

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY092019\
 Data File : VY000117.D
 Acq On : 20 Sep 2019 18:47
 Operator : SY/MD
 Sample : K4938-02
 Misc : 5.07g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 20 23:49:56 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

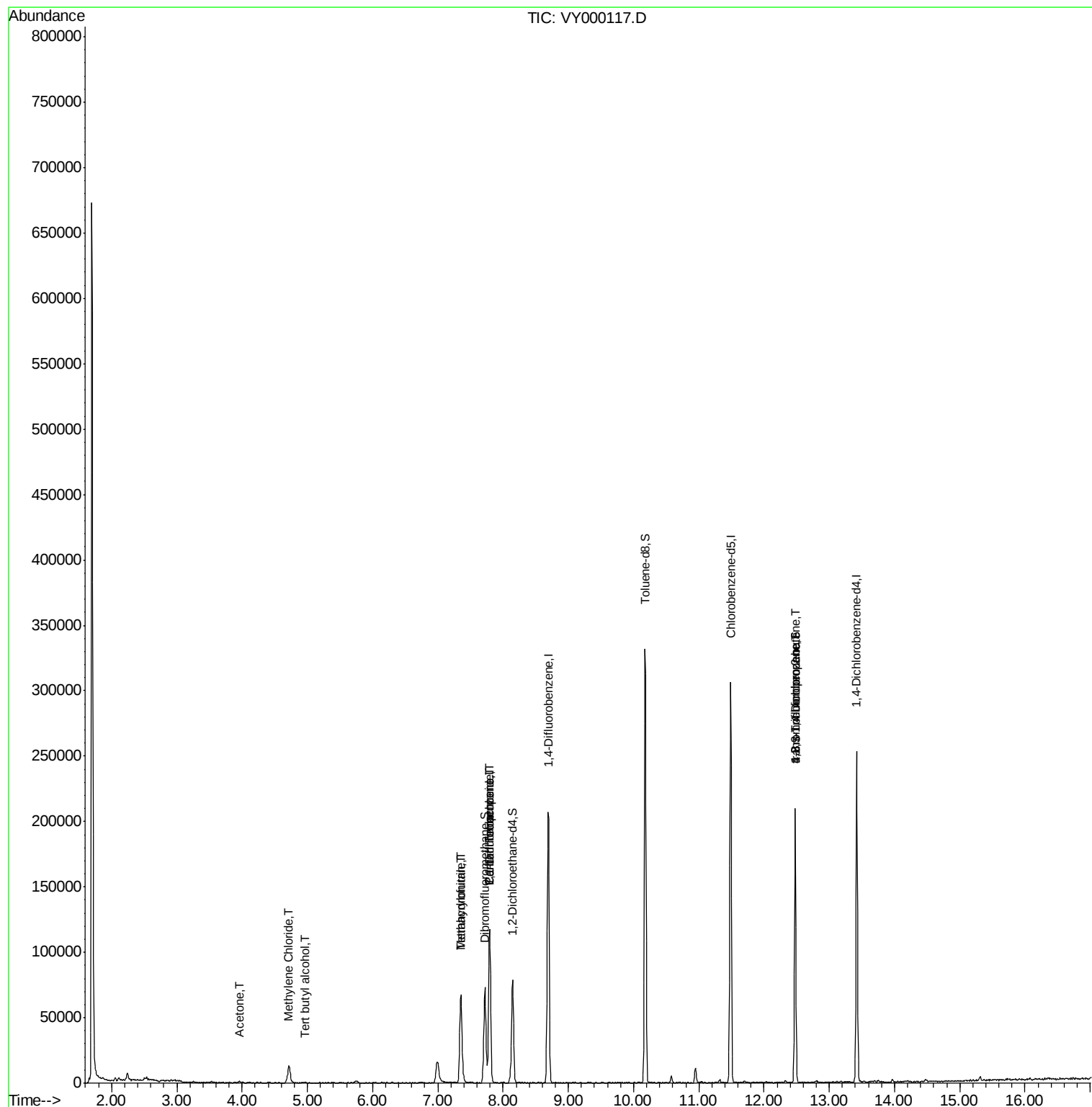
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	84771	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	180370	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	154138	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	57803	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	52919	54.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.52%	
35) Dibromofluoromethane	7.72	113	53019	48.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.10%	
50) Toluene-d8	10.18	98	217970	50.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.64%	
62) 4-Bromofluorobenzene	12.48	95	71000	44.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.16%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.96	85	54	Below Cal	#	42
3) Chloromethane	2.11	50	1611	Below Cal	#	82
5) Bromomethane	2.63	94	55	Below Cal	#	6
11) Tert butyl alcohol	4.96	59	350	3.027 ug/l	#	73
13) Acrolein	3.49	56	19	Below Cal	#	13
16) Acetone	3.96	43	1769	7.790 ug/l	#	82
17) Carbon Disulfide	4.18	76	53	Below Cal	#	77
20) Methylene Chloride	4.71	84	9382	8.783 ug/l		97
29) Tetrahydrofuran	7.35	42	52001	210.603 ug/l		99
31) Cyclohexane	7.79	56	2270	Below Cal	#	1
36) 1,1-Dichloropropene	7.79	75	8273	6.134 ug/l	#	47
38) Carbon Tetrachloride	7.79	117	8513	6.688 ug/l	#	15
41) Methacrylonitrile	7.35	41	27203	42.439 ug/l	#	37
76) 1,2,3-Trichloropropane	12.48	75	35279	43.379 ug/l	#	100
81) trans-1,4-Dichloro-2-buten	12.48	75	35279	83.428 ug/l	#	19

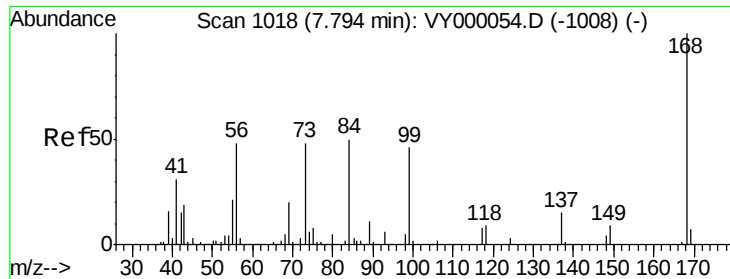
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY000117.D

Acq: 20 Sep 2019 18:47

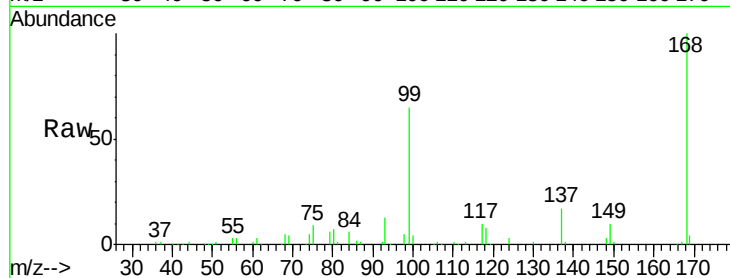
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 84771

Ion Ratio Lower Upper

168 100

99 65.4 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

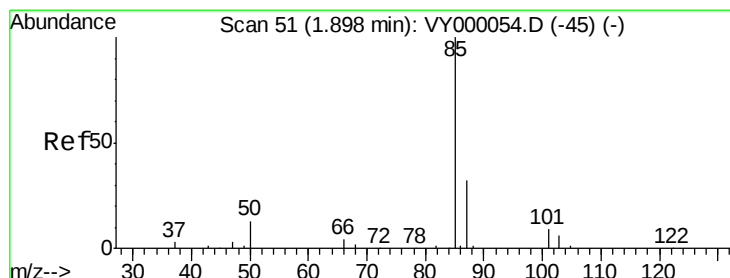
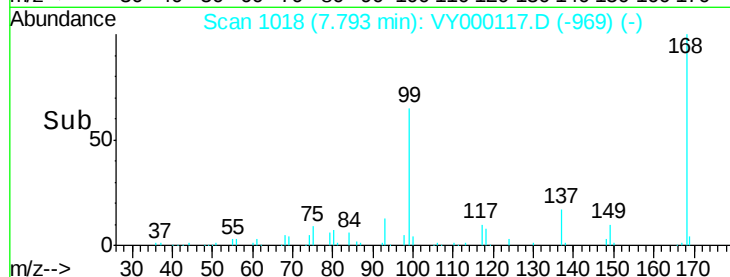
20000

