

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY091919\
 Data File : VY000084.D
 Acq On : 19 Sep 2019 17:52
 Operator : SY/MD
 Sample : K4878-15
 Misc : 12.38g/5.00ml/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CSA-2-9-4

Quant Time: Sep 20 01:57:12 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	7.80	168	101821	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	201207	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	174205	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	65506	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	62589	53.43	ug/l	0.00
Spiked Amount			Recovery	=	106.86%	
35) Dibromofluoromethane	7.72	113	56937	46.74	ug/l	0.00
Spiked Amount			Recovery	=	93.48%	
50) Toluene-d8	10.18	98	241427	50.46	ug/l	0.00
Spiked Amount			Recovery	=	100.92%	
62) 4-Bromofluorobenzene	12.48	95	78111	43.97	ug/l	0.00
Spiked Amount			Recovery	=	87.94%	

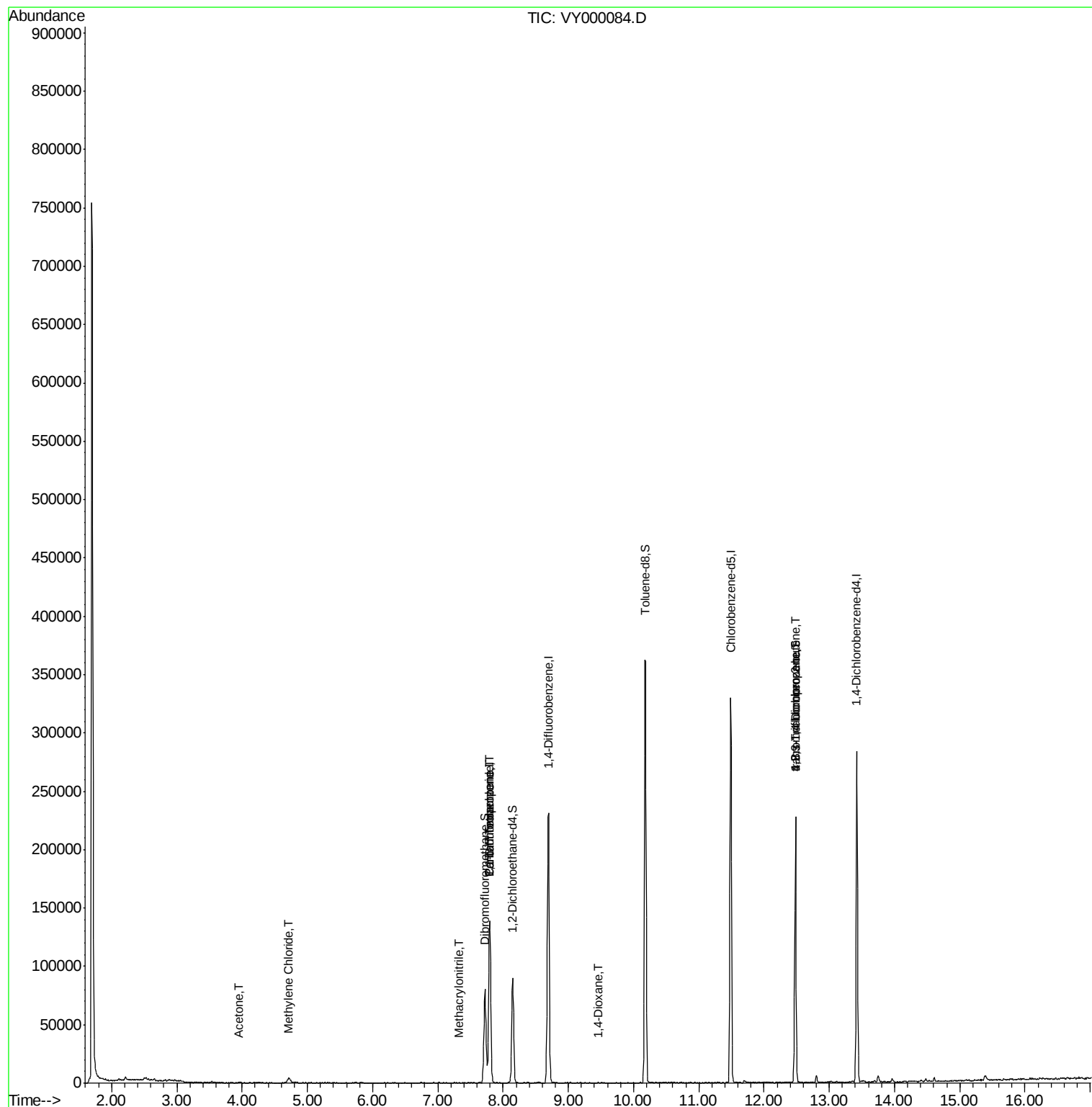
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.11	50	879	Below Cal	#	84
5) Bromomethane	2.69	94	22	Below Cal	#	6
16) Acetone	3.95	43	321	1.177	ug/l #	33
17) Carbon Disulfide	4.17	76	53	Below Cal	#	1
20) Methylene Chloride	4.71	84	2784	2.170	ug/l #	89
31) Cyclohexane	7.79	56	1571	Below Cal	#	8
36) 1,1-Dichloropropene	7.79	75	8611	5.724	ug/l #	50
38) Carbon Tetrachloride	7.79	117	10469	7.373	ug/l #	21
41) Methacrylonitrile	7.33	41	50	4.367	ug/l #	32
49) 1,4-Dioxane	9.45	88	38	2.784	ug/l #	26
76) 1,2,3-Trichloropropane	12.48	75	38865	42.168	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	38865	81.100	ug/l #	19

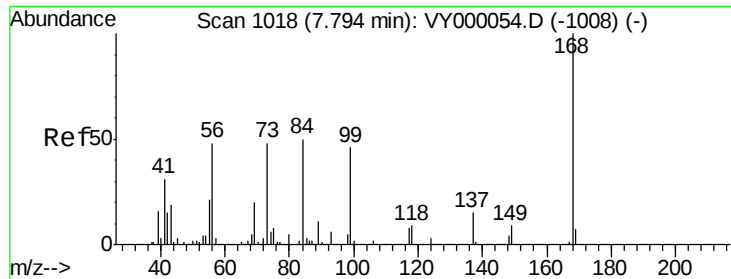
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VY000084.D

Acq: 19 Sep 2019 17:52

Instrument :

MSVOA_Y

ClientSampled :

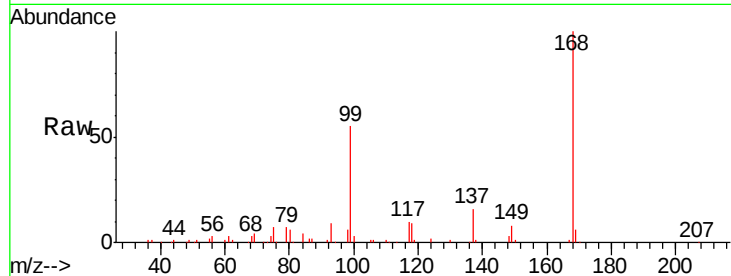
CSA-2-9-4

Tgt Ion: 168 Resp: 101821

Ion Ratio Lower Upper

168 100

99 55.4 44.2 66.2



Abundance Ion 167.90 (167.60 to 168.60): VY000084.D (-969) (-)

Ion 98.90 (98.60 to 99.60): VY000084.D (-969) (-)

