

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY091919\
 Data File : VY000091.D
 Acq On : 19 Sep 2019 20:35
 Operator : SY/MD
 Sample : K4863-02
 Misc : 4.63g/5.00ml/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CSA-4-5-1

Quant Time: Sep 20 01:58:44 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	90341	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	190393	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	140222	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	37630	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	55876	53.76	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.52%	
35) Dibromofluoromethane	7.72	113	52573	45.61	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	91.22%	
50) Toluene-d8	10.18	98	211199	46.65	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.30%	
62) 4-Bromofluorobenzene	12.48	95	54768	32.58	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	65.16%	

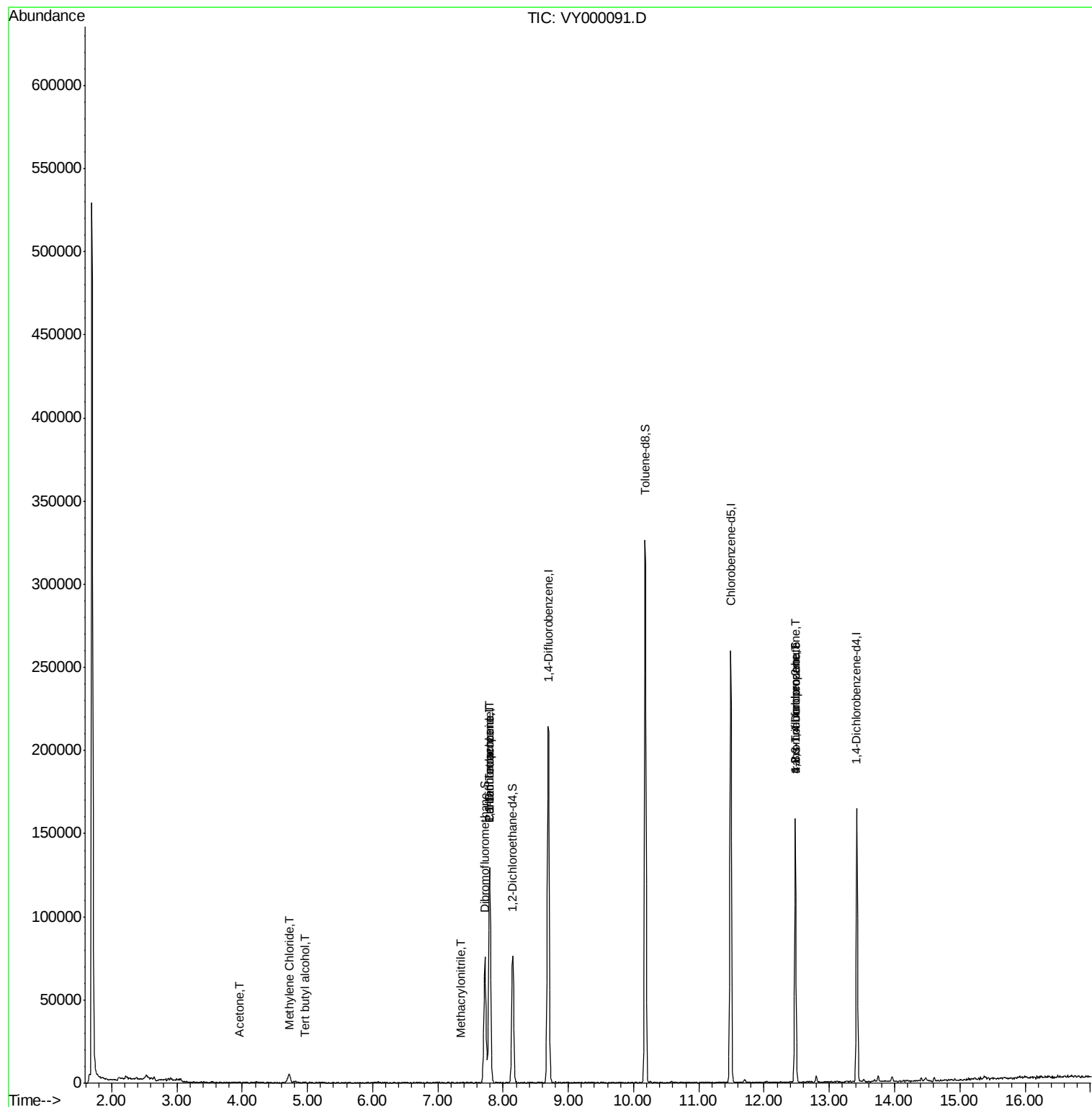
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.10	50	659	Below Cal		92
5) Bromomethane	2.65	94	23	Below Cal	#	6
11) Tert butyl alcohol	4.96	59	234	1.899	ug/l #	73
13) Acrolein	3.71	56	72	Below Cal	#	13
16) Acetone	3.96	43	600	2.479	ug/l #	63
20) Methylene Chloride	4.71	84	3768	3.310	ug/l #	73
31) Cyclohexane	7.79	56	2197	Below Cal	#	1
36) 1,1-Dichloropropene	7.79	75	8765	6.157	ug/l #	44
38) Carbon Tetrachloride	7.79	117	9617	7.158	ug/l #	16
41) Methacrylonitrile	7.35	41	187	4.540	ug/l #	25
76) 1,2,3-Trichloropropane	12.48	75	27756	52.424	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	27756	100.825	ug/l #	19

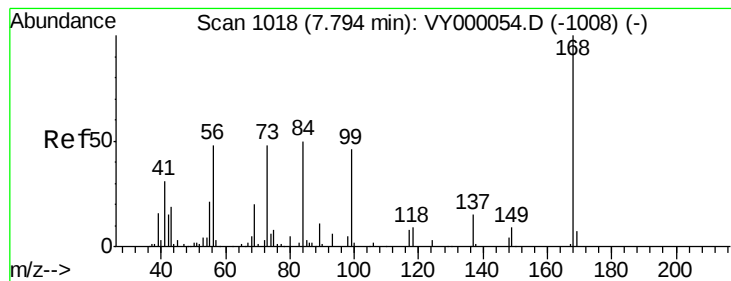
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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: VY000091.D

Acq: 19 Sep 2019 20:35

Instrument :

MSVOA_Y

ClientSampleId :