10000

0

7.70 7.75 7.80 7.85 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.96 min Scan# 61

Delta R.T. 0.06 min

Lab File: VY000117.D

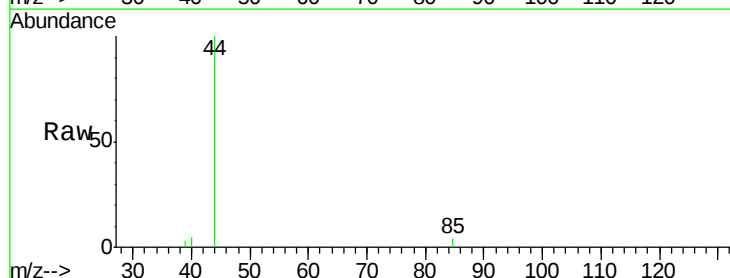
Acq: 20 Sep 2019 18:47

Tgt Ion: 85 Resp: 54

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) (-)

1.96

80

60

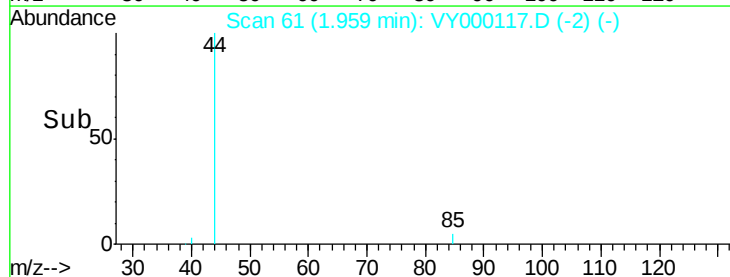
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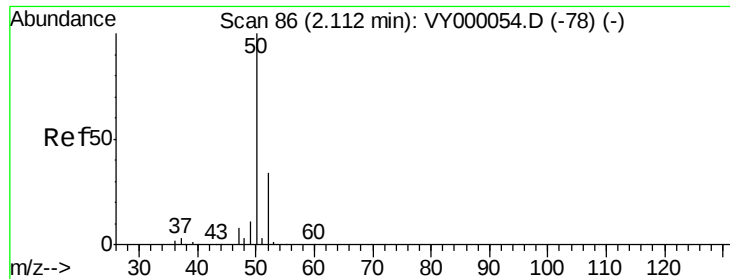
20

0

1.94 1.96 1.98

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 2.11 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY000117.D

Acq: 20 Sep 2019 18:47

Instrument :

MSVOA_Y

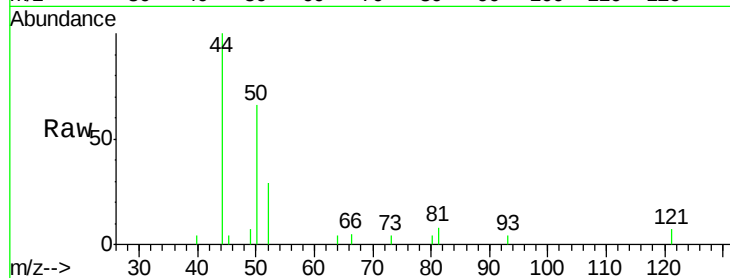
ClientSampleId :

Tot Ion: 50 Resp: 1611

Ion Ratio Lower Upper

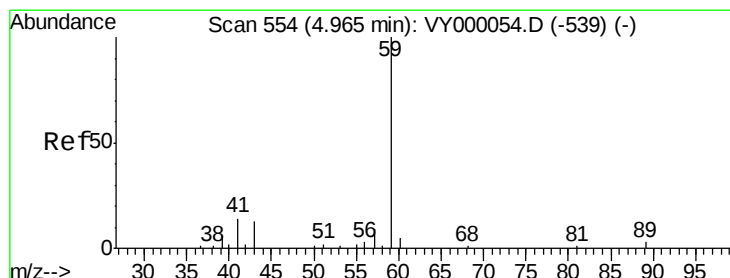
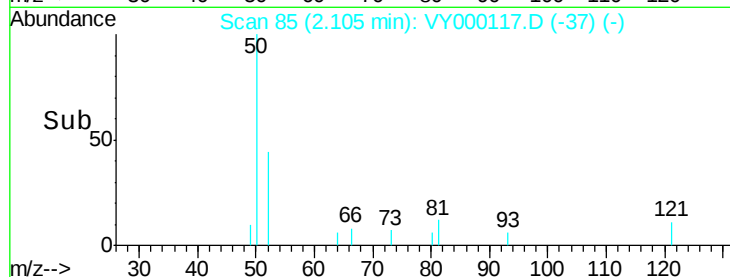
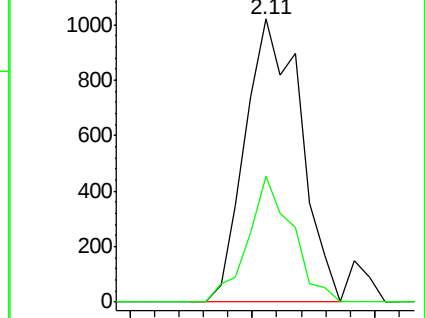
50 100

52 44.3 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: 3.027 ug/l

RT: 4.96 min Scan# 553

Delta R.T. -0.01 min

Lab File: VY000117.D

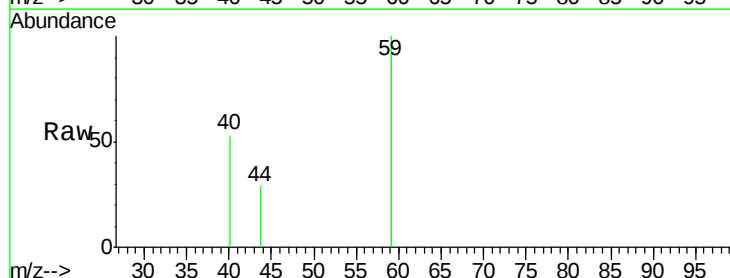
Acq: 20 Sep 2019 18:47

Tgt Ion: 59 Resp: 350

Ion Ratio Lower Upper

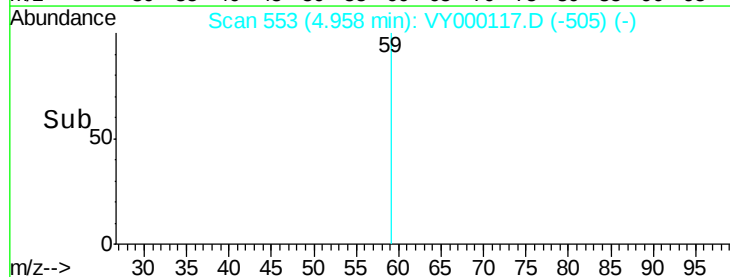
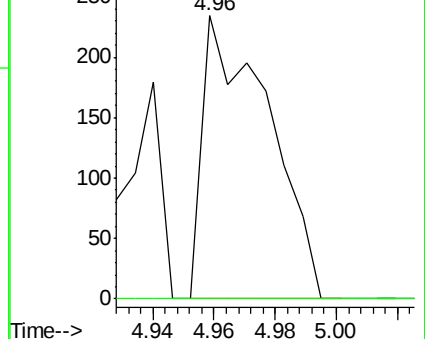
59 100