7.80

50000

40000

30000

20000

10000

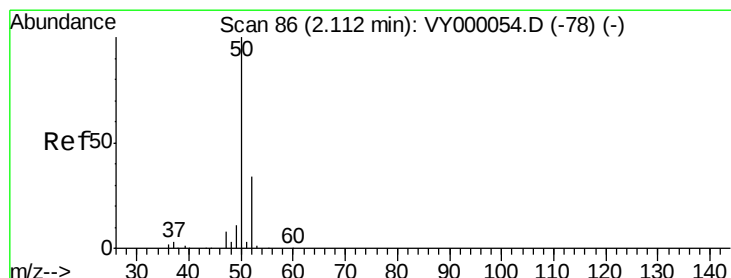
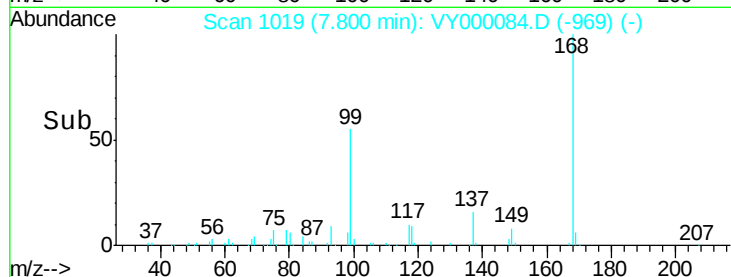
0

7.70

7.80

7.90

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.11 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY000084.D

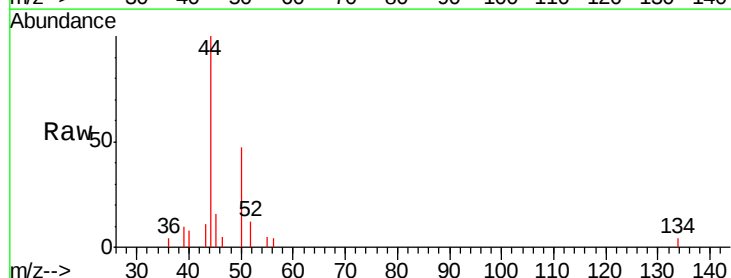
Acq: 19 Sep 2019 17:52

Tgt Ion: 50 Resp: 879

Ion Ratio Lower Upper

50 100

52 24.8 27.3 40.9#



Abundance Ion 49.90 (49.60 to 50.60): VY000084.D (-37) (-)

Ion 51.90 (51.60 to 52.60): VY000084.D (-37) (-)

2.11

800

600

400

200

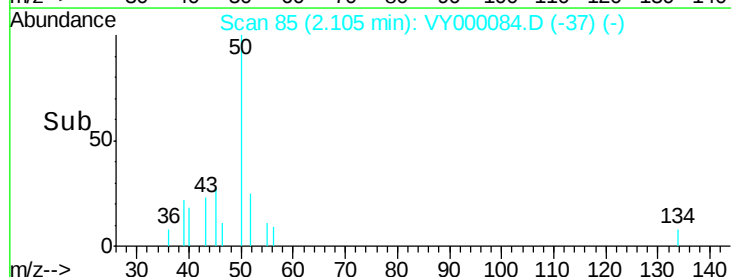
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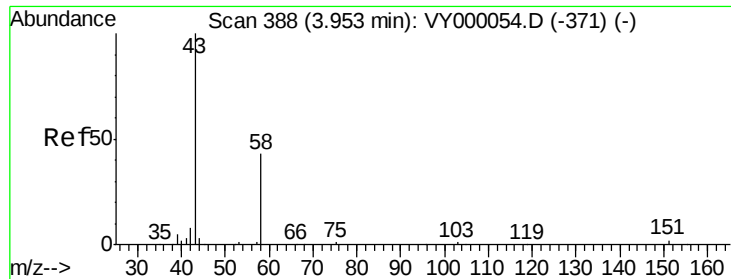
2.05

2.10

2.15

Time-->





#16

Acetone

Concen: 1.177 ug/l

RT: 3.95 min Scan# 387

Delta R.T. -0.01 min

Lab File: VY000084.D

Acq: 19 Sep 2019 17:52

Instrument :

MSVOA_Y

ClientSampleId :

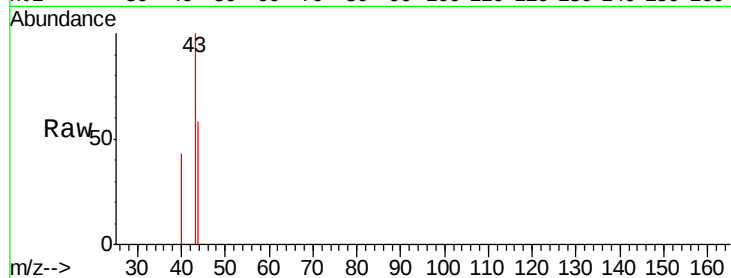
CSA-2-9-4

Tgt Ion: 43 Resp: 321

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

400

300

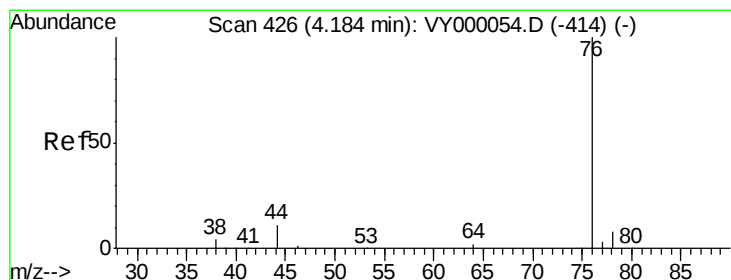
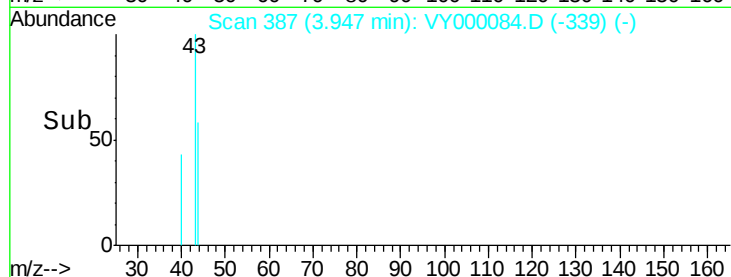
200

