

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY091919\
 Data File : VY000076.D
 Acq On : 19 Sep 2019 14:48
 Operator : SY/MD
 Sample : K4878-04
 Misc : 5.40g/5.00ml/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CSA-2-6-2

Quant Time: Sep 20 01:55:27 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	107515	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	213887	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	155954	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	46656	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	63105	51.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.04%	
35) Dibromofluoromethane	7.72	113	61082	47.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.34%	
50) Toluene-d8	10.18	98	234225	46.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.10%	
62) 4-Bromofluorobenzene	12.48	95	61607	32.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	65.24%	

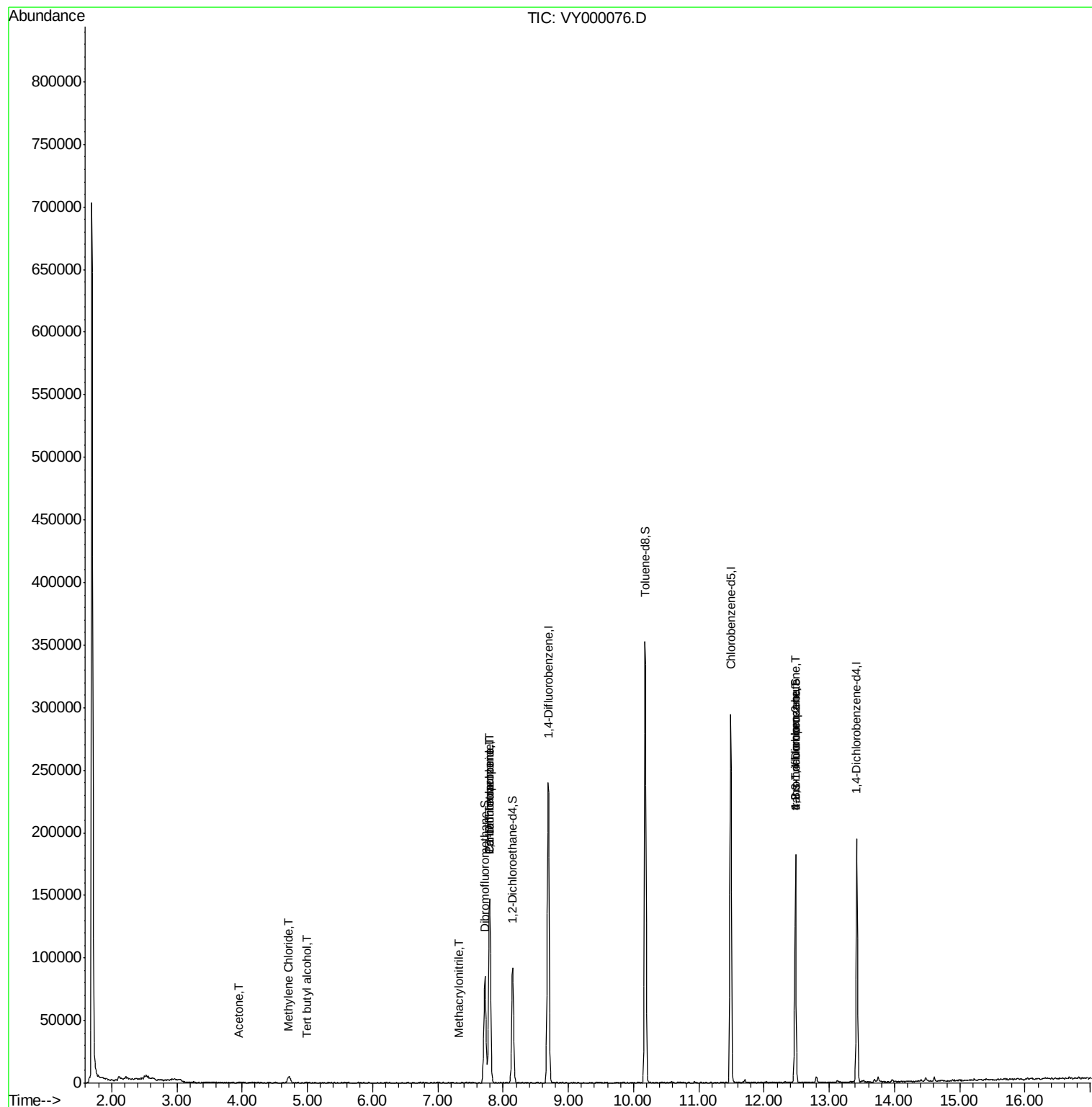
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.88	85	34	Below Cal	# 42
3) Chloromethane	2.11	50	1881	Below Cal	# 84
5) Bromomethane	2.70	94	38	Below Cal	# 6
11) Tert butyl alcohol	4.98	59	373	2.544 ug/l	# 73
13) Acrolein	3.68	56	22	Below Cal	# 1
16) Acetone	3.95	43	301	1.045 ug/l	# 33
17) Carbon Disulfide	4.19	76	25	Below Cal	# 77
20) Methylene Chloride	4.71	84	4173	3.080 ug/l	# 81
31) Cyclohexane	7.79	56	2947	Below Cal	# 22
36) 1,1-Dichloropropene	7.79	75	9232	5.772 ug/l	# 48
38) Carbon Tetrachloride	7.79	117	11747	7.782 ug/l	# 15
41) Methacrylonitrile	7.33	41	86	4.403 ug/l	# 1
76) 1,2,3-Trichloropropane	12.48	75	30507	46.473 ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.48	75	30507	89.379 ug/l	# 19

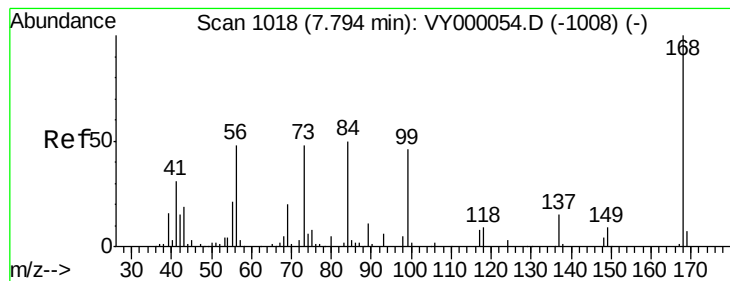
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VY000076.D

Acq: 19 Sep 2019 14:48

Instrument :

MSVOA_Y

ClientSampleId :

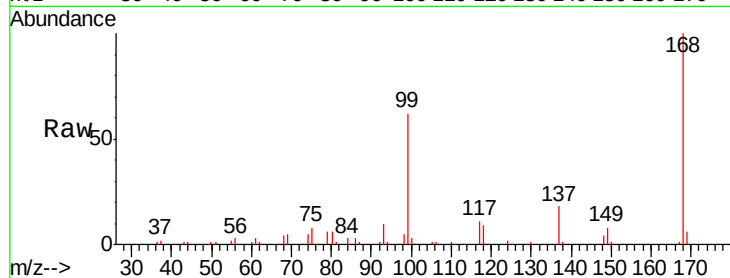
CSA-2-6-2

Tgt Ion:168 Resp: 107515

Ion Ratio Lower Upper

168 100

99 62.2 44.2 66.2



Abundance Ion 167.90 (167.60 to 168.60): VY000054.D (-1008) (-)

Ion 98.90 (98.60 to 99.60): VY000054.D (-1008) (-)

