

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY091919\
 Data File : VY000093.D
 Acq On : 19 Sep 2019 21:21
 Operator : SY/MD
 Sample : K4863-06
 Misc : 4.24g/5.00ml/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CSA-4-6-0.5

Quant Time: Sep 20 01:59:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 05:38:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	93300	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	192342	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	149044	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	45383	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	57682	53.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.48%	
35) Dibromofluoromethane	7.73	113	54815	47.07	ug/l	0.01
Spiked Amount	50.000		Recovery	=	94.14%	
50) Toluene-d8	10.18	98	220350	48.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.34%	
62) 4-Bromofluorobenzene	12.48	95	60392	35.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.12%	

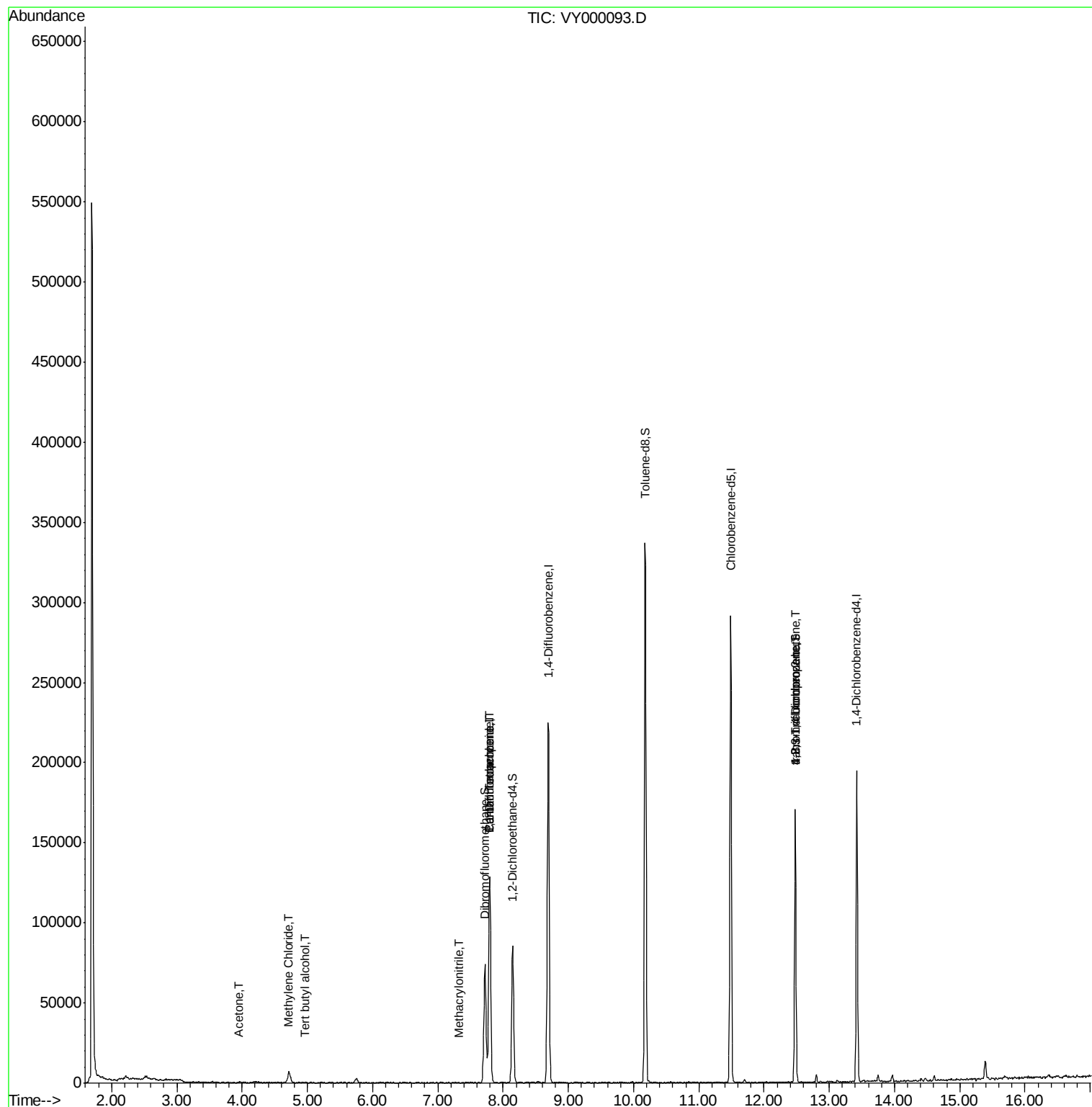
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.15	85	48	Below Cal	#	42
3) Chloromethane	2.11	50	528	Below Cal	#	63
5) Bromomethane	2.52	94	59	Below Cal	#	6
11) Tert butyl alcohol	4.96	59	143	1.124	ug/l #	73
13) Acrolein	3.79	56	33	Below Cal	#	52
16) Acetone	3.95	43	296	1.184	ug/l #	79
17) Carbon Disulfide	4.20	76	45	Below Cal	#	77
20) Methylene Chloride	4.72	84	4964	4.222	ug/l #	75
31) Cyclohexane	7.79	56	2871	Below Cal	#	63
36) 1,1-Dichloropropene	7.79	75	8633	6.003	ug/l #	47
38) Carbon Tetrachloride	7.79	117	9643	7.104	ug/l #	15
41) Methacrylonitrile	7.32	41	108	4.441	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	30904	48.398	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	30904	93.082	ug/l #	19

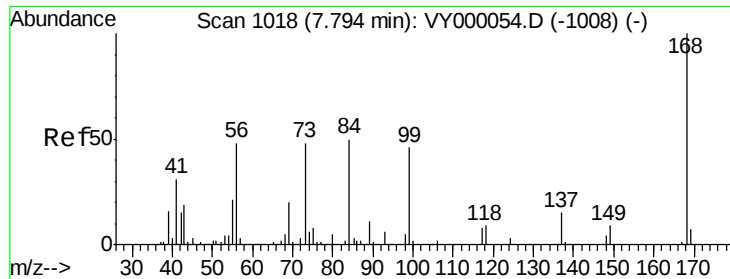
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY091919\
Data File : VY000093.D
Acq On : 19 Sep 2019 21:21
Operator : SY/MD
Sample : K4863-06
Misc : 4.24g/5.00ml/MSVOA_Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
CSA-4-6-0.5

Quant Time: Sep 20 01:59:10 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091719S.M
Quant Title : SW846 8260
QLast Update : Thu Sep 19 05:38:39 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VY000093.D

Acq: 19 Sep 2019 21:21

Instrument :

MSVOA_Y

ClientSampleId :

