

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY102219\
 Data File : VY000361.D
 Acq On : 22 Oct 2019 13:41
 Operator : SY/MD
 Sample : K5147-05
 Misc : 7.13G/5ML/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OK-02-101819

Quant Time: Oct 23 08:02:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 17 02:03:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	265046	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	445590	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	375653	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	162229	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	146444	52.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.76%	
35) Dibromofluoromethane	7.73	113	128852	47.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.88%	
50) Toluene-d8	10.19	98	501092	48.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.92%	
62) 4-Bromofluorobenzene	12.49	95	166118	42.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.58%	

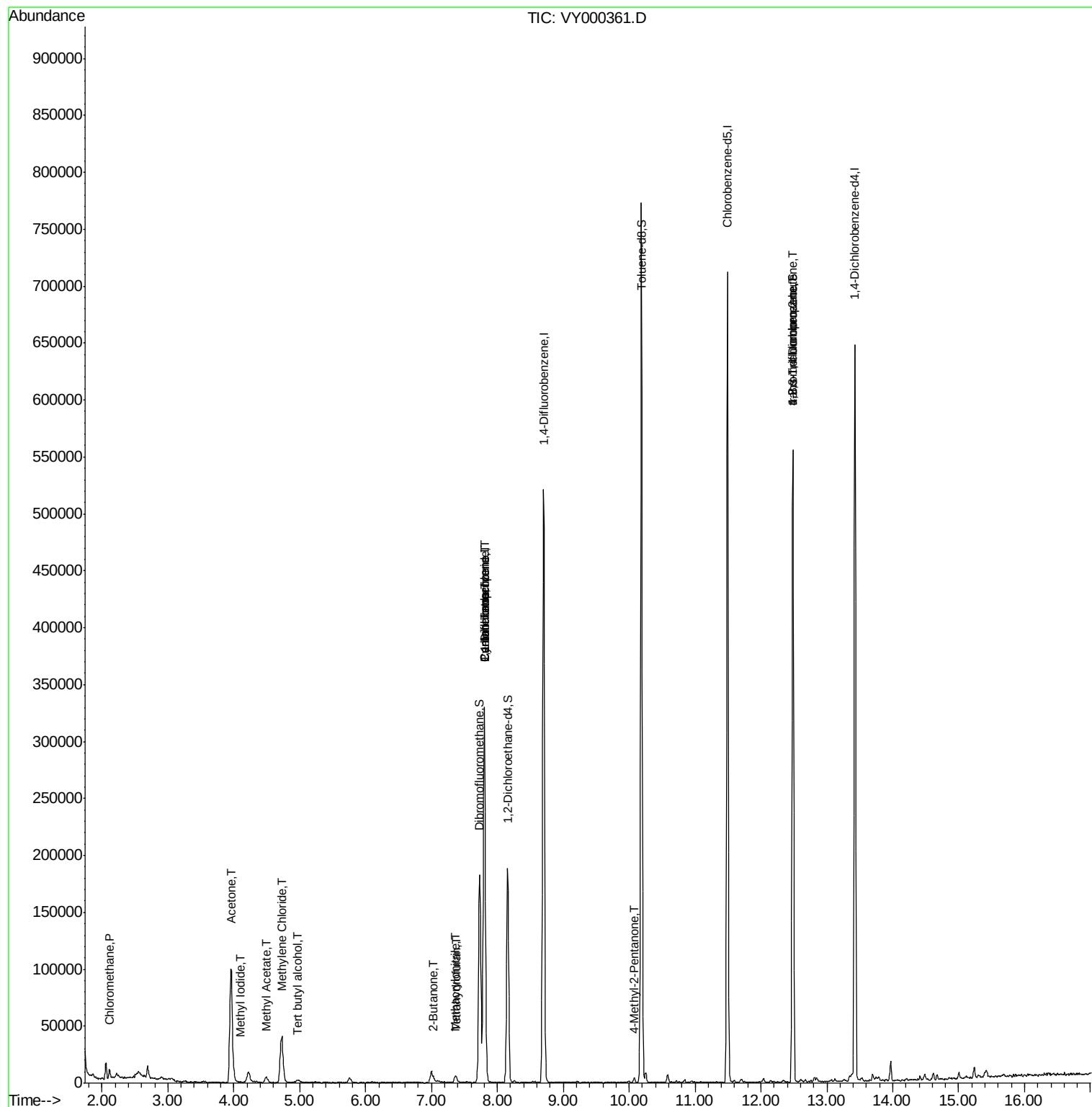
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.90	85	151	Below Cal	# 41
3) Chloromethane	2.12	50	6127	1.892	ug/l 92
10) Methyl Iodide	4.10	142	318	1.266	ug/l # 41
11) Tert butyl alcohol	4.97	59	2806	9.590	ug/l 97
16) Acetone	3.96	43	171118	188.996	ug/l 98
18) Methyl Acetate	4.49	43	10143	4.509	ug/l 94
20) Methylene Chloride	4.72	84	30358	5.066	ug/l 96
25) 2-Butanone	7.03	43	2736	2.145	ug/l # 71
29) Tetrahydrofuran	7.38	42	5230	6.766	ug/l # 84
31) Cyclohexane	7.80	56	6228	1.164	ug/l # 17
36) 1,1-Dichloropropene	7.80	75	21113	4.840	ug/l # 49
38) Carbon Tetrachloride	7.80	117	25009	5.921	ug/l # 18
41) Methacrylonitrile	7.36	41	2868	2.332	ug/l # 8
51) 4-Methyl-2-Pentanone	10.08	43	2639	1.042	ug/l 98
76) 1,2,3-Trichloropropane	12.49	75	85791	43.006	ug/l # 100
81) trans-1,4-Dichloro-2-buten	12.49	75	85791	94.095	ug/l # 14

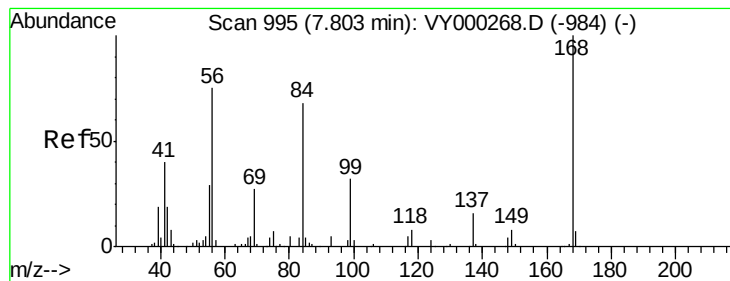
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.01 min

Lab File: VY000361.D

Acq: 22 Oct 2019 13:41

Instrument :

MSVOA_Y

ClientSampleId :

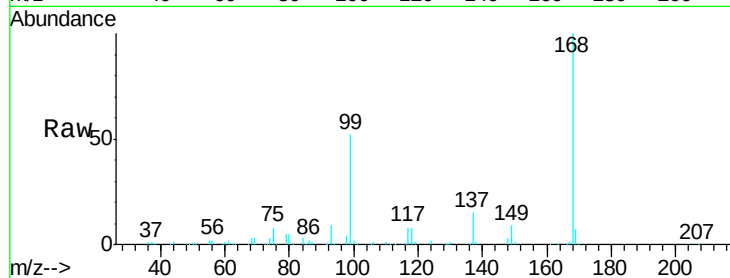
OK-02-101819

Tgt Ion:168 Resp: 265046

Ion Ratio Lower Upper

168 100

99 52.3 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VY000268.D (-984) (-)

Ion 98.90 (98.60 to 99.60): VY000268.D (-984) (-)

7.81

120000

100000

80000

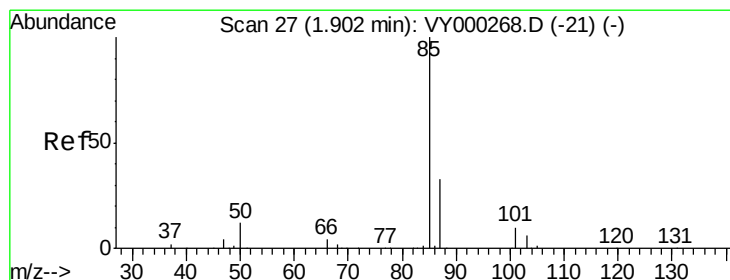
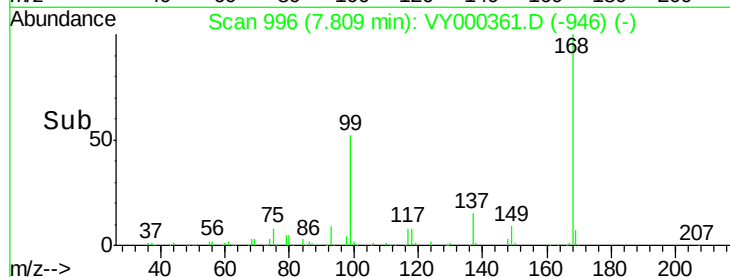
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY000361.D