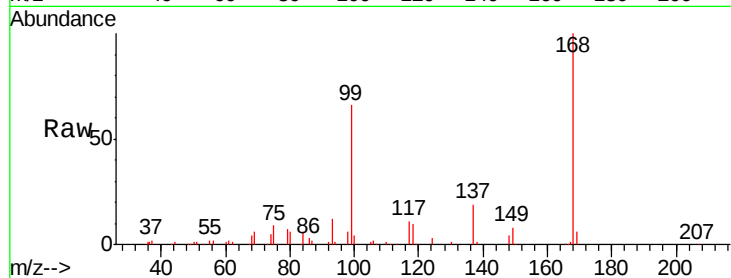
CSA-4-5-1

Tgt Ion:168 Resp: 90341

Ion Ratio Lower Upper

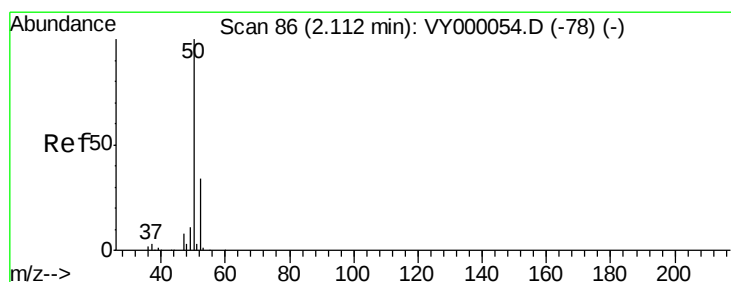
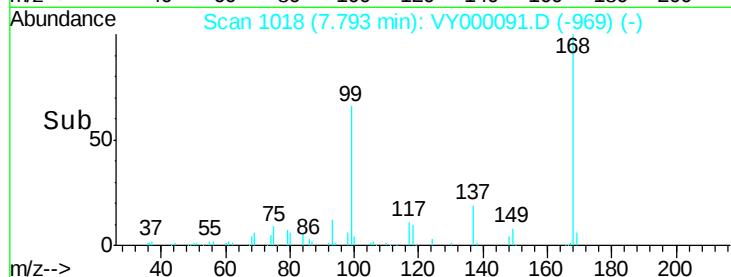
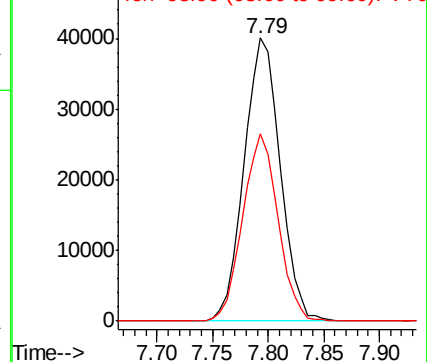
168 100

99 66.3 44.2 66.2#



Abundance Ion 167.90 (167.60 to 168.60): VY000091.D

Ion 98.90 (98.60 to 99.60): VY000091.D



#3

Chloromethane

Concen: Below Cal

RT: 2.10 min Scan# 84

Delta R.T. -0.01 min

Lab File: VY000091.D

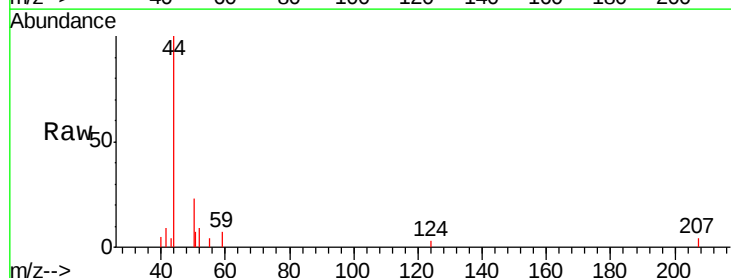
Acq: 19 Sep 2019 20:35

Tgt Ion: 50 Resp: 659

Ion Ratio Lower Upper

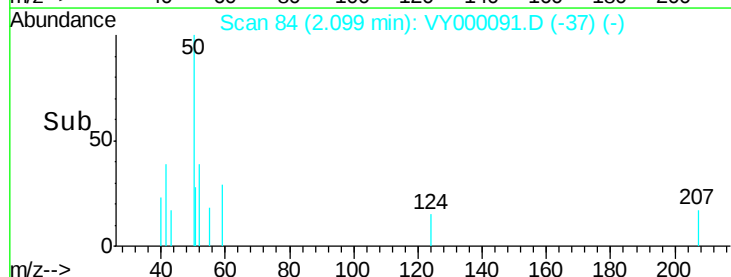
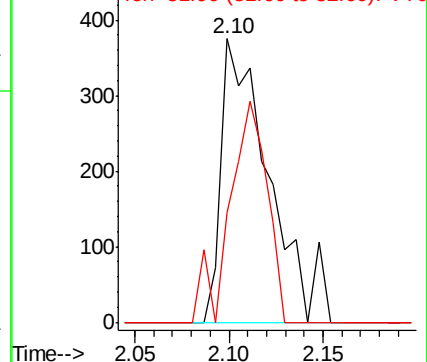
50 100

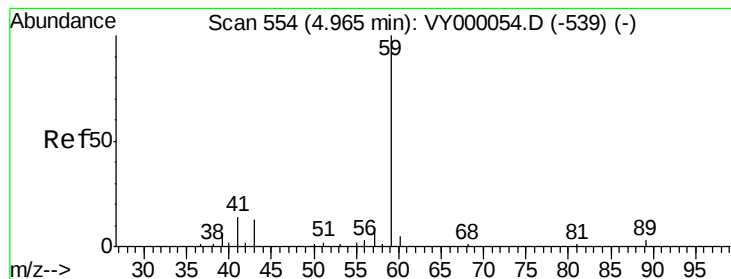
52 38.7 27.3 40.9



Abundance Ion 49.90 (49.60 to 50.60): VY000091.D

Ion 51.90 (51.60 to 52.60): VY000091.D



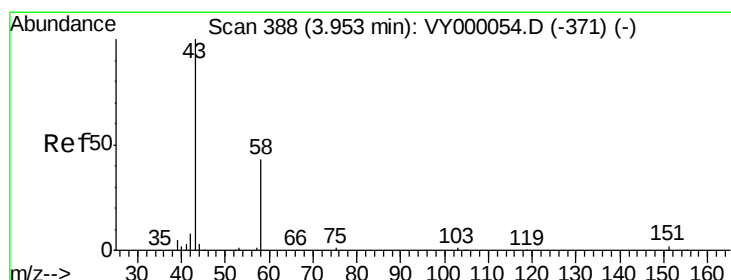
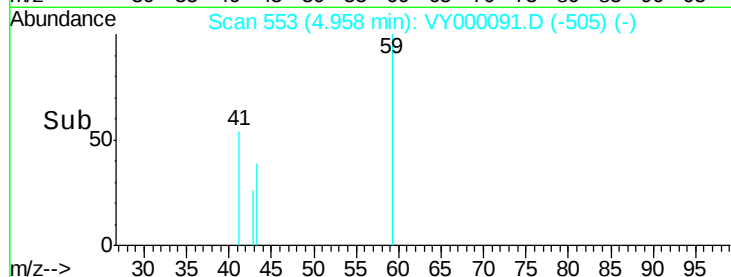
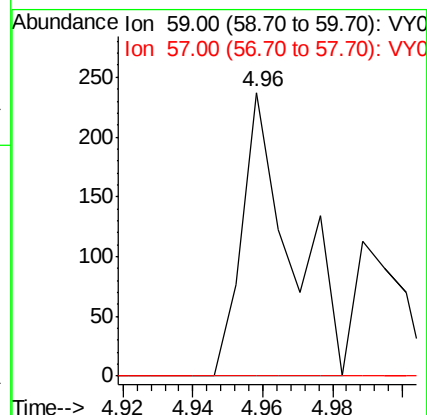
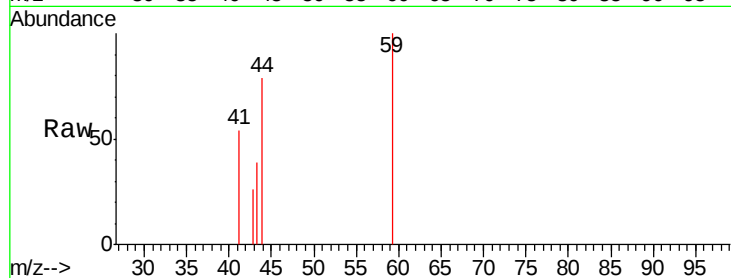


