

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092518\
 Data File : VW005642.D
 Acq On : 26 Sep 2018 06:47
 Operator : VA/AP
 Sample : J5061-01RE
 Misc : 5.94G/5ML/MSVOA_W/SOIL
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 230-KV-ARE

Quant Time: Sep 26 07:13:23 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

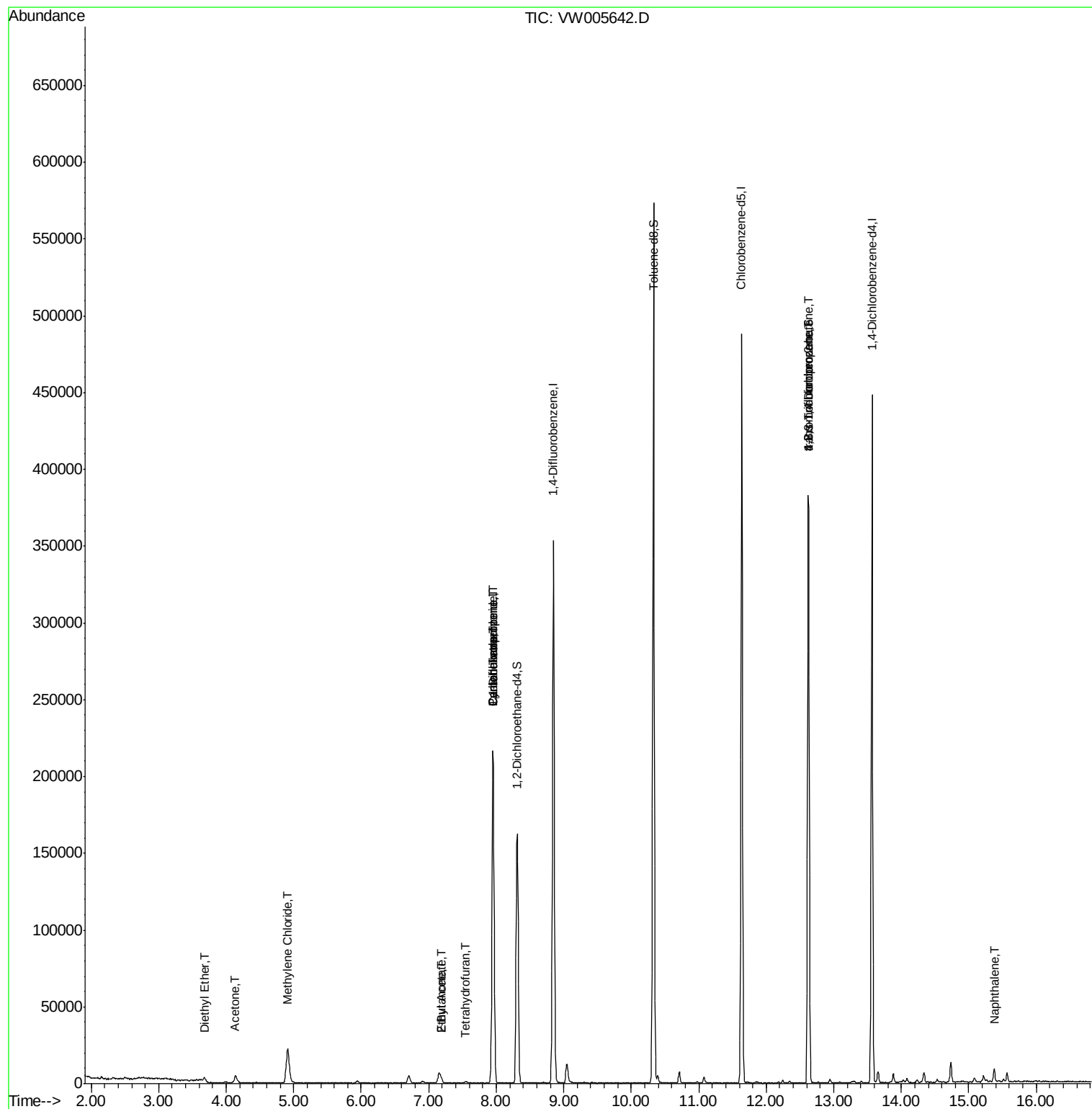
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	160379	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	287491	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	270200	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	117314	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	138558	73.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	146.68%	
35) Dibromofluoromethane	7.95	113	300	0.17	ug/l	0.07
Spiked Amount 50.000			Recovery	=	0.34%	
50) Toluene-d8	10.33	98	371298	50.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.88%	
62) 4-Bromofluorobenzene	12.62	95	124268	45.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.24%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.01	85	26	Below Cal	#	41
8) Diethyl Ether	3.68	74	1602	2.035	ug/l	78
11) Tert butyl alcohol	5.21	59	78	Below Cal	#	72
13) Acrolein	3.90	56	30	Below Cal	#	11
16) Acetone	4.14	43	8277	19.153	ug/l #	85
20) Methylene Chloride	4.91	84	17579	7.456	ug/l	95
25) 2-Butanone	7.19	43	3785	8.248	ug/l #	90
29) Tetrahydrofuran	7.55	42	654	2.281	ug/l #	86
31) Cyclohexane	7.95	56	3674	1.254	ug/l #	10
36) 1,1-Dichloropropene	7.95	75	12468	4.308	ug/l #	51
37) Ethyl Acetate	7.19	43	3785	3.108	ug/l #	72
38) Carbon Tetrachloride	7.96	117	16267	5.245	ug/l #	14
76) 1,2,3-Trichloropropane	12.62	75	65064	65.063	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	65064	146.540	ug/l #	7
95) Naphthalene	15.38	128	7606	1.842	ug/l #	95

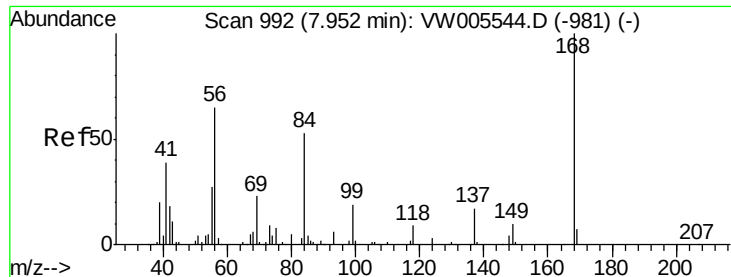
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW005642.D

Acq: 26 Sep 2018 06:47

Instrument :

MSVOA_W

ClientSampleId :

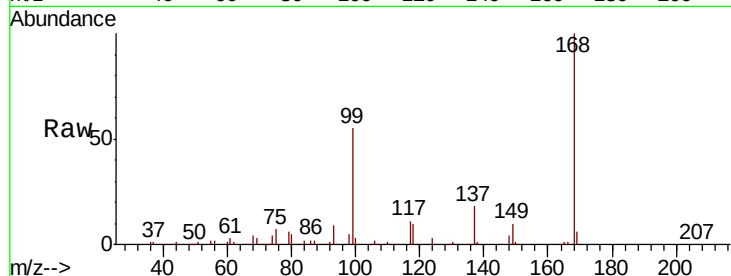
230-KV-ARE

Tgt Ion:168 Resp: 160379

Ion Ratio Lower Upper

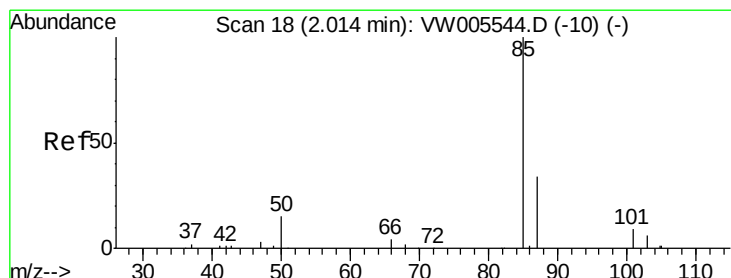
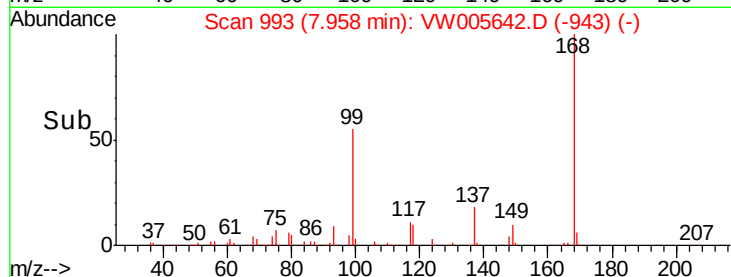
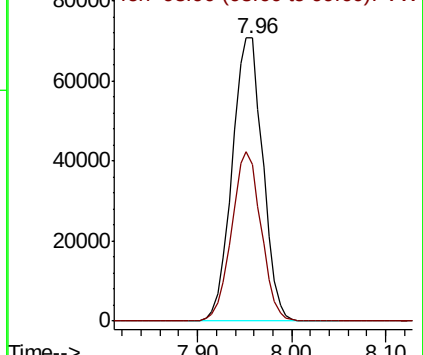
168 100