100

0

3.90 3.92 3.94 3.96

Time-->



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.17 min Scan# 424

Delta R.T. -0.01 min

Lab File: VY000084.D

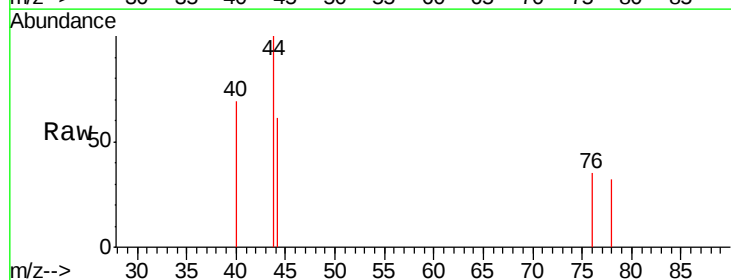
Acq: 19 Sep 2019 17:52

Tgt Ion: 76 Resp: 53

Ion Ratio Lower Upper

76 100

78 90.9 6.6 9.8#



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

80

60

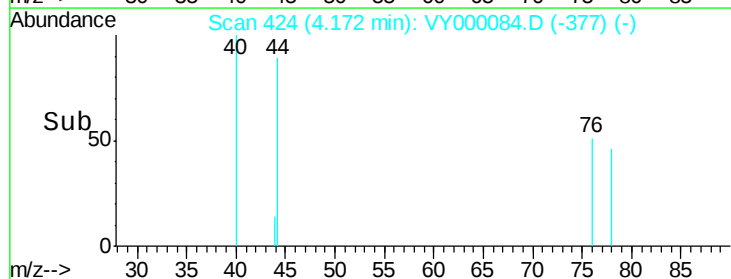
40

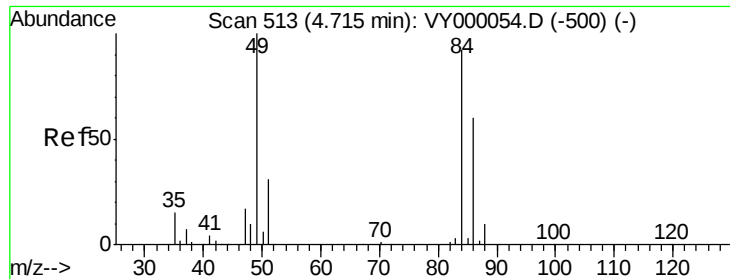
20

0

4.16 4.18 4.20

Time-->

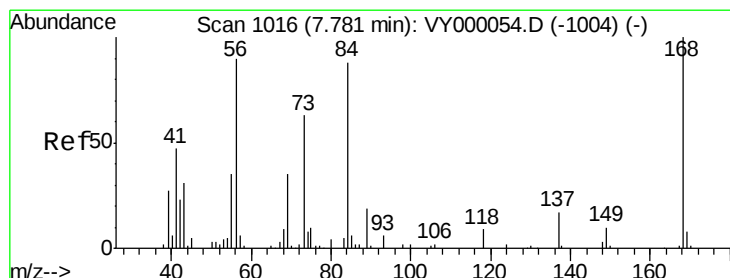
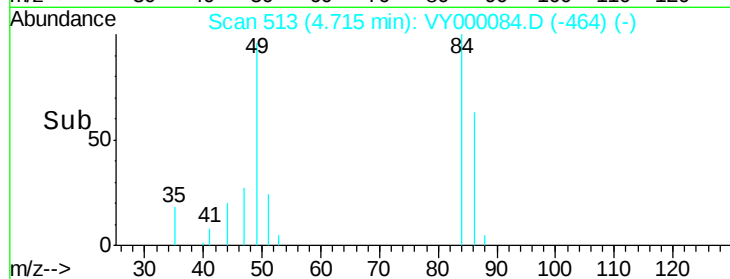
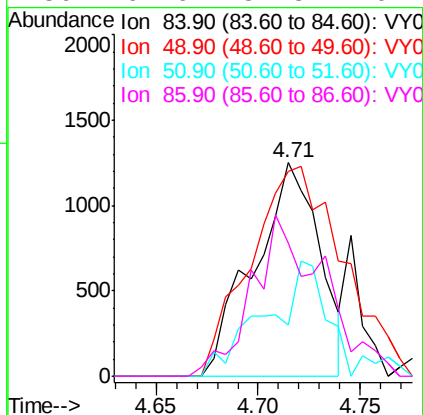
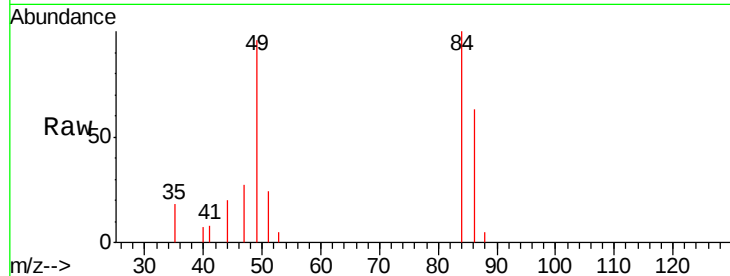




#20
Methylene Chloride
Concen: 2.170 ug/l
RT: 4.71 min Scan# 513
Delta R.T. -0.00 min
Lab File: VY000084.D
Acq: 19 Sep 2019 17:52

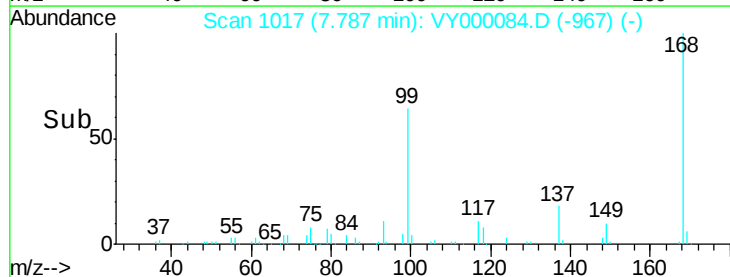
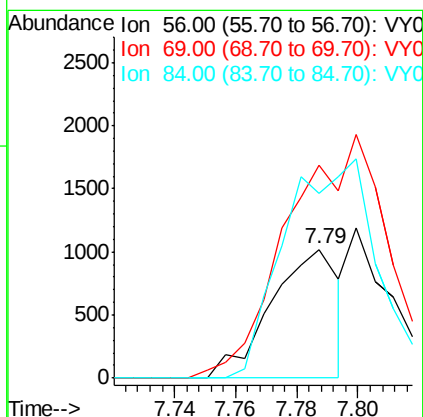
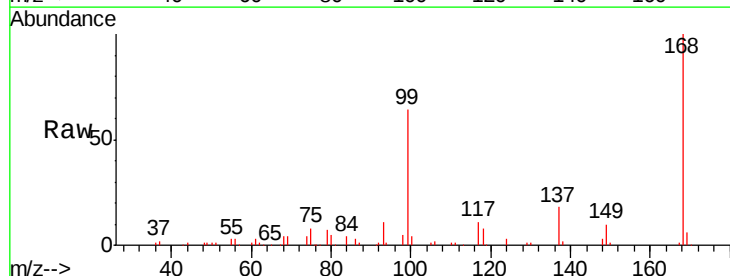
Instrument :
MSVOA_Y
ClientSampleId :
CSA-2-9-4

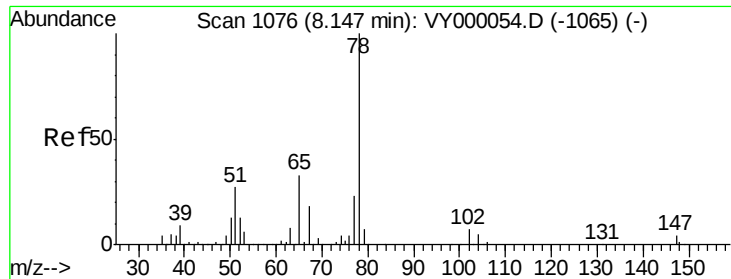
Tgt Ion: 84 Resp: 2784
Ion Ratio Lower Upper
84 100
49 96.1 87.4 131.0
51 23.7 27.2 40.8#
86 62.6 52.8 79.2



#31
Cyclohexane
Concen: Below Cal
RT: 7.79 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VY000084.D
Acq: 19 Sep 2019 17:52

