

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081018\
 Data File : VW004555.D
 Acq On : 09 Aug 2018 03:37
 Operator : SY/AP
 Sample : J4276-01RE
 Misc : 3.34G/5ML/MSVOA_W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 OK-02-080718

Quant Time: Aug 09 05:18:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W080618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 08:22:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	112652	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	164039	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	120649	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	35151	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	74404	59.67	ug/l	0.00
Spiked Amount			Recovery	=	119.34%	
35) Dibromofluoromethane	7.89	113	64905	59.34	ug/l	0.00
Spiked Amount			Recovery	=	118.68%	
50) Toluene-d8	10.33	98	161794	38.80	ug/l	0.00
Spiked Amount			Recovery	=	77.60%	
62) 4-Bromofluorobenzene	12.62	95	38872	25.88	ug/l	0.00
Spiked Amount			Recovery	=	51.76%	

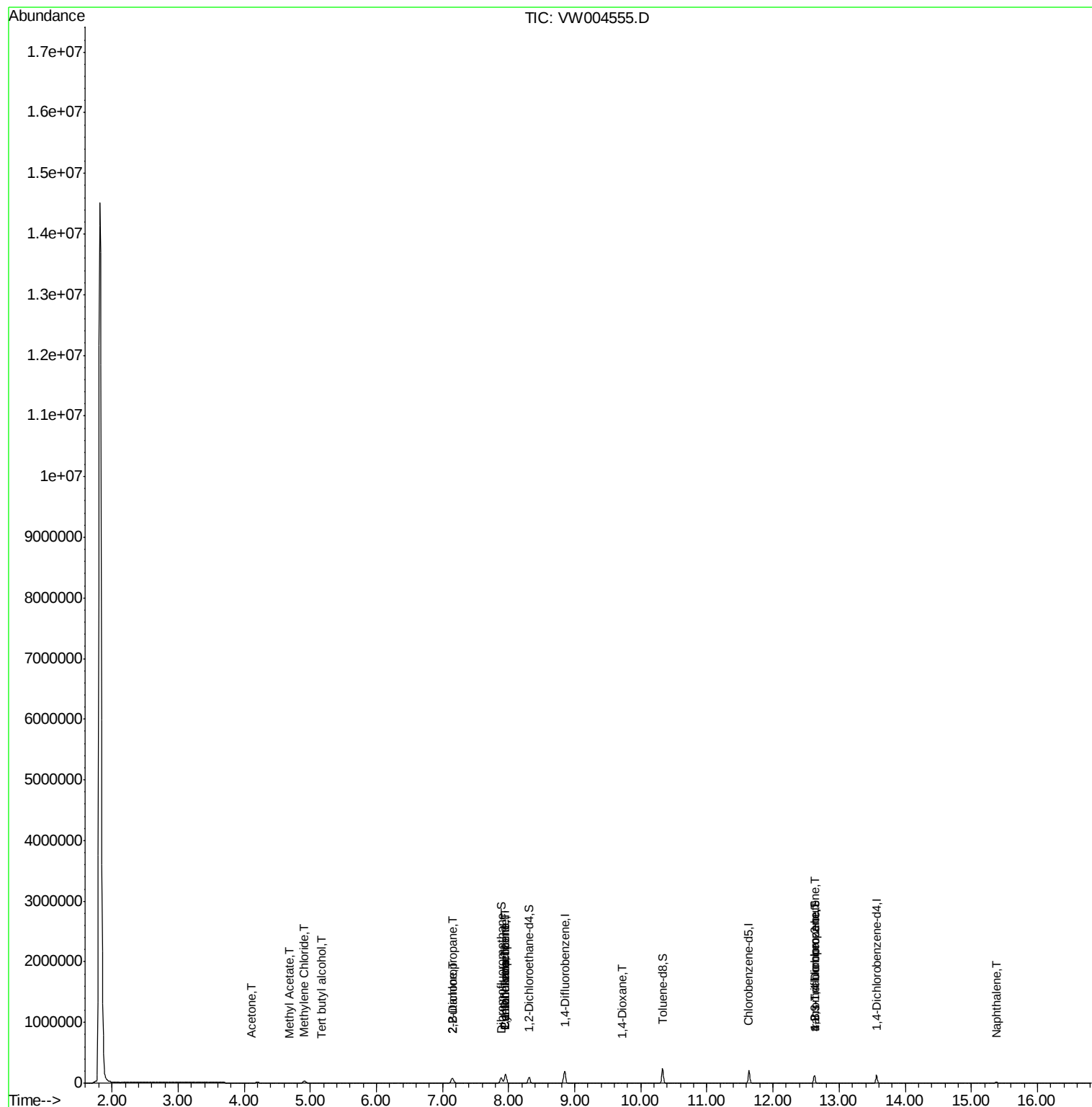
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	682	9.340	ug/l #	79
16) Acetone	4.12	43	7624	24.481	ug/l	88
18) Methyl Acetate	4.68	43	3644	4.693	ug/l #	84
20) Methylene Chloride	4.91	84	21335	6.278	ug/l	96
25) 2-Butanone	7.15	43	6039	12.055	ug/l #	81
26) 2,2-Dichloropropane	7.14	77	5643	4.404	ug/l #	50
31) Cyclohexane	7.95	56	2719	1.164	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	9390	5.316	ug/l #	49
38) Carbon Tetrachloride	7.95	117	10804	6.798	ug/l #	17
49) 1,4-Dioxane	9.72	88	23	2.280	ug/l #	10
76) 1,2,3-Trichloropropane	12.62	75	18875	51.892	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	18875	124.223	ug/l #	12
95) Naphthalene	15.38	128	7410	7.356	ug/l #	95

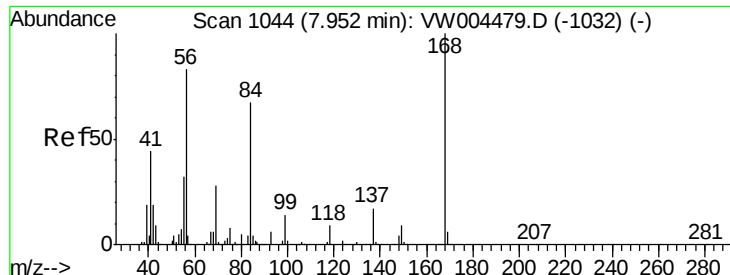
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Aug 07 08:22:01 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004555.D

Acq: 09 Aug 2018 03:37

Instrument :

MSVOA_W

ClientSampleId :

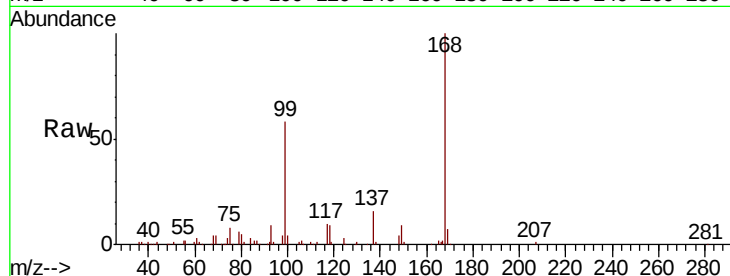
OK-02-080718

Tgt Ion:168 Resp: 112652

Ion Ratio Lower Upper

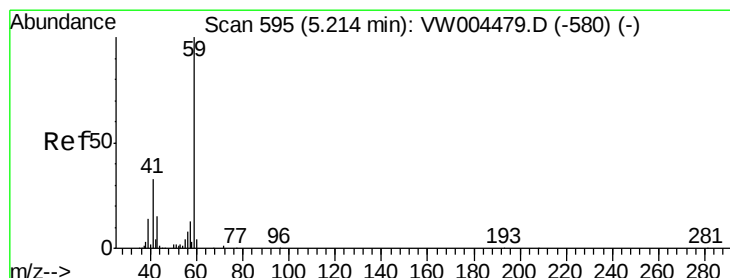
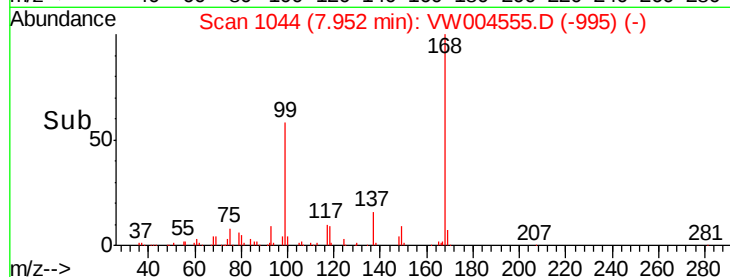
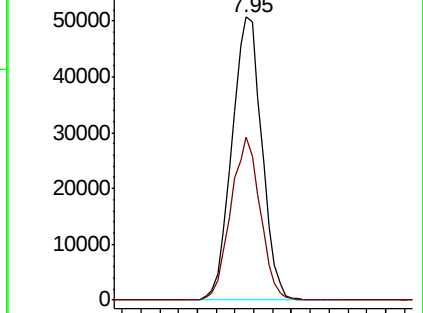
168 100

