

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY091919\
 Data File : VY000087.D
 Acq On : 19 Sep 2019 19:02
 Operator : SY/MD
 Sample : K4878-28
 Misc : 4.69g/5.00ml/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CSA2-1-4

Quant Time: Sep 20 01:57:53 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

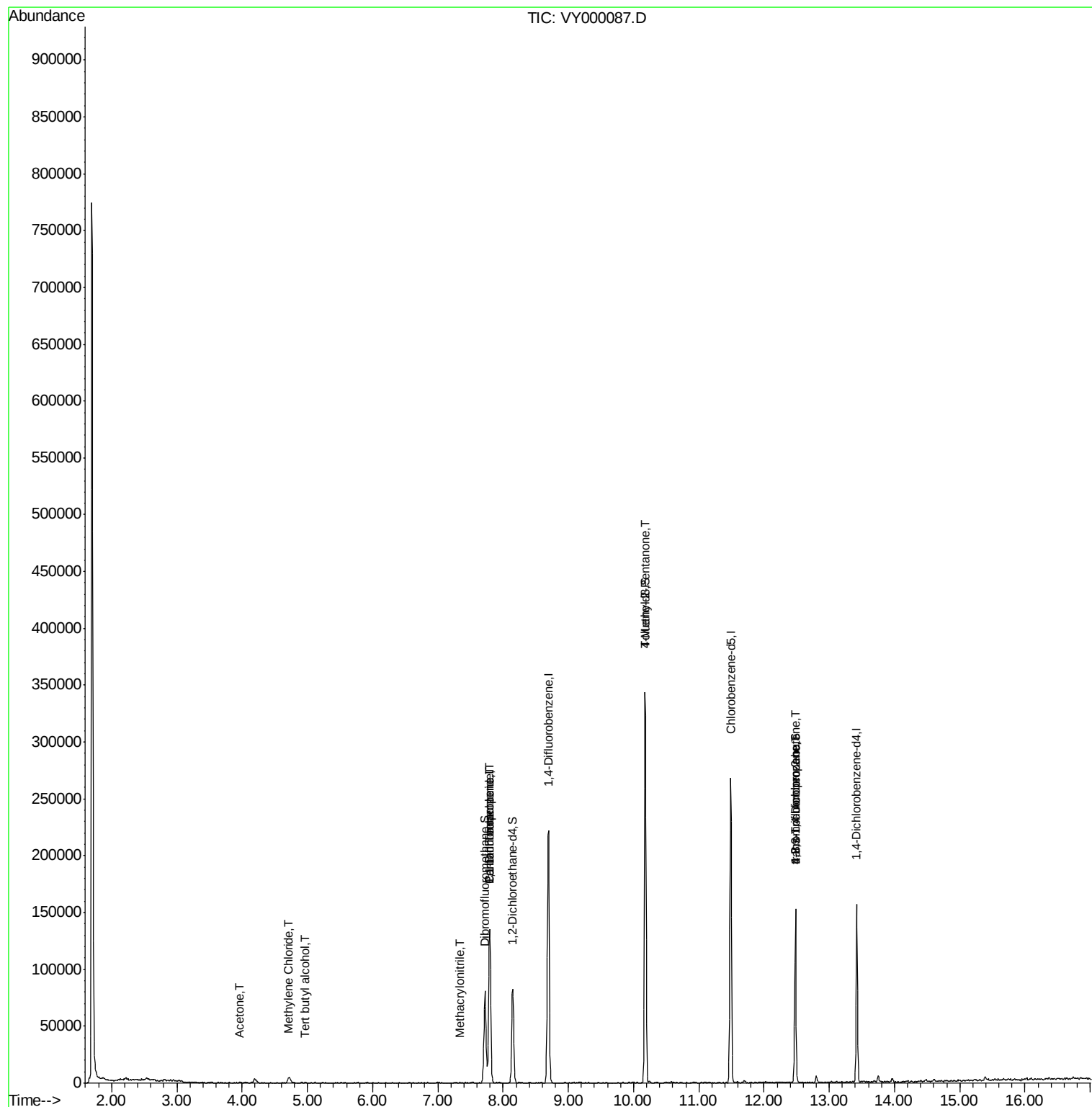
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	96104	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	192038	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	140271	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	34865	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	57946	52.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.82%	
35) Dibromofluoromethane	7.72	113	56349	48.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.92%	
50) Toluene-d8	10.18	98	222534	48.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.46%	
62) 4-Bromofluorobenzene	12.48	95	50831	29.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	59.96%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.97	85	27	Below Cal	#	42
3) Chloromethane	2.11	50	814	Below Cal	#	13
5) Bromomethane	2.65	94	30	Below Cal	#	6
11) Tert butyl alcohol	4.97	59	297	2.266	ug/l #	73
13) Acrolein	3.76	56	43	Below Cal	#	72
16) Acetone	3.96	43	637	2.474	ug/l #	62
20) Methylene Chloride	4.71	84	4104	3.389	ug/l #	69
31) Cyclohexane	7.80	56	2549	Below Cal	#	41
36) 1,1-Dichloropropene	7.79	75	9007	6.273	ug/l #	48
38) Carbon Tetrachloride	7.79	117	10394	7.670	ug/l #	14
41) Methacrylonitrile	7.34	41	70	4.394	ug/l #	59
51) 4-Methyl-2-Pentanone	10.18	43	1026	1.004	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	25759	52.511	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	25759	100.991	ug/l #	19

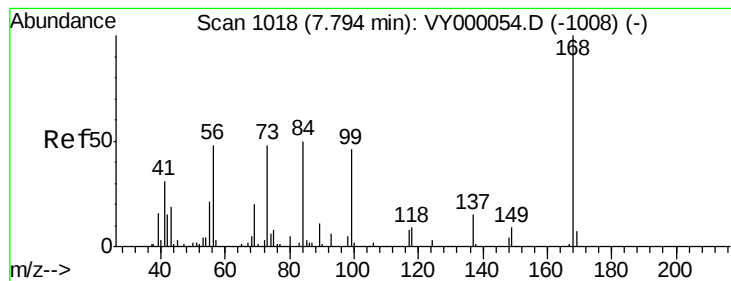
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY000087.D

Acq: 19 Sep 2019 19:02

Instrument :

MSVOA_Y

ClientSampleId :

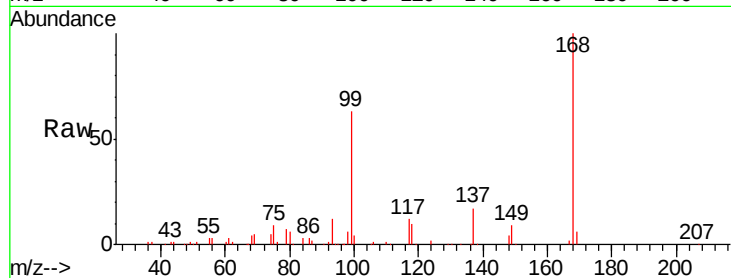
CSA2-1-4

Tgt Ion:168 Resp: 96104

Ion Ratio Lower Upper

168 100

99 63.2 44.2 66.2



Abundance Ion 167.90 (167.60 to 168.60): VY000054.D (-1008) (-)

Ion 98.90 (98.60 to 99.60): VY000087.D (-969) (-)