#11

Tert butyl alcohol
 Concen: 1.899 ug/l
 RT: 4.96 min Scan# 553
 Delta R.T. -0.01 min
 Lab File: VY000091.D
 Acq: 19 Sep 2019 20:35

Instrument :
 MSVOA_Y
 ClientSampled :
 CSA-4-5-1

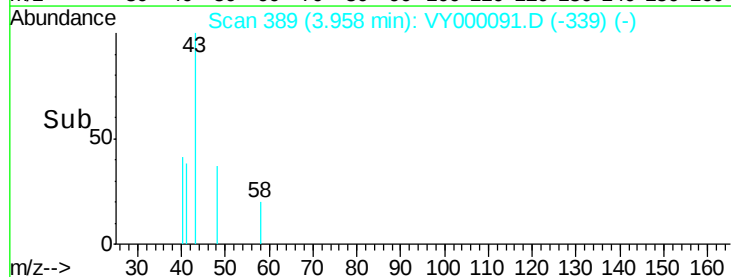
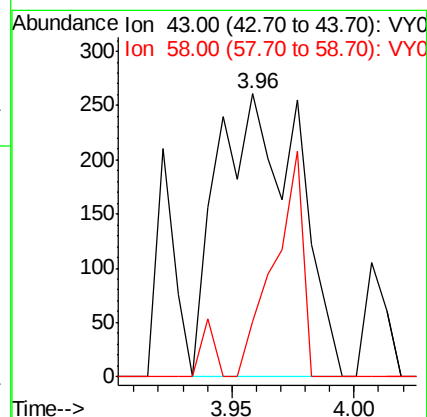
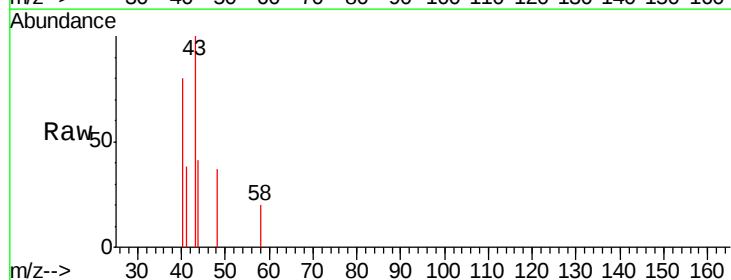
Tgt Ion: 59 Resp: 234
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.0 12.0#

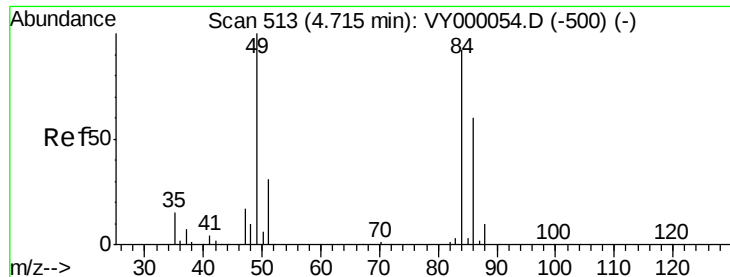


#16

Acetone
 Concen: 2.479 ug/l
 RT: 3.96 min Scan# 389
 Delta R.T. 0.01 min
 Lab File: VY000091.D
 Acq: 19 Sep 2019 20:35

Tgt Ion: 43 Resp: 600
 Ion Ratio Lower Upper
 43 100
 58 19.5 34.5 51.7#

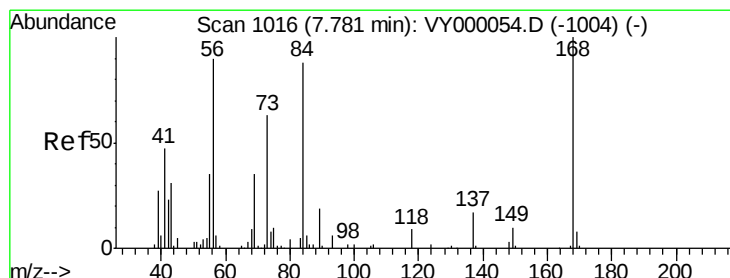
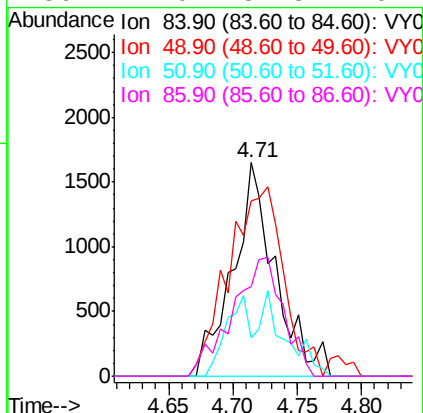
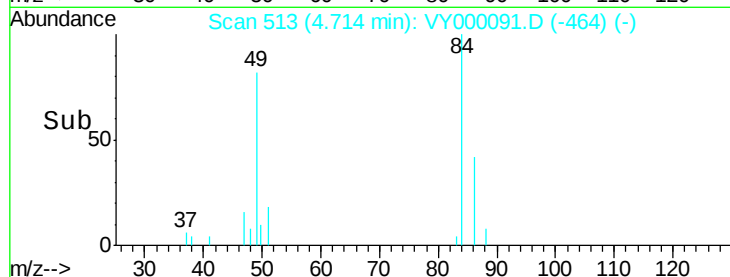
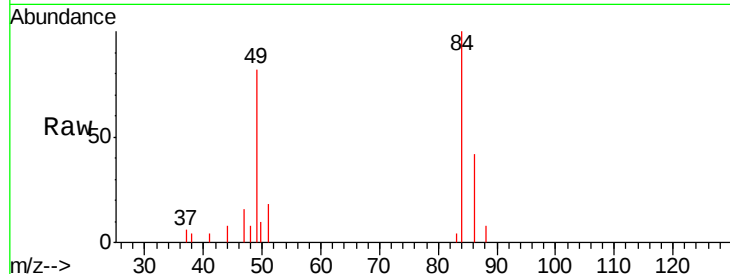




#20
Methylene Chloride
Concen: 3.310 ug/l
RT: 4.71 min Scan# 513
Delta R.T. -0.00 min
Lab File: VY000091.D
Acq: 19 Sep 2019 20:35

