

Data File : VW013429.D
Acq On : 03 Oct 2019 18:45
Operator : SY/VA
Sample : K5205-01
Misc : 5.27G/5ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Quant Time: Oct 04 08:30:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 02 11:49:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	339570	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	507041	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	413601	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	180978	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	139837	55.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.30%	
35) Dibromofluoromethane	7.88	113	141270	53.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.20%	
50) Toluene-d8	10.32	98	579655	52.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.00%	
62) 4-Bromofluorobenzene	12.62	95	181401	49.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.40%	

Target Compounds

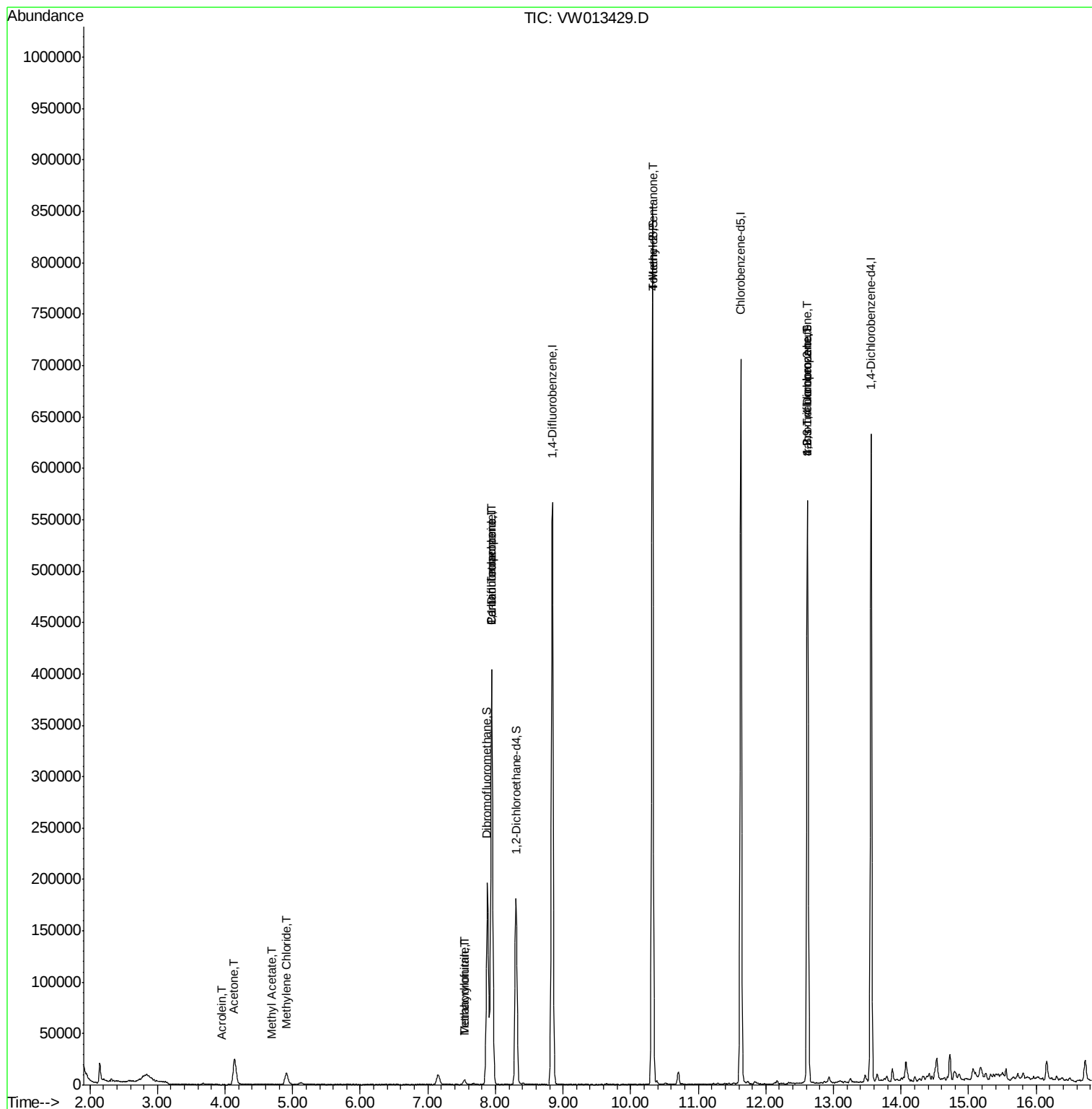
						Qvalue
11) Tert butyl alcohol	5.12	59	1757	Below Cal	#	73
13) Acrolein	3.96	56	19	10.648	ug/l #	15
16) Acetone	4.14	43	52142	67.092	ug/l	95
18) Methyl Acetate	4.69	43	2252	1.238	ug/l #	68
20) Methylene Chloride	4.91	84	9403	1.149	ug/l #	85
26) 2,2-Dichloropropane	7.15	77	816	Below Cal	#	52
29) Tetrahydrofuran	7.54	42	4278	16.803	ug/l	96
36) 1,1-Dichloropropene	7.95	75	21111	4.483	ug/l #	48
38) Carbon Tetrachloride	7.95	117	29036	7.117	ug/l #	17
41) Methacrylonitrile	7.54	41	2218	1.770	ug/l #	47
51) 4-Methyl-2-Pentanone	10.32	43	2646	1.287	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	84397	52.470	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	84397	106.405	ug/l #	12

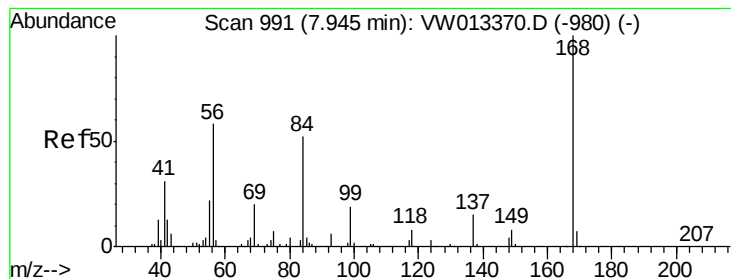
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW013429.D

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Instrument :

MSVOA_W

ClientSampleId :

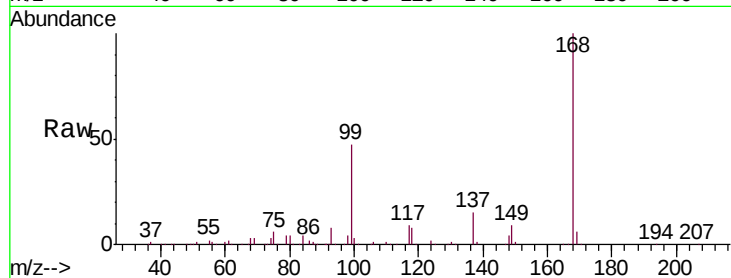
VSTDCCC050EC

Tgt Ion: 168 Resp: 339570

Ion Ratio Lower Upper

168 100

99 47.3 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

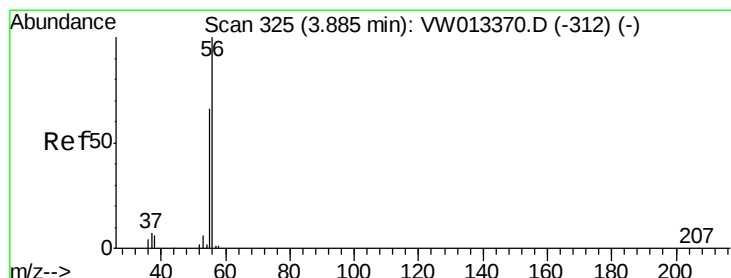
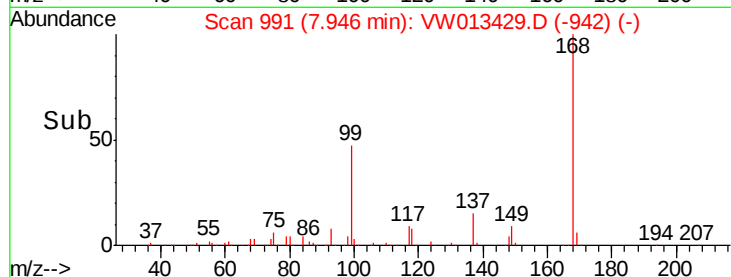
100000