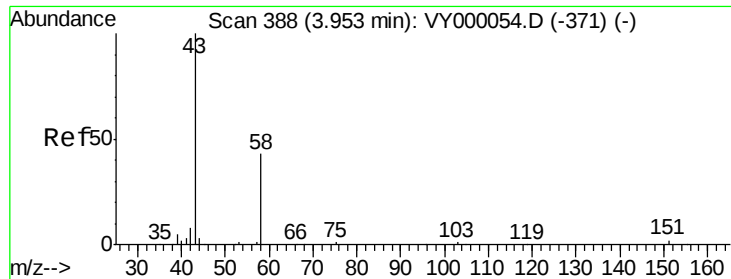
57 0.0 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VY0

Ion 57.00 (56.70 to 57.70): VY0





#16

Acetone

Concen: 7.790 ug/l

RT: 3.96 min Scan# 390

Delta R.T. 0.01 min

Lab File: VY000117.D

Acq: 20 Sep 2019 18:47

Instrument :

MSVOA_Y

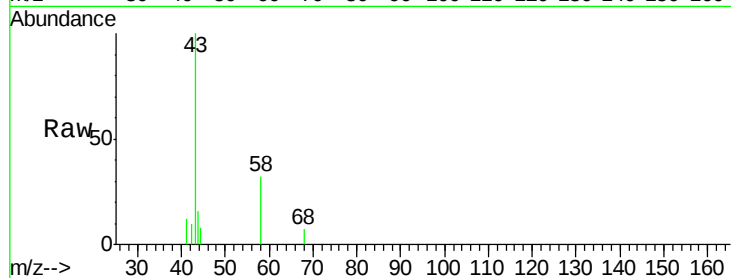
ClientSampleId :

Tot Ion: 43 Resp: 1769

Ion Ratio Lower Upper

43 100

58 31.6 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

600

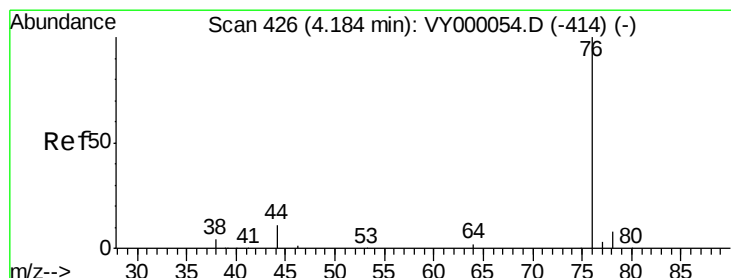
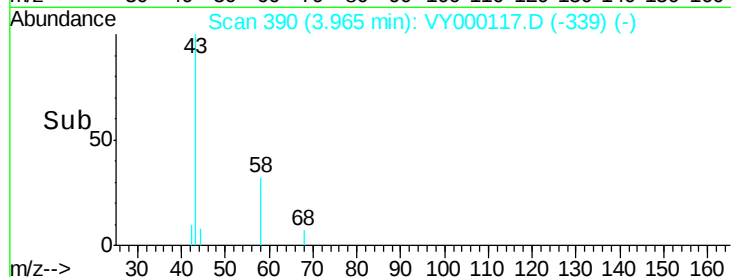
400

200

0

3.90 3.95 4.00 4.05

Time-->



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.18 min Scan# 425

Delta R.T. -0.01 min

Lab File: VY000117.D

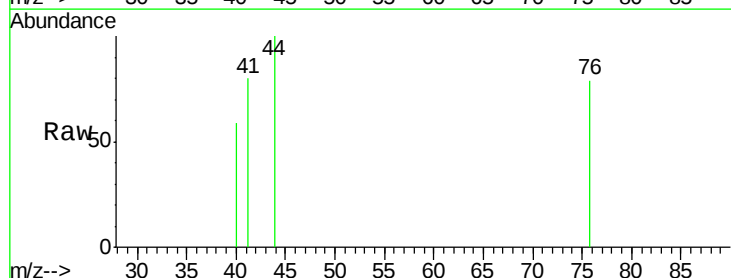
Acq: 20 Sep 2019 18:47

Tgt Ion: 76 Resp: 53

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

100

80

60

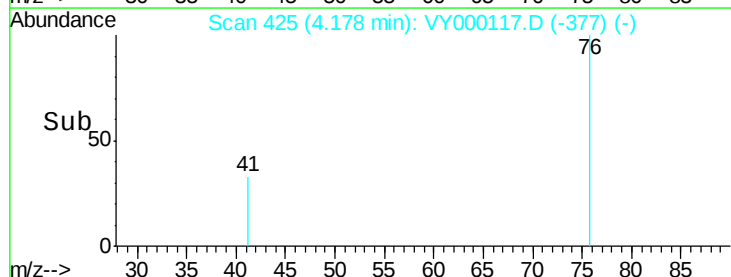
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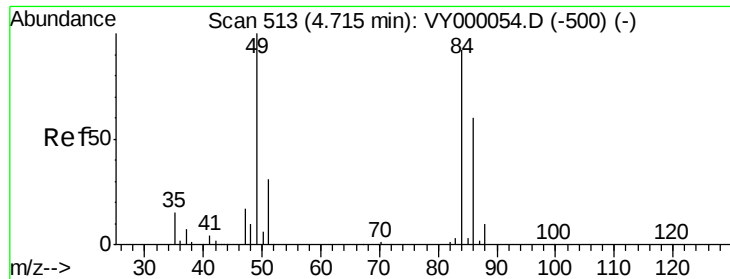
20

0

4.16 4.18 4.20

Time-->

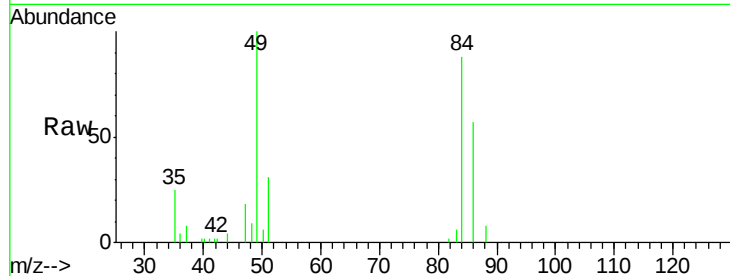




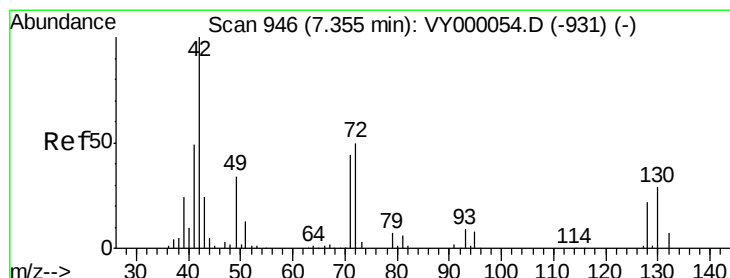
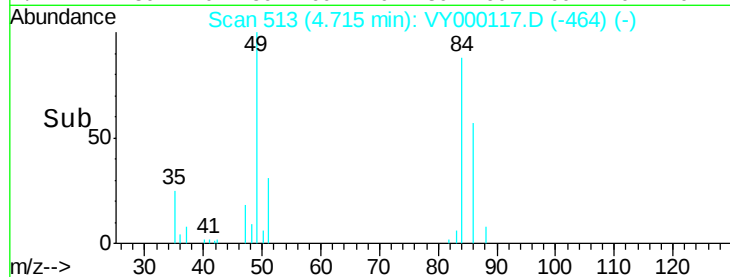
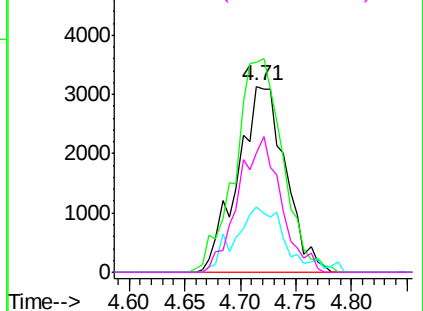
#20
Methvlene Chloride
Concen: 8.783 ug/l
RT: 4.71 min Scan# 513
Delta R.T. -0.00 min
Lab File: VY000117.D
Acq: 20 Sep 2019 18:47

