

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY061820\
 Data File : VY002927.D
 Acq On : 18 Jun 2020 18:23
 Operator : SY/MD
 Sample : L3034-04
 Misc : 7.38G/5ML/MSVOA Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jun 19 05:07:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y052720S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 13:13:33 2020
 Response via : Initial Calibration

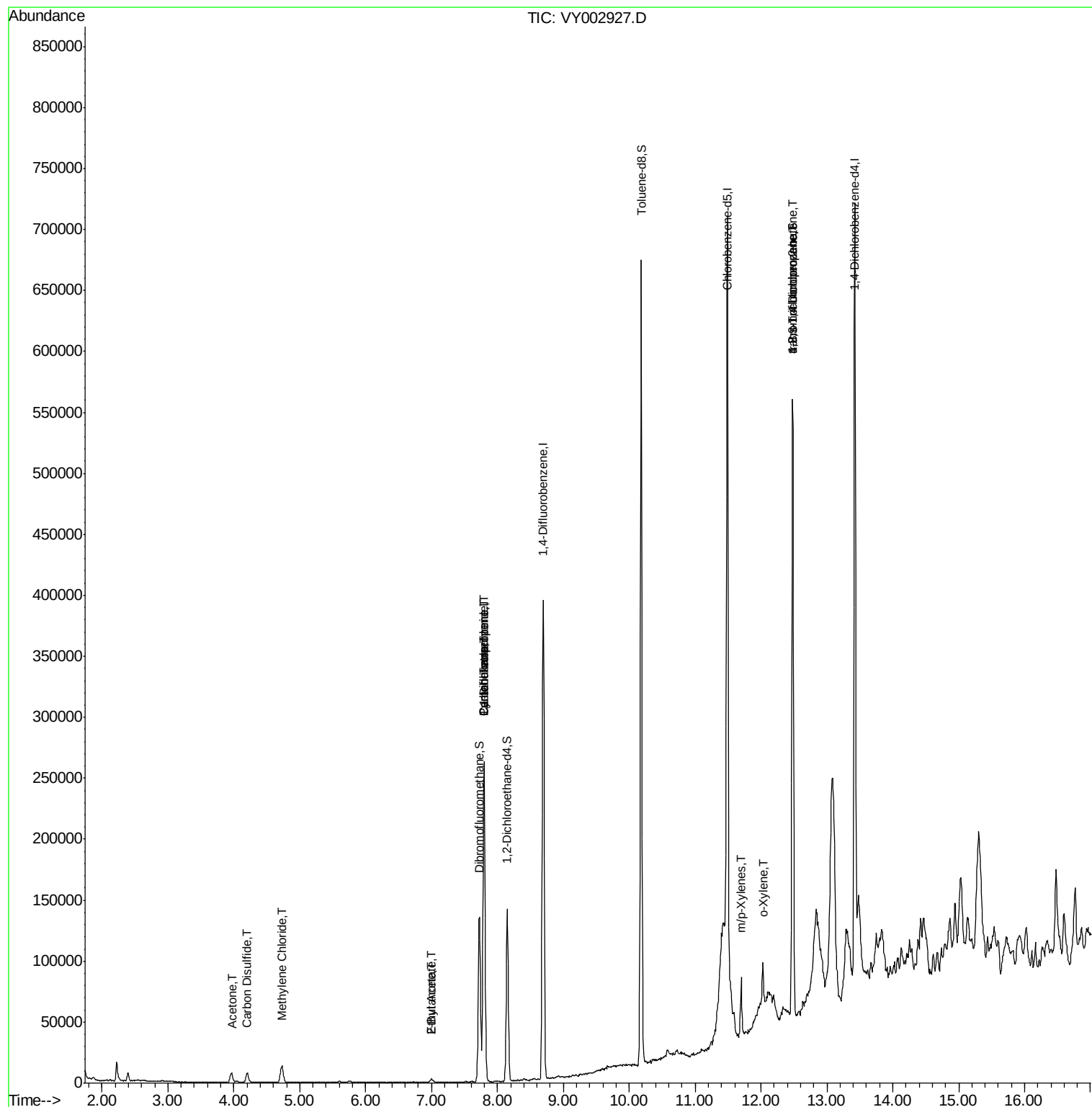
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	220660	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	362340	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	357470	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	173579	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	111187	58.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.06%	
35) Dibromofluoromethane	7.72	113	98085	46.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.38%	
50) Toluene-d8	10.18	98	438435	51.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.12%	
62) 4-Bromofluorobenzene	12.48	95	152034	51.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.62%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.97	59	53	Below Cal	#	74
16) Acetone	3.96	43	13570	30.205	ug/l	94
17) Carbon Disulfide	4.20	76	16433	2.897	ug/l #	94
18) Methyl Acetate	4.49	43	215	Below Cal	#	48
20) Methylene Chloride	4.73	84	11130	5.069	ug/l	95
25) 2-Butanone	7.00	43	3068	4.383	ug/l	96
31) Cyclohexane	7.80	56	3429	1.055	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	13821	4.528	ug/l #	49
37) Ethyl Acetate	7.00	43	3068	1.847	ug/l #	67
38) Carbon Tetrachloride	7.80	117	19588	5.777	ug/l #	17
68) m/p-Xylenes	11.70	106	15131	3.186	ug/l	100
69) o-Xylene	12.03	106	9381	2.092	ug/l	95
76) 1,2,3-Trichloropropane	12.48	75	72747	46.512	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	72747	87.628	ug/l #	17