99 57.8 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 9.340 ug/l

RT: 5.17 min Scan# 588

Delta R.T. -0.04 min

Lab File: VW004555.D

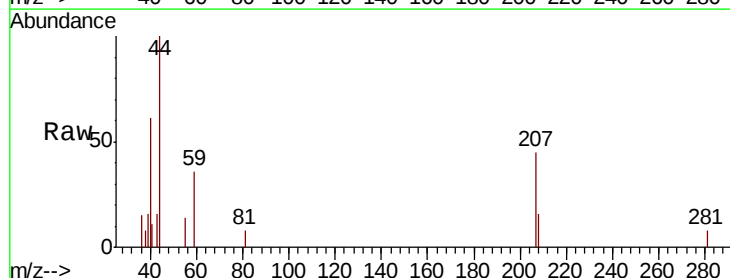
Acq: 09 Aug 2018 03:37

Tgt Ion: 59 Resp: 682

Ion Ratio Lower Upper

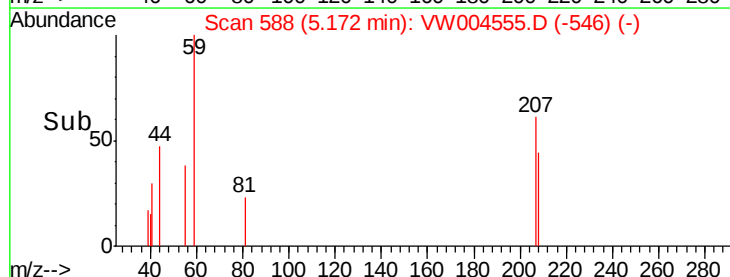
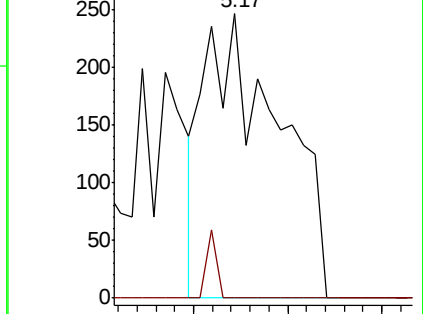
59 100

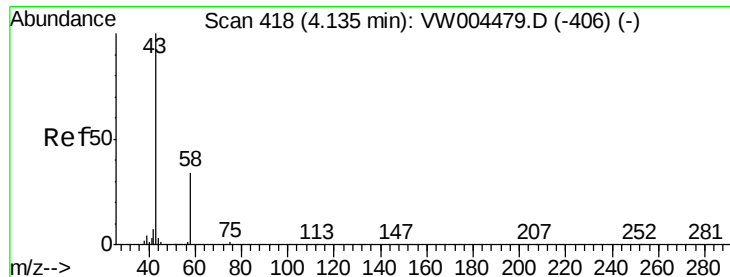
57 3.2 9.1 13.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 24.481 ug/l

RT: 4.12 min Scan# 415

Delta R.T. -0.02 min

Lab File: VW004555.D

Acq: 09 Aug 2018 03:37

Instrument :

MSVOA_W

ClientSampleId :

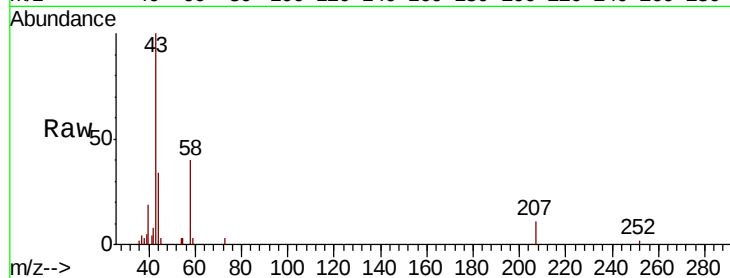
OK-02-080718

Tgt Ion: 43 Resp: 7624

Ion Ratio Lower Upper

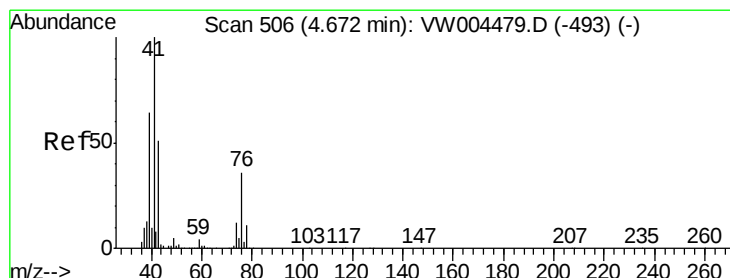
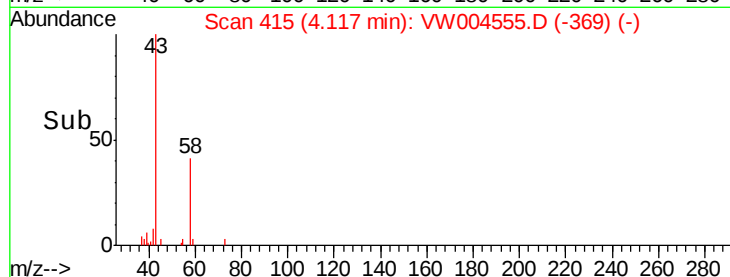
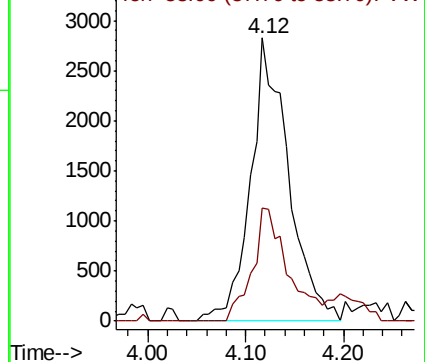
43 100

58 40.1 26.8 40.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#18

Methyl Acetate

Concen: 4.693 ug/l

RT: 4.68 min Scan# 507

Delta R.T. 0.01 min

Lab File: VW004555.D

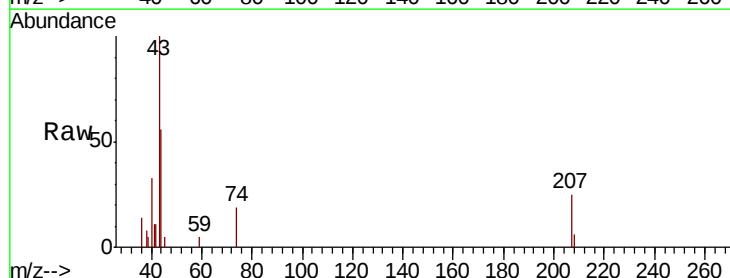
Acq: 09 Aug 2018 03:37

Tgt Ion: 43 Resp: 3644

Ion Ratio Lower Upper

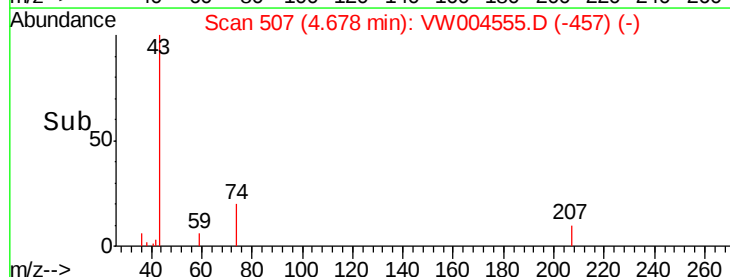
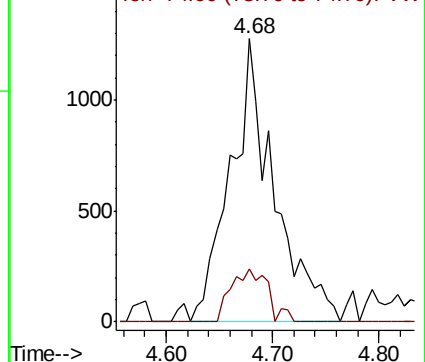
43 100

