

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091818\
 Data File : VW005486.D
 Acq On : 18 Sep 2018 18:21
 Operator : SY/AP
 Sample : J4945-01RE
 Misc : 1.19G/5ML/MSVOA_W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RB47195RT

Quant Time: Sep 19 05:59:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091618S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 15 02:32:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	202391	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	294298	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	178558	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	52904	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	98180	46.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.46%	
35) Dibromofluoromethane	7.89	113	70232	42.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.12%	
50) Toluene-d8	10.33	98	242108	32.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	64.08%	
62) 4-Bromofluorobenzene	12.63	95	51369	18.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	262	Below Cal	#	42
5) Bromomethane	2.78	94	216	Below Cal	#	68
8) Diethyl Ether	3.70	74	2642	2.998	ug/l #	1
10) Methyl Iodide	4.28	142	69	4.080	ug/l #	38
11) Tert butyl alcohol	5.21	59	726	Below Cal	#	79
13) Acrolein	3.86	56	59	Below Cal	#	1
16) Acetone	4.15	43	677574	2397.591	ug/l	99
18) Methyl Acetate	4.69	43	26895	26.642	ug/l	97
20) Methylene Chloride	4.93	84	16208	2.300	ug/l	97
25) 2-Butanone	7.19	43	17477	34.583	ug/l	98
31) Cyclohexane	7.96	56	5047	1.505	ug/l #	7
36) 1,1-Dichloropropene	7.96	75	16581	5.953	ug/l #	51
37) Ethyl Acetate	7.19	43	17428	15.387	ug/l #	69
38) Carbon Tetrachloride	7.96	117	19778	6.815	ug/l #	17
43) Isopropyl Acetate	8.56	43	2259	1.022	ug/l #	52
46) Dibromomethane	9.48	93	3319	3.500	ug/l #	5
51) 4-Methyl-2-Pentanone	10.22	43	11955	10.506	ug/l	99
52) Toluene	10.40	92	92090	16.854	ug/l	99
59) 2-Hexanone	10.94	43	2156	2.782	ug/l #	27
69) o-Xylene	12.34	106	28413	11.896	ug/l #	1
70) Styrene	12.19	104	54459	13.816	ug/l #	60
73) Isopropylbenzene	12.49	105	5640731	1519.739	ug/l #	58
74) N-amyl acetate	12.34	43	107187	137.046	ug/l #	45
75) 1,1,2,2-Tetrachloroethane	12.73	83	5298	9.785	ug/l #	43
76) 1,2,3-Trichloropropane	12.73	75	4210	9.675	ug/l #	100
78) n-propylbenzene	12.78	91	161278	36.004	ug/l #	59
79) 2-Chlorotoluene	12.96	91	372258	140.864	ug/l #	42
80) 1,3,5-Trimethylbenzene	13.11	105	3483	1.075	ug/l	90
81) trans-1,4-Dichloro-2-buten	12.49	75	168829	1006.503	ug/l #	1
82) 4-Chlorotoluene	12.96	91	372258	133.429	ug/l #	42
83) tert-Butylbenzene	13.26	119	22963	8.537	ug/l #	1
84) 1,2,4-Trimethylbenzene	13.28	105	52815	16.063	ug/l #	32
85) sec-Butylbenzene	13.37	105	27843	7.164	ug/l	98
86) p-Isopropyltoluene	13.51	119	396987	114.214	ug/l #	74

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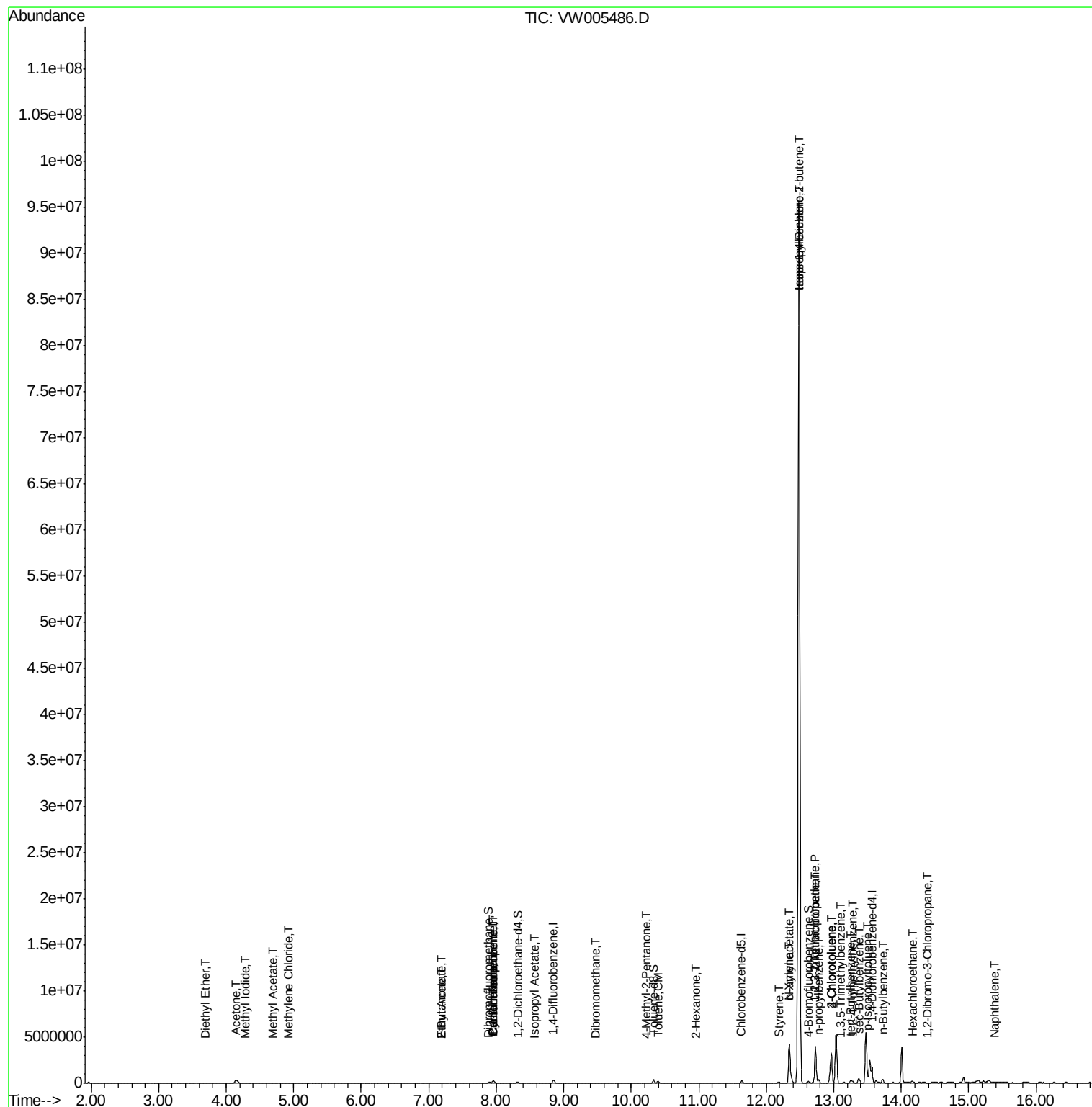
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) n-Butylbenzene	13.72	91	67135	20.742	ug/l #	79
90) Hexachloroethane	14.16	117	50185	84.266	ug/l #	7
92) 1,2-Dibromo-3-Chloropropan	14.38	75	165	1.587	ug/l	71
95) Naphthalene	15.38	128	9087	5.255	ug/l	95

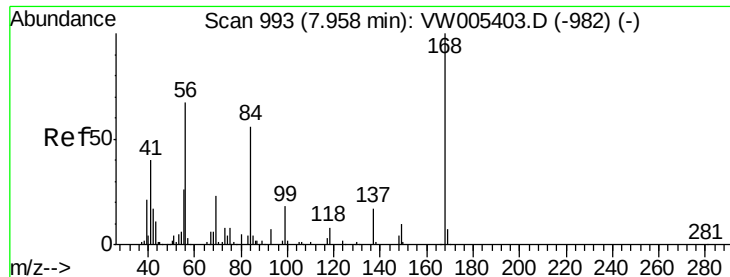
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW005486.D

Acq: 18 Sep 2018 18:21

Instrument :

MSVOA_W

ClientSampleId :

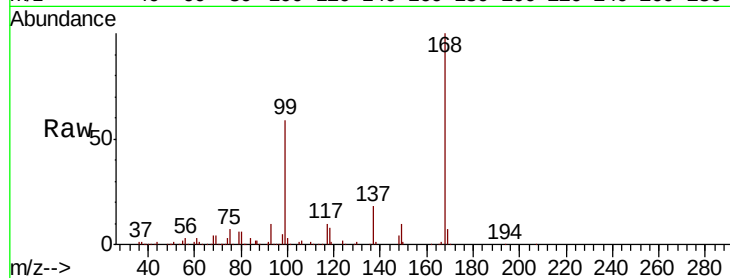
RB47195RT

Tgt Ion:168 Resp: 202391

Ion Ratio Lower Upper

168 100

99 58.7 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

80000

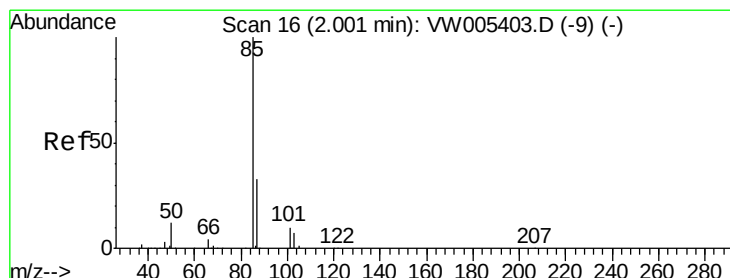
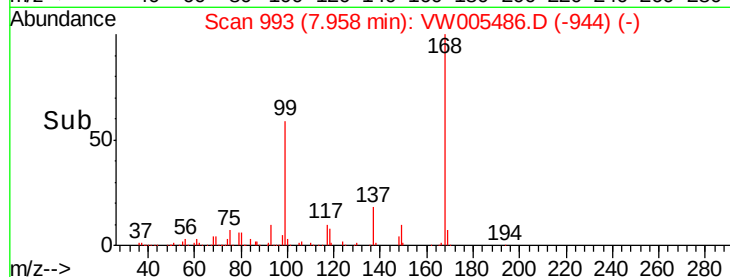
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.01 min Scan# 17

Delta R.T. 0.01 min

Lab File: VW005486.D

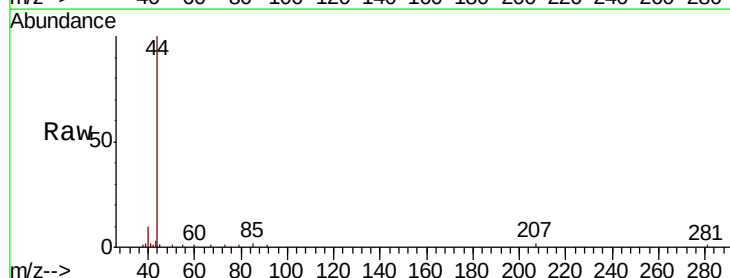
Acq: 18 Sep 2018 18:21

Tgt Ion: 85 Resp: 262

Ion Ratio Lower Upper

85 100

87 0.0 16.4 49.1#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

200

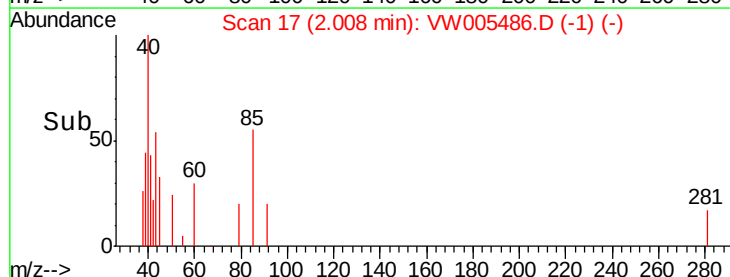
150

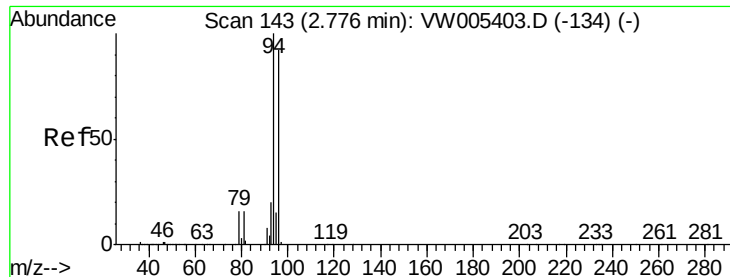
100

50

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW005486.D

Acq: 18 Sep 2018 18:21

Instrument :

MSVOA_W

ClientSampleId :

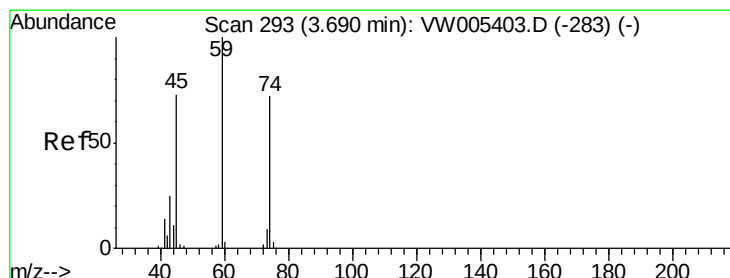
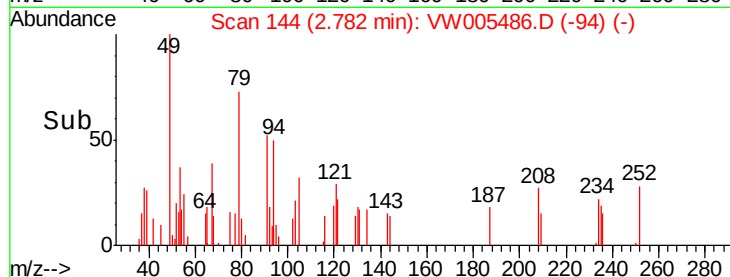
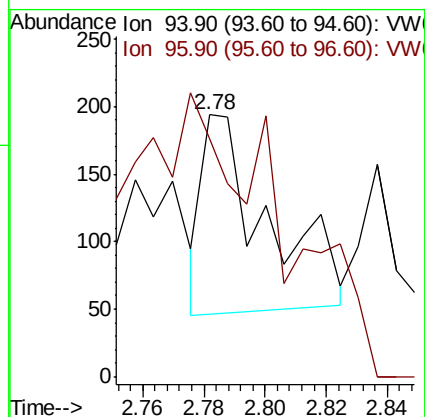
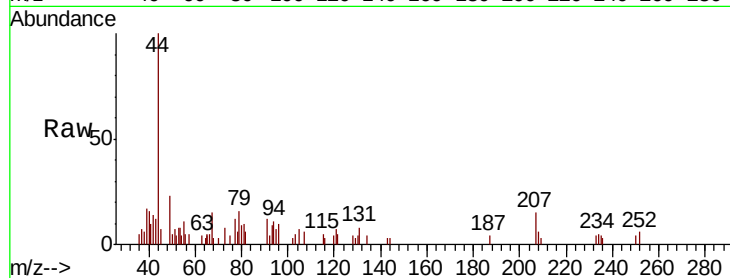
RB47195RT

Tgt Ion: 94 Resp: 216

Ion Ratio Lower Upper

94 100

96 61.4 73.7 110.5#



#8

Diethyl Ether

Concen: 2.998 ug/l

RT: 3.70 min Scan# 294

Delta R.T. 0.01 min

Lab File: VW005486.D

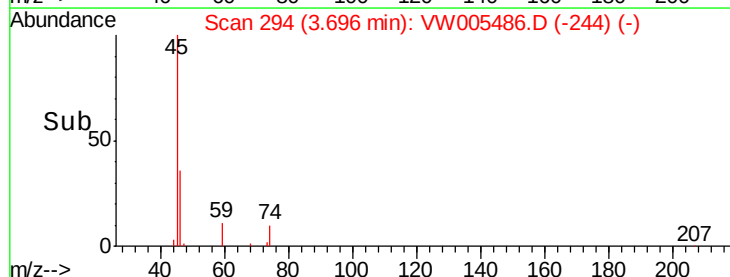
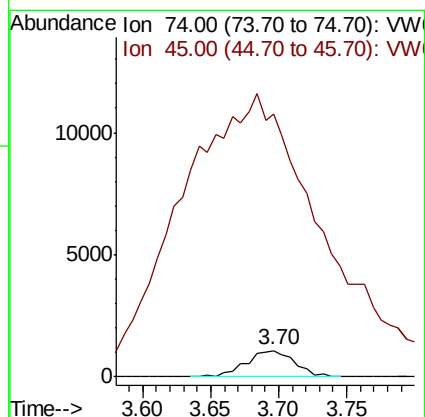
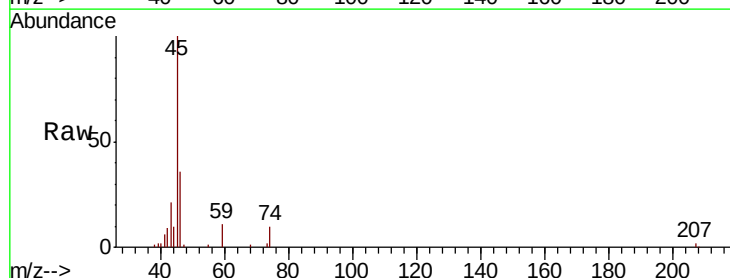
Acq: 18 Sep 2018 18:21

