

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY091919\
 Data File : VY000090.D
 Acq On : 19 Sep 2019 20:12
 Operator : SY/MD
 Sample : K4862-09
 Misc : 5.17g/5.00ml/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CSA-4-1.5

Quant Time: Sep 20 01:58:32 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	91731	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	192341	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	141108	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	40582	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	56608	53.64	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.28%	
35) Dibromofluoromethane	7.72	113	54986	47.22	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.44%	
50) Toluene-d8	10.18	98	210369	45.99	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	91.98%	
62) 4-Bromofluorobenzene	12.48	95	56572	33.31	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	66.62%	

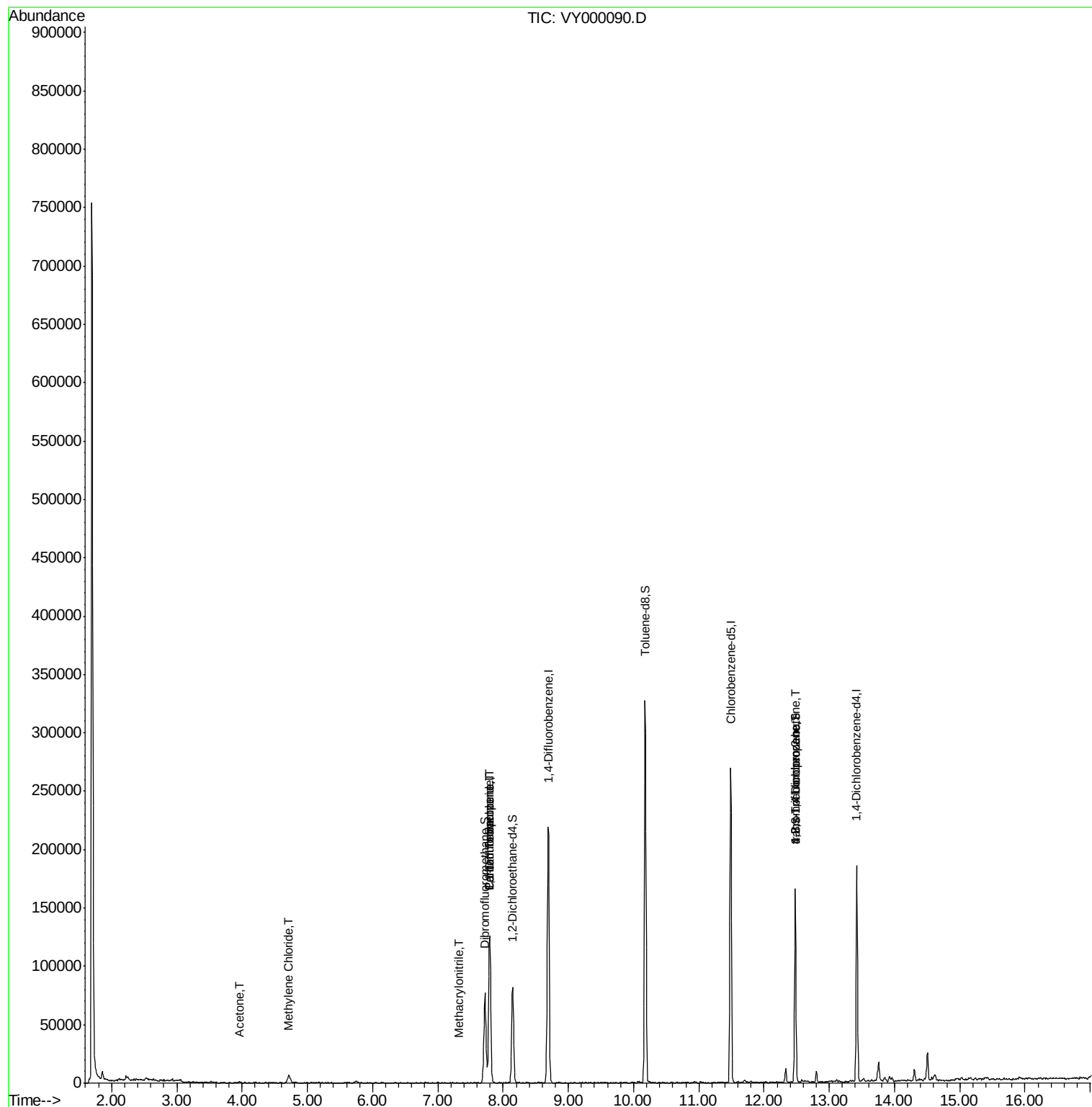
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.11	50	670	Below Cal		99
5) Bromomethane	2.62	94	122	Below Cal	#	6
13) Acrolein	3.93	56	31	Below Cal	#	13
16) Acetone	3.96	43	997	4.057	ug/l #	60
17) Carbon Disulfide	4.18	76	290	Below Cal	#	77
20) Methylene Chloride	4.71	84	5380	4.654	ug/l	91
31) Cyclohexane	7.79	56	2612	Below Cal	#	36
36) 1,1-Dichloropropene	7.79	75	8804	6.122	ug/l #	43
38) Carbon Tetrachloride	7.79	117	9815	7.231	ug/l #	21
41) Methacrylonitrile	7.34	41	31	4.346	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	28778	50.401	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	28778	96.933	ug/l #	19

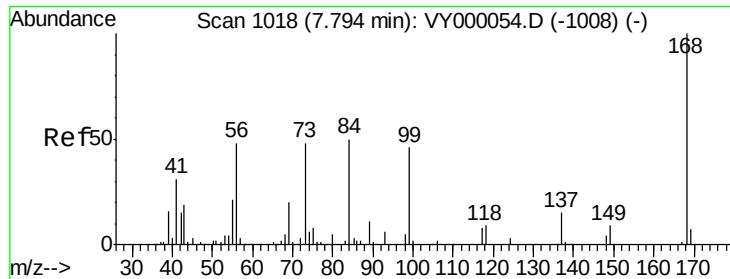
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY000090.D

Acq: 19 Sep 2019 20:12

Instrument :

MSVOA_Y

ClientSampleId :