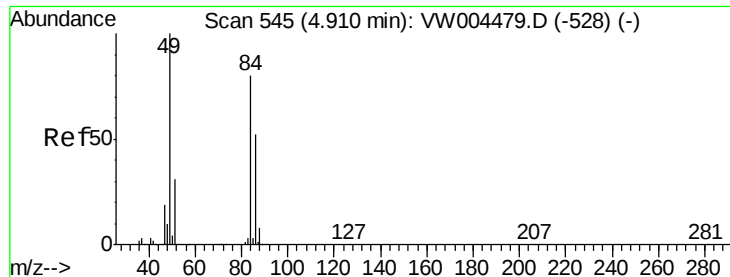
74 16.0 19.1 28.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

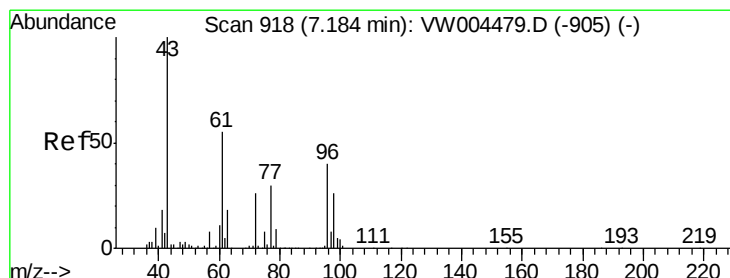
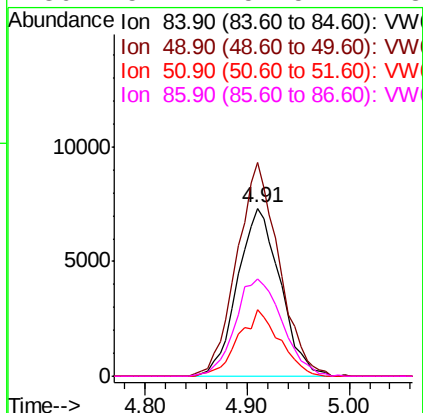
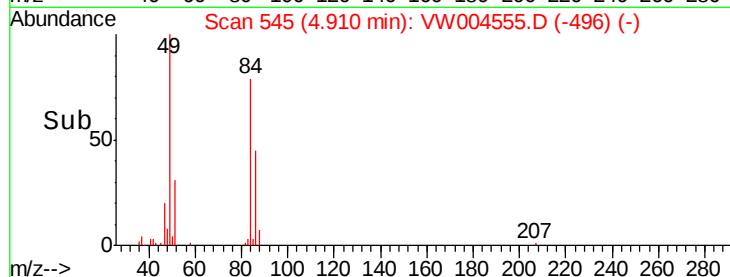
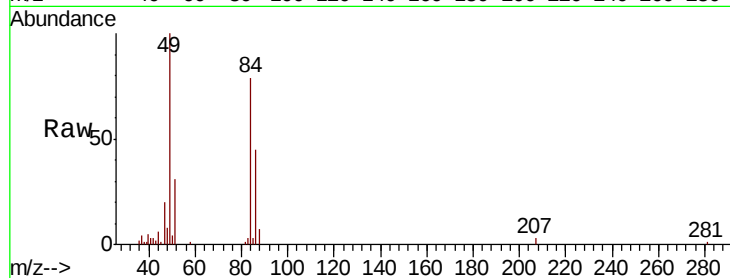




#20
Methylene Chloride
Concen: 6.278 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW004555.D
Acq: 09 Aug 2018 03:37

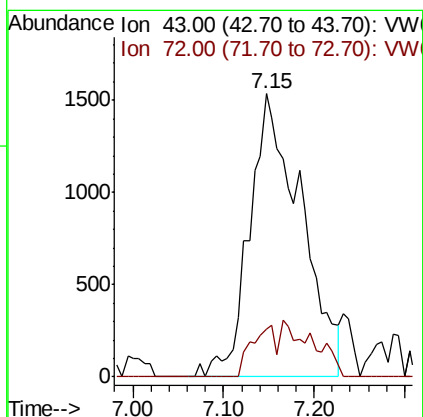
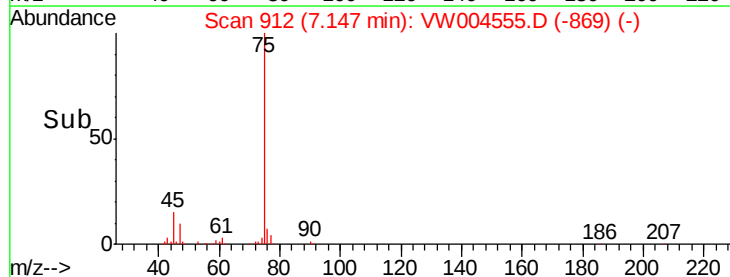
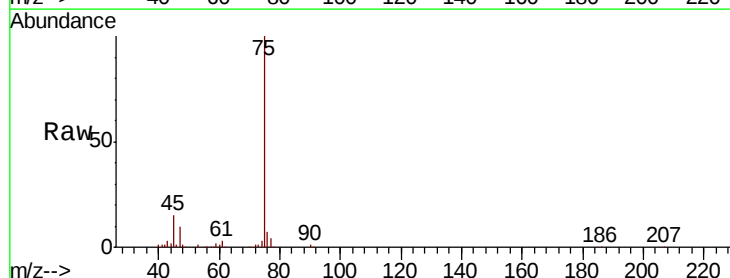
Instrument :
MSVOA_W
ClientSampleId :
OK-02-080718

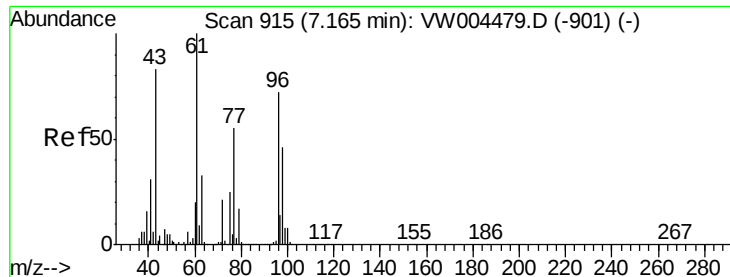
Tgt Ion: 84 Resp: 21335
Ion Ratio Lower Upper
84 100
49 127.0 99.6 149.4
51 39.8 31.0 46.4
86 57.7 51.5 77.3



#25
2-Butanone
Concen: 12.055 ug/l
RT: 7.15 min Scan# 912
Delta R.T. -0.04 min
Lab File: VW004555.D
Acq: 09 Aug 2018 03:37

