

Data File : VW004869.D
Acq On : 22 Aug 2018 05:20
Operator : SY/AP
Sample : J4273-07
Misc : 5.24G/5ML/MSVOA_W/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T26-COMP

Quant Time: Aug 22 07:51:14 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	237731	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	360147	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	306114	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	114551	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	127666	55.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.10%	
35) Dibromofluoromethane	7.89	113	128764	55.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.88%	
50) Toluene-d8	10.33	98	422468	47.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.04%	
62) 4-Bromofluorobenzene	12.62	95	110422	34.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	68.32%	

Target Compounds

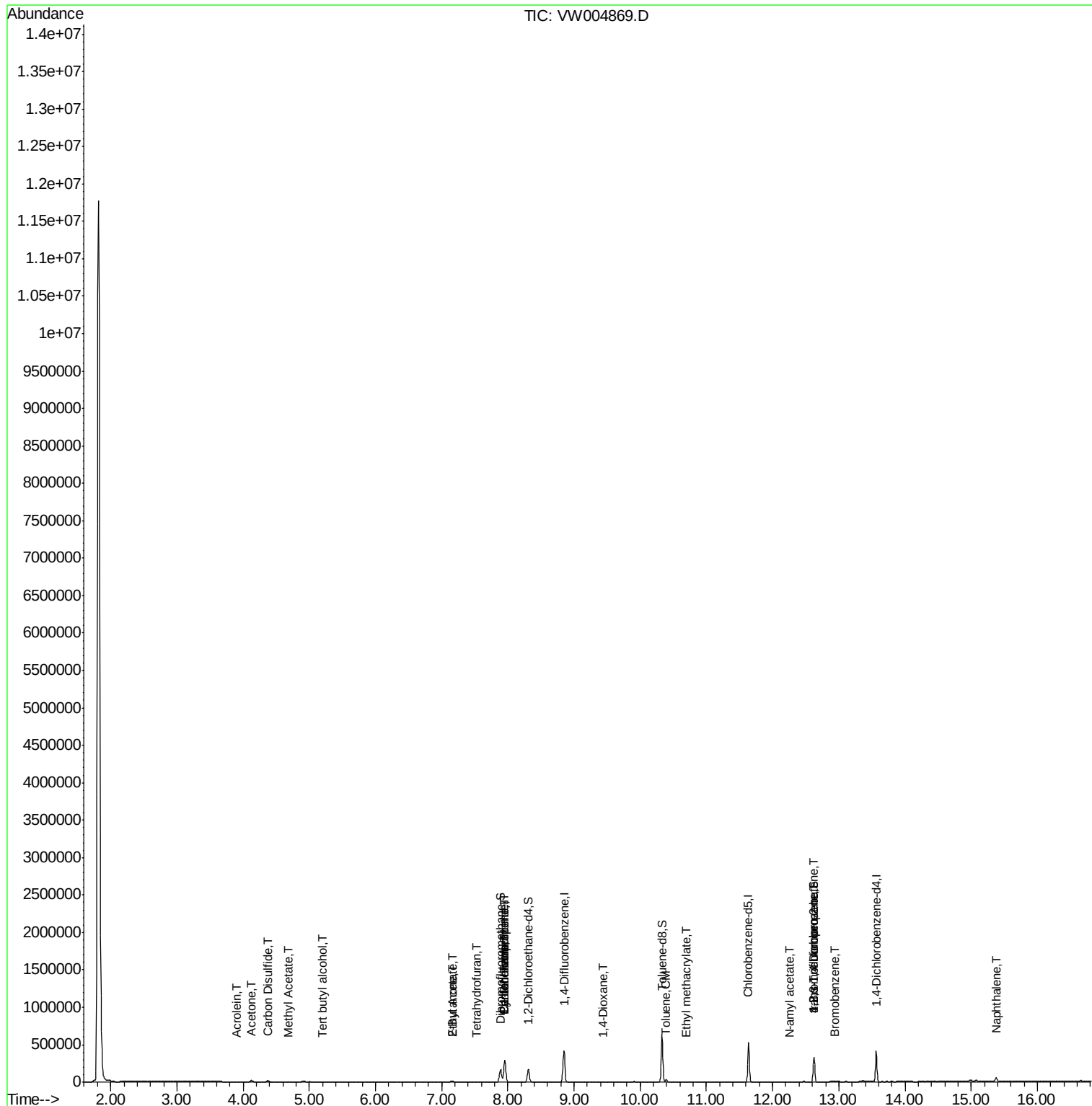
						Qvalue
11) Tert butyl alcohol	5.19	59	232	1.807	ug/l #	72
13) Acrolein	3.90	56	384	2.229	ug/l #	81
16) Acetone	4.12	43	32545	55.469	ug/l	94
17) Carbon Disulfide	4.37	76	34888	4.333	ug/l #	90
18) Methyl Acetate	4.67	43	1792	1.425	ug/l #	90
20) Methylene Chloride	4.91	84	11510	Below Cal	#	90
25) 2-Butanone	7.18	43	7690	9.199	ug/l #	87
29) Tetrahydrofuran	7.53	42	784	1.839	ug/l #	49
31) Cyclohexane	7.95	56	4699	1.046	ug/l #	1
36) 1,1-Dichloropropene	7.96	75	17255	4.651	ug/l #	50
37) Ethyl Acetate	7.18	43	7690	5.200	ug/l #	68
38) Carbon Tetrachloride	7.95	117	21817	6.388	ug/l #	16
49) 1,4-Dioxane	9.45	88	30	1.572	ug/l #	1
52) Toluene	10.39	92	12325	1.906	ug/l	96
56) Ethyl methacrylate	10.69	69	42	2.997	ug/l #	27
74) N-amyl acetate	12.24	43	336	4.188	ug/l #	46
76) 1,2,3-Trichloropropane	12.62	75	53078	52.563	ug/l #	100
77) Bromobenzene	12.93	156	10950	5.805	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	53078	122.171	ug/l #	14
95) Naphthalene	15.38	128	42693	11.913	ug/l	99

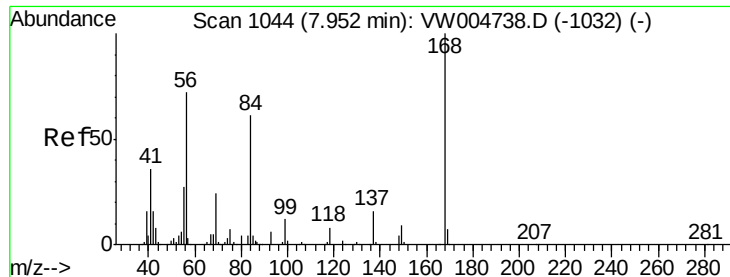
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW004869.D

Acq: 22 Aug 2018 05:20

Instrument :

MSVOA_W

ClientSampleId :

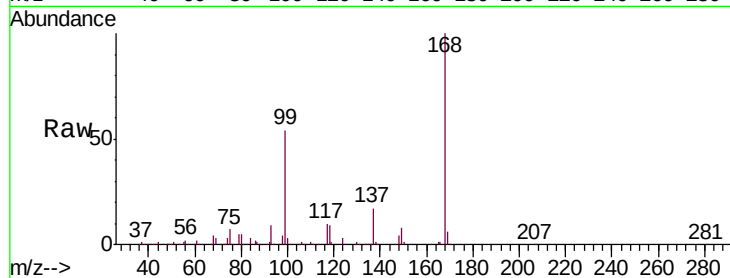
T26-COMP

Tgt Ion:168 Resp: 237731

Ion Ratio Lower Upper

168 100

99 53.5 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

120000

100000

80000

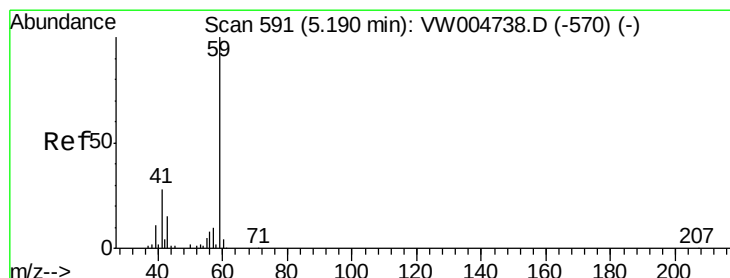
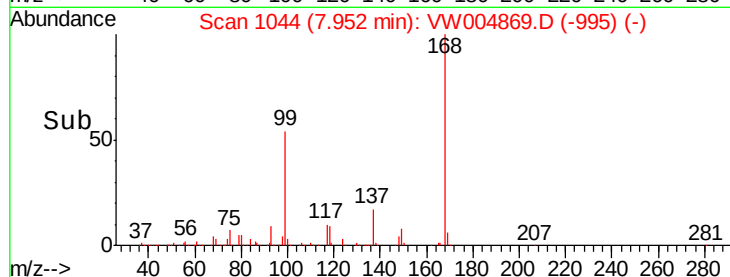
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.807 ug/l

