

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY091919\
 Data File : VY000086.D
 Acq On : 19 Sep 2019 18:39
 Operator : SY/MD
 Sample : K4878-27
 Misc : 4.85g/5.00ml/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CSA-2-1-2

Quant Time: Sep 20 01:57:40 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	100127	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	204744	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	162820	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	51515	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.14	65	61407	53.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.62%	
35) Dibromofluoromethane	7.73	113	58573	47.25	ug/l	0.01
Spiked Amount	50.000		Recovery	=	94.50%	
50) Toluene-d8	10.18	98	240542	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	
62) 4-Bromofluorobenzene	12.48	95	68362	37.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.64%	

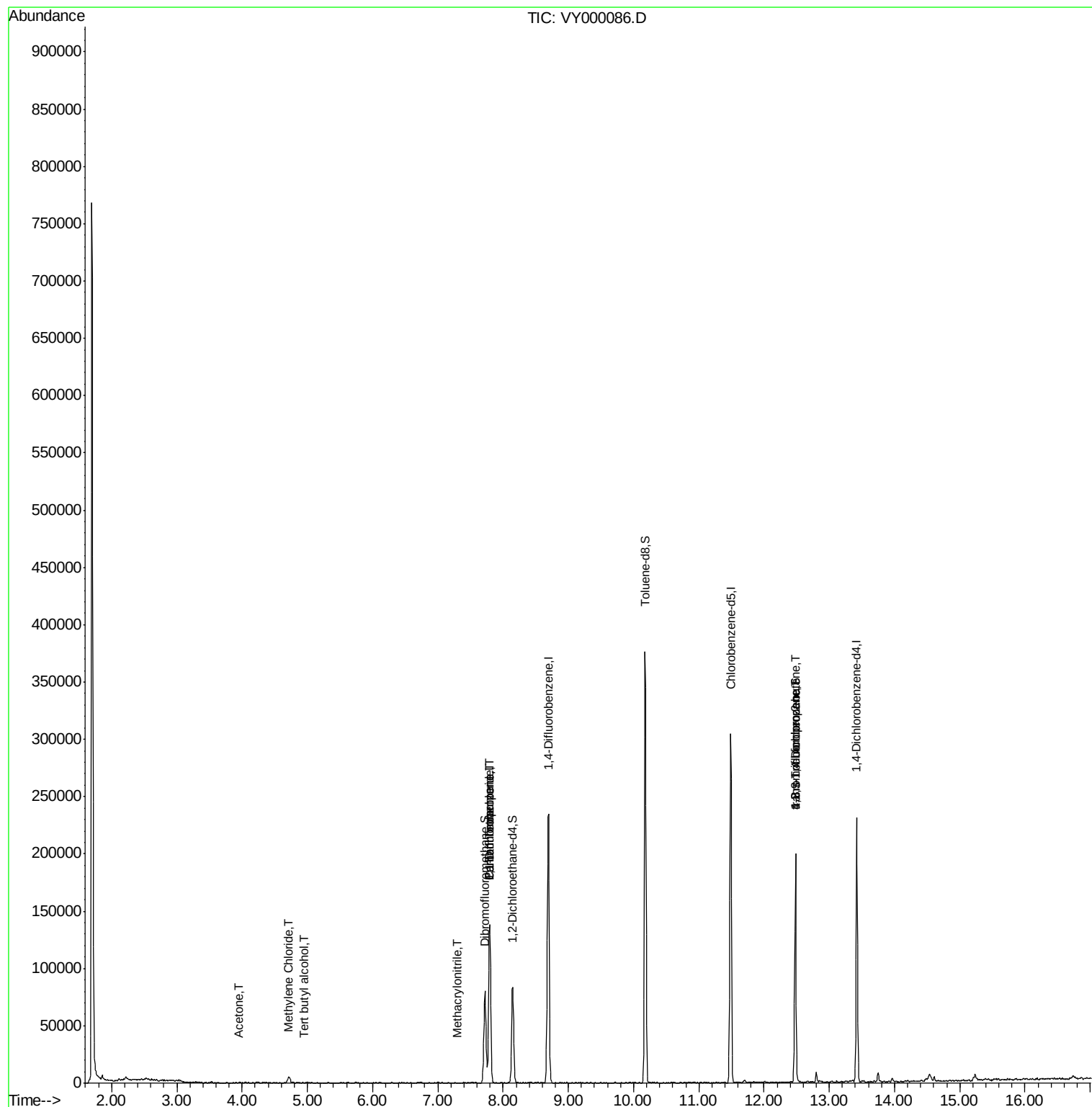
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	52	Below Cal	#	42
3) Chloromethane	2.11	50	819	Below Cal	#	66
5) Bromomethane	2.62	94	36	Below Cal	#	6
11) Tert butyl alcohol	4.95	59	188	1.377	ug/l #	73
13) Acrolein	3.81	56	27	Below Cal	#	13
16) Acetone	3.95	43	329	1.227	ug/l #	33
17) Carbon Disulfide	4.20	76	147	Below Cal	#	77
20) Methylene Chloride	4.72	84	4430	3.511	ug/l #	82
31) Cyclohexane	7.79	56	2779	Below Cal	#	1
36) 1,1-Dichloropropene	7.79	75	8865	5.791	ug/l #	47
38) Carbon Tetrachloride	7.79	117	10147	7.023	ug/l #	17
41) Methacrylonitrile	7.30	41	44	4.359	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	33751	46.565	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	33751	89.557	ug/l #	19

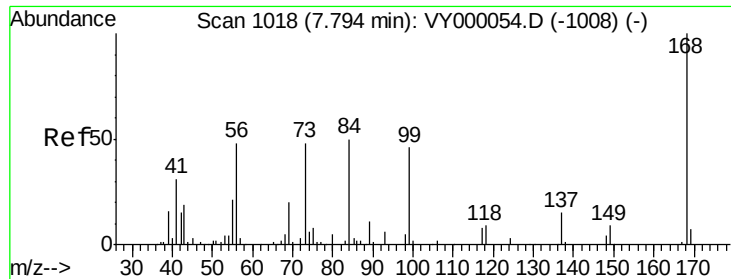
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY000086.D

Acq: 19 Sep 2019 18:39

Instrument :

MSVOA_Y

ClientSampled :

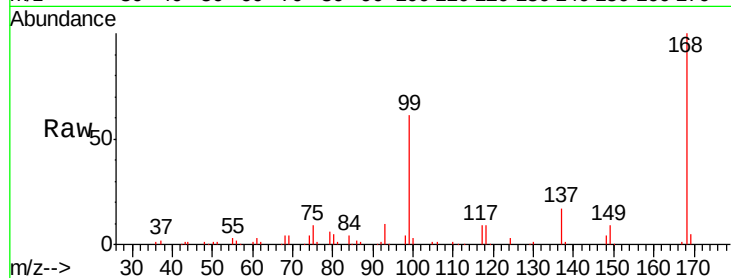
CSA-2-1-2

Tgt Ion:168 Resp: 100127

Ion Ratio Lower Upper

168 100

99 60.9 44.2 66.2

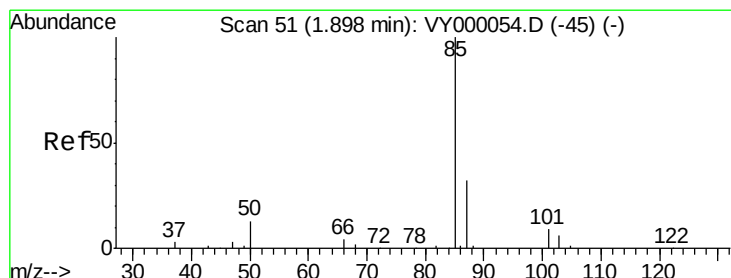
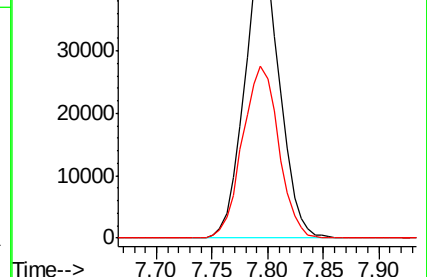
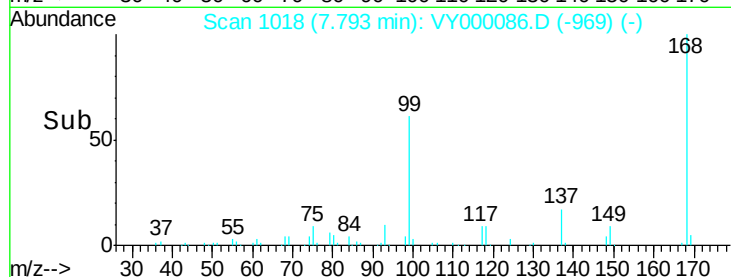