99 55.4 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW005642.D

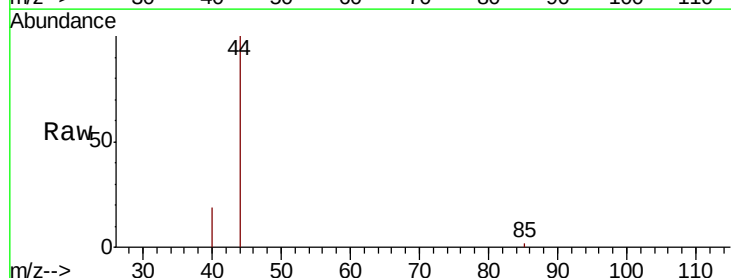
Acq: 26 Sep 2018 06:47

Tgt Ion: 85 Resp: 26

Ion Ratio Lower Upper

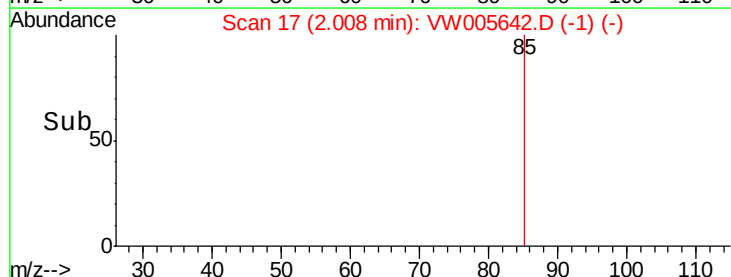
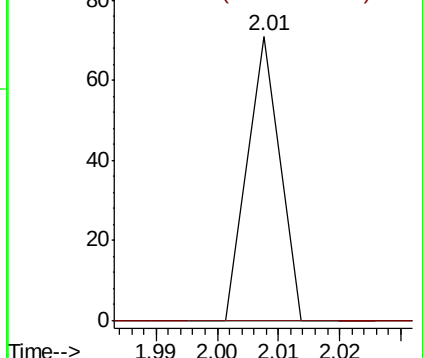
85 100

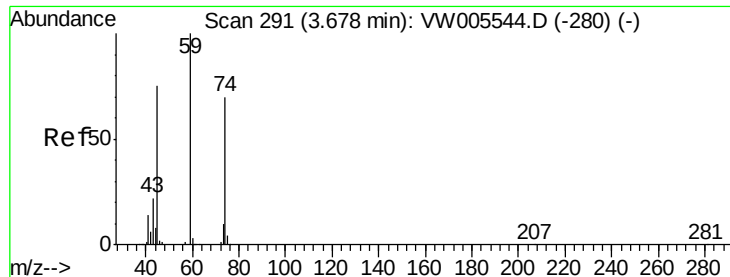
87 0.0 17.0 50.9#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#8

Diethyl Ether

Concen: 2.035 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW005642.D

Acq: 26 Sep 2018 06:47

Instrument :

MSVOA_W

ClientSampleId :

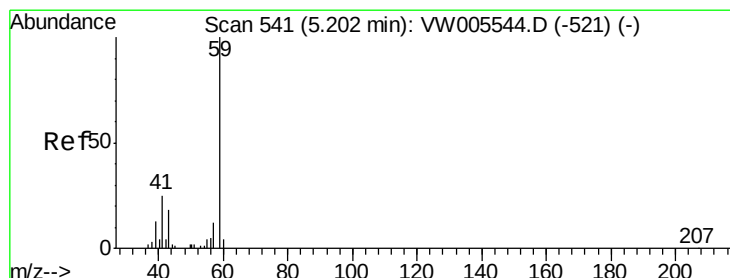
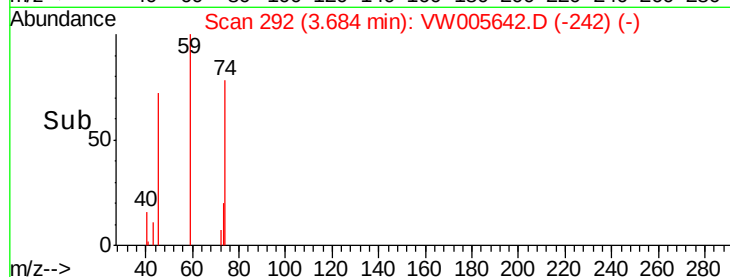
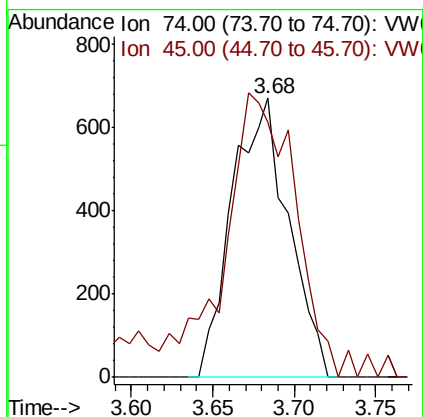
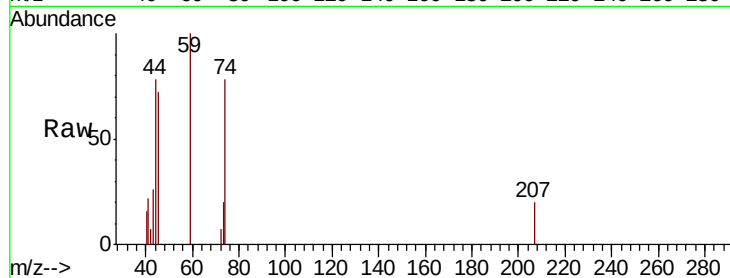
230-KV-ARE

Tgt Ion: 74 Resp: 1602

Ion Ratio Lower Upper

74 100

45 125.9 51.7 155.2



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.21 min Scan# 543

Delta R.T. 0.01 min

Lab File: VW005642.D

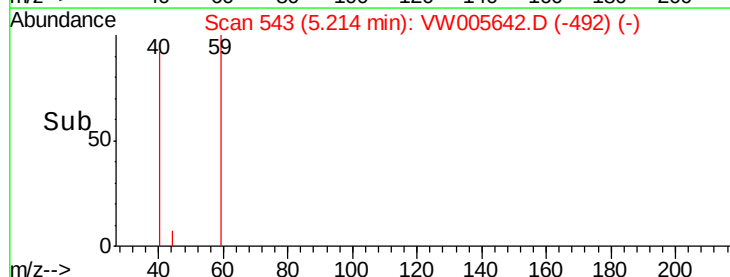
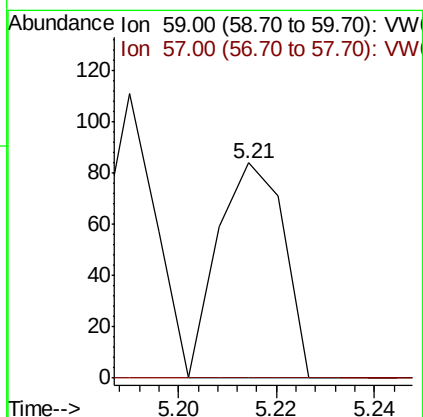
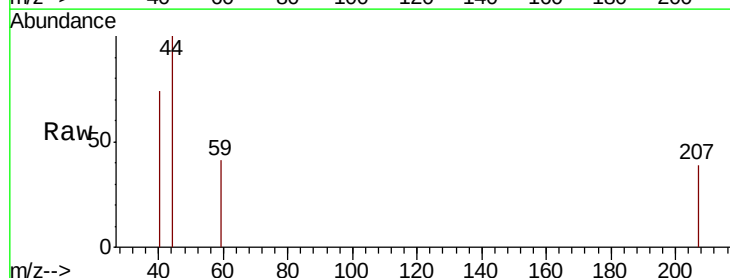
Acq: 26 Sep 2018 06:47