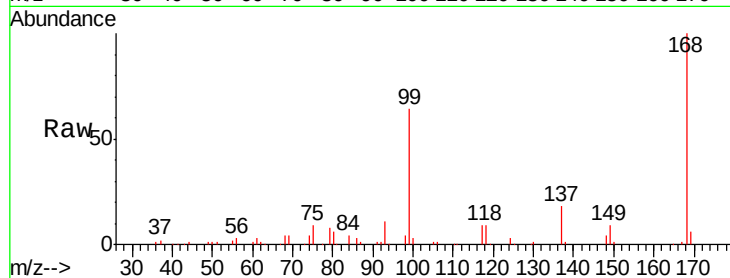
CSA-4-1.5

Tgt Ion:168 Resp: 91731

Ion Ratio Lower Upper

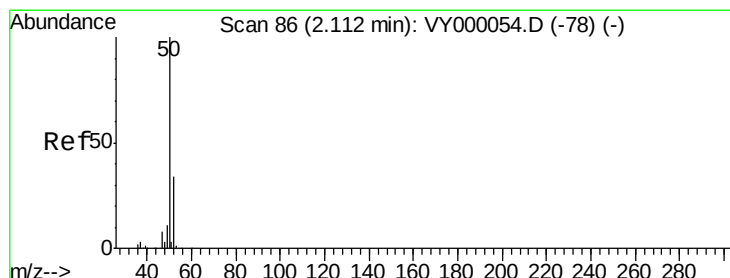
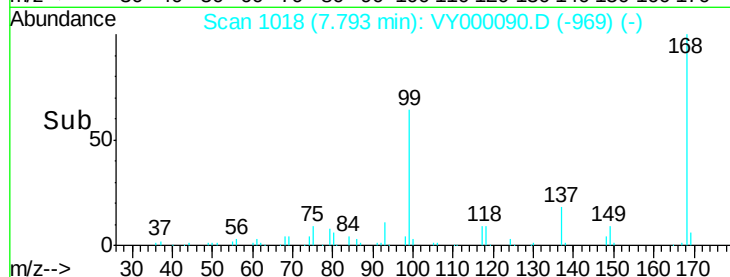
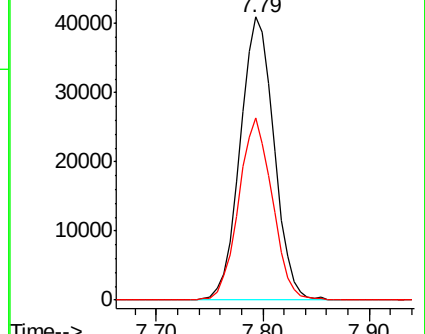
168 100

99 64.4 44.2 66.2



Abundance Ion 167.90 (167.60 to 168.60): VY000090.D (-969) (-)

Ion 98.90 (98.60 to 99.60): VY000090.D (-969) (-)



#3

Chloromethane

Concen: Below Cal

RT: 2.11 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY000090.D

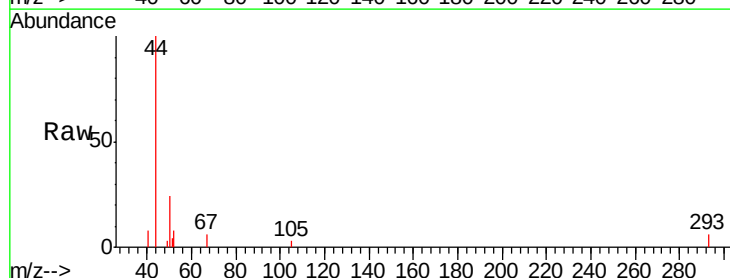
Acq: 19 Sep 2019 20:12

Tgt Ion: 50 Resp: 670

Ion Ratio Lower Upper

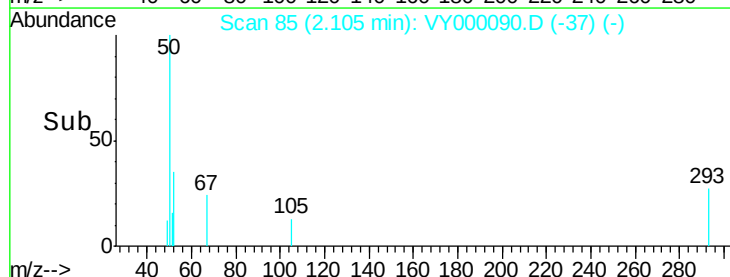
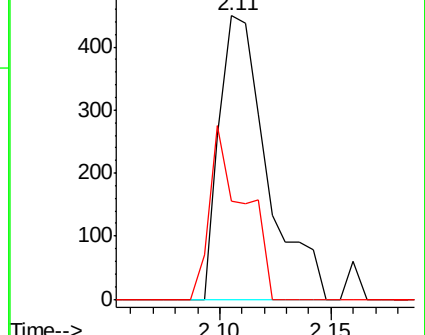
50 100

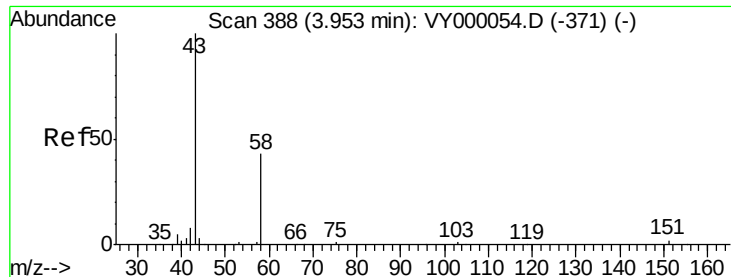
52 34.7 27.3 40.9



Abundance Ion 49.90 (49.60 to 50.60): VY000090.D (-37) (-)

Ion 51.90 (51.60 to 52.60): VY000090.D (-37) (-)





#16

Acetone

Concen: 4.057 ug/l

RT: 3.96 min Scan# 390

Delta R.T. 0.01 min

Lab File: VY000090.D

Acq: 19 Sep 2019 20:12

Instrument :

MSVOA_Y

ClientSampled :

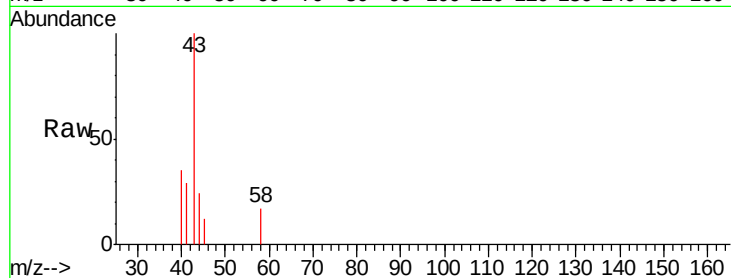
CSA-4-1.5

Tgt Ion: 43 Resp: 997

Ion Ratio Lower Upper

43 100

58 17.5 34.5 51.7#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

3.96

500

400

300

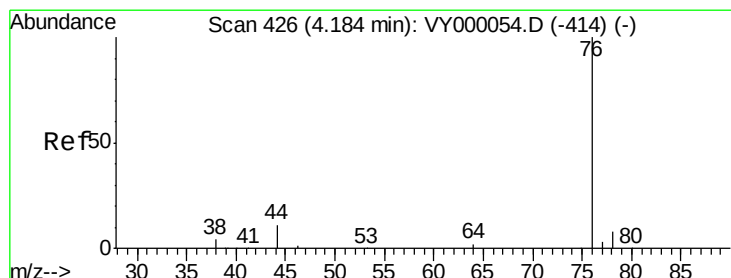
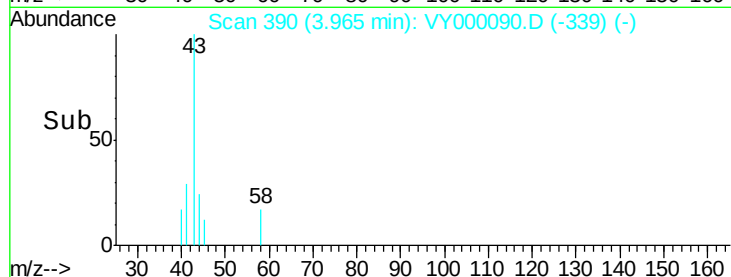
200

