

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY091919\
 Data File : VY000080.D
 Acq On : 19 Sep 2019 16:19
 Operator : SY/MD
 Sample : K4878-10
 Misc : 4.73g/5.00ml/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CSA-2-8-1

Quant Time: Sep 20 01:56:17 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	101362	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	207960	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	157137	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	48265	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	62940	53.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.94%	
35) Dibromofluoromethane	7.72	113	59973	47.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.26%	
50) Toluene-d8	10.18	98	234569	47.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.86%	
62) 4-Bromofluorobenzene	12.48	95	62206	33.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	67.76%	

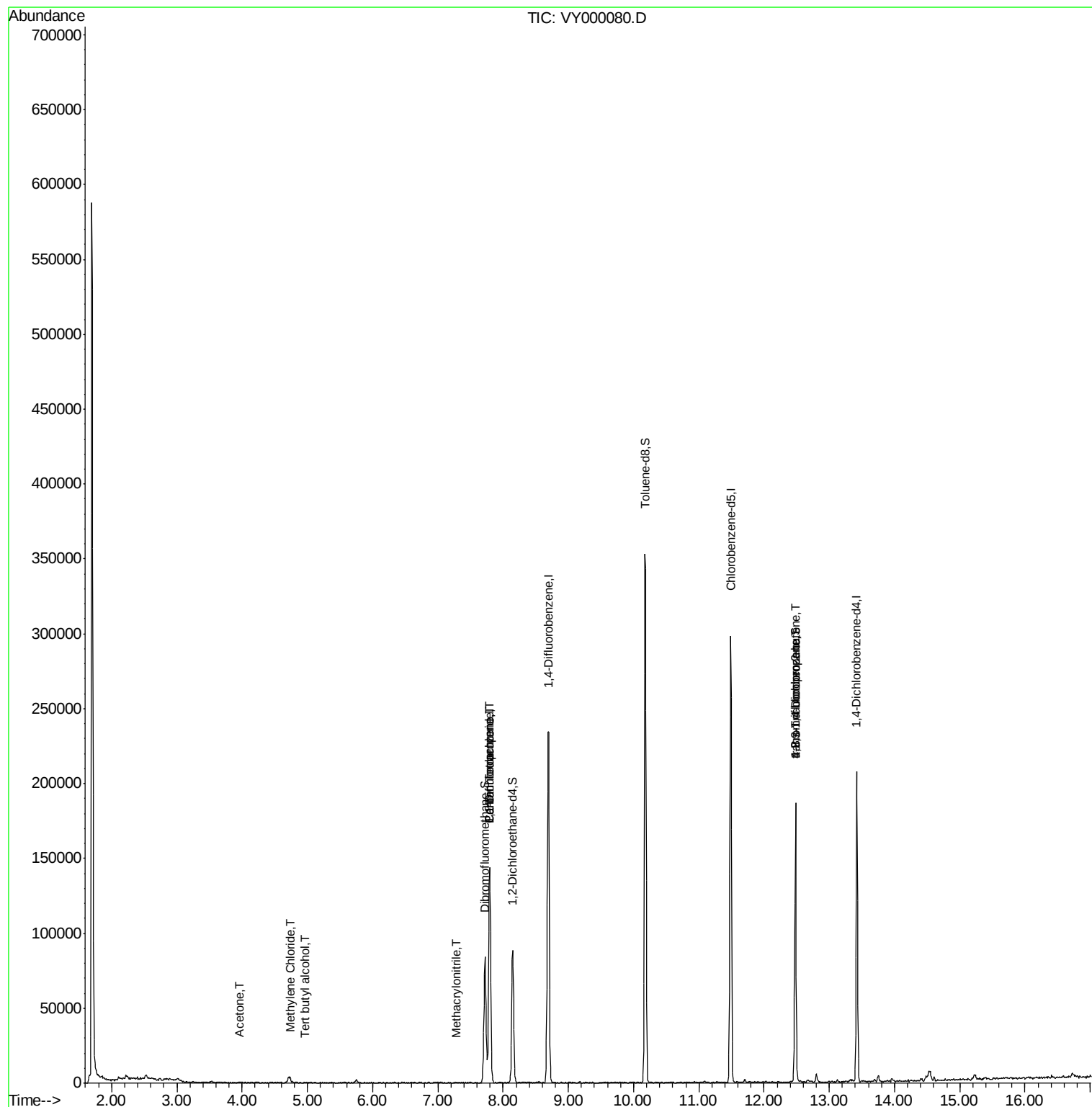
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.86	85	20	Below Cal	#	42
3) Chloromethane	2.11	50	1162	Below Cal	#	76
5) Bromomethane	2.61	94	72	Below Cal	#	6
11) Tert butyl alcohol	4.96	59	158	1.143	ug/l #	73
13) Acrolein	3.95	56	60	Below Cal	#	51
16) Acetone	3.96	43	451	1.661	ug/l #	66
17) Carbon Disulfide	4.18	76	162	Below Cal	#	77
20) Methylene Chloride	4.73	84	3254	2.548	ug/l #	82
31) Cyclohexane	7.79	56	3007	Below Cal	#	1
36) 1,1-Dichloropropene	7.79	75	9490	6.103	ug/l #	45
38) Carbon Tetrachloride	7.79	117	10958	7.467	ug/l #	16
41) Methacrylonitrile	7.29	41	45	4.359	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	31591	46.520	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	31591	89.470	ug/l #	19

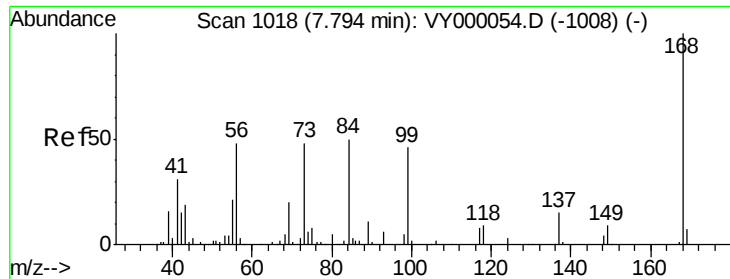
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY091919\
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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: VY000080.D

Acq: 19 Sep 2019 16:19

Instrument :

MSVOA_Y

ClientSampleId :

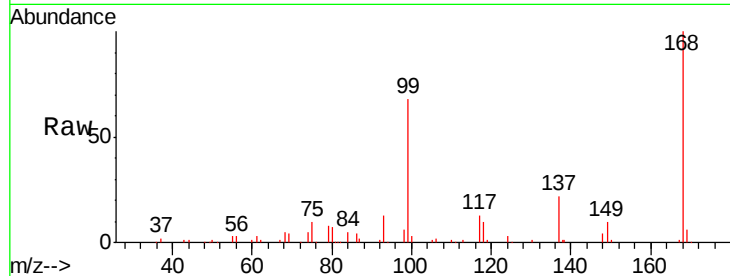
CSA-2-8-1

Tgt Ion: 168 Resp: 101362

Ion Ratio Lower Upper

168 100

99 68.4 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

40000

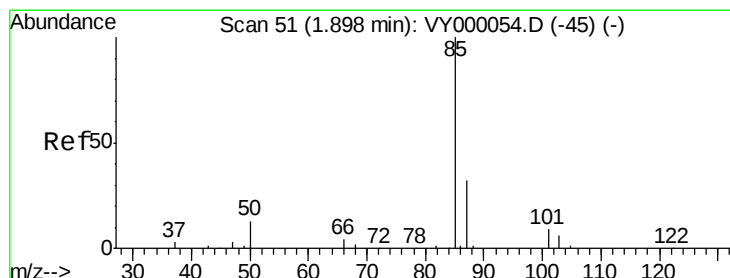
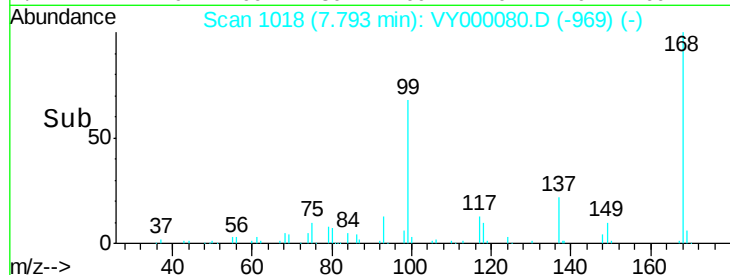
30000

