

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY091919\
 Data File : VY000078.D
 Acq On : 19 Sep 2019 15:33
 Operator : SY/MD
 Sample : K4878-07
 Misc : 5.27g/5.00ml/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Sep 20 01:55:51 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	102922	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	208425	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	154589	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	44206	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	62204	52.53	ug/l	0.00
Spiked Amount			Recovery	=	105.06%	
35) Dibromofluoromethane	7.72	113	58743	46.55	ug/l	0.00
Spiked Amount			Recovery	=	93.10%	
50) Toluene-d8	10.18	98	231870	46.78	ug/l	0.00
Spiked Amount			Recovery	=	93.56%	
62) 4-Bromofluorobenzene	12.48	95	60684	32.98	ug/l	0.00
Spiked Amount			Recovery	=	65.96%	

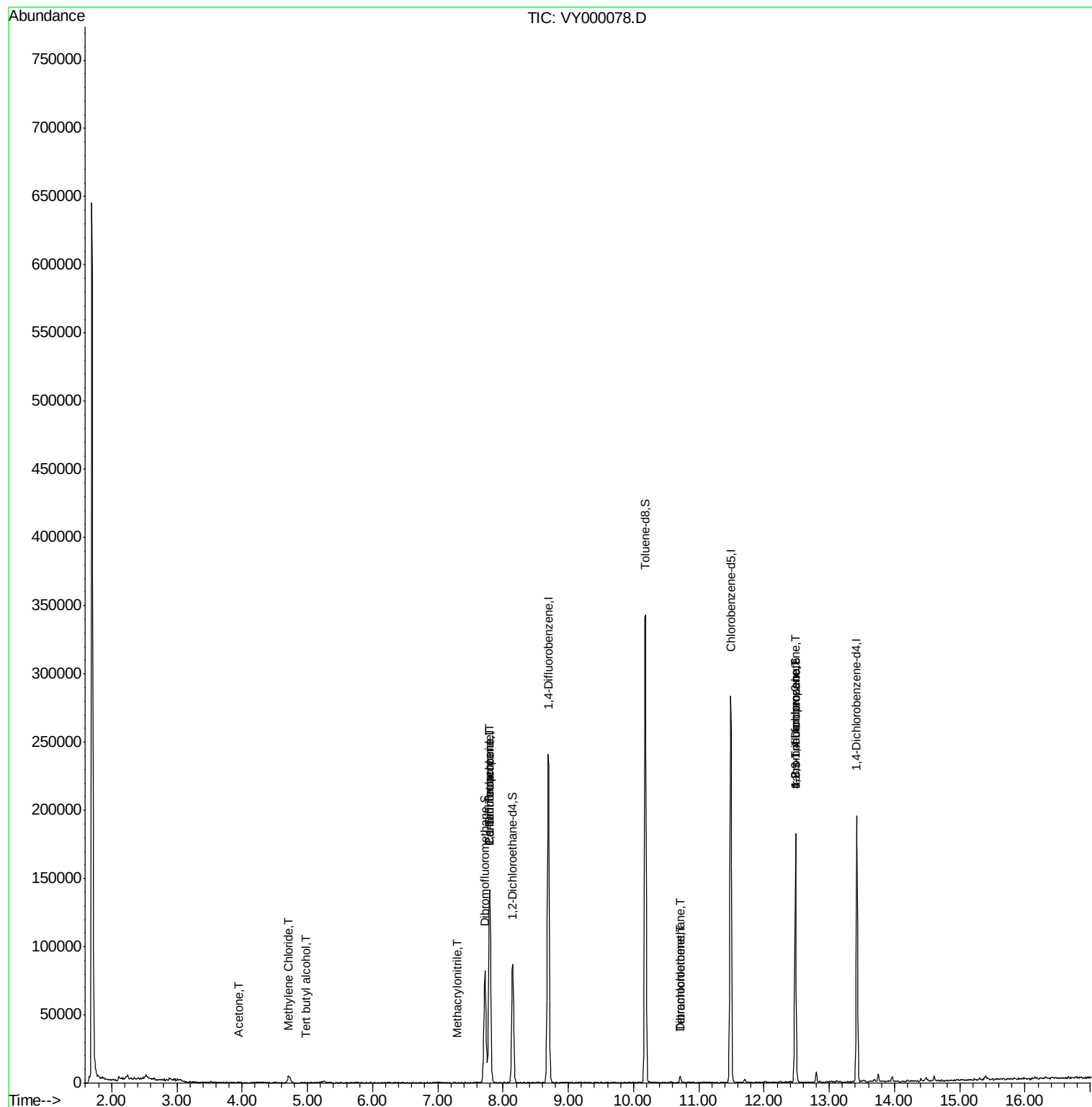
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.11	50	1536	Below Cal	#	71
5) Bromomethane	2.67	94	46	Below Cal	#	6
11) Tert butyl alcohol	4.98	59	142	1.012	ug/l #	73
13) Acrolein	3.60	56	52	Below Cal	#	46
16) Acetone	3.95	43	307	1.114	ug/l	92
17) Carbon Disulfide	4.20	76	185	Below Cal	#	77
20) Methylene Chloride	4.71	84	3713	2.863	ug/l #	80
31) Cyclohexane	7.78	56	2802	Below Cal	#	52
36) 1,1-Dichloropropene	7.79	75	9063	5.815	ug/l #	46
38) Carbon Tetrachloride	7.79	117	10626	7.224	ug/l #	17
41) Methacrylonitrile	7.29	41	105	4.427	ug/l #	54
60) Dibromochloromethane	10.71	129	1259	1.052	ug/l #	9
64) Tetrachloroethene	10.71	164	987	1.017	ug/l #	73
76) 1,2,3-Trichloropropane	12.48	75	30700	49.359	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	30700	94.930	ug/l #	19

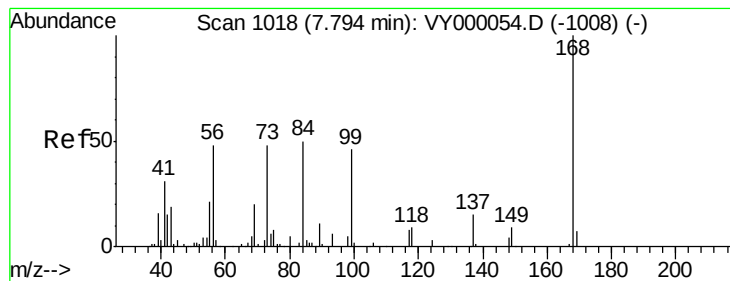
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY000078.D

Acq: 19 Sep 2019 15:33

Instrument :

MSVOA_Y

ClientSampled :