Tgt Ion: 56 Resp: 1571
Ion Ratio Lower Upper
56 100
69 165.6 30.9 46.3#
84 143.7 78.5 117.7#

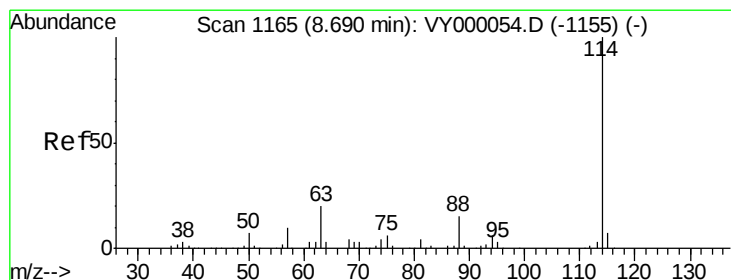
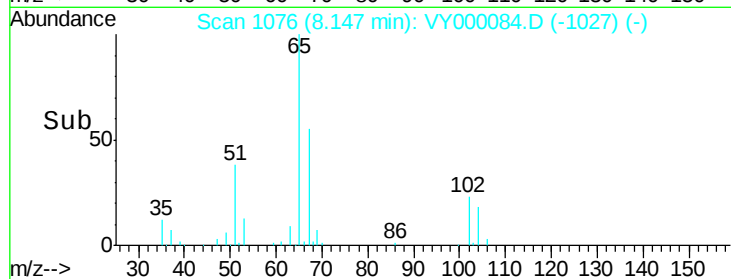
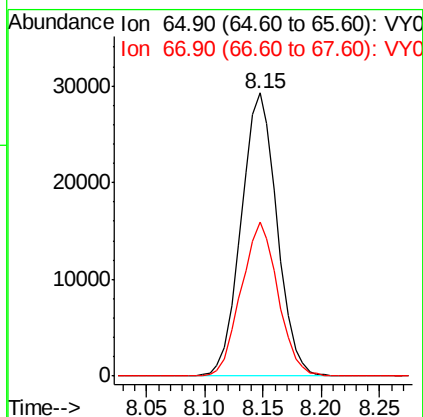
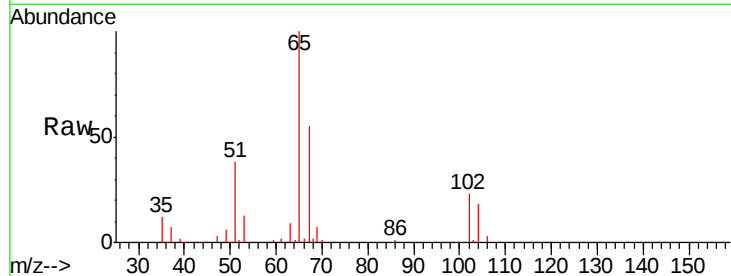




#33
 1,2-Dichloroethane-d4
 Concen: 53.428 ug/l
 RT: 8.15 min Scan# 1076
 Delta R.T. -0.00 min
 Lab File: VY000084.D
 Acq: 19 Sep 2019 17:52

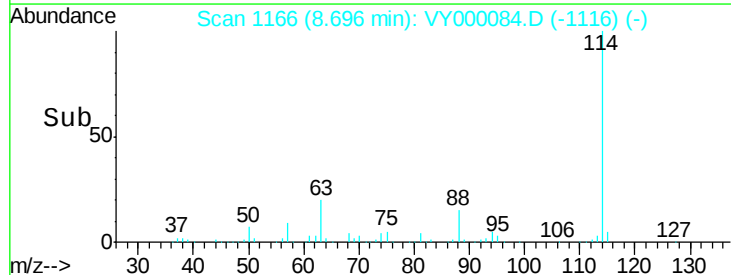
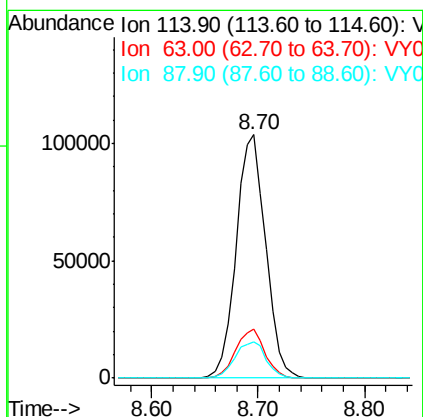
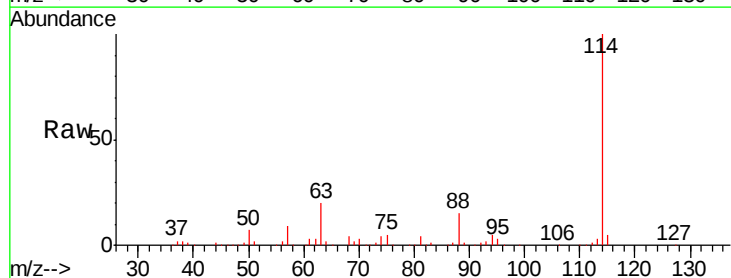
Instrument :
 MSVOA_Y
 ClientSampleId :
 CSA-2-9-4

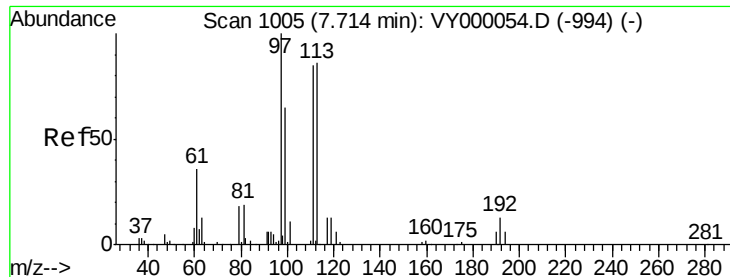
Tgt Ion: 65 Resp: 62589
 Ion Ratio Lower Upper
 65 100
 67 55.9 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1166
 Delta R.T. 0.01 min
 Lab File: VY000084.D
 Acq: 19 Sep 2019 17:52

Tgt Ion: 114 Resp: 201207
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 39.4
 88 15.2 0.0 30.2





#35

Dibromofluoromethane

Concen: 46.736 ug/l

RT: 7.72 min Scan# 1006

Delta R.T. 0.01 min

Lab File: VY000084.D

Acq: 19 Sep 2019 17:52

Instrument :

MSVOA_Y

ClientSampleId :

