

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW121318\
 Data File : VW007423.D
 Acq On : 12 Dec 2018 05:13
 Operator : SY/AP
 Sample : J6303-01
 Misc : 4.57G/5ML/MSVOA_W/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 NR38-G1-110718

Quant Time: Dec 12 06:24:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	31687	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	53225	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	39252	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	9958	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	16362	46.54	ug/l	0.00
Spiked Amount			Recovery	=	93.08%	
35) Dibromofluoromethane	7.88	113	14521	45.07	ug/l	0.00
Spiked Amount			Recovery	=	90.14%	
50) Toluene-d8	10.32	98	42813	35.44	ug/l	0.00
Spiked Amount			Recovery	=	70.88%	
62) 4-Bromofluorobenzene	12.62	95	11342	25.54	ug/l	0.00
Spiked Amount			Recovery	=	51.08%	

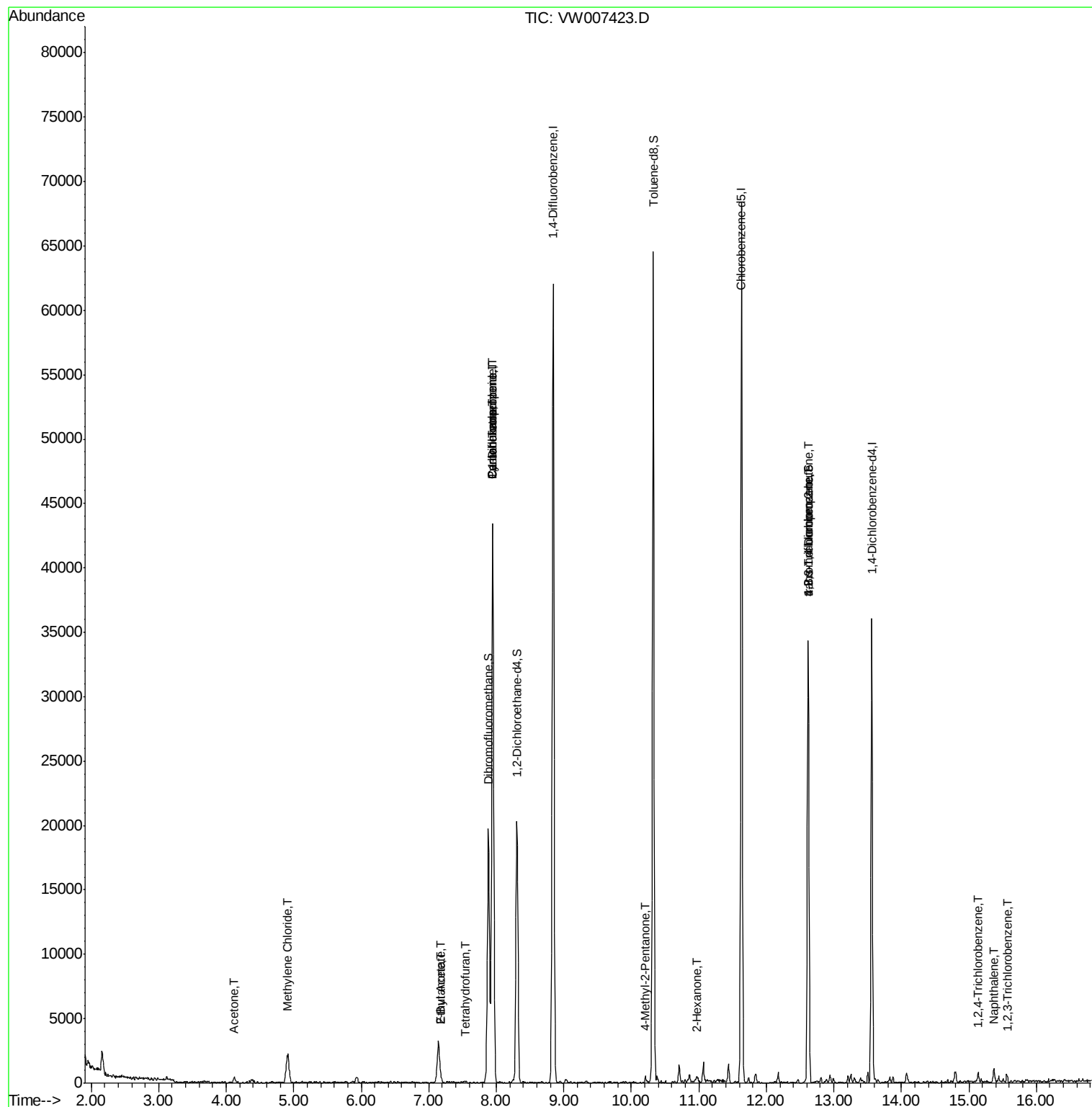
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.11	43	830	13.517	ug/l #	80
20) Methylene Chloride	4.90	84	1774	1.481	ug/l #	86
25) 2-Butanone	7.18	43	238	2.969	ug/l #	45
29) Tetrahydrofuran	7.54	42	109	2.148	ug/l #	30
31) Cyclohexane	7.94	56	635	1.163	ug/l #	10
36) 1,1-Dichloropropene	7.95	75	2371	4.883	ug/l #	49
37) Ethyl Acetate	7.18	43	238	1.318	ug/l #	66
38) Carbon Tetrachloride	7.95	117	3419	6.472	ug/l #	17
51) 4-Methyl-2-Pentanone	10.21	43	450	2.670	ug/l #	79
59) 2-Hexanone	10.97	43	322	2.865	ug/l	95
76) 1,2,3-Trichloropropane	12.62	75	5721	69.678	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	5721	153.919	ug/l #	7
93) 1,2,4-Trichlorobenzene	15.14	180	344	1.655	ug/l #	65
95) Naphthalene	15.38	128	1142	2.872	ug/l #	82
96) 1,2,3-Trichlorobenzene	15.57	180	279	1.545	ug/l	78

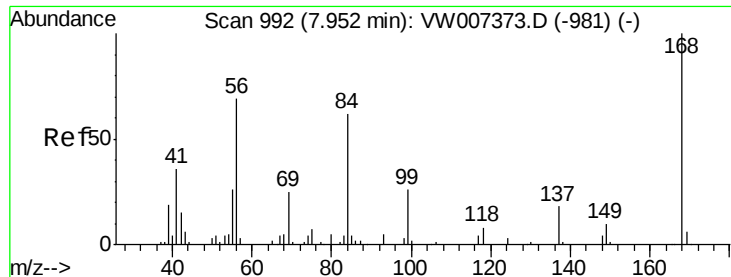
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW121318\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007423.D

Acq: 12 Dec 2018 05:13

Instrument :

MSVOA_W

ClientSampleId :

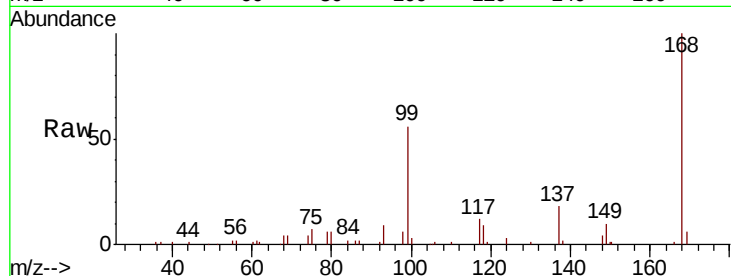
NR38-G1-110718

Tgt Ion: 168 Resp: 31687

Ion Ratio Lower Upper

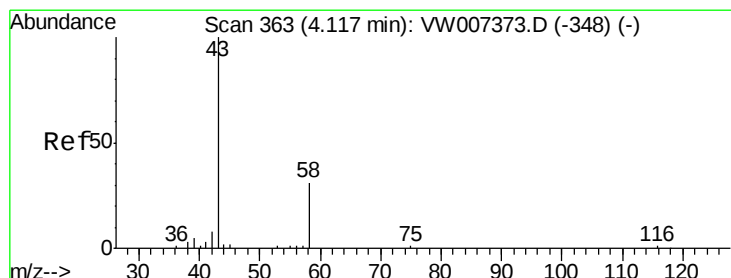
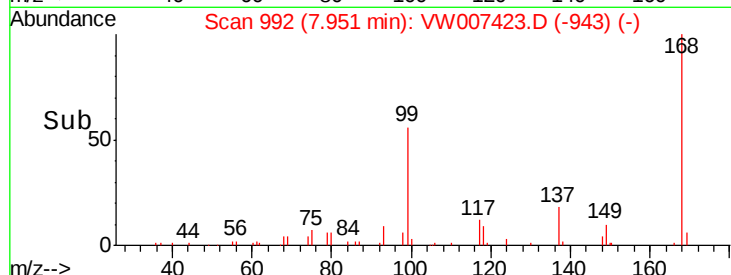
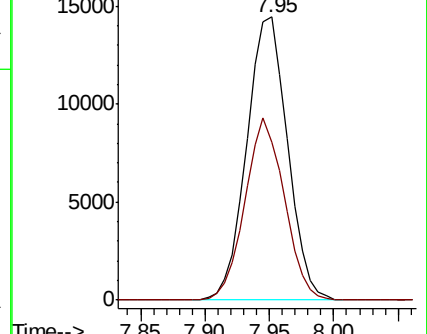
168 100