7.79

50000

40000

30000

20000

10000

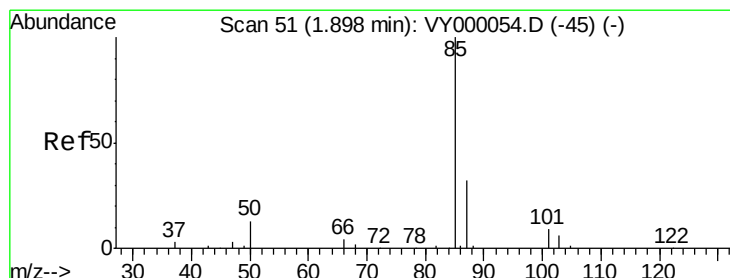
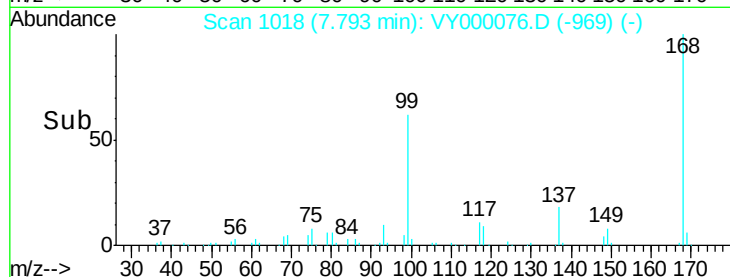
0

7.70

7.80

7.90

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.88 min Scan# 48

Delta R.T. -0.02 min

Lab File: VY000076.D

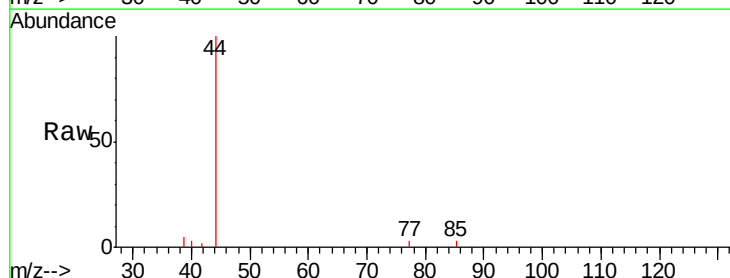
Acq: 19 Sep 2019 14:48

Tgt Ion: 85 Resp: 34

Ion Ratio Lower Upper

85 100

87 0.0 16.2 48.5#



Abundance Ion 84.90 (84.60 to 85.60): VY000054.D (-45) (-)

Ion 86.90 (86.60 to 87.60): VY000054.D (-45) (-)

1.88

100

80

60

40

20

0

1.86

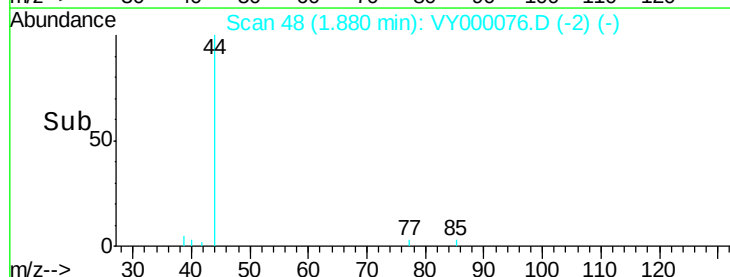
1.87

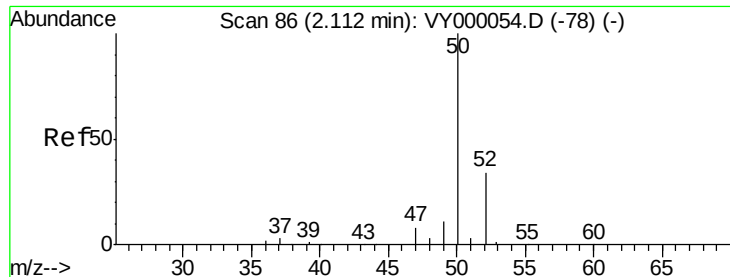
1.88

1.89

1.90

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 2.11 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY000076.D

Acq: 19 Sep 2019 14:48

Instrument :

MSVOA_Y

ClientSampled :

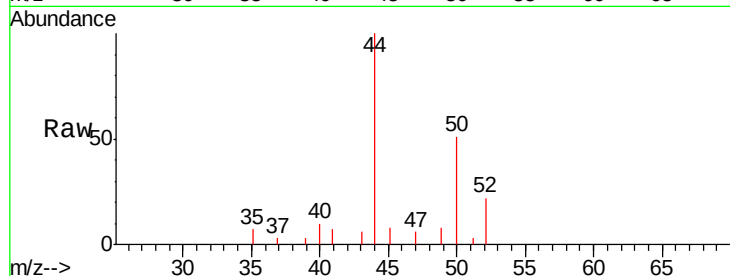
CSA-2-6-2

Tgt Ion: 50 Resp: 1881

Ion Ratio Lower Upper

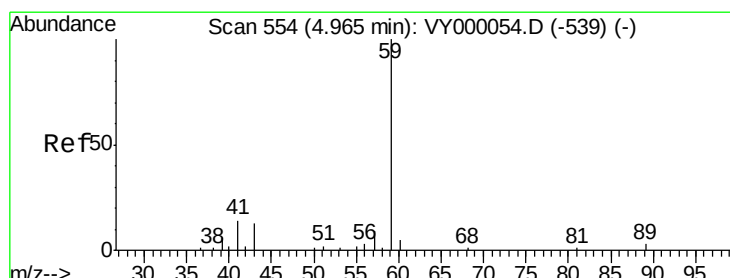
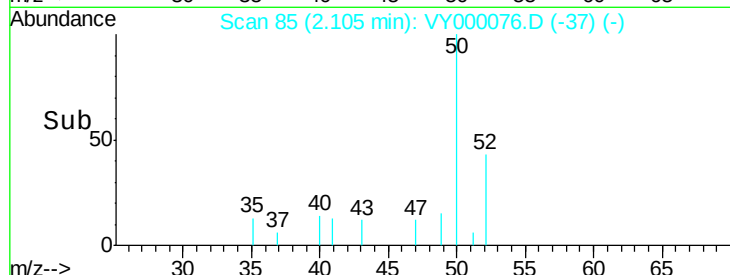
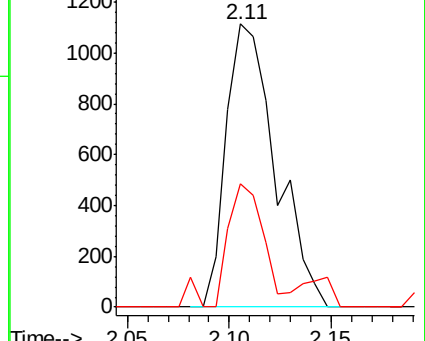
50 100

52 43.5 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: 2.544 ug/l

RT: 4.98 min Scan# 557

Delta R.T. 0.02 min

Lab File: VY000076.D

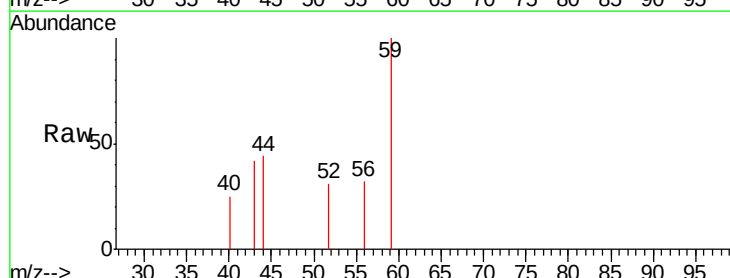
Acq: 19 Sep 2019 14:48

Tgt Ion: 59 Resp: 373

Ion Ratio Lower Upper

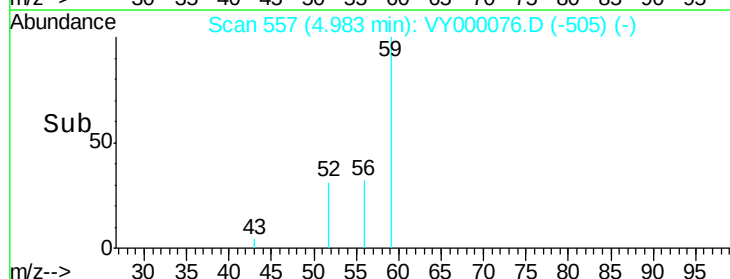
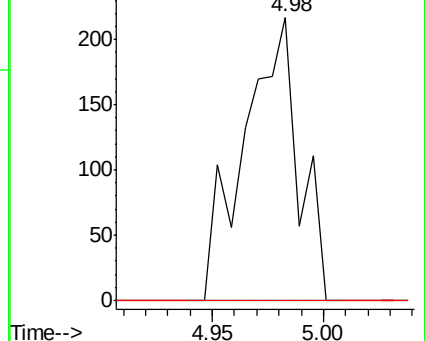
59 100

