

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY091919\
 Data File : VY000079.D
 Acq On : 19 Sep 2019 15:56
 Operator : SY/MD
 Sample : K4878-08
 Misc : 6.81g/5.00ml/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CSA-2-7-4

Quant Time: Sep 20 01:56:03 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

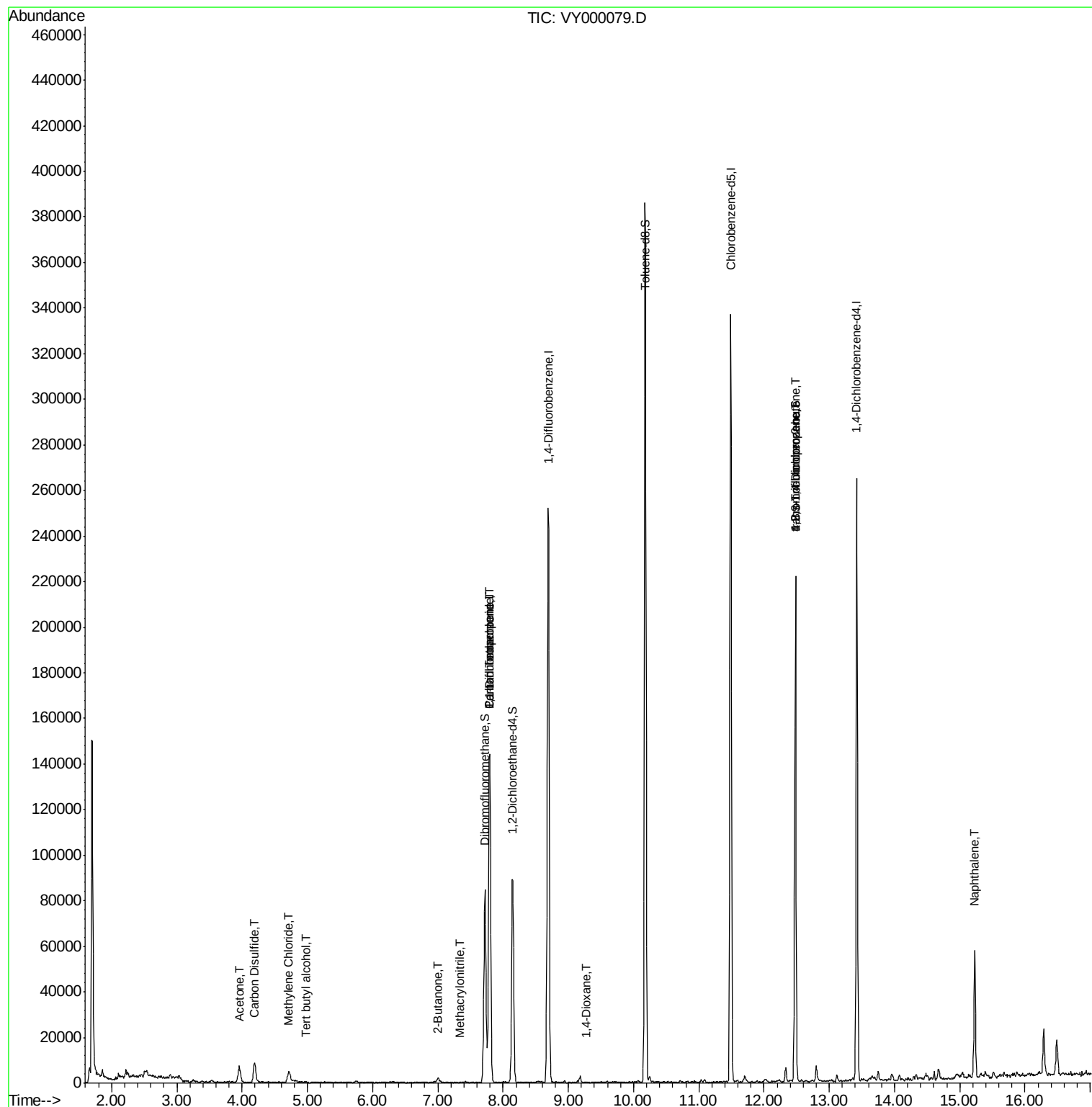
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	110480	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	222619	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	180084	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	62265	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	63663	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
35) Dibromofluoromethane	7.72	113	60444	44.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.68%	
50) Toluene-d8	10.18	98	260314	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	
62) 4-Bromofluorobenzene	12.48	95	78150	39.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.52%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.90	85	49	Below Cal	#	42
3) Chloromethane	2.11	50	1149	Below Cal		97
5) Bromomethane	2.67	94	44	Below Cal	#	6
11) Tert butyl alcohol	4.98	59	184	1.221	ug/l #	73
16) Acetone	3.96	43	11119	37.571	ug/l	93
17) Carbon Disulfide	4.19	76	16812	5.585	ug/l #	94
20) Methylene Chloride	4.72	84	3878	2.785	ug/l #	88
25) 2-Butanone	7.00	43	1710	3.190	ug/l #	81
31) Cyclohexane	7.79	56	2741	Below Cal	#	8
36) 1,1-Dichloropropene	7.79	75	9784	5.878	ug/l #	47
38) Carbon Tetrachloride	7.79	117	11062	7.041	ug/l #	20
41) Methacrylonitrile	7.34	41	19	4.328	ug/l #	1
49) 1,4-Dioxane	9.28	88	22	1.457	ug/l #	26
76) 1,2,3-Trichloropropane	12.48	75	39944	45.595	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	39944	87.690	ug/l #	19
95) Naphthalene	15.23	128	44086	13.179	ug/l	99

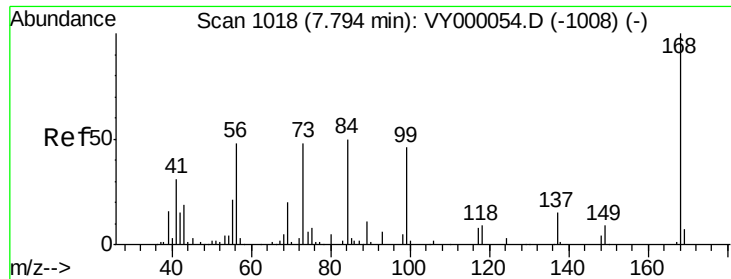
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY091919\
Data File : VY000079.D
Acq On : 19 Sep 2019 15:56
Operator : SY/MD
Sample : K4878-08
Misc : 6.81g/5.00ml/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
CSA-2-7-4

Quant Time: Sep 20 01:56:03 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091719S.M
Quant Title : SW846 8260
QLast Update : Thu Sep 19 05:38:39 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VY000079.D

Acq: 19 Sep 2019 15:56

Instrument :

MSVOA_Y

ClientSampleId :

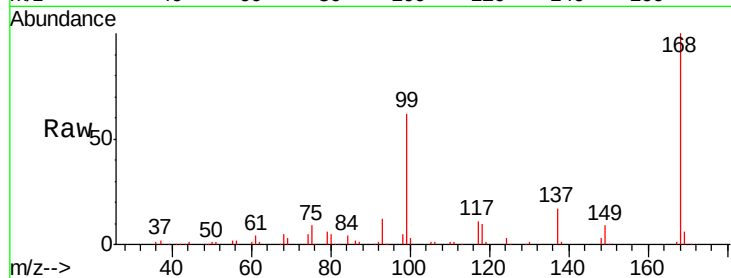
CSA-2-7-4

Tgt Ion:168 Resp: 110480

Ion Ratio Lower Upper

168 100

99 62.1 44.2 66.2



Abundance Ion 167.90 (167.60 to 168.60): VY000079.D

Ion 98.90 (98.60 to 99.60): VY000079.D

7.79

50000

40000

30000

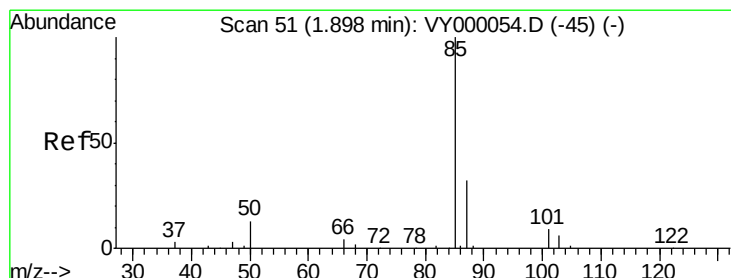
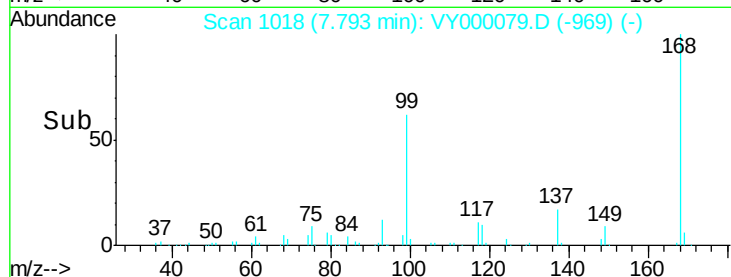
20000

