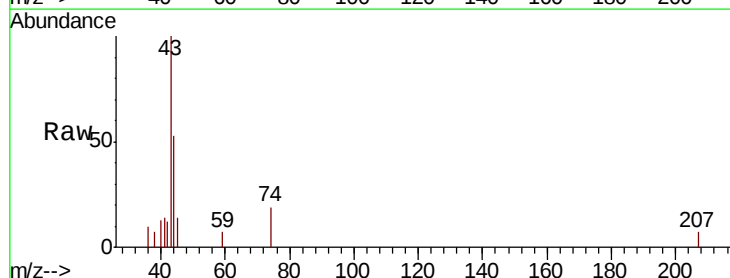
Acq: 03 Dec 2018 18:38

Tgt Ion: 43 Resp: 4049

Ion Ratio Lower Upper

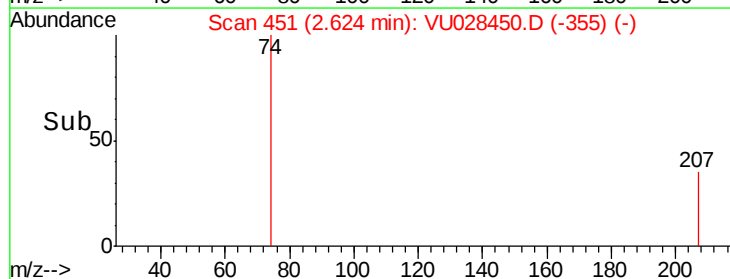
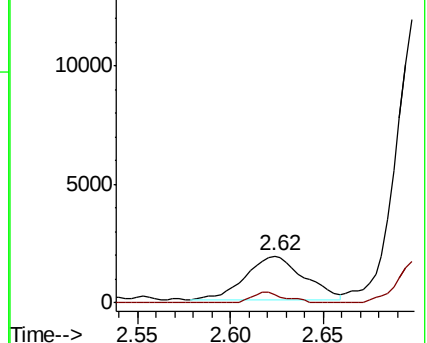
43 100

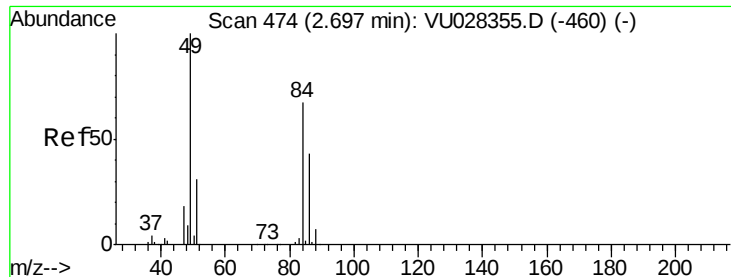
74 13.8 15.3 22.9#



Abundance Ion 43.00 (42.70 to 43.70): VU028355.D (-434) (-)

Ion 74.00 (73.70 to 74.70): VU028355.D (-434) (-)



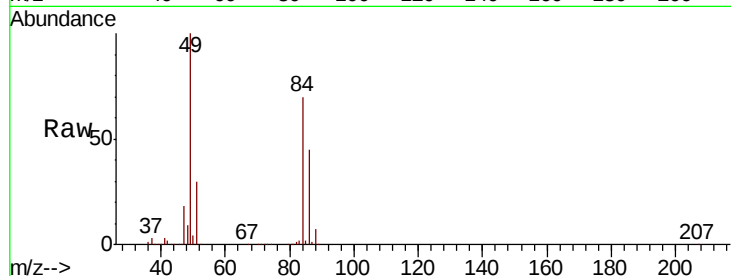


#20
Methvlene Chloride
Concen: 915.679 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU028450.D
Acq: 03 Dec 2018 18:38

Instrument :
MSVOA_U
ClientSampleId :
ENGINE-WASH

Tot Ion: 84 Resp: 3827413

Ion	Ratio	Lower	Upper
84	100		
49	142.2	120.0	180.0
51	43.1	36.9	55.3
86	63.6	51.1	76.7



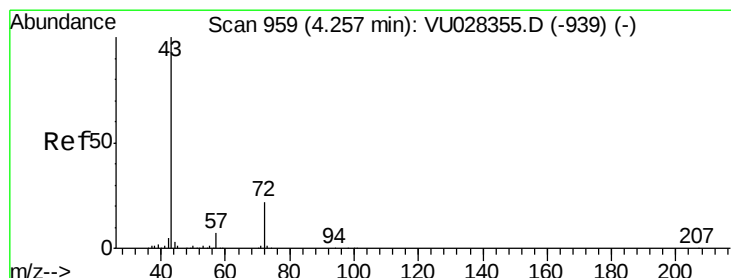
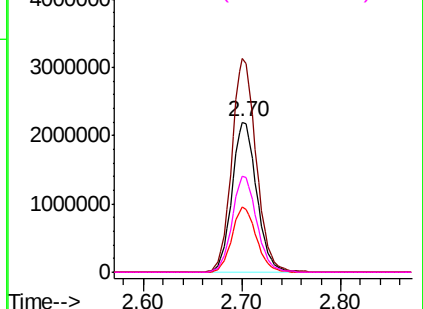
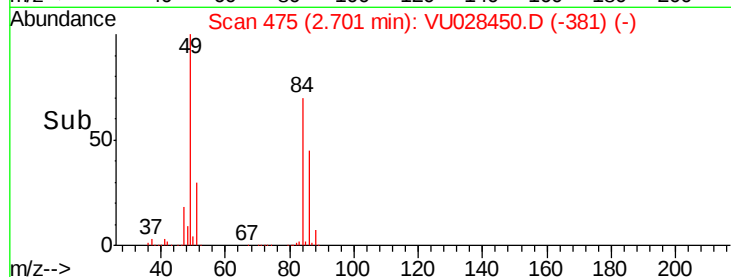
Abundance

Ion 83.90 (83.60 to 84.60): VU0

Ion 48.90 (48.60 to 49.60): VU0

Ion 50.90 (50.60 to 51.60): VU0

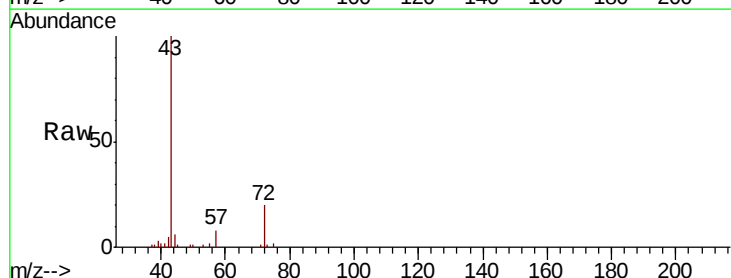
Ion 85.90 (85.60 to 86.60): VU0



#25
2-Butanone
Concen: 9.712 ug/l
RT: 4.27 min Scan# 963
Delta R.T. 0.01 min
Lab File: VU028450.D
Acq: 03 Dec 2018 18:38

Tgt Ion: 43 Resp: 41306

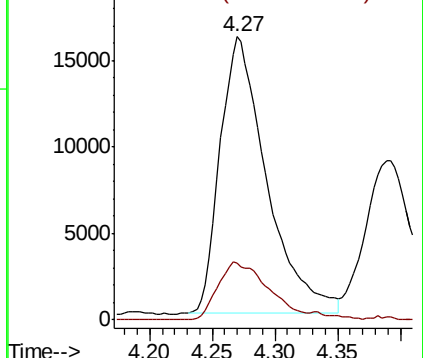
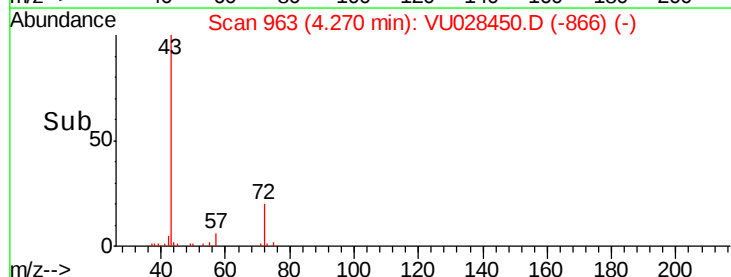
Ion	Ratio	Lower	Upper
43	100		
72	20.5	17.7	26.5

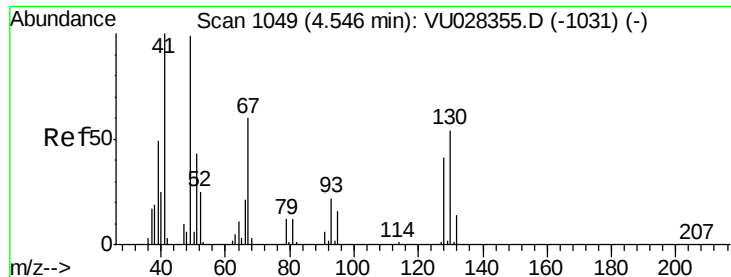


Abundance

Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0





#28

Bromochloromethane

Concen: 1.291 ug/l

RT: 4.55 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VU028450.D

Acq: 03 Dec 2018 18:38

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MSVOA_U

ClientSampleId :

ENGINE-WASH

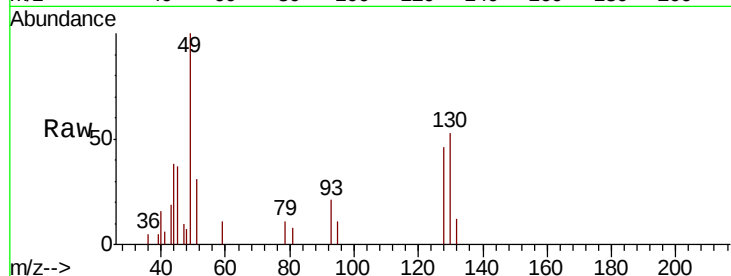
Tot Ion: 49 Resp: 5075

Ion Ratio Lower Upper

49 100

129 0.0 0.0 2.6

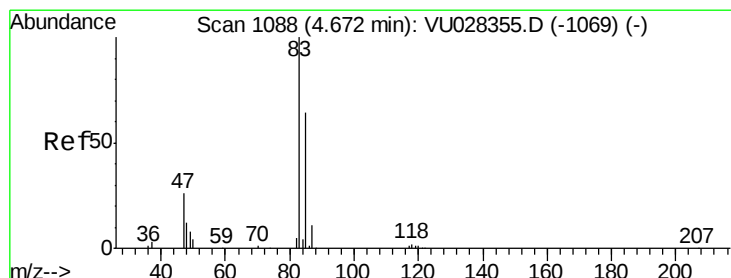
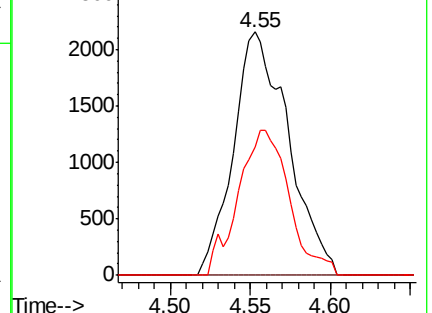
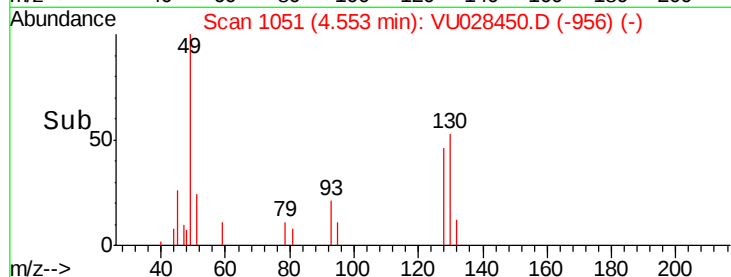
130 55.3 44.5 66.7



