

Data File : VW004868.D
Acq On : 22 Aug 2018 04:54
Operator : SY/AP
Sample : J4273-03
Misc : 3.75G/5ML/MSVOA_W/SOIL
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T25-COMP

Quant Time: Aug 22 07:50:59 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081918S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 18 01:49:53 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	505488	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	785116	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	629859	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	206905	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	278503	56.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.98%	
35) Dibromofluoromethane	7.88	113	285032	56.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.60%	
50) Toluene-d8	10.33	98	935960	47.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.56%	
62) 4-Bromofluorobenzene	12.62	95	240925	34.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	68.38%	

Target Compounds

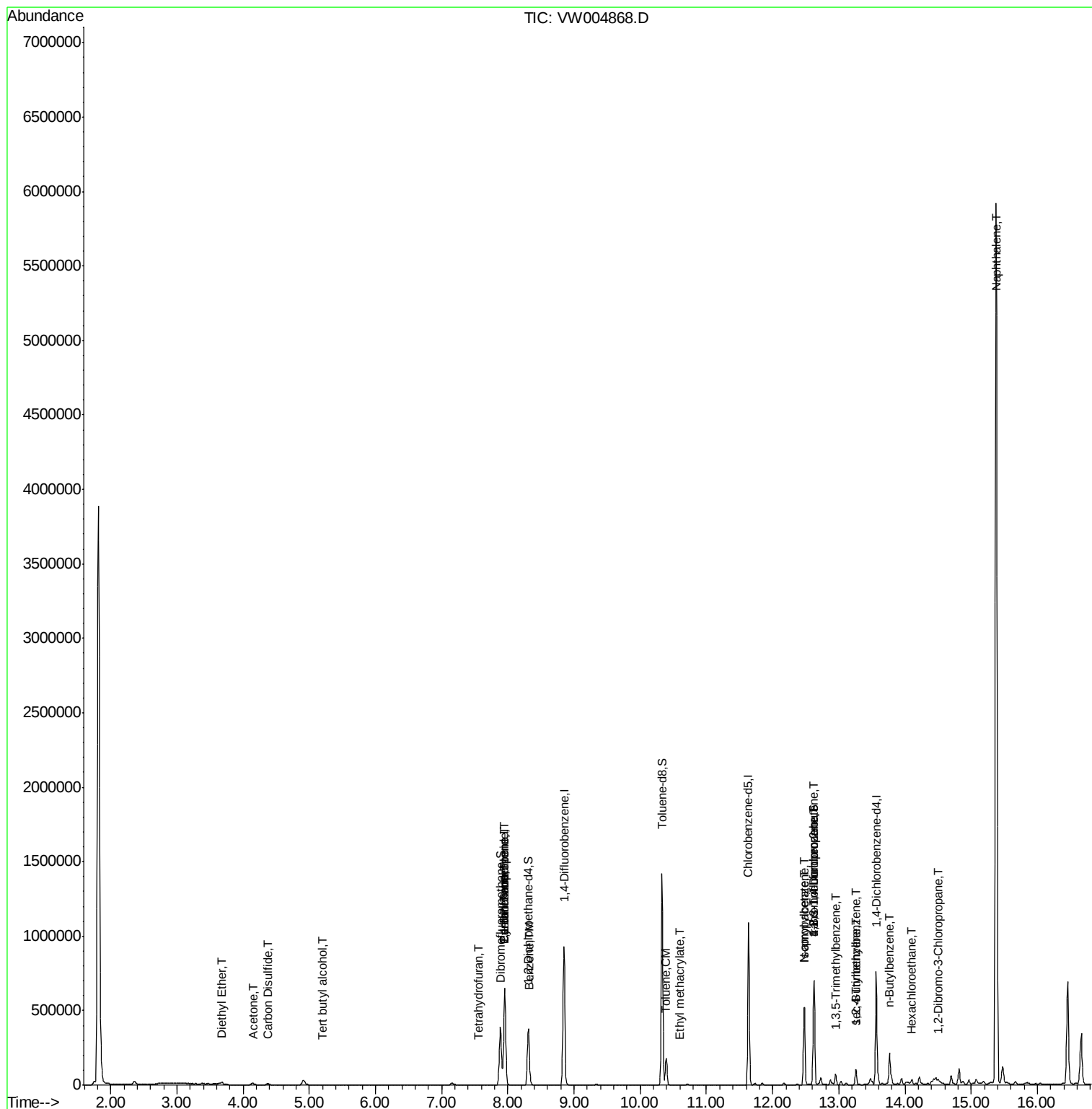
						Qvalue
8) Diethyl Ether	3.68	74	8376	3.052	ug/l	100
11) Tert butyl alcohol	5.20	59	387	1.417	ug/l #	72
16) Acetone	4.15	43	21660	17.362	ug/l	93
17) Carbon Disulfide	4.38	76	18718	1.093	ug/l	99
29) Tetrahydrofuran	7.56	42	1447	1.596	ug/l #	83
31) Cyclohexane	7.95	56	10266	1.075	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	37160	4.594	ug/l #	48
38) Carbon Tetrachloride	7.95	117	46875	6.296	ug/l #	16
40) Benzene	8.32	78	27931	1.188	ug/l	94
52) Toluene	10.39	92	79760	5.658	ug/l	98
56) Ethyl methacrylate	10.60	69	38	2.987	ug/l #	27
73) Isopropylbenzene	12.48	105	26067	1.852	ug/l	76
74) N-amy1 acetate	12.48	43	11737	7.293	ug/l #	25
76) 1,2,3-Trichloropropane	12.62	75	113345	62.144	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.95	105	34671	2.899	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.62	75	113345	144.439	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.26	105	57219	4.651	ug/l	99
85) sec-Butylbenzene	13.26	105	57219	3.747	ug/l #	57
89) n-Butylbenzene	13.77	91	22186	1.727	ug/l #	42
90) Hexachloroethane	14.11	117	2437	1.006	ug/l #	7
92) 1,2-Dibromo-3-Chloropropan	14.50	75	920	2.258	ug/l #	1
95) Naphthalene	15.38	128	5079145	557.152	ug/l	100

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

Data File : VW004868.D
Acq On : 22 Aug 2018 04:54
Operator : SY/AP
Sample : J4273-03
Misc : 3.75G/5ML/MSVOA_W/SOIL
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T25-COMP

Quant Time: Aug 22 07:50:59 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081918S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 18 01:49:53 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW004868.D

Acq: 22 Aug 2018 04:54

Instrument :

MSVOA_W

ClientSampleId :

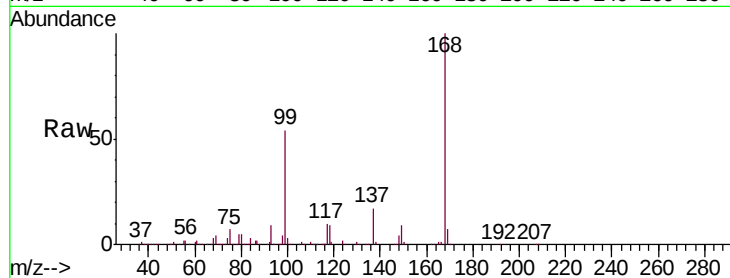
T25-COMP

Tgt Ion:168 Resp: 505488

Ion Ratio Lower Upper

168 100

99 54.2 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

250000

200000

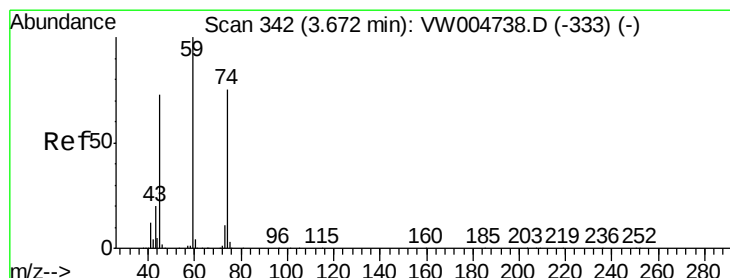
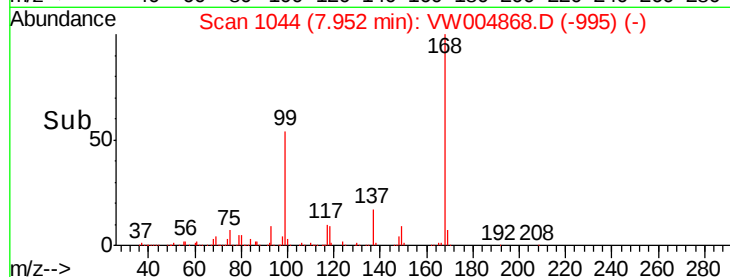
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 3.052 ug/l

RT: 3.68 min Scan# 343

Delta R.T. 0.01 min

Lab File: VW004868.D

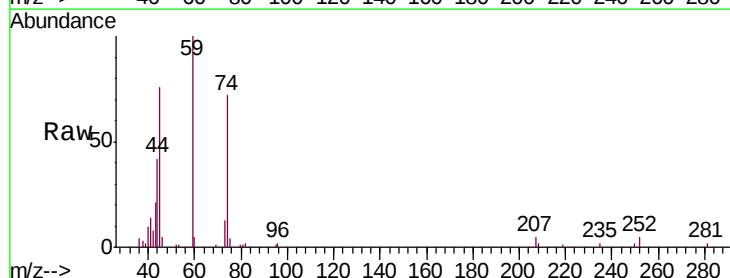
Acq: 22 Aug 2018 04:54

Tgt Ion: 74 Resp: 8376

Ion Ratio Lower Upper

74 100

45 99.6 49.8 149.3



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

4000

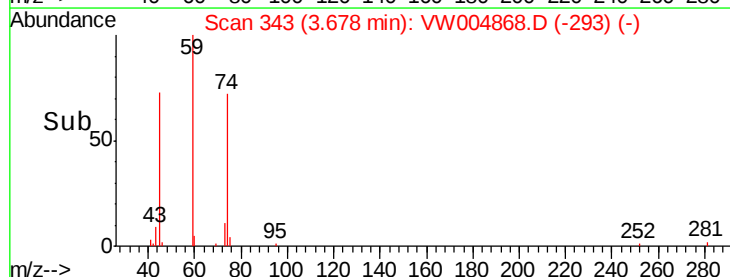
3000

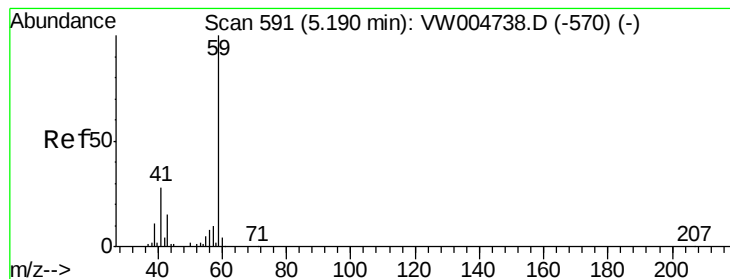
2000

1000

0

Time--> 3.60 3.65 3.70 3.75





#11

Tert butyl alcohol

Concen: 1.417 ug/l

RT: 5.20 min Scan# 593

Delta R.T. 0.01 min

Lab File: VW004868.D

Acq: 22 Aug 2018 04:54

Instrument :