50000

0

Time-->

7.80 7.90 8.00 8.10



#13

Acrolein

Concen: 10.648 ug/l

RT: 3.96 min Scan# 338

Delta R.T. 0.08 min

Lab File: VW013429.D

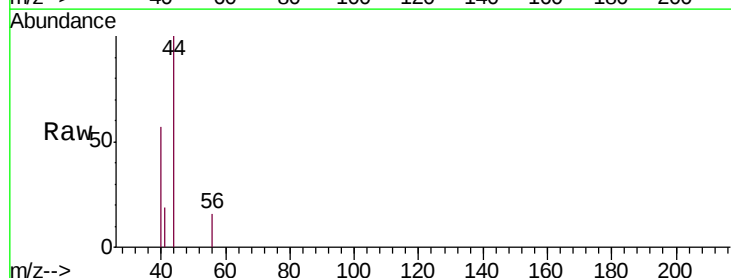
Acq: 03 Oct 2019 18:45

Tgt Ion: 56 Resp: 19

Ion Ratio Lower Upper

56 100

55 0.0 55.4 83.0#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

3.96

60

50

40

30

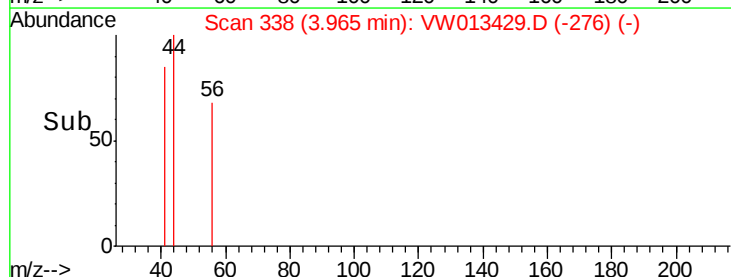
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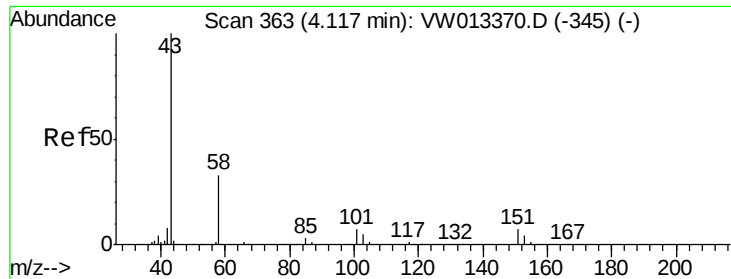
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0

Time-->

3.95 3.96 3.97 3.98





#16

Acetone

Concen: 67.092 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW013429.D

Acq: 03 Oct 2019 18:45

Instrument :

MSVOA_W

ClientSampleId :

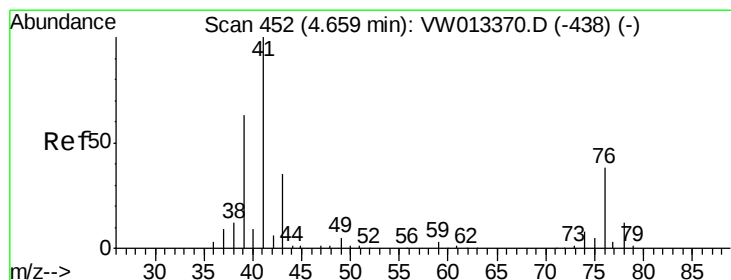
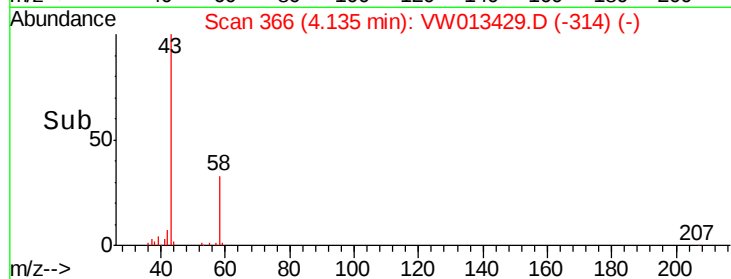
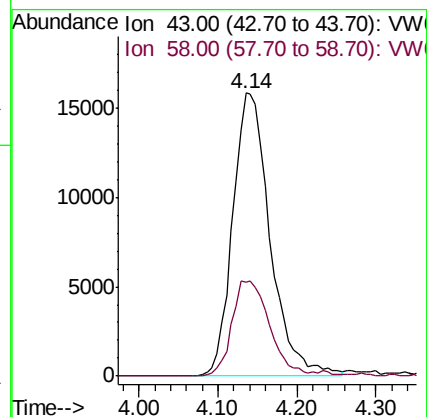
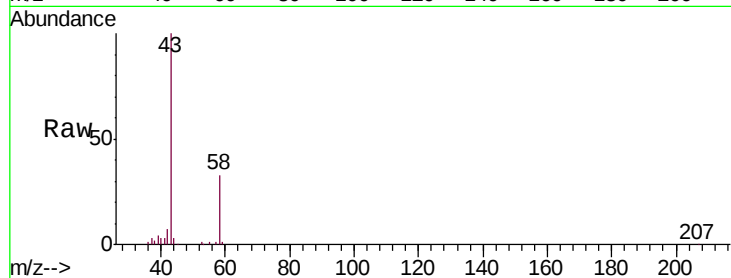
VSTDCCC050EC

Tgt Ion: 43 Resp: 52142

Ion Ratio Lower Upper

43 100

58 33.1 24.1 36.1



#18

Methyl Acetate

Concen: 1.238 ug/l

RT: 4.69 min Scan# 457

Delta R.T. 0.03 min

Lab File: VW013429.D

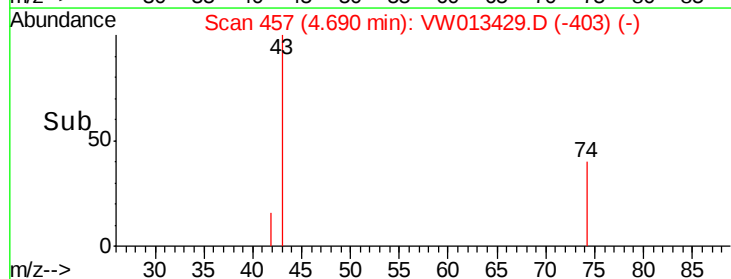
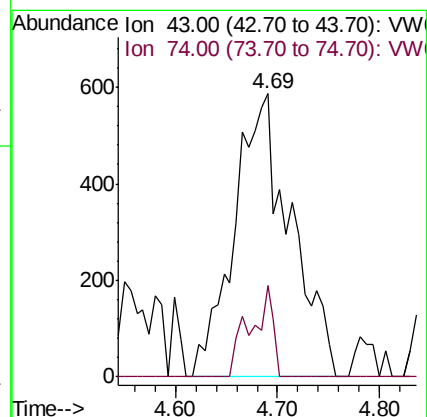
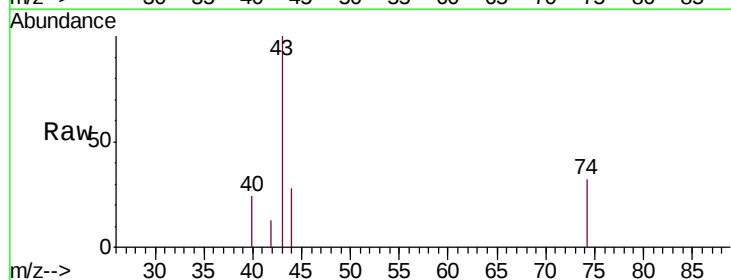
Acq: 03 Oct 2019 18:45