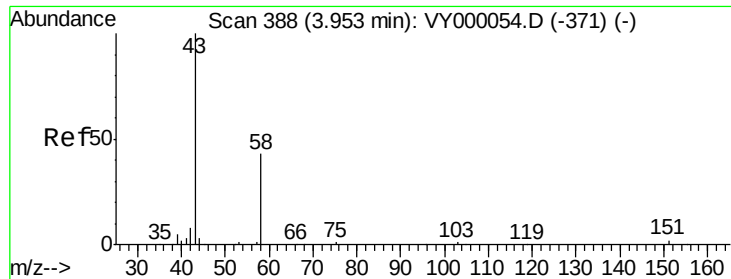
57 0.0 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VY0

Ion 57.00 (56.70 to 57.70): VY0





#16

Acetone

Concen: 1.045 ug/l

RT: 3.95 min Scan# 388

Delta R.T. -0.00 min

Lab File: VY000076.D

Acq: 19 Sep 2019 14:48

Instrument :

MSVOA_Y

ClientSampleId :

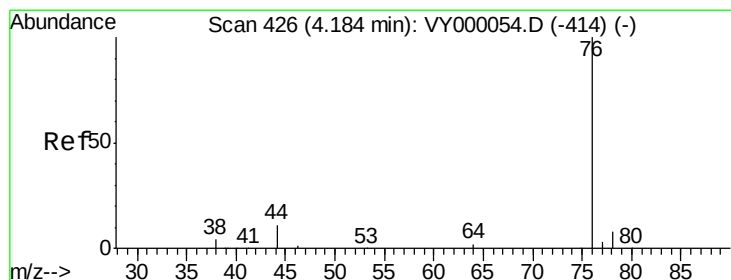
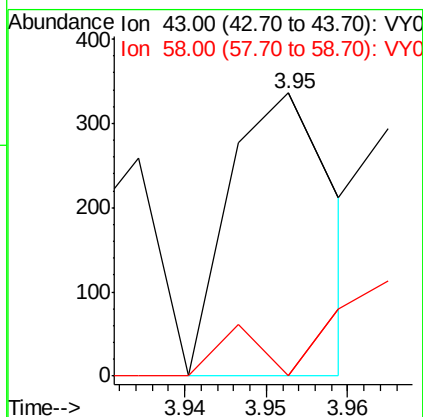
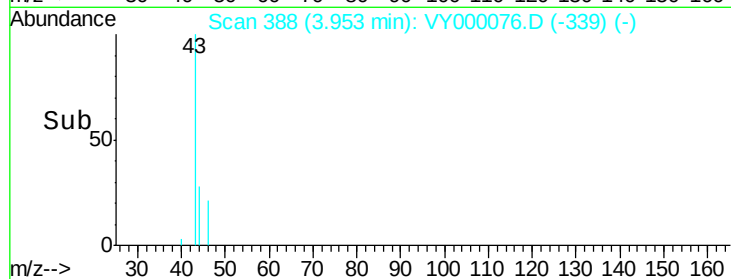
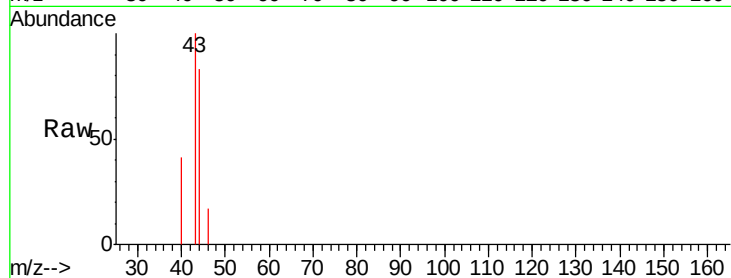
CSA-2-6-2

Tgt Ion: 43 Resp: 301

Ion Ratio Lower Upper

43 100

58 0.0 34.5 51.7#



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.19 min Scan# 427

Delta R.T. 0.01 min

Lab File: VY000076.D

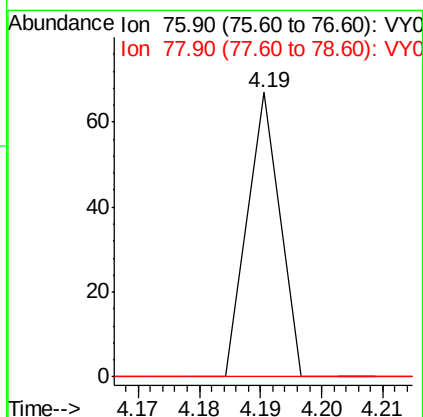
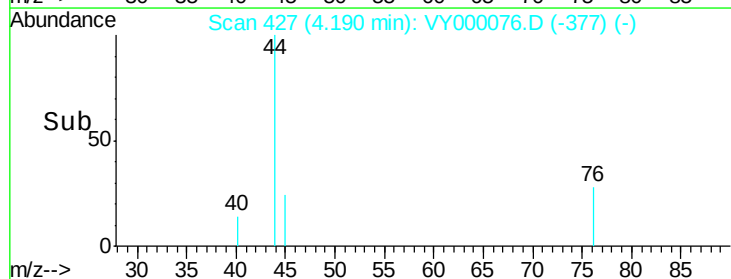
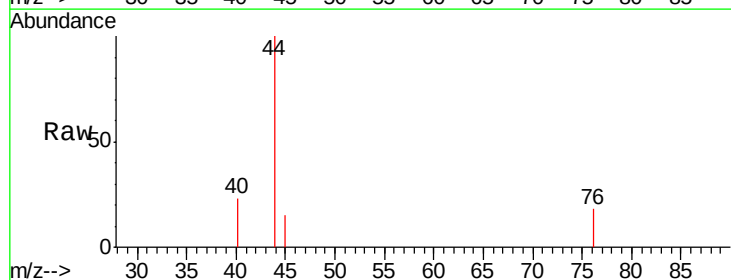
Acq: 19 Sep 2019 14:48