MSVOA_W

ClientSampleId :

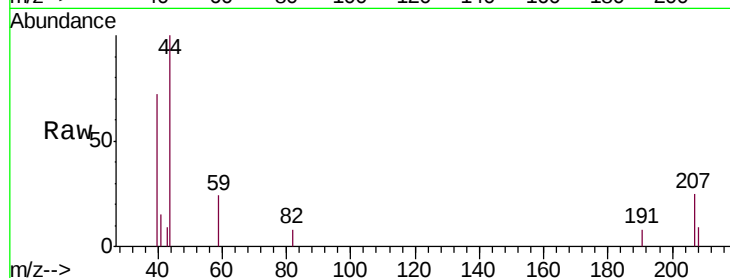
T25-COMP

Tgt Ion: 59 Resp: 387

Ion Ratio Lower Upper

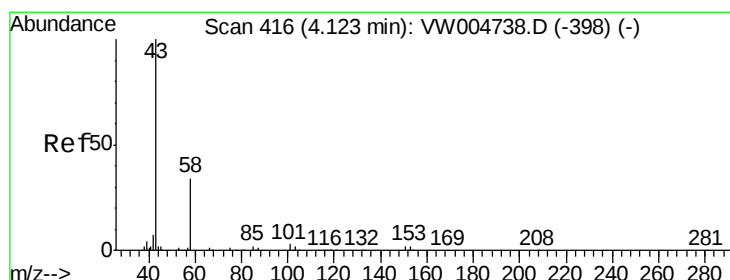
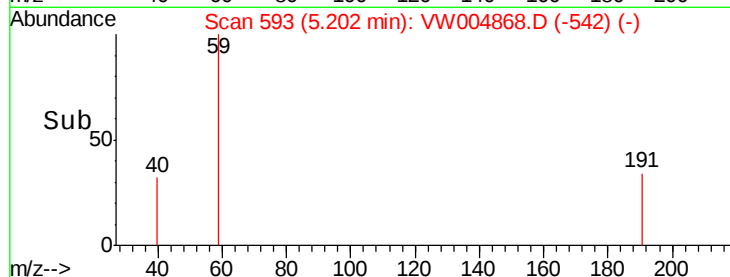
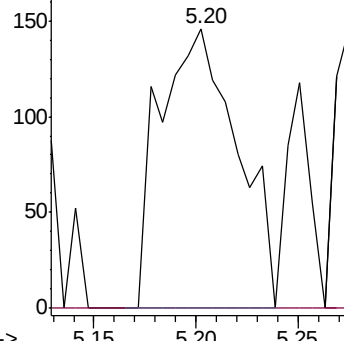
59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW



#16

Acetone

Concen: 17.362 ug/l

RT: 4.15 min Scan# 420

Delta R.T. 0.02 min

Lab File: VW004868.D

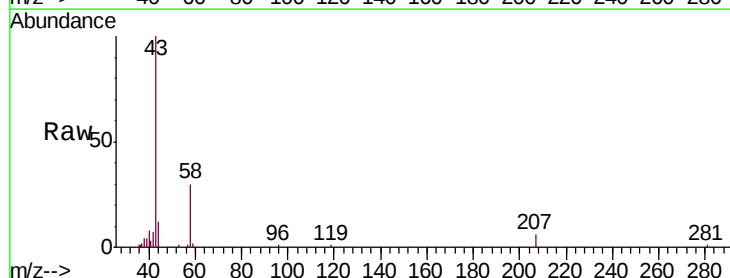
Acq: 22 Aug 2018 04:54

Tgt Ion: 43 Resp: 21660

Ion Ratio Lower Upper

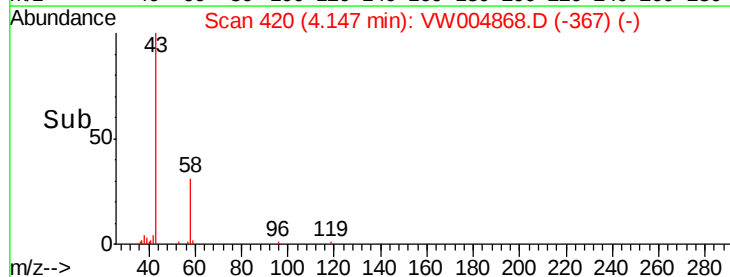
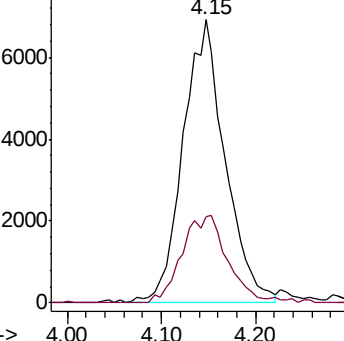
43 100

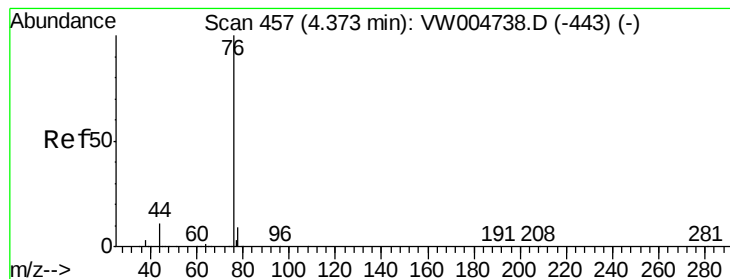
58 30.3 27.3 40.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 1.093 ug/l

RT: 4.38 min Scan# 458

Delta R.T. 0.01 min

Lab File: VW004868.D

Acq: 22 Aug 2018 04:54

Instrument :

MSVOA_W

ClientSampleId :

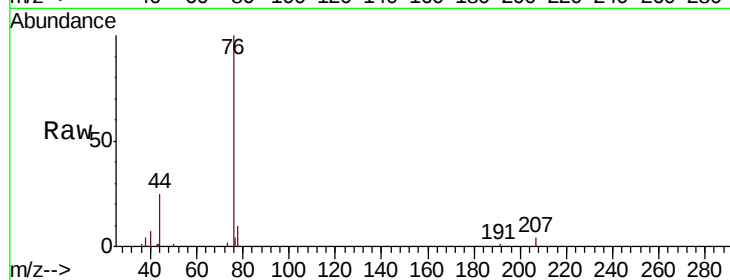
T25-COMP

Tgt Ion: 76 Resp: 18718

Ion Ratio Lower Upper

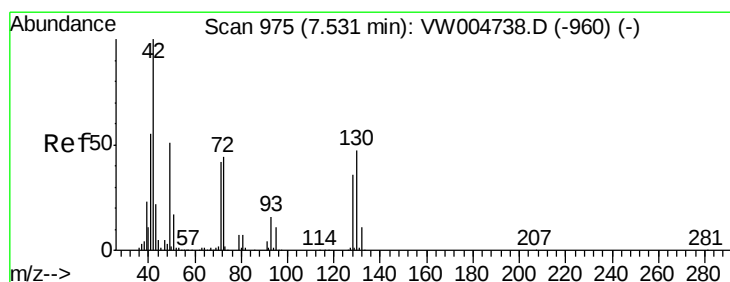
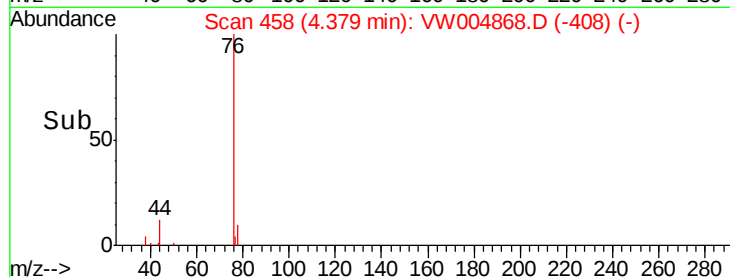
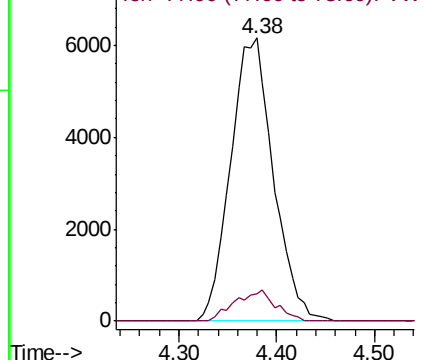
76 100

78 9.6 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#29

Tetrahydrofuran

Concen: 1.596 ug/l

RT: 7.56 min Scan# 979

Delta R.T. 0.02 min

Lab File: VW004868.D

Acq: 22 Aug 2018 04:54

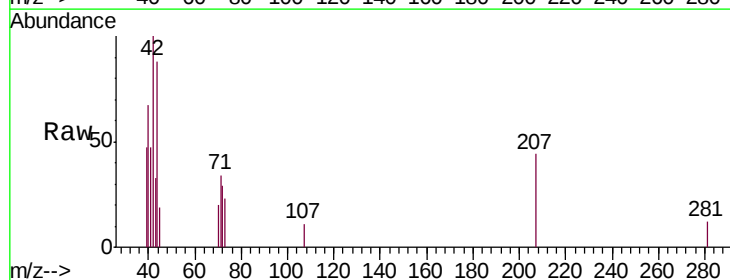
Tgt Ion: 42 Resp: 1447

Ion Ratio Lower Upper

42 100

72 38.7 34.9 52.3

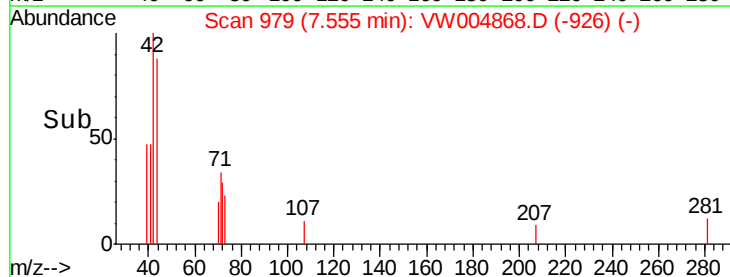
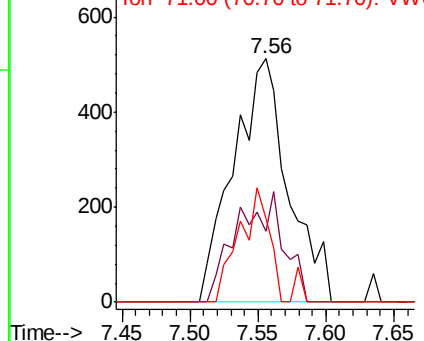
71 25.7 33.8 50.6#

