

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082719\
 Data File : VW012215.D
 Acq On : 27 Aug 2019 16:27
 Operator : SY/VA
 Sample : K4521-11
 Misc : 4.07G/5ML/MSVOA_W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PX-14

Quant Time: Aug 28 04:57:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	249475	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	416924	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	344372	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	138745	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	145824	49.17	ug/l	0.00
Spiked Amount			Recovery	=	98.34%	
35) Dibromofluoromethane	7.88	113	121939	49.00	ug/l	0.00
Spiked Amount			Recovery	=	98.00%	
50) Toluene-d8	10.32	98	507374	50.28	ug/l	0.00
Spiked Amount			Recovery	=	100.56%	
62) 4-Bromofluorobenzene	12.62	95	163310	45.91	ug/l	0.00
Spiked Amount			Recovery	=	91.82%	

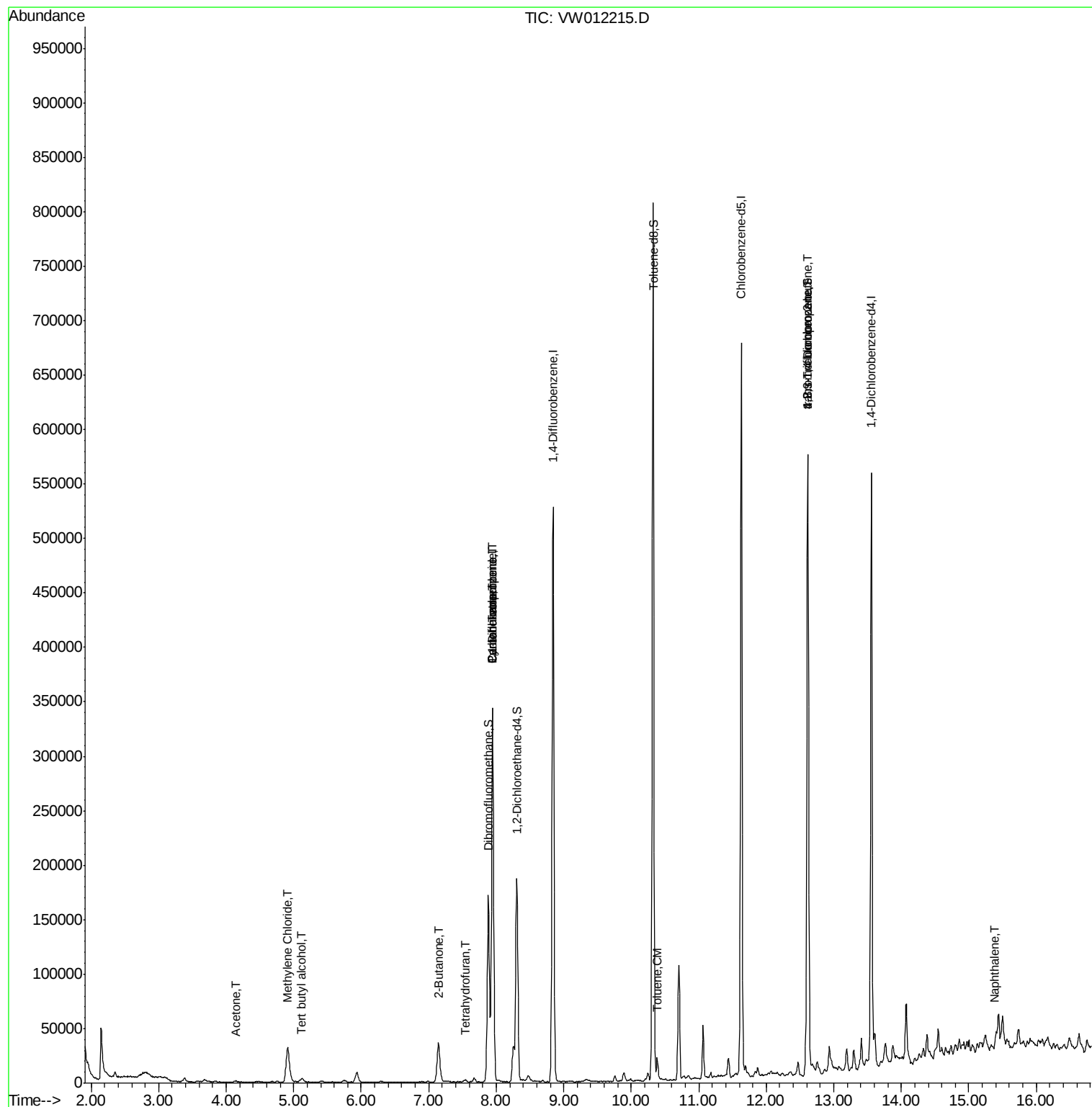
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	3236	18.132	ug/l #	71
16) Acetone	4.14	43	2525	3.331	ug/l	90
20) Methylene Chloride	4.91	84	23582	8.229	ug/l	95
25) 2-Butanone	7.14	43	2650	2.572	ug/l #	81
29) Tetrahydrofuran	7.54	42	1918	3.103	ug/l #	93
31) Cyclohexane	7.95	56	6361	1.191	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	21848	5.071	ug/l #	44
38) Carbon Tetrachloride	7.95	117	25202	6.758	ug/l #	17
52) Toluene	10.39	92	8245	1.167	ug/l	100
76) 1,2,3-Trichloropropane	12.62	75	86682	64.148	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	86682	140.647	ug/l #	6
95) Naphthalene	15.37	128	491	4.407	ug/l #	42

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW012215.D

Acq: 27 Aug 2019 16:27

Instrument :

MSVOA_W

ClientSampleId :

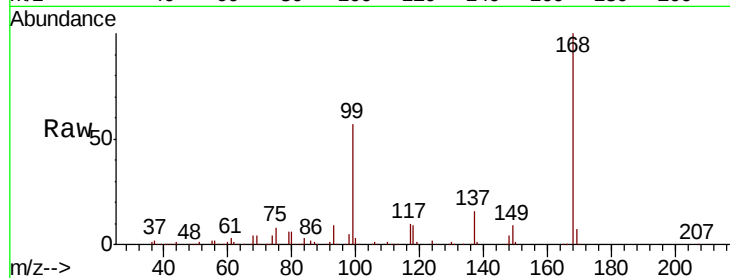
PX-14

Tgt Ion: 168 Resp: 249475

Ion Ratio Lower Upper

168 100

99 56.7 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

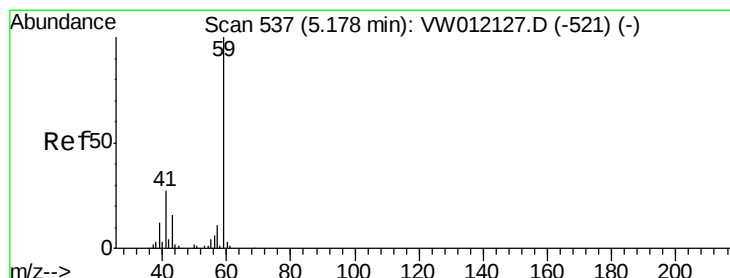
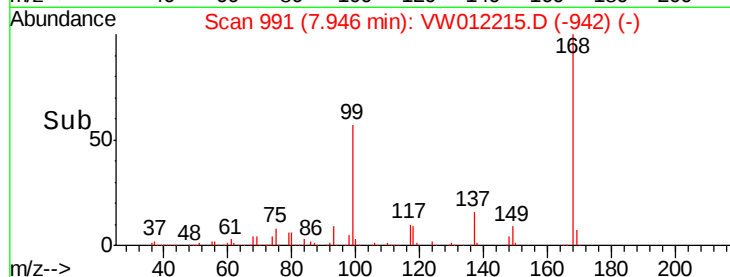
100000