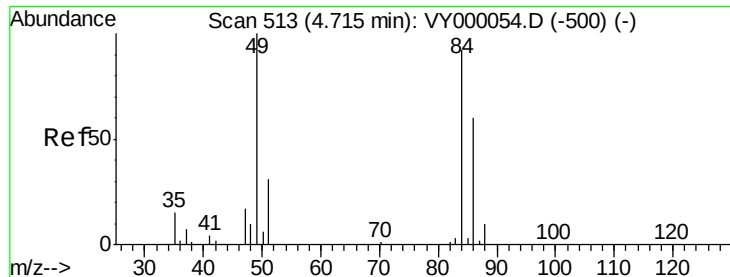
Tgt Ion: 76 Resp: 25

Ion Ratio Lower Upper

76 100

78 0.0 6.6 9.8#

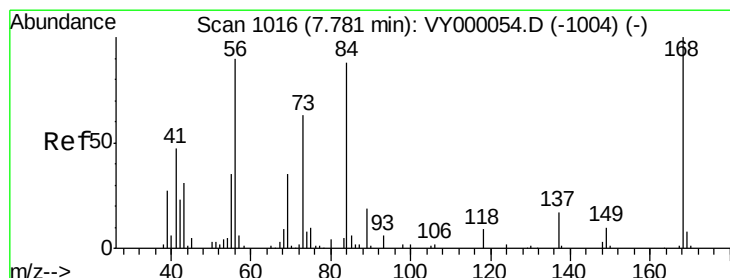
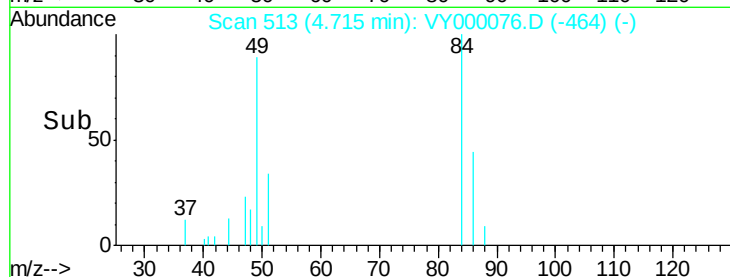
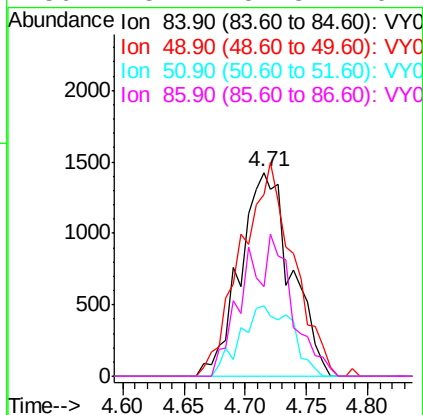
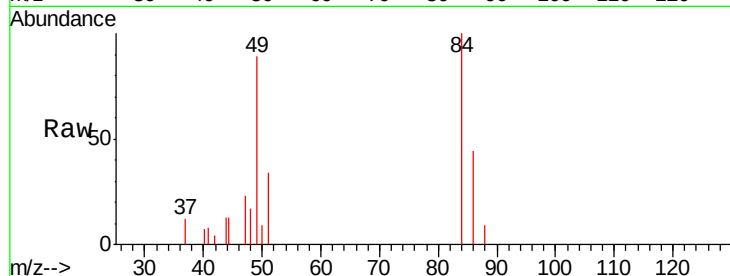




#20
Methylene Chloride
Concen: 3.080 ug/l
RT: 4.71 min Scan# 513
Delta R.T. -0.00 min
Lab File: VY000076.D
Acq: 19 Sep 2019 14:48

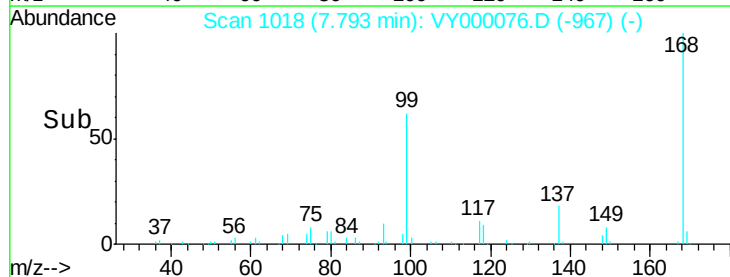
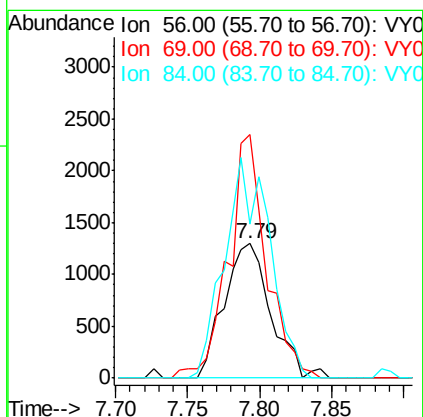
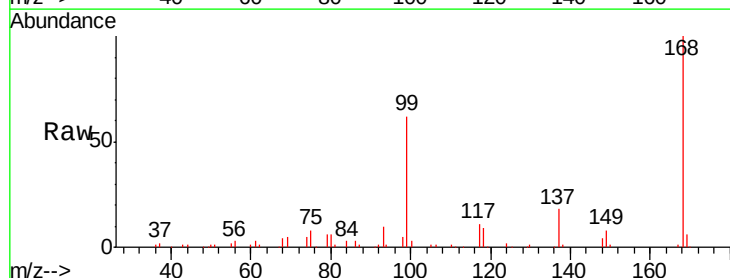
Instrument :
MSVOA_Y
ClientSampleId :
CSA-2-6-2

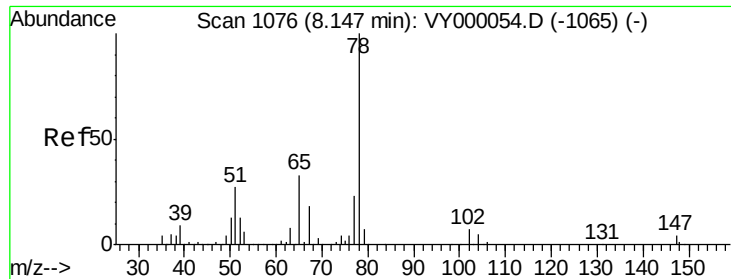
Tgt Ion: 84 Resp: 4173
Ion Ratio Lower Upper
84 100
49 88.9 87.4 131.0
51 34.3 27.2 40.8
86 43.7 52.8 79.2#



#31
Cyclohexane
Concen: Below Cal
RT: 7.79 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VY000076.D
Acq: 19 Sep 2019 14:48

Tgt Ion: 56 Resp: 2947
Ion Ratio Lower Upper
56 100
69 181.4 30.9 46.3#
84 114.6 78.5 117.7

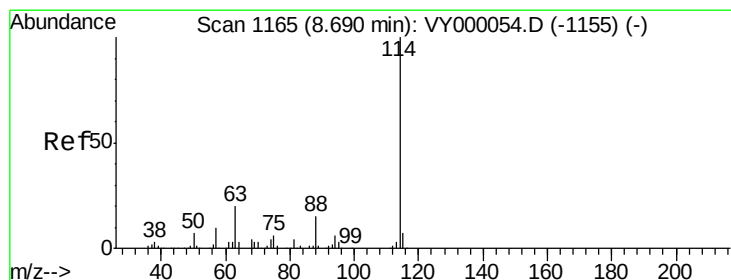
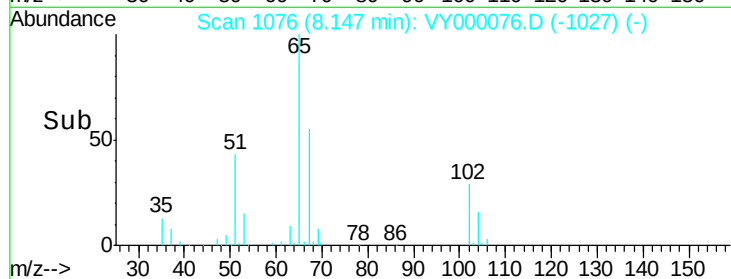
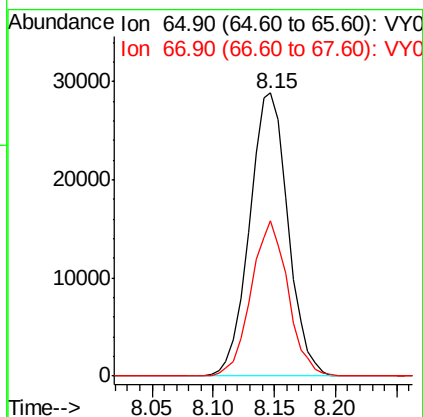
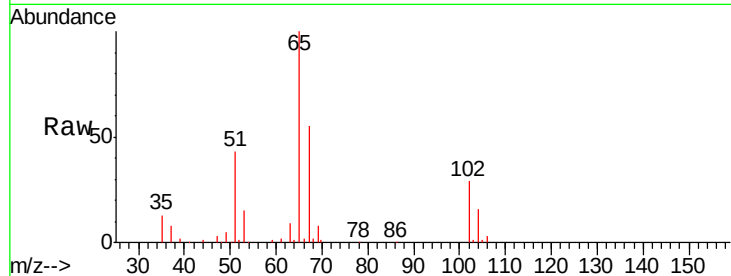