7.79

40000

30000

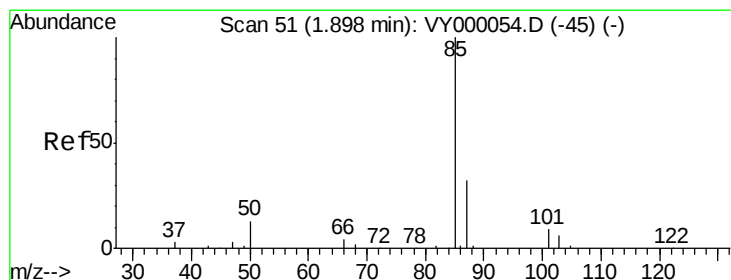
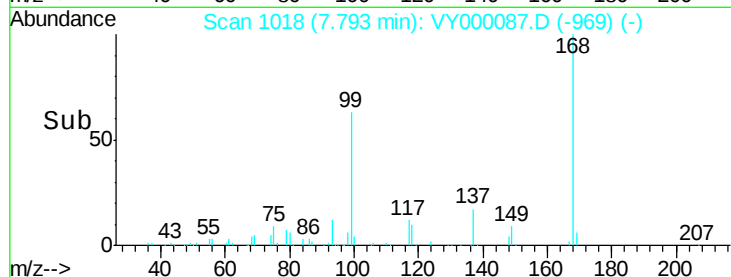
20000

10000

0

7.70 7.75 7.80 7.85 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.97 min Scan# 62

Delta R.T. 0.07 min

Lab File: VY000087.D

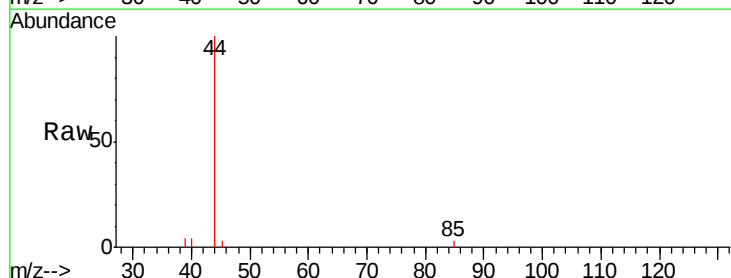
Acq: 19 Sep 2019 19:02

Tgt Ion: 85 Resp: 27

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): VY000087.D (-2) (-)

1.97

80

60

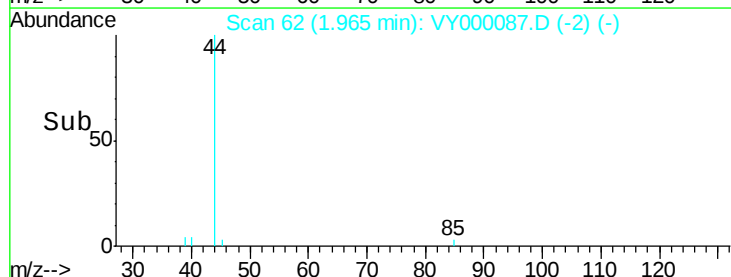
40

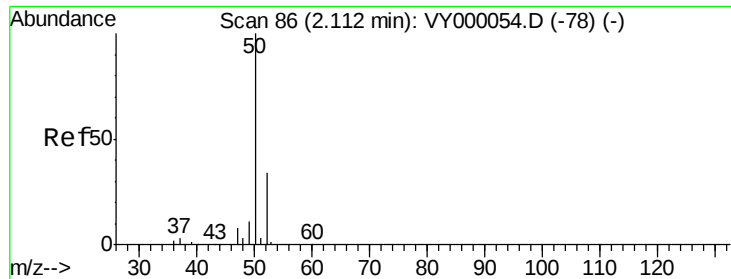
20

0

1.95 1.96 1.97 1.98

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 2.11 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY000087.D

Acq: 19 Sep 2019 19:02

Instrument :

MSVOA_Y

ClientSampled :

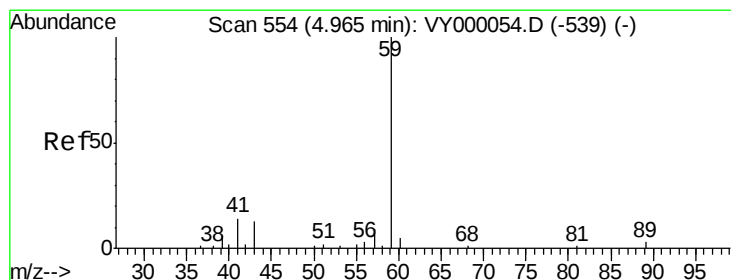
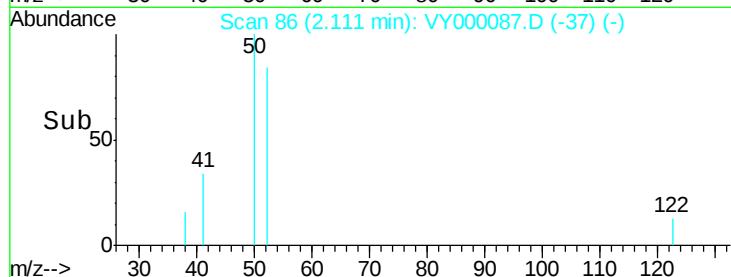
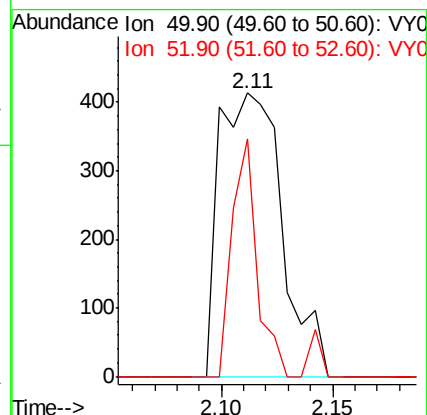
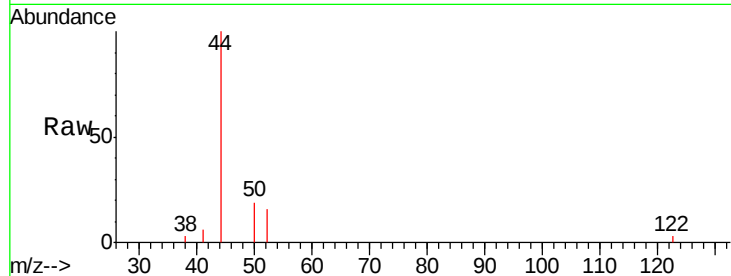
CSA2-1-4

Tgt Ion: 50 Resp: 814

Ion Ratio Lower Upper

50 100

52 83.8 27.3 40.9#



#11

Tert butyl alcohol

Concen: 2.266 ug/l

RT: 4.97 min Scan# 555

Delta R.T. 0.01 min

Lab File: VY000087.D

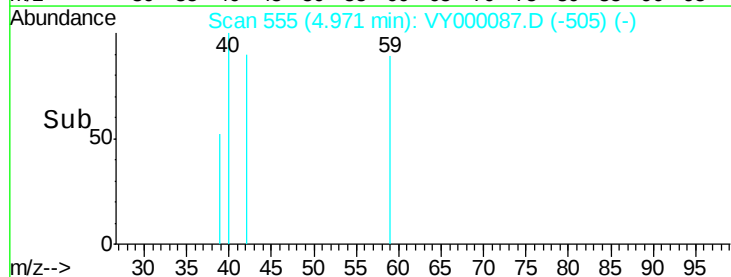
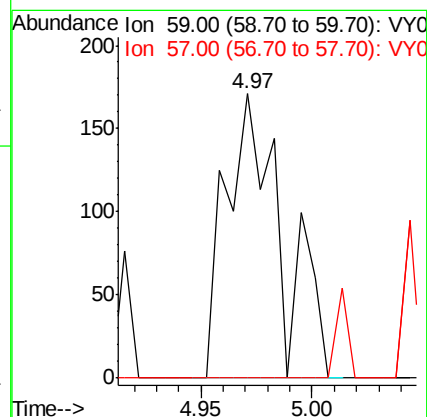
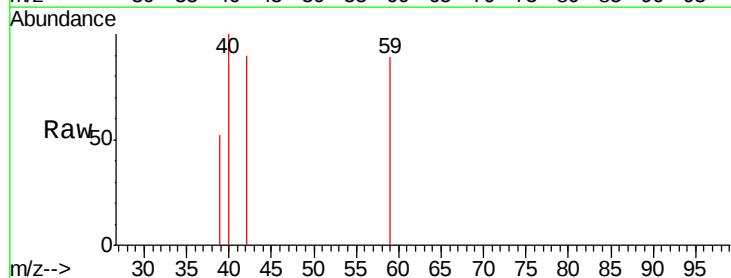
Acq: 19 Sep 2019 19:02