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:	84	Resp:	9382
Ion	Ratio	Lower	Upper
84	100		
49	113.3	87.4	131.0
51	35.1	27.2	40.8
86	64.3	52.8	79.2

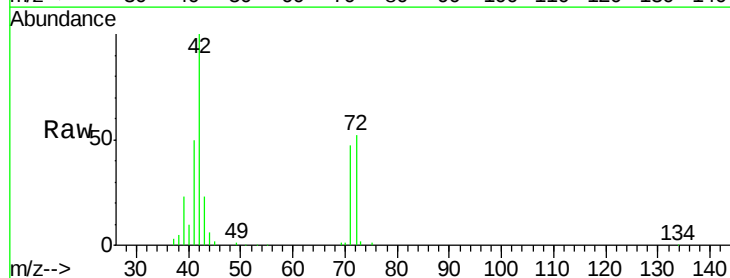


Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0

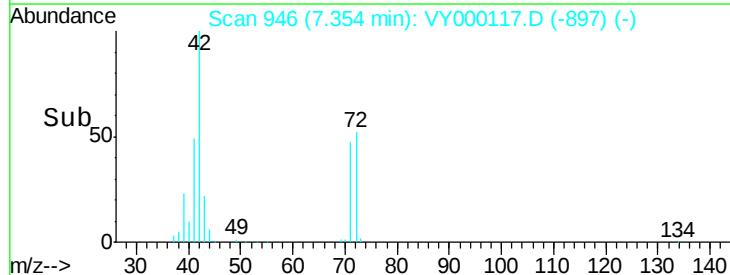
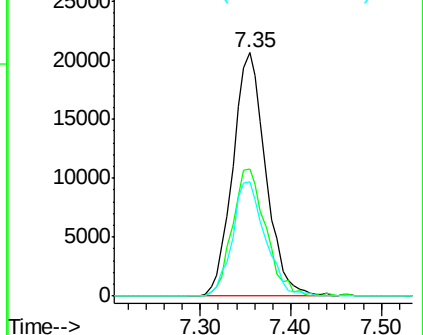


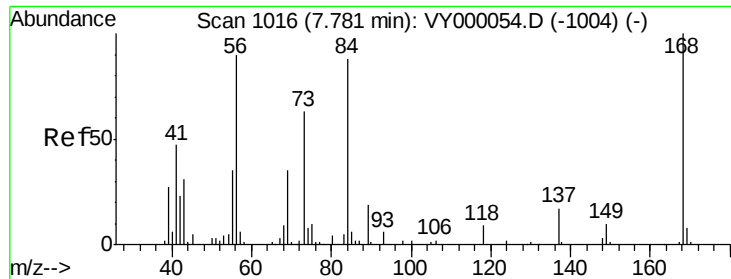
#29
Tetrahydrofuran
Concen: 210.603 ug/l
RT: 7.35 min Scan# 946
Delta R.T. -0.00 min
Lab File: VY000117.D
Acq: 20 Sep 2019 18:47

Tgt Ion:	42	Resp:	52001
Ion	Ratio	Lower	Upper
42	100		
72	52.9	41.8	62.6
71	47.1	38.6	58.0



Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0

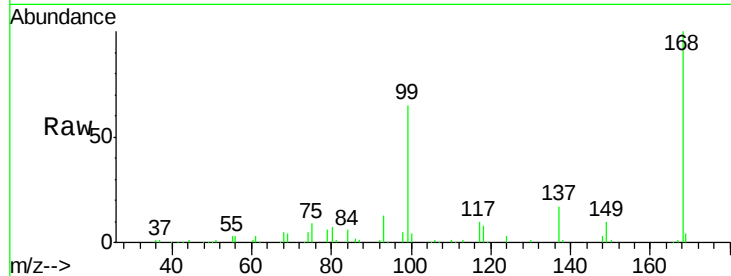




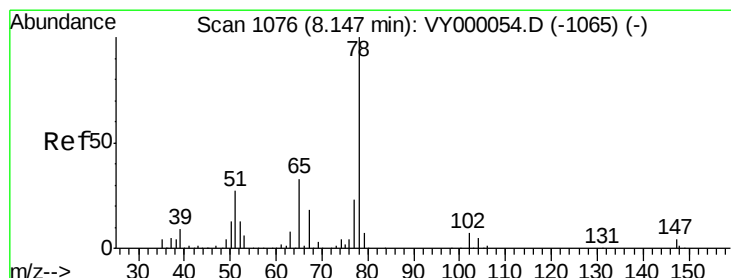
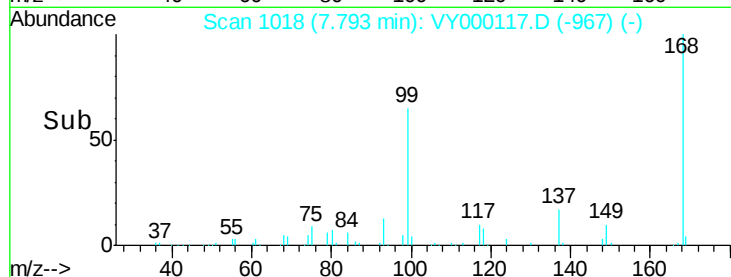
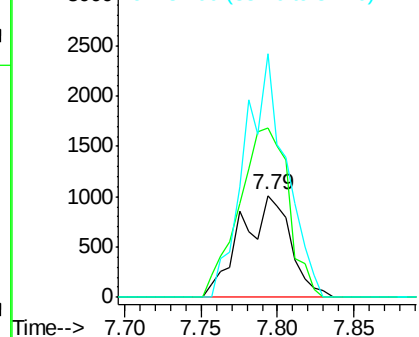
#31
Cyclohexane
Concen: Below Cal
RT: 7.79 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VY000117.D
Acq: 20 Sep 2019 18:47

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 56 Resp: 2270
Ion Ratio Lower Upper
56 100
69 165.6 30.9 46.3#
84 238.9 78.5 117.7#

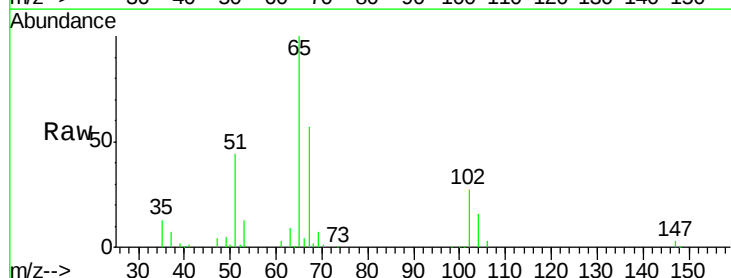


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

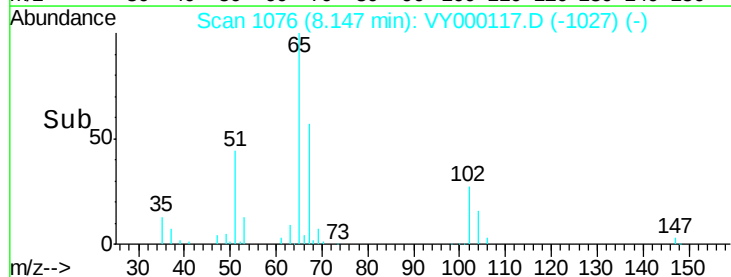
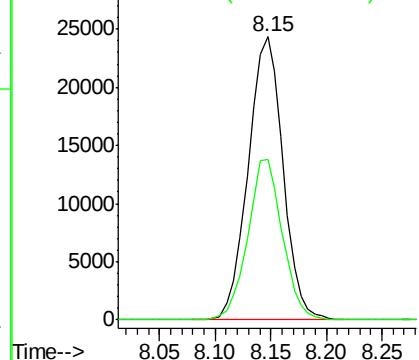