100

0

3.90 3.95 4.00 4.05

Time-->



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.18 min Scan# 426

Delta R.T. 0.00 min

Lab File: VY000090.D

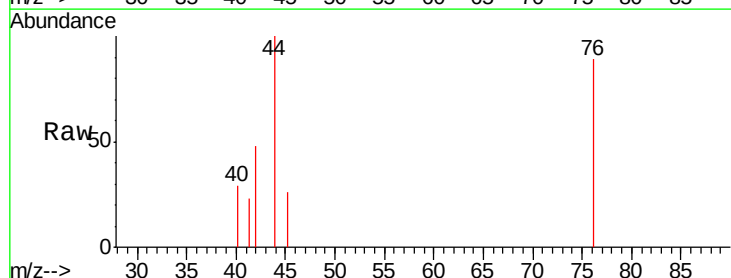
Acq: 19 Sep 2019 20:12

Tgt Ion: 76 Resp: 290

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

4.18

200

150

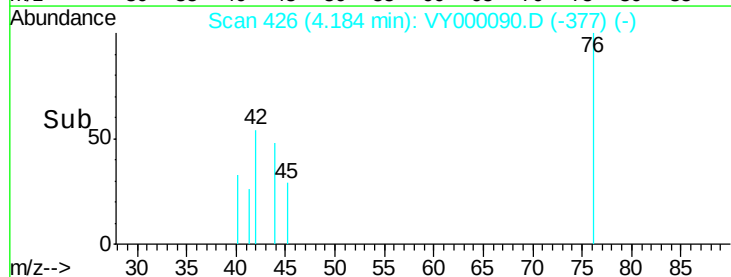
100

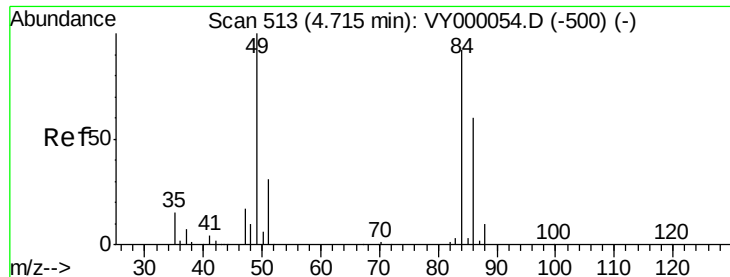
50

0

4.15 4.20

Time-->

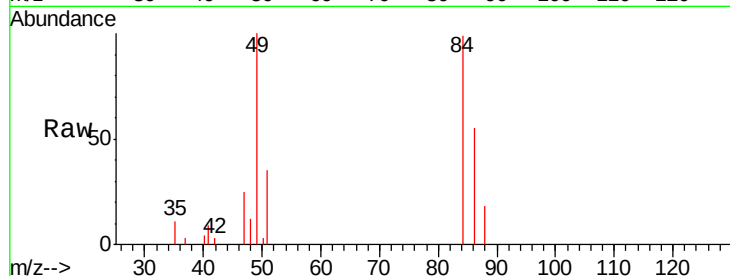




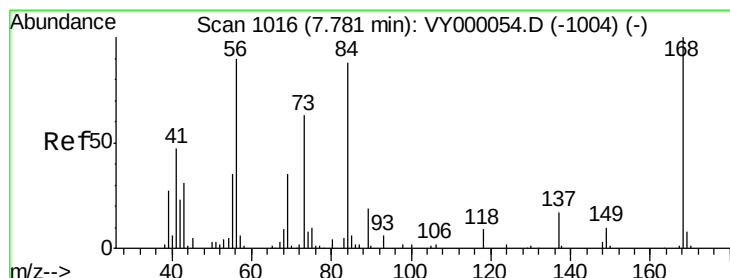
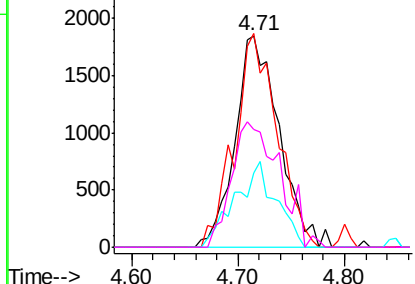
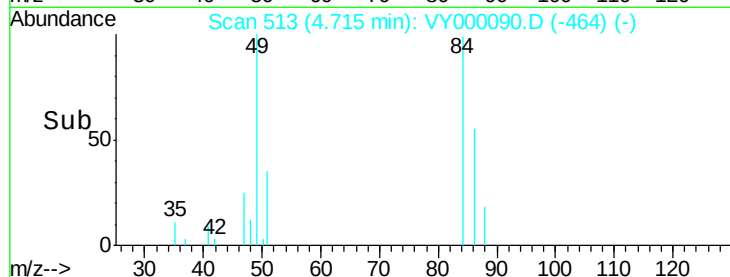
#20
Methylene Chloride
Concen: 4.654 ug/l
RT: 4.71 min Scan# 513
Delta R.T. -0.00 min
Lab File: VY000090.D
Acq: 19 Sep 2019 20:12

Instrument :
MSVOA_Y
ClientSampleId :
CSA-4-1.5

Tgt Ion: 84 Resp: 5380
Ion Ratio Lower Upper
84 100
49 100.9 87.4 131.0
51 34.9 27.2 40.8
86 55.5 52.8 79.2

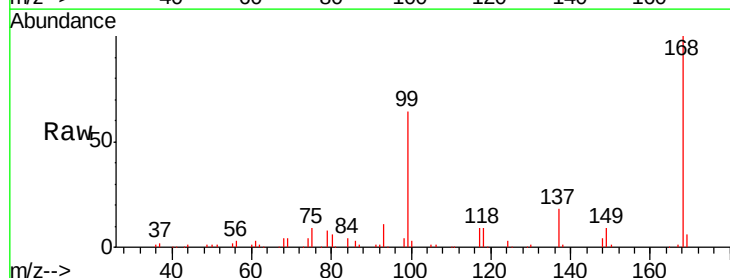


Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0

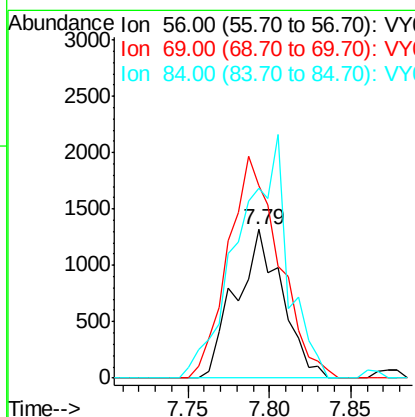
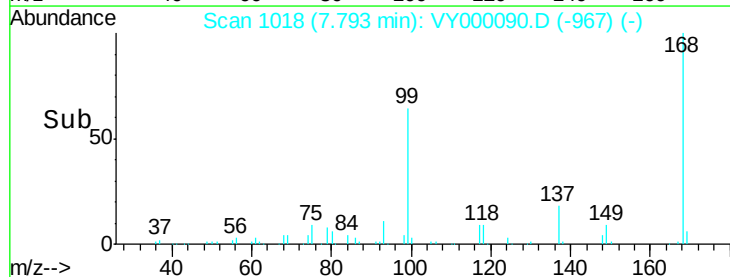