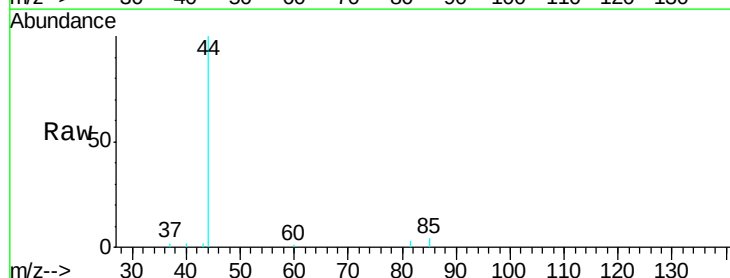
Acq: 22 Oct 2019 13:41

Tgt Ion: 85 Resp: 151

Ion Ratio Lower Upper

85 100

87 0.0 16.6 49.8#



Abundance Ion 84.90 (84.60 to 85.60): VY000268.D (-21) (-)

Ion 86.90 (86.60 to 87.60): VY000268.D (-21) (-)

1.90

200

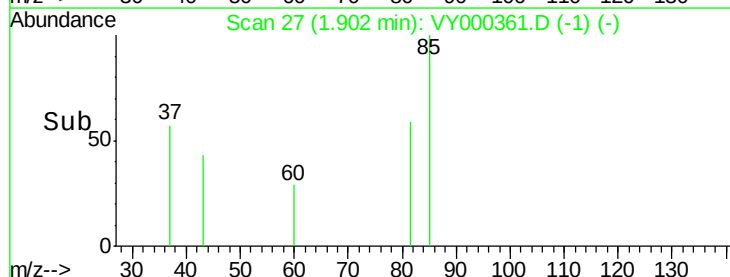
150

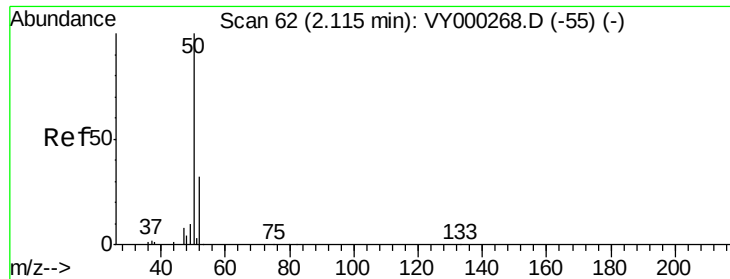
100

50

0

Time-->





#3

Chloromethane

Concen: 1.892 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY000361.D

Acq: 22 Oct 2019 13:41

Instrument :

MSVOA_Y

ClientSampleId :

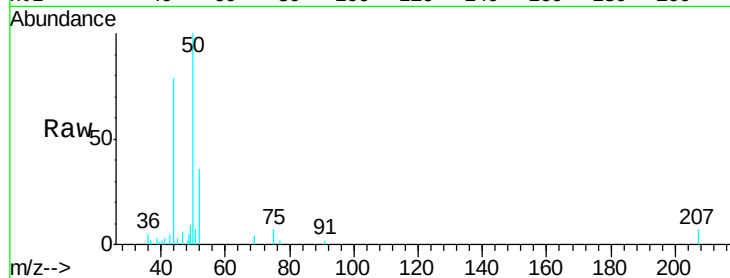
OK-02-101819

Tgt Ion: 50 Resp: 6127

Ion Ratio Lower Upper

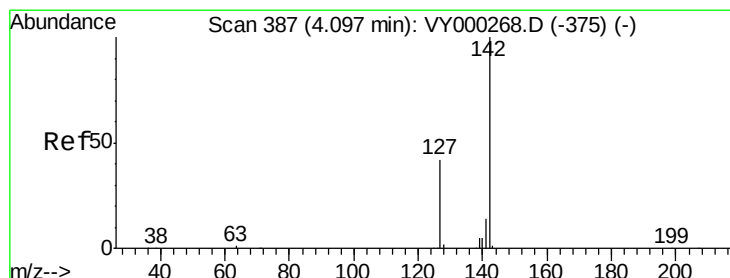
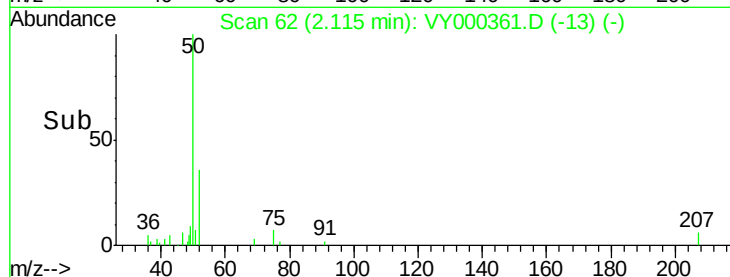
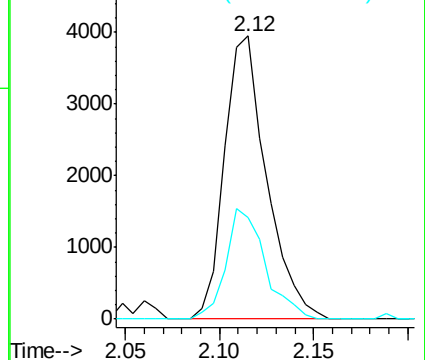
50 100

52 35.8 25.3 37.9



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#10

Methyl Iodide

Concen: 1.266 ug/l

RT: 4.10 min Scan# 388

Delta R.T. 0.01 min

Lab File: VY000361.D

Acq: 22 Oct 2019 13:41

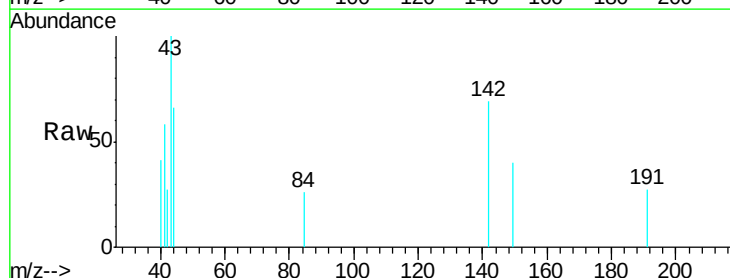
Tgt Ion: 142 Resp: 318

Ion Ratio Lower Upper

142 100

127 0.0 33.9 50.9#

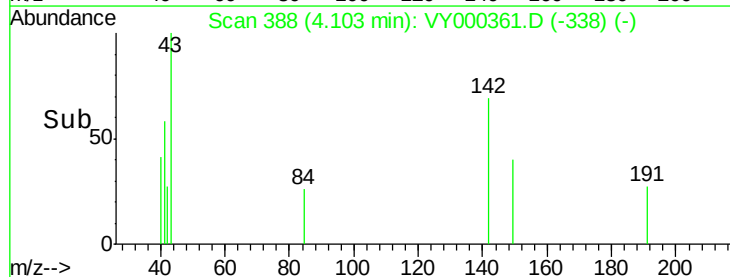
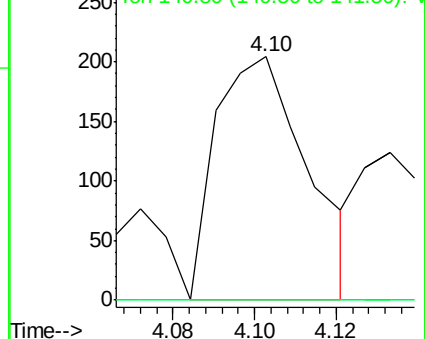
141 0.0 11.2 16.8#