Abundance Ion 48.90 (48.60 to 49.60): VU0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#30

Chloroform

Concen: 0.501 ug/l

RT: 4.68 min Scan# 1090

Delta R.T. 0.01 min

Lab File: VU028450.D

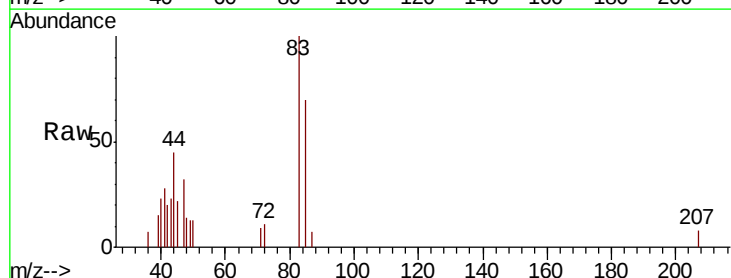
Acq: 03 Dec 2018 18:38

Tgt Ion: 83 Resp: 3640

Ion Ratio Lower Upper

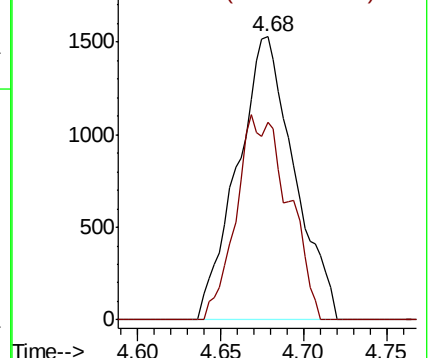
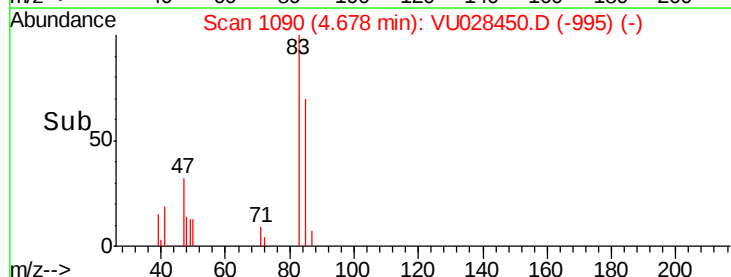
83 100

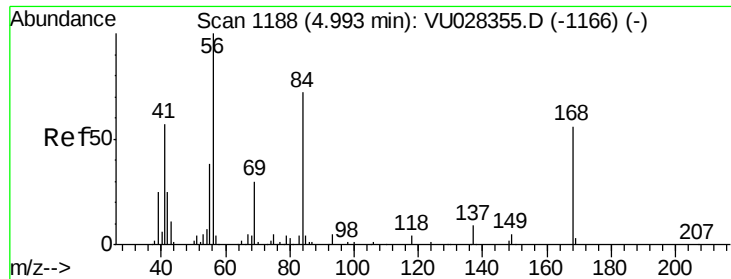
85 69.8 51.2 76.8



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0





#31

Cyclohexane

Concen: 0.520 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.01 min

Lab File: VU028450.D

Acq: 03 Dec 2018 18:38

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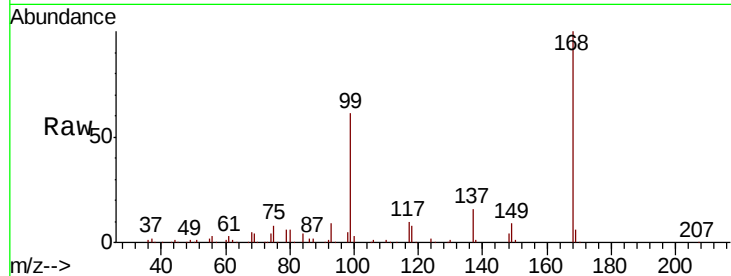
Tot Ion: 56 Resp: 7279

Ion Ratio Lower Upper

56 100

69 144.0 23.7 35.5#

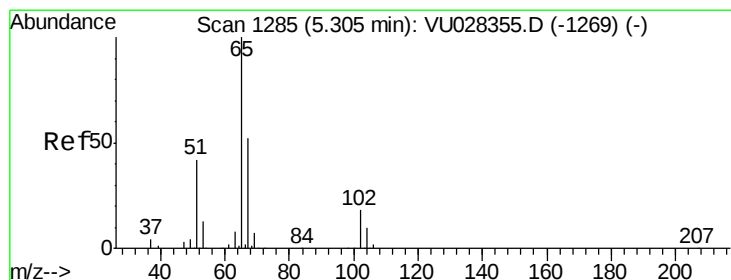
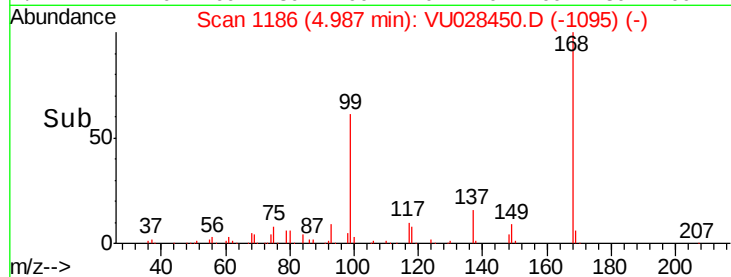
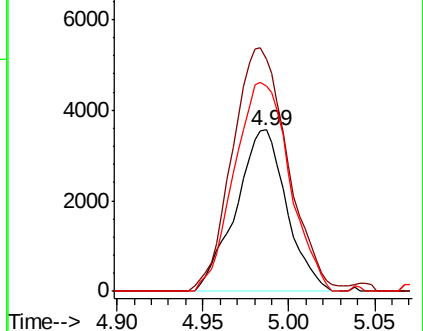
84 127.5 57.3 85.9#



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: 50.695 ug/l

RT: 5.31 min Scan# 1286

Delta R.T. 0.00 min

Lab File: VU028450.D

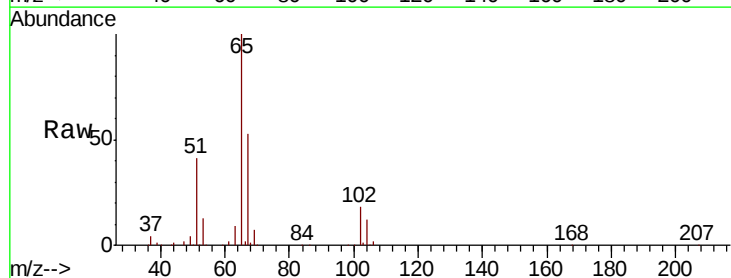
Acq: 03 Dec 2018 18:38

Tgt Ion: 65 Resp: 245935

Ion Ratio Lower Upper

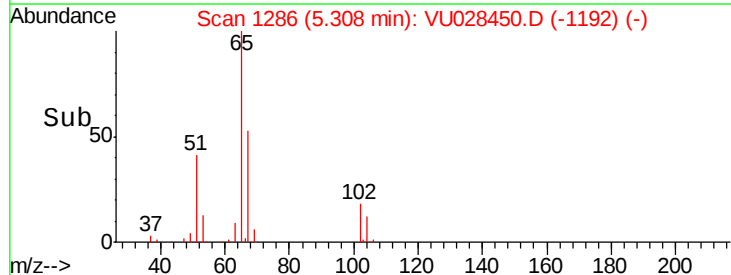
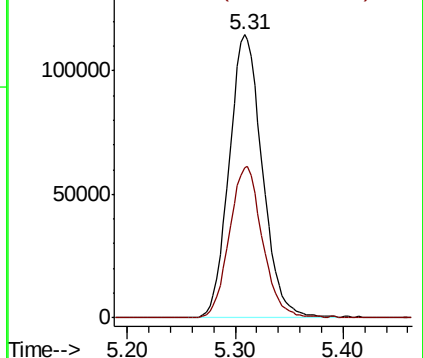
65 100

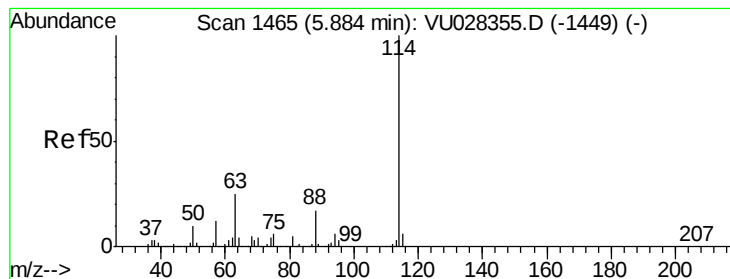
67 53.3 0.0 106.8



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: VU028450.D

Acq: 03 Dec 2018 18:38

Instrument :