50000

0

7.90 8.00

Time-->



#11

Tert butyl alcohol

Concen: 18.132 ug/l

RT: 5.12 min Scan# 527

Delta R.T. -0.06 min

Lab File: VW012215.D

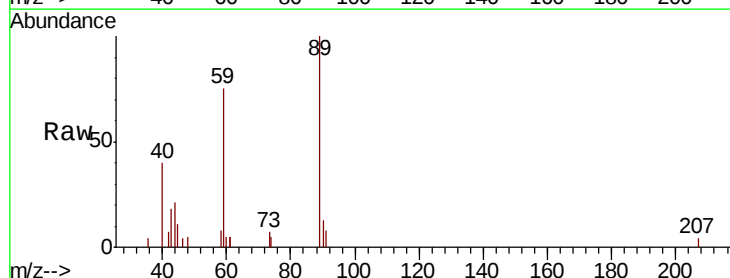
Acq: 27 Aug 2019 16:27

Tgt Ion: 59 Resp: 3236

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.12

1000

800

600

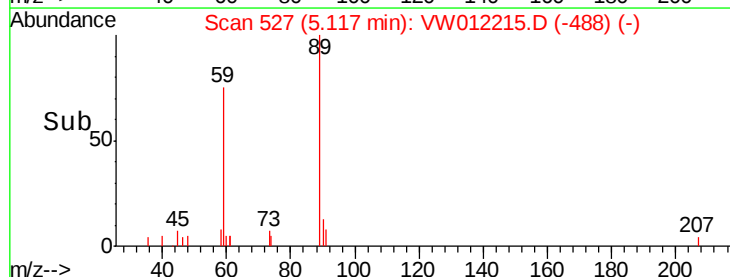
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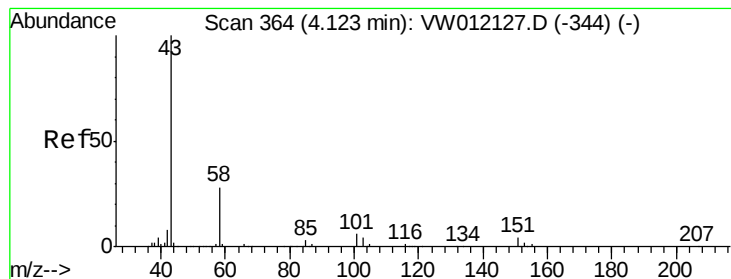
200

0

5.00 5.05 5.10 5.15 5.20

Time-->





#16

Acetone

Concen: 3.331 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW012215.D

Acq: 27 Aug 2019 16:27

Instrument :

MSVOA_W

ClientSampled :

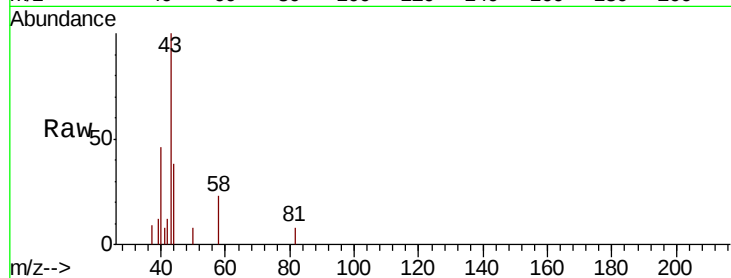
PX-14

Tgt Ion: 43 Resp: 2525

Ion Ratio Lower Upper

43 100

58 22.8 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

800

600

400

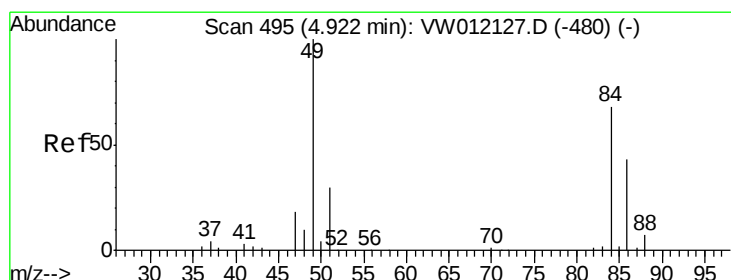
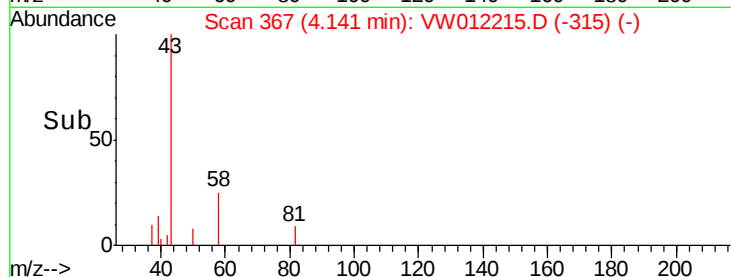
200

0

4.05 4.10 4.15 4.20 4.25

4.14

Time-->



#20

Methylene Chloride

Concen: 8.229 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW012215.D

Acq: 27 Aug 2019 16:27

Tgt Ion: 84 Resp: 23582

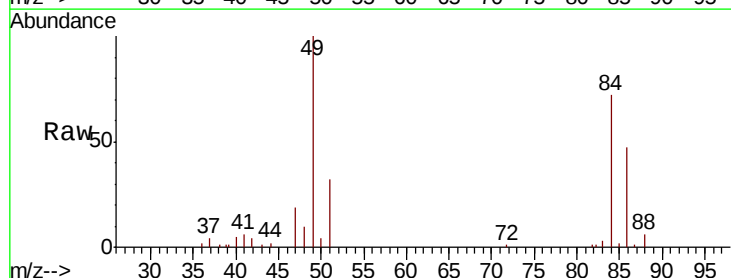
Ion Ratio Lower Upper

84 100

49 138.2 117.8 176.8

51 45.1 35.6 53.4

86 64.9 51.2 76.8



Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW

15000

10000

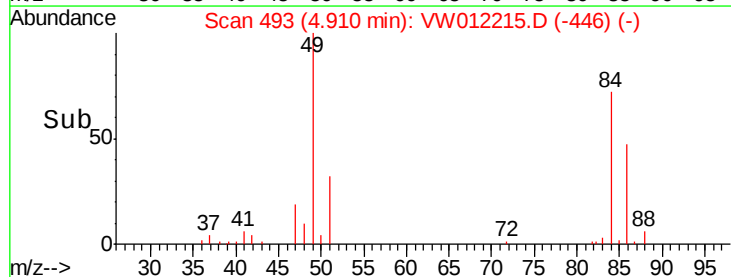
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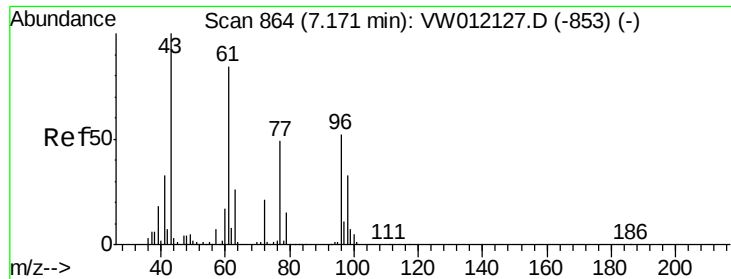
0

