

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092618\
 Data File : VW005671.D
 Acq On : 26 Sep 2018 23:17
 Operator : VA/AP
 Sample : J5081-20
 Misc : 6.01G/5ML/MSVOA_W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-2-D

Quant Time: Sep 27 06:57:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 09:05:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	258195	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	431879	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	368471	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	381189	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	178152	58.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	117.14%	
35) Dibromofluoromethane	7.88	113	139864	51.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.00%	
50) Toluene-d8	10.34	98	8167050	738.52	ug/l	0.01
Spiked Amount 50.000			Recovery	=	1477.04%	
62) 4-Bromofluorobenzene	12.62	95	930188	227.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	454.64%	

Target Compounds

					Qvalue	
12) 1,1-Dichloroethene	4.04	96	5619	2.390 ug/l	#	79
13) Acrolein	3.88	56	353	Below Cal	#	27
16) Acetone	4.14	43	72416	147.573 ug/l		99
18) Methyl Acetate	4.67	43	9042	6.272 ug/l		100
20) Methylene Chloride	4.92	84	8199	Below Cal		97
25) 2-Butanone	7.19	43	11694	15.829 ug/l		98
29) Tetrahydrofuran	7.53	42	577	1.250 ug/l	#	29
31) Cyclohexane	7.96	56	106062	22.491 ug/l		95
36) 1,1-Dichloropropene	7.95	75	20488	4.713 ug/l	#	59
37) Ethyl Acetate	7.19	43	11694	6.392 ug/l	#	70
38) Carbon Tetrachloride	7.95	117	25754	5.528 ug/l	#	15
39) Methylcyclohexane	9.34	83	2870583	559.639 ug/l		90
43) Isopropyl Acetate	8.43	43	123874	34.437 ug/l	#	52
45) 1,2-Dichloropropane	9.34	63	36659	12.097 ug/l	#	1
46) Dibromomethane	9.62	93	6408	4.232 ug/l	#	1
47) Bromodichloromethane	9.62	83	147934	36.369 ug/l	#	61
48) Methyl methacrylate	9.34	41	1867546	1093.079 ug/l	#	83
51) 4-Methyl-2-Pentanone	10.27	43	642210	354.476 ug/l	#	76
52) Toluene	10.34	92	40417	5.259 ug/l	#	1
53) t-1,3-Dichloropropene	10.68	75	32222	7.902 ug/l	#	1
55) 1,1,2-Trichloroethane	10.77	97	18635279	8670.132 ug/l	#	23
56) Ethyl methacrylate	10.64	69	5382569	2028.639 ug/l	#	22
58) 2-Chloroethyl Vinyl ether	9.91	63	11148	9.269 ug/l	#	48
59) 2-Hexanone	10.95	43	21771522	17689.696 ug/l	#	33
60) Dibromochloromethane	11.07	129	59349	22.853 ug/l	#	20
61) 1,2-Dibromoethane	11.26	107	11486	5.732 ug/l	#	1
65) Chlorobenzene	11.57	112	70025	8.952 ug/l	#	47
67) Ethyl Benzene	11.73	91	83931	6.045 ug/l	#	49
73) Isopropylbenzene	12.48	105	3198001	120.979 ug/l		100
74) N-amyl acetate	12.27	43	9667084	1615.007 ug/l	#	44
75) 1,1,2,2-Tetrachloroethane	12.71	83	795565	181.188 ug/l	#	62
76) 1,2,3-Trichloropropane	12.81	75	26694	8.215 ug/l	#	100
78) n-propylbenzene	12.81	91	3379607	105.600 ug/l		98
79) 2-Chlorotoluene	12.95	91	153098	8.268 ug/l	#	35

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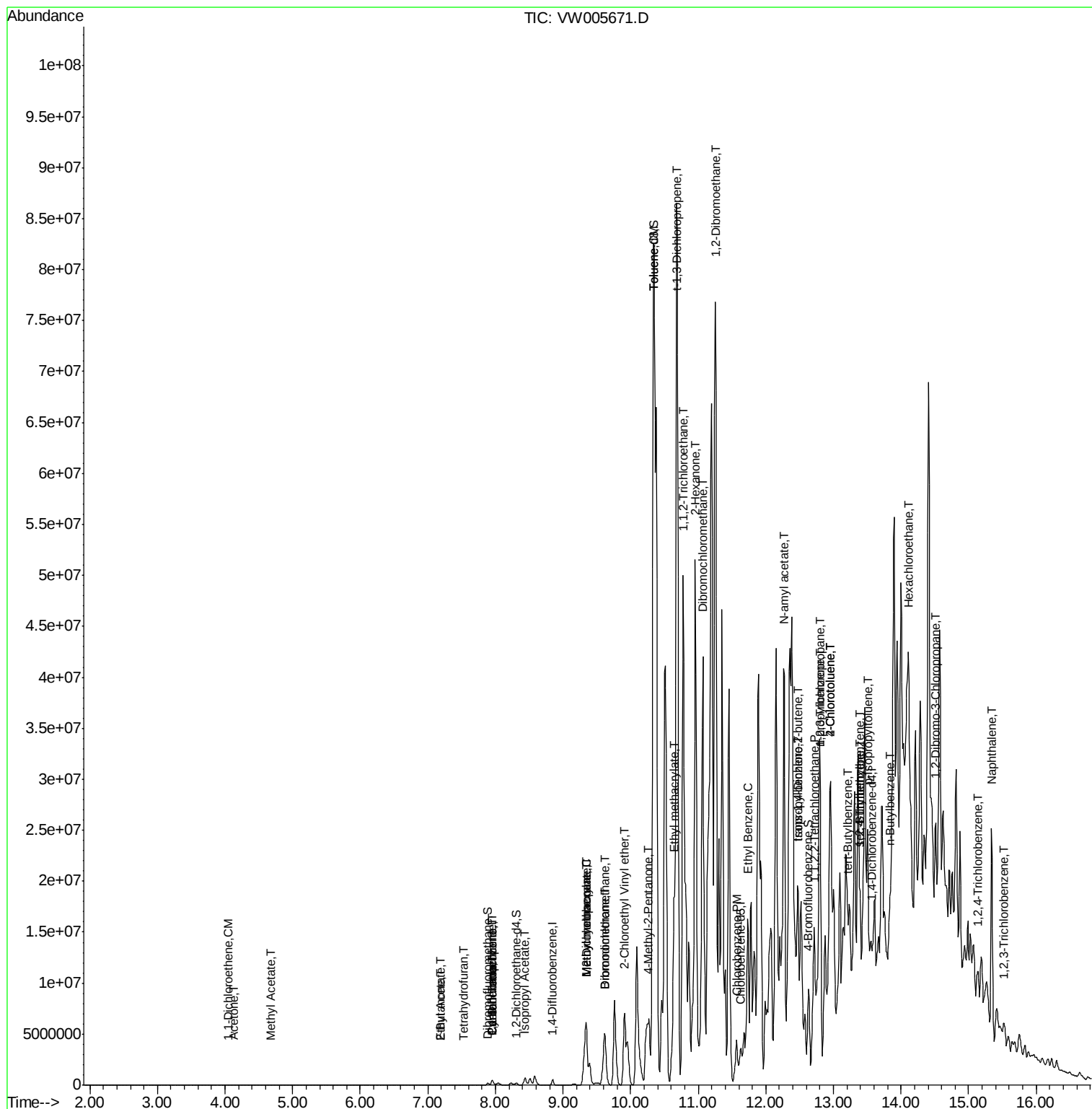
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
81) trans-1,4-Dichloro-2-buten	12.48	75	39637	27.474	ug/l #	1
82) 4-Chlorotoluene	12.95	91	146527	7.490	ug/l #	31
83) tert-Butylbenzene	13.22	119	246117	12.745	ug/l	79
84) 1,2,4-Trimethylbenzene	13.40	105	1013649	43.700	ug/l #	33
85) sec-Butylbenzene	13.40	105	1013649	36.193	ug/l #	67
86) p-Isopropyltoluene	13.51	119	41451	1.651	ug/l #	50
89) n-Butylbenzene	13.83	91	374905	15.833	ug/l	96
90) Hexachloroethane	14.12	117	483631	106.294	ug/l #	7
92) 1,2-Dibromo-3-Chloropropan	14.51	75	16250	19.425	ug/l #	4
93) 1,2,4-Trichlorobenzene	15.15	180	30185	3.784	ug/l #	1
95) Naphthalene	15.34	128	66132	4.928	ug/l #	1
96) 1,2,3-Trichlorobenzene	15.53	180	31690	4.507	ug/l #	1

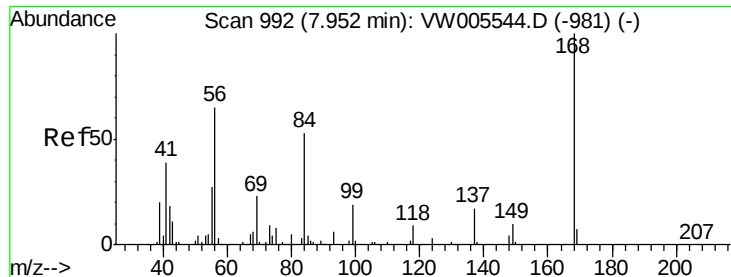
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW005671.D

Acq: 26 Sep 2018 23:17

Instrument :

MSVOA_W

ClientSampled :

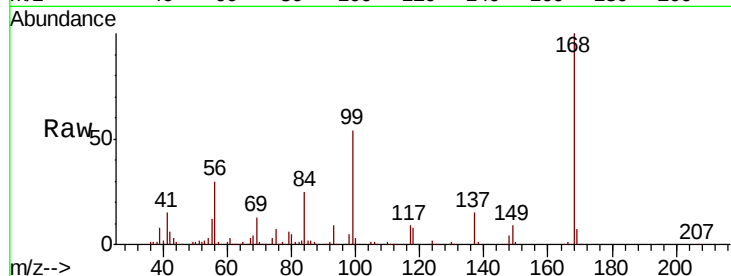
TP-2-D

Tgt Ion:168 Resp: 258195

Ion Ratio Lower Upper

168 100

99 54.0 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

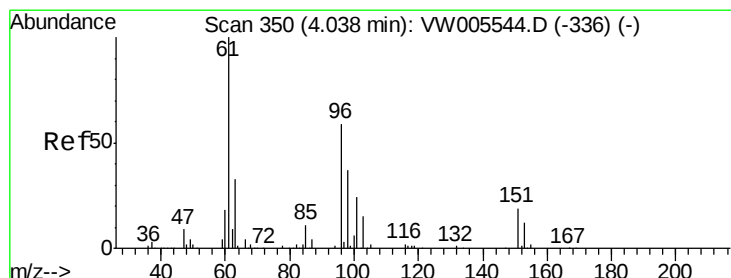
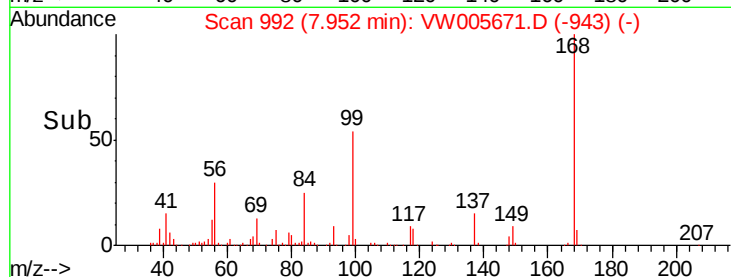
7.95

100000

50000

0

Time-->



#12

1,1-Dichloroethene

Concen: 2.390 ug/l

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

Lab File: VW005671.D

Acq: 26 Sep 2018 23:17

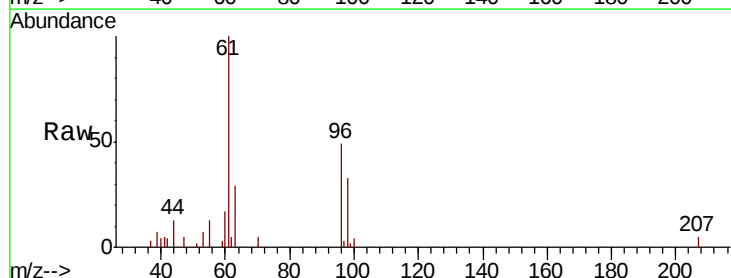
Tgt Ion: 96 Resp: 5619

Ion Ratio Lower Upper

96 100

61 204.5 135.0 202.6#

98 67.9 50.6 76.0



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW

4000

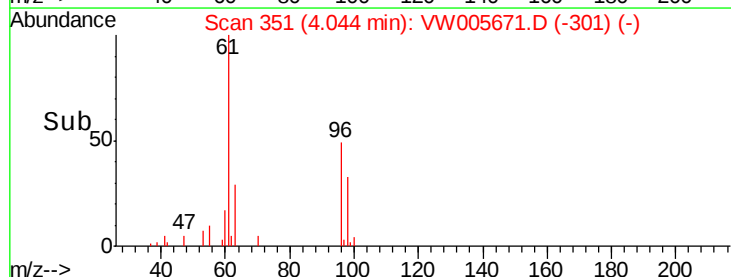
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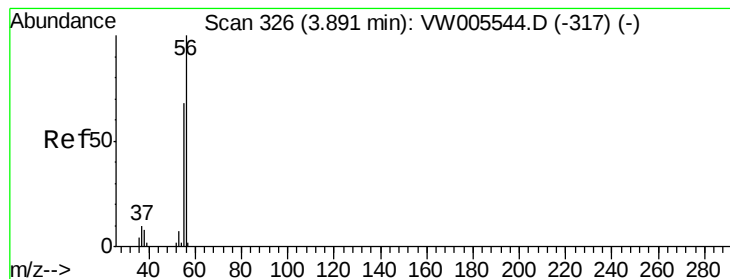
2000

1000

0

Time-->





#13

Acrolein

Concen: Below Cal

RT: 3.88 min Scan# 324

Delta R.T. -0.01 min

Lab File: VW005671.D

Acq: 26 Sep 2018 23:17

Instrument :

MSVOA_W

ClientSampleId :

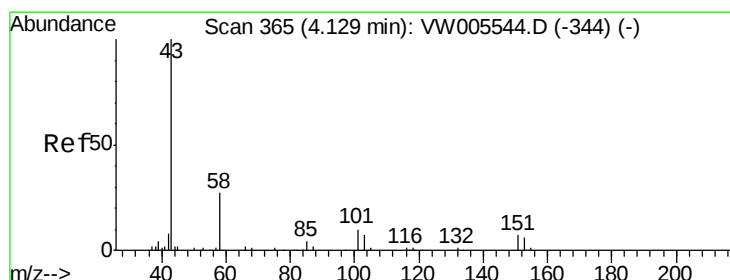
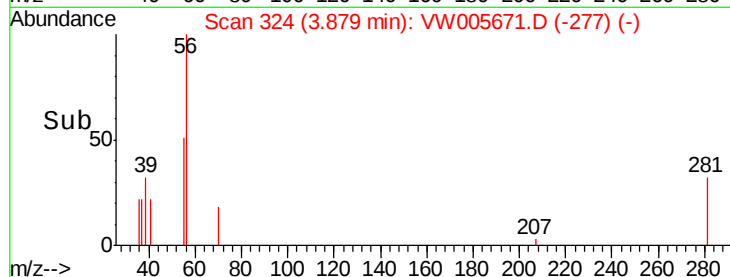
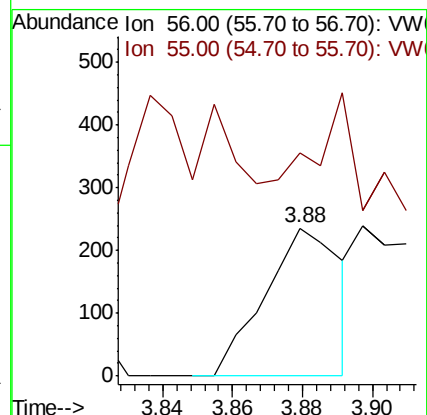
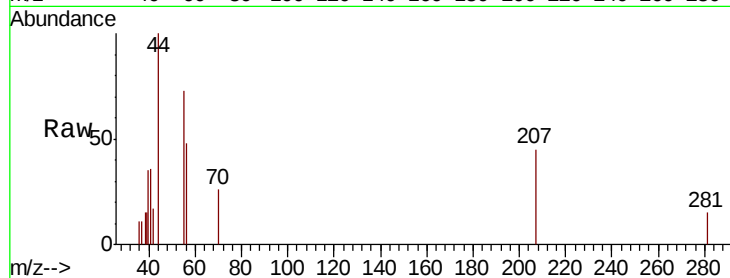
TP-2-D

Tgt Ion: 56 Resp: 353

Ion Ratio Lower Upper

56 100

55 133.1 57.8 86.8#



#16

Acetone

Concen: 147.573 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW005671.D

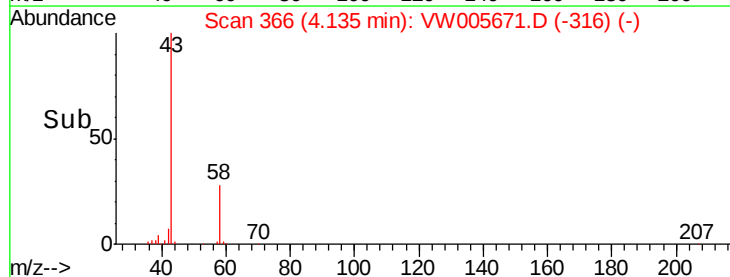
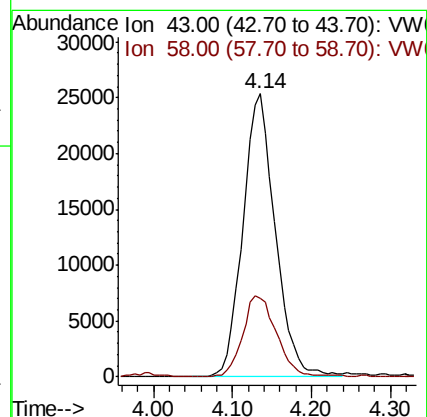
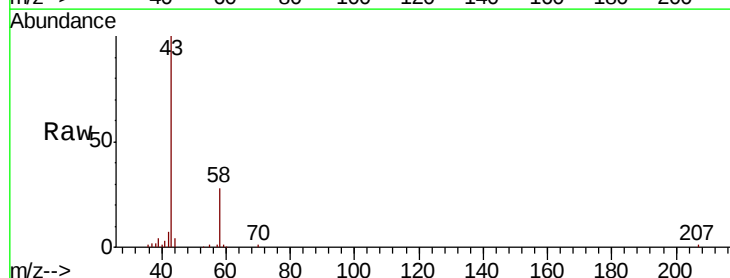
Acq: 26 Sep 2018 23:17