RT: 5.19 min Scan# 591

Delta R.T. -0.00 min

Lab File: VW004869.D

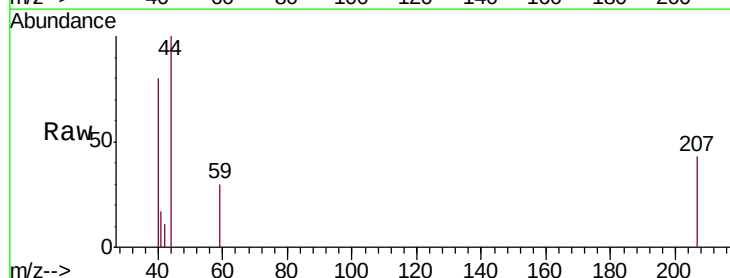
Acq: 22 Aug 2018 05:20

Tgt Ion: 59 Resp: 232

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

5.19

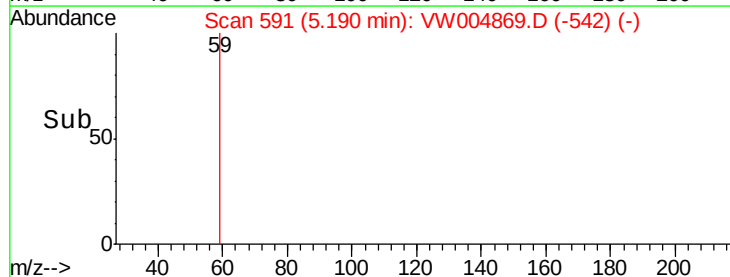
150

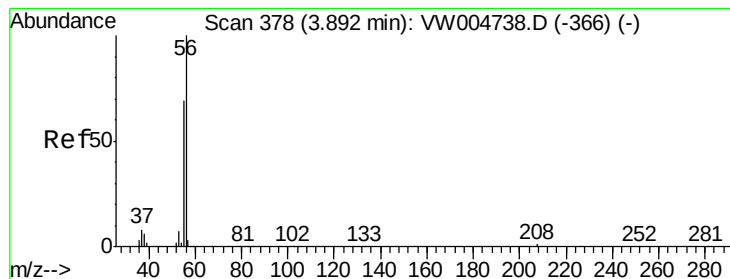
100

50

0

Time-->





#13

Acrolein

Concen: 2.229 ug/l

RT: 3.90 min Scan# 379

Delta R.T. 0.01 min

Lab File: VW004869.D

Acq: 22 Aug 2018 05:20

Instrument :

MSVOA_W

ClientSampleId :

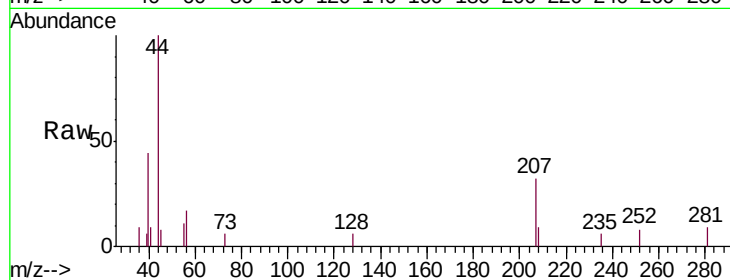
T26-COMP

Tgt Ion: 56 Resp: 384

Ion Ratio Lower Upper

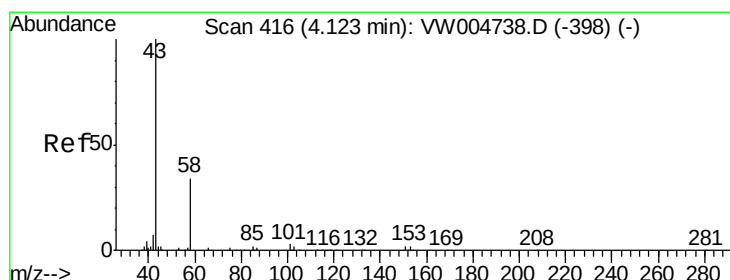
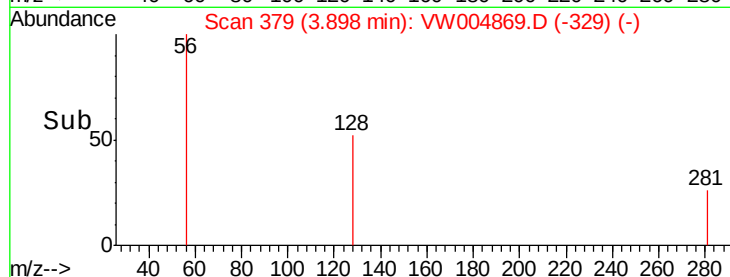
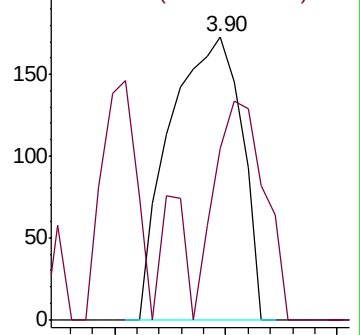
56 100

55 54.4 56.1 84.1#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#16

Acetone

Concen: 55.469 ug/l

RT: 4.12 min Scan# 416

Delta R.T. -0.00 min

Lab File: VW004869.D

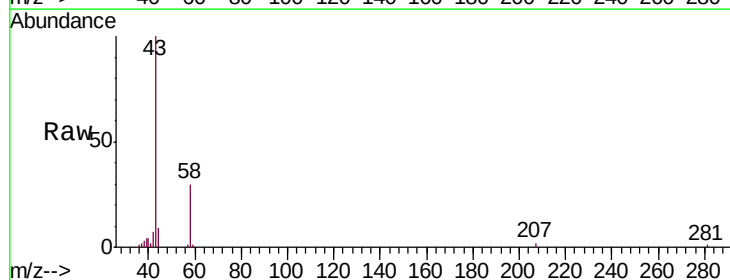
Acq: 22 Aug 2018 05:20

Tgt Ion: 43 Resp: 32545

Ion Ratio Lower Upper

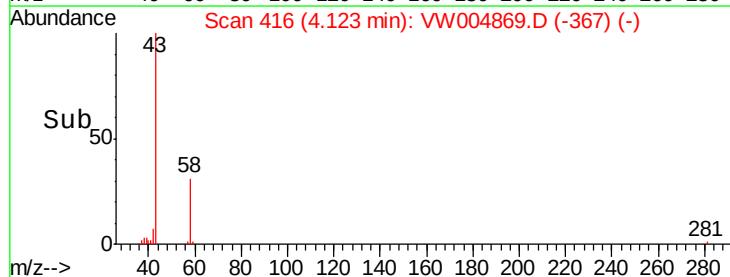
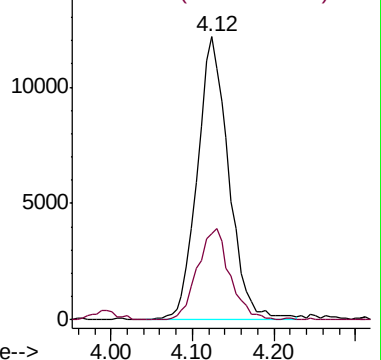
43 100

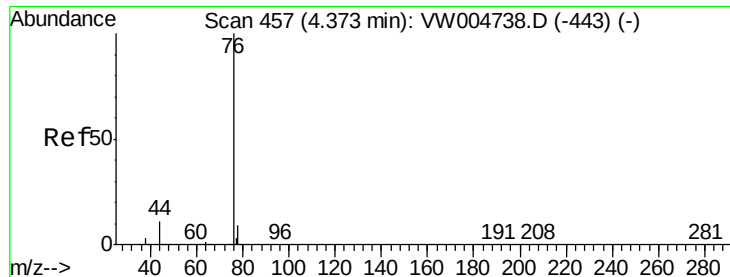
58 30.5 27.3 40.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 4.333 ug/l

RT: 4.37 min Scan# 457

Delta R.T. -0.00 min

Lab File: VW004869.D

Acq: 22 Aug 2018 05:20

Instrument :

MSVOA_W

ClientSampled :

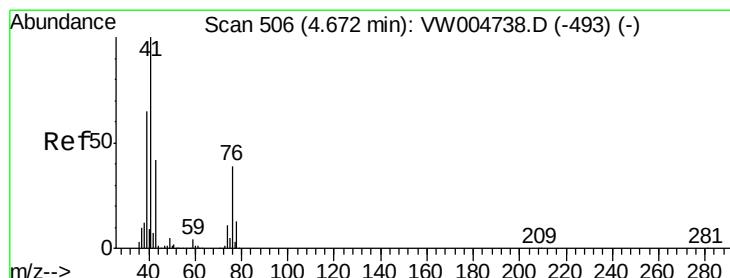
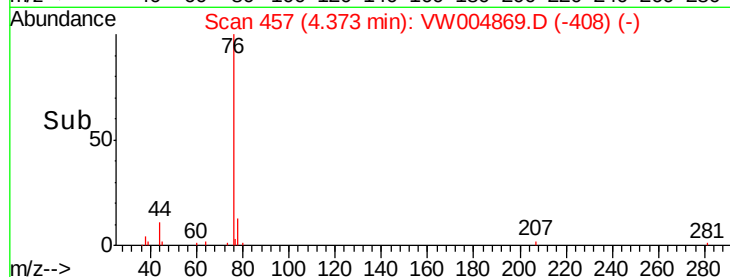
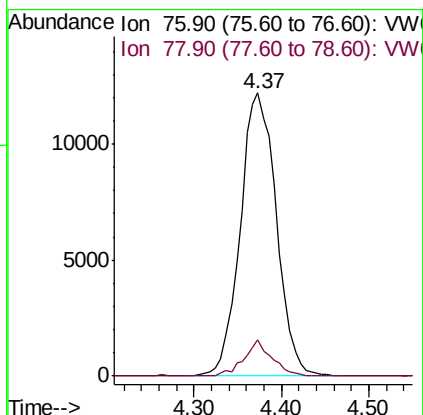
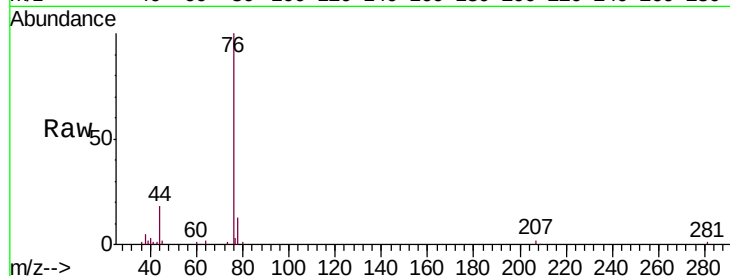
T26-COMP