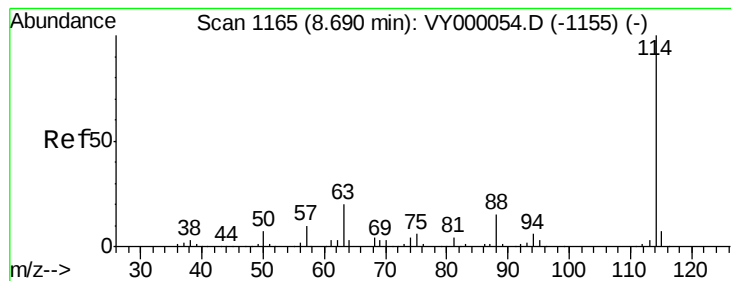
#33
1,2-Dichloroethane-d4
Concen: 54.259 ug/l
RT: 8.15 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VY000117.D
Acq: 20 Sep 2019 18:47

Tgt Ion: 65 Resp: 52919
Ion Ratio Lower Upper
65 100
67 56.5 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: VY000117.D

Acq: 20 Sep 2019 18:47

Instrument :

MSVOA_Y

ClientSampleId :

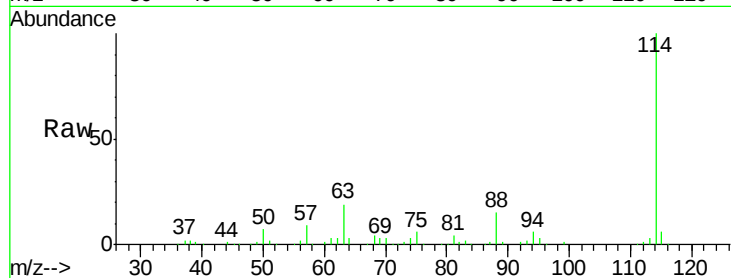
Tot Ion:114 Resp: 180370

Ion Ratio Lower Upper

114 100

63 18.9 0.0 39.4

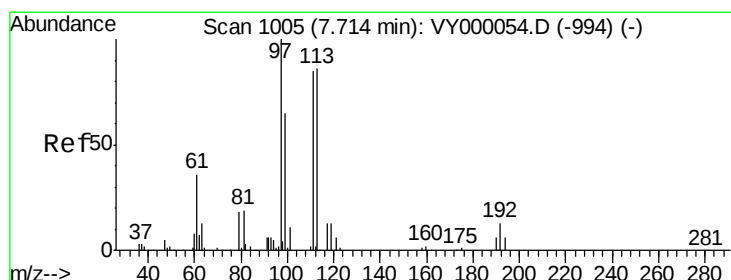
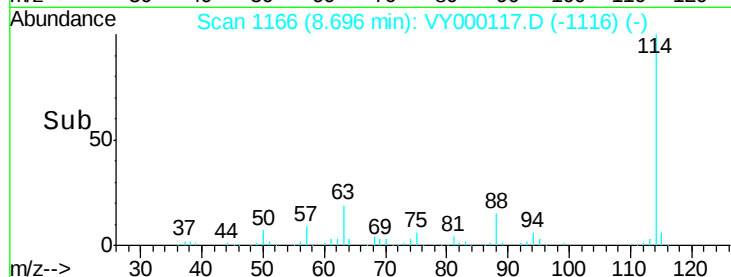
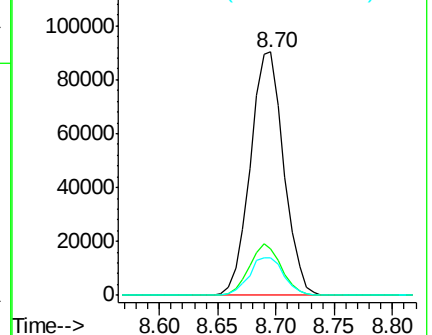
88 15.2 0.0 30.2



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: 48.548 ug/l

RT: 7.72 min Scan# 1006

Delta R.T. 0.01 min

Lab File: VY000117.D

Acq: 20 Sep 2019 18:47

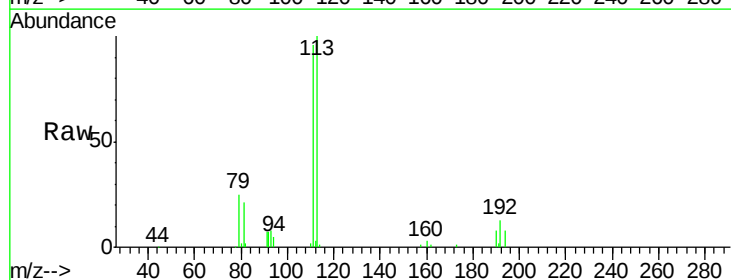
Tgt Ion:113 Resp: 53019

Ion Ratio Lower Upper

113 100

111 99.3 81.7 122.5

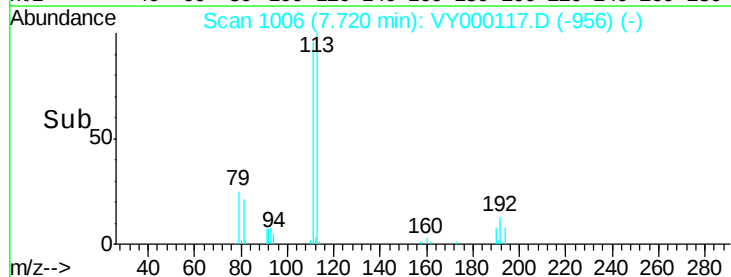
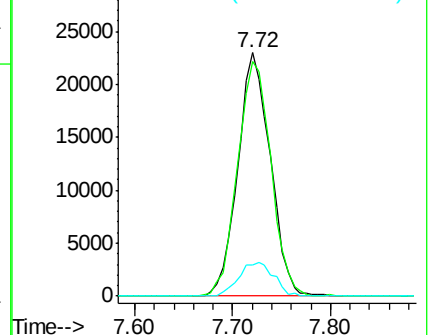
192 15.0 13.4 20.2