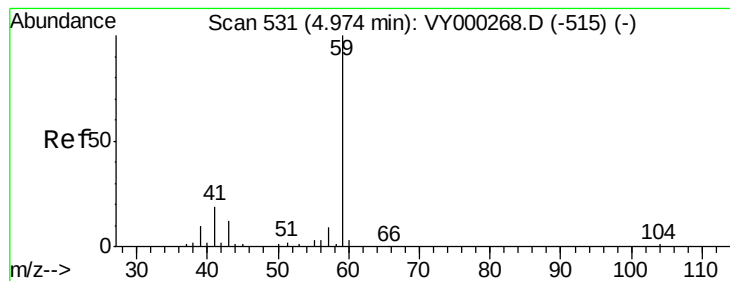


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



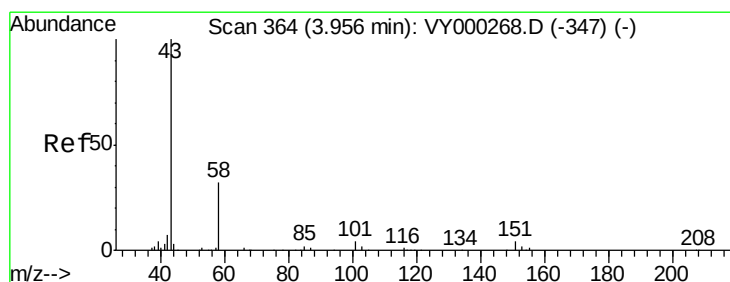
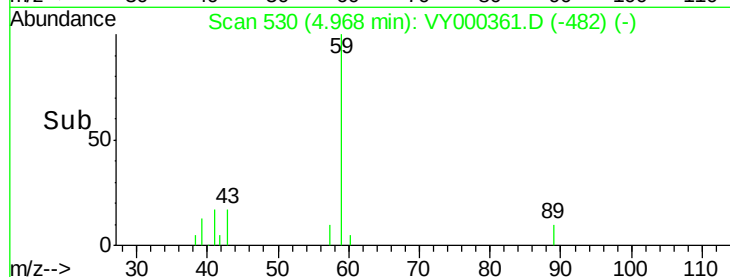
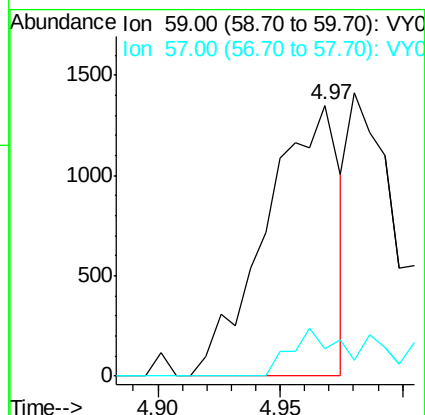
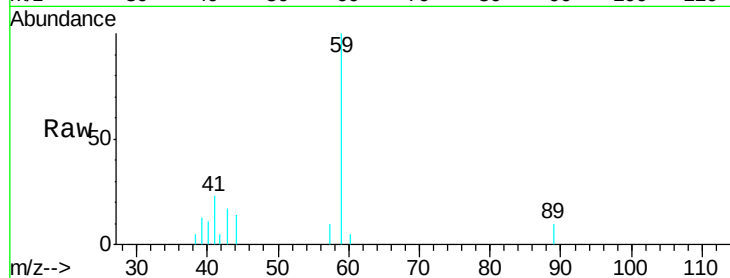


#11

Tert butyl alcohol
 Concen: 9.590 ug/l
 RT: 4.97 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VY000361.D
 Acq: 22 Oct 2019 13:41

Instrument :
 MSVOA_Y
 ClientSampleId :
 OK-02-101819

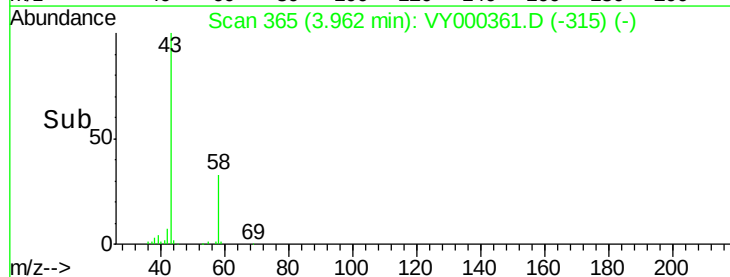
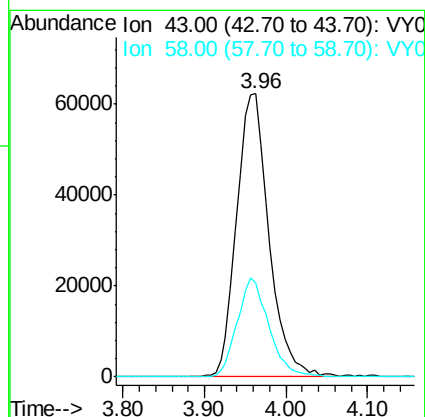
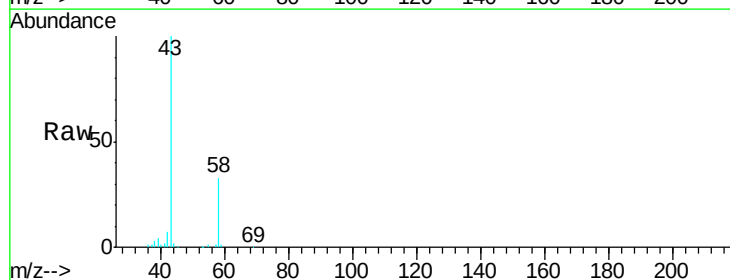
Tgt Ion: 59 Resp: 2806
 Ion Ratio Lower Upper
 59 100
 57 11.5 8.2 12.2

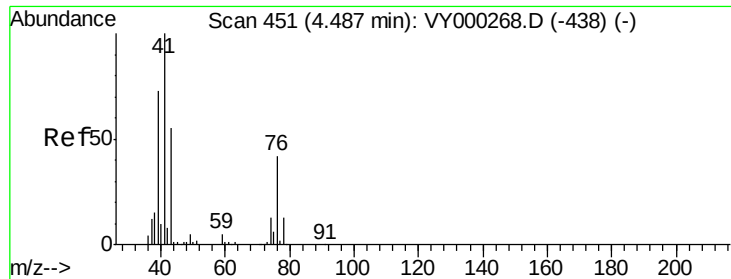


#16

Acetone
 Concen: 188.996 ug/l
 RT: 3.96 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VY000361.D
 Acq: 22 Oct 2019 13:41

Tgt Ion: 43 Resp: 171118
 Ion Ratio Lower Upper
 43 100
 58 33.1 25.8 38.6

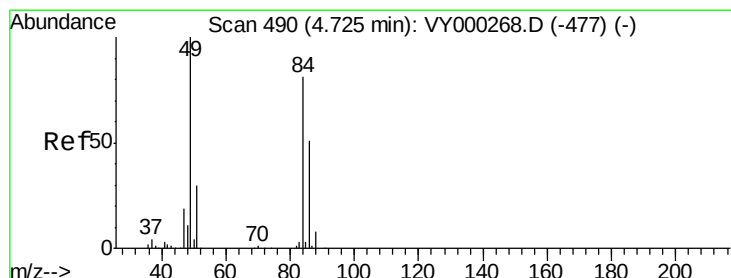
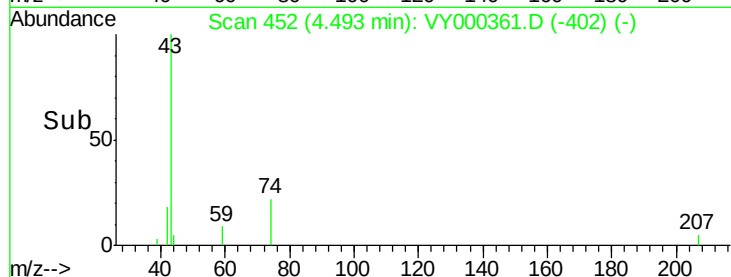
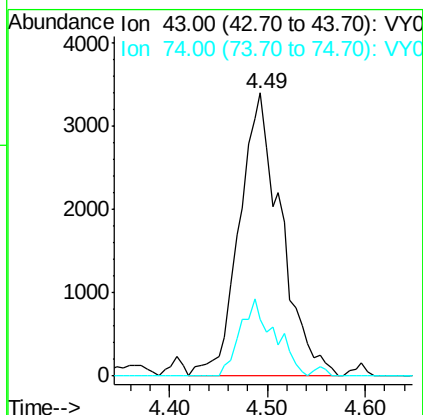
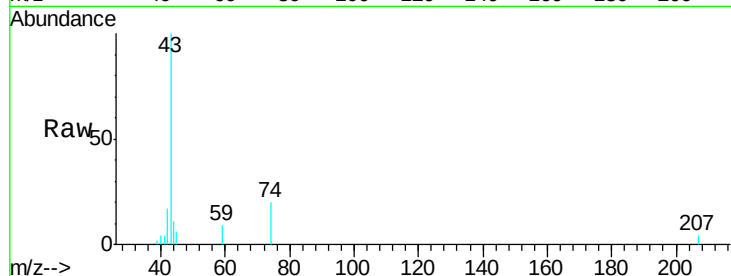




#18
Methyl Acetate
Concen: 4.509 ug/l
RT: 4.49 min Scan# 452
Delta R.T. 0.01 min
Lab File: VY000361.D
Acq: 22 Oct 2019 13:41

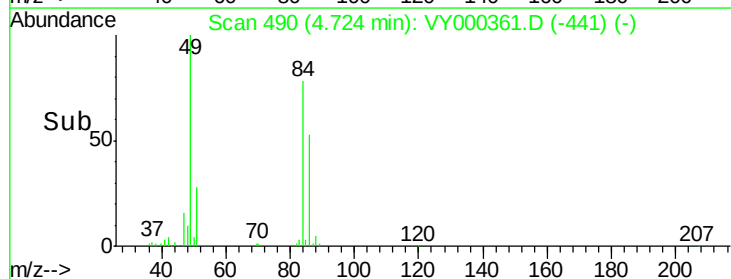
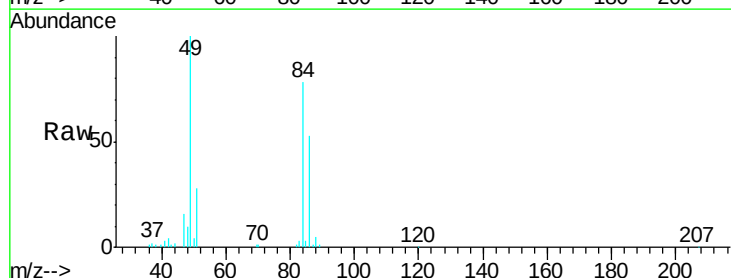
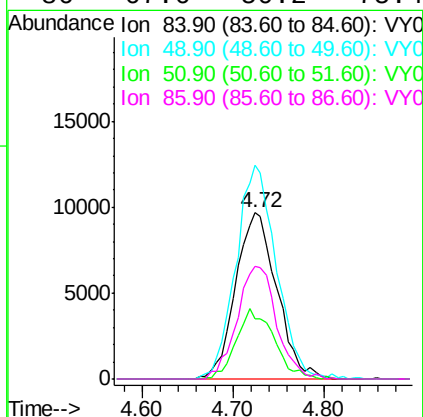
Instrument :
MSVOA_Y
ClientSampleId :
OK-02-101819