CSA-2-9-4

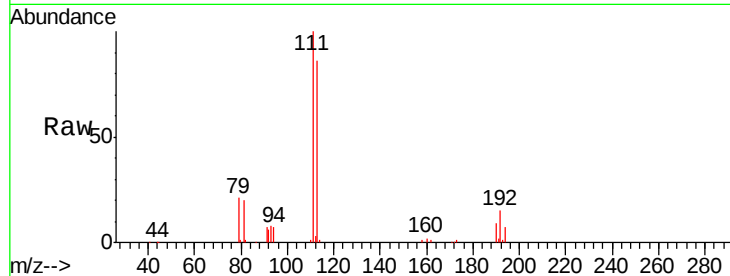
Tgt Ion:113 Resp: 56937

Ion Ratio Lower Upper

113 100

111 108.0 81.7 122.5

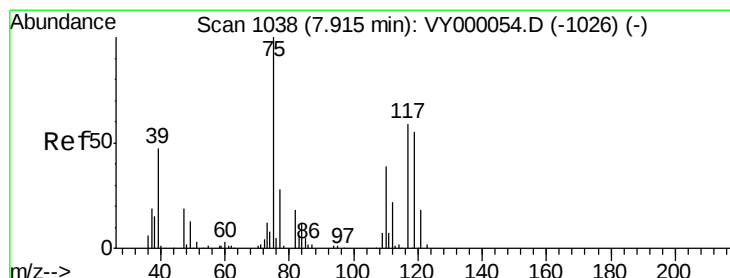
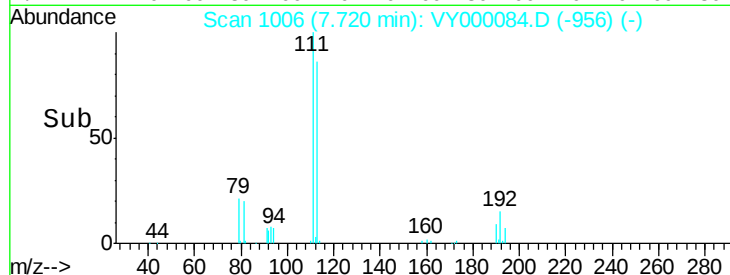
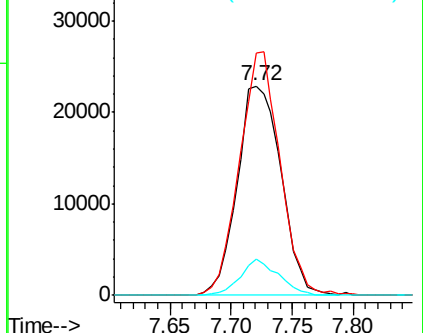
192 15.2 13.4 20.2



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: 5.724 ug/l

RT: 7.79 min Scan# 1018

Delta R.T. -0.12 min

Lab File: VY000084.D

Acq: 19 Sep 2019 17:52

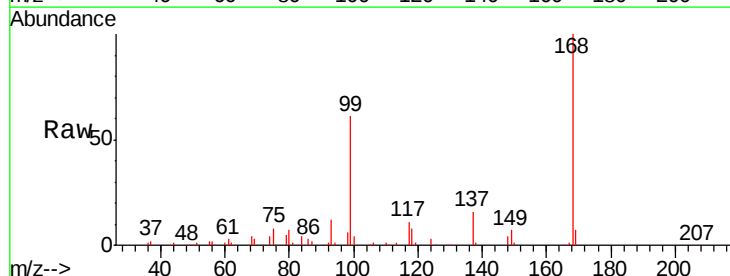
Tgt Ion: 75 Resp: 8611

Ion Ratio Lower Upper

75 100

110 10.6 19.6 58.7#

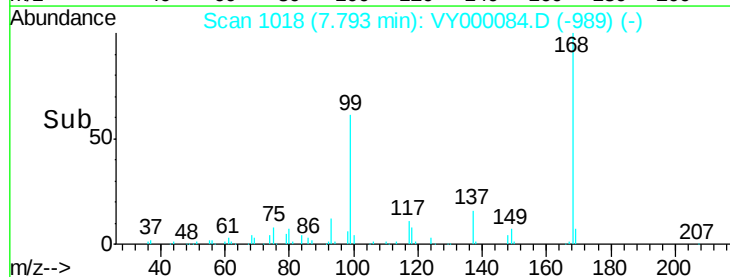
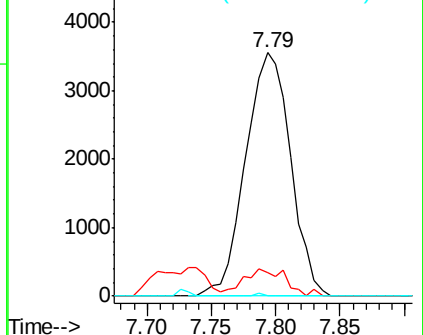
77 0.2 24.3 36.5#

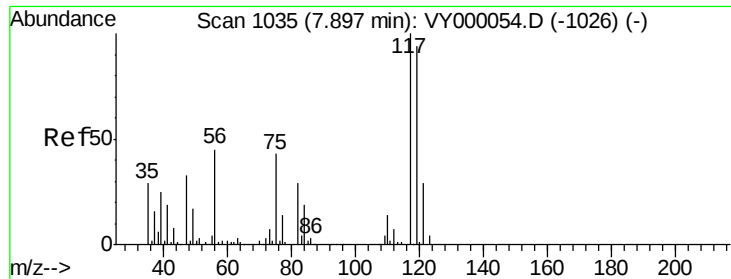


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

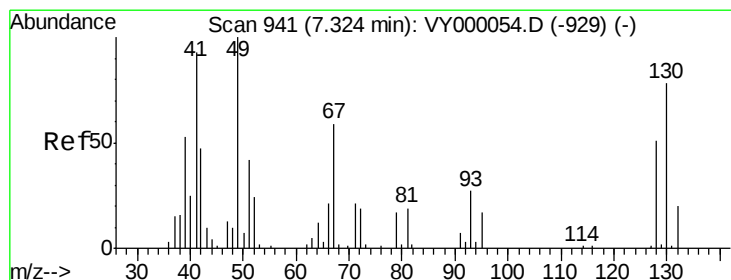
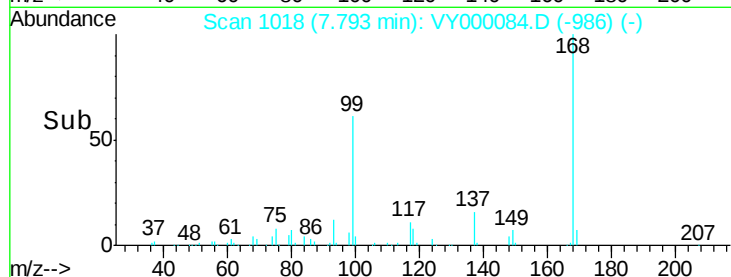
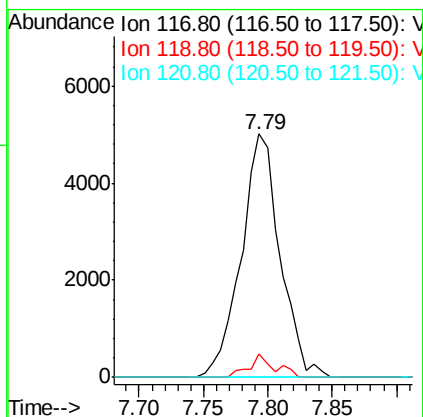
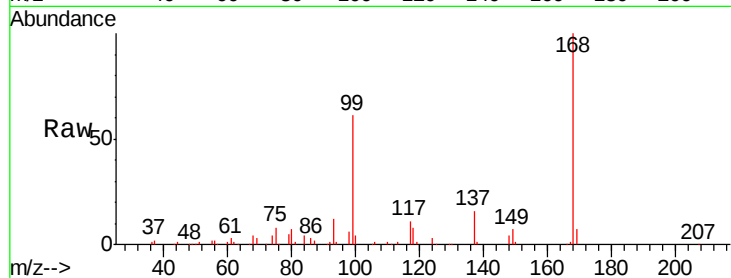




#38
Carbon Tetrachloride
Concen: 7.373 ug/l
RT: 7.79 min Scan# 1018
Delta R.T. -0.10 min
Lab File: VY000084.D
Acq: 19 Sep 2019 17:52

