

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091818\
 Data File : VW005504.D
 Acq On : 19 Sep 2018 04:05
 Operator : SY/AP
 Sample : J4772-01RE
 Misc : 8.53G/5ML/MSVOA_W/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 HD-02-091718RE

Quant Time: Sep 19 06:04:12 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	33148	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	52519	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	40573	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	13104	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	18451	53.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.24%	
35) Dibromofluoromethane	7.90	113	14796	50.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.50%	
50) Toluene-d8	10.33	98	39821	29.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	59.06%	
62) 4-Bromofluorobenzene	12.63	95	11784	23.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	47.66%	

Target Compounds

					Qvalue	
5) Bromomethane	2.79	94	407	Below Cal	#	62
8) Diethyl Ether	3.70	74	174	1.206	ug/l #	44
10) Methyl Iodide	4.29	142	540	5.429	ug/l #	65
11) Tert butyl alcohol	5.18	59	80	Below Cal	#	71
13) Acrolein	3.89	56	63	Below Cal	#	12
15) Acrylonitrile	5.40	53	79	1.197	ug/l #	52
16) Acetone	4.14	43	2664	38.603	ug/l	100
18) Methyl Acetate	4.70	43	370	2.238	ug/l #	77
20) Methylene Chloride	4.92	84	2417	1.514	ug/l #	84
25) 2-Butanone	7.20	43	108	1.305	ug/l #	49
29) Tetrahydrofuran	7.54	42	165	3.129	ug/l #	35
31) Cyclohexane	7.96	56	902	1.642	ug/l #	27
36) 1,1-Dichloropropene	7.95	75	2731	5.495	ug/l #	51
38) Carbon Tetrachloride	7.96	117	3337	6.443	ug/l #	15
41) Methacrylonitrile	7.52	41	153	1.255	ug/l #	32
52) Toluene	10.40	92	1006	1.032	ug/l	92
74) N-amyl acetate	12.30	43	200	1.032	ug/l #	60
76) 1,2,3-Trichloropropane	12.63	75	6186	57.396	ug/l #	100
78) n-propylbenzene	12.82	91	2053	1.850	ug/l	89
80) 1,3,5-Trimethylbenzene	12.95	105	2773	3.457	ug/l	91
81) trans-1,4-Dichloro-2-buten	12.63	75	6186	148.889	ug/l #	8
84) 1,2,4-Trimethylbenzene	13.26	105	7981	9.800	ug/l	95
85) sec-Butylbenzene	13.40	105	1887	1.960	ug/l	95
86) p-Isopropyltoluene	13.45	119	1606	1.865	ug/l	84
87) 1,3-Dichlorobenzene	13.51	146	509	1.155	ug/l #	69
88) 1,4-Dichlorobenzene	13.58	146	492	1.133	ug/l #	21
89) n-Butylbenzene	13.83	91	3379	4.215	ug/l #	79
90) Hexachloroethane	14.10	117	1225	8.304	ug/l #	9
91) 1,2-Dichlorobenzene	13.88	146	400	1.038	ug/l #	27
92) 1,2-Dibromo-3-Chloropropan	14.51	75	125	4.853	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.15	180	759	2.953	ug/l #	2
94) Hexachlorobutadiene	15.24	225	445	2.651	ug/l	92
95) Naphthalene	15.38	128	2315	5.405	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.57	180	909	4.052	ug/l #	20

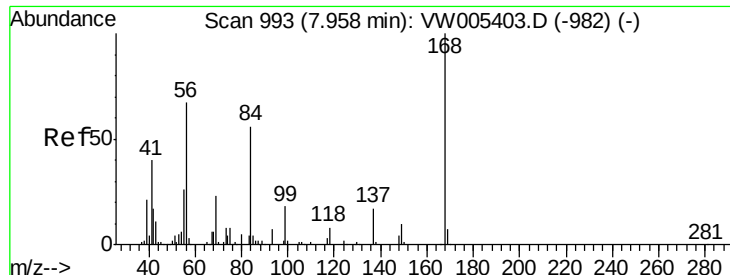
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW091818\
Data File : VW005504.D
Acq On : 19 Sep 2018 04:05
Operator : SY/AP
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Quant Time: Sep 19 06:04:12 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W091618S.M
Quant Title : SW846 8260
QLast Update : Sat Sep 15 02:32:34 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 994

Delta R.T. 0.01 min

Lab File: VW005504.D

Acq: 19 Sep 2018 04:05

Instrument :

MSVOA_W

ClientSampleId :

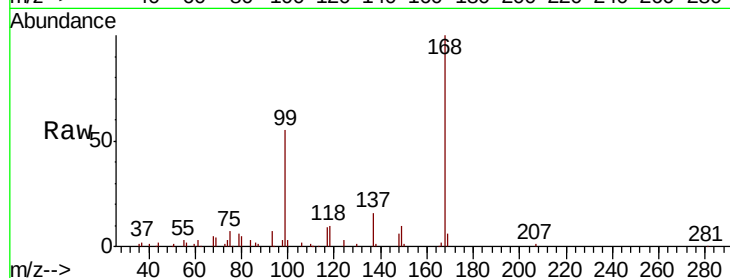
HD-02-091718RE

Tgt Ion:168 Resp: 33148

Ion Ratio Lower Upper

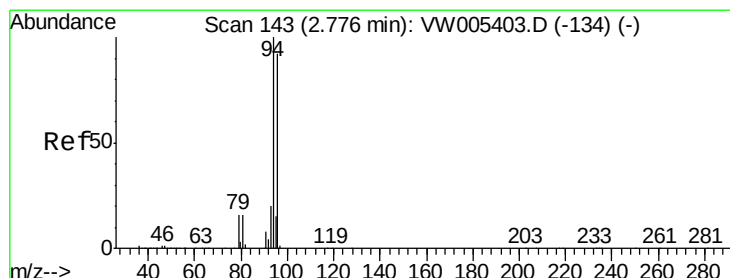
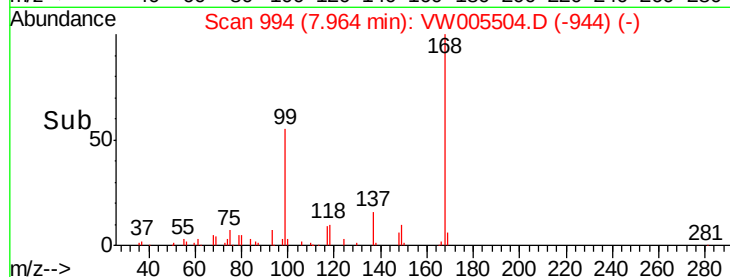
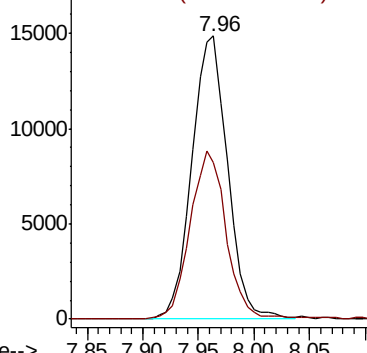
168 100

99 55.1 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 145

Delta R.T. 0.01 min

Lab File: VW005504.D

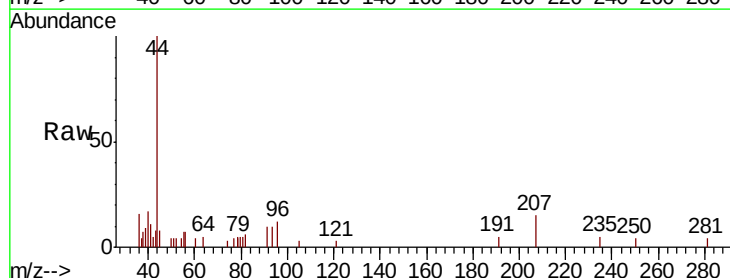
Acq: 19 Sep 2018 04:05

Tgt Ion: 94 Resp: 407

Ion Ratio Lower Upper

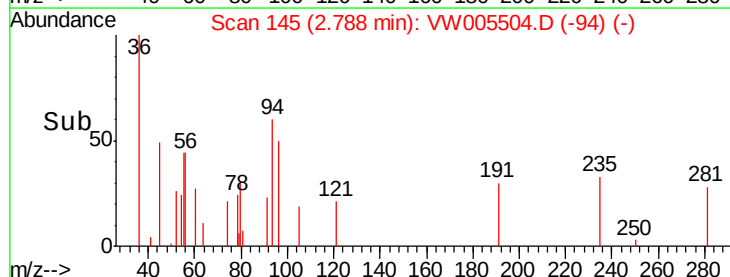
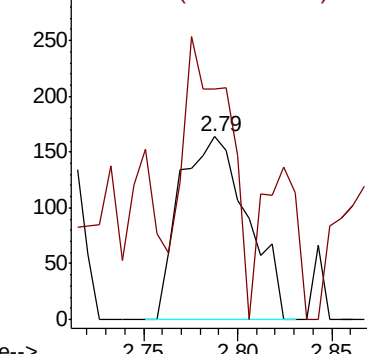
94 100

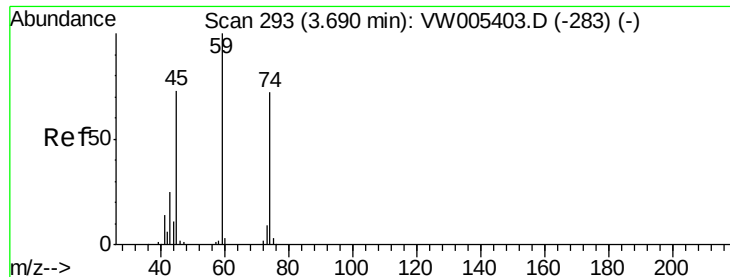
96 56.1 73.7 110.5#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW





#8

Diethyl Ether

Concen: 1.206 ug/l

RT: 3.70 min Scan# 294

Delta R.T. 0.01 min

Lab File: VW005504.D

Acq: 19 Sep 2018 04:05

Instrument :

MSVOA_W

ClientSampleId :

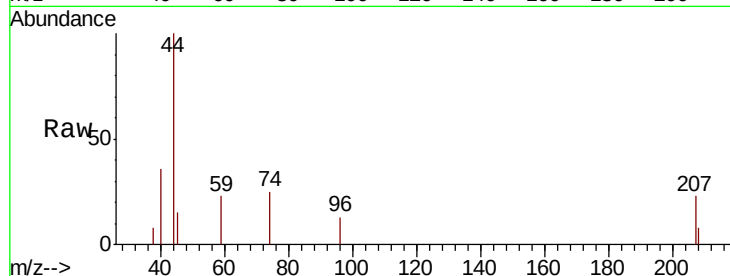
HD-02-091718RE

Tgt Ion: 74 Resp: 174

Ion Ratio Lower Upper

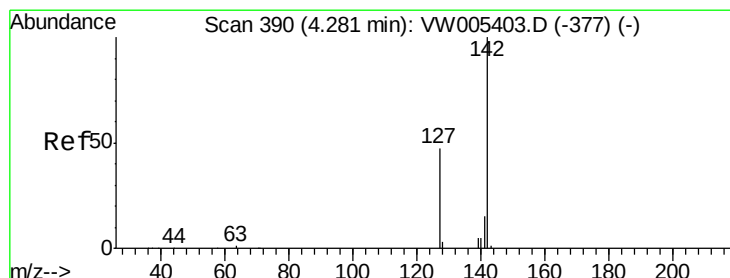
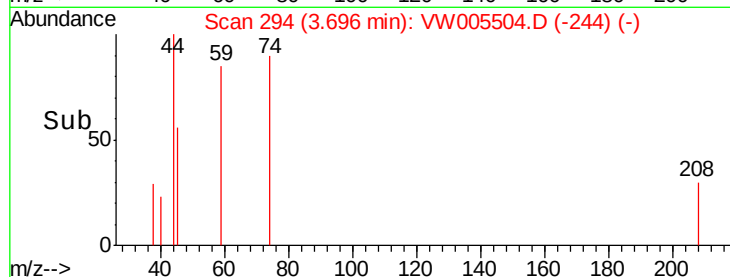
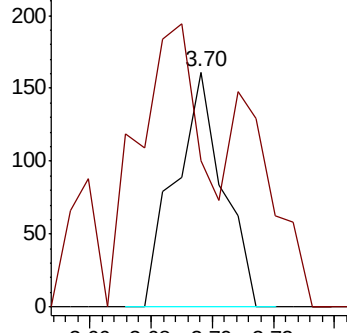
74 100

45 163.8 53.1 159.3#



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



#10

Methyl Iodide

Concen: 5.429 ug/l

RT: 4.29 min Scan# 391

Delta R.T. 0.01 min

Lab File: VW005504.D

Acq: 19 Sep 2018 04:05

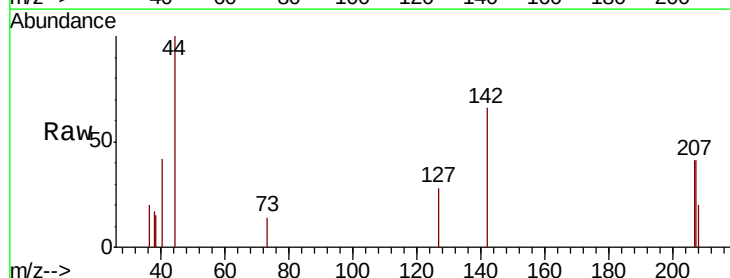
Tgt Ion: 142 Resp: 540

Ion Ratio Lower Upper

142 100

127 23.5 37.5 56.3#

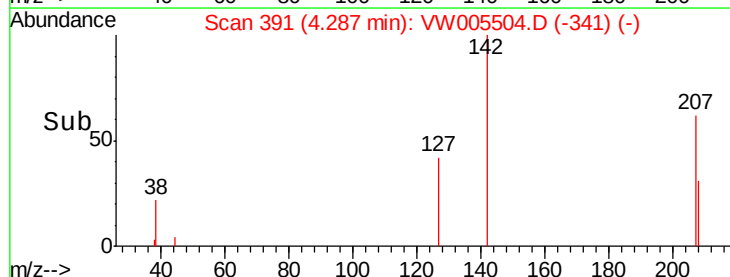
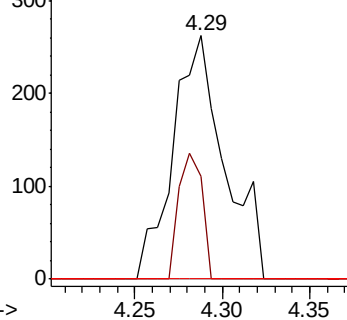
141 0.0 12.4 18.6#