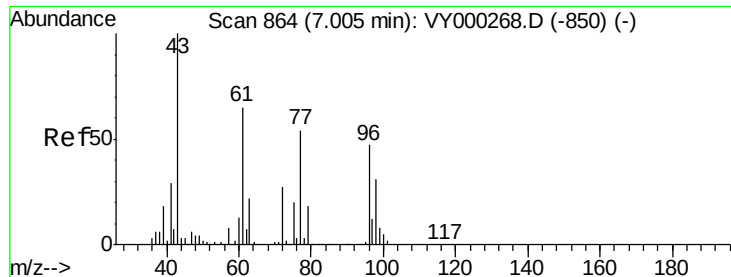
Tgt Ion: 43 Resp: 10143
Ion Ratio Lower Upper
43 100
74 22.5 20.4 30.6



#20
Methylene Chloride
Concen: 5.066 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY000361.D
Acq: 22 Oct 2019 13:41

Tgt Ion: 84 Resp: 30358
Ion Ratio Lower Upper
84 100
49 128.7 99.0 148.4
51 36.4 29.3 43.9
86 67.6 50.2 75.4

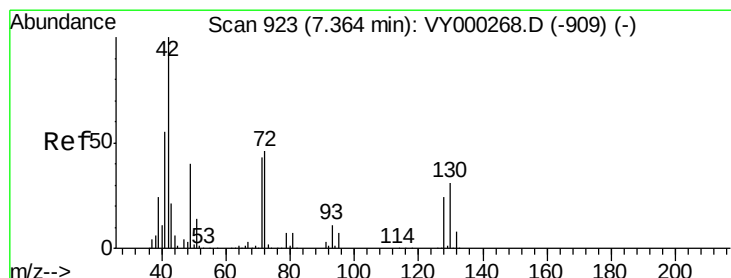
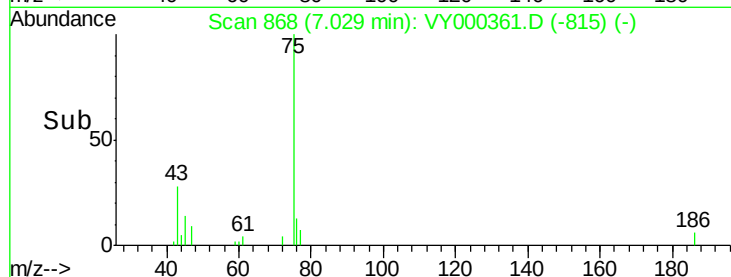
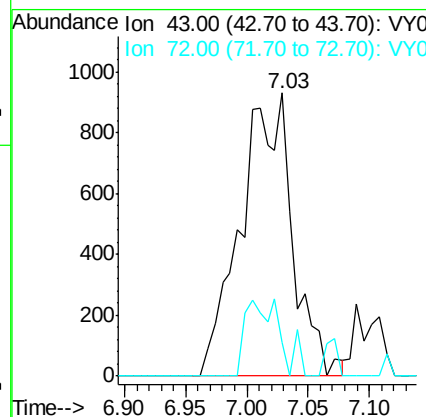
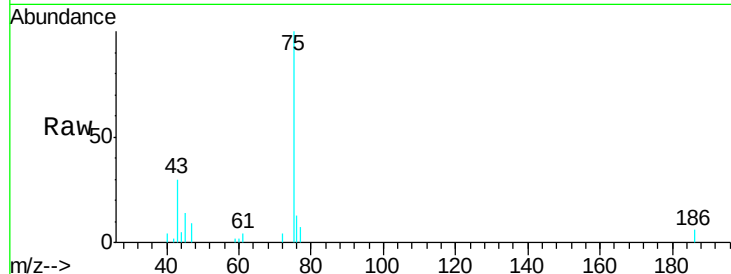




#25
2-Butanone
Concen: 2.145 ug/l
RT: 7.03 min Scan# 868
Delta R.T. 0.02 min
Lab File: VY000361.D
Acq: 22 Oct 2019 13:41

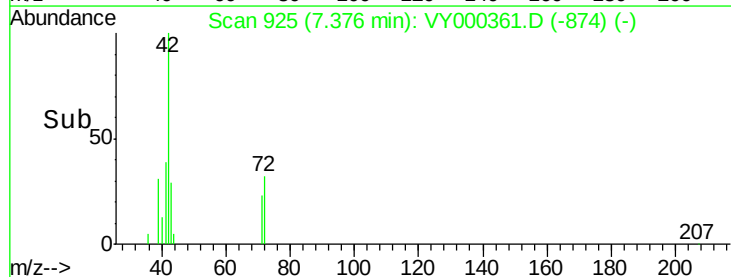
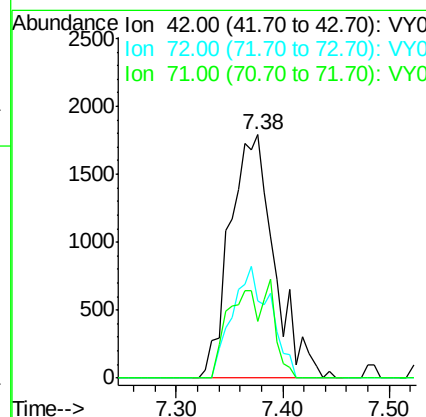
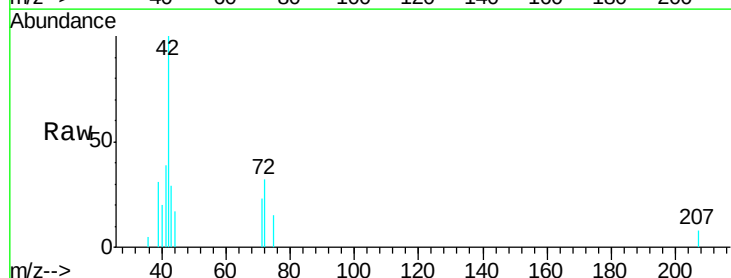
Instrument :
MSVOA_Y
ClientSampleId :
OK-02-101819

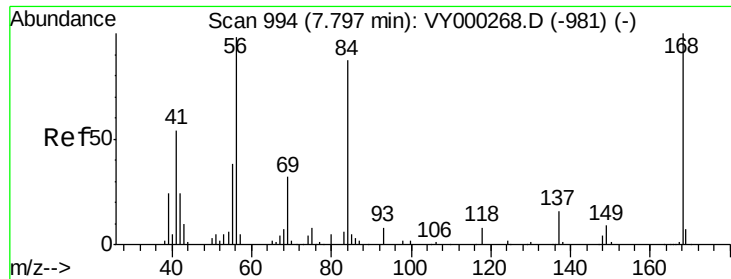
Tgt Ion: 43 Resp: 2736
Ion Ratio Lower Upper
43 100
72 11.9 21.4 32.2#



#29
Tetrahydrofuran
Concen: 6.766 ug/l
RT: 7.38 min Scan# 925
Delta R.T. 0.01 min
Lab File: VY000361.D
Acq: 22 Oct 2019 13:41

Tgt Ion: 42 Resp: 5230
Ion Ratio Lower Upper
42 100
72 39.4 34.5 51.7
71 24.6 32.7 49.1#