20000

10000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.86 min Scan# 44

Delta R.T. -0.04 min

Lab File: VY000080.D

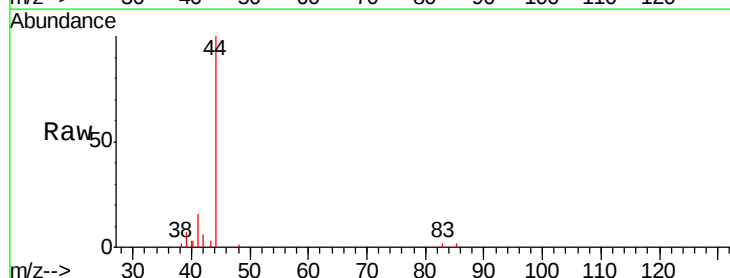
Acq: 19 Sep 2019 16:19

Tgt Ion: 85 Resp: 20

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) (-)

1.86

60

50

40

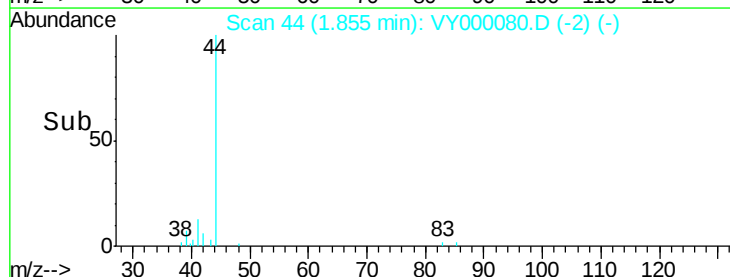
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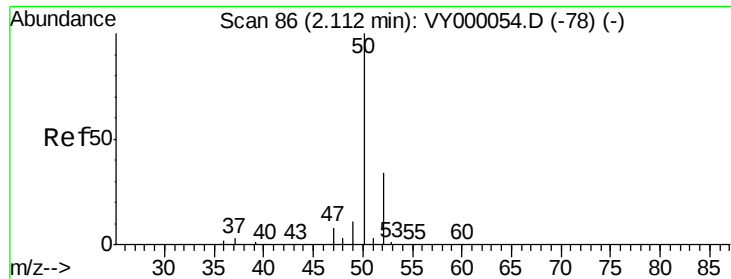
20

10

0

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 2.11 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY000080.D

Acq: 19 Sep 2019 16:19

Instrument :

MSVOA_Y

ClientSampleId :

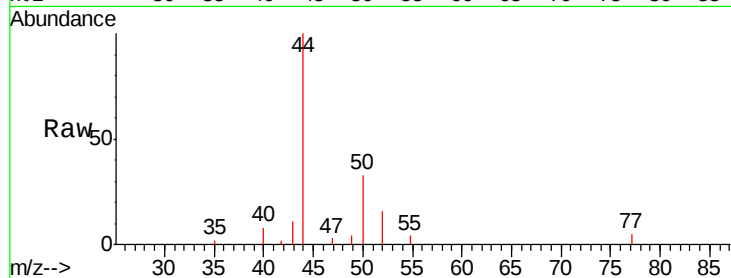
CSA-2-8-1

Tgt Ion: 50 Resp: 1162

Ion Ratio Lower Upper

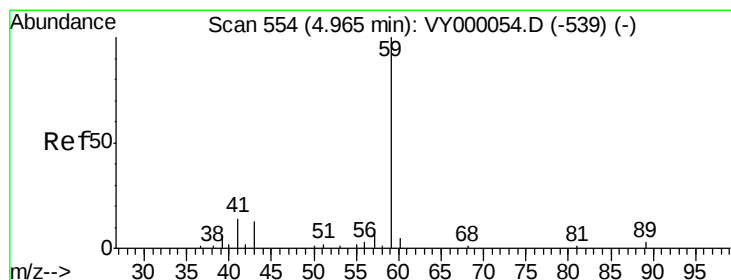
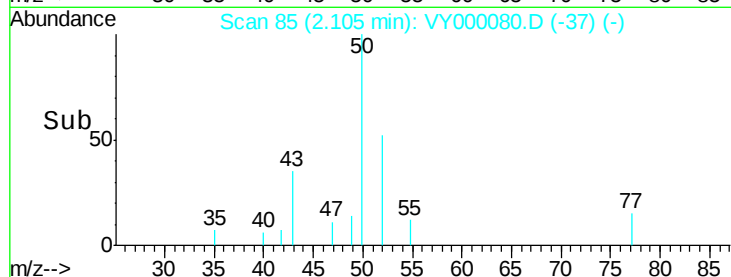
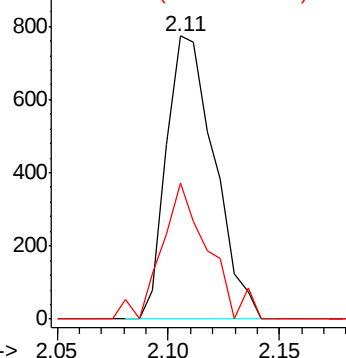
50 100

52 48.1 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: 1.143 ug/l

RT: 4.96 min Scan# 554

Delta R.T. 0.00 min

Lab File: VY000080.D

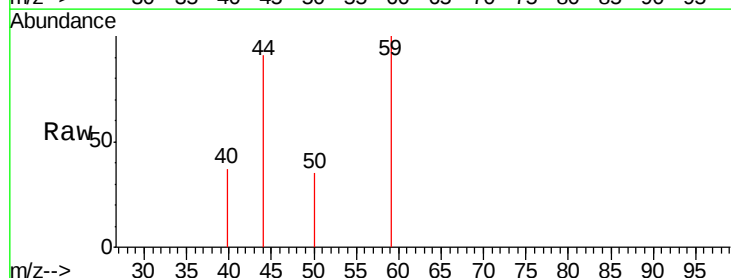
Acq: 19 Sep 2019 16:19

Tgt Ion: 59 Resp: 158

Ion Ratio Lower Upper

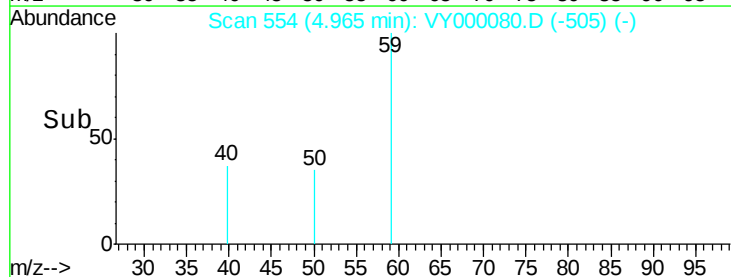
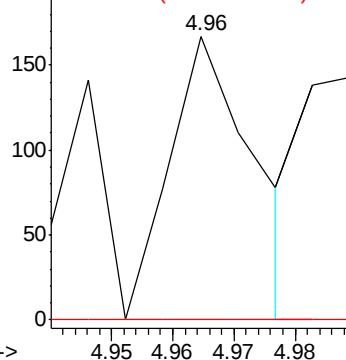
59 100