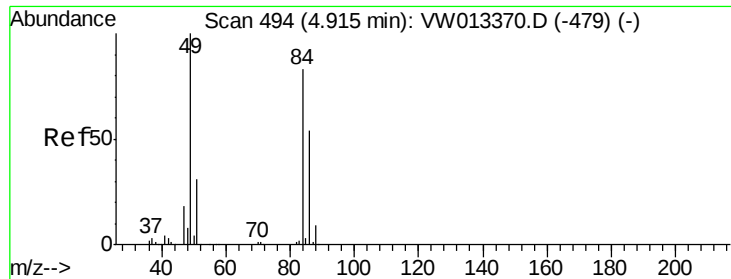
Tgt Ion: 43 Resp: 2252

Ion Ratio Lower Upper

43 100

74 8.3 19.3 28.9#

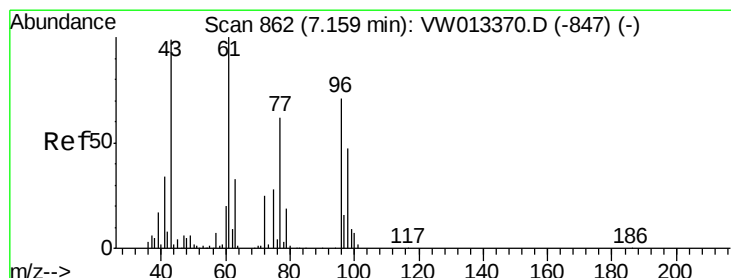
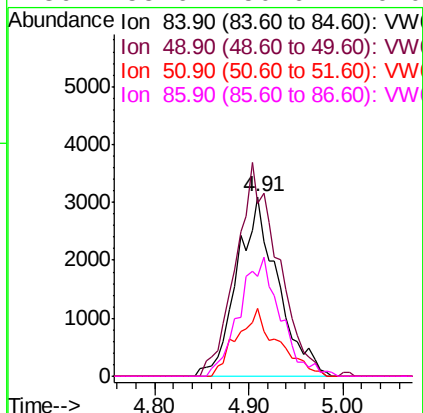
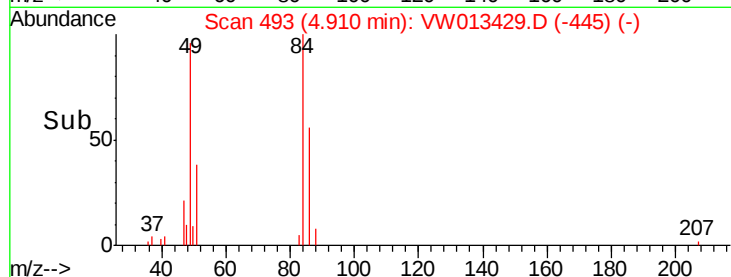
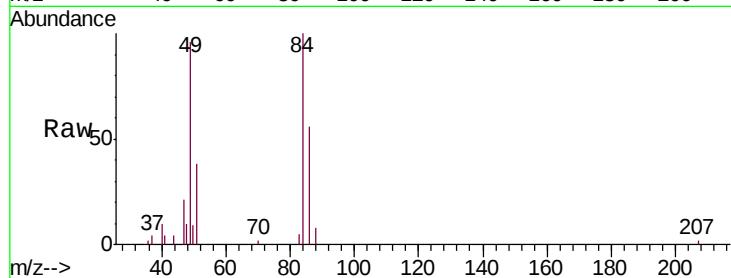




#20
Methylene Chloride
Concen: 1.149 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW013429.D
Acq: 03 Oct 2019 18:45

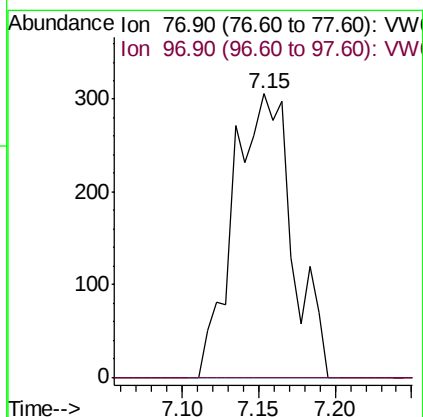
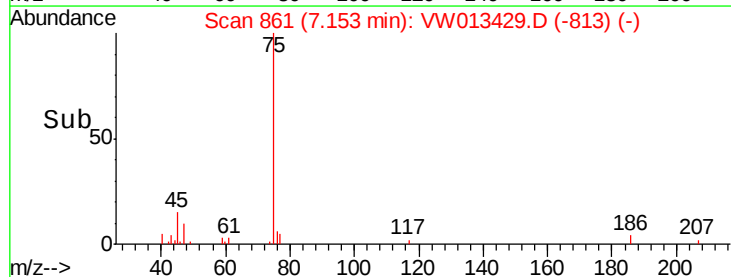
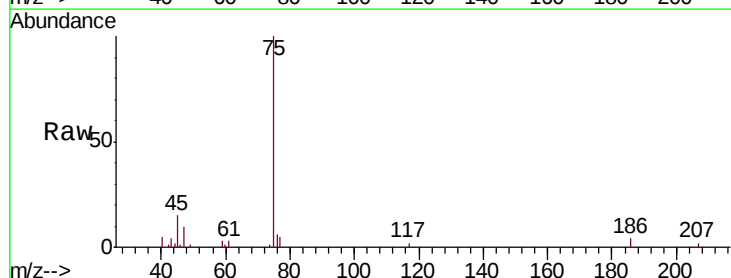
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

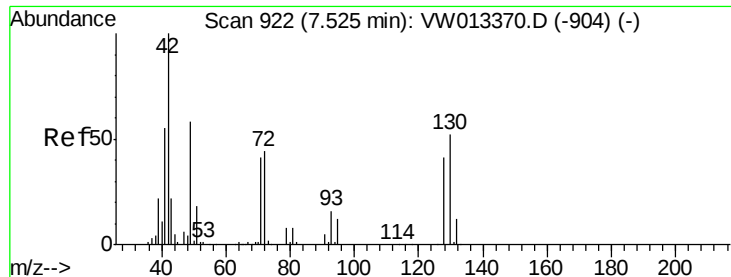
Tgt Ion: 84 Resp: 9403
Ion Ratio Lower Upper
84 100
49 96.4 97.6 146.4#
51 38.1 30.2 45.2
86 55.6 50.6 76.0