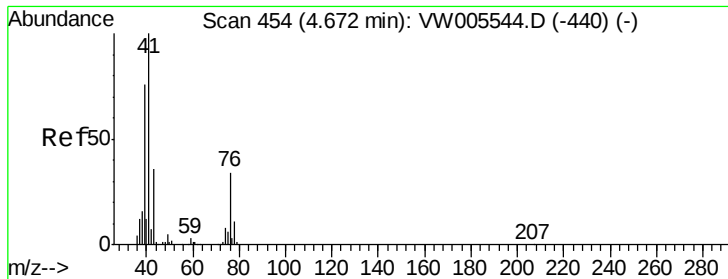
Tgt Ion: 43 Resp: 72416

Ion Ratio Lower Upper

43 100

58 28.0 21.8 32.8

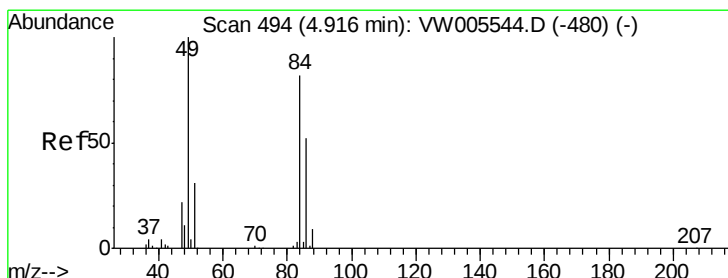
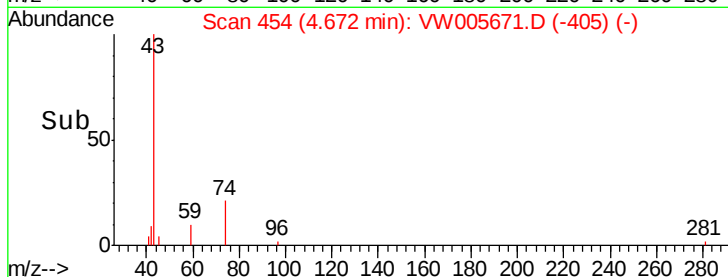
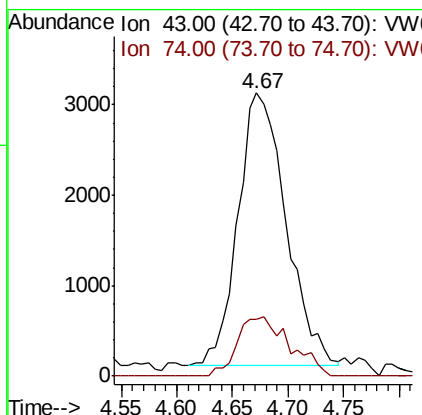
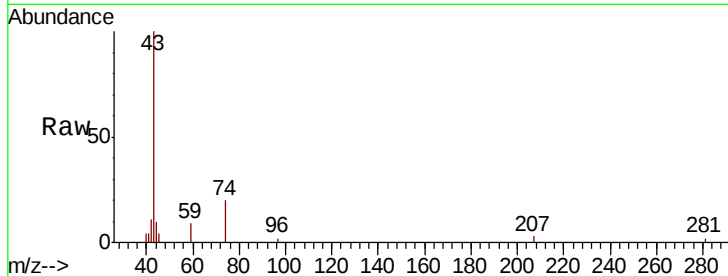




#18
Methyl Acetate
Concen: 6.272 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW005671.D
Acq: 26 Sep 2018 23:17

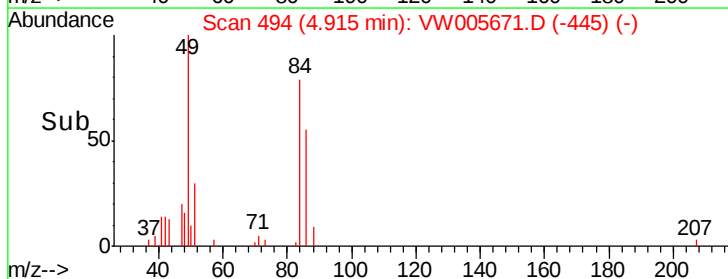
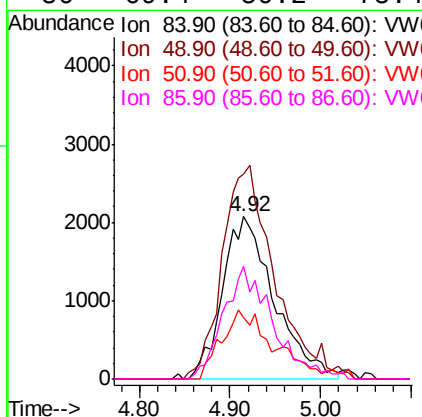
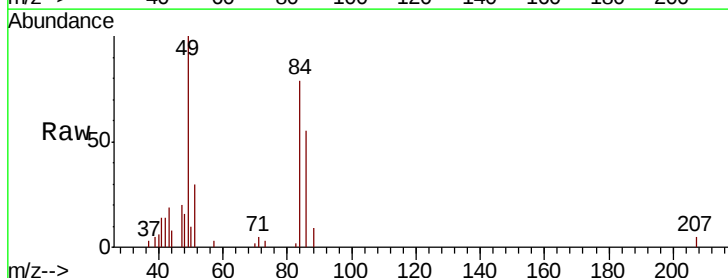
Instrument :
MSVOA_W
ClientSampled :
TP-2-D

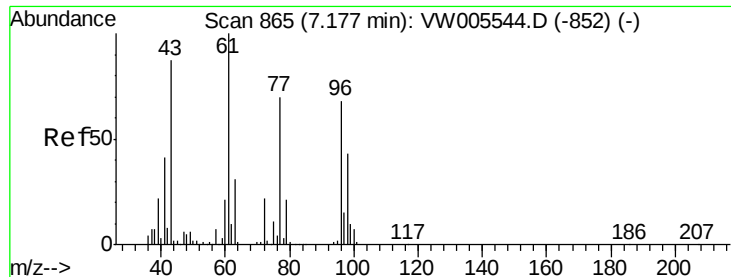
Tgt Ion: 43 Resp: 9042
Ion Ratio Lower Upper
43 100
74 23.8 19.2 28.8



#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW005671.D
Acq: 26 Sep 2018 23:17

Tgt Ion: 84 Resp: 8199
Ion Ratio Lower Upper
84 100
49 122.5 97.0 145.6
51 37.8 30.2 45.2
86 69.4 50.2 75.4





#25

2-Butanone

Concen: 15.829 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.01 min

Lab File: VW005671.D

Acq: 26 Sep 2018 23:17

Instrument :

MSVOA_W

ClientSampled :

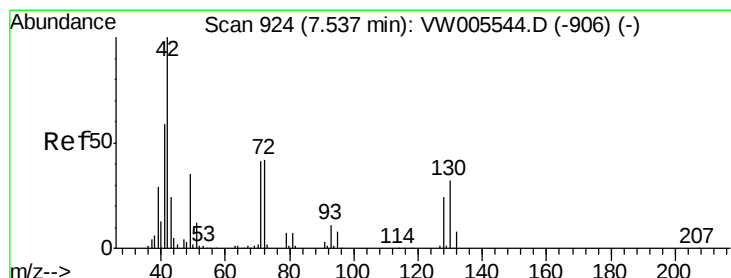
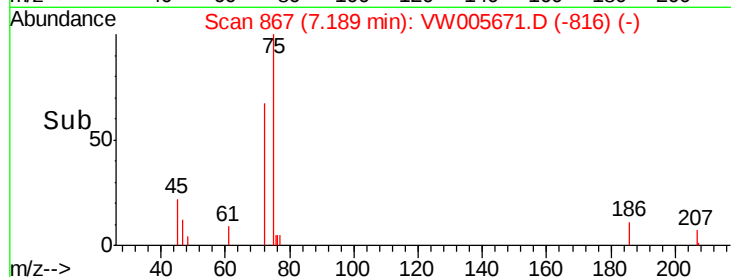
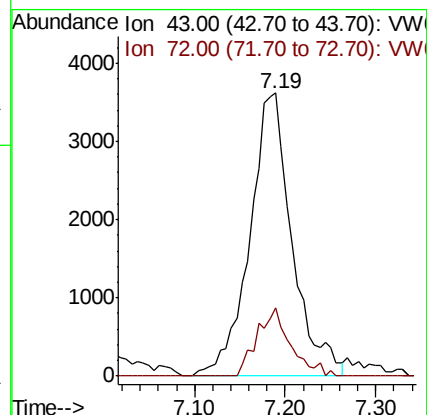
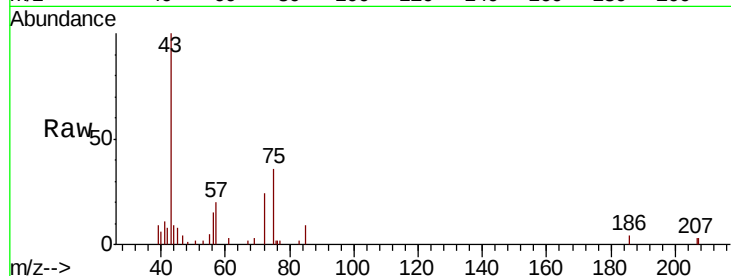
TP-2-D

Tgt Ion: 43 Resp: 11694

Ion Ratio Lower Upper

43 100

72 23.9 19.9 29.9



#29

Tetrahydrofuran

Concen: 1.250 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.01 min

Lab File: VW005671.D

Acq: 26 Sep 2018 23:17

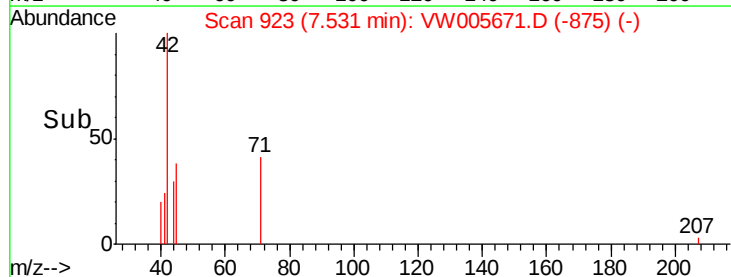
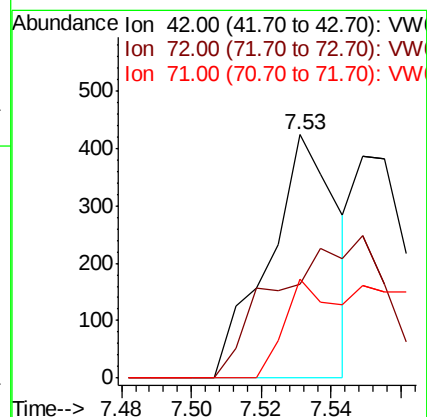
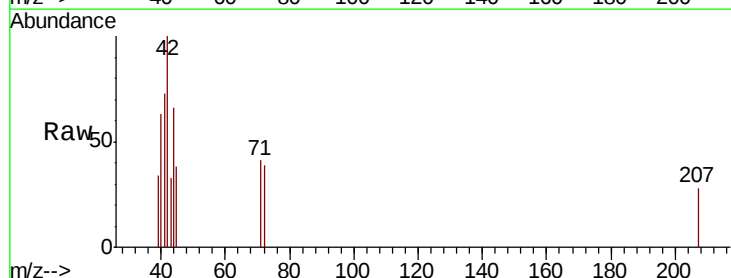
Tgt Ion: 42 Resp: 577

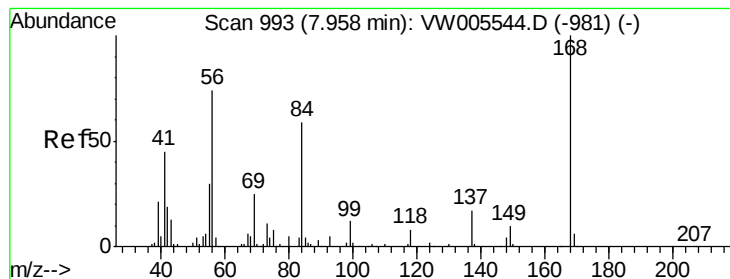
Ion Ratio Lower Upper

42 100

72 90.8 33.6 50.4#

71 0.0 31.8 47.6#





#31

Cyclohexane

Concen: 22.491 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW005671.D

Acq: 26 Sep 2018 23:17

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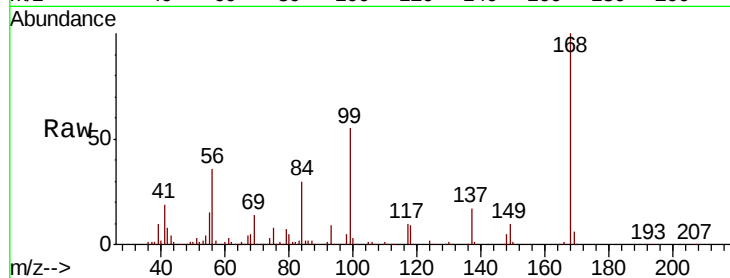
Tgt Ion: 56 Resp: 106062

Ion Ratio Lower Upper

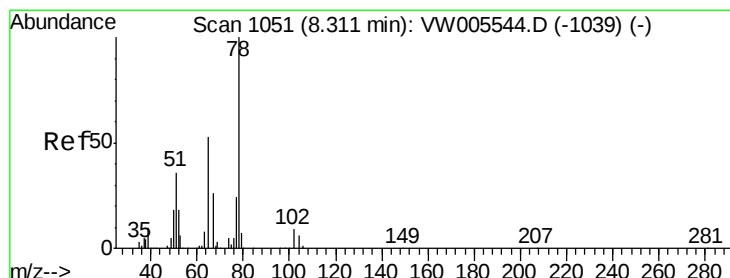
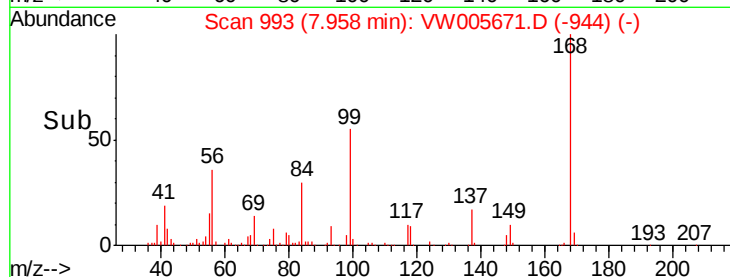
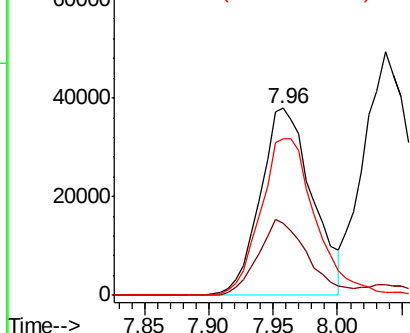
56 100

69 38.2 27.0 40.4

84 83.5 64.2 96.4



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: 58.569 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW005671.D

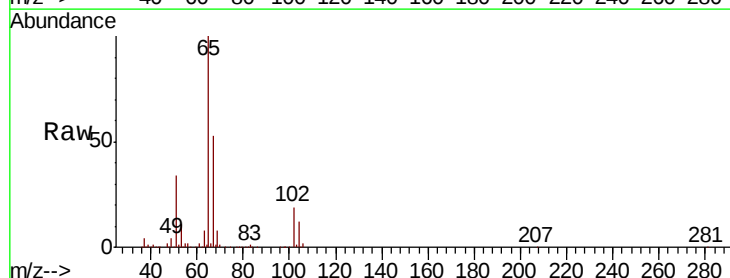
Acq: 26 Sep 2018 23:17

Tgt Ion: 65 Resp: 178152

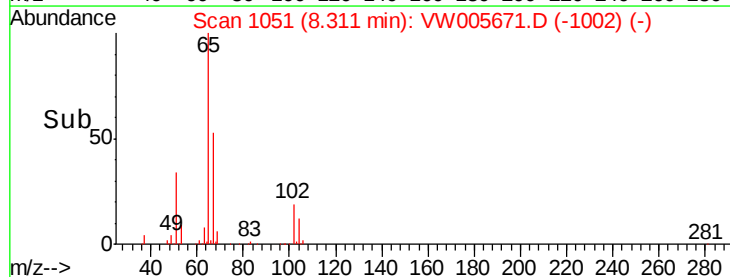
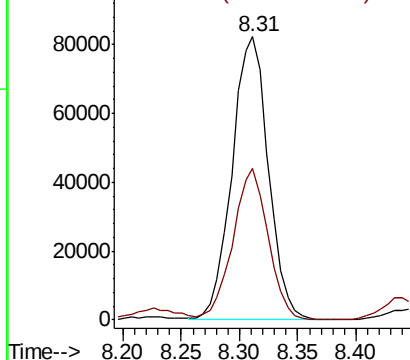
Ion Ratio Lower Upper

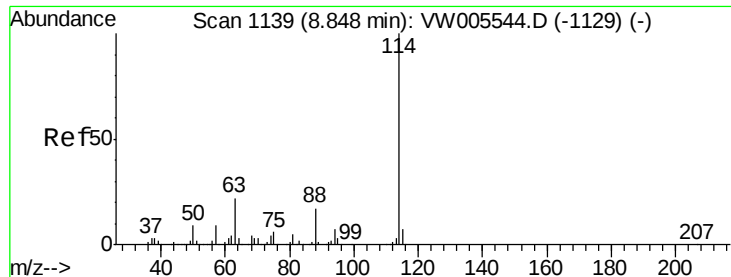
65 100

67 51.7 0.0 100.6



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

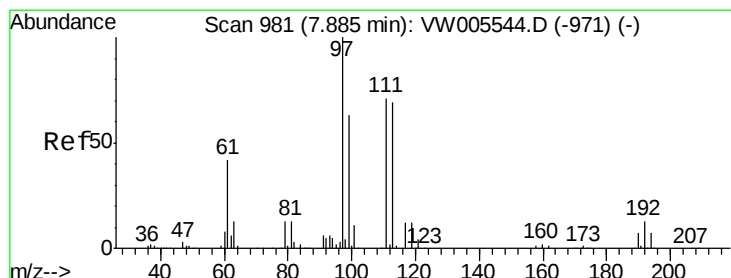
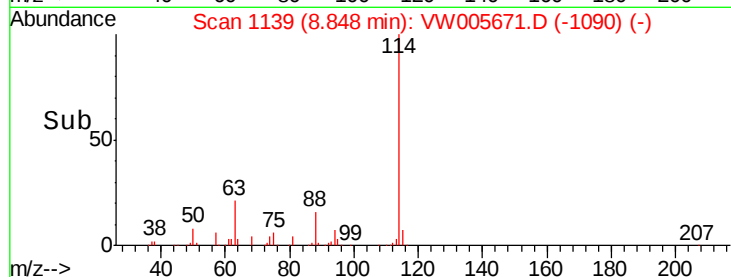
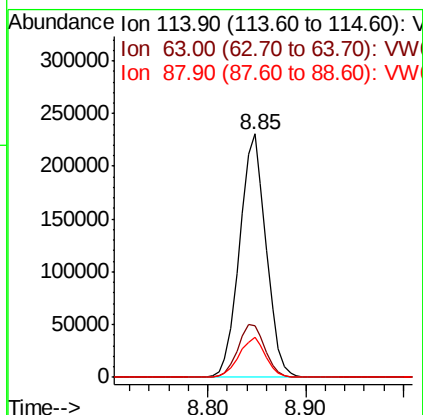
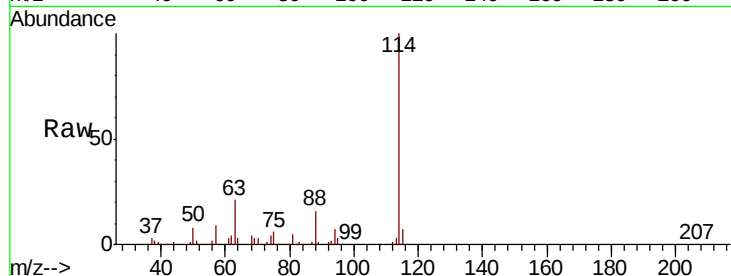




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005671.D
 Acq: 26 Sep 2018 23:17

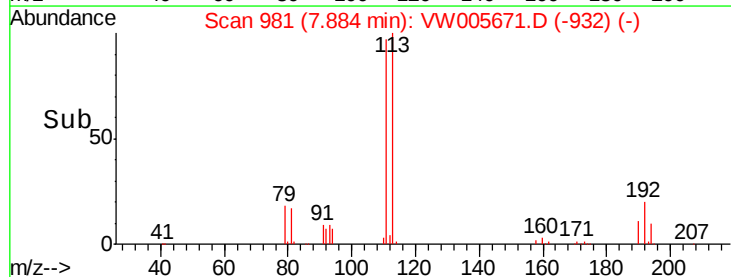
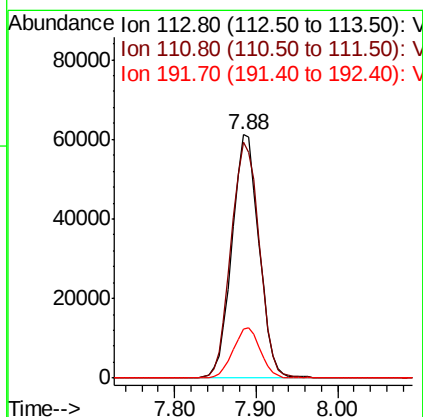
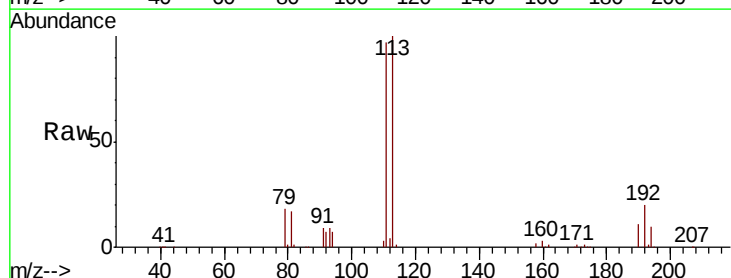
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-2-D

