

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082719\
 Data File : VW012205.D
 Acq On : 27 Aug 2019 11:58
 Operator : SY/VA
 Sample : K4521-01
 Misc : 4.26G/5ML/MSVOA_W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PX-04

Quant Time: Aug 28 04:55:34 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	241746	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	399935	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	325538	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	145520	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	143328	49.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.74%	
35) Dibromofluoromethane	7.88	113	117073	49.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.08%	
50) Toluene-d8	10.32	98	490647	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
62) 4-Bromofluorobenzene	12.62	95	293964	86.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	172.32%	

Target Compounds

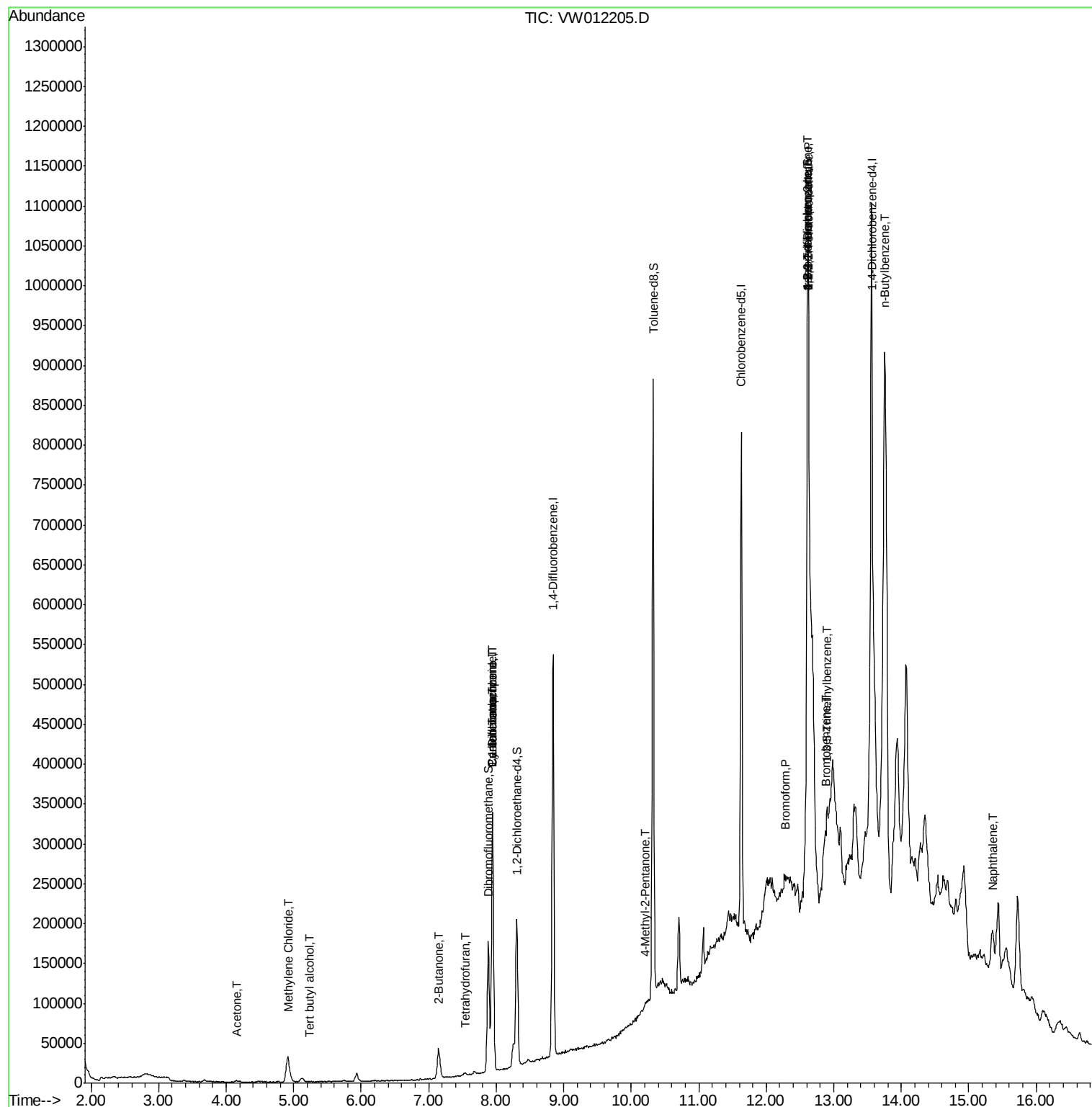
						Qvalue
11) Tert butyl alcohol	5.24	59	256	1.480	ug/l #	17
16) Acetone	4.16	43	3659	4.981	ug/l	93
20) Methylene Chloride	4.91	84	24967	8.990	ug/l	96
25) 2-Butanone	7.15	43	3147	3.153	ug/l #	83
29) Tetrahydrofuran	7.54	42	2799	4.674	ug/l #	75
31) Cyclohexane	7.95	56	6397	1.236	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	20907	5.059	ug/l #	53
38) Carbon Tetrachloride	7.95	117	24371	6.813	ug/l #	17
51) 4-Methyl-2-Pentanone	10.21	43	2346	1.099	ug/l	92
71) Bromoform	12.29	173	1187	1.065	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.63	83	160278	80.178	ug/l #	26
76) 1,2,3-Trichloropropane	12.62	75	82066	57.905	ug/l #	100
77) Bromobenzene	12.88	156	54166	22.962	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.90	105	26174	2.873	ug/l	67
81) trans-1,4-Dichloro-2-buten	12.62	75	82066	126.958	ug/l #	26
89) n-Butylbenzene	13.76	91	24715	2.517	ug/l #	50
95) Naphthalene	15.36	128	2744	4.778	ug/l #	89

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW082719\
Data File : VW012205.D
Acq On : 27 Aug 2019 11:58
Operator : SY/VA
Sample : K4521-01
Misc : 4.26G/5ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PX-04

Quant Time: Aug 28 04:55:34 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 2019
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: VW012205.D

Acq: 27 Aug 2019 11:58

Instrument :

MSVOA_W

ClientSampled :

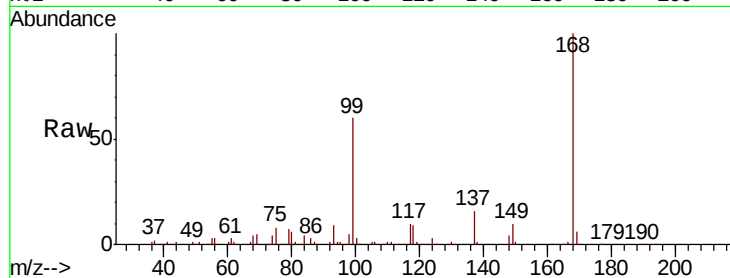
PX-04

Tgt Ion:168 Resp: 241746

Ion Ratio Lower Upper

168 100

99 60.5 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

120000

100000

80000

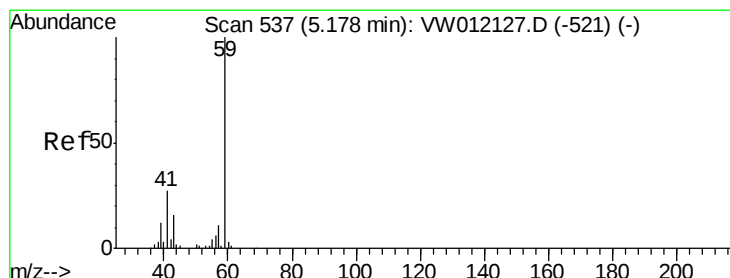
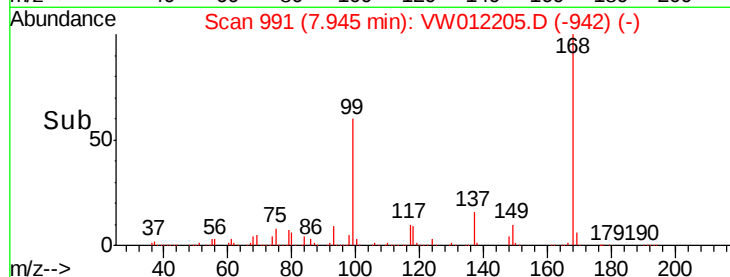
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 1.480 ug/l