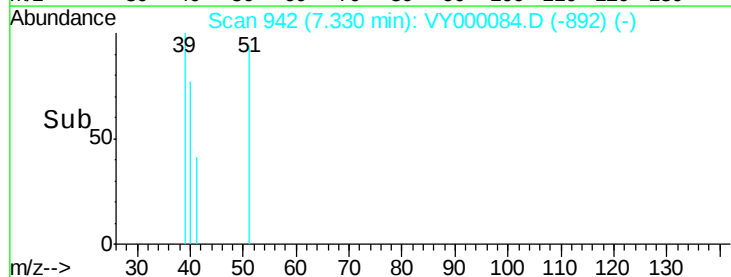
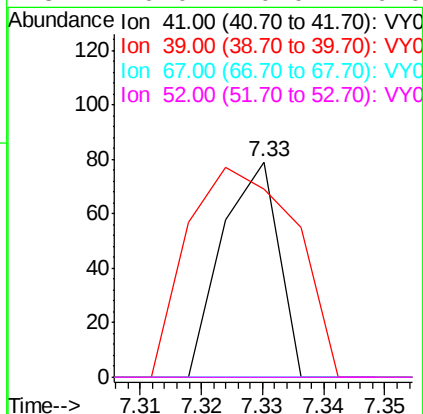
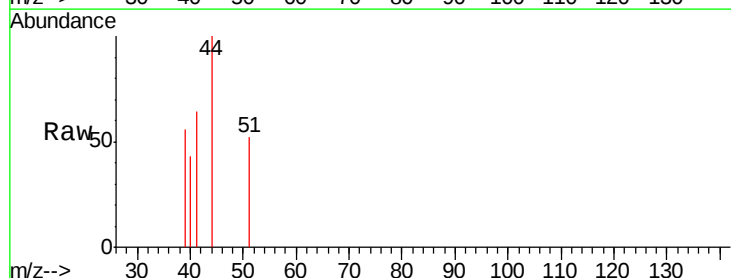
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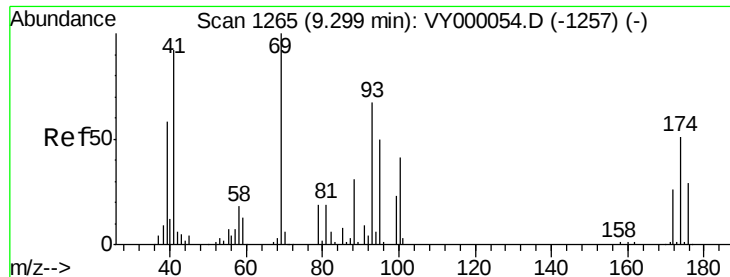
Tgt Ion: 117 Resp: 10469
Ion Ratio Lower Upper
117 100
119 9.6 75.0 112.6#
121 0.0 22.8 34.2#



#41
Methacrylonitrile
Concen: 4.367 ug/l
RT: 7.33 min Scan# 942
Delta R.T. 0.01 min
Lab File: VY000084.D
Acq: 19 Sep 2019 17:52

Tgt Ion: 41 Resp: 50
Ion Ratio Lower Upper
41 100
39 188.0 91.8 137.6#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

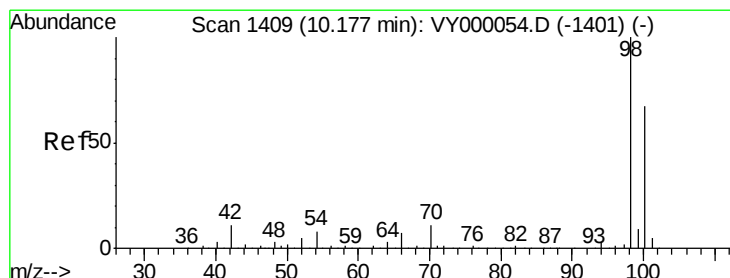
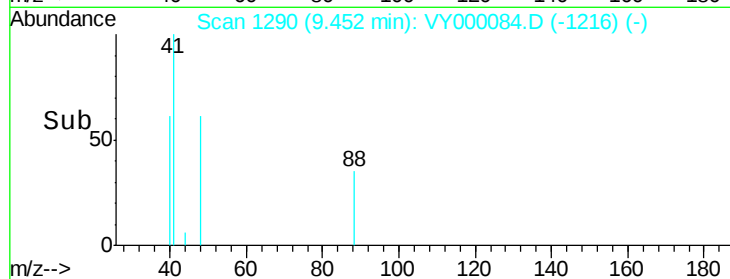
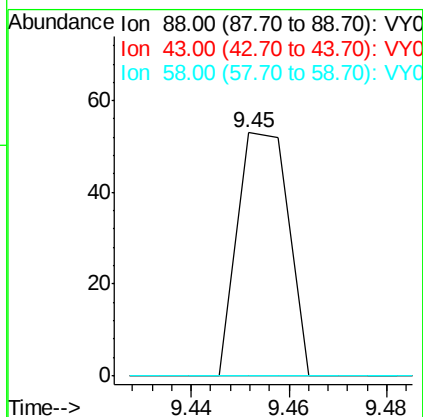
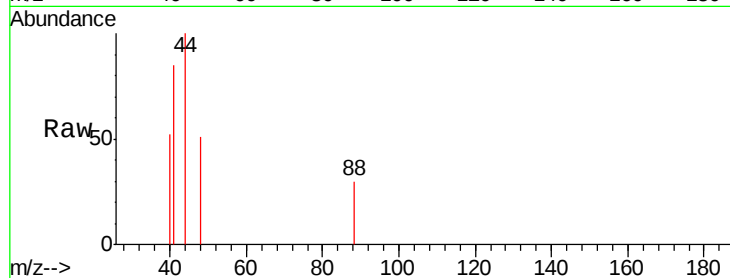




#49
1,4-Dioxane
Concen: 2.784 ug/l
RT: 9.45 min Scan# 1290
Delta R.T. 0.15 min
Lab File: VY000084.D
Acq: 19 Sep 2019 17:52

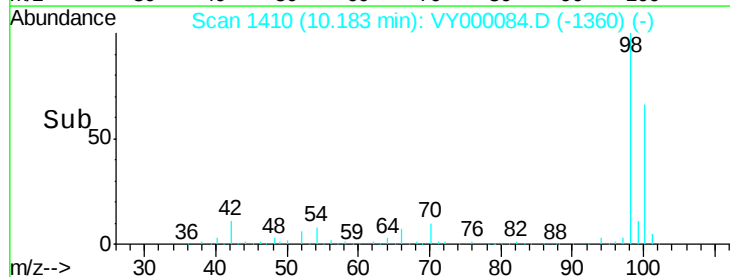
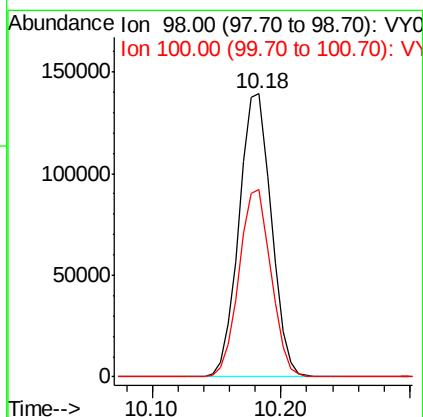
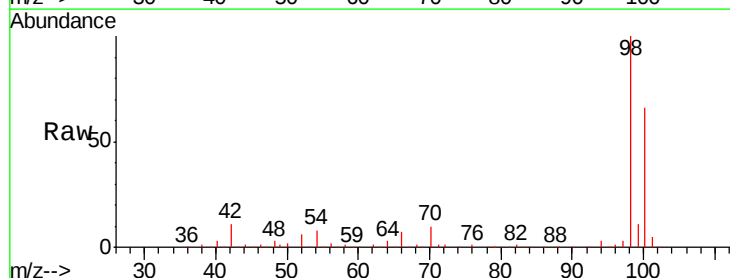
Instrument :
MSVOA_Y
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CSA-2-9-4