99 55.9 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 13.517 ug/l

RT: 4.11 min Scan# 362

Delta R.T. -0.01 min

Lab File: VW007423.D

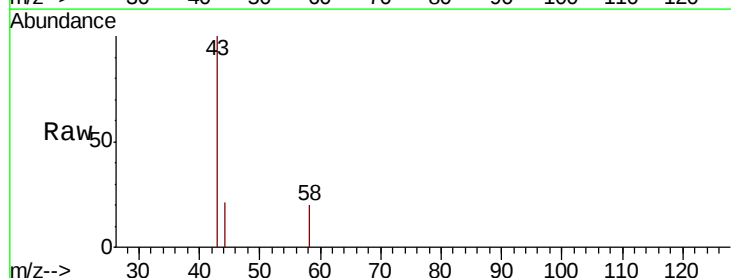
Acq: 12 Dec 2018 05:13

Tgt Ion: 43 Resp: 830

Ion Ratio Lower Upper

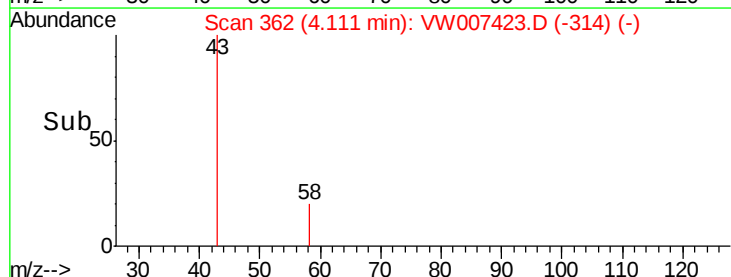
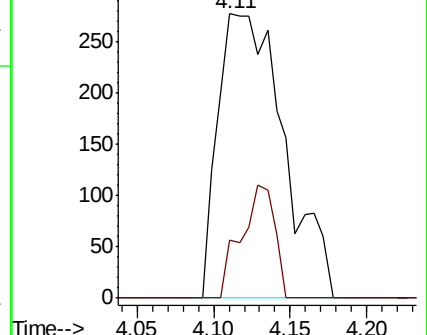
43 100

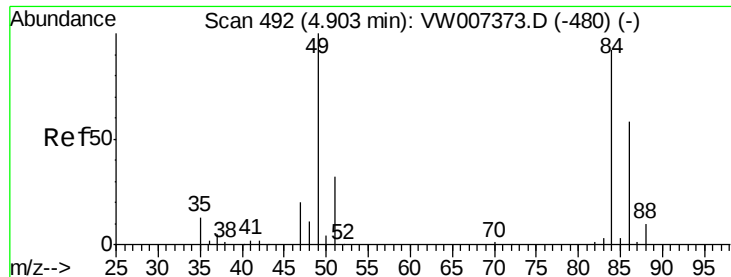
58 20.2 24.9 37.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

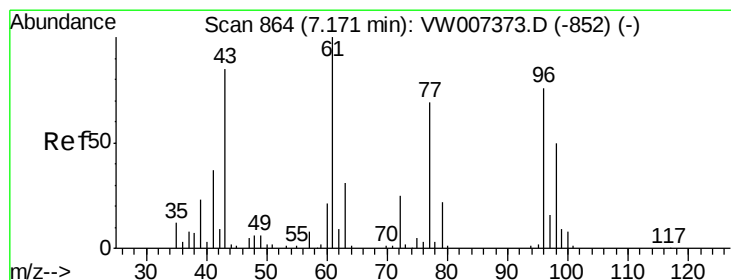
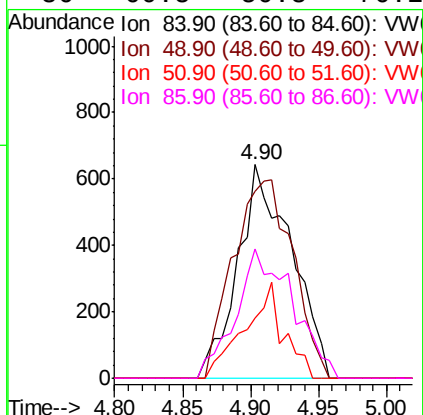
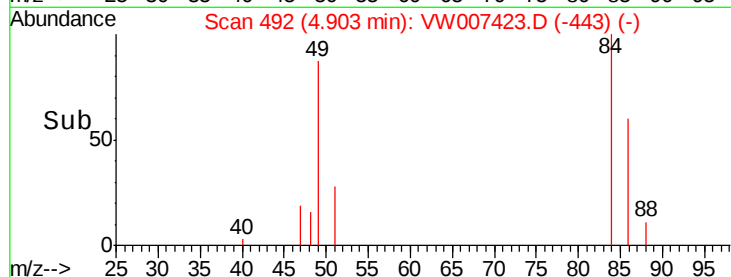
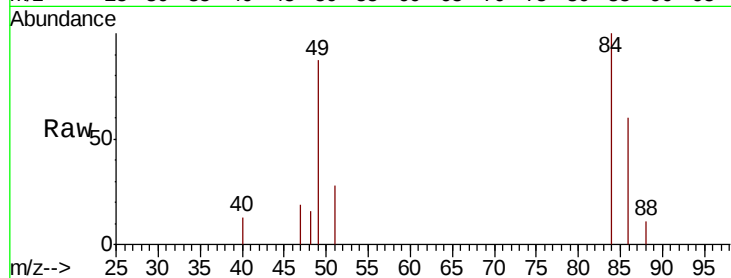




#20
Methylene Chloride
Concen: 1.481 ug/l
RT: 4.90 min Scan# 492
Delta R.T. 0.00 min
Lab File: VW007423.D
Acq: 12 Dec 2018 05:13

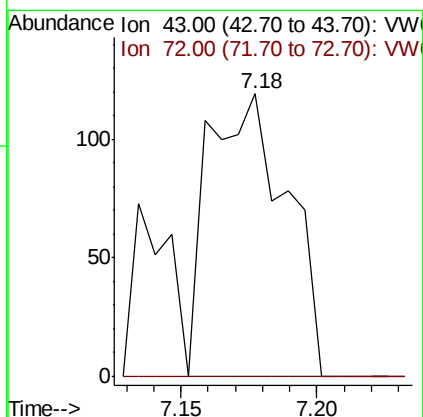
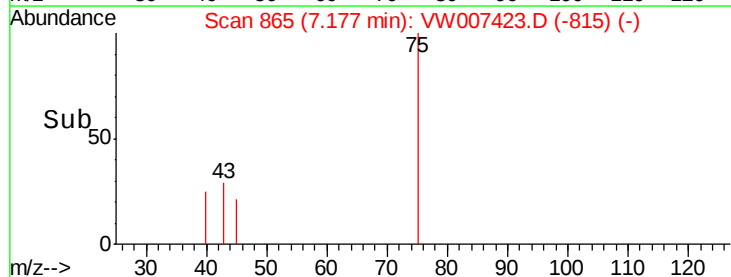
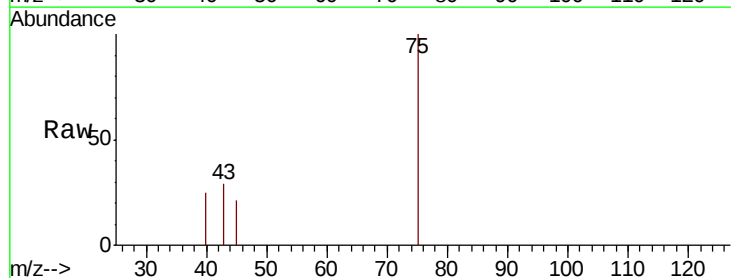
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NR38-G1-110718

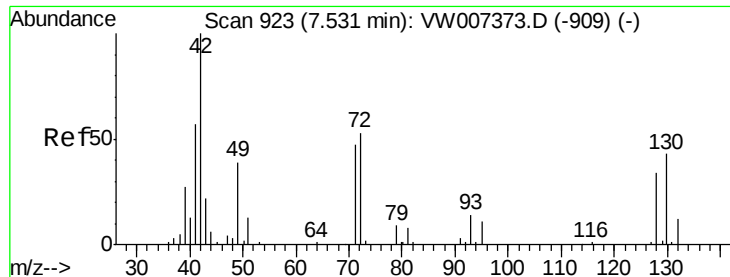
Tgt Ion: 84 Resp: 1774
Ion Ratio Lower Upper
84 100
49 87.2 87.1 130.7
51 28.1 28.2 42.2#
86 60.5 50.8 76.2