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ENGINE-WASH

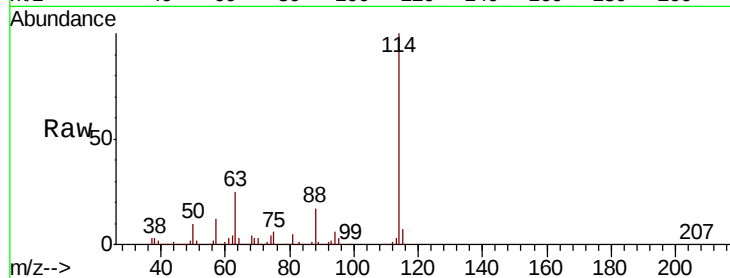
Tot Ion:114 Resp: 550811

Ion Ratio Lower Upper

114 100

63 24.6 0.0 50.0

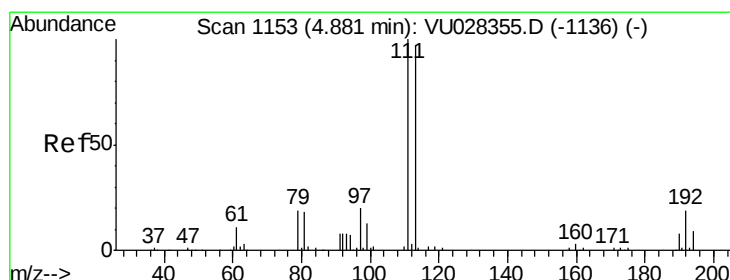
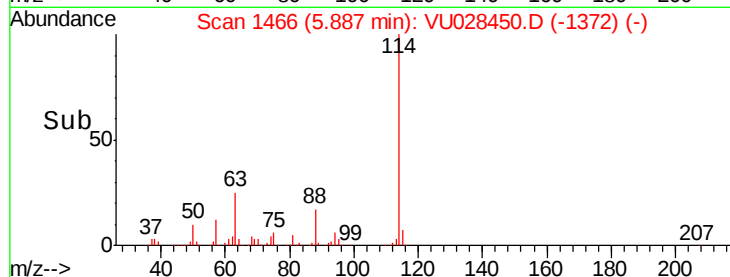
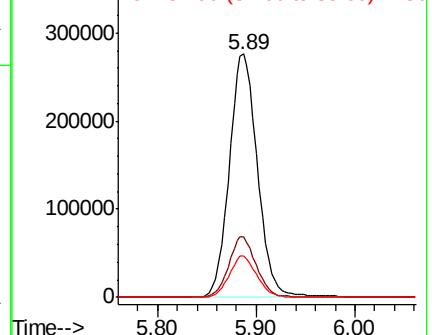
88 17.1 0.0 34.4



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: 49.371 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VU028450.D

Acq: 03 Dec 2018 18:38

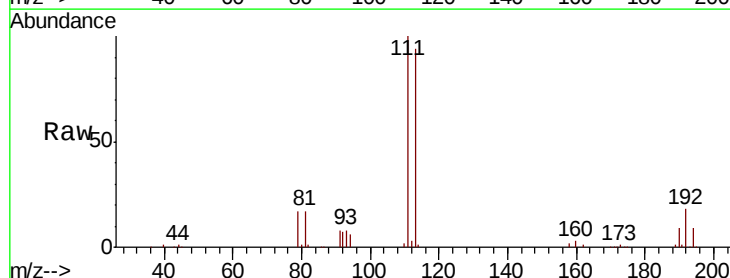
Tgt Ion:113 Resp: 180830

Ion Ratio Lower Upper

113 100

111 103.9 82.9 124.3

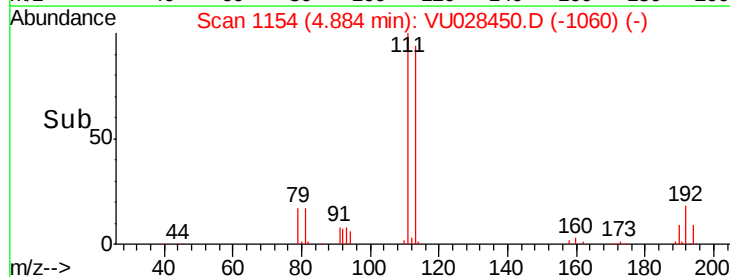
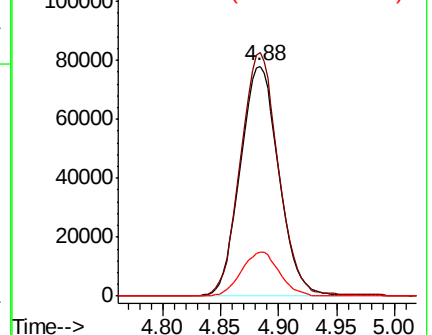
192 18.9 15.4 23.0

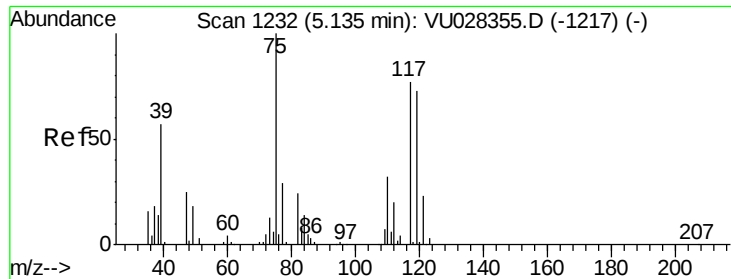


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.257 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.15 min

Lab File: VU028450.D

Acq: 03 Dec 2018 18:38

Instrument :

MSVOA_U

ClientSampleId :

ENGINE-WASH

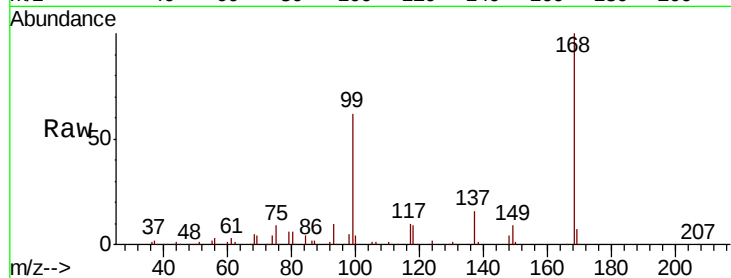
Tot Ion: 75 Resp: 25656

Ion Ratio Lower Upper

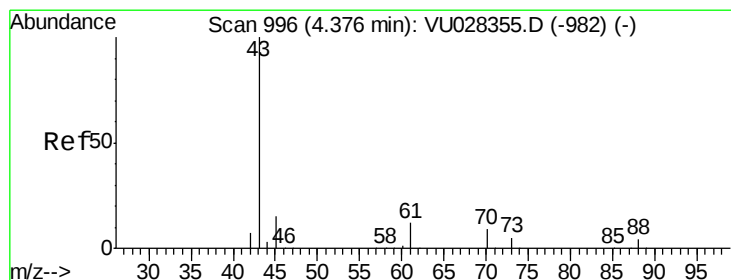
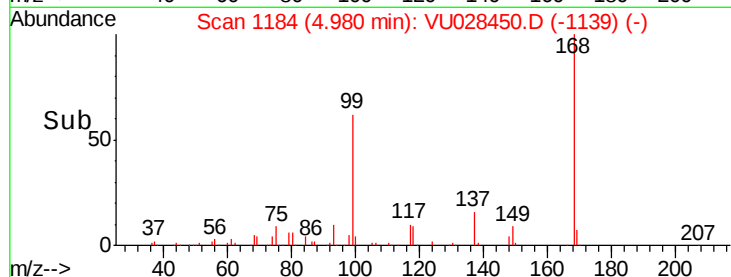
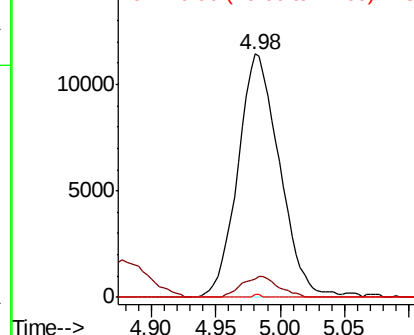
75 100

110 7.5 15.8 47.4#

77 0.2 24.6 36.8#



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



#37

Ethyl Acetate

Concen: 2.933 ug/l

RT: 4.39 min Scan# 1000

Delta R.T. 0.01 min

Lab File: VU028450.D

Acq: 03 Dec 2018 18:38

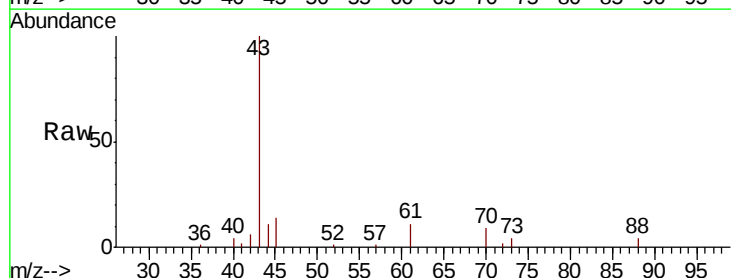
Tgt Ion: 43 Resp: 24093

Ion Ratio Lower Upper

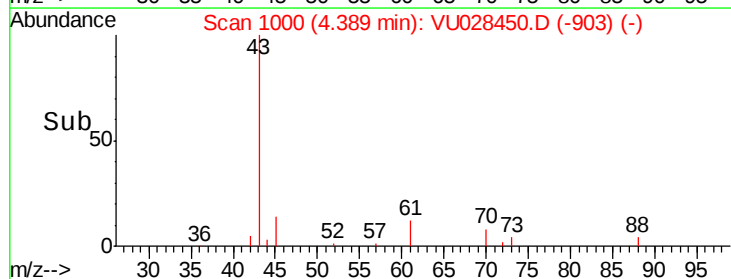
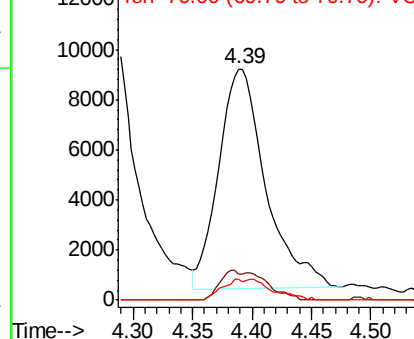
43 100

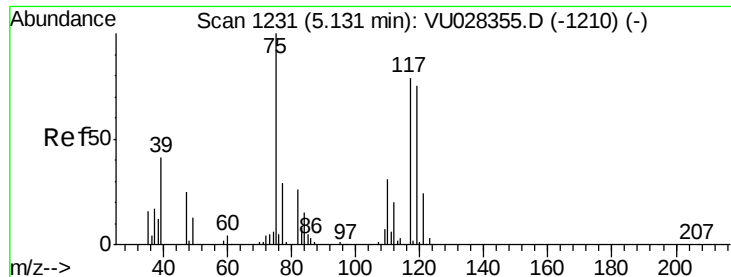
61 6.3 10.2 15.4#

70 4.2 6.9 10.3#



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 70.00 (69.70 to 70.70): VU0