Tgt Ion: 76 Resp: 34888

Ion Ratio Lower Upper

76 100

78 12.8 7.4 11.2#



#18

Methyl Acetate

Concen: 1.425 ug/l

RT: 4.67 min Scan# 506

Delta R.T. -0.00 min

Lab File: VW004869.D

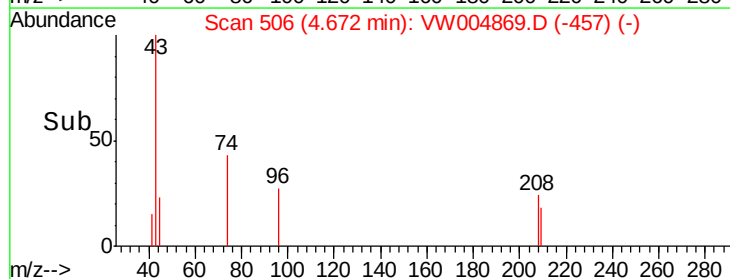
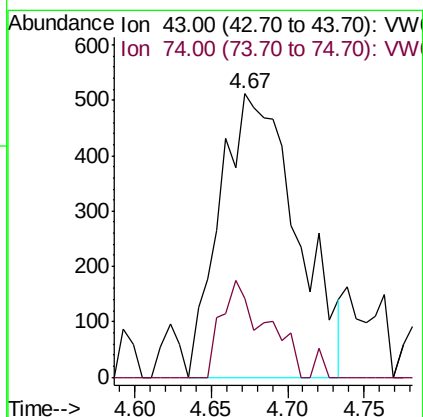
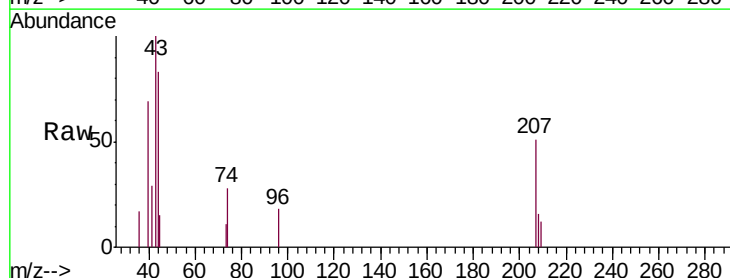
Acq: 22 Aug 2018 05:20

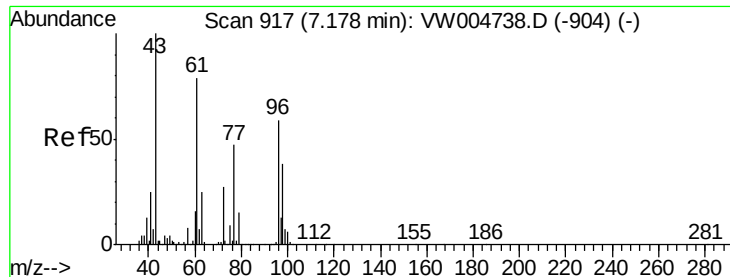
Tgt Ion: 43 Resp: 1792

Ion Ratio Lower Upper

43 100

74 19.8 19.8 29.8#

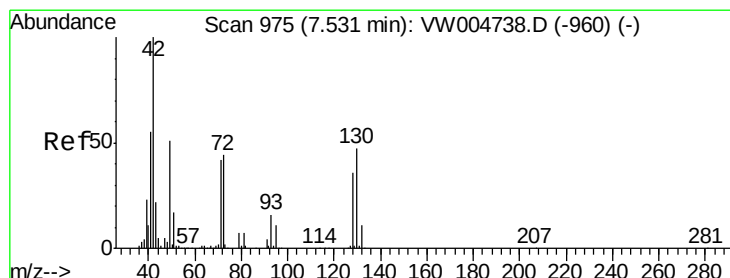
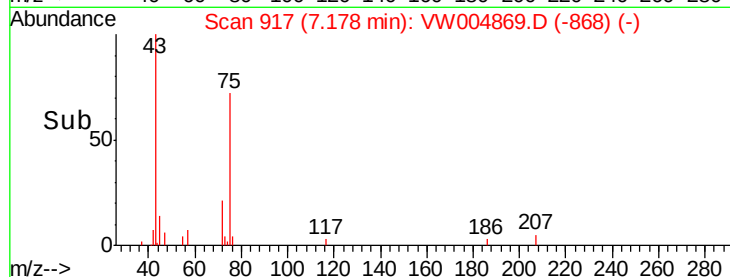
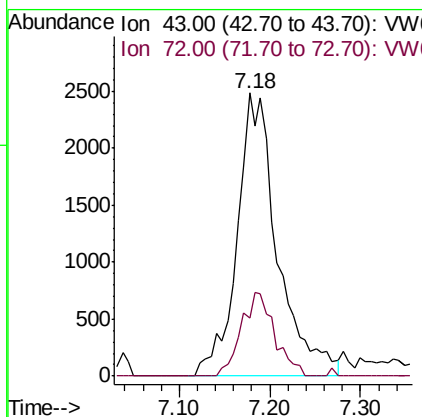
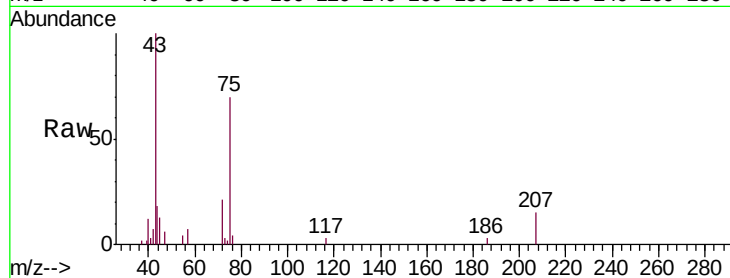




#25
 2-Butanone
 Concen: 9.199 ug/l
 RT: 7.18 min Scan# 917
 Delta R.T. -0.00 min
 Lab File: VW004869.D
 Acq: 22 Aug 2018 05:20

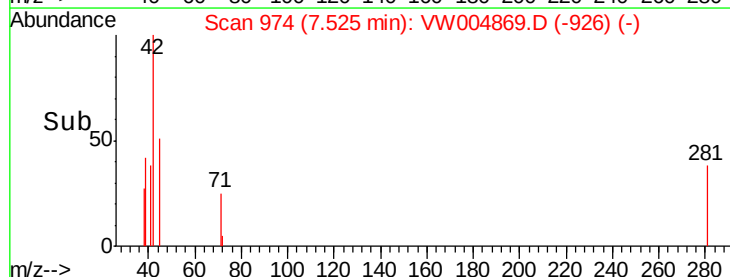
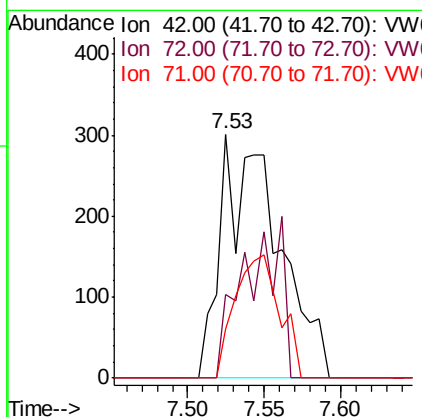
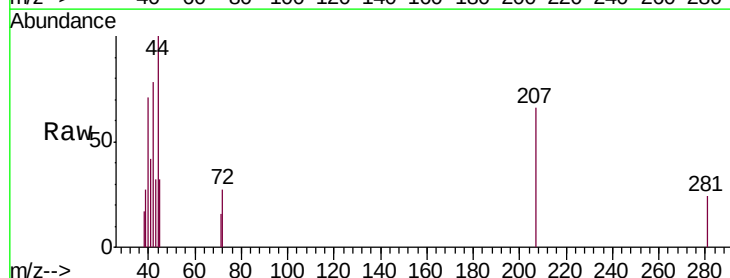
Instrument :
 MSVOA_W
 ClientSampled :
 T26-COMP

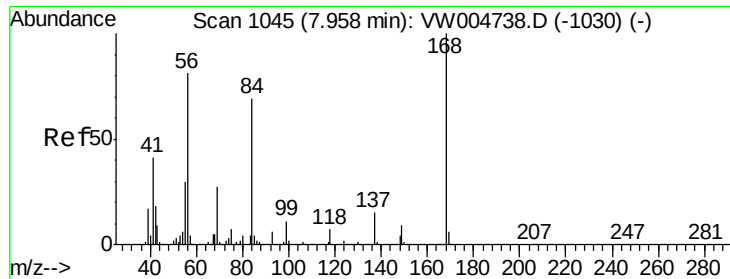
Tgt Ion: 43 Resp: 7690
 Ion Ratio Lower Upper
 43 100
 72 20.5 22.0 33.0#



#29
 Tetrahydrofuran
 Concen: 1.839 ug/l
 RT: 7.53 min Scan# 974
 Delta R.T. -0.01 min
 Lab File: VW004869.D
 Acq: 22 Aug 2018 05:20

Tgt Ion: 42 Resp: 784
 Ion Ratio Lower Upper
 42 100
 72 21.0 34.9 52.3#
 71 0.0 33.8 50.6#

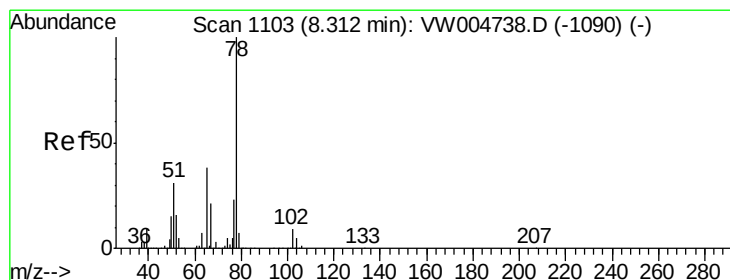
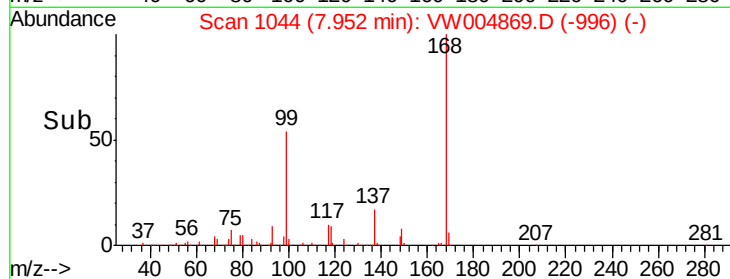
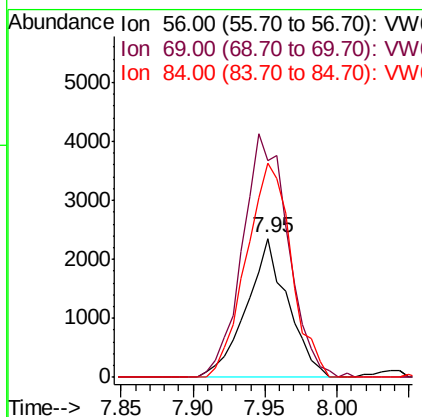
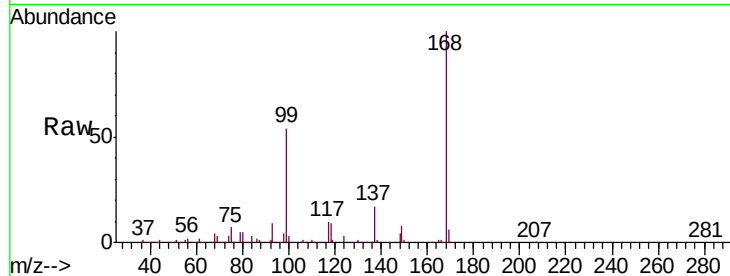