#25
2-Butanone
Concen: 2.969 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW007423.D
Acq: 12 Dec 2018 05:13

Tgt Ion: 43 Resp: 238
Ion Ratio Lower Upper
43 100
72 0.0 23.4 35.2#





#29

Tetrahydrofuran

Concen: 2.148 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW007423.D

Acq: 12 Dec 2018 05:13

Instrument :

MSVOA_W

ClientSampleId :

NR38-G1-110718

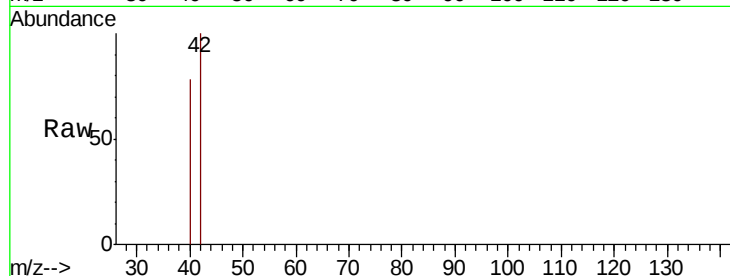
Tgt Ion: 42 Resp: 109

Ion Ratio Lower Upper

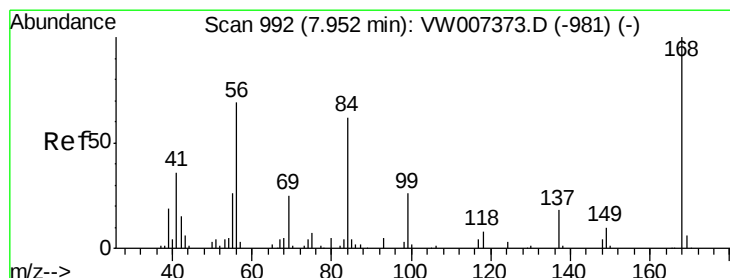
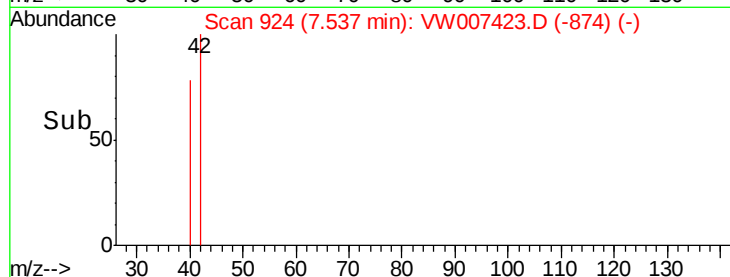
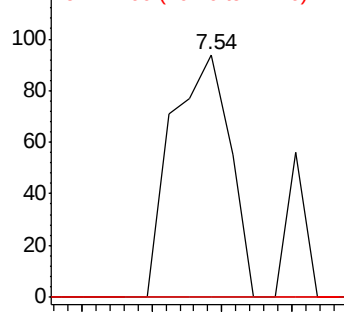
42 100

72 0.0 38.2 57.4#

71 0.0 35.5 53.3#



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: 1.163 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW007423.D

Acq: 12 Dec 2018 05:13

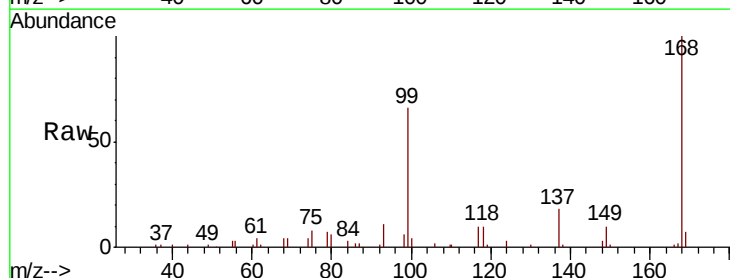
Tgt Ion: 56 Resp: 635

Ion Ratio Lower Upper

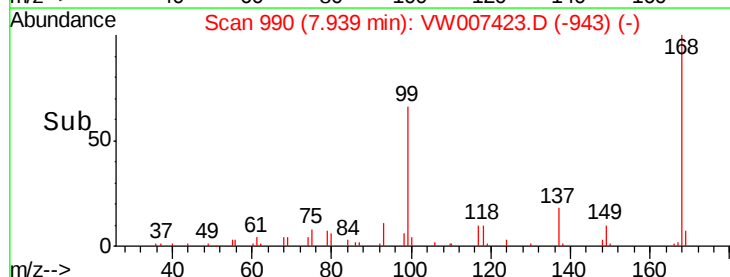
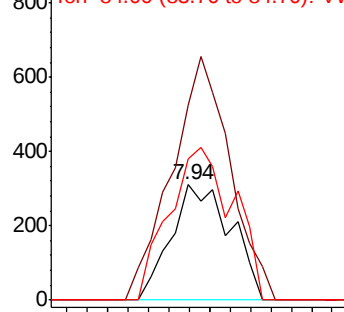
56 100

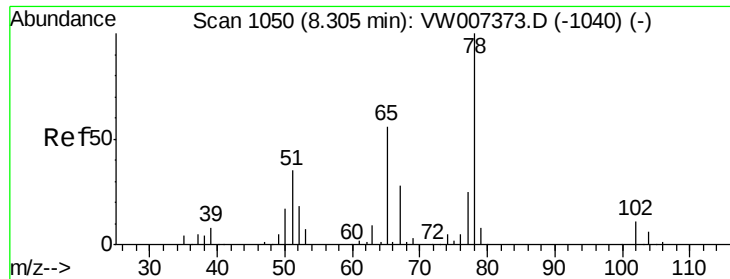
69 168.8 28.9 43.3#

84 122.5 71.8 107.6#



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

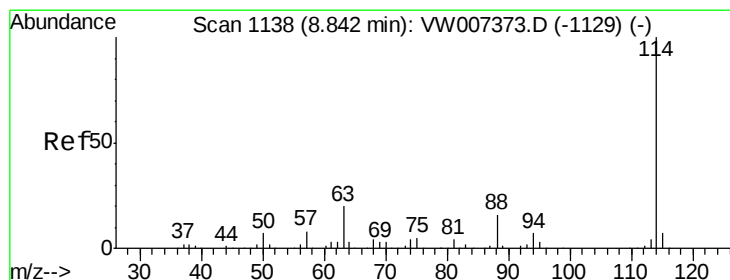
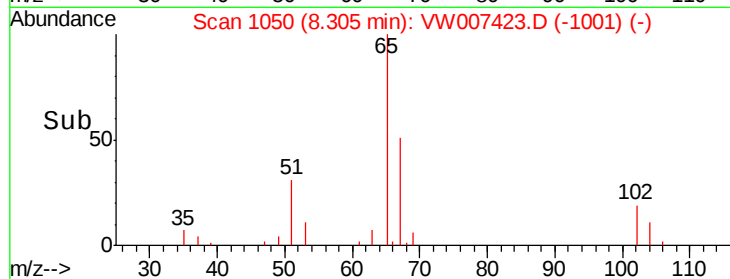
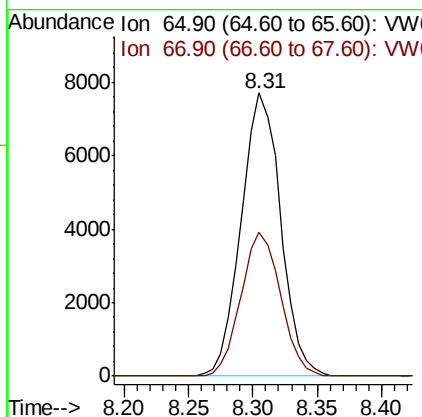
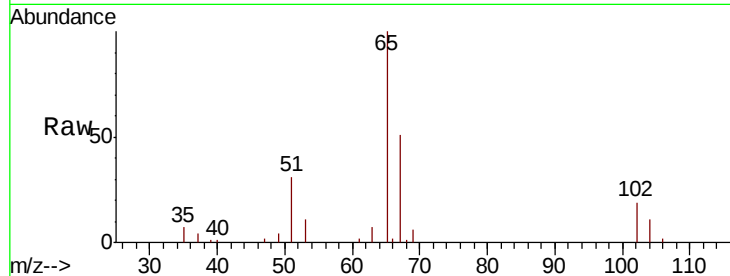




#33
 1,2-Dichloroethane-d4
 Concen: 46.544 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007423.D
 Acq: 12 Dec 2018 05:13