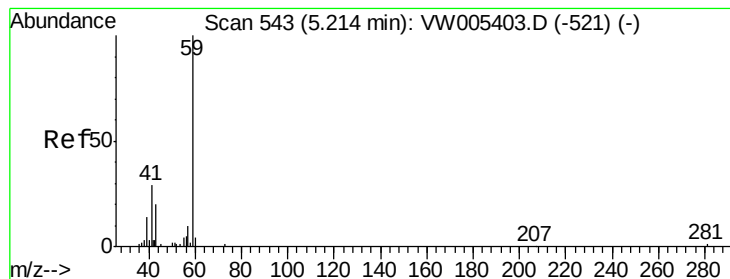


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



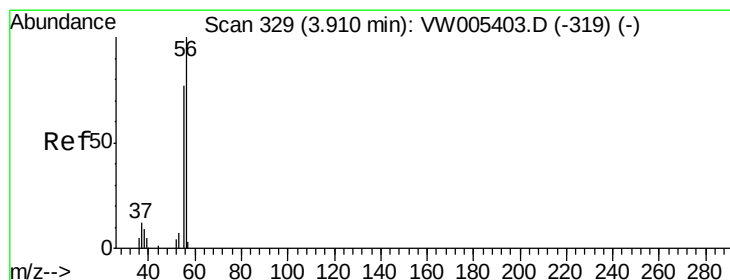
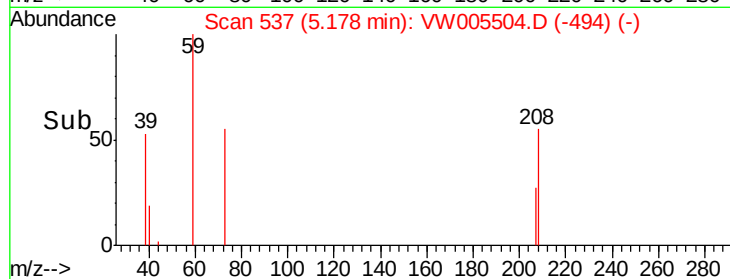
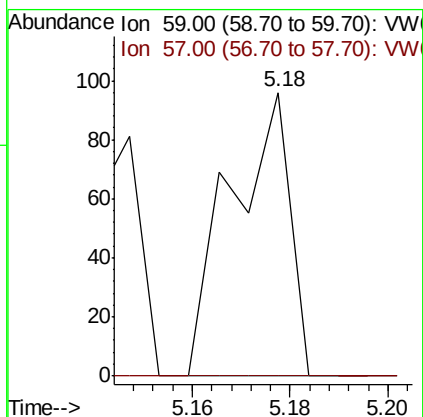
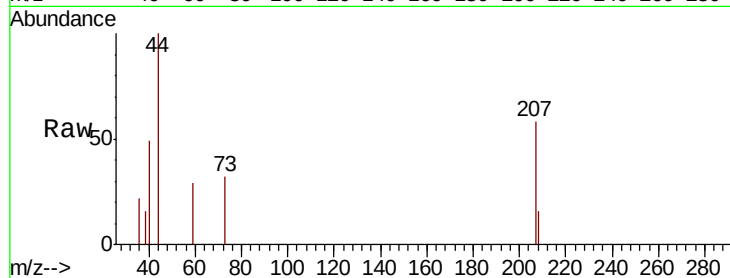


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.18 min Scan# 537
 Delta R.T. -0.04 min
 Lab File: VW005504.D
 Acq: 19 Sep 2018 04:05

Instrument :
 MSVOA_W
 ClientSampled :
 HD-02-091718RE

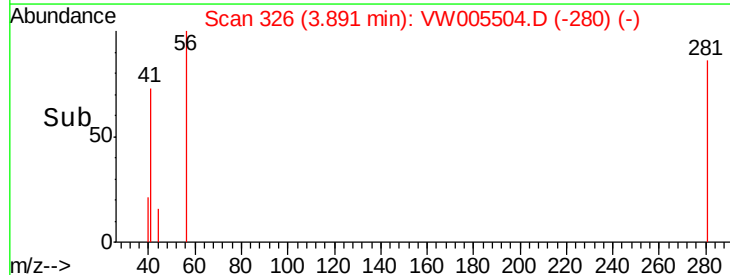
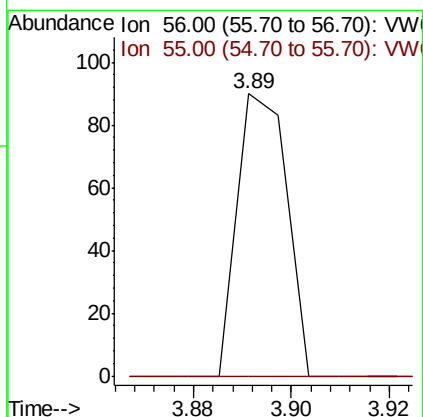
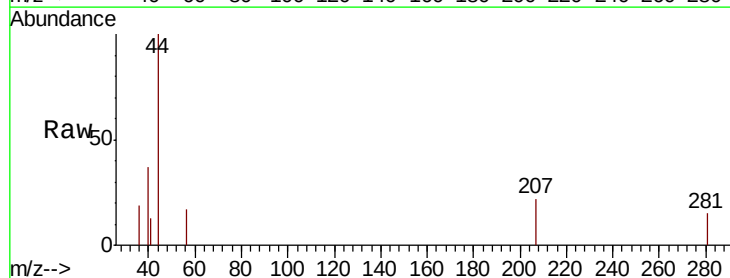
Tgt Ion: 59 Resp: 80
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.6 13.0#

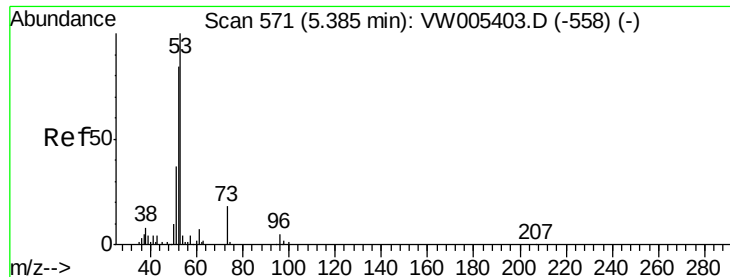


#13

Acrolein
 Concen: Below Cal
 RT: 3.89 min Scan# 326
 Delta R.T. -0.02 min
 Lab File: VW005504.D
 Acq: 19 Sep 2018 04:05

Tgt Ion: 56 Resp: 63
 Ion Ratio Lower Upper
 56 100
 55 0.0 59.8 89.8#





#15

Acrylonitrile

Concen: 1.197 ug/l

RT: 5.40 min Scan# 573

Delta R.T. 0.01 min

Lab File: VW005504.D

Acq: 19 Sep 2018 04:05

Instrument :

MSVOA_W

ClientSampleId :

HD-02-091718RE

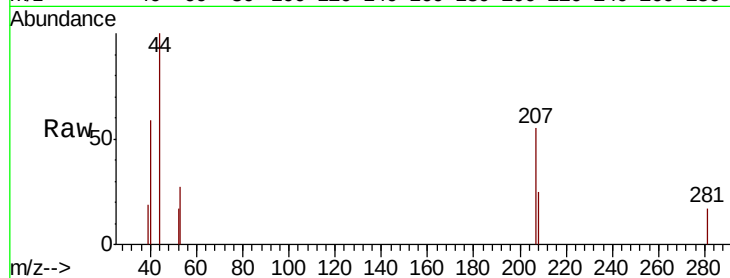
Tgt Ion: 53 Resp: 79

Ion Ratio Lower Upper

53 100

52 46.8 66.6 99.8#

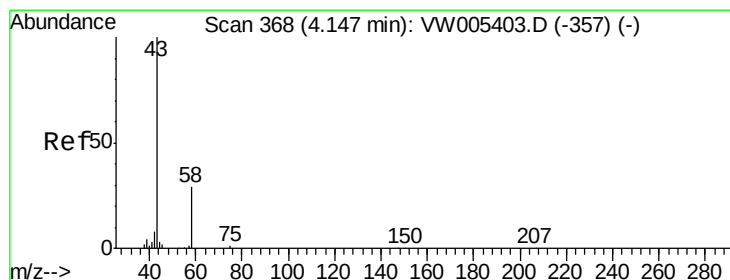
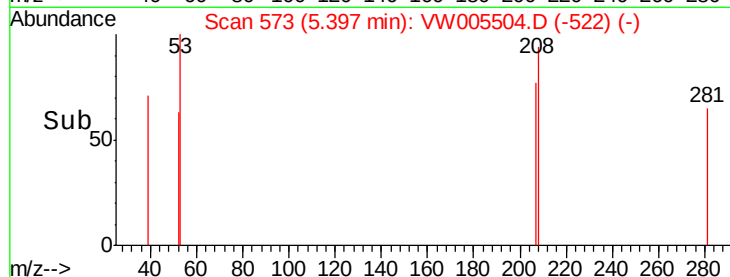
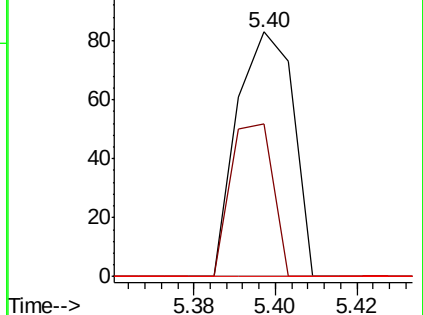
51 0.0 31.1 46.7#



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 38.603 ug/l

RT: 4.14 min Scan# 367

Delta R.T. -0.01 min

Lab File: VW005504.D

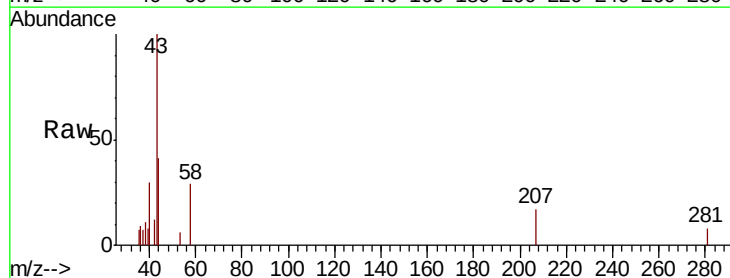
Acq: 19 Sep 2018 04:05

Tgt Ion: 43 Resp: 2664

Ion Ratio Lower Upper

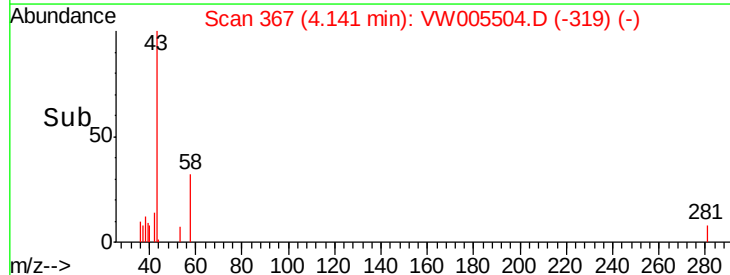
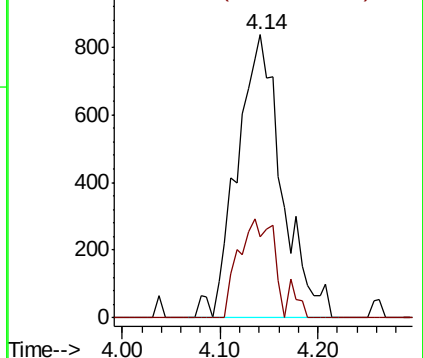
43 100

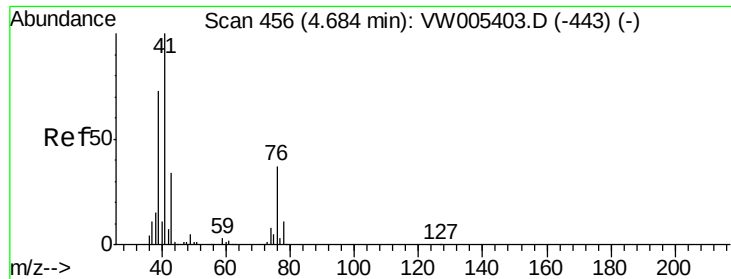
58 28.7 22.8 34.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

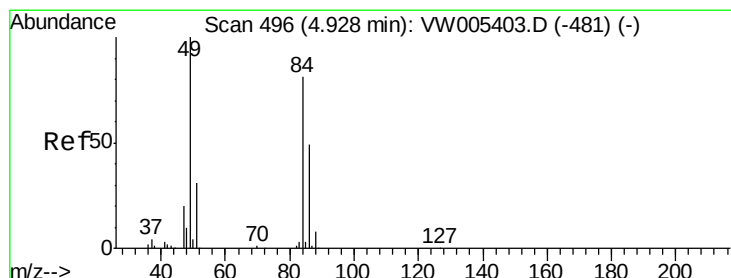
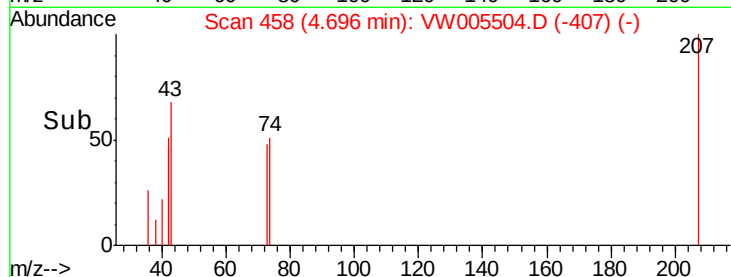
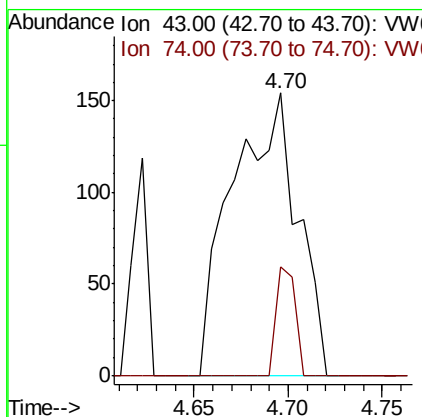
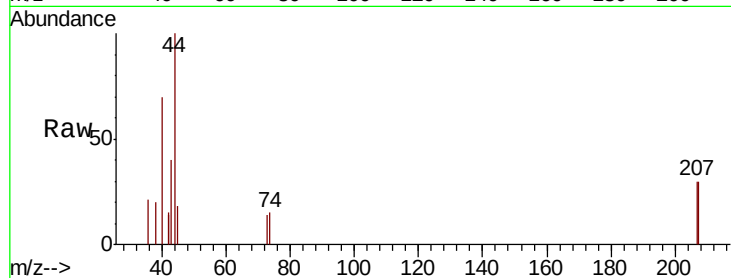




#18
Methyl Acetate
Concen: 2.238 ug/l
RT: 4.70 min Scan# 458
Delta R.T. 0.01 min
Lab File: VW005504.D
Acq: 19 Sep 2018 04:05

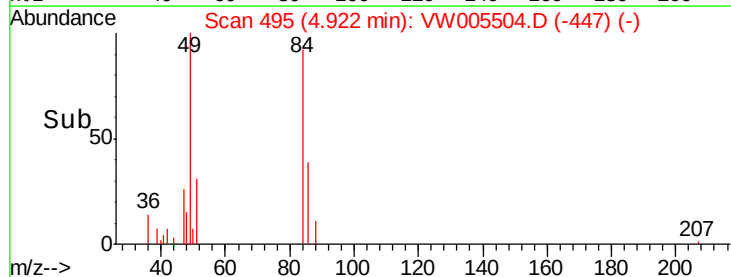
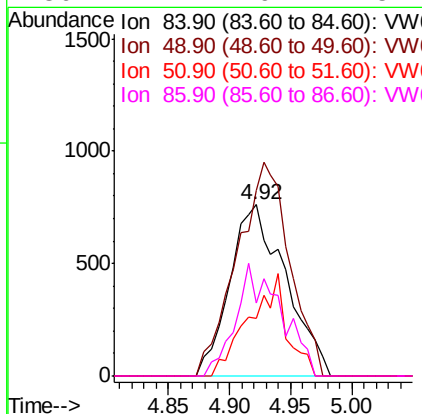
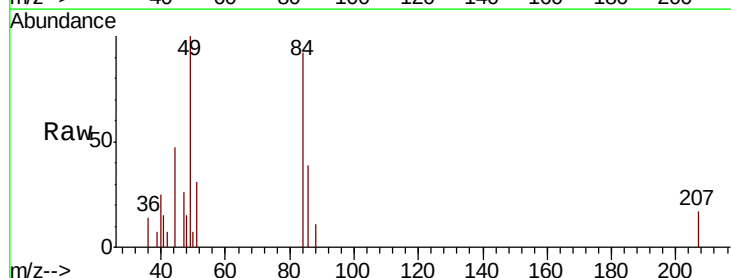
Instrument :
MSVOA_W
ClientSampleId :
HD-02-091718RE