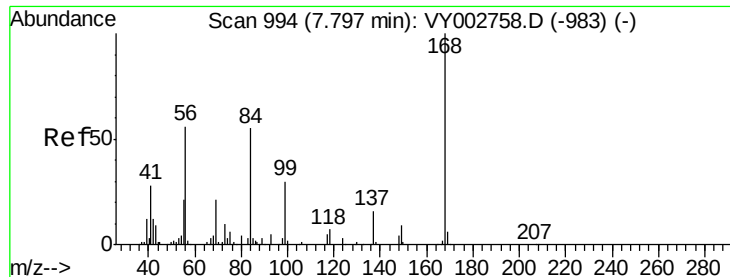
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY002927.D

Acq: 18 Jun 2020 18:23

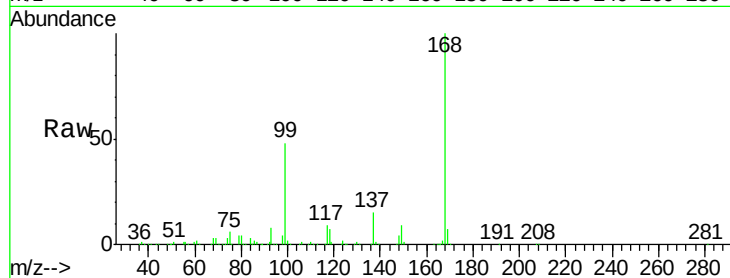
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 220660

Ion Ratio Lower Upper

168 100

99 47.9 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): VY002927.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY002927.D (-945) (-)

7.80

100000

80000

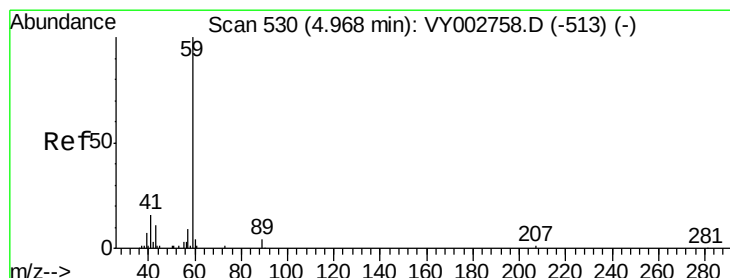
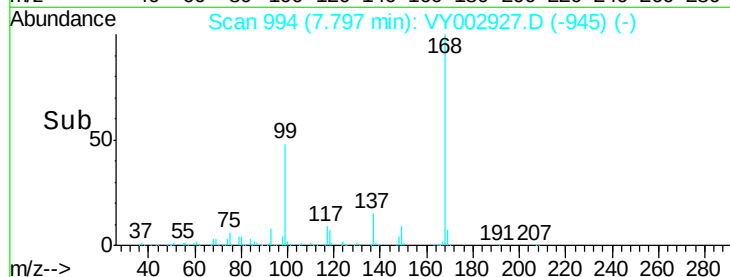
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.97 min Scan# 530