#38

Carbon Tetrachloride

Concen: 5.808 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028450.D

Acq: 03 Dec 2018 18:38

Instrument :

MSVOA_U

ClientSampleId :

ENGINE-WASH

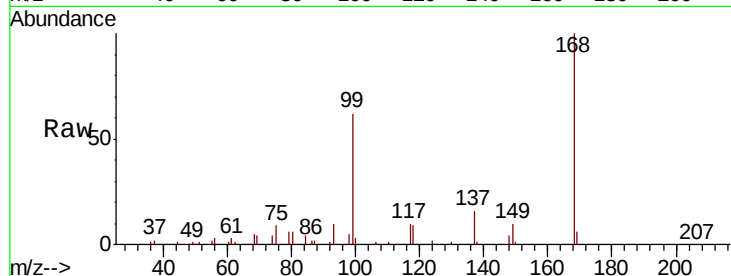
Tot Ion:117 Resp: 28749

Ion Ratio Lower Upper

117 100

119 4.4 76.3 114.5#

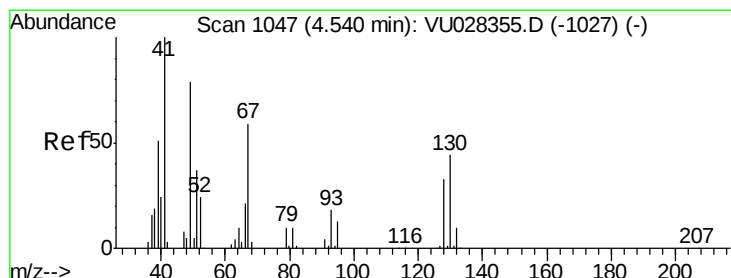
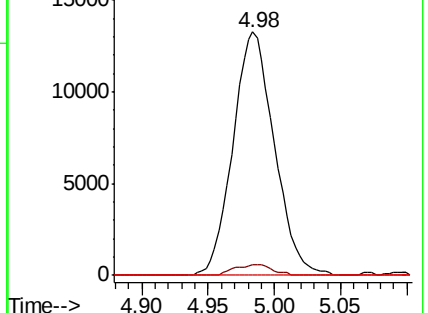
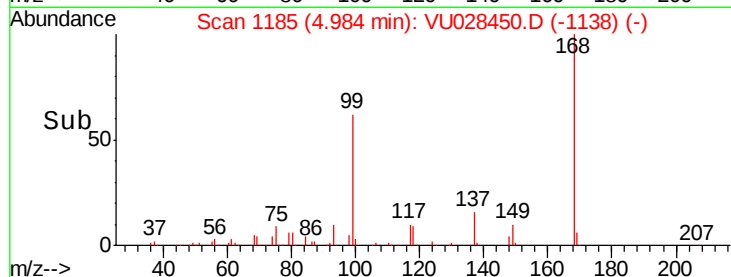
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#41

Methacrylonitrile

Concen: 0.341 ug/l

RT: 4.58 min Scan# 1060

Delta R.T. 0.04 min

Lab File: VU028450.D

Acq: 03 Dec 2018 18:38

Tgt Ion: 41 Resp: 1556

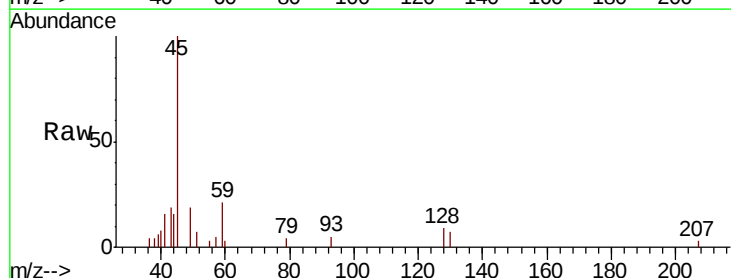
Ion Ratio Lower Upper

41 100

39 32.9 41.3 61.9#

67 0.0 48.6 73.0#

52 0.0 19.4 29.0#

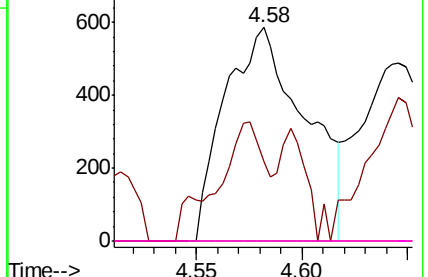
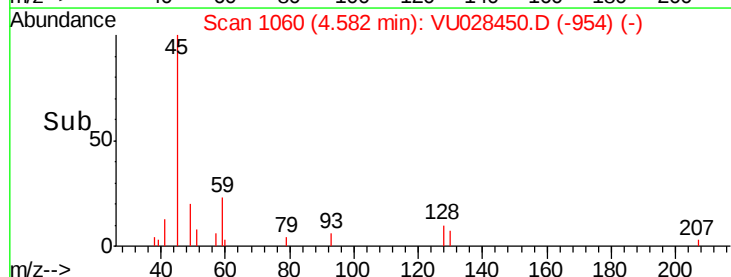


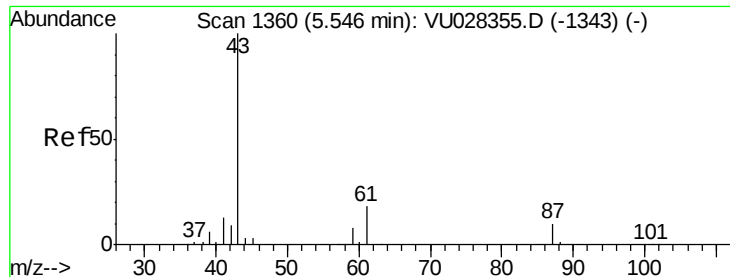
Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#43

Isopropyl Acetate

Concen: 1.948 ug/l

RT: 5.55 min Scan# 1362

Delta R.T. 0.01 min

Lab File: VU028450.D

Acq: 03 Dec 2018 18:38

Instrument :

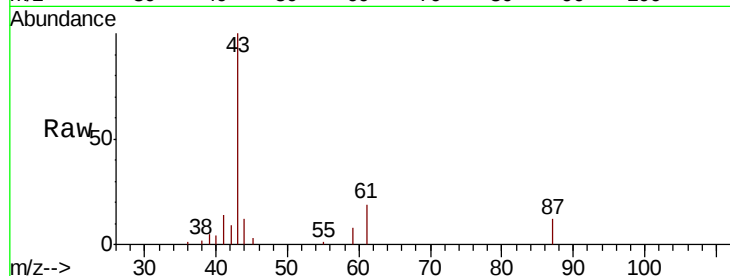
MSVOA_U

ClientSampleId :

ENGINE-WASH

Tot Ion: 43 Resp: 25357

Ion	Ratio	Lower	Upper
43	100		
61	17.5	14.5	21.7
87	9.2	8.4	12.6

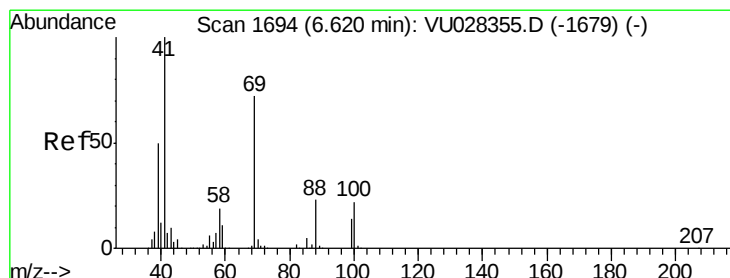
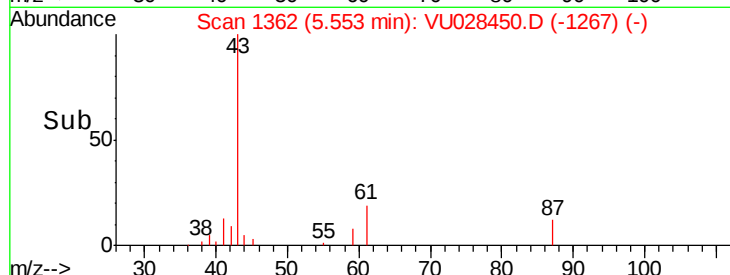
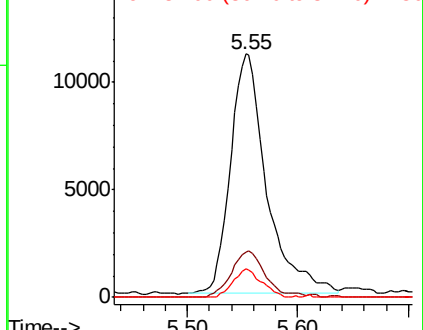


Abundance

Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#48

Methyl methacrylate

Concen: 13.351 ug/l

RT: 6.70 min Scan# 1720

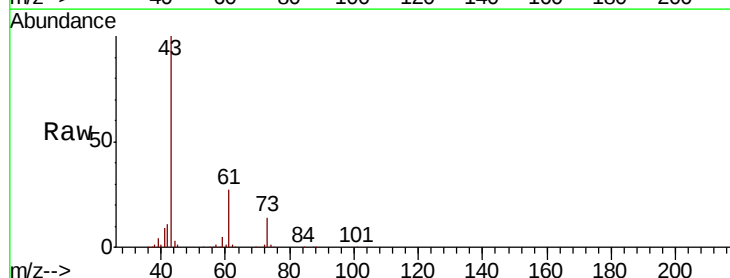
Delta R.T. 0.08 min

Lab File: VU028450.D

Acq: 03 Dec 2018 18:38

Tgt Ion: 41 Resp: 90521

Ion	Ratio	Lower	Upper
41	100		
69	0.1	59.0	88.4#
39	49.0	40.5	60.7

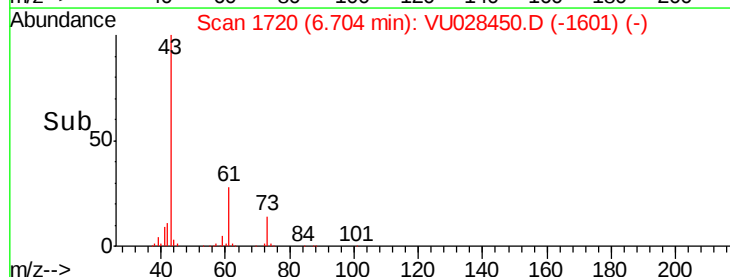
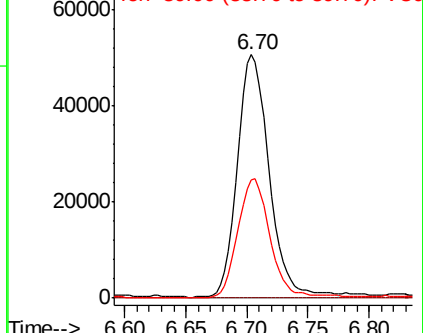