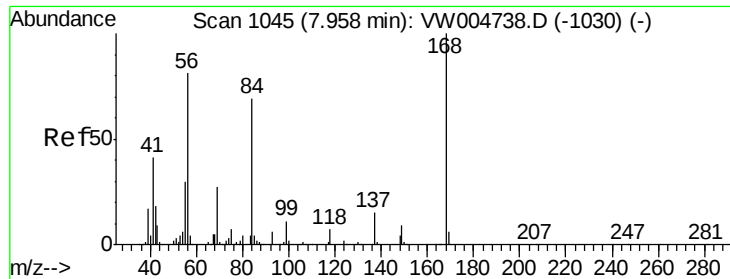


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW

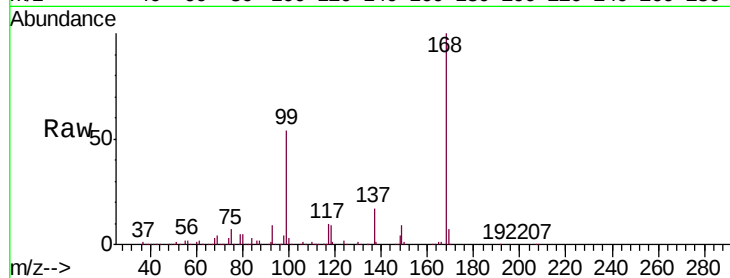




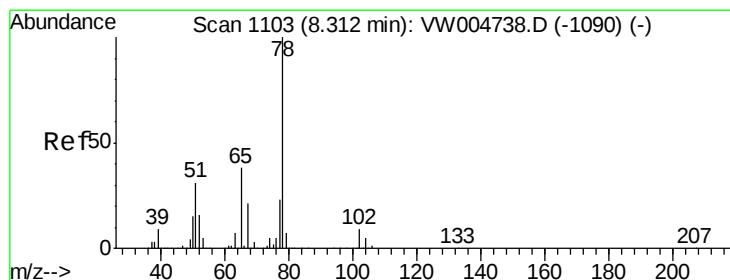
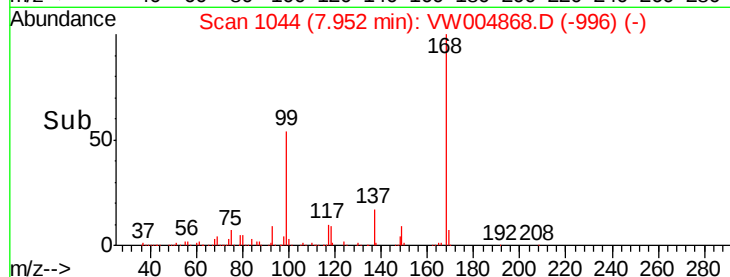
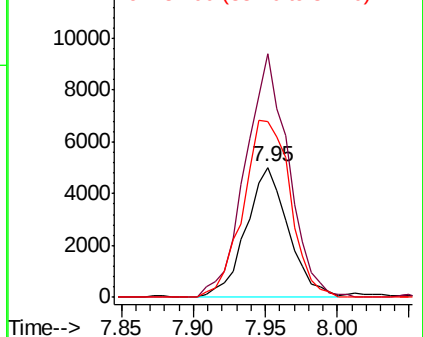
#31
Cyclohexane
Concen: 1.075 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VW004868.D
Acq: 22 Aug 2018 04:54

Instrument :
MSVOA_W
ClientSampled :
T25-COMP

Tgt Ion: 56 Resp: 10266
Ion Ratio Lower Upper
56 100
69 187.3 27.1 40.7#
84 135.4 68.3 102.5#

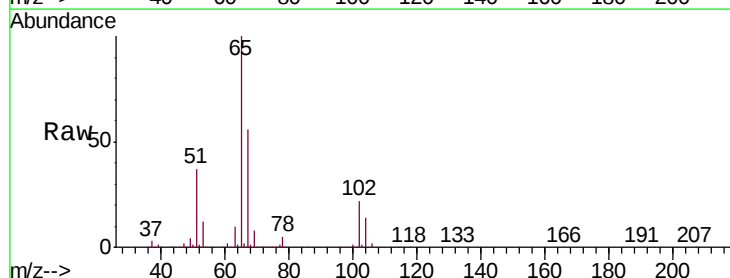


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

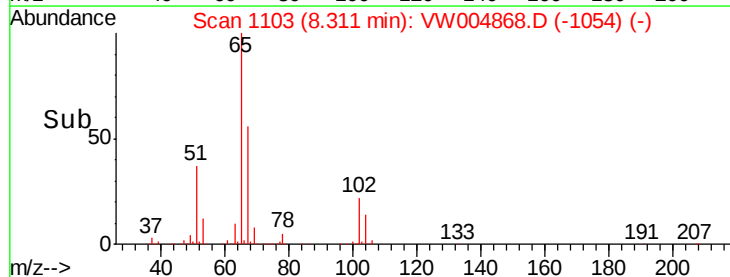
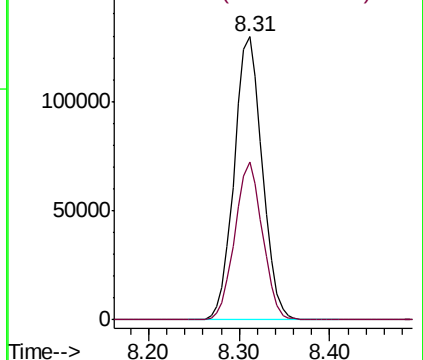


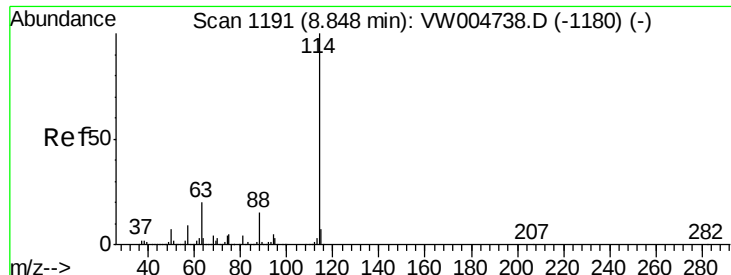
#33
1,2-Dichloroethane-d4
Concen: 56.988 ug/l
RT: 8.31 min Scan# 1103
Delta R.T. -0.00 min
Lab File: VW004868.D
Acq: 22 Aug 2018 04:54

Tgt Ion: 65 Resp: 278503
Ion Ratio Lower Upper
65 100
67 54.8 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

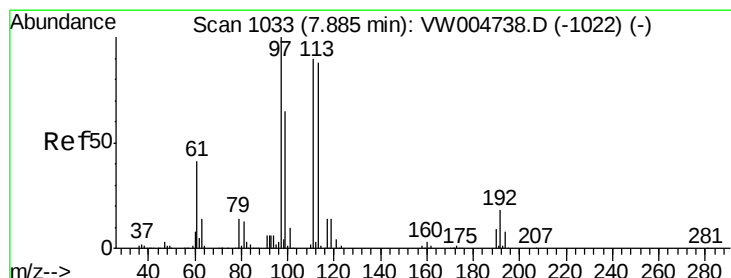
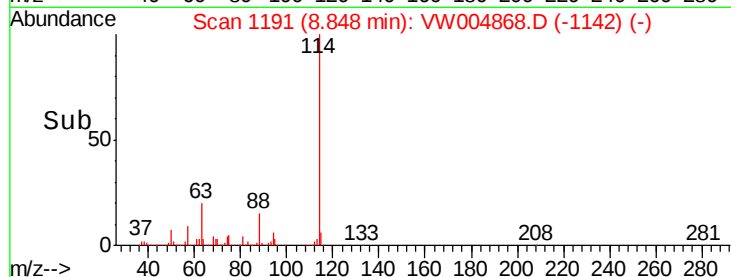
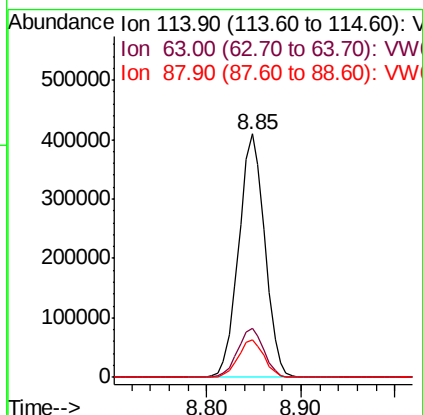
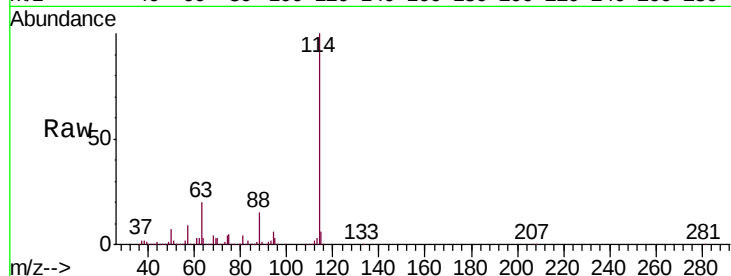




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW004868.D
 Acq: 22 Aug 2018 04:54

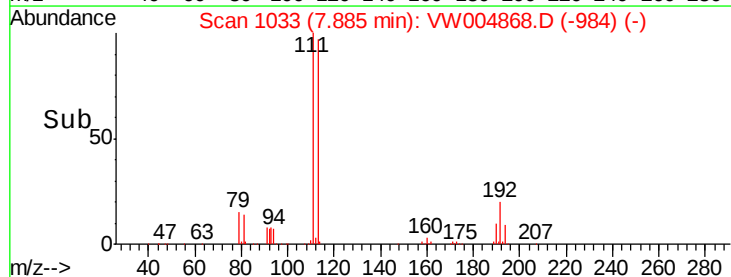
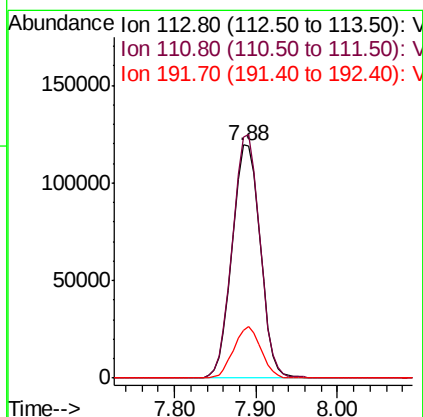
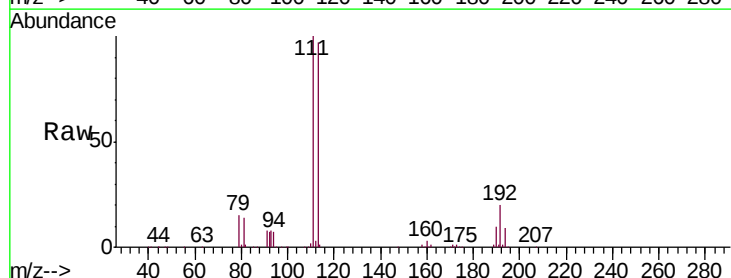
Instrument :
 MSVOA_W
 ClientSampleId :
 T25-COMP

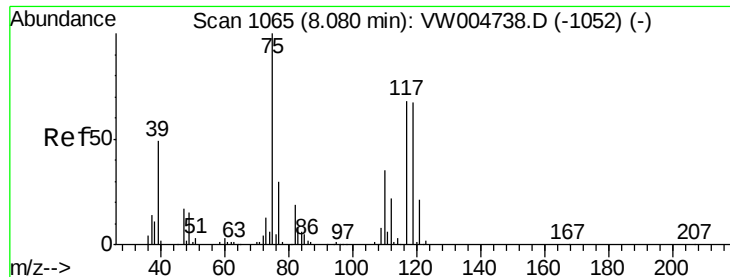
Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	39.0
88	15.2	0.0	30.0



#35
 Dibromofluoromethane
 Concen: 56.803 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW004868.D
 Acq: 22 Aug 2018 04:54