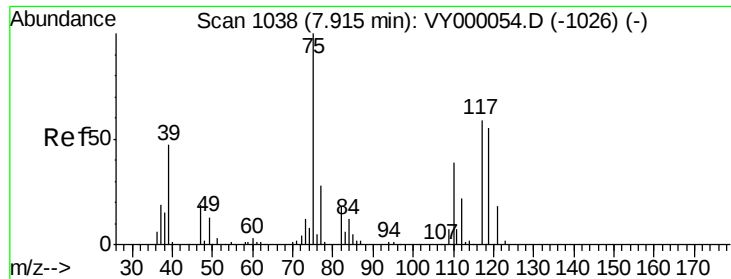


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

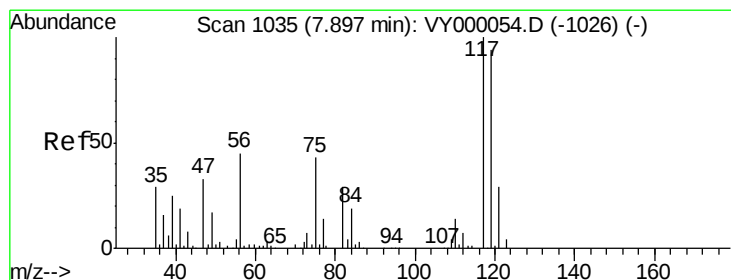
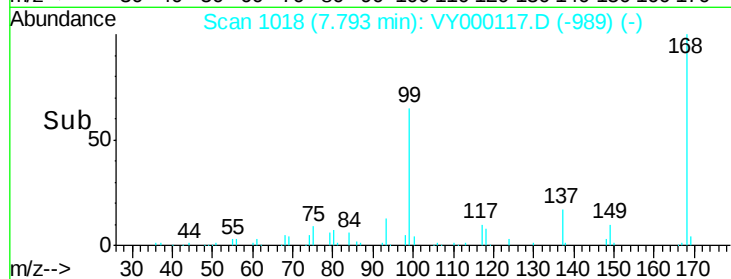
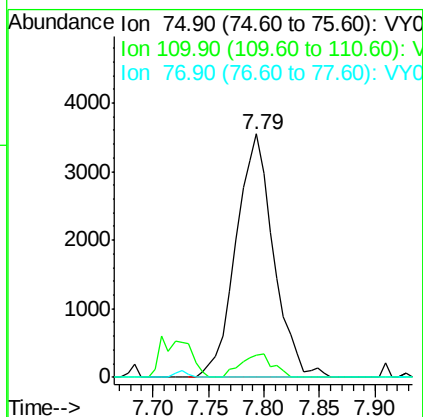
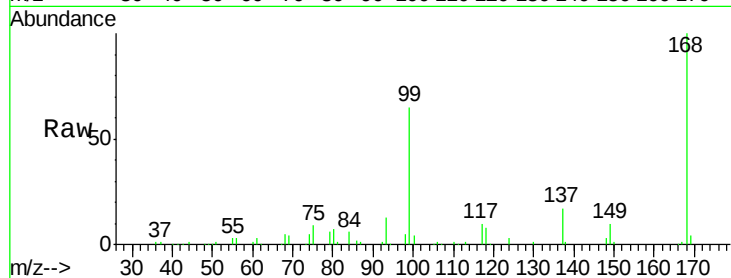




#36
 1,1-Dichloropropene
 Concen: 6.134 ug/l
 RT: 7.79 min Scan# 1018
 Delta R.T. -0.12 min
 Lab File: VY000117.D
 Acq: 20 Sep 2019 18:47

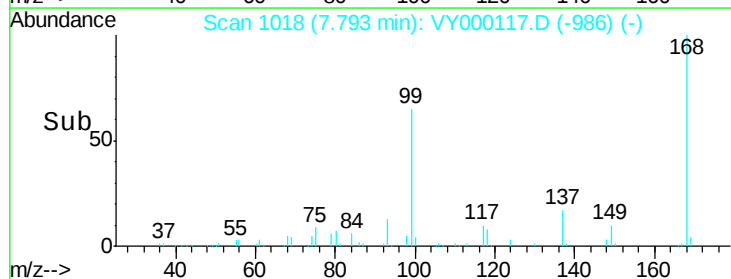
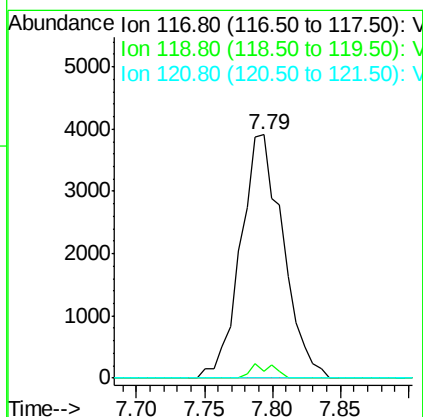
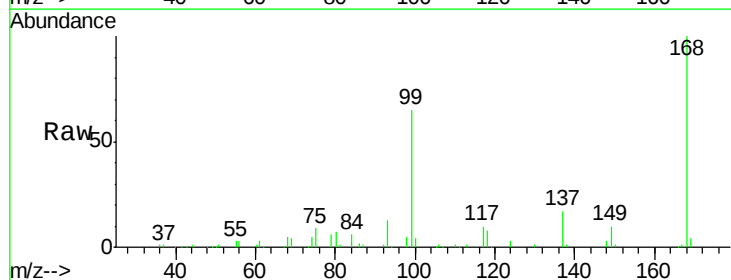
Instrument :
 MSVOA_Y
 ClientSampleId :

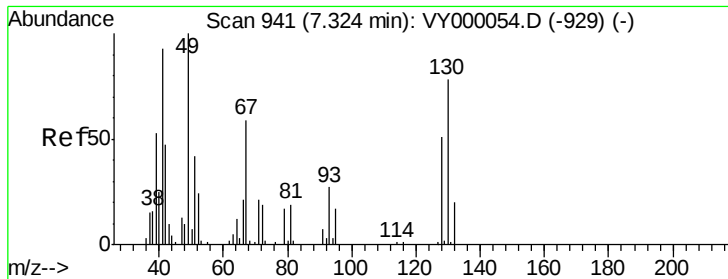
Tot Ion: 75 Resp: 8273
 Ion Ratio Lower Upper
 75 100
 110 8.2 19.6 58.7#
 77 0.0 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 6.688 ug/l
 RT: 7.79 min Scan# 1018
 Delta R.T. -0.10 min
 Lab File: VY000117.D
 Acq: 20 Sep 2019 18:47

Tgt Ion: 117 Resp: 8513
 Ion Ratio Lower Upper
 117 100
 119 2.7 75.0 112.6#
 121 0.0 22.8 34.2#

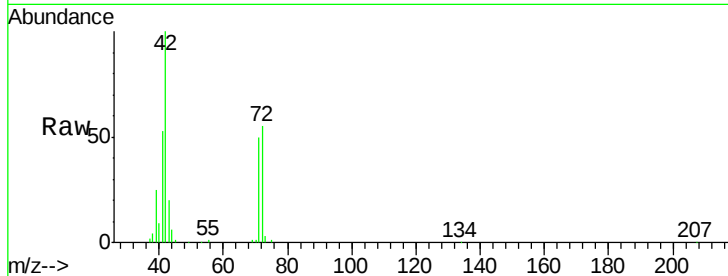




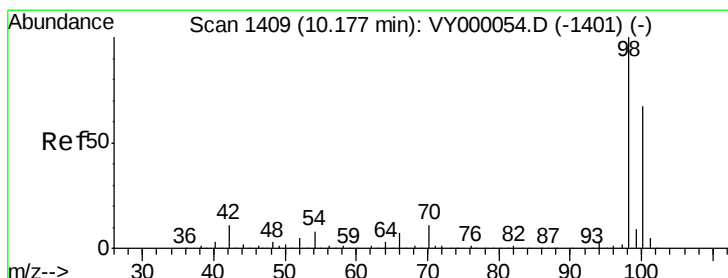
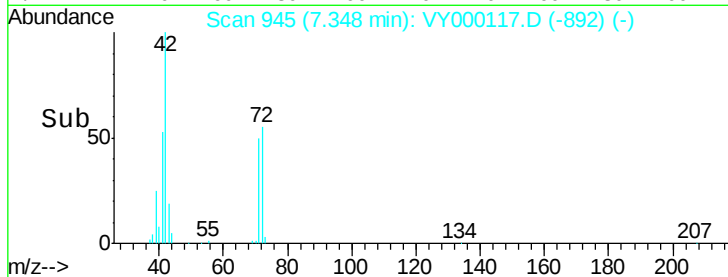
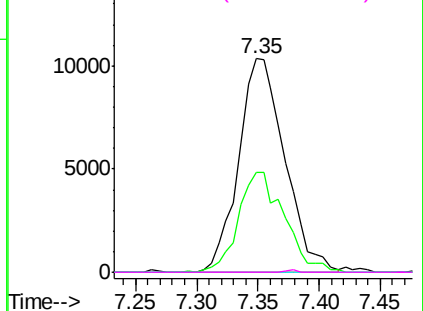
#41
Methacrylonitrile
Concen: 42.439 ug/l
RT: 7.35 min Scan# 945
Delta R.T. 0.02 min
Lab File: VY000117.D
Acq: 20 Sep 2019 18:47