10000

0

Time-->

7.70 7.75 7.80 7.85 7.90



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.90 min Scan# 52

Delta R.T. 0.01 min

Lab File: VY000079.D

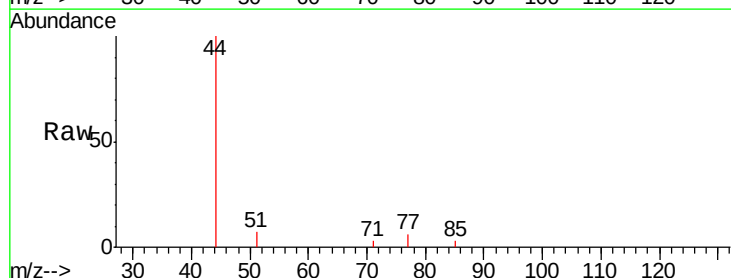
Acq: 19 Sep 2019 15:56

Tgt Ion: 85 Resp: 49

Ion Ratio Lower Upper

85 100

87 0.0 16.2 48.5#



Abundance Ion 84.90 (84.60 to 85.60): VY000079.D

Ion 86.90 (86.60 to 87.60): VY000079.D

1.90

80

60

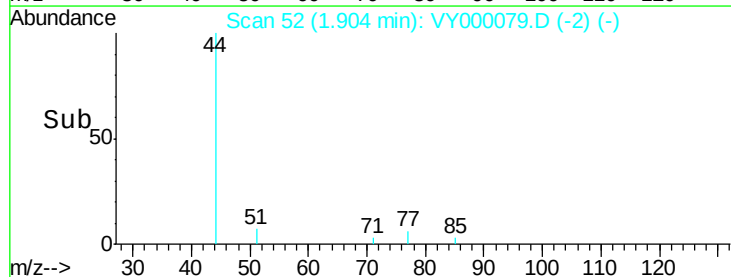
40

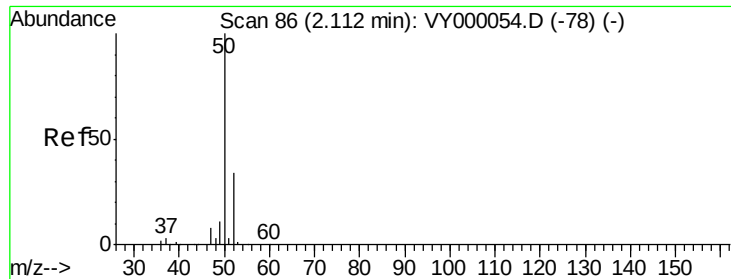
20

0

Time-->

1.88 1.90 1.92





#3

Chloromethane

Concen: Below Cal

RT: 2.11 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY000079.D

Acq: 19 Sep 2019 15:56

Instrument :

MSVOA_Y

ClientSampleId :

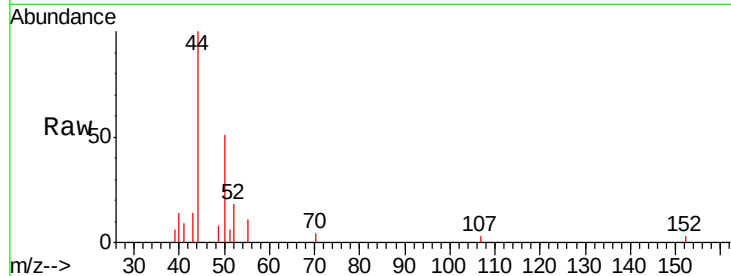
CSA-2-7-4

Tgt Ion: 50 Resp: 1149

Ion Ratio Lower Upper

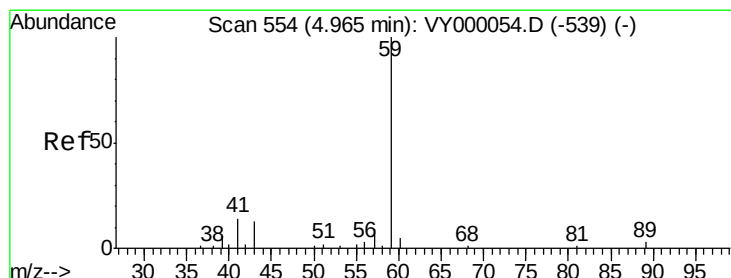
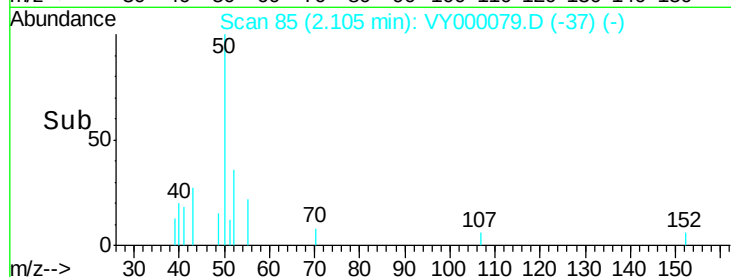
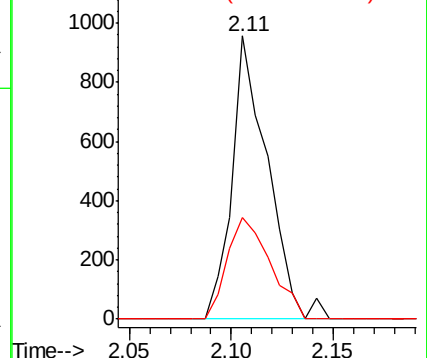
50 100

52 35.9 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: 1.221 ug/l

RT: 4.98 min Scan# 556

Delta R.T. 0.01 min

Lab File: VY000079.D

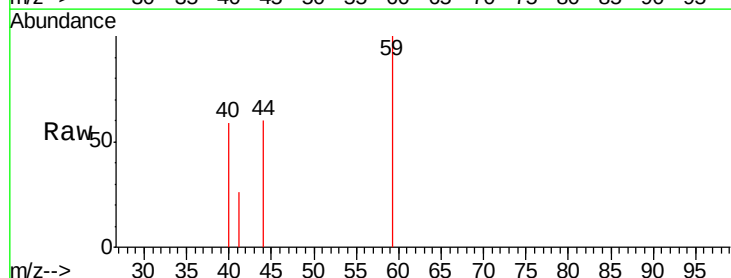
Acq: 19 Sep 2019 15:56

Tgt Ion: 59 Resp: 184

Ion Ratio Lower Upper

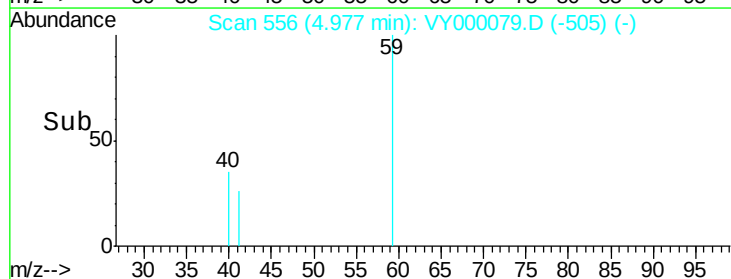
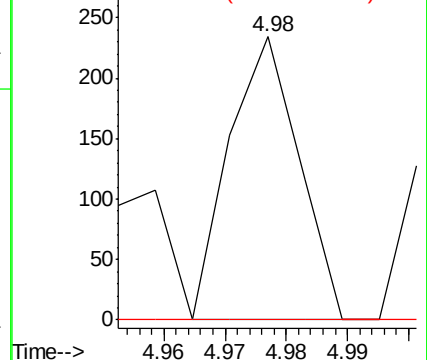
59 100

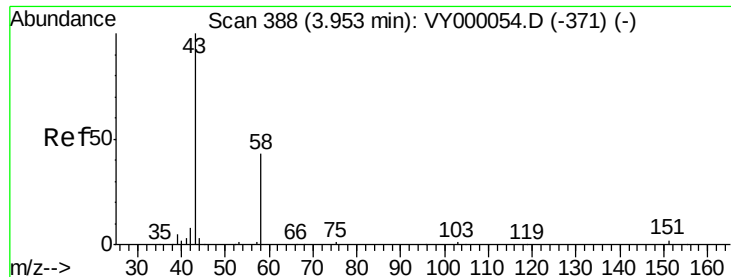
57 0.0 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VY0

Ion 57.00 (56.70 to 57.70): VY0





#16

Acetone

Concen: 37.571 ug/l

RT: 3.96 min Scan# 389

Delta R.T. 0.01 min

Lab File: VY000079.D

Acq: 19 Sep 2019 15:56

Instrument :

MSVOA_Y

ClientSampleId :