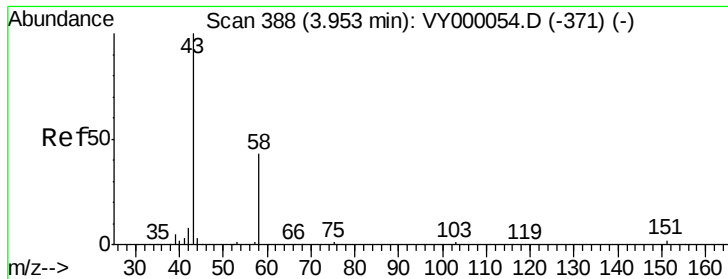
Tgt Ion: 59 Resp: 297

Ion Ratio Lower Upper

59 100

57 0.0 8.0 12.0#





#16

Acetone

Concen: 2.474 ug/l

RT: 3.96 min Scan# 390

Delta R.T. 0.01 min

Lab File: VY000087.D

Acq: 19 Sep 2019 19:02

Instrument :

MSVOA_Y

ClientSampleId :

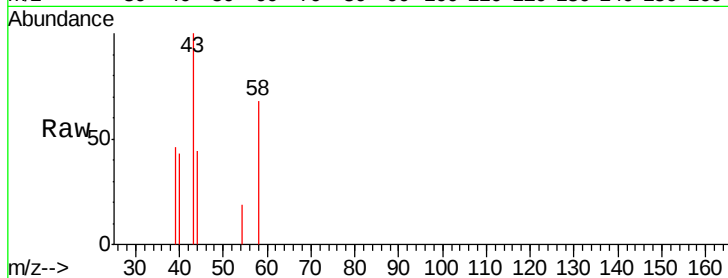
CSA2-1-4

Tgt Ion: 43 Resp: 637

Ion Ratio Lower Upper

43 100

58 67.5 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

250

200

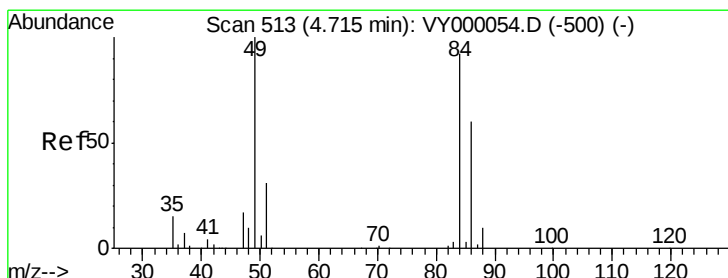
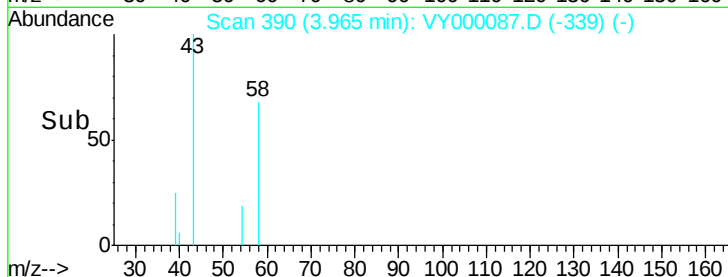
150

100

50

0

Time--> 3.90 3.95 4.00



#20

Methylene Chloride

Concen: 3.389 ug/l

RT: 4.71 min Scan# 513

Delta R.T. -0.00 min

Lab File: VY000087.D

Acq: 19 Sep 2019 19:02

Tgt Ion: 84 Resp: 4104

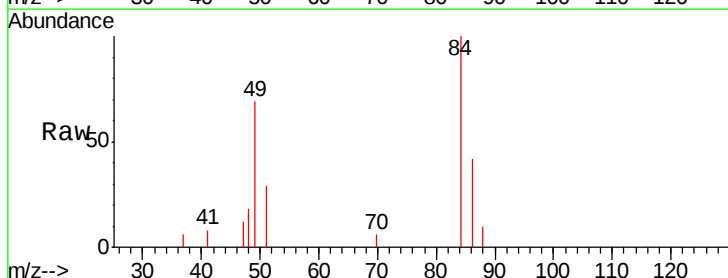
Ion Ratio Lower Upper

84 100

49 69.1 87.4 131.0#

51 29.2 27.2 40.8

86 42.5 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

2500

2000

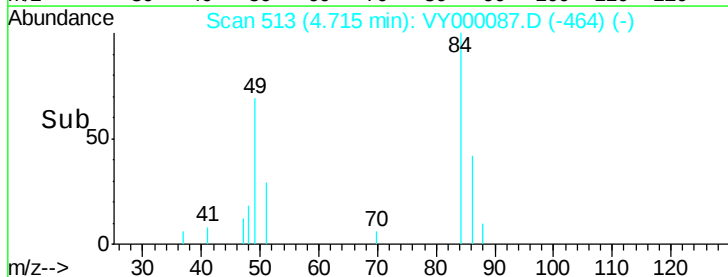
1500

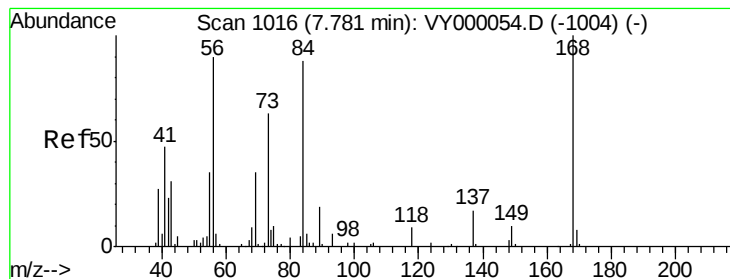
1000

500

0

Time--> 4.65 4.70 4.75 4.80





#31

Cyclohexane

Concen: Below Cal

RT: 7.80 min Scan# 1019

Delta R.T. 0.02 min

Lab File: VY000087.D

Acq: 19 Sep 2019 19:02

Instrument :

MSVOA_Y

ClientSampled :