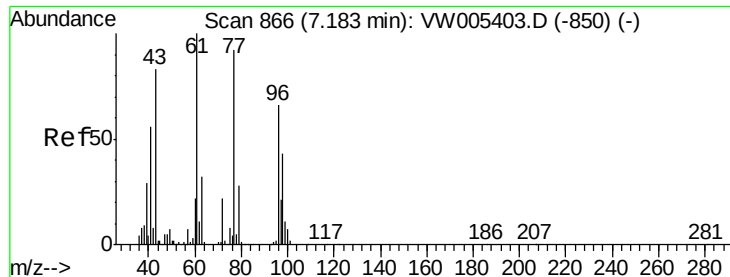
Tgt Ion: 43 Resp: 370
Ion Ratio Lower Upper
43 100
74 11.1 17.7 26.5#



#20
Methylene Chloride
Concen: 1.514 ug/l
RT: 4.92 min Scan# 495
Delta R.T. -0.01 min
Lab File: VW005504.D
Acq: 19 Sep 2018 04:05

Tgt Ion: 84 Resp: 2417
Ion Ratio Lower Upper
84 100
49 108.7 99.3 148.9
51 33.6 31.1 46.7
86 42.4 49.1 73.7#





#25

2-Butanone

Concen: 1.305 ug/l

RT: 7.20 min Scan# 869

Delta R.T. 0.02 min

Lab File: VW005504.D

Acq: 19 Sep 2018 04:05

Instrument :

MSVOA_W

ClientSampled :

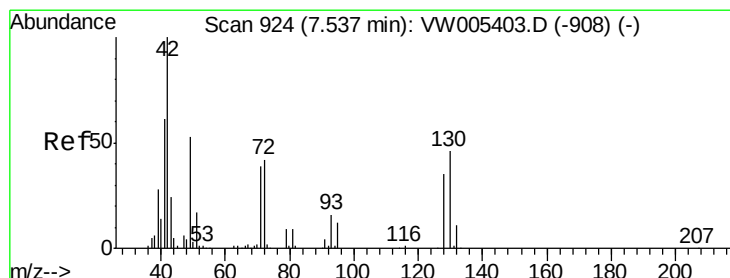
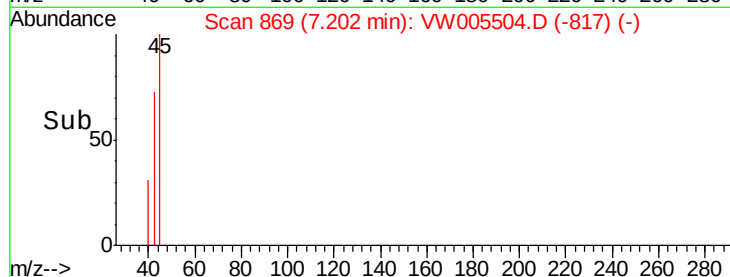
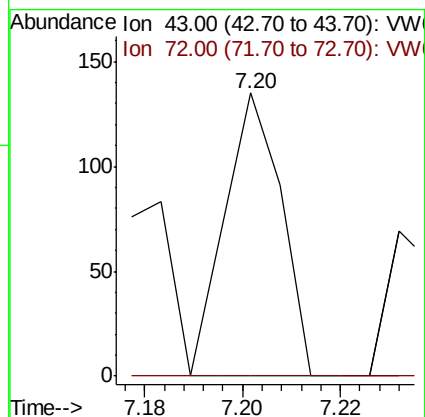
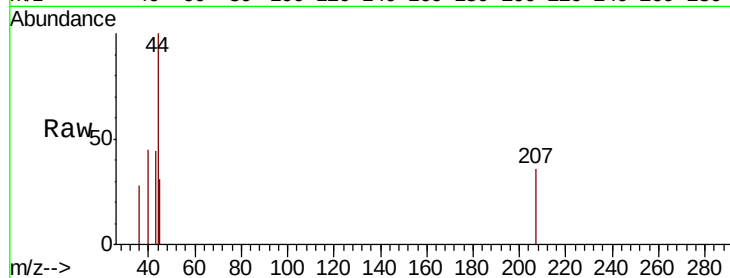
HD-02-091718RE

Tgt Ion: 43 Resp: 108

Ion Ratio Lower Upper

43 100

72 0.0 21.1 31.7#



#29

Tetrahydrofuran

Concen: 3.129 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW005504.D

Acq: 19 Sep 2018 04:05

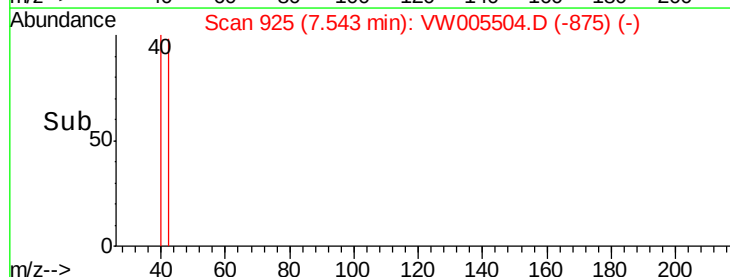
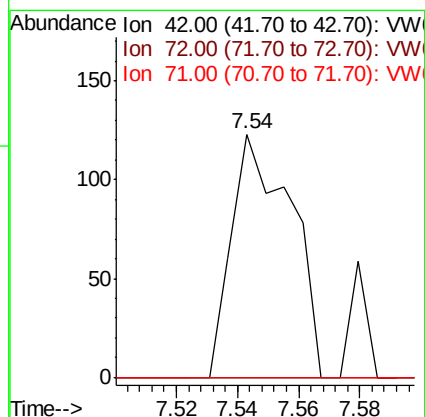
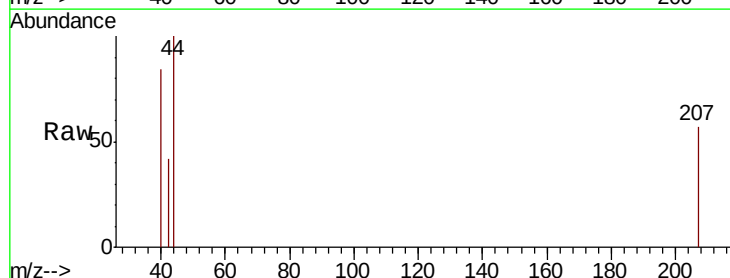
Tgt Ion: 42 Resp: 165

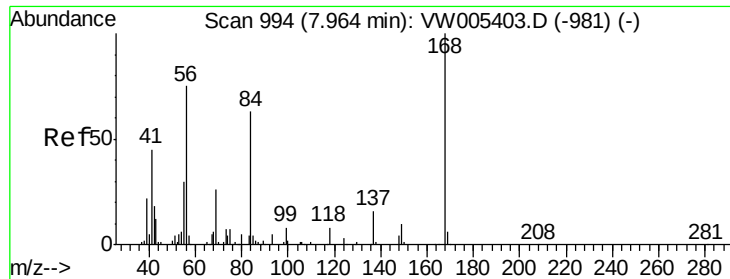
Ion Ratio Lower Upper

42 100

72 0.0 33.2 49.8#

71 0.0 31.0 46.6#

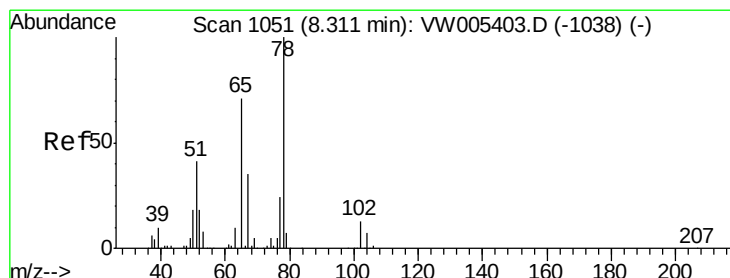
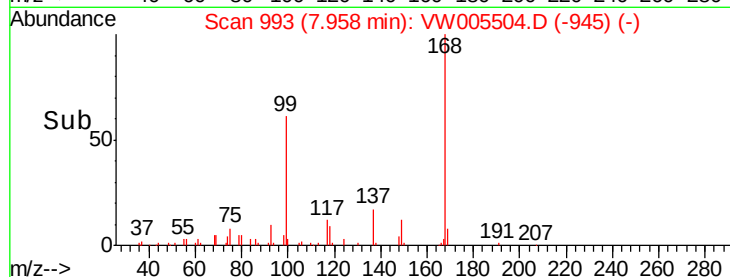
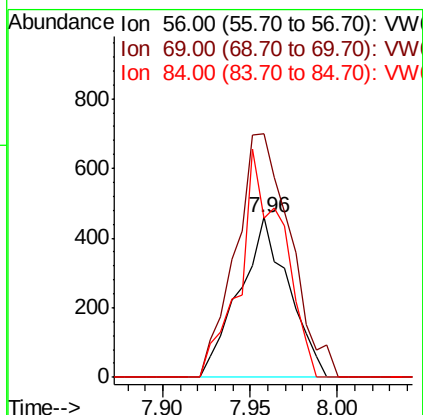
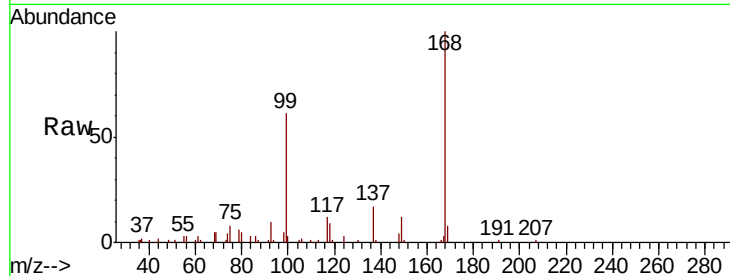




#31
Cyclohexane
Concen: 1.642 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.01 min
Lab File: VW005504.D
Acq: 19 Sep 2018 04:05

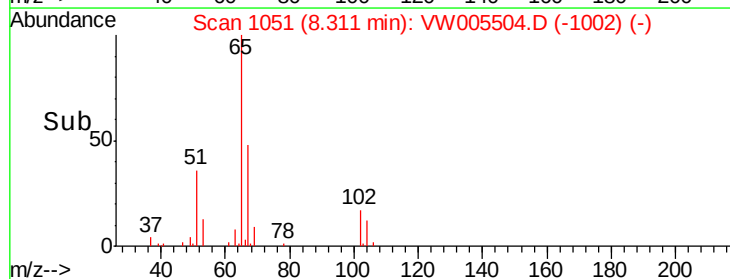
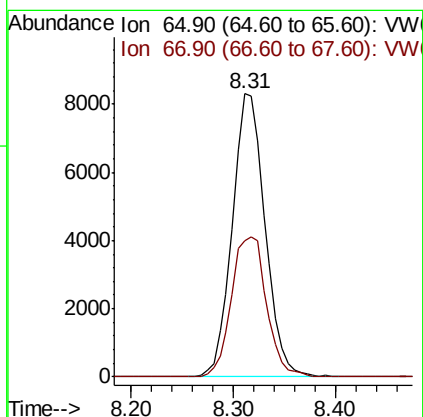
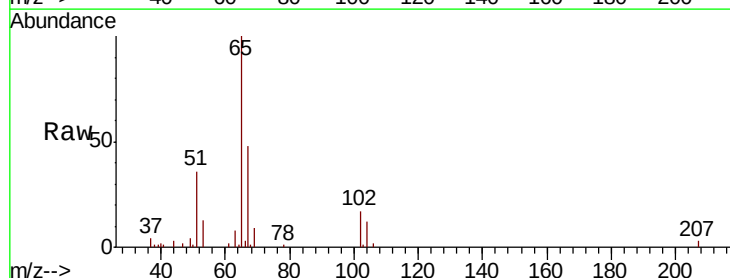
Instrument :
MSVOA_W
ClientSampleId :
HD-02-091718RE

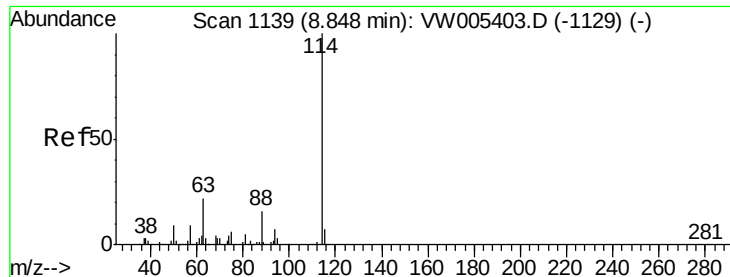
Tgt Ion: 56 Resp: 902
Ion Ratio Lower Upper
56 100
69 152.3 27.2 40.8#
84 99.6 66.7 100.1



#33
1,2-Dichloroethane-d4
Concen: 53.624 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VW005504.D
Acq: 19 Sep 2018 04:05

Tgt Ion: 65 Resp: 18451
Ion Ratio Lower Upper
65 100
67 53.1 0.0 100.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1140

Delta R.T. 0.01 min

Lab File: VW005504.D

Acq: 19 Sep 2018 04:05

Instrument :

MSVOA_W

ClientSampleId :

HD-02-091718RE

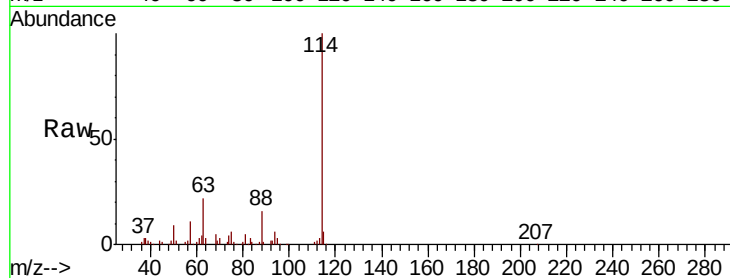
Tgt Ion:114 Resp: 52519

Ion Ratio Lower Upper

114 100

63 21.5 0.0 43.4

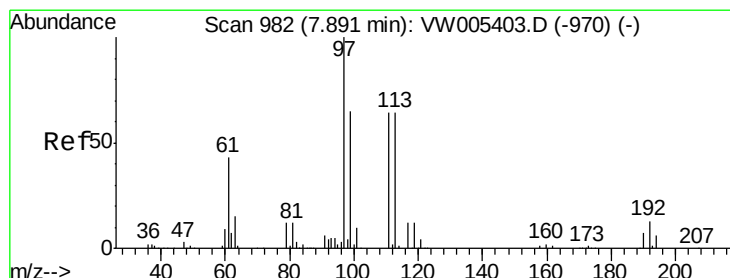
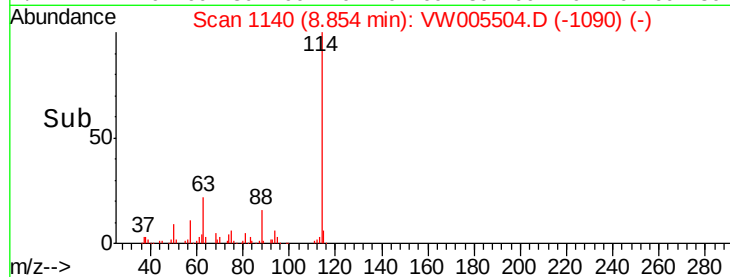
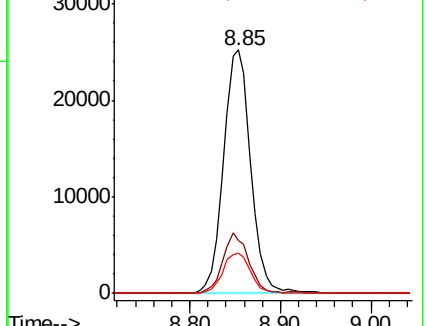
88 16.4 0.0 31.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35