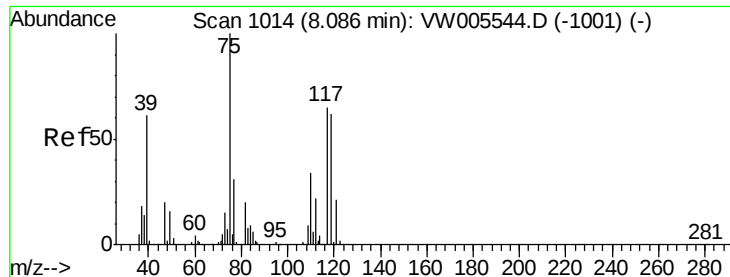
Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	43.0
88	16.2	0.0	33.0



#35
 Dibromofluoromethane
 Concen: 51.498 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW005671.D
 Acq: 26 Sep 2018 23:17

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.5	82.6	123.8
192	20.8	17.0	25.4

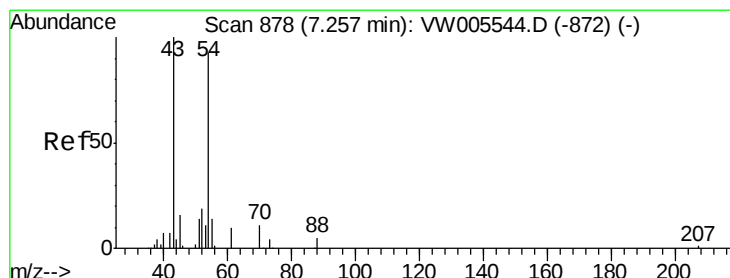
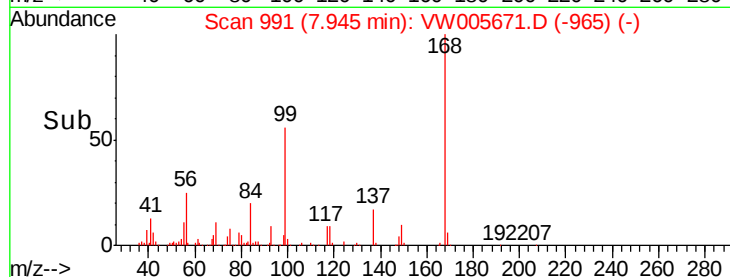
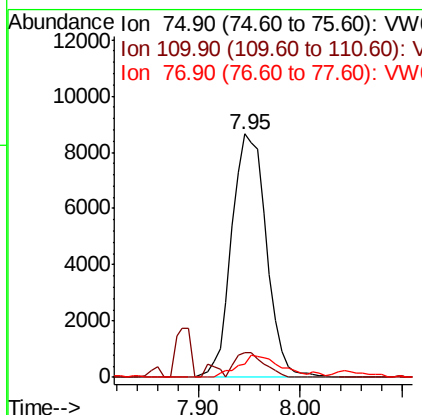
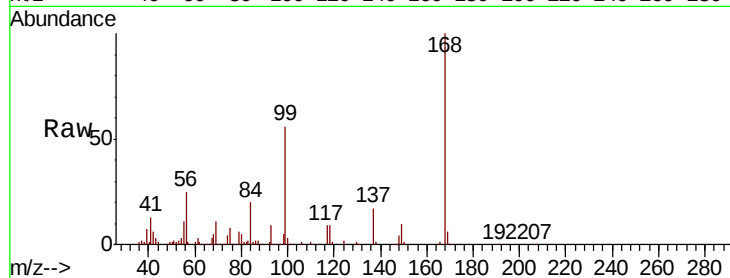




#36
 1,1-Dichloropropene
 Concen: 4.713 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW005671.D
 Acq: 26 Sep 2018 23:17

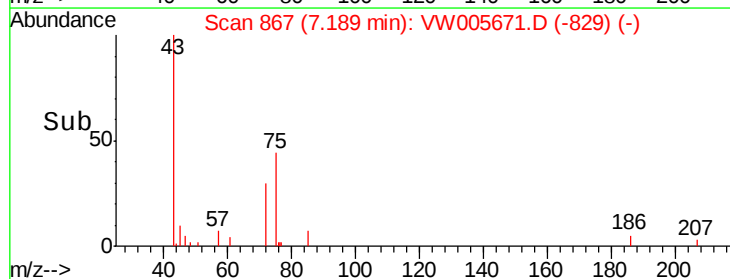
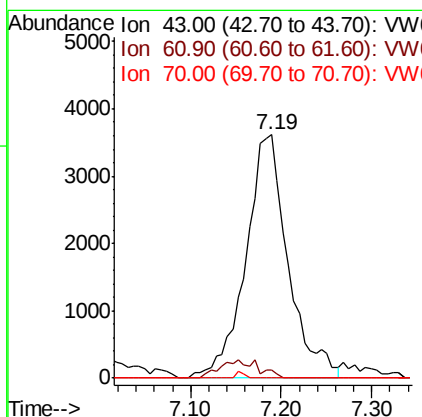
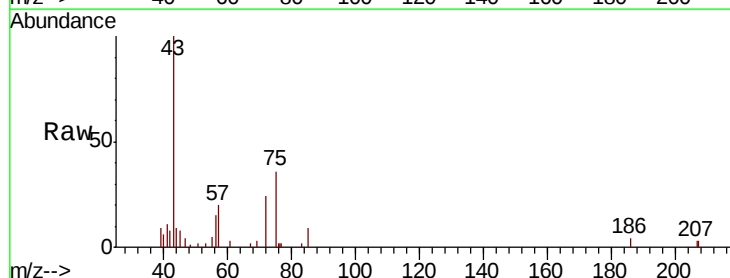
Instrument :
 MSVOA_W
 ClientSampled :
 TP-2-D

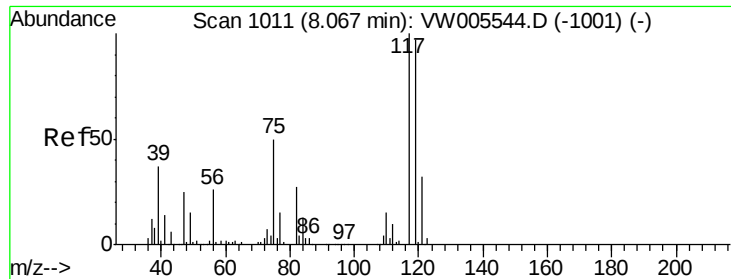
Tgt Ion: 75 Resp: 20488
 Ion Ratio Lower Upper
 75 100
 110 8.5 17.0 50.9#
 77 10.8 24.8 37.2#



#37
 Ethyl Acetate
 Concen: 6.392 ug/l
 RT: 7.19 min Scan# 867
 Delta R.T. -0.07 min
 Lab File: VW005671.D
 Acq: 26 Sep 2018 23:17

Tgt Ion: 43 Resp: 11694
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.4 15.6#
 70 0.0 8.2 12.2#

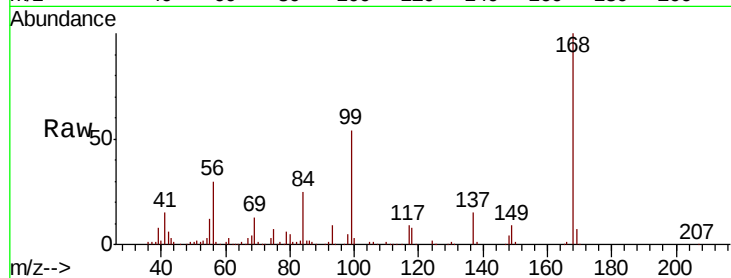




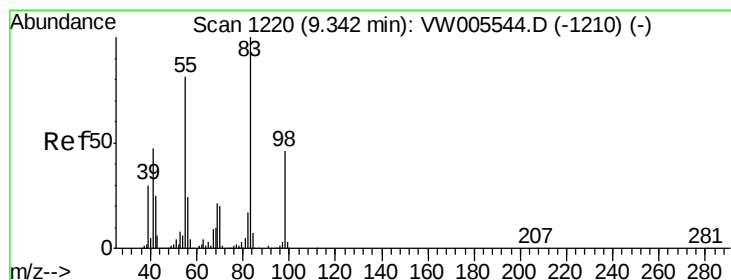
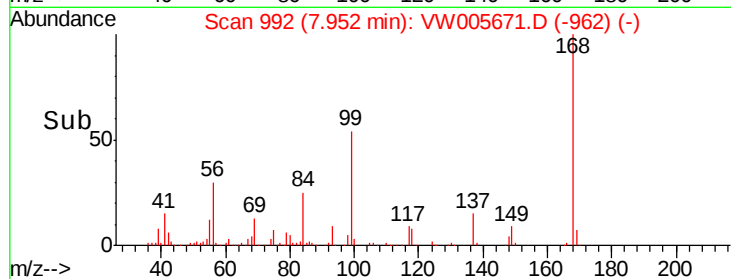
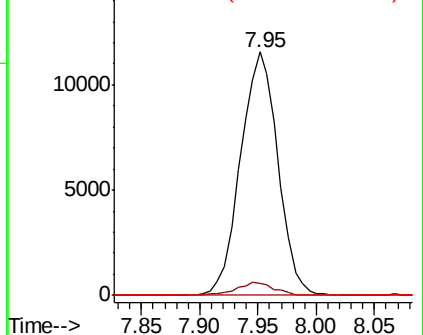
#38
Carbon Tetrachloride
Concen: 5.528 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW005671.D
Acq: 26 Sep 2018 23:17

Instrument :
MSVOA_W
ClientSampleId :
TP-2-D

Tgt Ion:117 Resp: 25754
Ion Ratio Lower Upper
117 100
119 4.8 77.6 116.4#
121 0.0 25.7 38.5#

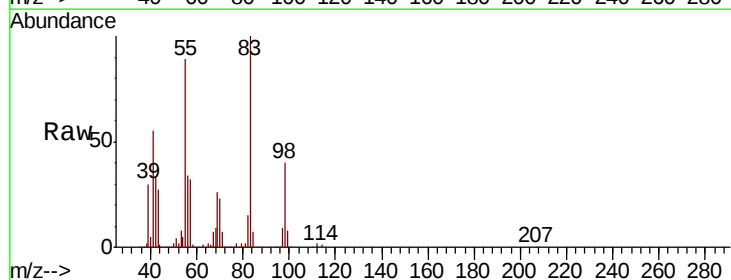


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

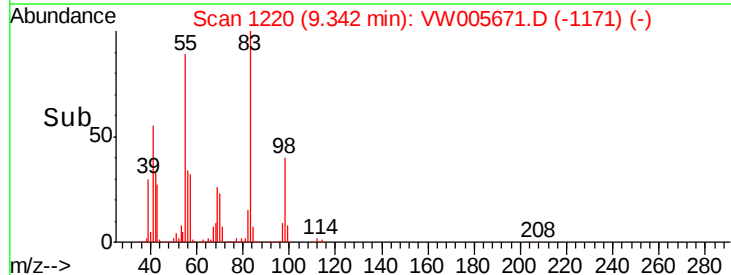
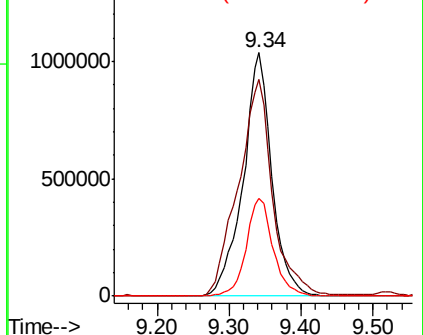


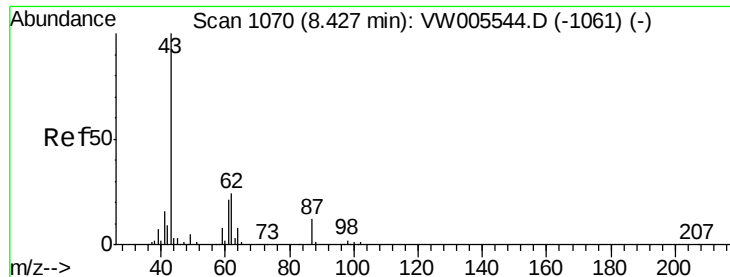
#39
Methylcyclohexane
Concen: 559.639 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. -0.00 min
Lab File: VW005671.D
Acq: 26 Sep 2018 23:17

Tgt Ion: 83 Resp: 2870583
Ion Ratio Lower Upper
83 100
55 89.3 64.6 97.0
98 40.0 37.0 55.6



Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW





#43

Isopropyl Acetate

Concen: 34.437 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW005671.D

Acq: 26 Sep 2018 23:17

Instrument :

MSVOA_W

ClientSampleId :

TP-2-D

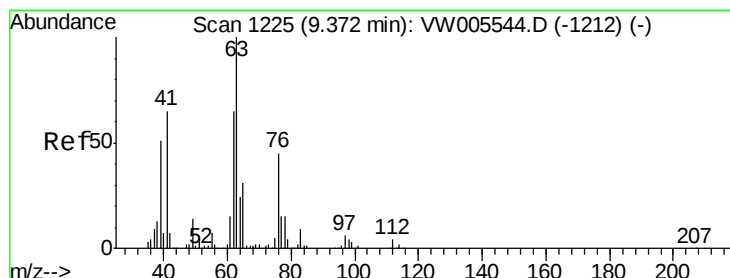
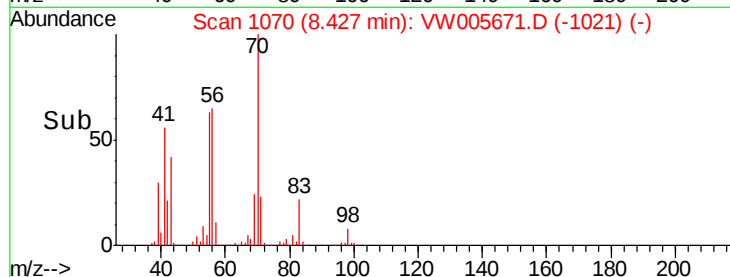
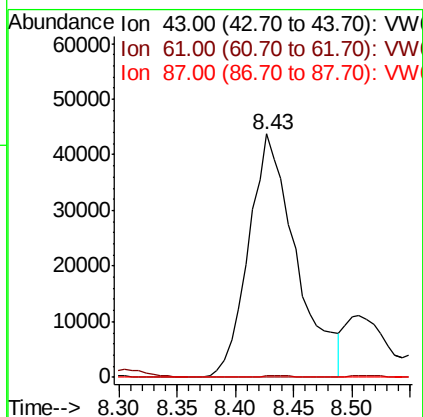
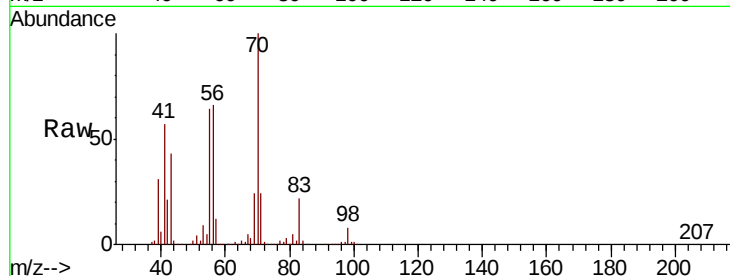
Tgt Ion: 43 Resp: 123874

Ion Ratio Lower Upper

43 100

61 0.5 24.1 36.1#

87 0.0 9.8 14.8#



#45

1,2-Dichloropropane

Concen: 12.097 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. -0.04 min

Lab File: VW005671.D

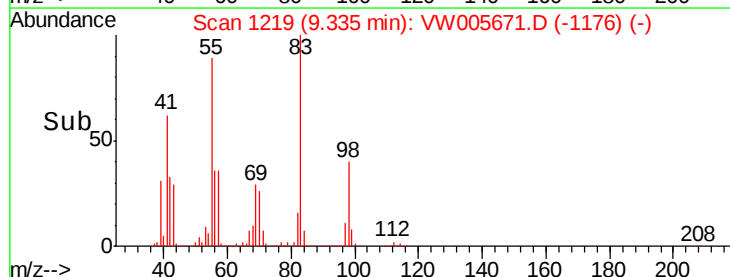
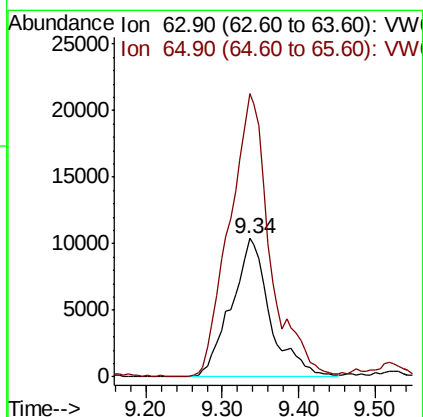
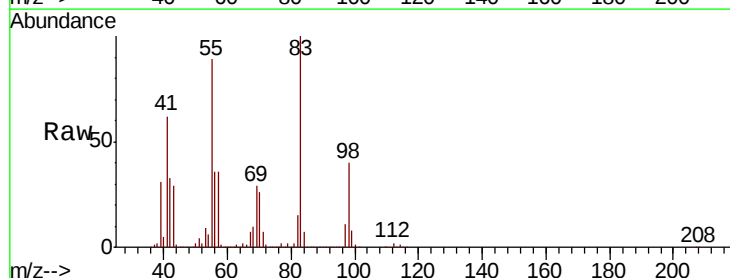
Acq: 26 Sep 2018 23:17

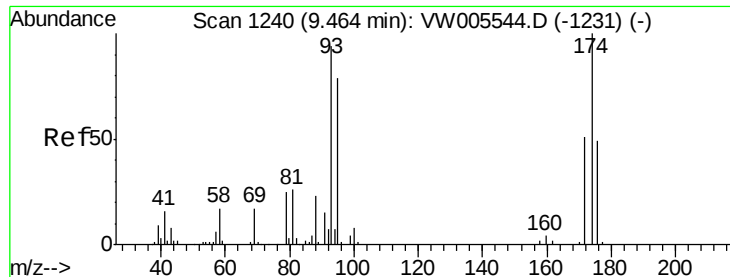
Tgt Ion: 63 Resp: 36659

Ion Ratio Lower Upper

63 100

65 204.0 24.7 37.1#





#46

Dibromomethane

Concen: 4.232 ug/l

RT: 9.62 min Scan# 1265

Delta R.T. 0.15 min

Lab File: VW005671.D

Acq: 26 Sep 2018 23:17

Instrument :

MSVOA_W

ClientSampleId :