CSA2-1-4

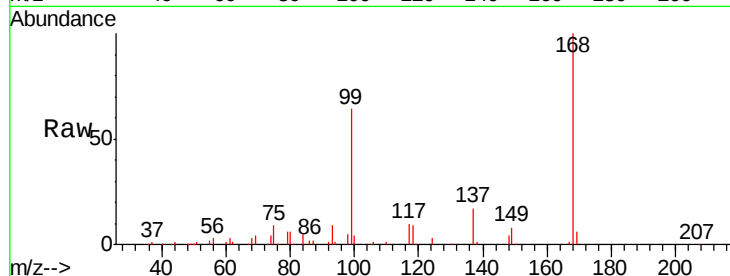
Tgt Ion: 56 Resp: 2549

Ion Ratio Lower Upper

56 100

69 106.9 30.9 46.3#

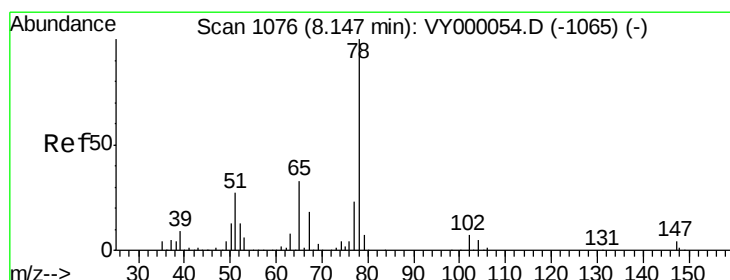
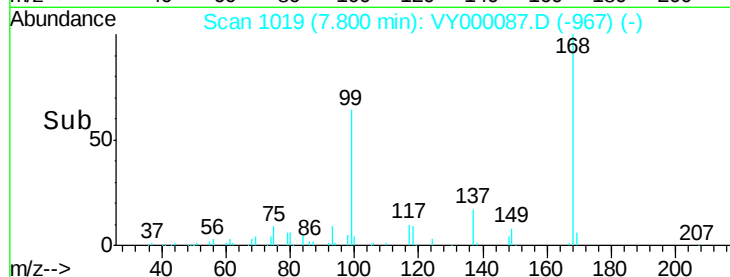
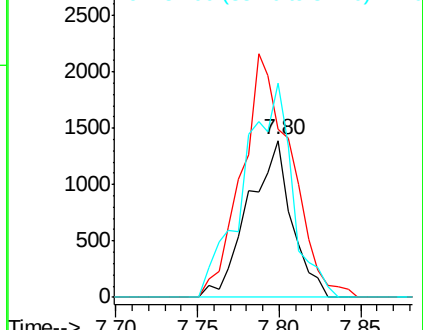
84 136.0 78.5 117.7#



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: 52.407 ug/l

RT: 8.15 min Scan# 1076

Delta R.T. -0.00 min

Lab File: VY000087.D

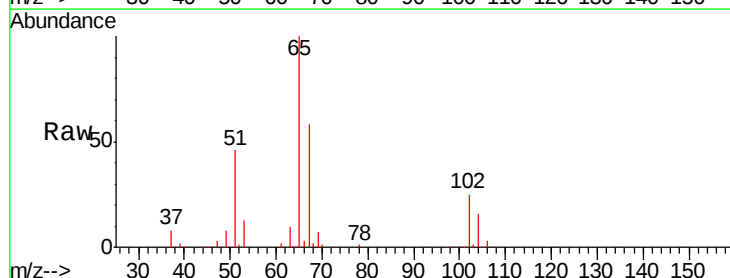
Acq: 19 Sep 2019 19:02

Tgt Ion: 65 Resp: 57946

Ion Ratio Lower Upper

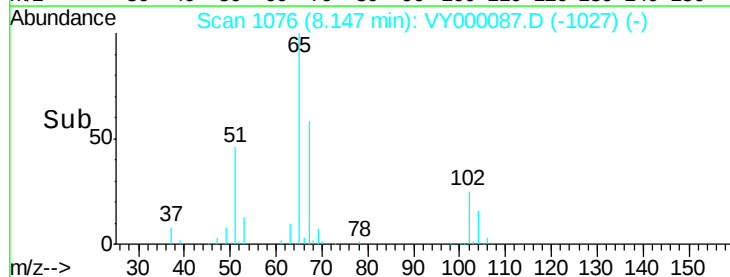
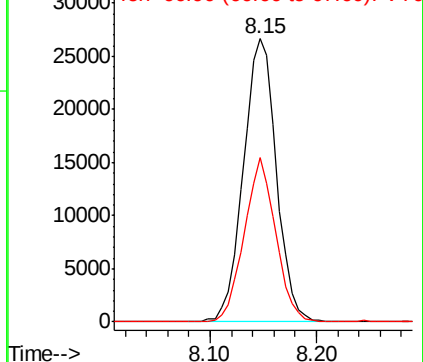
65 100

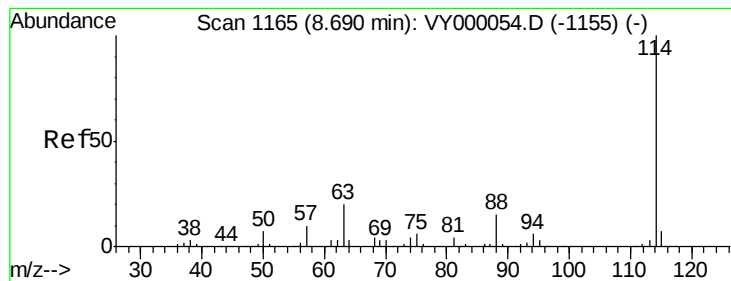
67 55.4 0.0 111.0



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: VY000087.D

Acq: 19 Sep 2019 19:02

Instrument :

MSVOA_Y

ClientSampleId :

CSA2-1-4

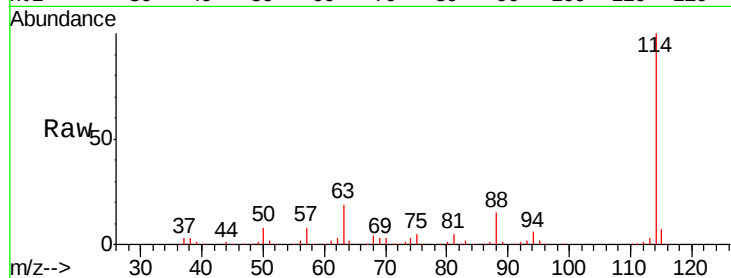
Tgt Ion:114 Resp: 192038

Ion Ratio Lower Upper

114 100

63 18.6 0.0 39.4

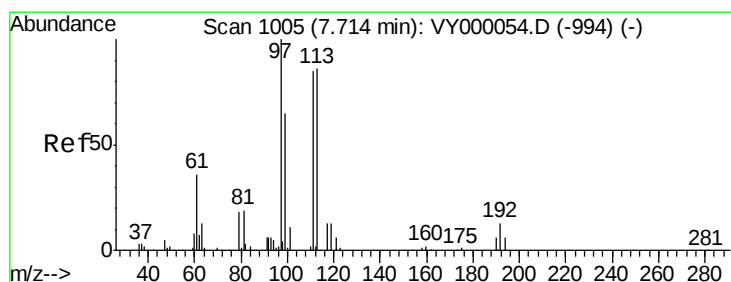
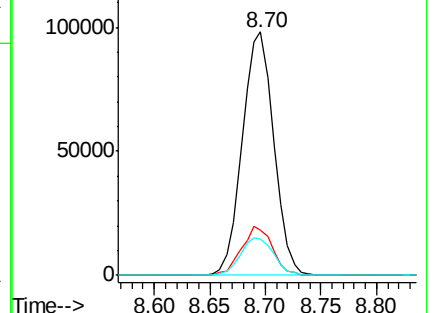
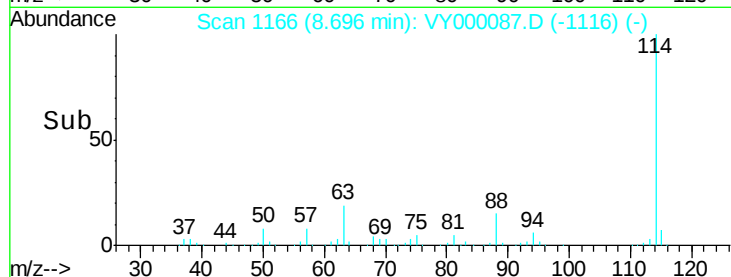
88 15.1 0.0 30.2