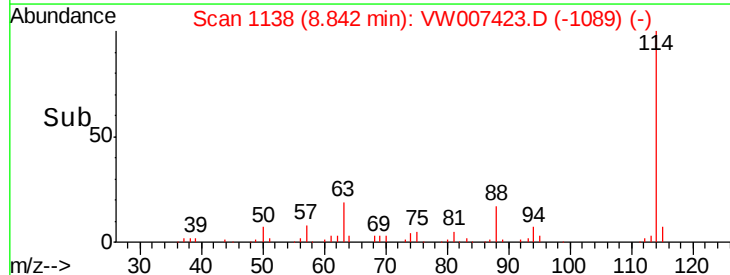
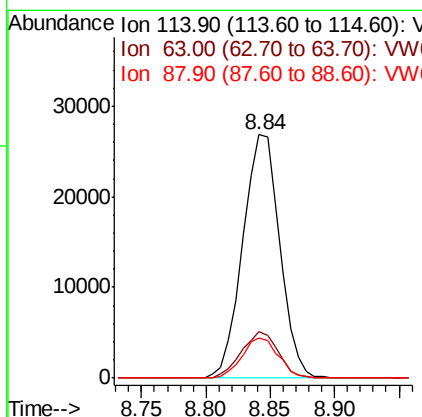
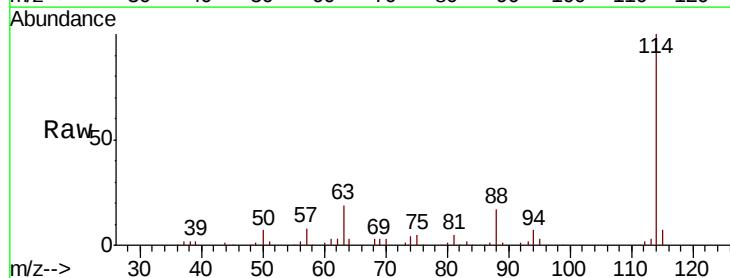
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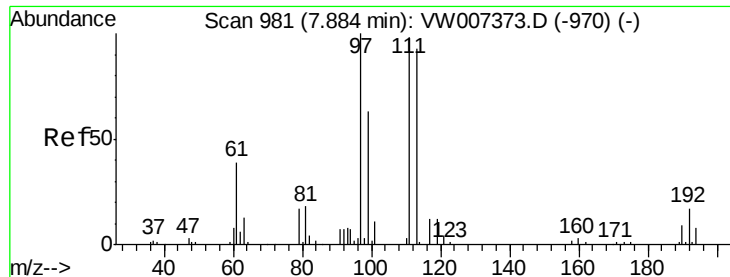
Tgt Ion: 65 Resp: 16362
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007423.D
 Acq: 12 Dec 2018 05:13

Tgt Ion: 114 Resp: 53225
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 39.6
 88 16.5 0.0 31.4

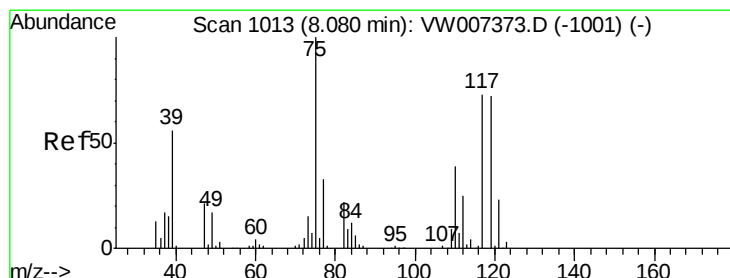
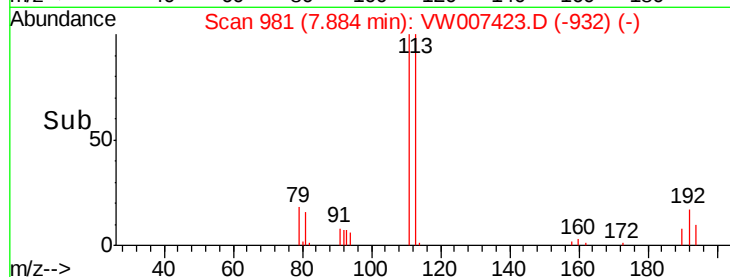
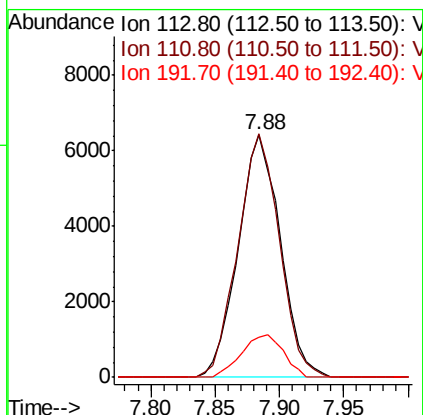
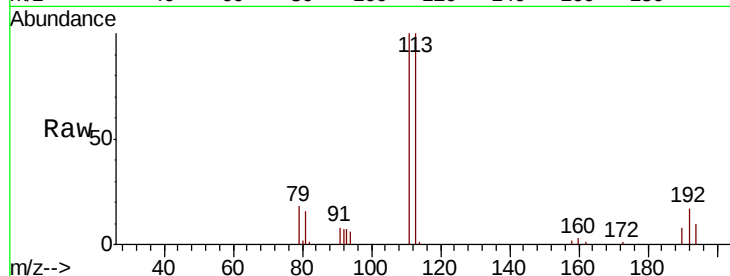




#35
 Dibromofluoromethane
 Concen: 45.069 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW007423.D
 Acq: 12 Dec 2018 05:13

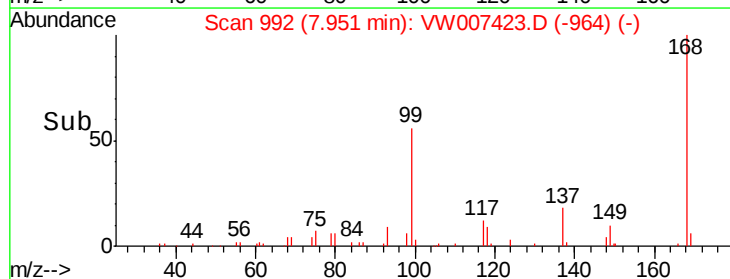
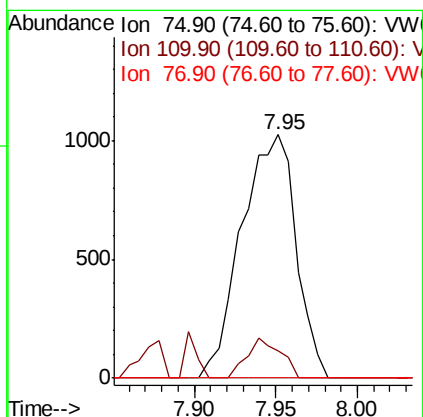
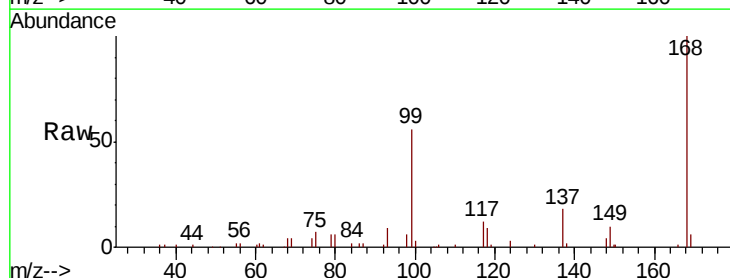
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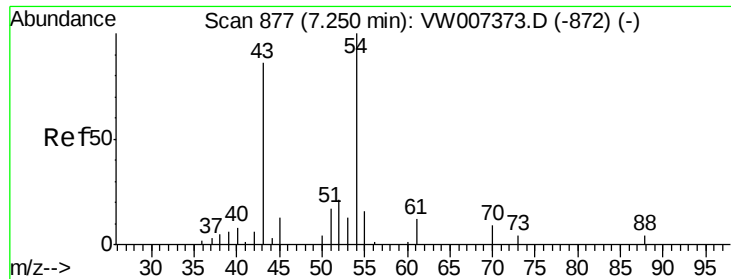
Tgt Ion:113 Resp: 14521
 Ion Ratio Lower Upper
 113 100
 111 99.2 81.1 121.7
 192 17.6 14.6 21.8



#36
 1,1-Dichloropropene
 Concen: 4.883 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW007423.D
 Acq: 12 Dec 2018 05:13

Tgt Ion: 75 Resp: 2371
 Ion Ratio Lower Upper
 75 100
 110 10.2 18.5 55.5#
 77 0.0 25.6 38.4#