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.4	123.6
192	21.2	16.7	25.1

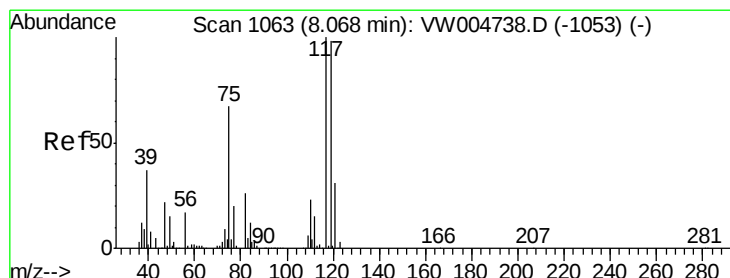
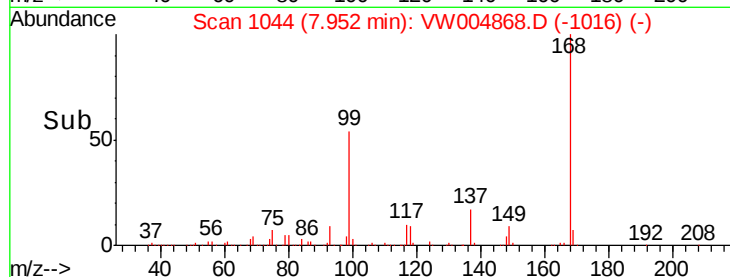
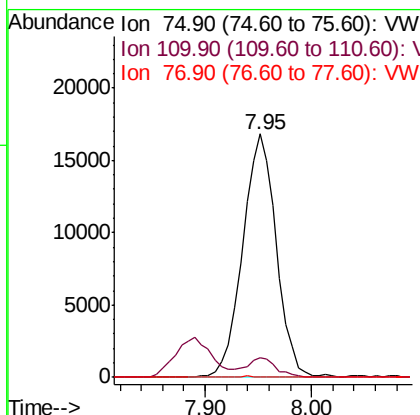
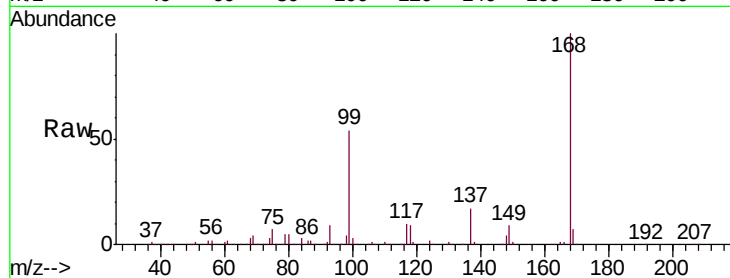




#36
 1,1-Dichloropropene
 Concen: 4.594 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW004868.D
 Acq: 22 Aug 2018 04:54

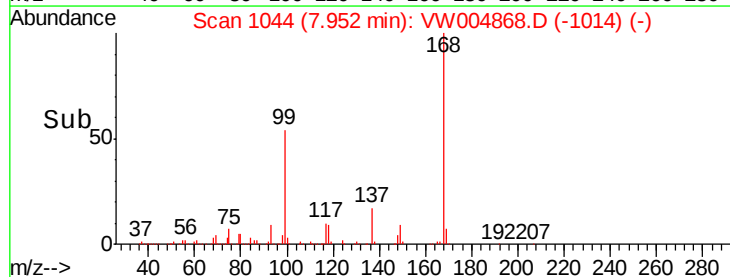
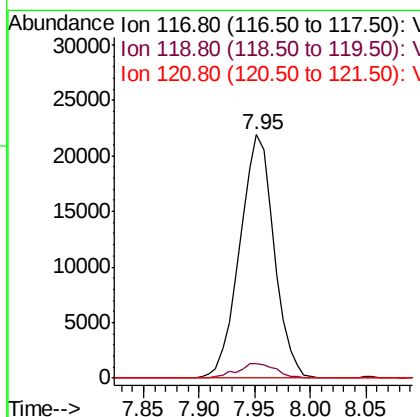
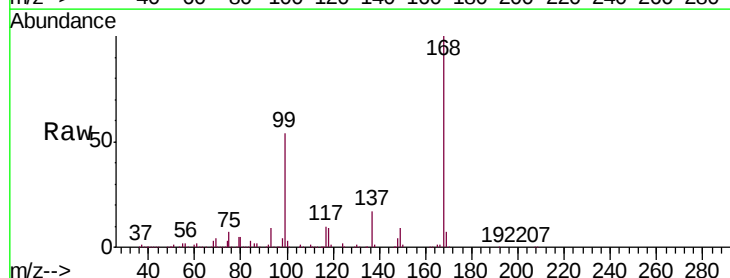
Instrument :
 MSVOA_W
 ClientSampleId :
 T25-COMP

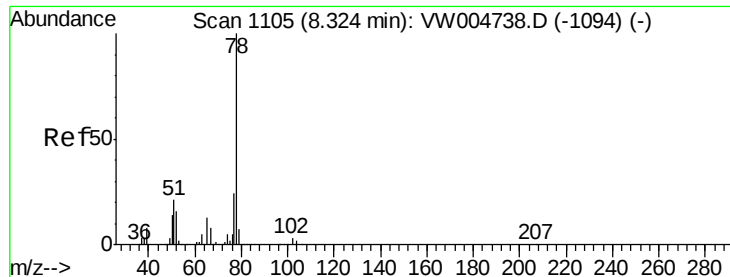
Tgt Ion: 75 Resp: 37160
 Ion Ratio Lower Upper
 75 100
 110 7.0 17.8 53.5#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 6.296 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.12 min
 Lab File: VW004868.D
 Acq: 22 Aug 2018 04:54

Tgt Ion: 117 Resp: 46875
 Ion Ratio Lower Upper
 117 100
 119 5.9 78.0 117.0#
 121 0.0 24.8 37.2#





#40

Benzene

Concen: 1.188 ug/l

RT: 8.32 min Scan# 1105

Delta R.T. -0.00 min

Lab File: VW004868.D

Acq: 22 Aug 2018 04:54

Instrument :

MSVOA_W

ClientSampled :

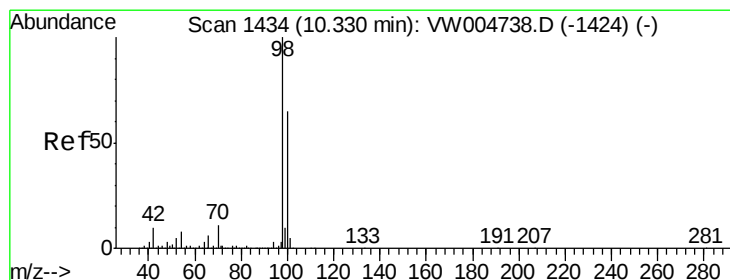
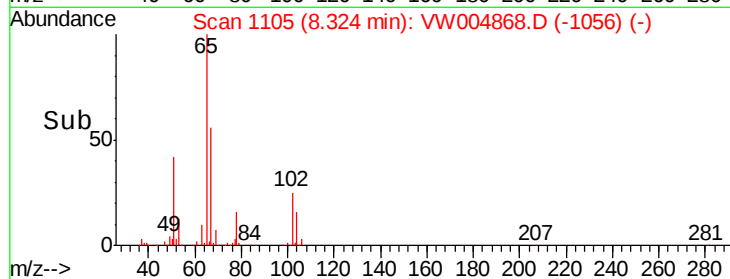
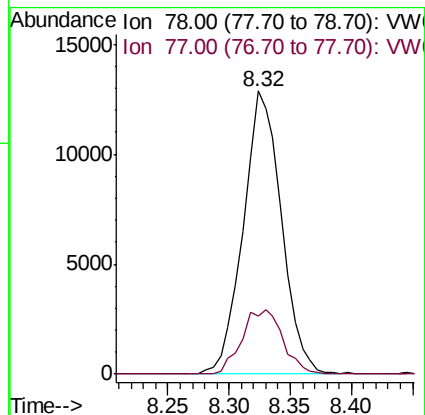
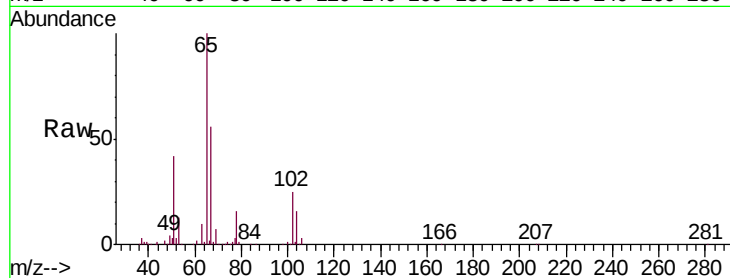
T25-COMP

Tgt Ion: 78 Resp: 27931

Ion Ratio Lower Upper

78 100

77 20.7 19.0 28.6



#50

Toluene-d8

Concen: 47.782 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW004868.D

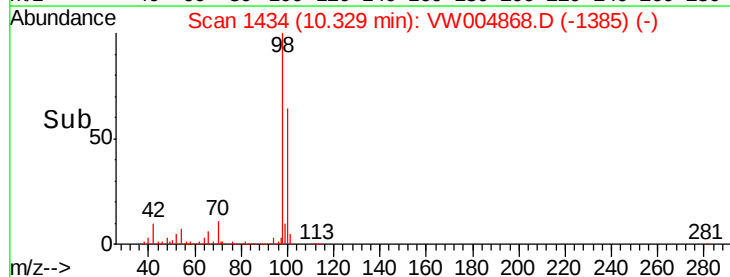
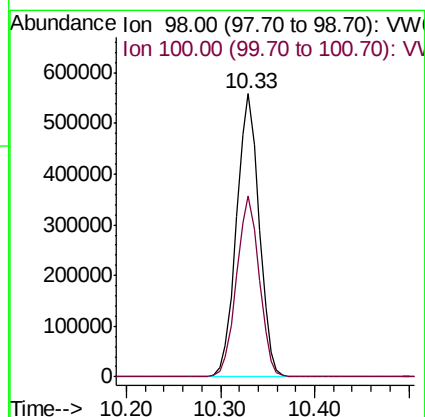
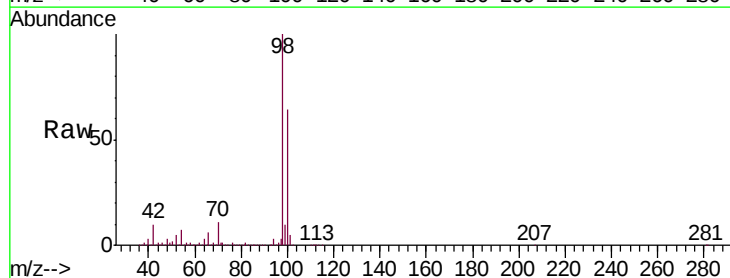
Acq: 22 Aug 2018 04:54