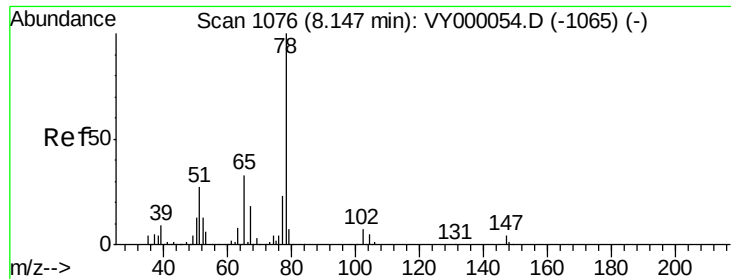
#31
Cyclohexane
Concen: Below Cal
RT: 7.79 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VY000090.D
Acq: 19 Sep 2019 20:12

Tgt Ion: 56 Resp: 2612
Ion Ratio Lower Upper
56 100
69 129.5 30.9 46.3#
84 127.6 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: 53.638 ug/l

RT: 8.14 min Scan# 1075

Delta R.T. -0.01 min

Lab File: VY000090.D

Acq: 19 Sep 2019 20:12

Instrument :

MSVOA_Y

ClientSampleId :

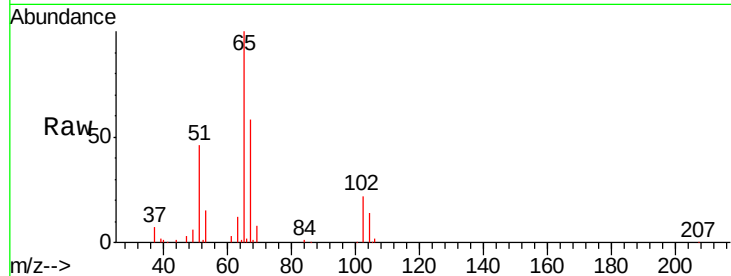
CSA-4-1.5

Tgt Ion: 65 Resp: 56608

Ion Ratio Lower Upper

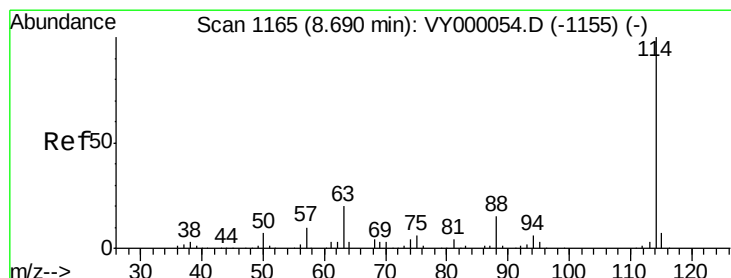
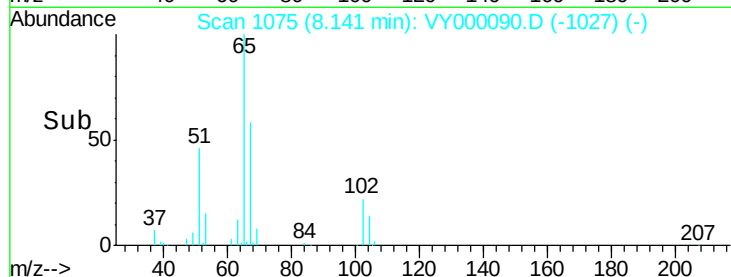
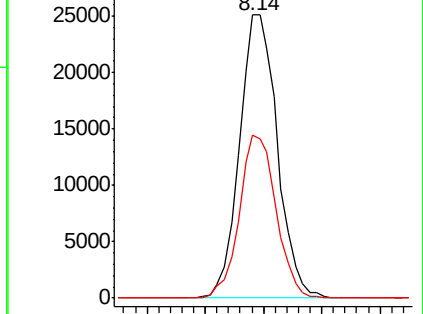
65 100

67 55.9 0.0 111.0



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# 1166

Delta R.T. 0.01 min

Lab File: VY000090.D

Acq: 19 Sep 2019 20:12

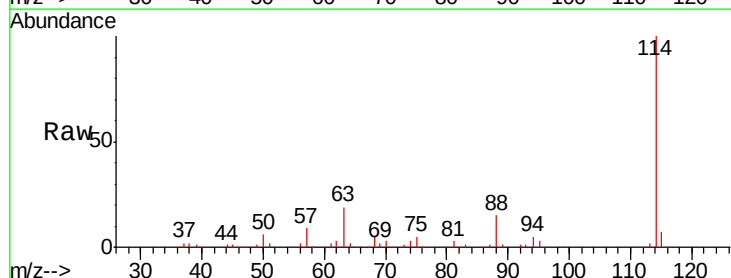
Tgt Ion: 114 Resp: 192341

Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.4

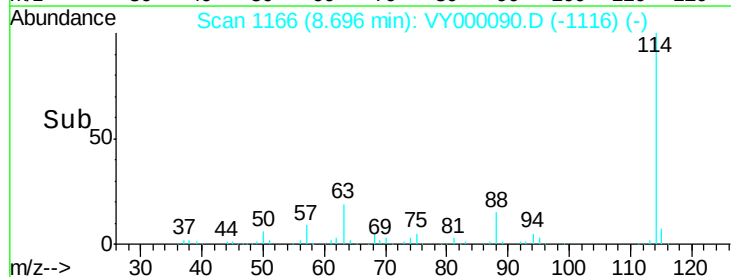
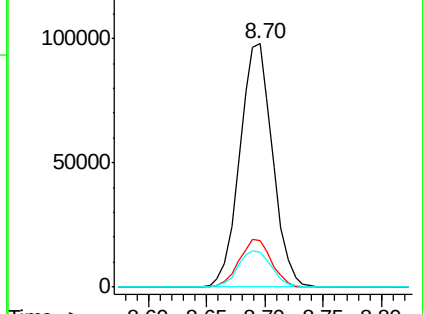
88 14.6 0.0 30.2