#31
Cyclohexane
Concen: 1.046 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VW004869.D
Acq: 22 Aug 2018 05:20

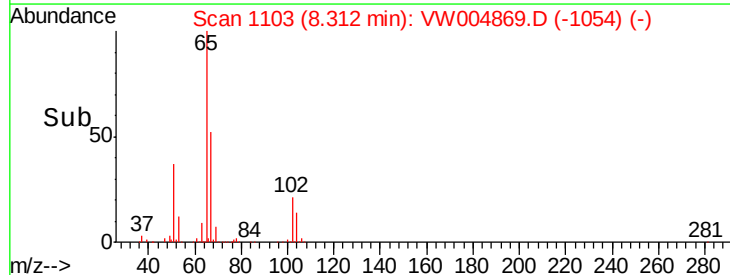
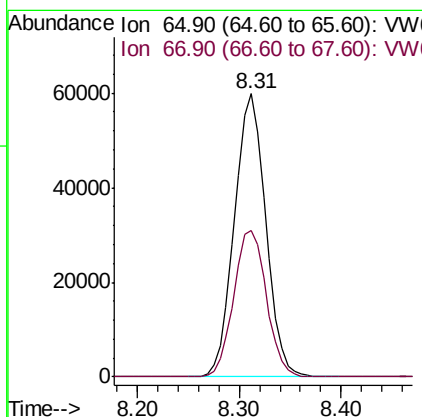
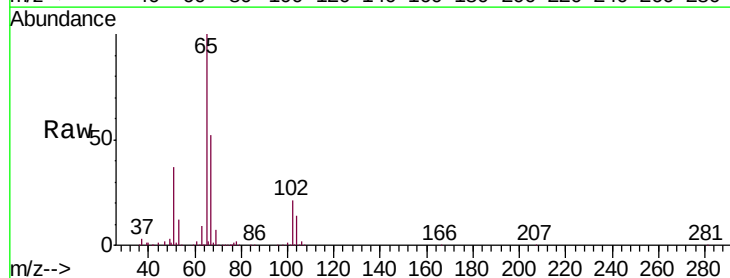
Instrument :
MSVOA_W
ClientSampled :
T26-COMP

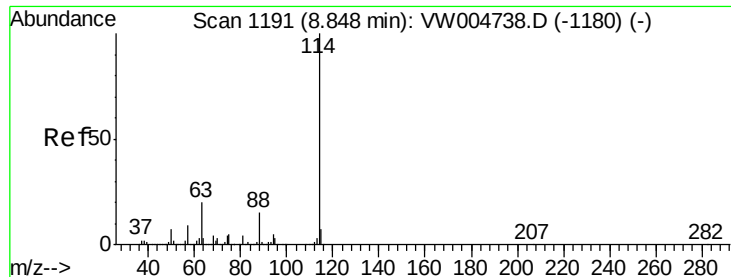
Tgt Ion: 56 Resp: 4699
Ion Ratio Lower Upper
56 100
69 156.1 27.1 40.7#
84 154.1 68.3 102.5#



#33
1,2-Dichloroethane-d4
Concen: 55.546 ug/l
RT: 8.31 min Scan# 1103
Delta R.T. -0.00 min
Lab File: VW004869.D
Acq: 22 Aug 2018 05:20

Tgt Ion: 65 Resp: 127666
Ion Ratio Lower Upper
65 100
67 54.1 0.0 109.4

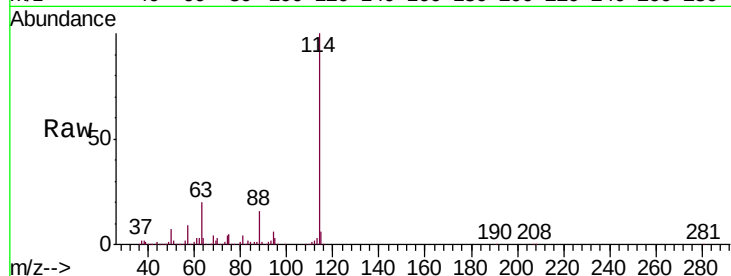




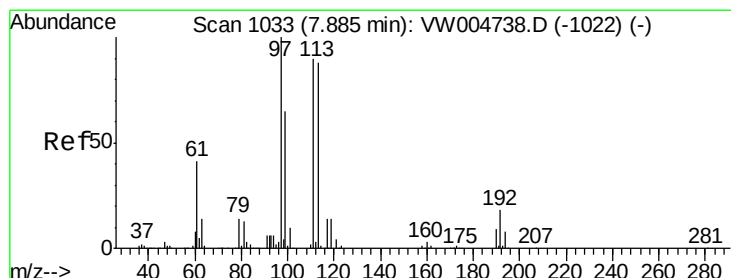
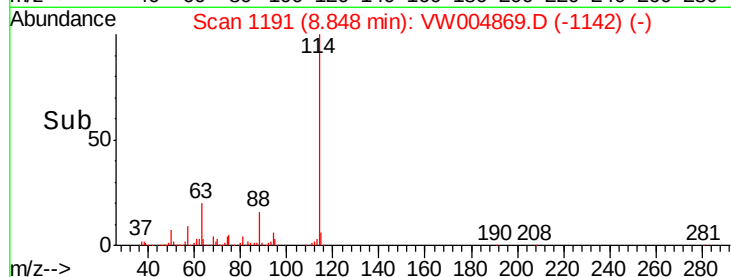
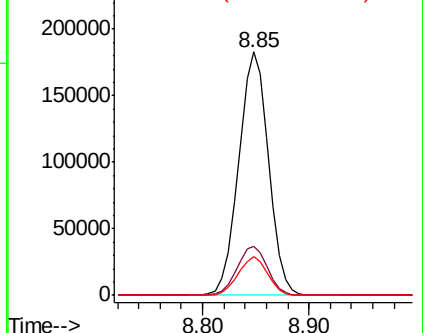
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW004869.D
 Acq: 22 Aug 2018 05:20

Instrument :
 MSVOA_W
 ClientSampleId :
 T26-COMP

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	39.0
88	15.8	0.0	30.0

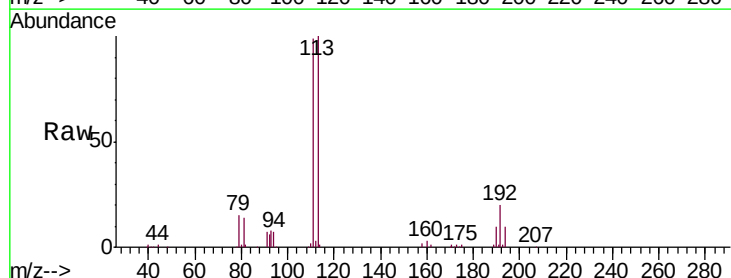


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VV
 Ion 87.90 (87.60 to 88.60): VV

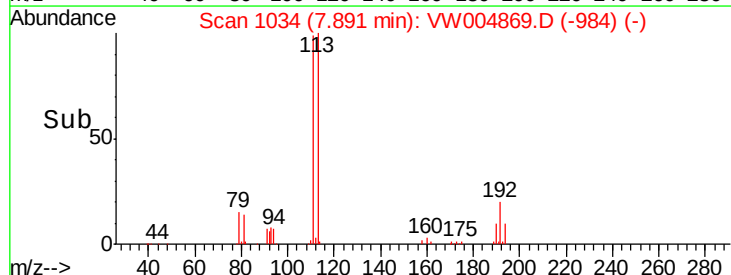
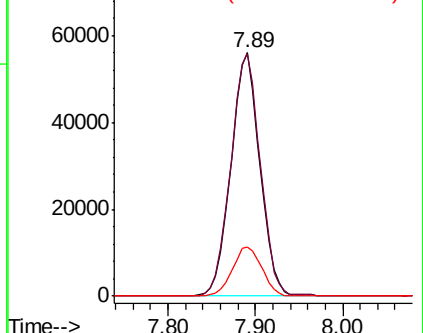


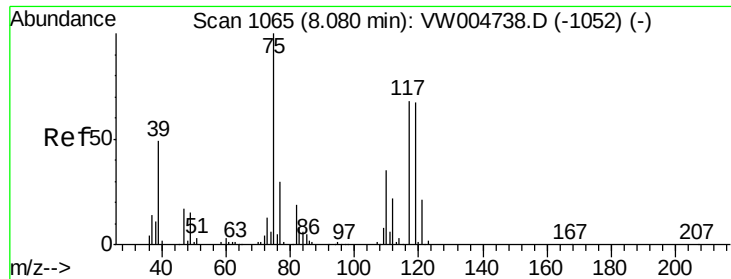
#35
 Dibromofluoromethane
 Concen: 55.940 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. 0.01 min
 Lab File: VW004869.D
 Acq: 22 Aug 2018 05:20

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.4	123.6
192	20.6	16.7	25.1



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: 4.651 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.12 min

Lab File: VW004869.D

Acq: 22 Aug 2018 05:20

Instrument :

MSVOA_W

ClientSampleId :