Tgt Ion: 43 Resp: 6039
Ion Ratio Lower Upper
43 100
72 16.8 21.0 31.6#

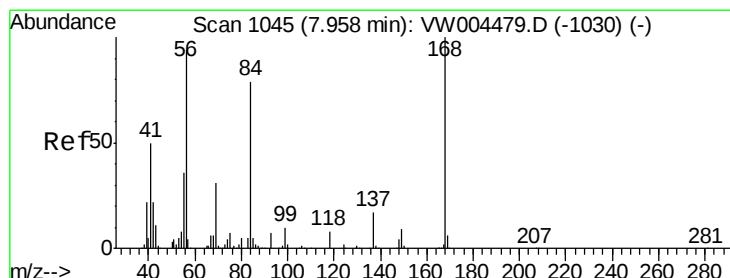
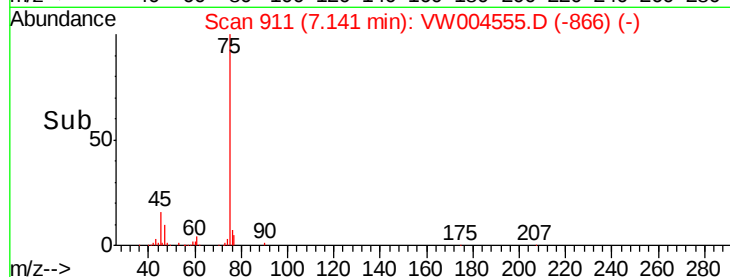
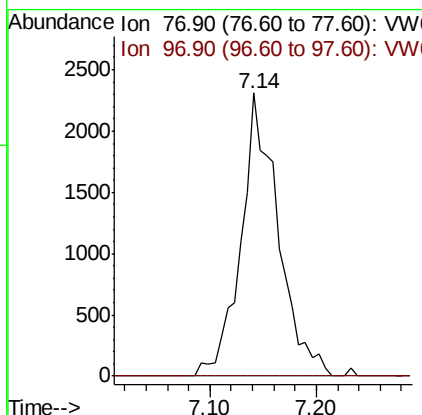
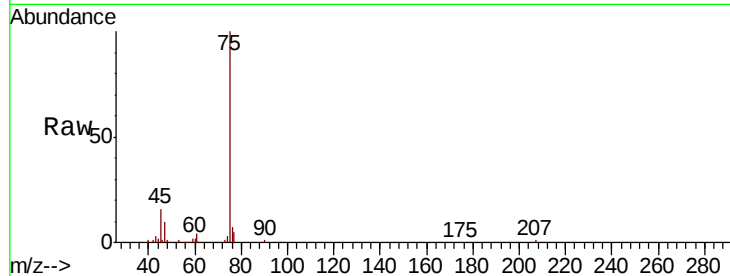




#26
 2,2-Dichloropropane
 Concen: 4.404 ug/l
 RT: 7.14 min Scan# 911
 Delta R.T. -0.02 min
 Lab File: VW004555.D
 Acq: 09 Aug 2018 03:37

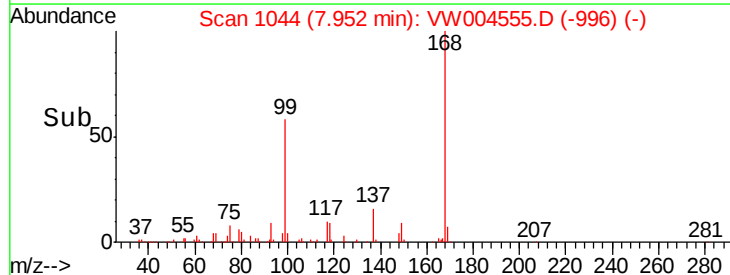
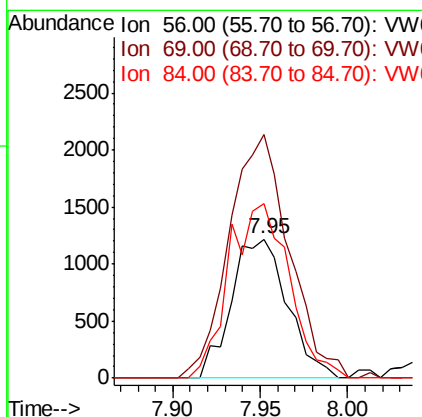
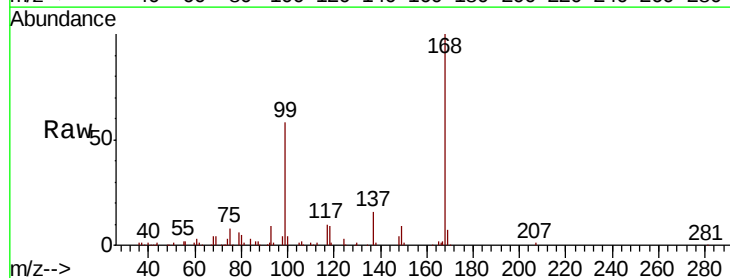
Instrument :
 MSVOA_W
 ClientSampleId :
 OK-02-080718

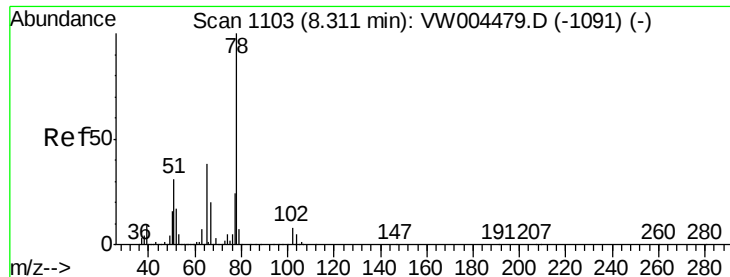
Tgt Ion: 77 Resp: 5643
 Ion Ratio Lower Upper
 77 100
 97 0.0 12.5 37.5#



#31
 Cyclohexane
 Concen: 1.164 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.01 min
 Lab File: VW004555.D
 Acq: 09 Aug 2018 03:37

Tgt Ion: 56 Resp: 2719
 Ion Ratio Lower Upper
 56 100
 69 168.6 26.4 39.6#
 84 126.0 66.9 100.3#

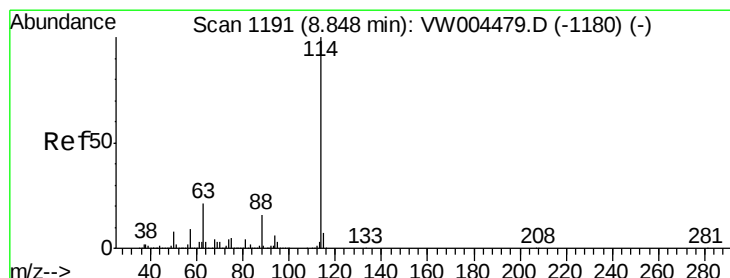
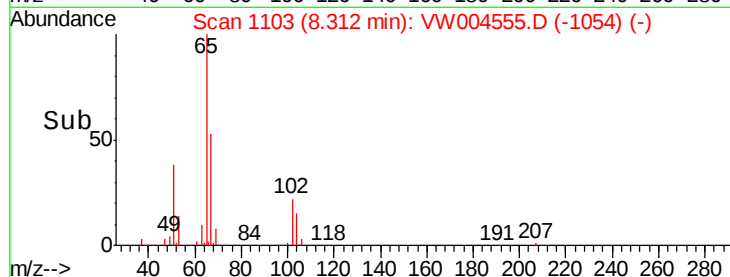
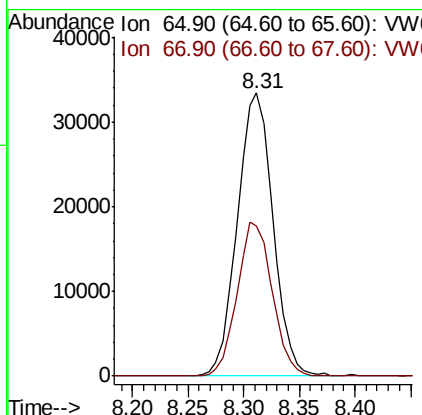
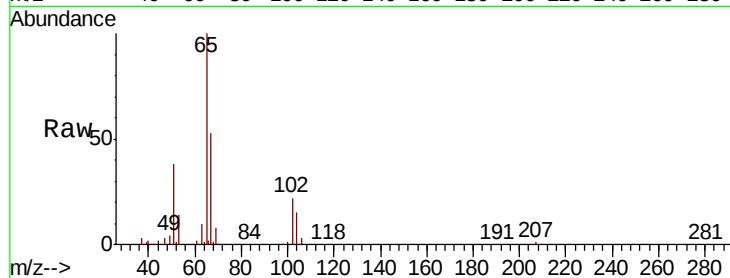