TP-2-D

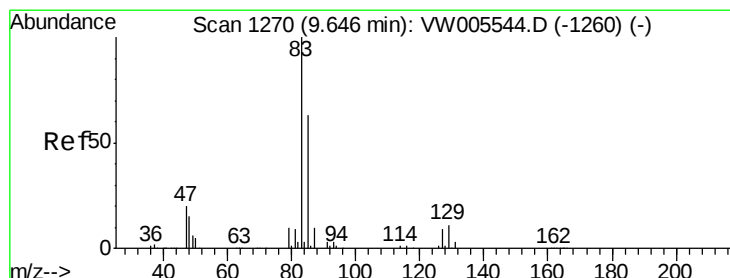
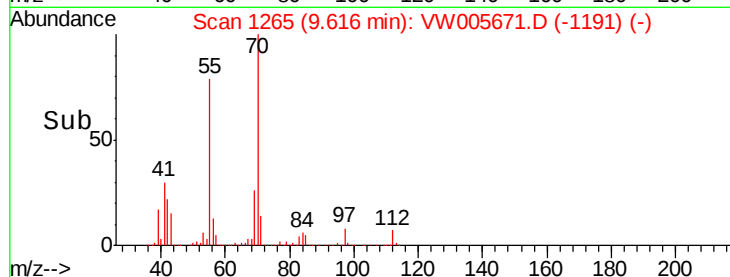
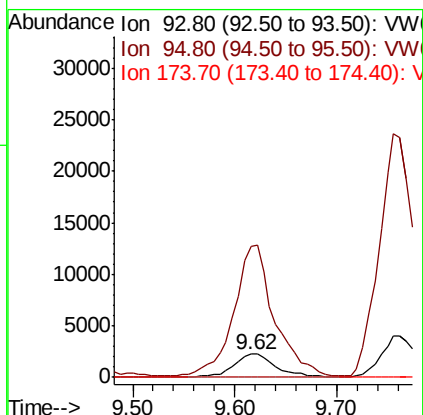
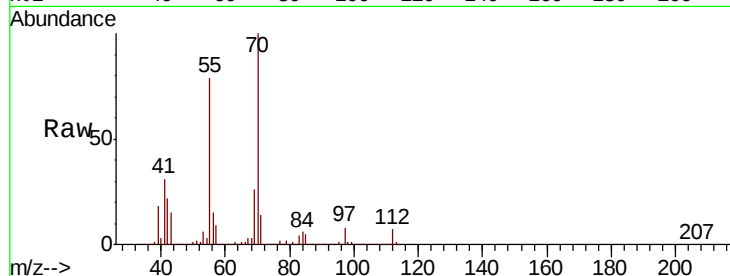
Tgt Ion: 93 Resp: 6408

Ion Ratio Lower Upper

93 100

95 546.6 65.8 98.8#

174 0.0 84.0 126.0#



#47

Bromodichloromethane

Concen: 36.369 ug/l

RT: 9.62 min Scan# 1266

Delta R.T. -0.02 min

Lab File: VW005671.D

Acq: 26 Sep 2018 23:17

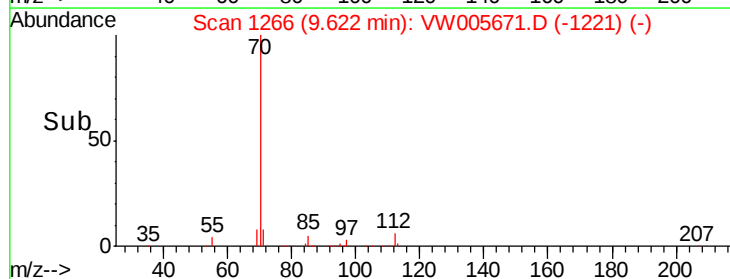
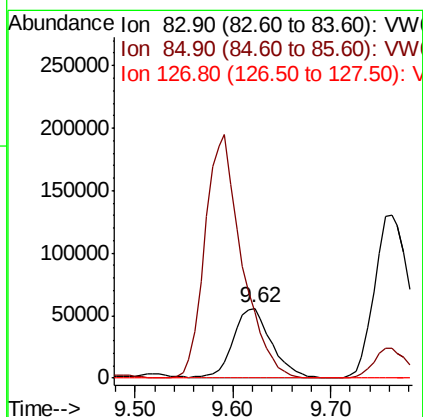
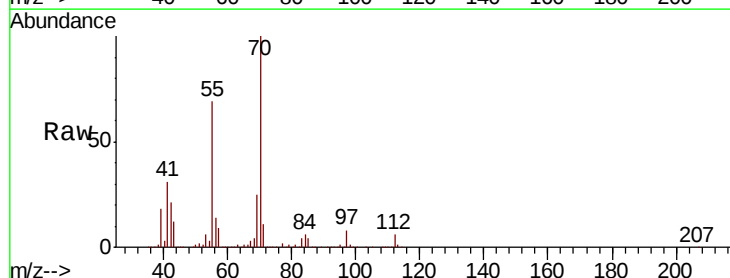
Tgt Ion: 83 Resp: 147934

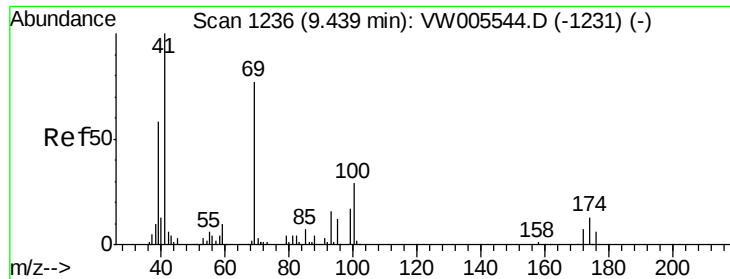
Ion Ratio Lower Upper

83 100

85 95.0 50.5 75.7#

127 0.0 7.0 10.6#

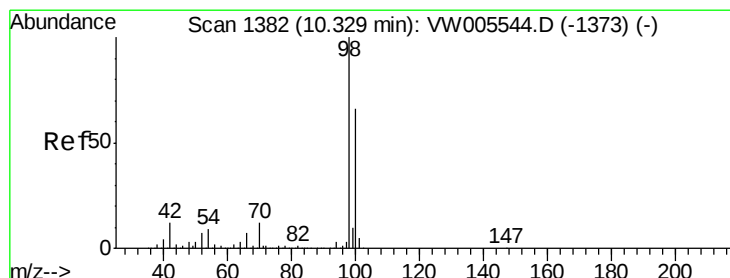
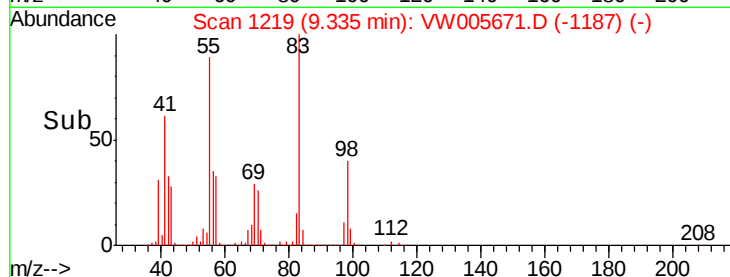
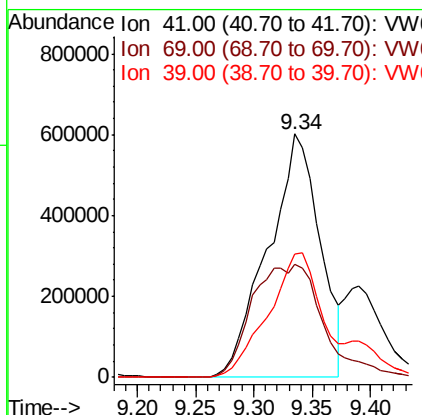
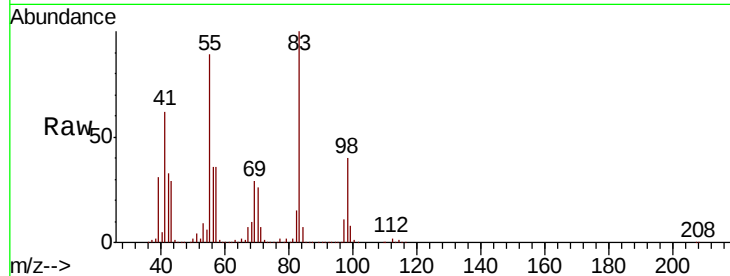




#48
Methyl methacrylate
Concen: 1093.079 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.10 min
Lab File: VW005671.D
Acq: 26 Sep 2018 23:17

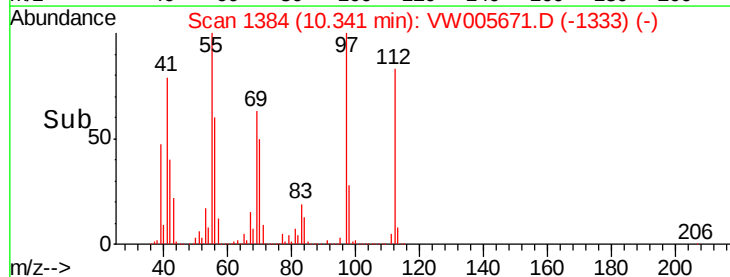
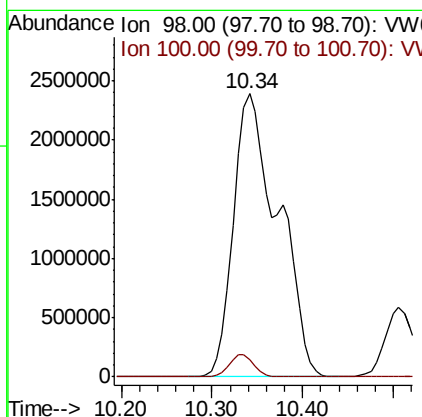
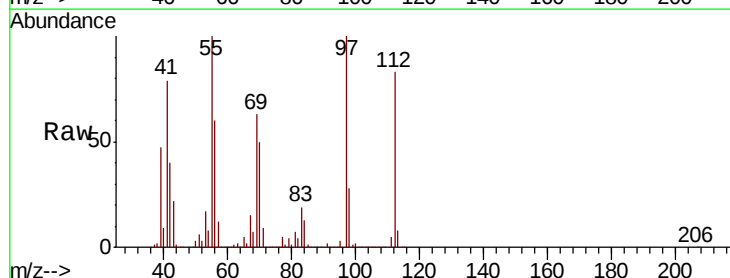
Instrument :
MSVOA_W
ClientSampled :
TP-2-D

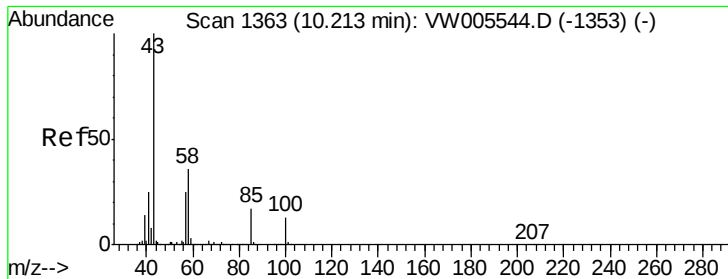
Tgt Ion: 41 Resp: 1867546
Ion Ratio Lower Upper
41 100
69 63.6 64.7 97.1#
39 52.4 50.5 75.7



#50
Toluene-d8
Concen: 738.521 ug/l
RT: 10.34 min Scan# 1384
Delta R.T. 0.01 min
Lab File: VW005671.D
Acq: 26 Sep 2018 23:17

Tgt Ion: 98 Resp: 8167050
Ion Ratio Lower Upper
98 100
100 4.4 51.6 77.4#

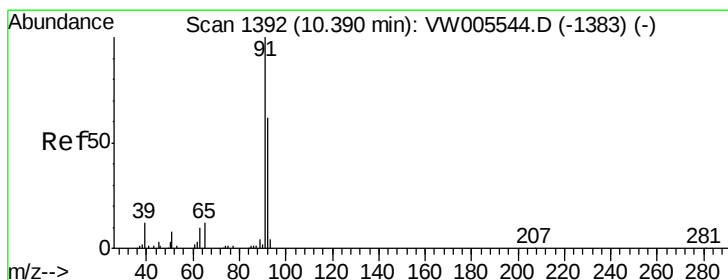
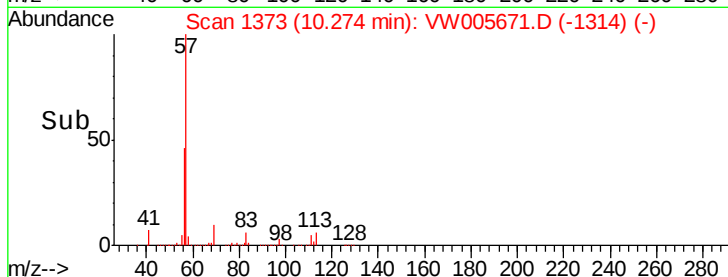
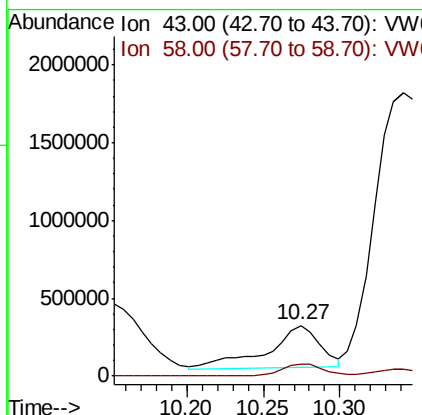
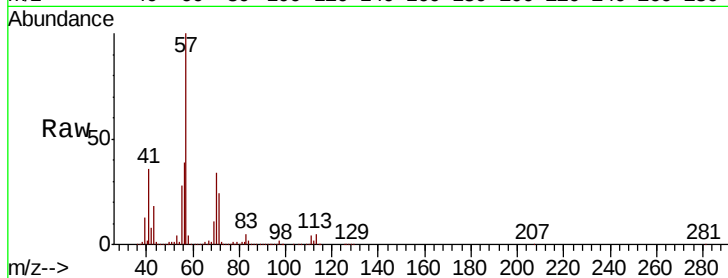




#51
 4-Methyl-2-Pentanone
 Concen: 354.476 ug/l
 RT: 10.27 min Scan# 1373
 Delta R.T. 0.06 min
 Lab File: VW005671.D
 Acq: 26 Sep 2018 23:17

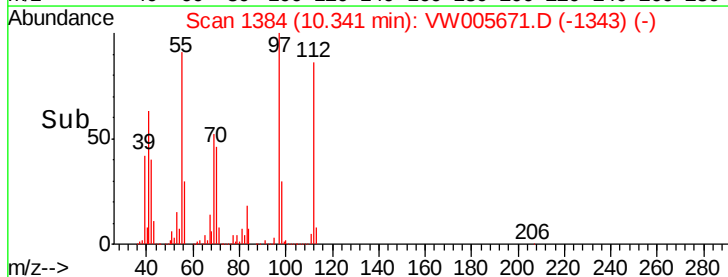
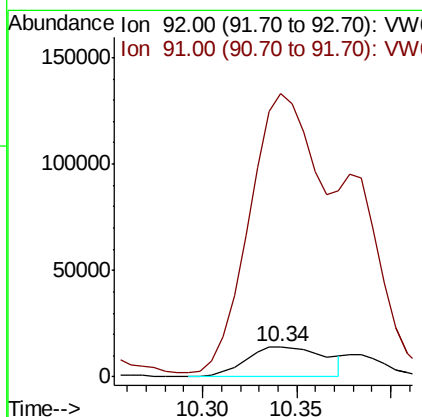
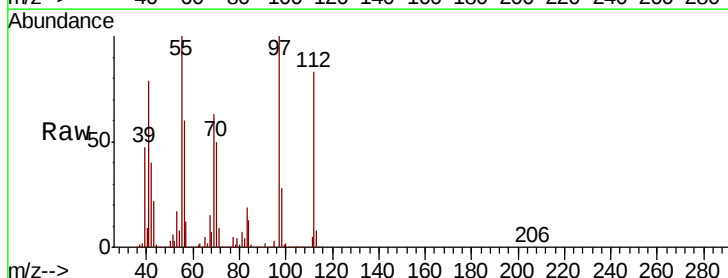
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-2-D

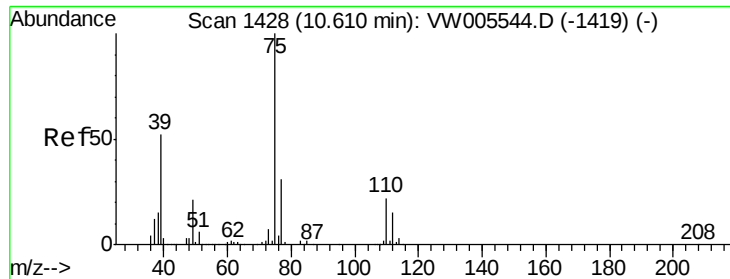
Tgt Ion: 43 Resp: 642210
 Ion Ratio Lower Upper
 43 100
 58 23.1 30.0 45.0#



#52
 Toluene
 Concen: 5.259 ug/l
 RT: 10.34 min Scan# 1384
 Delta R.T. -0.05 min
 Lab File: VW005671.D
 Acq: 26 Sep 2018 23:17

Tgt Ion: 92 Resp: 40417
 Ion Ratio Lower Upper
 92 100
 91 808.9 137.1 205.7#





#53

t-1,3-Dichloropropene

Concen: 7.902 ug/l

RT: 10.68 min Scan# 1440

Delta R.T. 0.07 min

Lab File: VW005671.D

Acq: 26 Sep 2018 23:17

Instrument :

MSVOA_W

ClientSampleId :

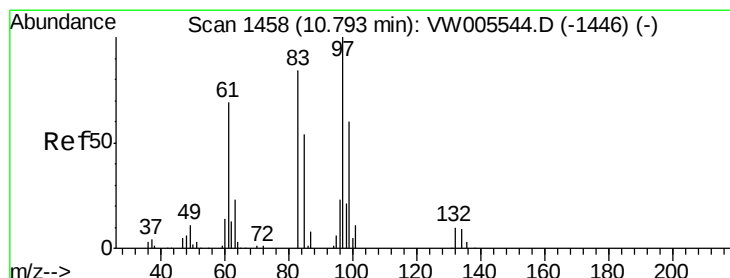
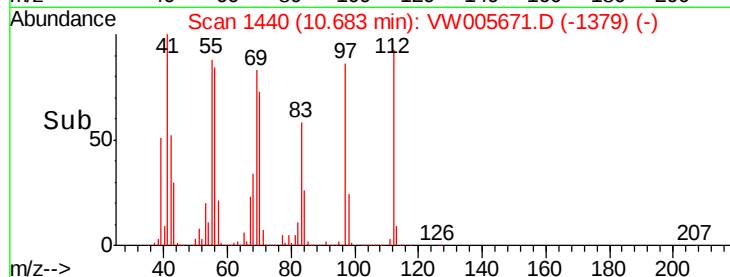
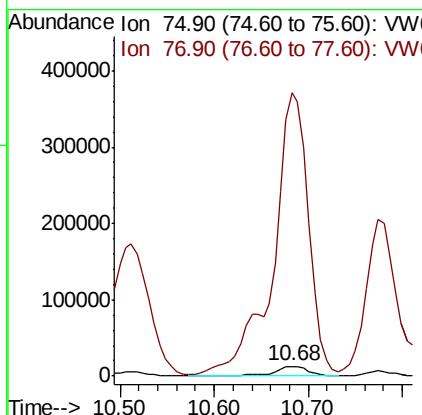
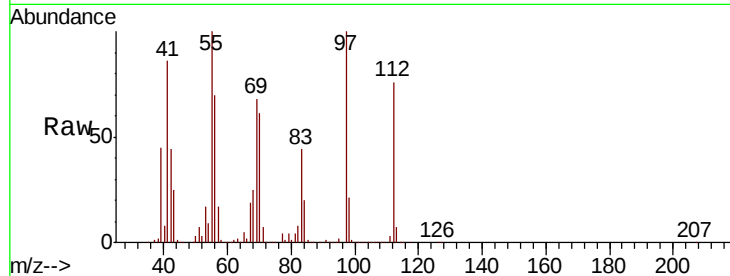
TP-2-D

Tgt Ion: 75 Resp: 32222

Ion Ratio Lower Upper

75 100

77 2862.5 24.6 37.0#



#55

1,1,2-Trichloroethane

Concen: 8670.132 ug/l

RT: 10.77 min Scan# 1455

Delta R.T. -0.02 min

Lab File: VW005671.D

Acq: 26 Sep 2018 23:17

Tgt Ion: 97 Resp: 18635279

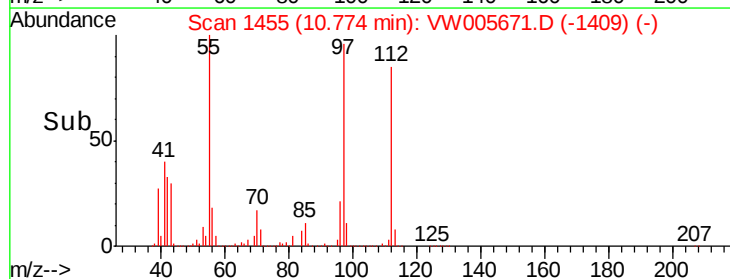
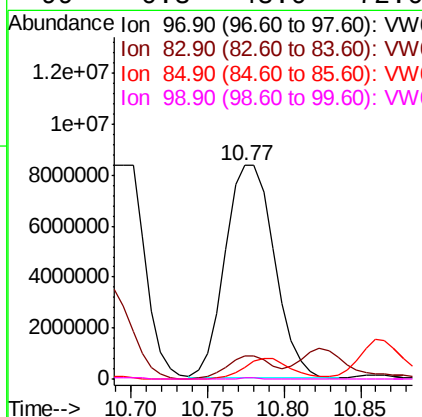
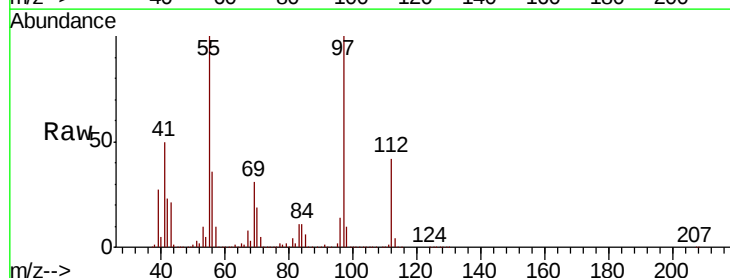
Ion Ratio Lower Upper