T26-COMP

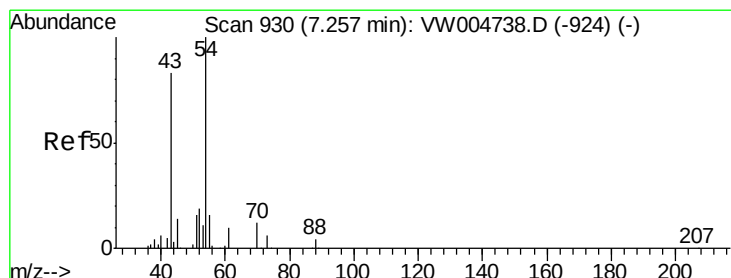
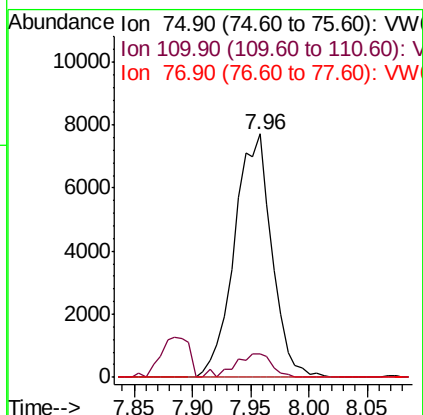
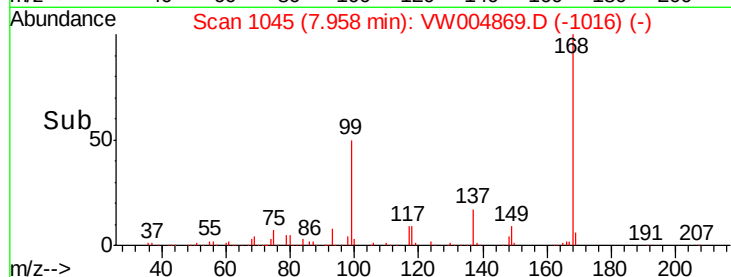
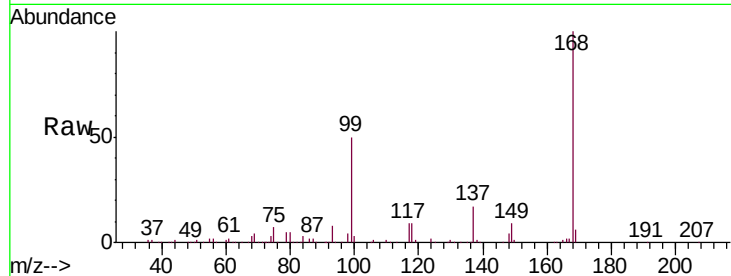
Tgt Ion: 75 Resp: 17255

Ion Ratio Lower Upper

75 100

110 9.6 17.8 53.5#

77 0.0 24.9 37.3#



#37

Ethyl Acetate

Concen: 5.200 ug/l

RT: 7.18 min Scan# 917

Delta R.T. -0.08 min

Lab File: VW004869.D

Acq: 22 Aug 2018 05:20

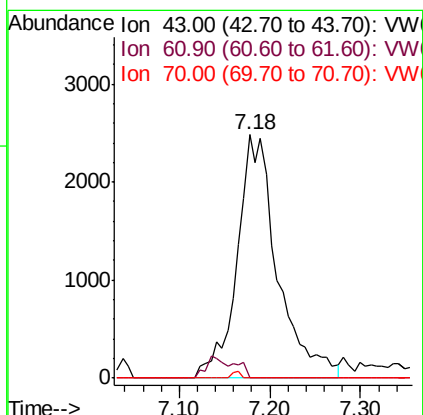
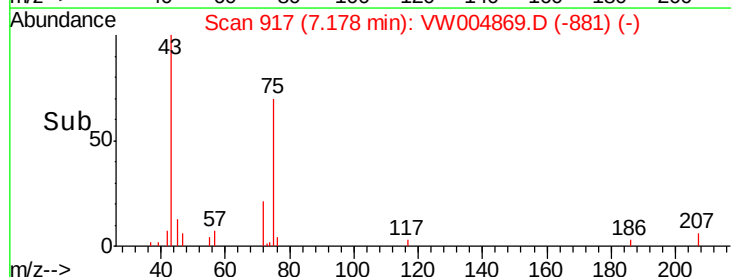
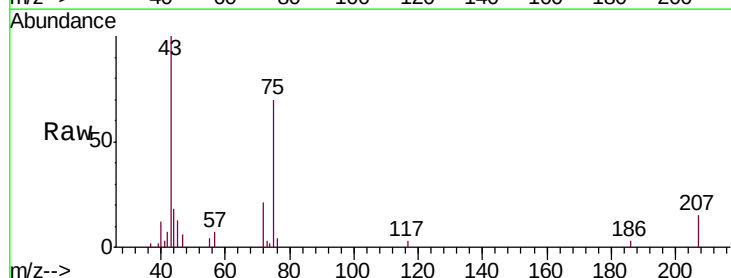
Tgt Ion: 43 Resp: 7690

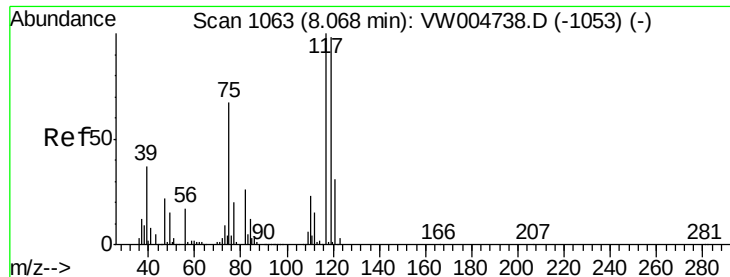
Ion Ratio Lower Upper

43 100

61 0.0 11.6 17.4#

70 0.5 9.2 13.8#





#38

Carbon Tetrachloride

Concen: 6.388 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW004869.D

Acq: 22 Aug 2018 05:20

Instrument :

MSVOA_W

ClientSampled :

T26-COMP

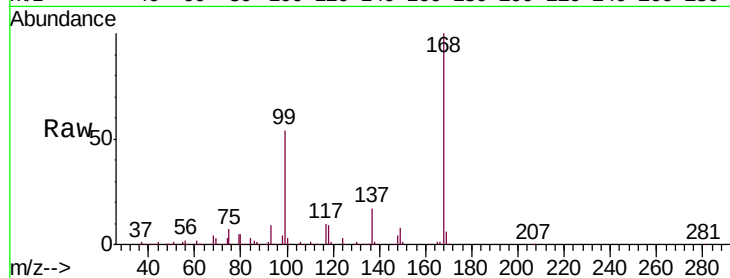
Tgt Ion:117 Resp: 21817

Ion Ratio Lower Upper

117 100

119 5.9 78.0 117.0#

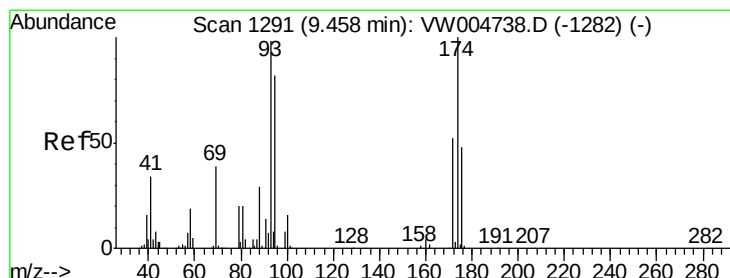
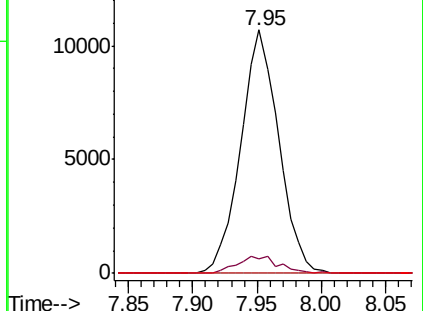
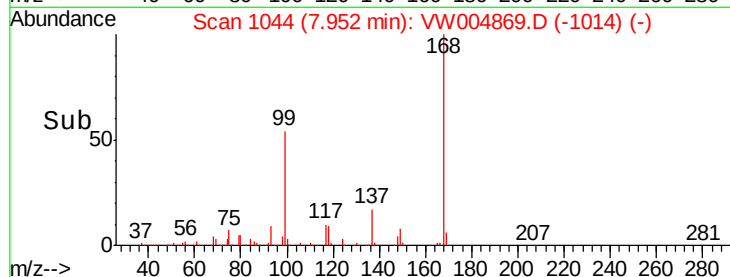
121 0.0 24.8 37.2#



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



#49

1,4-Dioxane

Concen: 1.572 ug/l

RT: 9.45 min Scan# 1290

Delta R.T. -0.01 min

Lab File: VW004869.D

Acq: 22 Aug 2018 05:20

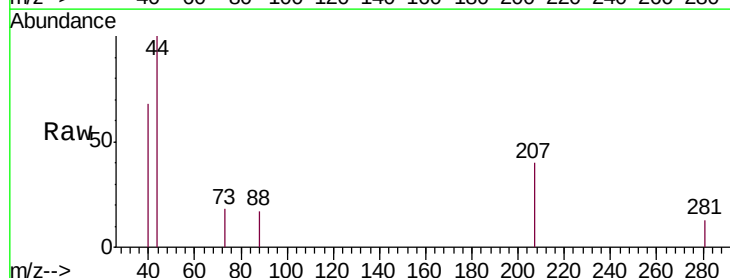
Tgt Ion: 88 Resp: 30

Ion Ratio Lower Upper

88 100

43 286.7 22.9 34.3#

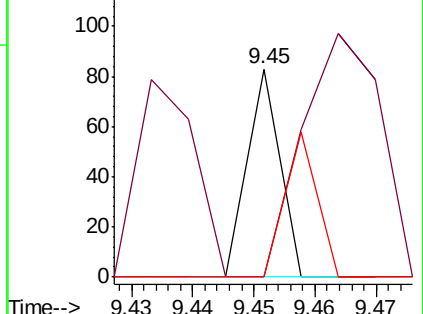
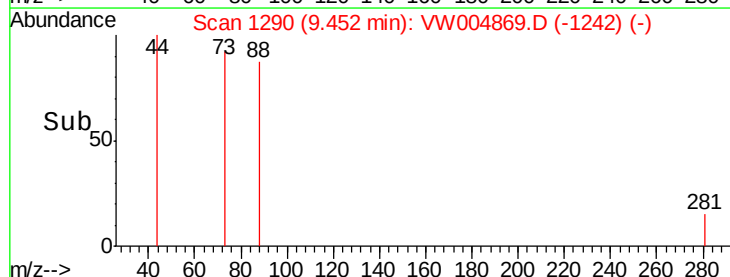
58 70.0 60.0 90.0