#33
 1,2-Dichloroethane-d4
 Concen: 51.016 ug/l
 RT: 8.15 min Scan# 1076
 Delta R.T. -0.00 min
 Lab File: VY000076.D
 Acq: 19 Sep 2019 14:48

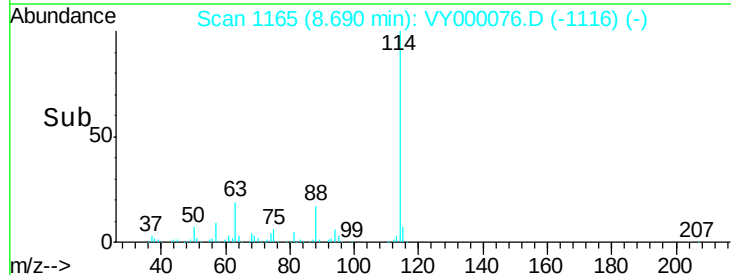
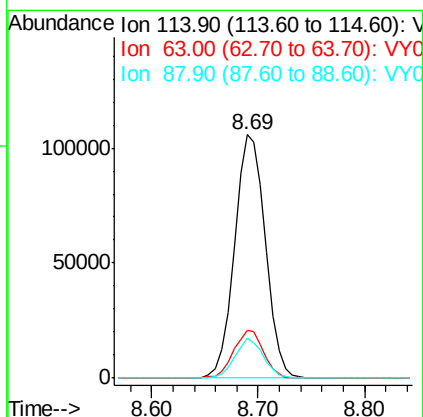
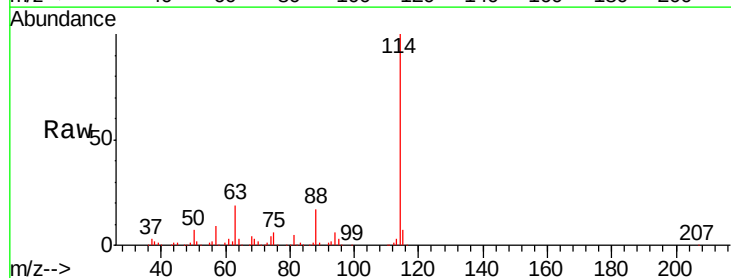
Instrument :
 MSVOA_Y
 ClientSampleId :
 CSA-2-6-2

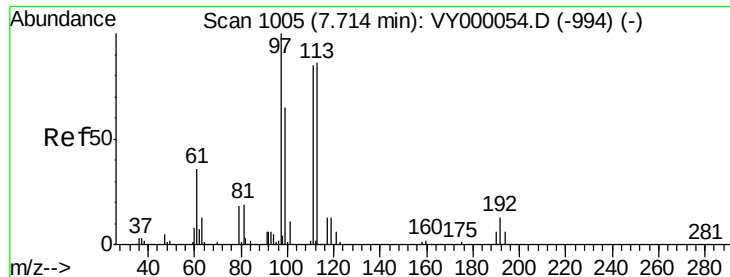
Tgt Ion: 65 Resp: 63105
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1165
 Delta R.T. -0.00 min
 Lab File: VY000076.D
 Acq: 19 Sep 2019 14:48

Tgt Ion: 114 Resp: 213887
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 39.4
 88 16.6 0.0 30.2

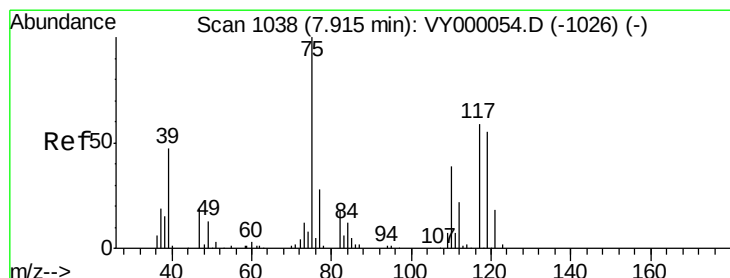
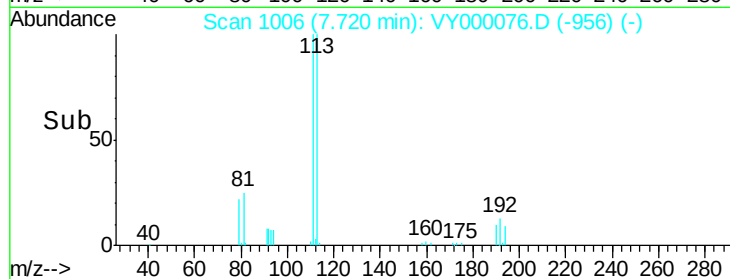
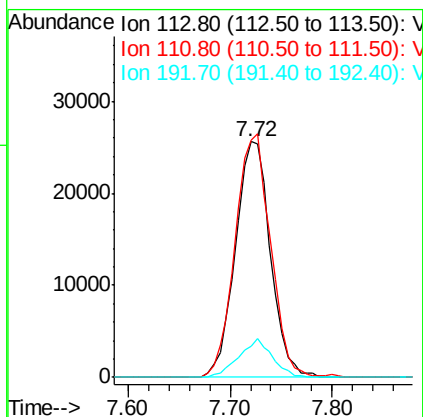
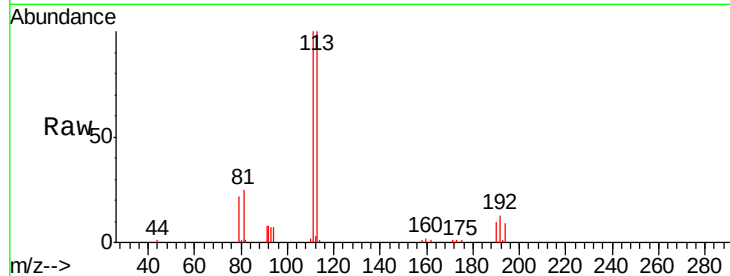




#35
 Dibromofluoromethane
 Concen: 47.166 ug/l
 RT: 7.72 min Scan# 1006
 Delta R.T. 0.01 min
 Lab File: VY000076.D
 Acq: 19 Sep 2019 14:48

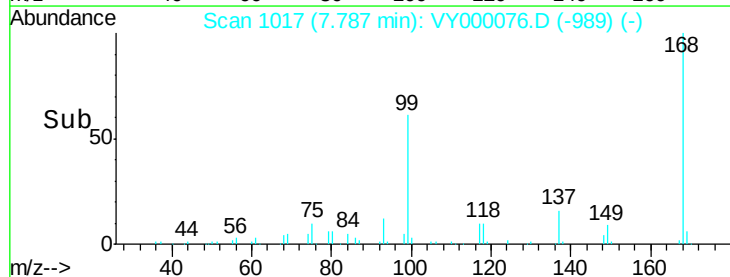
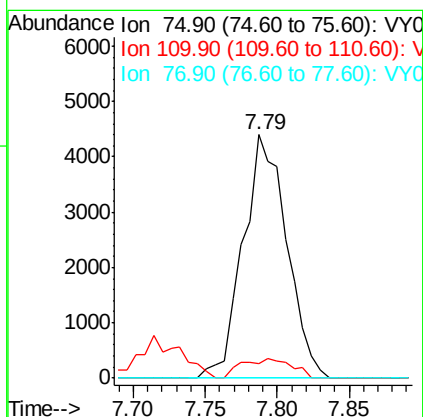
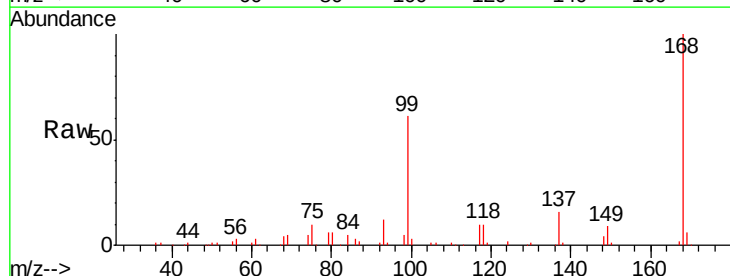
Instrument :
 MSVOA_Y
 ClientSampleId :
 CSA-2-6-2