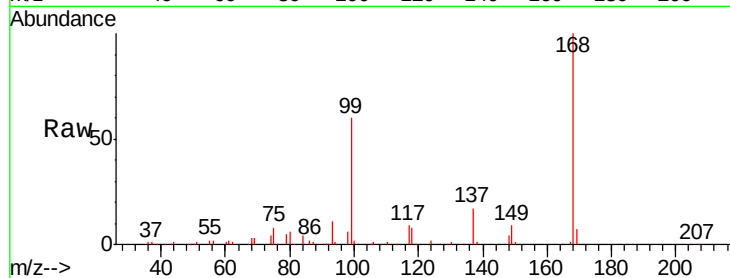
CSA-2-7-2

Tgt Ion:168 Resp: 102922

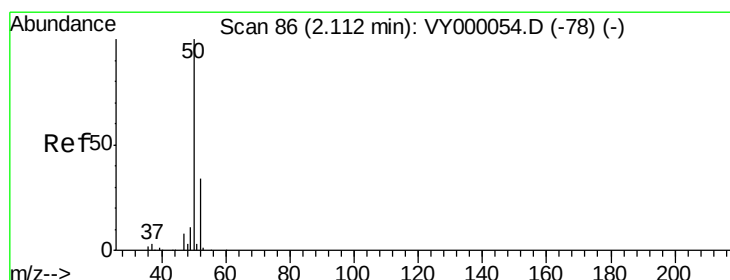
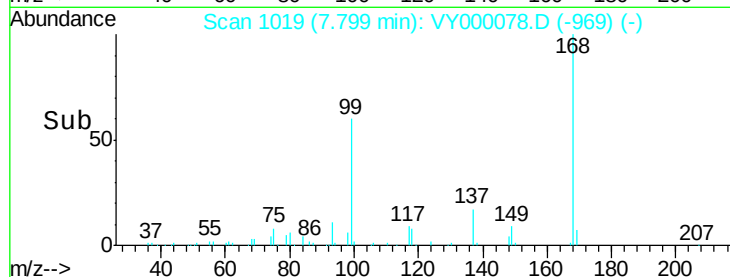
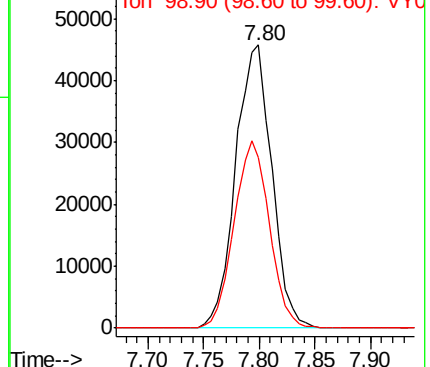
Ion Ratio Lower Upper

168 100

99 60.2 44.2 66.2



Abundance Ion 167.90 (167.60 to 168.60): VY000078.D (-969) (-)



#3

Chloromethane

Concen: Below Cal

RT: 2.11 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY000078.D

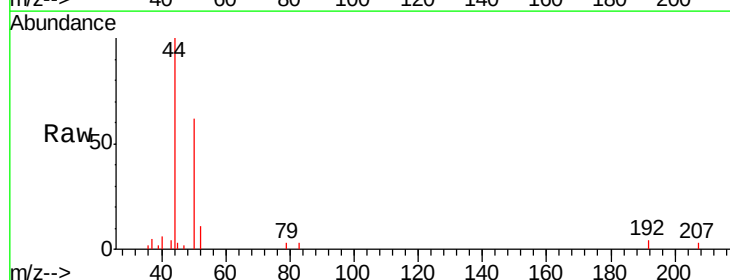
Acq: 19 Sep 2019 15:33

Tgt Ion: 50 Resp: 1536

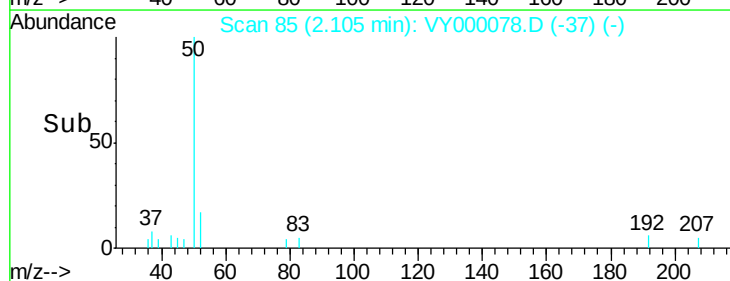
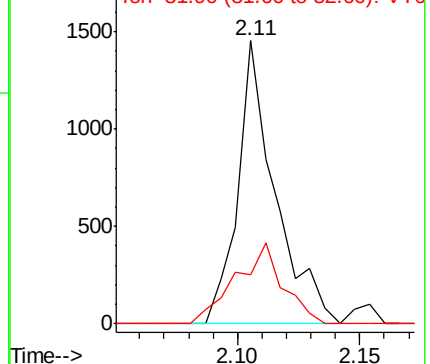
Ion Ratio Lower Upper

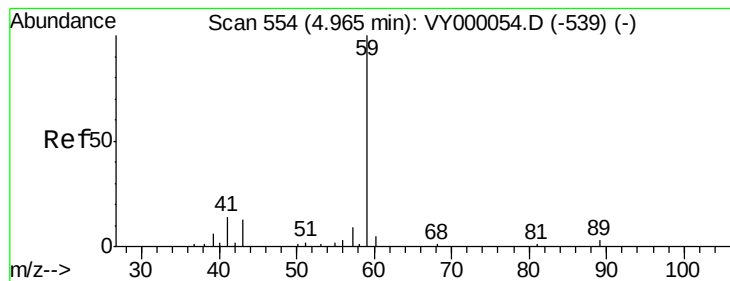
50 100

52 17.4 27.3 40.9#



Abundance Ion 49.90 (49.60 to 50.60): VY000078.D (-37) (-)





#11

Tert butyl alcohol

Concen: 1.012 ug/l

RT: 4.98 min Scan# 557

Delta R.T. 0.02 min

Lab File: VY000078.D

Acq: 19 Sep 2019 15:33

Instrument :

MSVOA_Y

ClientSampleId :

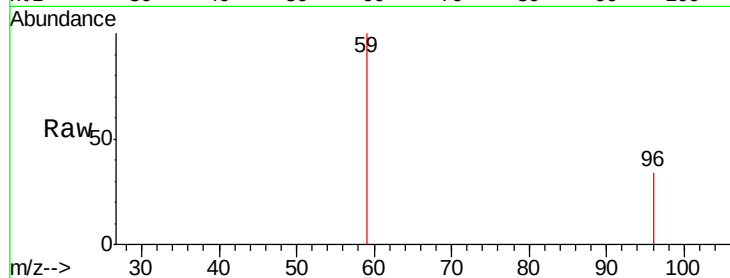
CSA-2-7-2

Tgt Ion: 59 Resp: 142

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

4.98

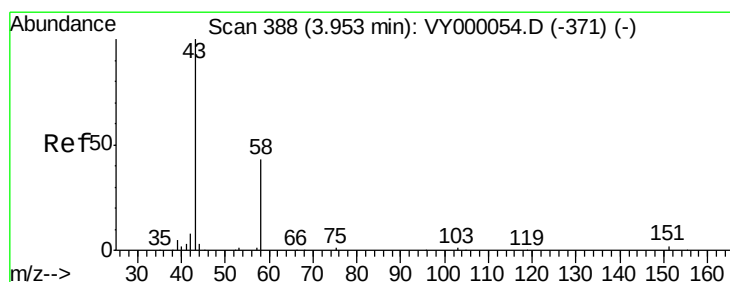
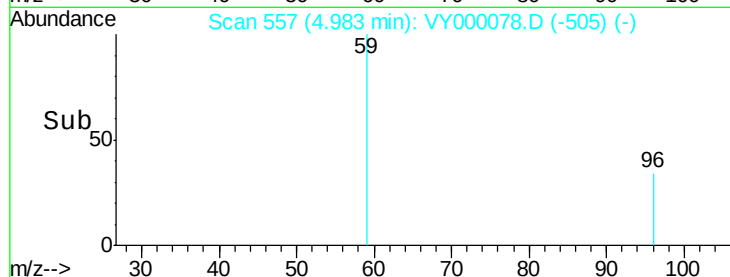
150