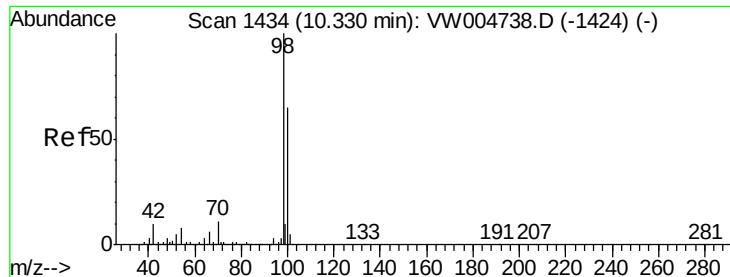


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 47.017 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW004869.D

Acq: 22 Aug 2018 05:20

Instrument :

MSVOA_W

ClientSampled :

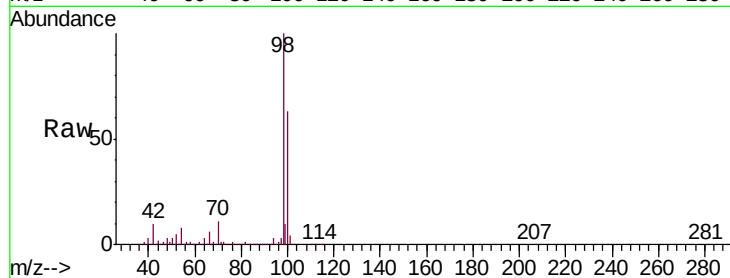
T26-COMP

Tgt Ion: 98 Resp: 422468

Ion Ratio Lower Upper

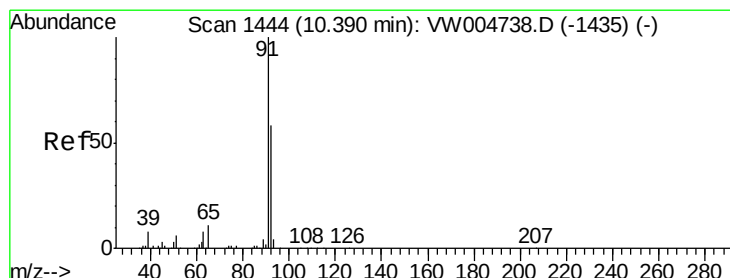
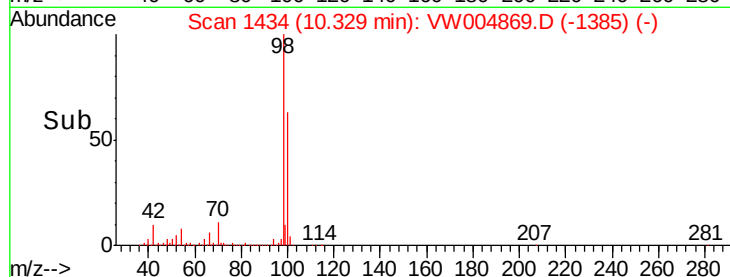
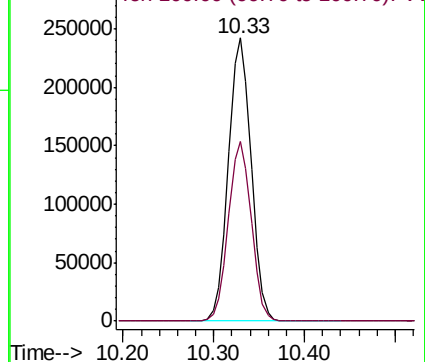
98 100

100 63.7 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#52

Toluene

Concen: 1.906 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW004869.D

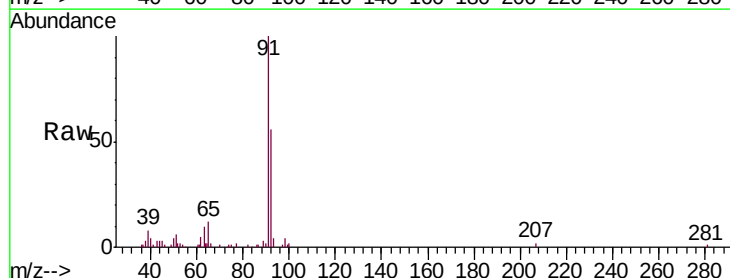
Acq: 22 Aug 2018 05:20

Tgt Ion: 92 Resp: 12325

Ion Ratio Lower Upper

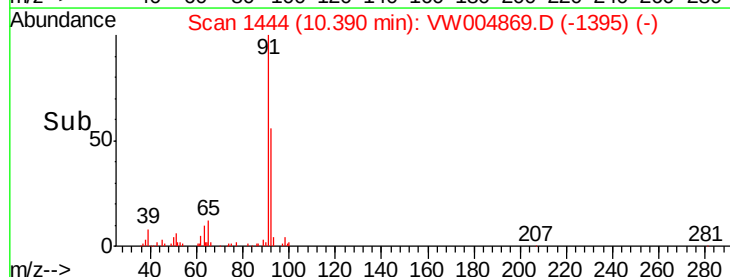
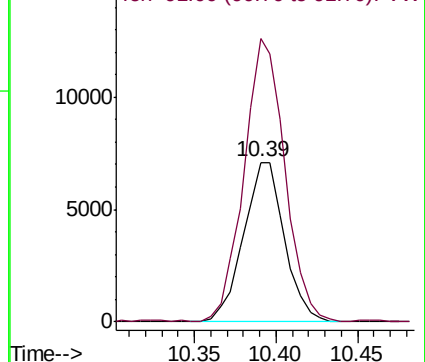
92 100

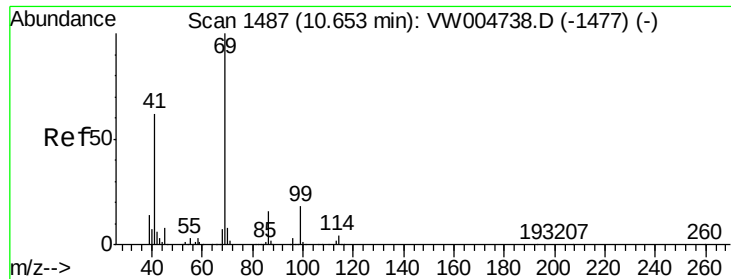
91 177.9 138.3 207.5



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

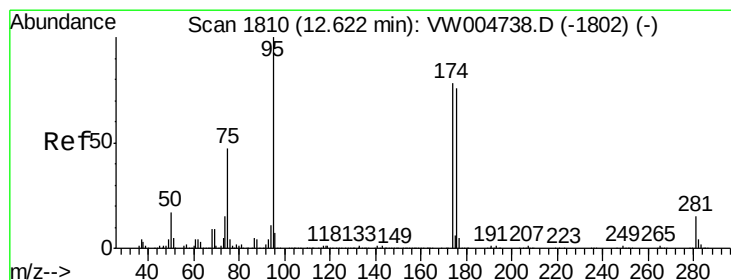
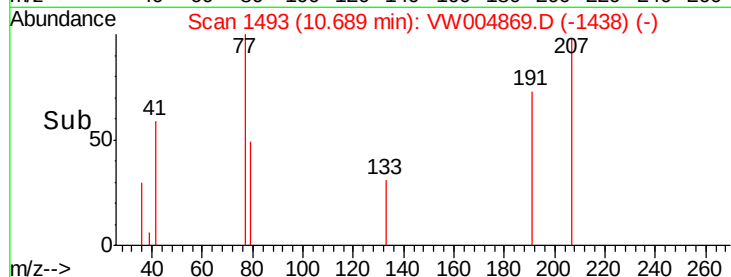
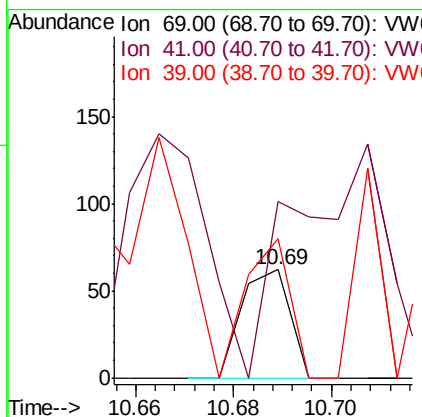
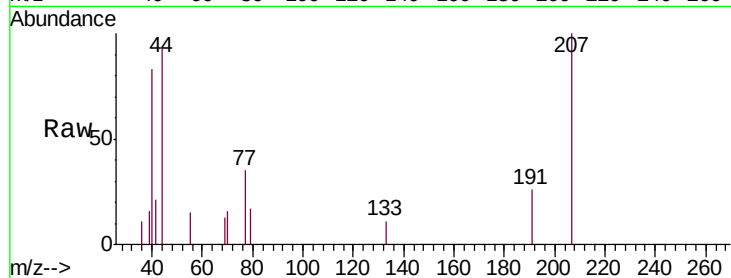




#56
Ethyl methacrylate
Concen: 2.997 ug/l
RT: 10.69 min Scan# 1493
Delta R.T. 0.04 min
Lab File: VW004869.D
Acq: 22 Aug 2018 05:20