Abundance Ion 167.90 (167.60 to 168.60): VY000054.D (-1008) (-)

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

7.79

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.90 min Scan# 52

Delta R.T. 0.01 min

Lab File: VY000086.D

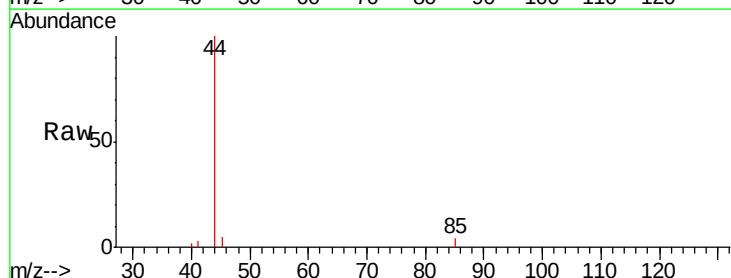
Acq: 19 Sep 2019 18:39

Tgt Ion: 85 Resp: 52

Ion Ratio Lower Upper

85 100

87 0.0 16.2 48.5#

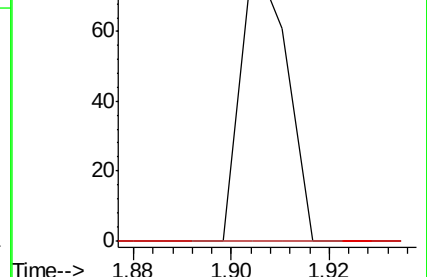
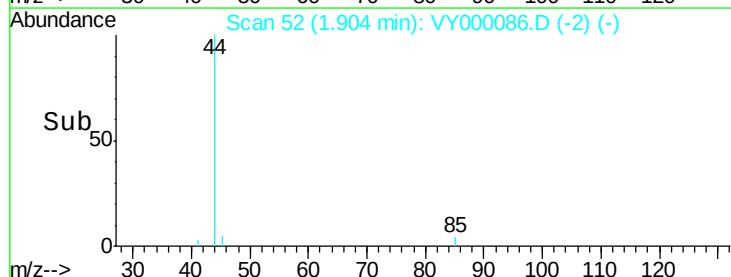


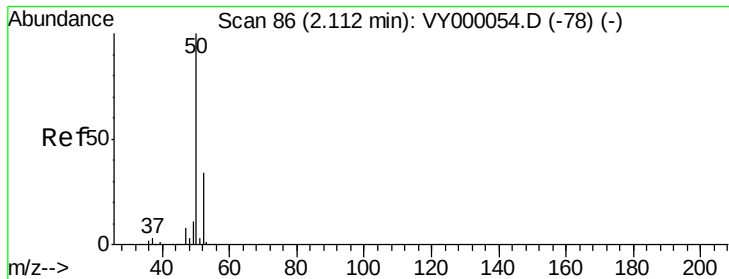
Abundance Ion 84.90 (84.60 to 85.60): VY000054.D (-45) (-)

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

1.90

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 2.11 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY000086.D

Acq: 19 Sep 2019 18:39

Instrument :

MSVOA_Y

ClientSampleId :

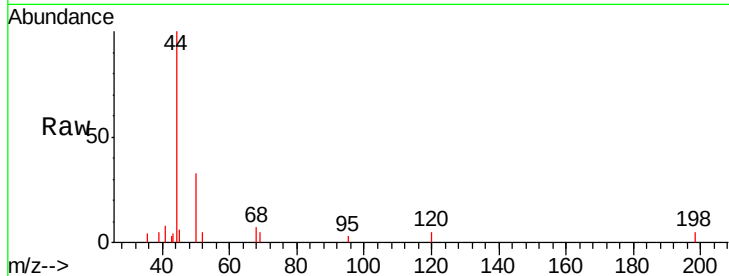
CSA-2-1-2

Tgt Ion: 50 Resp: 819

Ion Ratio Lower Upper

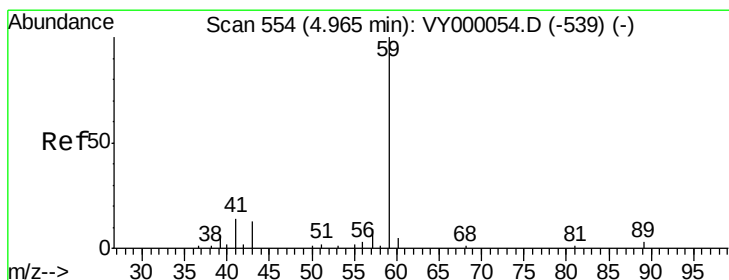
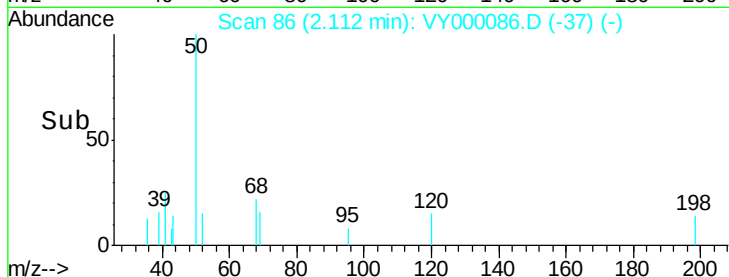
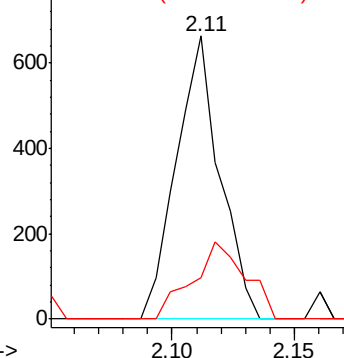
50 100