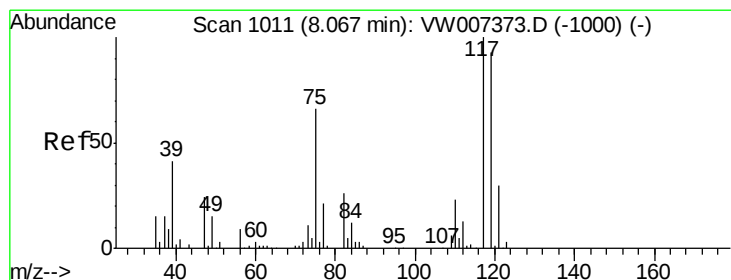
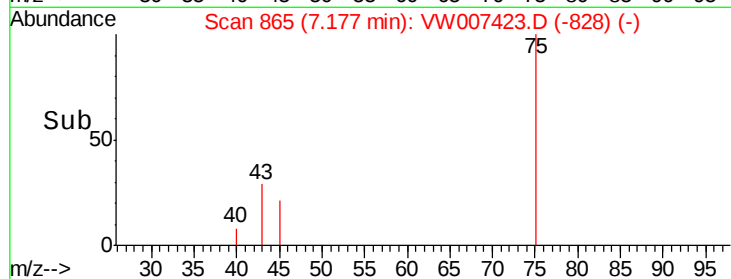
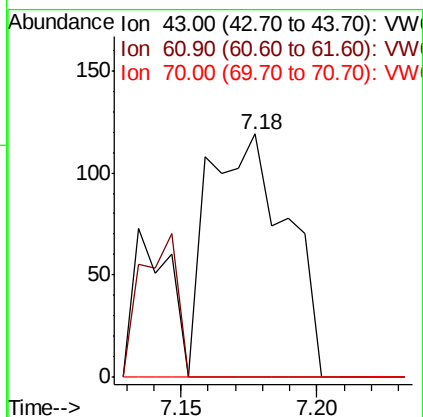
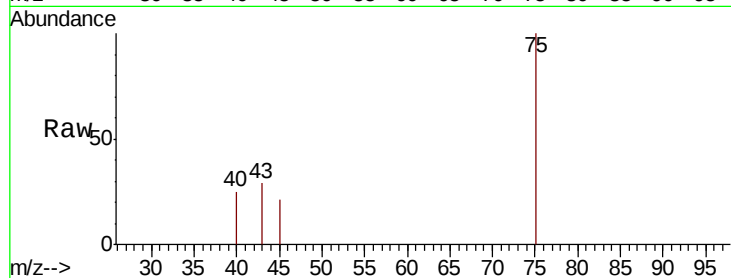




#37
 Ethyl Acetate
 Concen: 1.318 ug/l
 RT: 7.18 min Scan# 865
 Delta R.T. -0.07 min
 Lab File: VW007423.D
 Acq: 12 Dec 2018 05:13

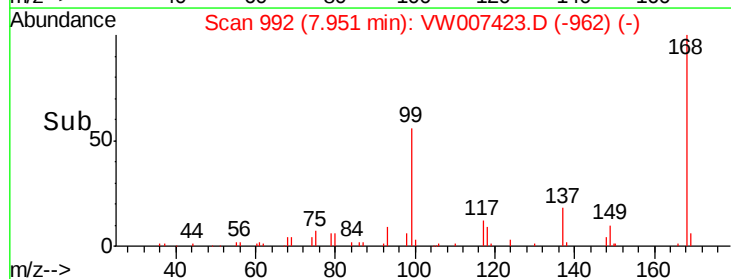
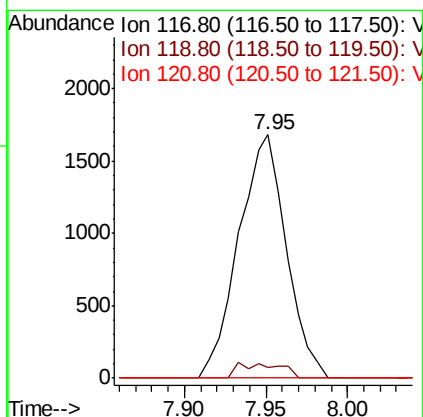
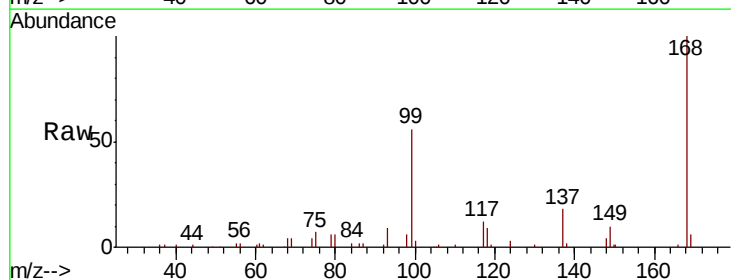
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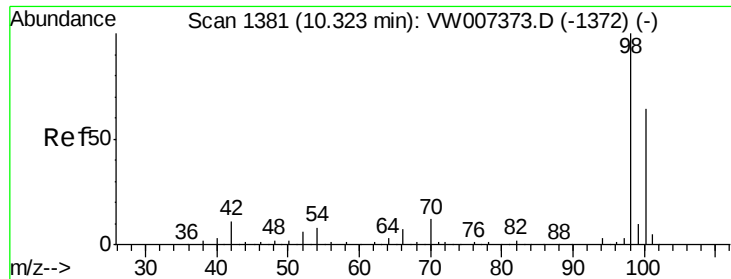
Tgt Ion: 43 Resp: 238
 Ion Ratio Lower Upper
 43 100
 61 0.0 12.1 18.1#
 70 0.0 10.0 15.0#



#38
 Carbon Tetrachloride
 Concen: 6.472 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW007423.D
 Acq: 12 Dec 2018 05:13

Tgt Ion: 117 Resp: 3419
 Ion Ratio Lower Upper
 117 100
 119 4.6 74.3 111.5#
 121 0.0 24.3 36.5#





#50

Toluene-d8

Concen: 35.440 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007423.D

Acq: 12 Dec 2018 05:13

Instrument :

MSVOA_W

ClientSampleId :

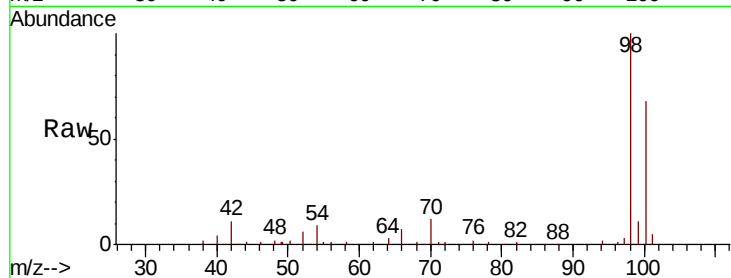
NR38-G1-110718

Tgt Ion: 98 Resp: 42813

Ion Ratio Lower Upper

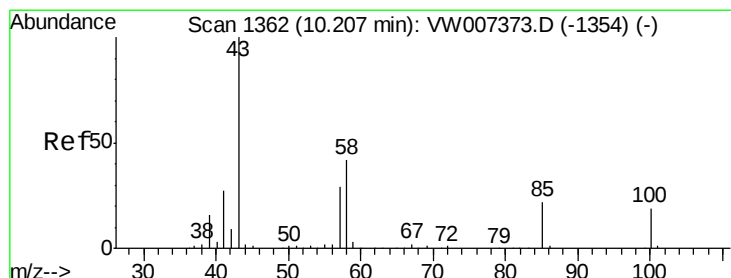
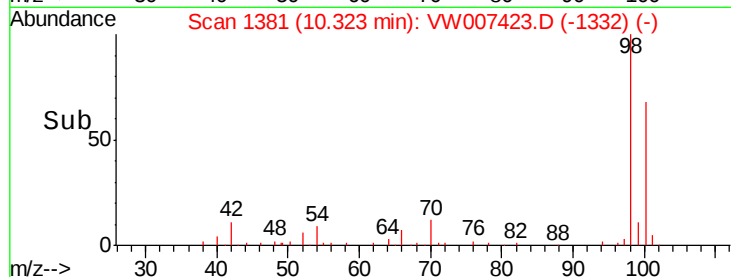
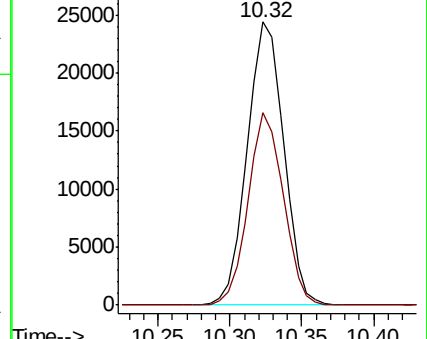
98 100