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 41 Resp: 27203
Ion Ratio Lower Upper
41 100
39 46.2 91.8 137.6#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

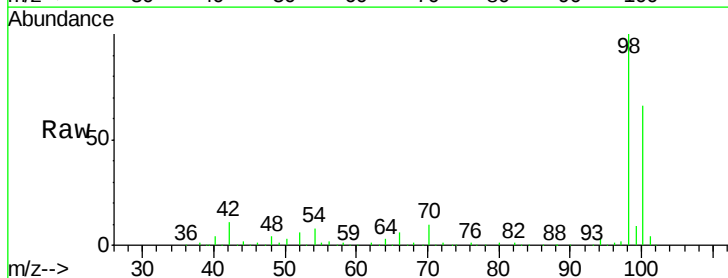


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0

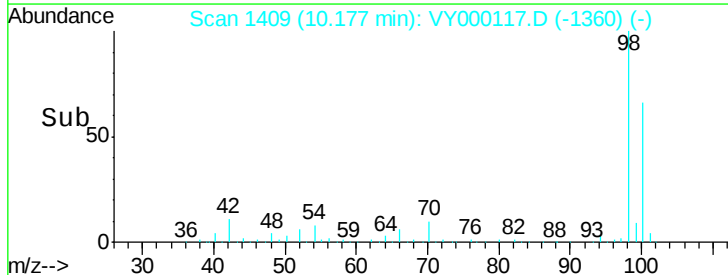
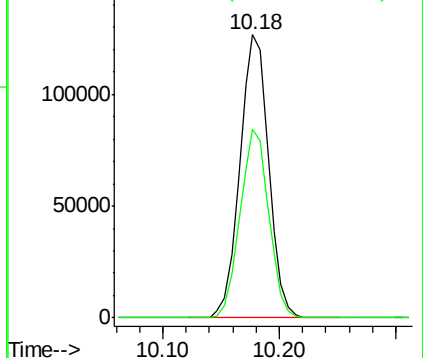


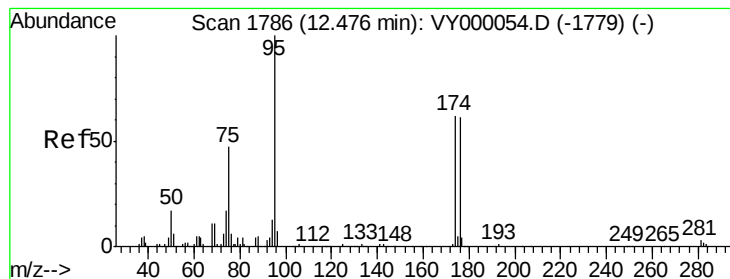
#50
Toluene-d8
Concen: 50.816 ug/l
RT: 10.18 min Scan# 1409
Delta R.T. -0.00 min
Lab File: VY000117.D
Acq: 20 Sep 2019 18:47

Tgt Ion: 98 Resp: 217970
Ion Ratio Lower Upper
98 100
100 66.5 53.1 79.7



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





#62

4-Bromofluorobenzene

Concen: 44.583 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.00 min

Lab File: VY000117.D

Acq: 20 Sep 2019 18:47

Instrument :

MSVOA_Y

ClientSampleId :

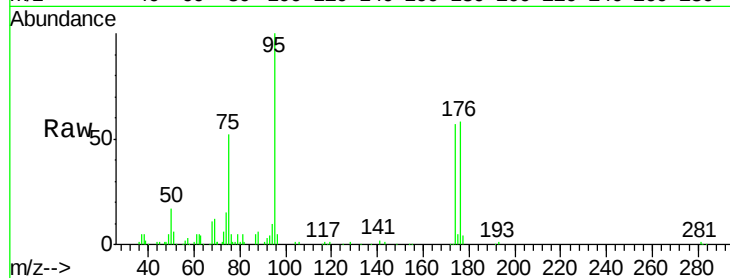
Tot Ion: 95 Resp: 71000

Ion Ratio Lower Upper

95 100

174 61.1 0.0 137.2

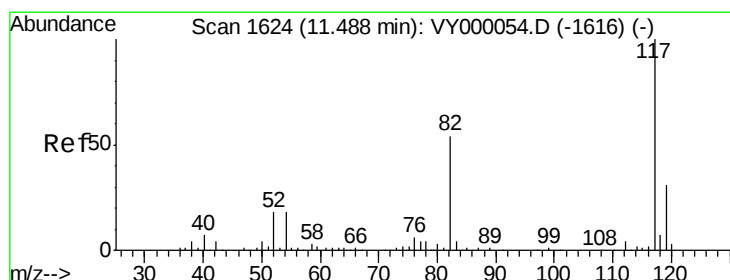
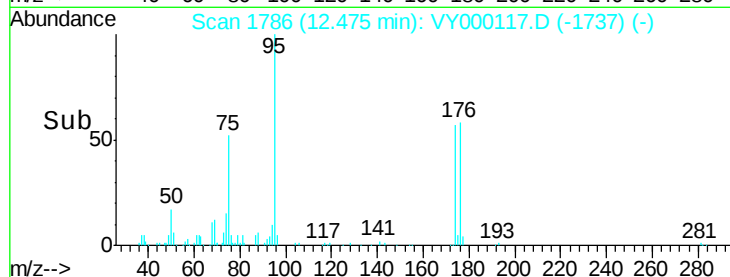
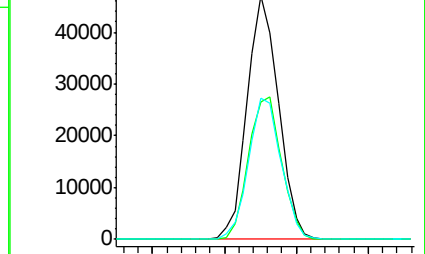
176 60.0 0.0 135.0



Abundance Ion 94.90 (94.60 to 95.60): VY000054.D (-1779) (-)

Ion 173.80 (173.50 to 174.50): VY000054.D (-1779) (-)

Ion 175.80 (175.50 to 176.50): VY000054.D (-1779) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1624

Delta R.T. -0.00 min

Lab File: VY000117.D

Acq: 20 Sep 2019 18:47

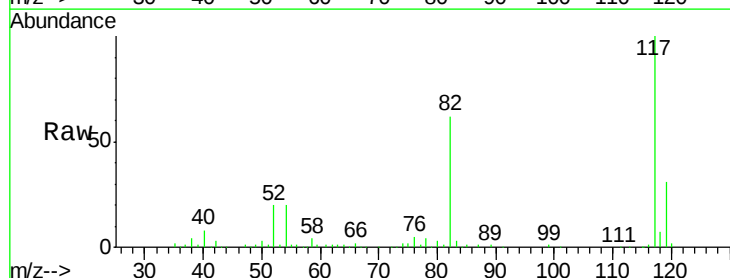
Tgt Ion: 117 Resp: 154138

Ion Ratio Lower Upper

117 100

82 62.4 43.5 65.3

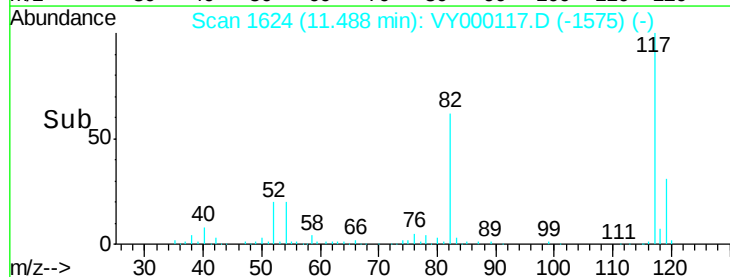
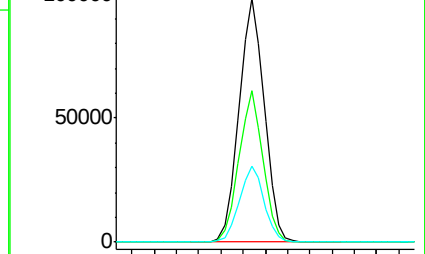
119 31.2 24.6 36.8