52 14.8 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: 1.377 ug/l

RT: 4.95 min Scan# 551

Delta R.T. -0.02 min

Lab File: VY000086.D

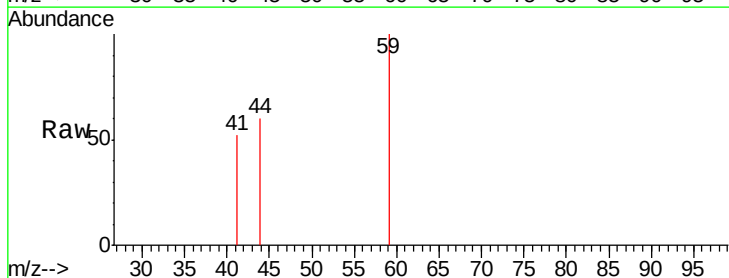
Acq: 19 Sep 2019 18:39

Tgt Ion: 59 Resp: 188

Ion Ratio Lower Upper

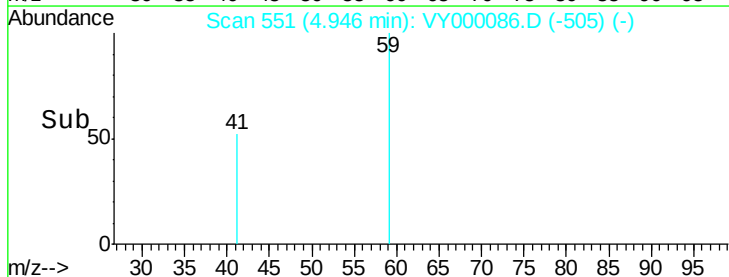
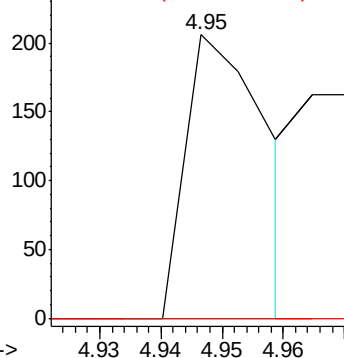
59 100

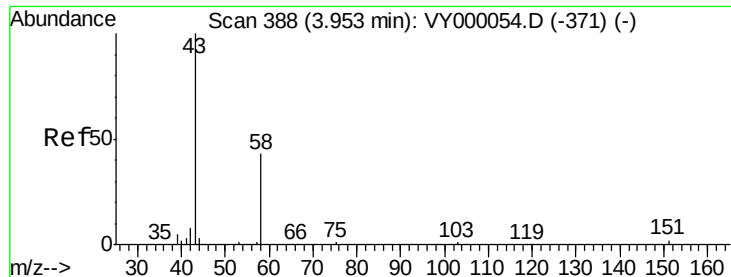
57 0.0 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VY0

Ion 57.00 (56.70 to 57.70): VY0





#16

Acetone

Concen: 1.227 ug/l

RT: 3.95 min Scan# 388

Delta R.T. -0.00 min

Lab File: VY000086.D

Acq: 19 Sep 2019 18:39

Instrument :

MSVOA_Y

ClientSampleId :

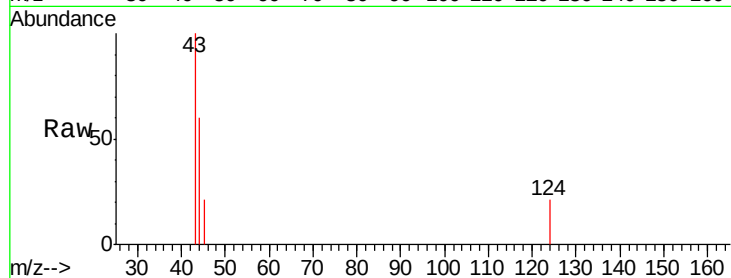
CSA-2-1-2

Tgt Ion: 43 Resp: 329

Ion Ratio Lower Upper

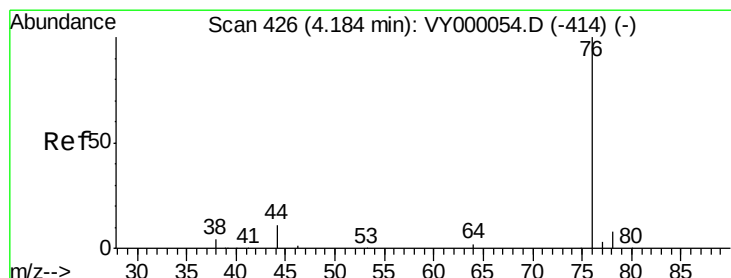
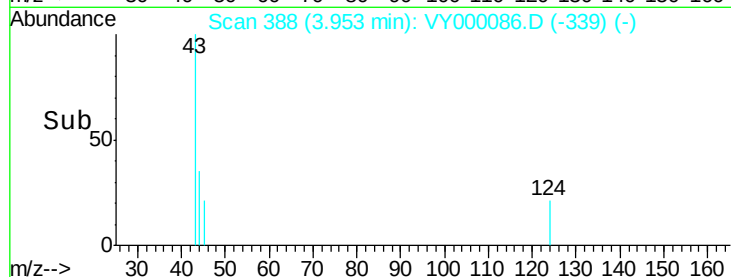
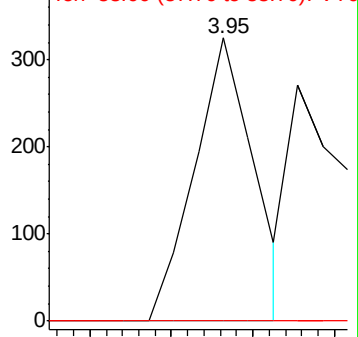
43 100

58 0.0 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# 429

Delta R.T. 0.02 min

Lab File: VY000086.D

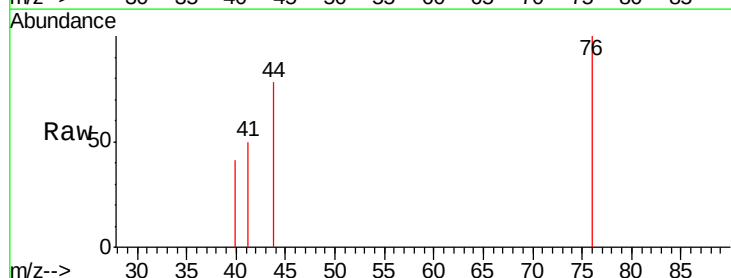
Acq: 19 Sep 2019 18:39

Tgt Ion: 76 Resp: 147

Ion Ratio Lower Upper

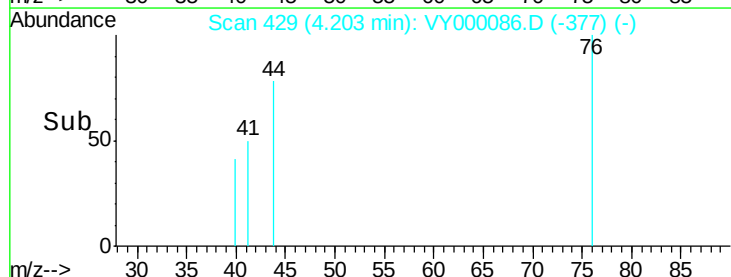
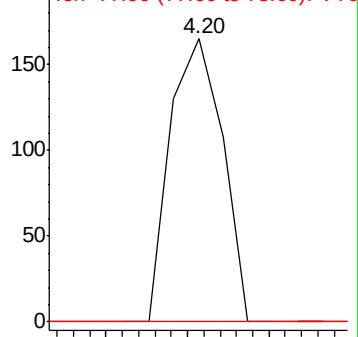
76 100

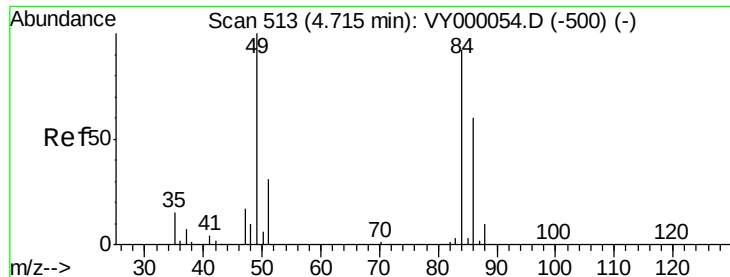
78 0.0 6.6 9.8#



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0





#20

Methylene Chloride

Concen: 3.511 ug/l

RT: 4.72 min Scan# 514

Delta R.T. 0.01 min

Lab File: VY000086.D

Acq: 19 Sep 2019 18:39

Instrument :

MSVOA_Y

ClientSampled :