100 65.6 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#51

4-Methyl-2-Pentanone

Concen: 2.670 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW007423.D

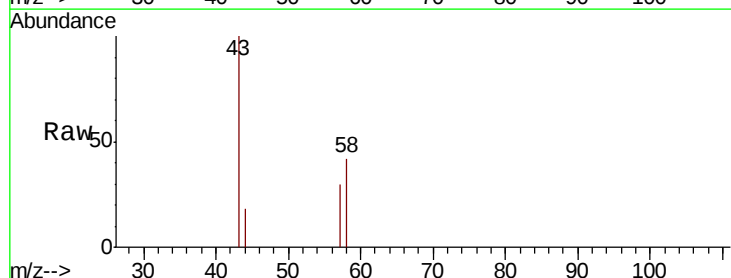
Acq: 12 Dec 2018 05:13

Tgt Ion: 43 Resp: 450

Ion Ratio Lower Upper

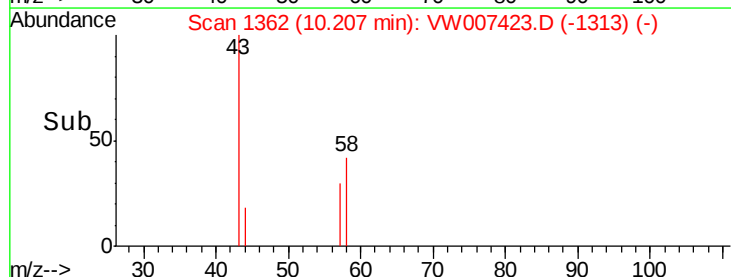
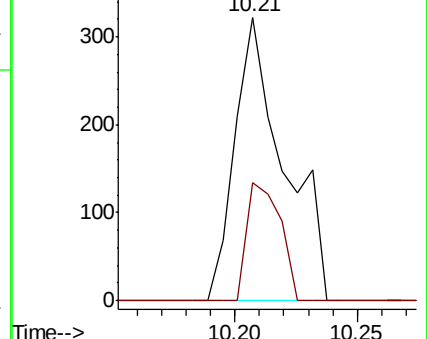
43 100

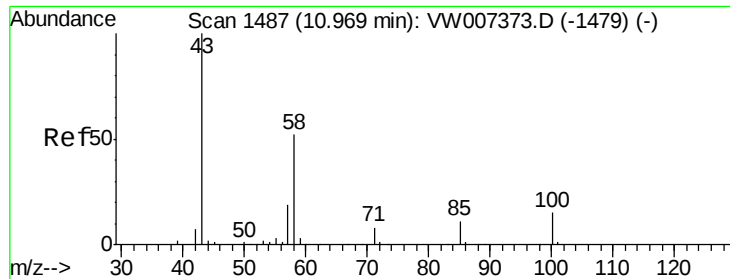
58 28.2 33.1 49.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#59

2-Hexanone

Concen: 2.865 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW007423.D

Acq: 12 Dec 2018 05:13

Instrument :

MSVOA_W

ClientSampleId :

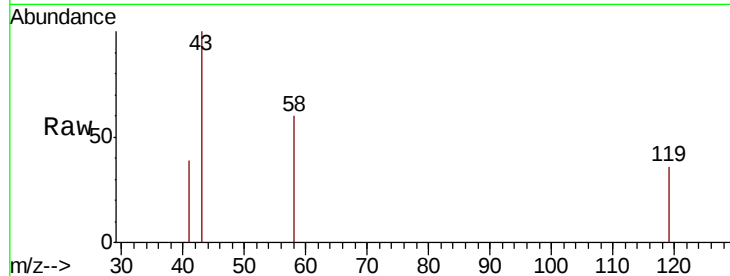
NR38-G1-110718

Tgt Ion: 43 Resp: 322

Ion Ratio Lower Upper

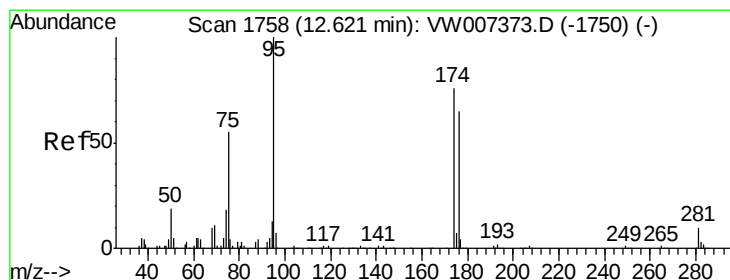
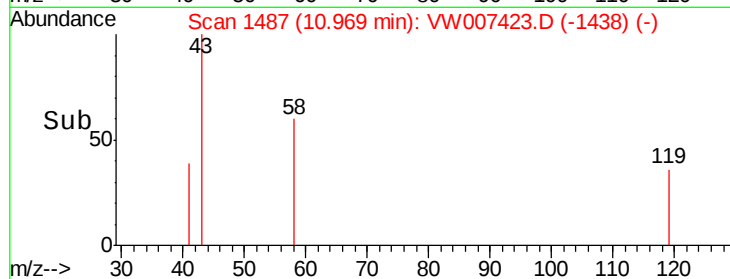
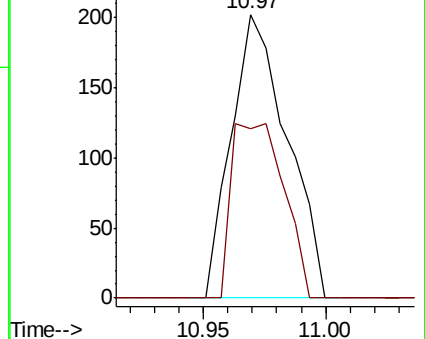
43 100

58 57.8 27.1 81.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#62

4-Bromofluorobenzene

Concen: 25.536 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007423.D

Acq: 12 Dec 2018 05:13

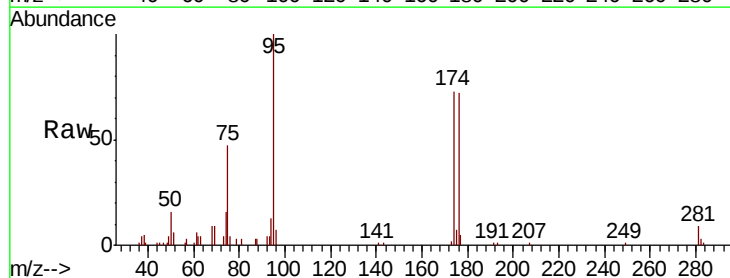
Tgt Ion: 95 Resp: 11342

Ion Ratio Lower Upper

95 100

174 76.6 0.0 147.2

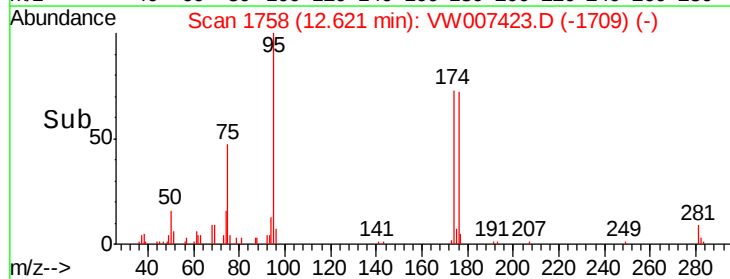
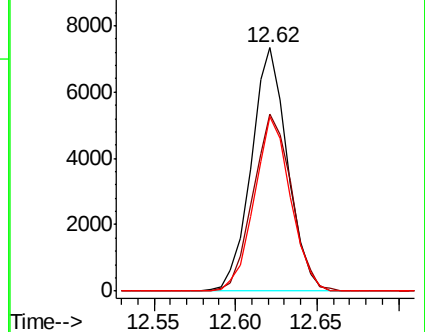
176 71.4 0.0 138.8