#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.15 min Scan# 861
Delta R.T. -0.01 min
Lab File: VW013429.D
Acq: 03 Oct 2019 18:45

Tgt Ion: 77 Resp: 816
Ion Ratio Lower Upper
77 100
97 0.0 11.8 35.4#





#29

Tetrahydrofuran

Concen: 16.803 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.02 min

Lab File: VW013429.D

Acq: 03 Oct 2019 18:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

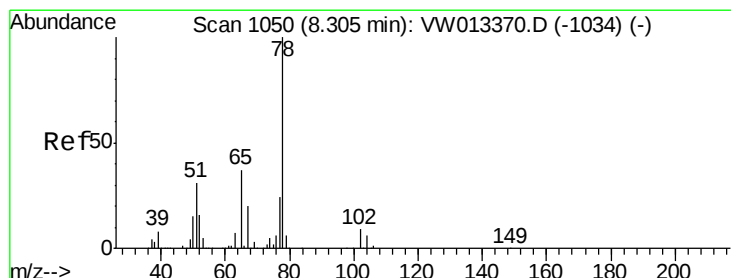
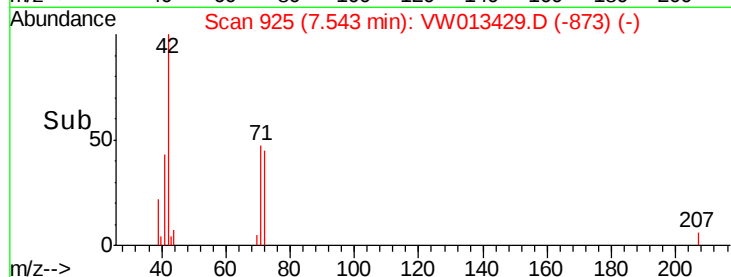
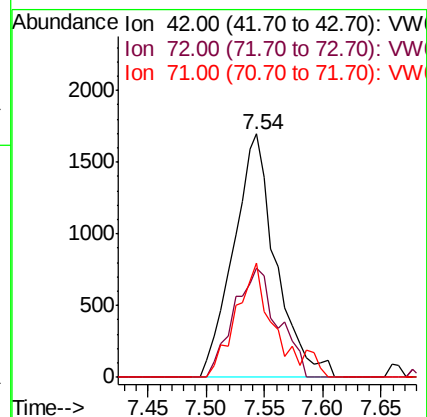
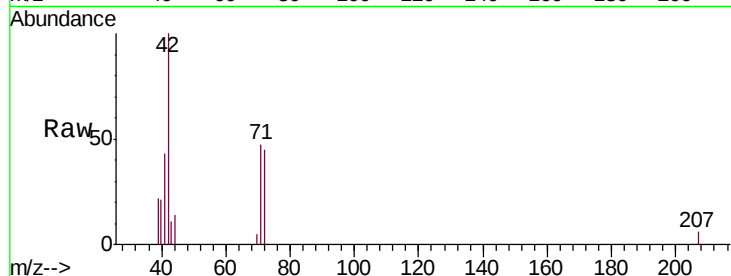
Tgt Ion: 42 Resp: 4278

Ion Ratio Lower Upper

42 100

72 46.7 33.9 50.9

71 39.8 31.9 47.9



#33

1,2-Dichloroethane-d4

Concen: 55.152 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW013429.D

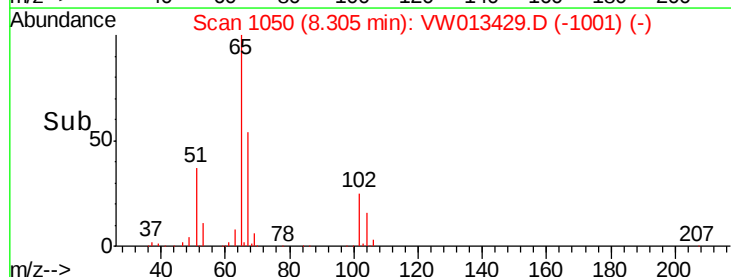
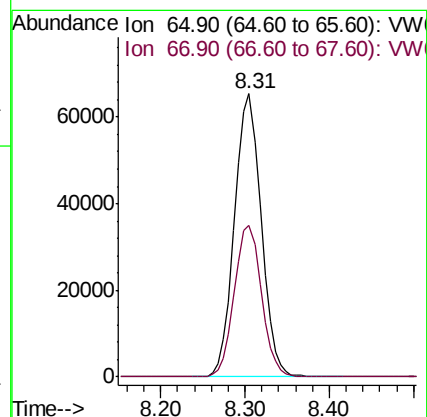
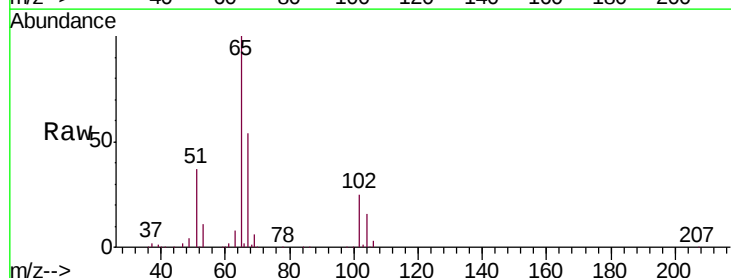
Acq: 03 Oct 2019 18:45