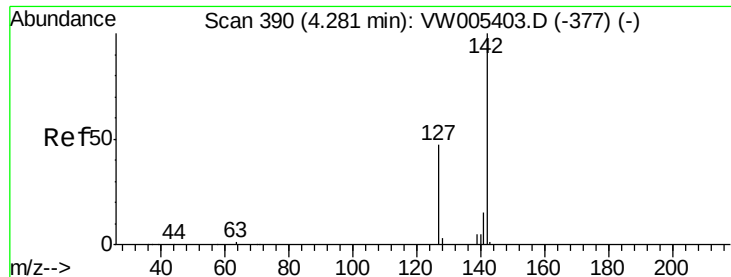
Tgt Ion: 74 Resp: 2642

Ion Ratio Lower Upper

74 100

45 3302.6 53.1 159.3#





#10

Methyl Iodide

Concen: 4.080 ug/l

RT: 4.28 min Scan# 389

Delta R.T. -0.01 min

Lab File: VW005486.D

Acq: 18 Sep 2018 18:21

Instrument :

MSVOA_W

ClientSampleId :

RB47195RT

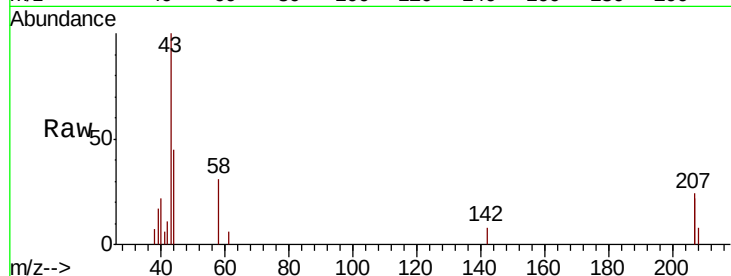
Tgt Ion:142 Resp: 69

Ion Ratio Lower Upper

142 100

127 0.0 37.5 56.3#

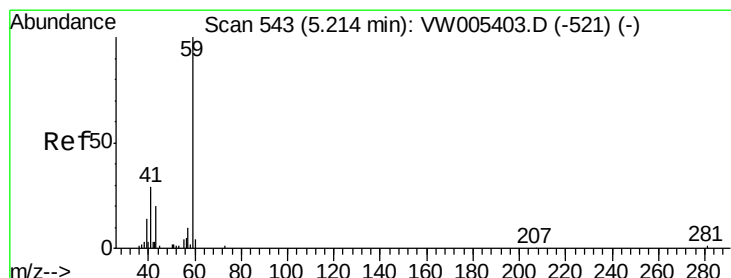
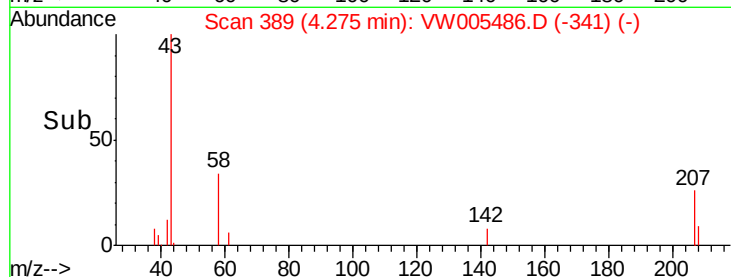
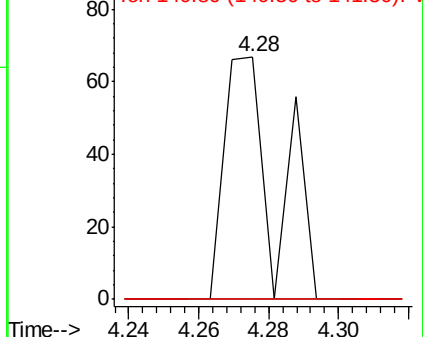
141 0.0 12.4 18.6#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.21 min Scan# 543

Delta R.T. 0.00 min

Lab File: VW005486.D

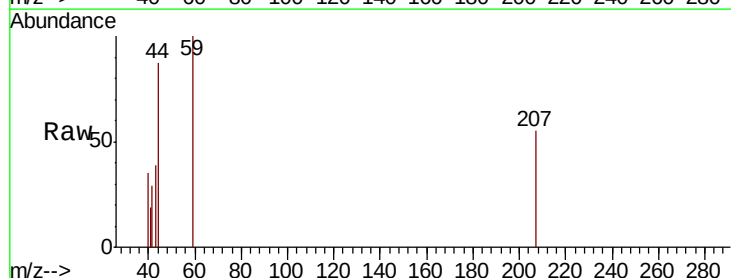
Acq: 18 Sep 2018 18:21

Tgt Ion: 59 Resp: 726

Ion Ratio Lower Upper

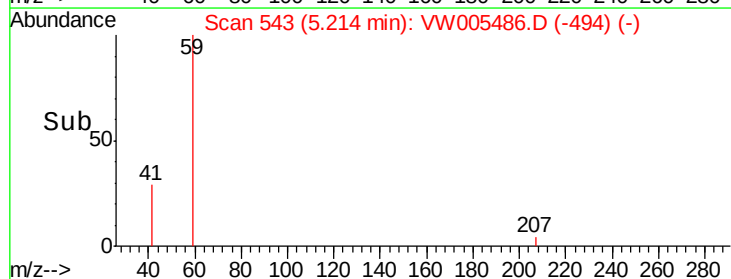
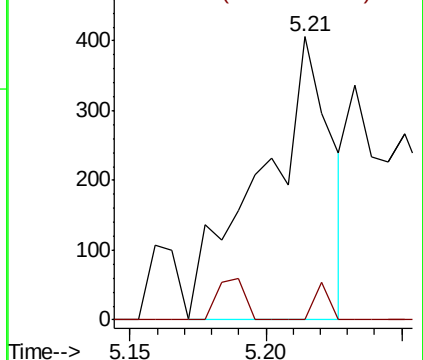
59 100

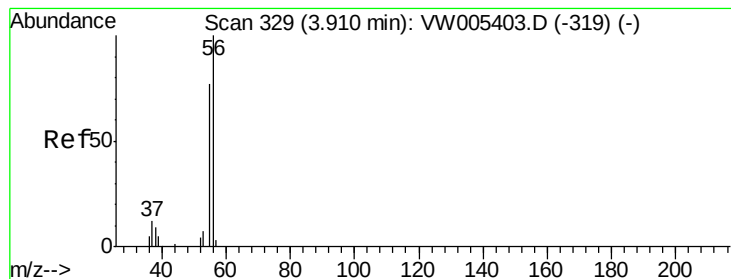
57 2.8 8.6 13.0#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: Below Cal

RT: 3.86 min Scan# 321

Delta R.T. -0.05 min

Lab File: VW005486.D

Acq: 18 Sep 2018 18:21

Instrument :

MSVOA_W

ClientSampleId :

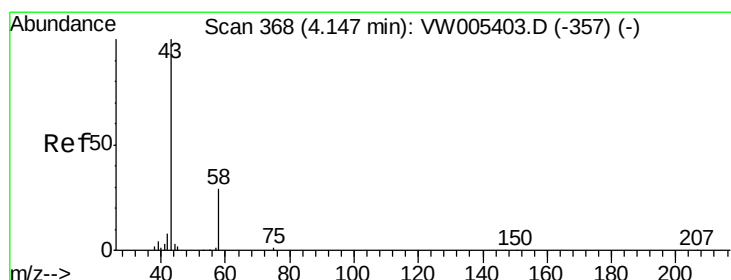
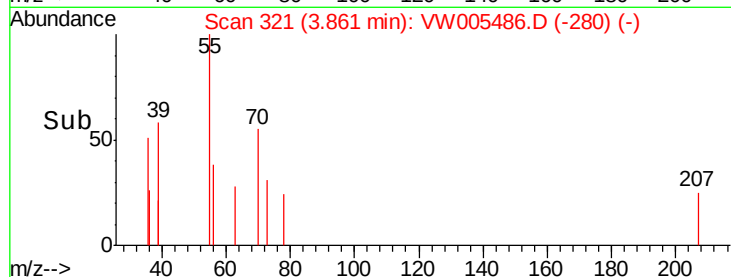
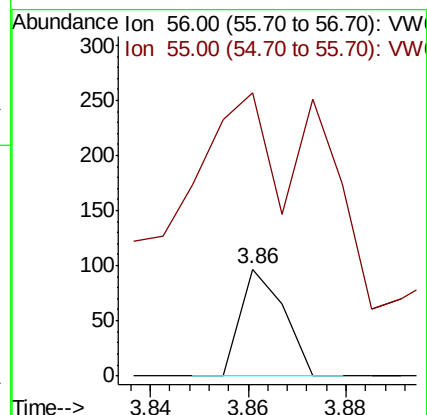
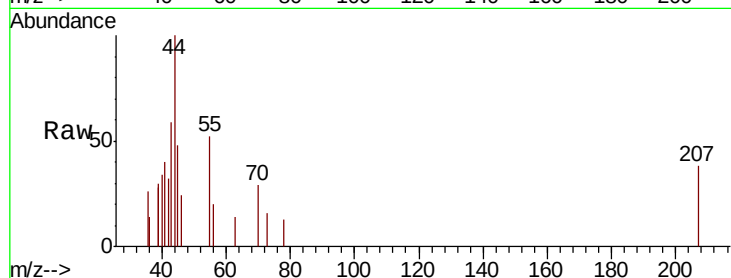
RB47195RT

Tgt Ion: 56 Resp: 59

Ion Ratio Lower Upper

56 100

55 1001.7 59.8 89.8#



#16

Acetone

Concen: 2397.591 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.00 min

Lab File: VW005486.D

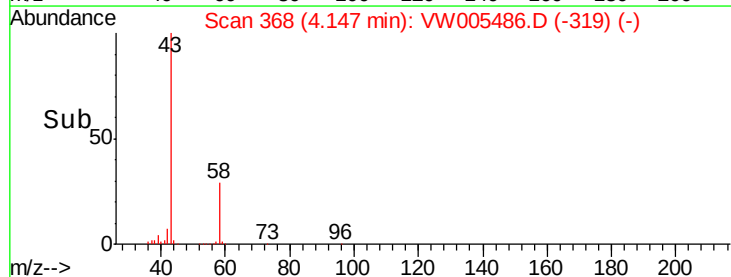
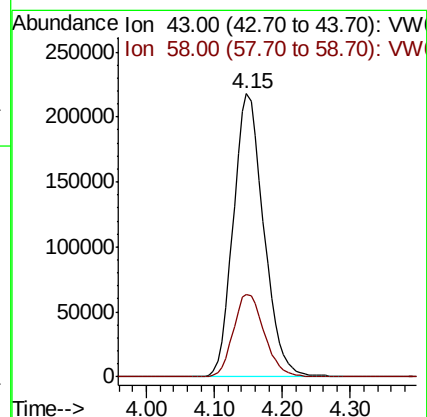
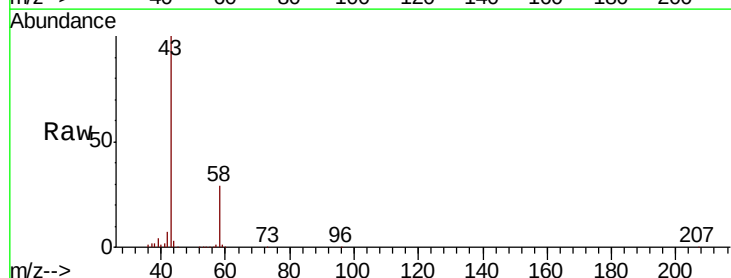
Acq: 18 Sep 2018 18:21

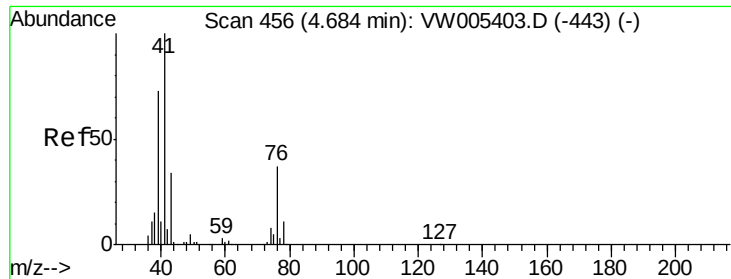
Tgt Ion: 43 Resp: 677574

Ion Ratio Lower Upper

43 100

58 29.2 22.8 34.2

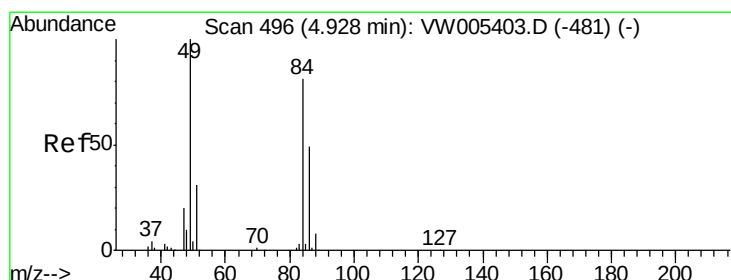
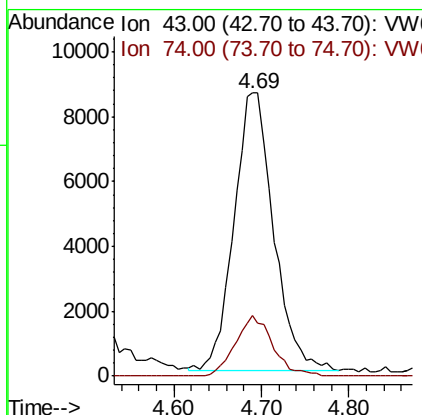
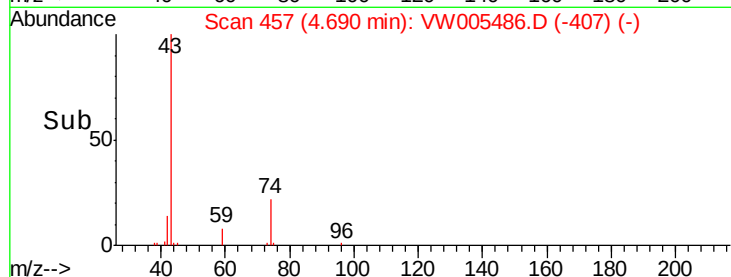
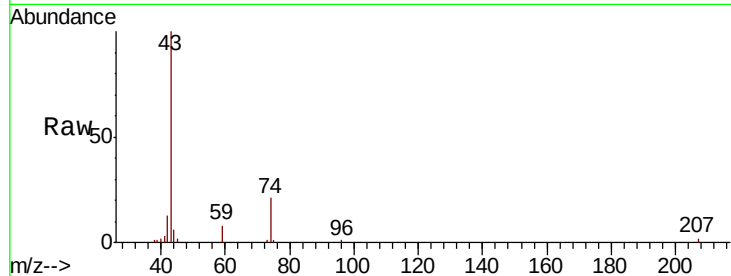




#18
Methyl Acetate
Concen: 26.642 ug/l
RT: 4.69 min Scan# 457
Delta R.T. 0.01 min
Lab File: VW005486.D
Acq: 18 Sep 2018 18:21

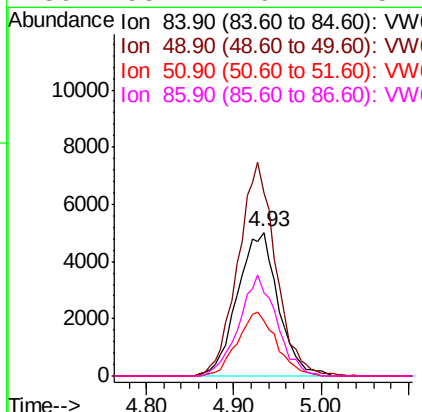
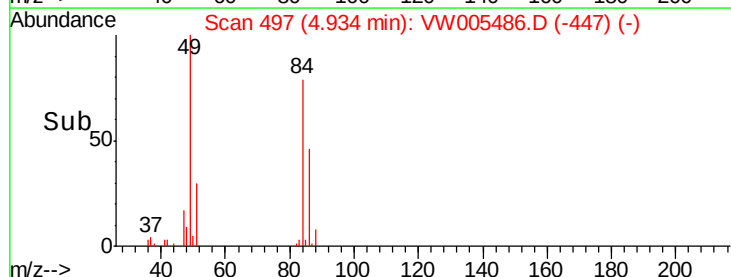
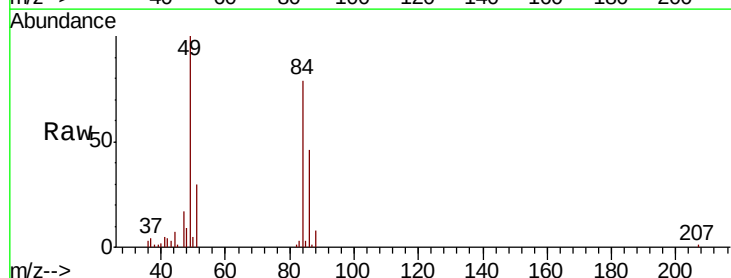
Instrument :
MSVOA_W
ClientSampleId :
RB47195RT