Delta R.T. -0.00 min

Lab File: VY002927.D

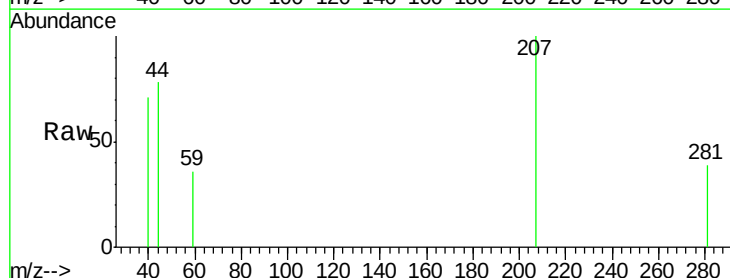
Acq: 18 Jun 2020 18:23

Tgt Ion: 59 Resp: 53

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VY002927.D (-481) (-)

Ion 57.00 (56.70 to 57.70): VY002927.D (-481) (-)

4.97

80

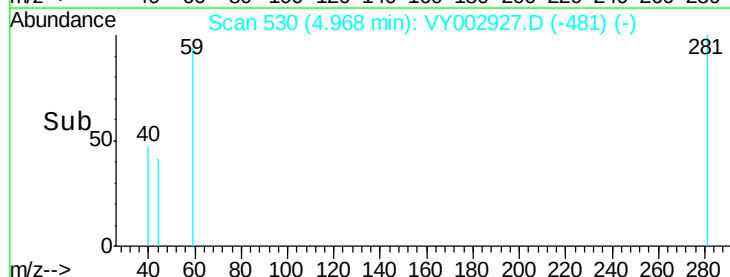
60

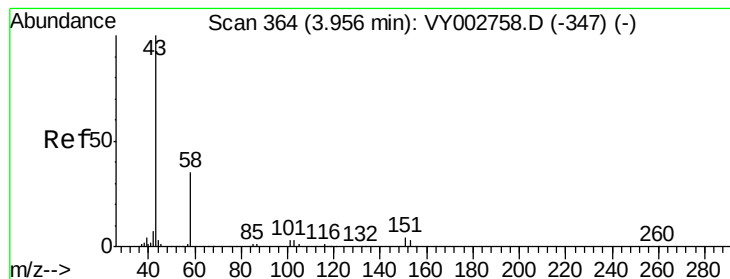
40

20

0

Time-->





#16

Acetone

Concen: 30.205 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY002927.D

Acq: 18 Jun 2020 18:23

Instrument :

MSVOA_Y

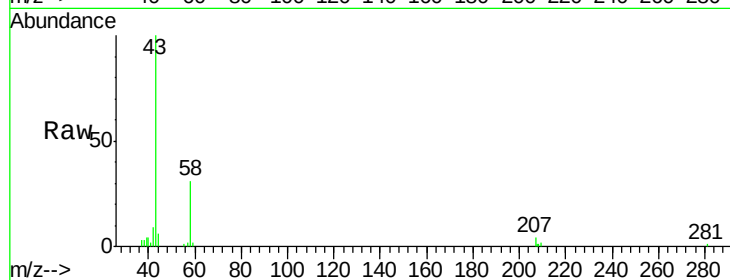
ClientSampleId :