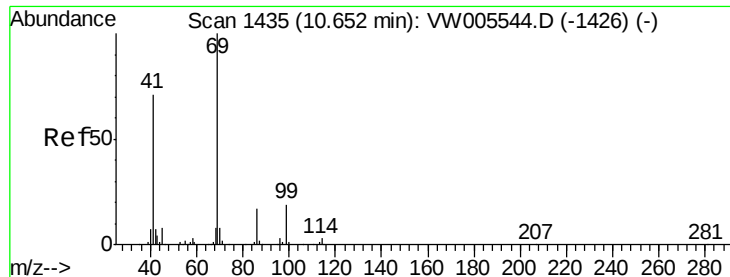
97 100

83 10.9 67.4 101.2#

85 5.7 43.3 64.9#

99 0.3 48.0 72.0#





#56

Ethyl methacrylate

Concen: 2028.639 ug/l

RT: 10.64 min Scan# 1433

Delta R.T. -0.01 min

Lab File: VW005671.D

Acq: 26 Sep 2018 23:17

Instrument :

MSVOA_W

ClientSampled :

TP-2-D

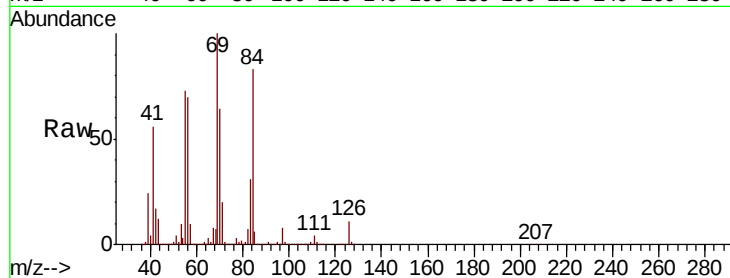
Tgt Ion: 69 Resp: 5382569

Ion Ratio Lower Upper

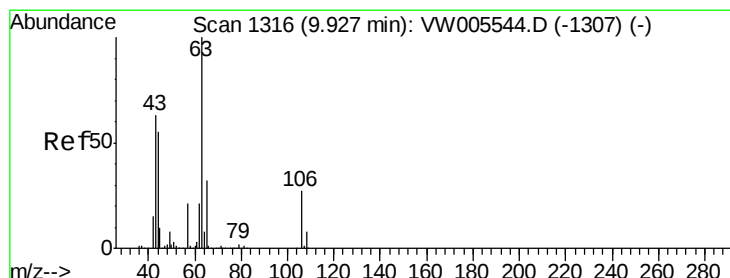
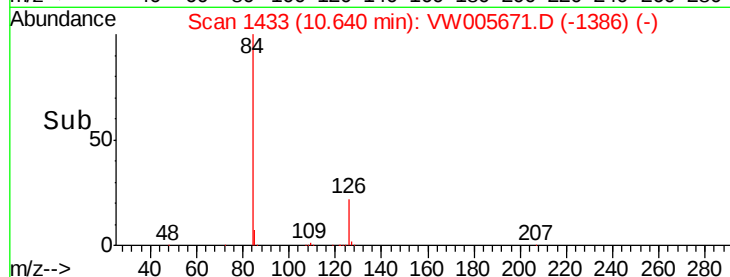
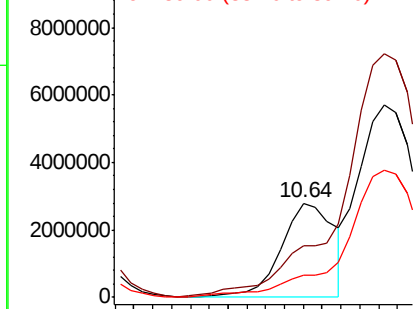
69 100

41 0.0 57.3 85.9#

39 0.0 29.2 43.8#



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



#58

2-Chloroethyl Vinyl ether

Concen: 9.269 ug/l

RT: 9.91 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VW005671.D

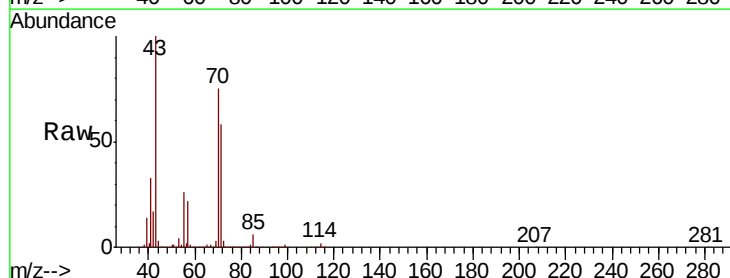
Acq: 26 Sep 2018 23:17

Tgt Ion: 63 Resp: 11148

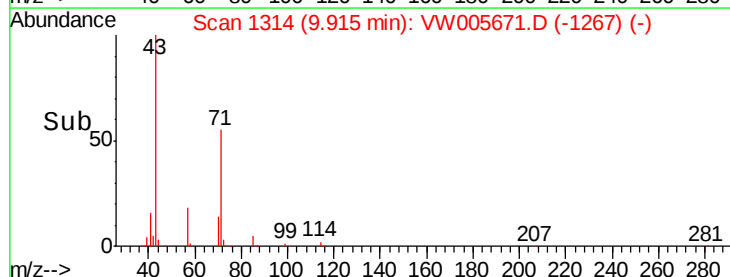
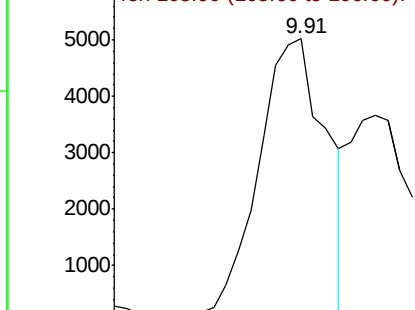
Ion Ratio Lower Upper

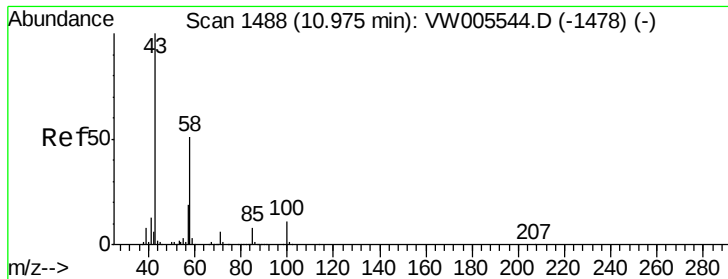
63 100

106 0.0 21.6 32.4#



Abundance Ion 62.90 (62.60 to 63.60): VW
Ion 105.90 (105.60 to 106.60): V

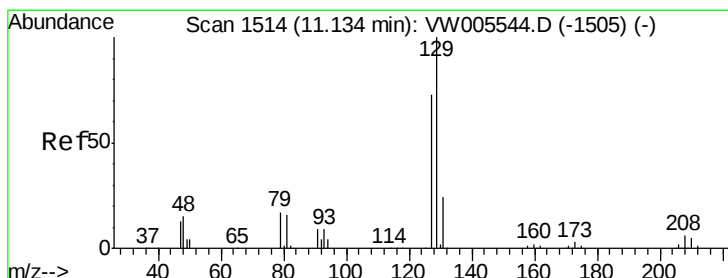
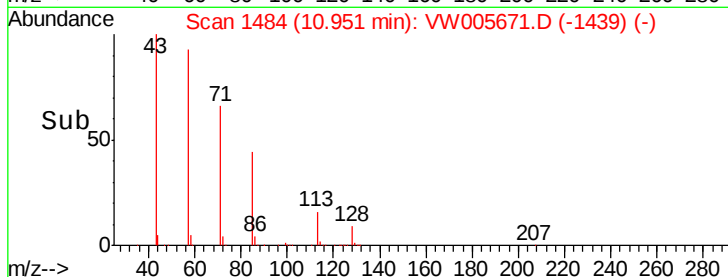
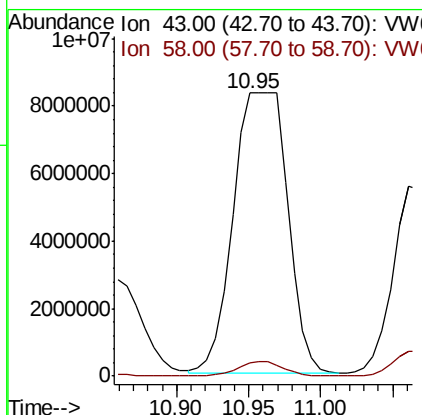
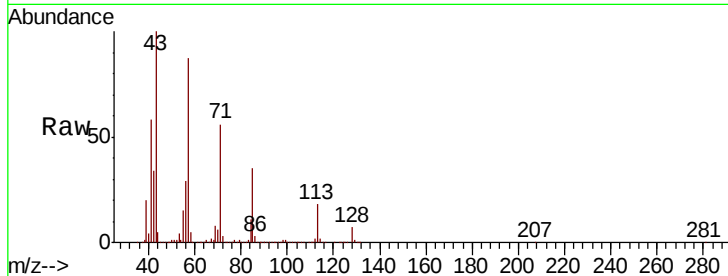




#59
2-Hexanone
Concen: 17689.696 ug/l
RT: 10.95 min Scan# 1484
Delta R.T. -0.02 min
Lab File: VW005671.D
Acq: 26 Sep 2018 23:17

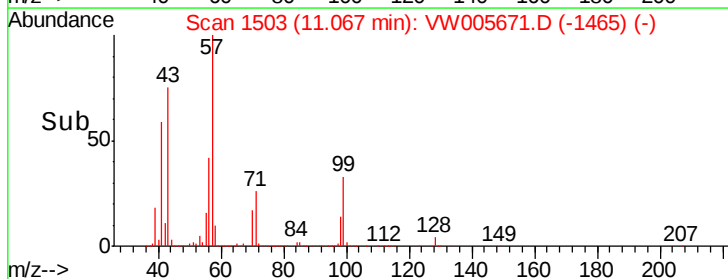
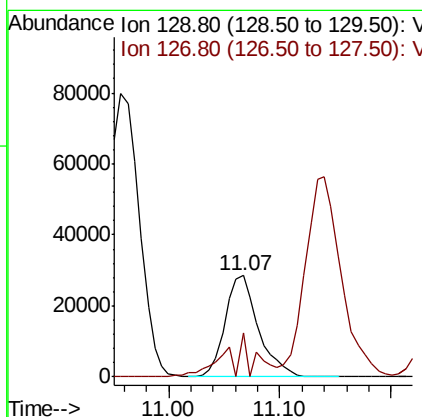
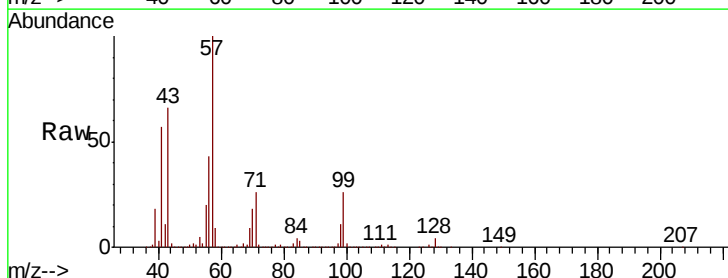
Instrument :
MSVOA_W
ClientSampleId :
TP-2-D

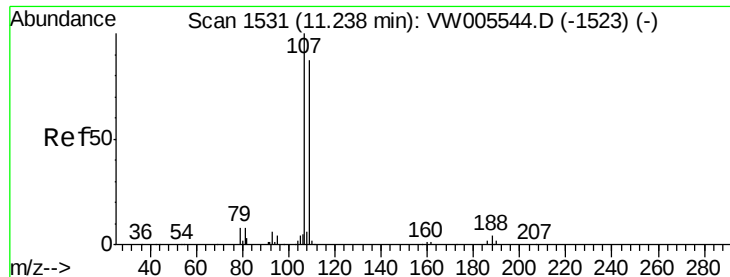
Tgt Ion: 43 Resp: 21771522
Ion Ratio Lower Upper
43 100
58 4.2 25.3 75.9#



#60
Dibromochloromethane
Concen: 22.853 ug/l
RT: 11.07 min Scan# 1503
Delta R.T. -0.07 min
Lab File: VW005671.D
Acq: 26 Sep 2018 23:17

Tgt Ion: 129 Resp: 59349
Ion Ratio Lower Upper
129 100
127 7.6 38.5 115.5#





#61

1,2-Dibromoethane

Concen: 5.732 ug/l

RT: 11.26 min Scan# 1534

Delta R.T. 0.02 min

Lab File: VW005671.D

Acq: 26 Sep 2018 23:17

Instrument :

MSVOA_W

ClientSampled :

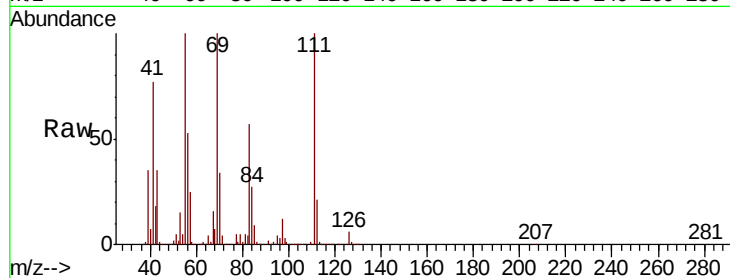
TP-2-D

Tgt Ion: 107 Resp: 11486

Ion Ratio Lower Upper

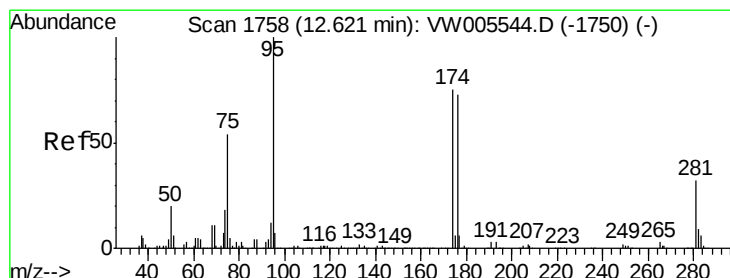
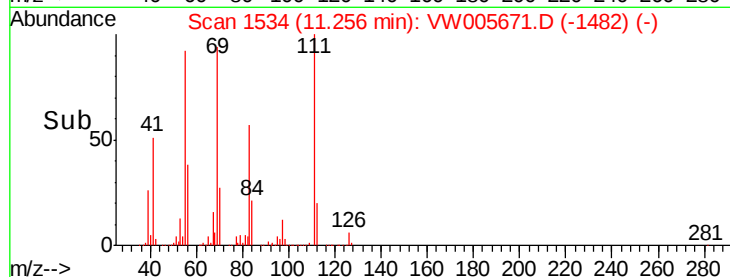
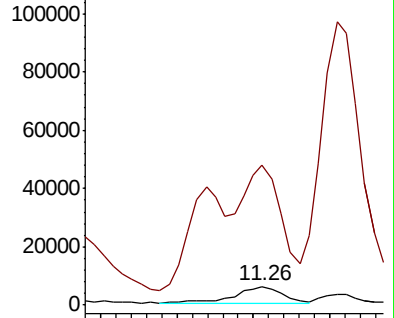
107 100

109 709.5 73.4 110.0#



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 227.321 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW005671.D

Acq: 26 Sep 2018 23:17

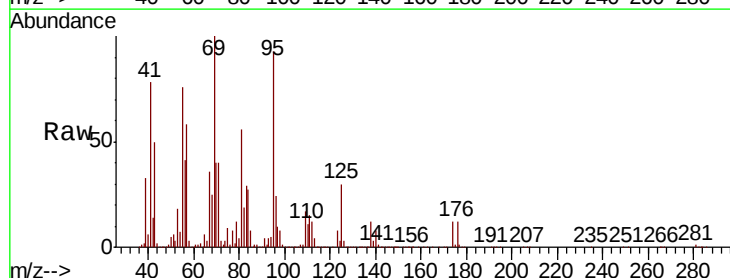
Tgt Ion: 95 Resp: 930188

Ion Ratio Lower Upper

95 100

174 15.4 0.0 163.8

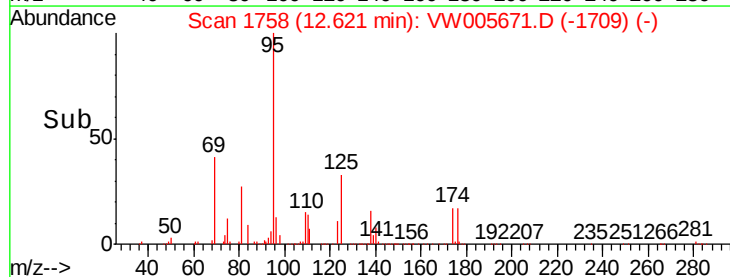
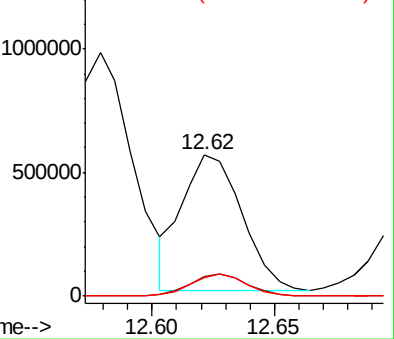
176 15.1 0.0 158.0

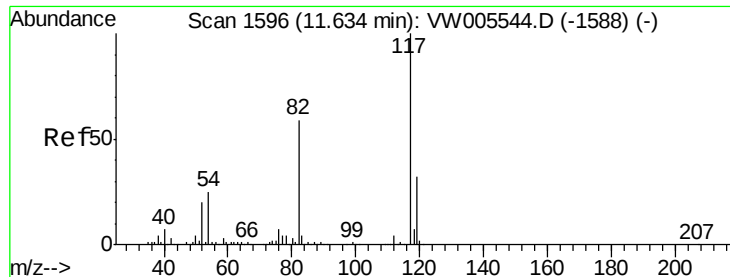


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

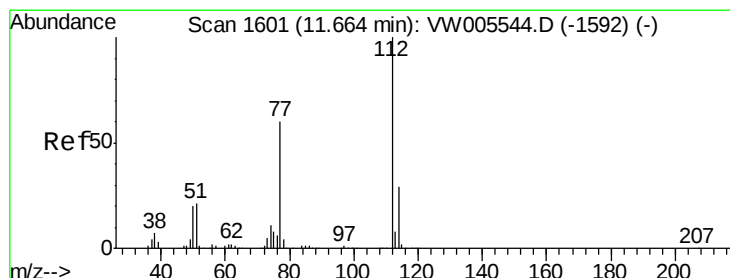
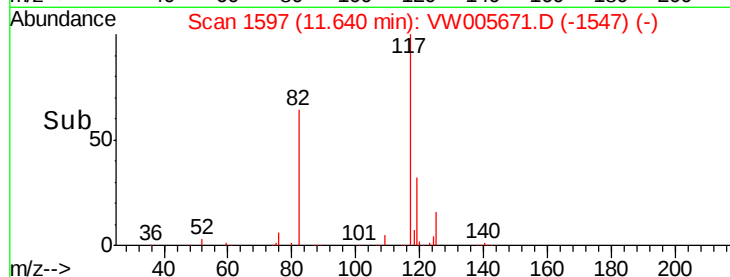
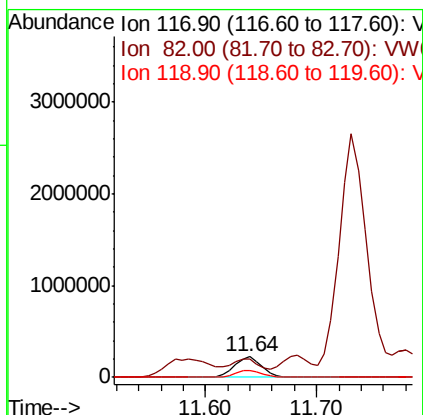
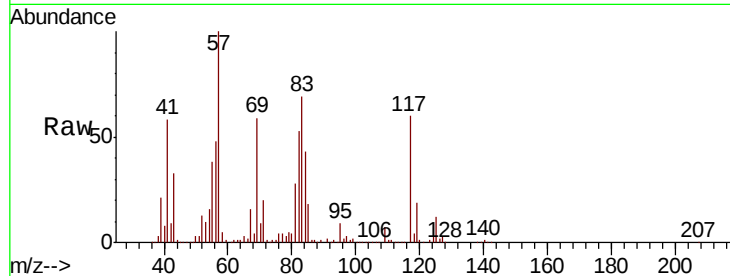