4.80 4.90 5.00

4.91

Time-->





#25

2-Butanone

Concen: 2.572 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW012215.D

Acq: 27 Aug 2019 16:27

Instrument :

MSVOA_W

ClientSampleId :

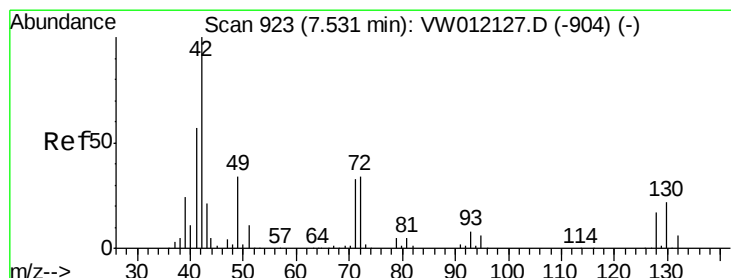
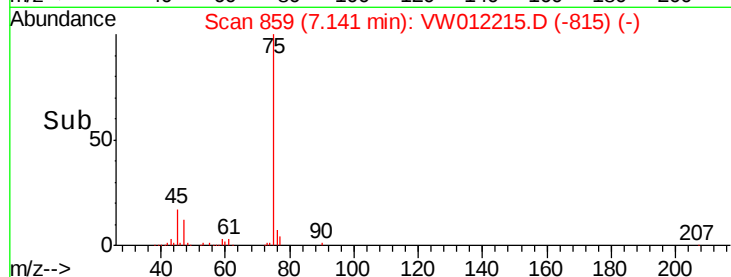
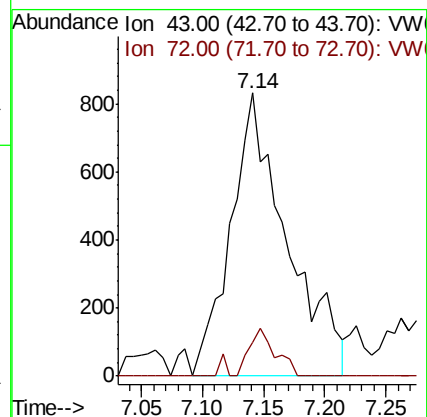
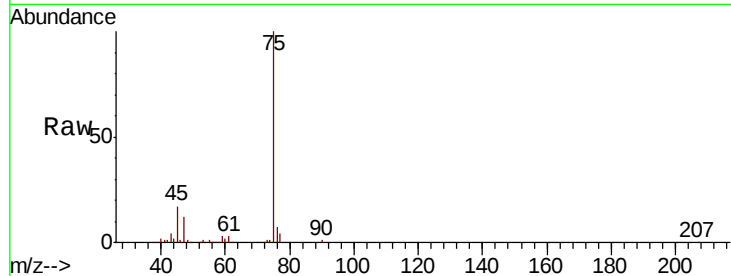
PX-14

Tgt Ion: 43 Resp: 2650

Ion Ratio Lower Upper

43 100

72 11.8 16.6 24.8#



#29

Tetrahydrofuran

Concen: 3.103 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW012215.D

Acq: 27 Aug 2019 16:27

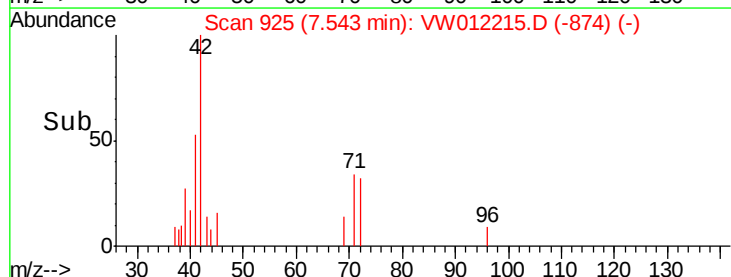
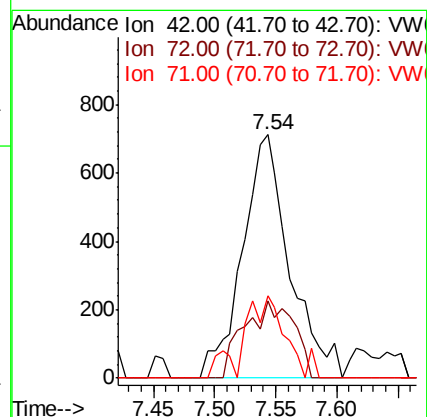
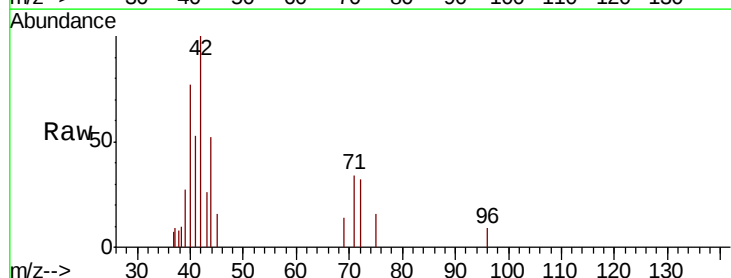
Tgt Ion: 42 Resp: 1918

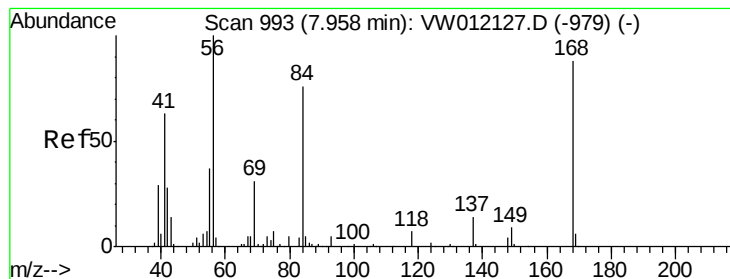
Ion Ratio Lower Upper

42 100

72 33.1 27.3 40.9

71 24.7 25.5 38.3#





#31

Cyclohexane

Concen: 1.191 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012215.D

Acq: 27 Aug 2019 16:27

Instrument :

MSVOA_W

ClientSampled :