RT: 5.24 min Scan# 547

Delta R.T. 0.06 min

Lab File: VW012205.D

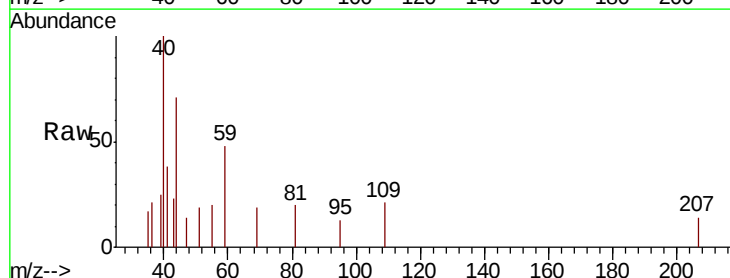
Acq: 27 Aug 2019 11:58

Tgt Ion: 59 Resp: 256

Ion Ratio Lower Upper

59 100

57 43.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

250

200

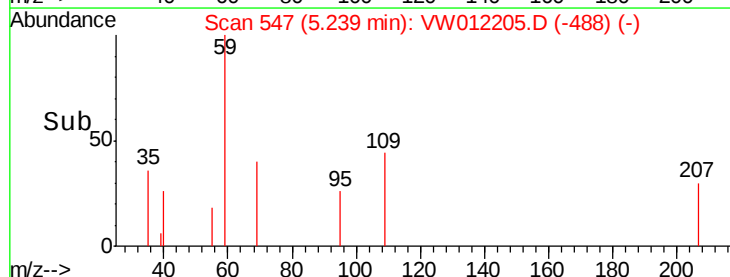
150

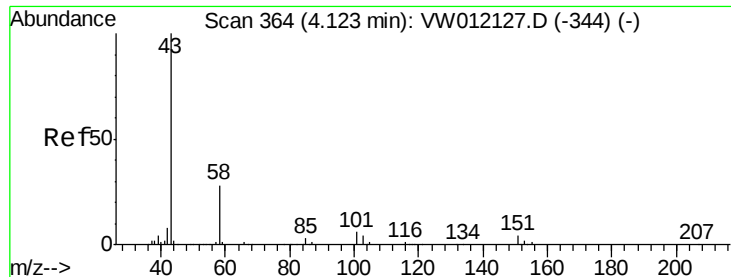
100

50

0

Time--> 5.20 5.25





#16

Acetone

Concen: 4.981 ug/l

RT: 4.16 min Scan# 370

Delta R.T. 0.04 min

Lab File: VW012205.D

Acq: 27 Aug 2019 11:58

Instrument :

MSVOA_W

ClientSampled :

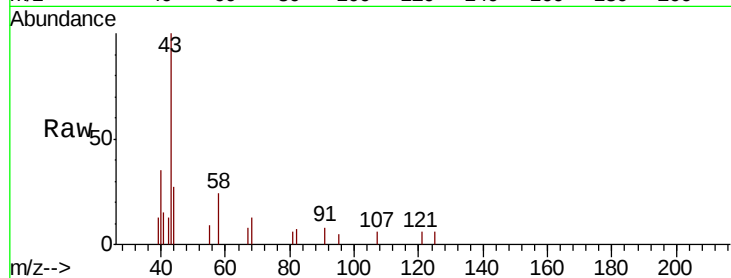
PX-04

Tgt Ion: 43 Resp: 3659

Ion Ratio Lower Upper

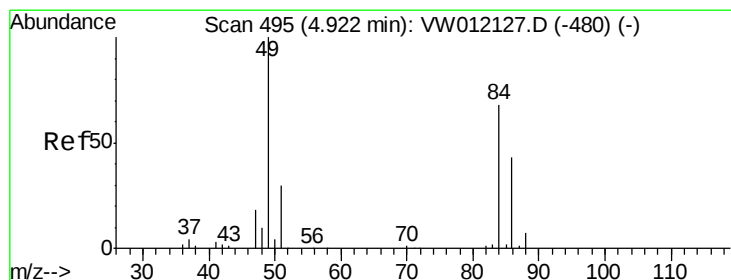
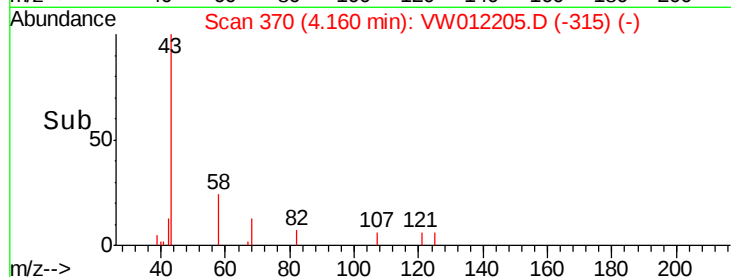
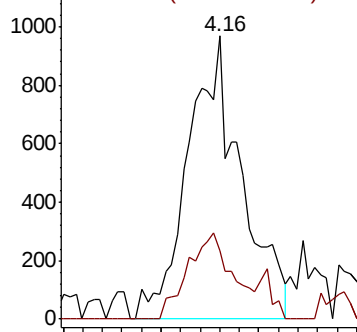
43 100

58 24.1 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 8.990 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW012205.D

Acq: 27 Aug 2019 11:58

Tgt Ion: 84 Resp: 24967

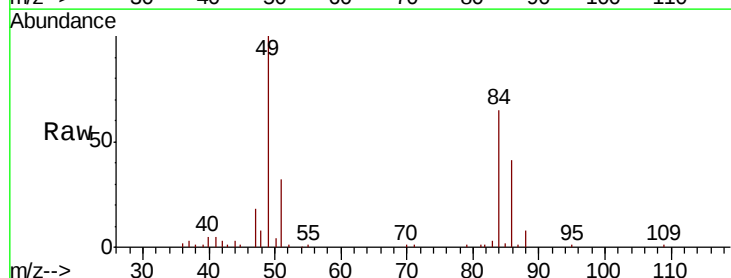
Ion Ratio Lower Upper

84 100

49 153.0 117.8 176.8

51 48.7 35.6 53.4

86 62.5 51.2 76.8

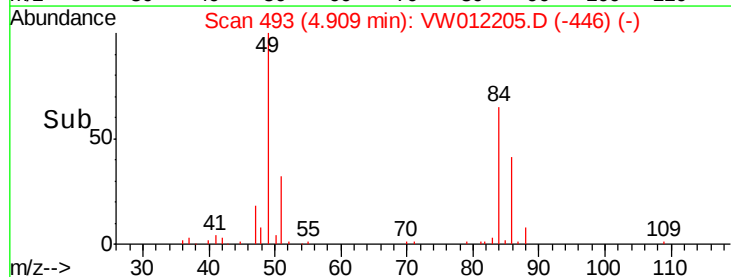
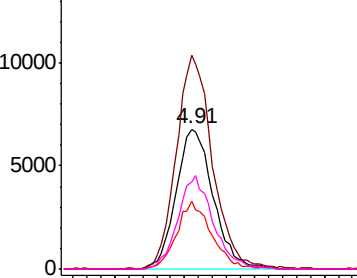


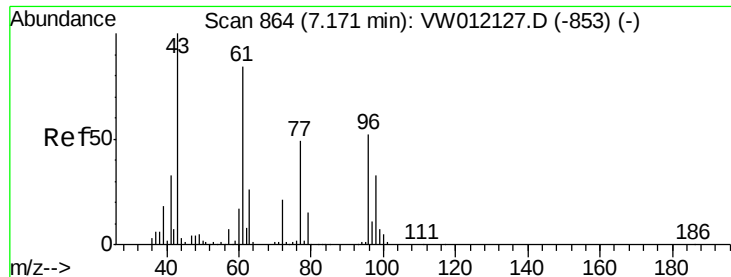
Abundance Ion 83.90 (83.60 to 84.60): VW

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





#25

2-Butanone

Concen: 3.153 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.02 min

Lab File: VW012205.D

Acq: 27 Aug 2019 11:58

Instrument :

MSVOA_W

ClientSampled :

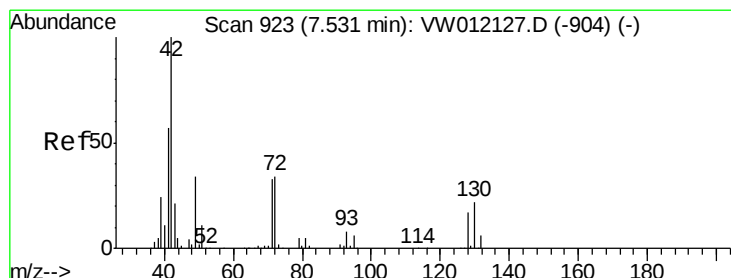
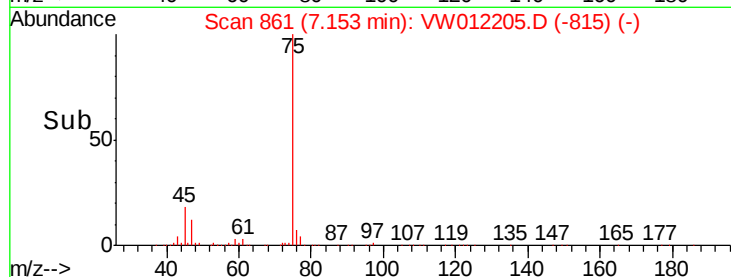
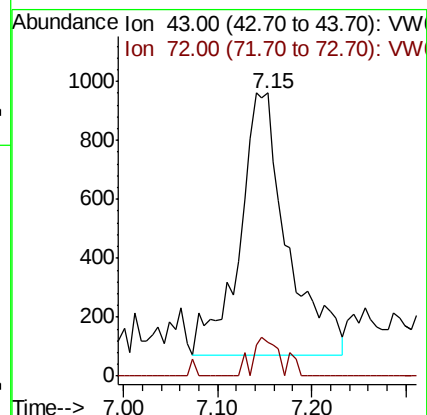
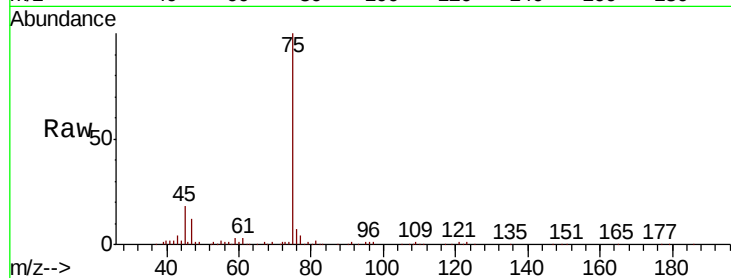
PX-04