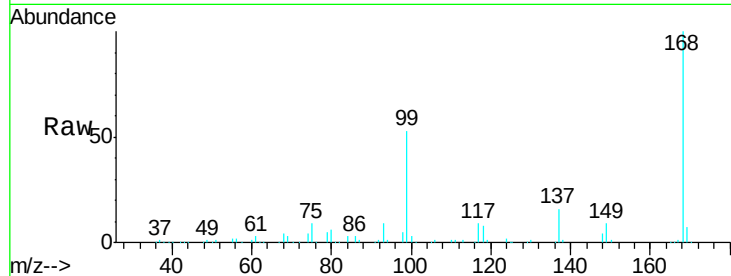




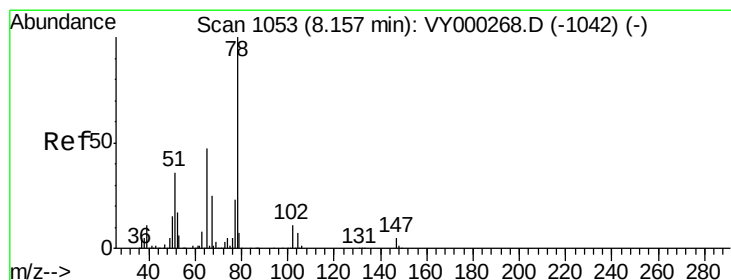
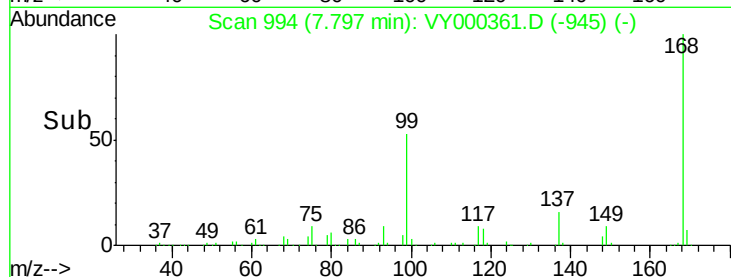
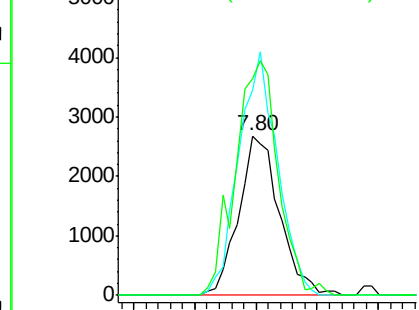
#31
Cyclohexane
Concen: 1.164 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.00 min
Lab File: VY000361.D
Acq: 22 Oct 2019 13:41

Instrument :
MSVOA_Y
ClientSampleId :
OK-02-101819

Tgt Ion: 56 Resp: 6228
Ion Ratio Lower Upper
56 100
69 128.8 26.3 39.5#
84 136.1 70.8 106.2#

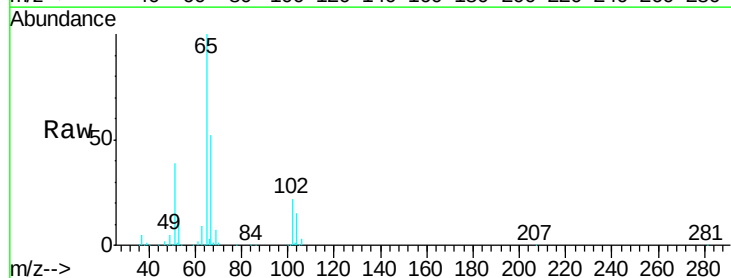


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

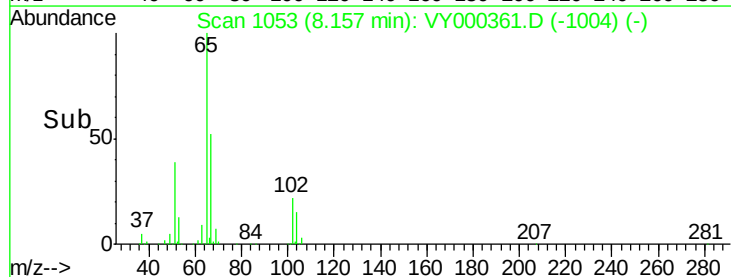
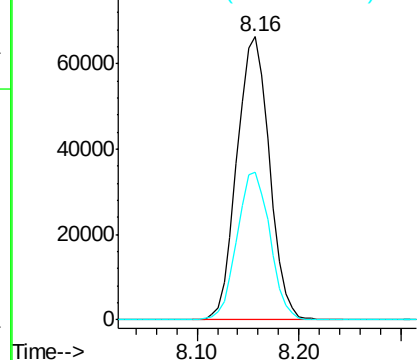


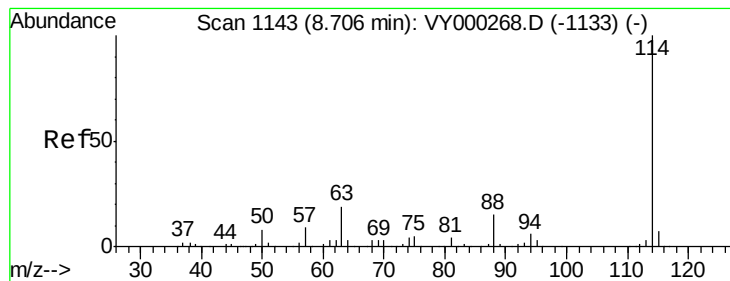
#33
1,2-Dichloroethane-d4
Concen: 52.380 ug/l
RT: 8.16 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VY000361.D
Acq: 22 Oct 2019 13:41

Tgt Ion: 65 Resp: 146444
Ion Ratio Lower Upper
65 100
67 52.9 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VY0
Ion 66.90 (66.60 to 67.60): VY0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VY000361.D

Acq: 22 Oct 2019 13:41

Instrument :

MSVOA_Y

ClientSampleId :

OK-02-101819

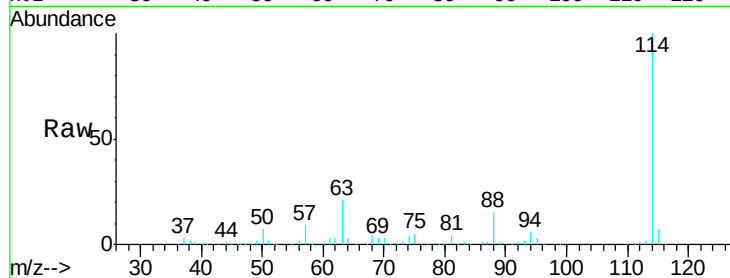
Tgt Ion:114 Resp: 445590

Ion Ratio Lower Upper

114 100

63 20.6 0.0 37.2

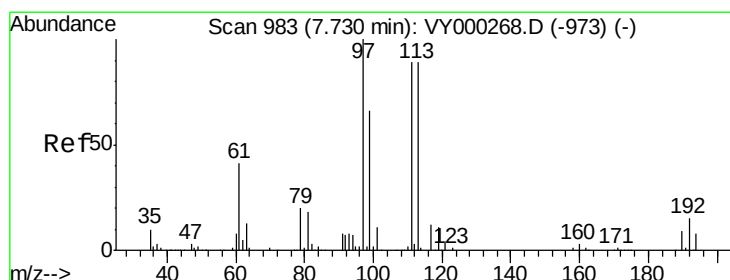
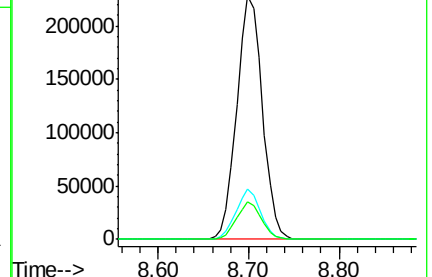
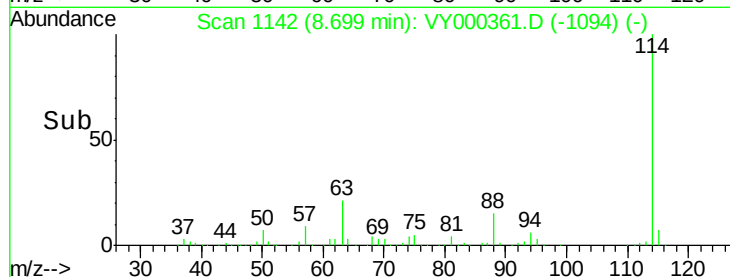
88 15.3 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0



#35

Dibromofluoromethane

Concen: 47.939 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY000361.D

Acq: 22 Oct 2019 13:41

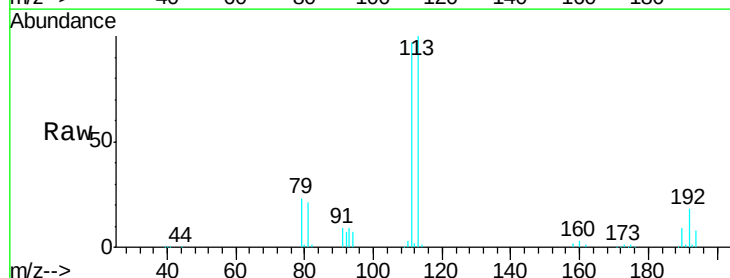
Tgt Ion:113 Resp: 128852

Ion Ratio Lower Upper

113 100

111 100.2 81.6 122.4

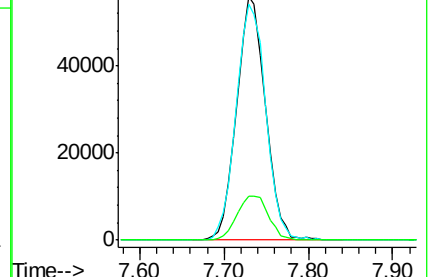
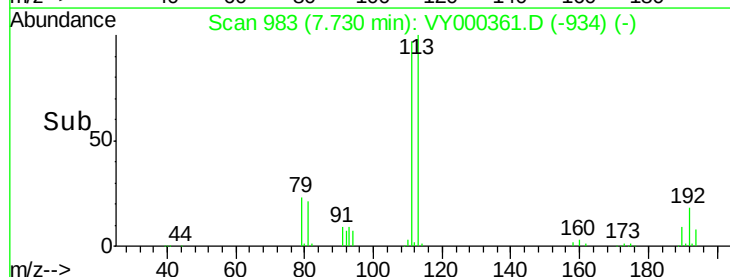
192 19.8 15.3 22.9