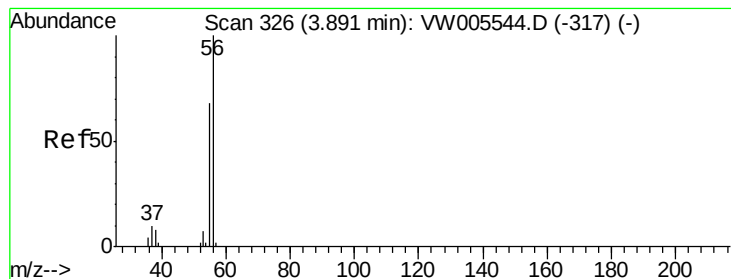
Tgt Ion: 59 Resp: 78

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#





#13

Acrolein

Concen: Below Cal

RT: 3.90 min Scan# 328

Delta R.T. 0.01 min

Lab File: VW005642.D

Acq: 26 Sep 2018 06:47

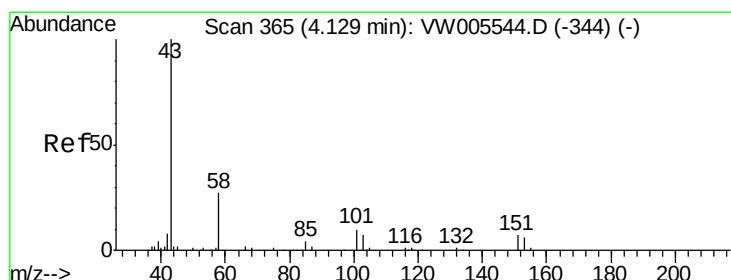
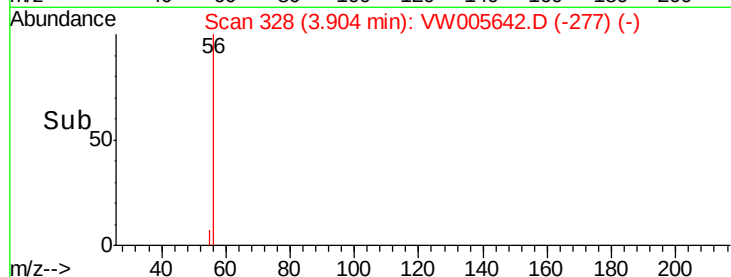
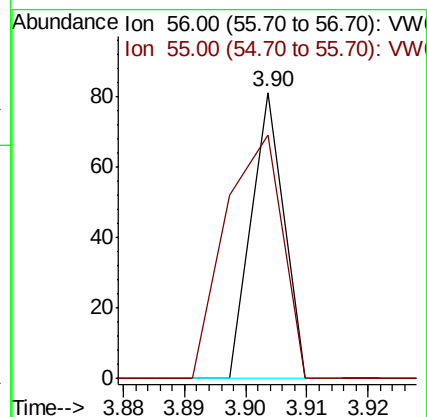
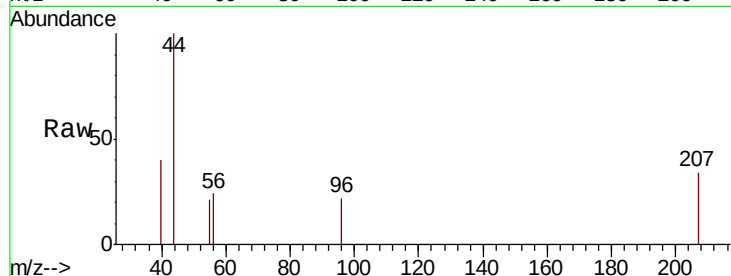
Instrument :
MSVOA_W
ClientSampleId :
230-KV-ARE

Tgt Ion: 56 Resp: 30

Ion Ratio Lower Upper

56 100

55 146.7 57.8 86.8#



#16

Acetone

Concen: 19.153 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW005642.D

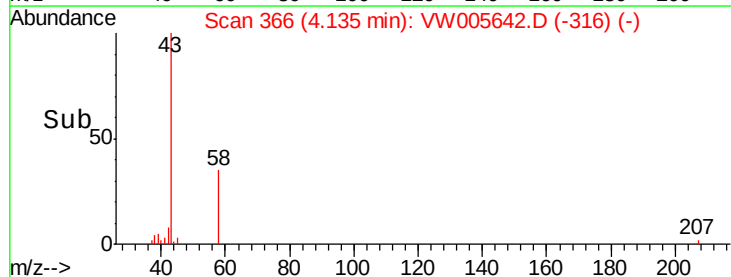
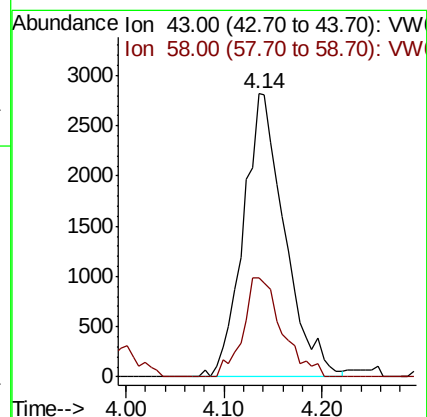
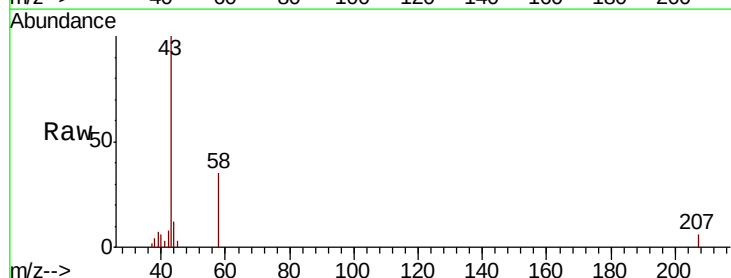
Acq: 26 Sep 2018 06:47

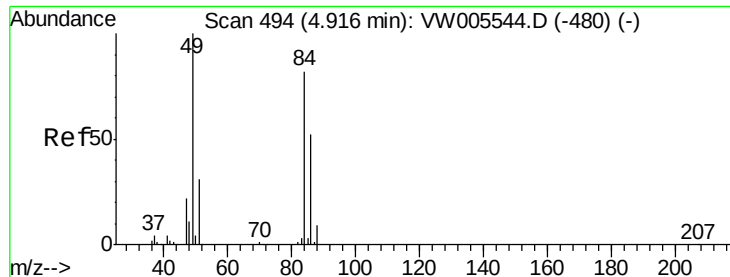
Tgt Ion: 43 Resp: 8277

Ion Ratio Lower Upper

43 100

58 35.0 21.8 32.8#

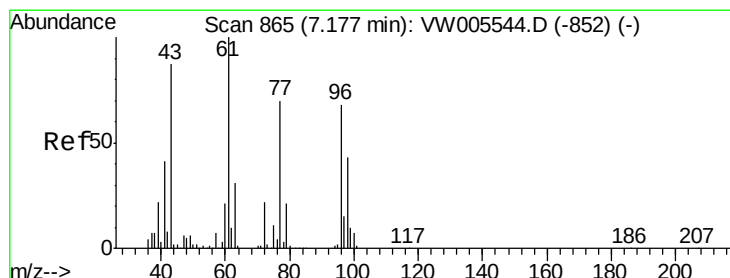
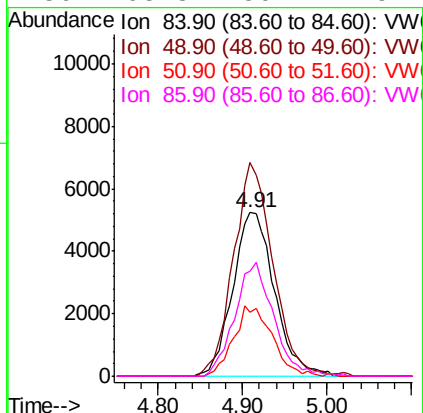
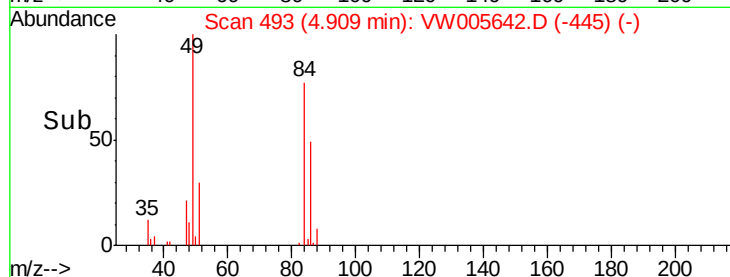
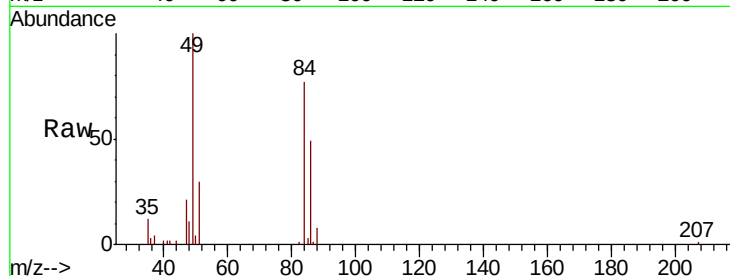




#20
Methylene Chloride
Concen: 7.456 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW005642.D
Acq: 26 Sep 2018 06:47