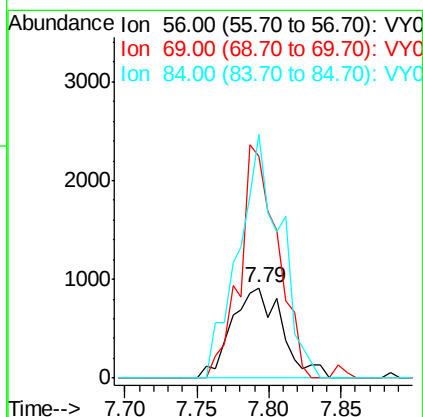
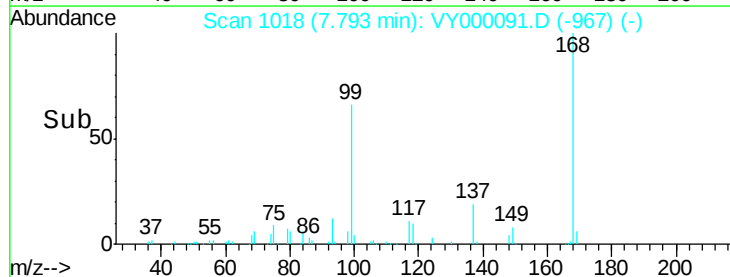
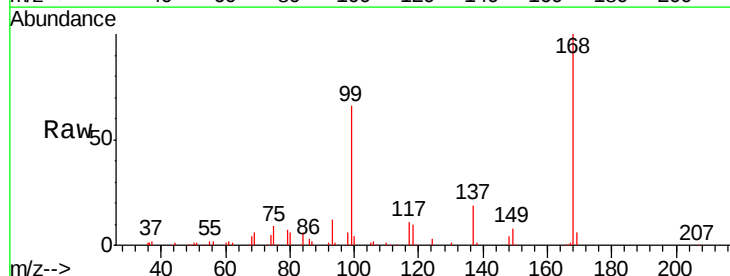
Instrument :
MSVOA_Y
ClientSampled :
CSA-4-5-1

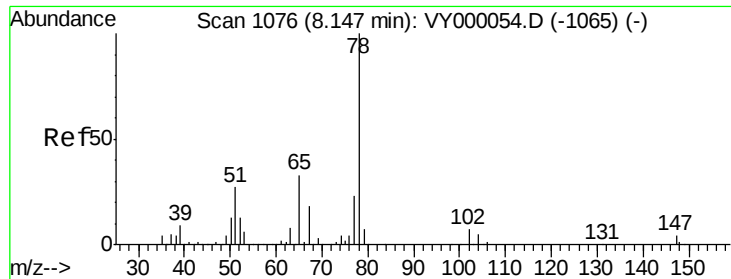
Tgt Ion: 84 Resp: 3768
Ion Ratio Lower Upper
84 100
49 82.3 87.4 131.0#
51 18.1 27.2 40.8#
86 42.0 52.8 79.2#



#31
Cyclohexane
Concen: Below Cal
RT: 7.79 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VY000091.D
Acq: 19 Sep 2019 20:35

Tgt Ion: 56 Resp: 2197
Ion Ratio Lower Upper
56 100
69 245.5 30.9 46.3#
84 270.0 78.5 117.7#

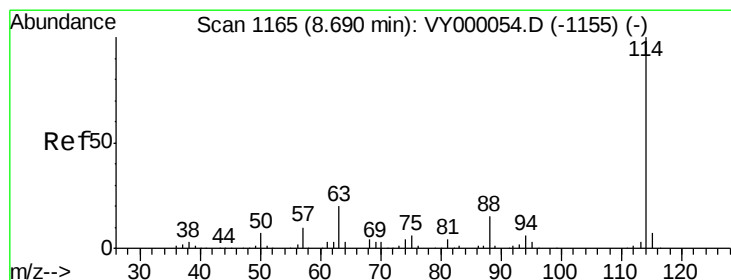
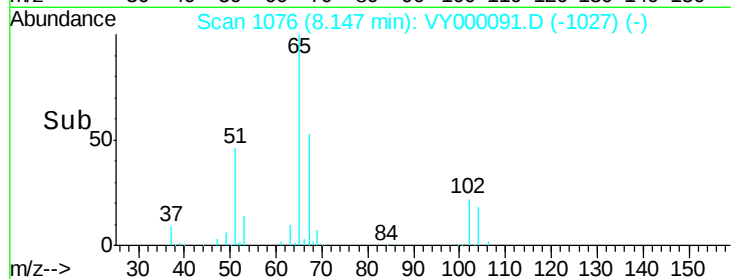
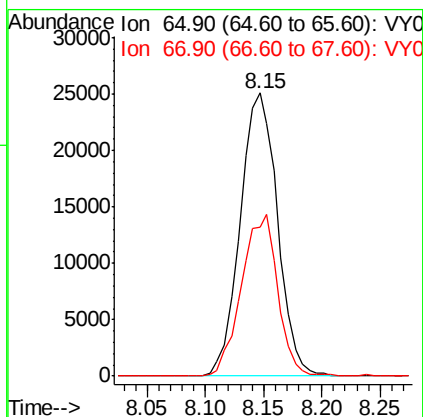
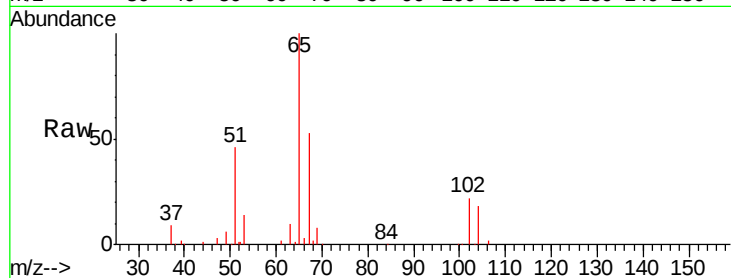




#33
 1,2-Dichloroethane-d4
 Concen: 53.759 ug/l
 RT: 8.15 min Scan# 1076
 Delta R.T. -0.00 min
 Lab File: VY000091.D
 Acq: 19 Sep 2019 20:35

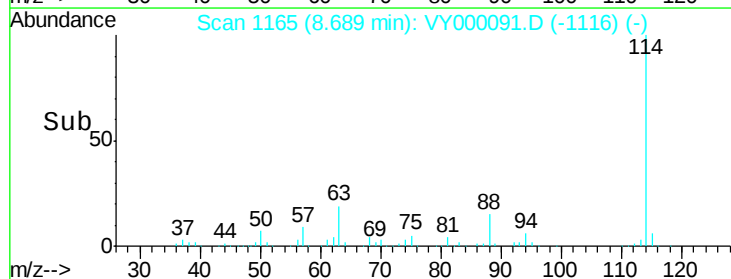
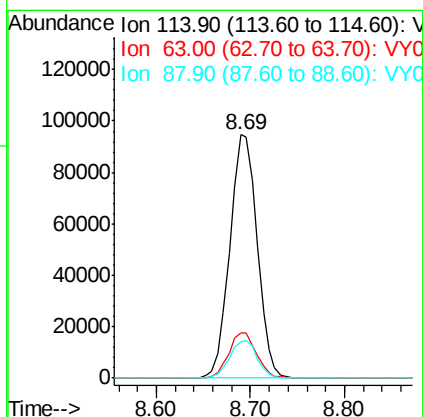
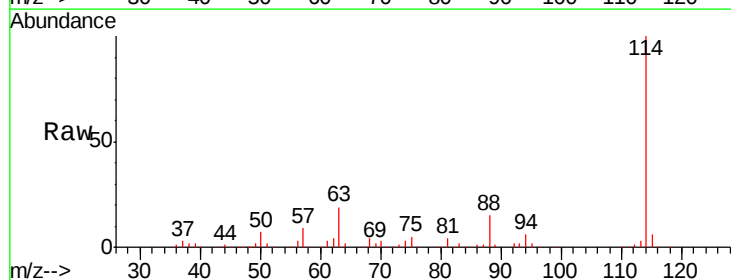
Instrument :
 MSVOA_Y
 ClientSampleId :
 CSA-4-5-1