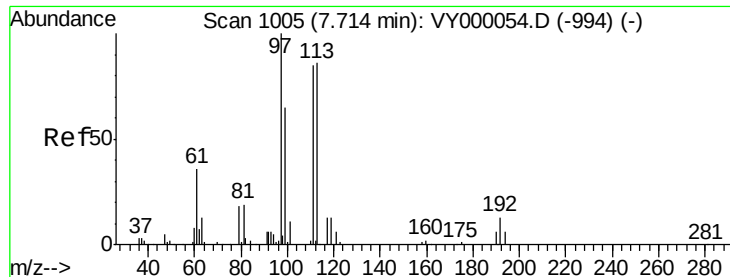


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0





#35

Dibromofluoromethane

Concen: 47.215 ug/l

RT: 7.72 min Scan# 1006

Delta R.T. 0.01 min

Lab File: VY000090.D

Acq: 19 Sep 2019 20:12

Instrument :

MSVOA_Y

ClientSampleId :

CSA-4-1.5

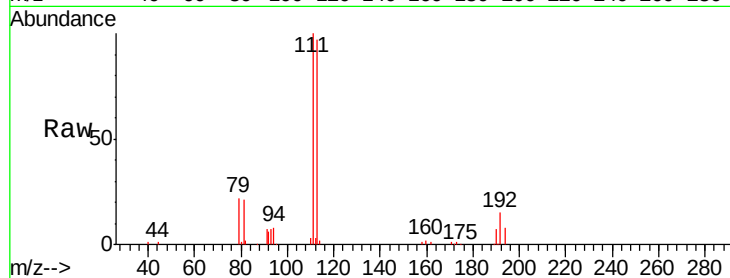
Tgt Ion:113 Resp: 54986

Ion Ratio Lower Upper

113 100

111 101.7 81.7 122.5

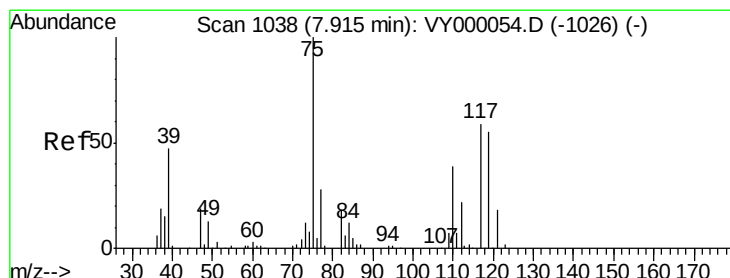
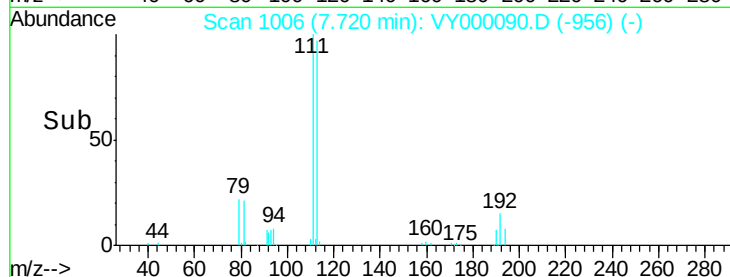
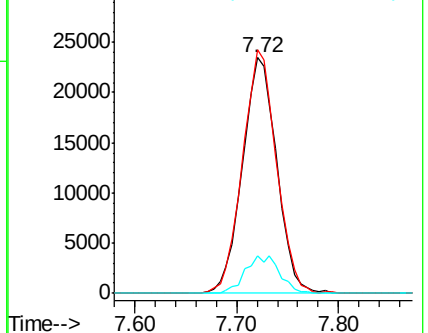
192 16.0 13.4 20.2



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: 6.122 ug/l

RT: 7.79 min Scan# 1018

Delta R.T. -0.12 min

Lab File: VY000090.D

Acq: 19 Sep 2019 20:12

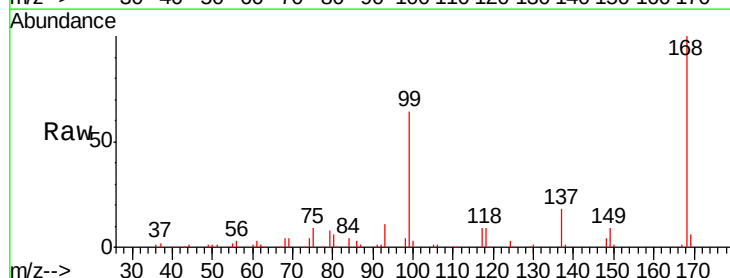
Tgt Ion: 75 Resp: 8804

Ion Ratio Lower Upper

75 100

110 2.8 19.6 58.7#

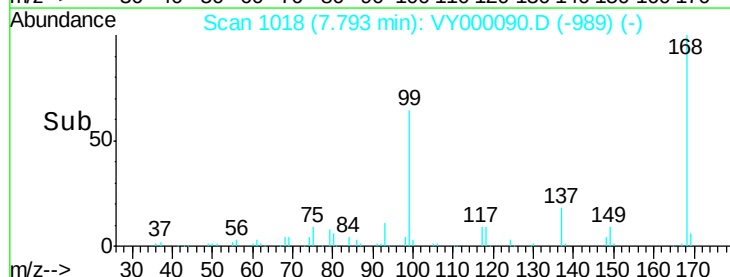
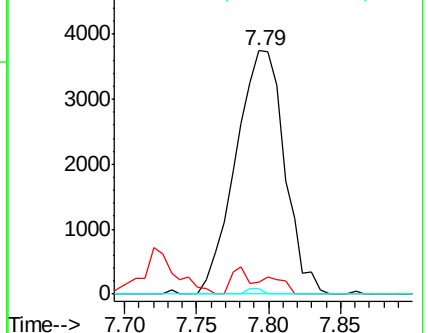
77 0.7 24.3 36.5#