Tot Ion: 43 Resp: 13570

Ion Ratio Lower Upper

43 100

58 31.4 27.7 41.5



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

3.96

4000

3000

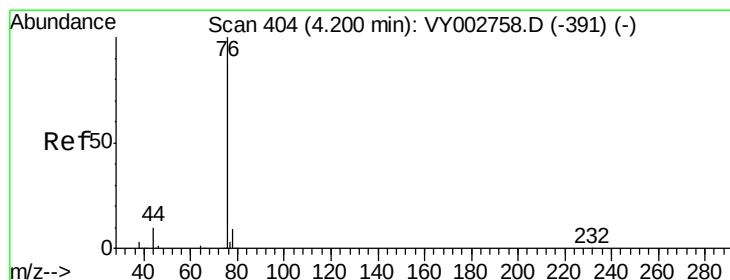
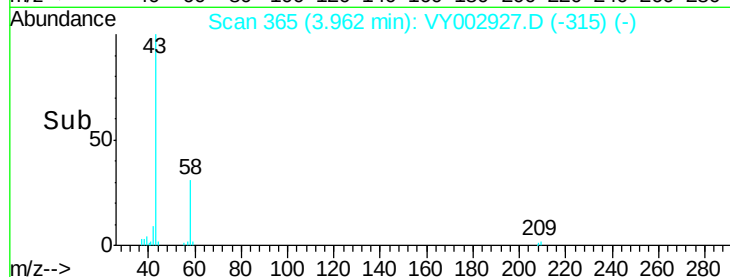
2000