CSA-2-1-2

Tgt Ion: 84 Resp: 4430

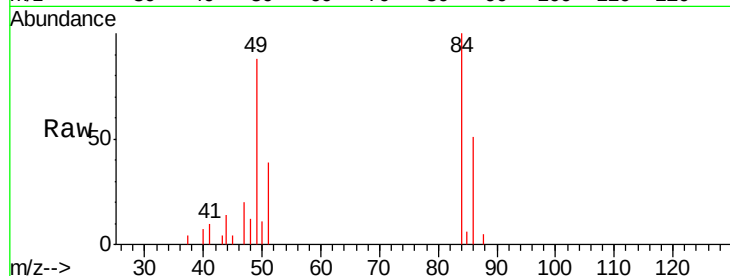
Ion Ratio Lower Upper

84 100

49 87.5 87.4 131.0

51 38.7 27.2 40.8

86 50.8 52.8 79.2#

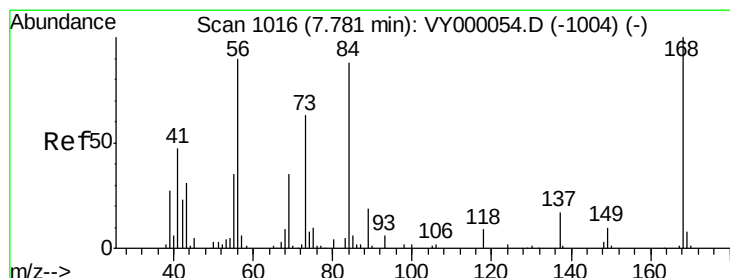
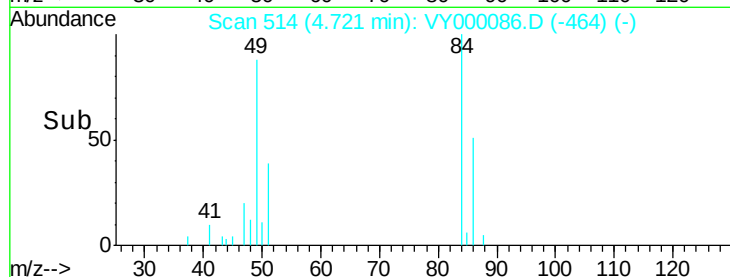
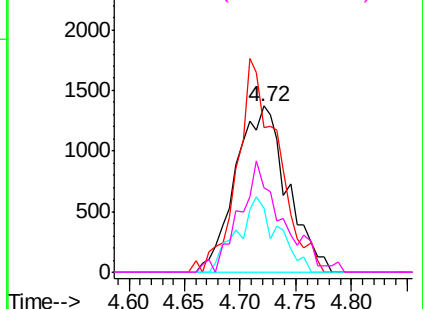


Abundance Ion 83.90 (83.60 to 84.60): VY0

Ion 48.90 (48.60 to 49.60): VY0

Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0



#31

Cyclohexane

Concen: Below Cal

RT: 7.79 min Scan# 1017

Delta R.T. 0.01 min

Lab File: VY000086.D

Acq: 19 Sep 2019 18:39

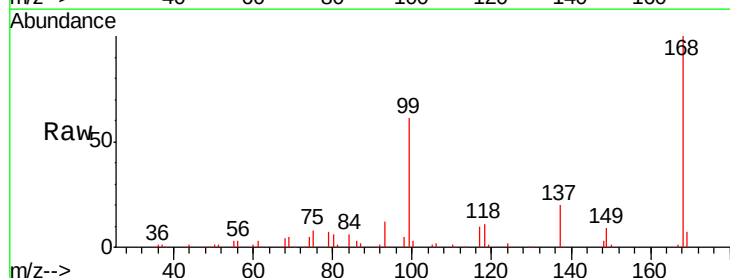
Tgt Ion: 56 Resp: 2779

Ion Ratio Lower Upper

56 100

69 167.7 30.9 46.3#

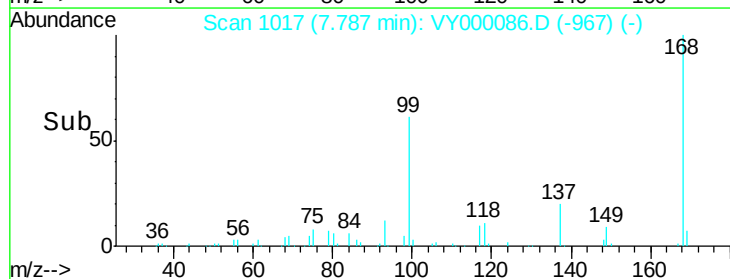
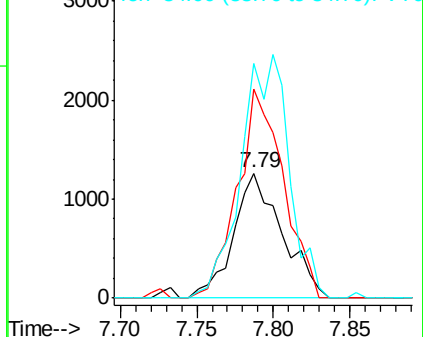
84 188.0 78.5 117.7#

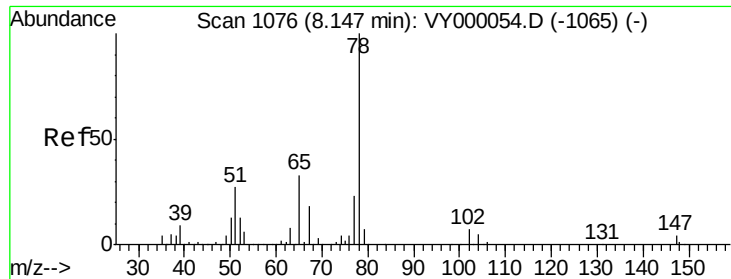


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0

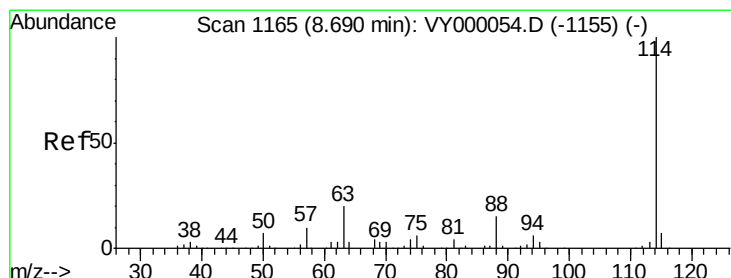
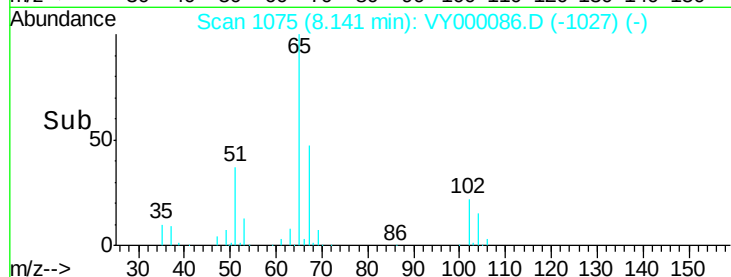
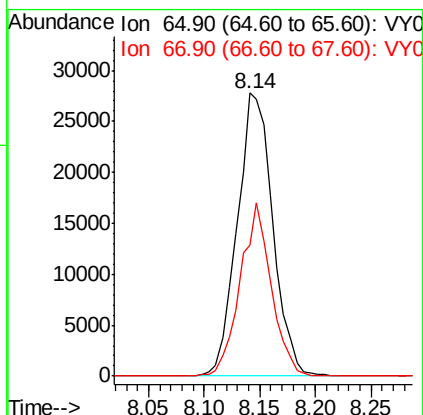
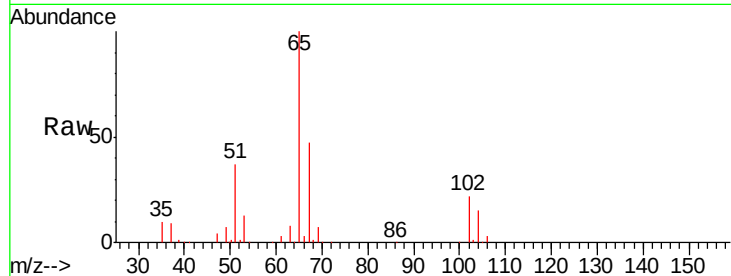