100

50

0

Time-->



#16

Acetone

Concen: 1.114 ug/l

RT: 3.95 min Scan# 387

Delta R.T. -0.01 min

Lab File: VY000078.D

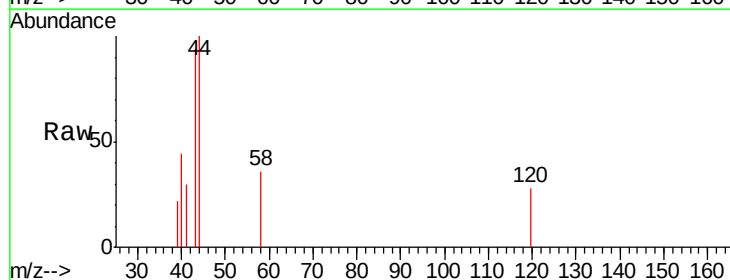
Acq: 19 Sep 2019 15:33

Tgt Ion: 43 Resp: 307

Ion Ratio Lower Upper

43 100

58 38.2 34.5 51.7



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

3.95

300

250

200

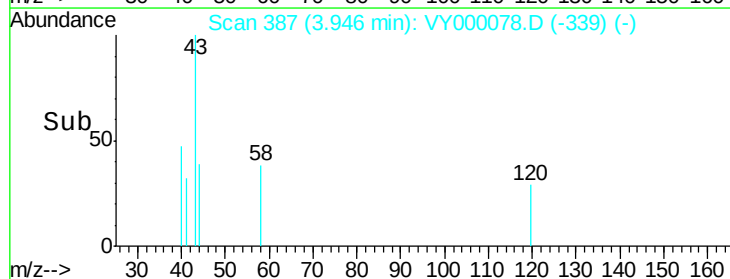
150

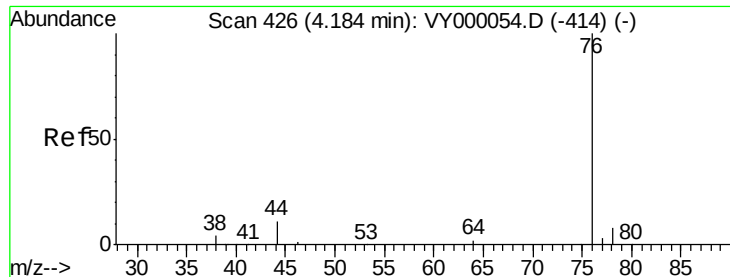
100

50

0

Time-->





#17

Carbon Disulfide

Concen: Below Cal

RT: 4.20 min Scan# 429

Delta R.T. 0.02 min

Lab File: VY000078.D

Acq: 19 Sep 2019 15:33

Instrument :

MSVOA_Y

ClientSampleId :

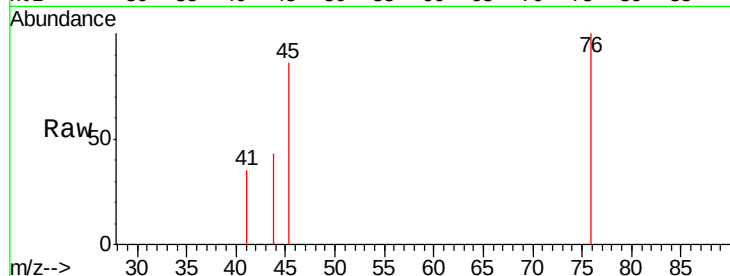
CSA-2-7-2

Tgt Ion: 76 Resp: 185

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

4.20

200

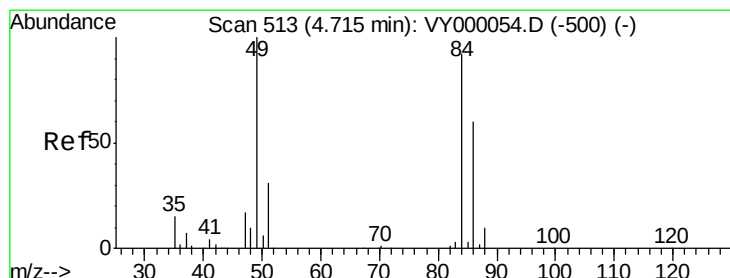
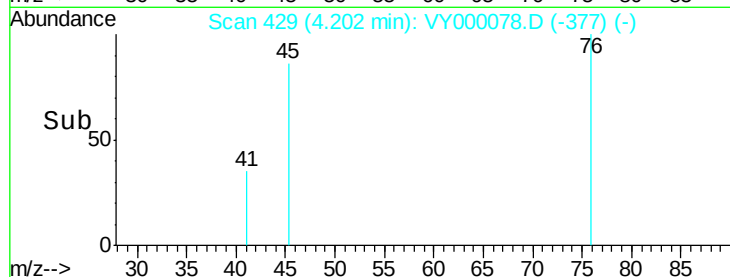
150