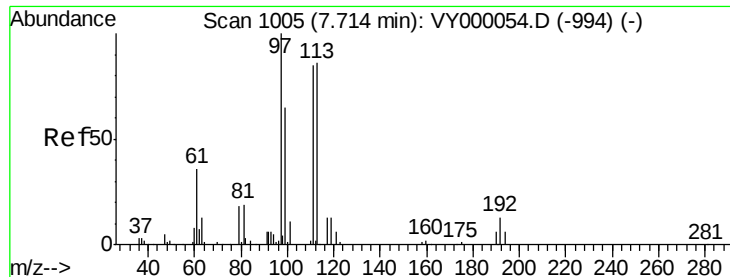
Tgt Ion: 65 Resp: 55876
 Ion Ratio Lower Upper
 65 100
 67 55.5 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1165
 Delta R.T. -0.00 min
 Lab File: VY000091.D
 Acq: 19 Sep 2019 20:35

Tgt Ion: 114 Resp: 190393
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 39.4
 88 14.8 0.0 30.2

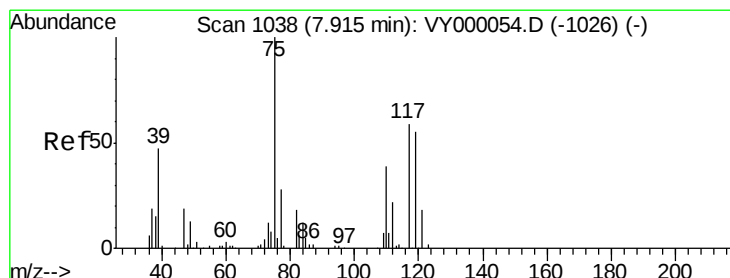
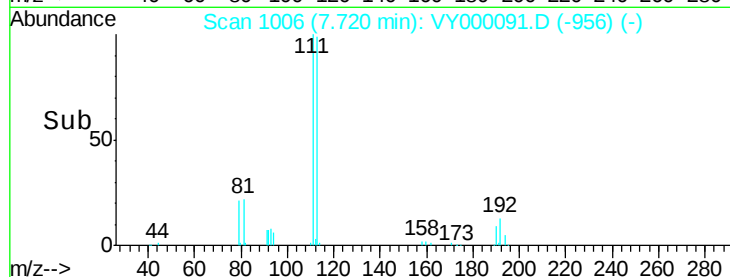
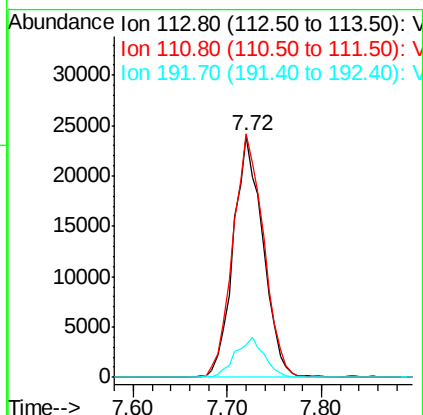
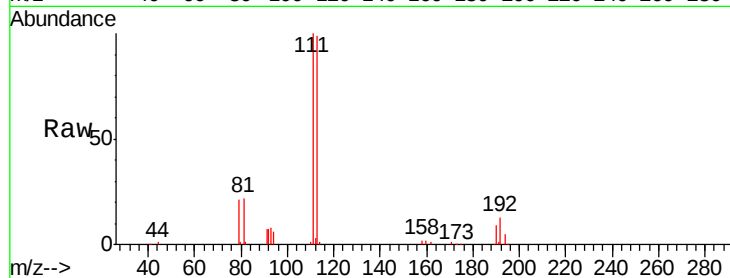




#35
 Dibromofluoromethane
 Concen: 45.605 ug/l
 RT: 7.72 min Scan# 1006
 Delta R.T. 0.01 min
 Lab File: VY000091.D
 Acq: 19 Sep 2019 20:35

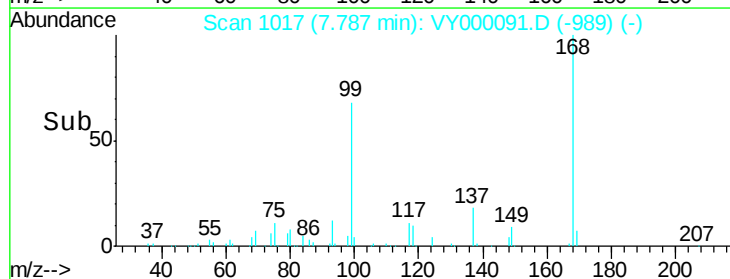
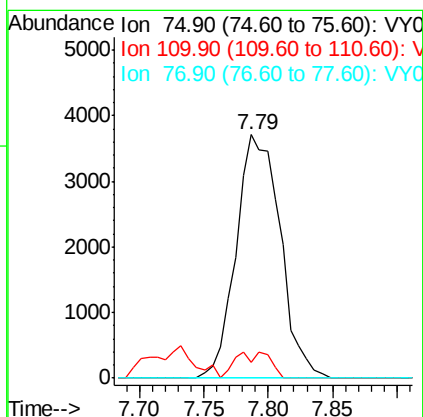
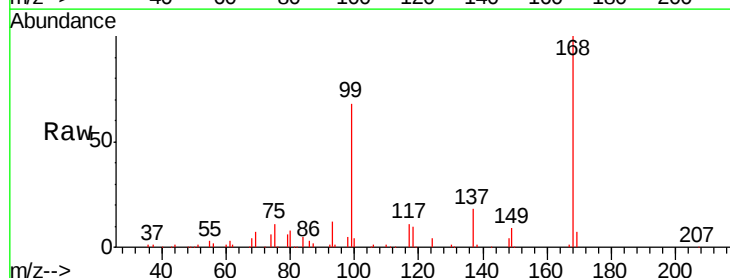
Instrument :
 MSVOA_Y
 ClientSampled :
 CSA-4-5-1

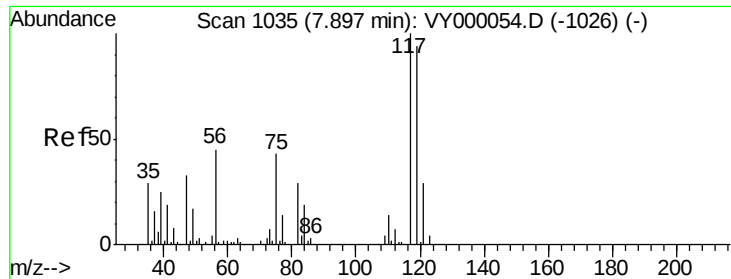
Tgt Ion: 113 Resp: 52573
 Ion Ratio Lower Upper
 113 100
 111 104.9 81.7 122.5
 192 16.3 13.4 20.2



#36
 1,1-Dichloropropene
 Concen: 6.157 ug/l
 RT: 7.79 min Scan# 1017
 Delta R.T. -0.13 min
 Lab File: VY000091.D
 Acq: 19 Sep 2019 20:35