#33
 1,2-Dichloroethane-d4
 Concen: 59.665 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VW004555.D
 Acq: 09 Aug 2018 03:37

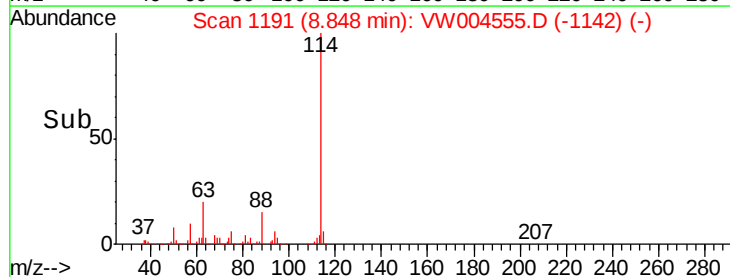
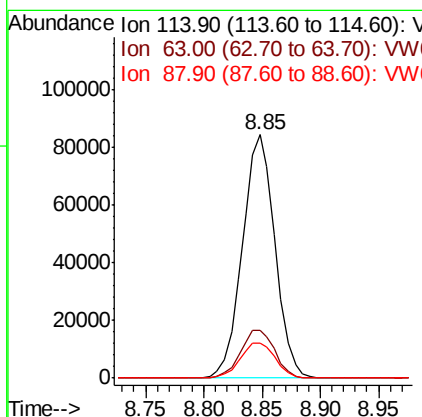
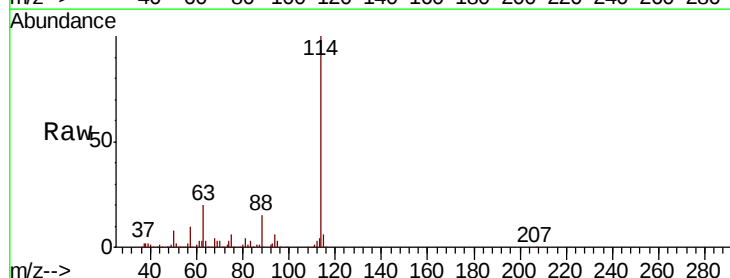
Instrument :
 MSVOA_W
 ClientSampleId :
 OK-02-080718

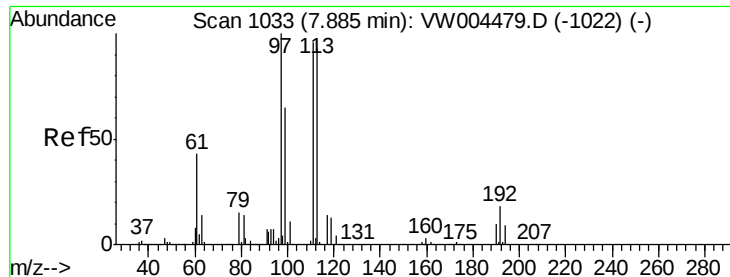
Tgt Ion: 65 Resp: 74404
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW004555.D
 Acq: 09 Aug 2018 03:37

Tgt Ion: 114 Resp: 164039
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 42.4
 88 14.6 0.0 31.2





#35

Dibromofluoromethane

Concen: 59.341 ug/l

RT: 7.89 min Scan# 1034

Delta R.T. 0.01 min

Lab File: VW004555.D

Acq: 09 Aug 2018 03:37

Instrument :

MSVOA_W

ClientSampleId :

OK-02-080718

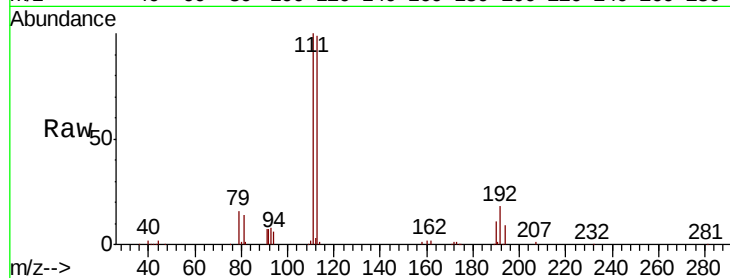
Tgt Ion:113 Resp: 64905

Ion Ratio Lower Upper

113 100

111 103.7 82.9 124.3

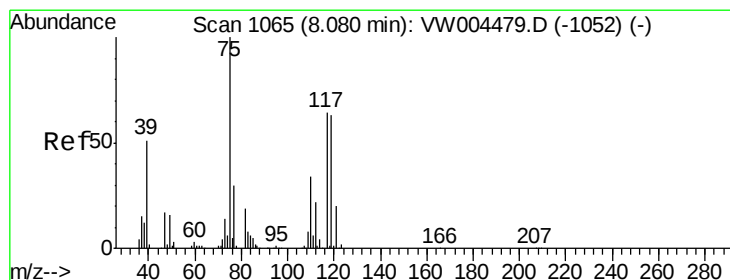
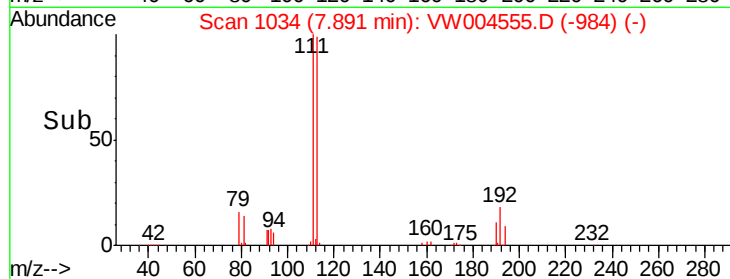
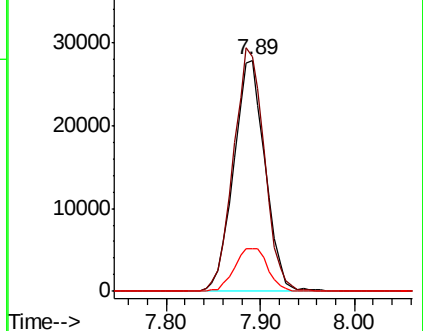
192 19.8 15.8 23.6



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: 5.316 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW004555.D

Acq: 09 Aug 2018 03:37

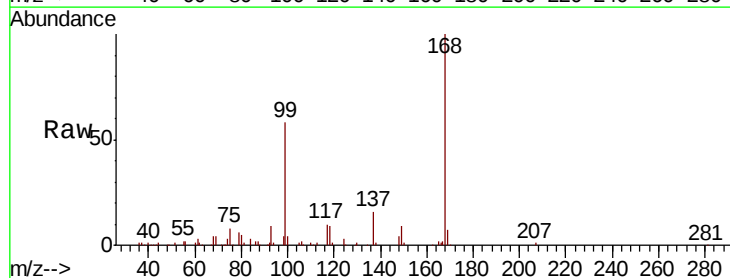
Tgt Ion: 75 Resp: 9390

Ion Ratio Lower Upper

75 100

110 8.1 17.4 52.2#

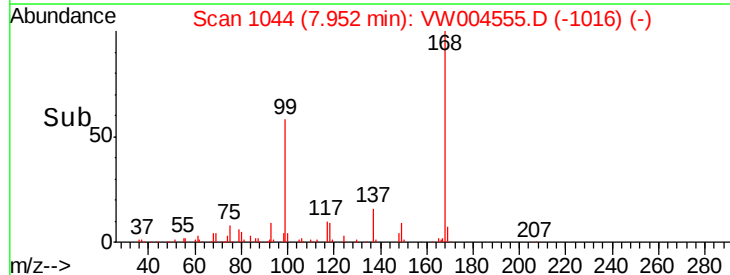
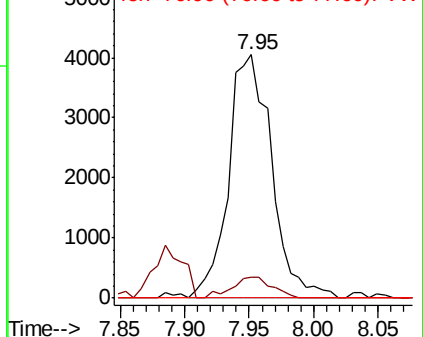
77 0.0 24.7 37.1#