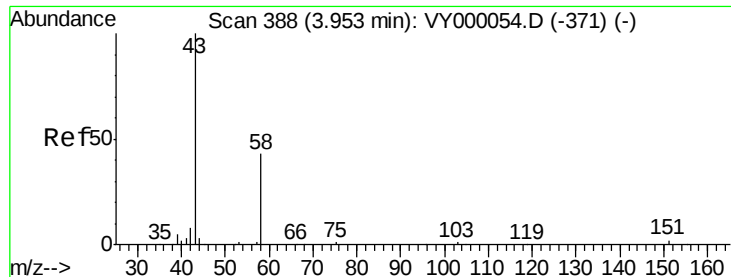
57 0.0 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VY0

Ion 57.00 (56.70 to 57.70): VY0





#16

Acetone

Concen: 1.661 ug/l

RT: 3.96 min Scan# 389

Delta R.T. 0.01 min

Lab File: VY000080.D

Acq: 19 Sep 2019 16:19

Instrument :

MSVOA_Y

ClientSampled :

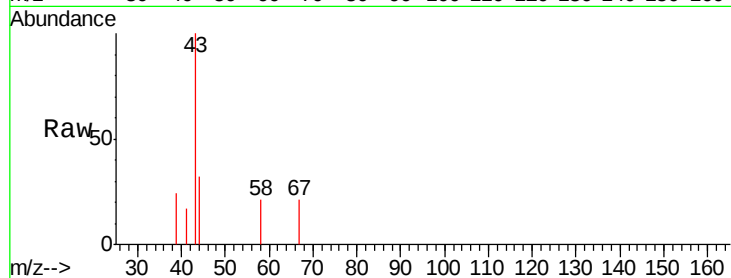
CSA-2-8-1

Tgt Ion: 43 Resp: 451

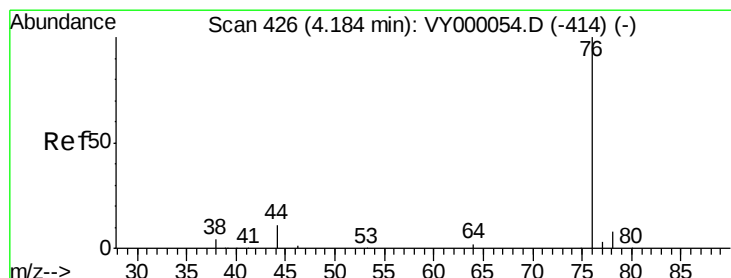
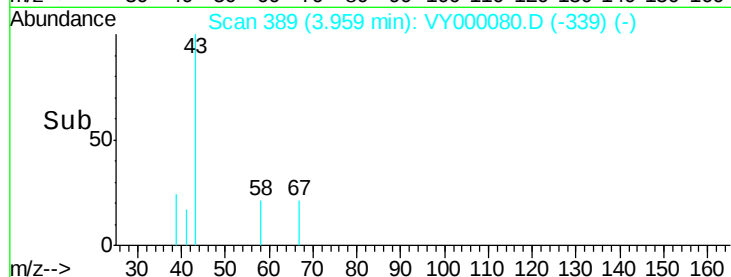
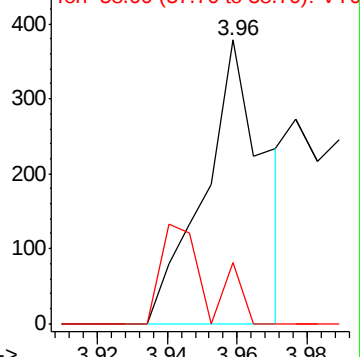
Ion Ratio Lower Upper

43 100

58 21.4 34.5 51.7#



Abundance Ion 43.00 (42.70 to 43.70): VY000080.D (-339) (-)



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.18 min Scan# 426

Delta R.T. 0.00 min

Lab File: VY000080.D

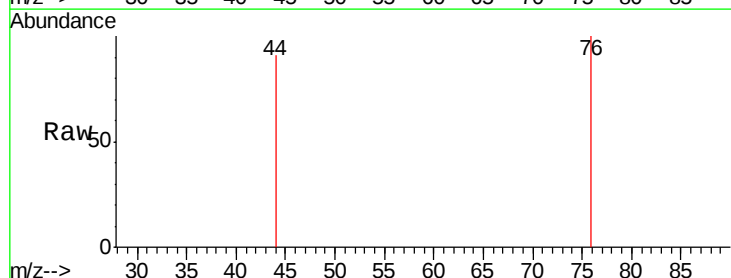
Acq: 19 Sep 2019 16:19

Tgt Ion: 76 Resp: 162

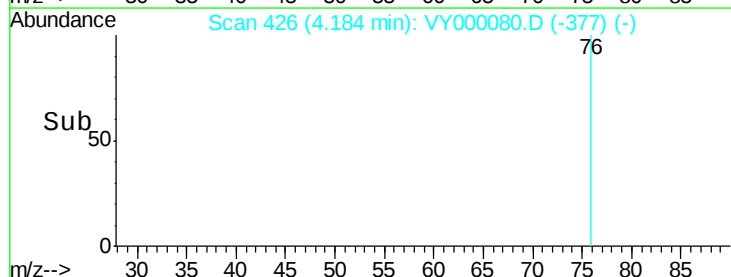
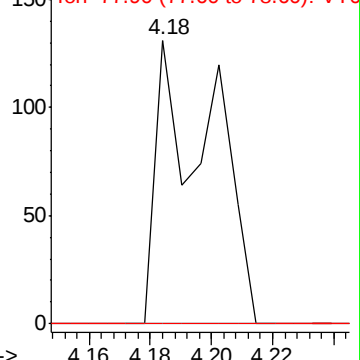
Ion Ratio Lower Upper

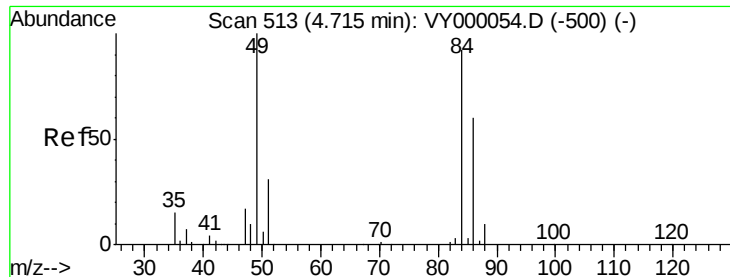
76 100

78 0.0 6.6 9.8#



Abundance Ion 75.90 (75.60 to 76.60): VY000080.D (-377) (-)