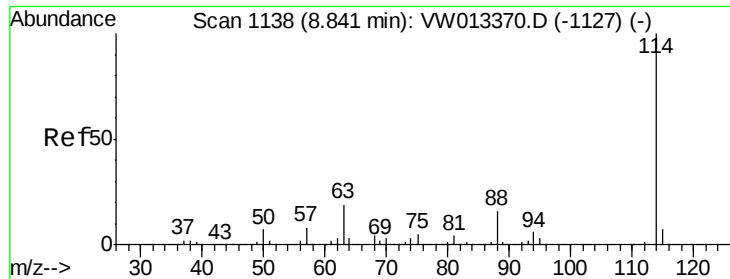
Tgt Ion: 65 Resp: 139837

Ion Ratio Lower Upper

65 100

67 54.5 0.0 106.2

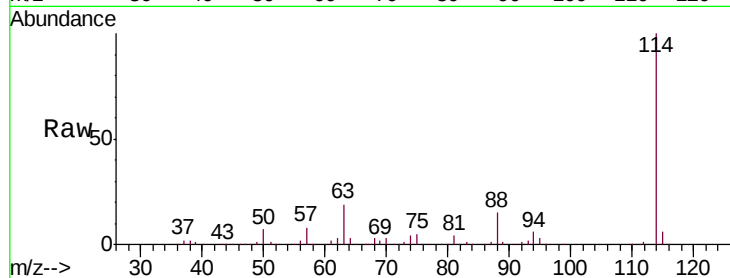




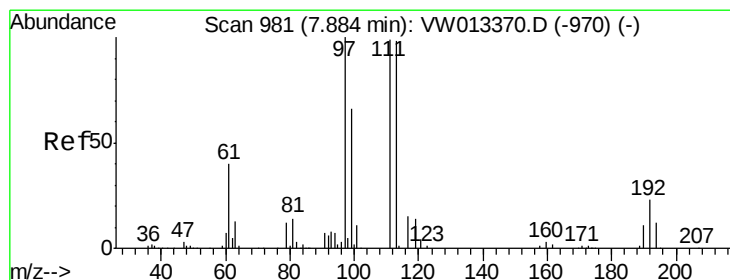
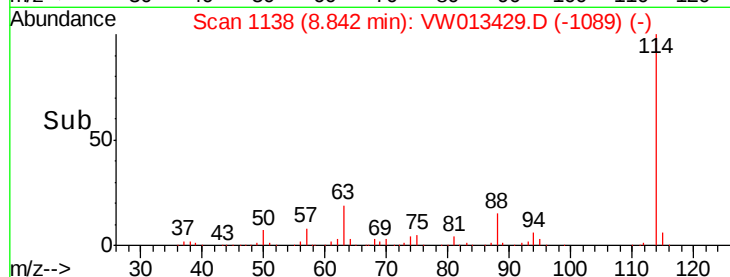
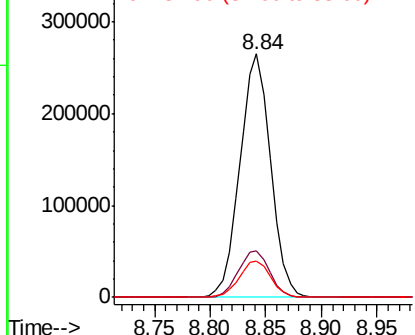
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013429.D
 Acq: 03 Oct 2019 18:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:114 Resp: 507041
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 41.4
 88 14.7 0.0 32.0

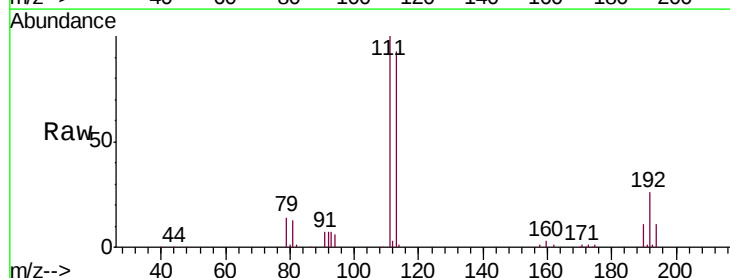


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

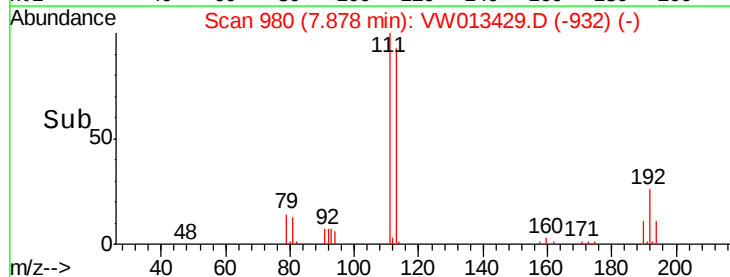
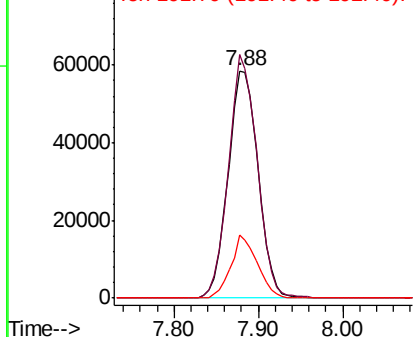


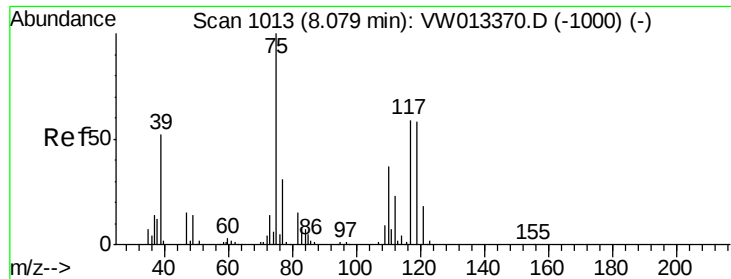
#35
 Dibromofluoromethane
 Concen: 53.098 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW013429.D
 Acq: 03 Oct 2019 18:45

Tgt Ion:113 Resp: 141270
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.9 122.9
 192 24.5 19.1 28.7



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

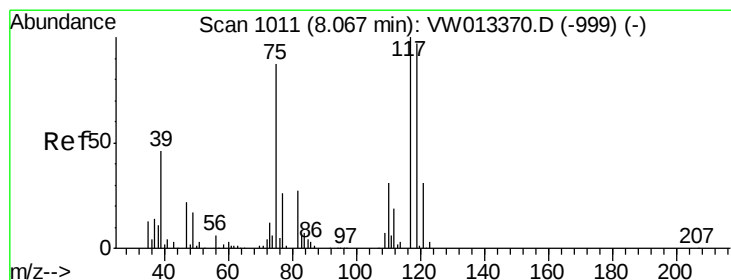
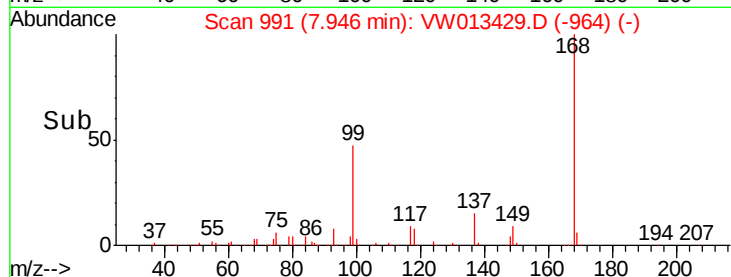
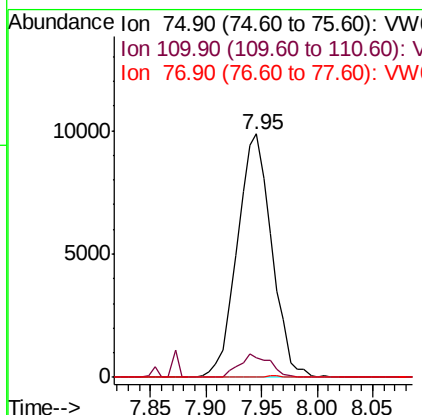
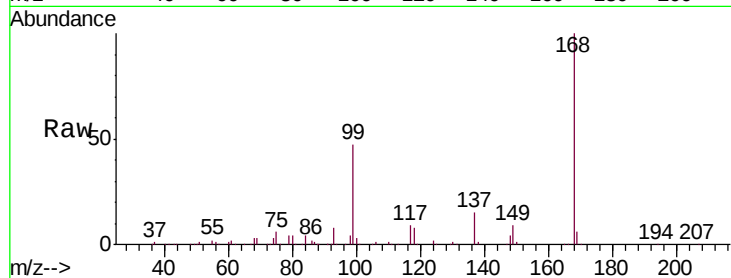




#36
 1,1-Dichloropropene
 Concen: 4.483 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW013429.D
 Acq: 03 Oct 2019 18:45