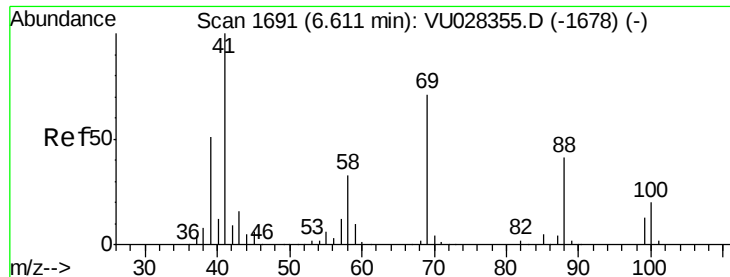
Abundance

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





#49

1,4-Dioxane

Concen: 0.480 ug/l

RT: 6.70 min Scan# 1720

Delta R.T. 0.09 min

Lab File: VU028450.D

Acq: 03 Dec 2018 18:38

Instrument :
MSVOA_U
ClientSampleId :
ENGINE-WASH

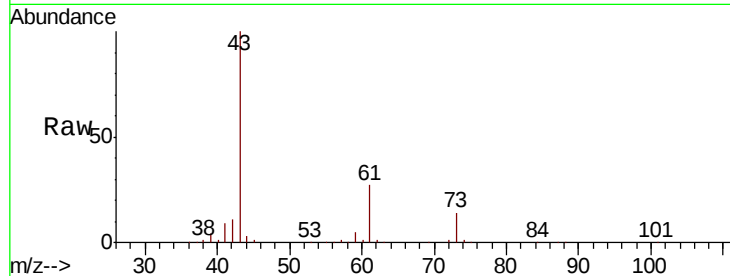
Tot Ion: 88 Resp: 52

Ion Ratio Lower Upper

88 100

43 1975490.4 32.6 48.8#

58 7321.2 68.7 103.1#



Abundance Ion 88.00 (87.70 to 88.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0

600000

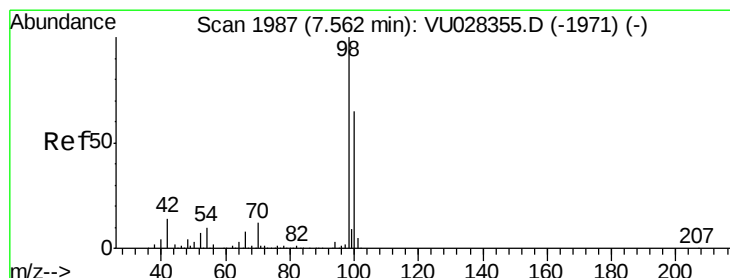
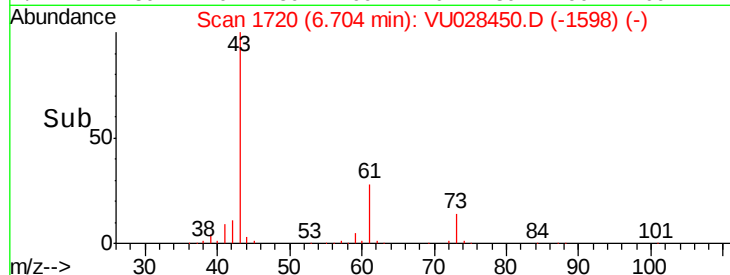
400000

200000

0

6.70

Time-->



#50

Toluene-d8

Concen: 48.739 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VU028450.D

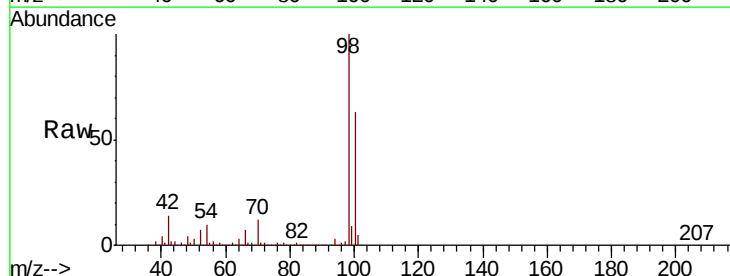
Acq: 03 Dec 2018 18:38

Tgt Ion: 98 Resp: 713938

Ion Ratio Lower Upper

98 100

100 63.8 50.8 76.2



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

400000

300000

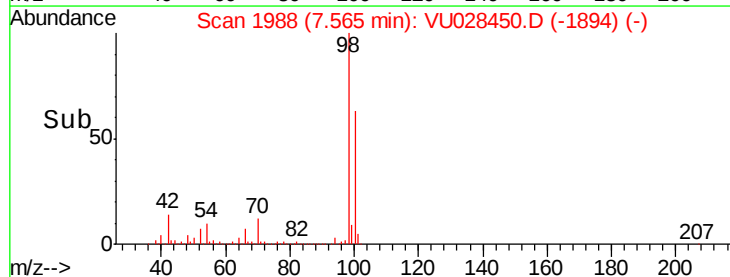
200000

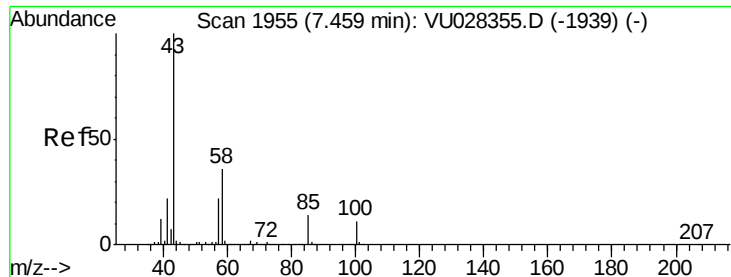
100000

0

7.57

Time-->





#51

4-Methyl-2-Pentanone

Concen: 43.040 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028450.D

Acq: 03 Dec 2018 18:38

Instrument :

MSVOA_U

ClientSampleId :

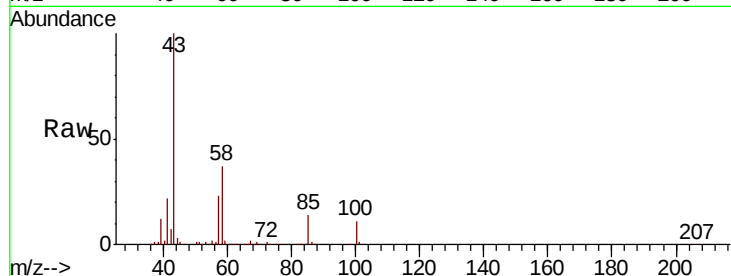
ENGINE-WASH

Tot Ion: 43 Resp: 357812

Ion Ratio Lower Upper

43 100

58 37.3 28.8 43.2



Abundance Ion 43.00 (42.70 to 43.70): VU028355.D (-1939) (-)

Ion 58.00 (57.70 to 58.70): VU028355.D (-1939) (-)

7.46

200000

150000

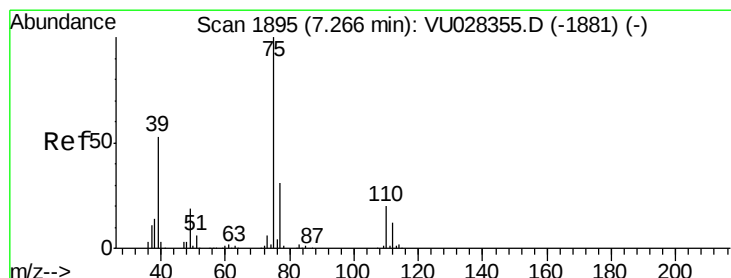
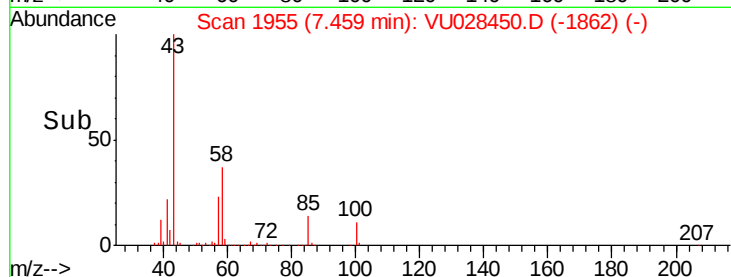
100000

50000

0

7.40 7.45 7.50 7.55

Time-->



#54

cis-1,3-Dichloropropene

Concen: 6.763 ug/l

RT: 7.42 min Scan# 1943

Delta R.T. 0.15 min

Lab File: VU028450.D

Acq: 03 Dec 2018 18:38

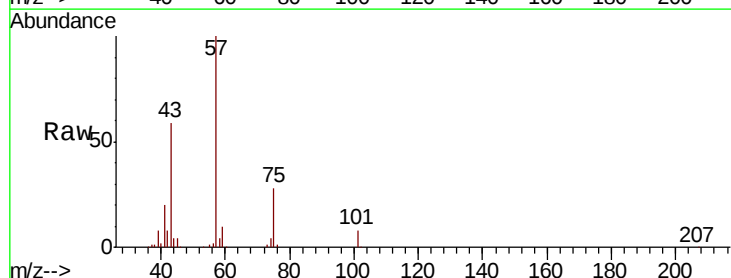
Tgt Ion: 75 Resp: 51746

Ion Ratio Lower Upper

75 100

77 0.0 24.9 37.3#

39 27.1 42.6 64.0#



Abundance Ion 74.90 (74.60 to 75.60): VU028355.D (-1881) (-)

Ion 76.90 (76.60 to 77.60): VU028355.D (-1881) (-)

Ion 39.00 (38.70 to 39.70): VU028355.D (-1881) (-)