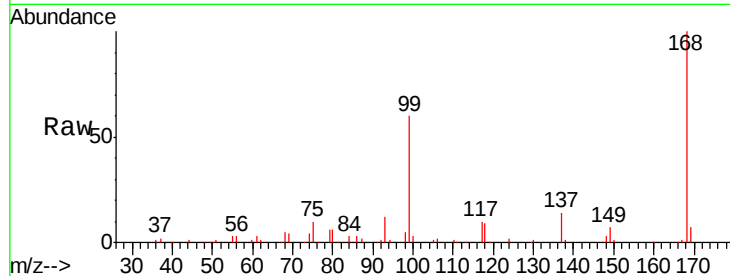
CSA-4-6-0.5

Tgt Ion:168 Resp: 93300

Ion Ratio Lower Upper

168 100

99 59.6 44.2 66.2

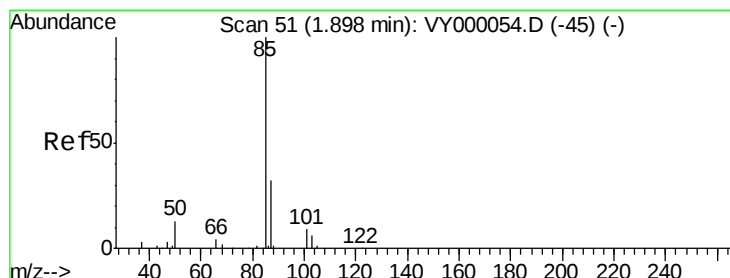
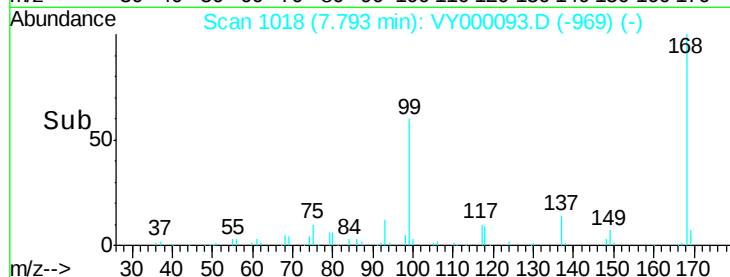


Abundance Ion 167.90 (167.60 to 168.60): VY000093.D (-969) (-)

Ion 98.90 (98.60 to 99.60): VY000093.D (-969) (-)

7.79

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.15 min Scan# 93

Delta R.T. 0.26 min

Lab File: VY000093.D

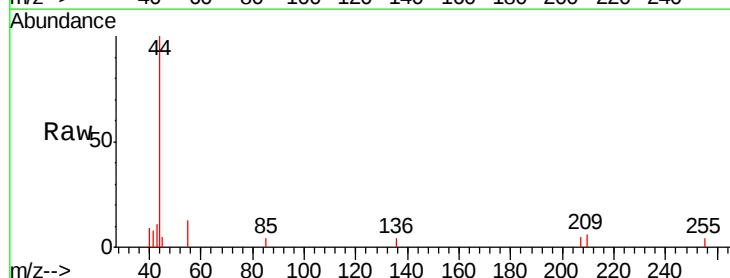
Acq: 19 Sep 2019 21:21

Tgt Ion: 85 Resp: 48

Ion Ratio Lower Upper

85 100

87 0.0 16.2 48.5#

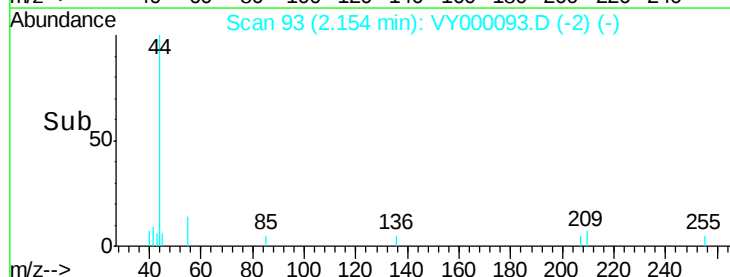


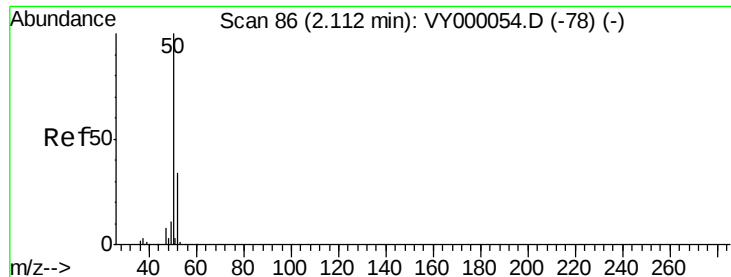
Abundance Ion 84.90 (84.60 to 85.60): VY000093.D (-2) (-)

Ion 86.90 (86.60 to 87.60): VY000093.D (-2) (-)

2.15

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 2.11 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY000093.D

Acq: 19 Sep 2019 21:21

Instrument :

MSVOA_Y

ClientSampled :

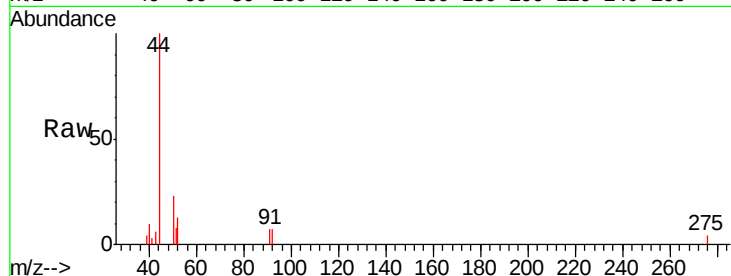
CSA-4-6-0.5

Tgt Ion: 50 Resp: 528

Ion Ratio Lower Upper

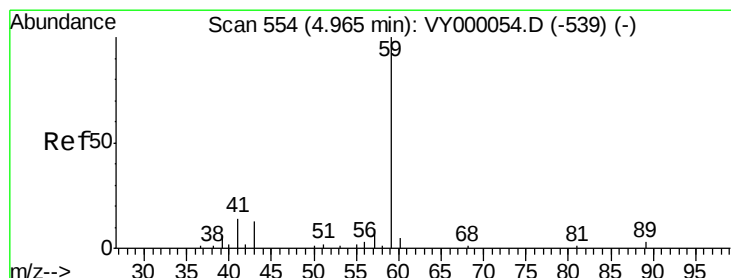
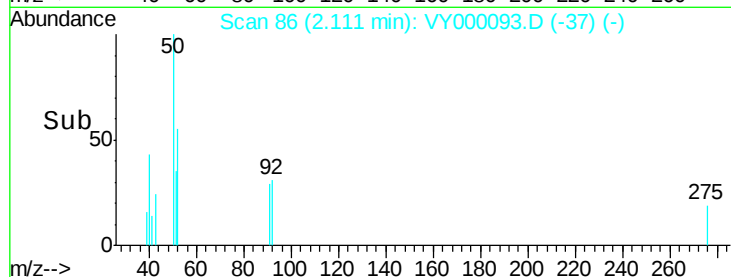
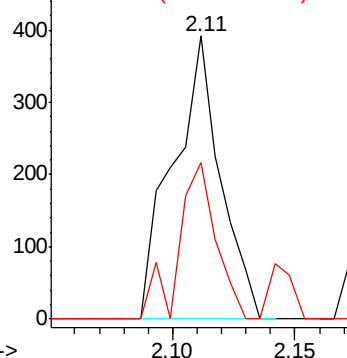
50 100