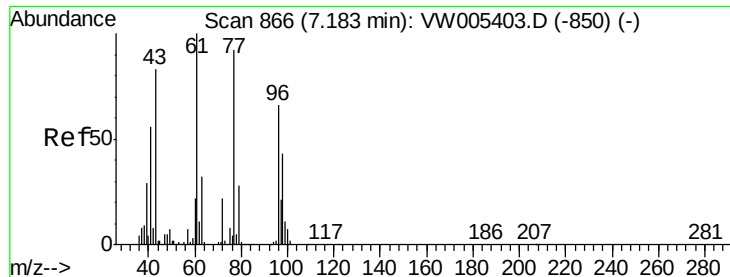
Tgt Ion: 43 Resp: 26895
Ion Ratio Lower Upper
43 100
74 20.6 17.7 26.5



#20
Methylene Chloride
Concen: 2.300 ug/l
RT: 4.93 min Scan# 497
Delta R.T. 0.01 min
Lab File: VW005486.D
Acq: 18 Sep 2018 18:21

Tgt Ion: 84 Resp: 16208
Ion Ratio Lower Upper
84 100
49 127.0 99.3 148.9
51 38.3 31.1 46.7
86 58.2 49.1 73.7





#25

2-Butanone

Concen: 34.583 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.01 min

Lab File: VW005486.D

Acq: 18 Sep 2018 18:21

Instrument :

MSVOA_W

ClientSampleId :

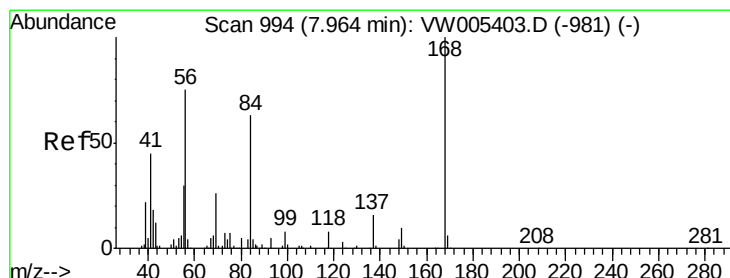
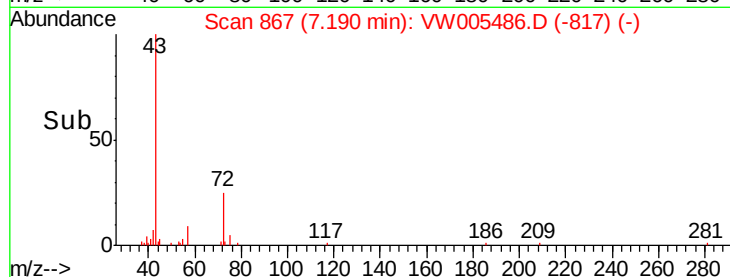
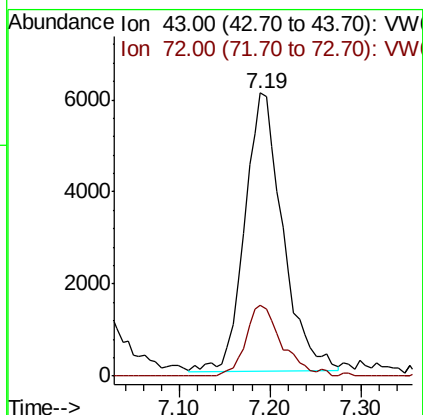
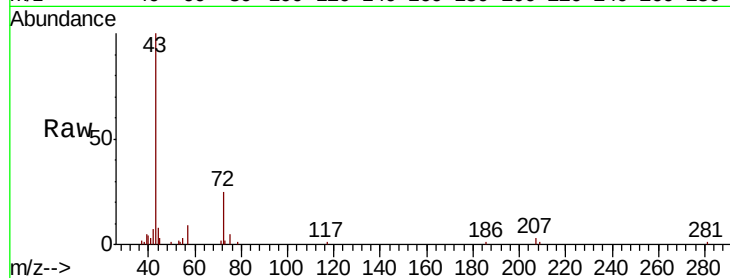
RB47195RT

Tgt Ion: 43 Resp: 17477

Ion Ratio Lower Upper

43 100

72 25.4 21.1 31.7



#31

Cyclohexane

Concen: 1.505 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.01 min

Lab File: VW005486.D

Acq: 18 Sep 2018 18:21

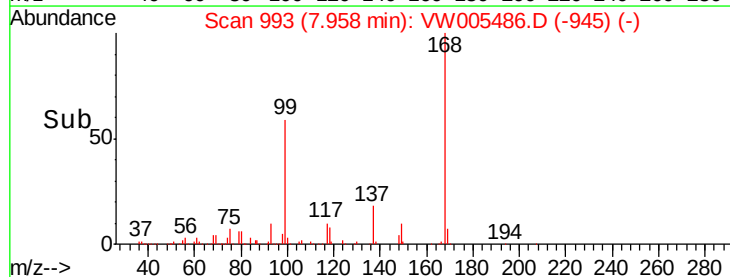
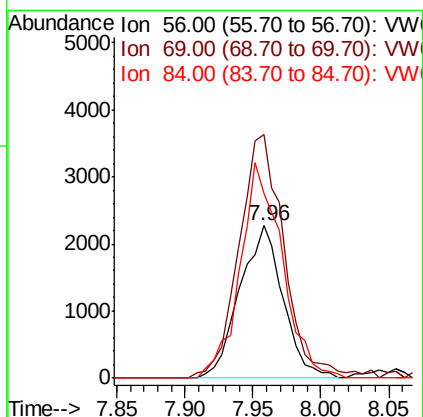
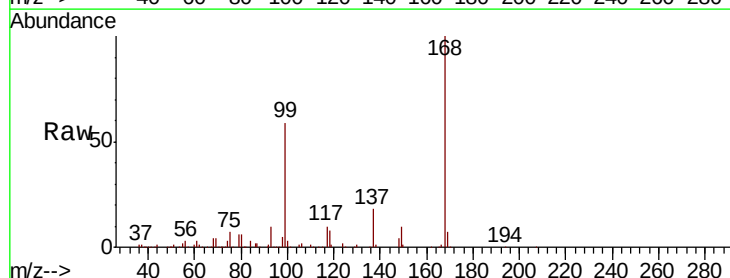
Tgt Ion: 56 Resp: 5047

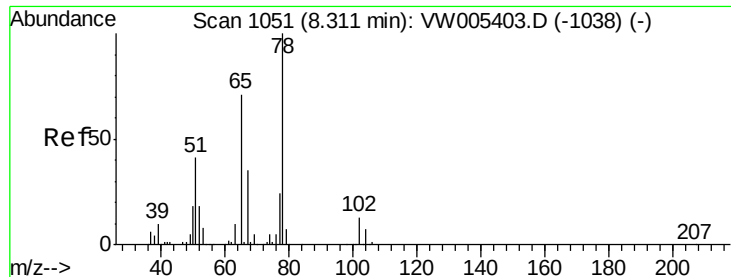
Ion Ratio Lower Upper

56 100

69 159.8 27.2 40.8#

84 121.0 66.7 100.1#

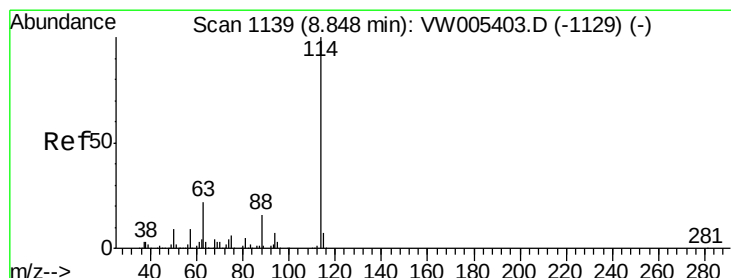
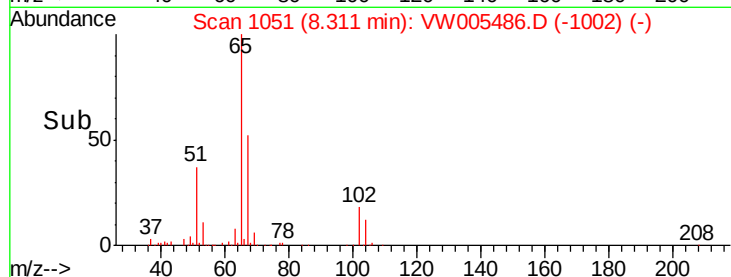
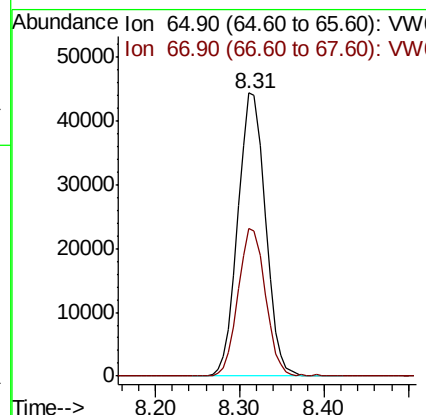
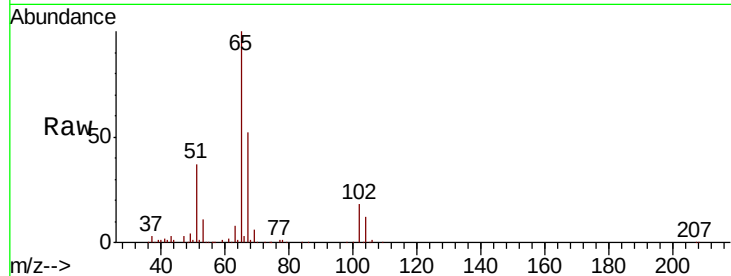




#33
 1,2-Dichloroethane-d4
 Concen: 46.734 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW005486.D
 Acq: 18 Sep 2018 18:21

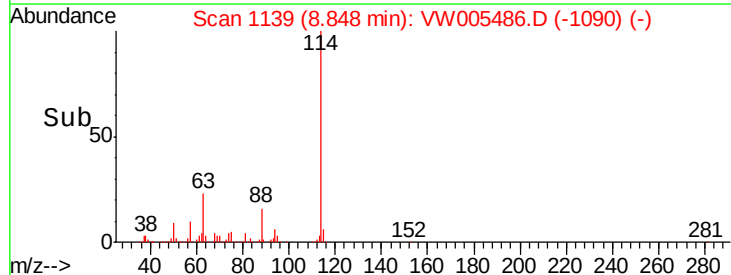
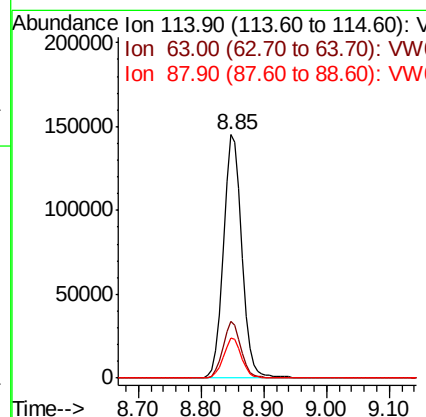
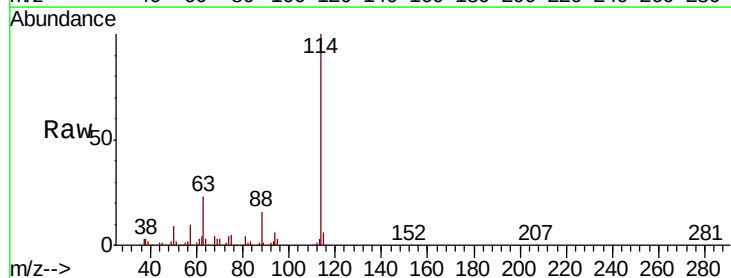
Instrument :
 MSVOA_W
 ClientSampleId :
 RB47195RT

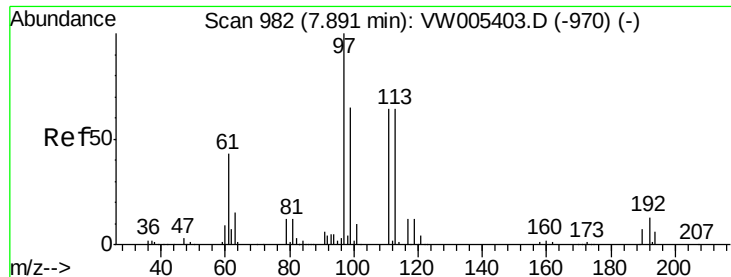
Tgt Ion: 65 Resp: 98180
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW005486.D
 Acq: 18 Sep 2018 18:21

Tgt Ion: 114 Resp: 294298
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 43.4
 88 16.3 0.0 31.8

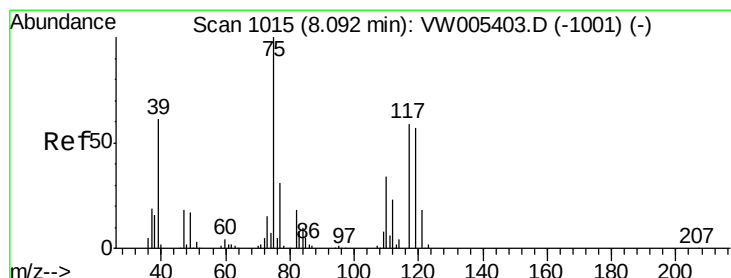
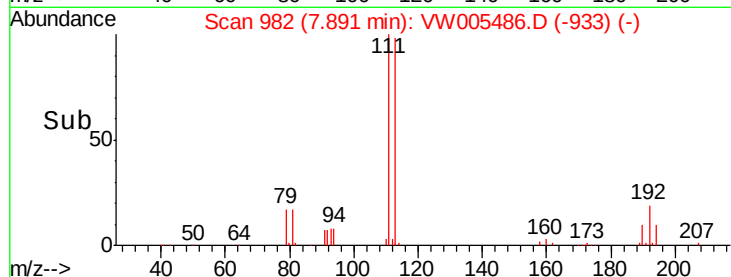
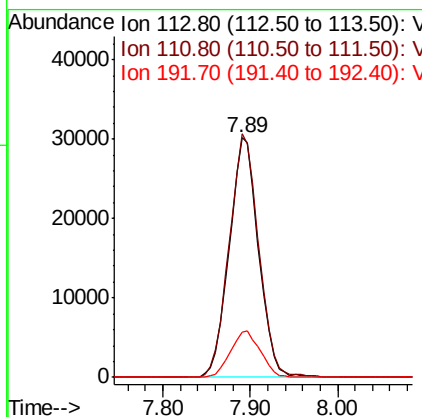
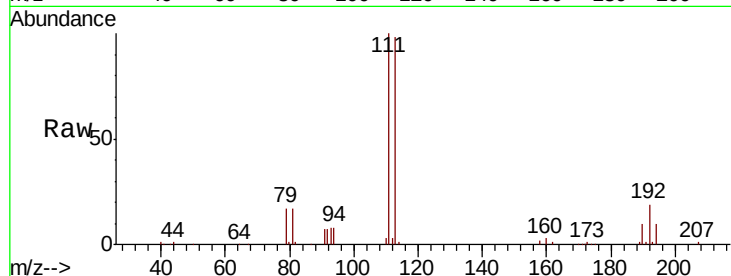




#35
 Dibromofluoromethane
 Concen: 42.563 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VW005486.D
 Acq: 18 Sep 2018 18:21

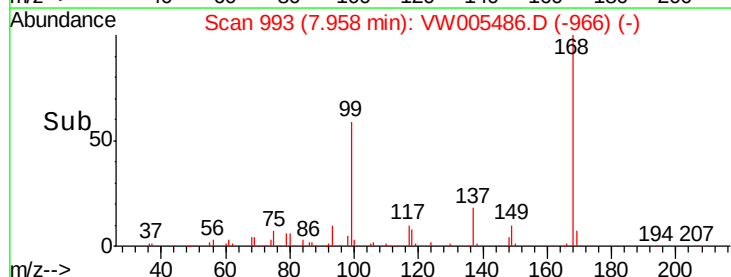
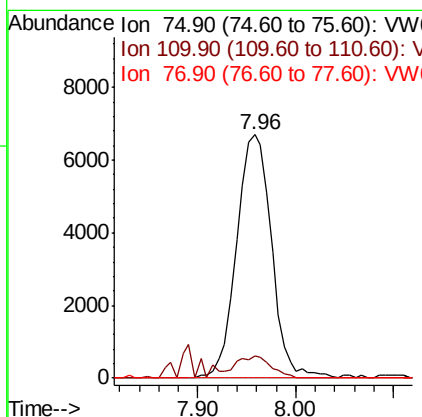
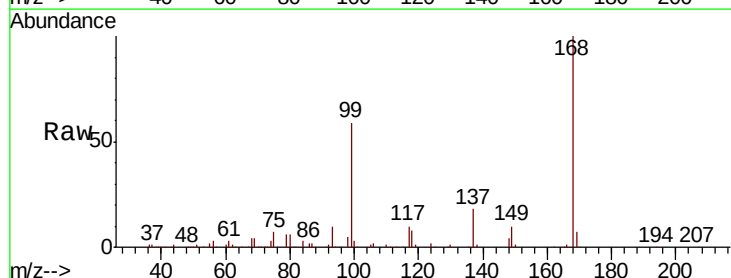
Instrument :
 MSVOA_W
 ClientSampleId :
 RB47195RT