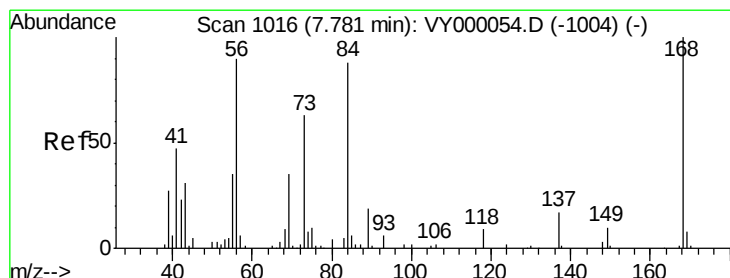
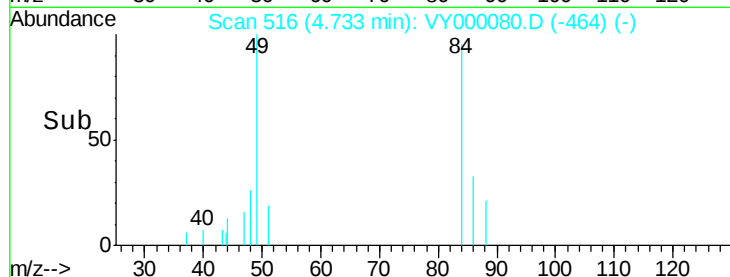
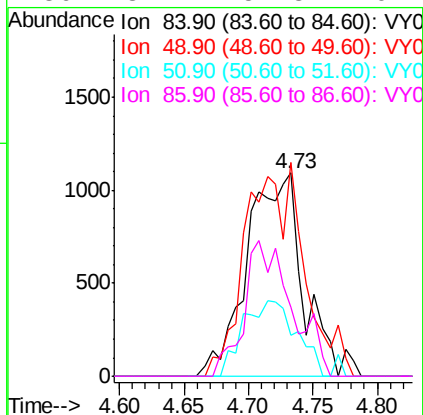
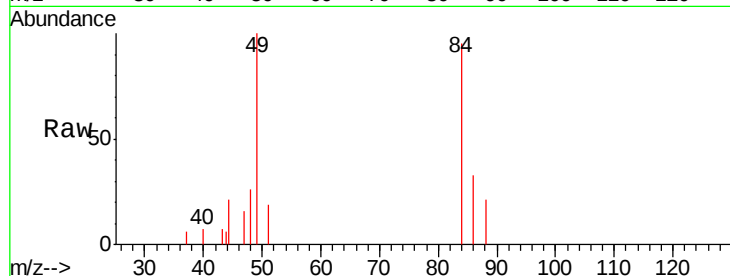




#20
Methylene Chloride
Concen: 2.548 ug/l
RT: 4.73 min Scan# 516
Delta R.T. 0.02 min
Lab File: VY000080.D
Acq: 19 Sep 2019 16:19

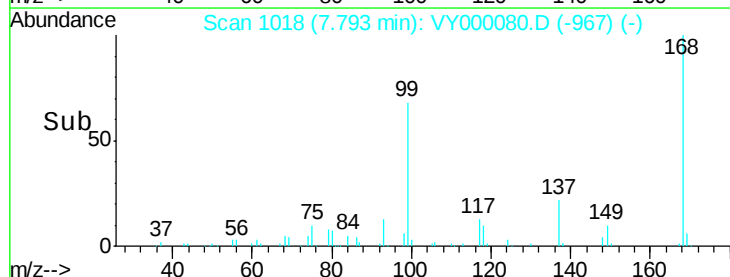
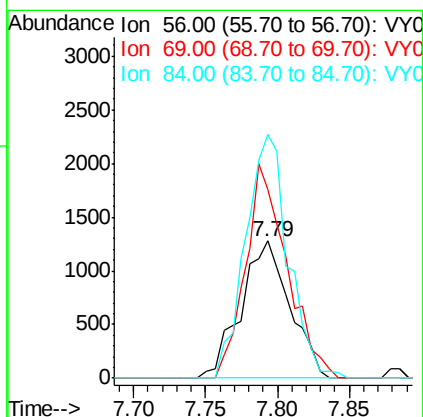
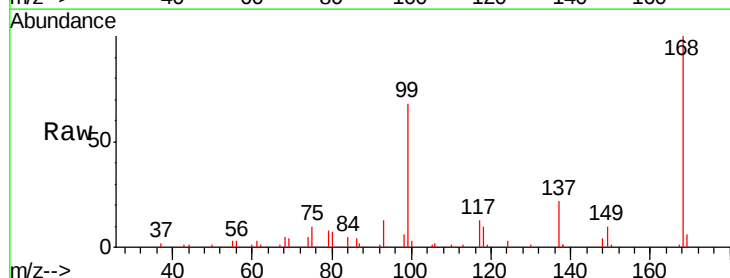
Instrument :
MSVOA_Y
ClientSampleId :
CSA-2-8-1

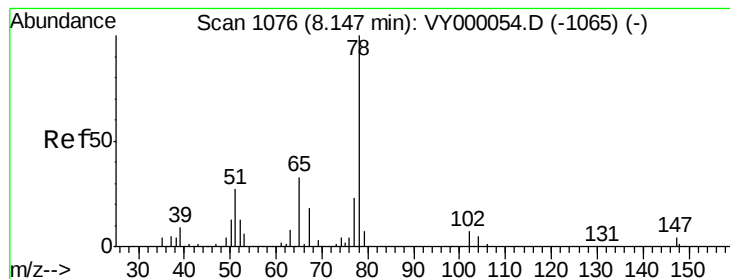
Tgt Ion: 84 Resp: 3254
Ion Ratio Lower Upper
84 100
49 105.1 87.4 131.0
51 20.3 27.2 40.8#
86 34.2 52.8 79.2#



#31
Cyclohexane
Concen: Below Cal
RT: 7.79 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VY000080.D
Acq: 19 Sep 2019 16:19

Tgt Ion: 56 Resp: 3007
Ion Ratio Lower Upper
56 100
69 137.7 30.9 46.3#
84 177.5 78.5 117.7#





#33

1,2-Dichloroethane-d4

Concen: 53.971 ug/l

RT: 8.15 min Scan# 1076

Delta R.T. -0.00 min

Lab File: VY000080.D

Acq: 19 Sep 2019 16:19

Instrument :

MSVOA_Y

ClientSampleId :

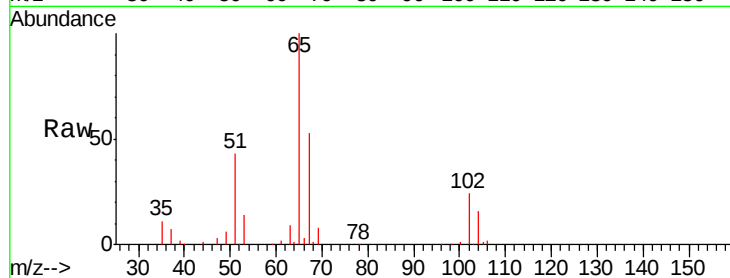
CSA-2-8-1

Tgt Ion: 65 Resp: 62940

Ion Ratio Lower Upper

65 100

67 55.0 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

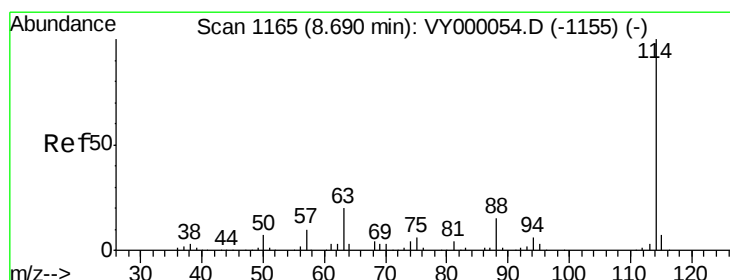
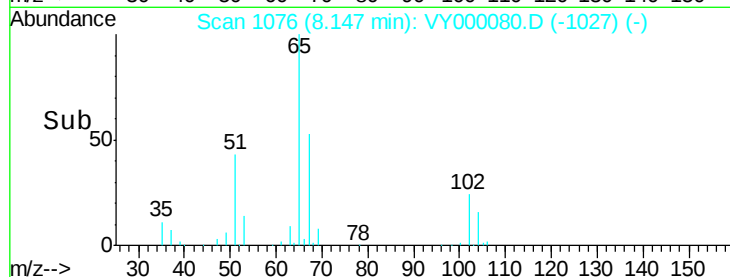
20000