100

50

0

Time-->



#20

Methylene Chloride

Concen: 2.863 ug/l

RT: 4.71 min Scan# 512

Delta R.T. -0.01 min

Lab File: VY000078.D

Acq: 19 Sep 2019 15:33

Tgt Ion: 84 Resp: 3713

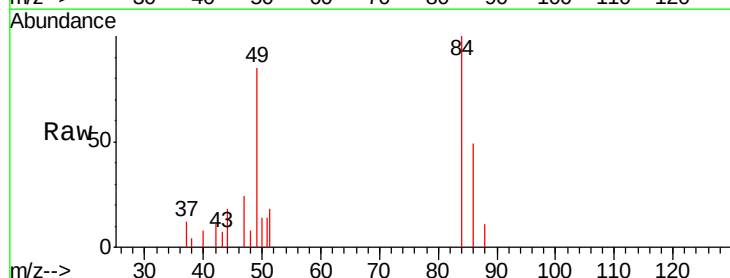
Ion Ratio Lower Upper

84 100

49 84.7 87.4 131.0#

51 31.2 27.2 40.8

86 49.3 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

2500

2000

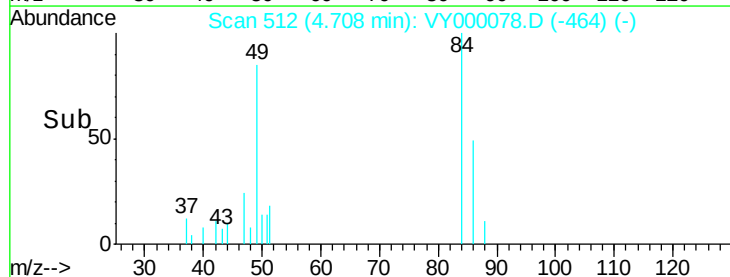
1500

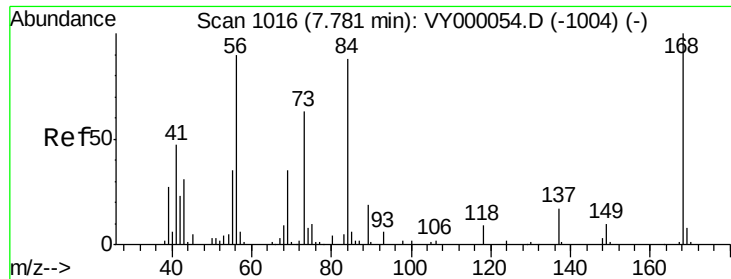
1000

500

0

Time-->

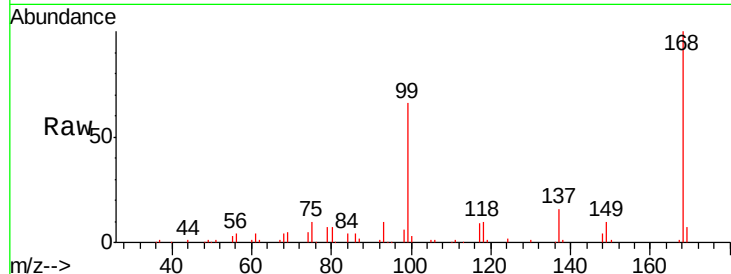




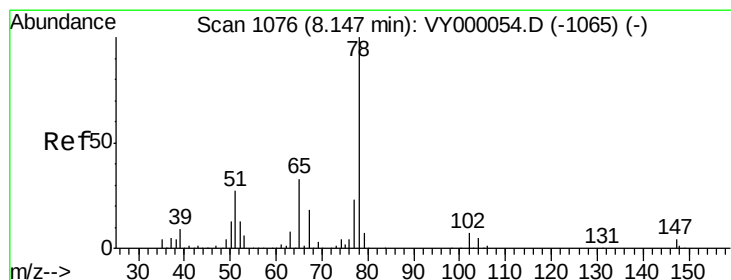
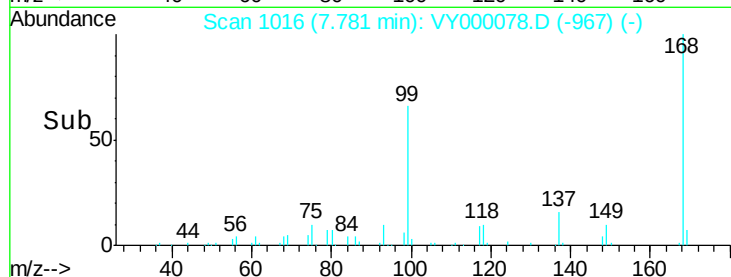
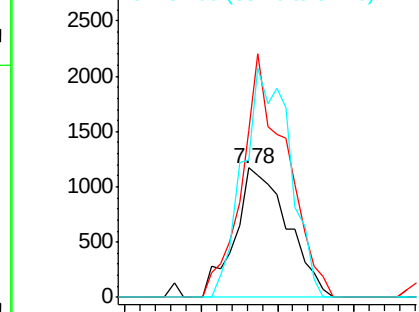
#31
Cyclohexane
Concen: Below Cal
RT: 7.78 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VY000078.D
Acq: 19 Sep 2019 15:33

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

Tgt Ion: 56 Resp: 2802
Ion Ratio Lower Upper
56 100
69 128.9 30.9 46.3#
84 106.4 78.5 117.7

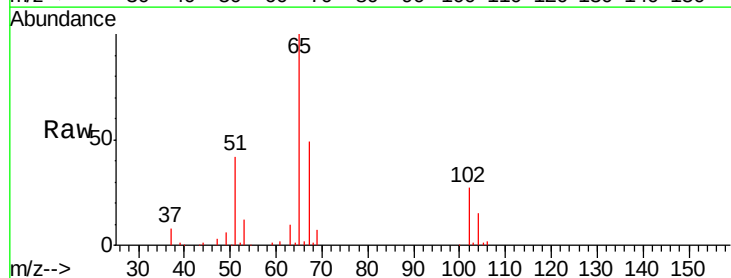


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

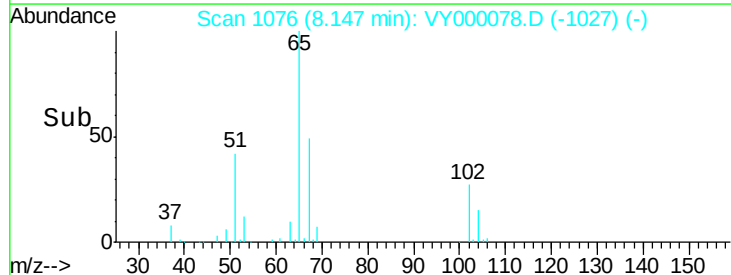
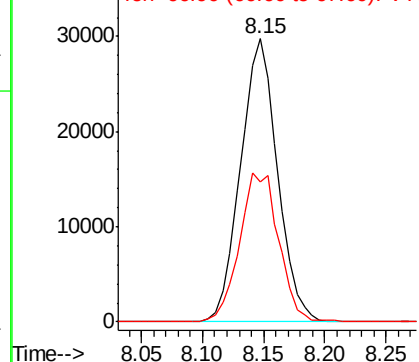


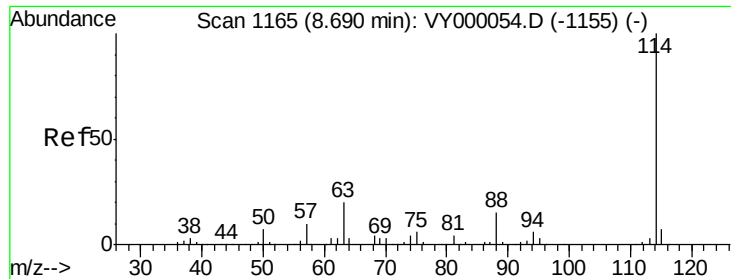
#33
1,2-Dichloroethane-d4
Concen: 52.531 ug/l
RT: 8.15 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VY000078.D
Acq: 19 Sep 2019 15:33

Tgt Ion: 65 Resp: 62204
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: 8.69 min Scan# 1165

Delta R.T. -0.00 min

Lab File: VY000078.D

Acq: 19 Sep 2019 15:33

Instrument :

MSVOA_Y

ClientSampleId :

CSA-2-7-2

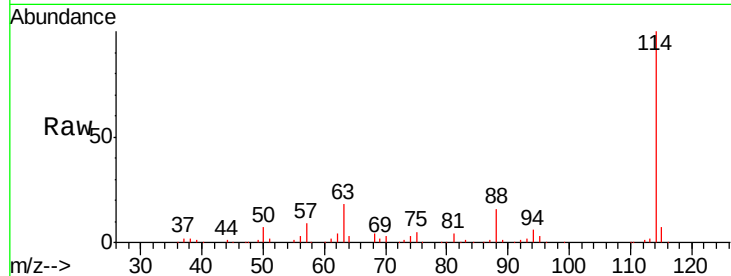
Tgt Ion:114 Resp: 208425

Ion Ratio Lower Upper

114 100

63 17.7 0.0 39.4

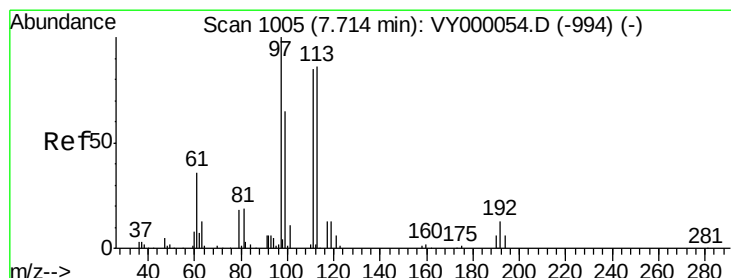
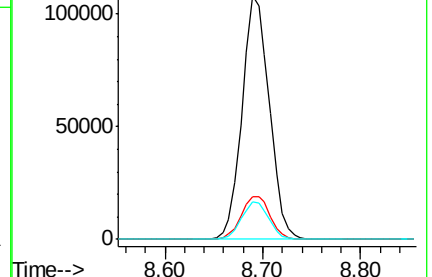
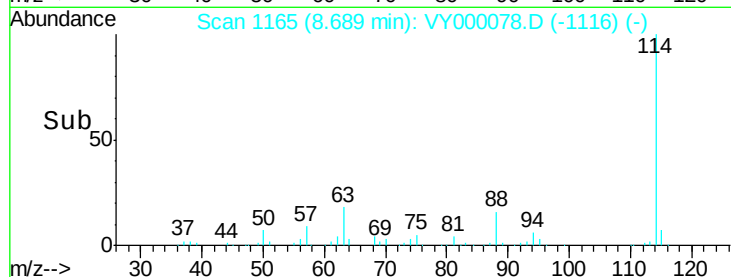
88 15.6 0.0 30.2