Dibromofluoromethane

Concen: 50.247 ug/l

RT: 7.90 min Scan# 983

Delta R.T. 0.01 min

Lab File: VW005504.D

Acq: 19 Sep 2018 04:05

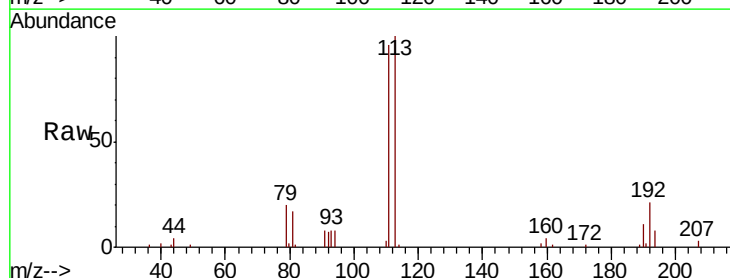
Tgt Ion:113 Resp: 14796

Ion Ratio Lower Upper

113 100

111 98.5 82.3 123.5

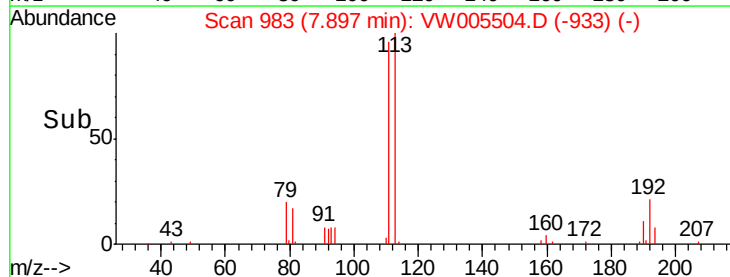
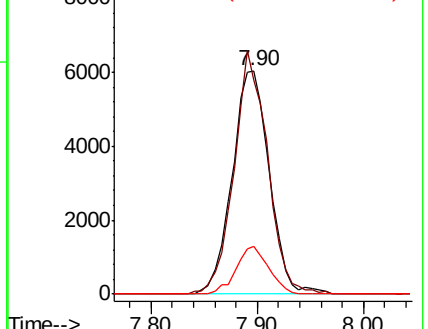
192 18.8 16.5 24.7

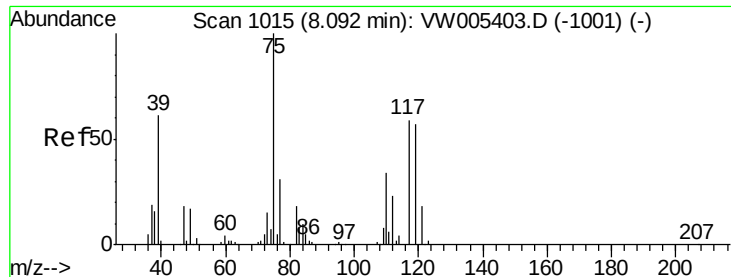


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

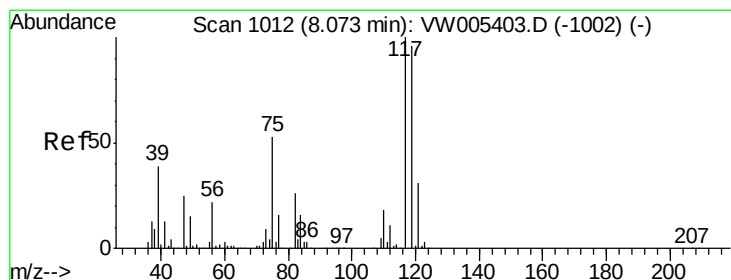
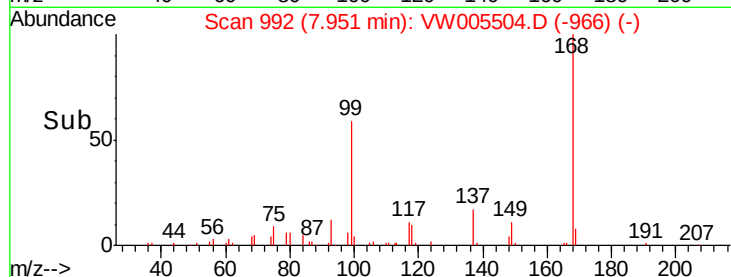
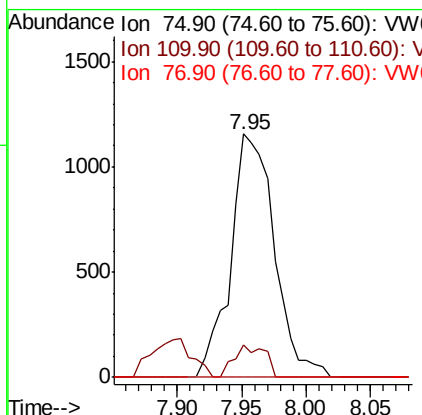
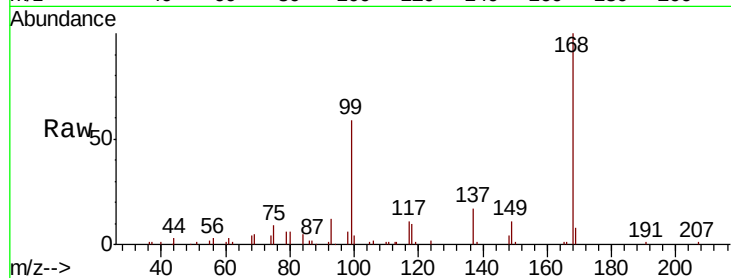




#36
 1,1-Dichloropropene
 Concen: 5.495 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.14 min
 Lab File: VW005504.D
 Acq: 19 Sep 2018 04:05

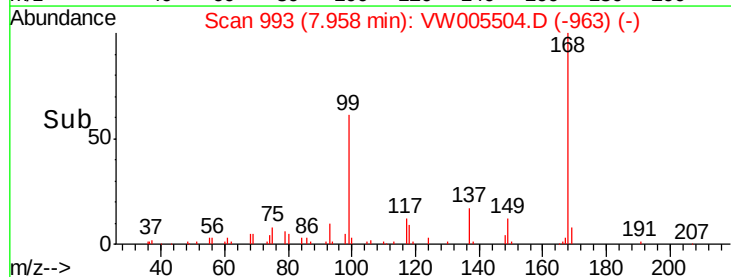
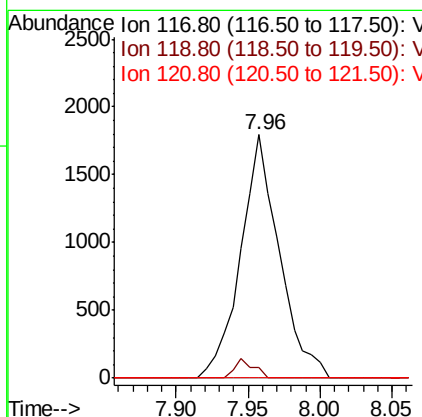
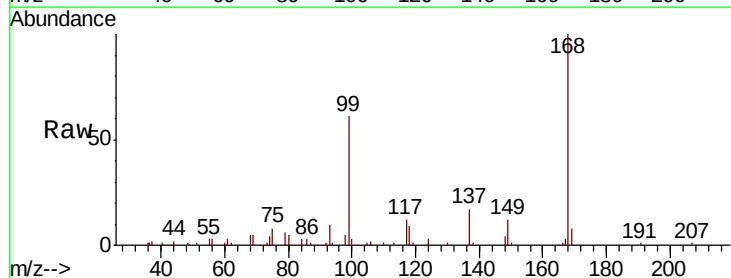
Instrument :
 MSVOA_W
 ClientSampleId :
 HD-02-091718RE

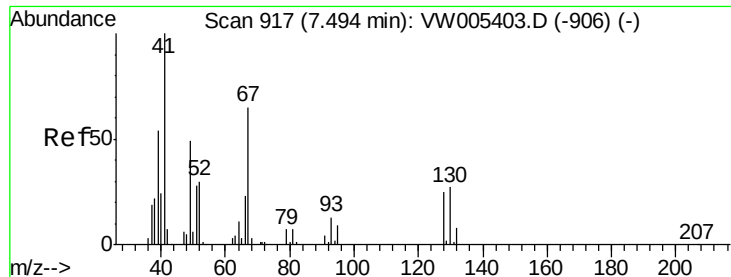
Tgt Ion: 75 Resp: 2731
 Ion Ratio Lower Upper
 75 100
 110 9.3 16.8 50.4#
 77 0.0 24.2 36.4#



#38
 Carbon Tetrachloride
 Concen: 6.443 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.12 min
 Lab File: VW005504.D
 Acq: 19 Sep 2018 04:05

Tgt Ion: 117 Resp: 3337
 Ion Ratio Lower Upper
 117 100
 119 4.3 76.8 115.2#
 121 0.0 24.7 37.1#

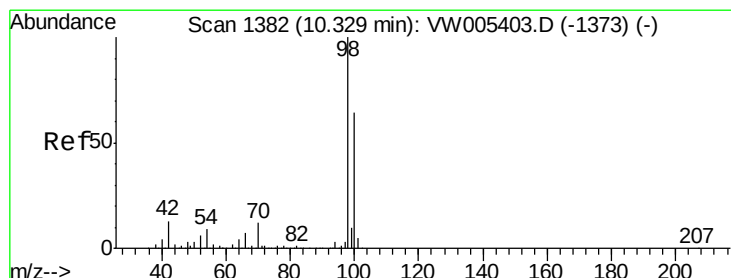
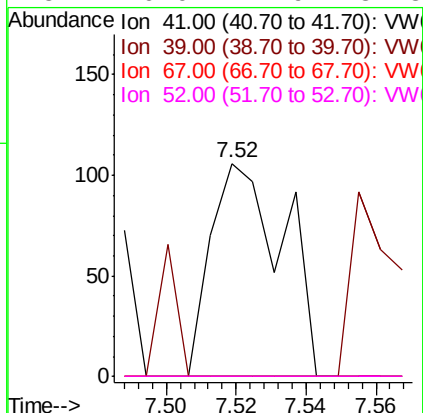
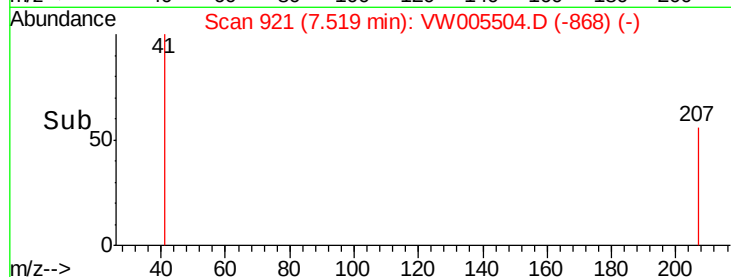
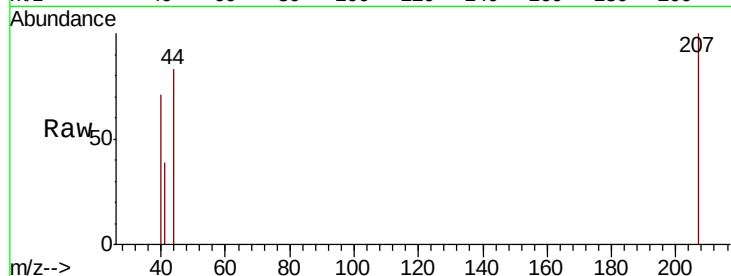




#41
Methacrylonitrile
Concen: 1.255 ug/l
RT: 7.52 min Scan# 921
Delta R.T. 0.02 min
Lab File: VW005504.D
Acq: 19 Sep 2018 04:05

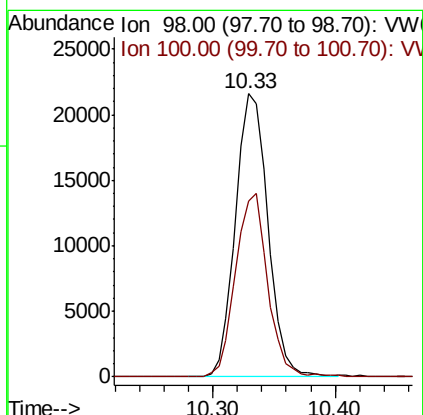
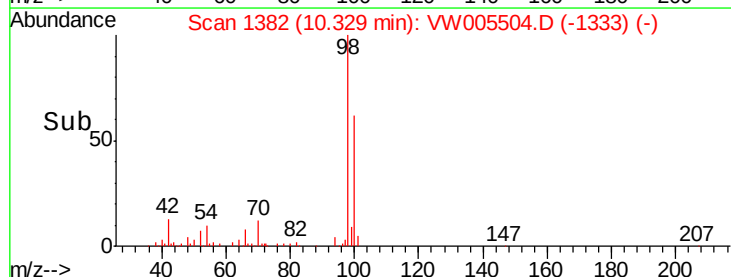
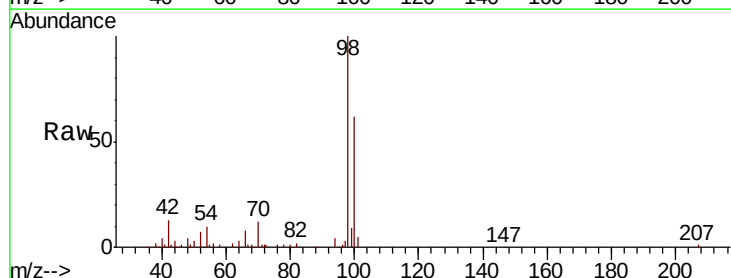
Instrument :
MSVOA_W
ClientSampleId :
HD-02-091718RE

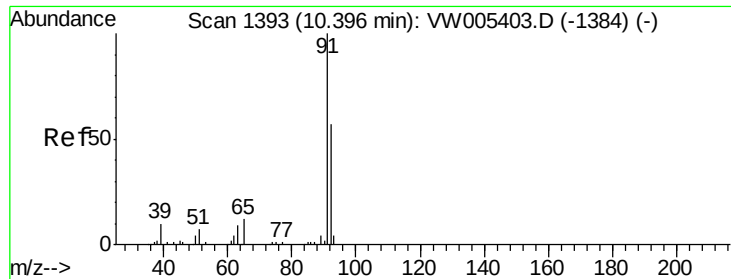
Tgt Ion:	41	Resp:	153
Ion	Ratio	Lower	Upper
41	100		
39	15.7	44.6	67.0#
67	0.0	53.6	80.4#
52	0.0	24.9	37.3#