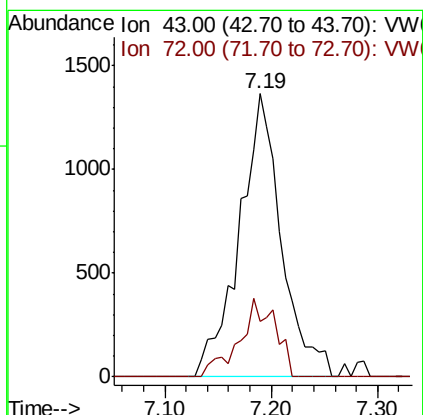
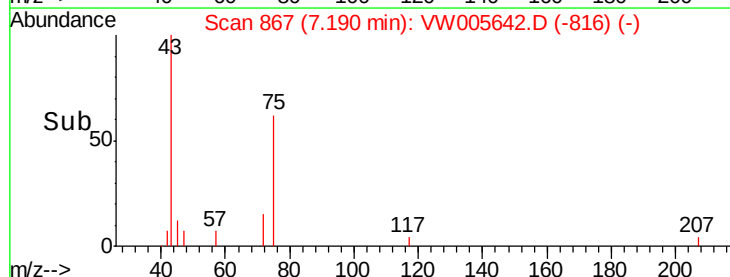
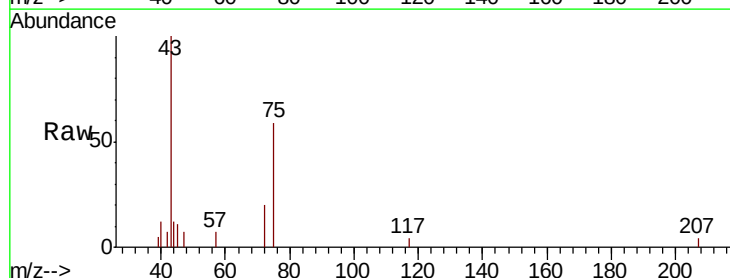
Instrument :
MSVOA_W
ClientSampleId :
230-KV-ARE

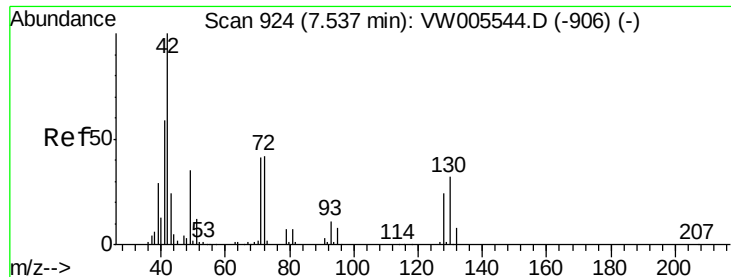
Tgt Ion: 84 Resp: 17579
Ion Ratio Lower Upper
84 100
49 130.5 97.0 145.6
51 38.8 30.2 45.2
86 63.8 50.2 75.4



#25
2-Butanone
Concen: 8.248 ug/l
RT: 7.19 min Scan# 867
Delta R.T. 0.01 min
Lab File: VW005642.D
Acq: 26 Sep 2018 06:47

Tgt Ion: 43 Resp: 3785
Ion Ratio Lower Upper
43 100
72 19.8 19.9 29.9#

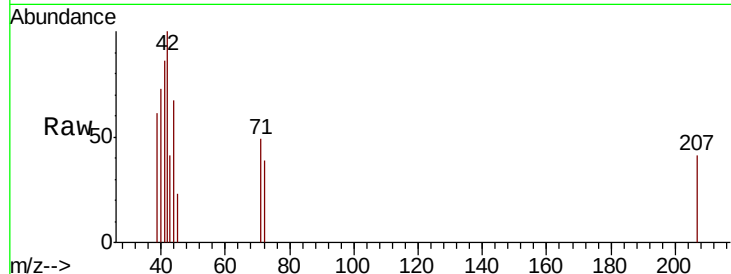




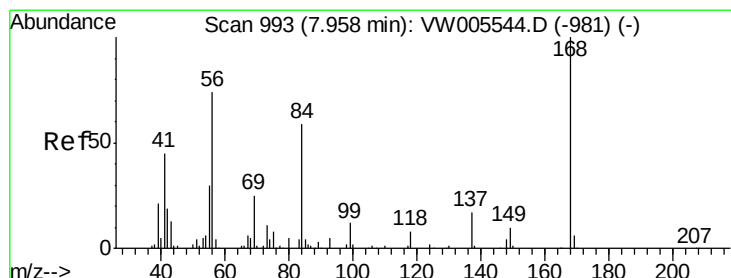
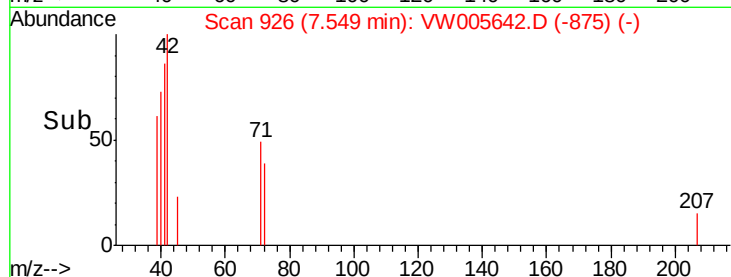
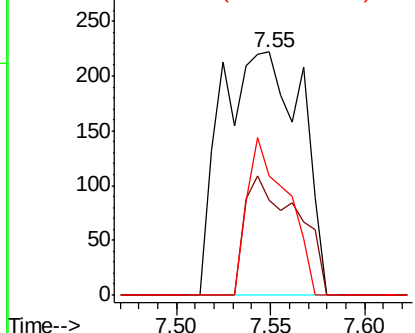
#29
Tetrahydrofuran
Concen: 2.281 ug/l
RT: 7.55 min Scan# 926
Delta R.T. 0.01 min
Lab File: VW005642.D
Acq: 26 Sep 2018 06:47

Instrument :
MSVOA_W
ClientSampleId :
230-KV-ARE

Tgt Ion: 42 Resp: 654
Ion Ratio Lower Upper
42 100
72 32.0 33.6 50.4#
71 32.4 31.8 47.6

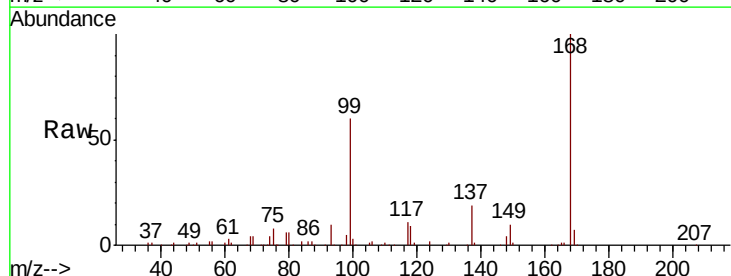


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

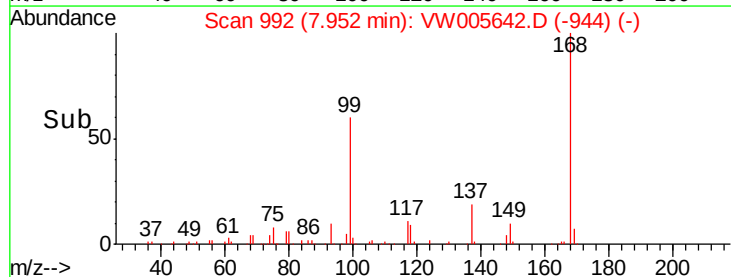
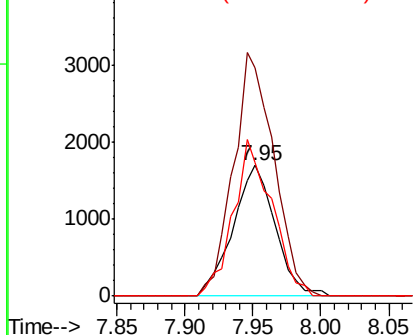


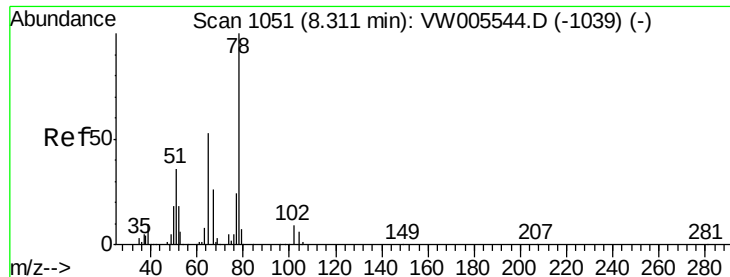
#31
Cyclohexane
Concen: 1.254 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW005642.D
Acq: 26 Sep 2018 06:47

Tgt Ion: 56 Resp: 3674
Ion Ratio Lower Upper
56 100
69 174.8 27.0 40.4#
84 101.9 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