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: 46.549 ug/l

RT: 7.72 min Scan# 1006

Delta R.T. 0.01 min

Lab File: VY000078.D

Acq: 19 Sep 2019 15:33

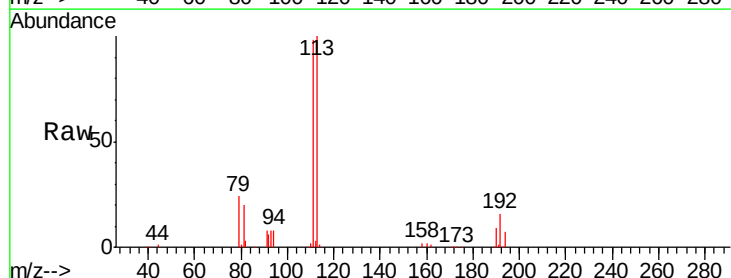
Tgt Ion:113 Resp: 58743

Ion Ratio Lower Upper

113 100

111 106.0 81.7 122.5

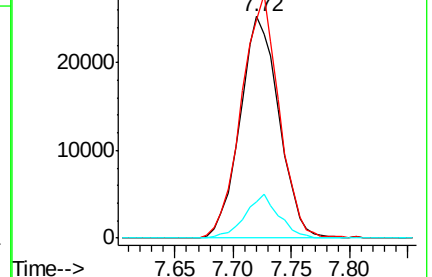
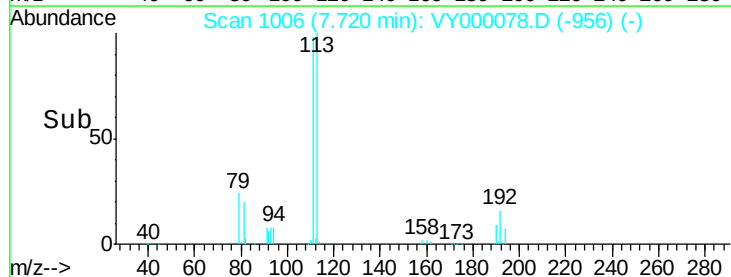
192 17.3 13.4 20.2

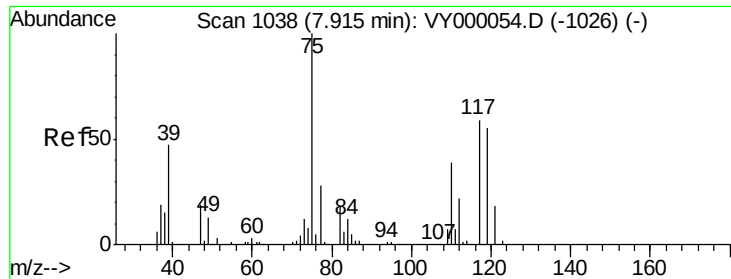


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

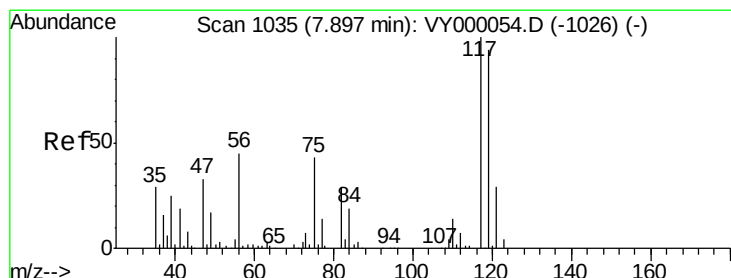
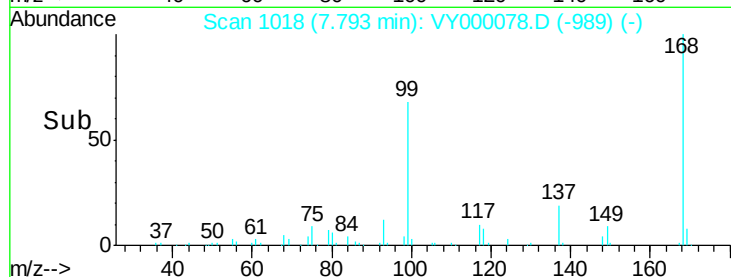
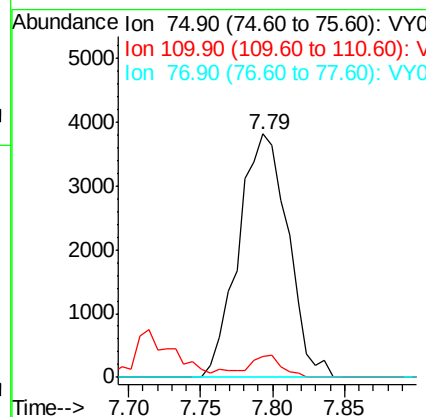
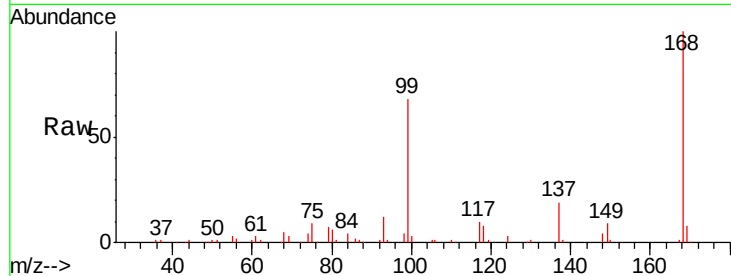




#36
 1,1-Dichloropropene
 Concen: 5.815 ug/l
 RT: 7.79 min Scan# 1018
 Delta R.T. -0.12 min
 Lab File: VY000078.D
 Acq: 19 Sep 2019 15:33

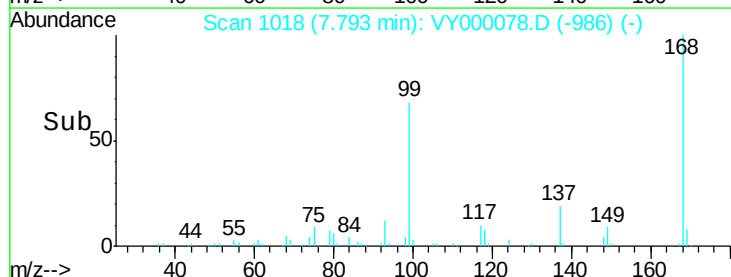
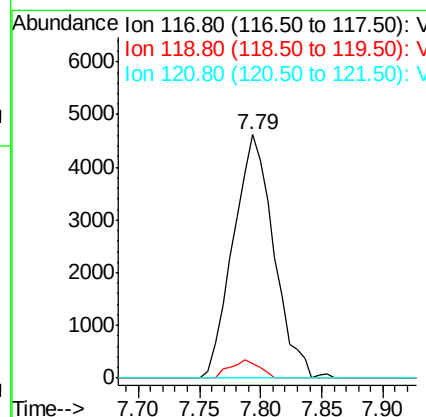
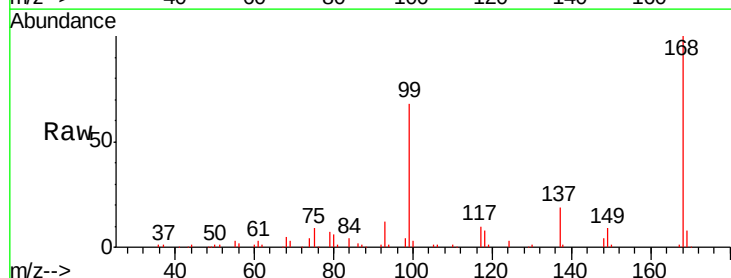
Instrument :
 MSVOA_Y
 ClientSampled :
 CSA-2-7-2

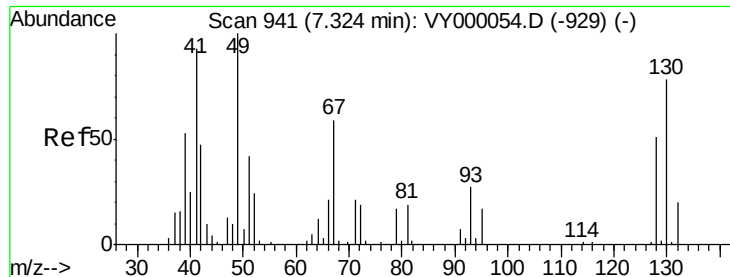
Tgt Ion: 75 Resp: 9063
 Ion Ratio Lower Upper
 75 100
 110 6.8 19.6 58.7#
 77 0.0 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 7.224 ug/l
 RT: 7.79 min Scan# 1018
 Delta R.T. -0.10 min
 Lab File: VY000078.D
 Acq: 19 Sep 2019 15:33

Tgt Ion: 117 Resp: 10626
 Ion Ratio Lower Upper
 117 100
 119 5.8 75.0 112.6#
 121 0.0 22.8 34.2#