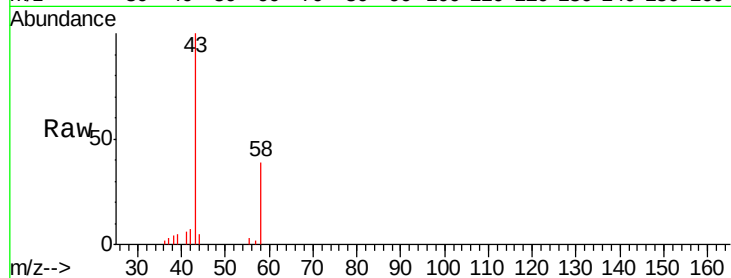
CSA-2-7-4

Tgt Ion: 43 Resp: 11119

Ion Ratio Lower Upper

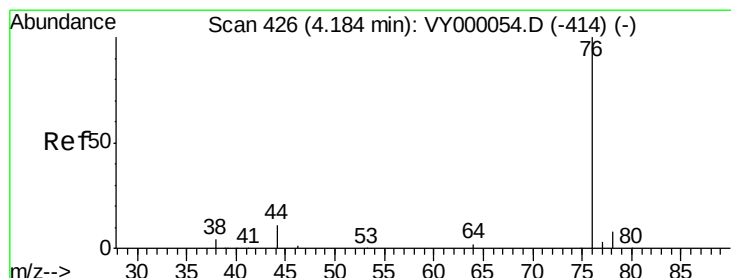
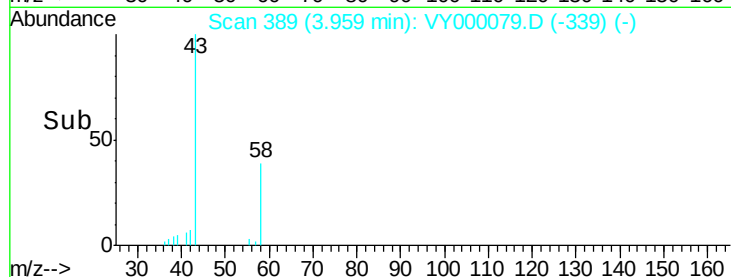
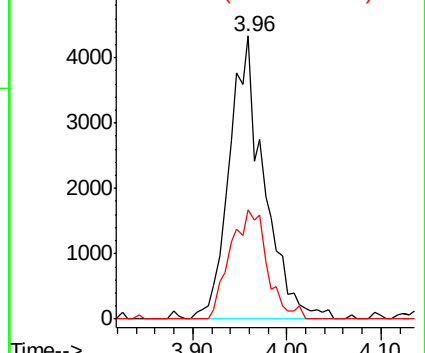
43 100

58 38.6 34.5 51.7



Abundance Ion 43.00 (42.70 to 43.70): VY000054.D (-371) (-)

Ion 58.00 (57.70 to 58.70): VY000054.D (-371) (-)



#17

Carbon Disulfide

Concen: 5.585 ug/l

RT: 4.19 min Scan# 427

Delta R.T. 0.01 min

Lab File: VY000079.D

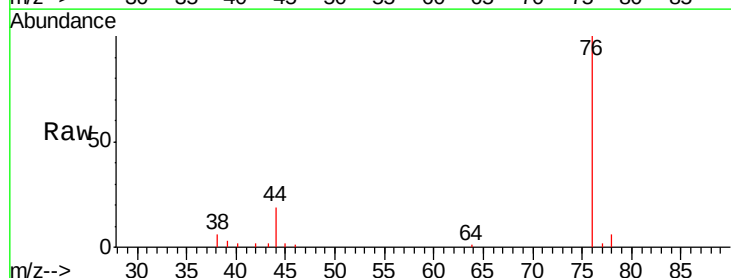
Acq: 19 Sep 2019 15:56

Tgt Ion: 76 Resp: 16812

Ion Ratio Lower Upper

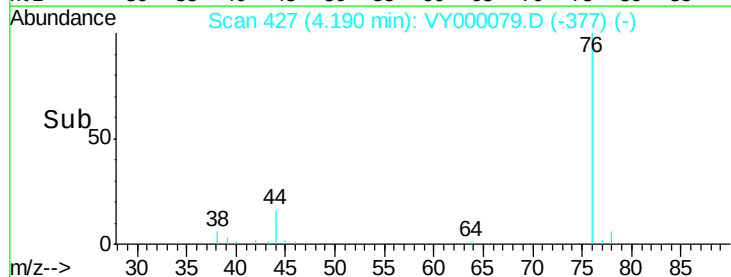
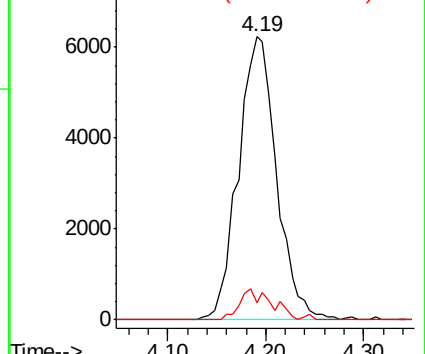
76 100

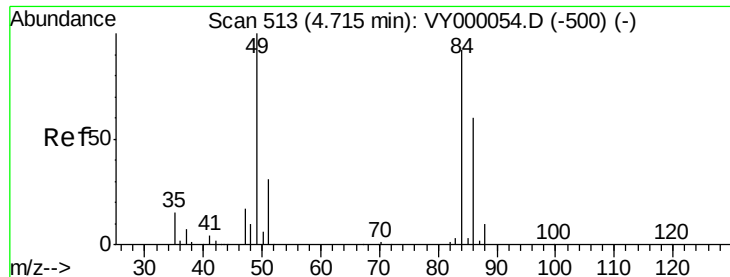
78 6.2 6.6 9.8#



Abundance Ion 75.90 (75.60 to 76.60): VY000054.D (-414) (-)

Ion 77.90 (77.60 to 78.60): VY000054.D (-414) (-)

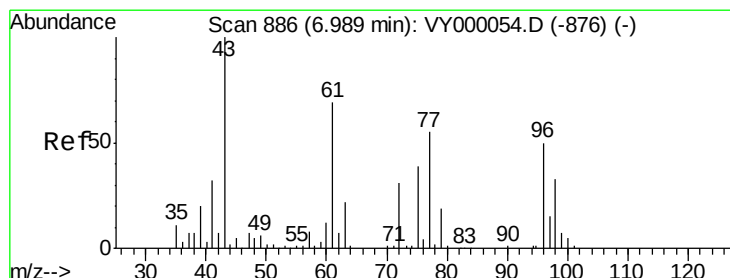
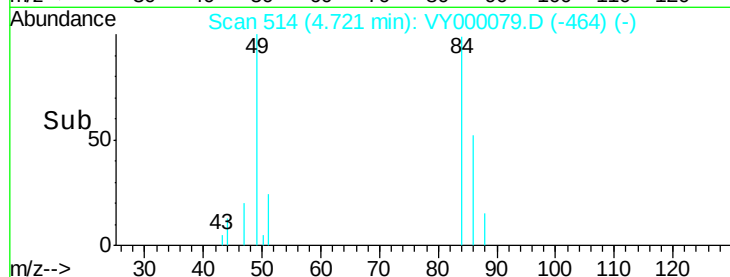
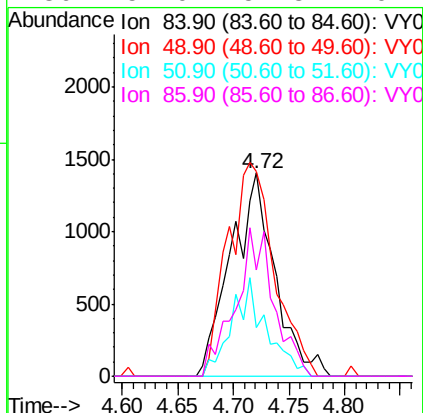
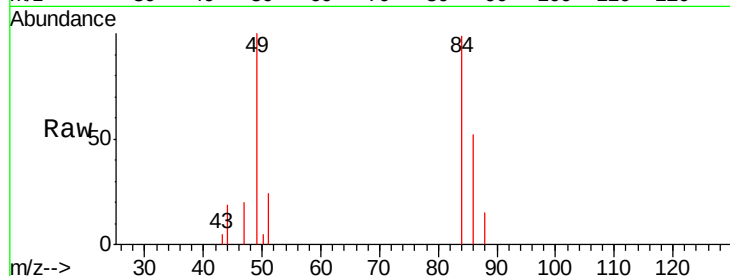




#20
Methylene Chloride
Concen: 2.785 ug/l
RT: 4.72 min Scan# 514
Delta R.T. 0.01 min
Lab File: VY000079.D
Acq: 19 Sep 2019 15:56