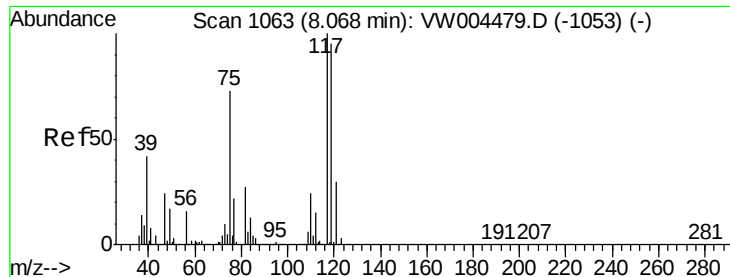


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.798 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW004555.D

Acq: 09 Aug 2018 03:37

Instrument :

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OK-02-080718

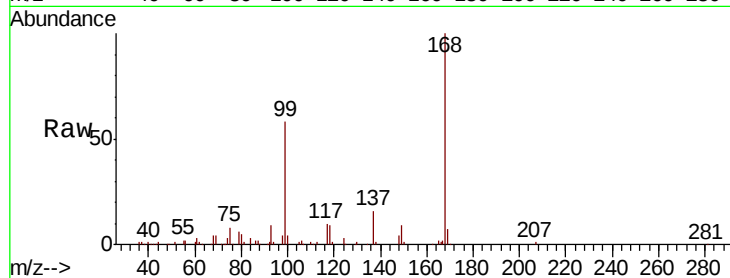
Tgt Ion:117 Resp: 10804

Ion Ratio Lower Upper

117 100

119 6.3 76.1 114.1#

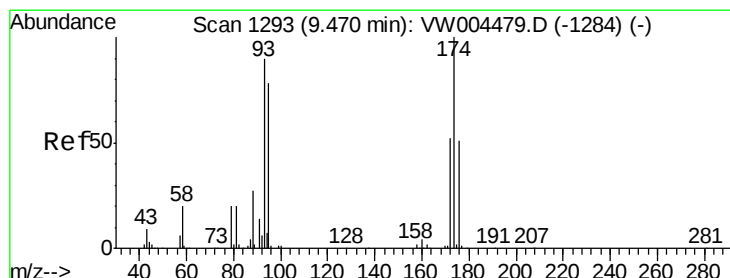
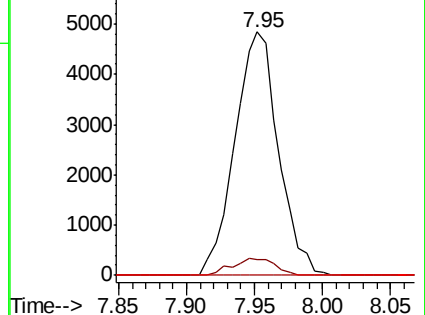
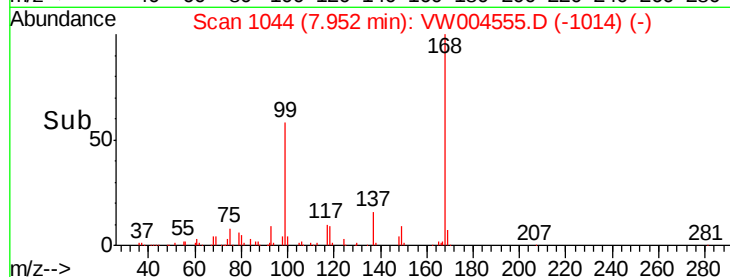
121 0.0 24.2 36.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 2.280 ug/l

RT: 9.72 min Scan# 1334

Delta R.T. 0.25 min

Lab File: VW004555.D

Acq: 09 Aug 2018 03:37

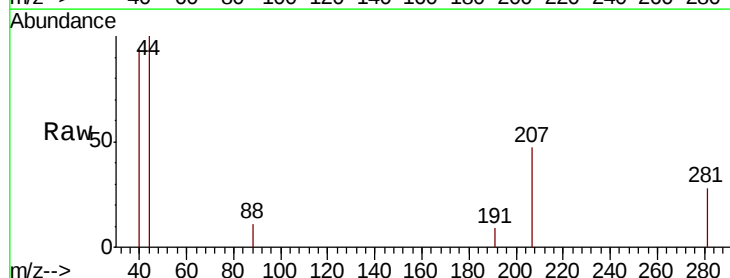
Tgt Ion: 88 Resp: 23

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

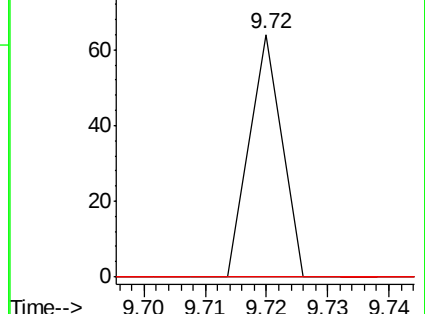
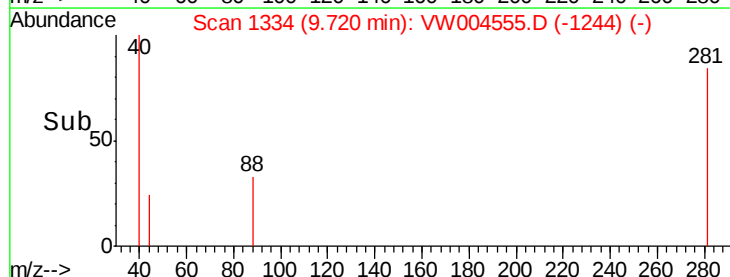
58 0.0 63.5 95.3#

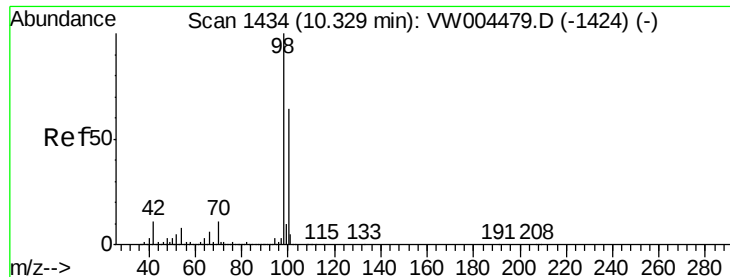


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 38.801 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW004555.D

Acq: 09 Aug 2018 03:37

Instrument :

MSVOA_W

ClientSampleId :

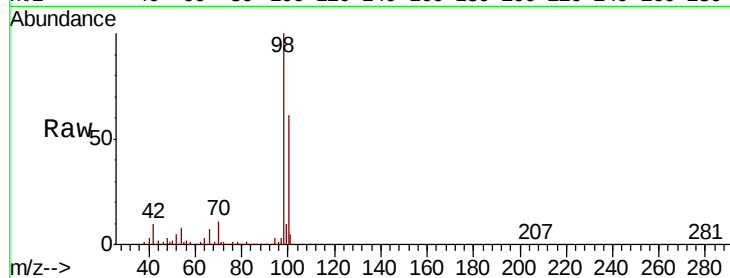
OK-02-080718

Tgt Ion: 98 Resp: 161794

Ion Ratio Lower Upper

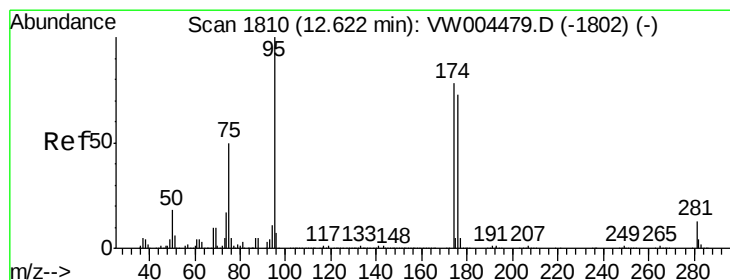
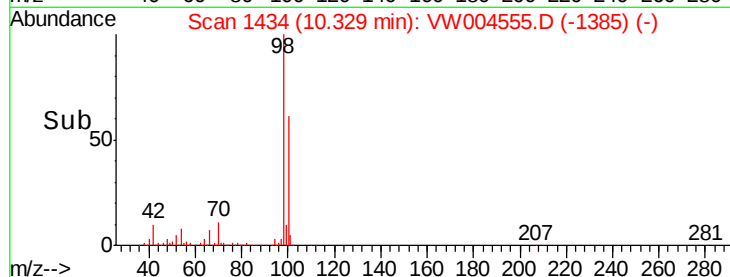
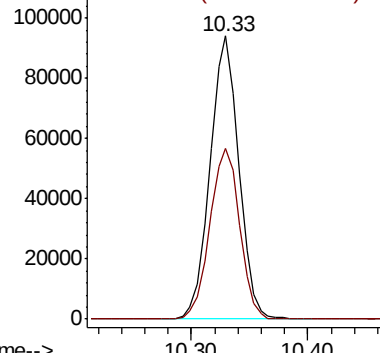
98 100