PX-14

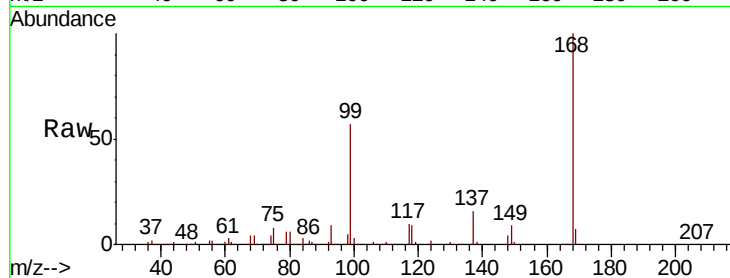
Tgt Ion: 56 Resp: 6361

Ion Ratio Lower Upper

56 100

69 164.8 24.9 37.3#

84 135.6 60.6 90.8#

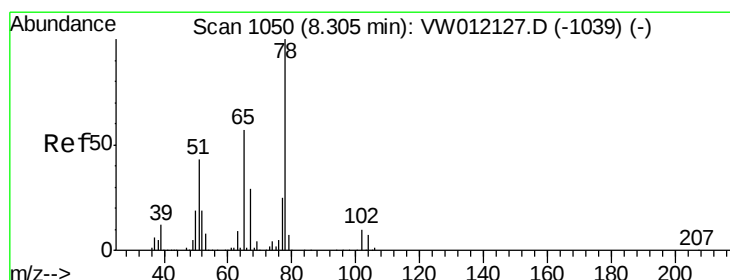
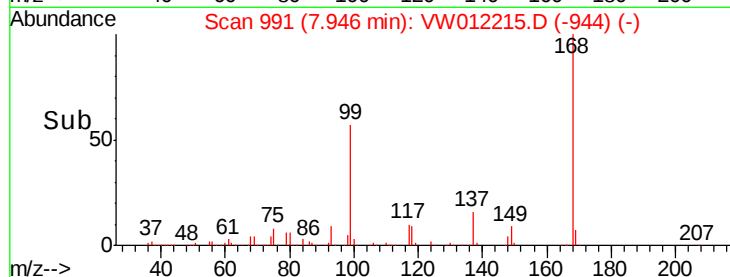
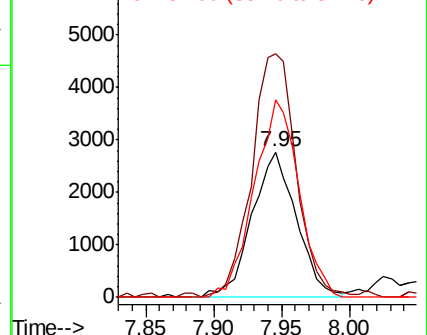


Abundance

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: 49.171 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW012215.D

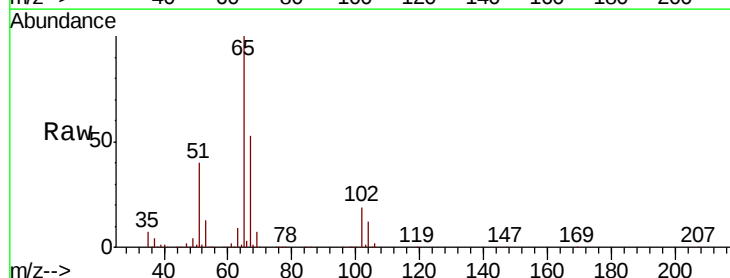
Acq: 27 Aug 2019 16:27

Tgt Ion: 65 Resp: 145824

Ion Ratio Lower Upper

65 100

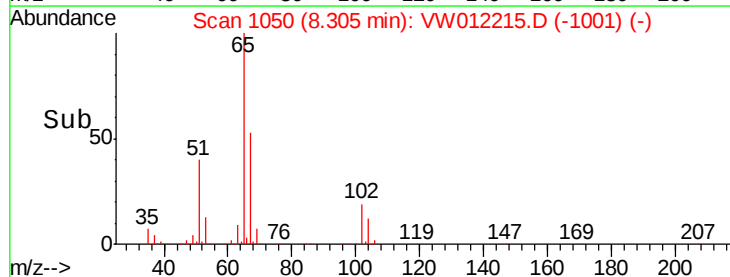
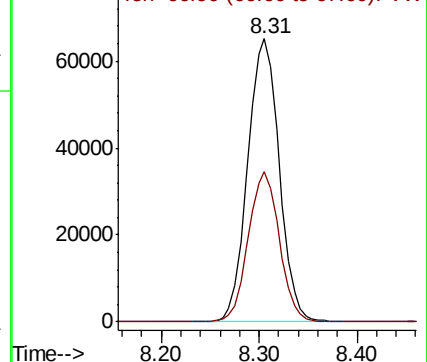
67 52.5 0.0 102.6

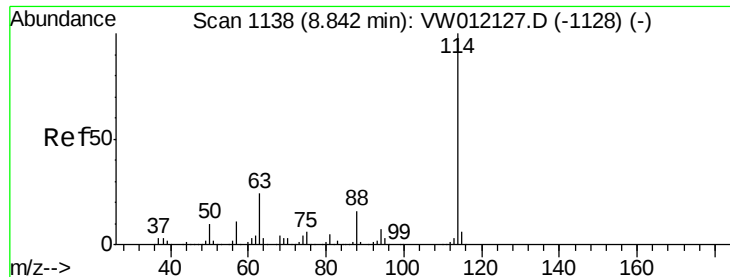


Abundance

Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

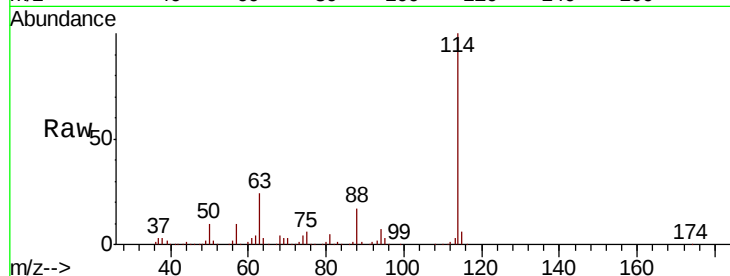




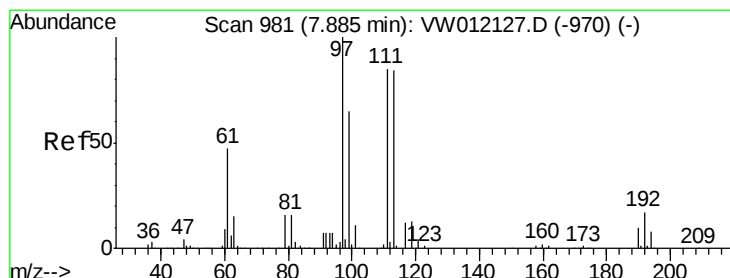
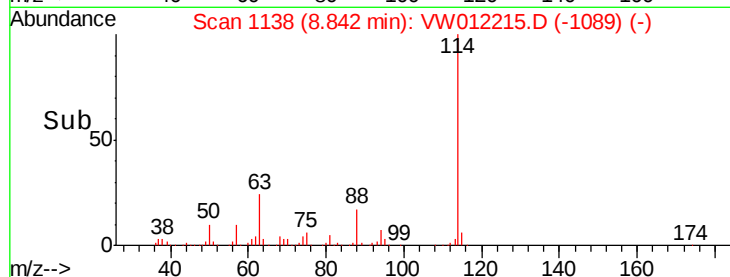
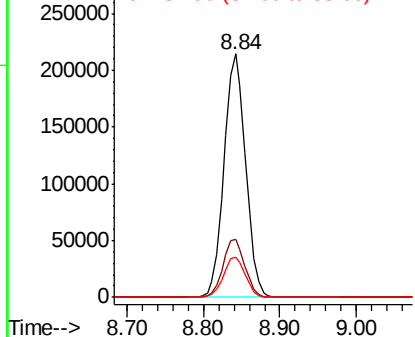
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012215.D
 Acq: 27 Aug 2019 16:27

Instrument :
 MSVOA_W
 ClientSampleId :
 PX-14

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.0	0.0	48.6
88	16.6	0.0	32.2