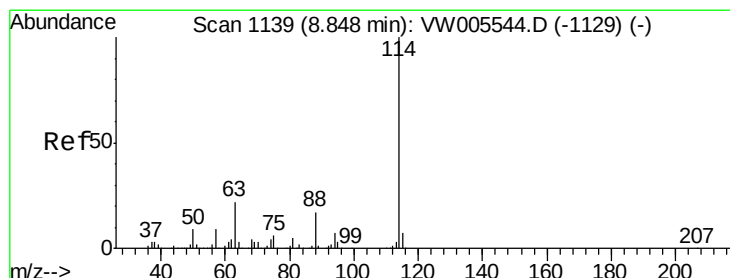
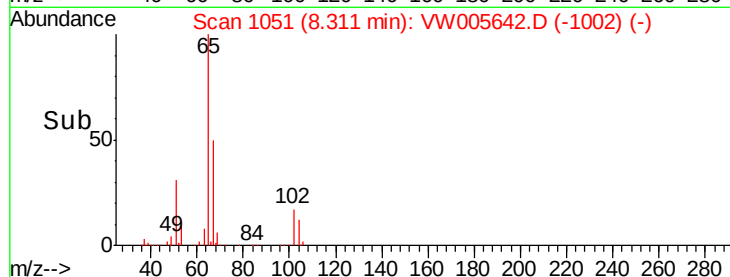
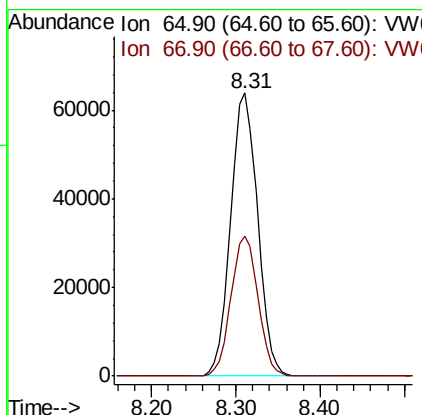
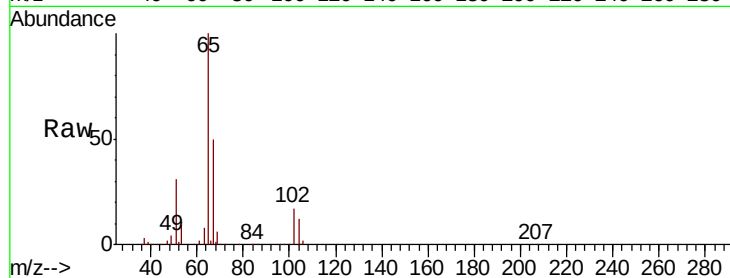




#33
 1,2-Dichloroethane-d4
 Concen: 73.335 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW005642.D
 Acq: 26 Sep 2018 06:47

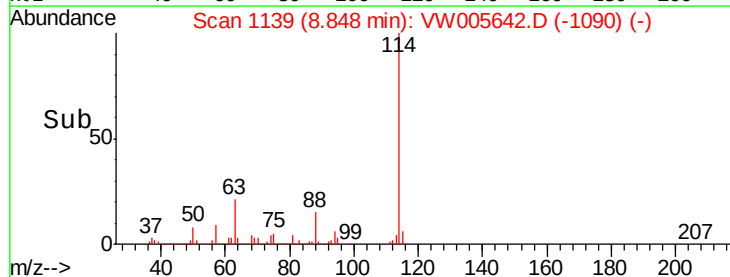
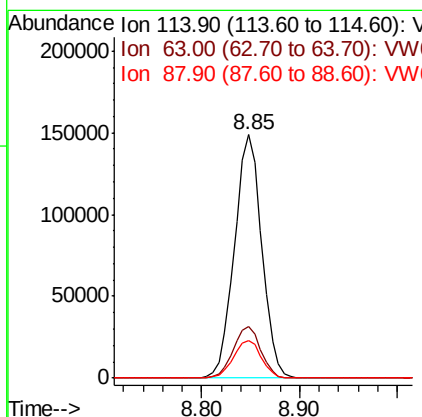
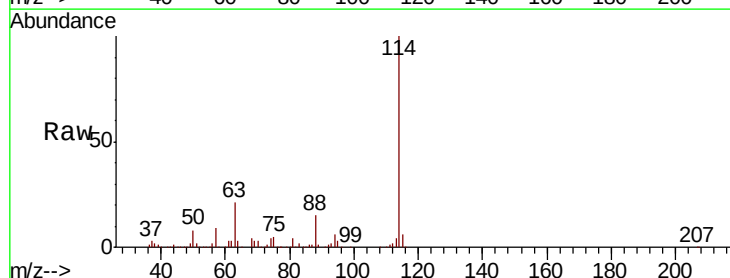
Instrument :
 MSVOA_W
 ClientSampleId :
 230-KV-ARE

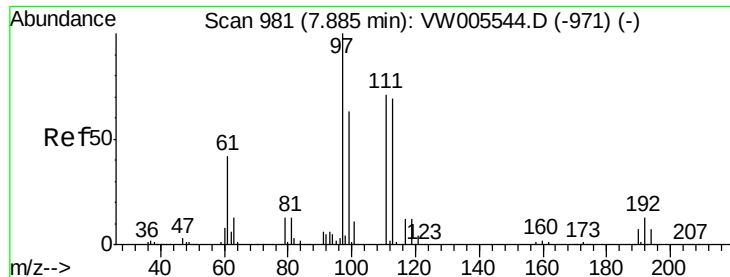
Tgt Ion: 65 Resp: 138558
 Ion Ratio Lower Upper
 65 100
 67 49.5 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005642.D
 Acq: 26 Sep 2018 06:47

Tgt Ion: 114 Resp: 287491
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 43.0
 88 15.5 0.0 33.0





#35

Dibromofluoromethane

Concen: 0.166 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.07 min

Lab File: VW005642.D

Acq: 26 Sep 2018 06:47

Instrument :

MSVOA_W

ClientSampled :

230-KV-ARE

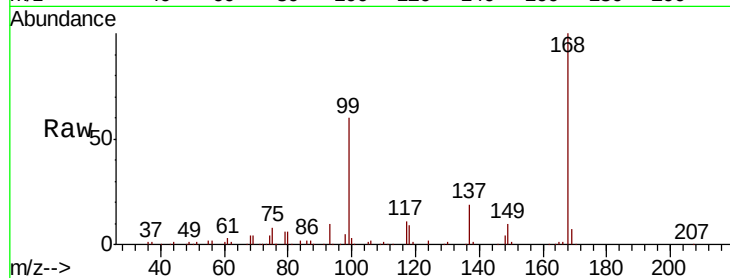
Tgt Ion:113 Resp: 300

Ion Ratio Lower Upper

113 100

111 109.7 82.6 123.8

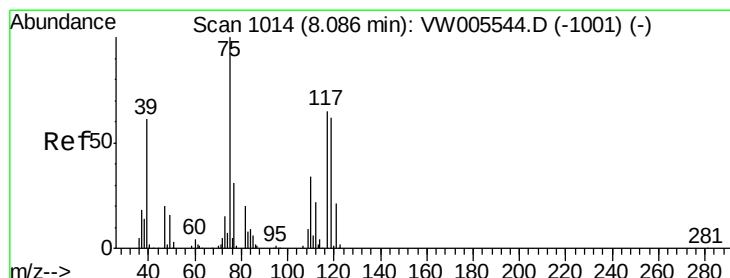
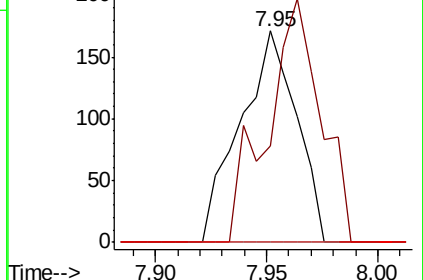
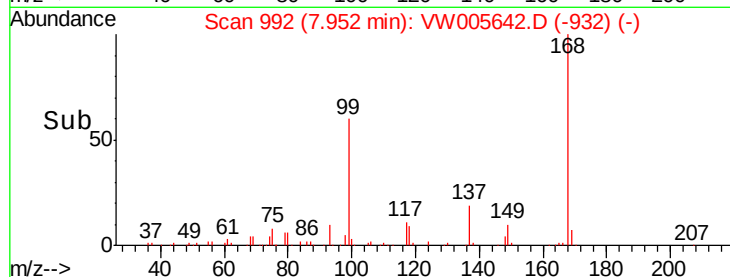
192 0.0 17.0 25.4#



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.308 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW005642.D