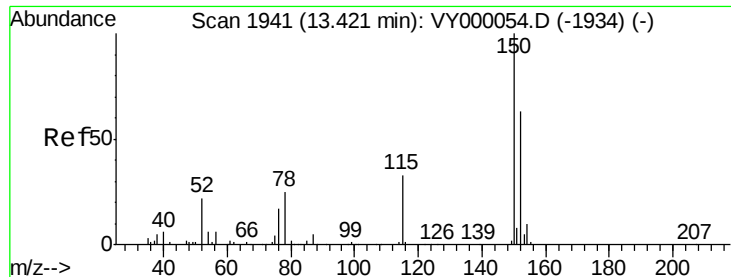


Abundance Ion 116.90 (116.60 to 117.60): VY000054.D (-1616) (-)

Ion 82.00 (81.70 to 82.70): VY000054.D (-1616) (-)

Ion 118.90 (118.60 to 119.60): VY000054.D (-1616) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1941

Delta R.T. -0.00 min

Lab File: VY000117.D

Acq: 20 Sep 2019 18:47

Instrument :

MSVOA_Y

ClientSampleId :

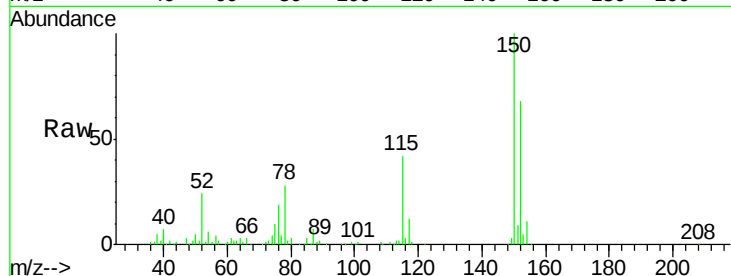
Tot Ion:152 Resp: 57803

Ion Ratio Lower Upper

152 100

115 64.6 30.7 92.1

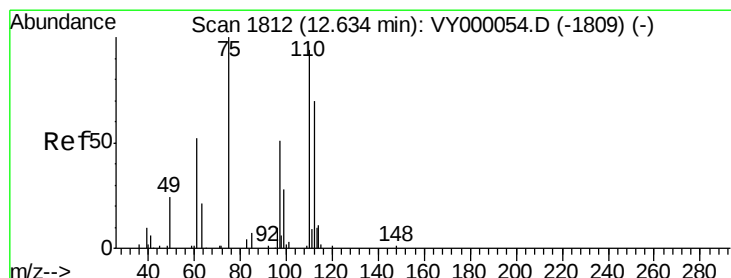
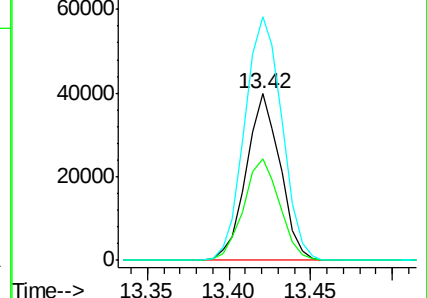
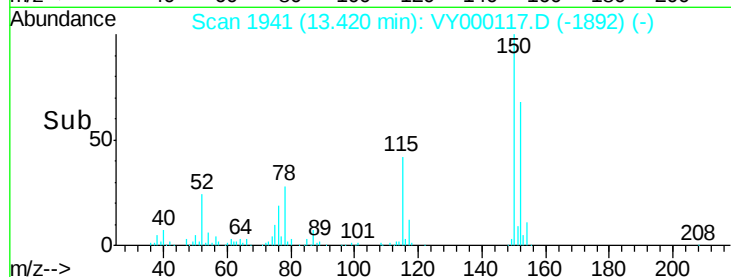
150 159.9 0.0 351.6



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: 43.379 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.16 min

Lab File: VY000117.D

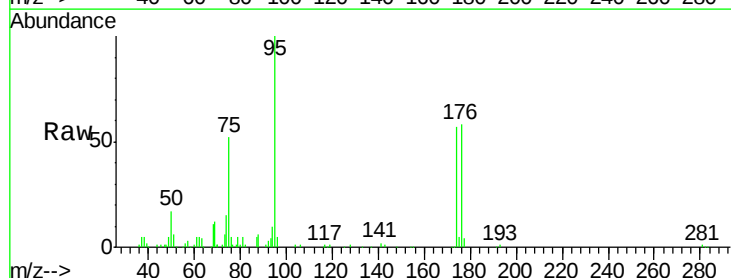
Acq: 20 Sep 2019 18:47

Tgt Ion: 75 Resp: 35279

Ion Ratio Lower Upper

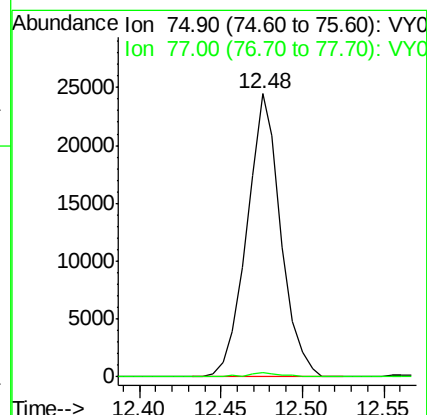
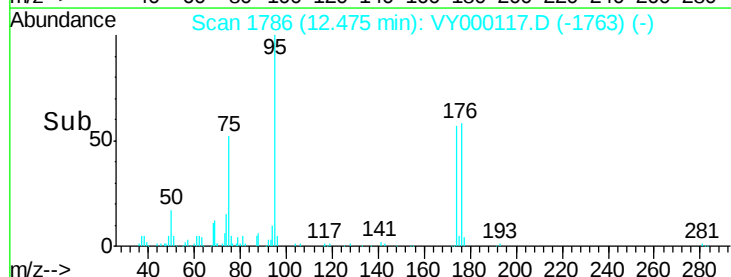
75 100

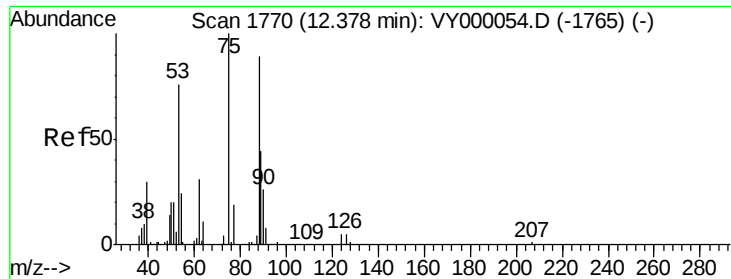
77 1.5 0.0 0.0#



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: 83.428 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. 0.10 min

Lab File: VY000117.D

Acq: 20 Sep 2019 18:47

Instrument :

MSVOA_Y

ClientSampleId :

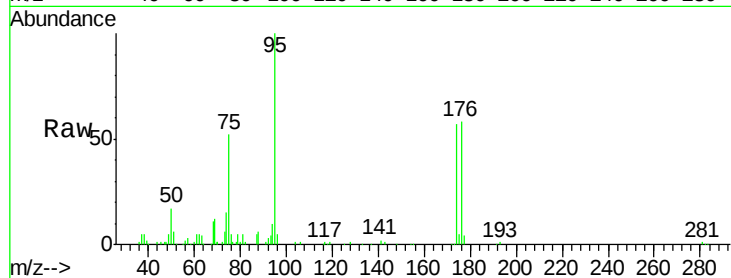
Tot Ion: 75 Resp: 35279

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