Tgt Ion: 43 Resp: 3147

Ion Ratio Lower Upper

43 100

72 12.8 16.6 24.8#



#29

Tetrahydrofuran

Concen: 4.674 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW012205.D

Acq: 27 Aug 2019 11:58

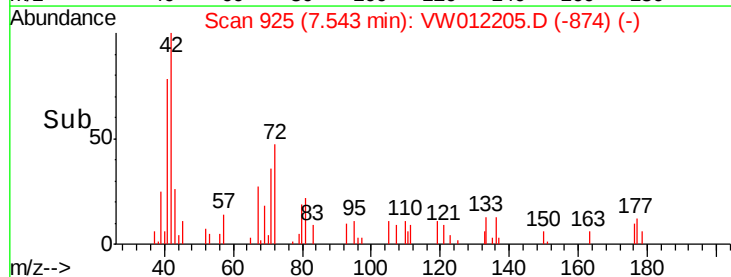
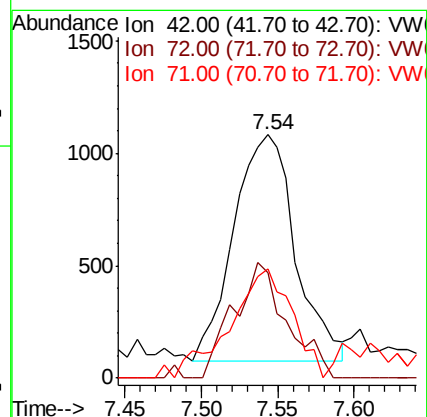
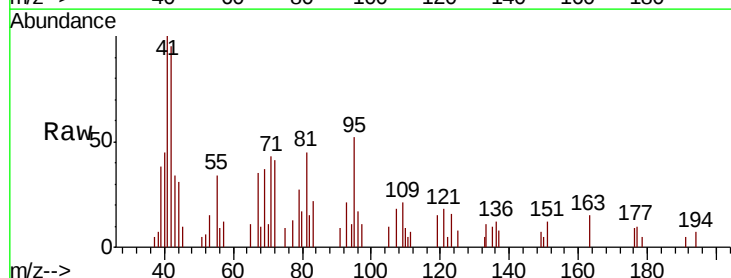
Tgt Ion: 42 Resp: 2799

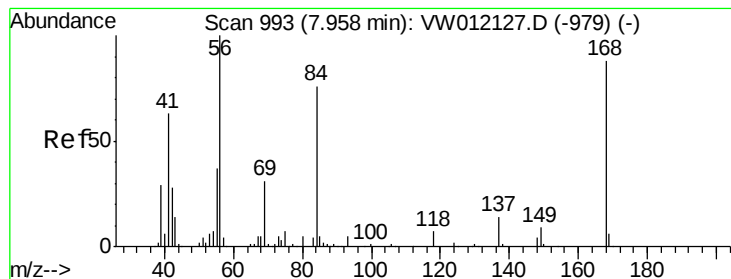
Ion Ratio Lower Upper

42 100

72 44.5 27.3 40.9#

71 49.5 25.5 38.3#





#31

Cyclohexane

Concen: 1.236 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012205.D

Acq: 27 Aug 2019 11:58

Instrument :

MSVOA_W

ClientSampled :

PX-04

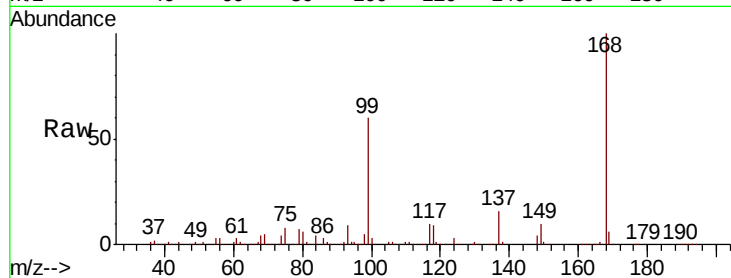
Tgt Ion: 56 Resp: 6397

Ion Ratio Lower Upper

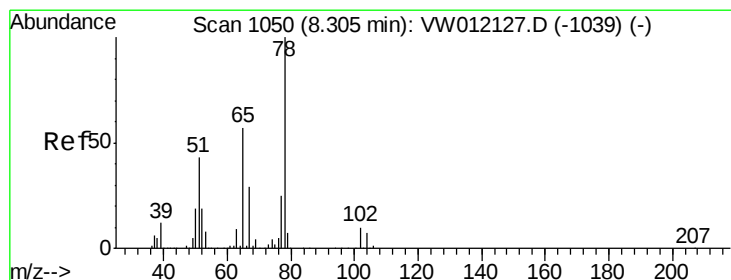
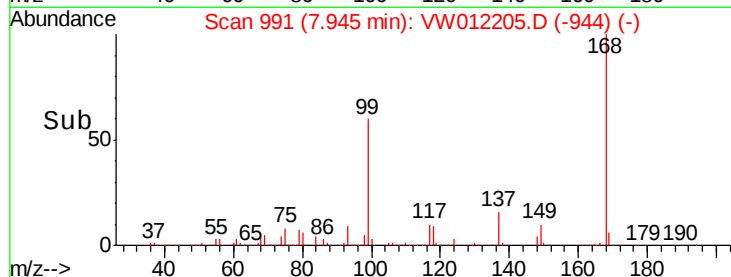
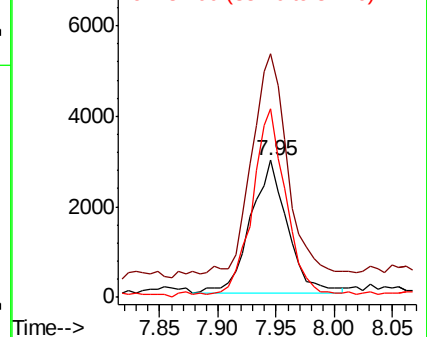
56 100

69 164.8 24.9 37.3#

84 140.0 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: 49.875 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012205.D

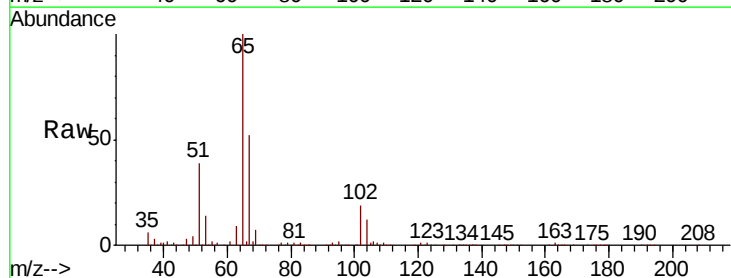
Acq: 27 Aug 2019 11:58

Tgt Ion: 65 Resp: 143328

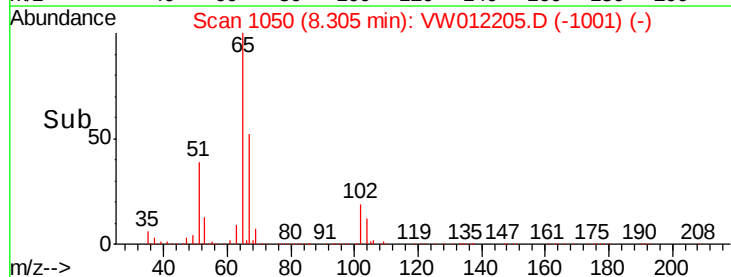
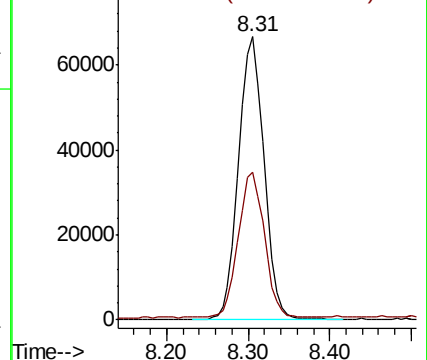
Ion Ratio Lower Upper

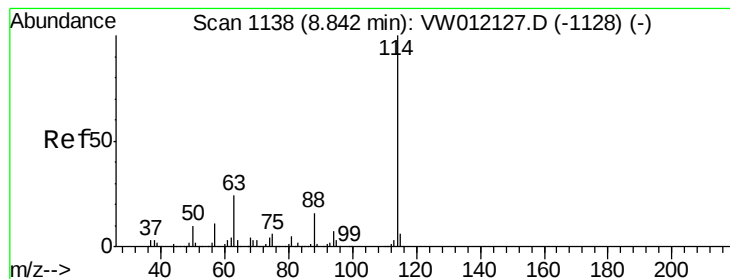
65 100

67 52.4 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: VW012205.D

Acq: 27 Aug 2019 11:58

Instrument :