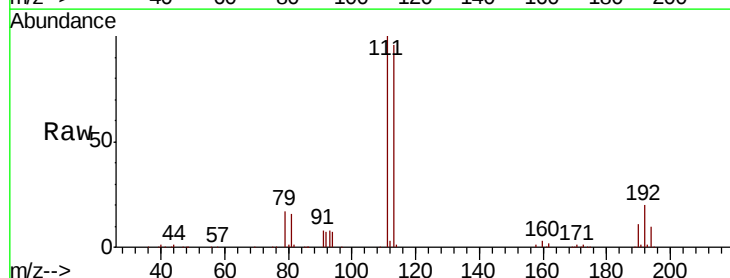


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

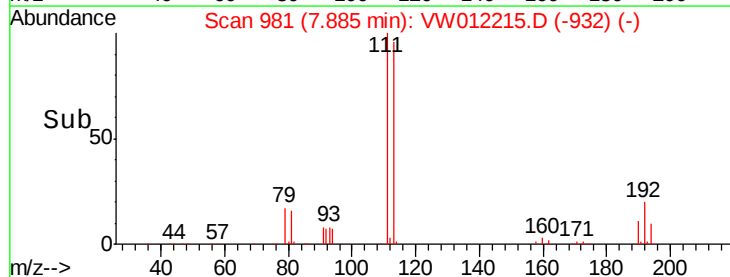
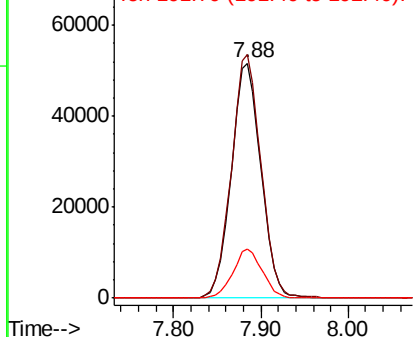


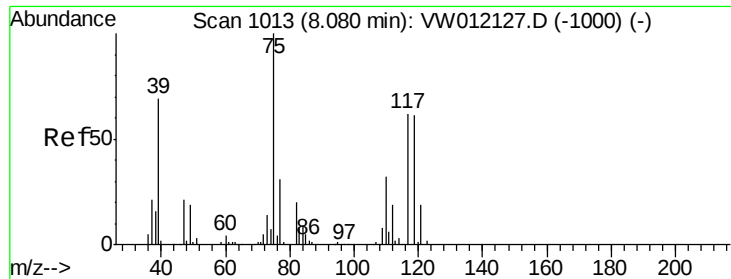
#35
 Dibromofluoromethane
 Concen: 48.998 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW012215.D
 Acq: 27 Aug 2019 16:27

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.7	124.1
192	20.6	16.2	24.2



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

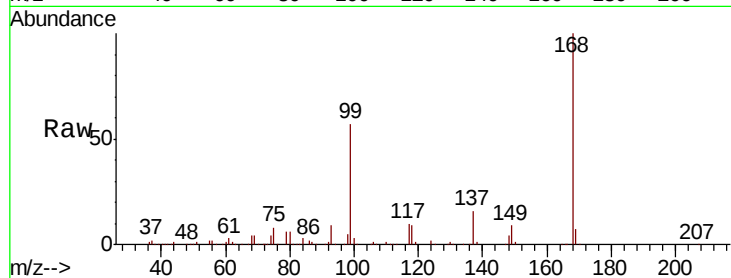




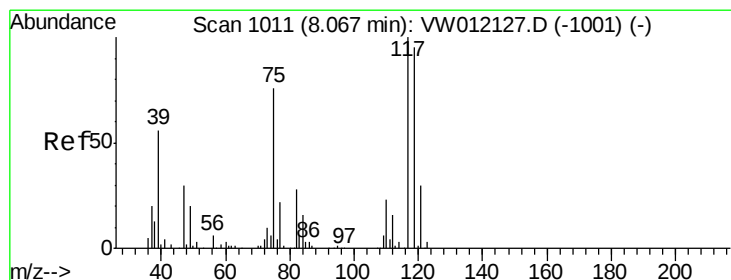
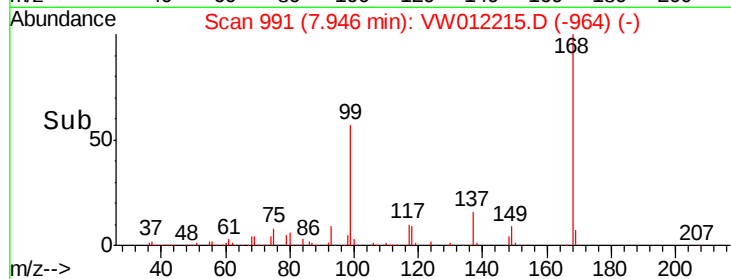
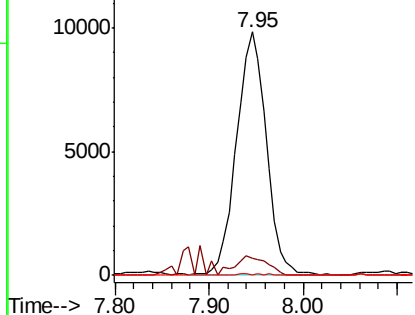
#36
 1,1-Dichloropropene
 Concen: 5.071 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012215.D
 Acq: 27 Aug 2019 16:27

Instrument :
 MSVOA_W
 ClientSampleId :
 PX-14

Tgt Ion: 75 Resp: 21848
 Ion Ratio Lower Upper
 75 100
 110 0.0 15.6 46.8#
 77 0.1 24.6 36.8#

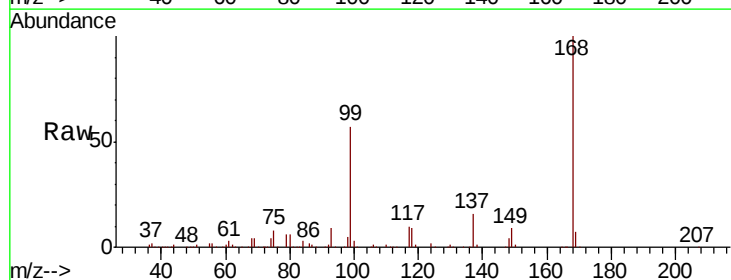


Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW

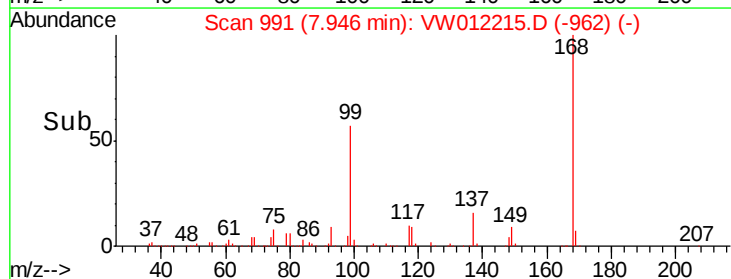
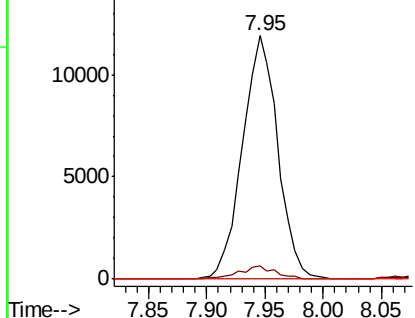