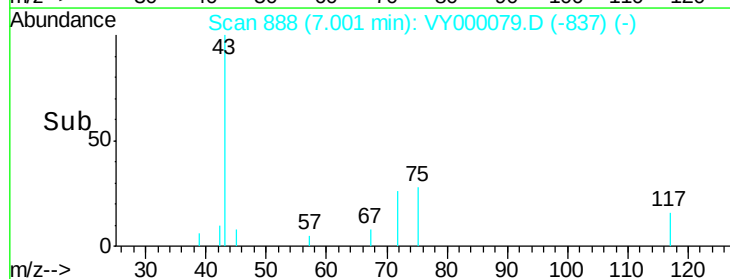
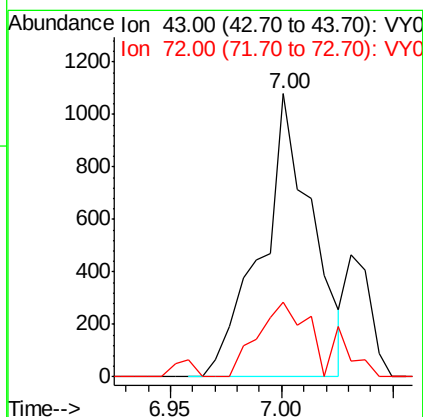
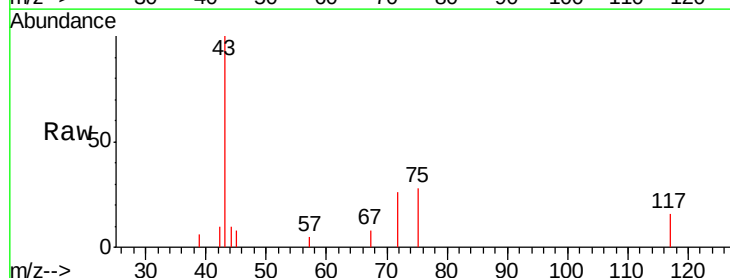
Instrument :
MSVOA_Y
ClientSampleId :
CSA-2-7-4

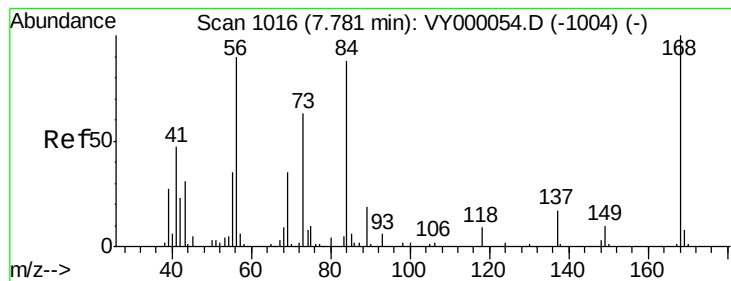
Tgt Ion: 84 Resp: 3878
Ion Ratio Lower Upper
84 100
49 101.0 87.4 131.0
51 24.3 27.2 40.8#
86 52.0 52.8 79.2#



#25
2-Butanone
Concen: 3.190 ug/l
RT: 7.00 min Scan# 888
Delta R.T. 0.01 min
Lab File: VY000079.D
Acq: 19 Sep 2019 15:56

Tgt Ion: 43 Resp: 1710
Ion Ratio Lower Upper
43 100
72 20.3 24.7 37.1#





#31

Cyclohexane

Concen: Below Cal

RT: 7.79 min Scan# 1018

Delta R.T. 0.01 min

Lab File: VY000079.D

Acq: 19 Sep 2019 15:56

Instrument :

MSVOA_Y

ClientSampleId :

CSA-2-7-4

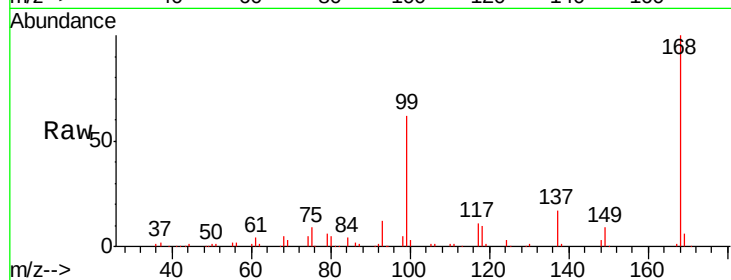
Tgt Ion: 56 Resp: 2741

Ion Ratio Lower Upper

56 100

69 137.4 30.9 46.3#

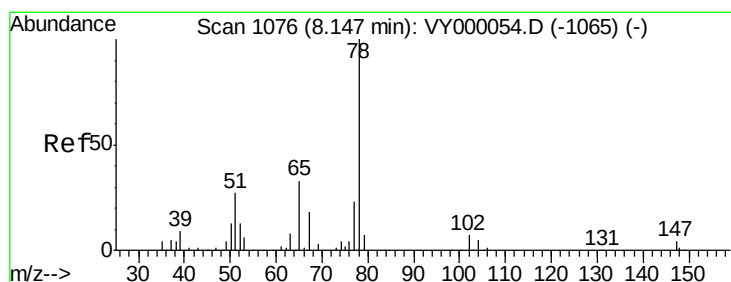
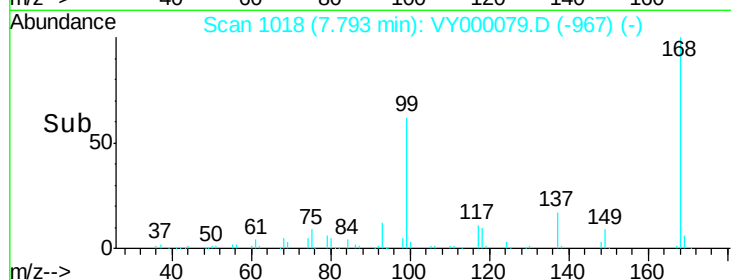
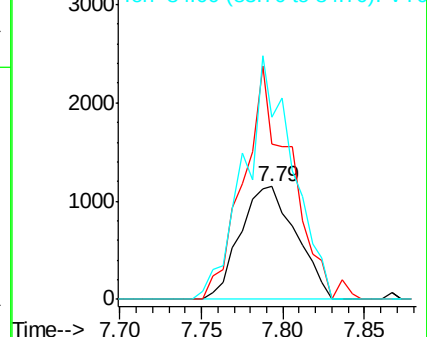
84 162.1 78.5 117.7#



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: 50.086 ug/l

RT: 8.15 min Scan# 1076

Delta R.T. -0.00 min

Lab File: VY000079.D

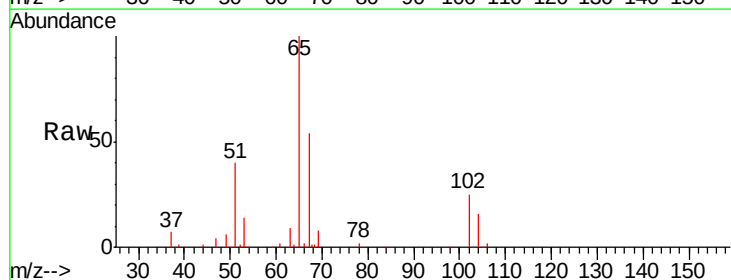
Acq: 19 Sep 2019 15:56

Tgt Ion: 65 Resp: 63663

Ion Ratio Lower Upper

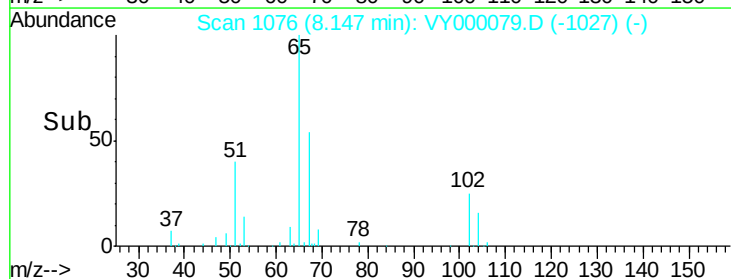
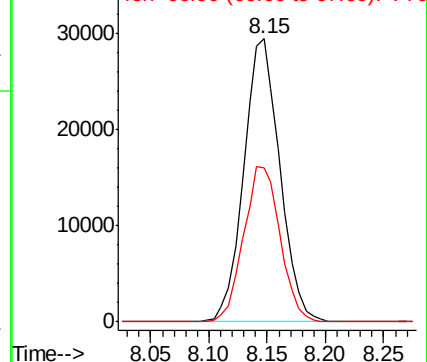
65 100

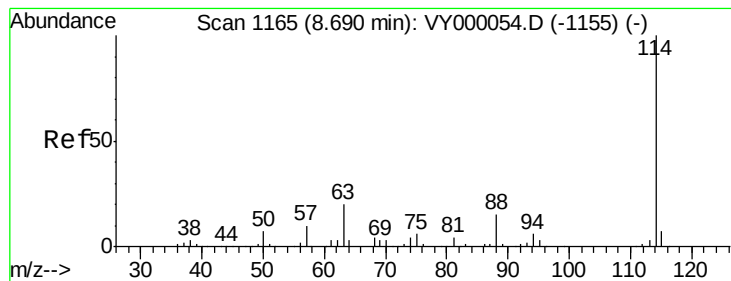
67 55.6 0.0 111.0



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: 8.69 min Scan# 1165

Delta R.T. -0.00 min

Lab File: VY000079.D

Acq: 19 Sep 2019 15:56

Instrument :