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: 48.462 ug/l

RT: 7.72 min Scan# 1006

Delta R.T. 0.01 min

Lab File: VY000087.D

Acq: 19 Sep 2019 19:02

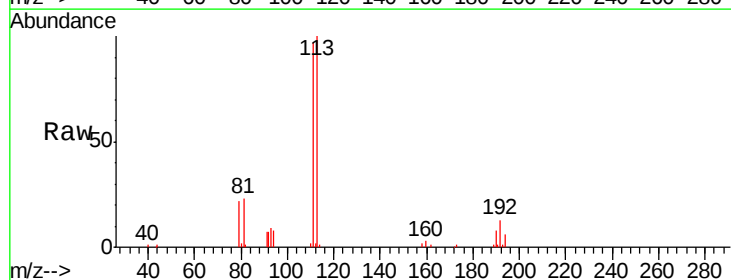
Tgt Ion:113 Resp: 56349

Ion Ratio Lower Upper

113 100

111 104.4 81.7 122.5

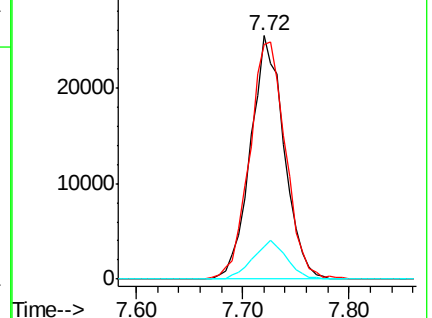
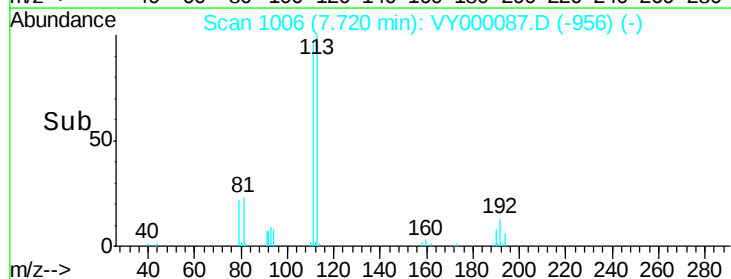
192 16.0 13.4 20.2

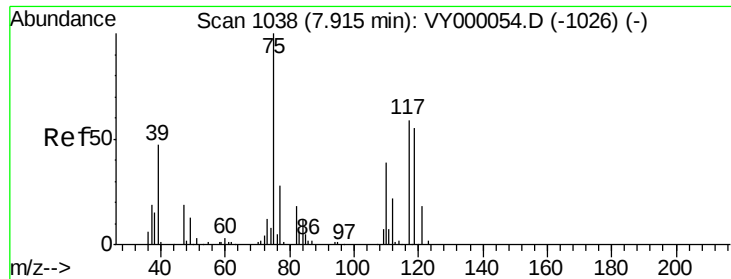


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

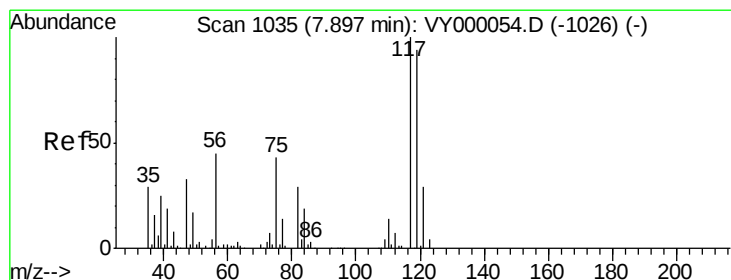
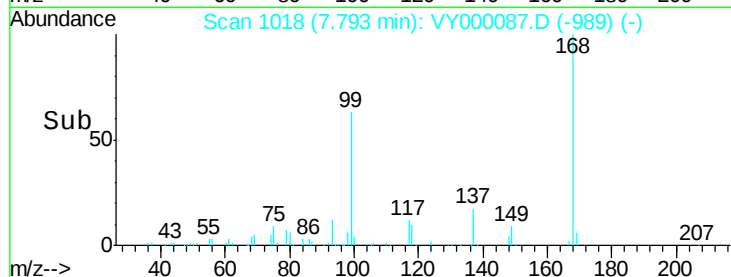
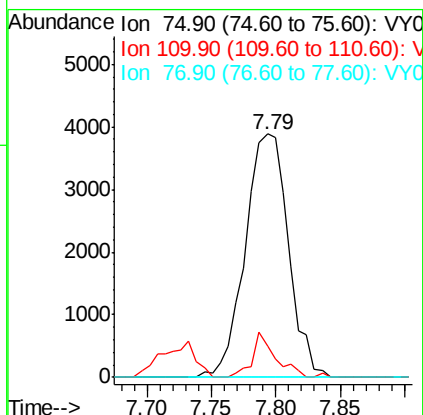
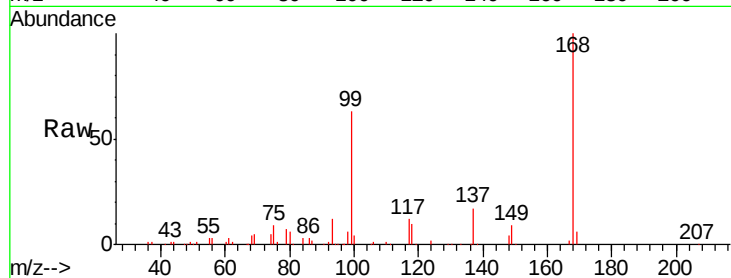




#36
 1,1-Dichloropropene
 Concen: 6.273 ug/l
 RT: 7.79 min Scan# 1018
 Delta R.T. -0.12 min
 Lab File: VY000087.D
 Acq: 19 Sep 2019 19:02

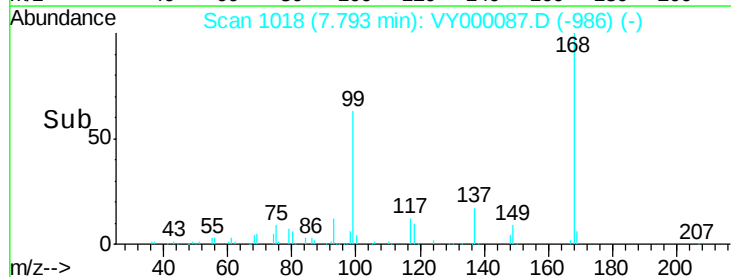
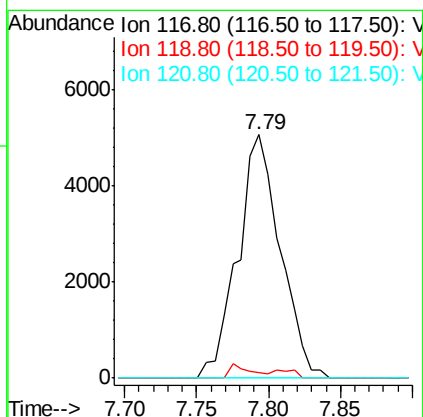
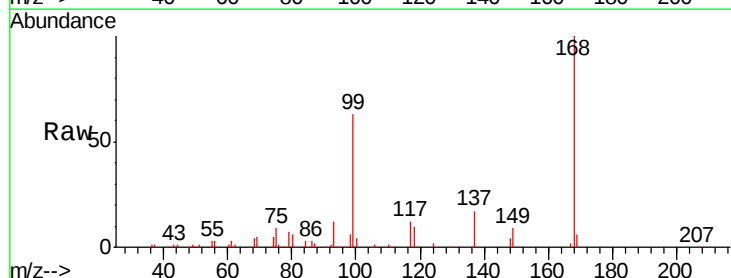
Instrument :
 MSVOA_Y
 ClientSampleId :
 CSA2-1-4