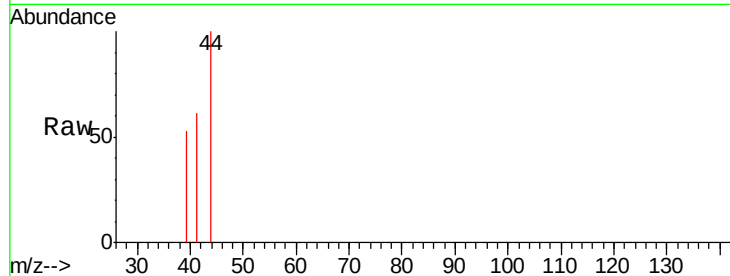




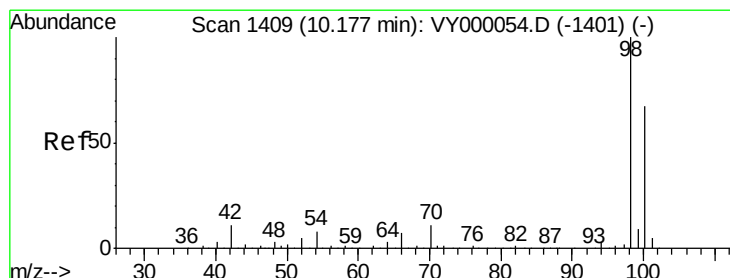
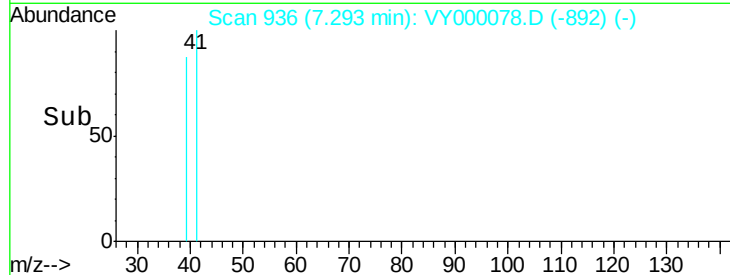
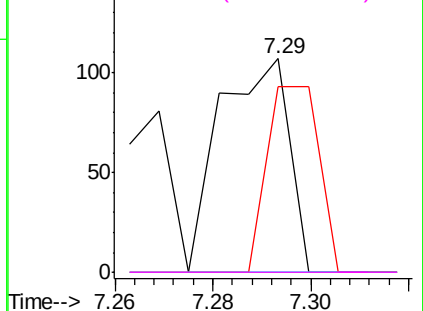
#41
Methacrylonitrile
Concen: 4.427 ug/l
RT: 7.29 min Scan# 936
Delta R.T. -0.03 min
Lab File: VY000078.D
Acq: 19 Sep 2019 15:33

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

Tgt Ion:	41	Resp:	105
Ion	Ratio	Lower	Upper
41	100		
39	64.8	91.8	137.6#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

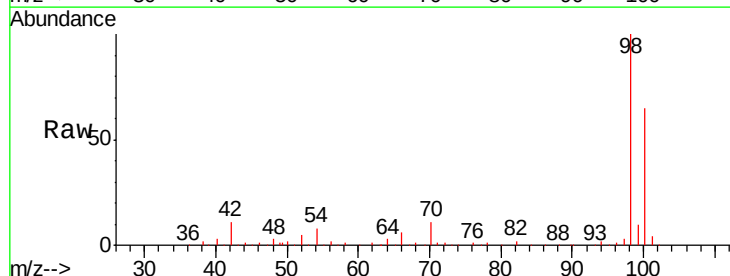


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0

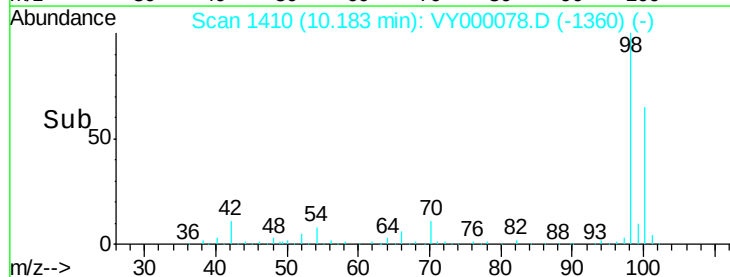
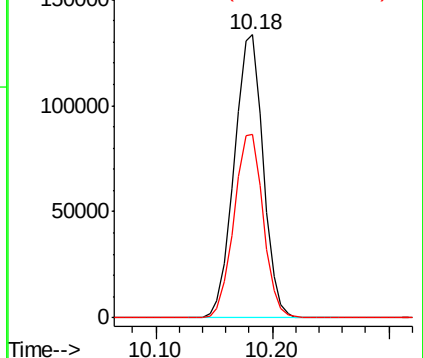


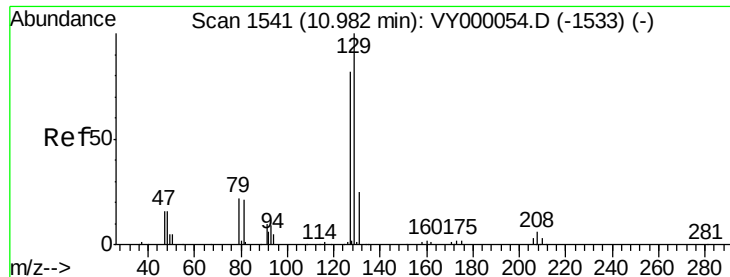
#50
Toluene-d8
Concen: 46.780 ug/l
RT: 10.18 min Scan# 1410
Delta R.T. 0.01 min
Lab File: VY000078.D
Acq: 19 Sep 2019 15:33

Tgt Ion:	98	Resp:	231870
Ion	Ratio	Lower	Upper
98	100		
100	65.4	53.1	79.7



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY0





#60

Dibromochloromethane

Concen: 1.052 ug/l

RT: 10.71 min Scan# 1497

Delta R.T. -0.27 min

Lab File: VY000078.D

Acq: 19 Sep 2019 15:33

Instrument :

MSVOA_Y

ClientSampleId :

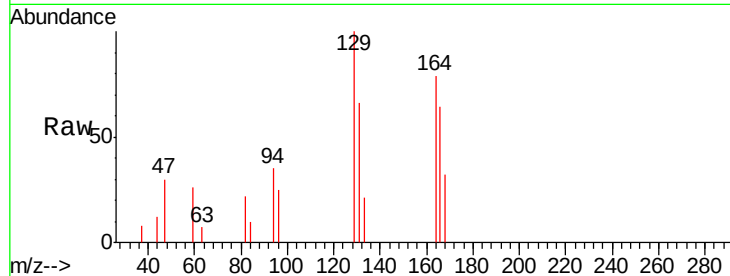
CSA-2-7-2

Tgt Ion: 129 Resp: 1259

Ion Ratio Lower Upper

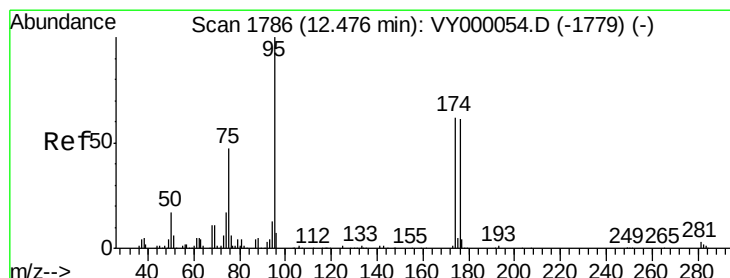
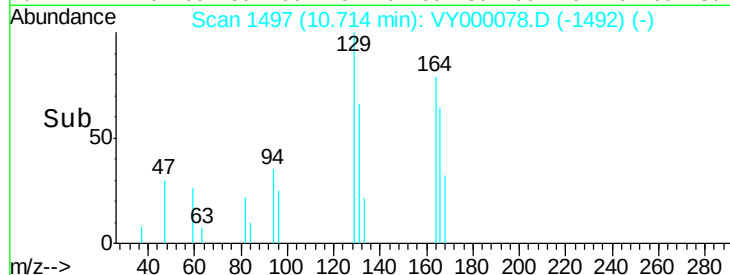
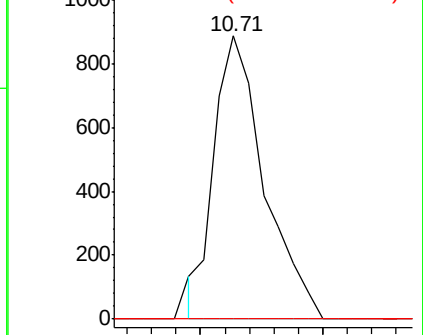
129 100