MSVOA_W

ClientSampled :

PX-04

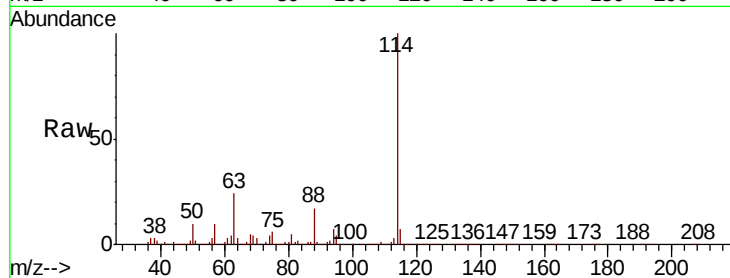
Tgt Ion:114 Resp: 399935

Ion Ratio Lower Upper

114 100

63 24.3 0.0 48.6

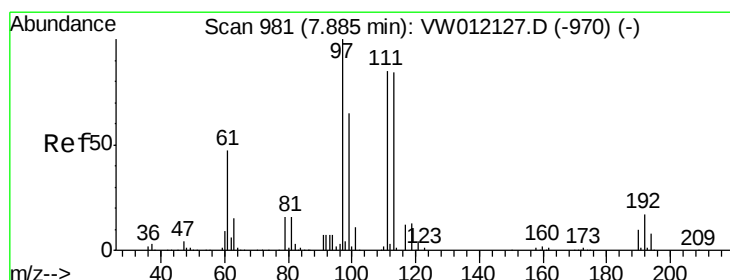
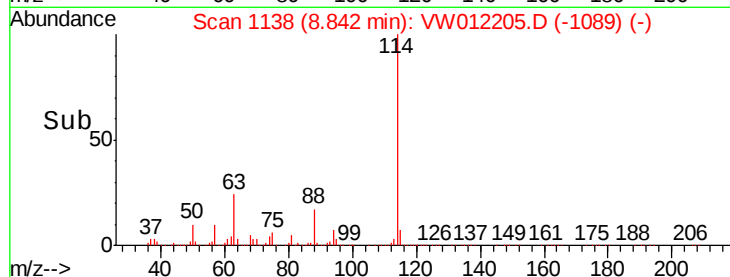
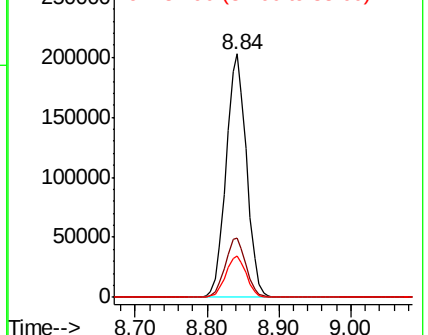
88 17.2 0.0 32.2



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: 49.041 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012205.D

Acq: 27 Aug 2019 11:58

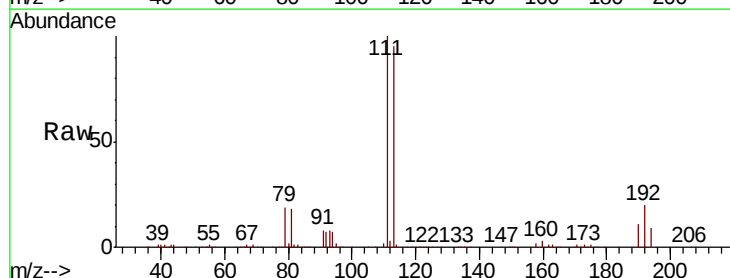
Tgt Ion:113 Resp: 117073

Ion Ratio Lower Upper

113 100

111 105.3 82.7 124.1

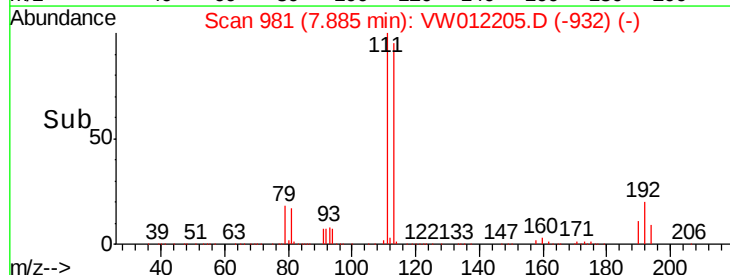
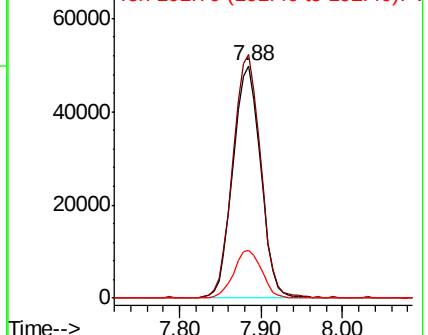
192 20.8 16.2 24.2

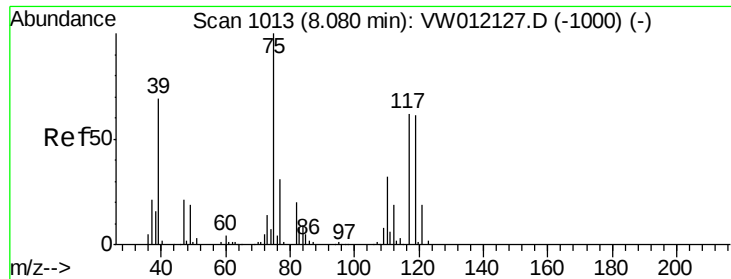


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

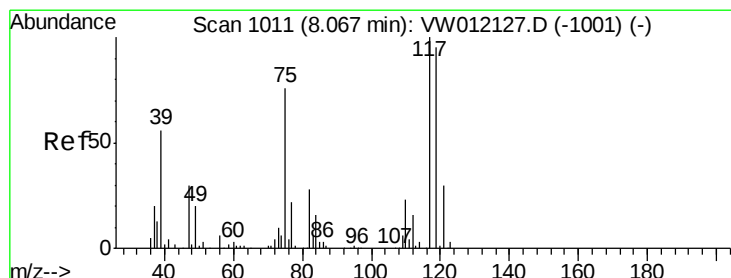
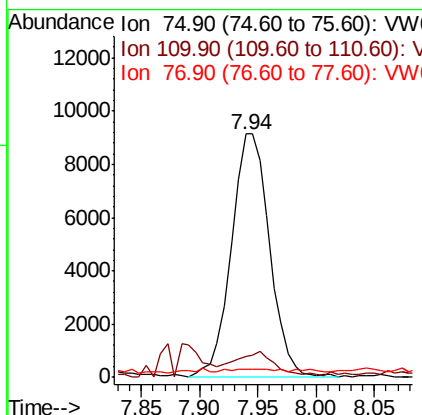
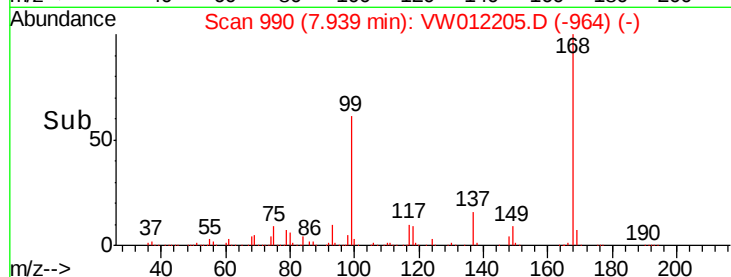
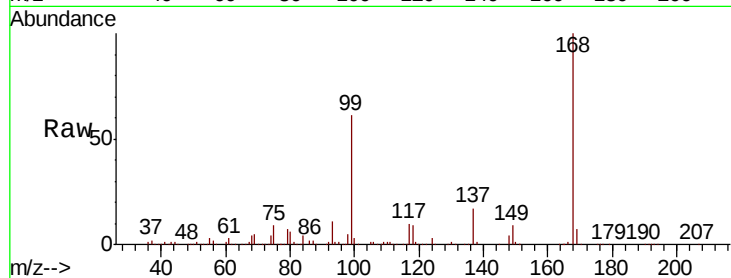




#36
 1,1-Dichloropropene
 Concen: 5.059 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012205.D
 Acq: 27 Aug 2019 11:58