1000

0

3.90 4.00 4.10

Time-->



#17

Carbon Disulfide

Concen: 2.897 ug/l

RT: 4.20 min Scan# 404

Delta R.T. -0.00 min

Lab File: VY002927.D

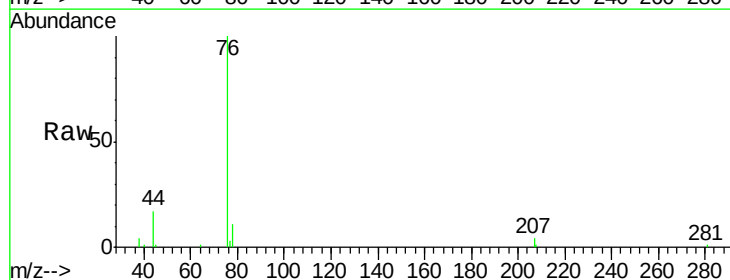
Acq: 18 Jun 2020 18:23

Tgt Ion: 76 Resp: 16433

Ion Ratio Lower Upper

76 100

78 10.9 6.9 10.3#



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

4.20

6000

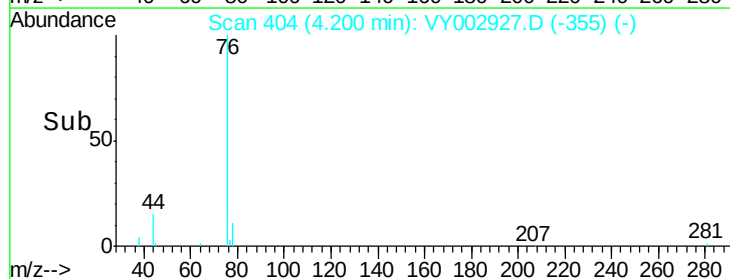
4000

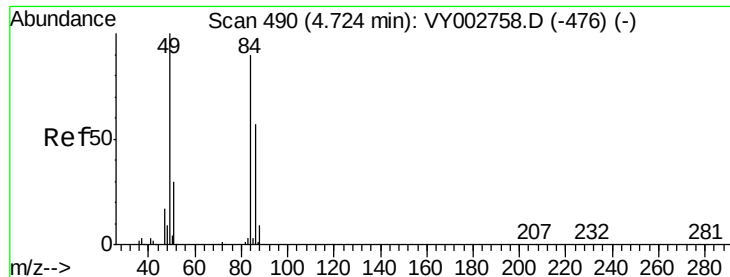
2000

0

4.10 4.20 4.30

Time-->

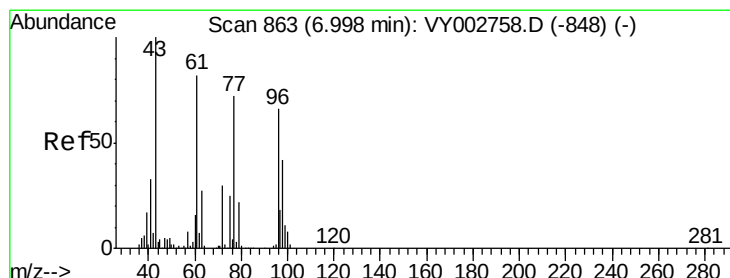
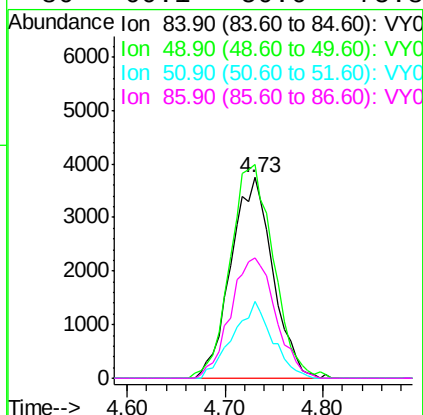
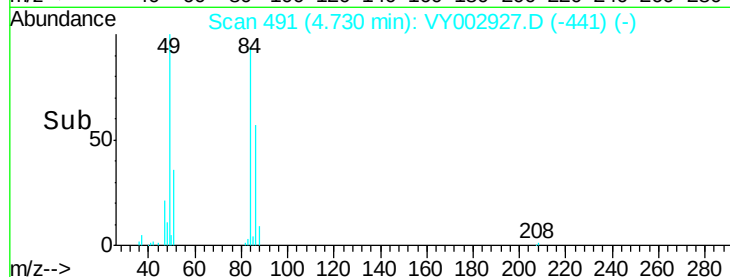
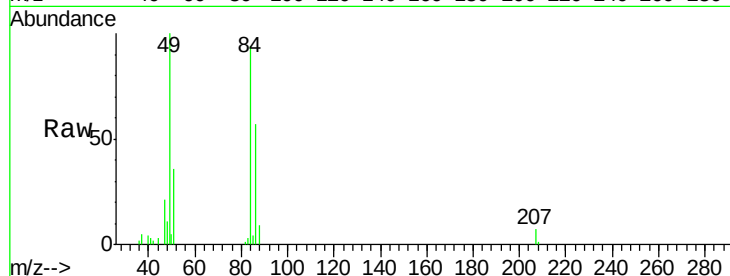




#20
Methylene Chloride
Concen: 5.069 ug/l
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY002927.D
Acq: 18 Jun 2020 18:23

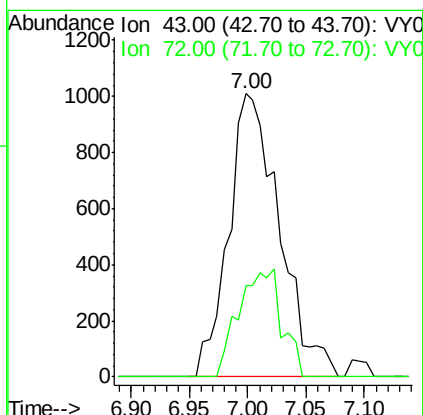
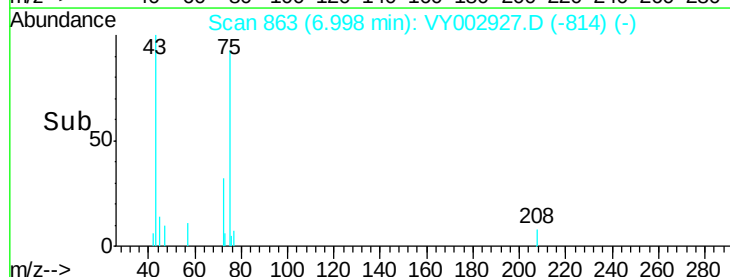
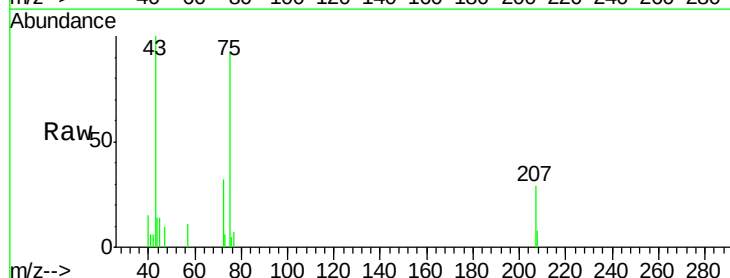
Instrument :
MSVOA_Y
ClientSampleId :