Acq: 26 Sep 2018 06:47

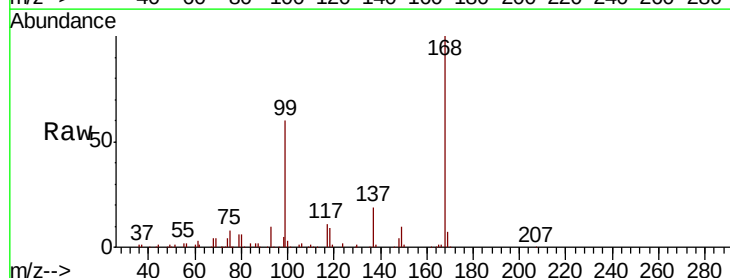
Tgt Ion: 75 Resp: 12468

Ion Ratio Lower Upper

75 100

110 10.0 17.0 50.9#

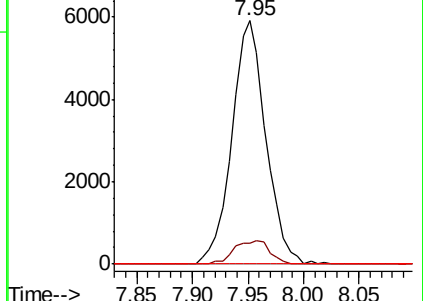
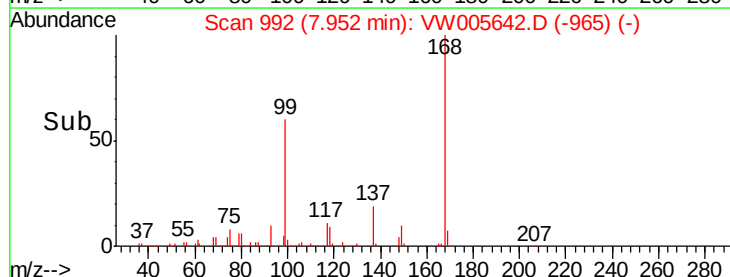
77 0.0 24.8 37.2#

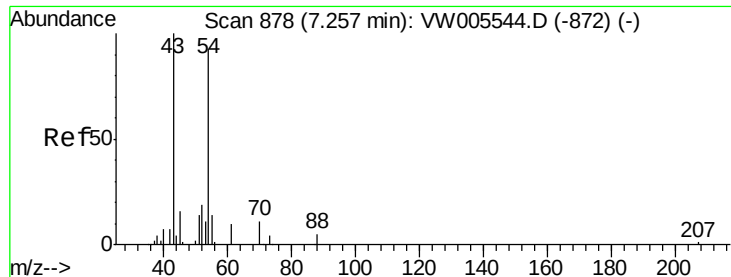


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

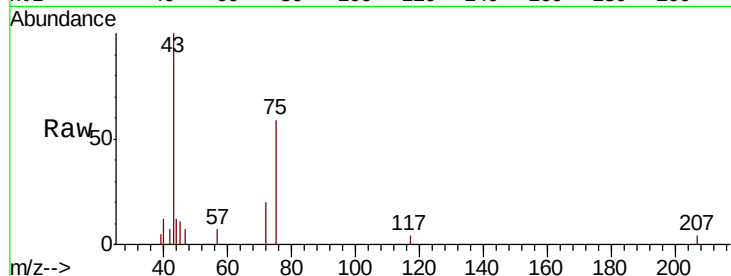




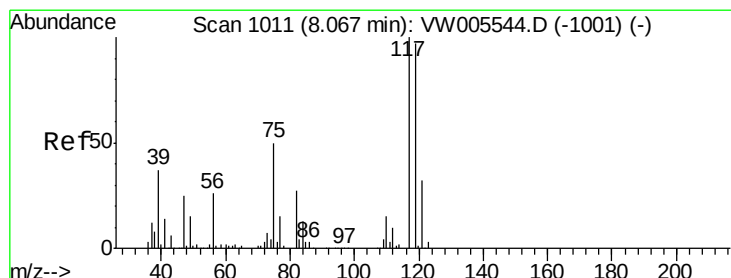
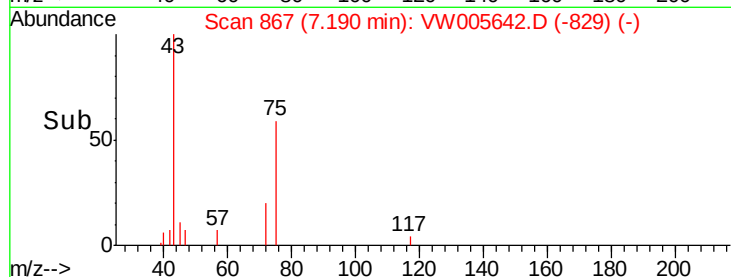
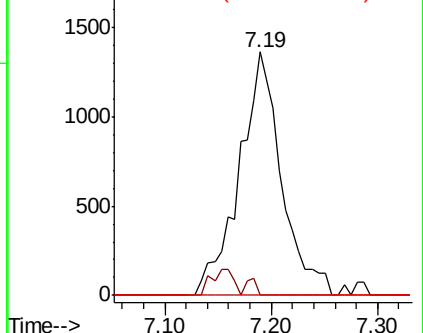
#37
Ethyl Acetate
Concen: 3.108 ug/l
RT: 7.19 min Scan# 867
Delta R.T. -0.07 min
Lab File: VW005642.D
Acq: 26 Sep 2018 06:47

Instrument :
MSVOA_W
ClientSampleId :
230-KV-ARE

Tgt Ion: 43 Resp: 3785
Ion Ratio Lower Upper
43 100
61 1.7 10.4 15.6#
70 0.0 8.2 12.2#

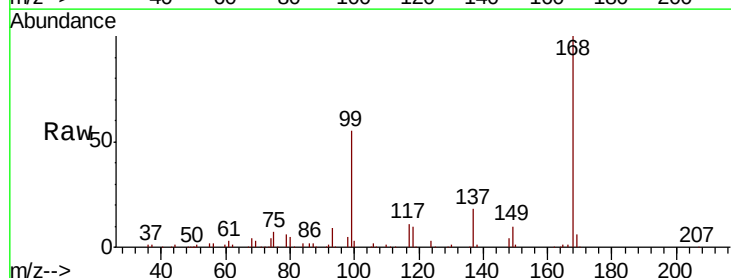


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

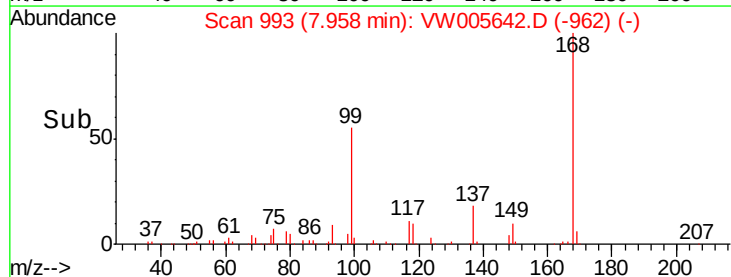
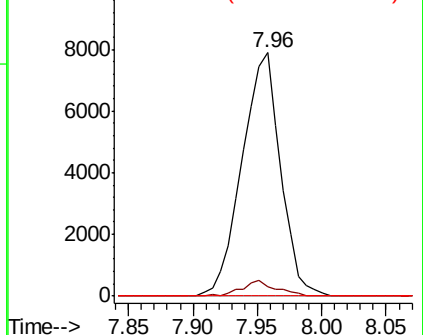


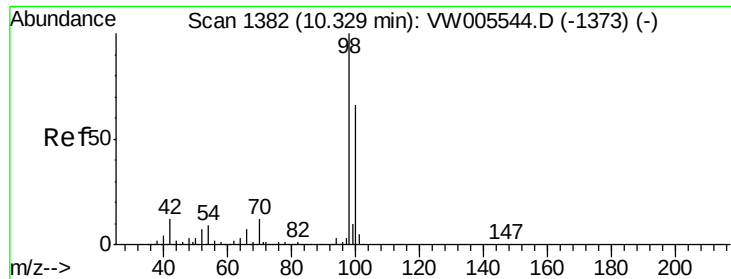
#38
Carbon Tetrachloride
Concen: 5.245 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.11 min
Lab File: VW005642.D
Acq: 26 Sep 2018 06:47

Tgt Ion: 117 Resp: 16267
Ion Ratio Lower Upper
117 100
119 3.6 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





#50

Toluene-d8

Concen: 50.438 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005642.D

Acq: 26 Sep 2018 06:47

Instrument :

MSVOA_W

ClientSampleId :