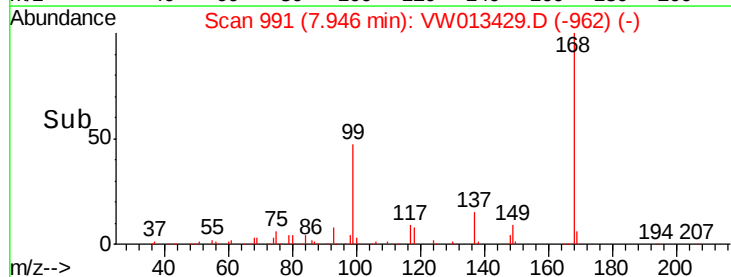
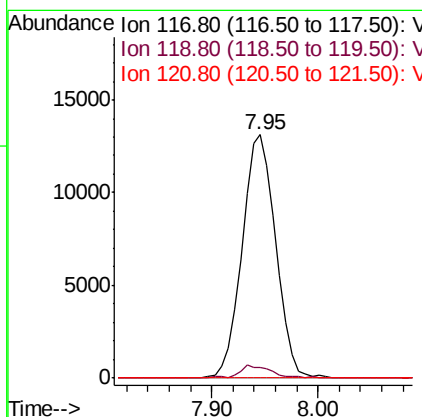
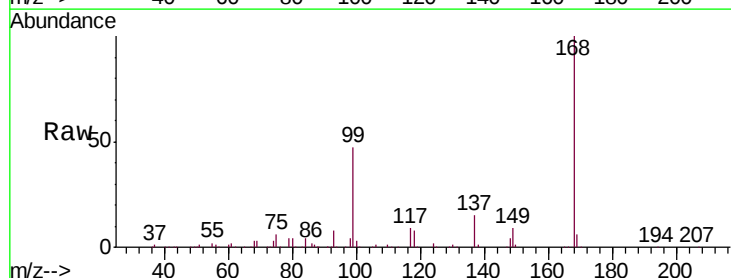
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

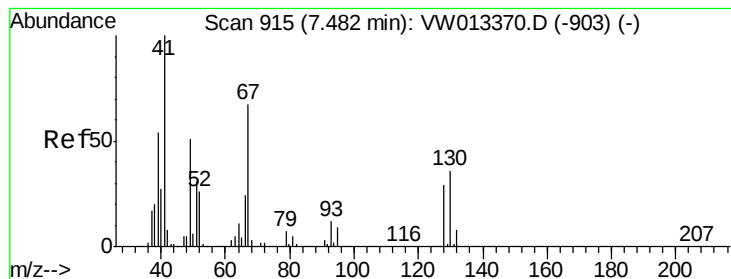
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	18.1	54.3#
77	0.2	25.8	38.6#



#38
 Carbon Tetrachloride
 Concen: 7.117 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW013429.D
 Acq: 03 Oct 2019 18:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.3	73.5	110.3#
121	0.0	25.0	37.6#





#41

Methacrylonitrile

Concen: 1.770 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.06 min

Lab File: VW013429.D

Acq: 03 Oct 2019 18:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 41 Resp: 2218

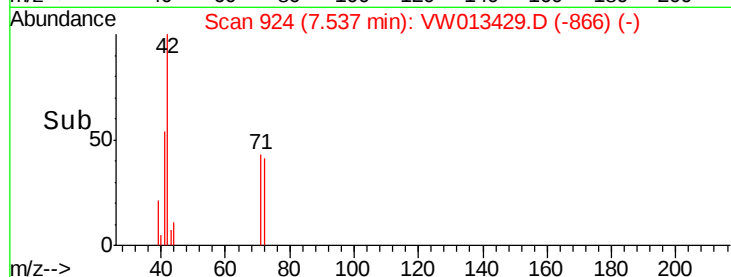
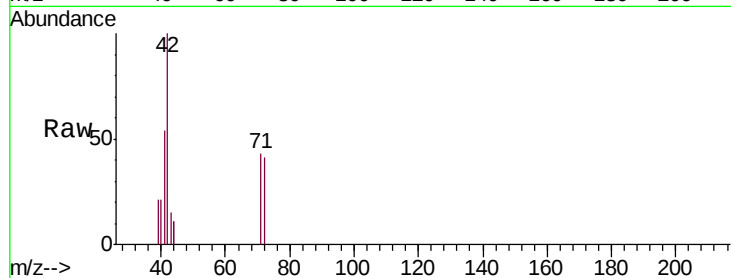
Ion Ratio Lower Upper

41 100

39 45.6 45.9 68.9#

67 0.0 54.5 81.7#

52 0.0 22.5 33.7#

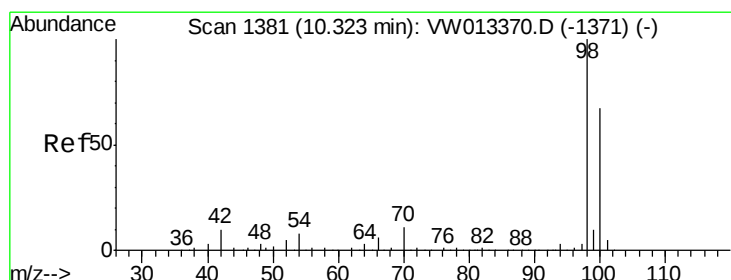
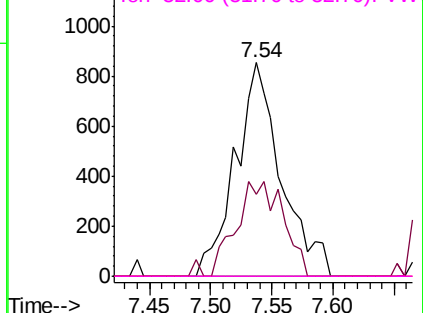


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#50

Toluene-d8

Concen: 52.501 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW013429.D

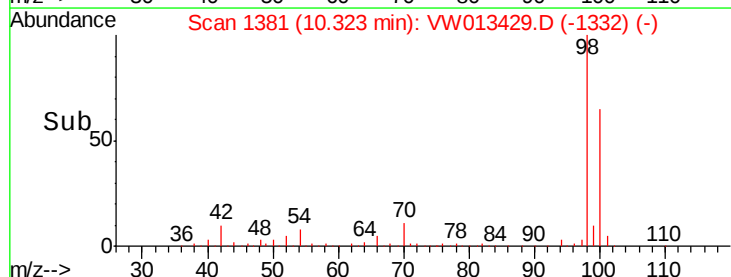
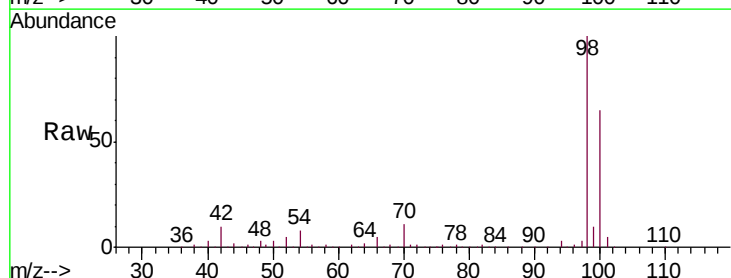
Acq: 03 Oct 2019 18:45

Tgt Ion: 98 Resp: 579655

Ion Ratio Lower Upper

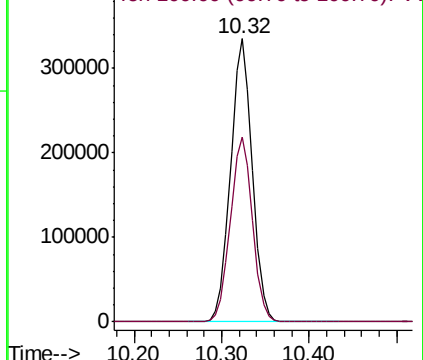
98 100

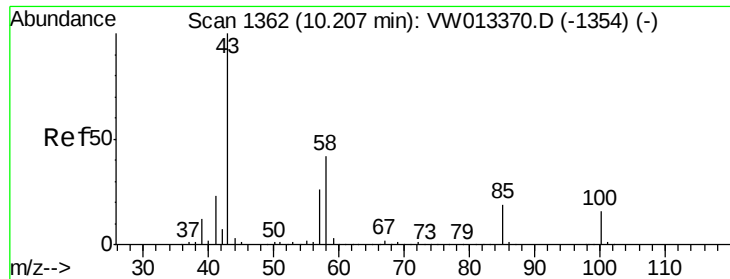
100 66.3 52.9 79.3



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: 1.287 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.12 min