52 55.4 27.3 40.9#



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#11

Tert butyl alcohol

Concen: 1.124 ug/l

RT: 4.96 min Scan# 554

Delta R.T. 0.00 min

Lab File: VY000093.D

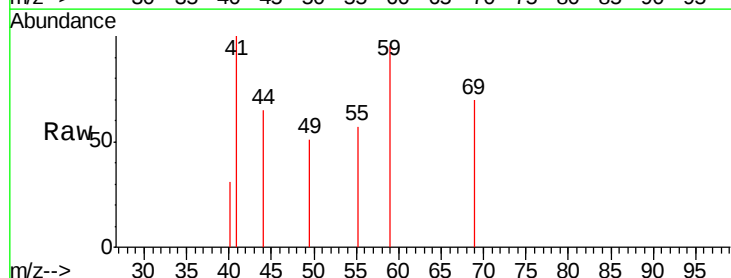
Acq: 19 Sep 2019 21:21

Tgt Ion: 59 Resp: 143

Ion Ratio Lower Upper

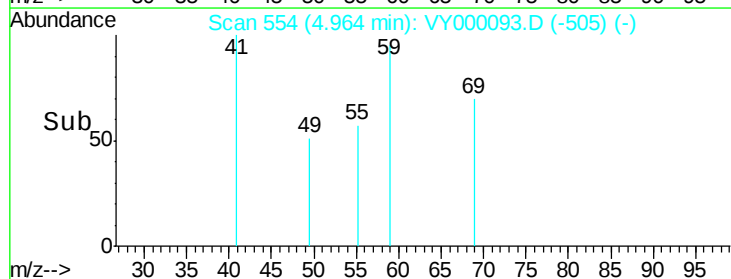
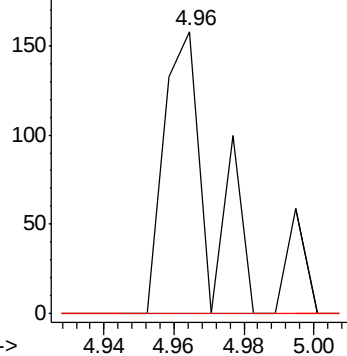
59 100

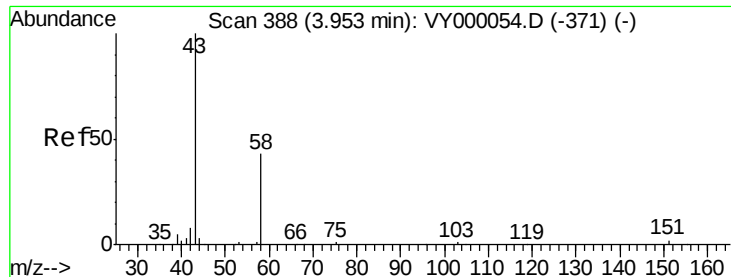
57 0.0 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VY0

Ion 57.00 (56.70 to 57.70): VY0





#16

Acetone

Concen: 1.184 ug/l

RT: 3.95 min Scan# 387

Delta R.T. -0.01 min

Lab File: VY000093.D

Acq: 19 Sep 2019 21:21

Instrument :

MSVOA_Y

ClientSampled :

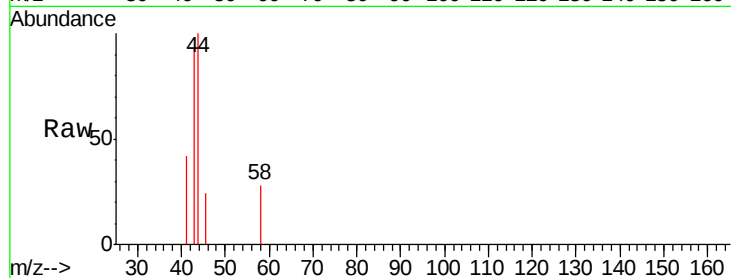
CSA-4-6-0.5

Tgt Ion: 43 Resp: 296

Ion Ratio Lower Upper

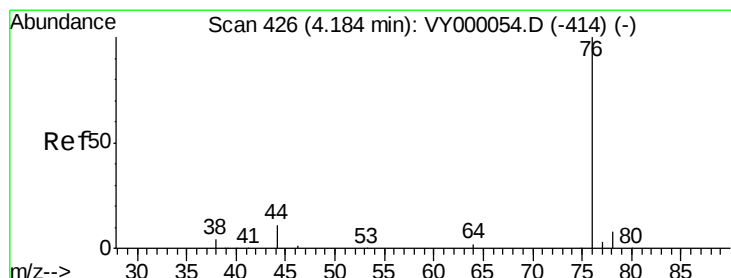
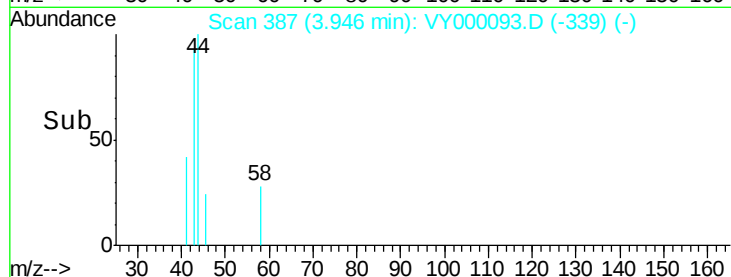
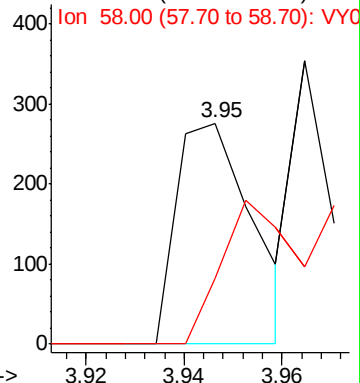
43 100

58 29.7 34.5 51.7#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.20 min Scan# 428

Delta R.T. 0.01 min

Lab File: VY000093.D

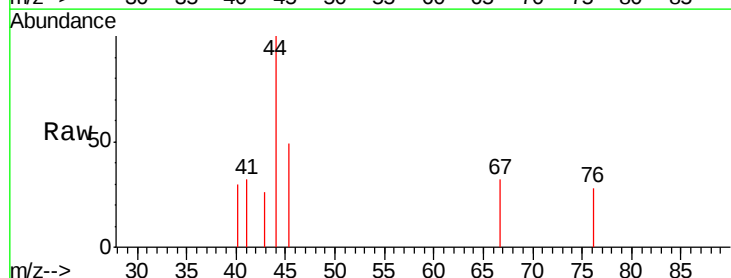
Acq: 19 Sep 2019 21:21

Tgt Ion: 76 Resp: 45

Ion Ratio Lower Upper

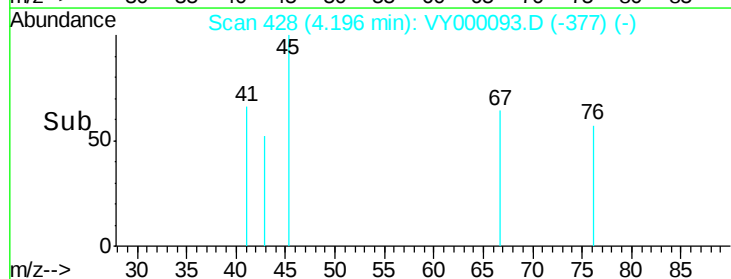
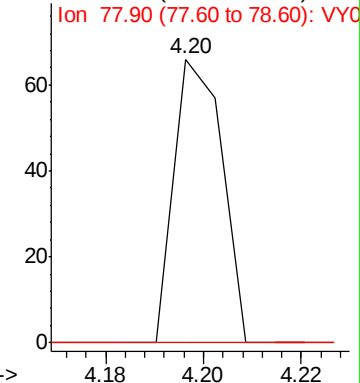
76 100