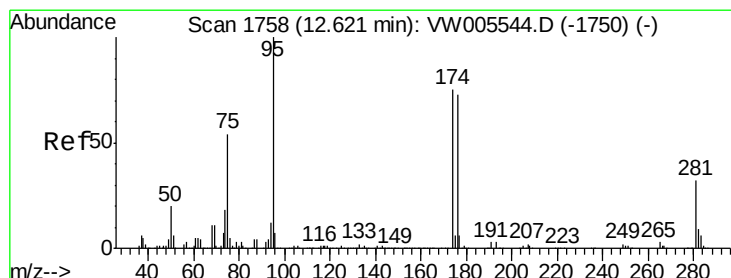
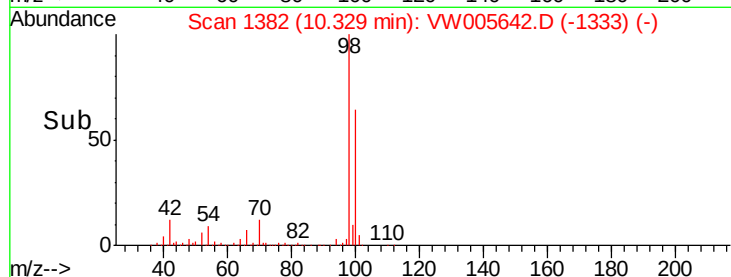
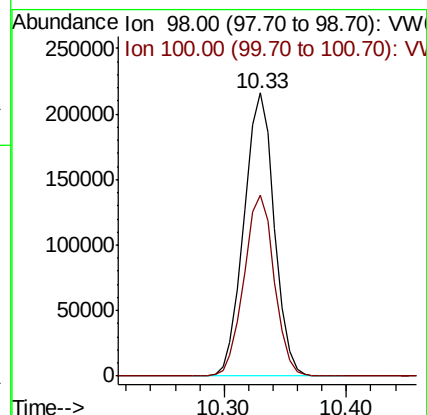
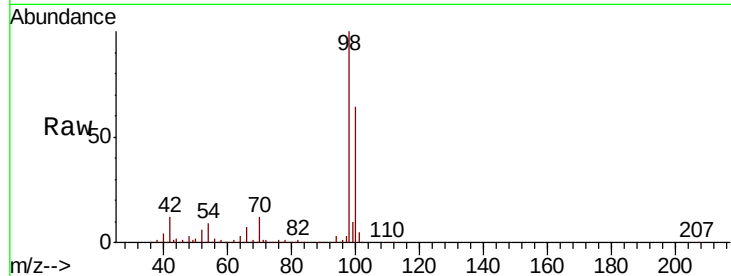
230-KV-ARE

Tgt Ion: 98 Resp: 371298

Ion Ratio Lower Upper

98 100

100 64.0 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 45.621 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW005642.D

Acq: 26 Sep 2018 06:47

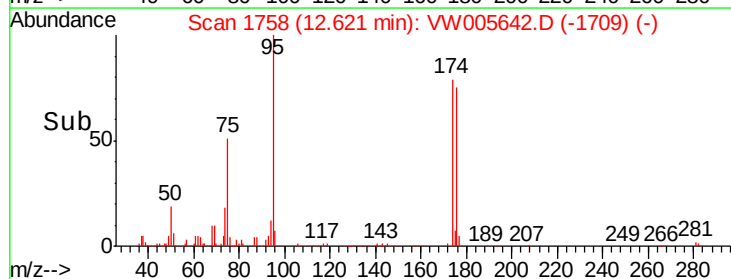
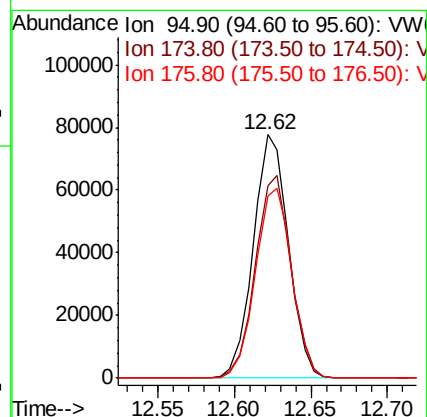
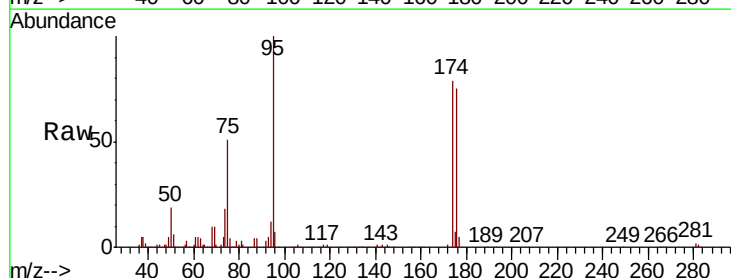
Tgt Ion: 95 Resp: 124268

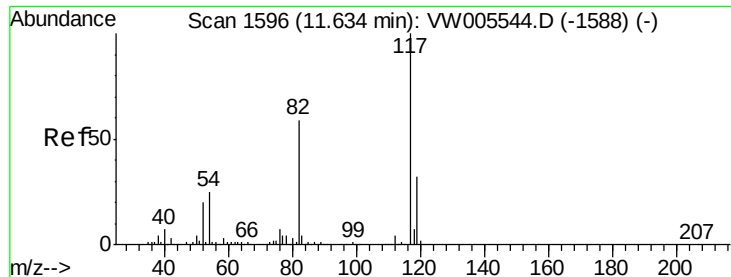
Ion Ratio Lower Upper

95 100

174 84.4 0.0 163.8

176 81.0 0.0 158.0

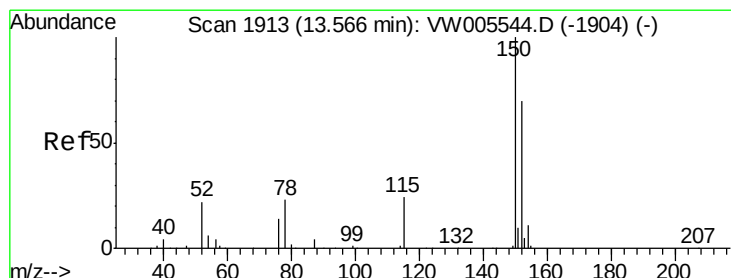
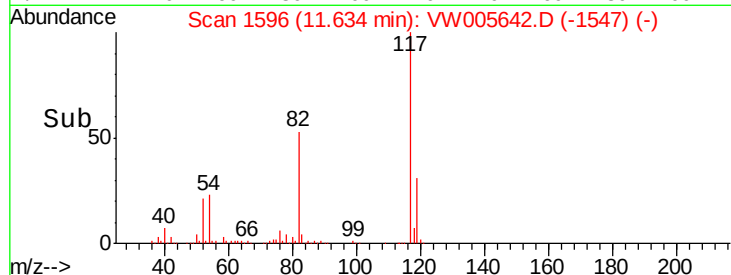
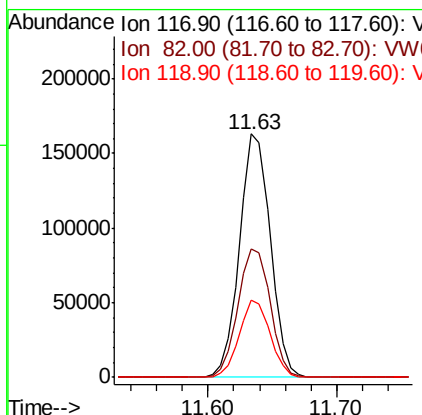
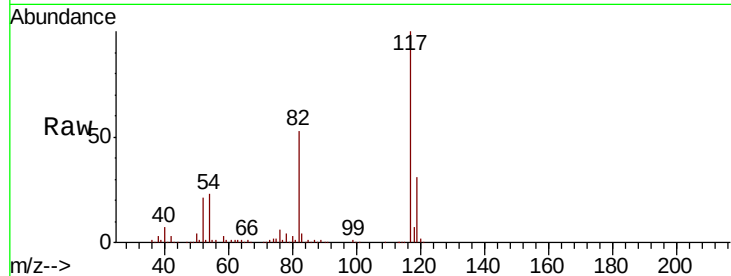




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW005642.D
Acq: 26 Sep 2018 06:47

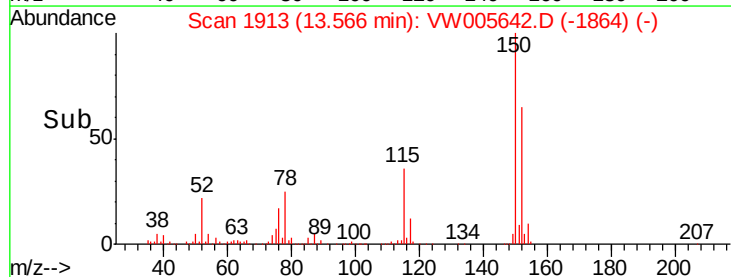
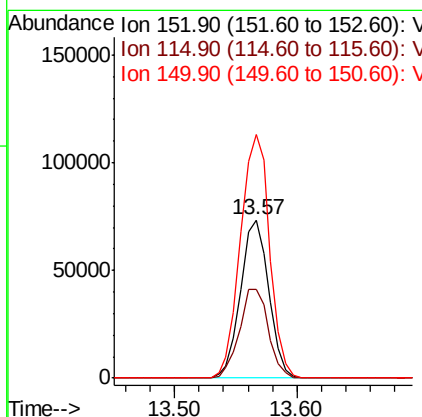
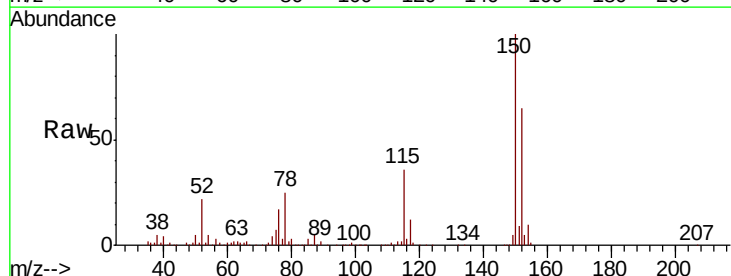
Instrument :
MSVOA_W
ClientSampleId :
230-KV-ARE