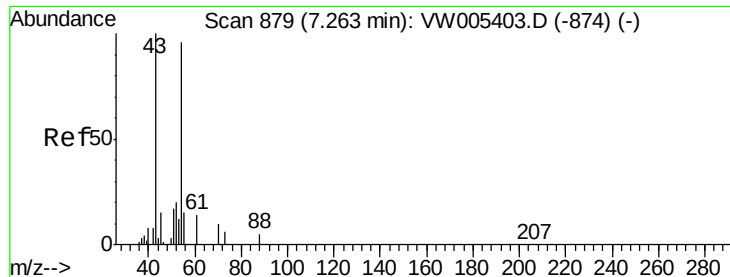
Tgt Ion:113 Resp: 70232
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.3 123.5
 192 19.7 16.5 24.7



#36
 1,1-Dichloropropene
 Concen: 5.953 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VW005486.D
 Acq: 18 Sep 2018 18:21

Tgt Ion: 75 Resp: 16581
 Ion Ratio Lower Upper
 75 100
 110 8.9 16.8 50.4#
 77 0.0 24.2 36.4#

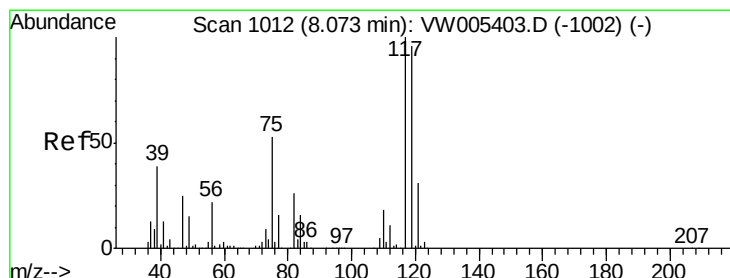
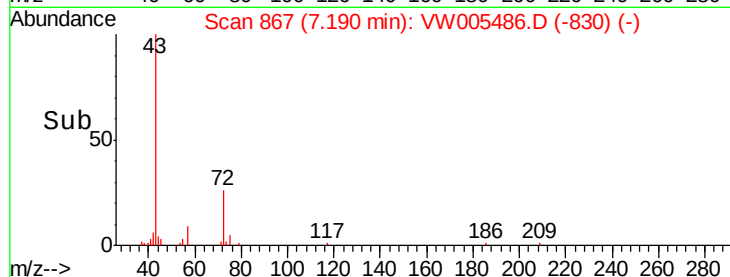
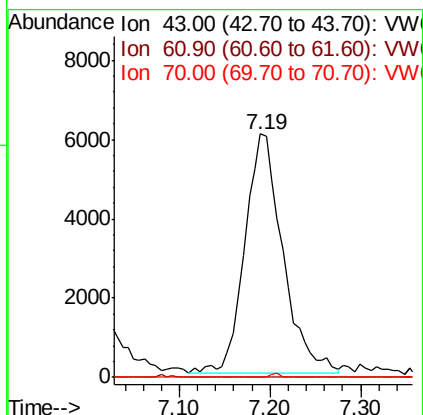
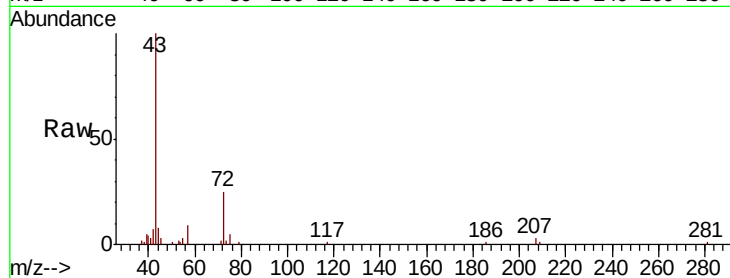




#37
 Ethyl Acetate
 Concen: 15.387 ug/l
 RT: 7.19 min Scan# 867
 Delta R.T. -0.07 min
 Lab File: VW005486.D
 Acq: 18 Sep 2018 18:21

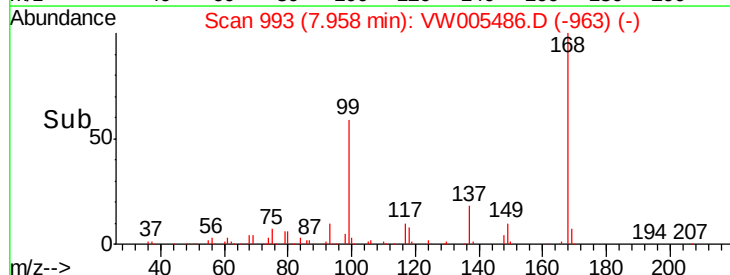
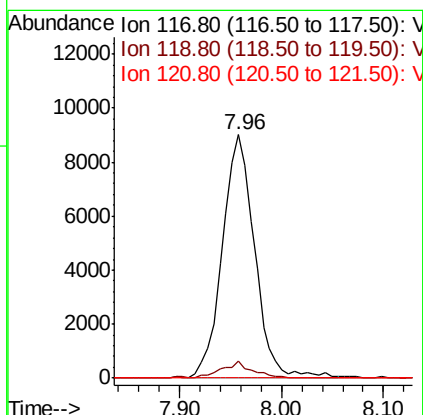
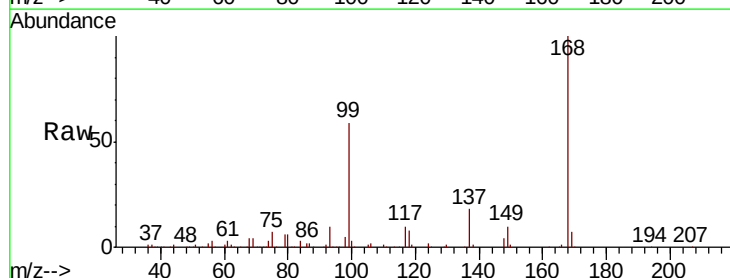
Instrument :
 MSVOA_W
 ClientSampleId :
 RB47195RT

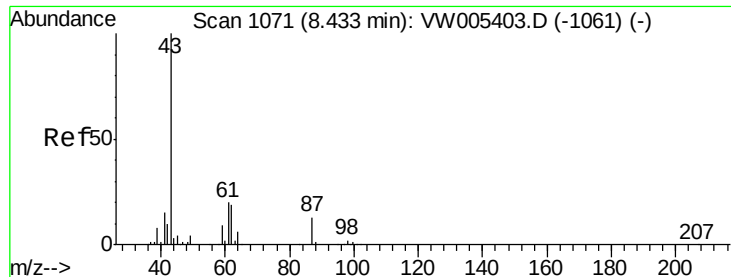
Tgt Ion: 43 Resp: 17428
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.3 16.9#
 70 0.3 8.2 12.4#



#38
 Carbon Tetrachloride
 Concen: 6.815 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.12 min
 Lab File: VW005486.D
 Acq: 18 Sep 2018 18:21

Tgt Ion: 117 Resp: 19778
 Ion Ratio Lower Upper
 117 100
 119 6.8 76.8 115.2#
 121 0.0 24.7 37.1#





#43

Isopropyl Acetate

Concen: 1.022 ug/l

RT: 8.56 min Scan# 1092

Delta R.T. 0.13 min

Lab File: VW005486.D

Acq: 18 Sep 2018 18:21

Instrument :

MSVOA_W

ClientSampled :

RB47195RT

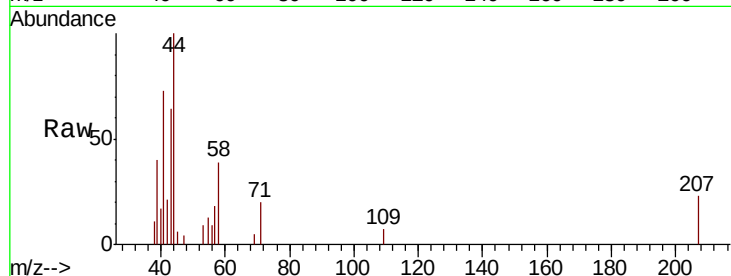
Tgt Ion: 43 Resp: 2259

Ion Ratio Lower Upper

43 100

61 0.0 23.8 35.6#

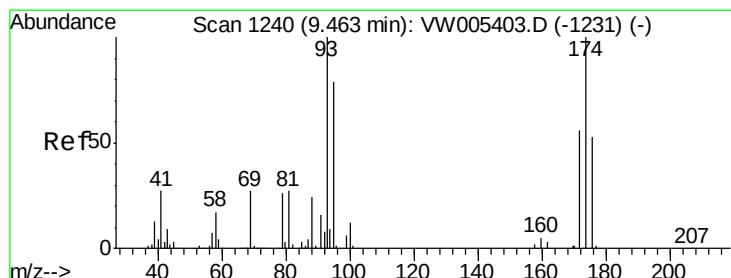
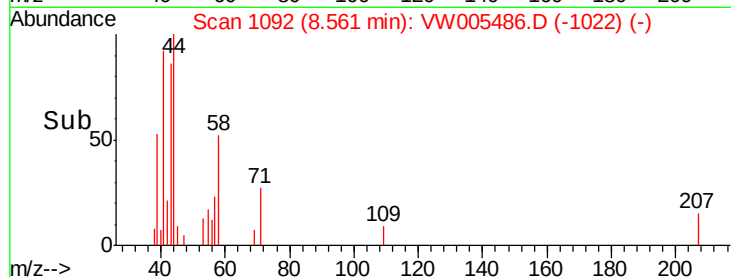
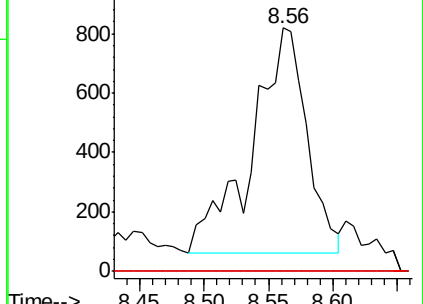
87 0.0 10.1 15.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#46

Dibromomethane

Concen: 3.500 ug/l

RT: 9.48 min Scan# 1243

Delta R.T. 0.02 min

Lab File: VW005486.D

Acq: 18 Sep 2018 18:21

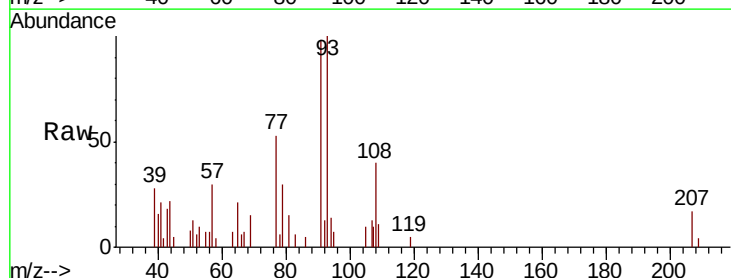
Tgt Ion: 93 Resp: 3319

Ion Ratio Lower Upper

93 100

95 5.7 65.4 98.0#

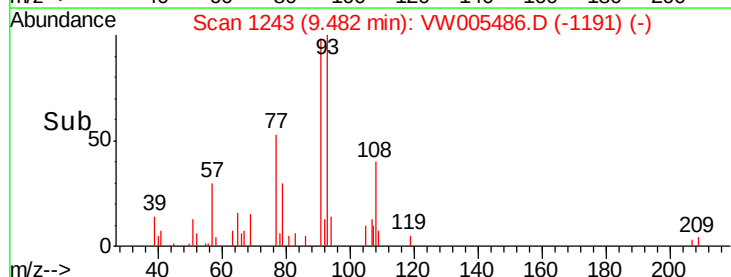
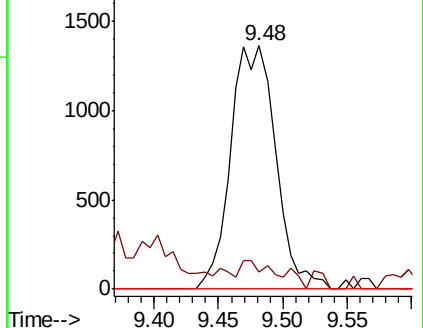
174 0.0 83.4 125.2#

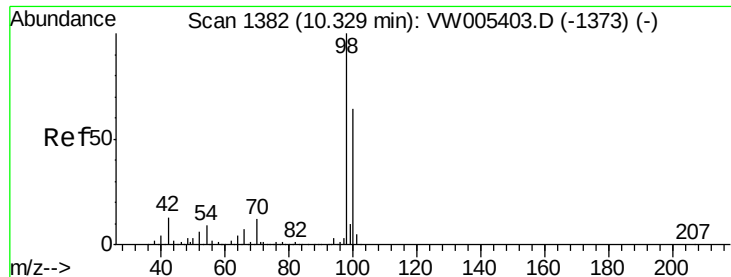


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#50

Toluene-d8

Concen: 32.039 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW005486.D

Acq: 18 Sep 2018 18:21

Instrument :

MSVOA_W

ClientSampleId :

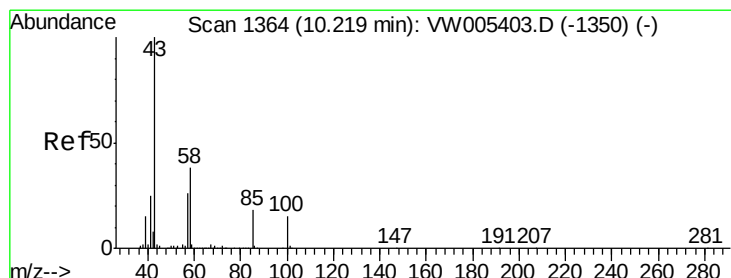
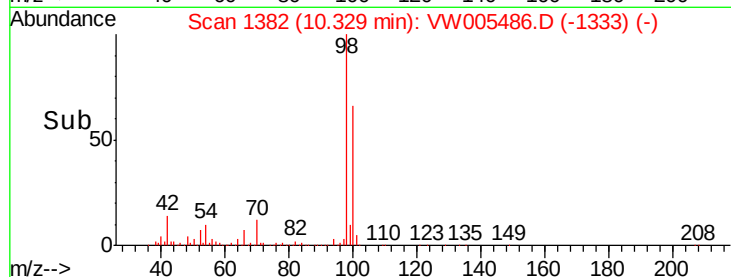
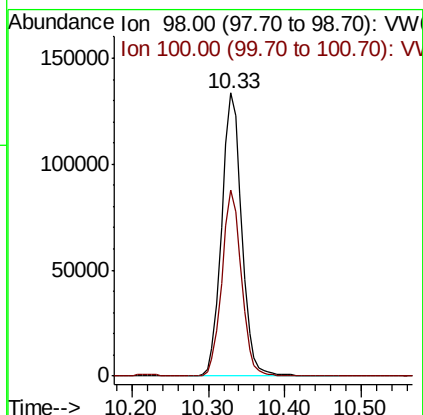
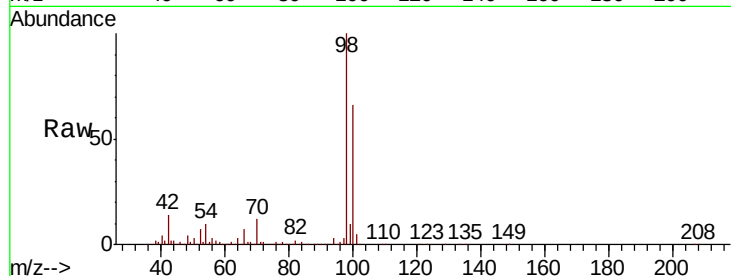
RB47195RT

Tgt Ion: 98 Resp: 242108

Ion Ratio Lower Upper

98 100

100 64.1 51.4 77.0



#51

4-Methyl-2-Pentanone

Concen: 10.506 ug/l

RT: 10.22 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VW005486.D

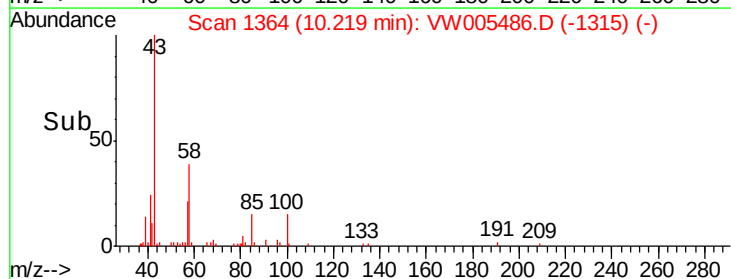
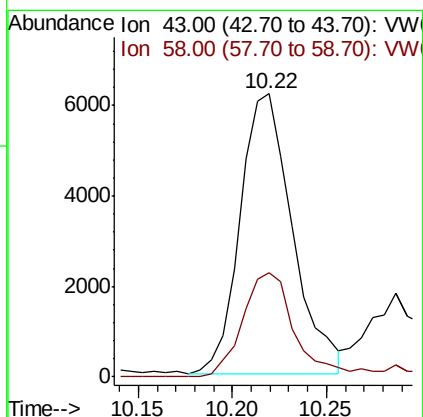
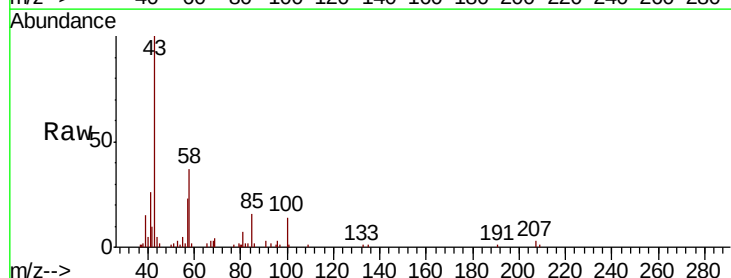
Acq: 18 Sep 2018 18:21