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. 0.01 min
Lab File: VW005671.D
Acq: 26 Sep 2018 23:17

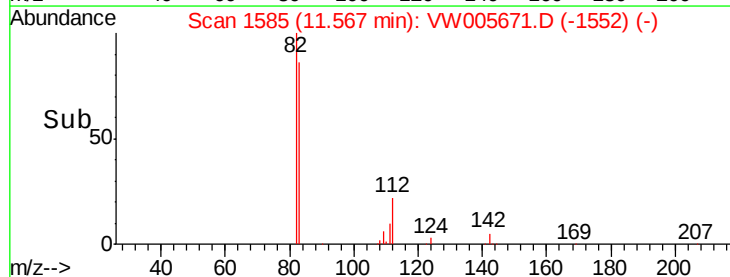
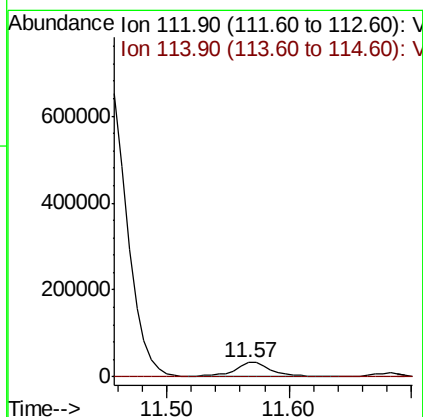
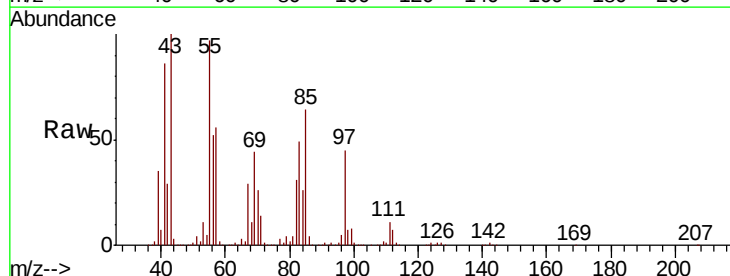
Instrument :
MSVOA_W
ClientSampled :
TP-2-D

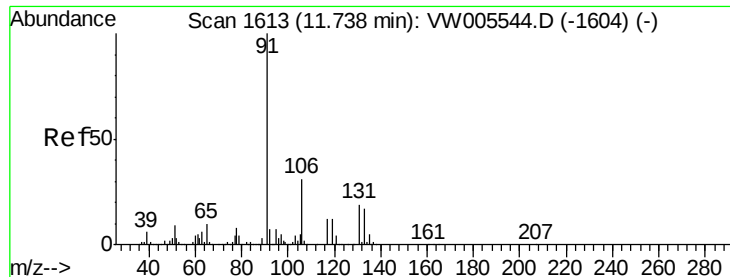
Tgt Ion:117 Resp: 368471
Ion Ratio Lower Upper
117 100
82 0.1 46.9 70.3#
119 32.1 25.7 38.5



#65
Chlorobenzene
Concen: 8.952 ug/l
RT: 11.57 min Scan# 1585
Delta R.T. -0.10 min
Lab File: VW005671.D
Acq: 26 Sep 2018 23:17

Tgt Ion:112 Resp: 70025
Ion Ratio Lower Upper
112 100
114 0.5 22.9 34.3#





#67

Ethyl Benzene

Concen: 6.045 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.01 min

Lab File: VW005671.D

Acq: 26 Sep 2018 23:17

Instrument :

MSVOA_W

ClientSampled :

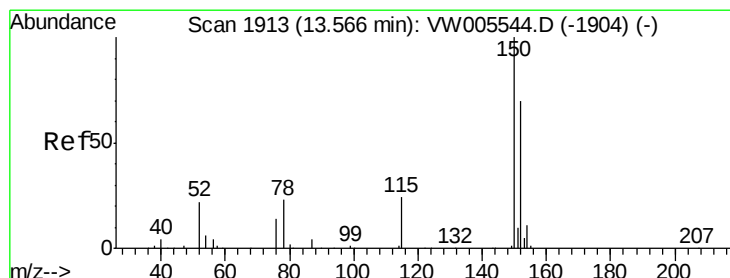
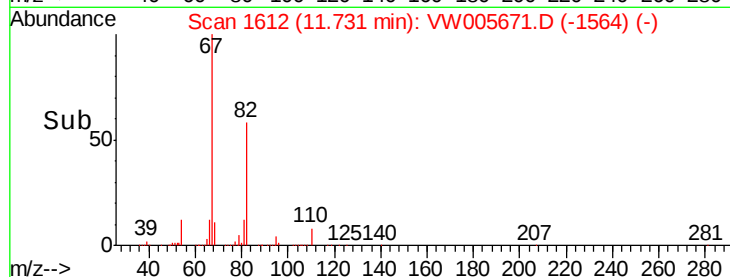
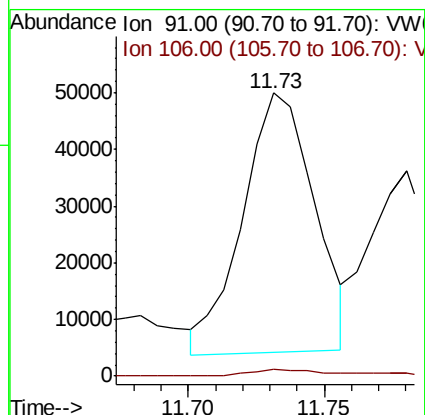
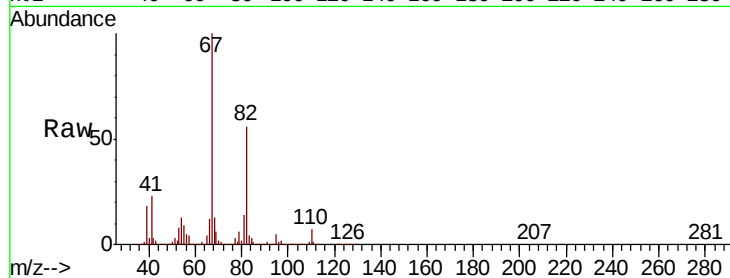
TP-2-D

Tgt Ion: 91 Resp: 83931

Ion Ratio Lower Upper

91 100

106 2.7 24.4 36.6#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW005671.D

Acq: 26 Sep 2018 23:17

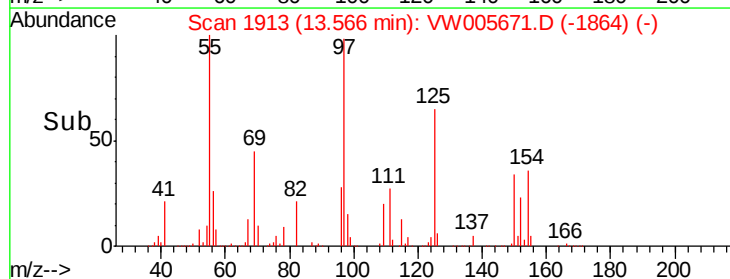
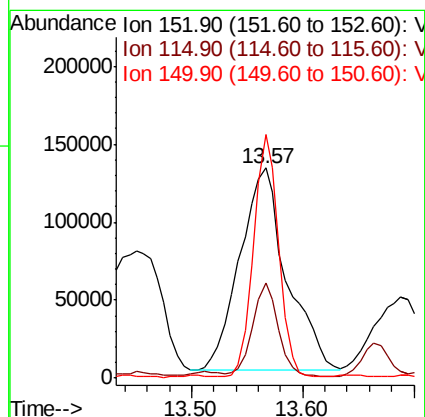
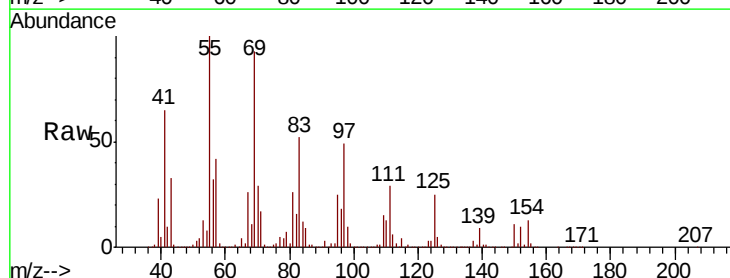
Tgt Ion: 152 Resp: 381189

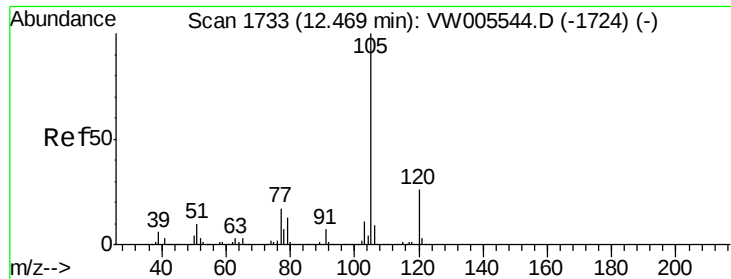
Ion Ratio Lower Upper

152 100

115 25.4 30.0 90.0#

150 63.6 0.0 348.6





#73

Isopropylbenzene

Concen: 120.979 ug/l

RT: 12.48 min Scan# 1734

Delta R.T. 0.01 min

Lab File: VW005671.D

Acq: 26 Sep 2018 23:17

Instrument :

MSVOA_W

ClientSampleId :

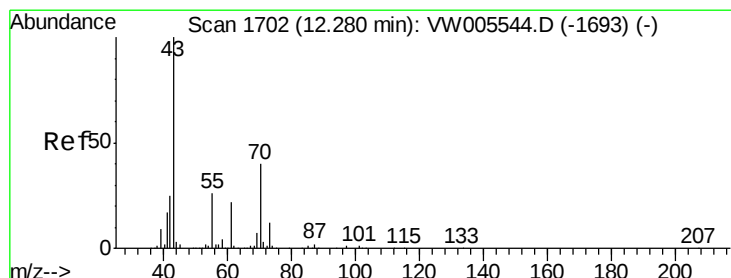
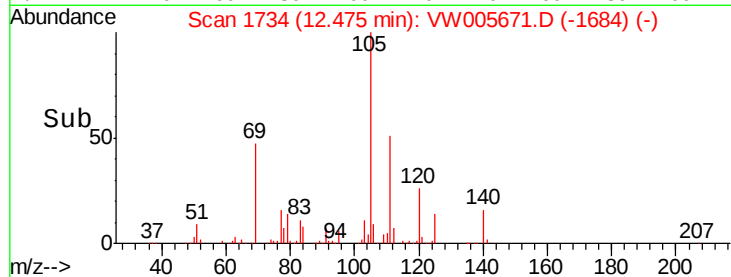
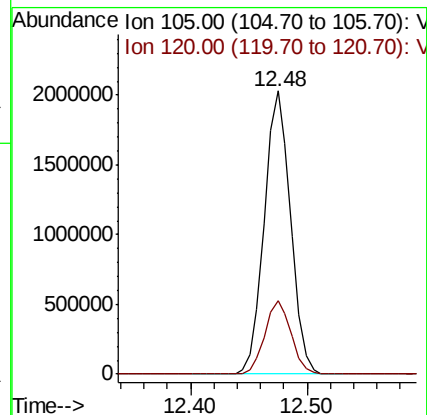
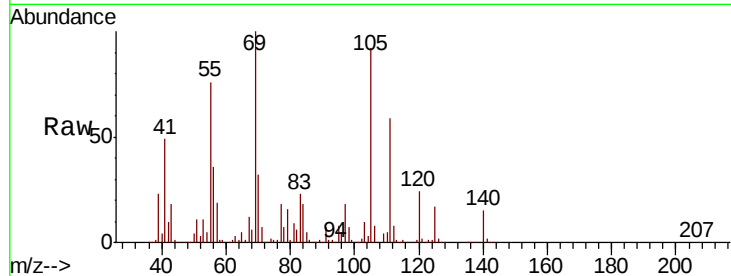
TP-2-D

Tgt Ion:105 Resp: 3198001

Ion Ratio Lower Upper

105 100

120 25.8 12.9 38.7



#74

N-ethyl acetate

Concen: 1615.007 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.01 min

Lab File: VW005671.D

Acq: 26 Sep 2018 23:17

Tgt Ion: 43 Resp: 9667084

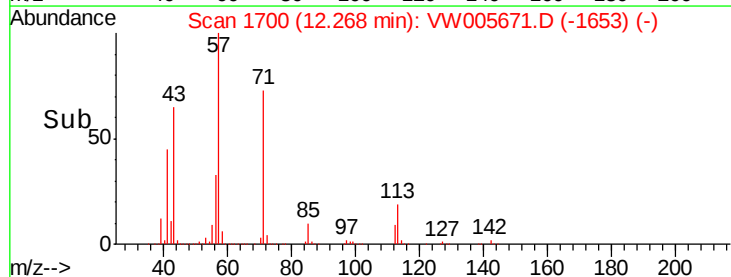
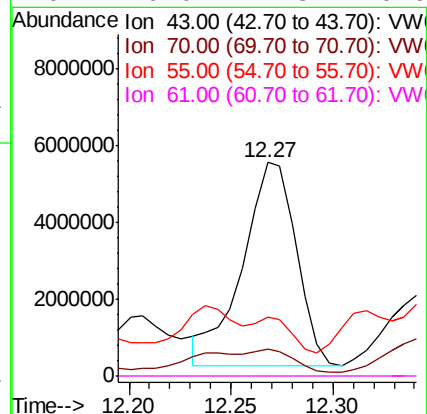
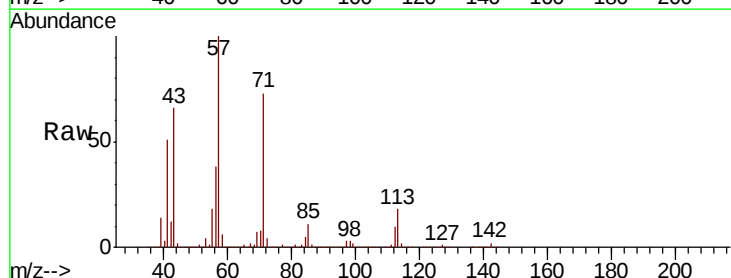
Ion Ratio Lower Upper

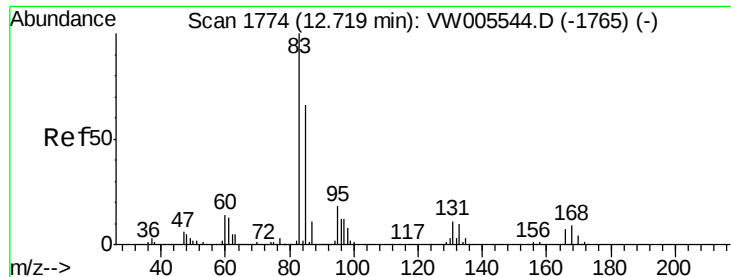
43 100

70 0.0 31.4 47.0#

55 0.0 20.9 31.3#

61 0.0 17.8 26.6#





#75

1,1,2,2-Tetrachloroethane

Concen: 181.188 ug/l

RT: 12.71 min Scan# 1772

Delta R.T. -0.01 min

Lab File: VW005671.D

Acq: 26 Sep 2018 23:17

Instrument :

MSVOA_W

ClientSampled :

TP-2-D

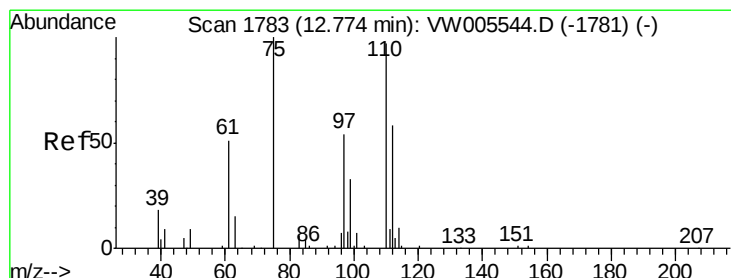
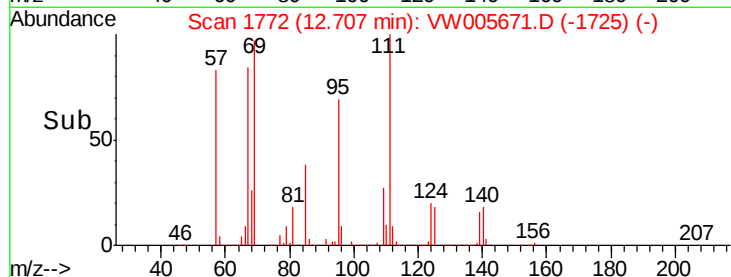
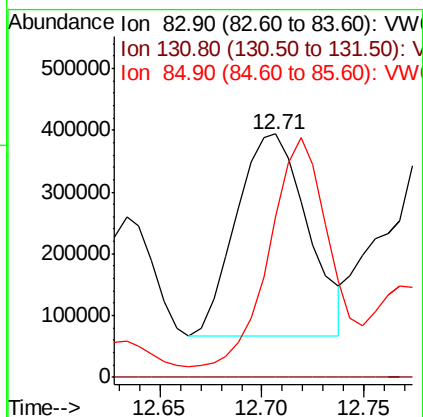
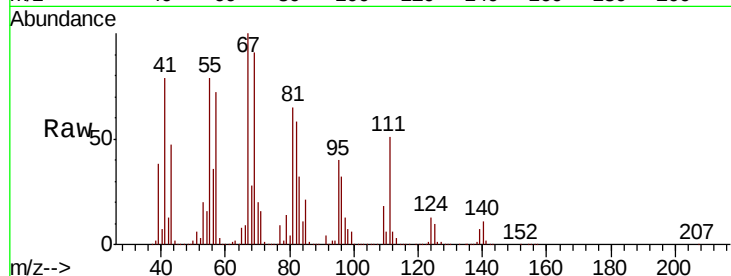
Tgt Ion: 83 Resp: 795565

Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.7#

85 95.8 32.4 97.0



#76

1,2,3-Trichloropropane

Concen: 8.215 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.04 min

Lab File: VW005671.D

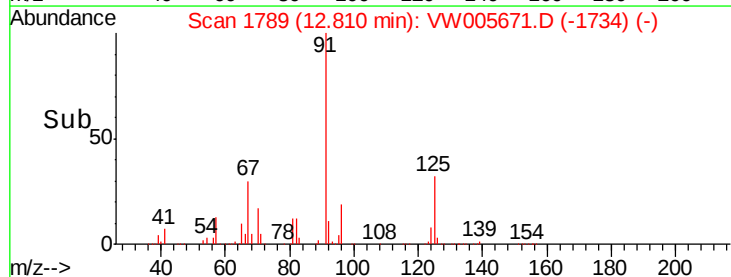
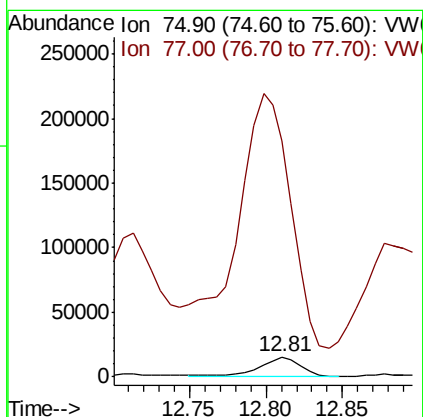
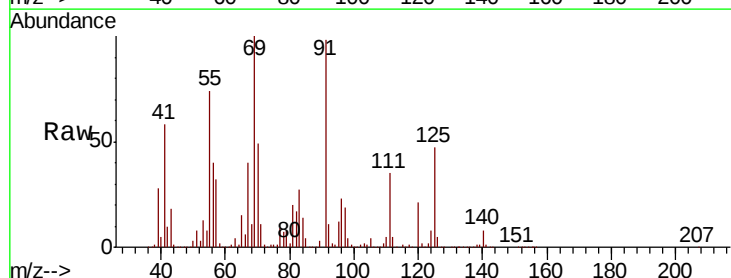
Acq: 26 Sep 2018 23:17