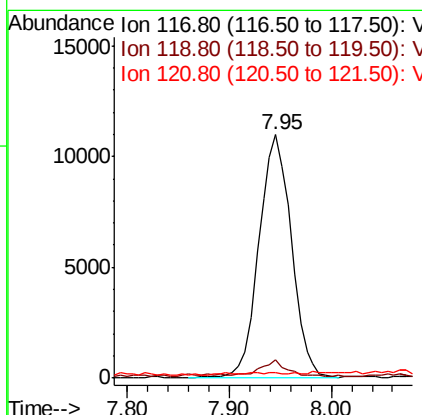
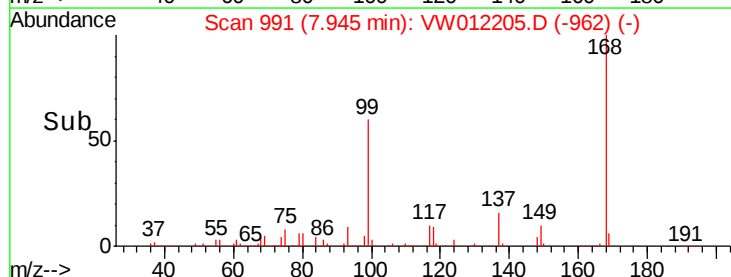
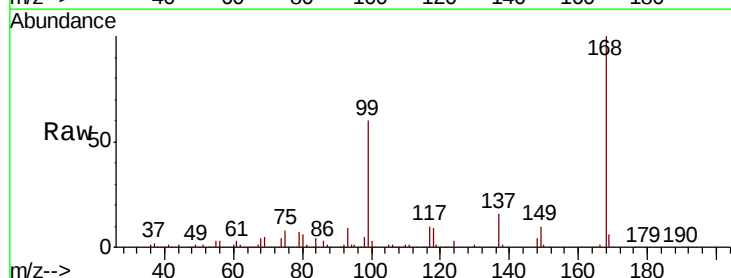
Instrument :
 MSVOA_W
 ClientSampleId :
 PX-04

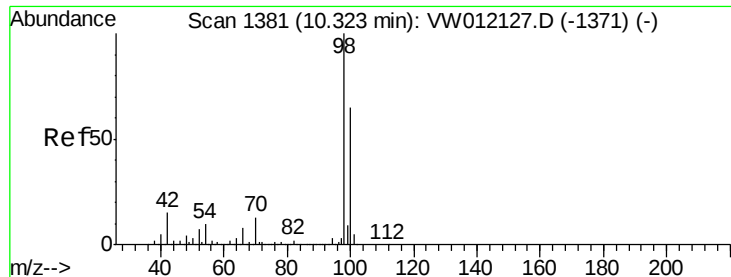
Tgt Ion: 75 Resp: 20907
 Ion Ratio Lower Upper
 75 100
 110 10.2 15.6 46.8#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.813 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012205.D
 Acq: 27 Aug 2019 11:58

Tgt Ion: 117 Resp: 24371
 Ion Ratio Lower Upper
 117 100
 119 6.3 76.2 114.2#
 121 0.5 23.8 35.8#





#50

Toluene-d8

Concen: 50.689 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012205.D

Acq: 27 Aug 2019 11:58

Instrument :

MSVOA_W

ClientSampled :

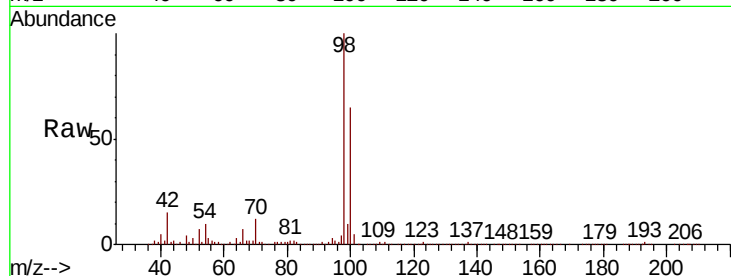
PX-04

Tgt Ion: 98 Resp: 490647

Ion Ratio Lower Upper

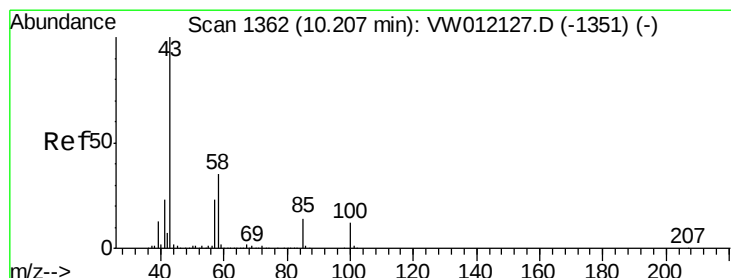
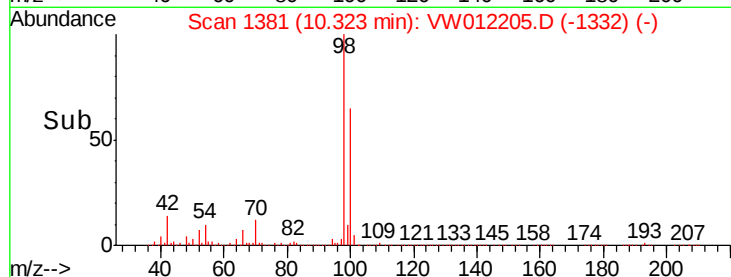
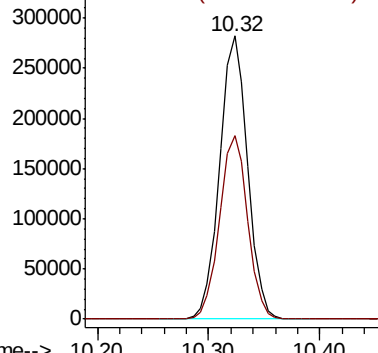
98 100

100 65.6 52.4 78.6



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: 1.099 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW012205.D

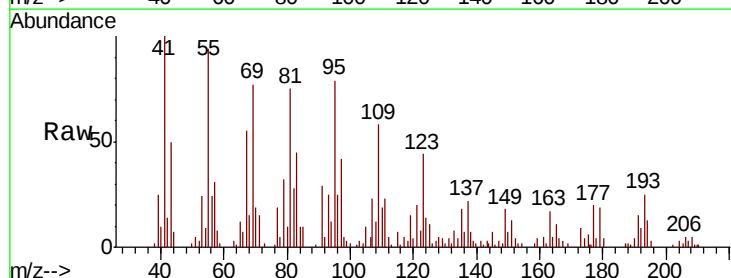
Acq: 27 Aug 2019 11:58

Tgt Ion: 43 Resp: 2346

Ion Ratio Lower Upper

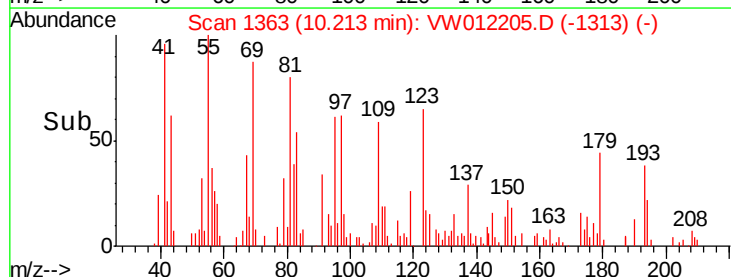
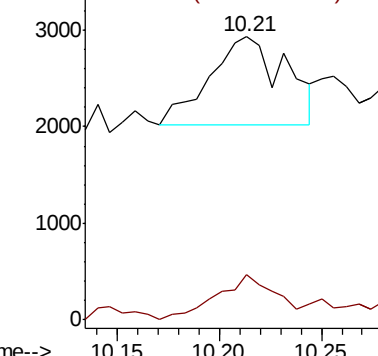
43 100

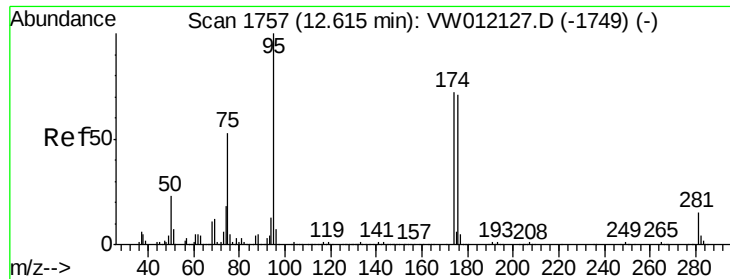
58 40.1 28.2 42.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

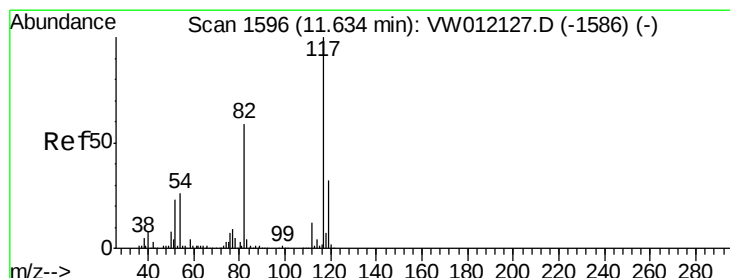
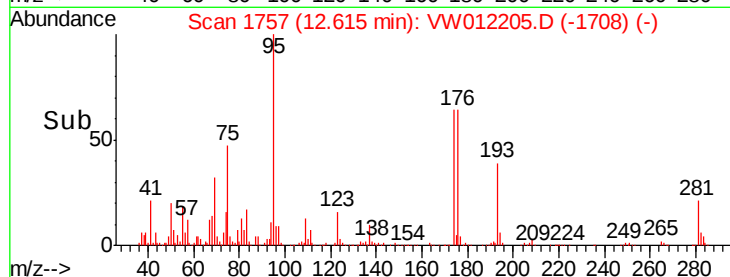
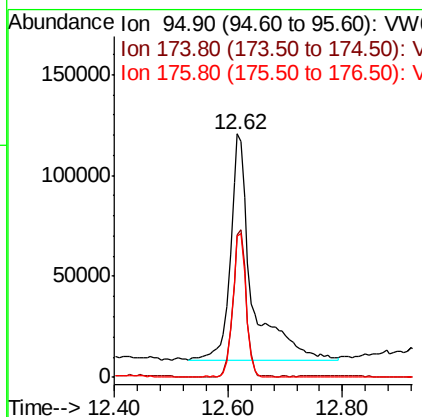
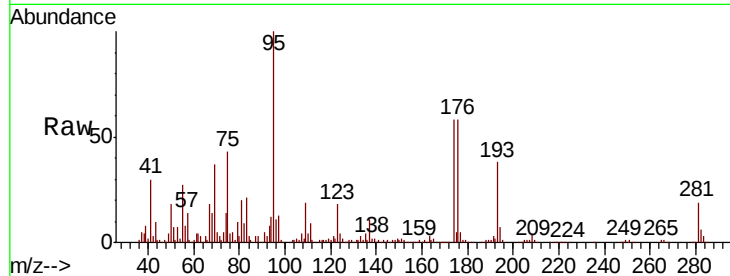