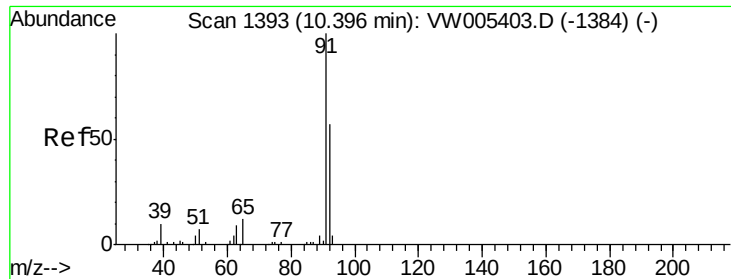
Tgt Ion: 43 Resp: 11955

Ion Ratio Lower Upper

43 100

58 37.1 29.9 44.9





#52

Toluene

Concen: 16.854 ug/l

RT: 10.40 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW005486.D

Acq: 18 Sep 2018 18:21

Instrument :

MSVOA_W

ClientSampleId :

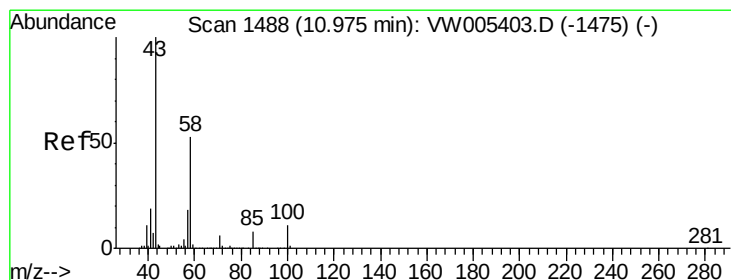
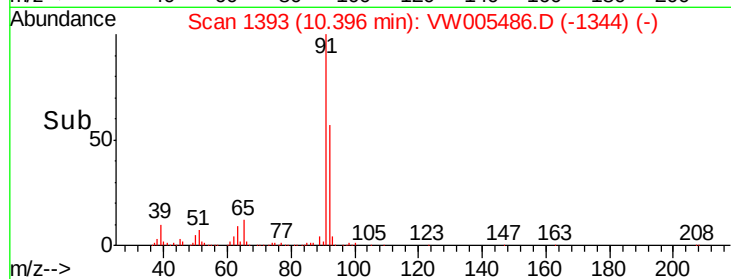
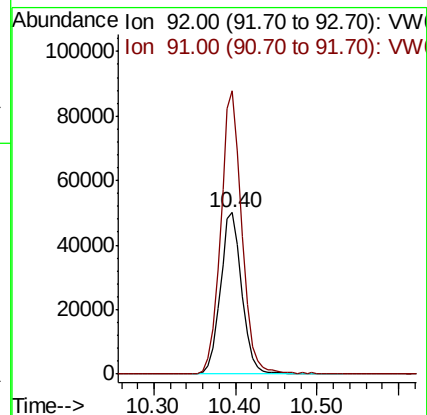
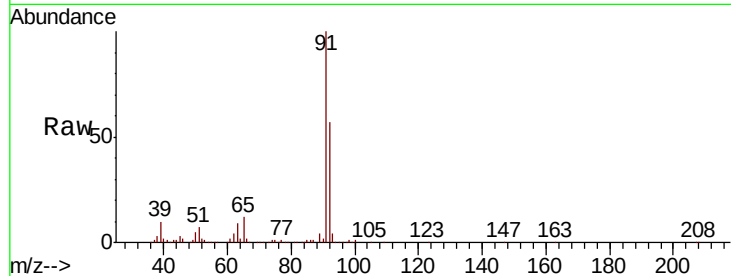
RB47195RT

Tgt Ion: 92 Resp: 92090

Ion Ratio Lower Upper

92 100

91 172.5 139.1 208.7



#59

2-Hexanone

Concen: 2.782 ug/l

RT: 10.94 min Scan# 1483

Delta R.T. -0.03 min

Lab File: VW005486.D

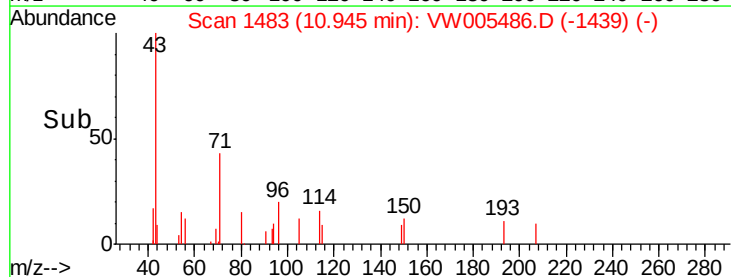
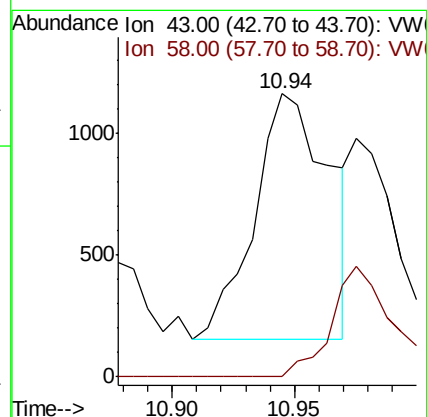
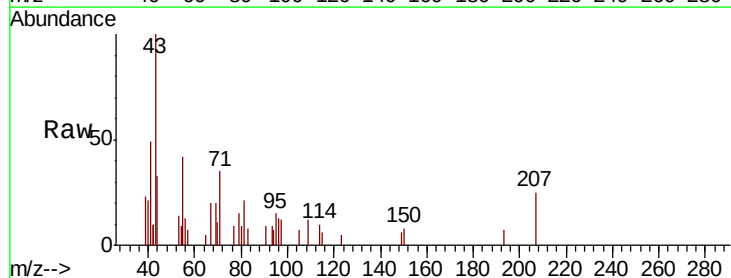
Acq: 18 Sep 2018 18:21

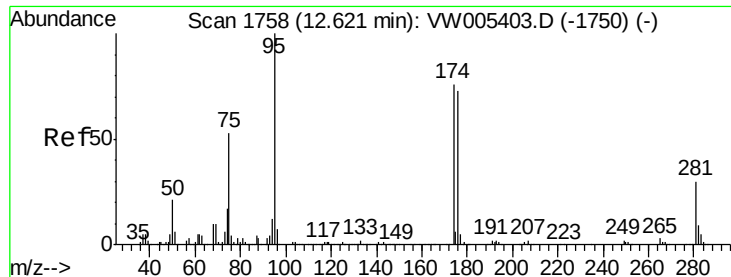
Tgt Ion: 43 Resp: 2156

Ion Ratio Lower Upper

43 100

58 0.0 25.5 76.5#

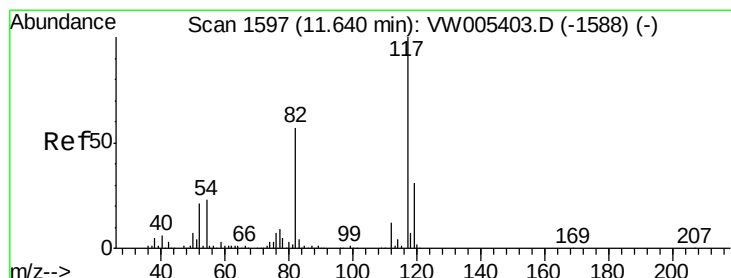
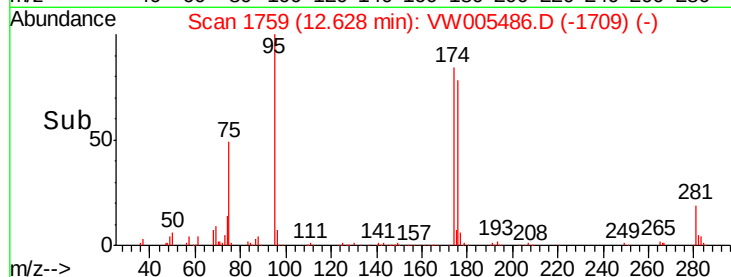
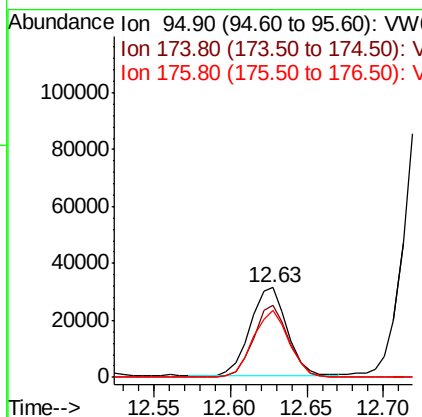
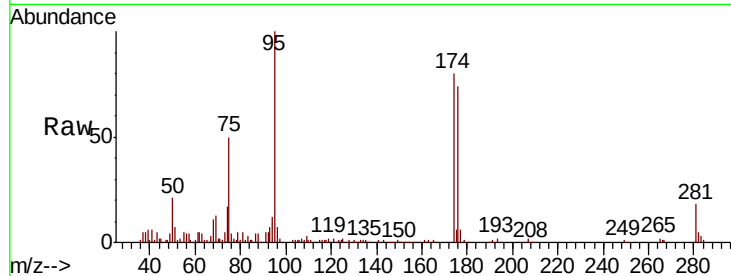




#62
4-Bromofluorobenzene
Concen: 18.540 ug/l
RT: 12.63 min Scan# 1759
Delta R.T. 0.01 min
Lab File: VW005486.D
Acq: 18 Sep 2018 18:21

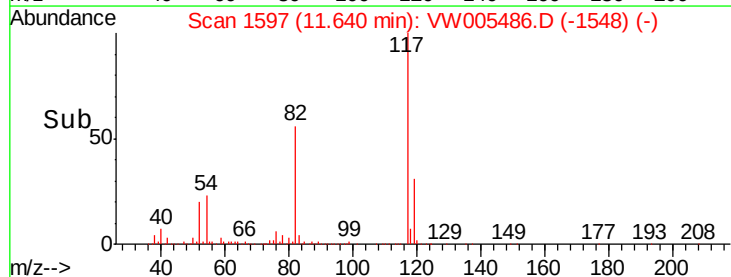
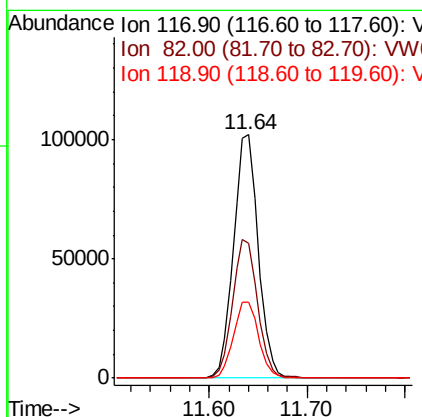
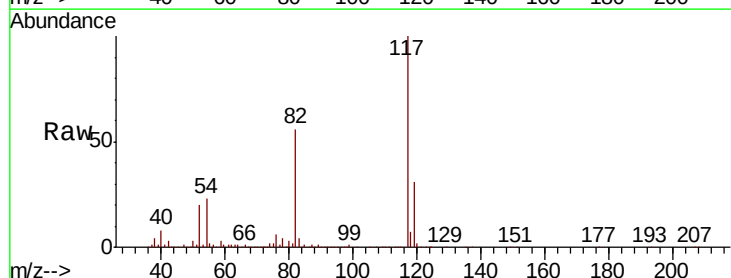
Instrument :
MSVOA_W
ClientSampleId :
RB47195RT

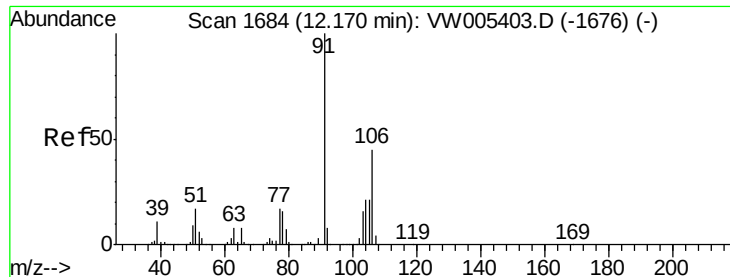
Tgt Ion: 95 Resp: 51369
Ion Ratio Lower Upper
95 100
174 78.4 0.0 161.2
176 74.5 0.0 156.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VW005486.D
Acq: 18 Sep 2018 18:21

Tgt Ion: 117 Resp: 178558
Ion Ratio Lower Upper
117 100
82 55.5 45.9 68.9
119 31.1 24.8 37.2

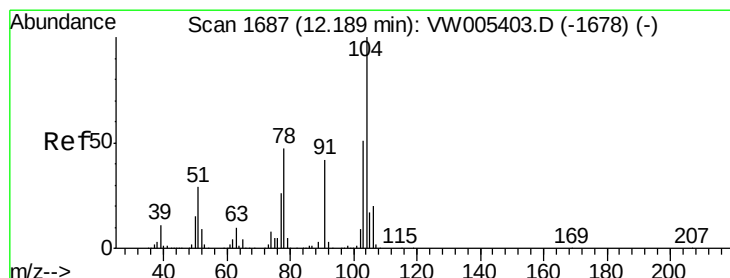
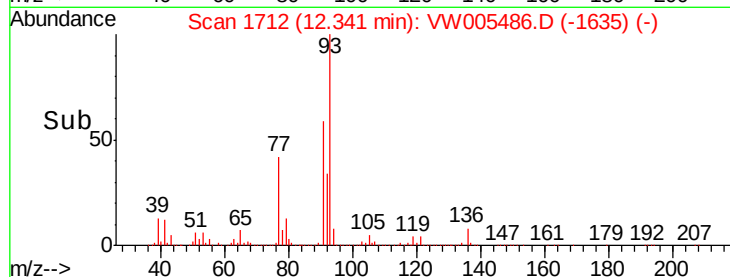
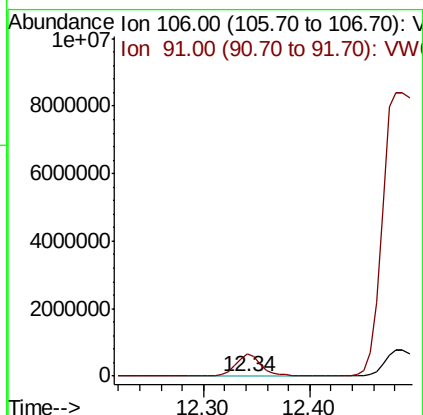
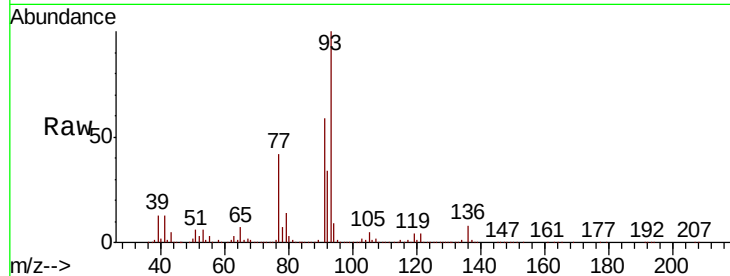




#69
o-Xylene
Concen: 11.896 ug/l
RT: 12.34 min Scan# 1712
Delta R.T. 0.17 min
Lab File: VW005486.D
Acq: 18 Sep 2018 18:21

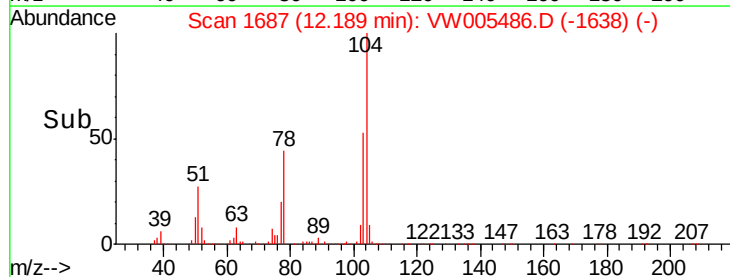
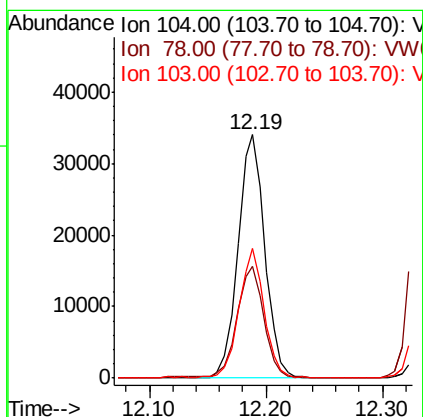
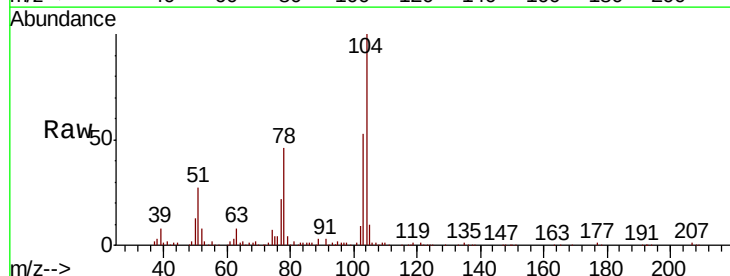
Instrument :
MSVOA_W
ClientSampled :
RB47195RT