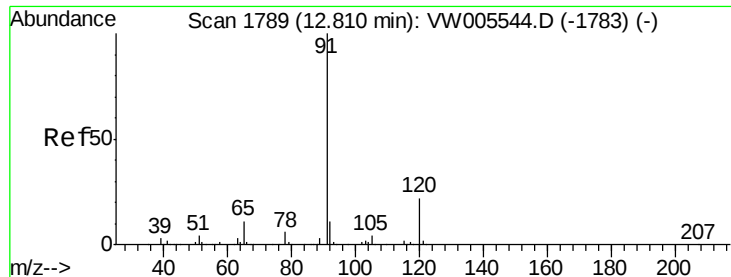
Tgt Ion: 75 Resp: 26694

Ion Ratio Lower Upper

75 100

77 1652.0 0.0 0.0#





#78

n-propylbenzene

Concen: 105.600 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW005671.D

Acq: 26 Sep 2018 23:17

Instrument :

MSVOA_W

ClientSampleId :

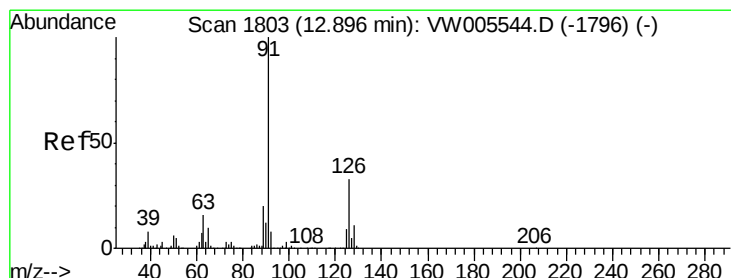
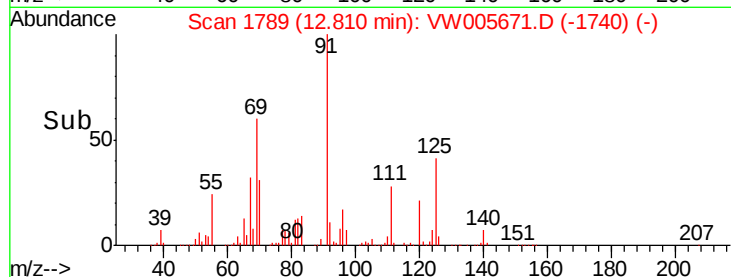
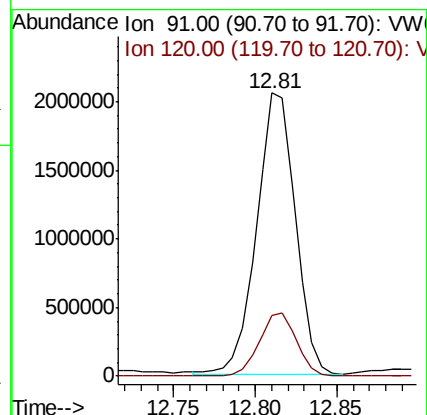
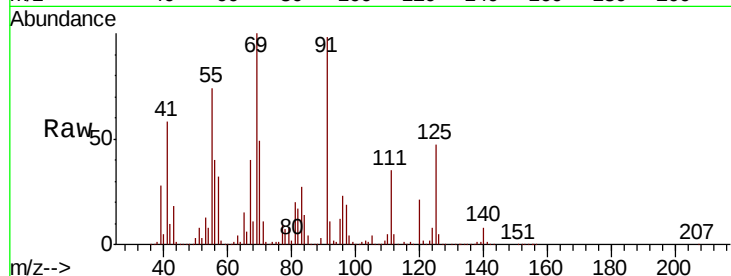
TP-2-D

Tgt Ion: 91 Resp: 3379607

Ion Ratio Lower Upper

91 100

120 21.6 11.2 33.5



#79

2-Chlorotoluene

Concen: 8.268 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.05 min

Lab File: VW005671.D

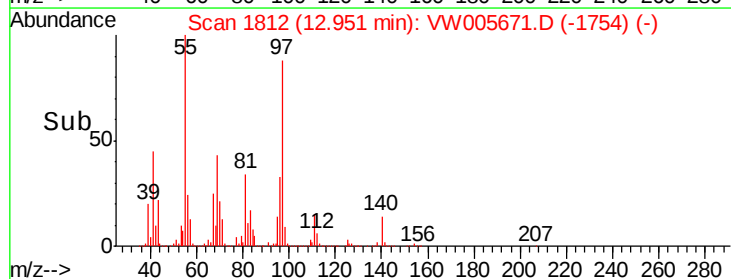
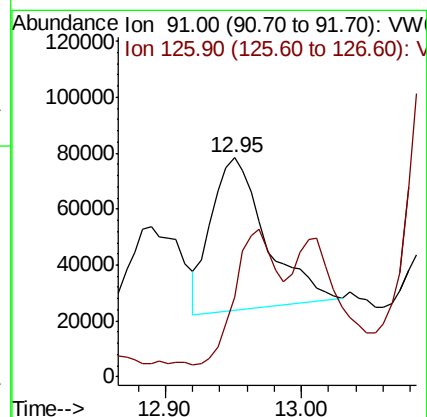
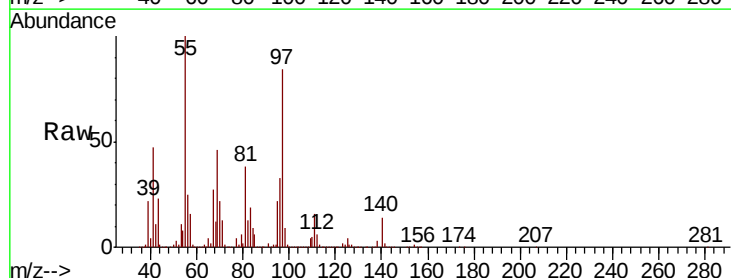
Acq: 26 Sep 2018 23:17

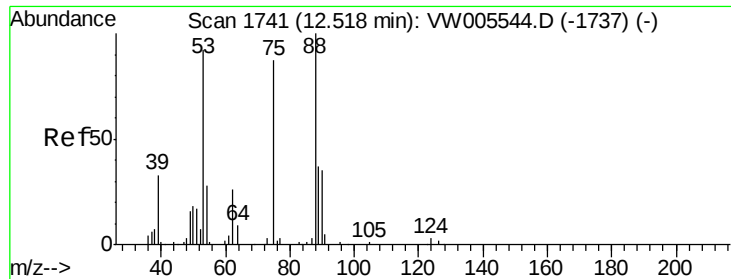
Tgt Ion: 91 Resp: 153098

Ion Ratio Lower Upper

91 100

126 69.0 16.4 49.1#





#81

trans-1,4-Dichloro-2-butene

Concen: 27.474 ug/l

RT: 12.48 min Scan# 1734

Delta R.T. -0.04 min

Lab File: VW005671.D

Acq: 26 Sep 2018 23:17

Instrument :

MSVOA_W

ClientSampleId :

TP-2-D

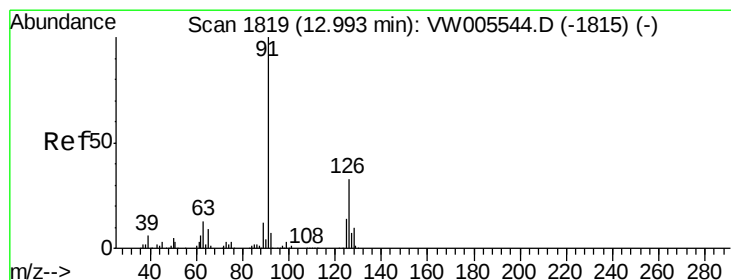
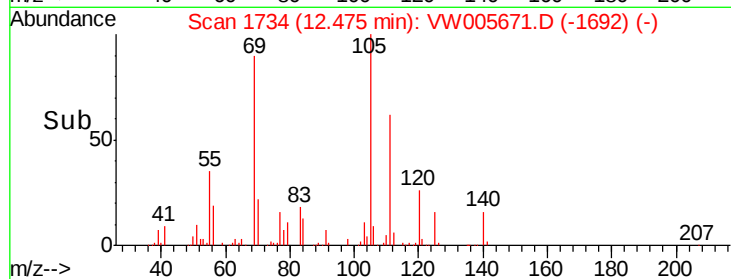
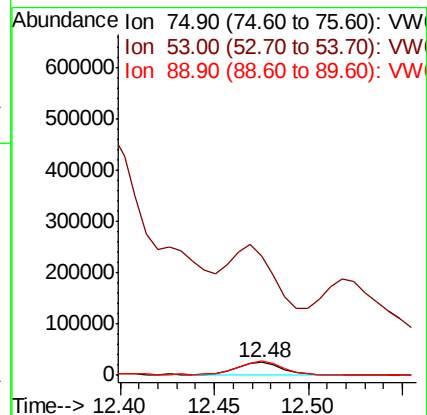
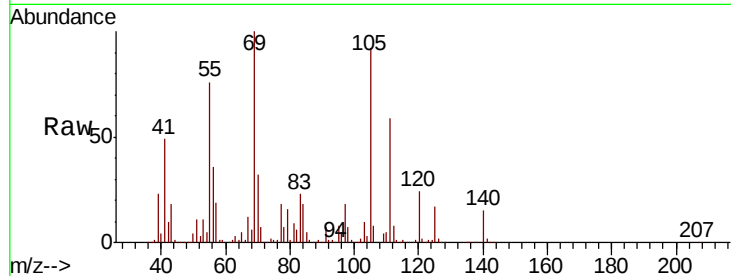
Tgt Ion: 75 Resp: 39637

Ion Ratio Lower Upper

75 100

53 640.1 85.8 128.6#

89 109.6 37.3 55.9#



#82

4-Chlorotoluene

Concen: 7.490 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.04 min

Lab File: VW005671.D

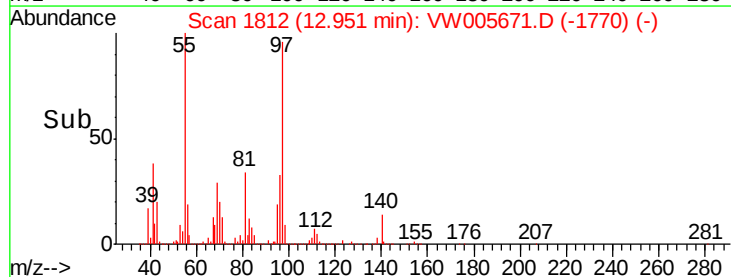
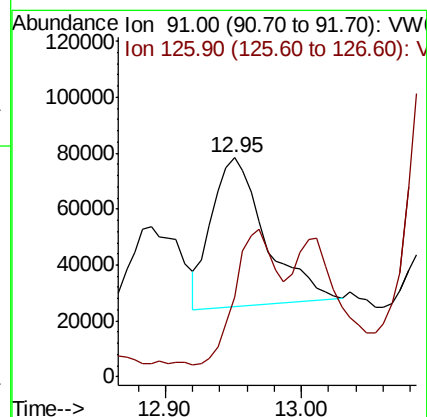
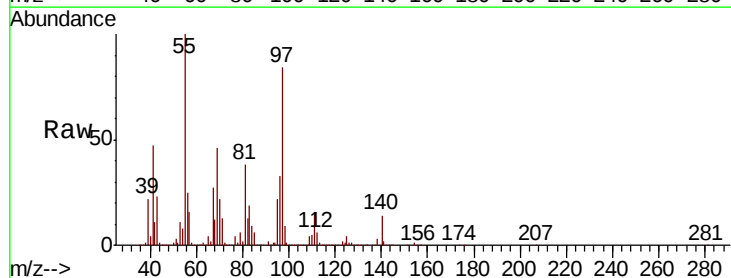
Acq: 26 Sep 2018 23:17

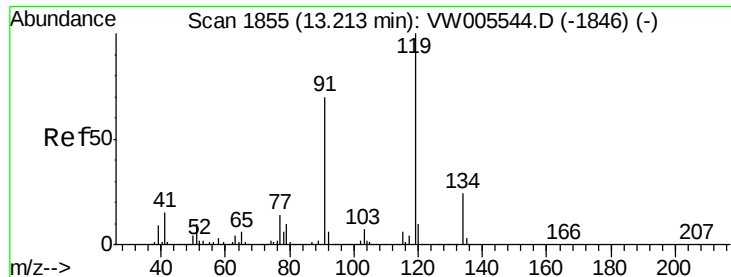
Tgt Ion: 91 Resp: 146527

Ion Ratio Lower Upper

91 100

126 72.1 16.4 49.4#





#83

tert-Butylbenzene

Concen: 12.745 ug/l

RT: 13.22 min Scan# 1856

Delta R.T. 0.01 min

Lab File: VW005671.D

Acq: 26 Sep 2018 23:17

Instrument :

MSVOA_W

ClientSampled :

TP-2-D

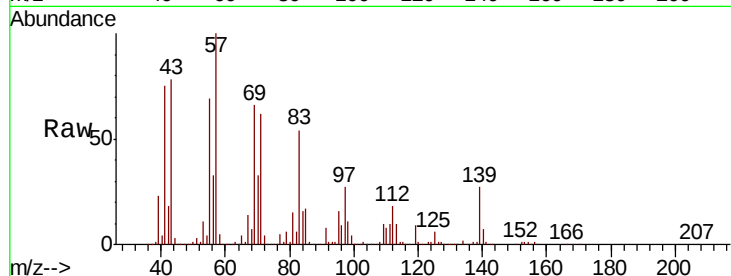
Tgt Ion:119 Resp: 246117

Ion Ratio Lower Upper

119 100

91 91.4 34.6 103.8

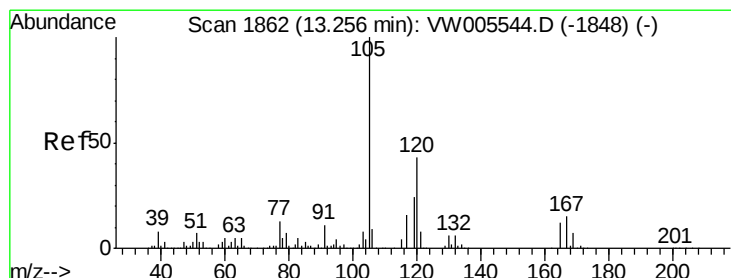
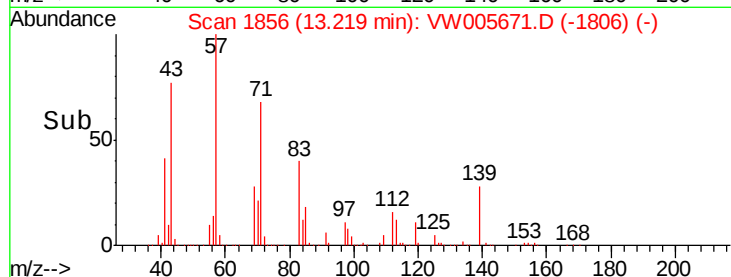
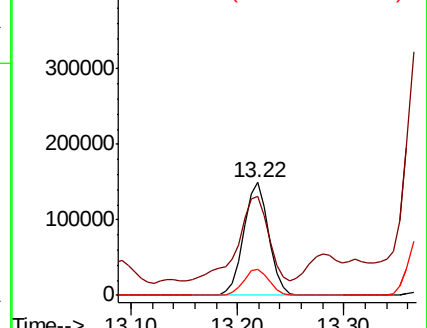
134 23.4 12.6 37.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VW

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 43.700 ug/l

RT: 13.40 min Scan# 1885

Delta R.T. 0.14 min

Lab File: VW005671.D

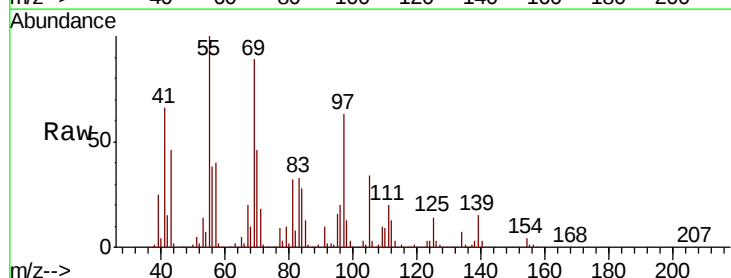
Acq: 26 Sep 2018 23:17

Tgt Ion:105 Resp: 1013649

Ion Ratio Lower Upper

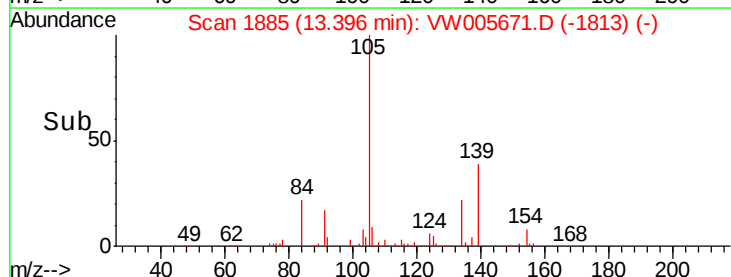
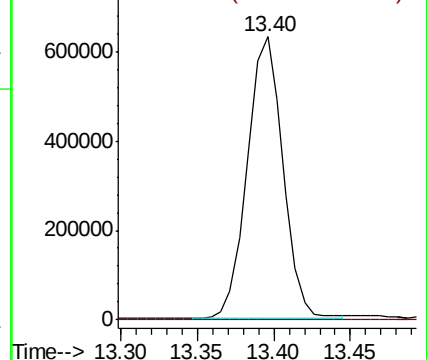
105 100

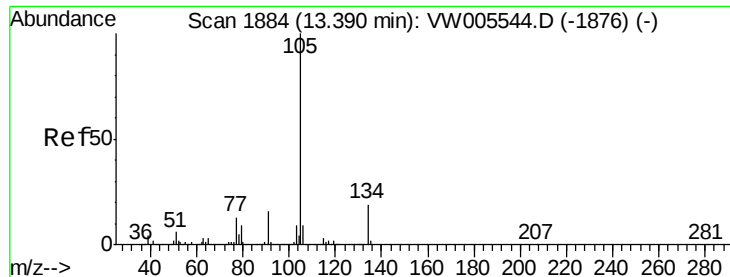
120 0.4 21.5 64.5#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 36.193 ug/l

RT: 13.40 min Scan# 1885

Delta R.T. 0.01 min

Lab File: VW005671.D

Acq: 26 Sep 2018 23:17

Instrument :

MSVOA_W

ClientSampleId :