Tgt Ion: 75 Resp: 8765
 Ion Ratio Lower Upper
 75 100
 110 4.5 19.6 58.7#
 77 0.0 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 7.158 ug/l

RT: 7.79 min Scan# 1018

Delta R.T. -0.10 min

Lab File: VY000091.D

Acq: 19 Sep 2019 20:35

Instrument :

MSVOA_Y

ClientSampleId :

CSA-4-5-1

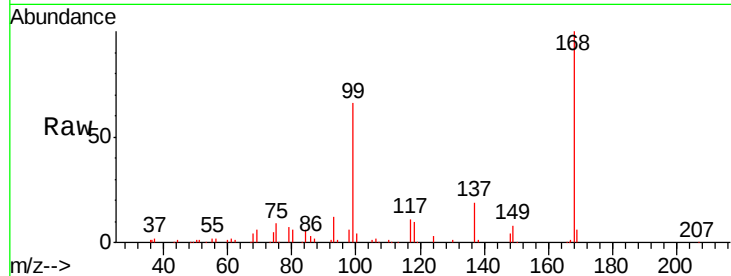
Tgt Ion: 117 Resp: 9617

Ion Ratio Lower Upper

117 100

119 3.4 75.0 112.6#

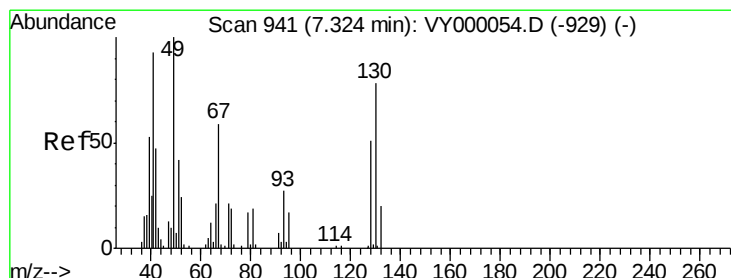
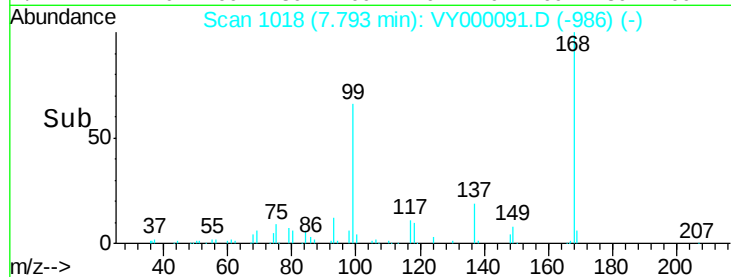
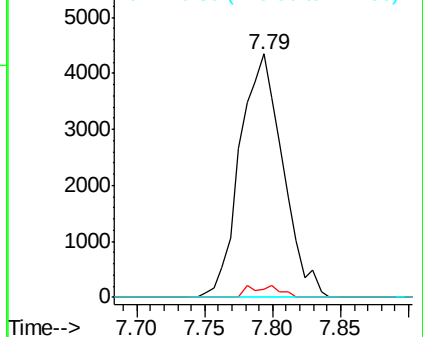
121 0.0 22.8 34.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#41

Methacrylonitrile

Concen: 4.540 ug/l

RT: 7.35 min Scan# 945

Delta R.T. 0.02 min

Lab File: VY000091.D

Acq: 19 Sep 2019 20:35

Tgt Ion: 41 Resp: 187

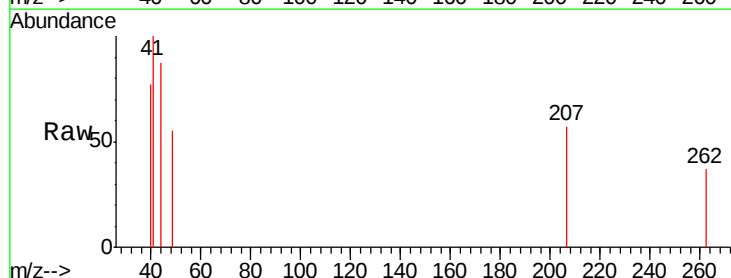
Ion Ratio Lower Upper

41 100

39 33.7 91.8 137.6#

67 0.0 0.0 0.0

52 0.0 0.0 0.0

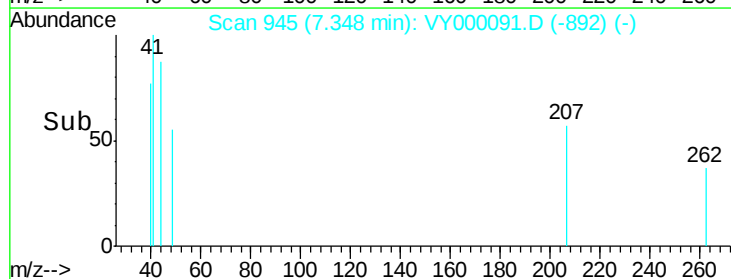
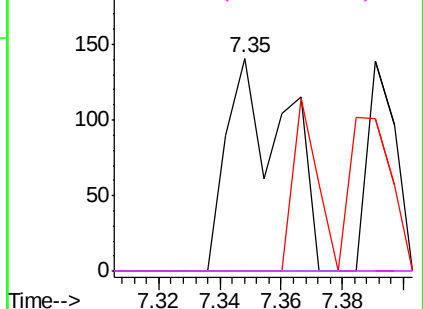


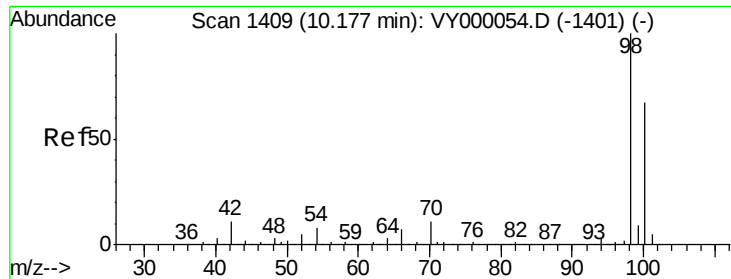
Abundance Ion 41.00 (40.70 to 41.70): VY0