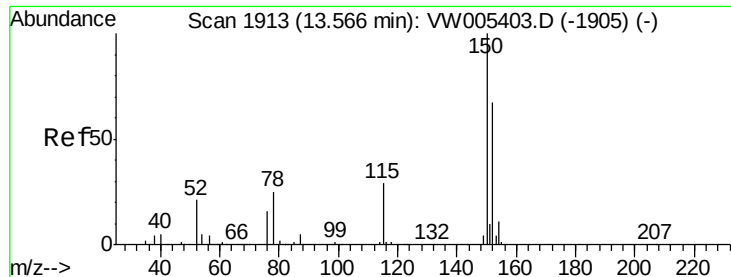
Tgt Ion:106 Resp: 28413
Ion Ratio Lower Upper
106 100
91 3889.9 110.6 331.6#



#70
Styrene
Concen: 13.816 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VW005486.D
Acq: 18 Sep 2018 18:21

Tgt Ion:104 Resp: 54459
Ion Ratio Lower Upper
104 100
78 0.0 42.4 63.6#
103 50.6 44.8 67.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW005486.D

Acq: 18 Sep 2018 18:21

Instrument :

MSVOA_W

ClientSampleId :

RB47195RT

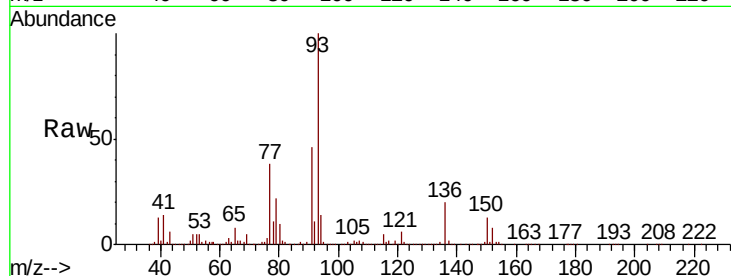
Tgt Ion:152 Resp: 52904

Ion Ratio Lower Upper

152 100

115 76.3 29.5 88.5

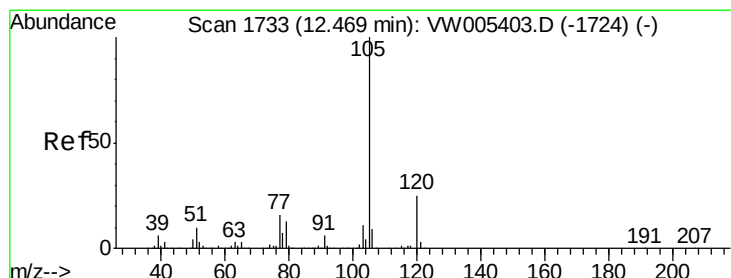
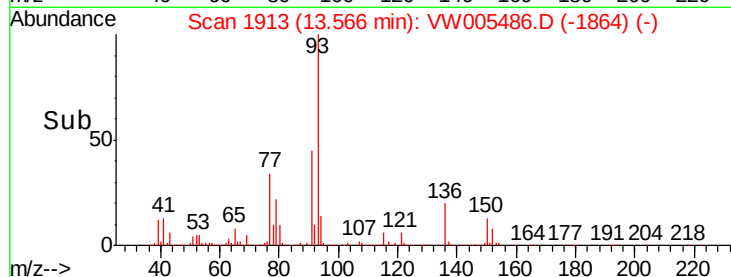
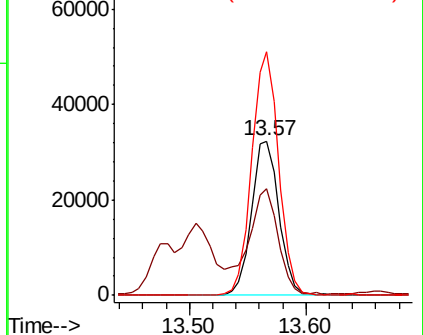
150 154.7 0.0 345.6



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: 1519.739 ug/l

RT: 12.49 min Scan# 1736

Delta R.T. 0.02 min

Lab File: VW005486.D

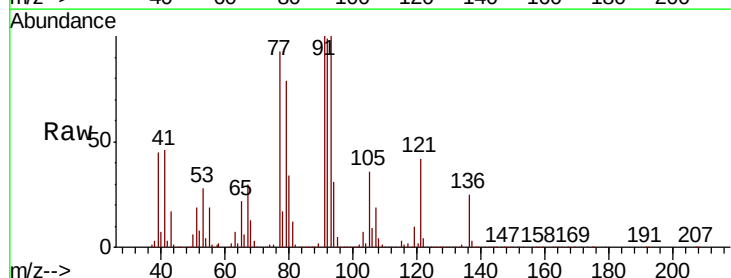
Acq: 18 Sep 2018 18:21

Tgt Ion:105 Resp: 5640731

Ion Ratio Lower Upper

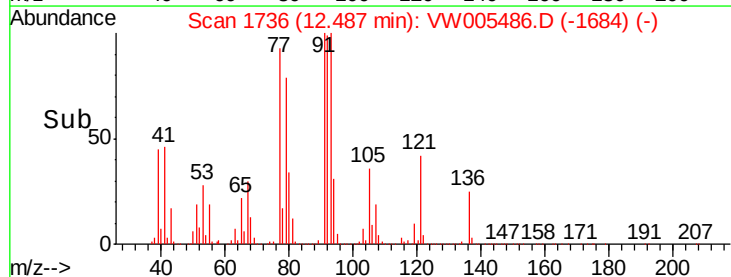
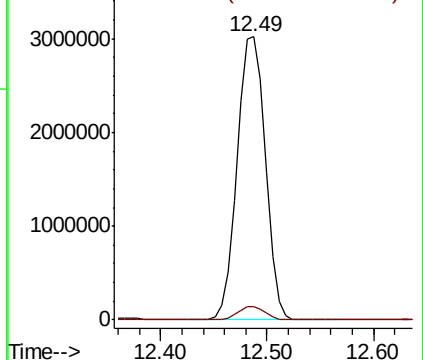
105 100

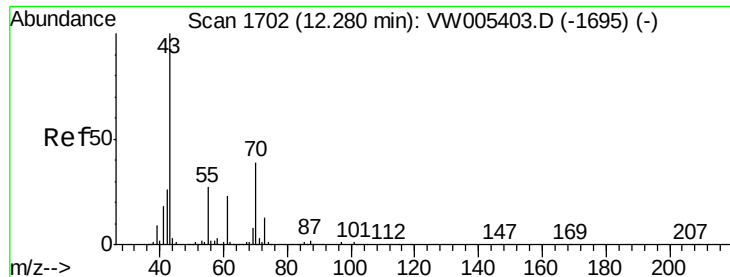
120 4.6 12.9 38.6#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-ethyl acetate

Concen: 137.046 ug/l

RT: 12.34 min Scan# 1712

Delta R.T. 0.06 min

Lab File: VW005486.D

Acq: 18 Sep 2018 18:21

Instrument :

MSVOA_W

ClientSampleID :

RB47195RT

Tgt Ion: 43 Resp: 107187

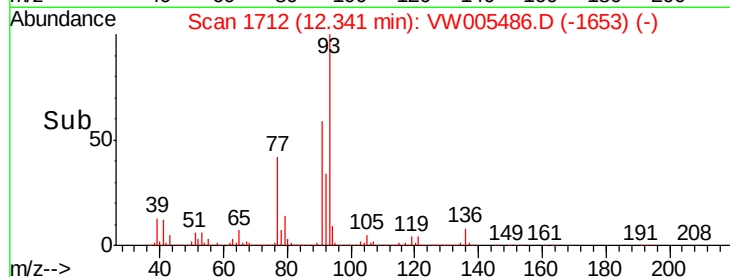
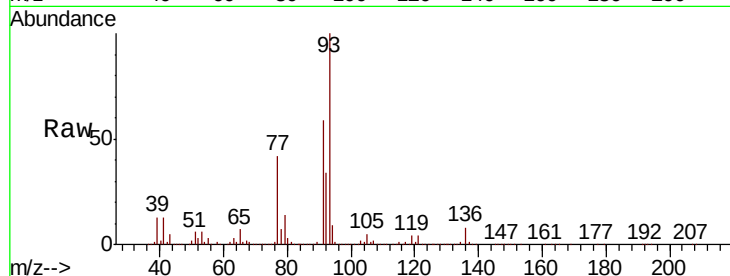
Ion Ratio Lower Upper

43 100

70 0.0 31.9 47.9#

55 0.0 21.4 32.0#

61 3.4 18.3 27.5#

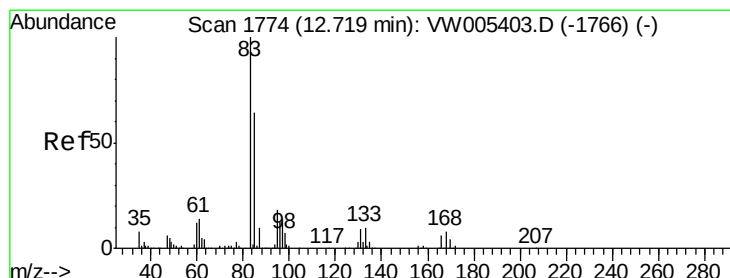
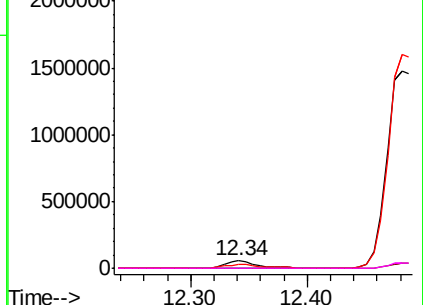


Abundance Ion 43.00 (42.70 to 43.70): VW

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



#75

1,1,2,2-Tetrachloroethane

Concen: 9.785 ug/l

RT: 12.73 min Scan# 1775

Delta R.T. 0.01 min

Lab File: VW005486.D

Acq: 18 Sep 2018 18:21

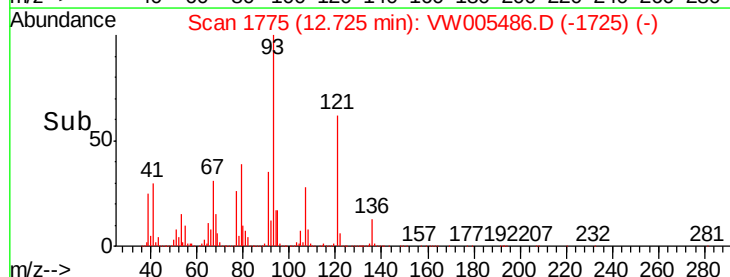
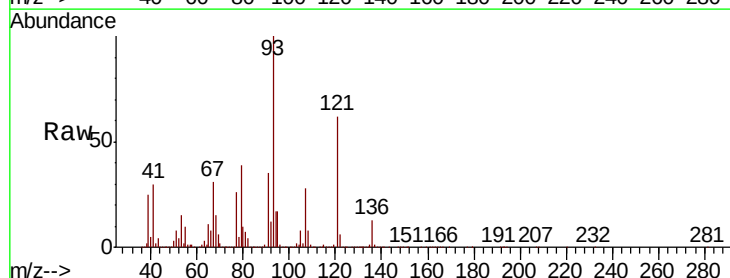
Tgt Ion: 83 Resp: 5298

Ion Ratio Lower Upper

83 100

131 11.8 5.7 17.1

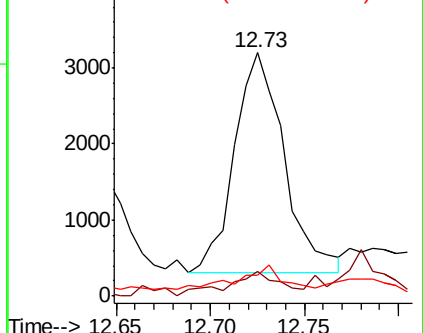
85 11.6 31.6 95.0#

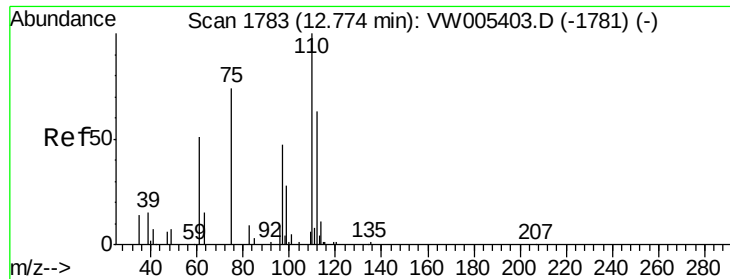


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW

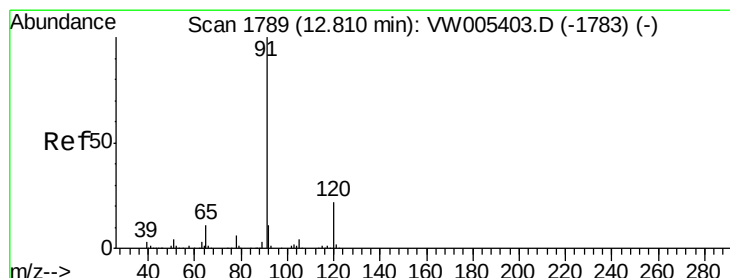
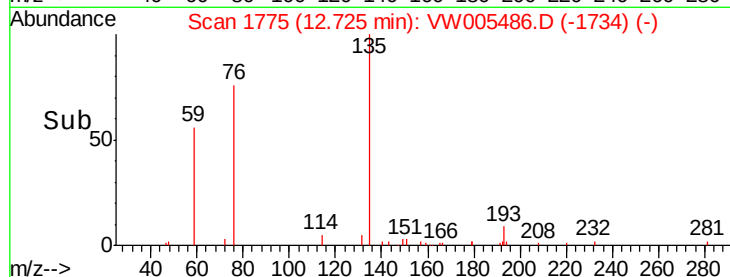
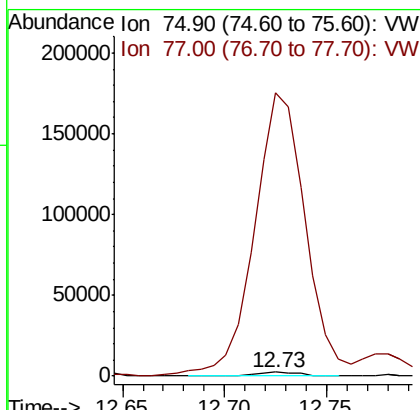
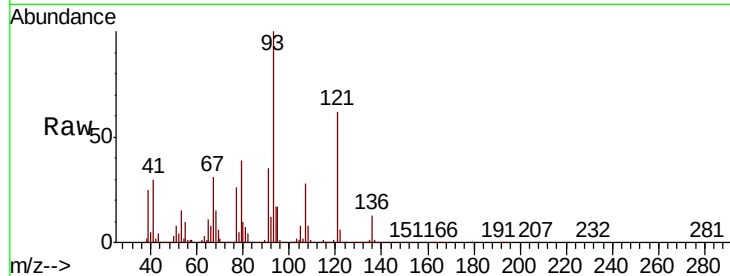




#76
 1,2,3-Trichloropropane
 Concen: 9.675 ug/l
 RT: 12.73 min Scan# 1775
 Delta R.T. -0.05 min
 Lab File: VW005486.D
 Acq: 18 Sep 2018 18:21

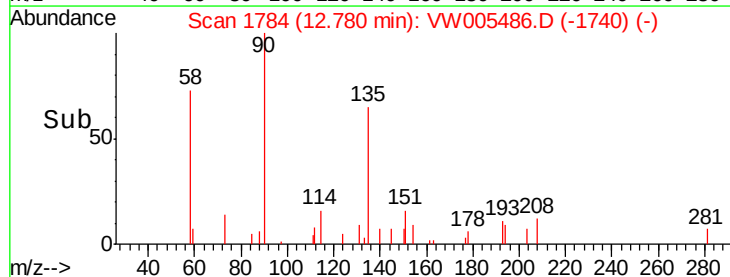
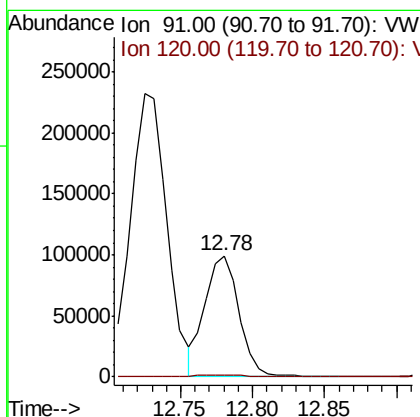
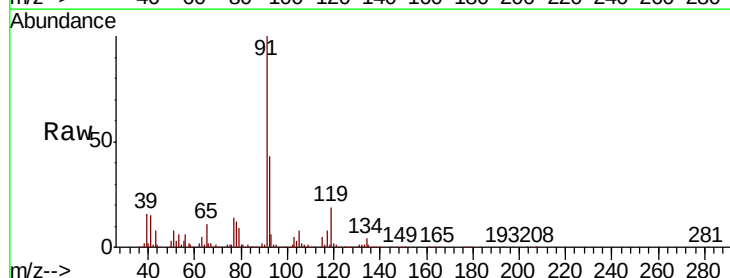
Instrument :
 MSVOA_W
 ClientSampleId :
 RB47195RT