#33
 1,2-Dichloroethane-d4
 Concen: 53.306 ug/l
 RT: 8.14 min Scan# 1075
 Delta R.T. -0.01 min
 Lab File: VY000086.D
 Acq: 19 Sep 2019 18:39

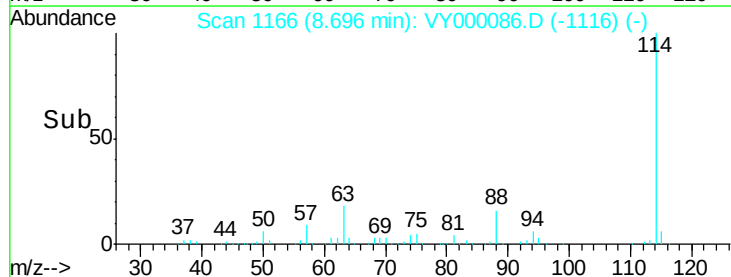
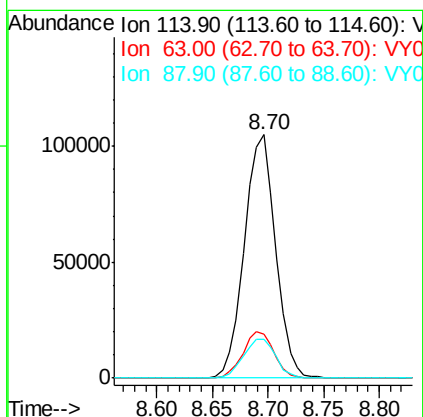
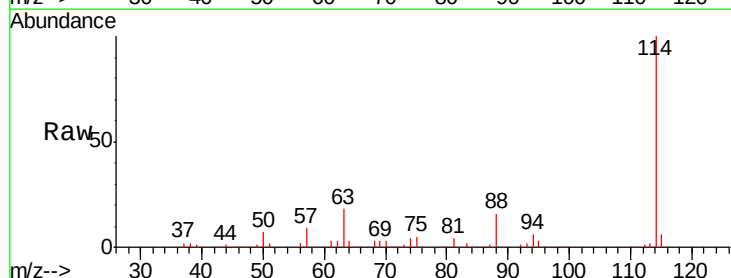
Instrument :
 MSVOA_Y
 ClientSampleId :
 CSA-2-1-2

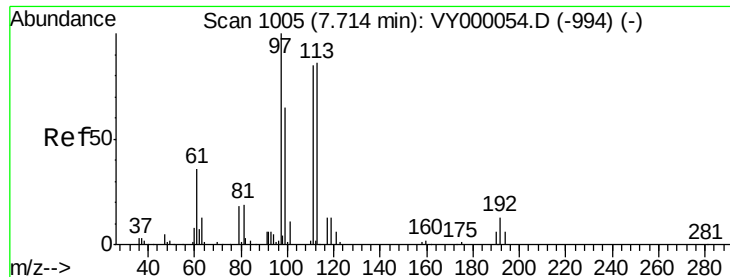
Tgt Ion: 65 Resp: 61407
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1166
 Delta R.T. 0.01 min
 Lab File: VY000086.D
 Acq: 19 Sep 2019 18:39

Tgt Ion: 114 Resp: 204744
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 39.4
 88 15.8 0.0 30.2

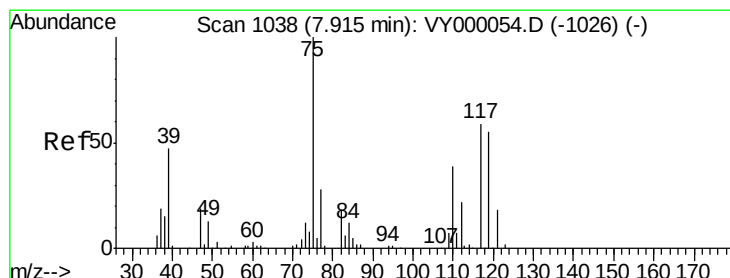
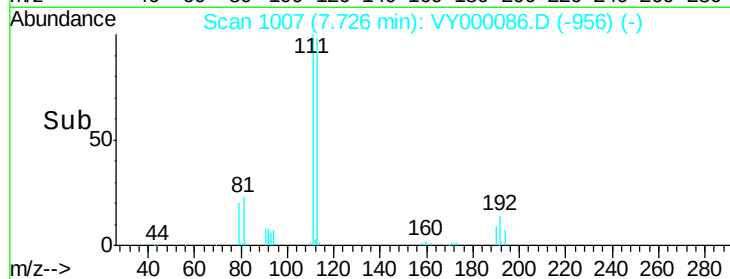
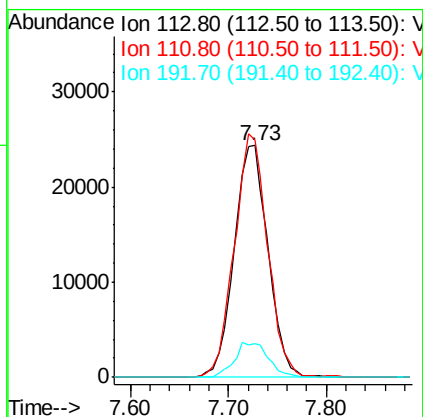
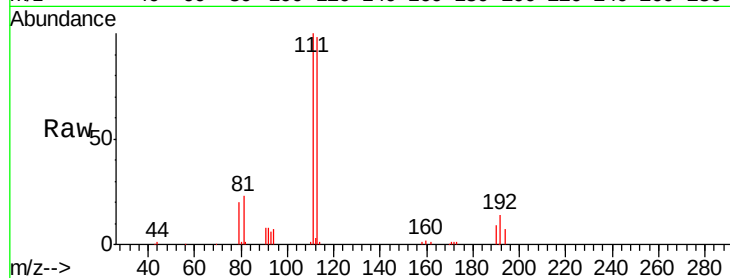




#35
 Dibromofluoromethane
 Concen: 47.249 ug/l
 RT: 7.73 min Scan# 1007
 Delta R.T. 0.01 min
 Lab File: VY000086.D
 Acq: 19 Sep 2019 18:39