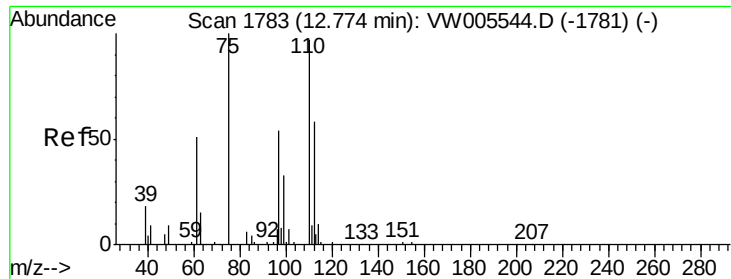
Tgt Ion:117 Resp: 270200
Ion Ratio Lower Upper
117 100
82 53.0 46.9 70.3
119 31.5 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW005642.D
Acq: 26 Sep 2018 06:47

Tgt Ion:152 Resp: 117314
Ion Ratio Lower Upper
152 100
115 57.9 30.0 90.0
150 159.1 0.0 348.6

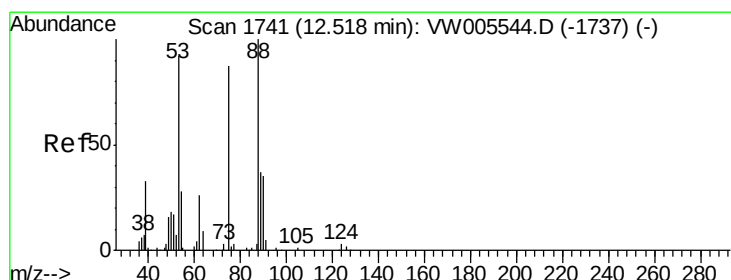
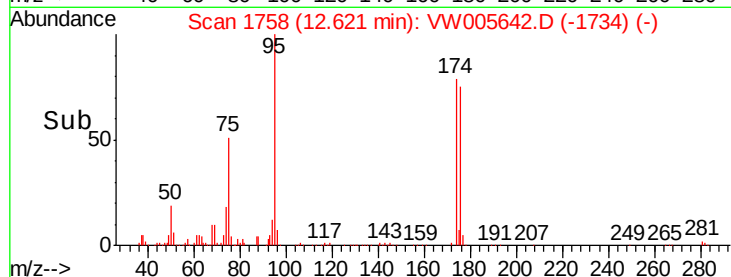
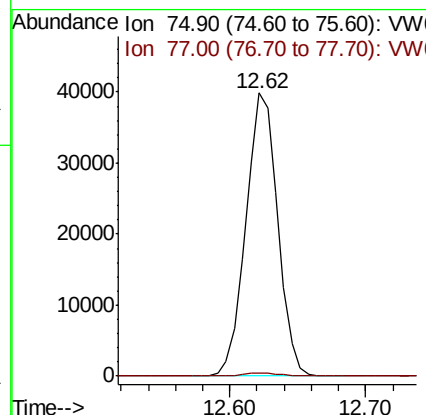
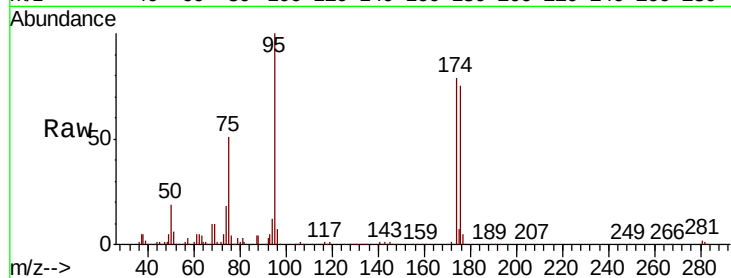




#76
 1,2,3-Trichloropropane
 Concen: 65.063 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW005642.D
 Acq: 26 Sep 2018 06:47

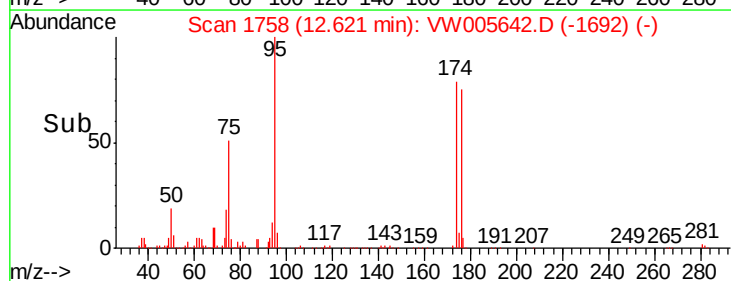
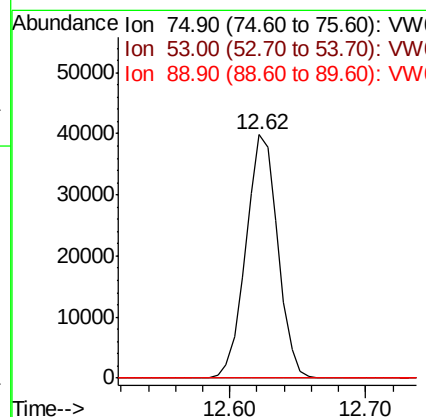
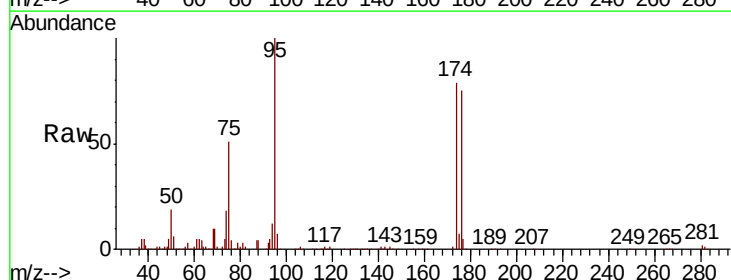
Instrument :
 MSVOA_W
 ClientSampled :
 230-KV-ARE

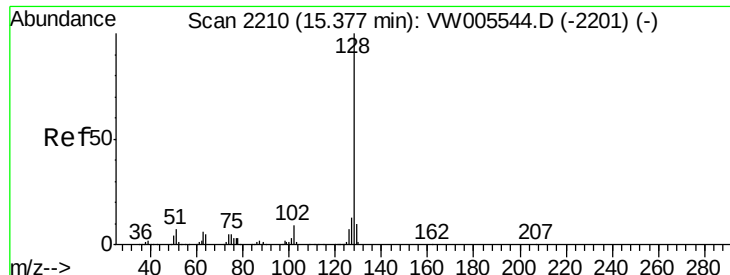
Tgt Ion: 75 Resp: 65064
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 146.540 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.10 min
 Lab File: VW005642.D
 Acq: 26 Sep 2018 06:47

Tgt Ion: 75 Resp: 65064
 Ion Ratio Lower Upper
 75 100
 53 0.3 85.8 128.6#
 89 0.1 37.3 55.9#





#95

Naphthalene

Concen: 1.842 ug/l

RT: 15.38 min Scan# 2211

Delta R.T. 0.01 min

Lab File: VW005642.D

Acq: 26 Sep 2018 06:47

Instrument :

MSVOA_W

ClientSampleId :

230-KV-ARE

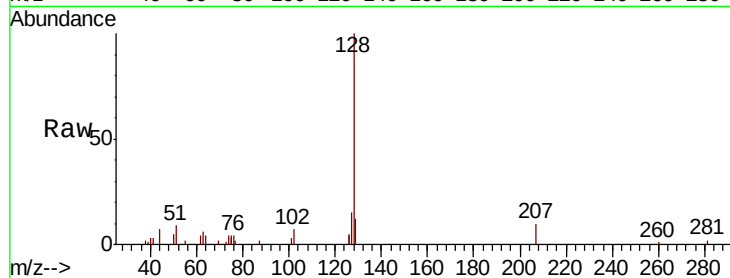
Tgt Ion:128 Resp: 7606

Ion Ratio Lower Upper

128 100

127 16.5 10.9 16.3#

129 11.6 8.6 13.0



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