#50
Toluene-d8
Concen: 29.529 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW005504.D
Acq: 19 Sep 2018 04:05

Tgt Ion:	98	Resp:	39821
Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.4	77.0





#52

Toluene

Concen: 1.032 ug/l

RT: 10.40 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW005504.D

Acq: 19 Sep 2018 04:05

Instrument :

MSVOA_W

ClientSampleId :

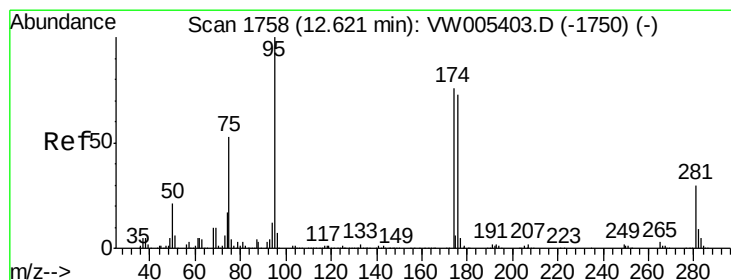
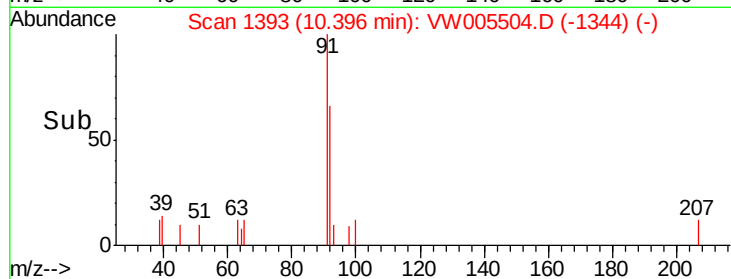
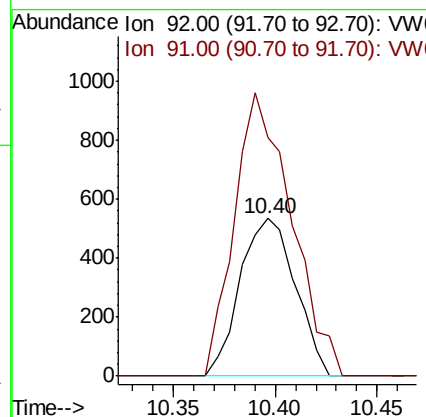
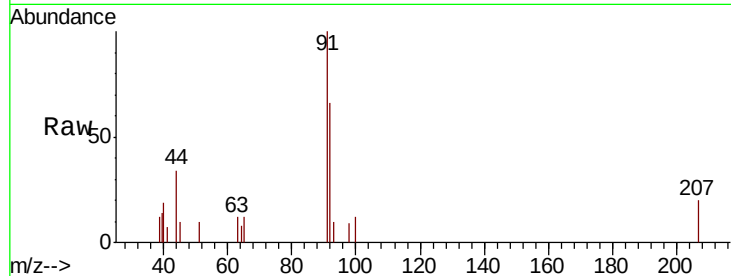
HD-02-091718RE

Tgt Ion: 92 Resp: 1006

Ion Ratio Lower Upper

92 100

91 185.6 139.1 208.7



#62

4-Bromofluorobenzene

Concen: 23.832 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.01 min

Lab File: VW005504.D

Acq: 19 Sep 2018 04:05

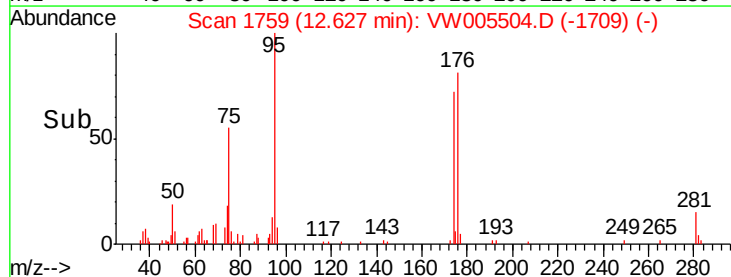
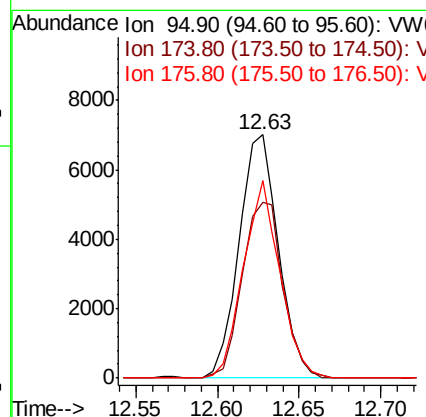
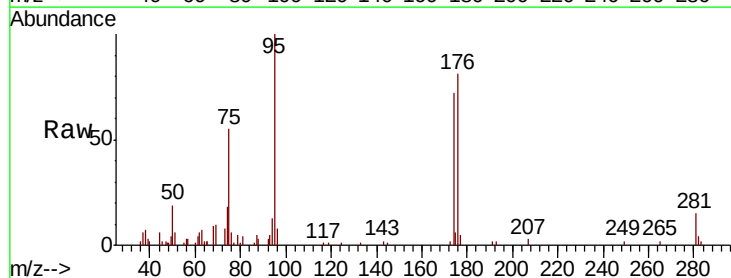
Tgt Ion: 95 Resp: 11784

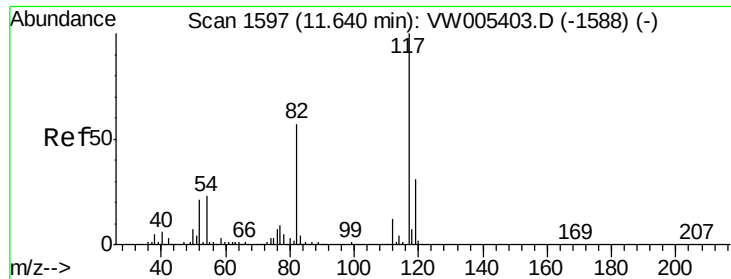
Ion Ratio Lower Upper

95 100

174 74.7 0.0 161.2

176 75.3 0.0 156.6

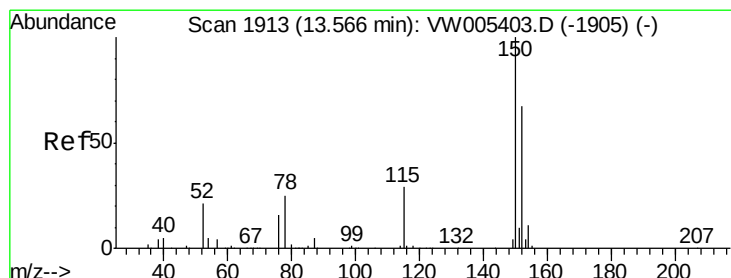
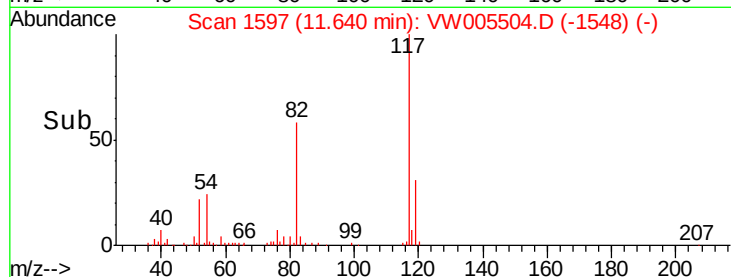
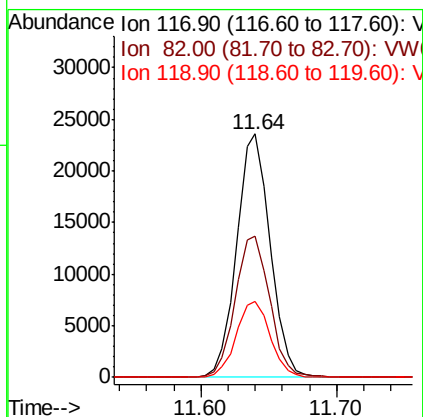
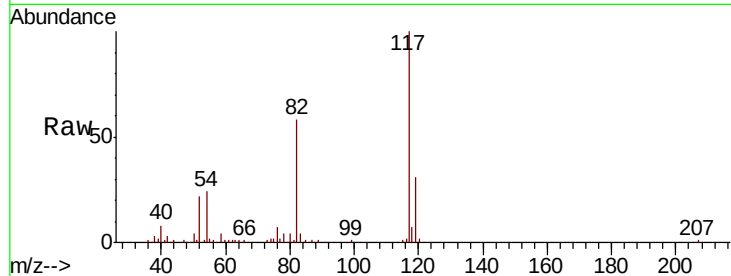




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VW005504.D
Acq: 19 Sep 2018 04:05

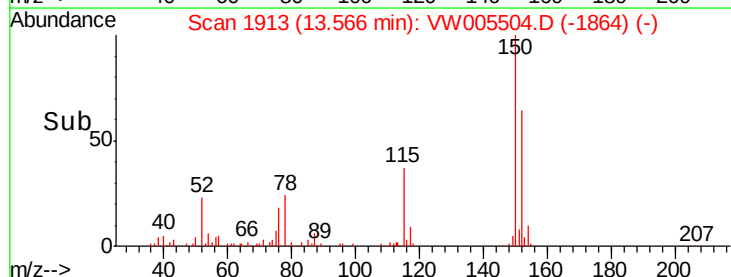
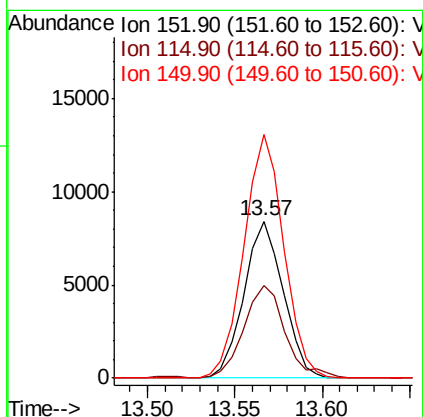
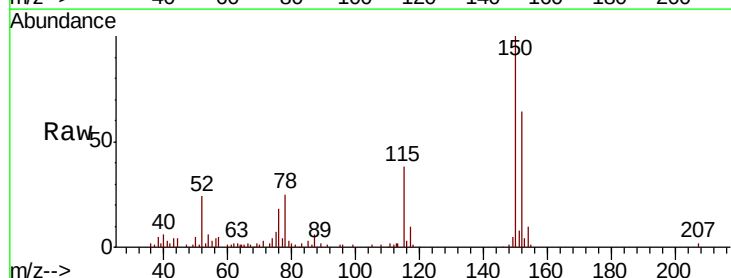
Instrument :
MSVOA_W
ClientSampleId :
HD-02-091718RE

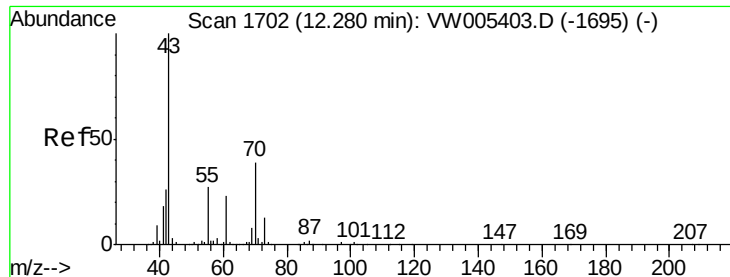
Tgt Ion:117 Resp: 40573
Ion Ratio Lower Upper
117 100
82 58.0 45.9 68.9
119 31.1 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW005504.D
Acq: 19 Sep 2018 04:05

Tgt Ion:152 Resp: 13104
Ion Ratio Lower Upper
152 100
115 62.3 29.5 88.5
150 157.3 0.0 345.6





#74

N-ethyl acetate

Concen: 1.032 ug/l

RT: 12.30 min Scan# 1705

Delta R.T. 0.02 min

Lab File: VW005504.D

Acq: 19 Sep 2018 04:05

Instrument :

MSVOA_W

ClientSampleId :

HD-02-091718RE

Tgt Ion: 43 Resp: 200

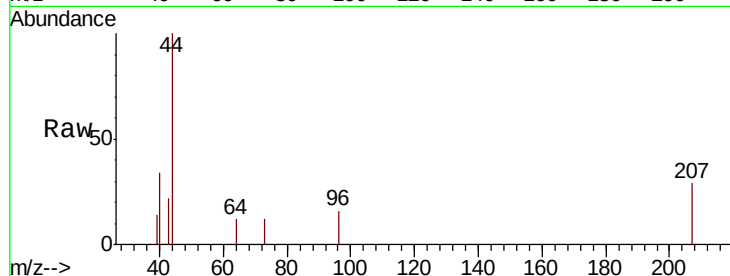
Ion Ratio Lower Upper

43 100

70 14.0 31.9 47.9#

55 11.5 21.4 32.0#

61 0.0 18.3 27.5#

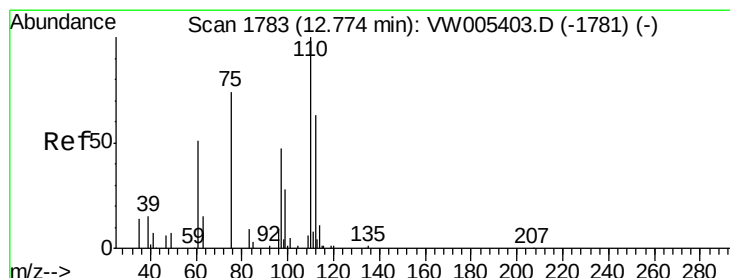
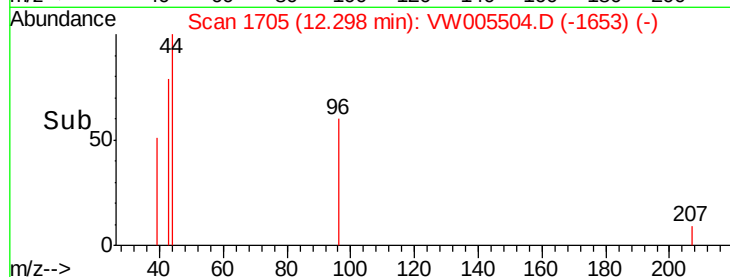
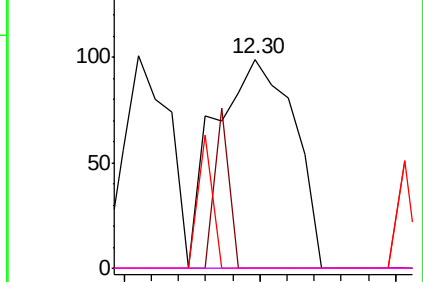