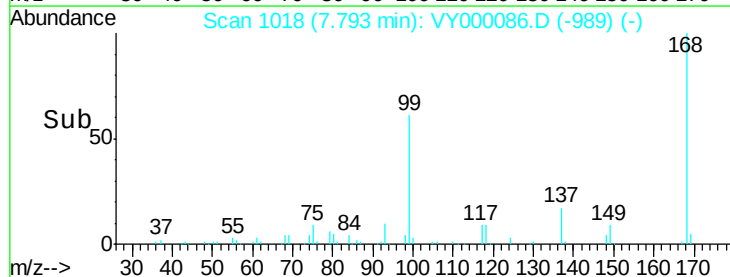
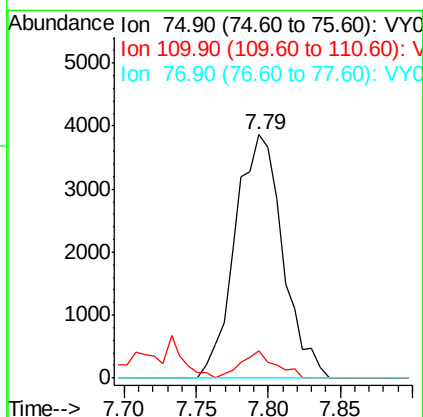
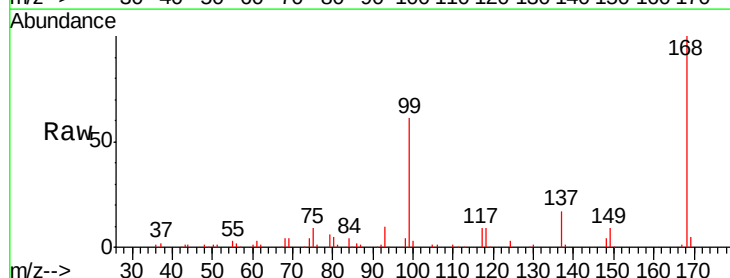
Instrument :
 MSVOA_Y
 ClientSampleId :
 CSA-2-1-2

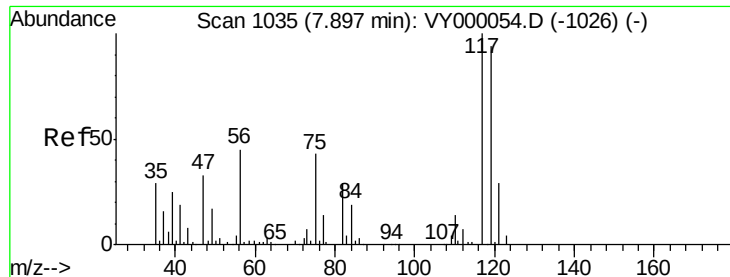
Tgt Ion: 113 Resp: 58573
 Ion Ratio Lower Upper
 113 100
 111 102.7 81.7 122.5
 192 15.0 13.4 20.2



#36
 1,1-Dichloropropene
 Concen: 5.791 ug/l
 RT: 7.79 min Scan# 1018
 Delta R.T. -0.12 min
 Lab File: VY000086.D
 Acq: 19 Sep 2019 18:39

Tgt Ion: 75 Resp: 8865
 Ion Ratio Lower Upper
 75 100
 110 8.0 19.6 58.7#
 77 0.0 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 7.023 ug/l

RT: 7.79 min Scan# 1018

Delta R.T. -0.10 min

Lab File: VY000086.D

Acq: 19 Sep 2019 18:39

Instrument :

MSVOA_Y

ClientSampled :

CSA-2-1-2

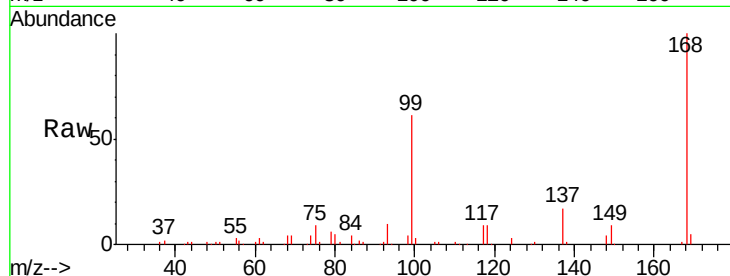
Tgt Ion: 117 Resp: 10147

Ion Ratio Lower Upper

117 100

119 5.1 75.0 112.6#

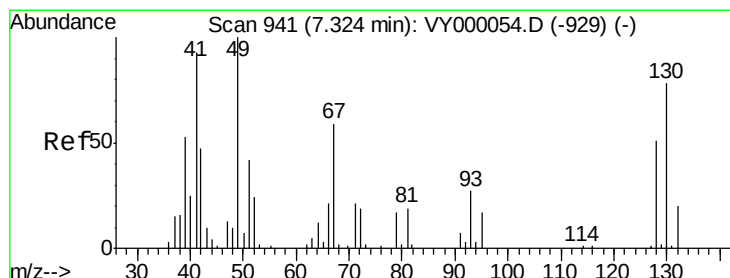
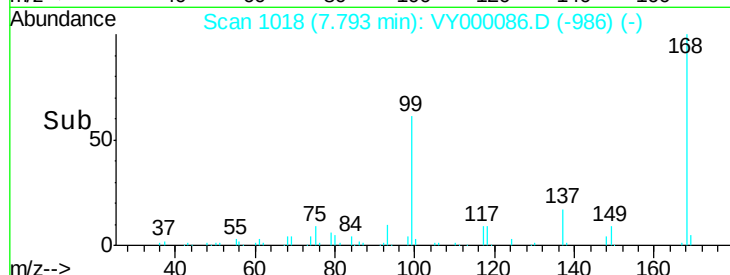
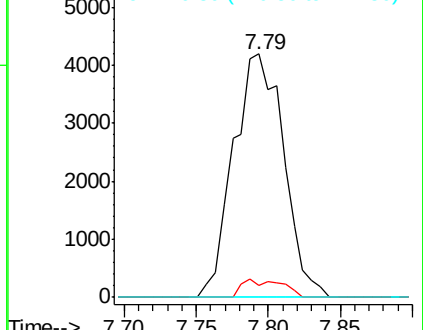
121 0.0 22.8 34.2#



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: 4.359 ug/l

RT: 7.30 min Scan# 937

Delta R.T. -0.02 min

Lab File: VY000086.D

Acq: 19 Sep 2019 18:39

Tgt Ion: 41 Resp: 44

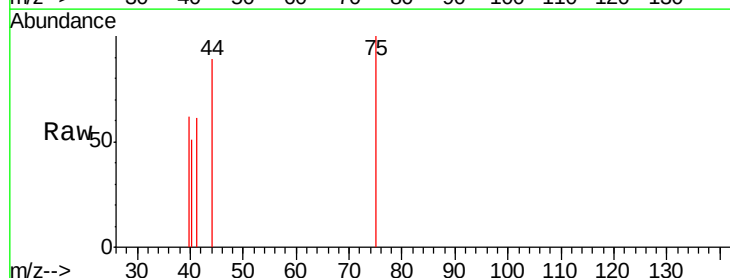
Ion Ratio Lower Upper

41 100

39 0.0 91.8 137.6#

67 0.0 0.0 0.0

52 0.0 0.0 0.0

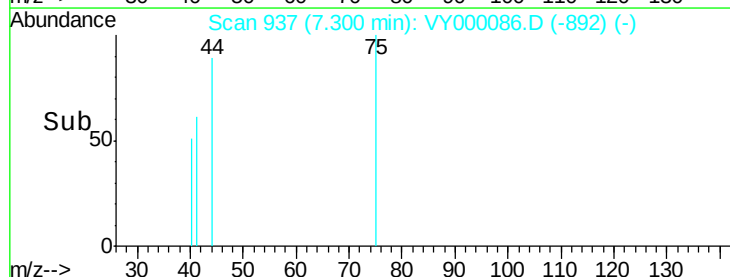
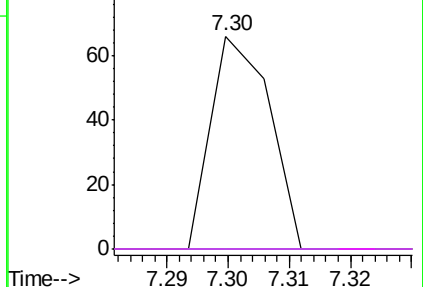