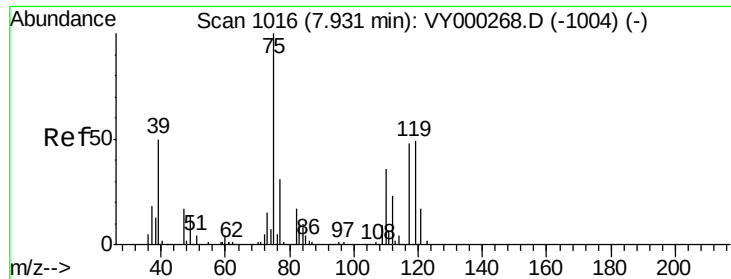


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

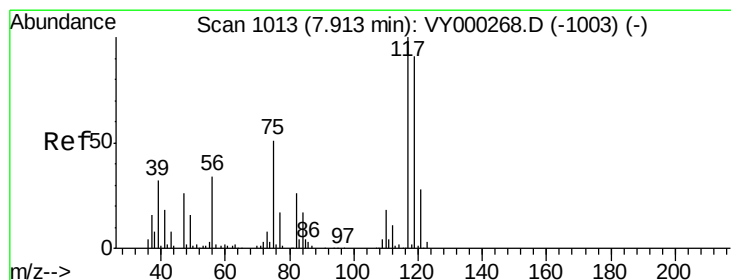
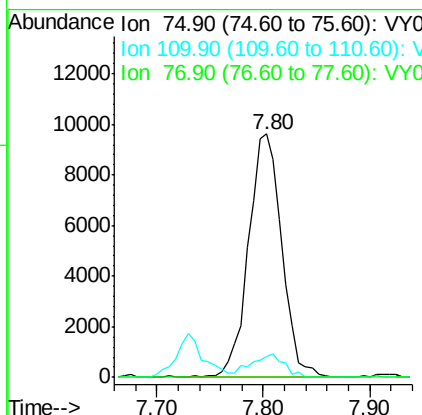
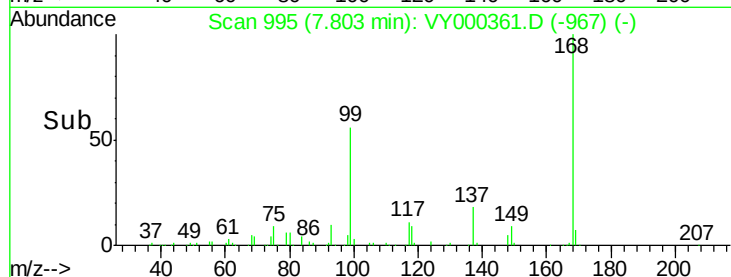
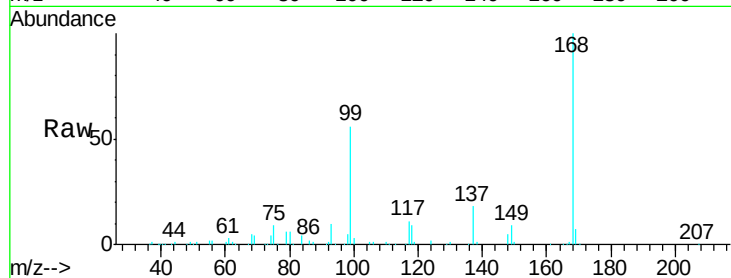




#36
 1,1-Dichloropropene
 Concen: 4.840 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.13 min
 Lab File: VY000361.D
 Acq: 22 Oct 2019 13:41

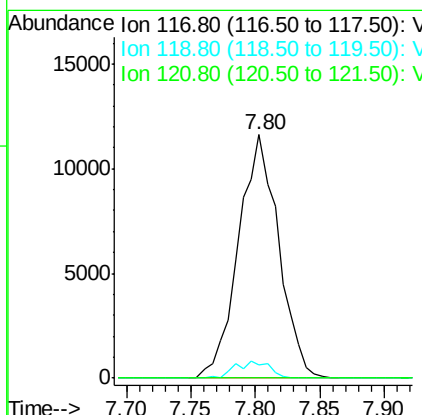
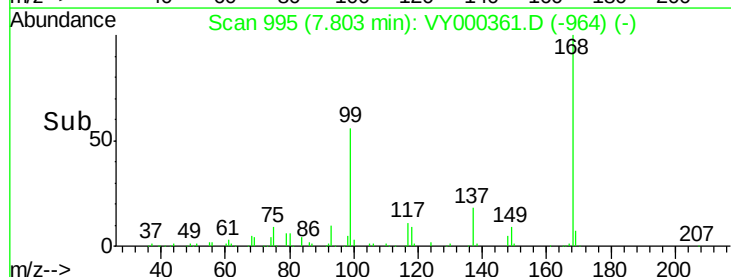
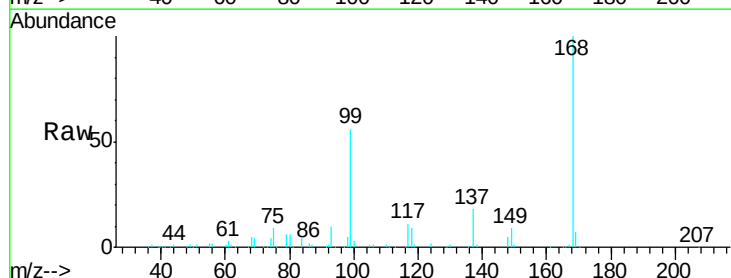
Instrument :
 MSVOA_Y
 ClientSampleId :
 OK-02-101819

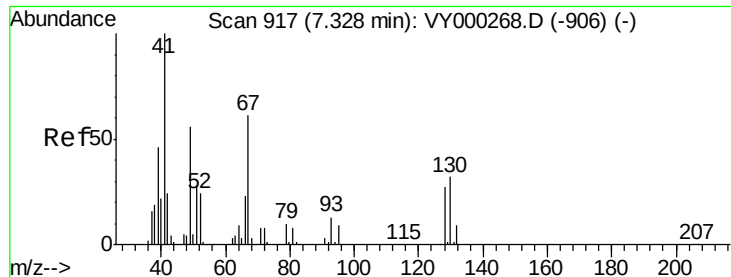
Tgt Ion: 75 Resp: 21113
 Ion Ratio Lower Upper
 75 100
 110 9.9 18.4 55.4#
 77 0.0 25.0 37.6#



#38
 Carbon Tetrachloride
 Concen: 5.921 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.11 min
 Lab File: VY000361.D
 Acq: 22 Oct 2019 13:41

Tgt Ion: 117 Resp: 25009
 Ion Ratio Lower Upper
 117 100
 119 5.5 72.8 109.2#
 121 0.0 22.2 33.2#

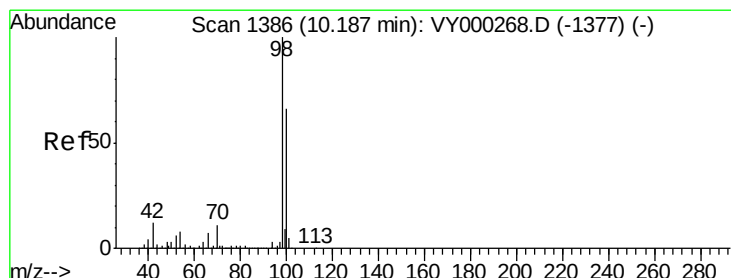
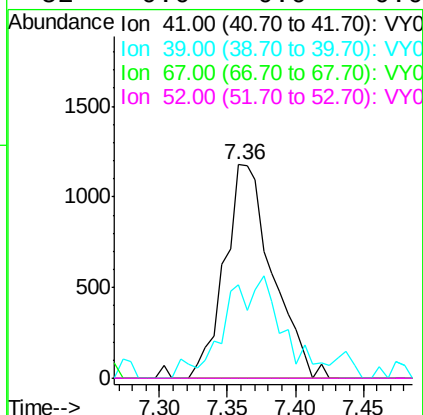
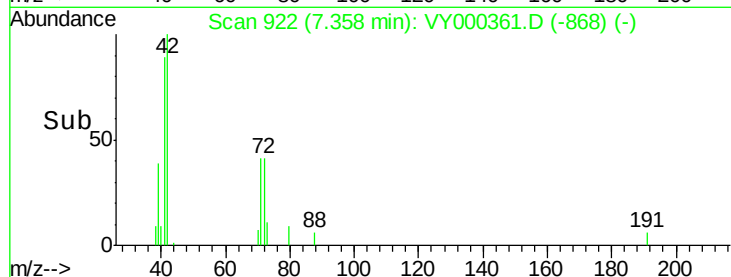
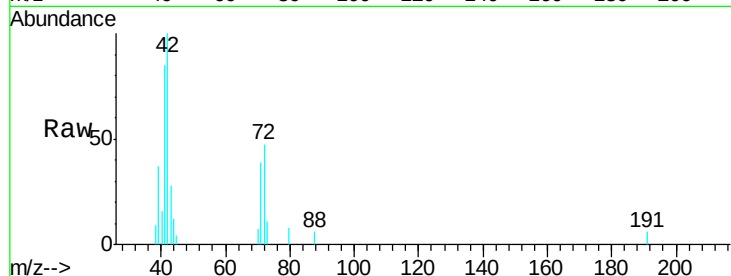