Lab File: VW013429.D

Acq: 03 Oct 2019 18:45

Instrument :

MSVOA_W

ClientSampleId :

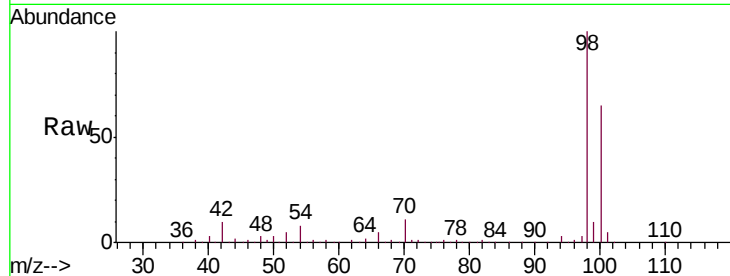
VSTDCCC050EC

Tgt Ion: 43 Resp: 2646

Ion Ratio Lower Upper

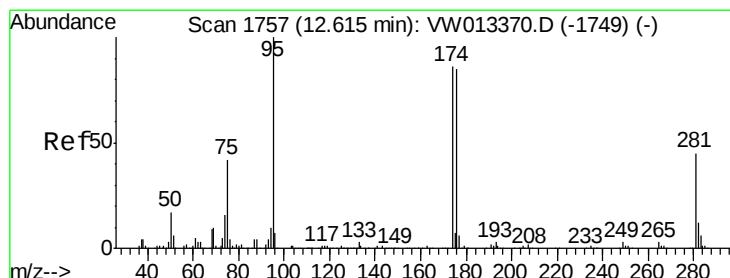
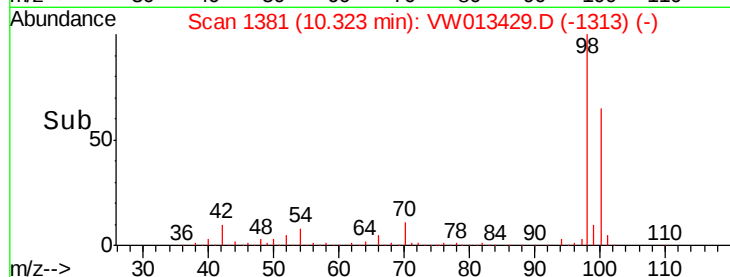
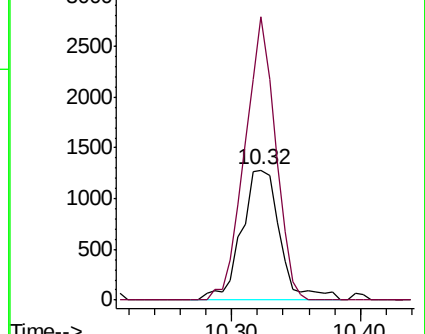
43 100

58 172.8 31.7 47.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#62

4-Bromofluorobenzene

Concen: 49.201 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW013429.D

Acq: 03 Oct 2019 18:45

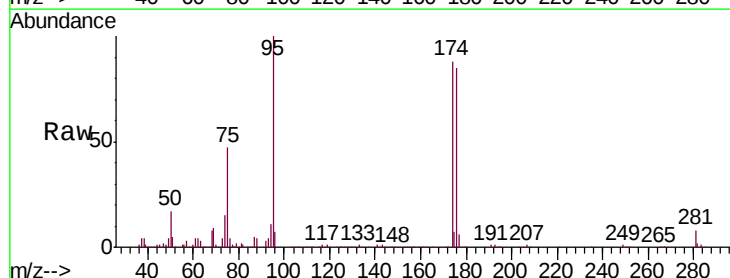
Tgt Ion: 95 Resp: 181401

Ion Ratio Lower Upper

95 100

174 91.2 0.0 178.4

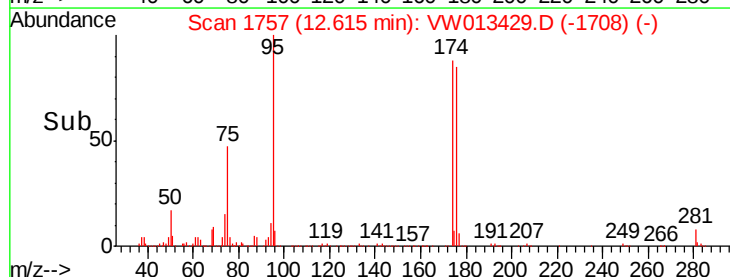
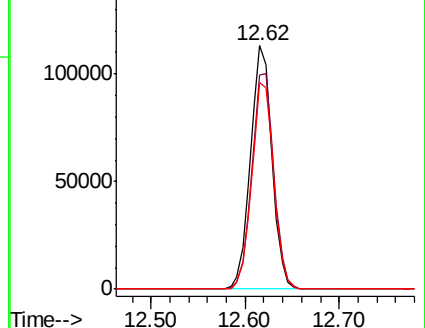
176 86.6 0.0 172.2