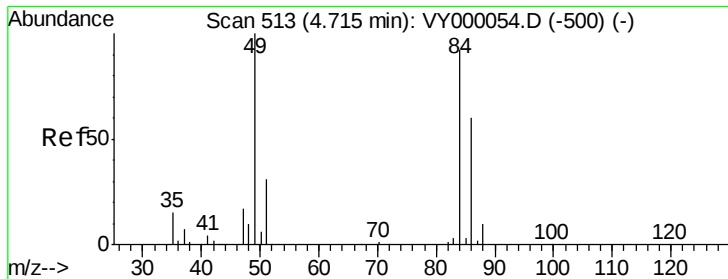
78 0.0 6.6 9.8#



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

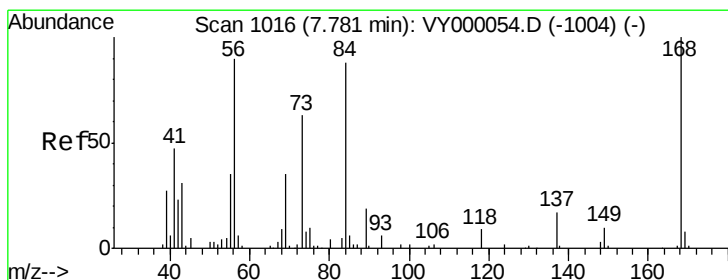
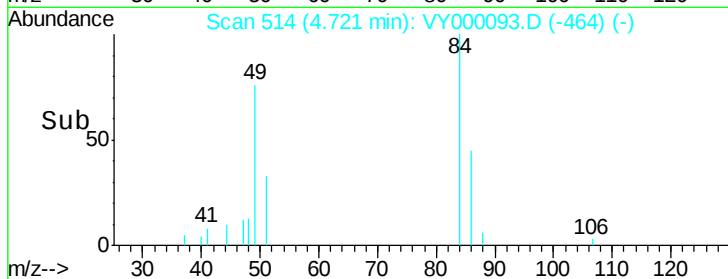
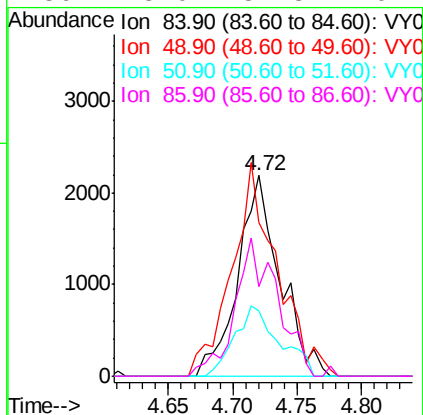
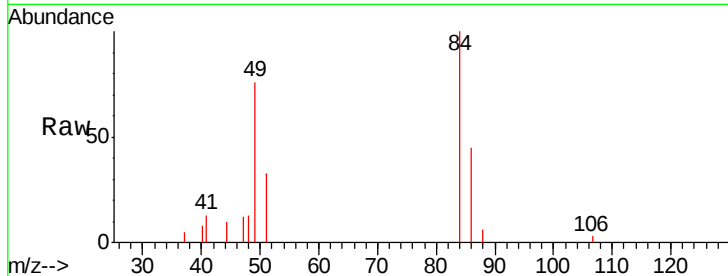




#20
Methylene Chloride
Concen: 4.222 ug/l
RT: 4.72 min Scan# 514
Delta R.T. 0.01 min
Lab File: VY000093.D
Acq: 19 Sep 2019 21:21

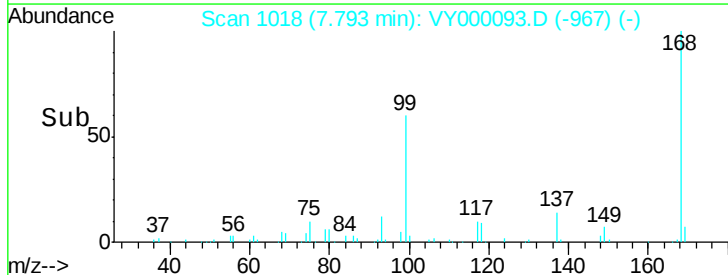
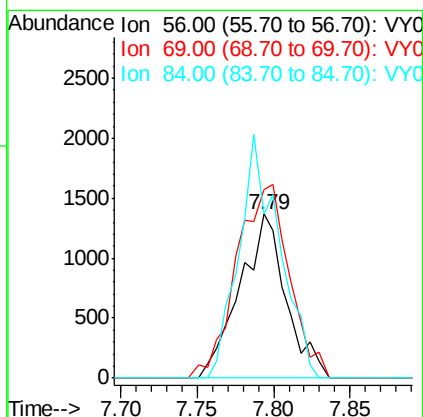
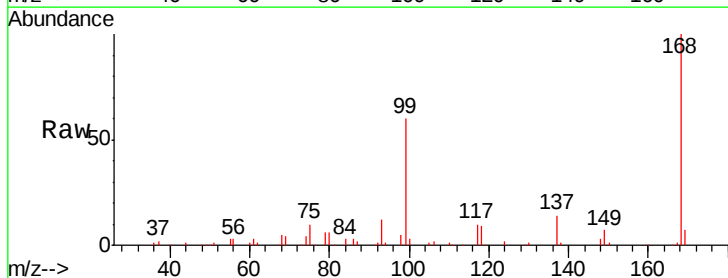
Instrument :
MSVOA_Y
ClientSampleId :
CSA-4-6-0.5

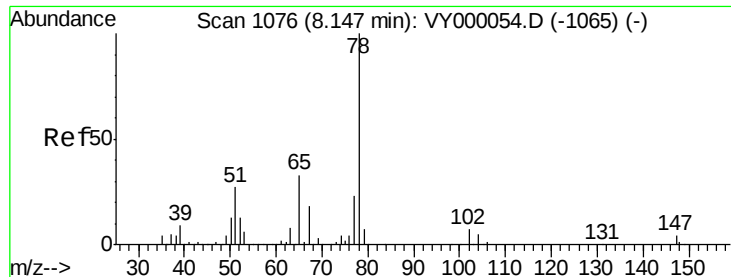
Tgt Ion: 84 Resp: 4964
Ion Ratio Lower Upper
84 100
49 76.5 87.4 131.0#
51 32.6 27.2 40.8
86 45.0 52.8 79.2#



#31
Cyclohexane
Concen: Below Cal
RT: 7.79 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VY000093.D
Acq: 19 Sep 2019 21:21

Tgt Ion: 56 Resp: 2871
Ion Ratio Lower Upper
56 100
69 114.8 30.9 46.3#
84 100.3 78.5 117.7





#33

1,2-Dichloroethane-d4

Concen: 53.736 ug/l

RT: 8.15 min Scan# 1076

Delta R.T. -0.00 min

Lab File: VY000093.D

Acq: 19 Sep 2019 21:21

Instrument :

MSVOA_Y

ClientSampleId :

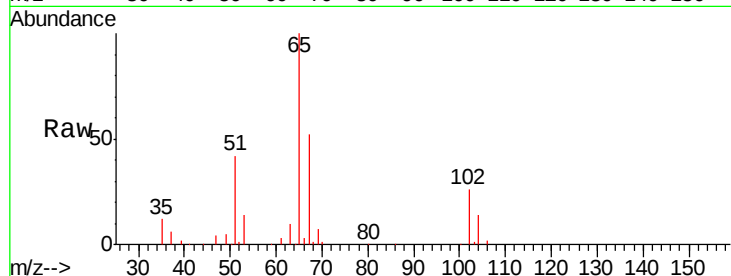
CSA-4-6-0.5

Tgt Ion: 65 Resp: 57682

Ion Ratio Lower Upper

65 100

67 55.6 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

8.15

30000

25000

20000

15000

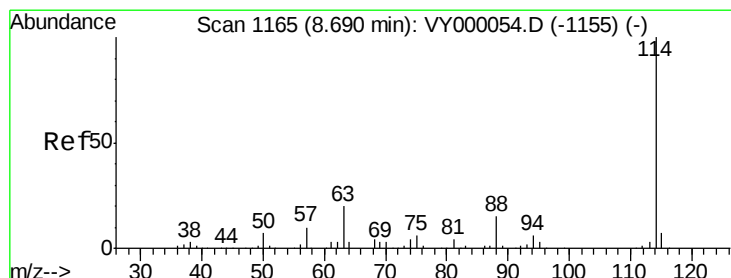
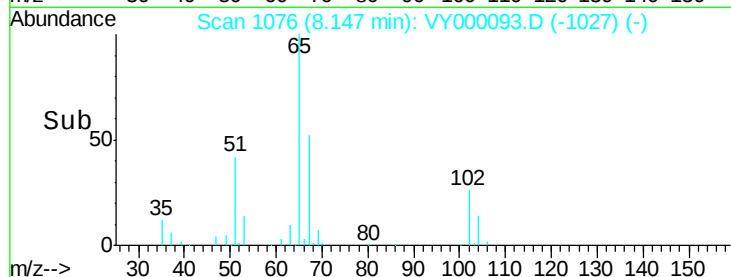
10000