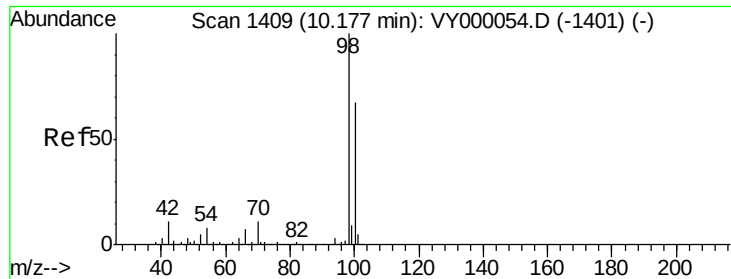
Abundance Ion 41.00 (40.70 to 41.70): VY0

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

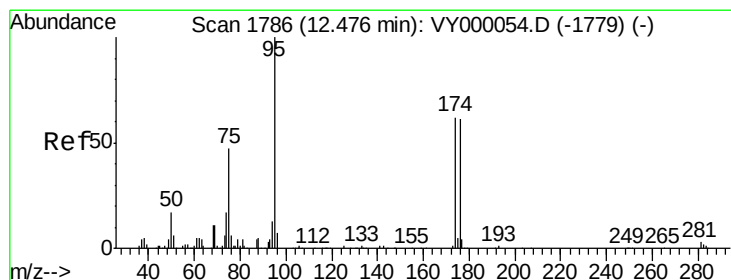
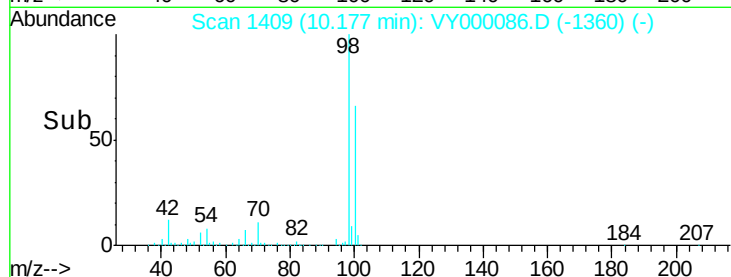
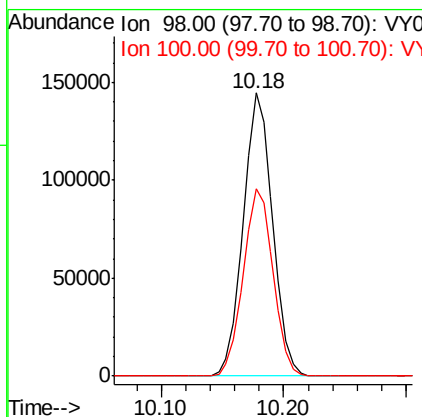
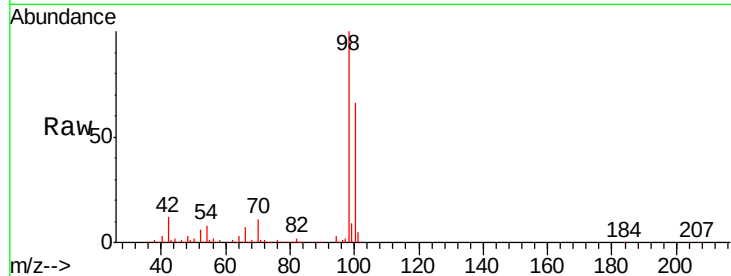




#50
Toluene-d8
Concen: 49.402 ug/l
RT: 10.18 min Scan# 1409
Delta R.T. -0.00 min
Lab File: VY000086.D
Acq: 19 Sep 2019 18:39

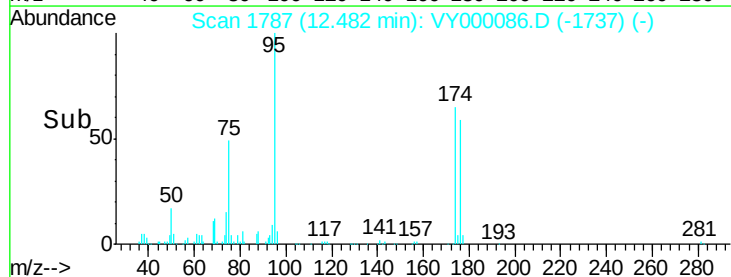
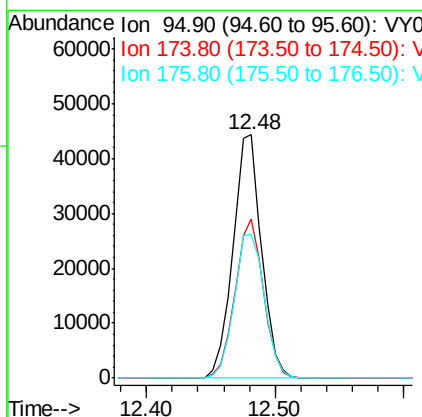
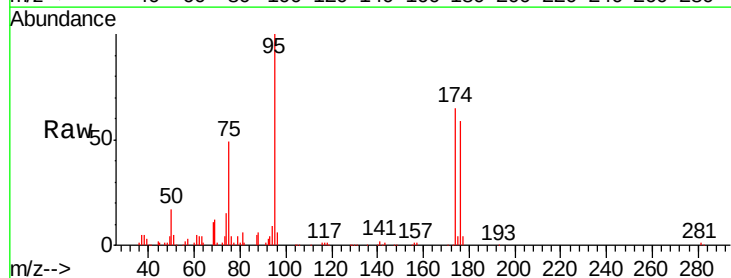
Instrument :
MSVOA_Y
ClientSampleId :
CSA-2-1-2

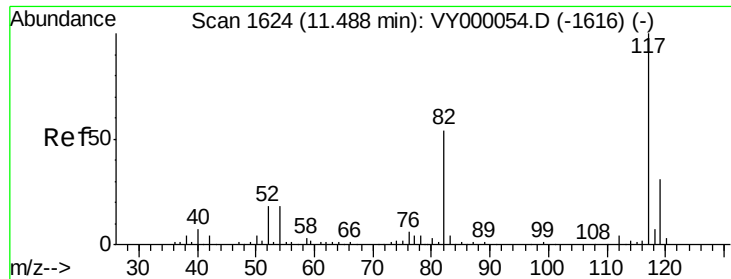
Tgt Ion: 98 Resp: 240542
Ion Ratio Lower Upper
98 100
100 67.4 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 37.816 ug/l
RT: 12.48 min Scan# 1787
Delta R.T. 0.01 min
Lab File: VY000086.D
Acq: 19 Sep 2019 18:39

Tgt Ion: 95 Resp: 68362
Ion Ratio Lower Upper
95 100
174 64.4 0.0 137.2
176 62.4 0.0 135.0