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

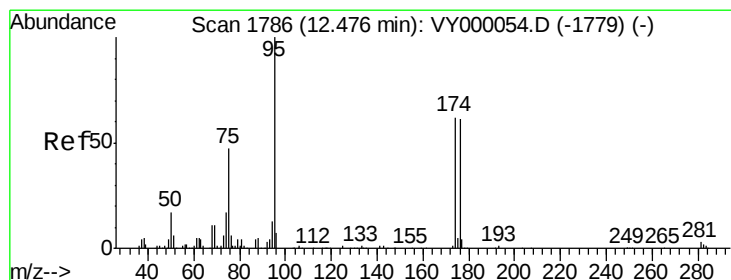
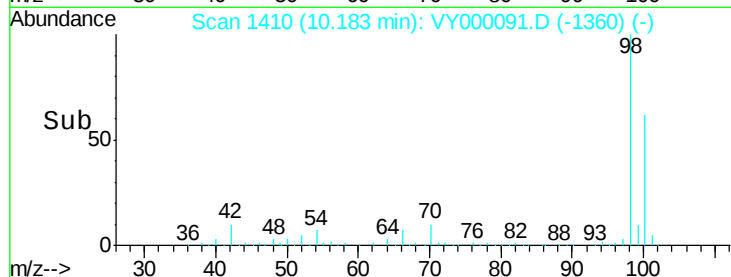
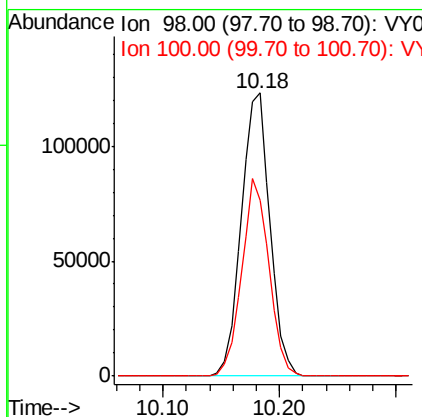
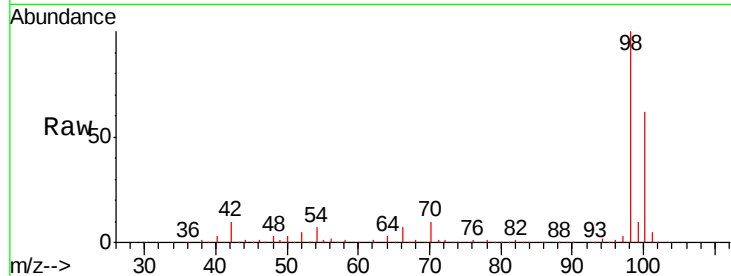




#50
Toluene-d8
Concen: 46.645 ug/l
RT: 10.18 min Scan# 1410
Delta R.T. 0.01 min
Lab File: VY000091.D
Acq: 19 Sep 2019 20:35

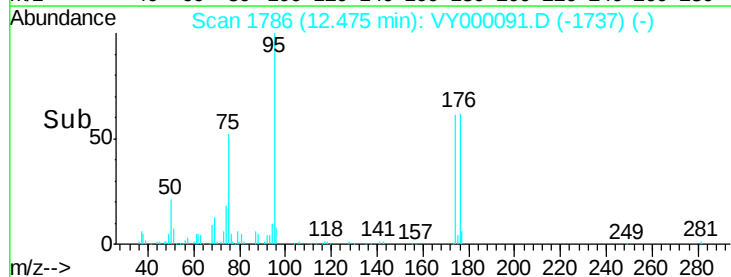
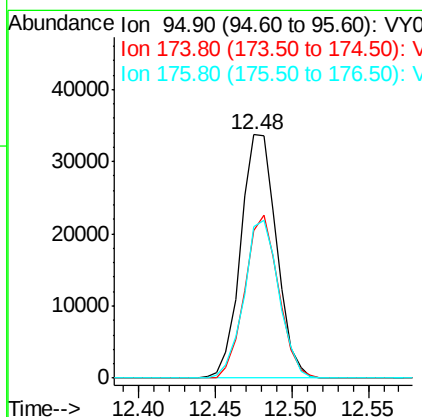
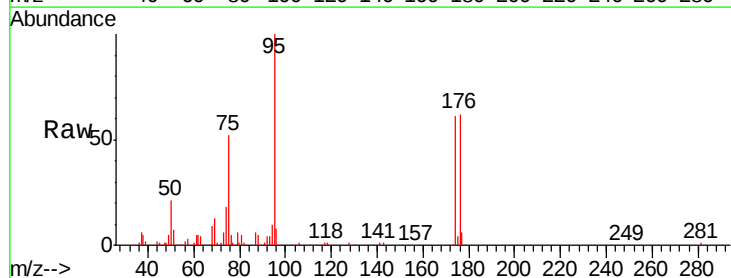
Instrument :
MSVOA_Y
ClientSampleId :
CSA-4-5-1

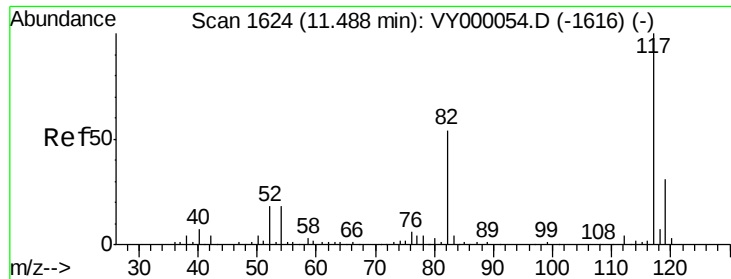
Tgt Ion: 98 Resp: 211199
Ion Ratio Lower Upper
98 100
100 66.2 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 32.580 ug/l
RT: 12.48 min Scan# 1786
Delta R.T. -0.00 min
Lab File: VY000091.D
Acq: 19 Sep 2019 20:35

Tgt Ion: 95 Resp: 54768
Ion Ratio Lower Upper
95 100
174 63.1 0.0 137.2
176 63.0 0.0 135.0

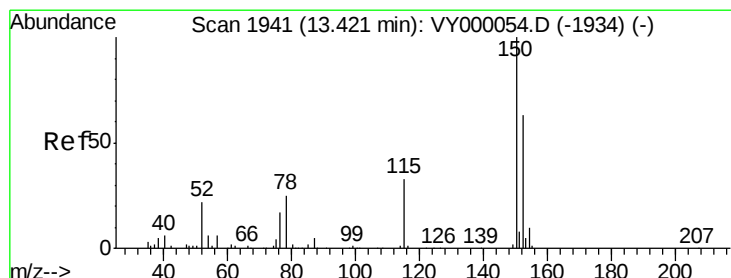
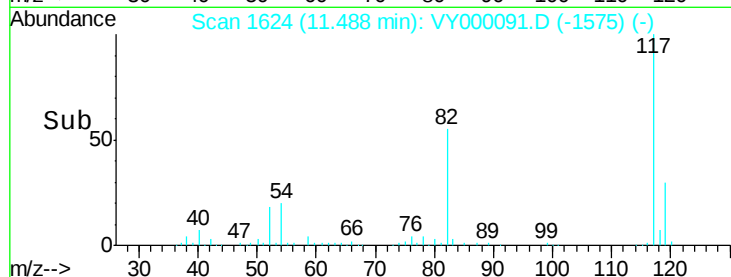
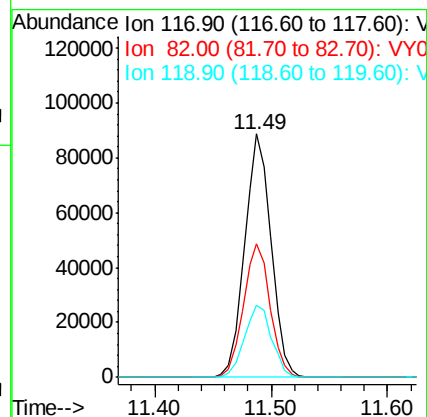
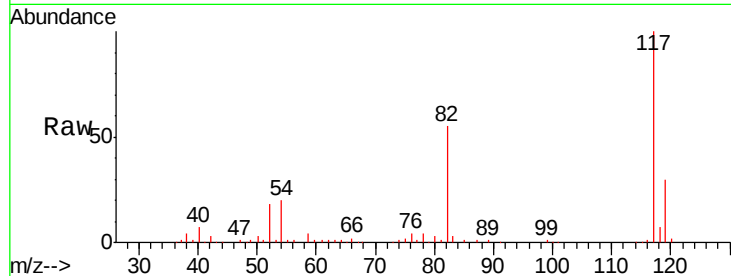