10000

0

8.10 8.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1165

Delta R.T. -0.00 min

Lab File: VY000080.D

Acq: 19 Sep 2019 16:19

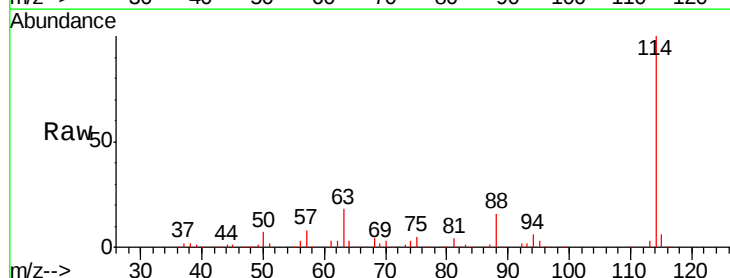
Tgt Ion: 114 Resp: 207960

Ion Ratio Lower Upper

114 100

63 17.6 0.0 39.4

88 16.5 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

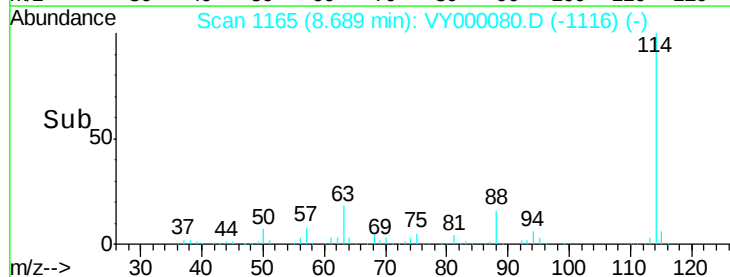
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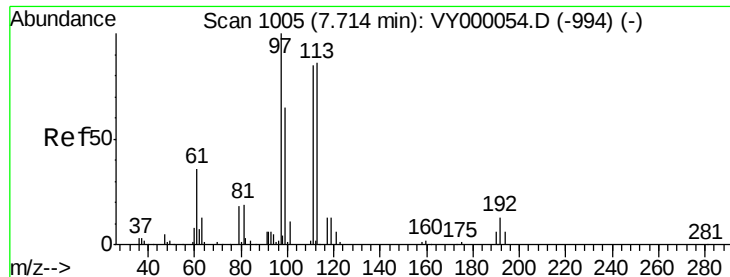
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0

8.60 8.65 8.70 8.75 8.80

Time-->

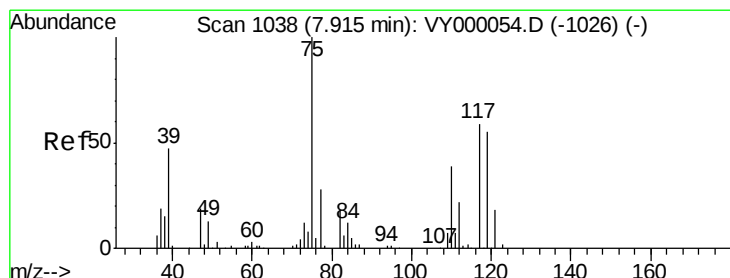
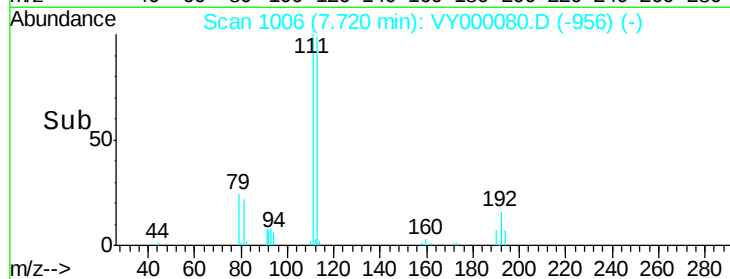
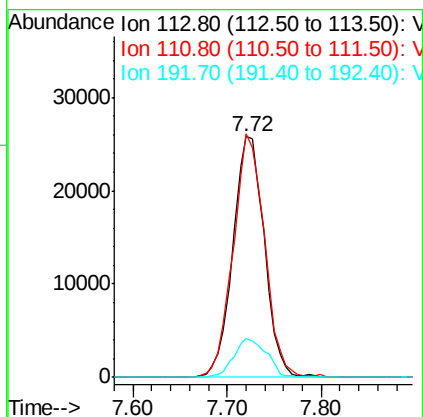
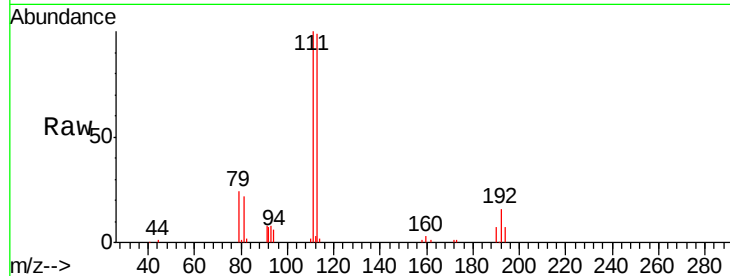




#35
 Dibromofluoromethane
 Concen: 47.630 ug/l
 RT: 7.72 min Scan# 1006
 Delta R.T. 0.01 min
 Lab File: VY000080.D
 Acq: 19 Sep 2019 16:19

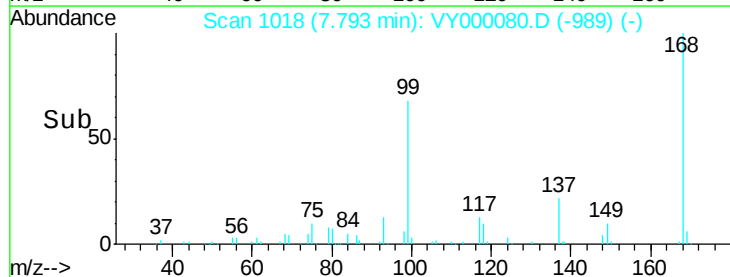
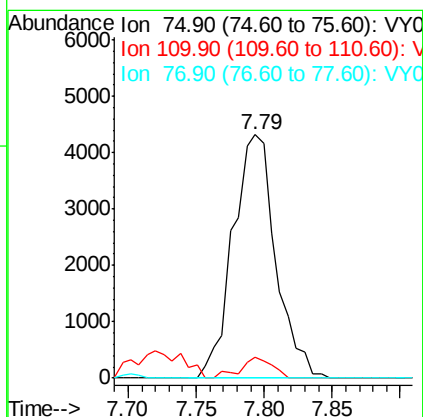
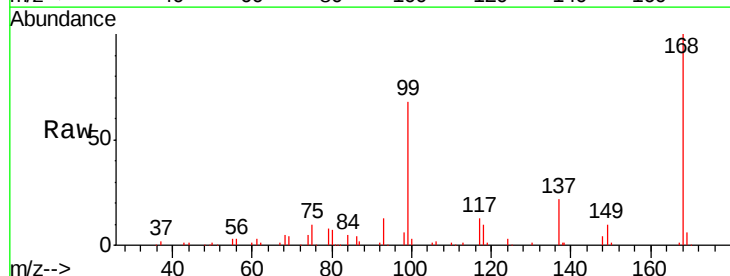
Instrument :
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 CSA-2-8-1