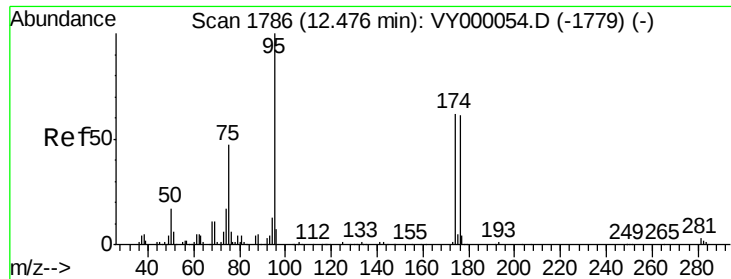
Tgt Ion: 88 Resp: 38
Ion Ratio Lower Upper
88 100
43 0.0 18.7 28.1#
58 0.0 53.0 79.6#



#50
Toluene-d8
Concen: 50.456 ug/l
RT: 10.18 min Scan# 1410
Delta R.T. 0.01 min
Lab File: VY000084.D
Acq: 19 Sep 2019 17:52

Tgt Ion: 98 Resp: 241427
Ion Ratio Lower Upper
98 100
100 65.6 53.1 79.7





#62

4-Bromofluorobenzene

Concen: 43.969 ug/l

RT: 12.48 min Scan# 1787

Delta R.T. 0.01 min

Lab File: VY000084.D

Acq: 19 Sep 2019 17:52

Instrument :

MSVOA_Y

ClientSampleId :

CSA-2-9-4

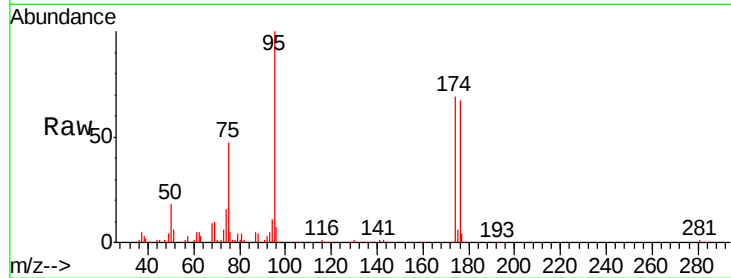
Tgt Ion: 95 Resp: 78111

Ion Ratio Lower Upper

95 100

174 67.0 0.0 137.2

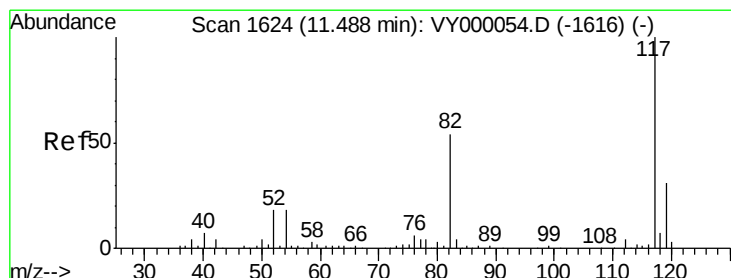
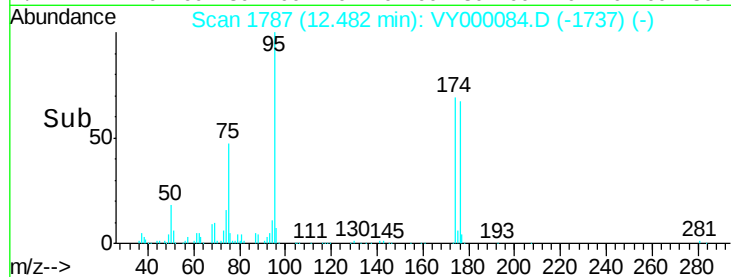
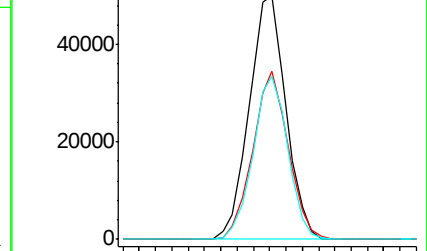
176 63.7 0.0 135.0



Abundance Ion 94.90 (94.60 to 95.60): VY000054.D (-1779) (-)

Ion 173.80 (173.50 to 174.50): VY000054.D (-1779) (-)

Ion 175.80 (175.50 to 176.50): VY000054.D (-1779) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1624

Delta R.T. -0.00 min

Lab File: VY000084.D

Acq: 19 Sep 2019 17:52

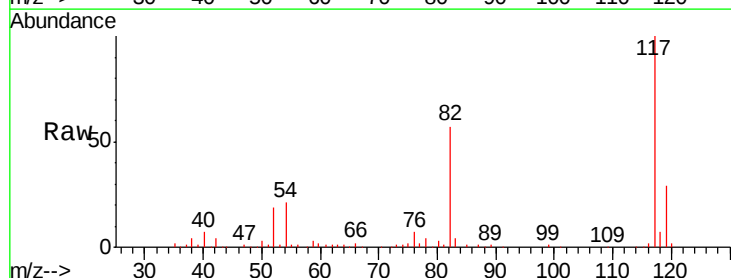
Tgt Ion: 117 Resp: 174205

Ion Ratio Lower Upper

117 100

82 57.2 43.5 65.3

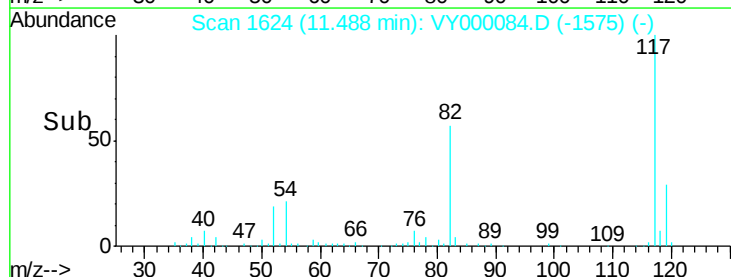
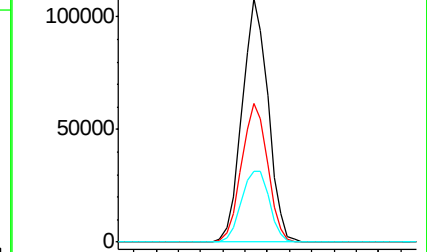
119 29.2 24.6 36.8