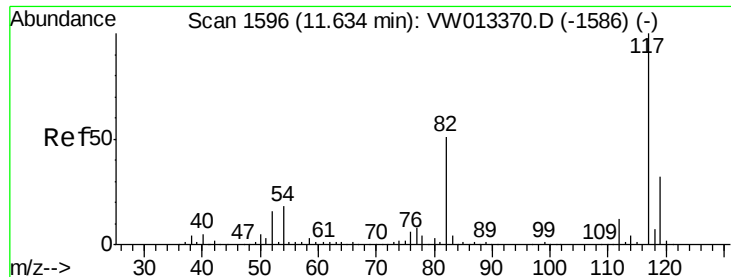


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

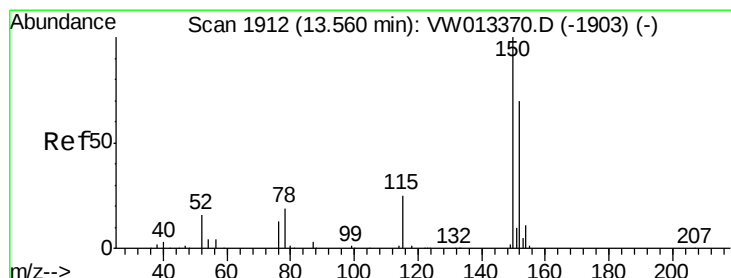
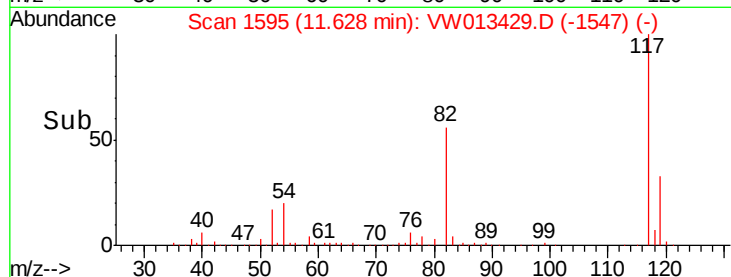
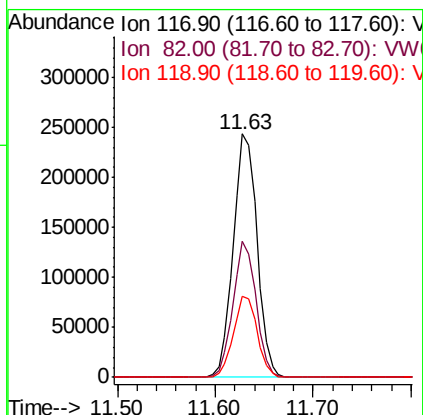
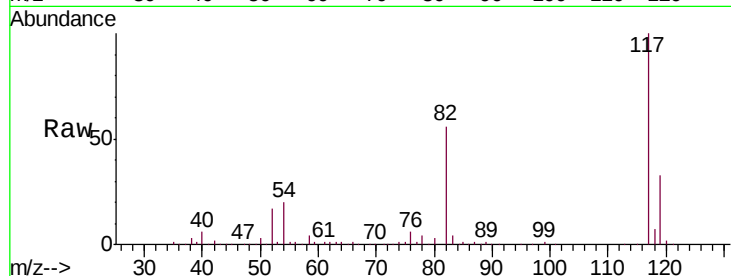




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW013429.D
Acq: 03 Oct 2019 18:45

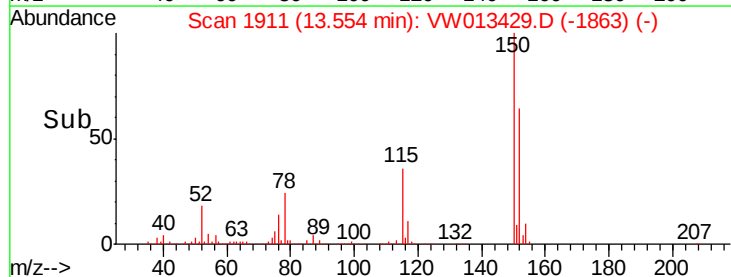
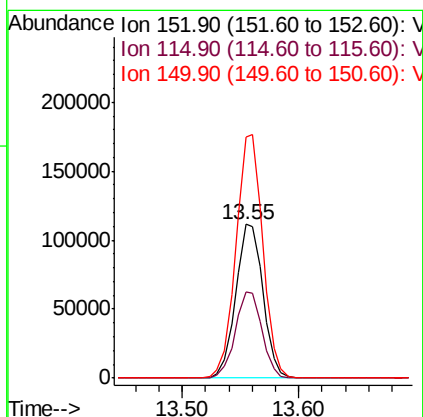
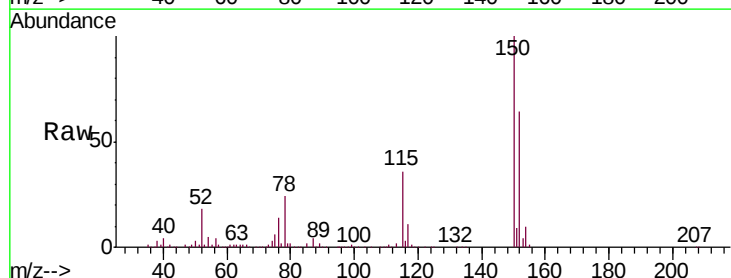
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

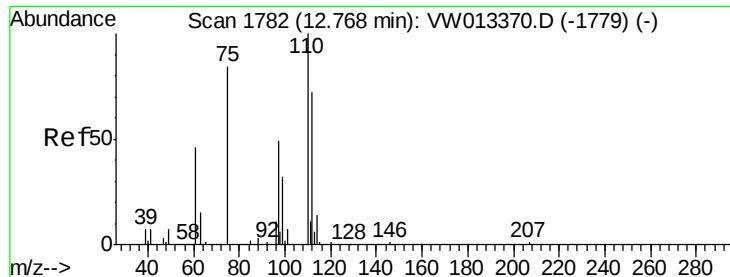
Tgt Ion:117 Resp: 413601
Ion Ratio Lower Upper
117 100
82 55.9 45.9 68.9
119 33.1 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW013429.D
Acq: 03 Oct 2019 18:45

Tgt Ion:152 Resp: 180978
Ion Ratio Lower Upper
152 100
115 55.1 27.3 81.9
150 156.5 0.0 349.0

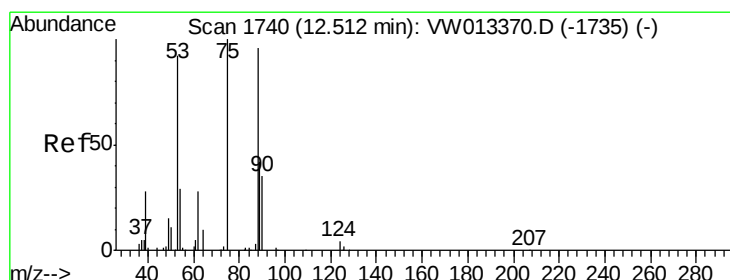
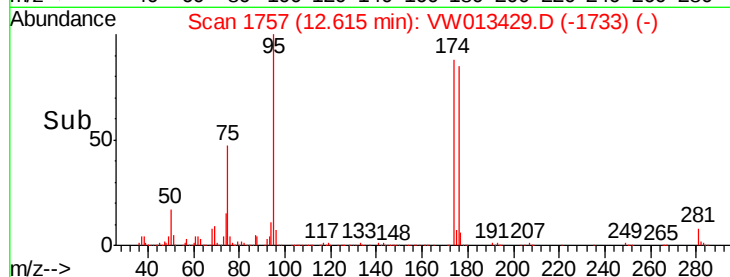
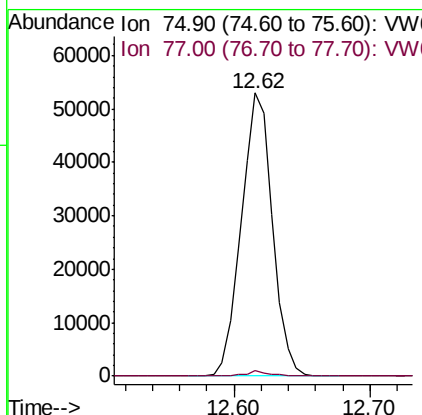
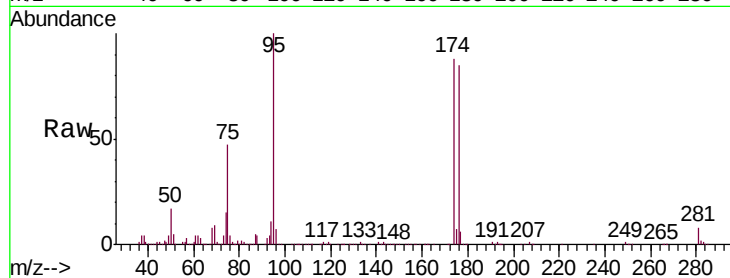




#76
 1,2,3-Trichloropropane
 Concen: 52.470 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW013429.D
 Acq: 03 Oct 2019 18:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 75 Resp: 84397
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 106.405 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW013429.D
 Acq: 03 Oct 2019 18:45

Tgt Ion: 75 Resp: 84397
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.6 114.8#
 89 0.0 33.5 50.3#