5000

0

8.05 8.10 8.15 8.20 8.25

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1165

Delta R.T. -0.00 min

Lab File: VY000093.D

Acq: 19 Sep 2019 21:21

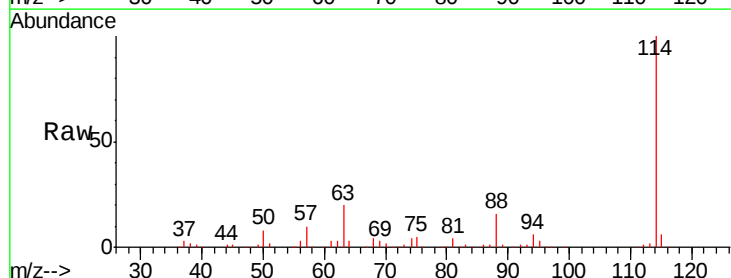
Tgt Ion: 114 Resp: 192342

Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.4

88 15.6 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

8.69

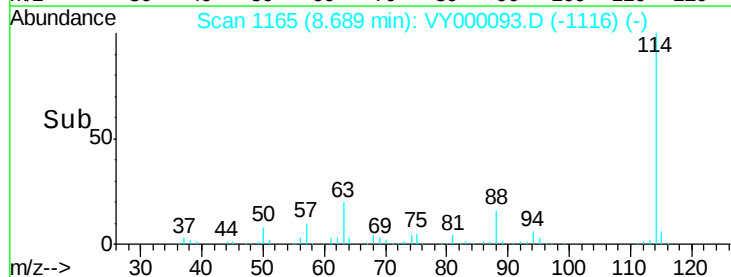
100000

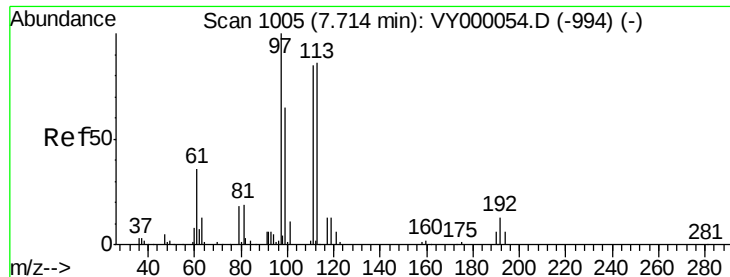
50000

0

8.60 8.70 8.80

Time-->

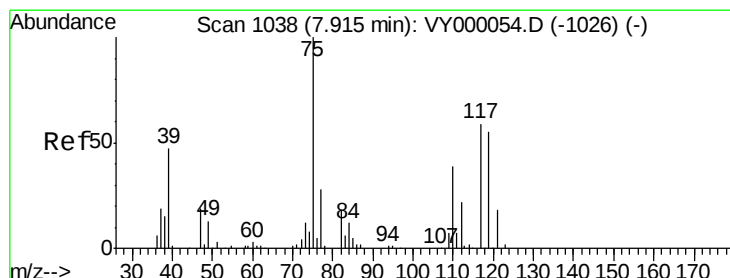
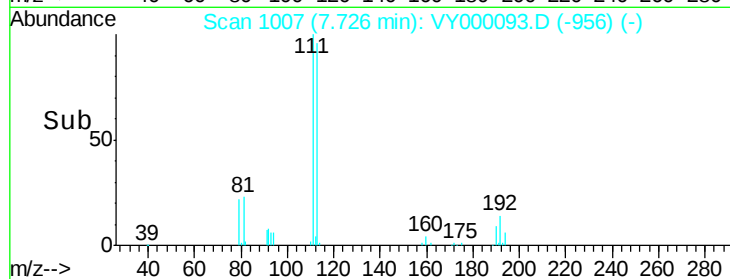
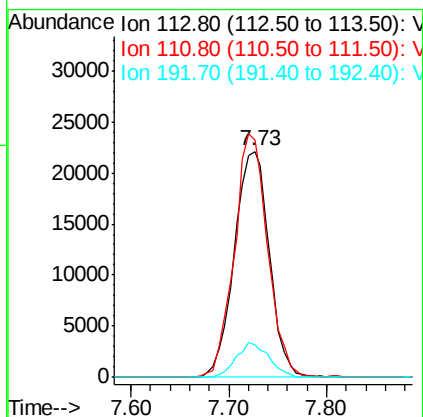
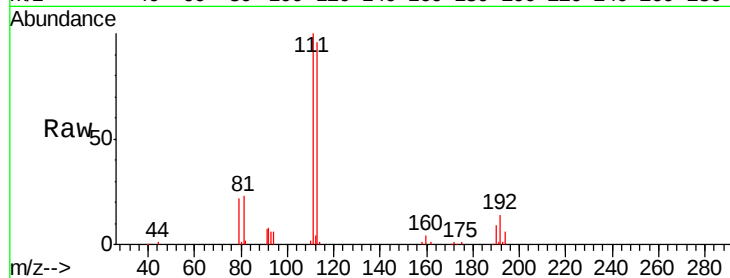




#35
 Dibromofluoromethane
 Concen: 47.068 ug/l
 RT: 7.73 min Scan# 1007
 Delta R.T. 0.01 min
 Lab File: VY000093.D
 Acq: 19 Sep 2019 21:21

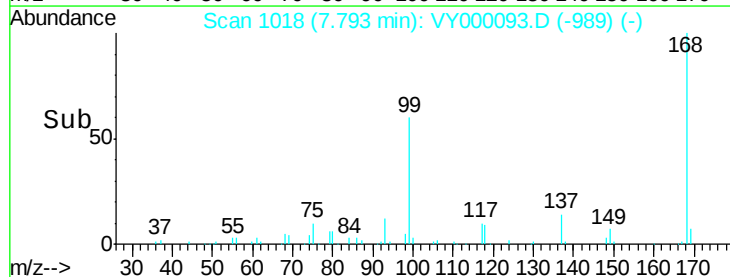
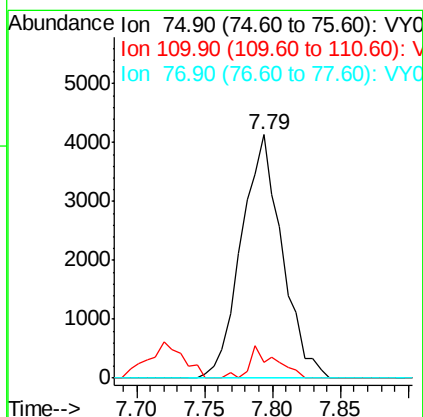
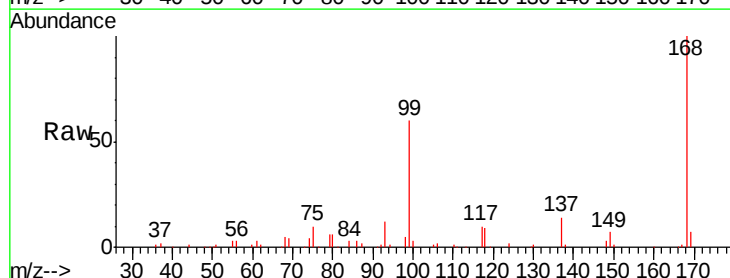
Instrument :
 MSVOA_Y
 ClientSampleId :
 CSA-4-6-0.5