7.42

40000

30000

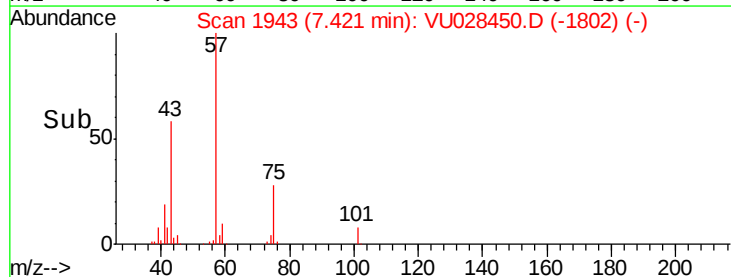
20000

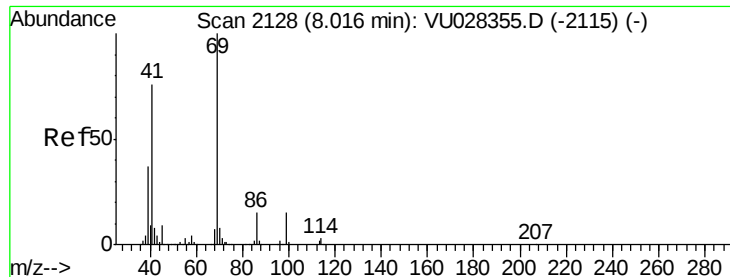
10000

0

7.35 7.40 7.45 7.50

Time-->

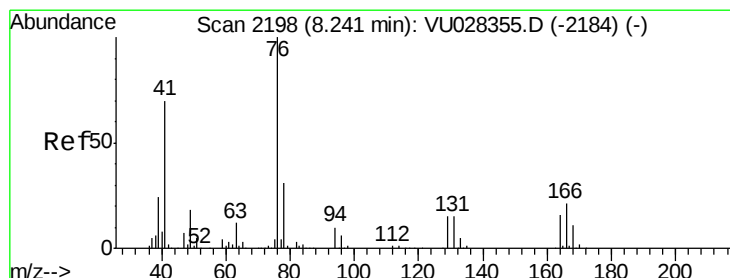
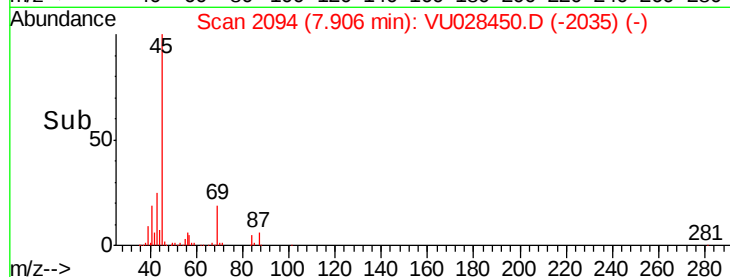
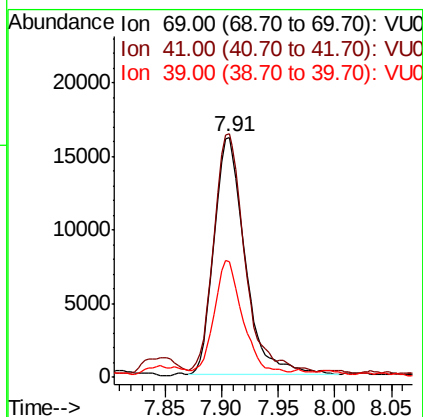
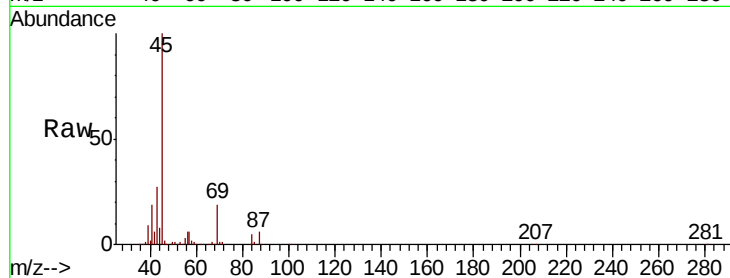




#56
Ethyl methacrylate
Concen: 4.244 ug/l
RT: 7.91 min Scan# 2094
Delta R.T. -0.11 min
Lab File: VU028450.D
Acq: 03 Dec 2018 18:38

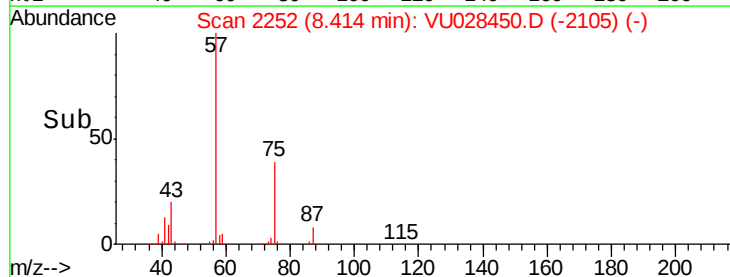
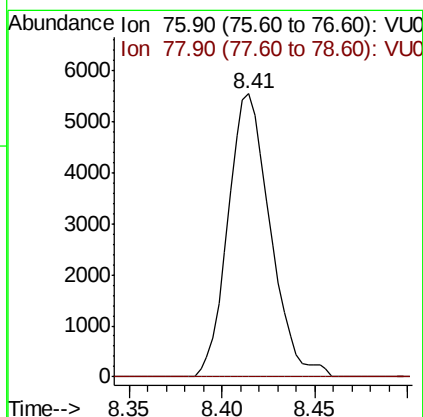
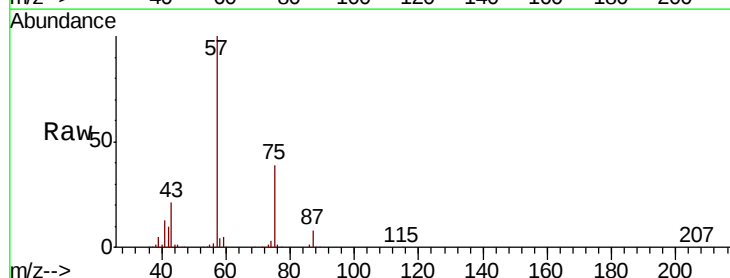
Instrument :
MSVOA_U
ClientSampleId :
ENGINE-WASH

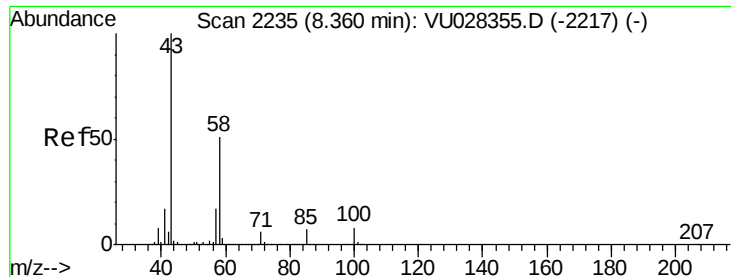
Tot Ion: 69 Resp: 30889
Ion Ratio Lower Upper
69 100
41 98.8 60.0 90.0#
39 41.1 29.0 43.6



#57
1,3-Dichloropropane
Concen: 1.119 ug/l
RT: 8.41 min Scan# 2252
Delta R.T. 0.17 min
Lab File: VU028450.D
Acq: 03 Dec 2018 18:38

Tgt Ion: 76 Resp: 8781
Ion Ratio Lower Upper
76 100
78 0.0 25.4 38.0#

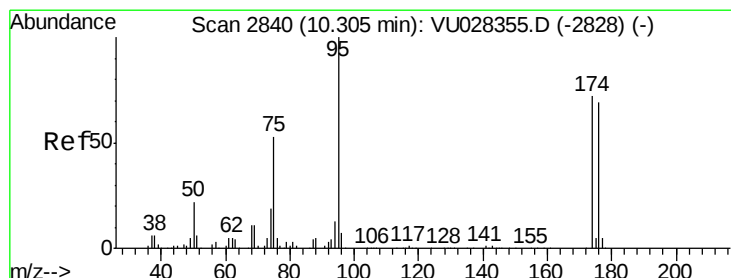
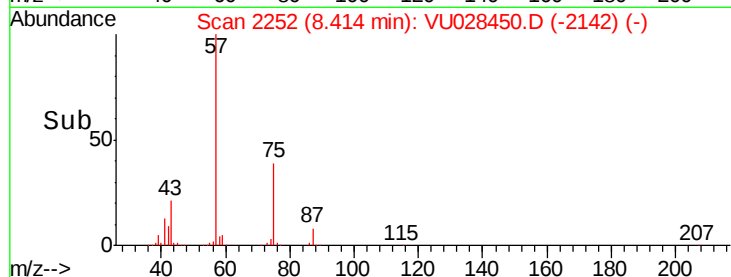
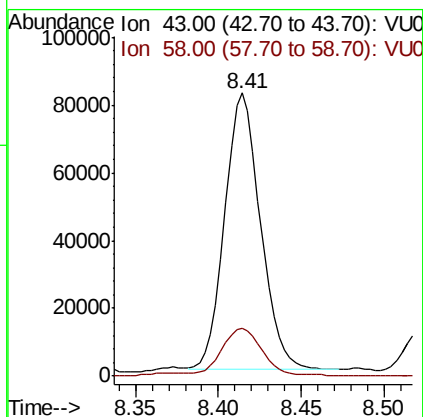
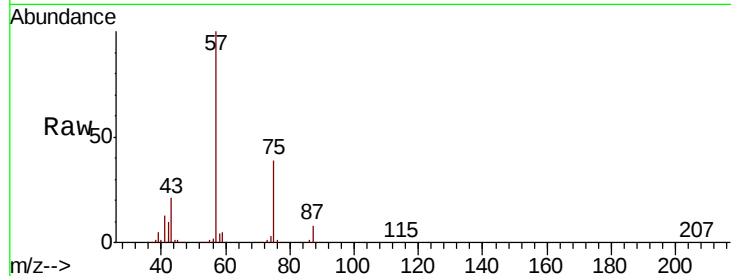




#59
2-Hexanone
Concen: 18.992 ug/l
RT: 8.41 min Scan# 2252
Delta R.T. 0.05 min
Lab File: VU028450.D
Acq: 03 Dec 2018 18:38