#62
4-Bromofluorobenzene
Concen: 86.156 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012205.D
Acq: 27 Aug 2019 11:58

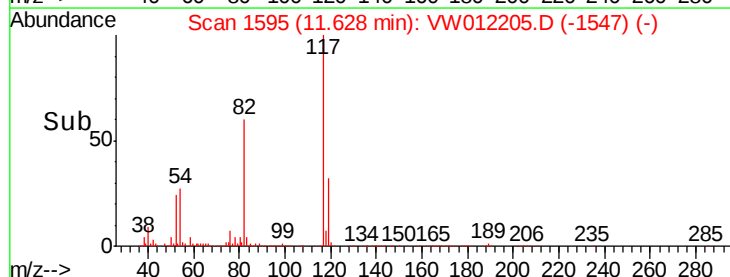
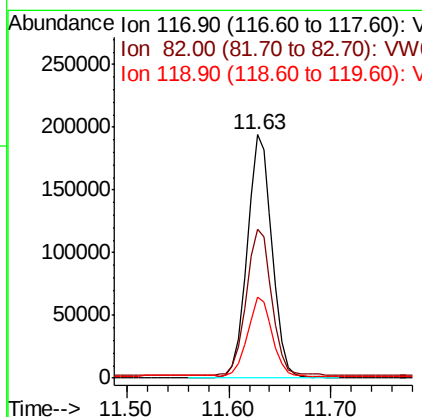
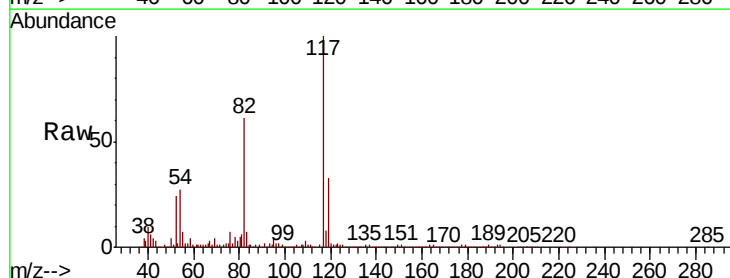
Instrument :
MSVOA_W
ClientSampleId :
PX-04

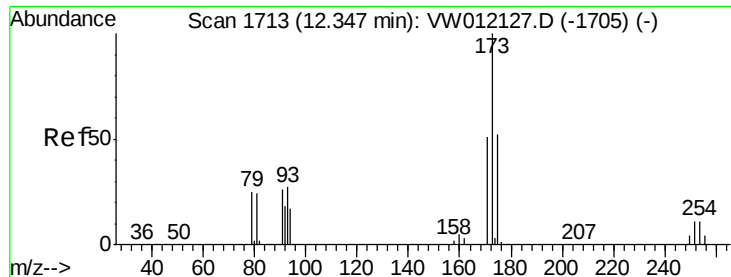
Tgt Ion	Ratio	Lower	Upper
95	100		
174	40.1	0.0	150.8
176	39.5	0.0	148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012205.D
Acq: 27 Aug 2019 11:58

Tgt Ion	Ratio	Lower	Upper
117	100		
82	60.1	47.4	71.2
119	32.3	25.4	38.2





#71

Bromoform

Concen: 1.065 ug/l

RT: 12.29 min Scan# 1703

Delta R.T. -0.06 min

Lab File: VW012205.D

Acq: 27 Aug 2019 11:58

Instrument :

MSVOA_W

ClientSampled :

PX-04

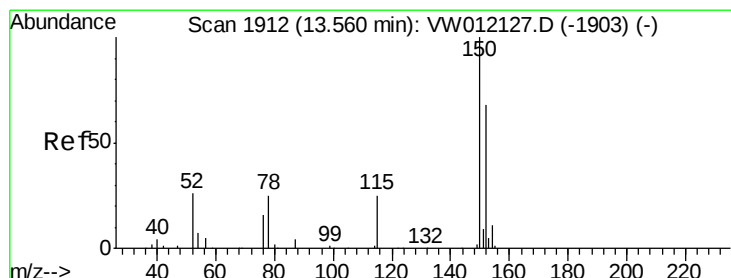
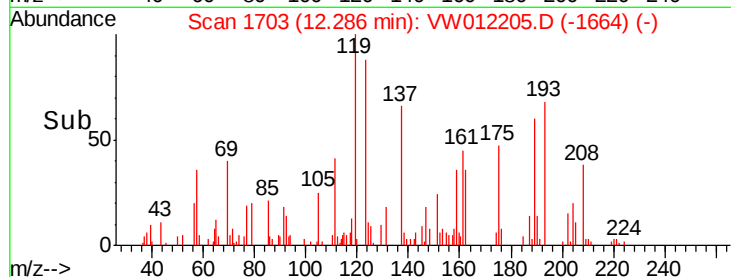
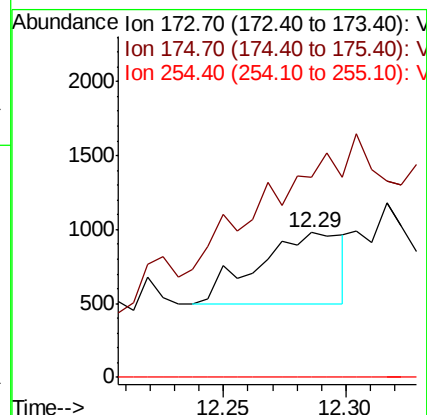
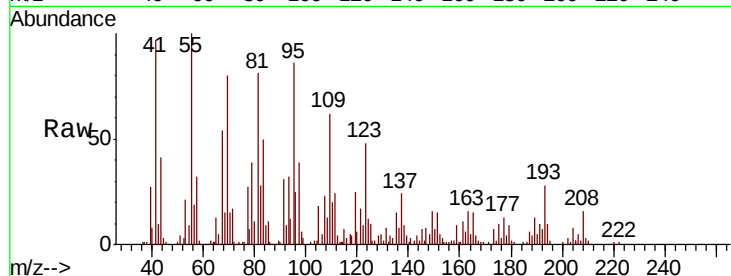
Tgt Ion:173 Resp: 1187

Ion Ratio Lower Upper

173 100

175 257.7 24.6 74.0#

254 0.0 0.2 0.2#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012205.D

Acq: 27 Aug 2019 11:58

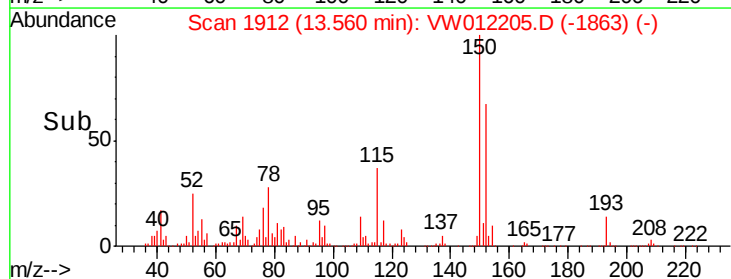
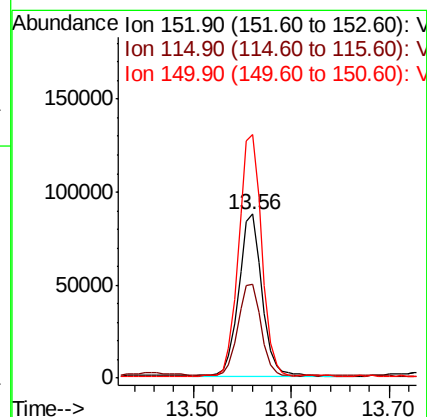
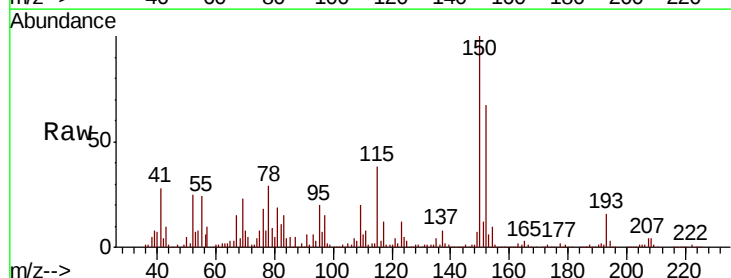
Tgt Ion:152 Resp: 145520