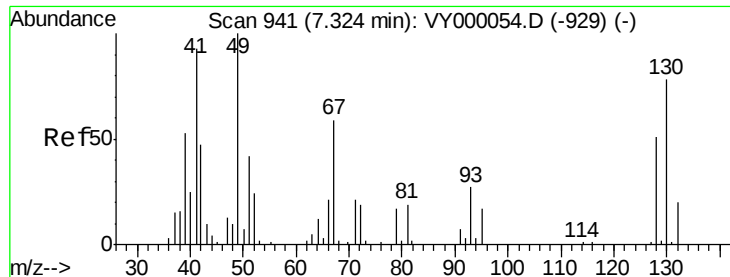
Tgt Ion: 75 Resp: 9007
 Ion Ratio Lower Upper
 75 100
 110 9.6 19.6 58.7#
 77 0.0 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 7.670 ug/l
 RT: 7.79 min Scan# 1018
 Delta R.T. -0.10 min
 Lab File: VY000087.D
 Acq: 19 Sep 2019 19:02

Tgt Ion: 117 Resp: 10394
 Ion Ratio Lower Upper
 117 100
 119 2.0 75.0 112.6#
 121 0.0 22.8 34.2#

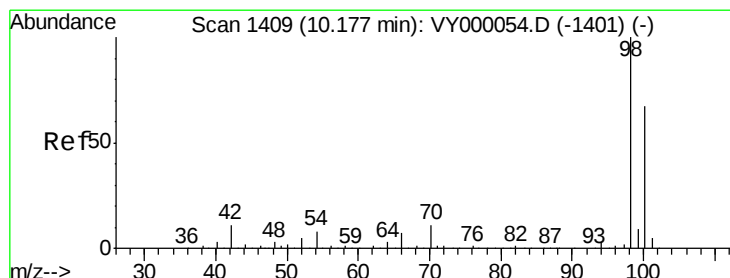
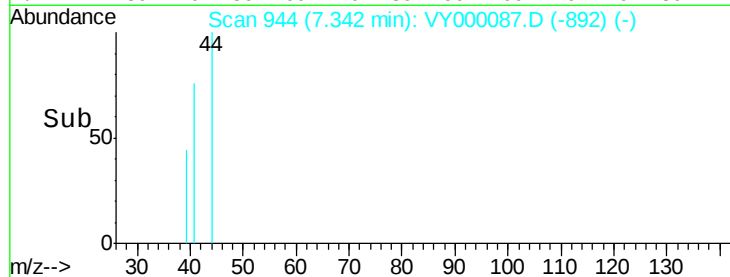
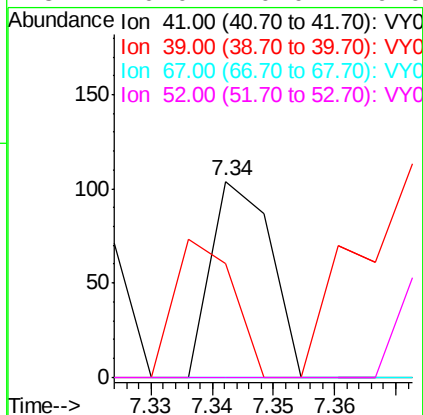
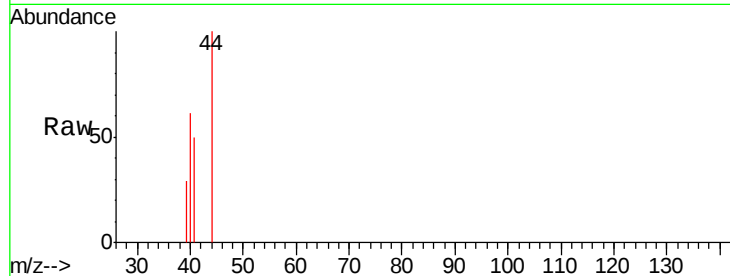




#41
Methacrylonitrile
Concen: 4.394 ug/l
RT: 7.34 min Scan# 944
Delta R.T. 0.02 min
Lab File: VY000087.D
Acq: 19 Sep 2019 19:02

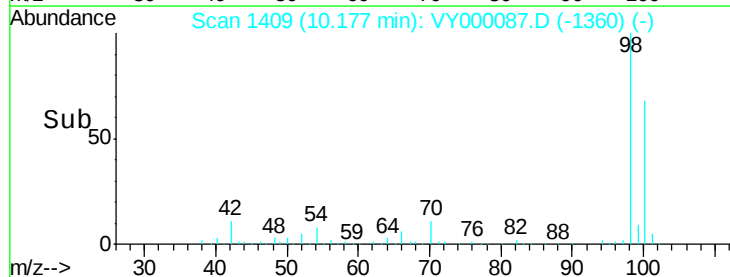
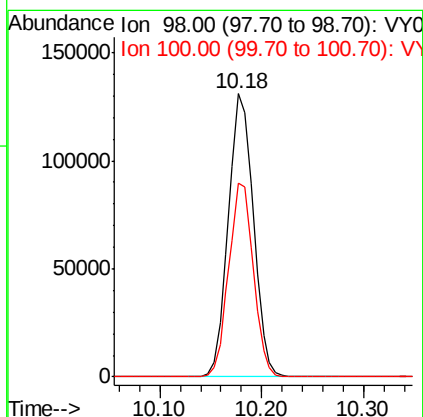
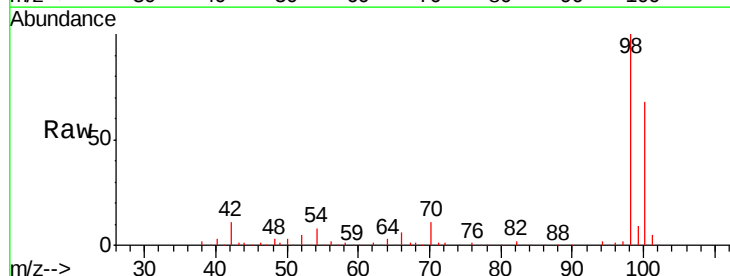
Instrument :
MSVOA_Y
ClientSampleId :
CSA2-1-4

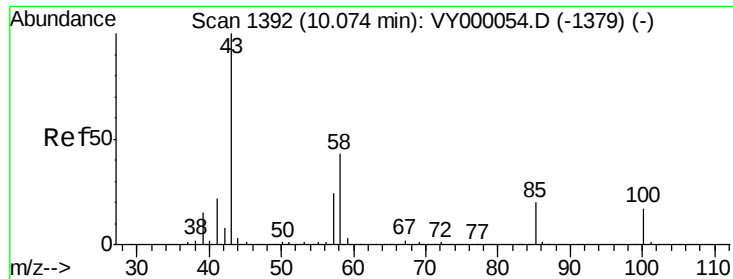
Tgt Ion:	41	Resp:	70
Ion	Ratio	Lower	Upper
41	100		
39	70.0	91.8	137.6#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#50
Toluene-d8
Concen: 48.728 ug/l
RT: 10.18 min Scan# 1409
Delta R.T. -0.00 min
Lab File: VY000087.D
Acq: 19 Sep 2019 19:02