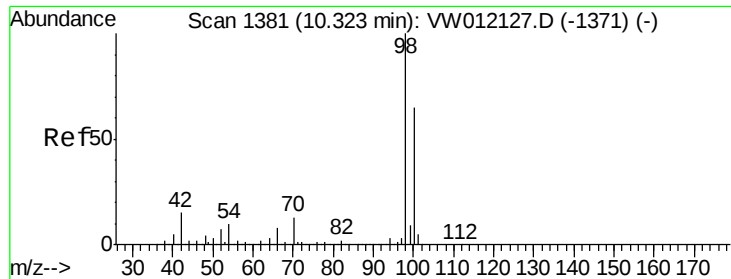
#38
 Carbon Tetrachloride
 Concen: 6.758 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012215.D
 Acq: 27 Aug 2019 16:27

Tgt Ion: 117 Resp: 25202
 Ion Ratio Lower Upper
 117 100
 119 5.4 76.2 114.2#
 121 0.0 23.8 35.8#



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: 50.281 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012215.D

Acq: 27 Aug 2019 16:27

Instrument :

MSVOA_W

ClientSampled :

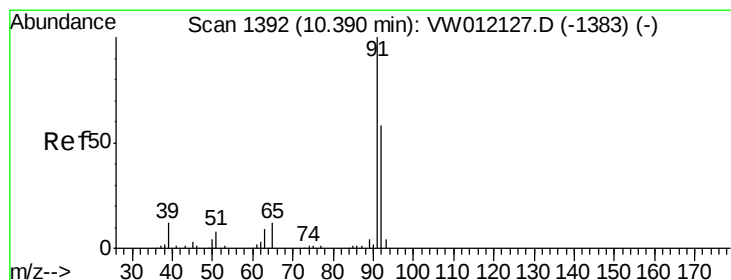
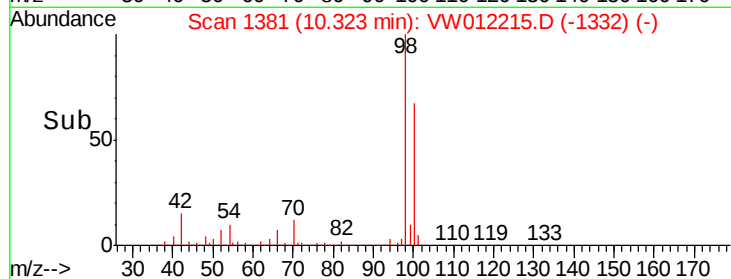
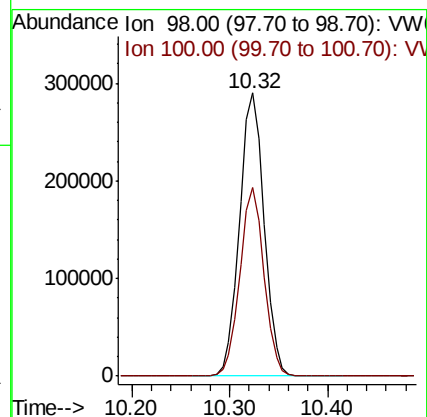
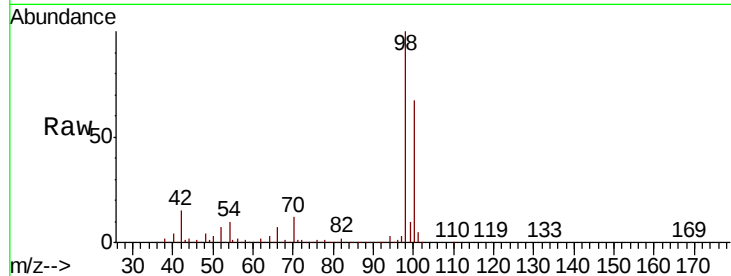
PX-14

Tgt Ion: 98 Resp: 507374

Ion Ratio Lower Upper

98 100

100 65.2 52.4 78.6



#52

Toluene

Concen: 1.167 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW012215.D

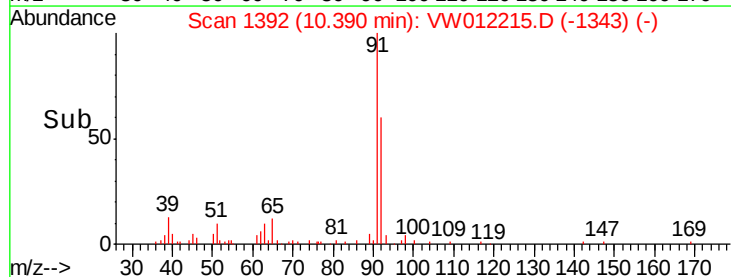
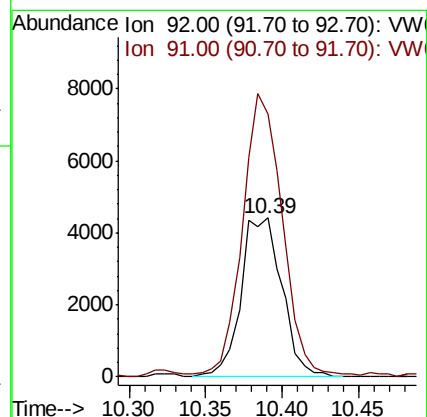
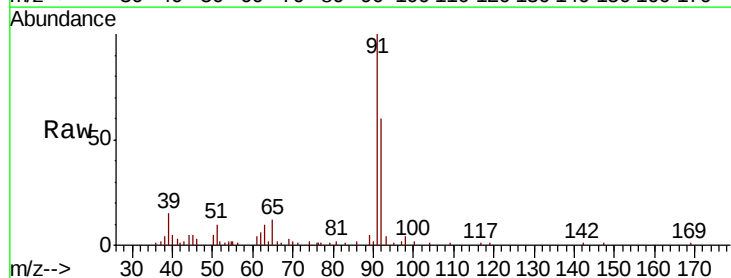
Acq: 27 Aug 2019 16:27