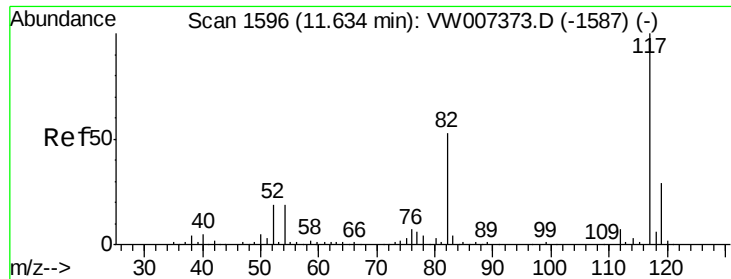


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

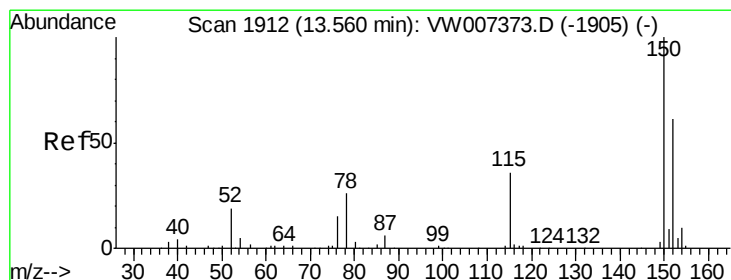
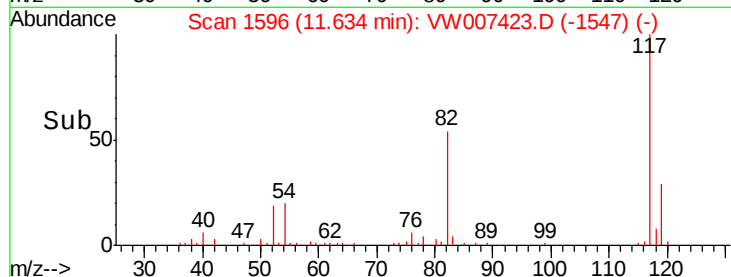
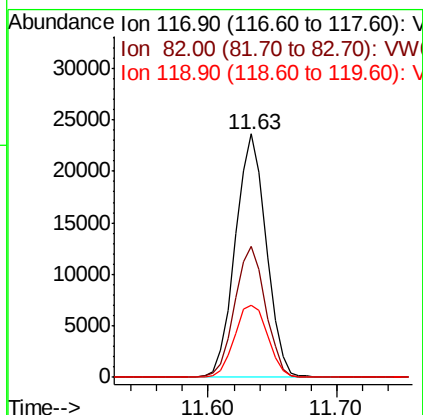
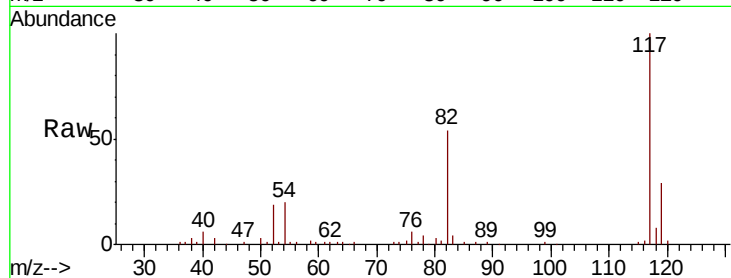




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007423.D
Acq: 12 Dec 2018 05:13

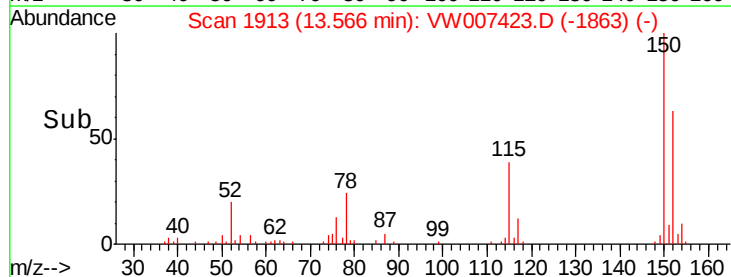
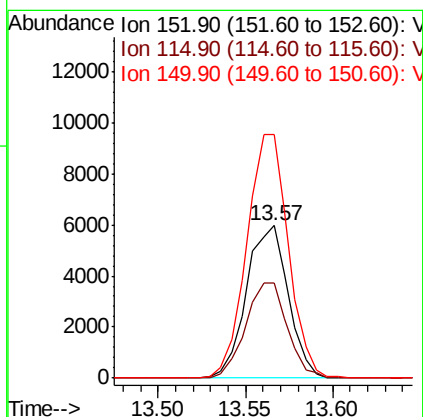
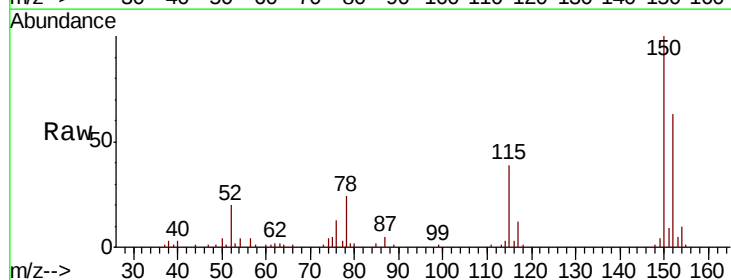
Instrument :
MSVOA_W
ClientSampleId :
NR38-G1-110718

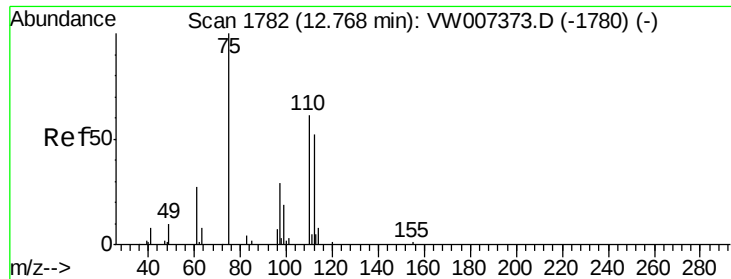
Tgt Ion:117 Resp: 39252
Ion Ratio Lower Upper
117 100
82 53.8 42.3 63.5
119 29.4 23.0 34.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.01 min
Lab File: VW007423.D
Acq: 12 Dec 2018 05:13

Tgt Ion:152 Resp: 9958
Ion Ratio Lower Upper
152 100
115 62.3 31.4 94.2
150 158.8 0.0 358.4

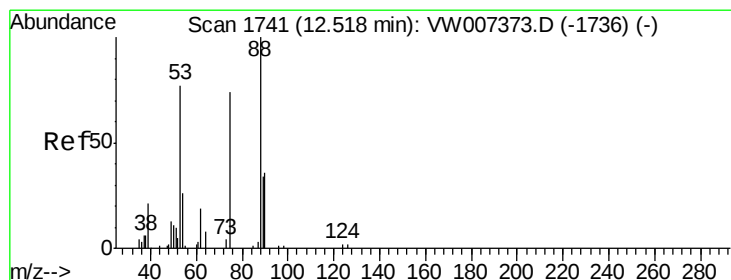
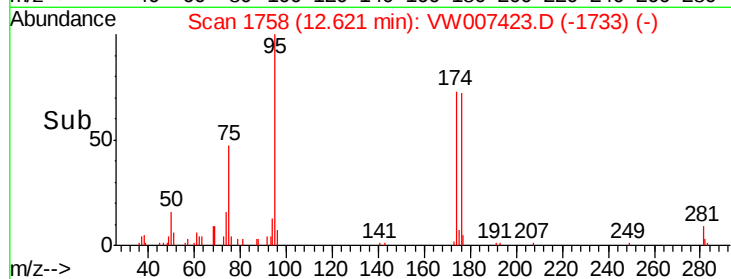
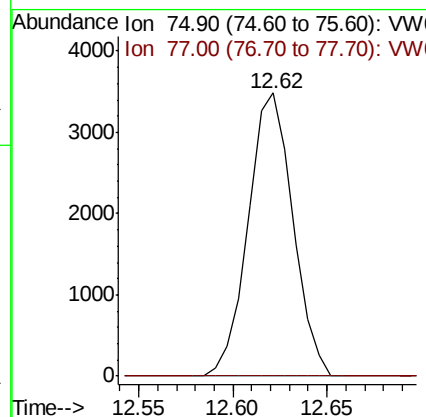
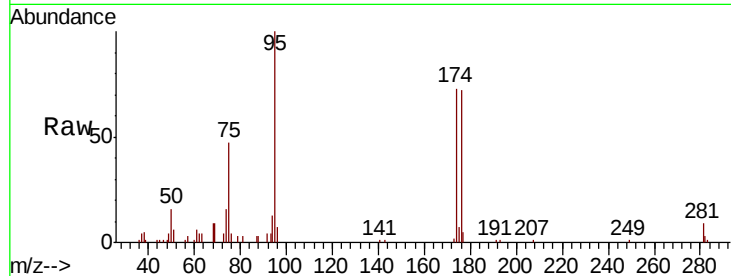




#76
 1,2,3-Trichloropropane
 Concen: 69.678 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW007423.D
 Acq: 12 Dec 2018 05:13