Abundance Ion 43.00 (42.70 to 43.70): VW

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



#76

1,2,3-Trichloropropane

Concen: 57.396 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. -0.15 min

Lab File: VW005504.D

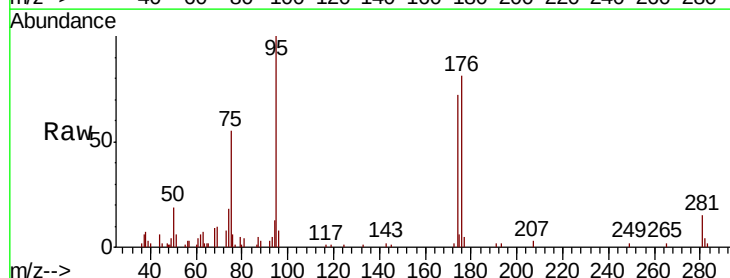
Acq: 19 Sep 2018 04:05

Tgt Ion: 75 Resp: 6186

Ion Ratio Lower Upper

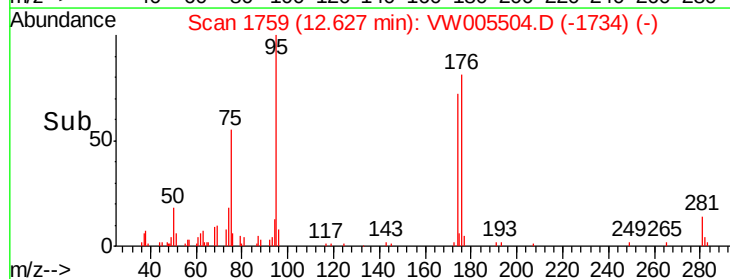
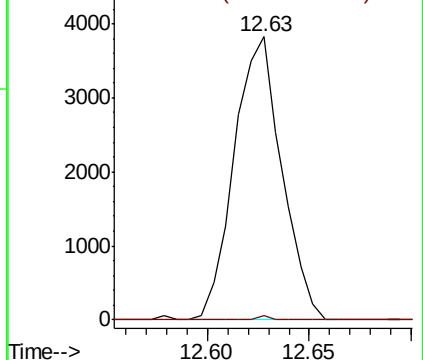
75 100

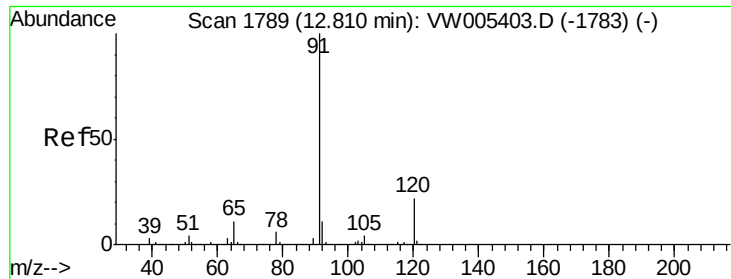
77 0.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#78

n-propylbenzene

Concen: 1.850 ug/l

RT: 12.82 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VW005504.D

Acq: 19 Sep 2018 04:05

Instrument :

MSVOA_W

ClientSampleId :

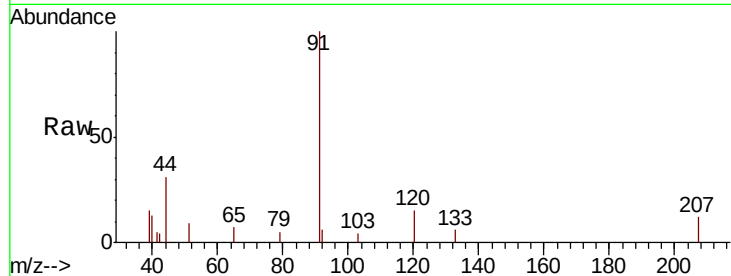
HD-02-091718RE

Tgt Ion: 91 Resp: 2053

Ion Ratio Lower Upper

91 100

120 17.2 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

1500

1200

500

0

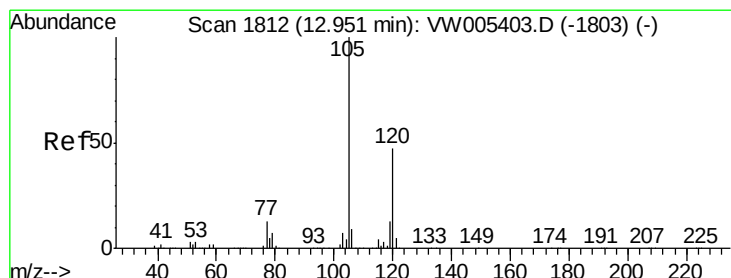
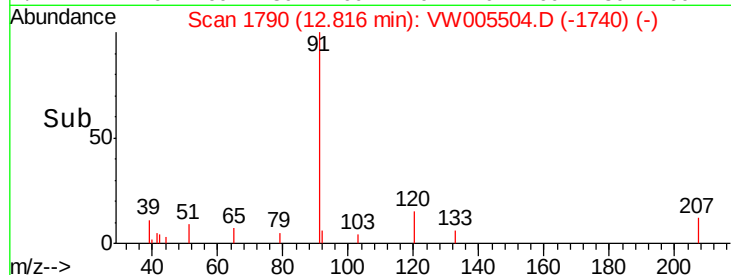
Time-->

12.75

12.80

12.82

12.85



#80

1,3,5-Trimethylbenzene

Concen: 3.457 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW005504.D

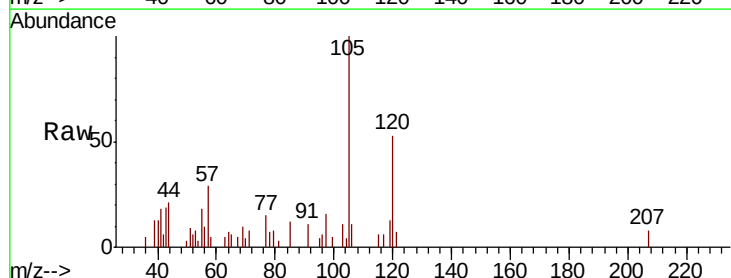
Acq: 19 Sep 2018 04:05

Tgt Ion: 105 Resp: 2773

Ion Ratio Lower Upper

105 100

120 52.8 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

2000

1500

1000

500

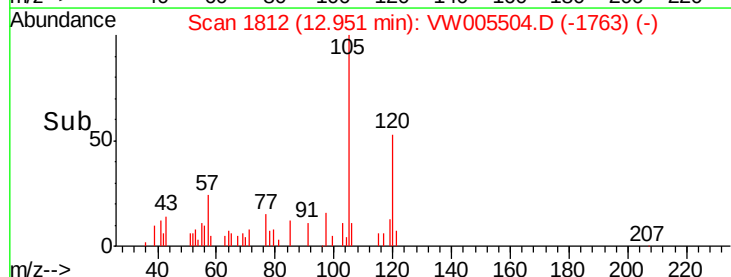
0

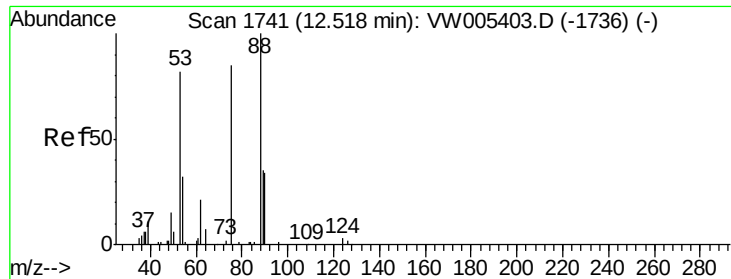
Time-->

12.90

12.95

13.00





#81

trans-1,4-Dichloro-2-butene

Concen: 148.889 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.11 min

Lab File: VW005504.D

Acq: 19 Sep 2018 04:05

Instrument :

MSVOA_W

ClientSampleId :

HD-02-091718RE

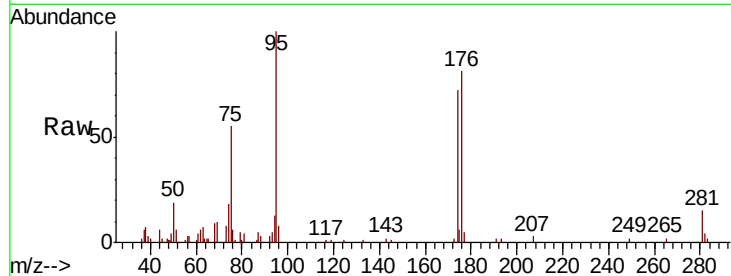
Tgt Ion: 75 Resp: 6186

Ion Ratio Lower Upper

75 100

53 0.0 83.2 124.8#

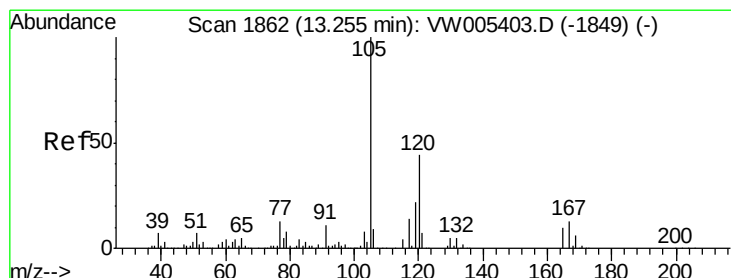
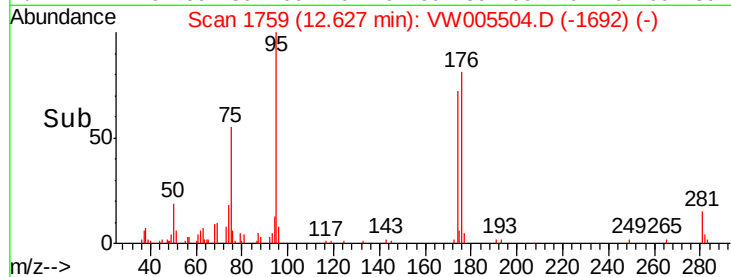
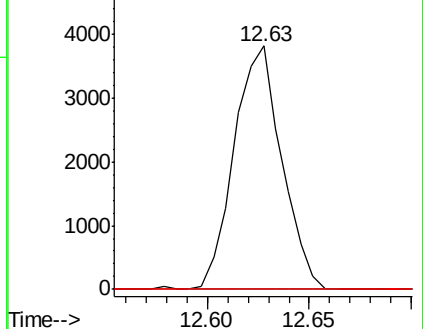
89 0.0 36.6 54.8#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#84

1,2,4-Trimethylbenzene

Concen: 9.800 ug/l

RT: 13.26 min Scan# 1863

Delta R.T. 0.01 min

Lab File: VW005504.D

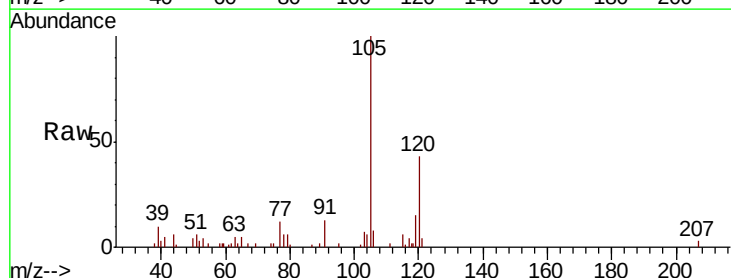
Acq: 19 Sep 2018 04:05

Tgt Ion: 105 Resp: 7981

Ion Ratio Lower Upper

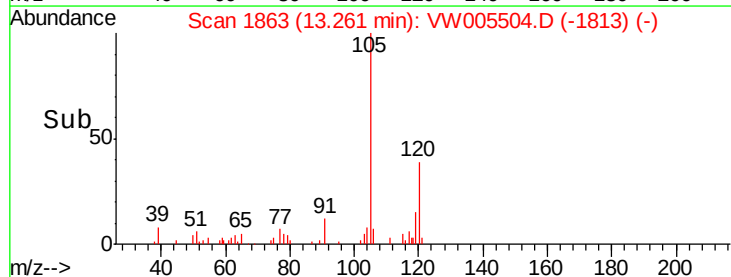
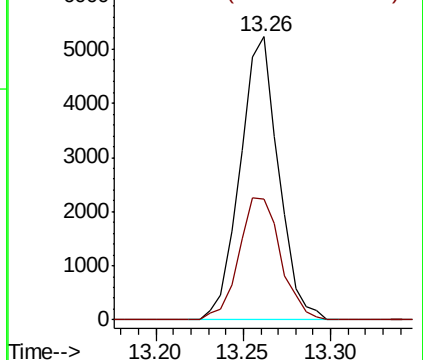
105 100

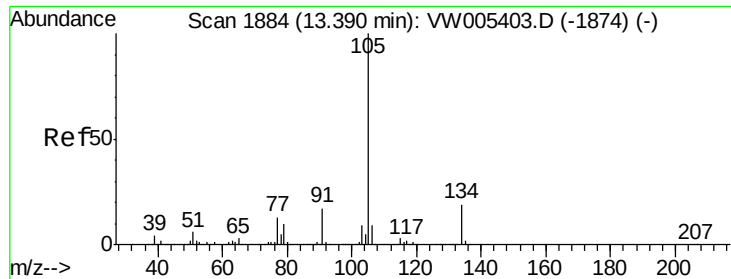
120 46.8 21.8 65.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 1.960 ug/l

RT: 13.40 min Scan# 1885

Delta R.T. 0.01 min

Lab File: VW005504.D

Acq: 19 Sep 2018 04:05

Instrument :

MSVOA_W

ClientSampleId :

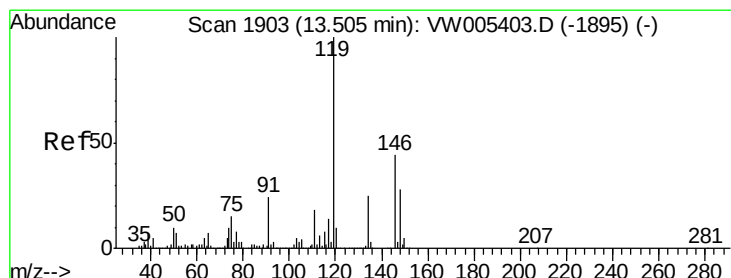
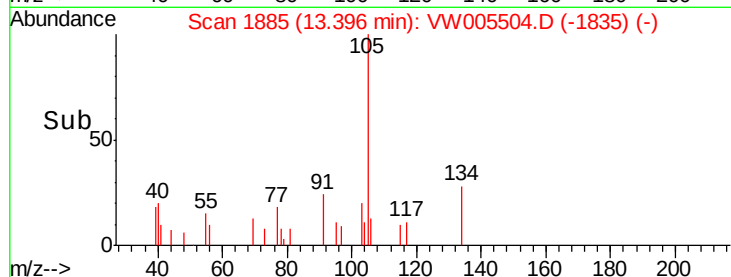
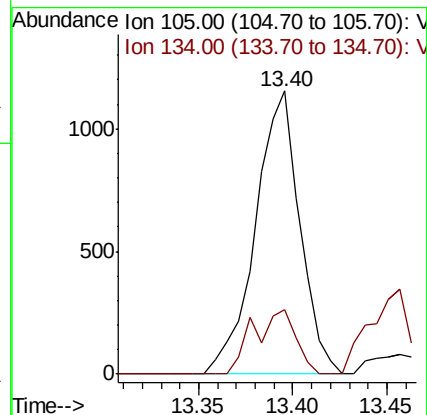
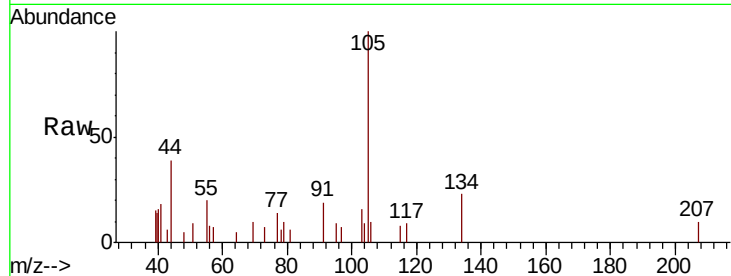
HD-02-091718RE