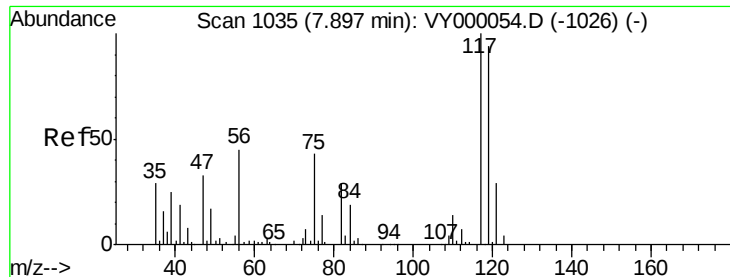
Tgt Ion: 113 Resp: 59973
 Ion Ratio Lower Upper
 113 100
 111 100.8 81.7 122.5
 192 16.8 13.4 20.2



#36
 1,1-Dichloropropene
 Concen: 6.103 ug/l
 RT: 7.79 min Scan# 1018
 Delta R.T. -0.12 min
 Lab File: VY000080.D
 Acq: 19 Sep 2019 16:19

Tgt Ion: 75 Resp: 9490
 Ion Ratio Lower Upper
 75 100
 110 6.2 19.6 58.7#
 77 0.0 24.3 36.5#

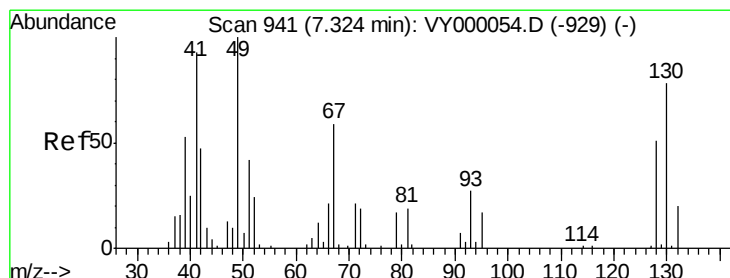
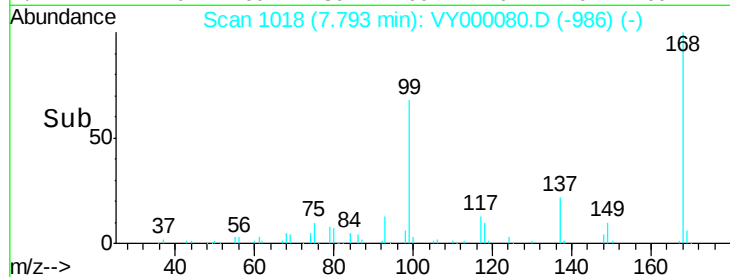
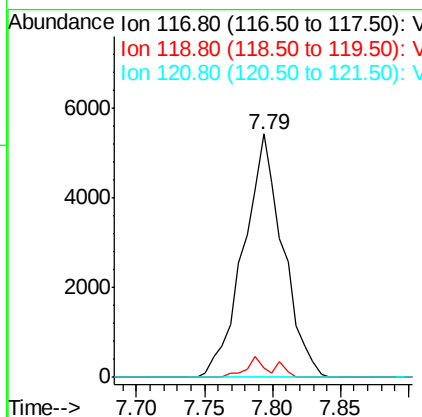
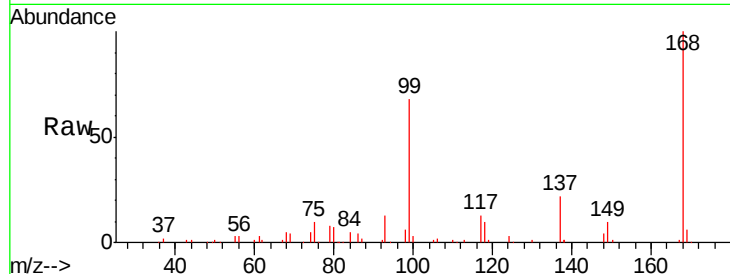




#38
 Carbon Tetrachloride
 Concen: 7.467 ug/l
 RT: 7.79 min Scan# 1018
 Delta R.T. -0.10 min
 Lab File: VY000080.D
 Acq: 19 Sep 2019 16:19

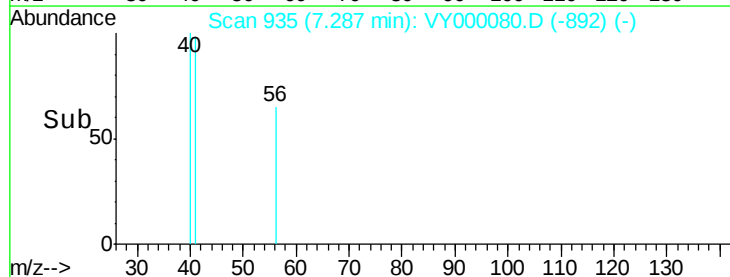
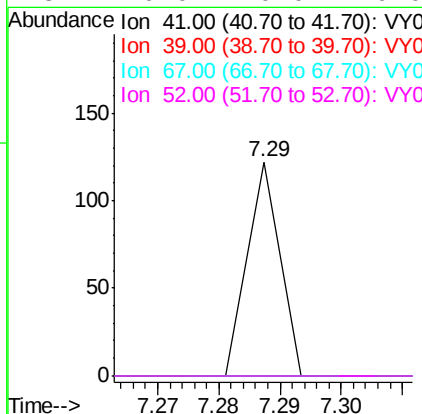
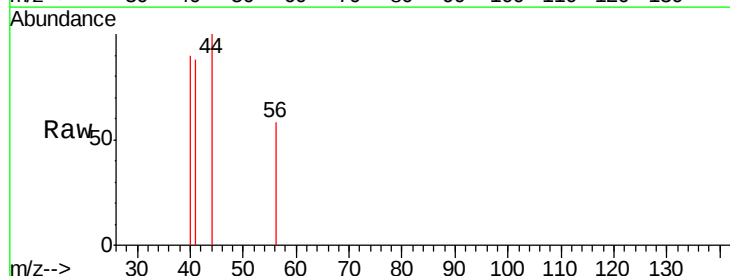
Instrument :
 MSVOA_Y
 ClientSampled :
 CSA-2-8-1

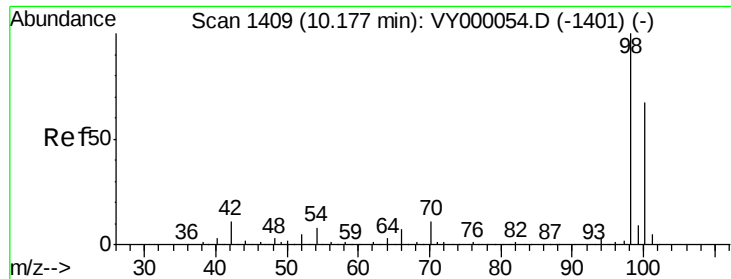
Tgt Ion: 117 Resp: 10958
 Ion Ratio Lower Upper
 117 100
 119 4.0 75.0 112.6#
 121 0.0 22.8 34.2#



#41
 Methacrylonitrile
 Concen: 4.359 ug/l
 RT: 7.29 min Scan# 935
 Delta R.T. -0.04 min
 Lab File: VY000080.D
 Acq: 19 Sep 2019 16:19

Tgt Ion: 41 Resp: 45
 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: 47.431 ug/l