127 0.0 40.2 120.6#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 32.976 ug/l

RT: 12.48 min Scan# 1787

Delta R.T. 0.01 min

Lab File: VY000078.D

Acq: 19 Sep 2019 15:33

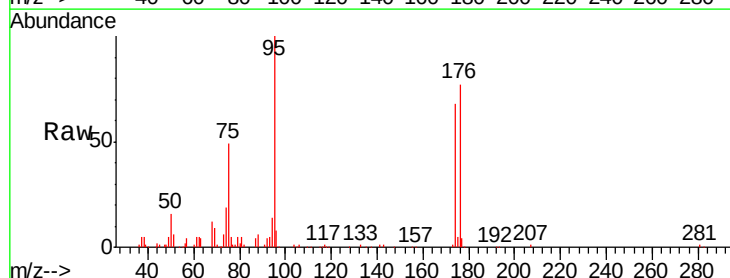
Tgt Ion: 95 Resp: 60684

Ion Ratio Lower Upper

95 100

174 64.8 0.0 137.2

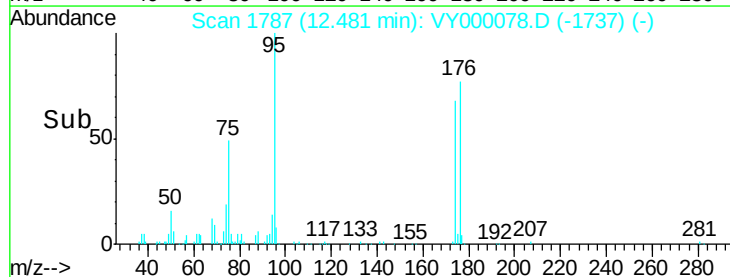
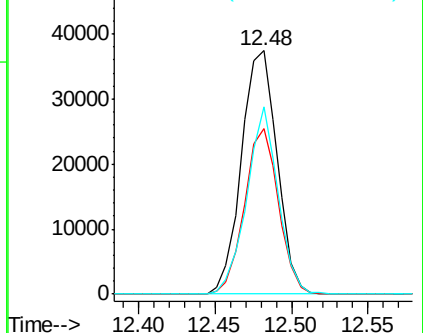
176 67.4 0.0 135.0

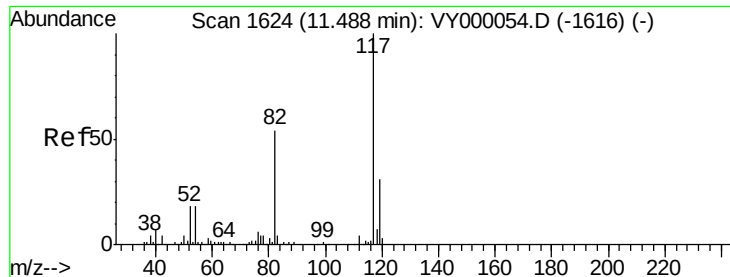


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

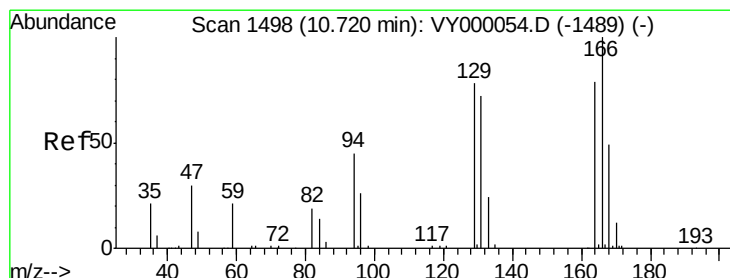
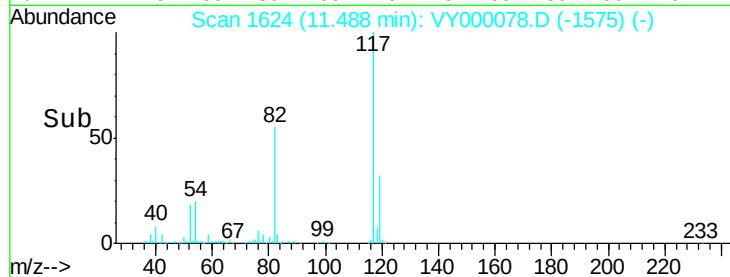
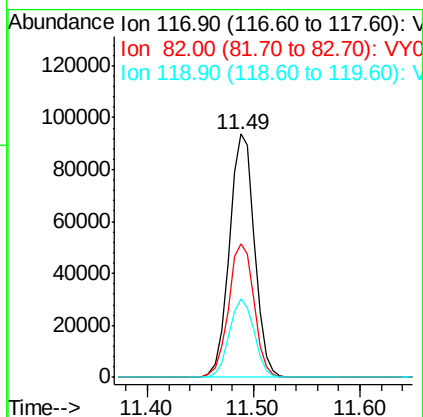
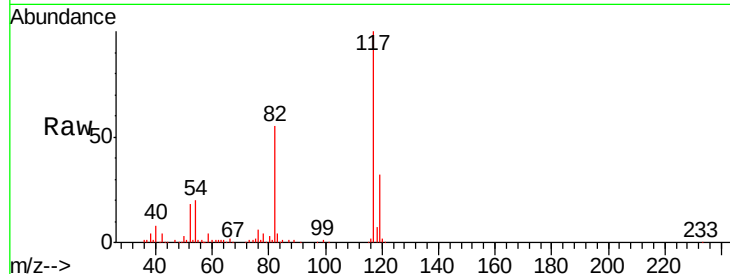




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1624
Delta R.T. -0.00 min
Lab File: VY000078.D
Acq: 19 Sep 2019 15:33

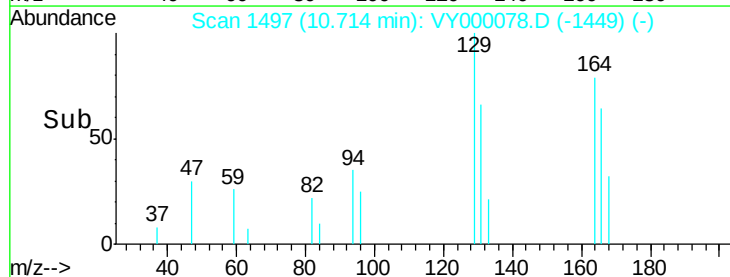
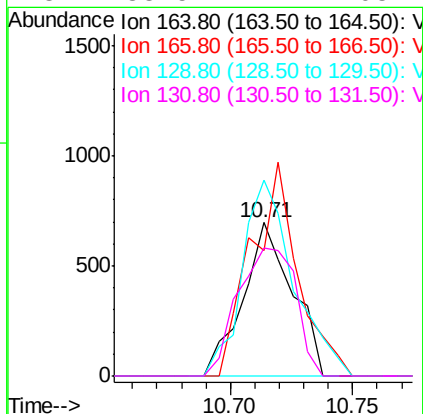
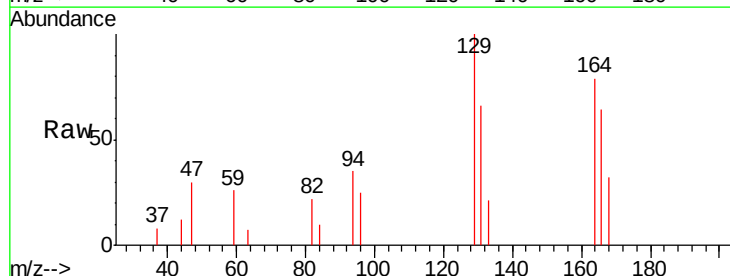
Instrument :
MSVOA_Y
ClientSampleId :
CSA-2-7-2