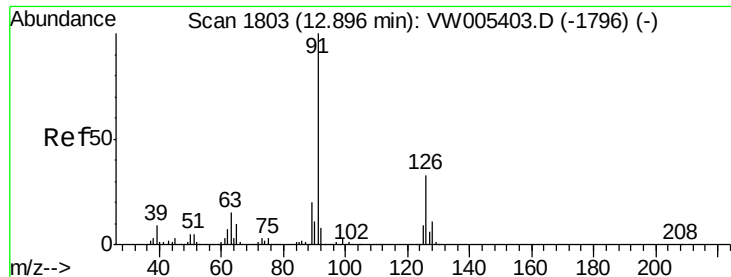
Tgt Ion: 75 Resp: 4210
 Ion Ratio Lower Upper
 75 100
 77 7215.1 0.0 0.0#



#78
 n-propylbenzene
 Concen: 36.004 ug/l
 RT: 12.78 min Scan# 1784
 Delta R.T. -0.03 min
 Lab File: VW005486.D
 Acq: 18 Sep 2018 18:21

Tgt Ion: 91 Resp: 161278
 Ion Ratio Lower Upper
 91 100
 120 2.7 11.3 33.8#





#79

2-Chlorotoluene

Concen: 140.864 ug/l

RT: 12.96 min Scan# 1814

Delta R.T. 0.07 min

Lab File: VW005486.D

Acq: 18 Sep 2018 18:21

Instrument :

MSVOA_W

ClientSampled :

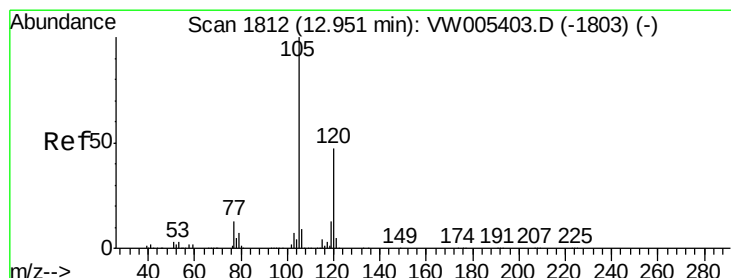
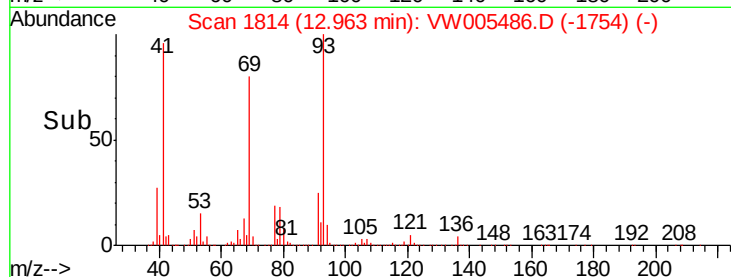
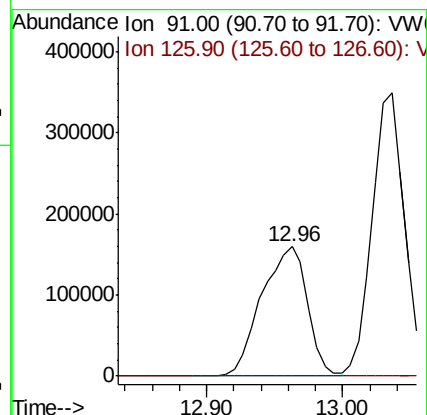
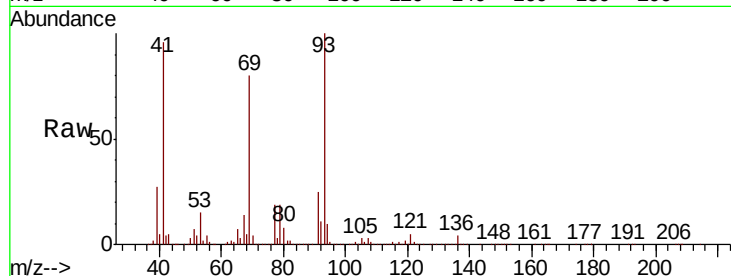
RB47195RT

Tgt Ion: 91 Resp: 372258

Ion Ratio Lower Upper

91 100

126 0.0 16.4 49.1#



#80

1,3,5-Trimethylbenzene

Concen: 1.075 ug/l

RT: 13.11 min Scan# 1838

Delta R.T. 0.16 min

Lab File: VW005486.D

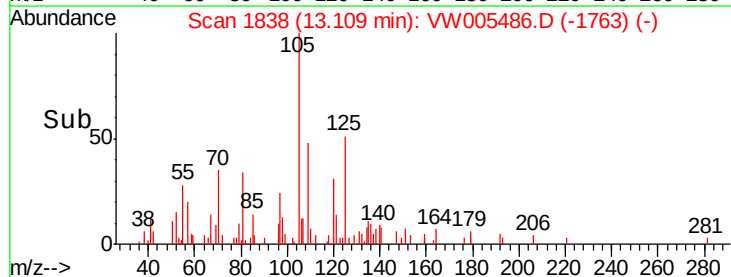
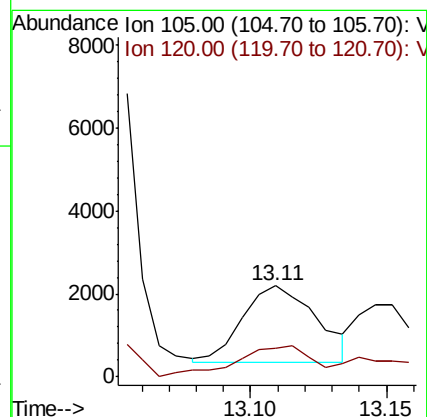
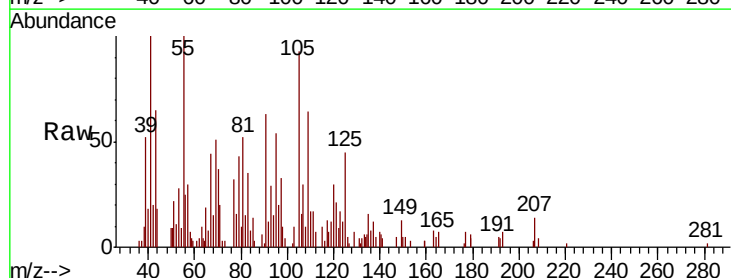
Acq: 18 Sep 2018 18:21

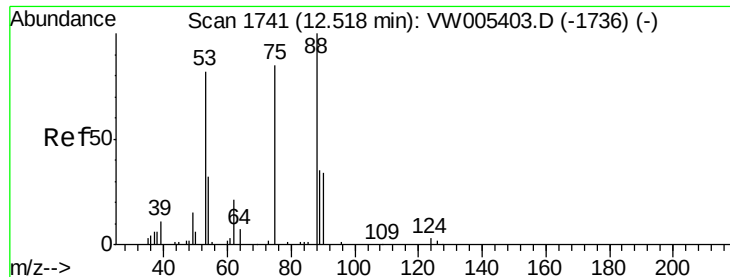
Tgt Ion: 105 Resp: 3483

Ion Ratio Lower Upper

105 100

120 40.2 23.5 70.5





#81

trans-1,4-Dichloro-2-butene

Concen: 1006.503 ug/l

RT: 12.49 min Scan# 1736

Delta R.T. -0.03 min

Lab File: VW005486.D

Acq: 18 Sep 2018 18:21

Instrument :

MSVOA_W

ClientSampleId :

RB47195RT

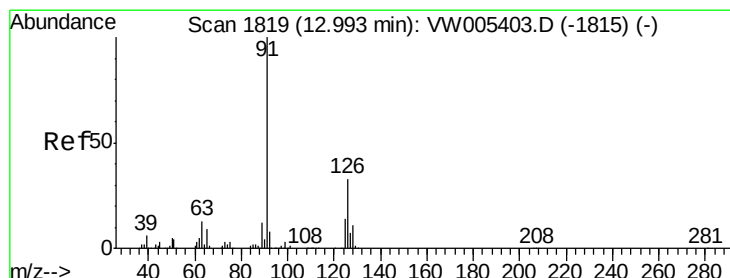
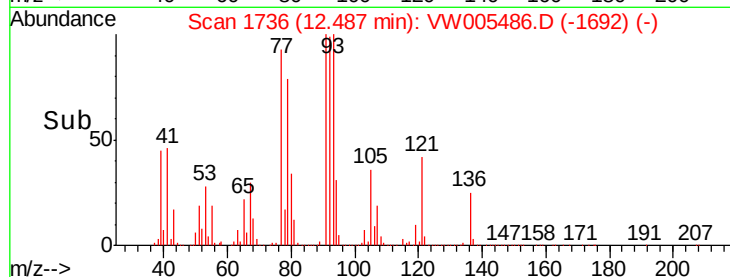
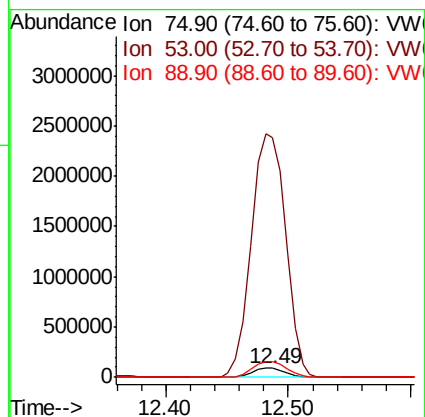
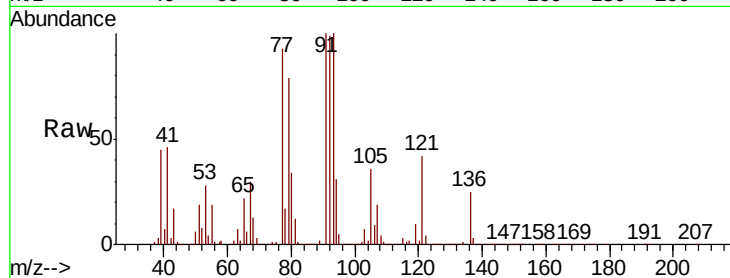
Tgt Ion: 75 Resp: 168829

Ion Ratio Lower Upper

75 100

53 2808.5 83.2 124.8#

89 184.7 36.6 54.8#



#82

4-Chlorotoluene

Concen: 133.429 ug/l

RT: 12.96 min Scan# 1814

Delta R.T. -0.03 min

Lab File: VW005486.D

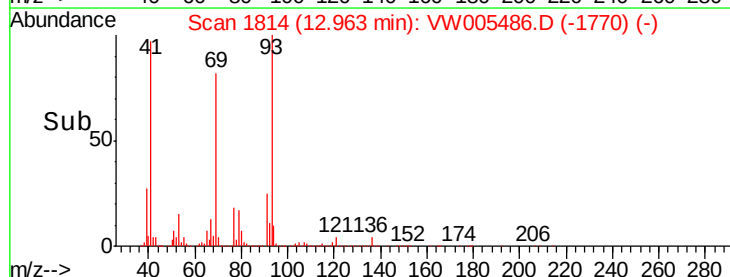
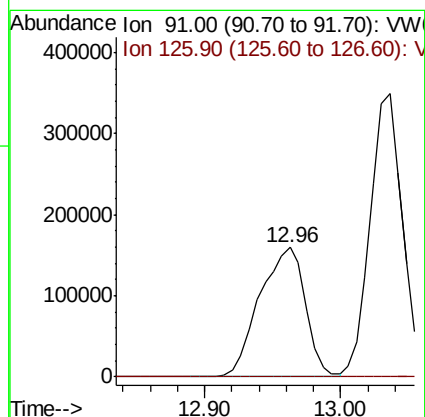
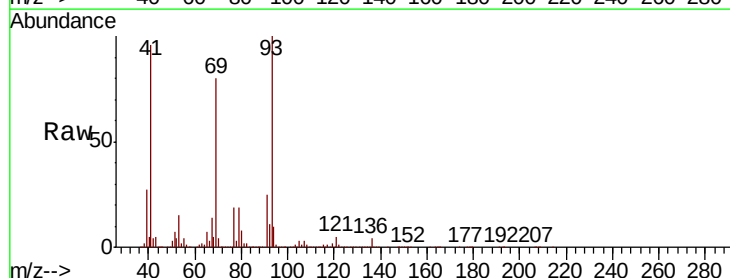
Acq: 18 Sep 2018 18:21

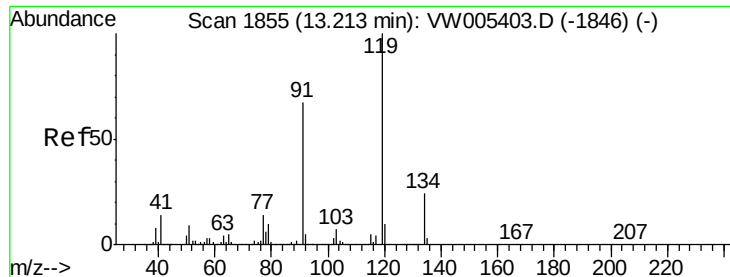
Tgt Ion: 91 Resp: 372258

Ion Ratio Lower Upper

91 100

126 0.0 16.4 49.1#

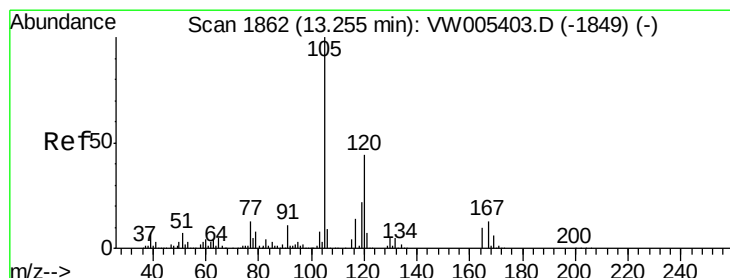
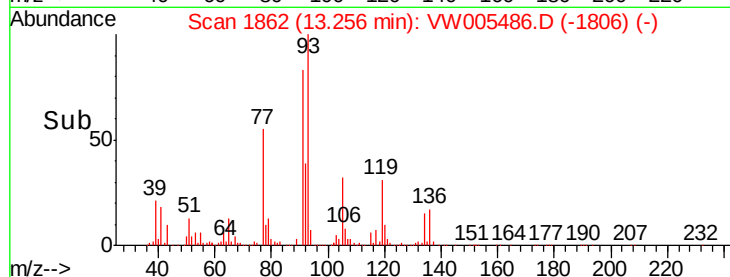
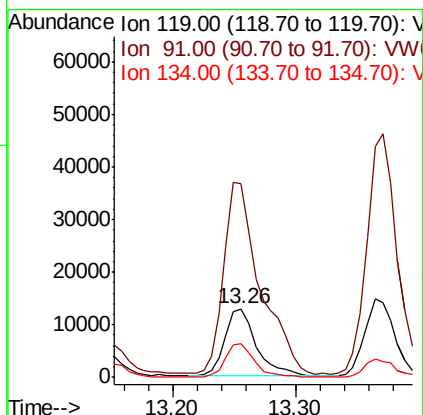
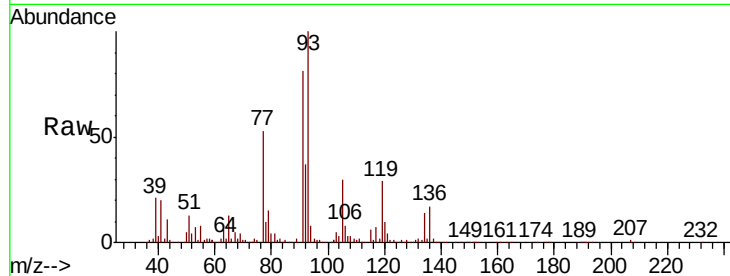




#83
 tert-Butylbenzene
 Concen: 8.537 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.04 min
 Lab File: VW005486.D
 Acq: 18 Sep 2018 18:21

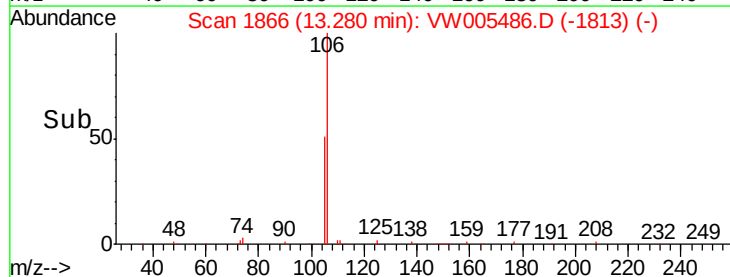
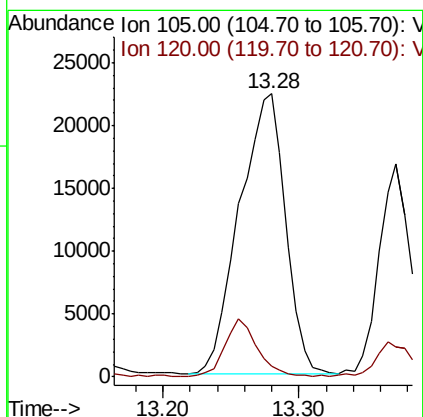
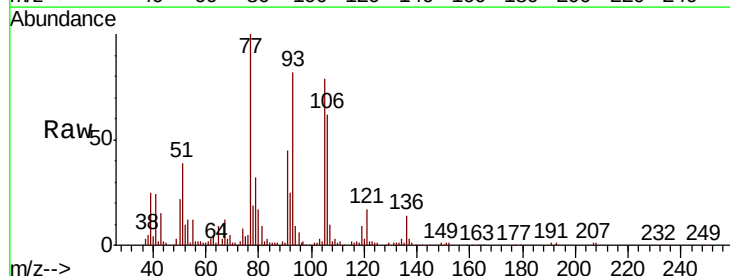
Instrument :
 MSVOA_W
 ClientSampleId :
 RB47195RT