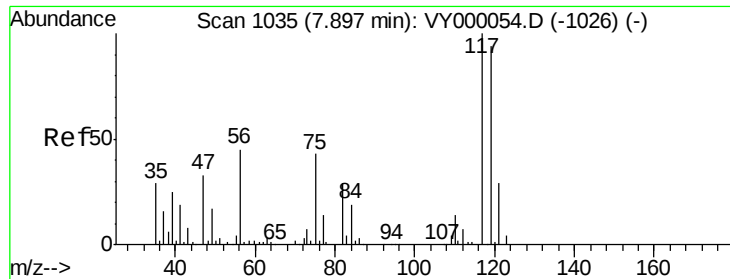
Tgt Ion: 113 Resp: 54815
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.7 122.5
 192 14.6 13.4 20.2



#36
 1,1-Dichloropropene
 Concen: 6.003 ug/l
 RT: 7.79 min Scan# 1018
 Delta R.T. -0.12 min
 Lab File: VY000093.D
 Acq: 19 Sep 2019 21:21

Tgt Ion: 75 Resp: 8633
 Ion Ratio Lower Upper
 75 100
 110 8.4 19.6 58.7#
 77 0.0 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 7.104 ug/l

RT: 7.79 min Scan# 1018

Delta R.T. -0.10 min

Lab File: VY000093.D

Acq: 19 Sep 2019 21:21

Instrument :

MSVOA_Y

ClientSampleId :

CSA-4-6-0.5

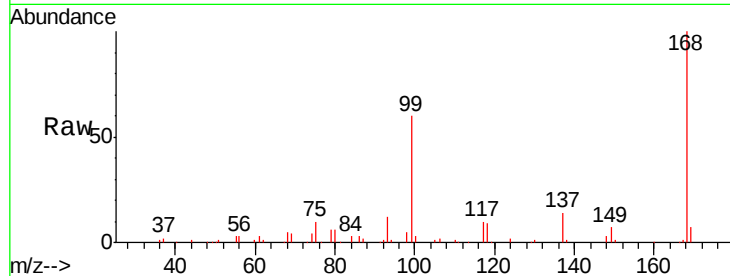
Tgt Ion: 117 Resp: 9643

Ion Ratio Lower Upper

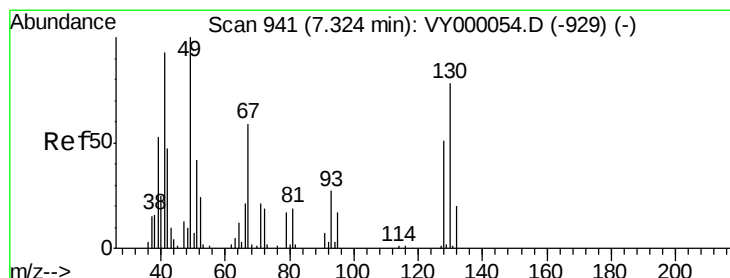
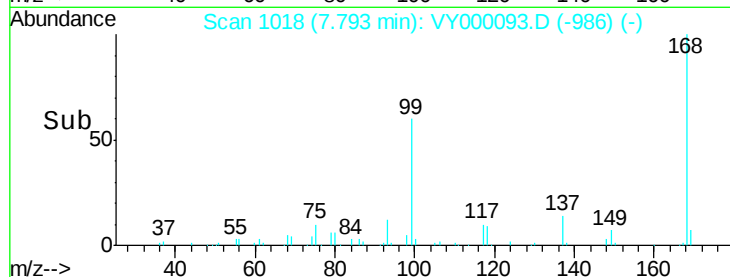
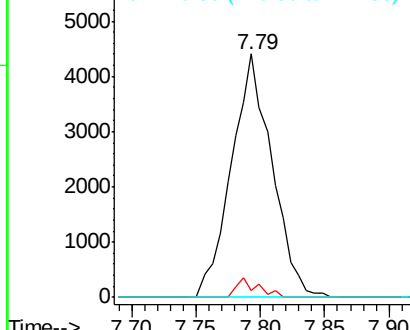
117 100

119 2.6 75.0 112.6#

121 0.0 22.8 34.2#



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



#41

Methacrylonitrile

Concen: 4.441 ug/l

RT: 7.32 min Scan# 941

Delta R.T. -0.00 min

Lab File: VY000093.D

Acq: 19 Sep 2019 21:21

Tgt Ion: 41 Resp: 108

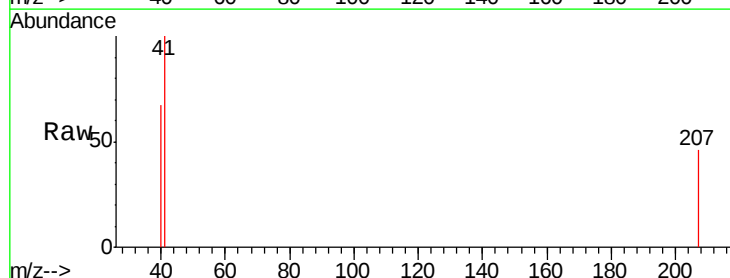
Ion Ratio Lower Upper

41 100

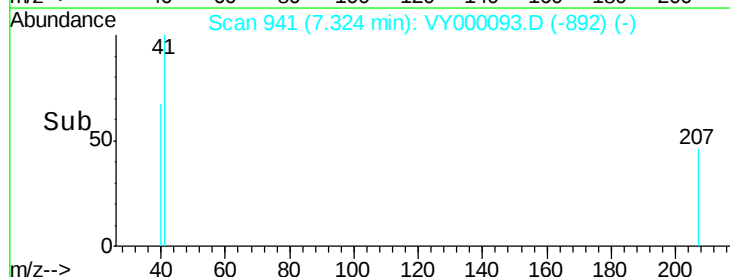
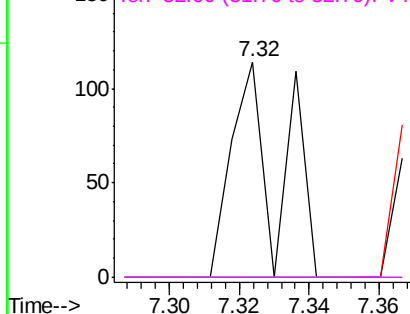
39 0.0 91.8 137.6#

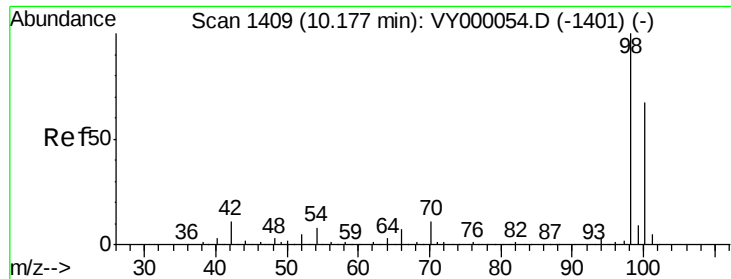
67 0.0 0.0 0.0

52 0.0 0.0 0.0



Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0





#50

Toluene-d8

Concen: 48.173 ug/l

RT: 10.18 min Scan# 1409

Delta R.T. -0.00 min

Lab File: VY000093.D

Acq: 19 Sep 2019 21:21

Instrument :