RT: 10.18 min Scan# 1409

Delta R.T. -0.00 min

Lab File: VY000080.D

Acq: 19 Sep 2019 16:19

Instrument :

MSVOA_Y

ClientSampleId :

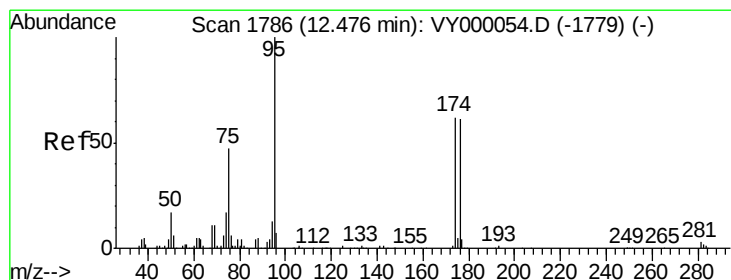
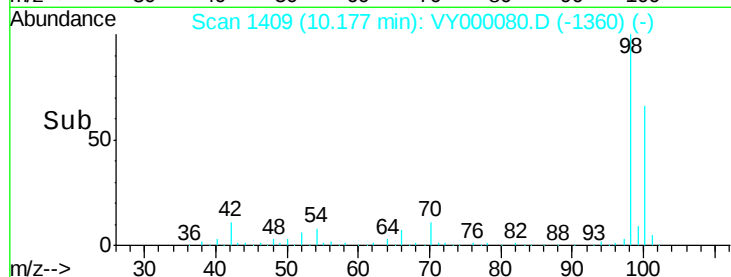
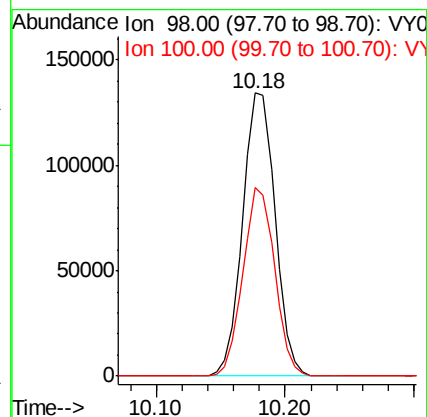
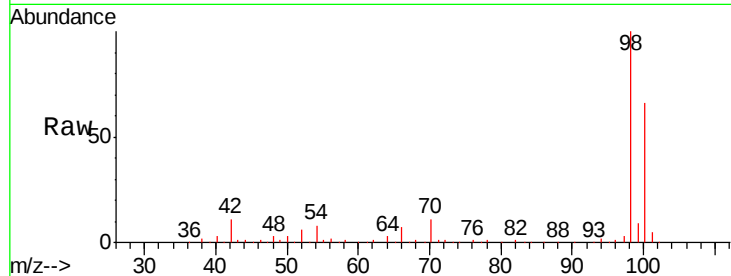
CSA-2-8-1

Tgt Ion: 98 Resp: 234569

Ion Ratio Lower Upper

98 100

100 65.1 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 33.879 ug/l

RT: 12.48 min Scan# 1787

Delta R.T. 0.01 min

Lab File: VY000080.D

Acq: 19 Sep 2019 16:19

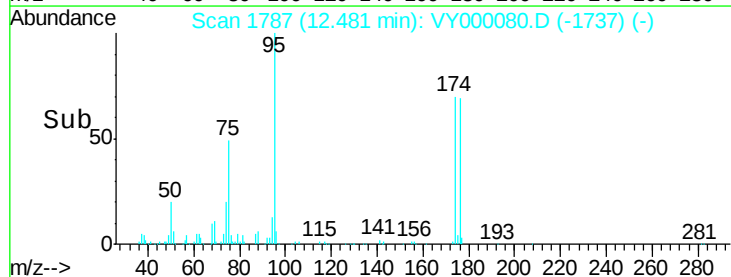
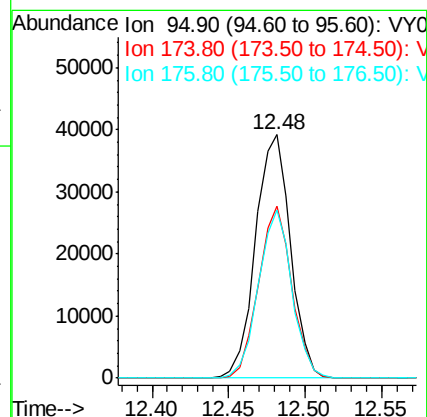
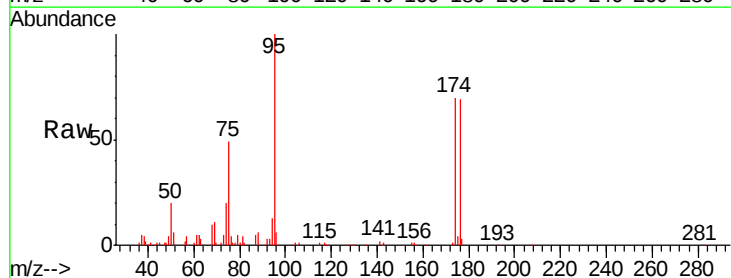
Tgt Ion: 95 Resp: 62206

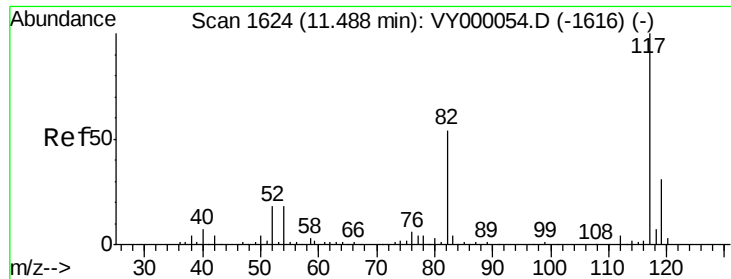
Ion Ratio Lower Upper

95 100

174 67.3 0.0 137.2

176 66.2 0.0 135.0

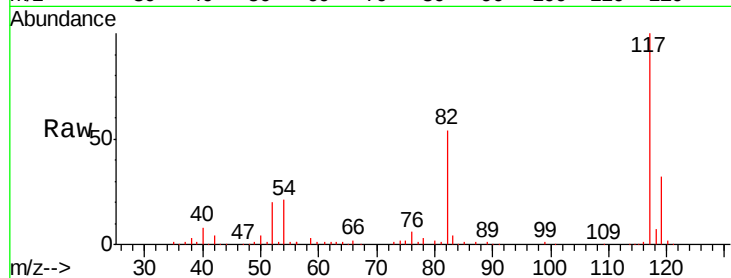




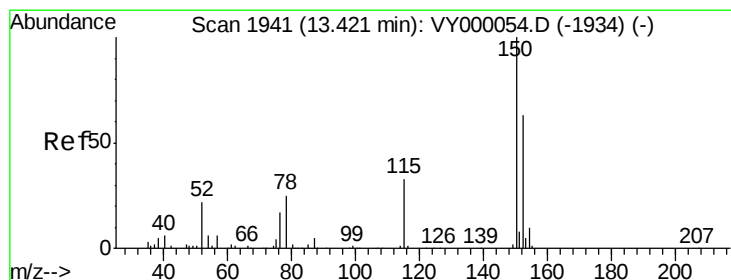
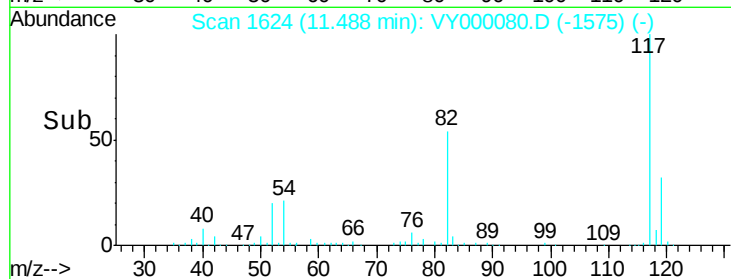
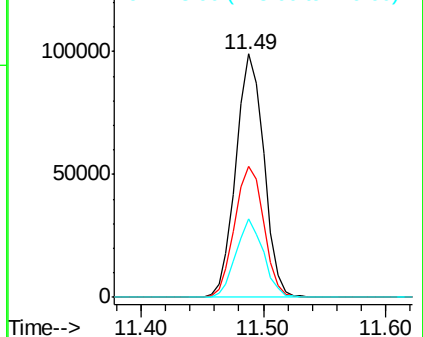
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1624
Delta R.T. -0.00 min
Lab File: VY000080.D
Acq: 19 Sep 2019 16:19