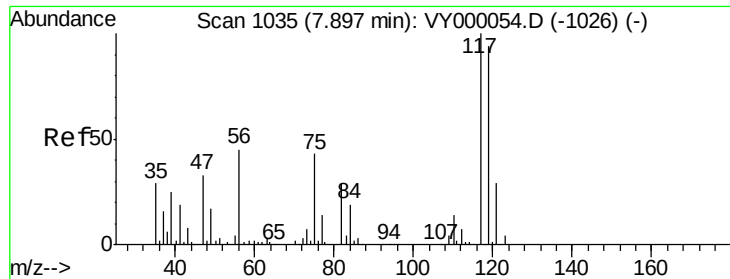
Tgt Ion: 113 Resp: 61082
 Ion Ratio Lower Upper
 113 100
 111 104.1 81.7 122.5
 192 15.7 13.4 20.2



#36
 1,1-Dichloropropene
 Concen: 5.772 ug/l
 RT: 7.79 min Scan# 1017
 Delta R.T. -0.13 min
 Lab File: VY000076.D
 Acq: 19 Sep 2019 14:48

Tgt Ion: 75 Resp: 9232
 Ion Ratio Lower Upper
 75 100
 110 9.3 19.6 58.7#
 77 0.0 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 7.782 ug/l

RT: 7.79 min Scan# 1018

Delta R.T. -0.10 min

Lab File: VY000076.D

Acq: 19 Sep 2019 14:48

Instrument :

MSVOA_Y

ClientSampled :

CSA-2-6-2

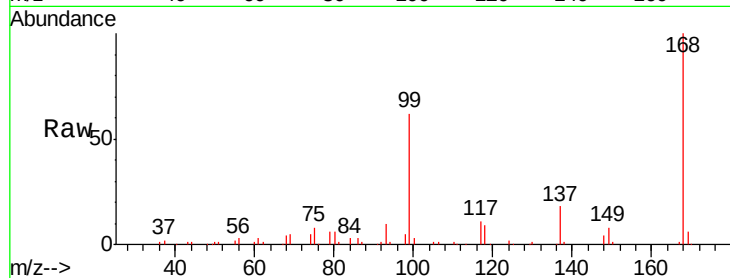
Tgt Ion: 117 Resp: 11747

Ion Ratio Lower Upper

117 100

119 2.7 75.0 112.6#

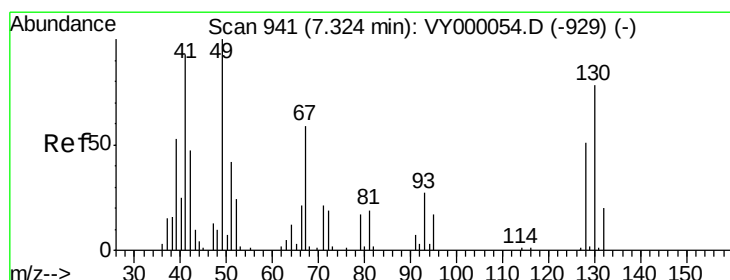
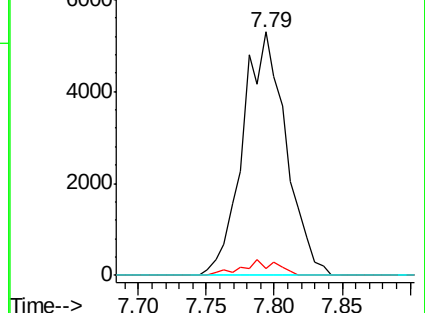
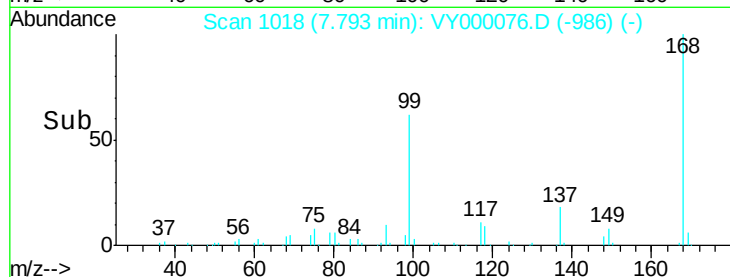
121 0.0 22.8 34.2#



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: 4.403 ug/l

RT: 7.33 min Scan# 942

Delta R.T. 0.01 min

Lab File: VY000076.D

Acq: 19 Sep 2019 14:48

Tgt Ion: 41 Resp: 86

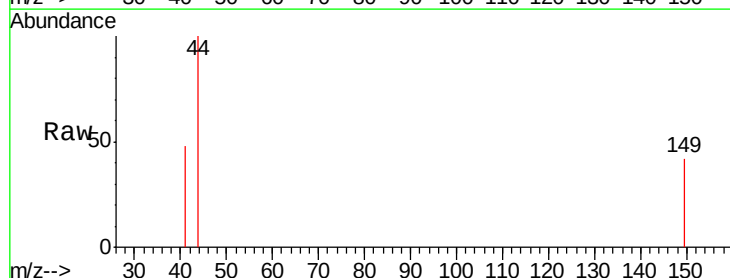
Ion Ratio Lower Upper

41 100

39 0.0 91.8 137.6#

67 0.0 0.0 0.0

52 0.0 0.0 0.0

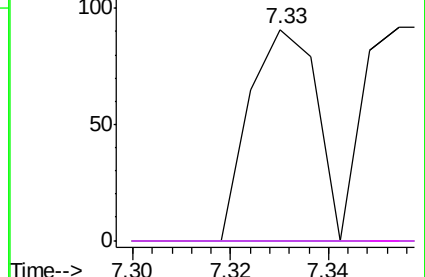
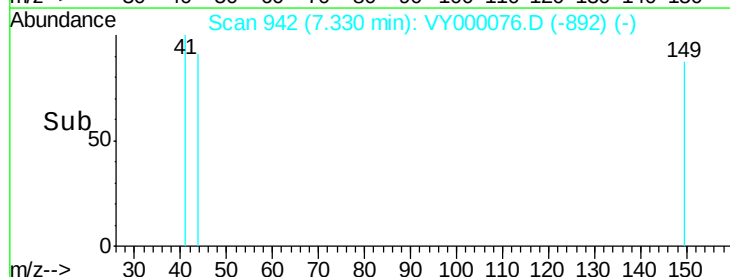


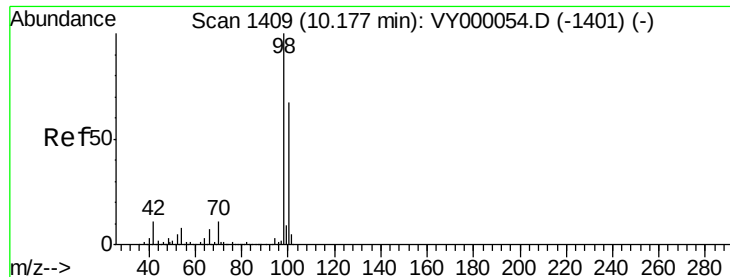
Abundance Ion 41.00 (40.70 to 41.70): VY0