MSVOA_Y

ClientSampleId :

CSA-2-7-4

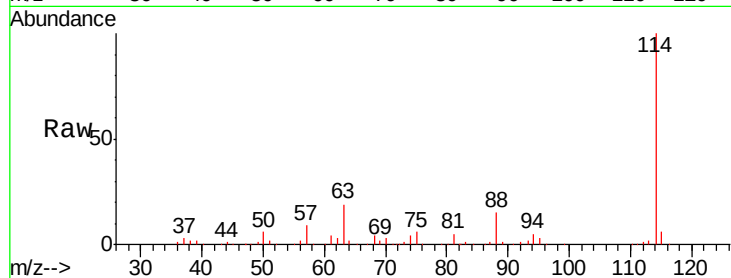
Tgt Ion:114 Resp: 222619

Ion Ratio Lower Upper

114 100

63 18.8 0.0 39.4

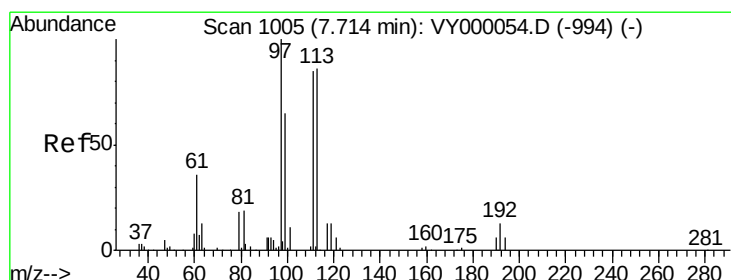
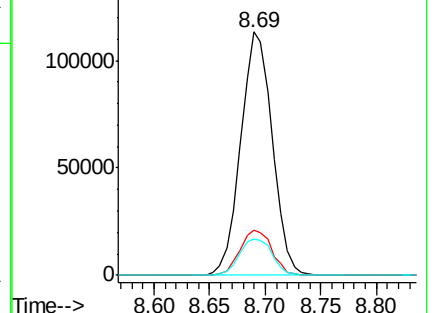
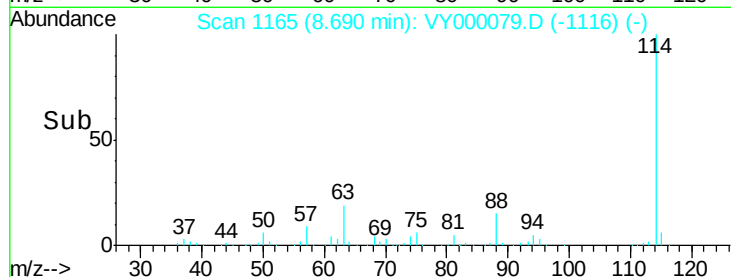
88 14.8 0.0 30.2



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: 44.843 ug/l

RT: 7.72 min Scan# 1006

Delta R.T. 0.01 min

Lab File: VY000079.D

Acq: 19 Sep 2019 15:56

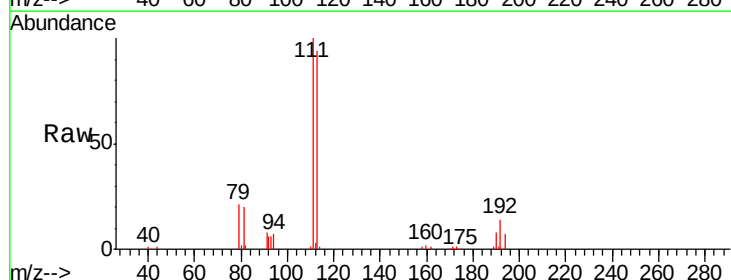
Tgt Ion:113 Resp: 60444

Ion Ratio Lower Upper

113 100

111 101.4 81.7 122.5

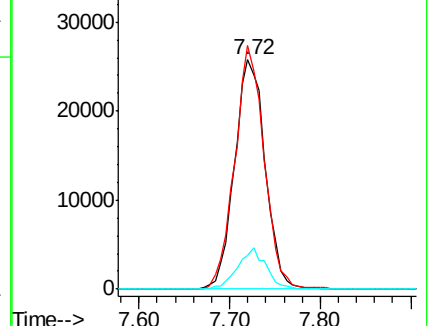
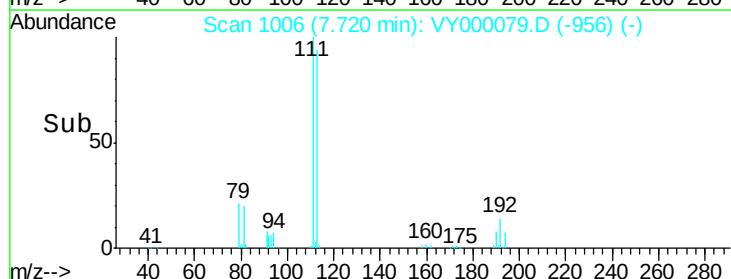
192 16.5 13.4 20.2

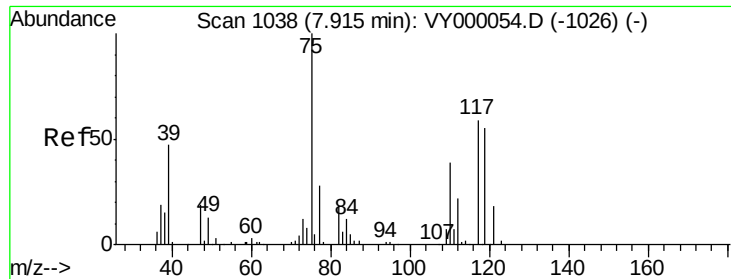


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

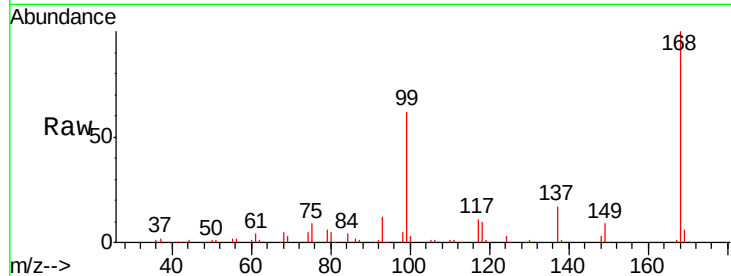




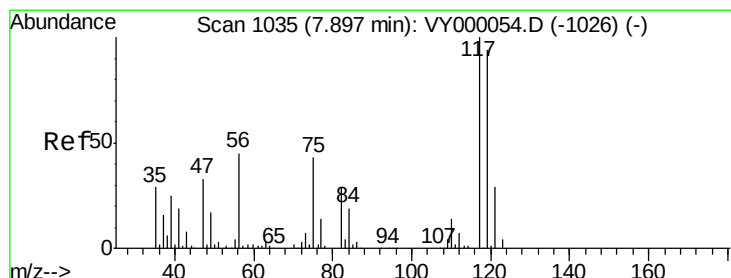
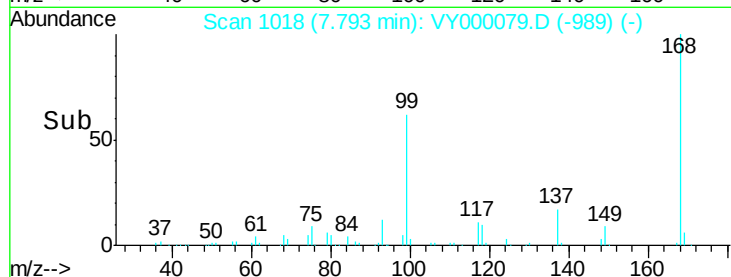
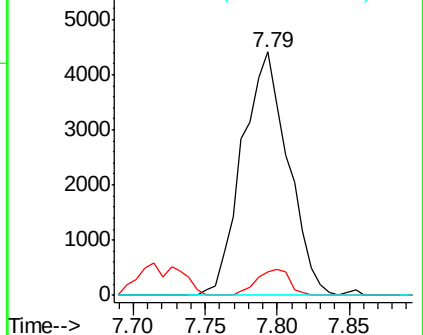
#36
 1,1-Dichloropropene
 Concen: 5.878 ug/l
 RT: 7.79 min Scan# 1018
 Delta R.T. -0.12 min
 Lab File: VY000079.D
 Acq: 19 Sep 2019 15:56

Instrument :
 MSVOA_Y
 ClientSampleId :
 CSA-2-7-4

Tgt Ion: 75 Resp: 9784
 Ion Ratio Lower Upper
 75 100
 110 7.7 19.6 58.7#
 77 0.0 24.3 36.5#