Tgt Ion:105 Resp: 1887

Ion Ratio Lower Upper

105 100

134 21.8 9.8 29.5



#86

p-Isopropyltoluene

Concen: 1.865 ug/l

RT: 13.45 min Scan# 1894

Delta R.T. -0.05 min

Lab File: VW005504.D

Acq: 19 Sep 2018 04:05

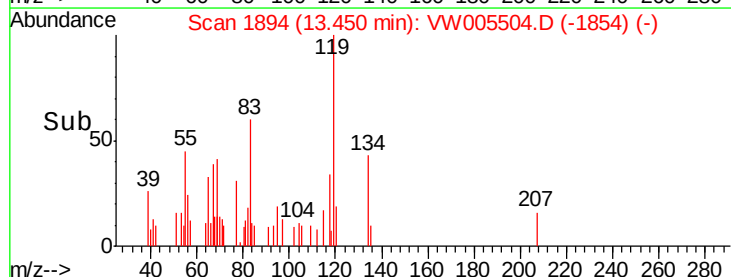
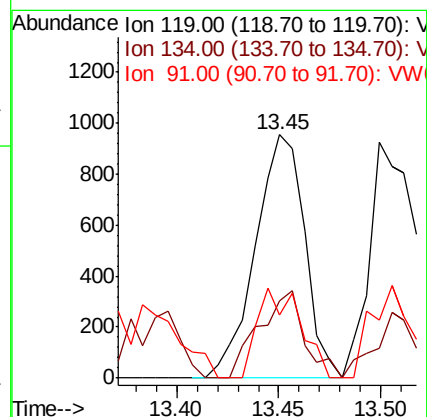
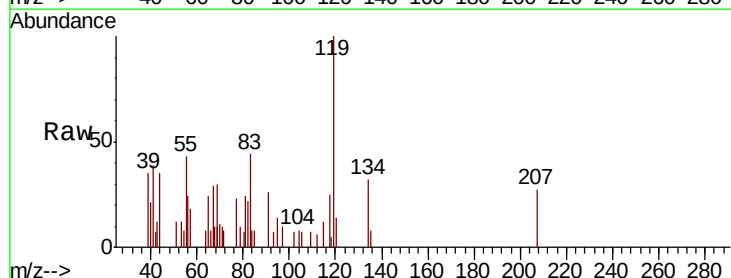
Tgt Ion:119 Resp: 1606

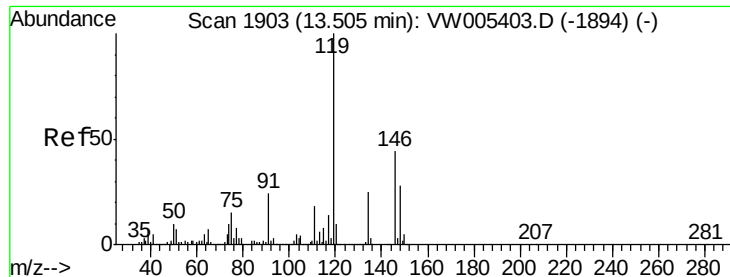
Ion Ratio Lower Upper

119 100

134 33.1 12.6 37.8

91 32.4 12.0 36.0

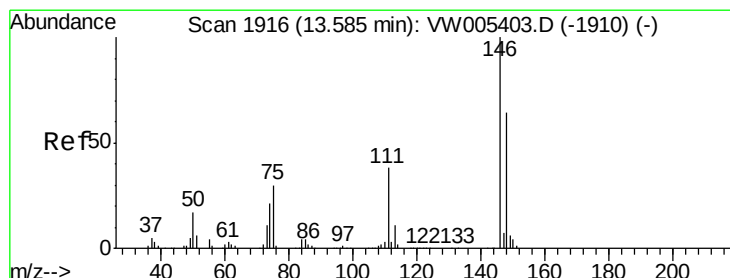
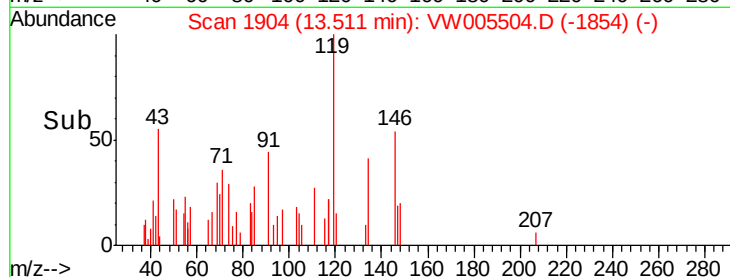
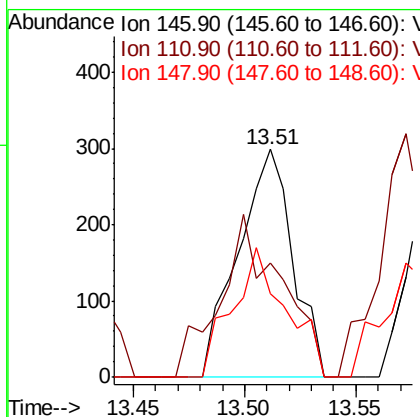
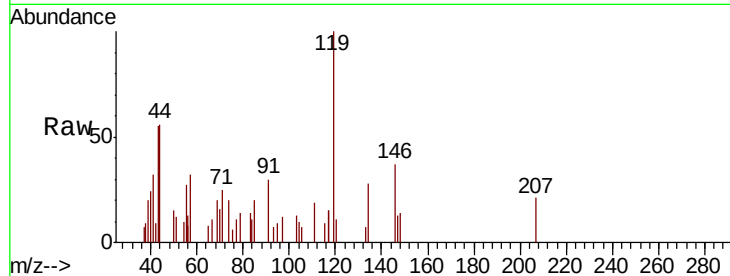




#87
 1,3-Dichlorobenzene
 Concen: 1.155 ug/l
 RT: 13.51 min Scan# 1904
 Delta R.T. 0.01 min
 Lab File: VW005504.D
 Acq: 19 Sep 2018 04:05

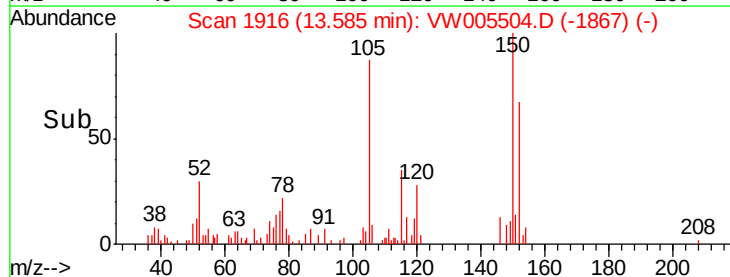
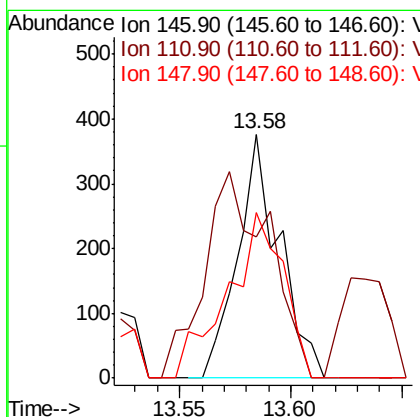
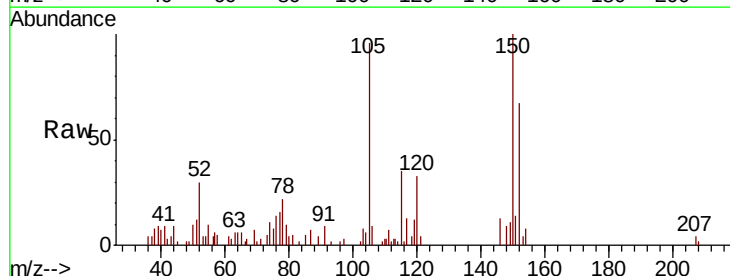
Instrument :
 MSVOA_W
 ClientSampleId :
 HD-02-091718RE

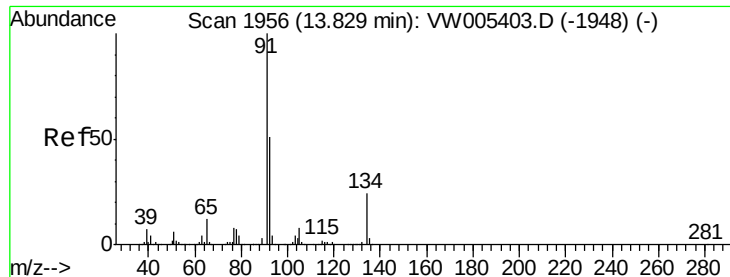
Tgt Ion:146 Resp: 509
 Ion Ratio Lower Upper
 146 100
 111 80.2 20.4 61.2#
 148 55.8 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 1.133 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW005504.D
 Acq: 19 Sep 2018 04:05

Tgt Ion:146 Resp: 492
 Ion Ratio Lower Upper
 146 100
 111 131.3 19.6 58.8#
 148 90.9 31.8 95.4





#89

n-Butylbenzene

Concen: 4.215 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW005504.D

Acq: 19 Sep 2018 04:05

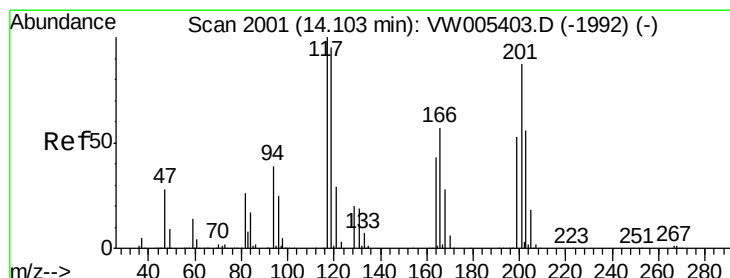
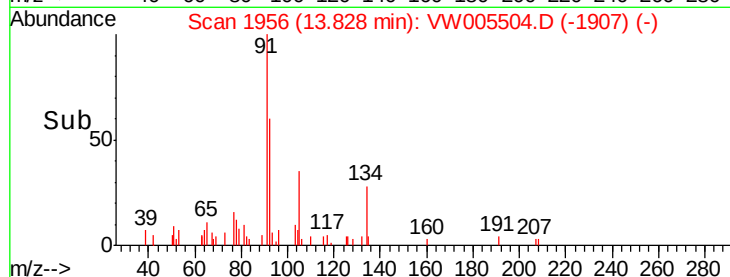
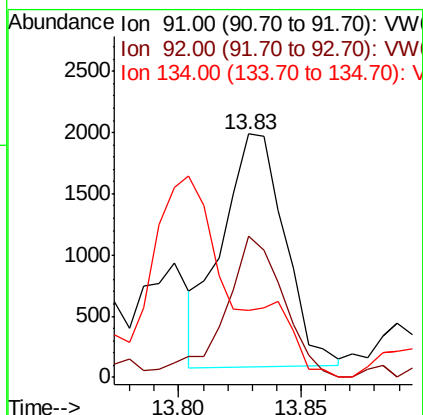
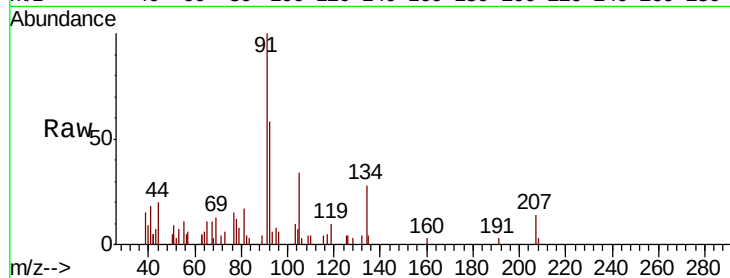
Instrument :

MSVOA_W

ClientSampleId :

HD-02-091718RE

Tgt Ion:	91	Resp:	3379
Ion	Ratio	Lower	Upper
91	100		
92	57.3	26.2	78.6
134	0.0	12.7	38.1#



#90

Hexachloroethane

Concen: 8.304 ug/l

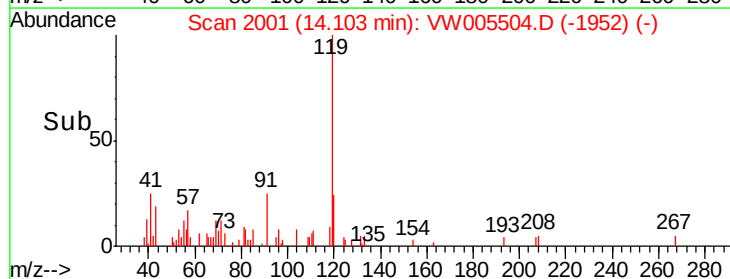
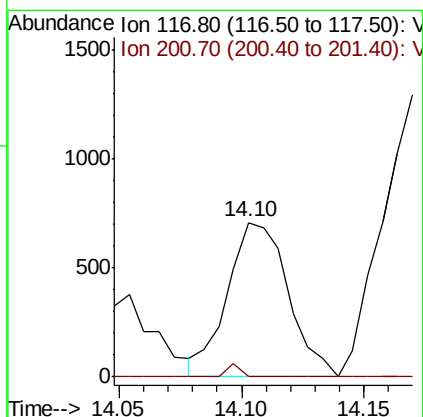
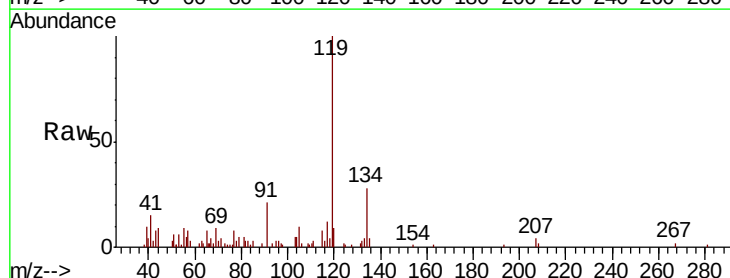
RT: 14.10 min Scan# 2001