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1624
Delta R.T. -0.00 min
Lab File: VY000091.D
Acq: 19 Sep 2019 20:35

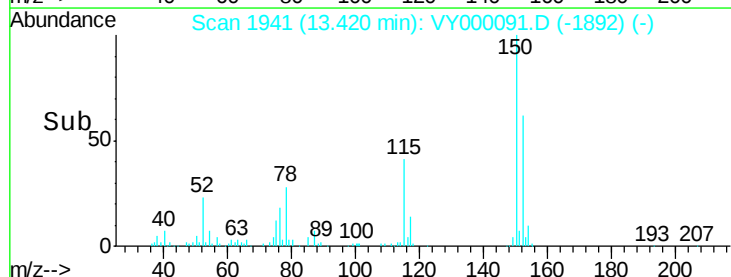
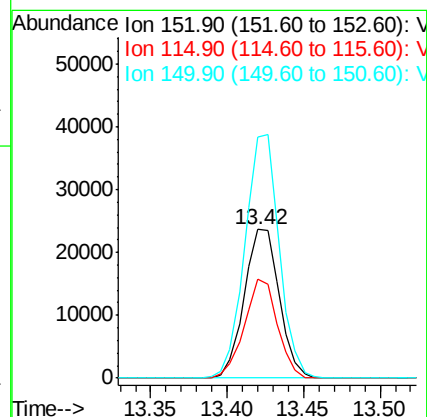
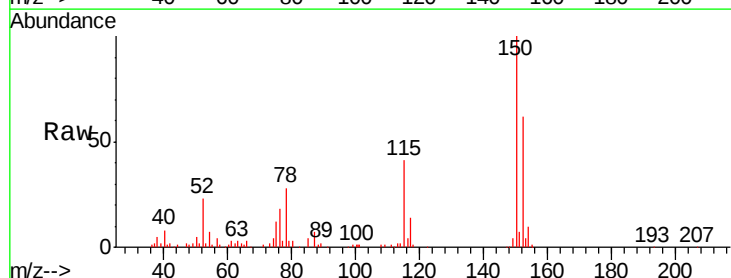
Instrument :
MSVOA_Y
ClientSampleId :
CSA-4-5-1

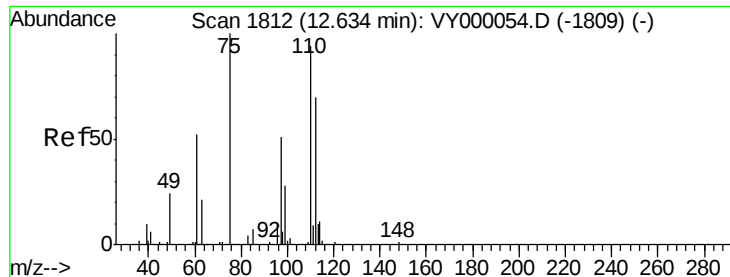
Tgt Ion:117 Resp: 140222
Ion Ratio Lower Upper
117 100
82 55.0 43.5 65.3
119 29.5 24.6 36.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1941
Delta R.T. -0.00 min
Lab File: VY000091.D
Acq: 19 Sep 2019 20:35

Tgt Ion:152 Resp: 37630
Ion Ratio Lower Upper
152 100
115 62.7 30.7 92.1
150 159.8 0.0 351.6





#76

1,2,3-Trichloropropane

Concen: 52.424 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.16 min

Lab File: VY000091.D

Acq: 19 Sep 2019 20:35

Instrument :

MSVOA_Y

ClientSampleId :

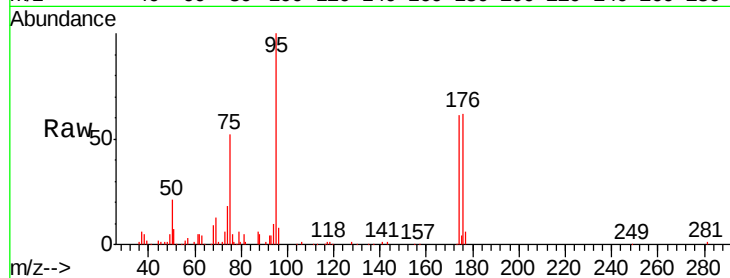
CSA-4-5-1

Tgt Ion: 75 Resp: 27756

Ion Ratio Lower Upper

75 100

77 1.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0

12.48

20000

15000

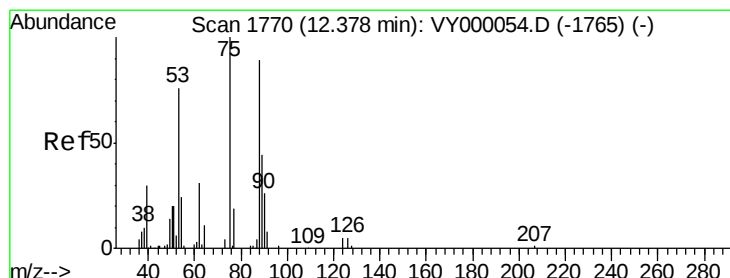
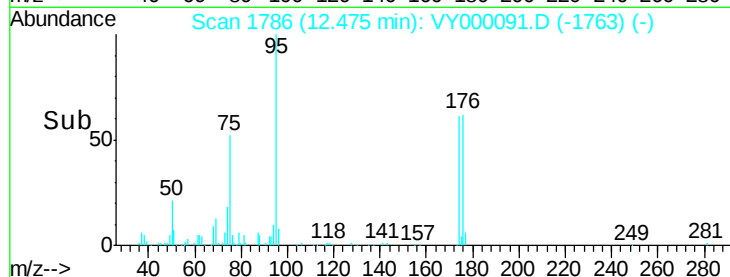
10000

5000

0

Time-->

12.40 12.45 12.50 12.55



#81

trans-1,4-Dichloro-2-butene

Concen: 100.825 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. 0.10 min

Lab File: VY000091.D

Acq: 19 Sep 2019 20:35

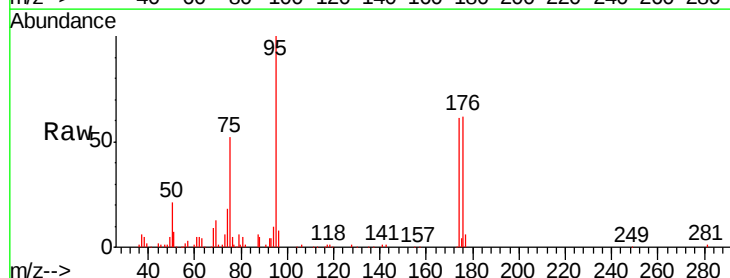
Tgt Ion: 75 Resp: 27756

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

12.48

20000

15000

10000

5000

0

Time-->

12.40 12.45 12.50 12.55