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: 46.049 ug/l

RT: 10.18 min Scan# 1409

Delta R.T. -0.00 min

Lab File: VY000076.D

Acq: 19 Sep 2019 14:48

Instrument :

MSVOA_Y

ClientSampleId :

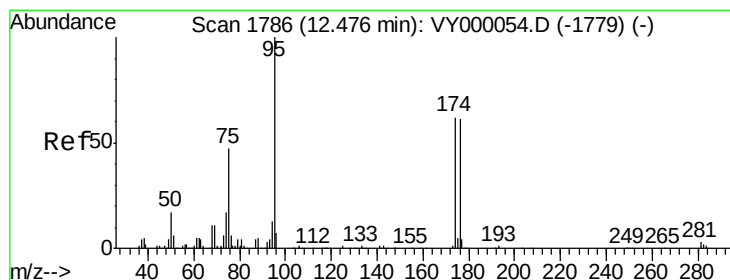
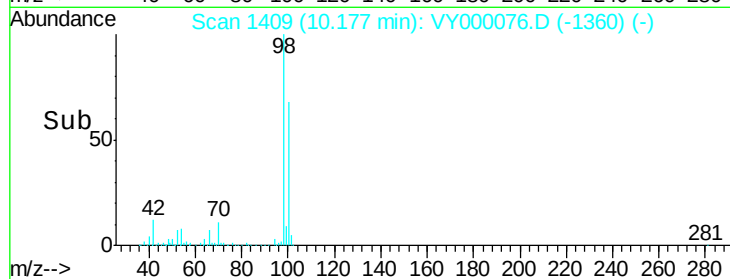
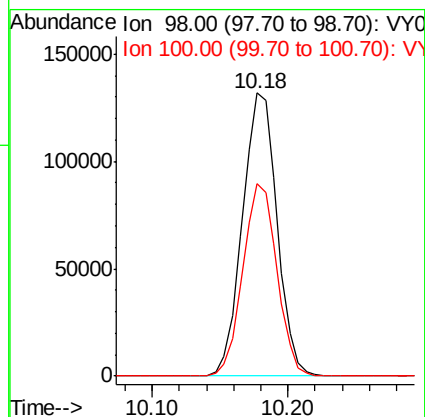
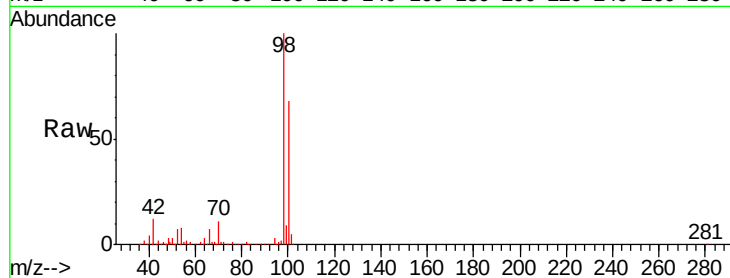
CSA-2-6-2

Tgt Ion: 98 Resp: 234225

Ion Ratio Lower Upper

98 100

100 66.9 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 32.623 ug/l

RT: 12.48 min Scan# 1787

Delta R.T. 0.01 min

Lab File: VY000076.D

Acq: 19 Sep 2019 14:48

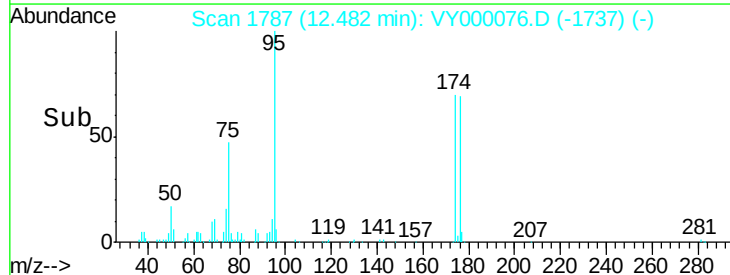
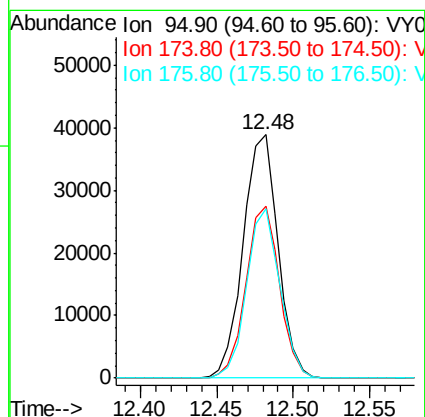
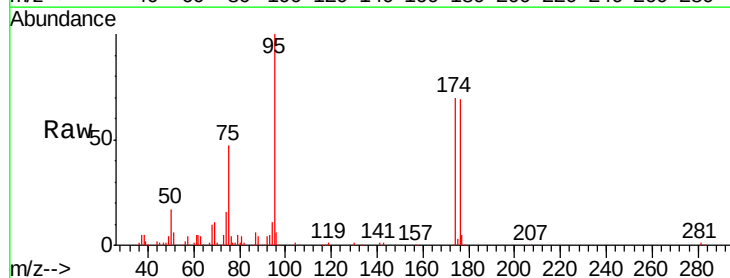
Tgt Ion: 95 Resp: 61607

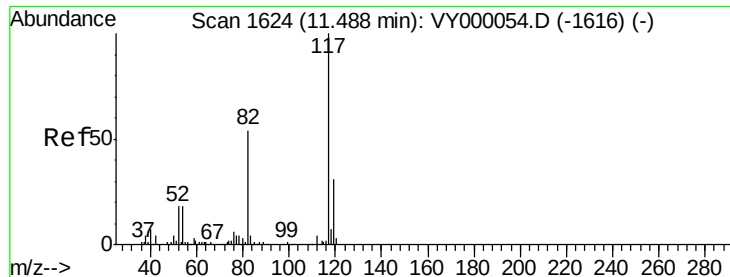
Ion Ratio Lower Upper

95 100

174 68.1 0.0 137.2

176 66.2 0.0 135.0

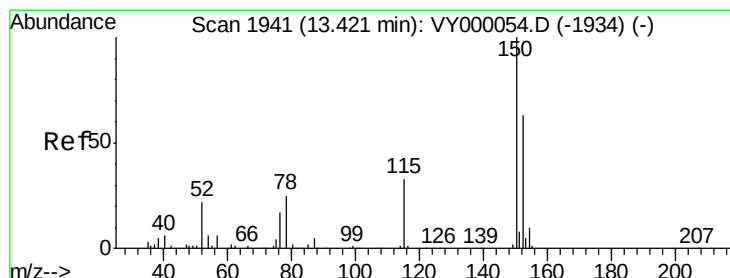
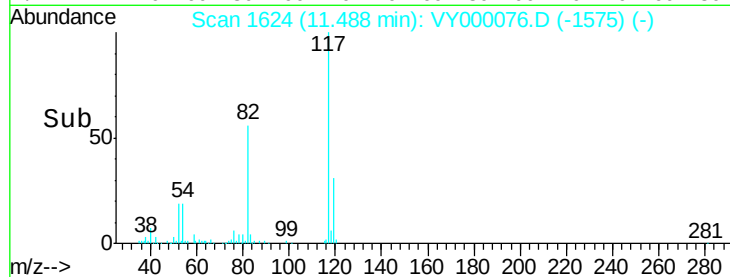
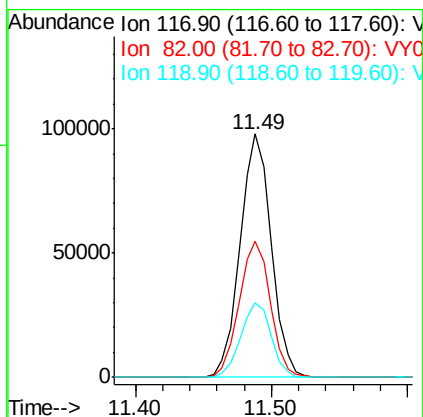
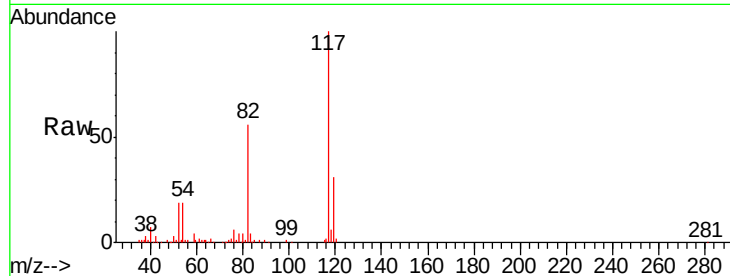