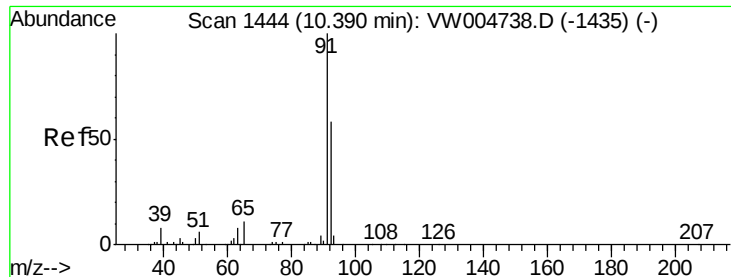
Tgt Ion: 98 Resp: 935960

Ion Ratio Lower Upper

98 100

100 63.7 51.8 77.8





#52

Toluene

Concen: 5.658 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW004868.D

Acq: 22 Aug 2018 04:54

Instrument :

MSVOA_W

ClientSampled :

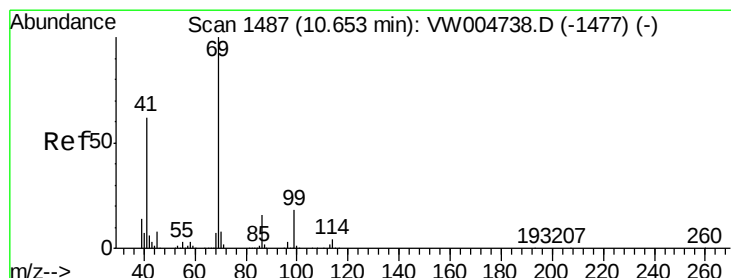
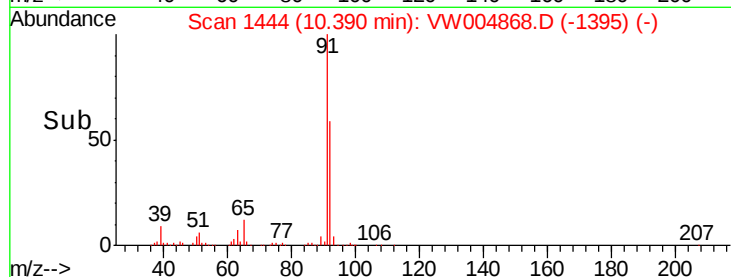
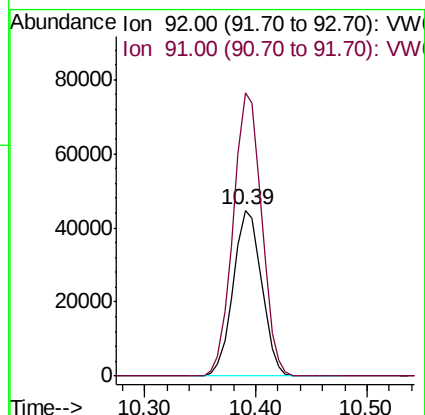
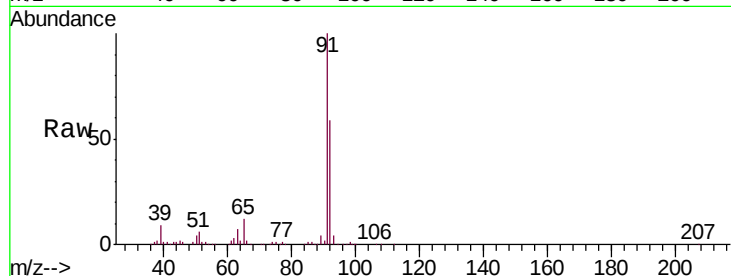
T25-COMP

Tgt Ion: 92 Resp: 79760

Ion Ratio Lower Upper

92 100

91 170.7 138.3 207.5



#56

Ethyl methacrylate

Concen: 2.987 ug/l

RT: 10.60 min Scan# 1478

Delta R.T. -0.05 min

Lab File: VW004868.D

Acq: 22 Aug 2018 04:54

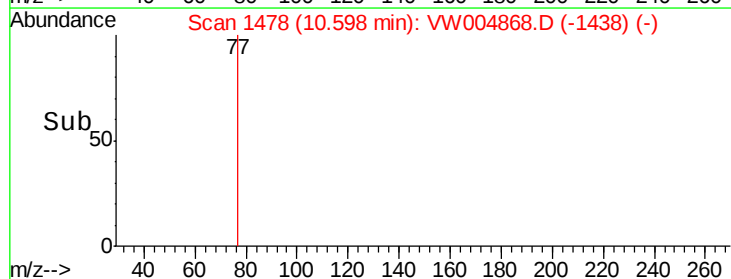
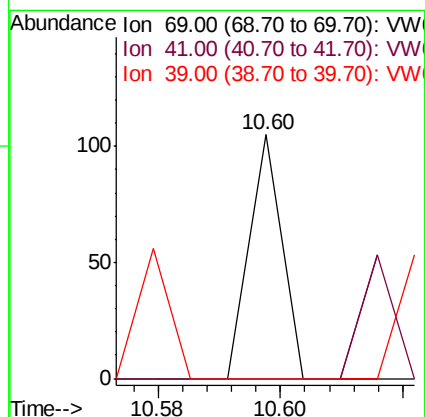
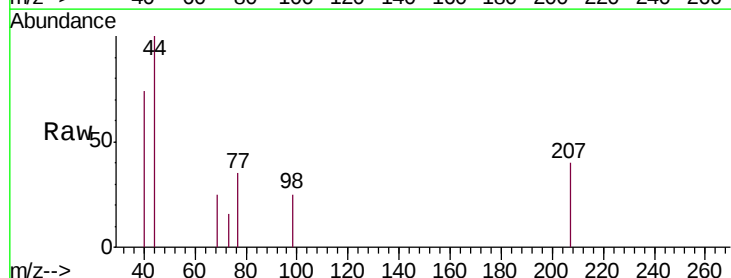
Tgt Ion: 69 Resp: 38

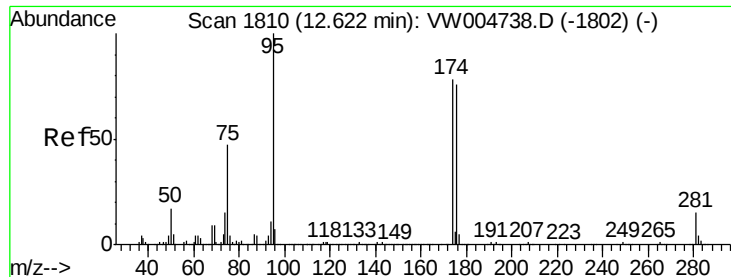
Ion Ratio Lower Upper

69 100

41 0.0 50.7 76.1#

39 0.0 21.4 32.2#

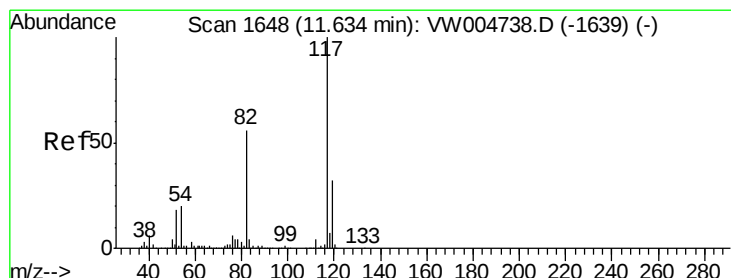
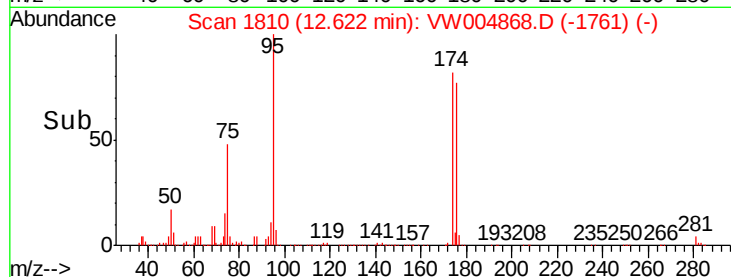
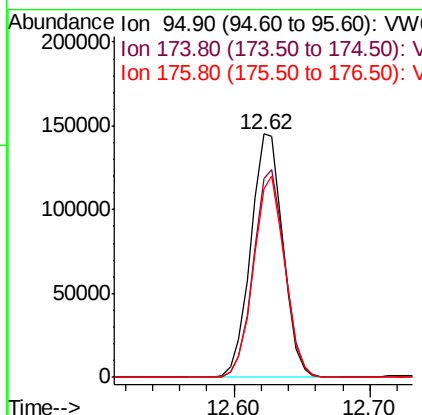
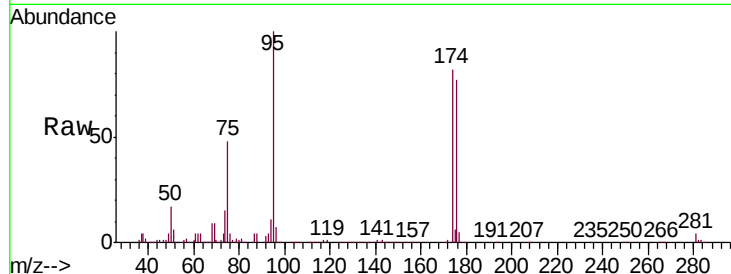




#62
4-Bromofluorobenzene
Concen: 34.188 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VW004868.D
Acq: 22 Aug 2018 04:54

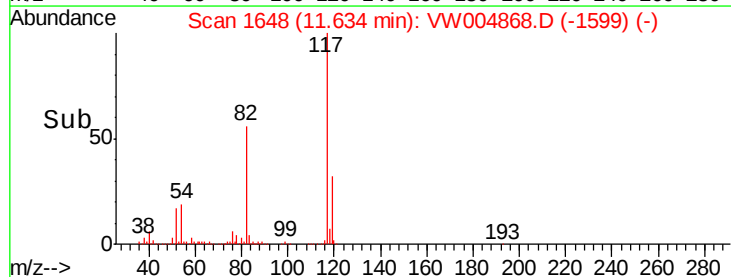
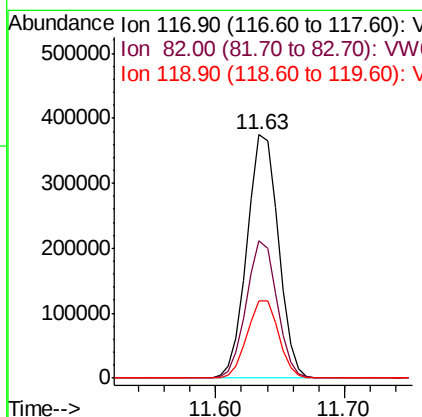
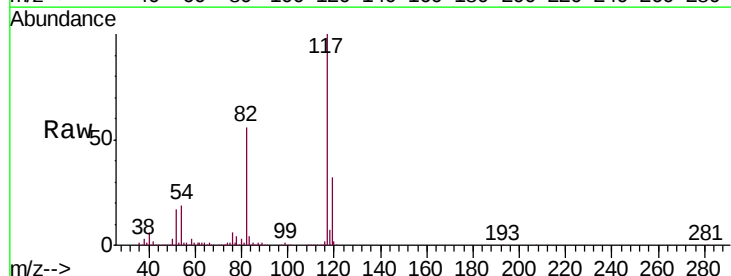
Instrument :
MSVOA_W
ClientSampleId :
T25-COMP