#41
Methacrylonitrile
Concen: 2.332 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.03 min
Lab File: VY000361.D
Acq: 22 Oct 2019 13:41

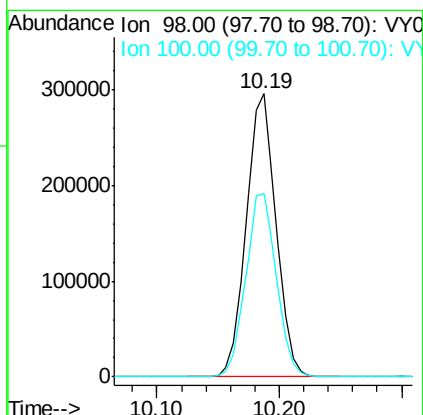
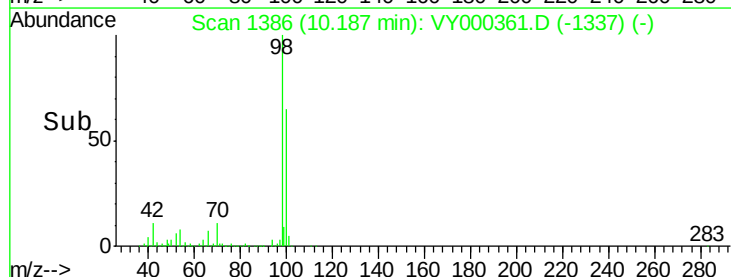
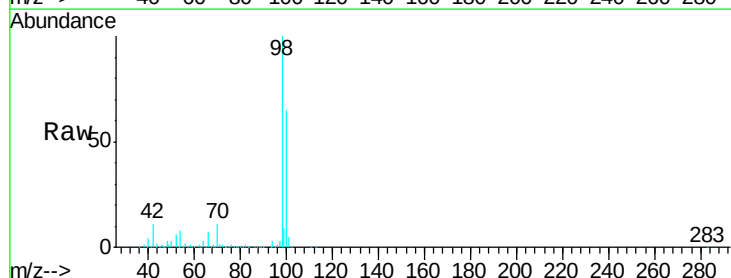
Instrument :
MSVOA_Y
ClientSampleId :
OK-02-101819

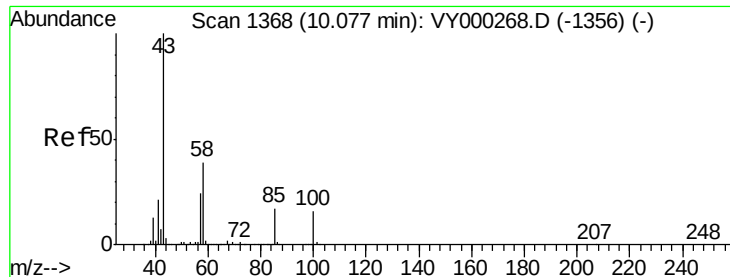
Tgt Ion:	41	Resp:	2868
Ion	Ratio	Lower	Upper
41	100		
39	27.1	110.2	165.2#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#50
Toluene-d8
Concen: 48.464 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.00 min
Lab File: VY000361.D
Acq: 22 Oct 2019 13:41

Tgt Ion:	98	Resp:	501092
Ion	Ratio	Lower	Upper
98	100		
100	66.3	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 1.042 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VY000361.D

Acq: 22 Oct 2019 13:41

Instrument :

MSVOA_Y

ClientSampleId :

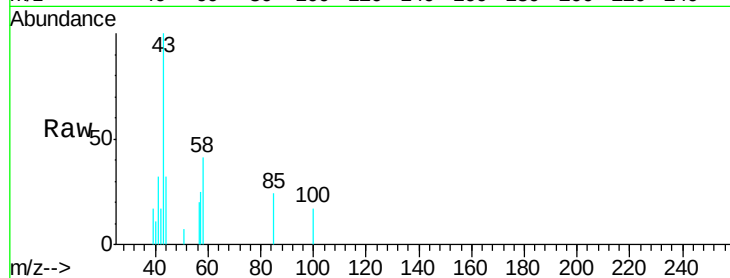
OK-02-101819

Tgt Ion: 43 Resp: 2639

Ion Ratio Lower Upper

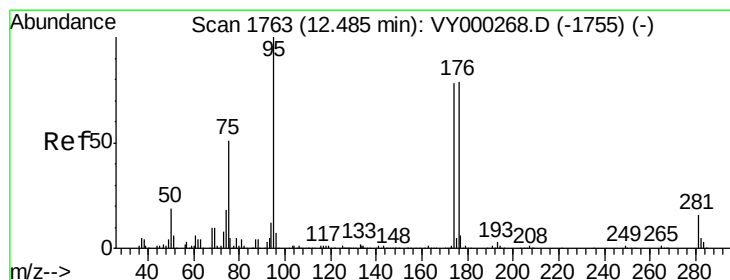
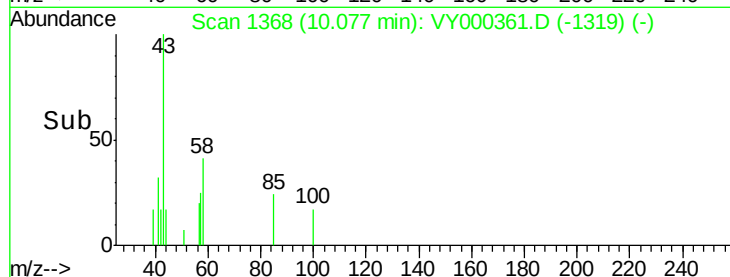
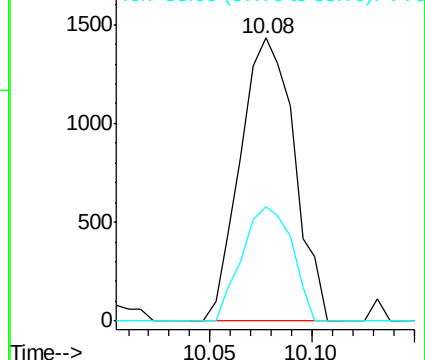
43 100

58 37.4 31.0 46.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#62

4-Bromofluorobenzene

Concen: 42.290 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VY000361.D

Acq: 22 Oct 2019 13:41

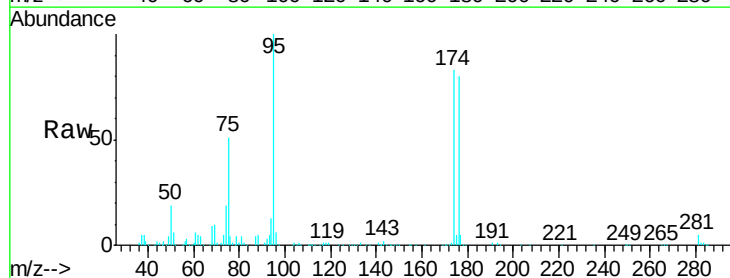
Tgt Ion: 95 Resp: 166118

Ion Ratio Lower Upper

95 100

174 82.1 0.0 159.6

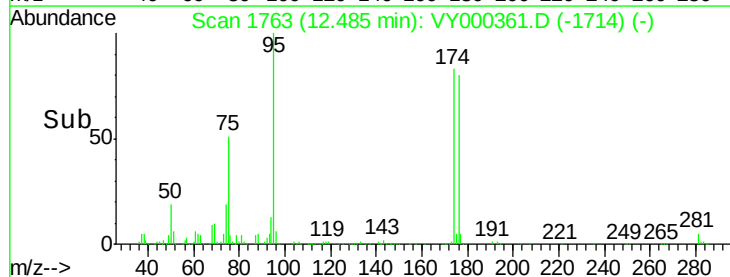
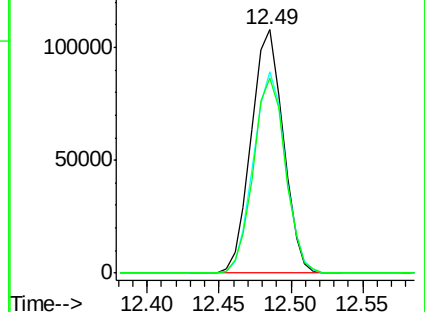
176 80.0 0.0 153.8