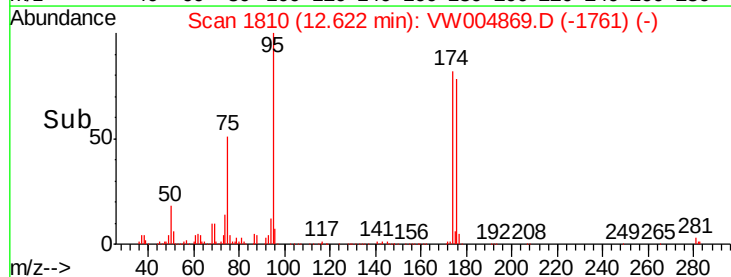
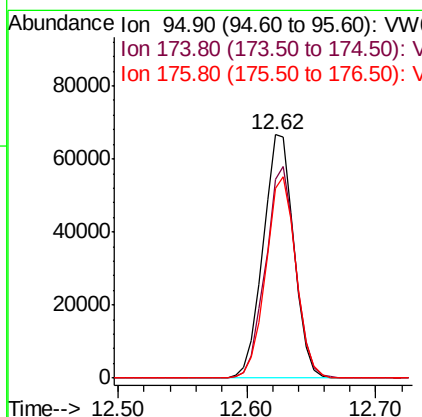
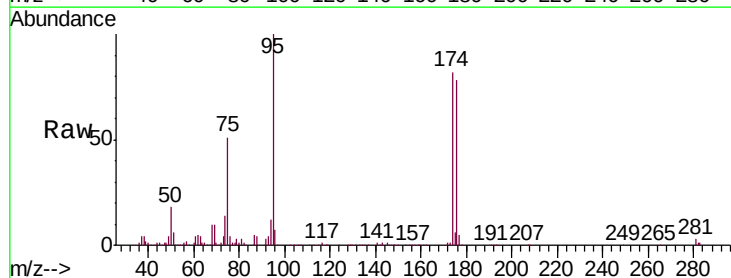
Instrument :
MSVOA_W
ClientSampleId :
T26-COMP

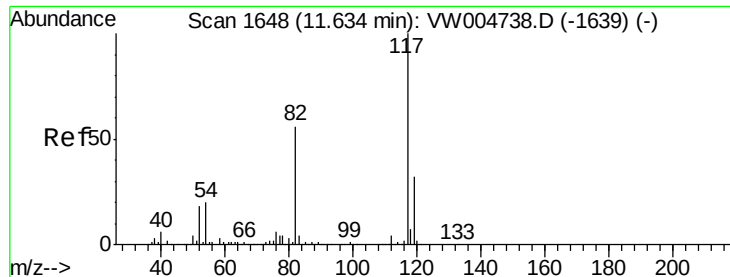
Tgt Ion: 69 Resp: 42
Ion Ratio Lower Upper
69 100
41 0.0 50.7 76.1#
39 0.0 21.4 32.2#



#62
4-Bromofluorobenzene
Concen: 34.159 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VW004869.D
Acq: 22 Aug 2018 05:20

Tgt Ion: 95 Resp: 110422
Ion Ratio Lower Upper
95 100
174 85.1 0.0 165.8
176 81.3 0.0 159.8

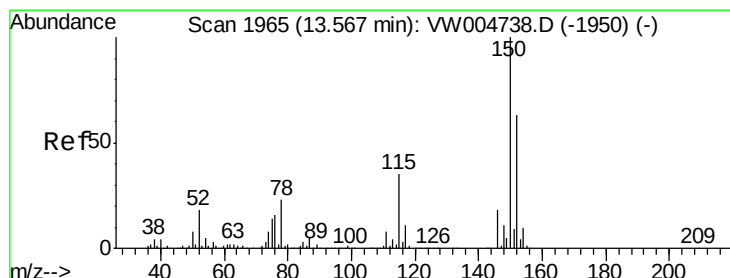
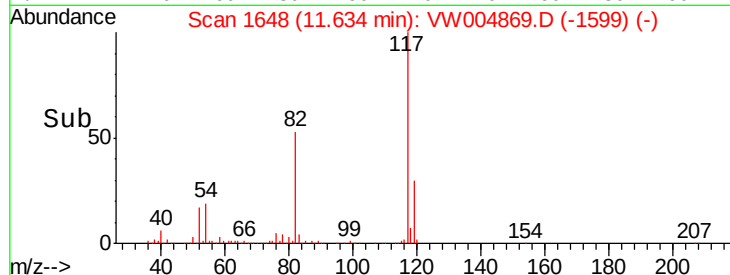
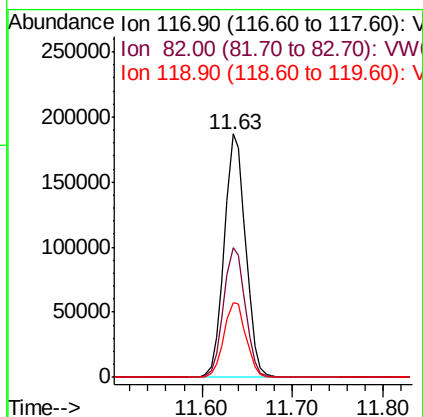
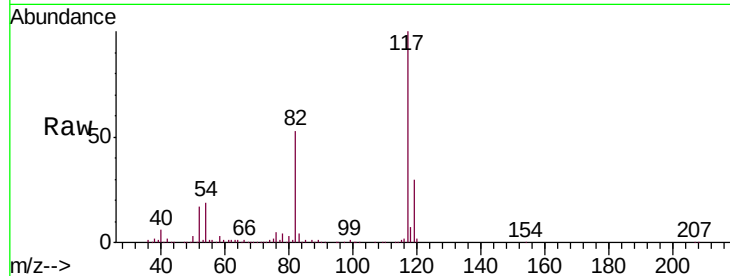




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW004869.D
Acq: 22 Aug 2018 05:20

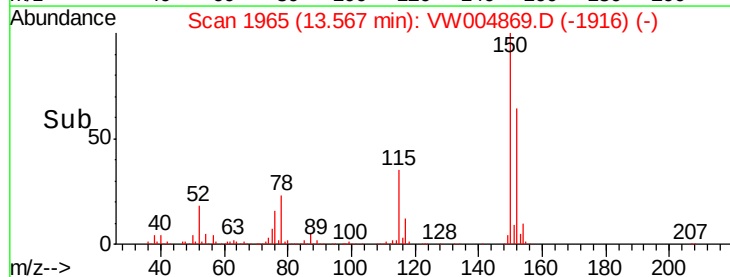
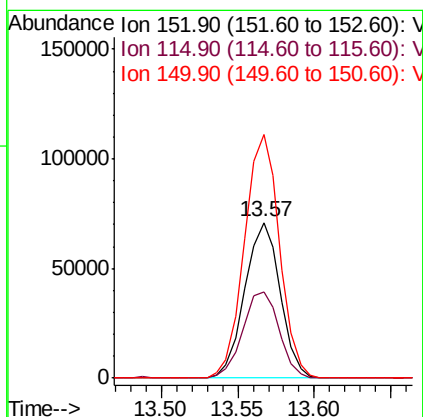
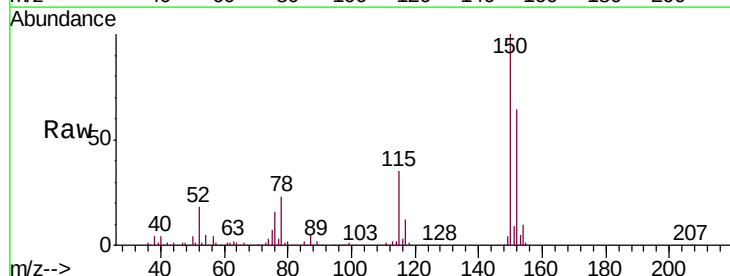
Instrument :
MSVOA_W
ClientSampled :
T26-COMP

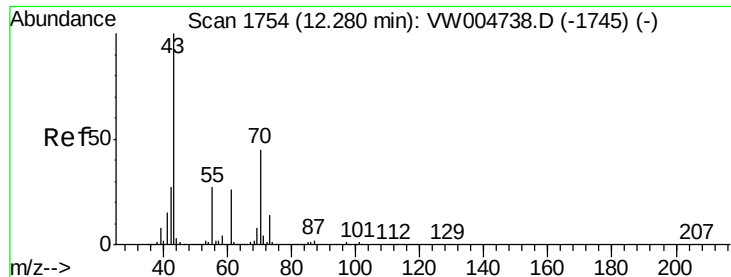
Tgt Ion:117 Resp: 306114
Ion Ratio Lower Upper
117 100
82 53.5 44.6 67.0
119 30.5 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW004869.D
Acq: 22 Aug 2018 05:20

Tgt Ion:152 Resp: 114551
Ion Ratio Lower Upper
152 100
115 56.9 28.5 85.5
150 155.1 0.0 344.8





#74

N-amyI acetate

Concen: 4.188 ug/l

RT: 12.24 min Scan# 1748

Delta R.T. -0.04 min

Lab File: VW004869.D

Acq: 22 Aug 2018 05:20

Instrument :

MSVOA_W

ClientSampled :

T26-COMP

Tgt Ion: 43 Resp: 336

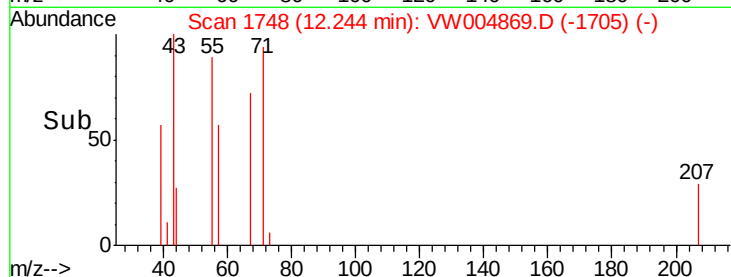
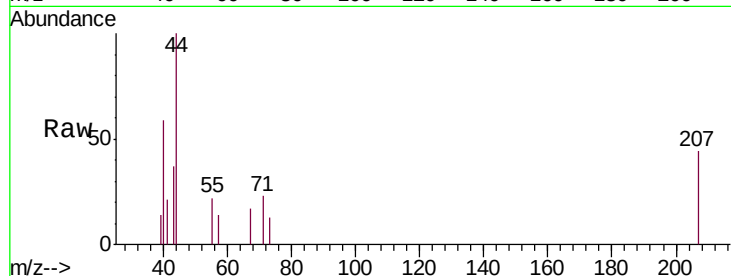
Ion Ratio Lower Upper