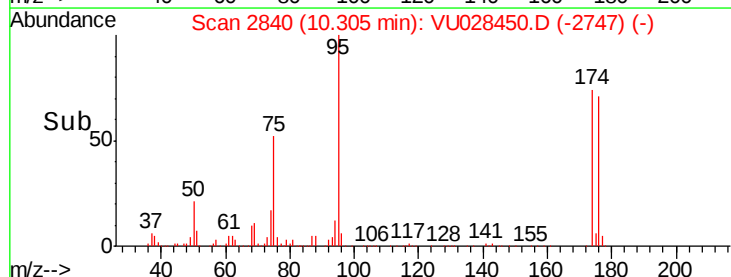
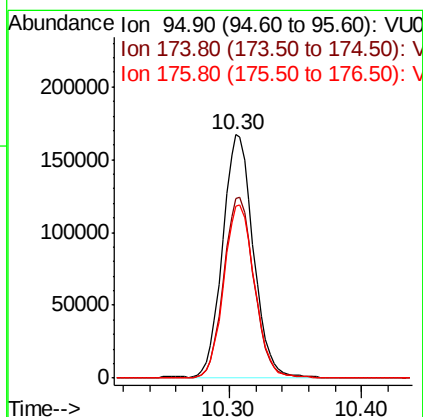
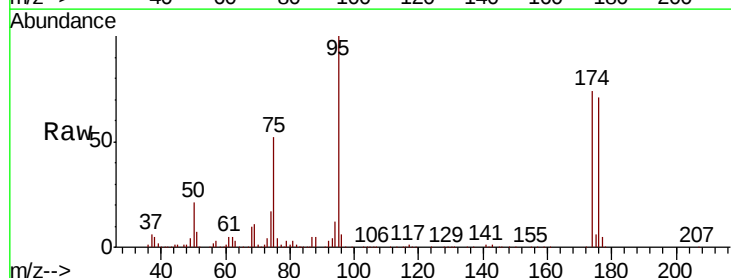
Instrument :
MSVOA_U
ClientSampleId :
ENGINE-WASH

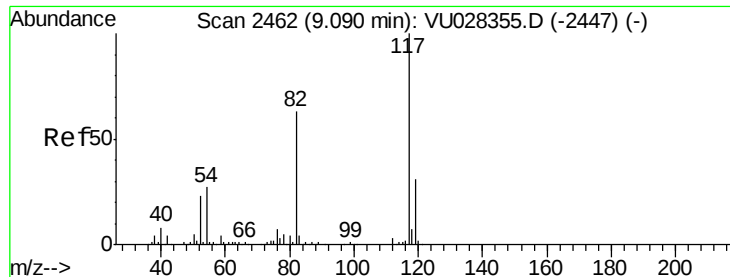
Tot Ion: 43 Resp: 122302
Ion Ratio Lower Upper
43 100
58 19.4 25.5 76.5#



#62
4-Bromofluorobenzene
Concen: 50.883 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VU028450.D
Acq: 03 Dec 2018 18:38

Tgt Ion: 95 Resp: 268642
Ion Ratio Lower Upper
95 100
174 73.8 0.0 145.4
176 71.8 0.0 140.8

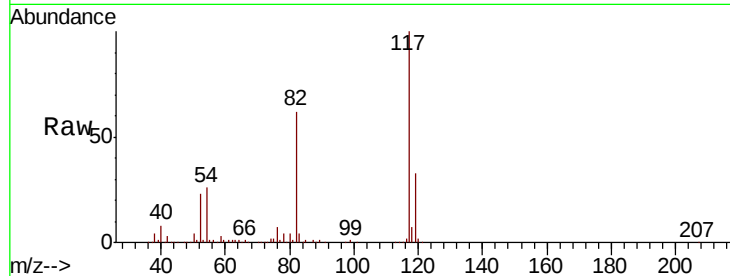




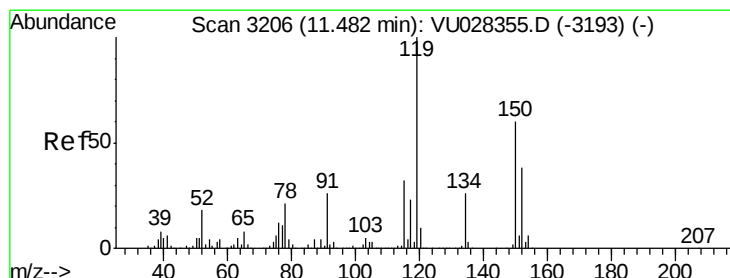
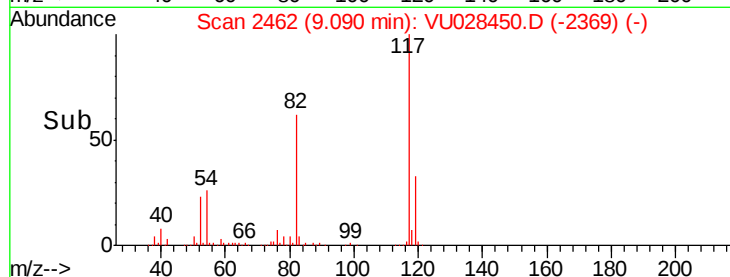
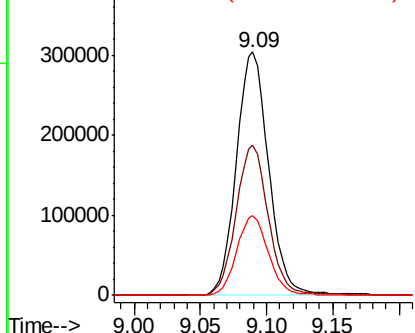
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU028450.D
Acq: 03 Dec 2018 18:38

Instrument :
MSVOA_U
ClientSampleId :
ENGINE-WASH

Tot Ion:117 Resp: 513619
Ion Ratio Lower Upper
117 100
82 61.6 50.3 75.5
119 32.5 24.8 37.2

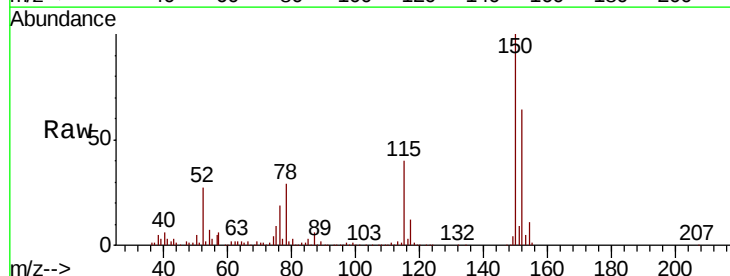


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

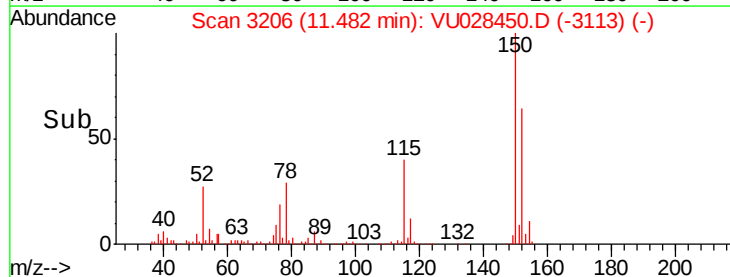
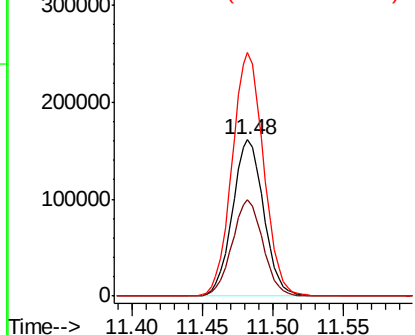


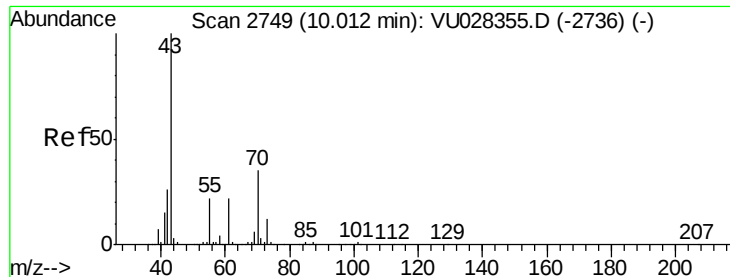
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. 0.00 min
Lab File: VU028450.D
Acq: 03 Dec 2018 18:38

Tgt Ion:152 Resp: 250546
Ion Ratio Lower Upper
152 100
115 60.8 45.0 134.8
150 156.7 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

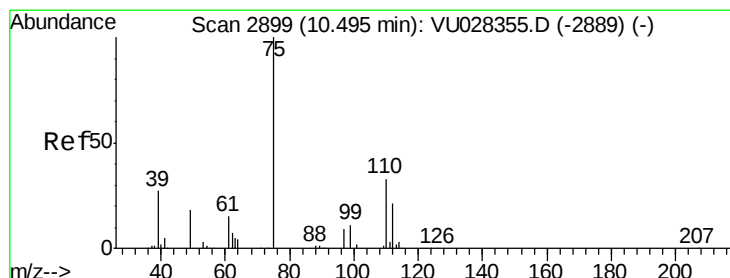
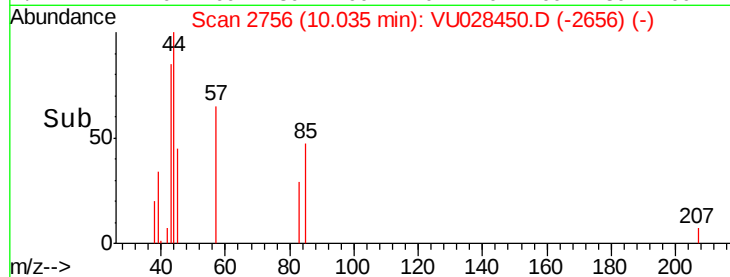
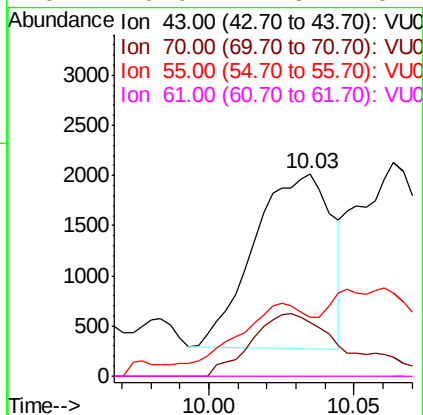
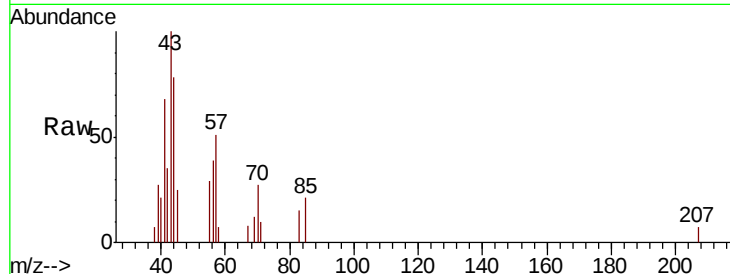




#74
N-amvl acetate
Concen: 0.266 ug/l
RT: 10.03 min Scan# 2756
Delta R.T. 0.02 min
Lab File: VU028450.D
Acq: 03 Dec 2018 18:38