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1624
Delta R.T. -0.00 min
Lab File: VY000076.D
Acq: 19 Sep 2019 14:48

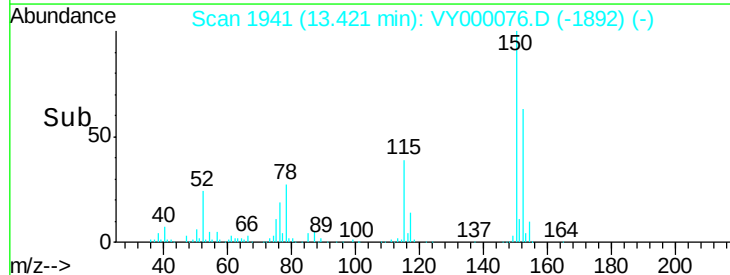
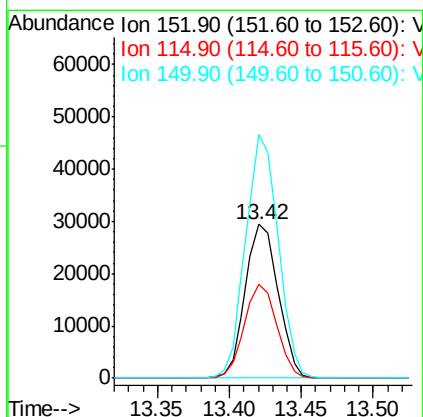
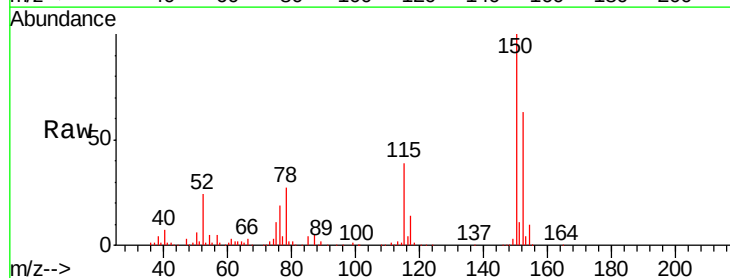
Instrument :
MSVOA_Y
ClientSampleId :
CSA-2-6-2

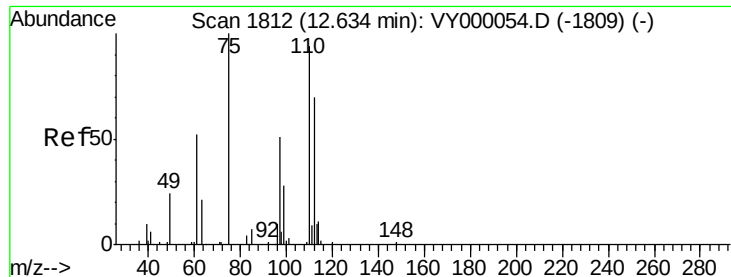
Tgt Ion:117 Resp: 155954
Ion Ratio Lower Upper
117 100
82 56.0 43.5 65.3
119 30.6 24.6 36.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1941
Delta R.T. -0.00 min
Lab File: VY000076.D
Acq: 19 Sep 2019 14:48

Tgt Ion:152 Resp: 46656
Ion Ratio Lower Upper
152 100
115 60.1 30.7 92.1
150 156.5 0.0 351.6





#76

1,2,3-Trichloropropane

Concen: 46.473 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.16 min

Lab File: VY000076.D

Acq: 19 Sep 2019 14:48

Instrument :

MSVOA_Y

ClientSampleId :

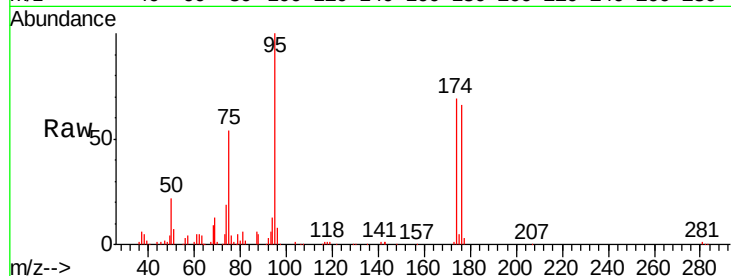
CSA-2-6-2

Tgt Ion: 75 Resp: 30507

Ion Ratio Lower Upper

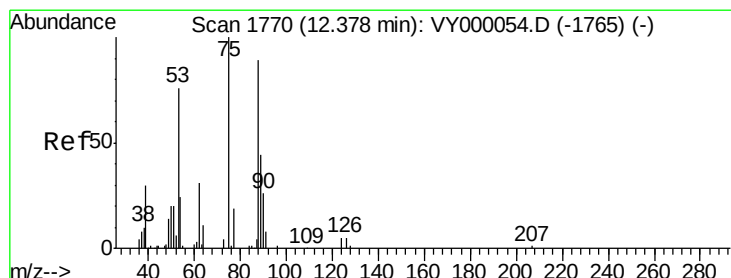
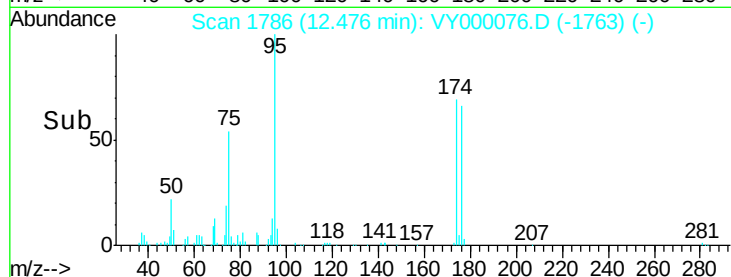
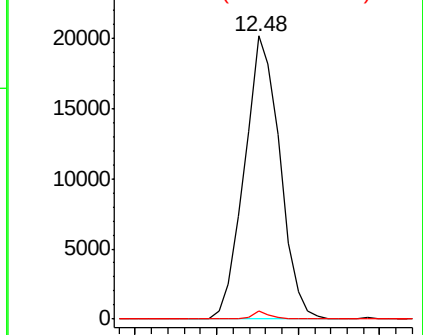
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0



#81

trans-1,4-Dichloro-2-butene

Concen: 89.379 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. 0.10 min

Lab File: VY000076.D

Acq: 19 Sep 2019 14:48

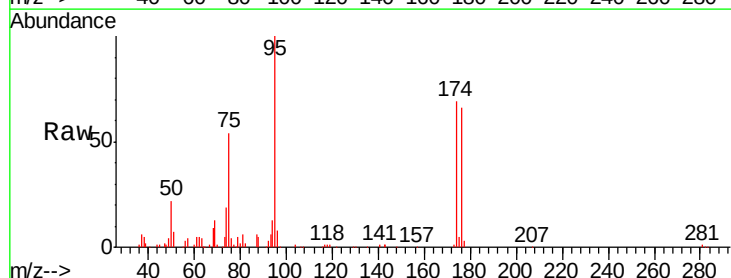
Tgt Ion: 75 Resp: 30507

Ion Ratio Lower Upper

75 100

53 0.0 60.9 91.3#

89 0.0 35.3 52.9#



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