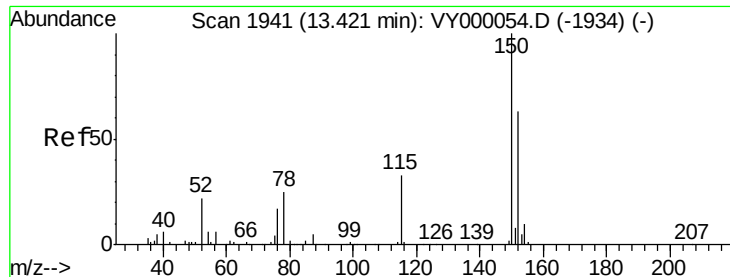
Tgt Ion:117 Resp: 154589
Ion Ratio Lower Upper
117 100
82 55.1 43.5 65.3
119 32.4 24.6 36.8



#64
Tetrachloroethene
Concen: 1.017 ug/l
RT: 10.71 min Scan# 1497
Delta R.T. -0.01 min
Lab File: VY000078.D
Acq: 19 Sep 2019 15:33

Tgt Ion:164 Resp: 987
Ion Ratio Lower Upper
164 100
166 81.5 100.9 151.3#
129 127.3 78.4 117.6#
131 83.5 72.2 108.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1941

Delta R.T. -0.00 min

Lab File: VY000078.D

Acq: 19 Sep 2019 15:33

Instrument :

MSVOA_Y

ClientSampleId :

CSA-2-7-2

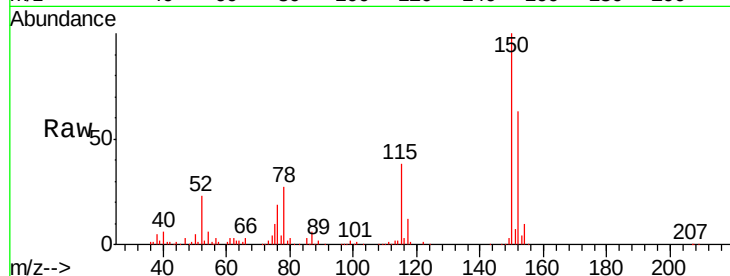
Tgt Ion:152 Resp: 44206

Ion Ratio Lower Upper

152 100

115 62.3 30.7 92.1

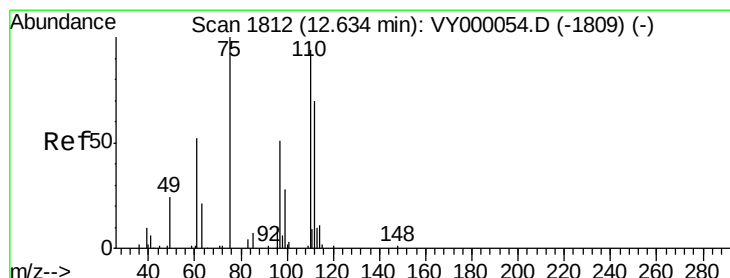
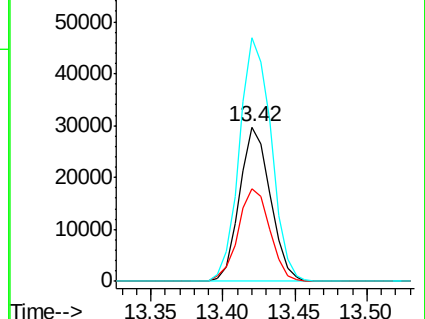
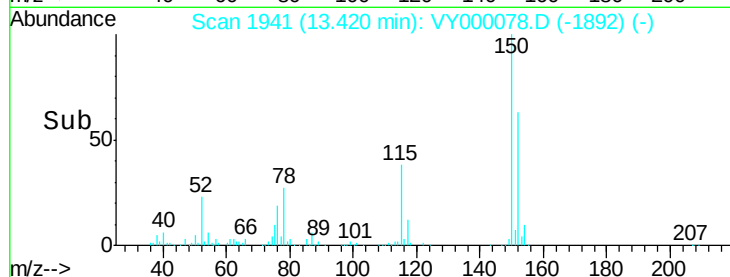
150 162.4 0.0 351.6



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: 49.359 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.16 min

Lab File: VY000078.D

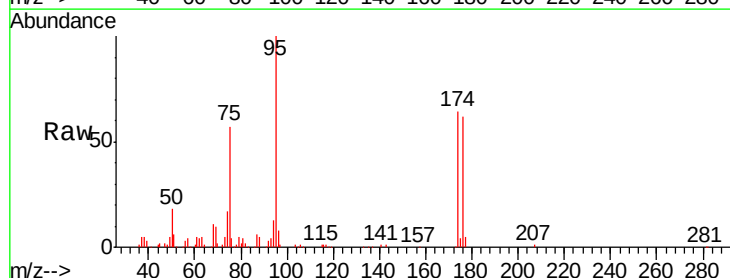
Acq: 19 Sep 2019 15:33

Tgt Ion: 75 Resp: 30700

Ion Ratio Lower Upper

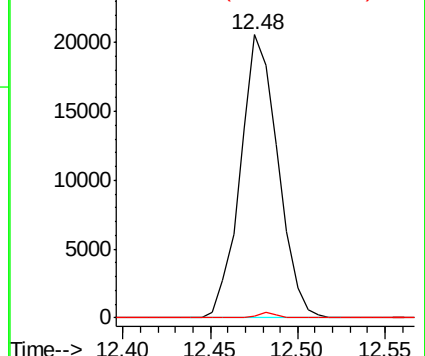
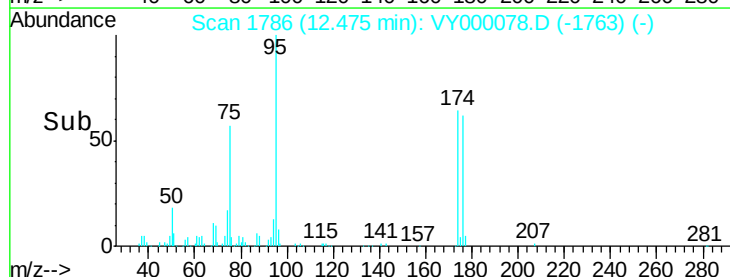
75 100

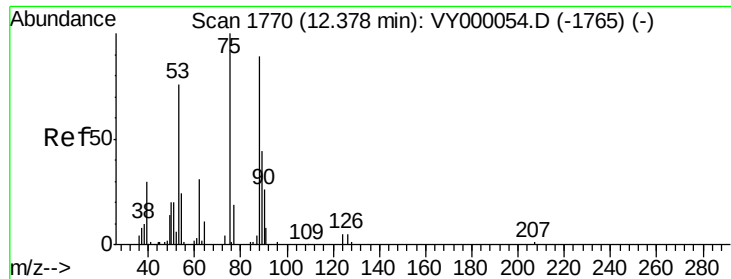
77 1.0 0.0 0.0#



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: 94.930 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. 0.10 min

Lab File: VY000078.D

Acq: 19 Sep 2019 15:33

Instrument :

MSVOA_Y

ClientSampleId :

CSA-2-7-2

Tgt Ion: 75 Resp: 30700

Ion Ratio Lower Upper

75 100

53 0.0 60.9 91.3#

89 0.0 35.3 52.9#