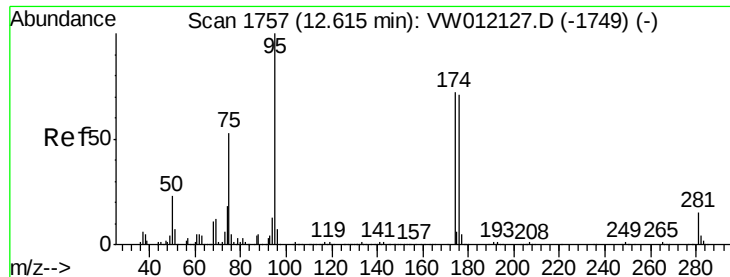
Tgt Ion: 92 Resp: 8245

Ion Ratio Lower Upper

92 100

91 171.0 136.6 204.8

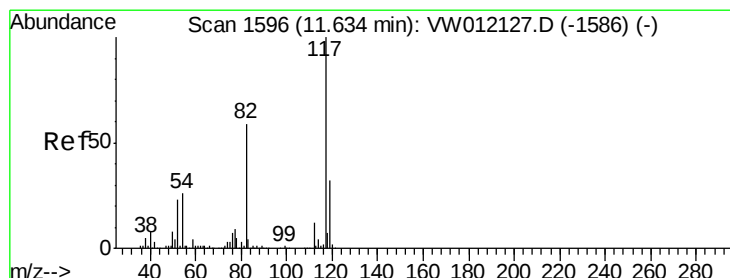
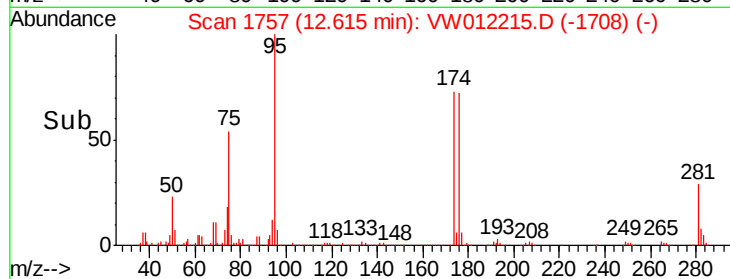
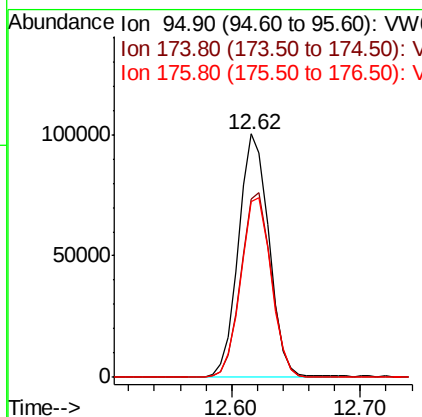
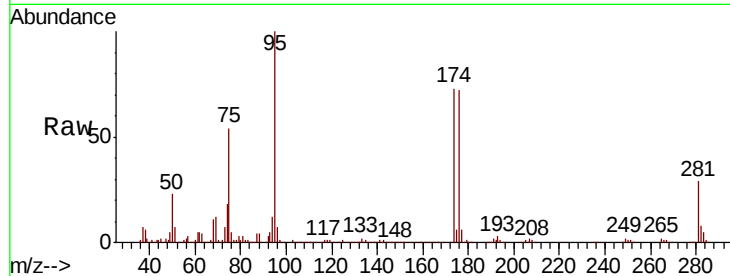




#62
4-Bromofluorobenzene
Concen: 45.913 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW012215.D
Acq: 27 Aug 2019 16:27

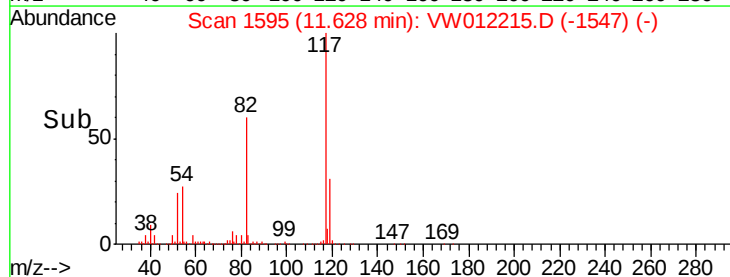
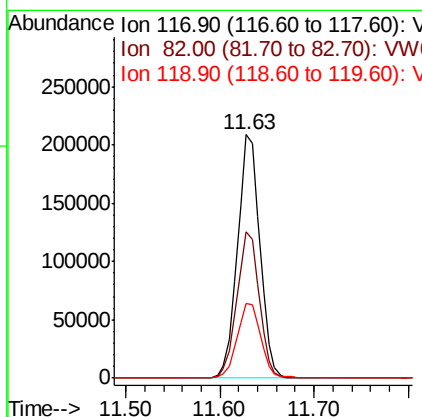
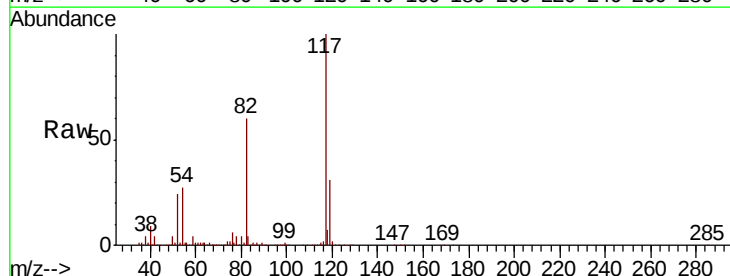
Instrument :
MSVOA_W
ClientSampleId :
PX-14

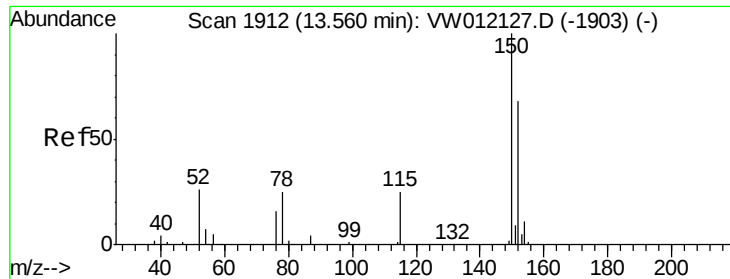
Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.9	0.0	150.8
176	73.9	0.0	148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012215.D
Acq: 27 Aug 2019 16:27

Tgt Ion	Ratio	Lower	Upper
117	100		
82	59.8	47.4	71.2
119	30.7	25.4	38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW012215.D

Acq: 27 Aug 2019 16:27

Instrument :

MSVOA_W

ClientSampleId :

PX-14

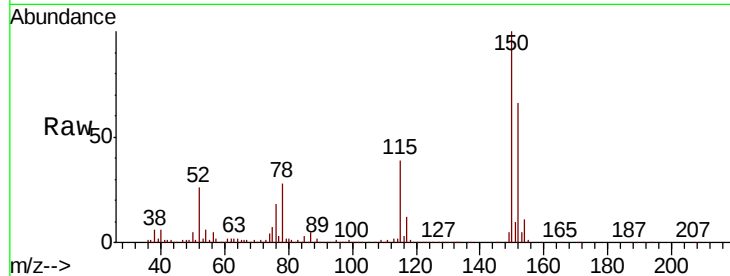
Tgt Ion:152 Resp: 138745

Ion Ratio Lower Upper

152 100

115 60.4 30.1 90.3

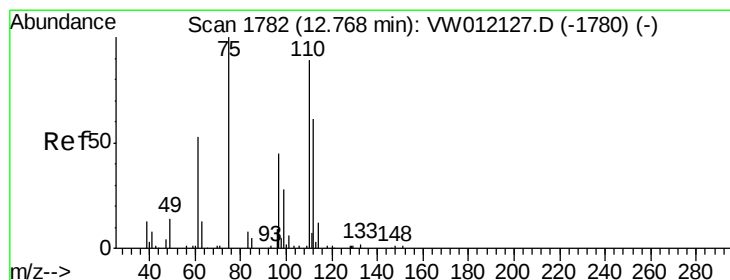
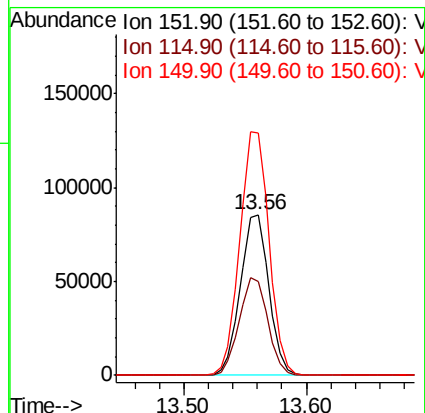
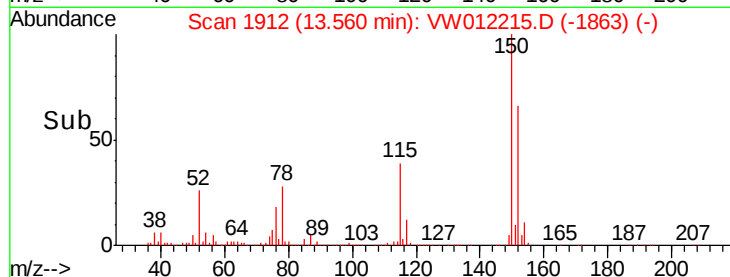
150 154.9 0.0 345.8