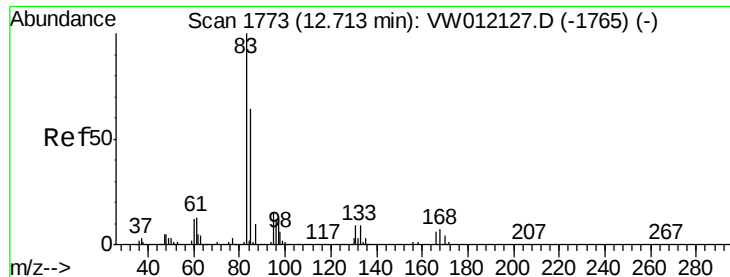
Ion Ratio Lower Upper

152 100

115 55.3 30.1 90.3

150 145.6 0.0 345.8





#75

1,1,2,2-Tetrachloroethane

Concen: 80.178 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. -0.09 min

Lab File: VW012205.D

Acq: 27 Aug 2019 11:58

Instrument :

MSVOA_W

ClientSampleId :

PX-04

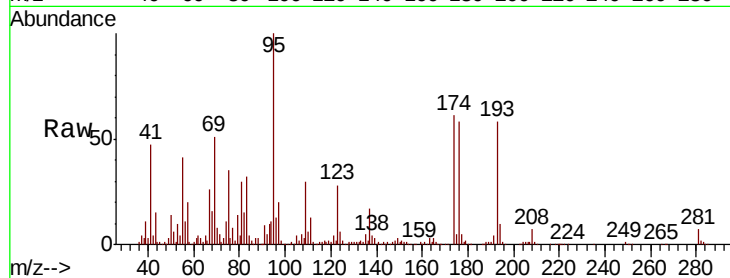
Tgt Ion: 83 Resp: 160278

Ion Ratio Lower Upper

83 100

131 0.2 4.9 14.7#

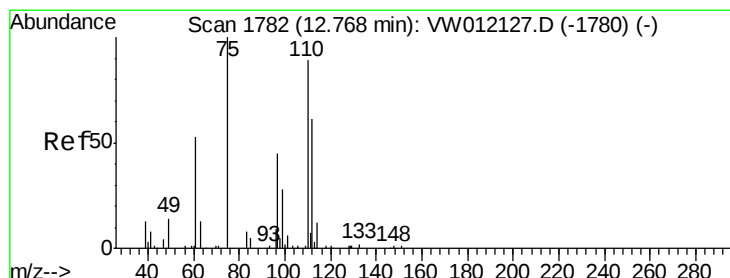
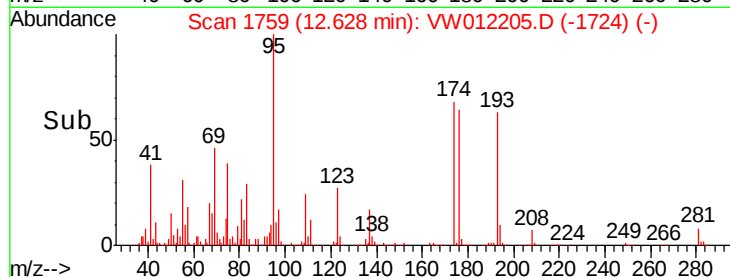
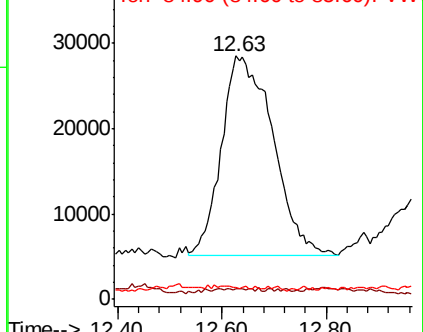
85 0.1 31.9 95.7#



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 57.905 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012205.D

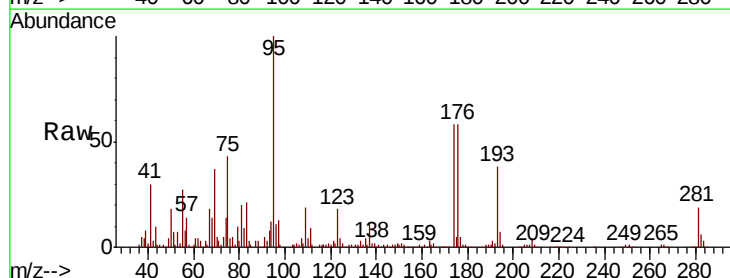
Acq: 27 Aug 2019 11:58

Tgt Ion: 75 Resp: 82066

Ion Ratio Lower Upper

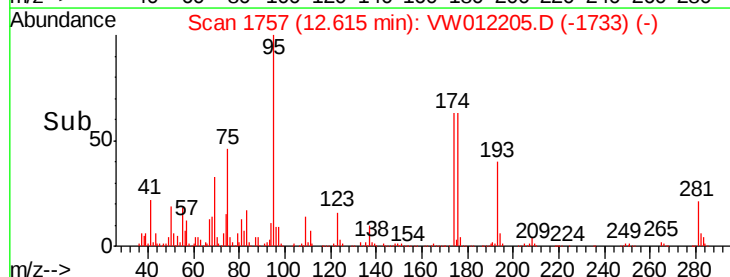
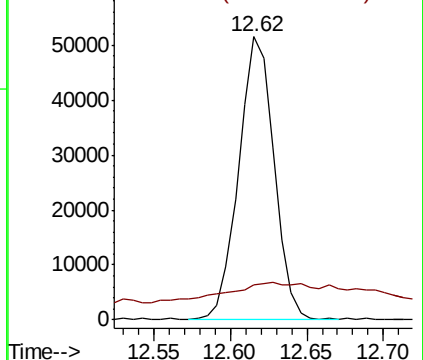
75 100

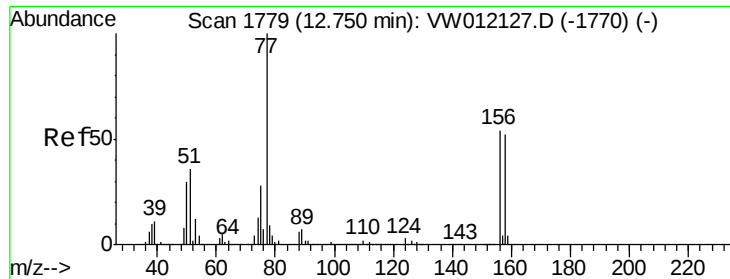
77 20.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 22.962 ug/l

RT: 12.88 min Scan# 1800

Delta R.T. 0.13 min

Lab File: VW012205.D

Acq: 27 Aug 2019 11:58

Instrument :

MSVOA_W

ClientSampleId :

PX-04

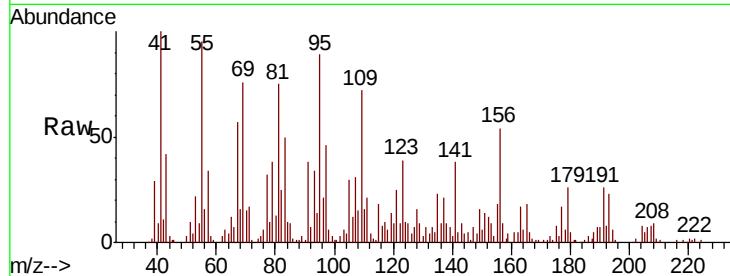
Tgt Ion:156 Resp: 54166

Ion Ratio Lower Upper

156 100

77 0.0 107.3 321.8#

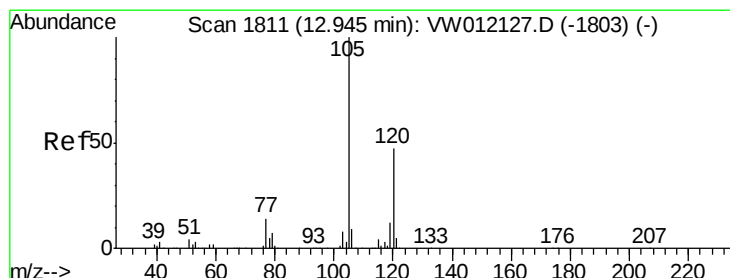
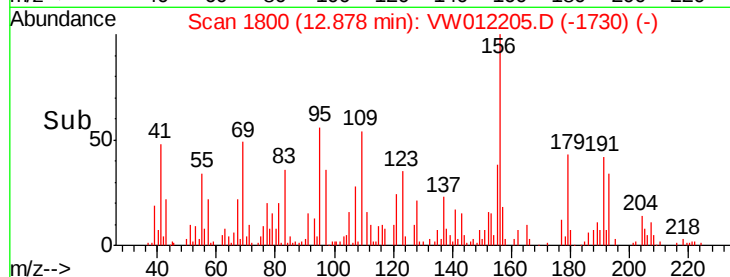
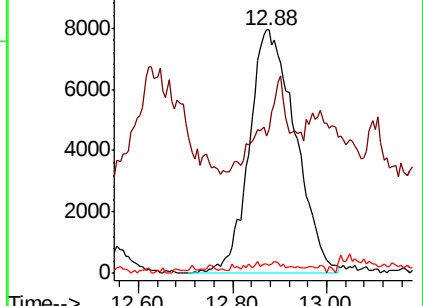
158 0.0 49.0 147.0#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#80