100 62.6 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 25.879 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW004555.D

Acq: 09 Aug 2018 03:37

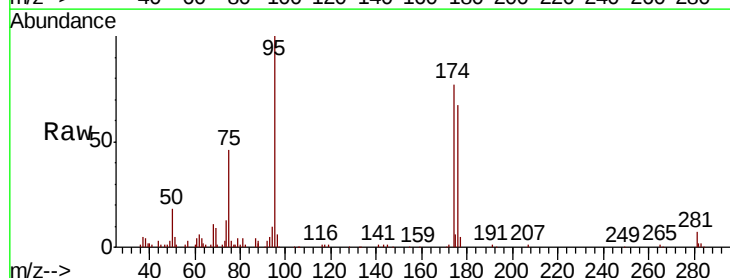
Tgt Ion: 95 Resp: 38872

Ion Ratio Lower Upper

95 100

174 85.4 0.0 160.4

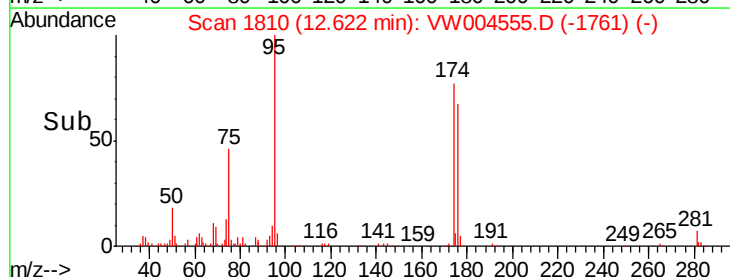
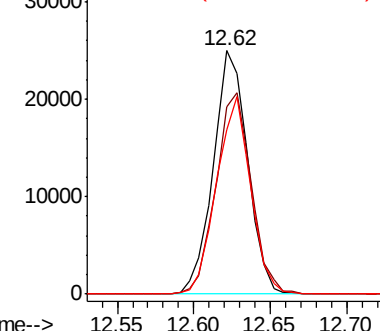
176 80.6 0.0 153.2

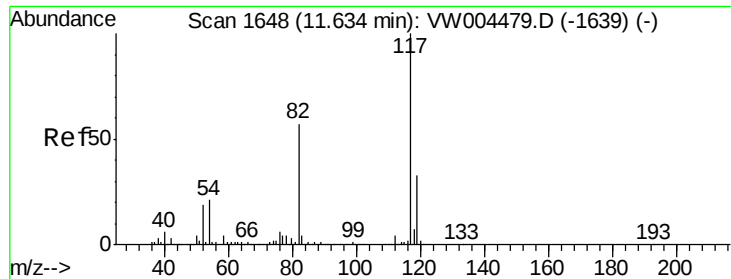


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

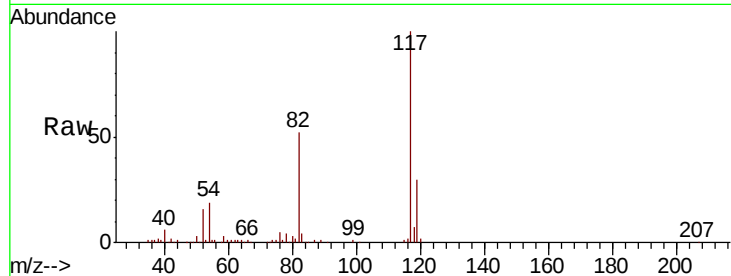




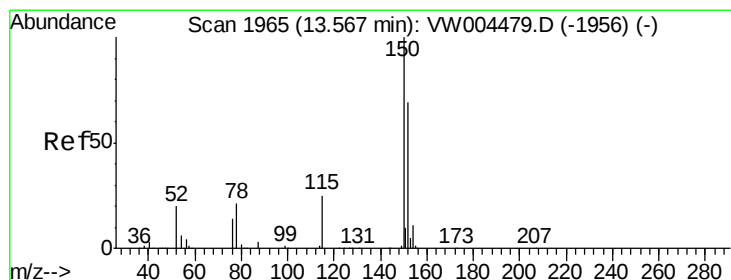
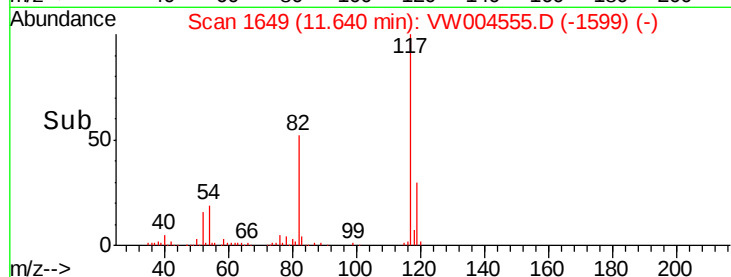
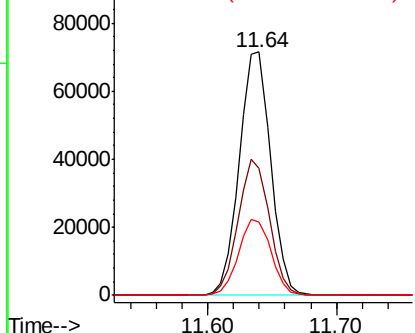
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. 0.01 min
Lab File: VW004555.D
Acq: 09 Aug 2018 03:37

Instrument :
MSVOA_W
ClientSampleId :
OK-02-080718

Tgt Ion:117 Resp: 120649
Ion Ratio Lower Upper
117 100
82 52.0 45.3 67.9
119 30.2 26.2 39.4

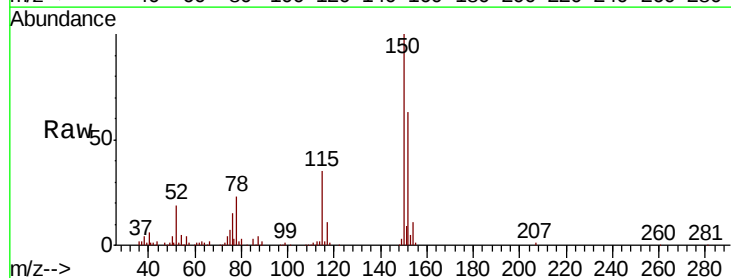


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

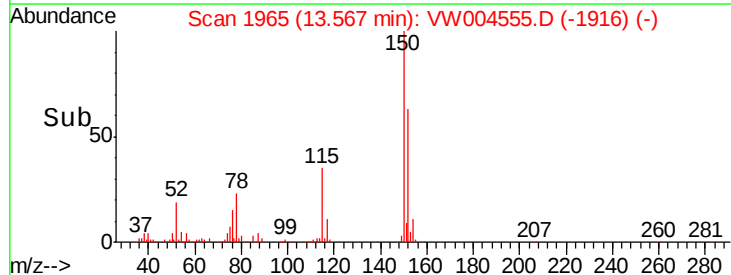
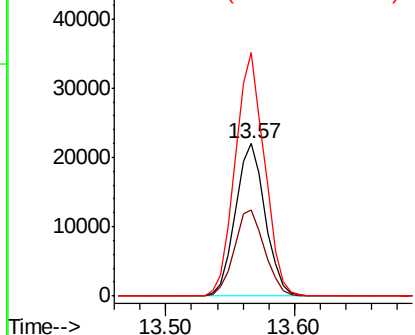