Instrument :
MSVOA_Y
ClientSampled :
CSA-2-8-1

Tgt Ion:117 Resp: 157137
Ion Ratio Lower Upper
117 100
82 54.1 43.5 65.3
119 32.2 24.6 36.8

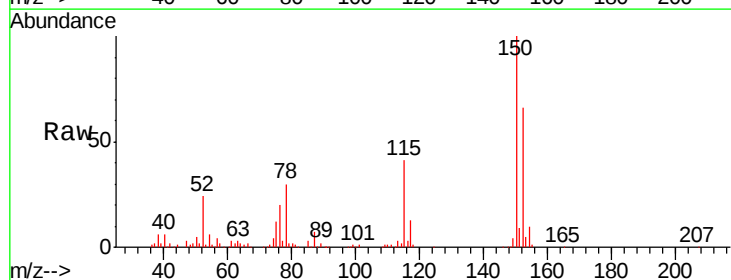


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

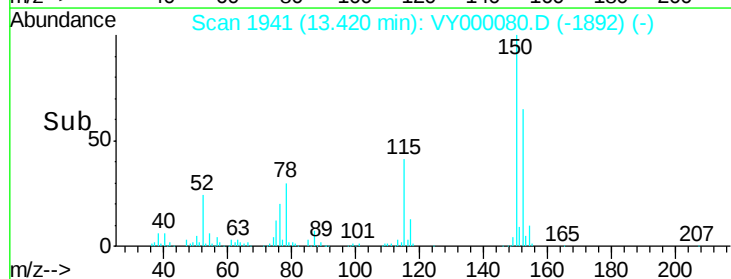
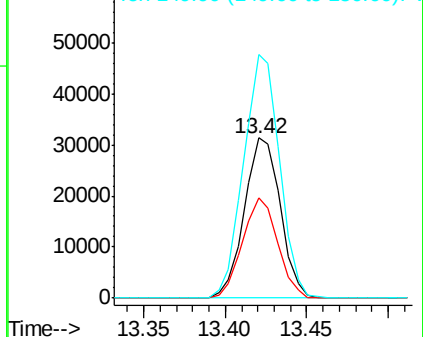


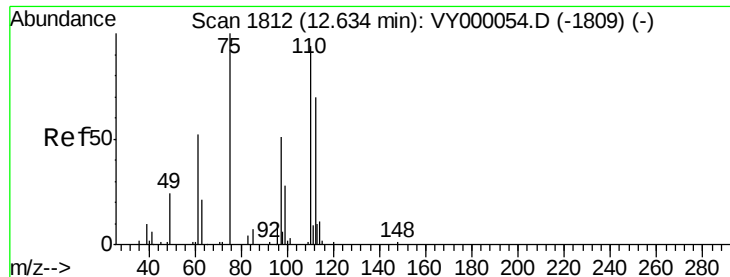
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1941
Delta R.T. -0.00 min
Lab File: VY000080.D
Acq: 19 Sep 2019 16:19

Tgt Ion:152 Resp: 48265
Ion Ratio Lower Upper
152 100
115 61.6 30.7 92.1
150 152.0 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

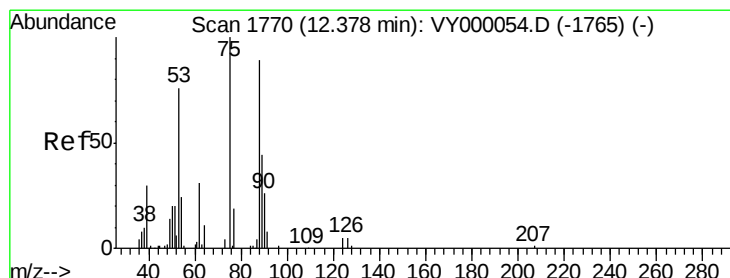
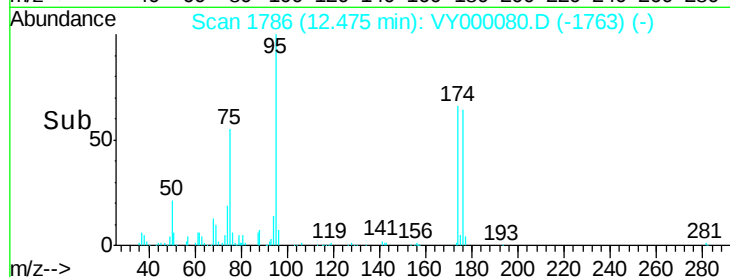
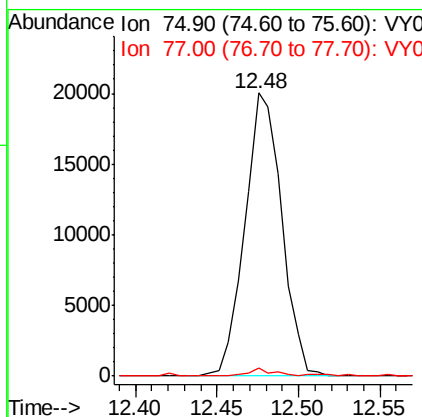
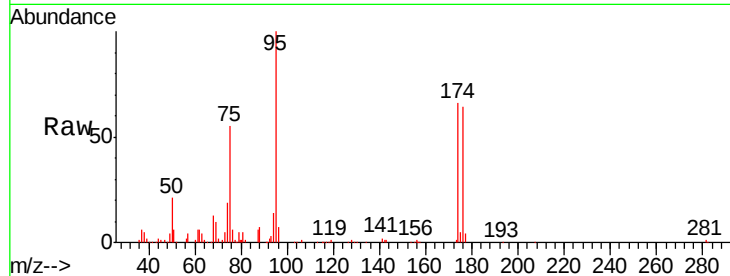




#76
 1,2,3-Trichloropropane
 Concen: 46.520 ug/l
 RT: 12.48 min Scan# 1786
 Delta R.T. -0.16 min
 Lab File: VY000080.D
 Acq: 19 Sep 2019 16:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 CSA-2-8-1

Tgt Ion: 75 Resp: 31591
 Ion Ratio Lower Upper
 75 100
 77 1.8 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 89.470 ug/l
 RT: 12.48 min Scan# 1786
 Delta R.T. 0.10 min
 Lab File: VY000080.D
 Acq: 19 Sep 2019 16:19

Tgt Ion: 75 Resp: 31591
 Ion Ratio Lower Upper
 75 100
 53 0.0 60.9 91.3#
 89 0.1 35.3 52.9#