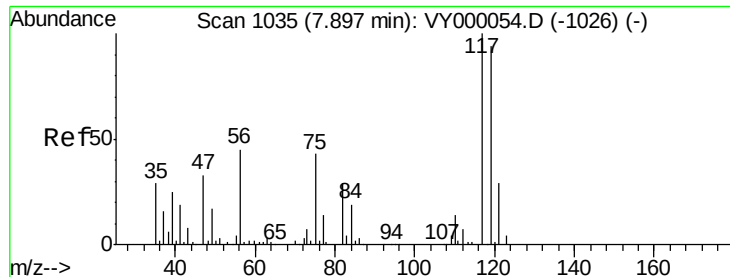


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

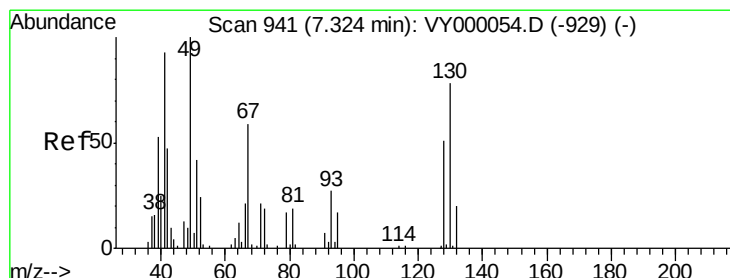
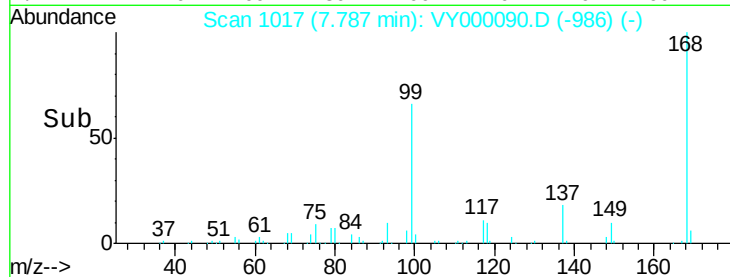
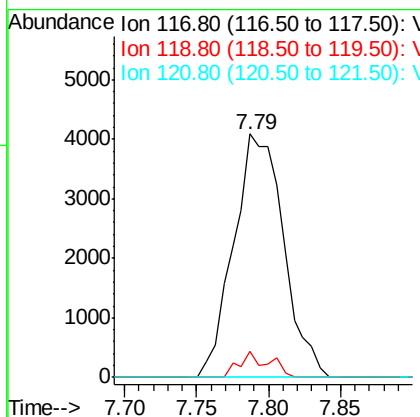
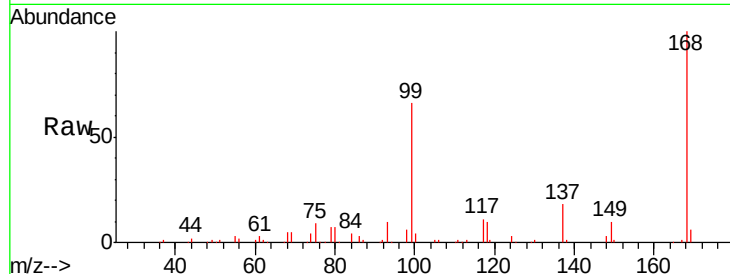




#38
Carbon Tetrachloride
Concen: 7.231 ug/l
RT: 7.79 min Scan# 1017
Delta R.T. -0.11 min
Lab File: VY000090.D
Acq: 19 Sep 2019 20:12

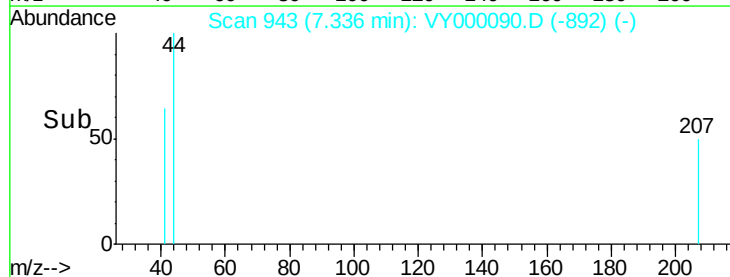
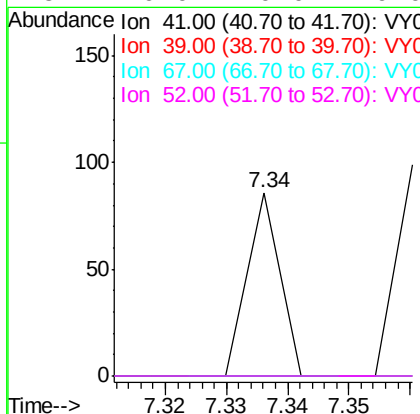
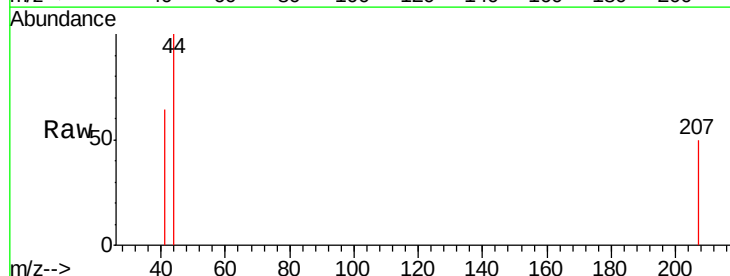
Instrument :
MSVOA_Y
ClientSampled :
CSA-4-1.5

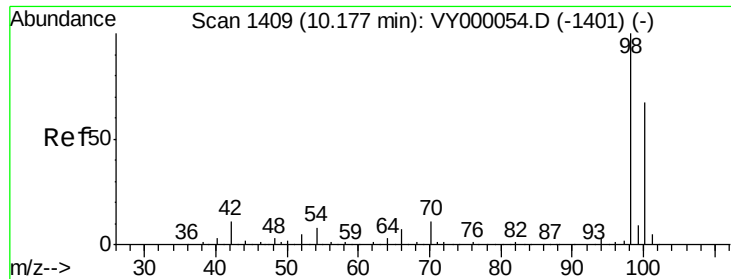
Tgt Ion: 117 Resp: 9815
Ion Ratio Lower Upper
117 100
119 10.6 75.0 112.6#
121 0.0 22.8 34.2#



#41
Methacrylonitrile
Concen: 4.346 ug/l
RT: 7.34 min Scan# 943
Delta R.T. 0.01 min
Lab File: VY000090.D
Acq: 19 Sep 2019 20:12

Tgt Ion: 41 Resp: 31
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

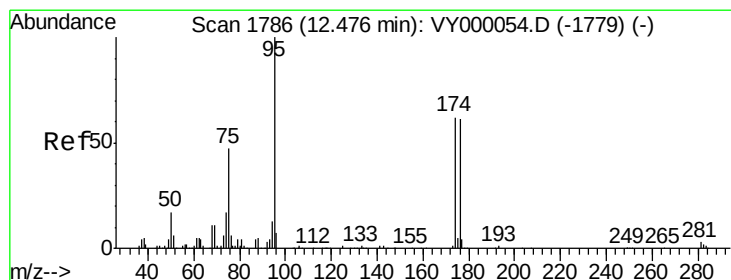
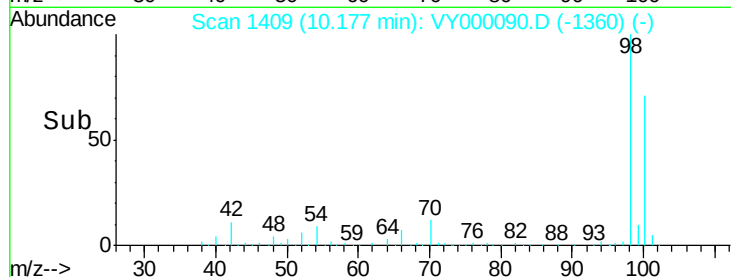
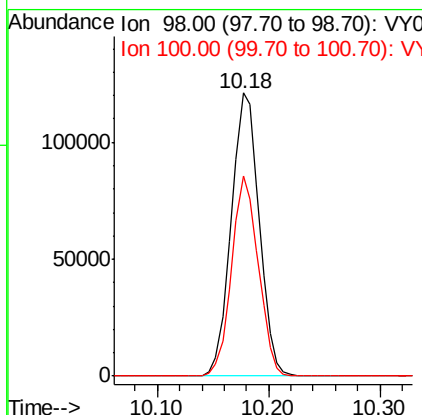
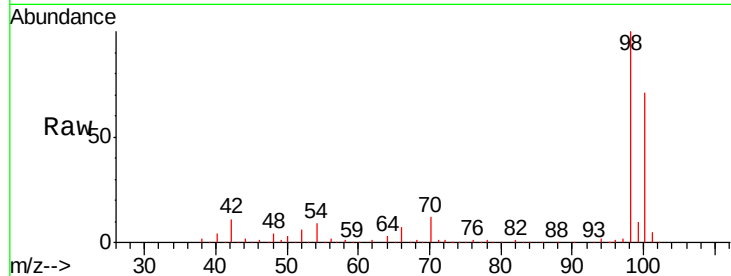