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: 64.148 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012215.D

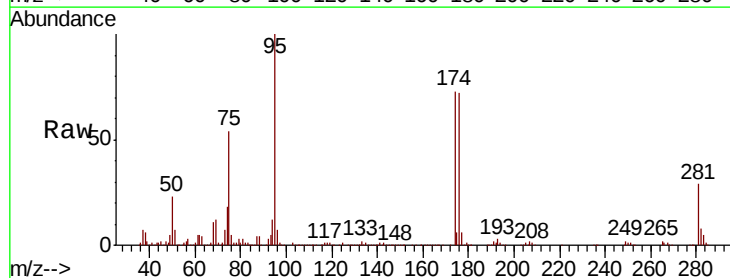
Acq: 27 Aug 2019 16:27

Tgt Ion: 75 Resp: 86682

Ion Ratio Lower Upper

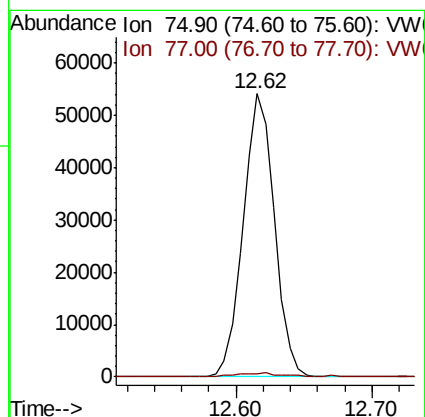
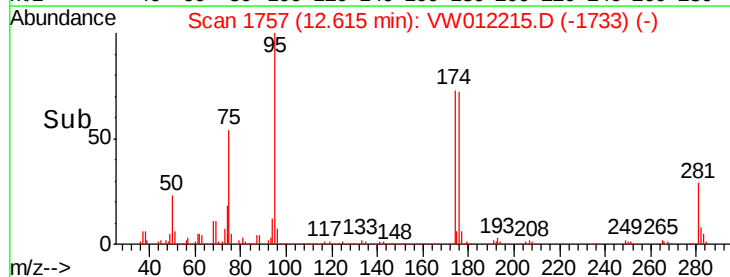
75 100

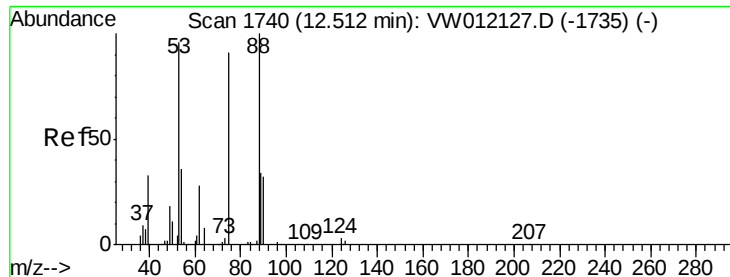
77 1.7 0.0 0.0#



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: 140.647 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012215.D

Acq: 27 Aug 2019 16:27

Instrument :

MSVOA_W

ClientSampleId :

PX-14

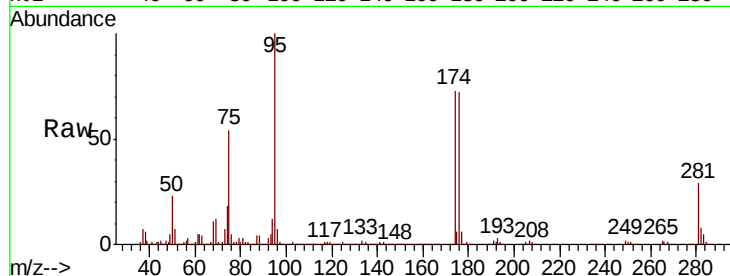
Tgt Ion: 75 Resp: 86682

Ion Ratio Lower Upper

75 100

53 0.0 89.4 134.0#

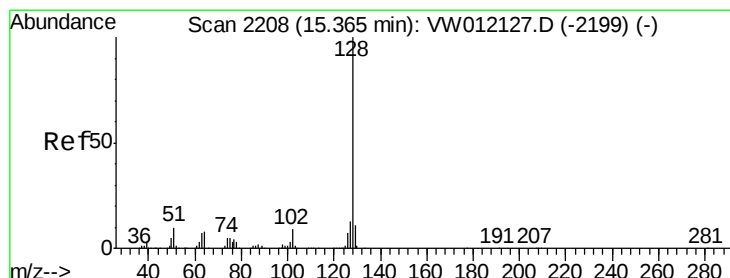
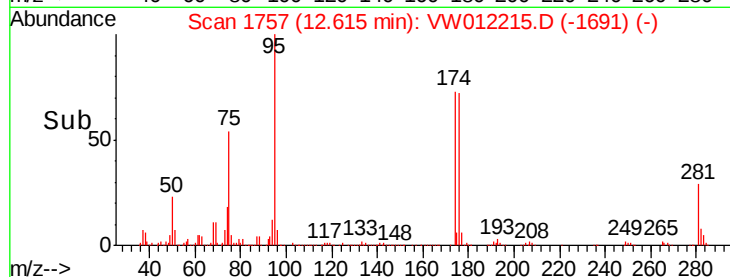
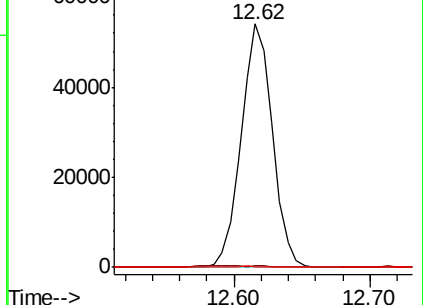
89 0.6 34.5 51.7#



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: 4.407 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012215.D

Acq: 27 Aug 2019 16:27

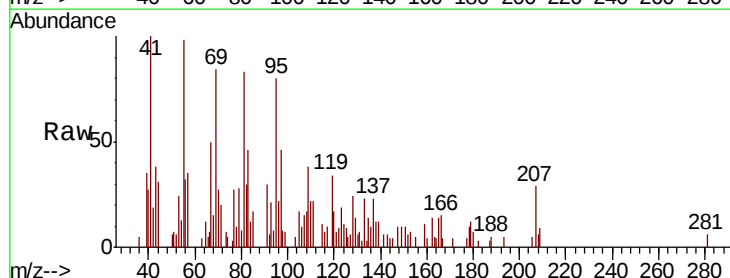
Tgt Ion: 128 Resp: 491

Ion Ratio Lower Upper

128 100

127 47.0 10.7 16.1#

129 21.2 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