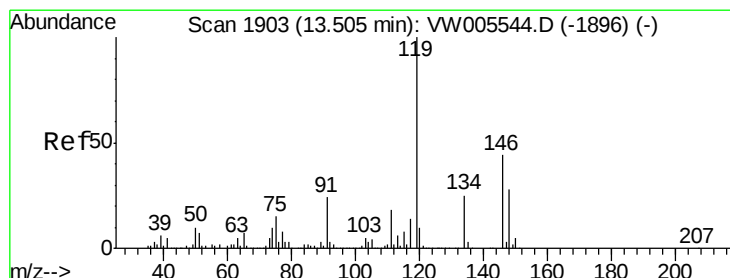
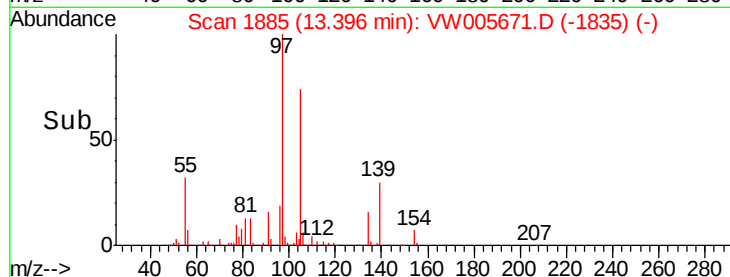
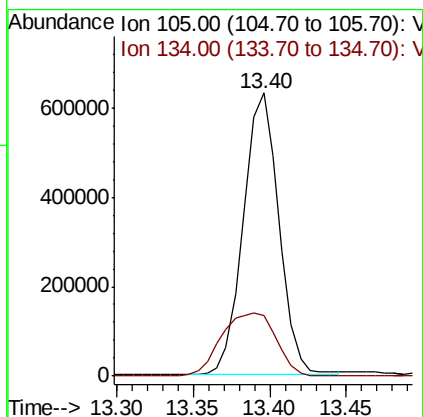
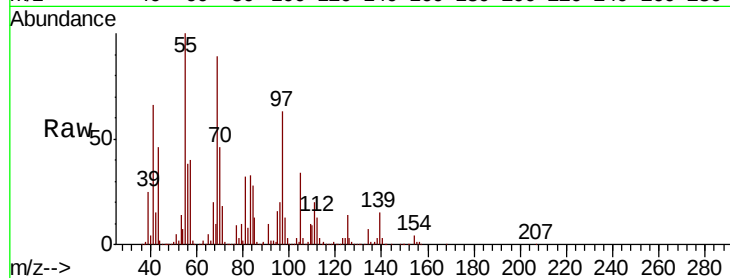
TP-2-D

Tgt Ion:105 Resp: 1013649

Ion Ratio Lower Upper

105 100

134 34.6 9.8 29.5#



#86

p-Isopropyltoluene

Concen: 1.651 ug/l

RT: 13.51 min Scan# 1904

Delta R.T. 0.01 min

Lab File: VW005671.D

Acq: 26 Sep 2018 23:17

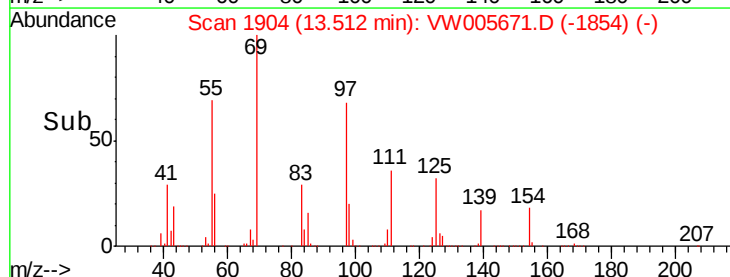
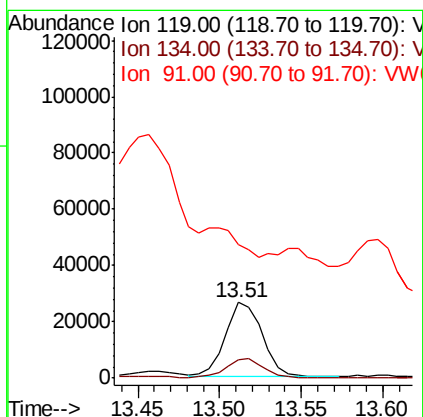
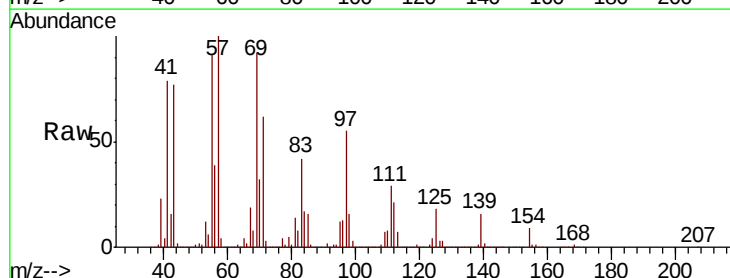
Tgt Ion:119 Resp: 41451

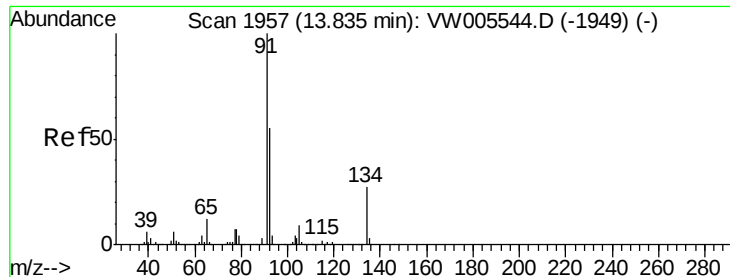
Ion Ratio Lower Upper

119 100

134 0.0 12.7 38.1#

91 0.0 12.2 36.4#





#89

n-Butylbenzene

Concen: 15.833 ug/l

RT: 13.83 min Scan# 1957

Delta R.T. -0.00 min

Lab File: VW005671.D

Acq: 26 Sep 2018 23:17

Instrument :

MSVOA_W

ClientSampled :

TP-2-D

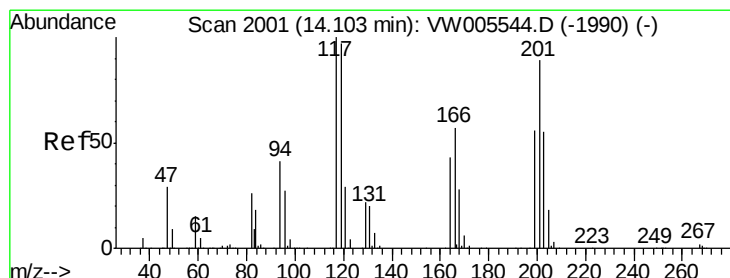
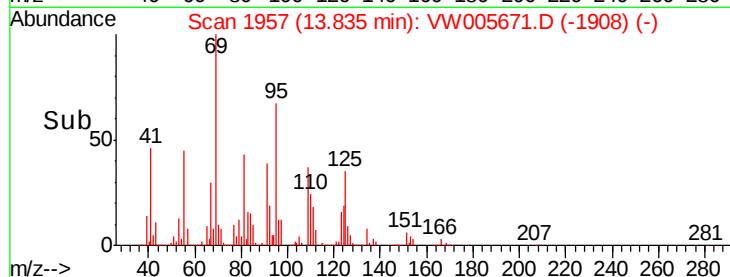
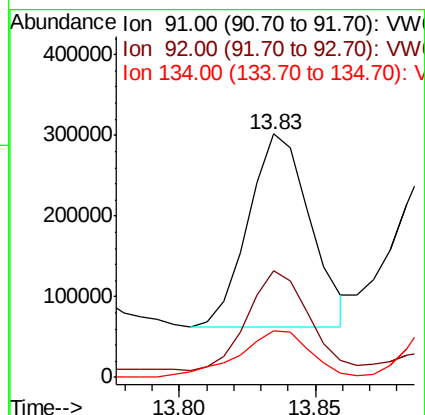
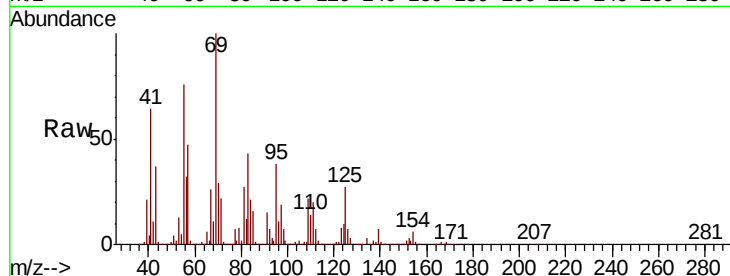
Tgt Ion: 91 Resp: 374905

Ion Ratio Lower Upper

91 100

92 50.3 26.5 79.5

134 27.7 12.9 38.7



#90

Hexachloroethane

Concen: 106.294 ug/l

RT: 14.12 min Scan# 2003

Delta R.T. 0.01 min

Lab File: VW005671.D

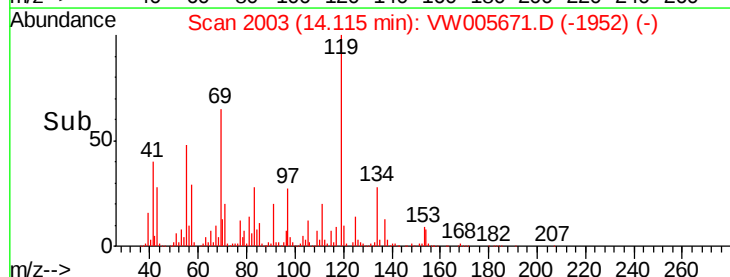
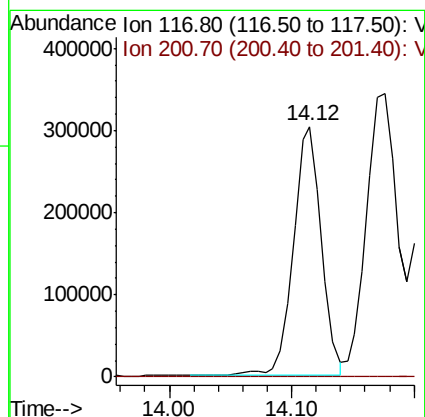
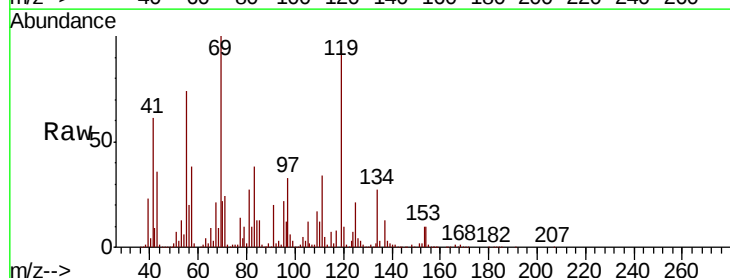
Acq: 26 Sep 2018 23:17

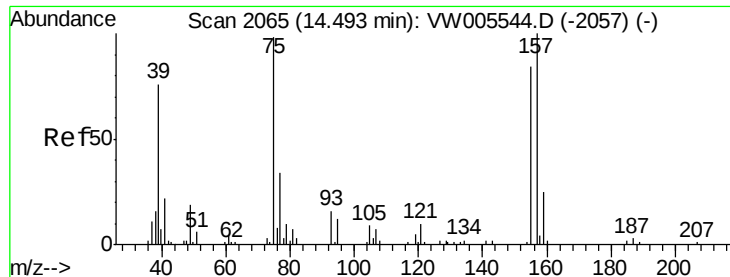
Tgt Ion: 117 Resp: 483631

Ion Ratio Lower Upper

117 100

201 0.0 42.8 128.3#





#92

1,2-Dibromo-3-Chloropropane

Concen: 19.425 ug/l

RT: 14.51 min Scan# 2068

Delta R.T. 0.02 min

Lab File: VW005671.D

Acq: 26 Sep 2018 23:17

Instrument :

MSVOA_W

ClientSampleId :

TP-2-D

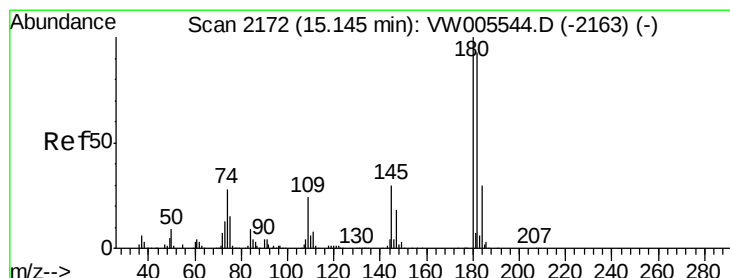
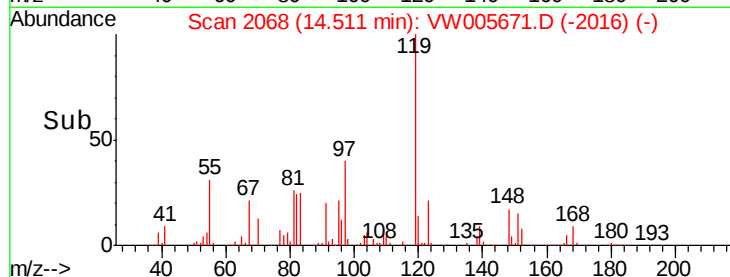
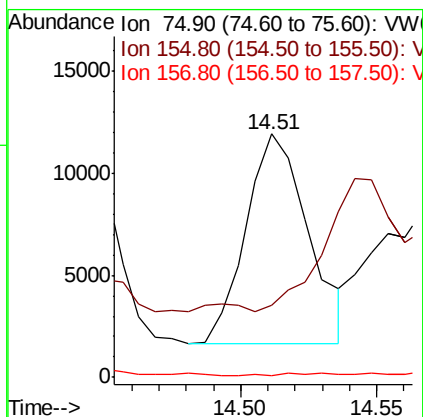
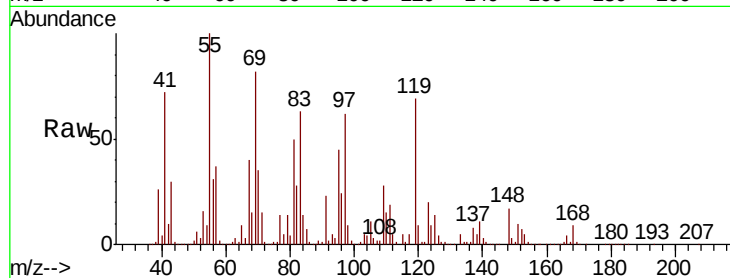
Tgt Ion: 75 Resp: 16250

Ion Ratio Lower Upper

75 100

155 0.0 39.1 117.5#

157 0.0 50.8 152.4#



#93

1,2,4-Trichlorobenzene

Concen: 3.784 ug/l

RT: 15.15 min Scan# 2172

Delta R.T. -0.00 min

Lab File: VW005671.D

Acq: 26 Sep 2018 23:17

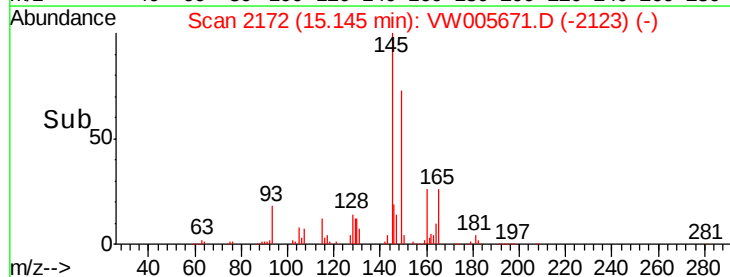
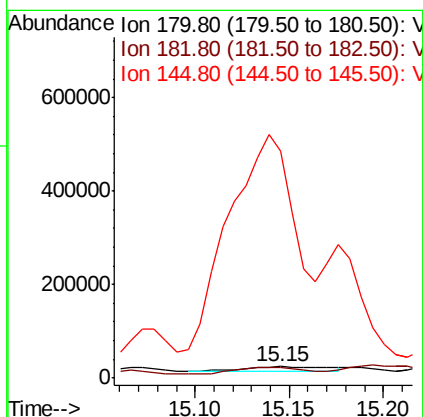
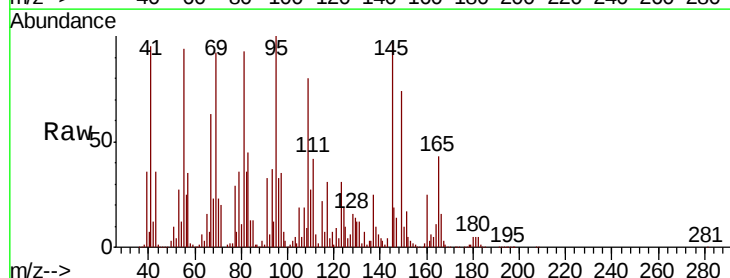
Tgt Ion: 180 Resp: 30185

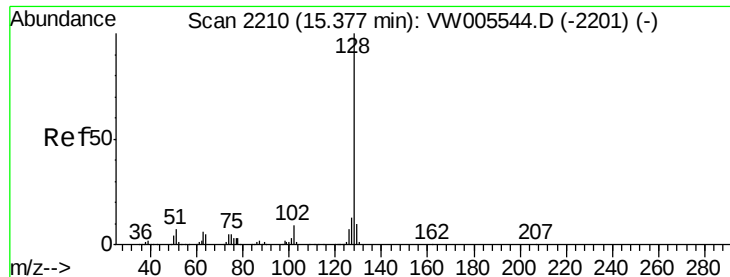
Ion Ratio Lower Upper

180 100

182 122.5 47.7 143.1

145 4532.1 15.0 45.1#

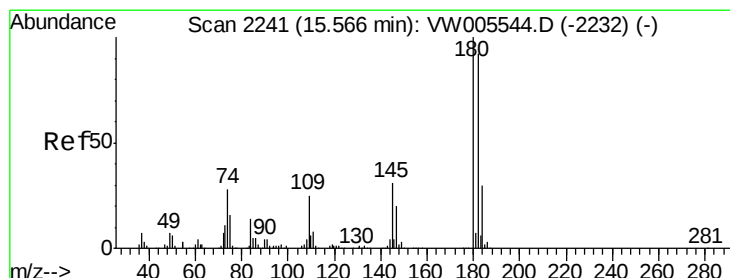
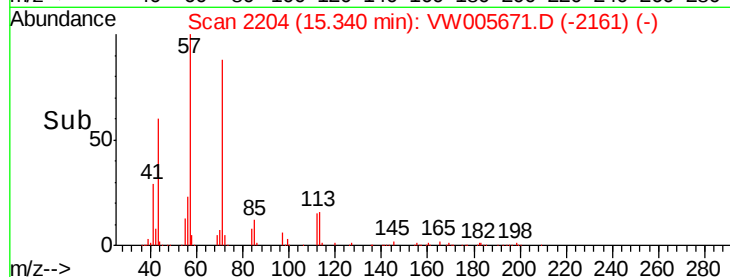
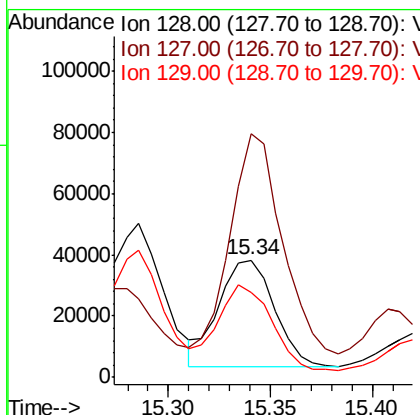
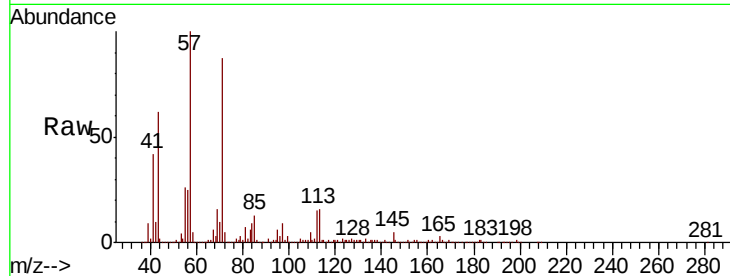




#95
Naphthalene
Concen: 4.928 ug/l
RT: 15.34 min Scan# 2204
Delta R.T. -0.04 min
Lab File: VW005671.D
Acq: 26 Sep 2018 23:17

Instrument :
MSVOA_W
ClientSampleId :
TP-2-D

Tgt Ion:128 Resp: 66132
Ion Ratio Lower Upper
128 100
127 190.6 10.9 16.3#
129 77.9 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 4.507 ug/l
RT: 15.53 min Scan# 2235
Delta R.T. -0.04 min
Lab File: VW005671.D
Acq: 26 Sep 2018 23:17

Tgt Ion:180 Resp: 31690
Ion Ratio Lower Upper
180 100
182 44.1 47.3 141.9#
145 480.1 16.0 47.9#