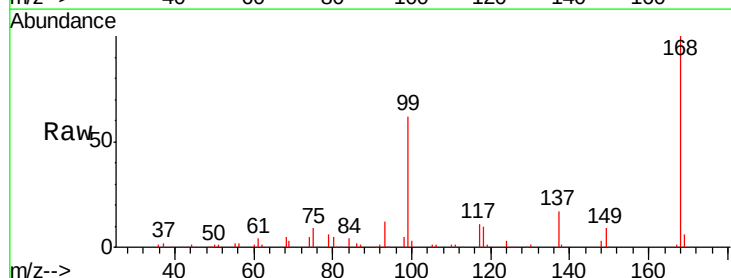


Abundance Ion 74.90 (74.60 to 75.60): VY0
 Ion 109.90 (109.60 to 110.60): VY0
 Ion 76.90 (76.60 to 77.60): VY0

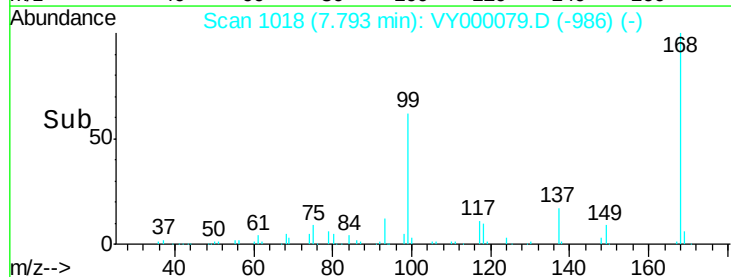
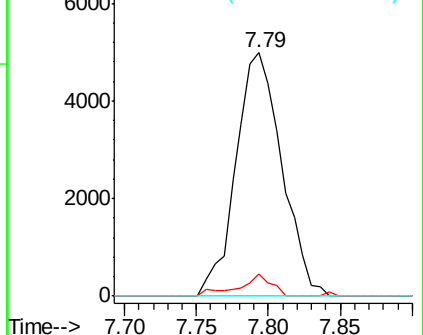


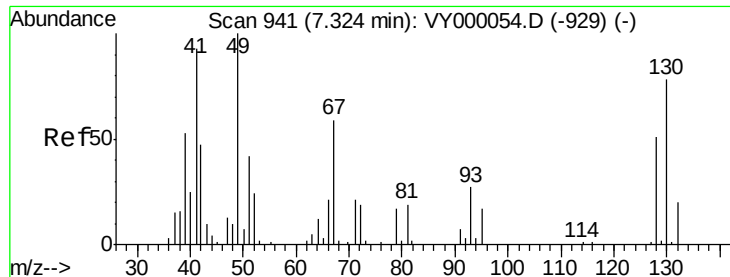
#38
 Carbon Tetrachloride
 Concen: 7.041 ug/l
 RT: 7.79 min Scan# 1018
 Delta R.T. -0.10 min
 Lab File: VY000079.D
 Acq: 19 Sep 2019 15:56

Tgt Ion: 117 Resp: 11062
 Ion Ratio Lower Upper
 117 100
 119 9.0 75.0 112.6#
 121 0.0 22.8 34.2#



Abundance Ion 116.80 (116.50 to 117.50): VY0
 Ion 118.80 (118.50 to 119.50): VY0
 Ion 120.80 (120.50 to 121.50): VY0

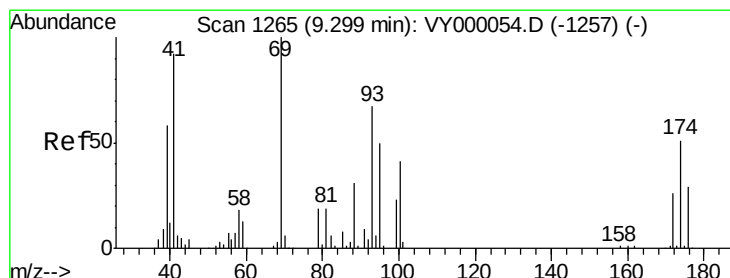
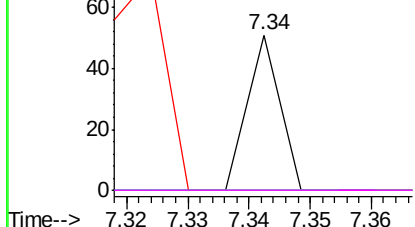
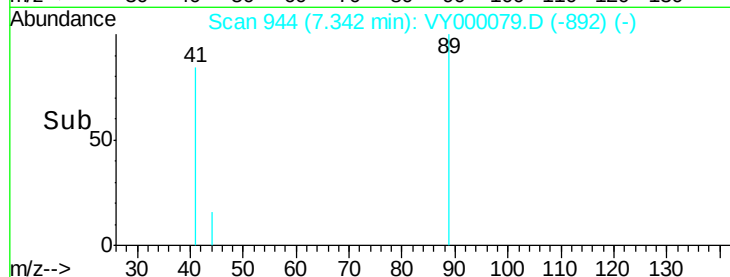
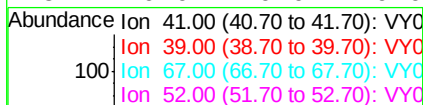
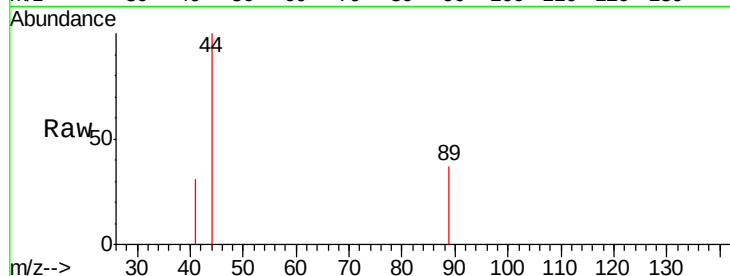




#41
Methacrylonitrile
Concen: 4.328 ug/l
RT: 7.34 min Scan# 944
Delta R.T. 0.02 min
Lab File: VY000079.D
Acq: 19 Sep 2019 15:56

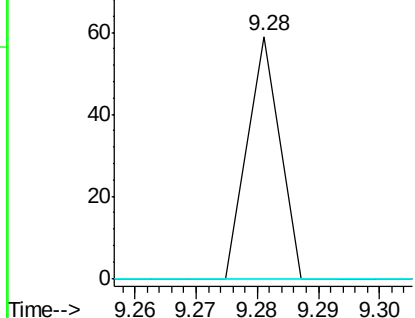
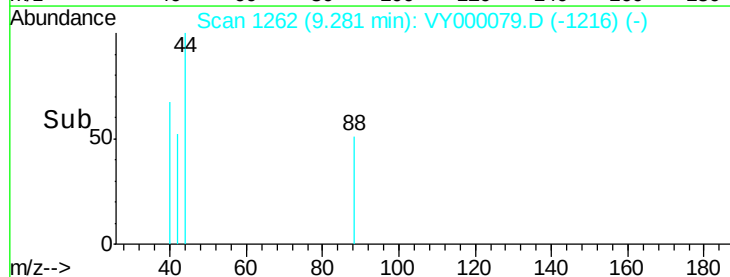
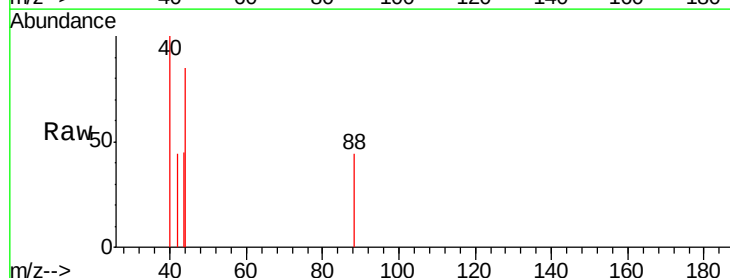
Instrument :
MSVOA_Y
ClientSampled :
CSA-2-7-4

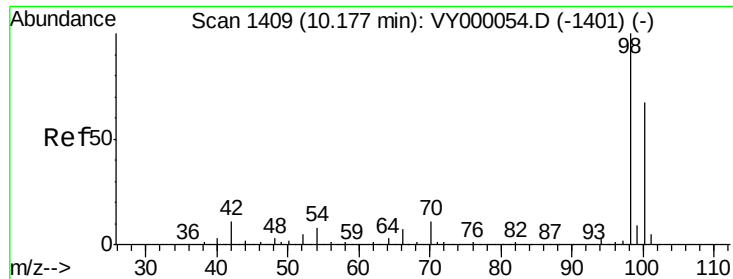
Tgt Ion:	41	Resp:	19
Ion	Ratio	Lower	Upper
41	100		
39	242.1	91.8	137.6#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#49
1,4-Dioxane
Concen: 1.457 ug/l
RT: 9.28 min Scan# 1262
Delta R.T. -0.02 min
Lab File: VY000079.D
Acq: 19 Sep 2019 15:56

Tgt Ion:	88	Resp:	22
Ion	Ratio	Lower	Upper
88	100		
43	0.0	18.7	28.1#
58	0.0	53.0	79.6#





#50

Toluene-d8

Concen: 49.170 ug/l

RT: 10.18 min Scan# 1409

Delta R.T. -0.00 min

Lab File: VY000079.D

Acq: 19 Sep 2019 15:56

Instrument :

MSVOA_Y

ClientSampleId :