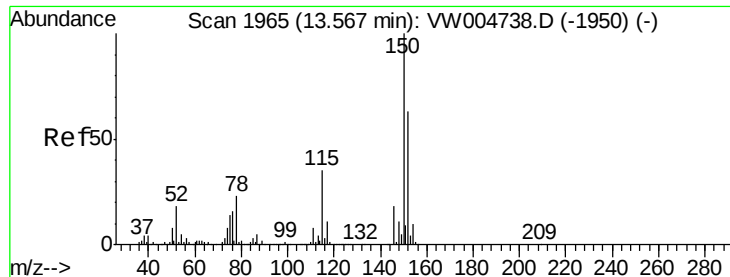
Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.6	0.0	165.8
176	80.3	0.0	159.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW004868.D
Acq: 22 Aug 2018 04:54

Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.3	44.6	67.0
119	31.9	25.6	38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VW004868.D

Acq: 22 Aug 2018 04:54

Instrument :

MSVOA_W

ClientSampleId :

T25-COMP

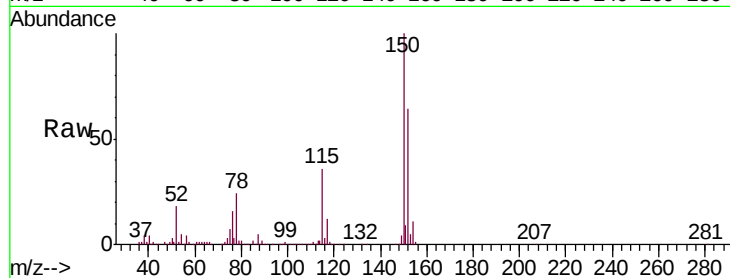
Tgt Ion:152 Resp: 206905

Ion Ratio Lower Upper

152 100

115 57.3 28.5 85.5

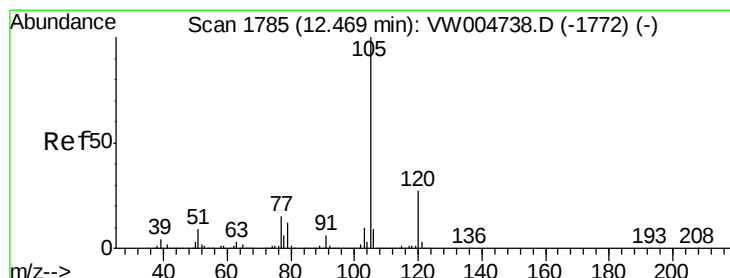
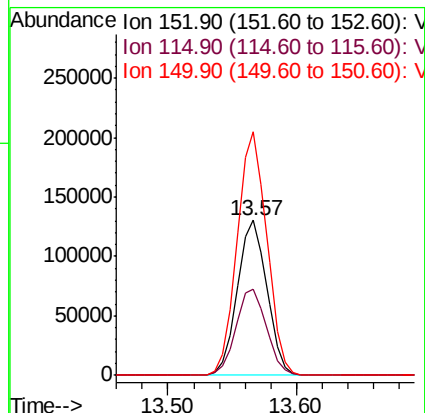
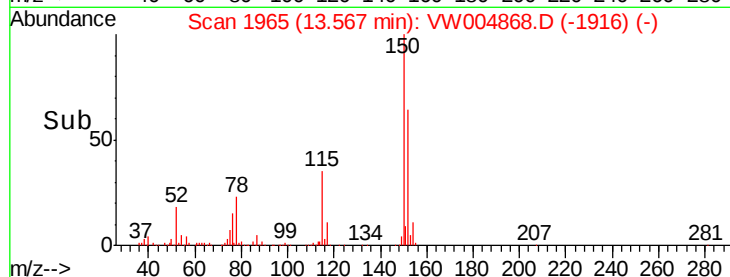
150 157.7 0.0 344.8



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



#73

Isopropylbenzene

Concen: 1.852 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. 0.01 min

Lab File: VW004868.D

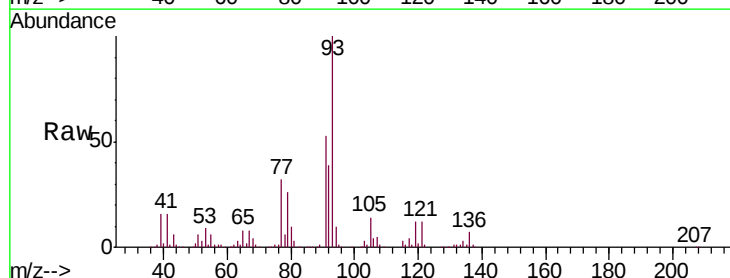
Acq: 22 Aug 2018 04:54

Tgt Ion:105 Resp: 26067

Ion Ratio Lower Upper

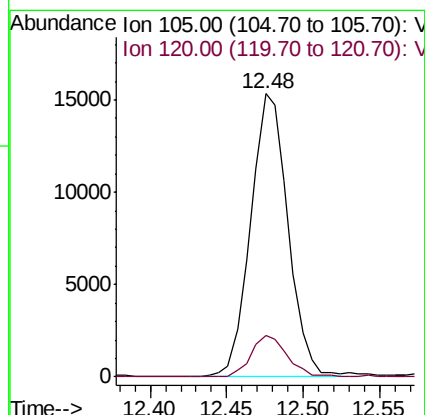
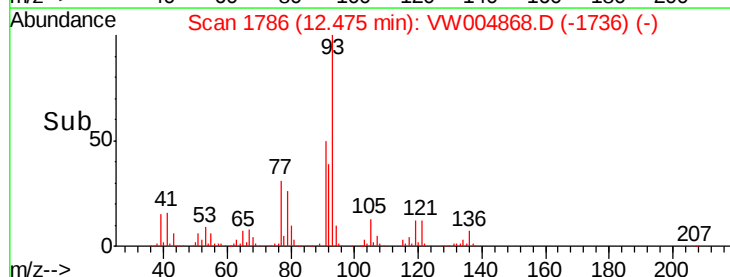
105 100

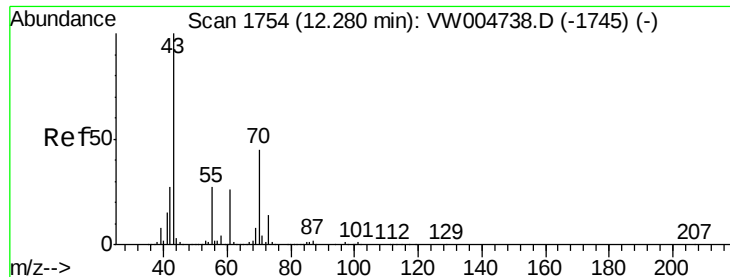
120 14.1 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

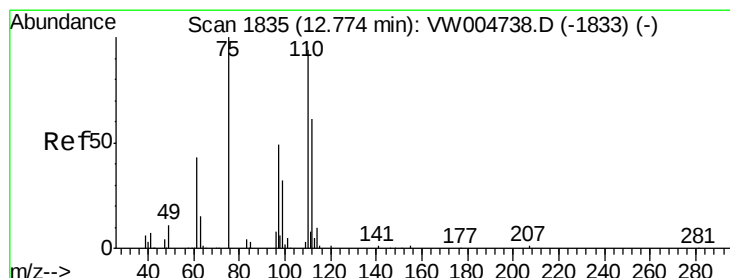
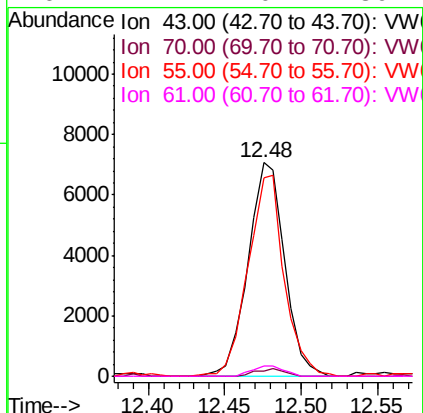
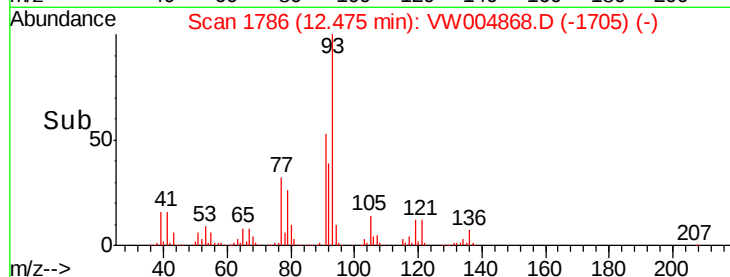
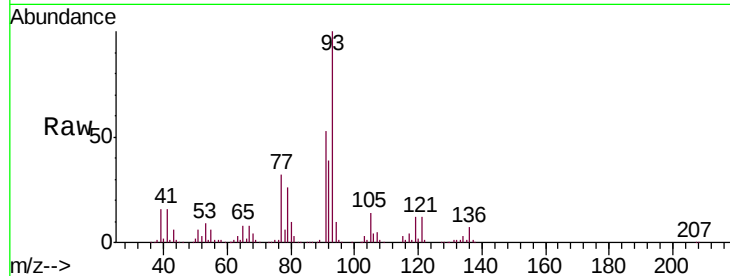




#74
N-amy1 acetate
Concen: 7.293 ug/l
RT: 12.48 min Scan# 1786
Delta R.T. 0.20 min
Lab File: VW004868.D
Acq: 22 Aug 2018 04:54

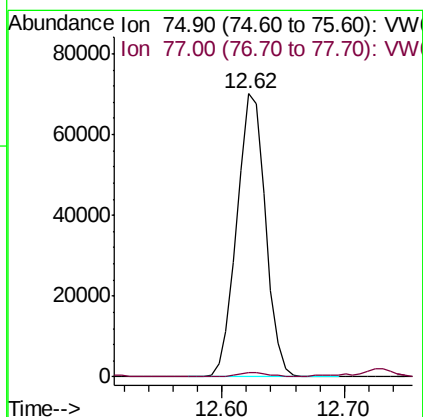
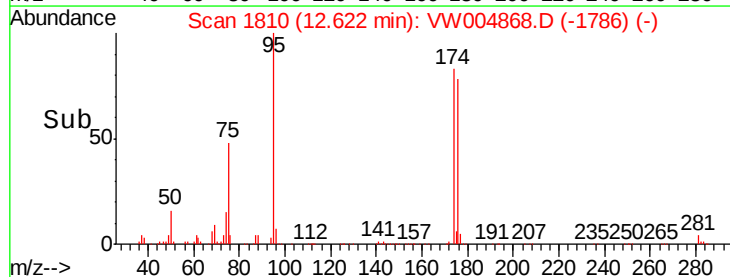
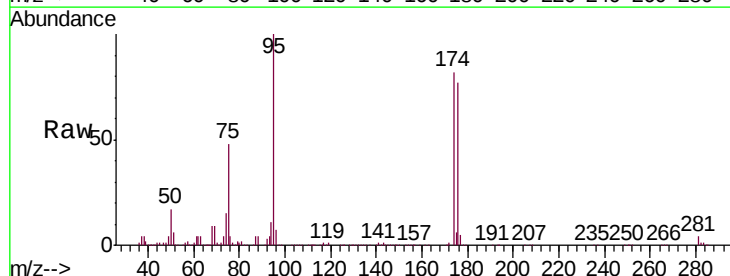
Instrument :
MSVOA_W
ClientSampleId :
T25-COMP