Tgt Ion:	98	Resp:	222534
Ion	Ratio	Lower	Upper
98	100		
100	67.4	53.1	79.7





#51

4-Methyl-2-Pentanone

Concen: 1.004 ug/l

RT: 10.18 min Scan# 1409

Delta R.T. 0.10 min

Lab File: VY000087.D

Acq: 19 Sep 2019 19:02

Instrument :

MSVOA_Y

ClientSampled :

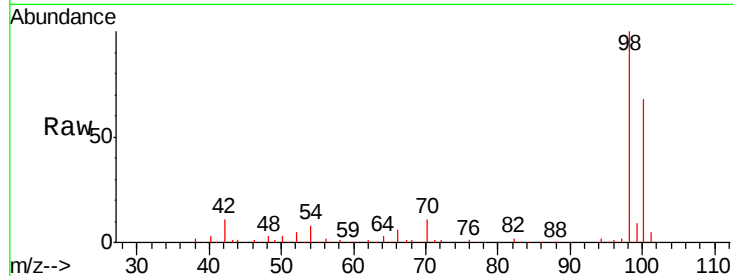
CSA2-1-4

Tgt Ion: 43 Resp: 1026

Ion Ratio Lower Upper

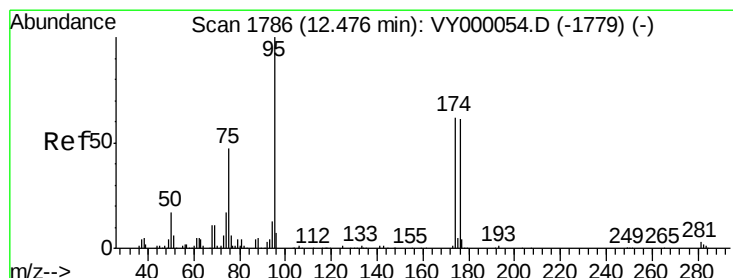
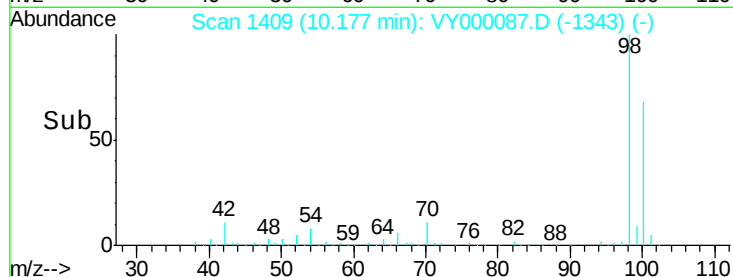
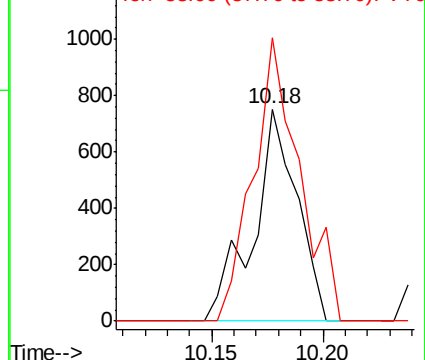
43 100

58 142.0 34.2 51.2#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#62

4-Bromofluorobenzene

Concen: 29.979 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.00 min

Lab File: VY000087.D

Acq: 19 Sep 2019 19:02

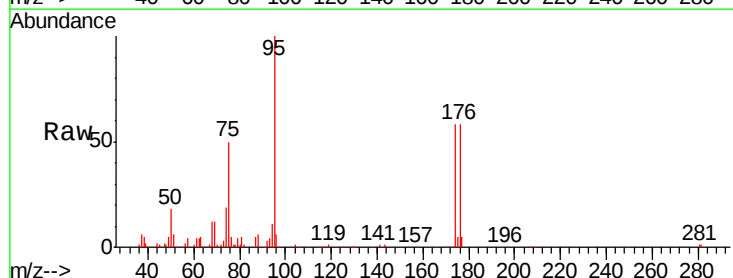
Tgt Ion: 95 Resp: 50831

Ion Ratio Lower Upper

95 100

174 67.7 0.0 137.2

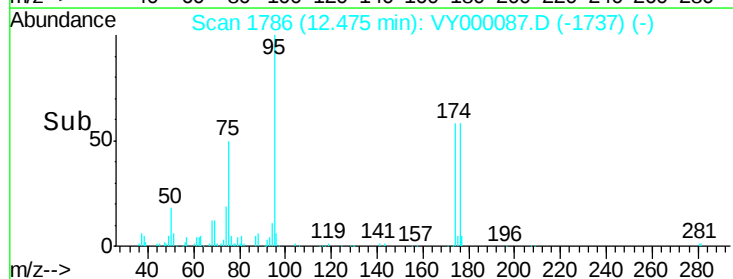
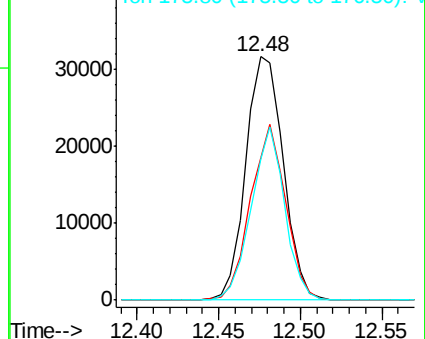
176 63.2 0.0 135.0

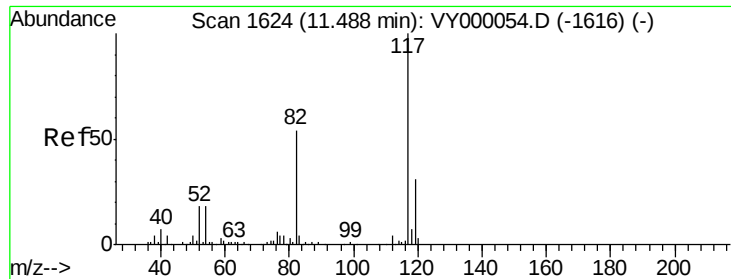


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

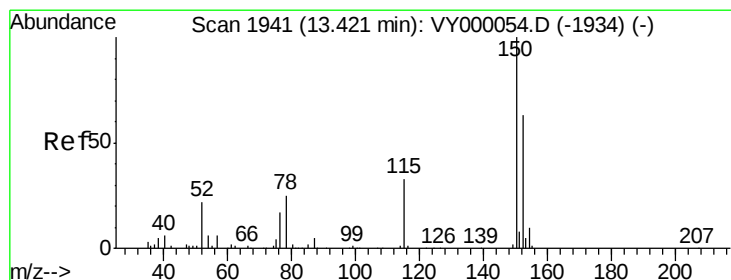
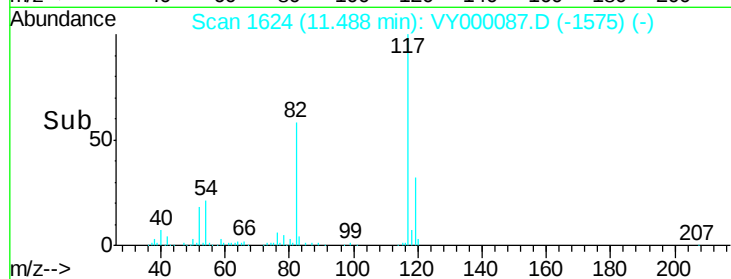
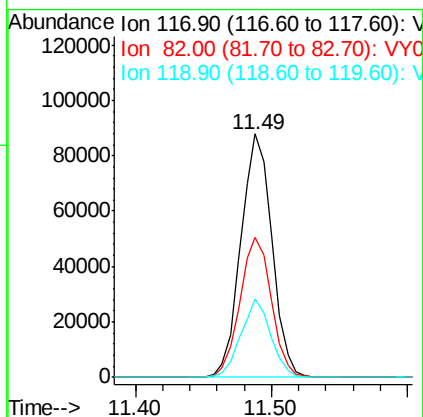
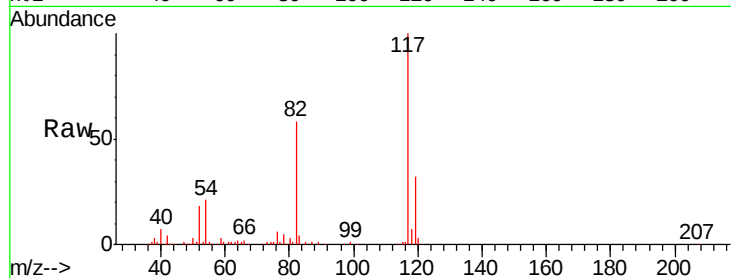