#50
Toluene-d8
Concen: 45.992 ug/l
RT: 10.18 min Scan# 1409
Delta R.T. -0.00 min
Lab File: VY000090.D
Acq: 19 Sep 2019 20:12

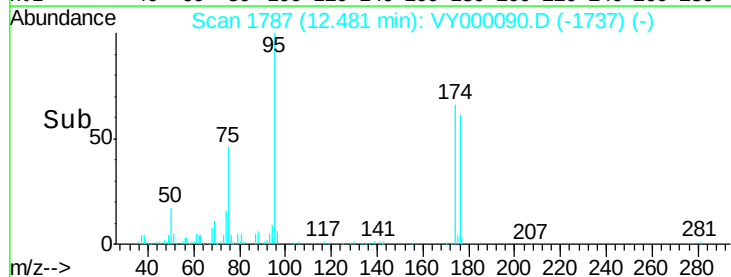
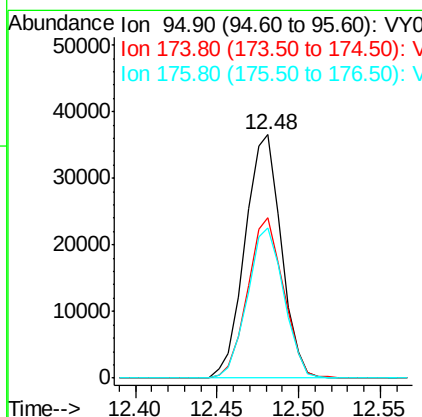
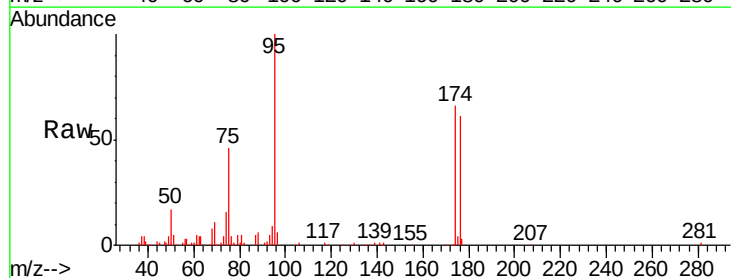
Instrument :
MSVOA_Y
ClientSampleId :
CSA-4-1.5

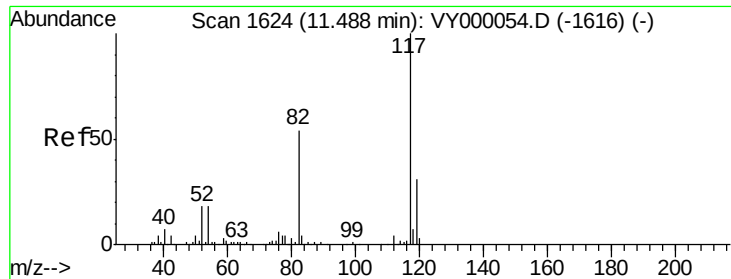
Tgt Ion: 98 Resp: 210369
Ion Ratio Lower Upper
98 100
100 67.6 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 33.312 ug/l
RT: 12.48 min Scan# 1787
Delta R.T. 0.01 min
Lab File: VY000090.D
Acq: 19 Sep 2019 20:12

Tgt Ion: 95 Resp: 56572
Ion Ratio Lower Upper
95 100
174 65.4 0.0 137.2
176 62.2 0.0 135.0

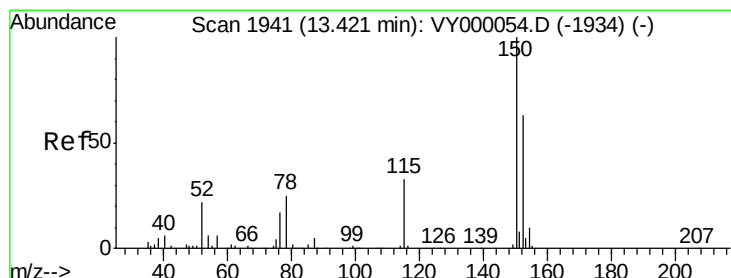
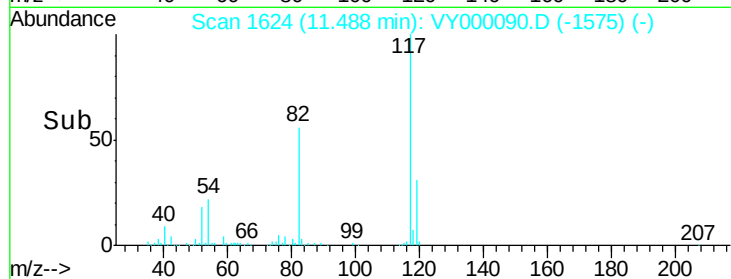
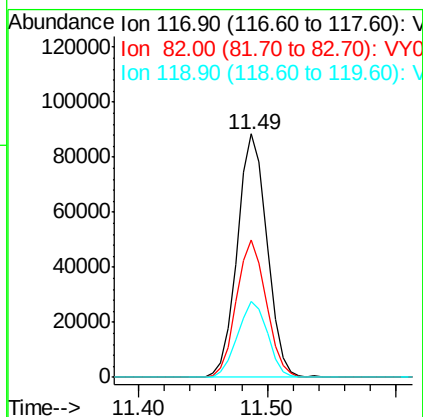
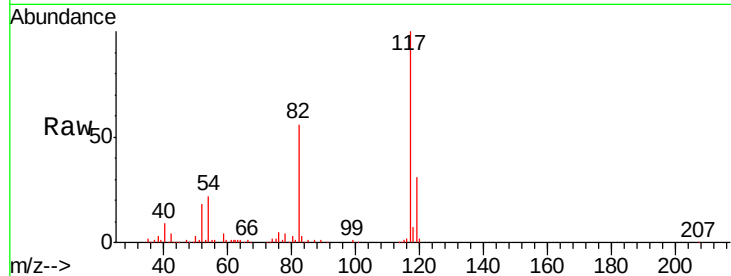




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1624
Delta R.T. -0.00 min
Lab File: VY000090.D
Acq: 19 Sep 2019 20:12