MSVOA_Y

ClientSampleId :

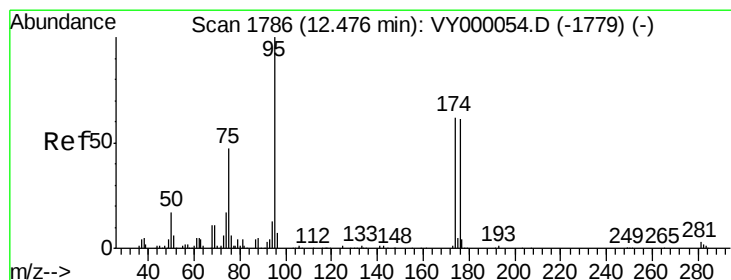
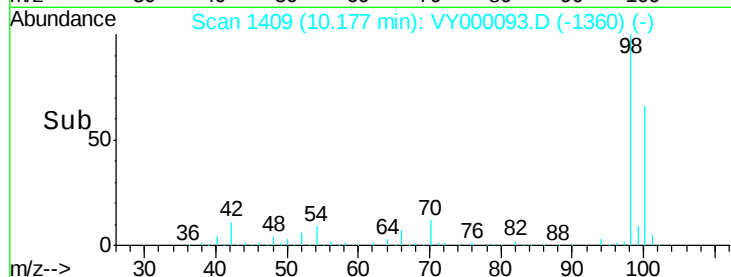
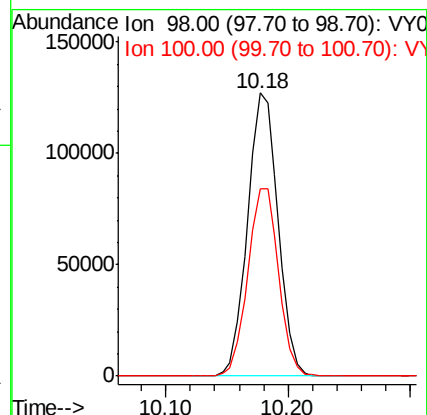
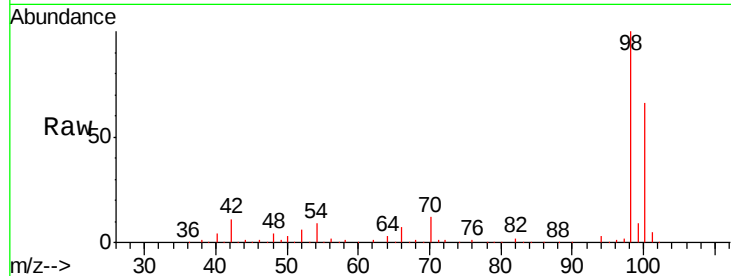
CSA-4-6-0.5

Tgt Ion: 98 Resp: 220350

Ion Ratio Lower Upper

98 100

100 67.2 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 35.561 ug/l

RT: 12.48 min Scan# 1787

Delta R.T. 0.01 min

Lab File: VY000093.D

Acq: 19 Sep 2019 21:21

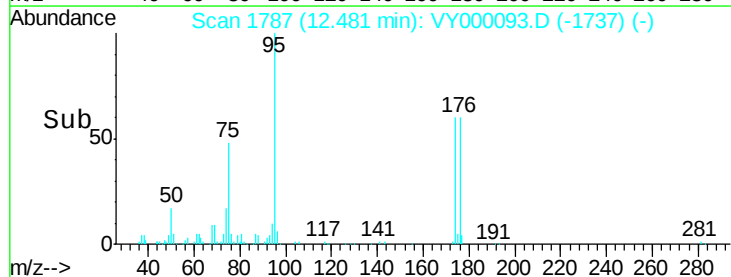
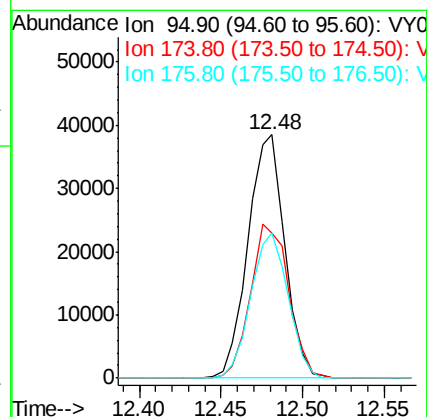
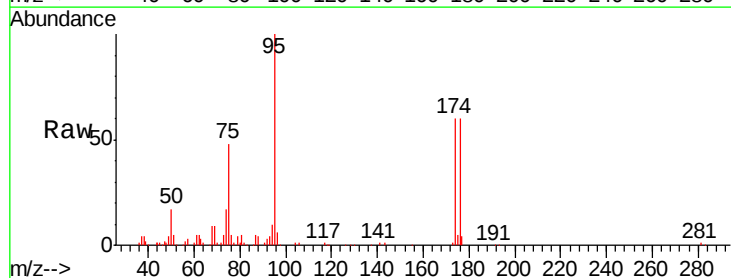
Tgt Ion: 95 Resp: 60392