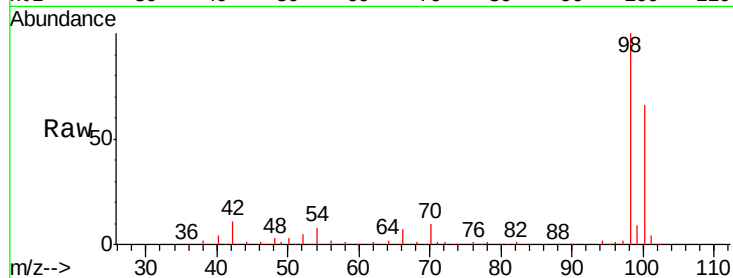
CSA-2-7-4

Tgt Ion: 98 Resp: 260314

Ion Ratio Lower Upper

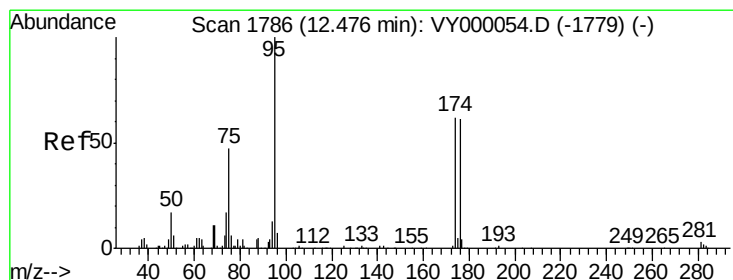
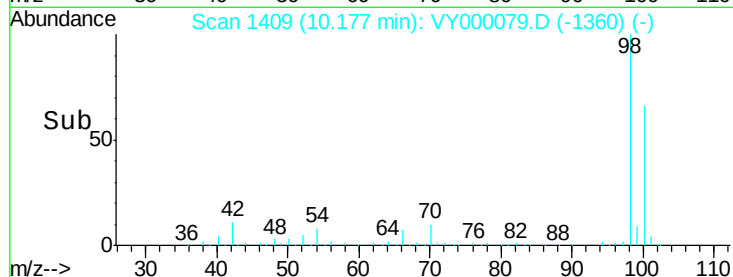
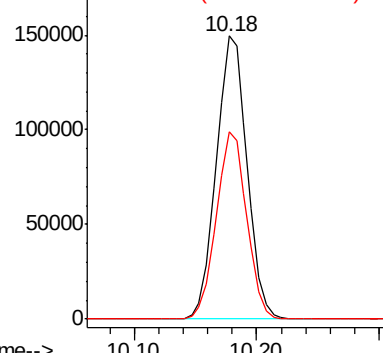
98 100

100 65.6 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY



#62

4-Bromofluorobenzene

Concen: 39.759 ug/l

RT: 12.48 min Scan# 1787

Delta R.T. 0.01 min

Lab File: VY000079.D

Acq: 19 Sep 2019 15:56

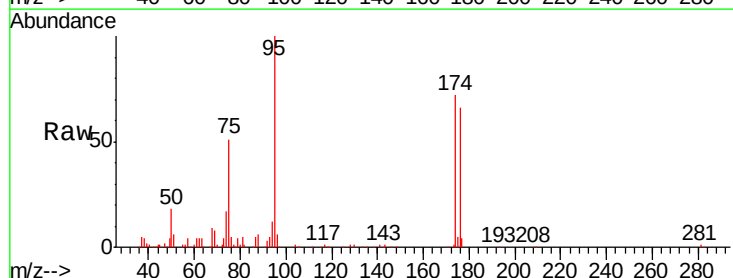
Tgt Ion: 95 Resp: 78150

Ion Ratio Lower Upper

95 100

174 66.2 0.0 137.2

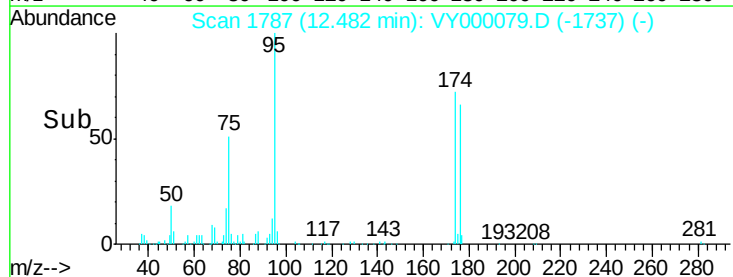
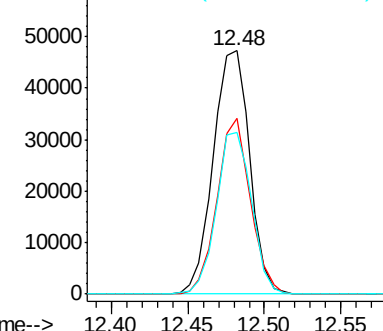
176 64.3 0.0 135.0

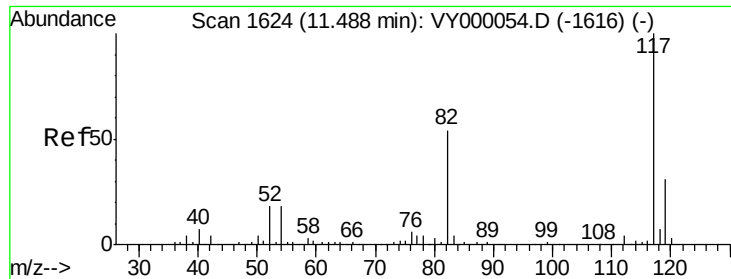


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

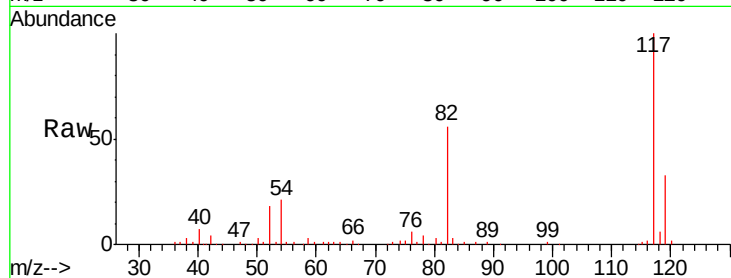




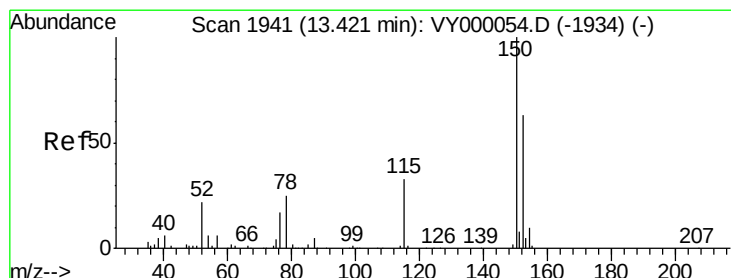
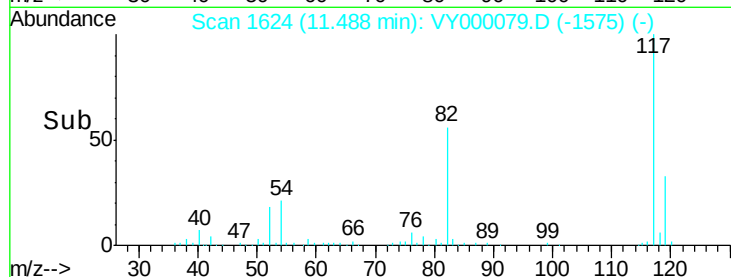
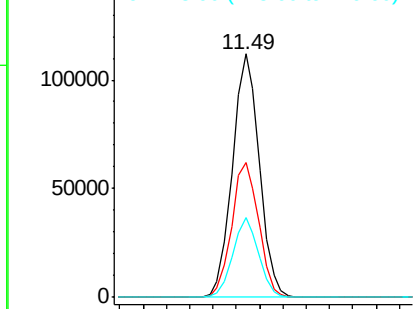
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1624
Delta R.T. -0.00 min
Lab File: VY000079.D
Acq: 19 Sep 2019 15:56

Instrument :
MSVOA_Y
ClientSampleId :
CSA-2-7-4

Tgt Ion:117 Resp: 180084
Ion Ratio Lower Upper
117 100
82 55.6 43.5 65.3
119 32.7 24.6 36.8