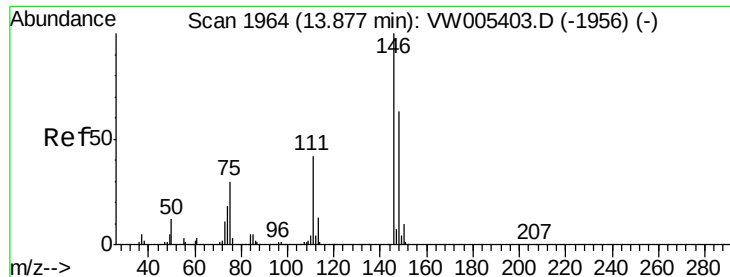
Delta R.T. -0.00 min

Lab File: VW005504.D

Acq: 19 Sep 2018 04:05

Tgt Ion:	117	Resp:	1225
Ion	Ratio	Lower	Upper
117	100		
201	1.9	42.5	127.5#

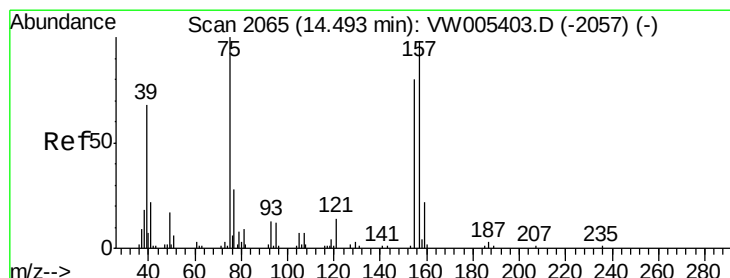
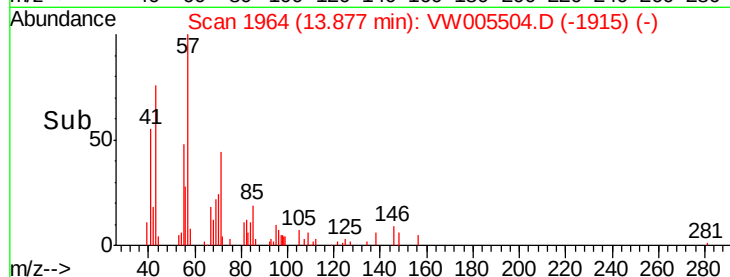
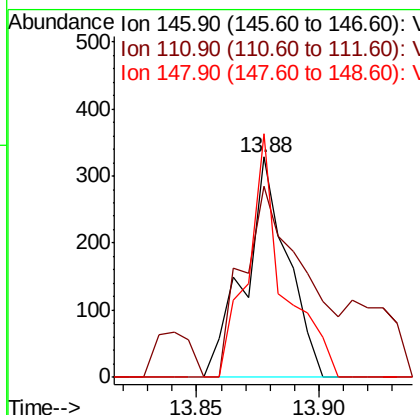
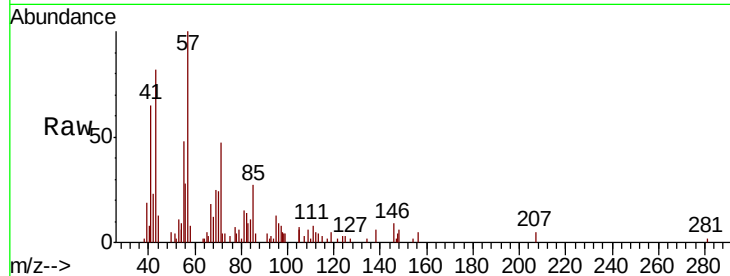




#91
 1,2-Dichlorobenzene
 Concen: 1.038 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW005504.D
 Acq: 19 Sep 2018 04:05

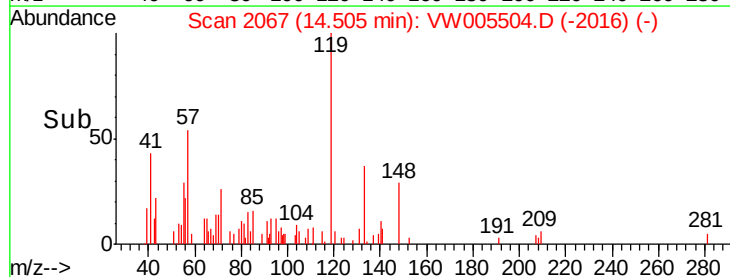
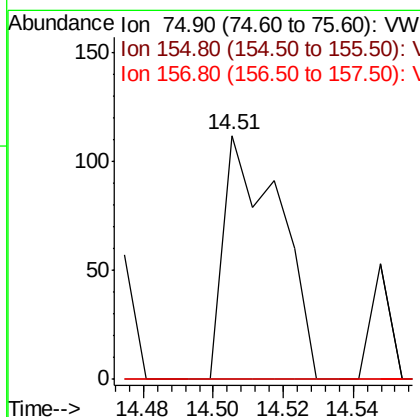
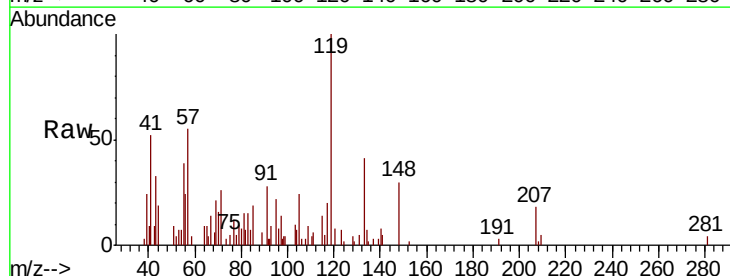
Instrument :
 MSVOA_W
 ClientSampleId :
 HD-02-091718RE

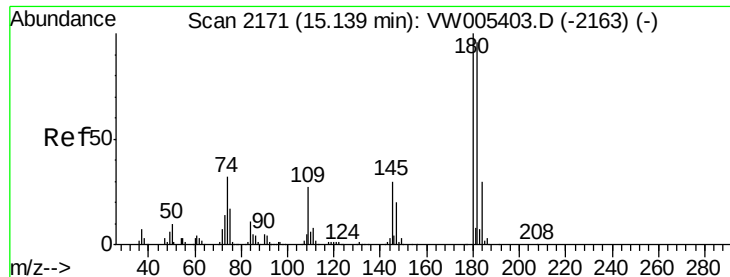
Tgt Ion: 146 Resp: 400
 Ion Ratio Lower Upper
 146 100
 111 124.0 21.0 63.0#
 148 92.0 31.9 95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.853 ug/l
 RT: 14.51 min Scan# 2067
 Delta R.T. 0.01 min
 Lab File: VW005504.D
 Acq: 19 Sep 2018 04:05

Tgt Ion: 75 Resp: 125
 Ion Ratio Lower Upper
 75 100
 155 0.0 39.0 117.0#
 157 0.0 49.9 149.6#

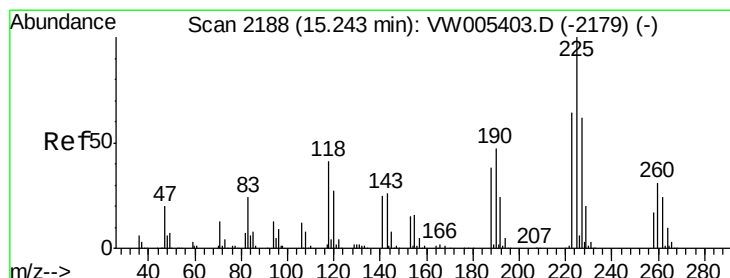
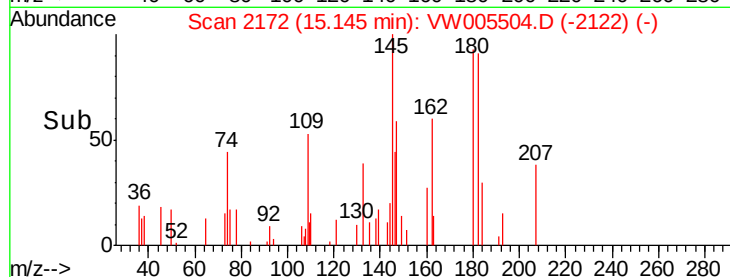
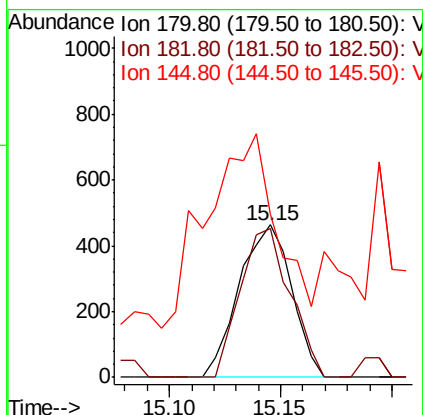
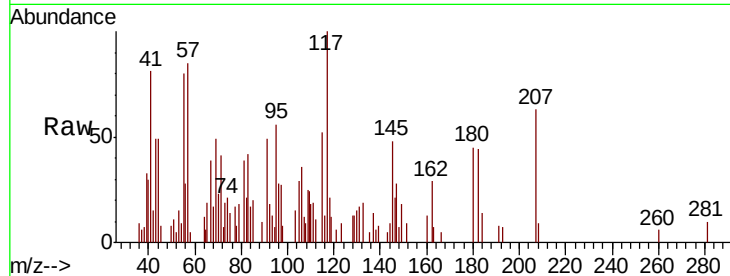




#93
 1,2,4-Trichlorobenzene
 Concen: 2.953 ug/l
 RT: 15.15 min Scan# 2172
 Delta R.T. 0.01 min
 Lab File: VW005504.D
 Acq: 19 Sep 2018 04:05

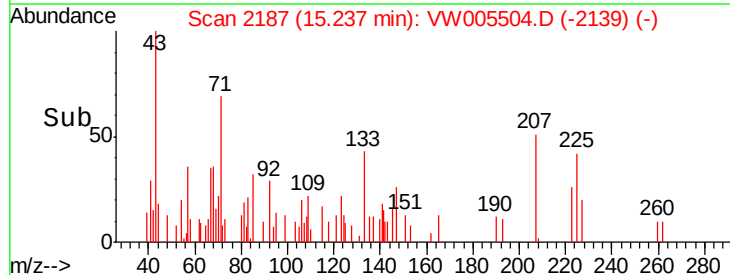
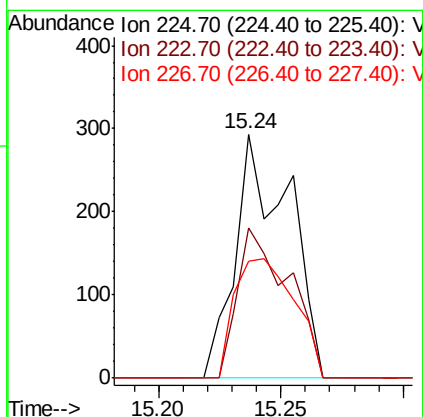
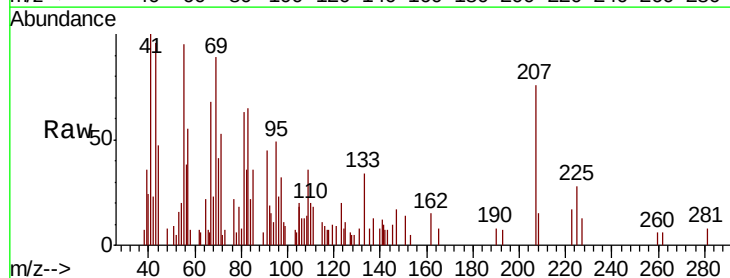
Instrument :
 MSVOA_W
 ClientSampleId :
 HD-02-091718RE

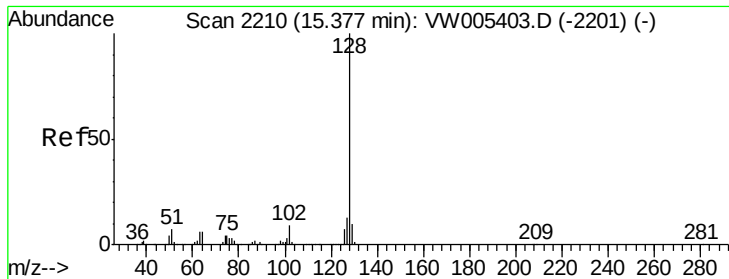
Tgt Ion:180 Resp: 759
 Ion Ratio Lower Upper
 180 100
 182 93.3 47.3 141.9
 145 249.3 14.8 44.3#



#94
 Hexachlorobutadiene
 Concen: 2.651 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW005504.D
 Acq: 19 Sep 2018 04:05

Tgt Ion:225 Resp: 445
 Ion Ratio Lower Upper
 225 100
 223 58.7 31.2 93.6
 227 55.1 31.6 95.0





#95

Naphthalene

Concen: 5.405 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW005504.D

Acq: 19 Sep 2018 04:05

Instrument :

MSVOA_W

ClientSampleId :

HD-02-091718RE

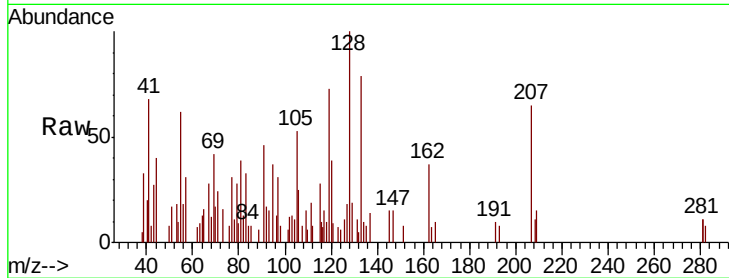
Tgt Ion:128 Resp: 2315

Ion Ratio Lower Upper

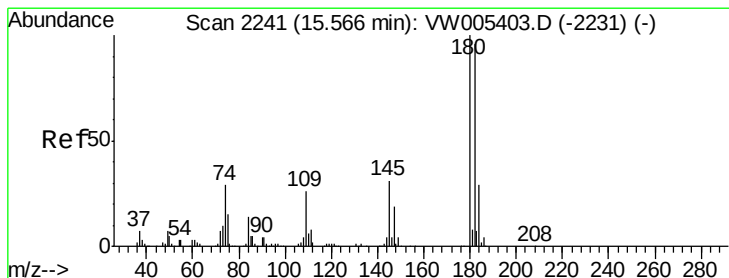
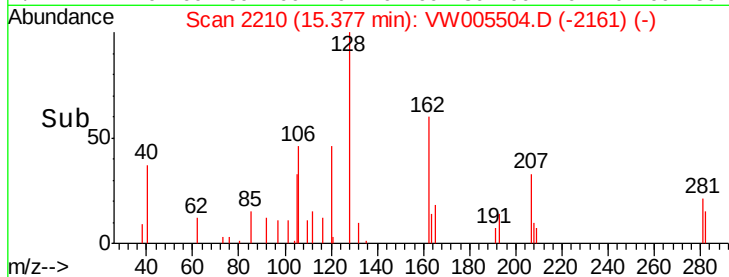
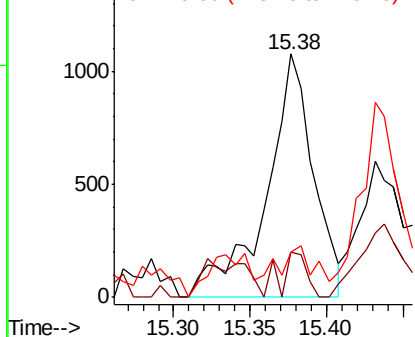
128 100

127 9.8 11.0 16.4#

129 9.8 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



#96

1,2,3-Trichlorobenzene

Concen: 4.052 ug/l

RT: 15.57 min Scan# 2241

Delta R.T. -0.00 min

Lab File: VW005504.D

Acq: 19 Sep 2018 04:05

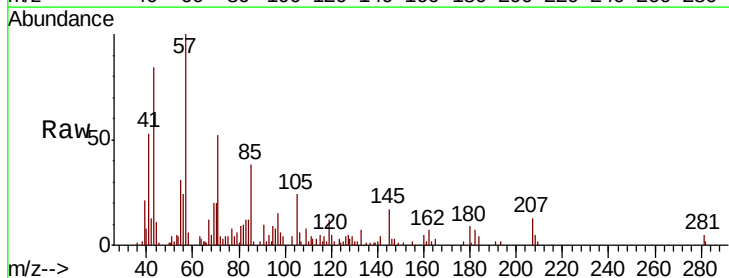
Tgt Ion:180 Resp: 909

Ion Ratio Lower Upper

180 100

182 99.7 48.1 144.4

145 205.0 15.9 47.7#



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