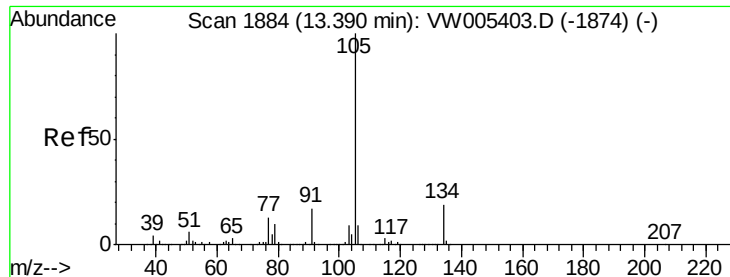
Tgt Ion:119 Resp: 22963
 Ion Ratio Lower Upper
 119 100
 91 328.4 34.4 103.2#
 134 43.7 12.7 38.0#



#84
 1,2,4-Trimethylbenzene
 Concen: 16.063 ug/l
 RT: 13.28 min Scan# 1866
 Delta R.T. 0.02 min
 Lab File: VW005486.D
 Acq: 18 Sep 2018 18:21

Tgt Ion:105 Resp: 52815
 Ion Ratio Lower Upper
 105 100
 120 0.0 21.8 65.3#

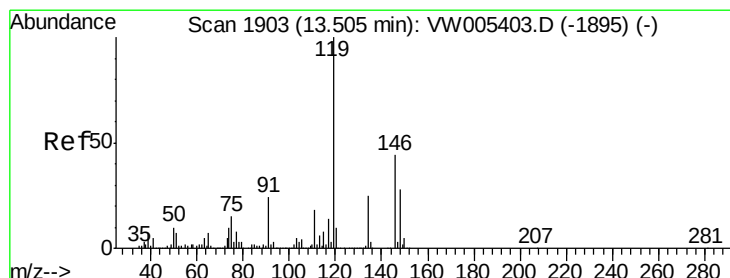
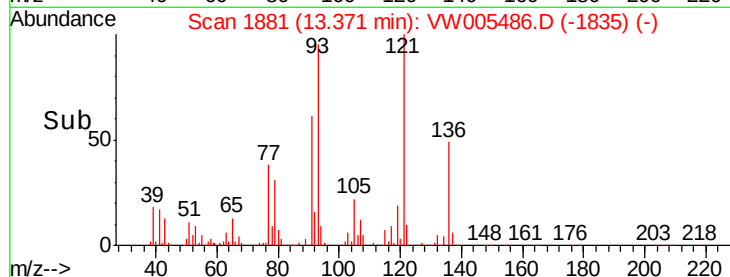
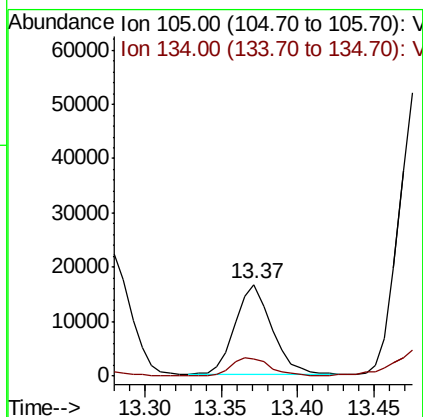
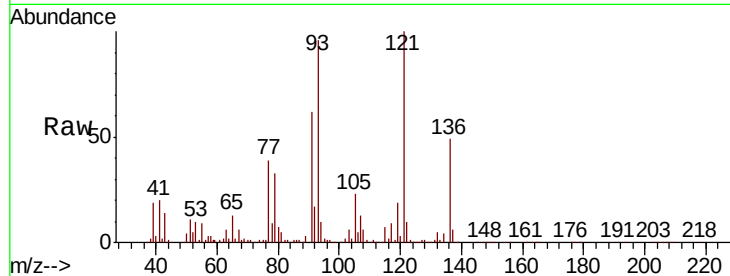




#85
 sec-Butylbenzene
 Concen: 7.164 ug/l
 RT: 13.37 min Scan# 1881
 Delta R.T. -0.02 min
 Lab File: VW005486.D
 Acq: 18 Sep 2018 18:21

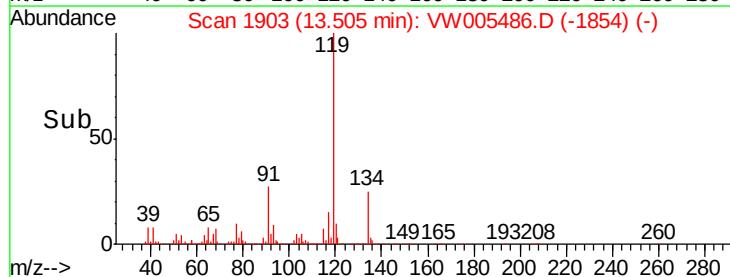
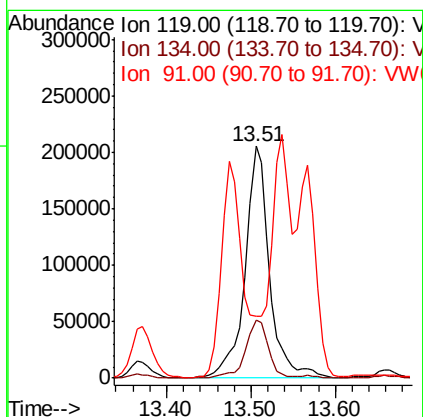
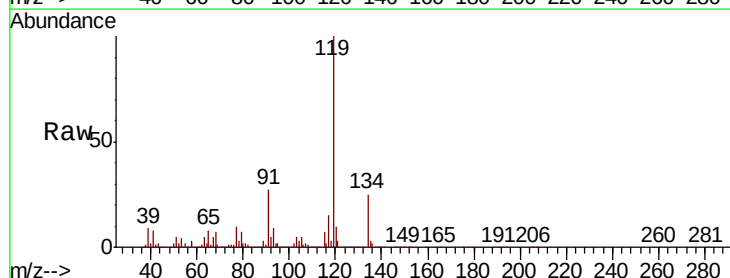
Instrument :
 MSVOA_W
 ClientSampleId :
 RB47195RT

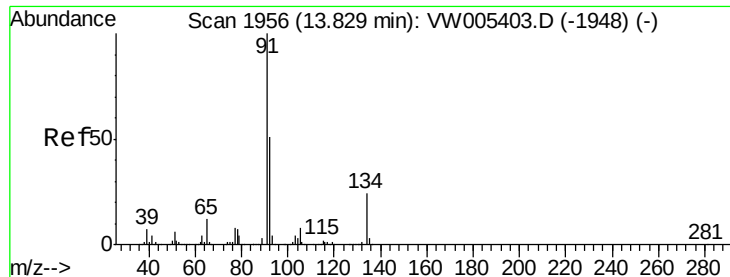
Tgt Ion:105 Resp: 27843
 Ion Ratio Lower Upper
 105 100
 134 20.6 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 114.214 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW005486.D
 Acq: 18 Sep 2018 18:21

Tgt Ion:119 Resp: 396987
 Ion Ratio Lower Upper
 119 100
 134 23.5 12.6 37.8
 91 0.0 12.0 36.0#





#89

n-Butylbenzene

Concen: 20.742 ug/l

RT: 13.72 min Scan# 1939

Delta R.T. -0.10 min

Lab File: VW005486.D

Acq: 18 Sep 2018 18:21

Instrument :

MSVOA_W

ClientSampled :

RB47195RT

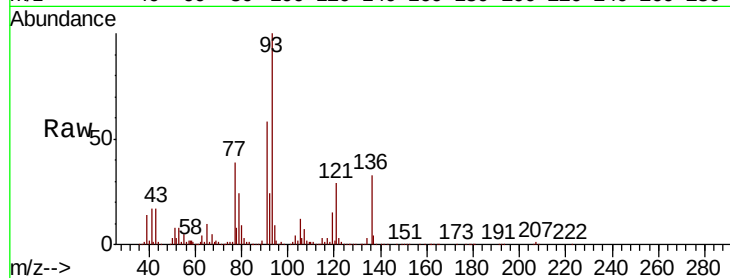
Tgt Ion: 91 Resp: 67135

Ion Ratio Lower Upper

91 100

92 42.8 26.2 78.6

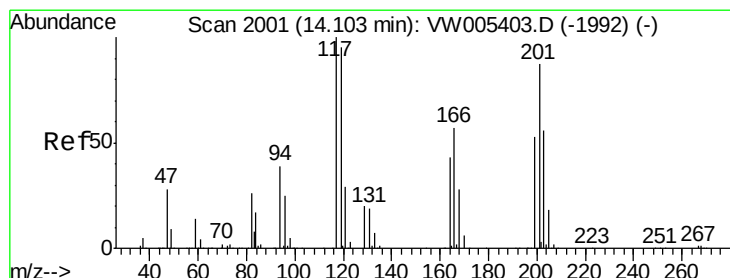
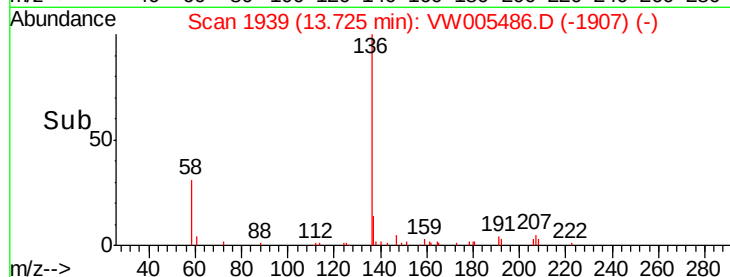
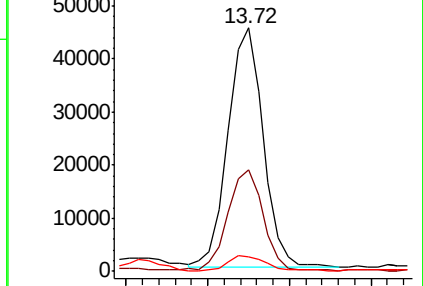
134 6.7 12.7 38.1#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 84.266 ug/l

RT: 14.16 min Scan# 2011

Delta R.T. 0.06 min

Lab File: VW005486.D

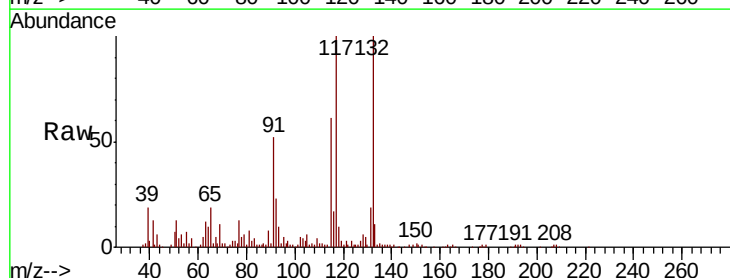
Acq: 18 Sep 2018 18:21

Tgt Ion: 117 Resp: 50185

Ion Ratio Lower Upper

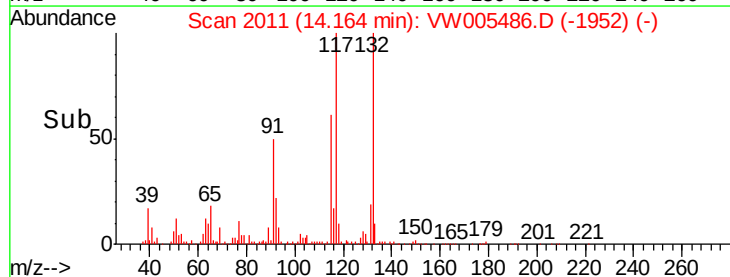
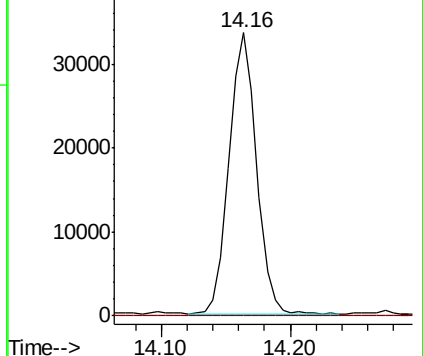
117 100

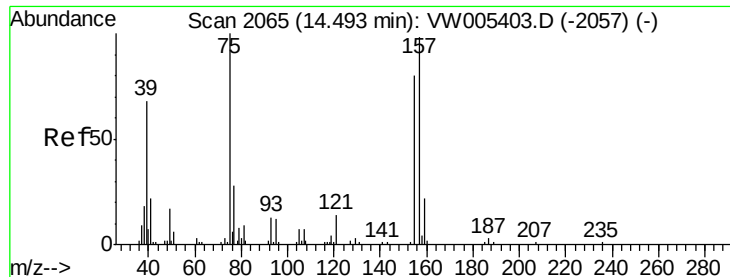
201 0.1 42.5 127.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.587 ug/l

RT: 14.38 min Scan# 2047

Delta R.T. -0.11 min

Lab File: VW005486.D

Acq: 18 Sep 2018 18:21

Instrument :

MSVOA_W

ClientSampled :

RB47195RT

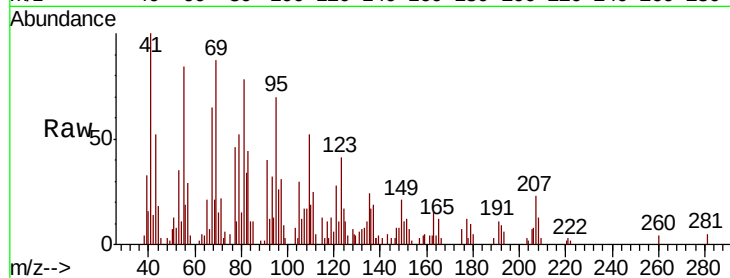
Tgt Ion: 75 Resp: 165

Ion Ratio Lower Upper

75 100

155 43.6 39.0 117.0

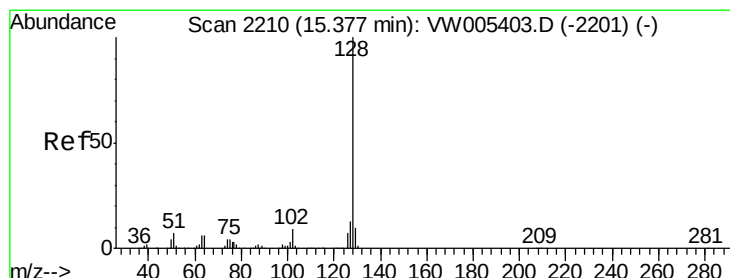
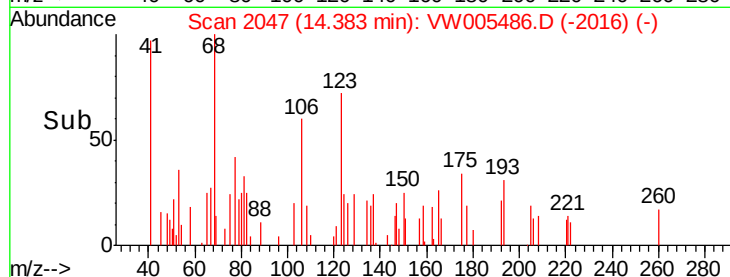
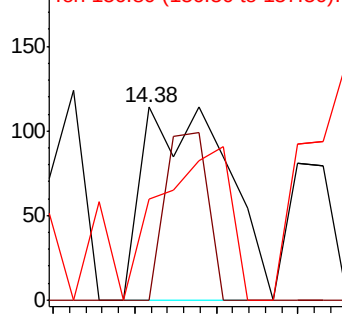
157 78.8 49.9 149.6



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#95

Naphthalene

Concen: 5.255 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW005486.D

Acq: 18 Sep 2018 18:21

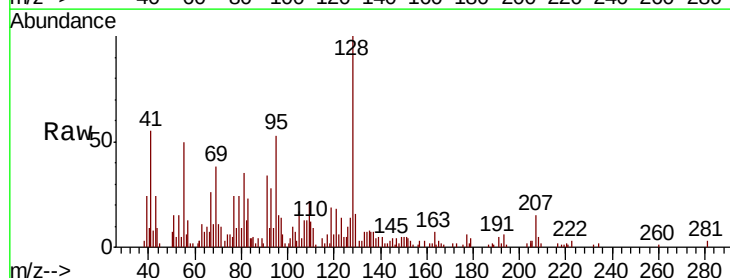
Tgt Ion: 128 Resp: 9087

Ion Ratio Lower Upper

128 100

127 15.6 11.0 16.4

129 12.7 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