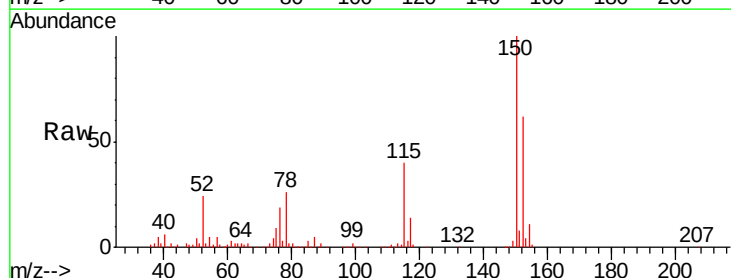


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

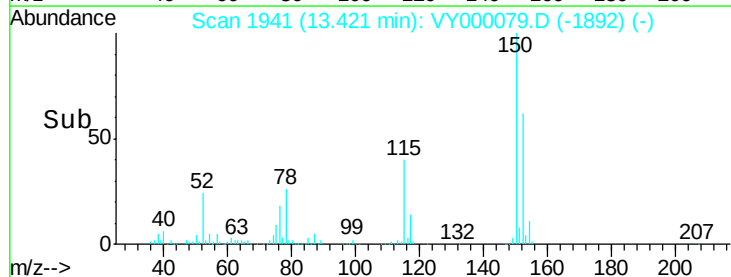
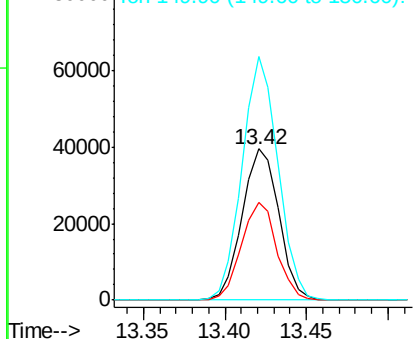


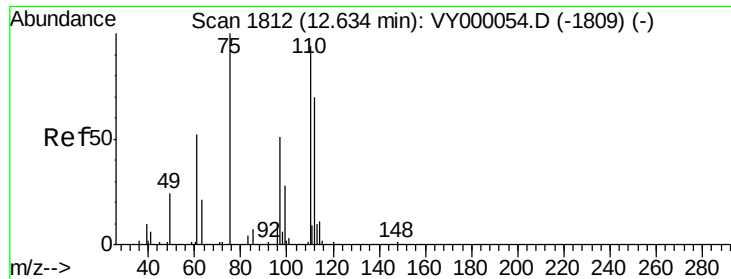
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1941
Delta R.T. -0.00 min
Lab File: VY000079.D
Acq: 19 Sep 2019 15:56

Tgt Ion:152 Resp: 62265
Ion Ratio Lower Upper
152 100
115 62.0 30.7 92.1
150 157.0 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: 45.595 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.16 min

Lab File: VY000079.D

Acq: 19 Sep 2019 15:56

Instrument :

MSVOA_Y

ClientSampleId :

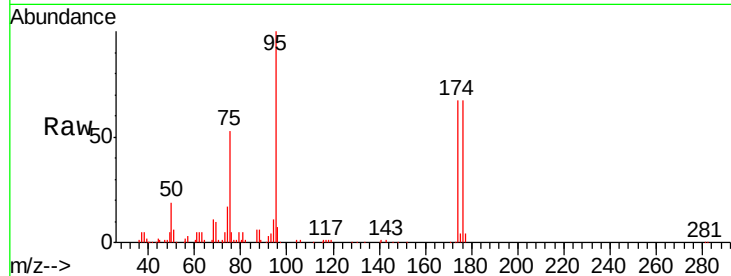
CSA-2-7-4

Tgt Ion: 75 Resp: 39944

Ion Ratio Lower Upper

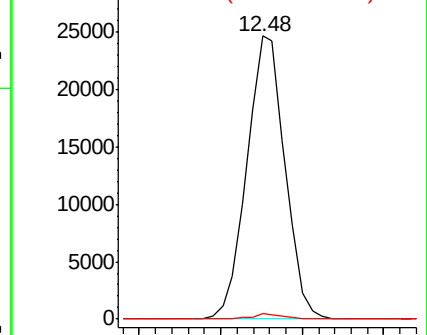
75 100

77 1.7 0.0 0.0#

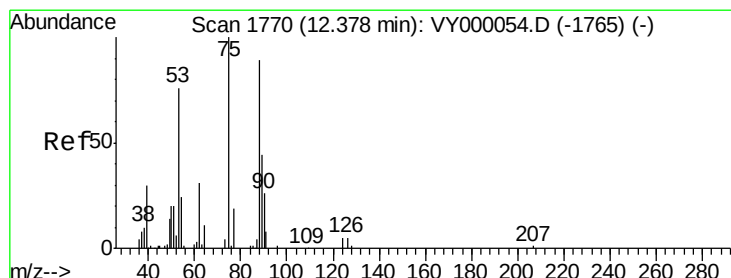
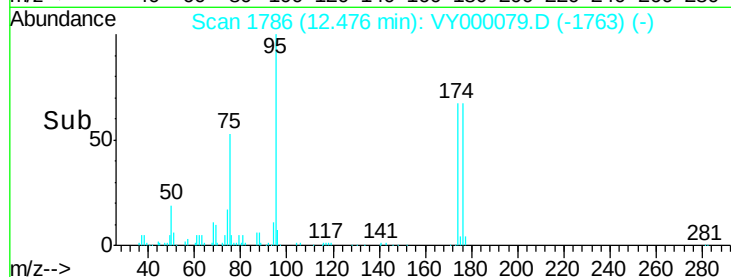


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0



Time--> 12.40 12.45 12.50 12.55



#81

trans-1,4-Dichloro-2-butene

Concen: 87.690 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. 0.10 min

Lab File: VY000079.D

Acq: 19 Sep 2019 15:56

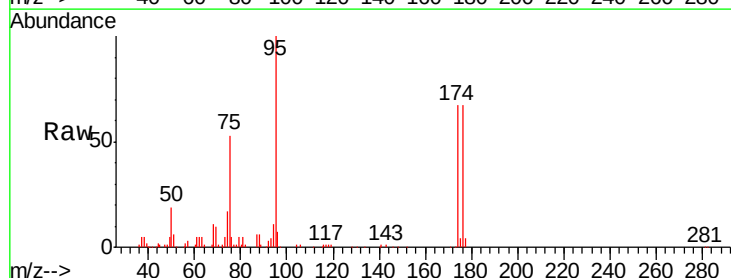
Tgt Ion: 75 Resp: 39944

Ion Ratio Lower Upper

75 100

53 0.0 60.9 91.3#

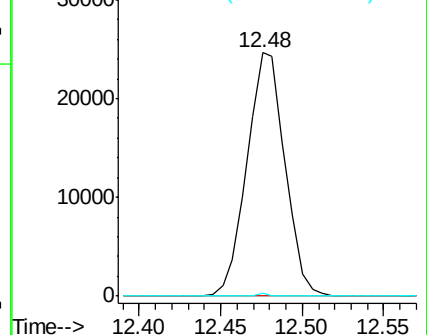
89 0.2 35.3 52.9#



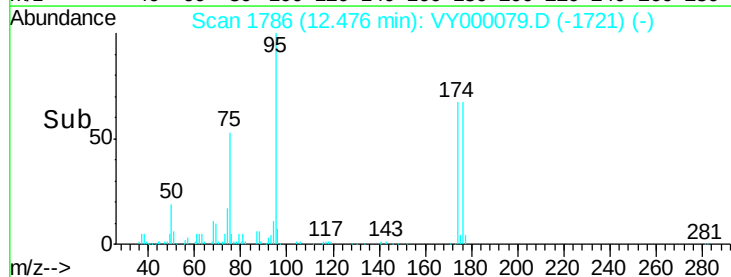
Abundance Ion 74.90 (74.60 to 75.60): VY0

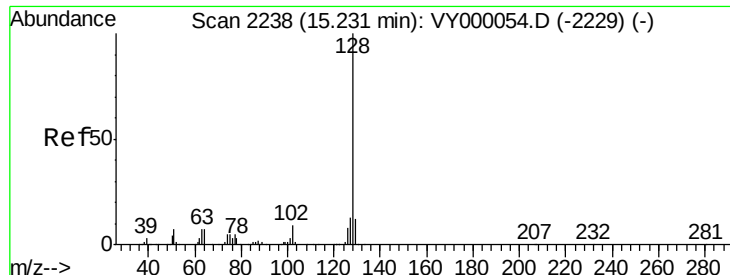
Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0



Time--> 12.40 12.45 12.50 12.55

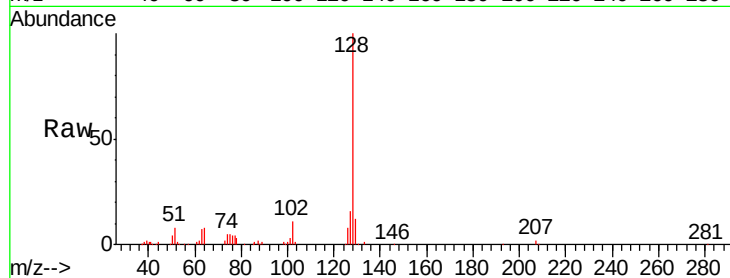




#95
Naphthalene
Concen: 13.179 ug/l
RT: 15.23 min Scan# 2238
Delta R.T. -0.00 min
Lab File: VY000079.D
Acq: 19 Sep 2019 15:56

Instrument :
MSVOA_Y
ClientSampleId :
CSA-2-7-4

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.3	15.5
129	11.8	9.2	13.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