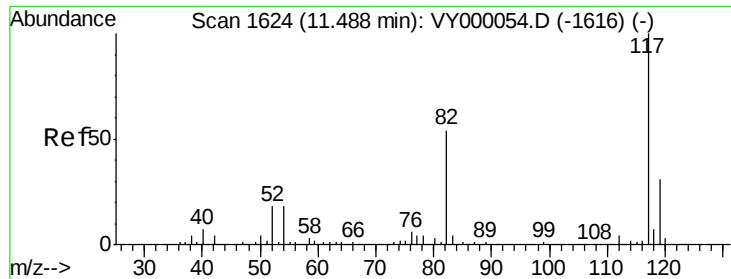
Ion Ratio Lower Upper

95 100

174 65.7 0.0 137.2

176 60.5 0.0 135.0

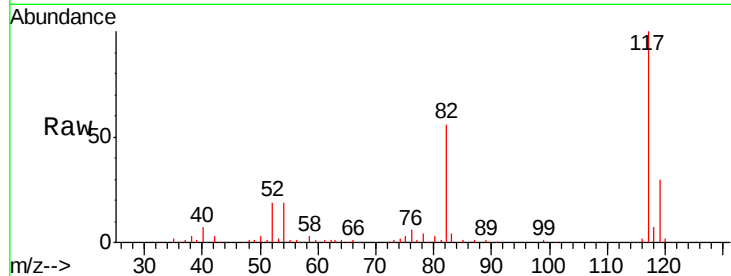




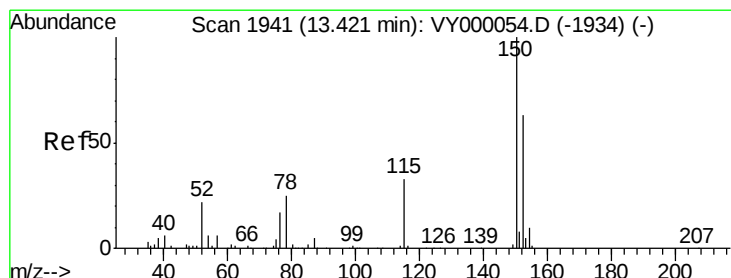
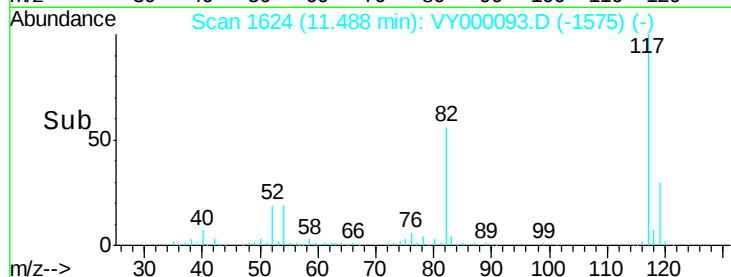
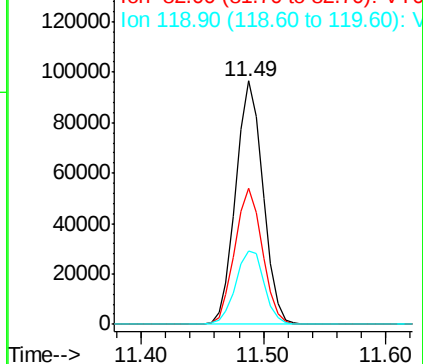
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1624
Delta R.T. -0.00 min
Lab File: VY000093.D
Acq: 19 Sep 2019 21:21

Instrument :
MSVOA_Y
ClientSampleId :
CSA-4-6-0.5

Tgt Ion:117 Resp: 149044
Ion Ratio Lower Upper
117 100
82 55.7 43.5 65.3
119 30.3 24.6 36.8

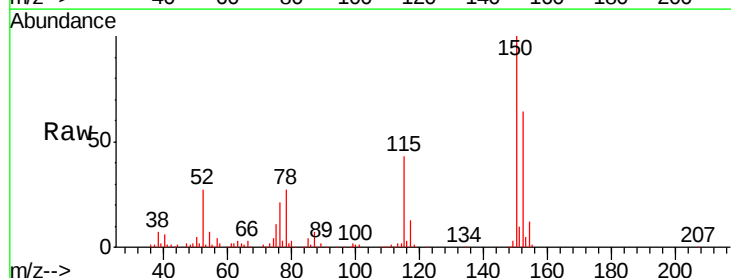


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

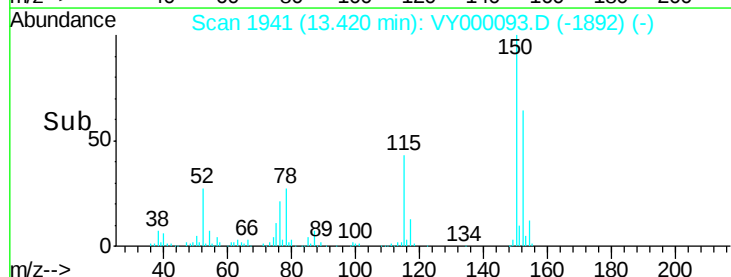
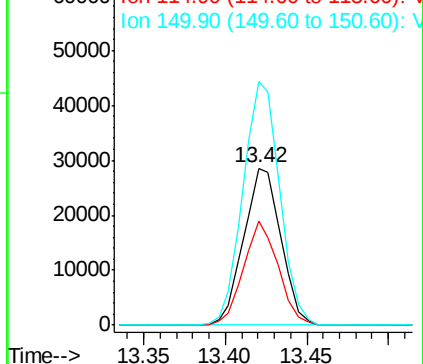


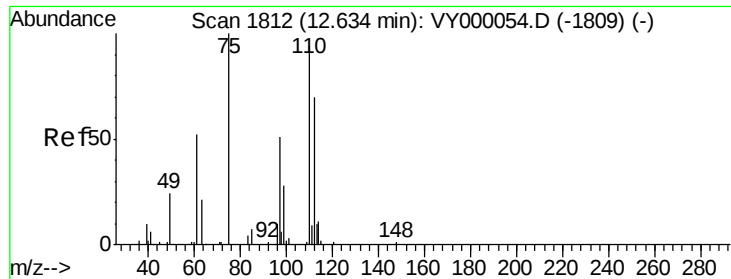
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1941
Delta R.T. -0.00 min
Lab File: VY000093.D
Acq: 19 Sep 2019 21:21

Tgt Ion:152 Resp: 45383
Ion Ratio Lower Upper
152 100
115 61.7 30.7 92.1
150 152.7 0.0 351.6



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: 48.398 ug/l

RT: 12.48 min Scan# 1787

Delta R.T. -0.15 min

Lab File: VY000093.D

Acq: 19 Sep 2019 21:21

Instrument :

MSVOA_Y

ClientSampled :

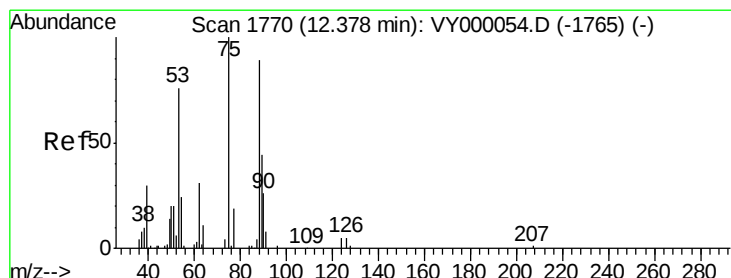
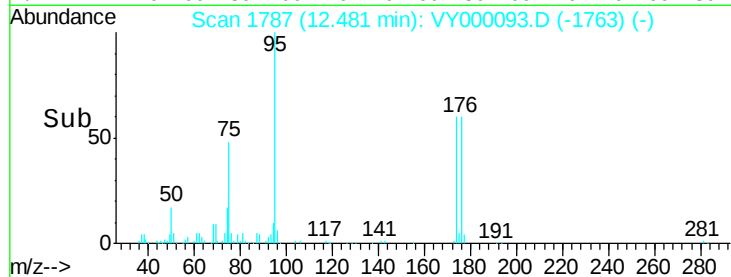
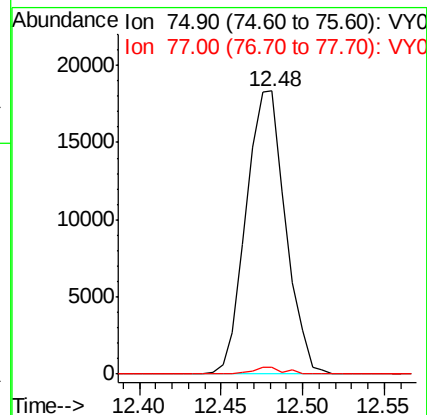
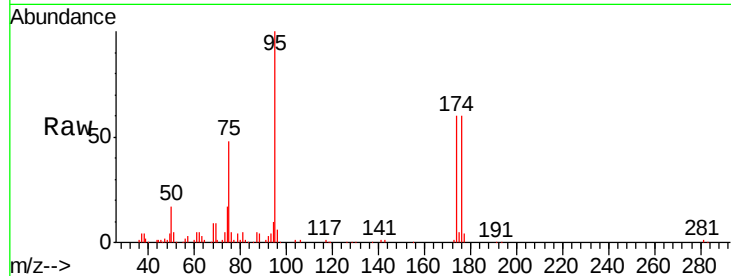
CSA-4-6-0.5

Tgt Ion: 75 Resp: 30904

Ion Ratio Lower Upper

75 100

77 2.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 93.082 ug/l

RT: 12.48 min Scan# 1787

Delta R.T. 0.10 min

Lab File: VY000093.D

Acq: 19 Sep 2019 21:21

Tgt Ion: 75 Resp: 30904

Ion Ratio Lower Upper

75 100

53 0.0 60.9 91.3#

89 0.0 35.3 52.9#