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1624
Delta R.T. -0.00 min
Lab File: VY000087.D
Acq: 19 Sep 2019 19:02

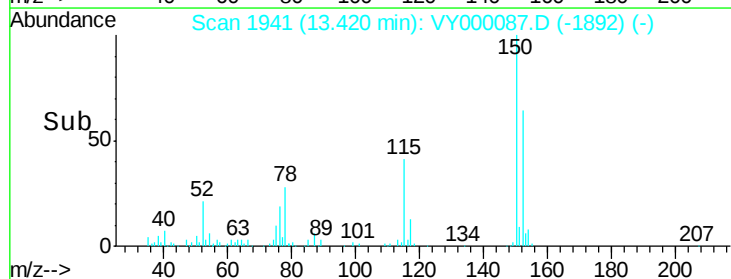
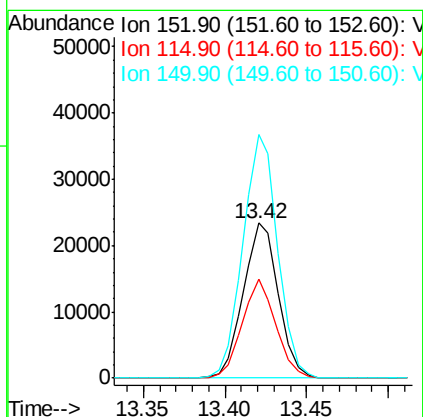
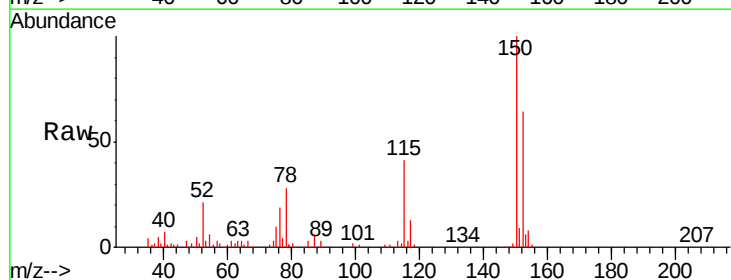
Instrument :
MSVOA_Y
ClientSampleId :
CSA2-1-4

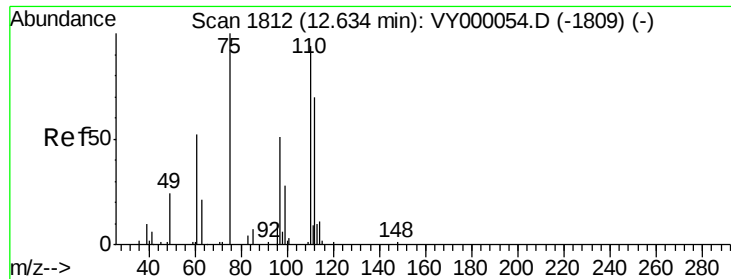
Tgt Ion:117 Resp: 140271
Ion Ratio Lower Upper
117 100
82 57.6 43.5 65.3
119 32.4 24.6 36.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1941
Delta R.T. -0.00 min
Lab File: VY000087.D
Acq: 19 Sep 2019 19:02

Tgt Ion:152 Resp: 34865
Ion Ratio Lower Upper
152 100
115 61.7 30.7 92.1
150 156.3 0.0 351.6

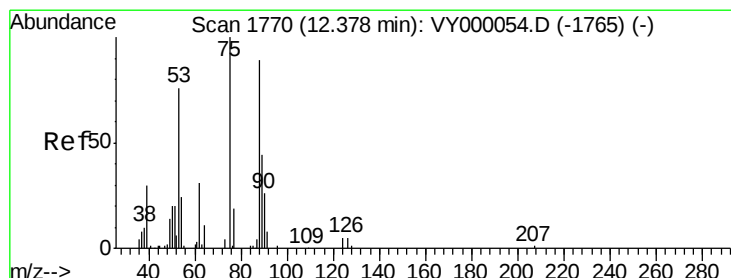
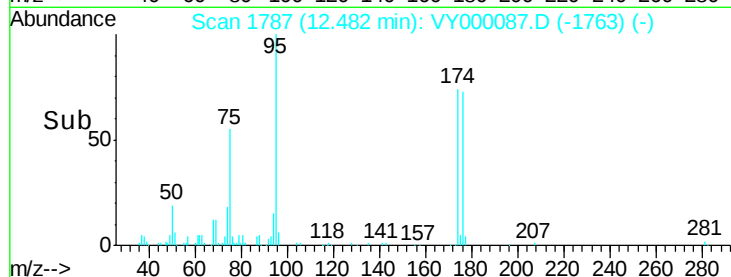
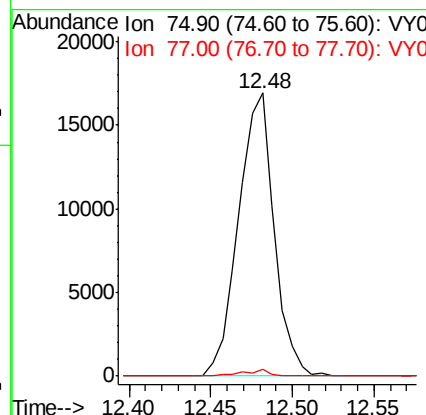
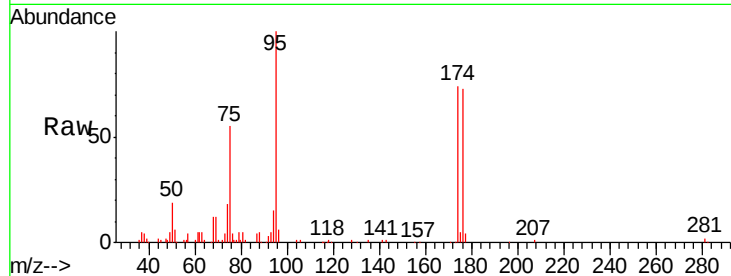




#76
 1,2,3-Trichloropropane
 Concen: 52.511 ug/l
 RT: 12.48 min Scan# 1787
 Delta R.T. -0.15 min
 Lab File: VY000087.D
 Acq: 19 Sep 2019 19:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 CSA2-1-4

Tgt Ion: 75 Resp: 25759
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 100.991 ug/l
 RT: 12.48 min Scan# 1787
 Delta R.T. 0.10 min
 Lab File: VY000087.D
 Acq: 19 Sep 2019 19:02

Tgt Ion: 75 Resp: 25759
 Ion Ratio Lower Upper
 75 100
 53 0.1 60.9 91.3#
 89 0.1 35.3 52.9#