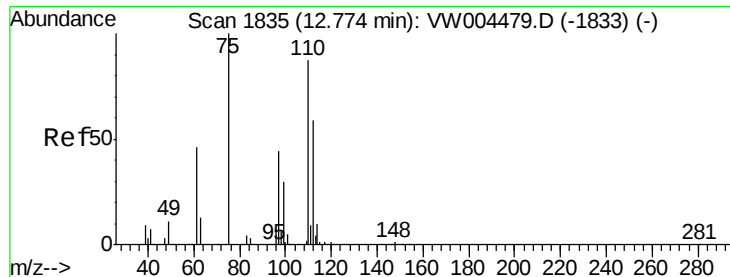
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW004555.D
Acq: 09 Aug 2018 03:37

Tgt Ion:152 Resp: 35151
Ion Ratio Lower Upper
152 100
115 57.5 29.1 87.3
150 157.9 0.0 349.6



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





#76

1,2,3-Trichloropropane

Concen: 51.892 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW004555.D

Acq: 09 Aug 2018 03:37

Instrument :

MSVOA_W

ClientSampleId :

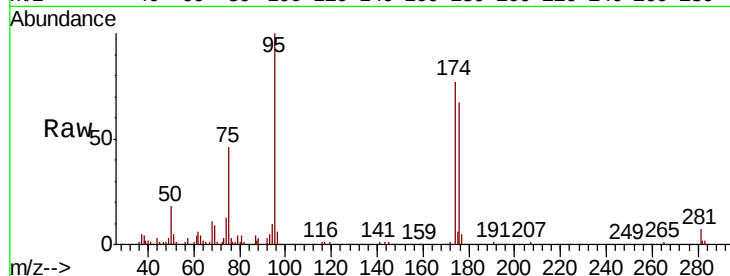
OK-02-080718

Tgt Ion: 75 Resp: 18875

Ion Ratio Lower Upper

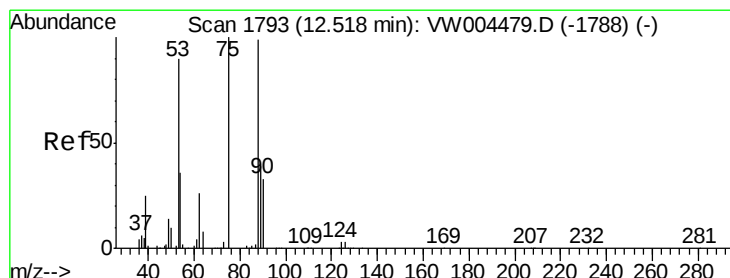
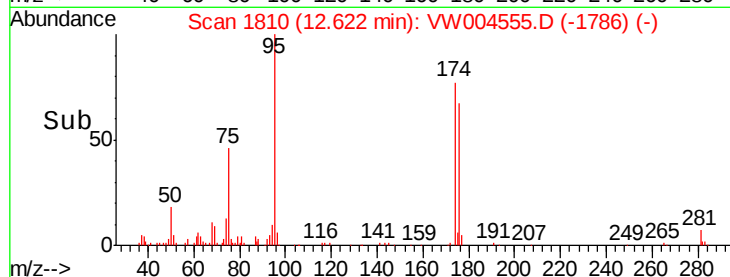
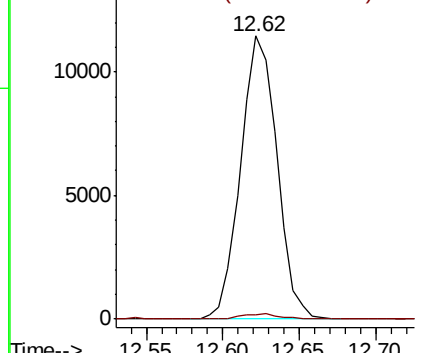
75 100

77 2.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



#81

trans-1,4-Dichloro-2-butene

Concen: 124.223 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW004555.D

Acq: 09 Aug 2018 03:37

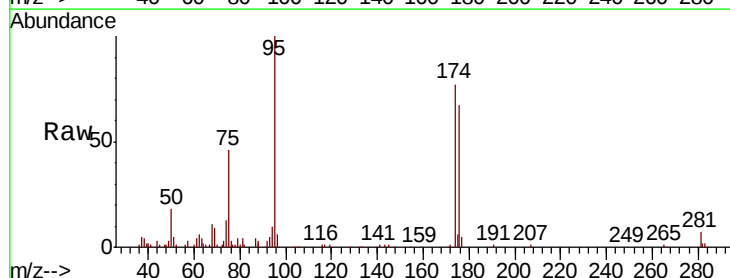
Tgt Ion: 75 Resp: 18875

Ion Ratio Lower Upper

75 100

53 0.0 74.4 111.6#

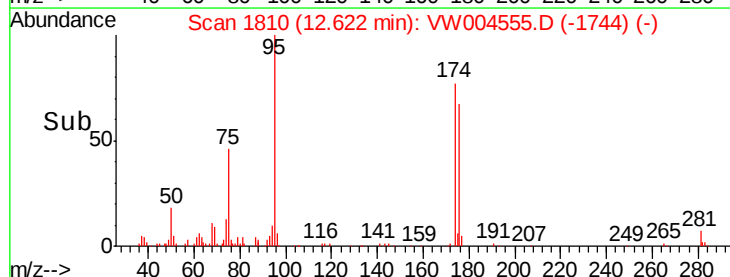
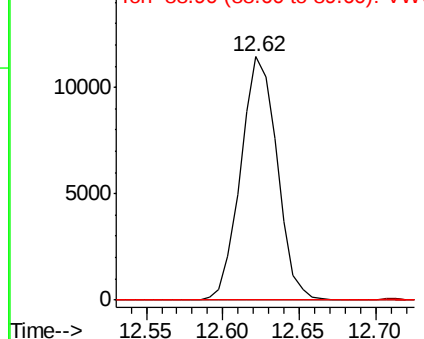
89 0.0 35.9 53.9#

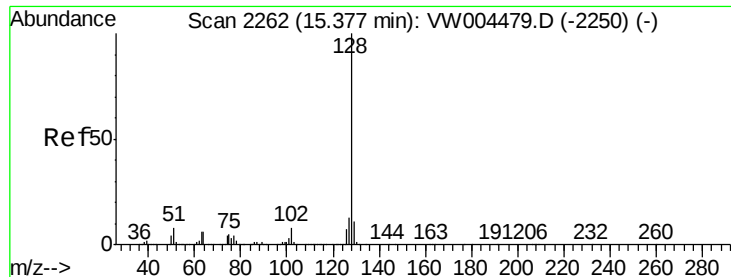


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

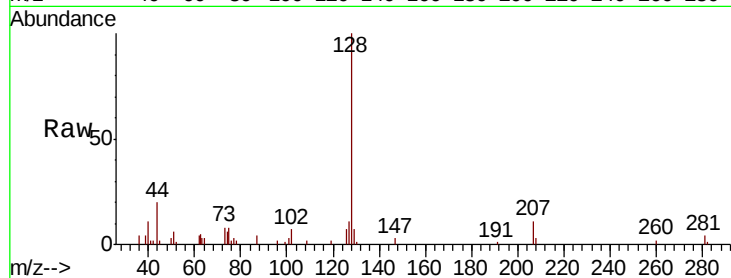




#95
Naphthalene
Concen: 7.356 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VW004555.D
Acq: 09 Aug 2018 03:37

Instrument :
MSVOA_W
ClientSampleId :
OK-02-080718

Tgt Ion	Ratio	Lower	Upper
128	100		
127	15.9	10.3	15.5#
129	10.2	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