1,3,5-Trimethylbenzene

Concen: 2.873 ug/l

RT: 12.90 min Scan# 1804

Delta R.T. -0.04 min

Lab File: VW012205.D

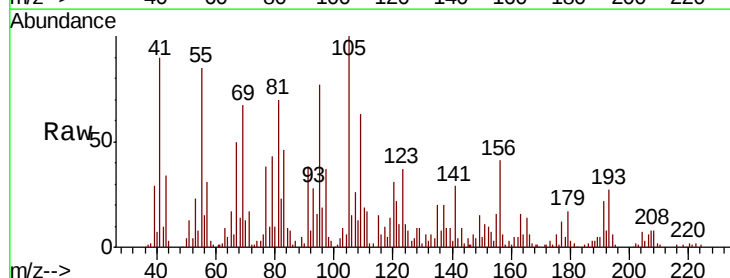
Acq: 27 Aug 2019 11:58

Tgt Ion:105 Resp: 26174

Ion Ratio Lower Upper

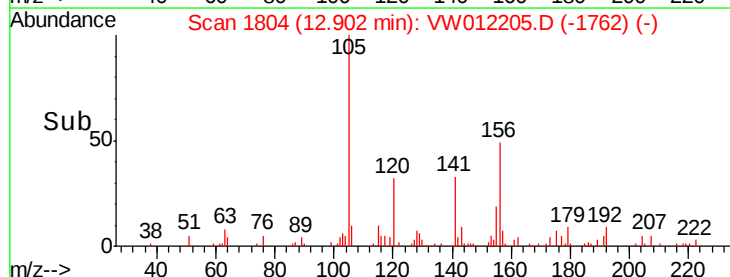
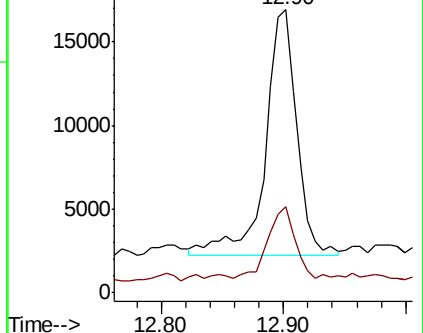
105 100

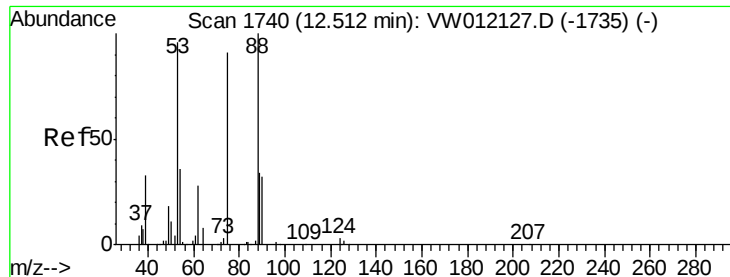
120 25.8 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 126.958 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012205.D

Acq: 27 Aug 2019 11:58

Instrument :

MSVOA_W

ClientSampleId :

PX-04

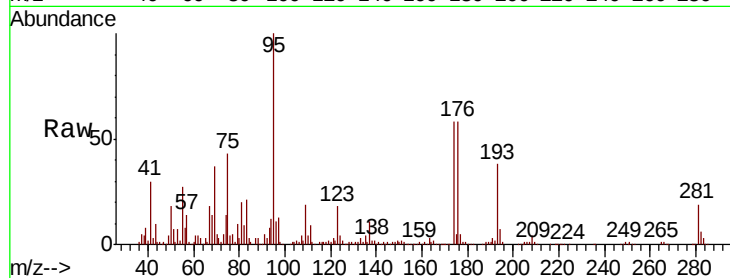
Tgt Ion: 75 Resp: 82066

Ion Ratio Lower Upper

75 100

53 29.8 89.4 134.0#

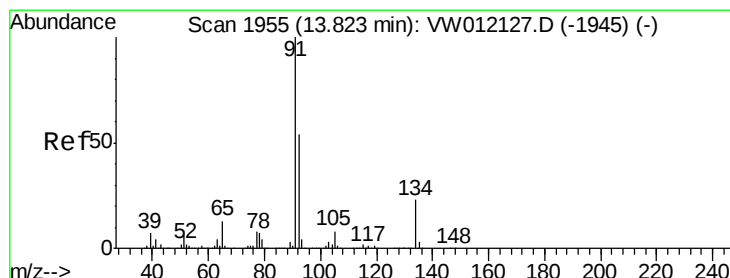
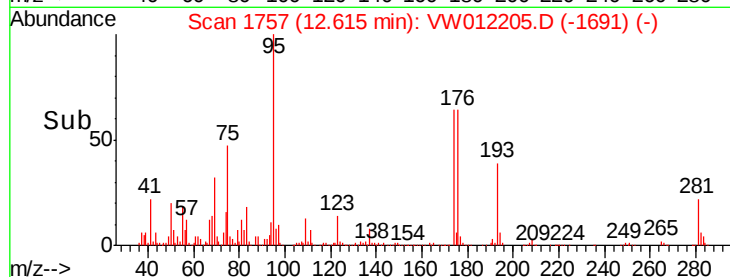
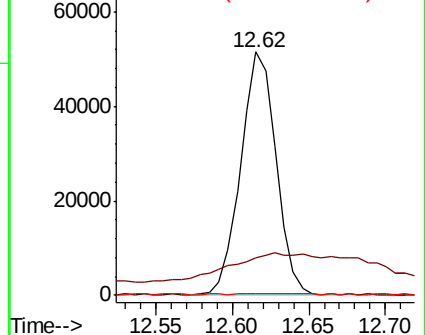
89 0.9 34.5 51.7#



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



#89

n-Butylbenzene

Concen: 2.517 ug/l

RT: 13.76 min Scan# 1944

Delta R.T. -0.07 min

Lab File: VW012205.D

Acq: 27 Aug 2019 11:58

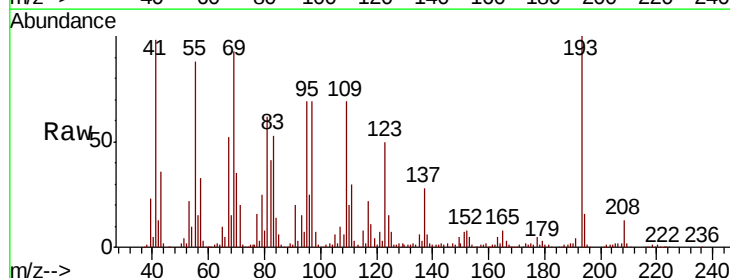
Tgt Ion: 91 Resp: 24715

Ion Ratio Lower Upper

91 100

92 17.6 27.1 81.2#

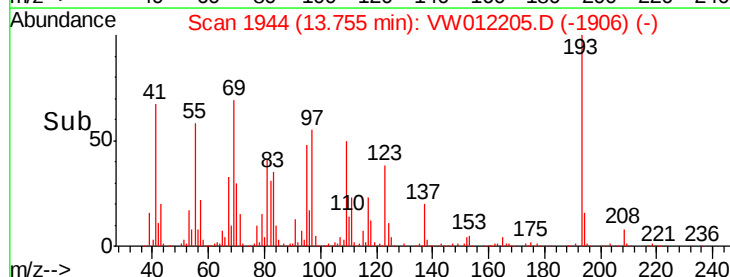
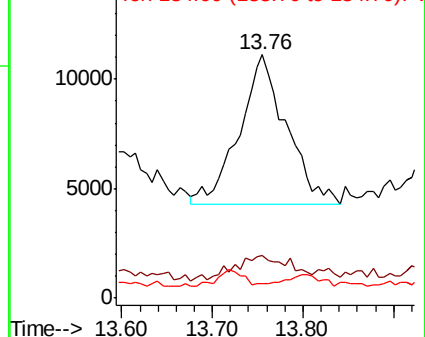
134 0.0 12.2 36.4#

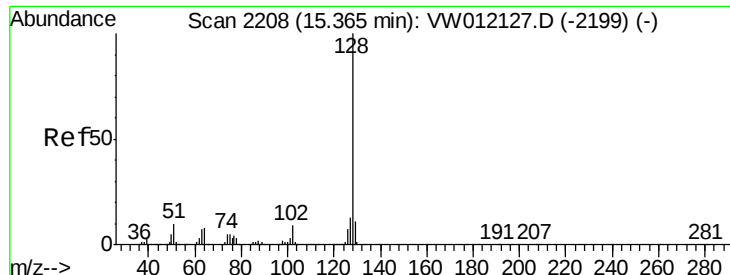


Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V





#95
Naphthalene
Concen: 4.778 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012205.D
Acq: 27 Aug 2019 11:58

Instrument :
MSVOA_W
ClientSampleId :
PX-04

Tgt Ion:128 Resp: 2744
Ion Ratio Lower Upper
128 100
127 5.7 10.7 16.1#
129 10.8 8.7 13.1