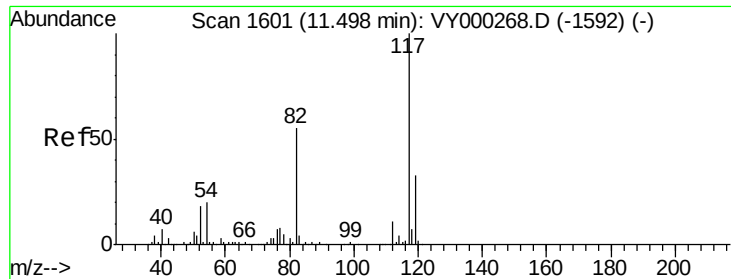


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

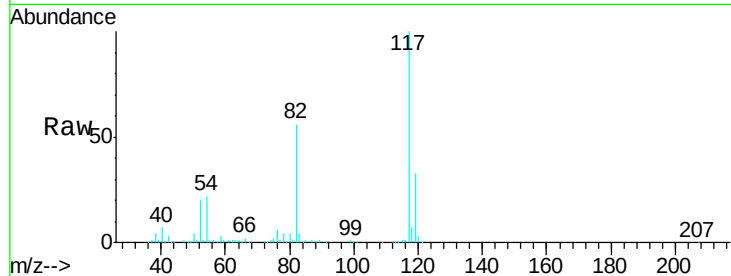




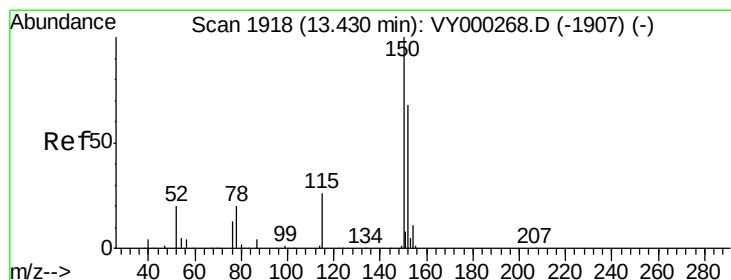
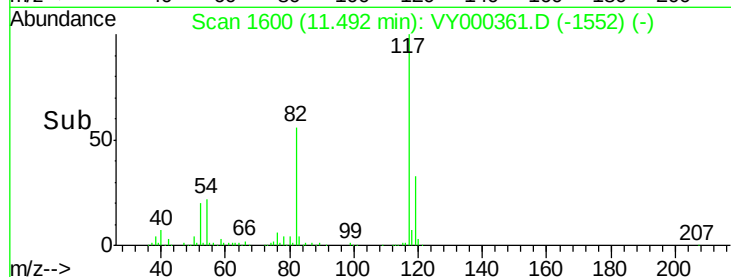
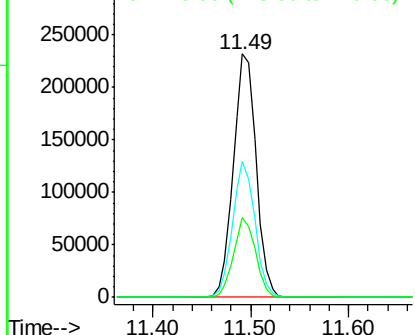
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000361.D
Acq: 22 Oct 2019 13:41

Instrument :
MSVOA_Y
ClientSampleId :
OK-02-101819

Tgt Ion:117 Resp: 375653
Ion Ratio Lower Upper
117 100
82 56.0 43.7 65.5
119 32.8 26.6 39.8

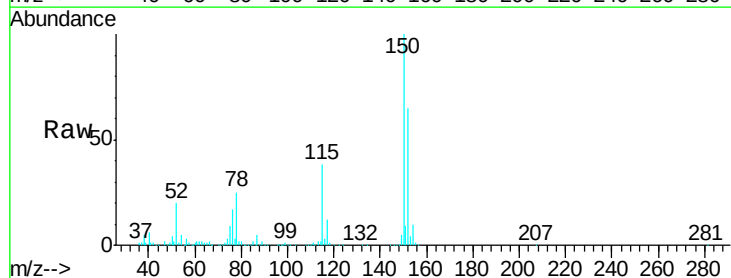


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

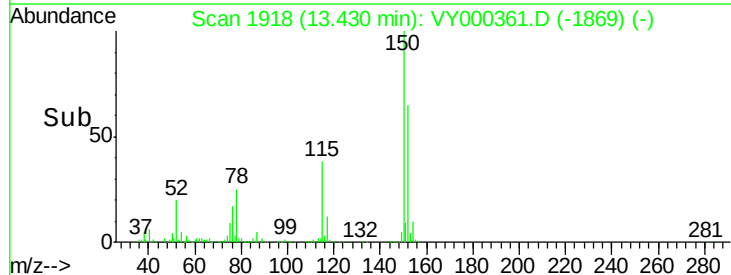
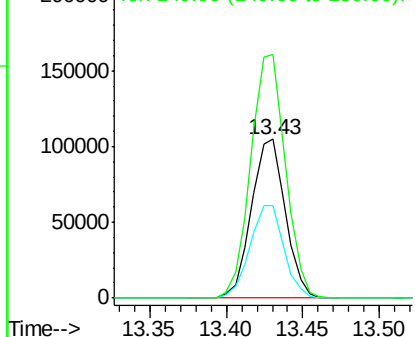


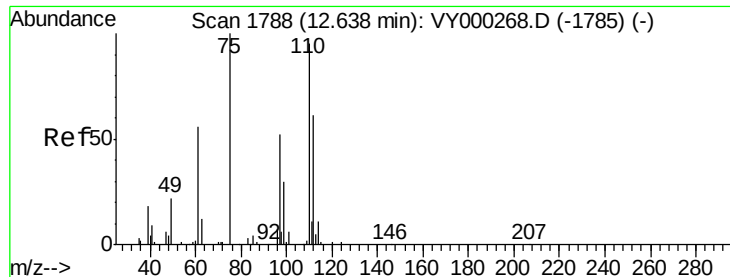
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.00 min
Lab File: VY000361.D
Acq: 22 Oct 2019 13:41

Tgt Ion:152 Resp: 162229
Ion Ratio Lower Upper
152 100
115 58.4 29.3 88.0
150 157.0 0.0 348.4



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: 43.006 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.15 min

Lab File: VY000361.D

Acq: 22 Oct 2019 13:41

Instrument :

MSVOA_Y

ClientSampleId :

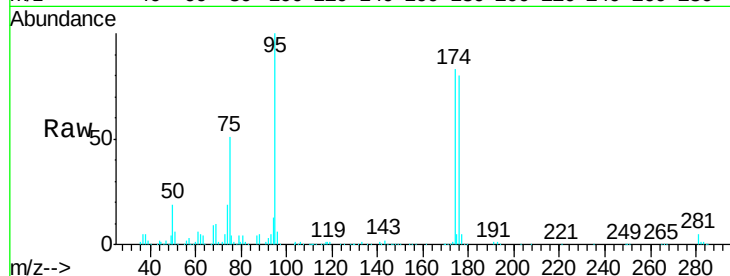
OK-02-101819

Tgt Ion: 75 Resp: 85791

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0

12.49

60000

50000

40000

30000

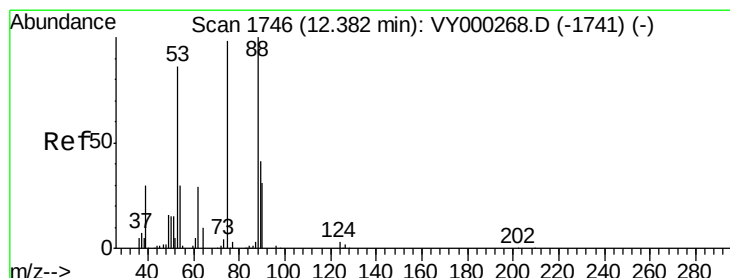
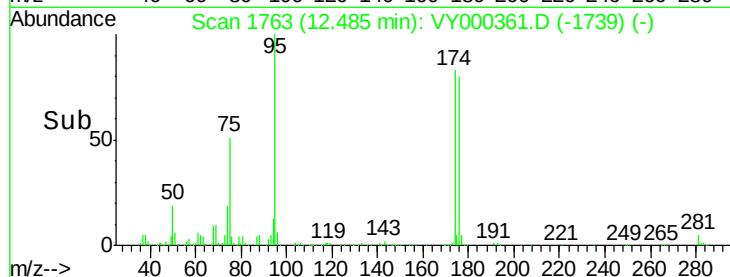
20000

10000

0

Time-->

12.40 12.45 12.50 12.55



#81

trans-1,4-Dichloro-2-butene

Concen: 94.095 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY000361.D

Acq: 22 Oct 2019 13:41

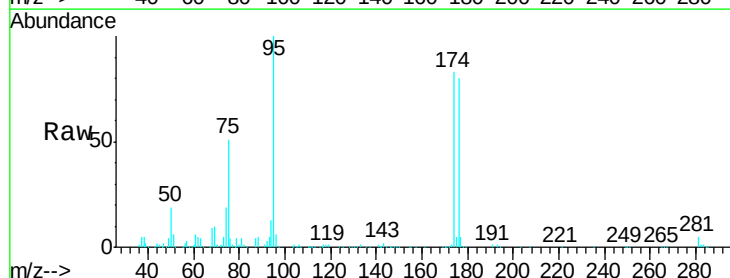
Tgt Ion: 75 Resp: 85791

Ion Ratio Lower Upper

75 100

53 0.0 71.3 106.9#

89 0.1 35.1 52.7#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

60000

40000

20000

0

Time-->

12.40 12.45 12.50 12.55