43 100

70 8.0 36.3 54.5#

55 0.0 22.6 33.8#

61 0.0 20.2 30.4#

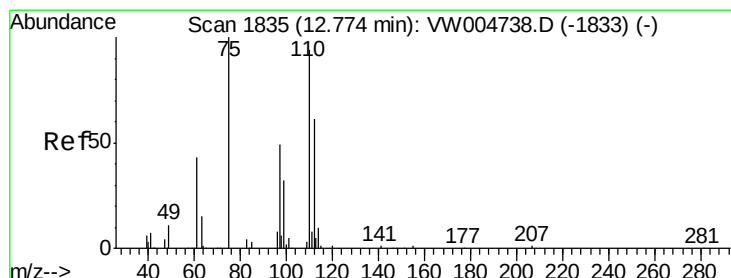
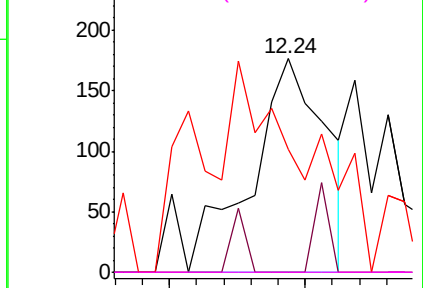


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#76

1,2,3-Trichloropropane

Concen: 52.563 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW004869.D

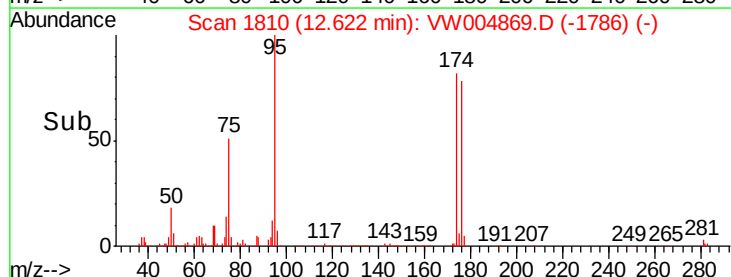
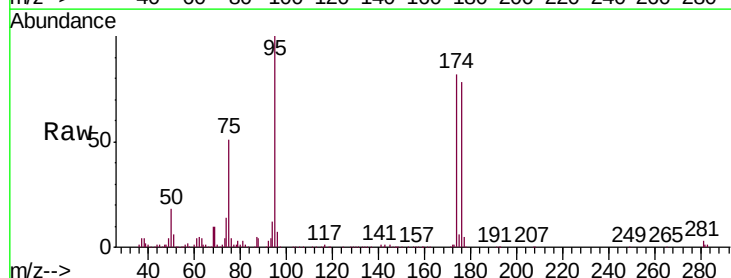
Acq: 22 Aug 2018 05:20

Tgt Ion: 75 Resp: 53078

Ion Ratio Lower Upper

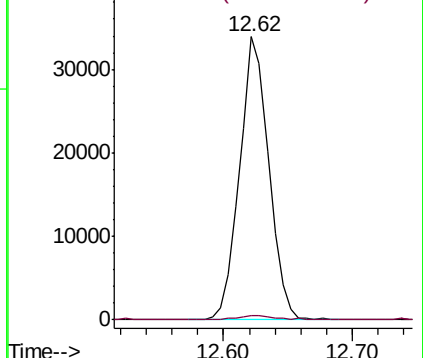
75 100

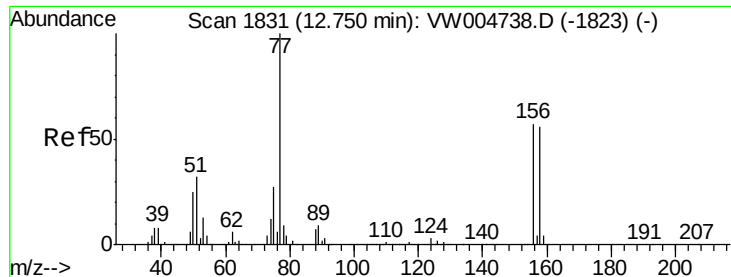
77 2.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 5.805 ug/l

RT: 12.93 min Scan# 1861

Delta R.T. 0.18 min

Lab File: VW004869.D

Acq: 22 Aug 2018 05:20

Instrument :

MSVOA_W

ClientSampleId :

T26-COMP

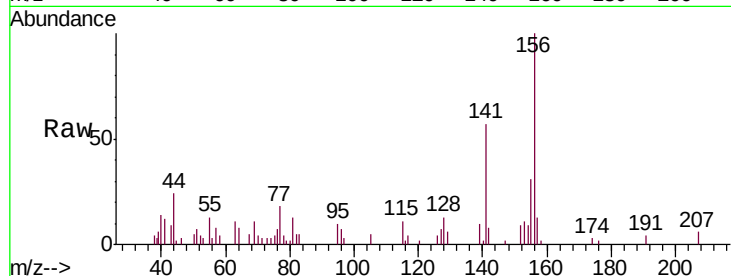
Tgt Ion:156 Resp: 10950

Ion Ratio Lower Upper

156 100

77 0.0 94.2 282.4#

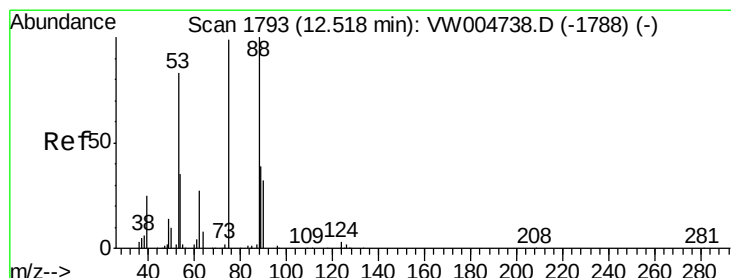
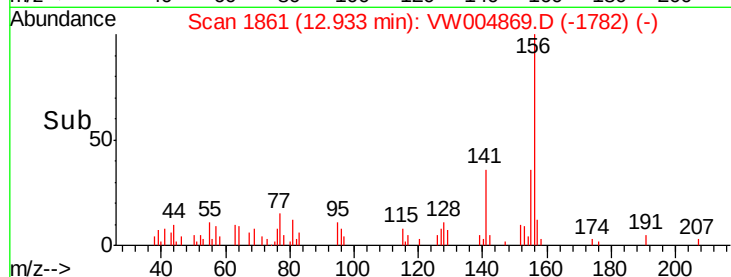
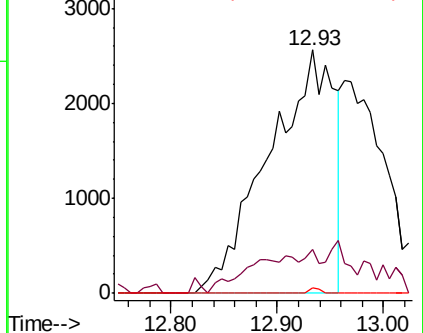
158 0.4 48.6 145.9#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 122.171 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW004869.D

Acq: 22 Aug 2018 05:20

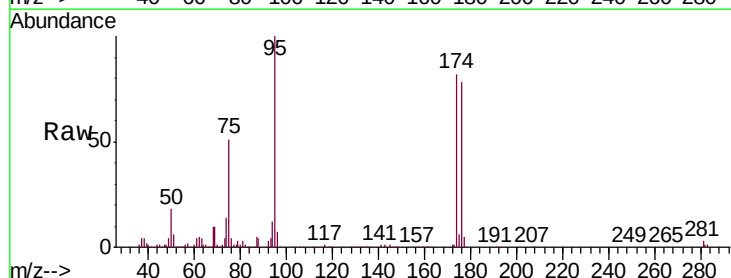
Tgt Ion: 75 Resp: 53078

Ion Ratio Lower Upper

75 100

53 0.4 72.2 108.4#

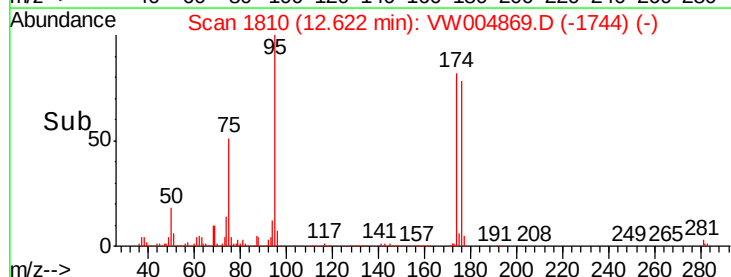
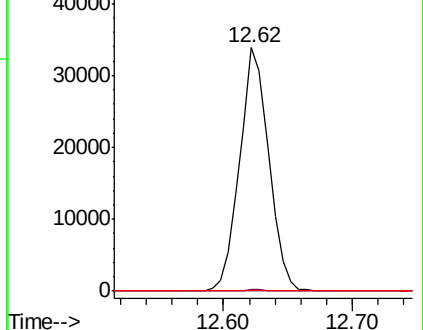
89 0.0 35.2 52.8#

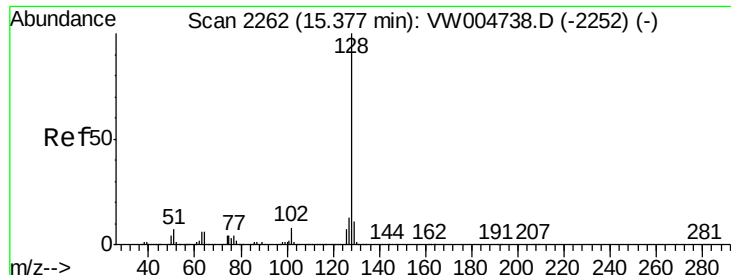


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#95
Naphthalene
Concen: 11.913 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VW004869.D
Acq: 22 Aug 2018 05:20

Instrument :
MSVOA_W
ClientSampleId :
T26-COMP

Tgt Ion:	128	Resp:	42693
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	11.1	8.6	13.0