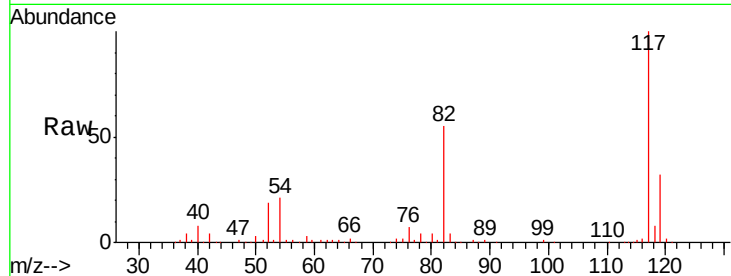




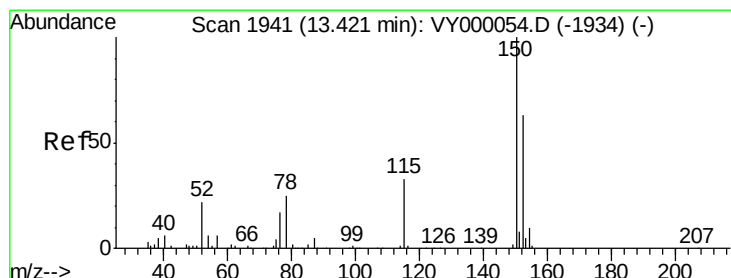
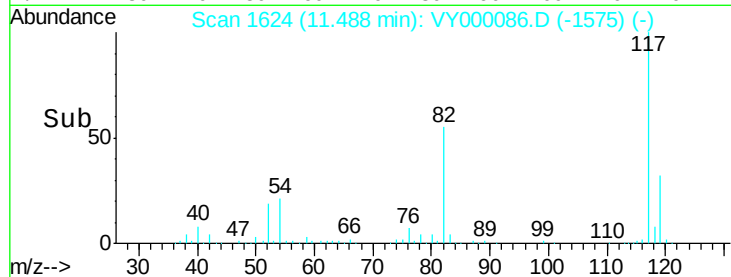
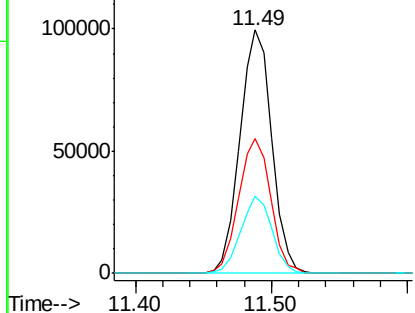
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1624
Delta R.T. -0.00 min
Lab File: VY000086.D
Acq: 19 Sep 2019 18:39

Instrument :
MSVOA_Y
ClientSampled :
CSA-2-1-2

Tgt Ion:117 Resp: 162820
Ion Ratio Lower Upper
117 100
82 55.1 43.5 65.3
119 31.8 24.6 36.8

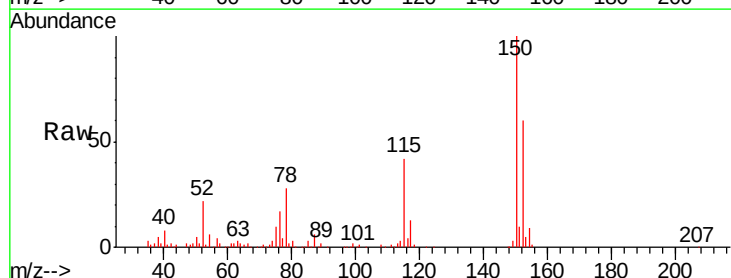


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

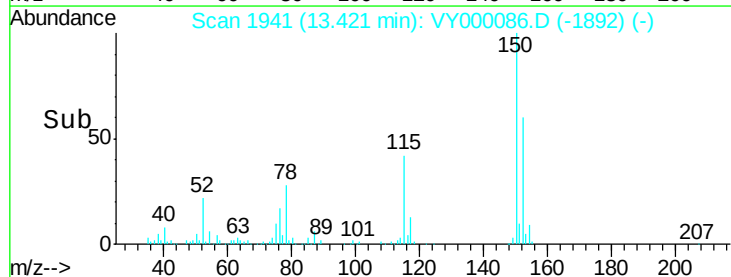
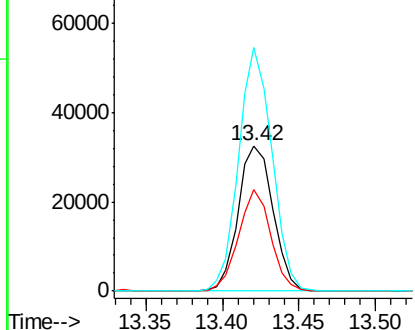


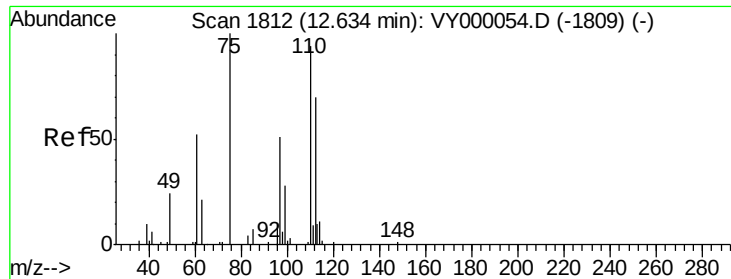
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1941
Delta R.T. -0.00 min
Lab File: VY000086.D
Acq: 19 Sep 2019 18:39

Tgt Ion:152 Resp: 51515
Ion Ratio Lower Upper
152 100
115 64.8 30.7 92.1
150 160.5 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

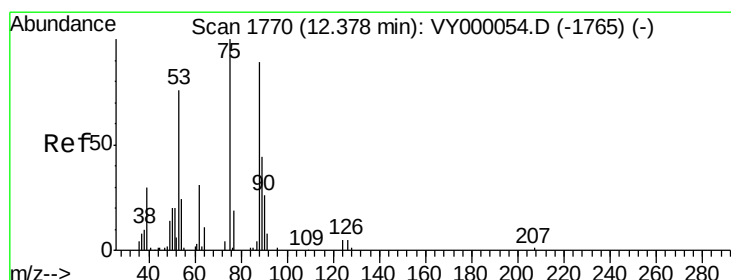
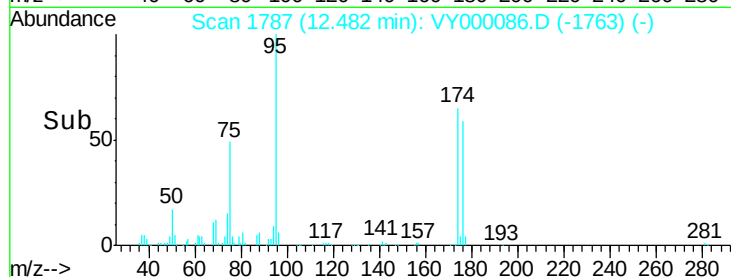
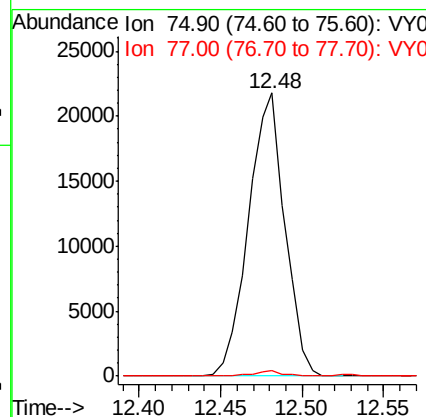
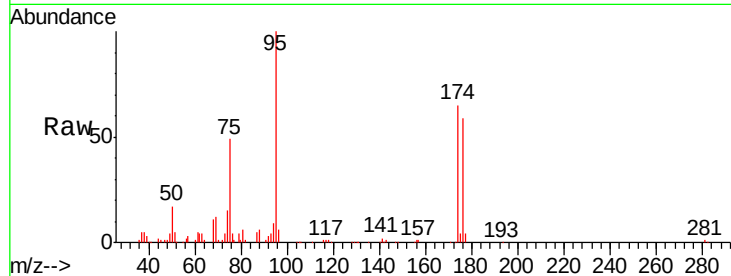




#76
 1,2,3-Trichloropropane
 Concen: 46.565 ug/l
 RT: 12.48 min Scan# 1787
 Delta R.T. -0.15 min
 Lab File: VY000086.D
 Acq: 19 Sep 2019 18:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 CSA-2-1-2

Tgt Ion: 75 Resp: 33751
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 89.557 ug/l
 RT: 12.48 min Scan# 1787
 Delta R.T. 0.10 min
 Lab File: VY000086.D
 Acq: 19 Sep 2019 18:39

Tgt Ion: 75 Resp: 33751
 Ion Ratio Lower Upper
 75 100
 53 0.0 60.9 91.3#
 89 0.1 35.3 52.9#