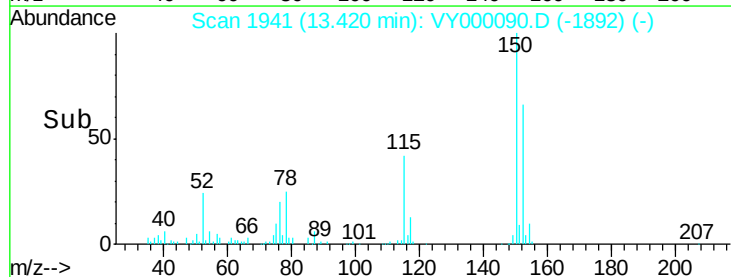
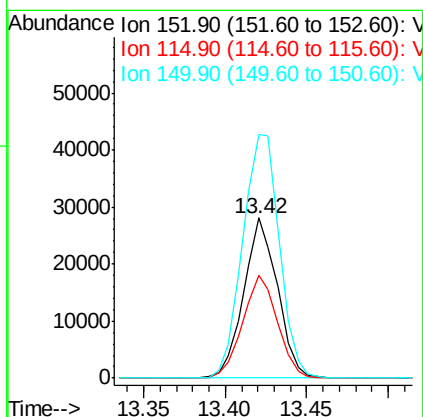
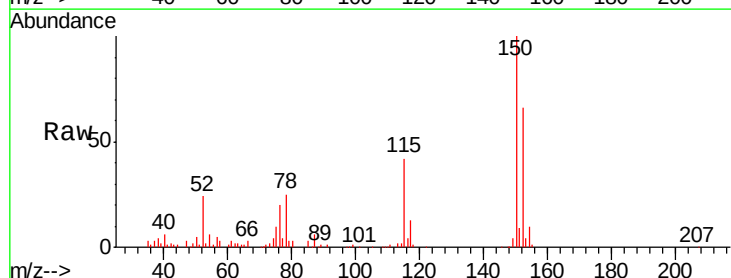
Instrument :
MSVOA_Y
ClientSampleId :
CSA-4-1.5

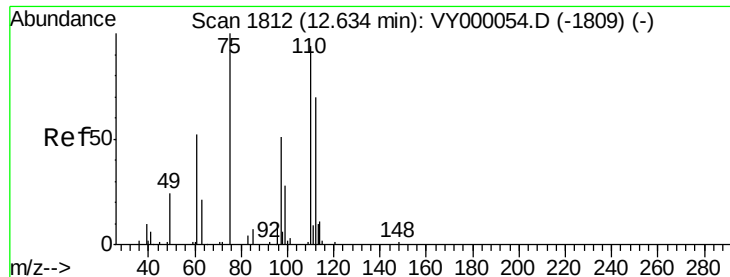
Tgt Ion:117 Resp: 141108
Ion Ratio Lower Upper
117 100
82 56.2 43.5 65.3
119 31.0 24.6 36.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1941
Delta R.T. -0.00 min
Lab File: VY000090.D
Acq: 19 Sep 2019 20:12

Tgt Ion:152 Resp: 40582
Ion Ratio Lower Upper
152 100
115 66.0 30.7 92.1
150 165.4 0.0 351.6





#76

1,2,3-Trichloropropane

Concen: 50.401 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.16 min

Lab File: VY000090.D

Acq: 19 Sep 2019 20:12

Instrument :

MSVOA_Y

ClientSampleId :

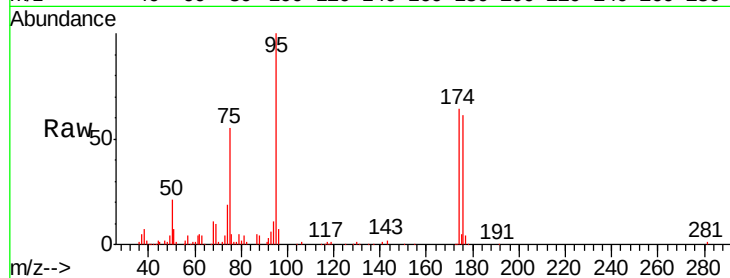
CSA-4-1.5

Tgt Ion: 75 Resp: 28778

Ion Ratio Lower Upper

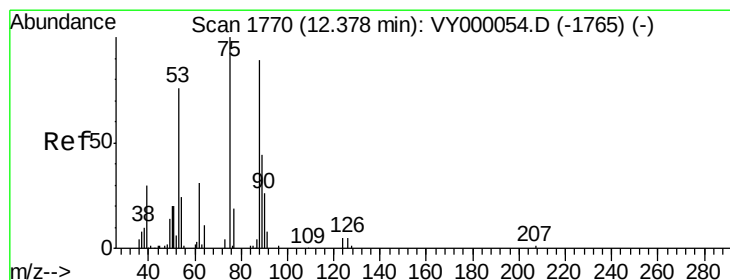
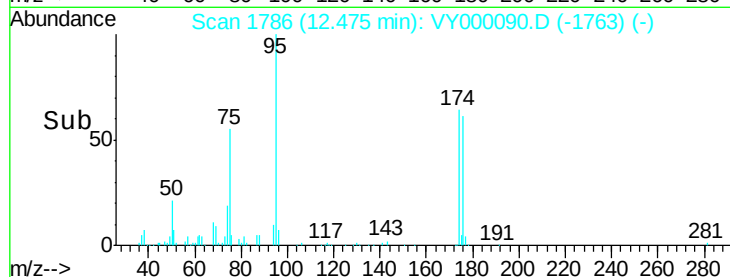
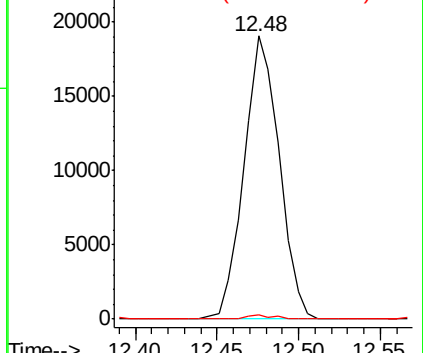
75 100

77 1.3 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: 96.933 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. 0.10 min

Lab File: VY000090.D

Acq: 19 Sep 2019 20:12

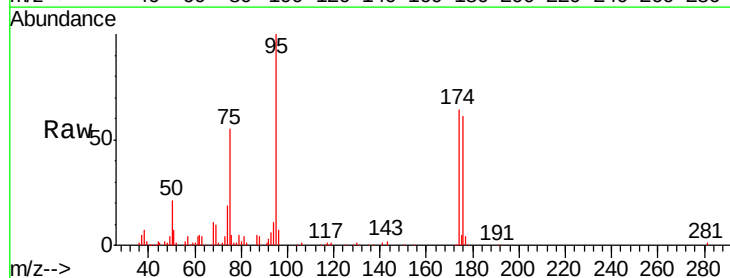
Tgt Ion: 75 Resp: 28778

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