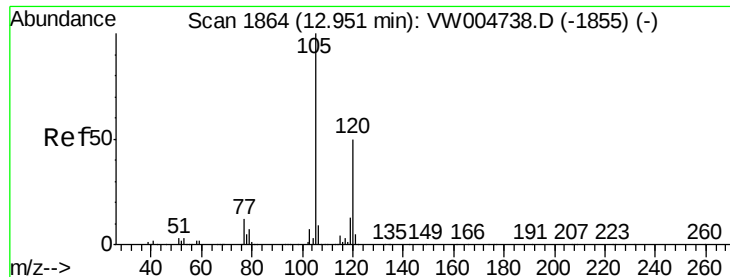
Tgt Ion: 43 Resp: 11737
Ion Ratio Lower Upper
43 100
70 2.9 36.3 54.5#
55 93.2 22.6 33.8#
61 4.4 20.2 30.4#



#76
1,2,3-Trichloropropane
Concen: 62.144 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.15 min
Lab File: VW004868.D
Acq: 22 Aug 2018 04:54

Tgt Ion: 75 Resp: 113345
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#

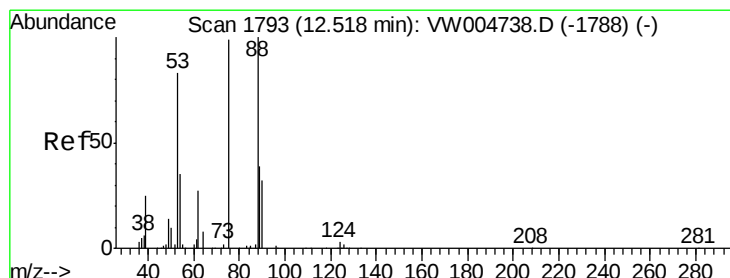
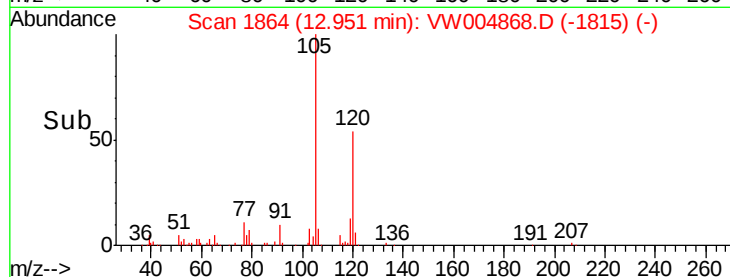
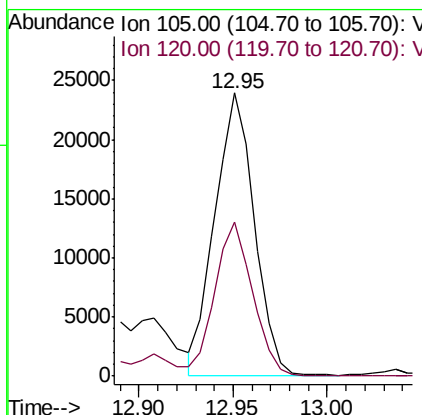
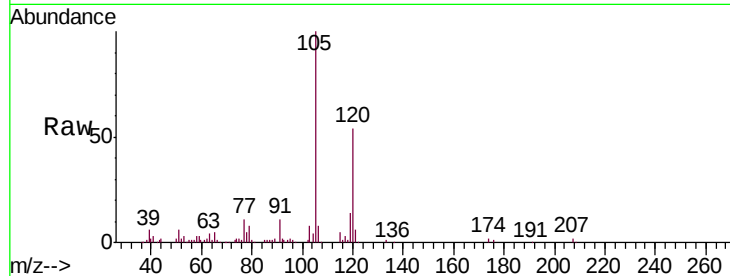




#80
 1,3,5-Trimethylbenzene
 Concen: 2.899 ug/l
 RT: 12.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VW004868.D
 Acq: 22 Aug 2018 04:54

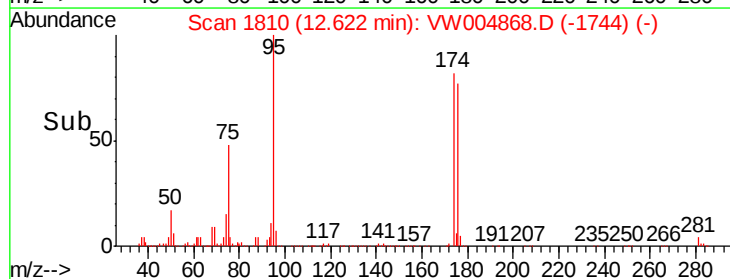
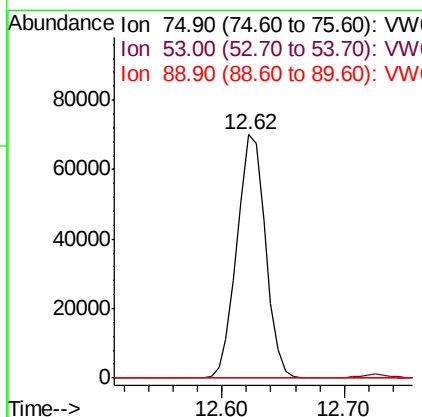
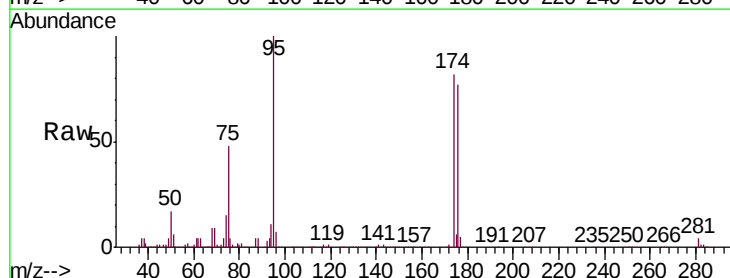
Instrument :
 MSVOA_W
 ClientSampleId :
 T25-COMP

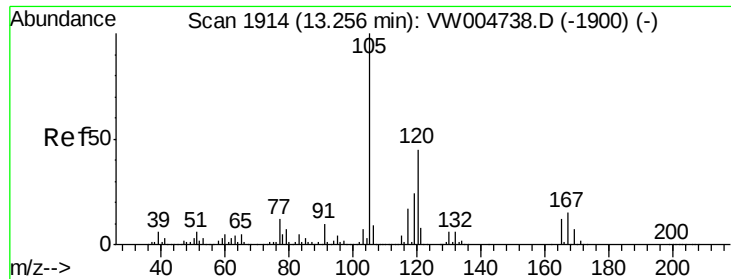
Tgt Ion: 105 Resp: 34671
 Ion Ratio Lower Upper
 105 100
 120 53.1 24.7 74.1



#81
 trans-1,4-Dichloro-2-butene
 Concen: 144.439 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.10 min
 Lab File: VW004868.D
 Acq: 22 Aug 2018 04:54

Tgt Ion: 75 Resp: 113345
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.2 108.4#
 89 0.0 35.2 52.8#

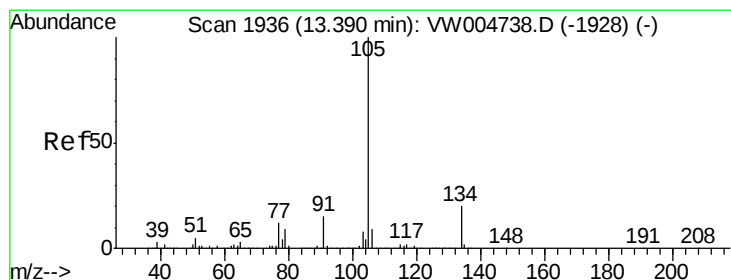
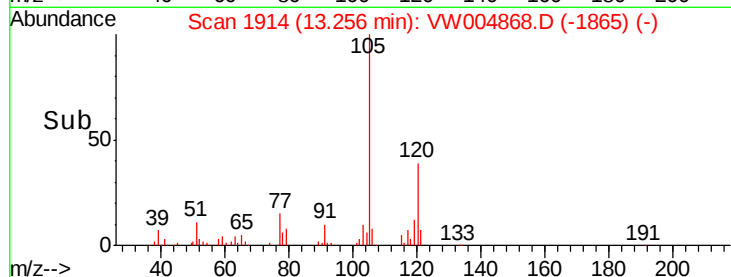
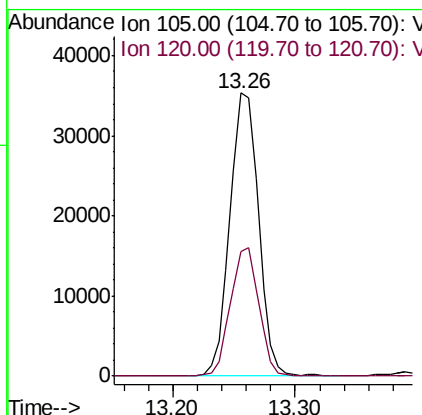
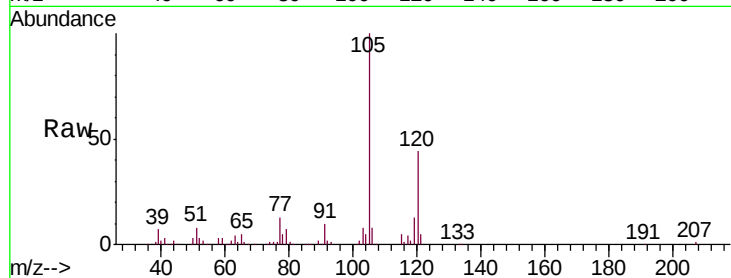




#84
 1,2,4-Trimethylbenzene
 Concen: 4.651 ug/l
 RT: 13.26 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: VW004868.D
 Acq: 22 Aug 2018 04:54

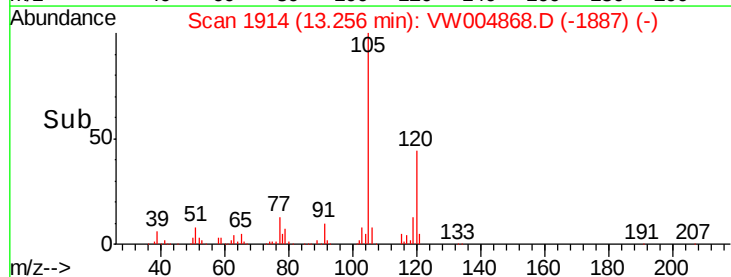
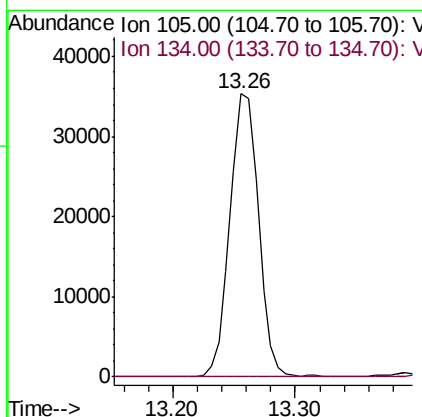
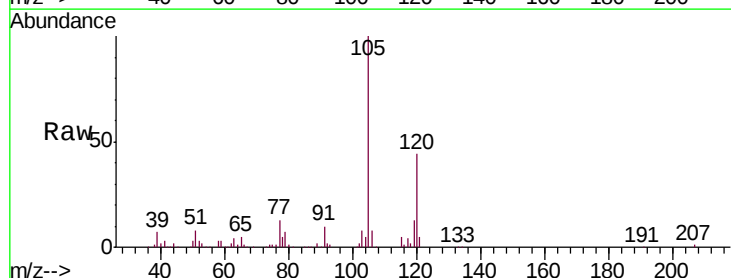
Instrument :
 MSVOA_W
 ClientSampleId :
 T25-COMP