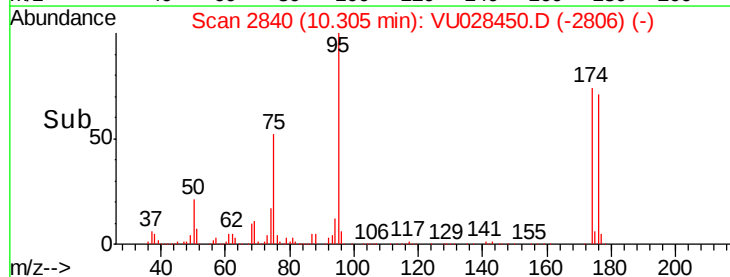
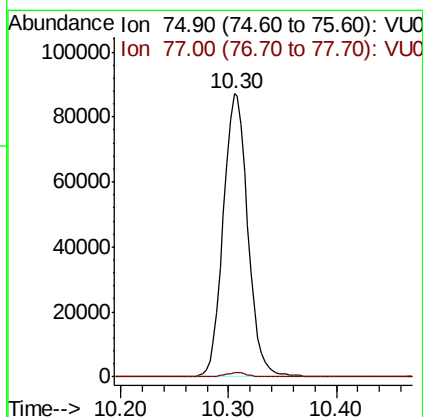
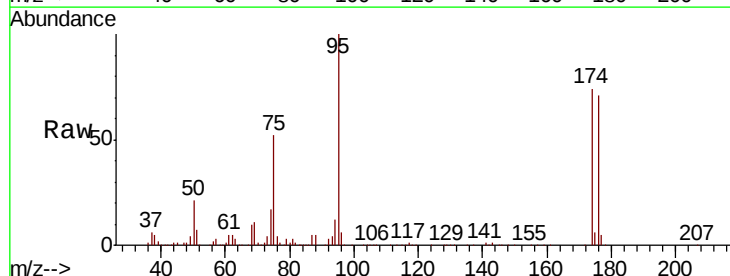
Instrument :
MSVOA_U
ClientSampleId :
ENGINE-WASH

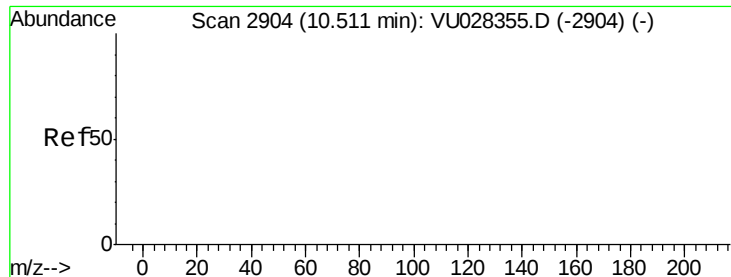
Tot Ion: 43 Resp: 3242
Ion Ratio Lower Upper
43 100
70 43.1 28.4 42.6#
55 27.3 18.0 27.0#
61 0.0 17.6 26.4#



#76
1,2,3-Trichloropropane
Concen: 19.936 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. -0.19 min
Lab File: VU028450.D
Acq: 03 Dec 2018 18:38

Tgt Ion: 75 Resp: 138509
Ion Ratio Lower Upper
75 100
77 1.4 22.4 67.0#

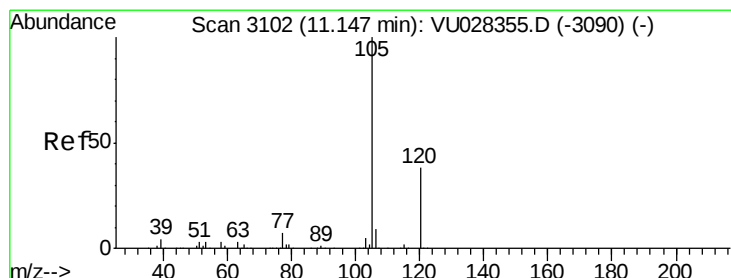
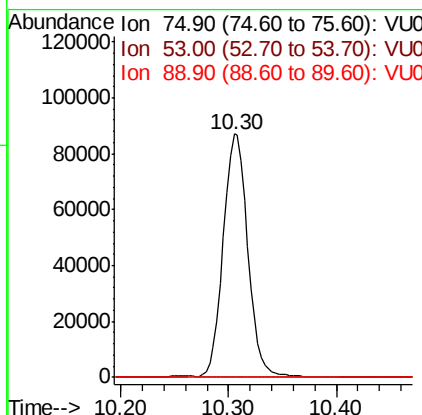
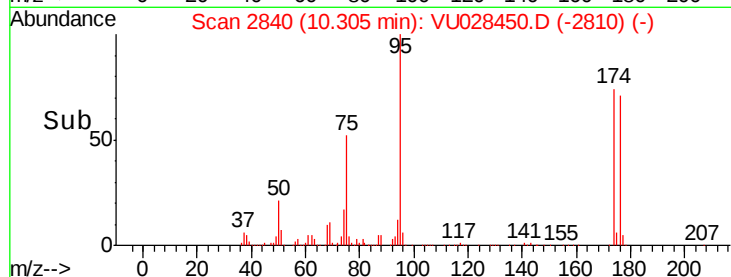
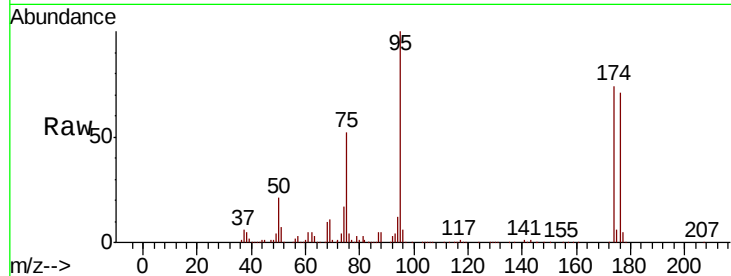




#81
trans-1,4-Dichloro-2-butene
Concen: 52.919 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. -0.20 min
Lab File: VU028450.D
Acq: 03 Dec 2018 18:38

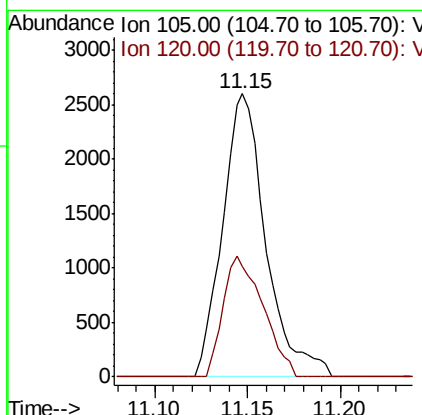
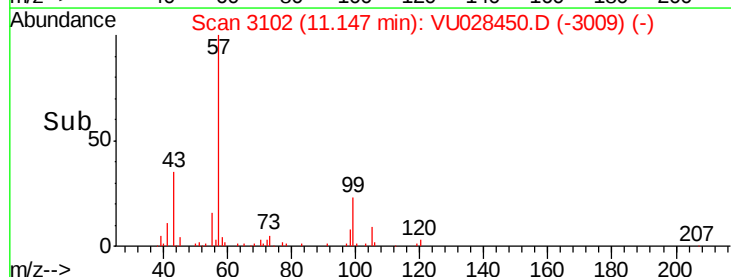
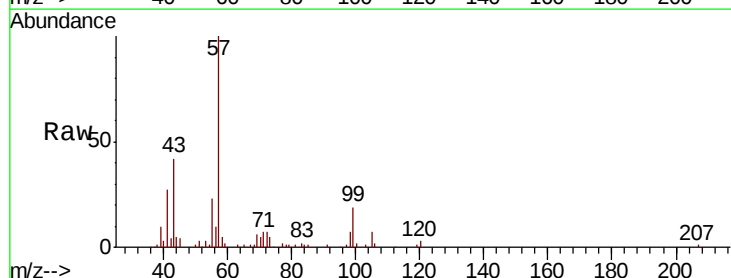
Instrument :
MSVOA_U
ClientSampleId :
ENGINE-WASH

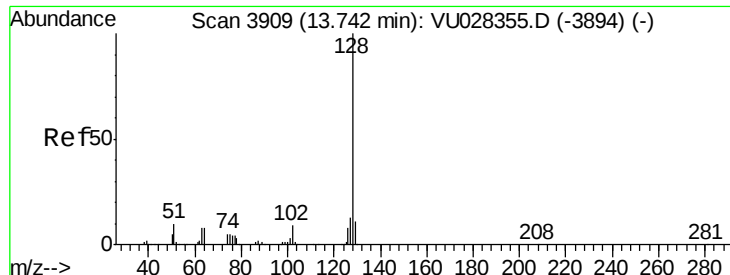
Tot Ion: 75 Resp: 138509
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#84
1,2,4-Trimethylbenzene
Concen: 0.253 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. 0.00 min
Lab File: VU028450.D
Acq: 03 Dec 2018 18:38

Tgt Ion: 105 Resp: 4202
Ion Ratio Lower Upper
105 100
120 39.4 21.4 64.3





#95

Naphthalene

Concen: 3.723 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU028450.D

Acq: 03 Dec 2018 18:38

Instrument :

MSVOA_U

ClientSampleId :

ENGINE-WASH

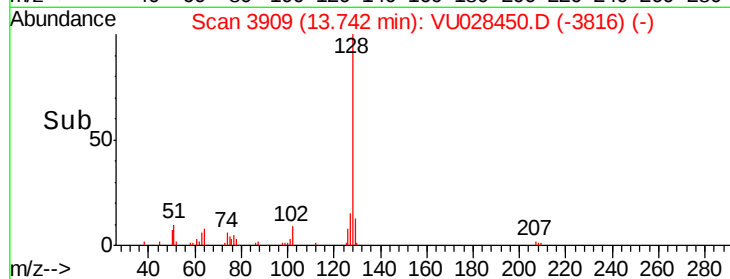
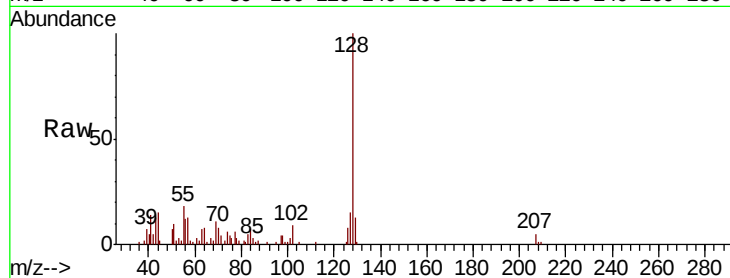
Tot Ion:128 Resp: 19842

Ion Ratio Lower Upper

128 100

127 14.6 10.6 15.8

129 12.1 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