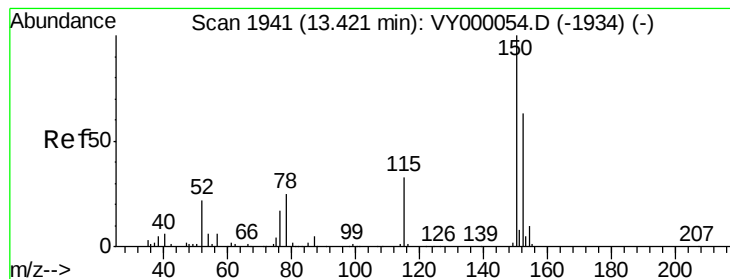


Abundance Ion 116.90 (116.60 to 117.60): VY000054.D (-1616) (-)

Ion 82.00 (81.70 to 82.70): VY000054.D (-1616) (-)

Ion 118.90 (118.60 to 119.60): VY000054.D (-1616) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1941

Delta R.T. -0.00 min

Lab File: VY000084.D

Acq: 19 Sep 2019 17:52

Instrument :

MSVOA_Y

ClientSampleId :

CSA-2-9-4

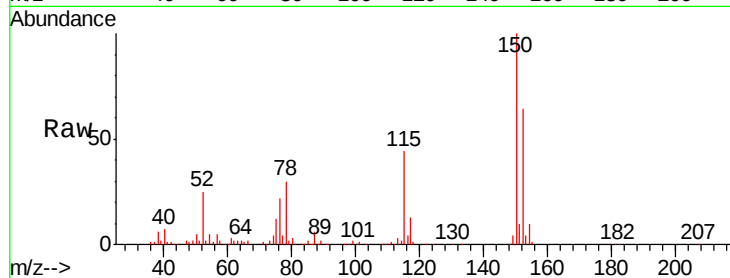
Tgt Ion:152 Resp: 65506

Ion Ratio Lower Upper

152 100

115 65.3 30.7 92.1

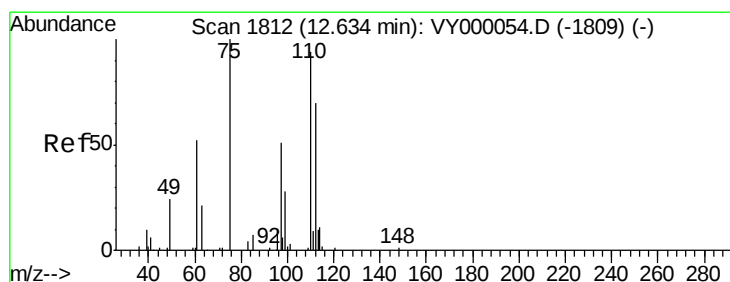
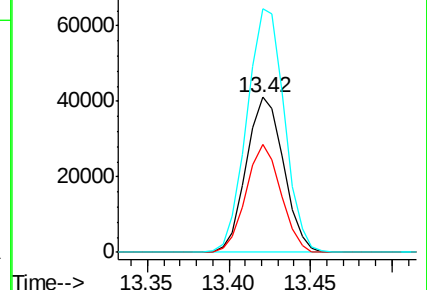
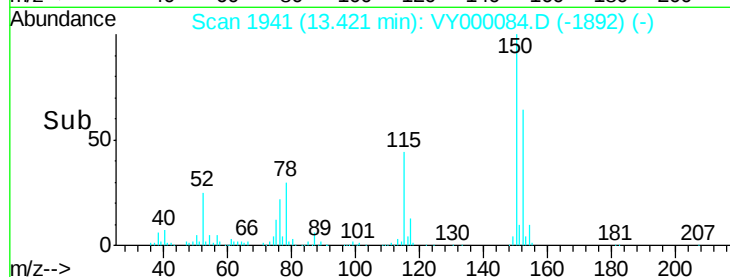
150 158.1 0.0 351.6



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: 42.168 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.16 min

Lab File: VY000084.D

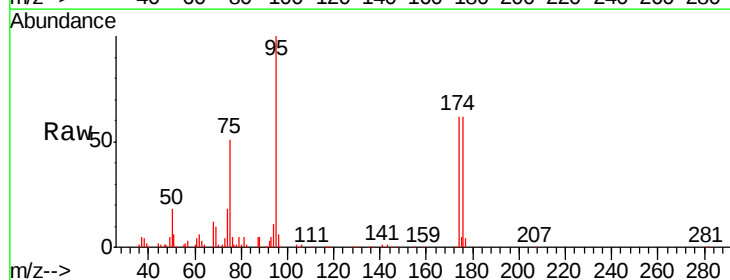
Acq: 19 Sep 2019 17:52

Tgt Ion: 75 Resp: 38865

Ion Ratio Lower Upper

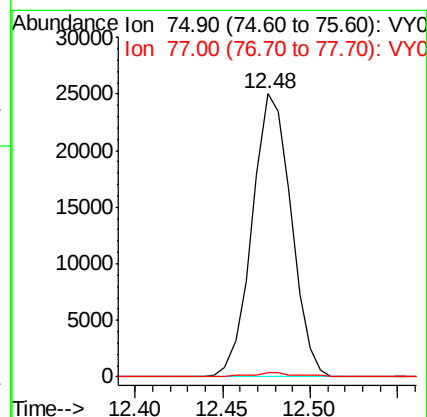
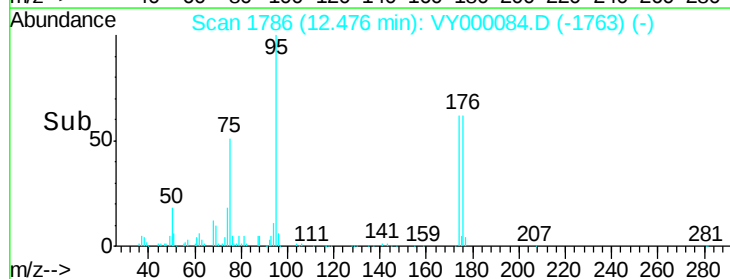
75 100

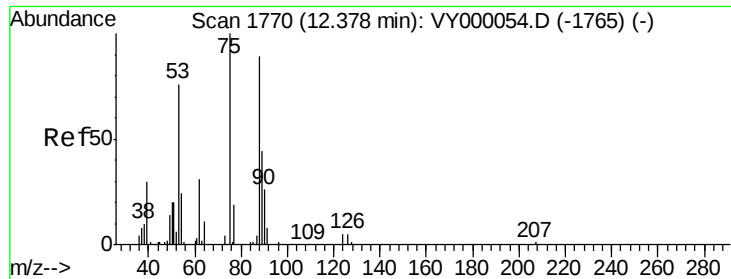
77 1.8 0.0 0.0#



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: 81.100 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. 0.10 min

Lab File: VY000084.D

Acq: 19 Sep 2019 17:52

Instrument :

MSVOA_Y

ClientSampleId :

CSA-2-9-4

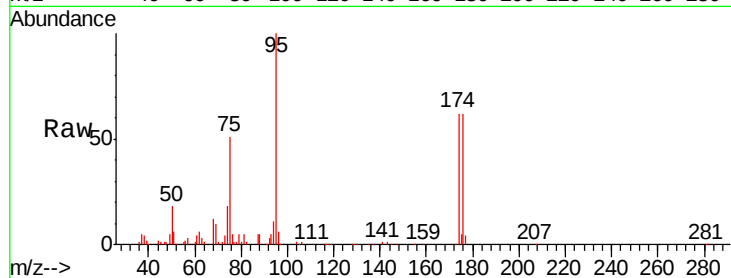
Tgt Ion: 75 Resp: 38865

Ion Ratio Lower Upper

75 100

53 0.1 60.9 91.3#

89 0.1 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