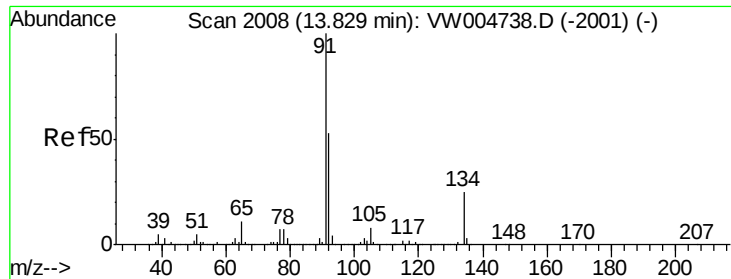
Tgt Ion:105 Resp: 57219
 Ion Ratio Lower Upper
 105 100
 120 44.8 22.8 68.3



#85
 sec-Butylbenzene
 Concen: 3.747 ug/l
 RT: 13.26 min Scan# 1914
 Delta R.T. -0.13 min
 Lab File: VW004868.D
 Acq: 22 Aug 2018 04:54

Tgt Ion:105 Resp: 57219
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.0 29.8#





#89

n-Butylbenzene

Concen: 1.727 ug/l

RT: 13.77 min Scan# 1998

Delta R.T. -0.06 min

Lab File: VW004868.D

Acq: 22 Aug 2018 04:54

Instrument :

MSVOA_W

ClientSampleId :

T25-COMP

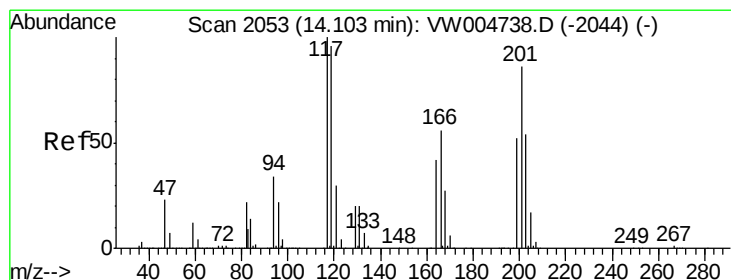
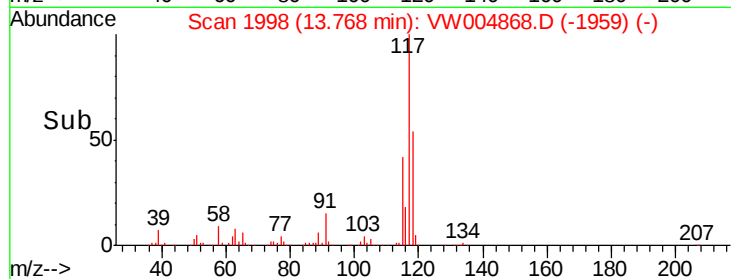
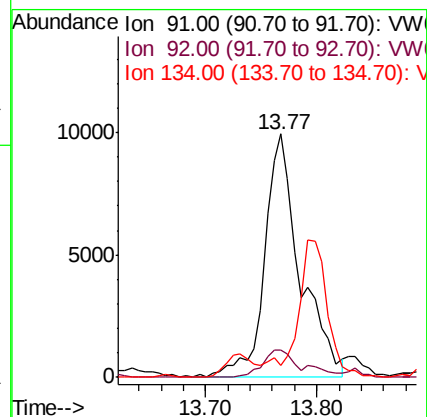
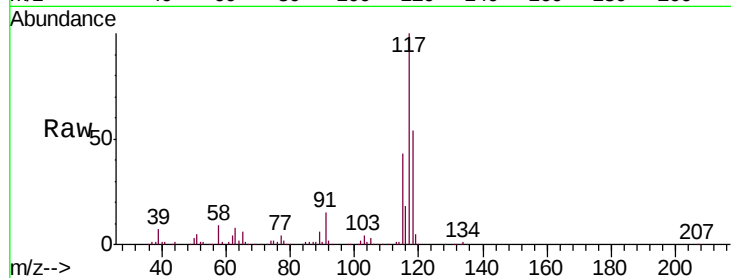
Tgt Ion: 91 Resp: 22186

Ion Ratio Lower Upper

91 100

92 9.5 26.4 79.2#

134 0.0 12.8 38.3#



#90

Hexachloroethane

Concen: 1.006 ug/l

RT: 14.11 min Scan# 2054

Delta R.T. 0.01 min

Lab File: VW004868.D

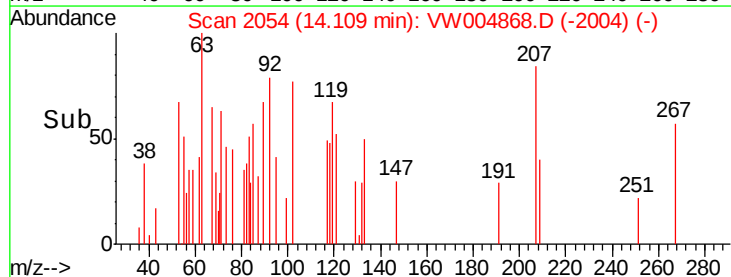
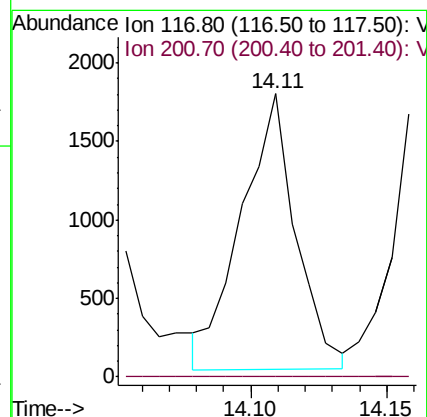
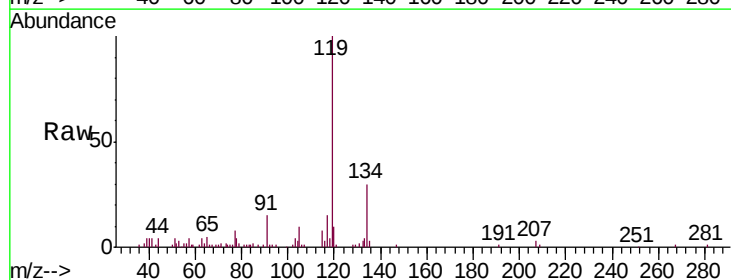
Acq: 22 Aug 2018 04:54

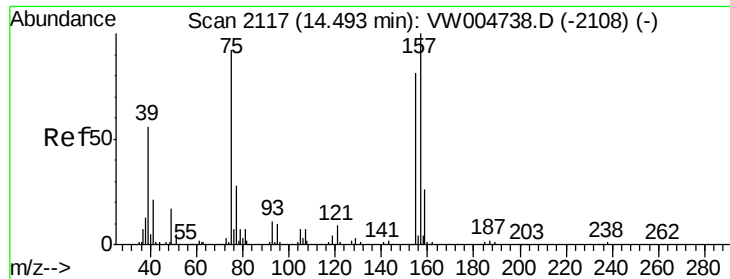
Tgt Ion: 117 Resp: 2437

Ion Ratio Lower Upper

117 100

201 0.0 42.4 127.2#

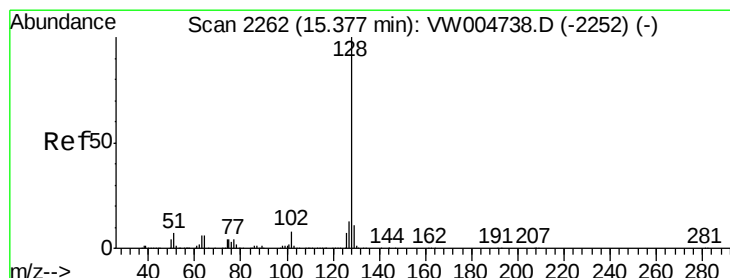
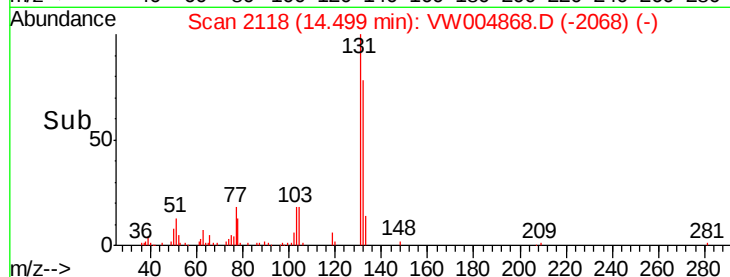
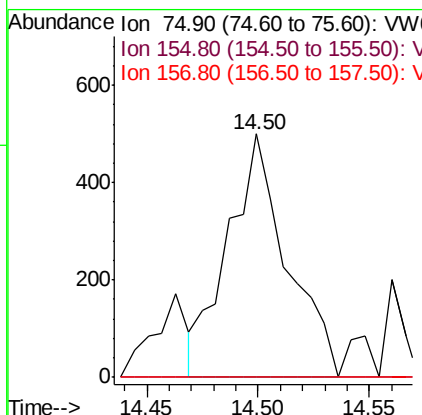
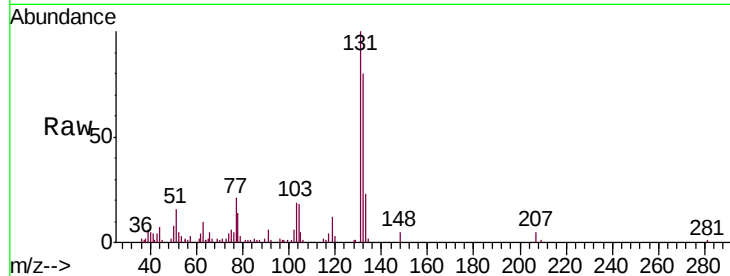




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.258 ug/l
 RT: 14.50 min Scan# 2118
 Delta R.T. 0.01 min
 Lab File: VW004868.D
 Acq: 22 Aug 2018 04:54

Instrument :
 MSVOA_W
 ClientSampleId :
 T25-COMP

Tgt Ion: 75 Resp: 920
 Ion Ratio Lower Upper
 75 100
 155 0.0 43.3 129.9#
 157 0.0 54.5 163.6#



#95
 Naphthalene
 Concen: 557.152 ug/l
 RT: 15.38 min Scan# 2262
 Delta R.T. 0.00 min
 Lab File: VW004868.D
 Acq: 22 Aug 2018 04:54

Tgt Ion: 128 Resp: 5079145
 Ion Ratio Lower Upper
 128 100
 127 13.0 10.4 15.6
 129 11.0 8.6 13.0