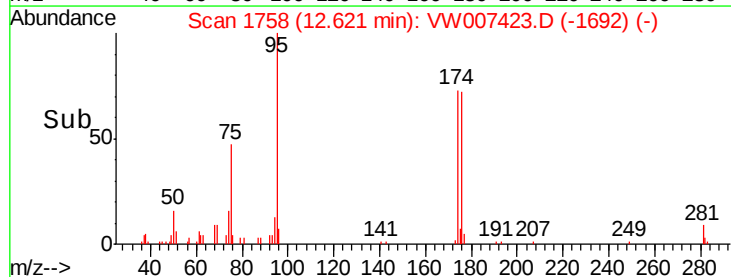
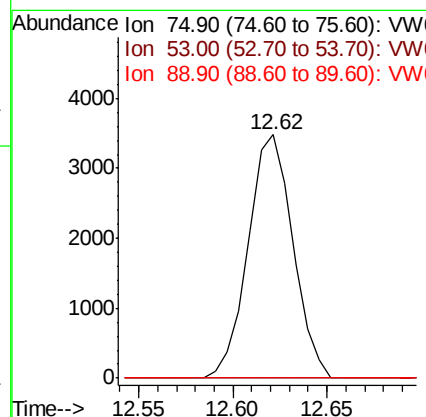
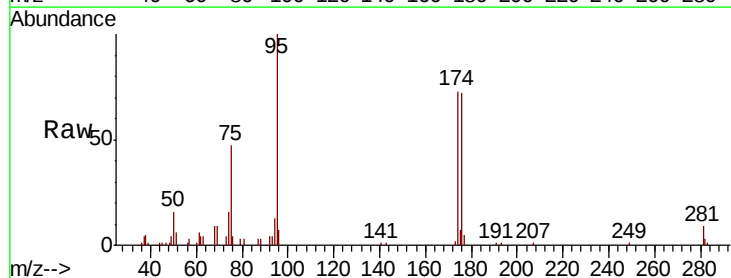
Instrument :
 MSVOA_W
 ClientSampleId :
 NR38-G1-110718

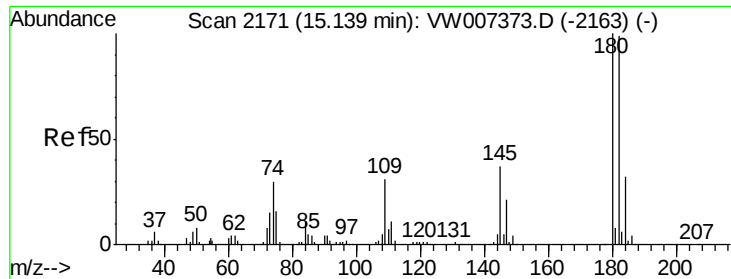
Tgt Ion: 75 Resp: 5721
 Ion Ratio Lower Upper
 75 100
 77 0.0 166.9 500.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 153.919 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.10 min
 Lab File: VW007423.D
 Acq: 12 Dec 2018 05:13

Tgt Ion: 75 Resp: 5721
 Ion Ratio Lower Upper
 75 100
 53 0.0 84.9 127.3#
 89 0.0 40.3 60.5#

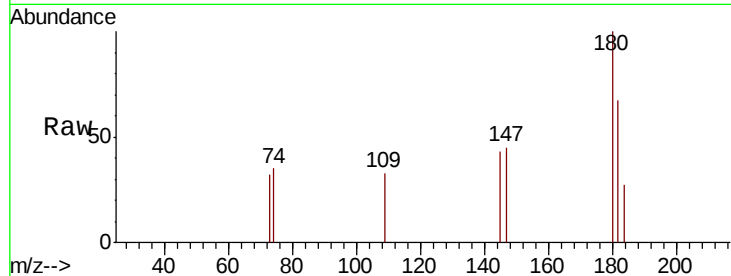




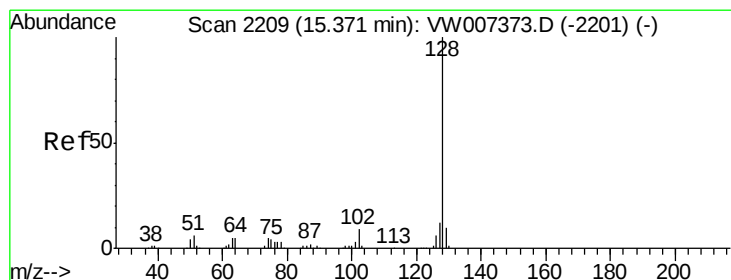
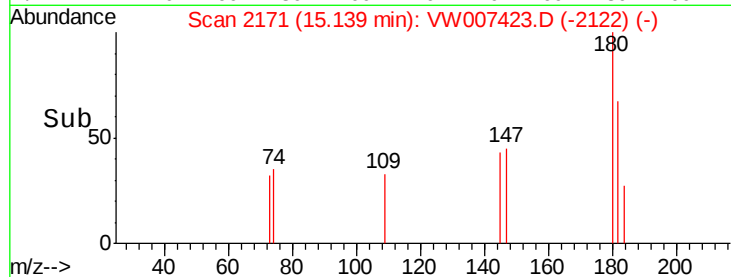
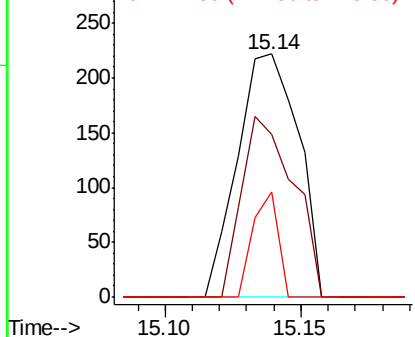
#93
 1,2,4-Trichlorobenzene
 Concen: 1.655 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW007423.D
 Acq: 12 Dec 2018 05:13

Instrument :
 MSVOA_W
 ClientSampleId :
 NR38-G1-110718

Tgt Ion:180 Resp: 344
 Ion Ratio Lower Upper
 180 100
 182 63.4 49.9 149.6
 145 17.7 17.8 53.4#

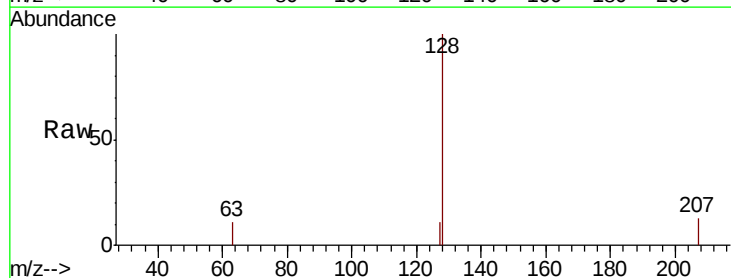


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

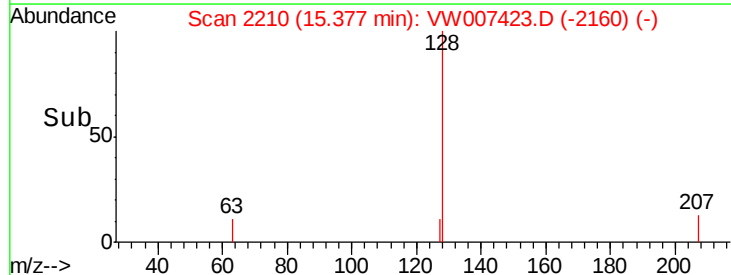
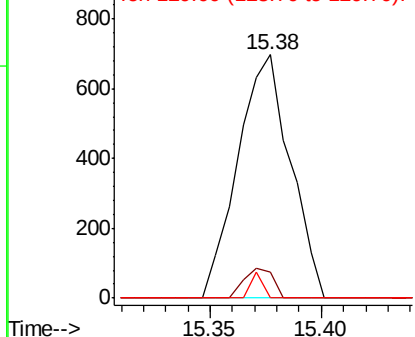


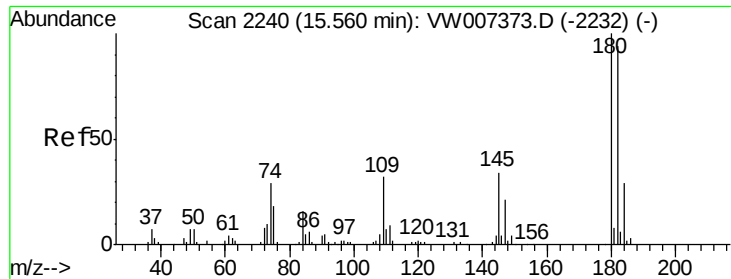
#95
 Naphthalene
 Concen: 2.872 ug/l
 RT: 15.38 min Scan# 2210
 Delta R.T. 0.01 min
 Lab File: VW007423.D
 Acq: 12 Dec 2018 05:13

Tgt Ion:128 Resp: 1142
 Ion Ratio Lower Upper
 128 100
 127 6.7 10.2 15.4#
 129 2.4 8.3 12.5#



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: 1.545 ug/l
 RT: 15.57 min Scan# 2242
 Delta R.T. 0.01 min
 Lab File: VW007423.D
 Acq: 12 Dec 2018 05:13

Instrument :
 MSVOA_W
 ClientSampleId :
 NR38-G1-110718

Tgt Ion	Ratio	Lower	Upper
180	100		
182	117.9	45.6	136.7
145	37.3	17.5	52.5