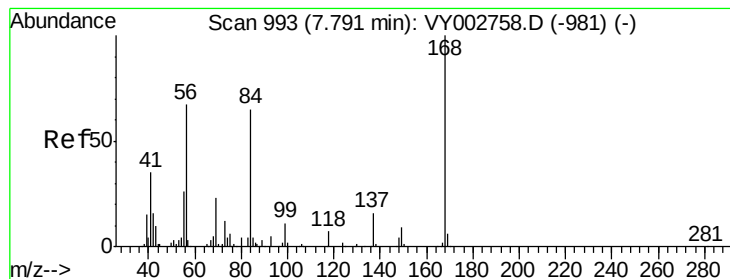
Tot Ion: 84 Resp: 11130
Ion Ratio Lower Upper
84 100
49 106.4 88.5 132.7
51 38.5 26.8 40.2
86 60.1 50.6 75.8



#25
2-Butanone
Concen: 4.383 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.00 min
Lab File: VY002927.D
Acq: 18 Jun 2020 18:23

Tgt Ion: 43 Resp: 3068
Ion Ratio Lower Upper
43 100
72 32.2 23.9 35.9





#31

Cyclohexane

Concen: 1.055 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

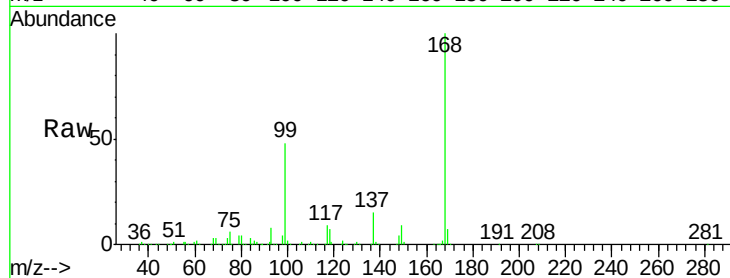
Lab File: VY002927.D

Acq: 18 Jun 2020 18:23

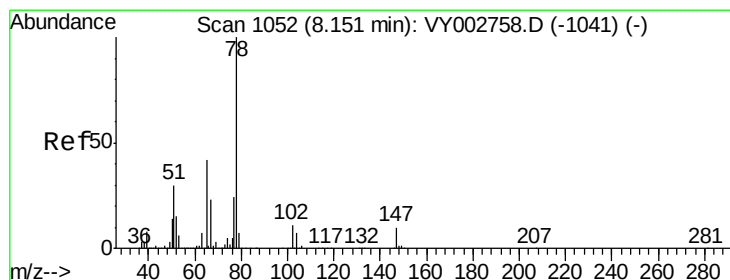
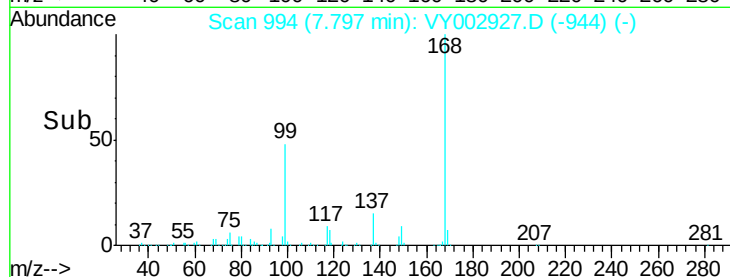
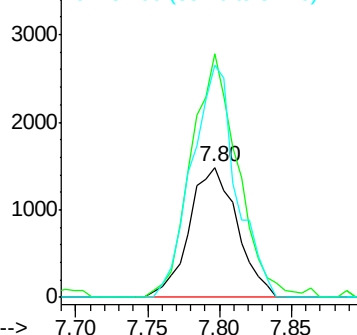
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 56 Resp: 3429

Ion	Ratio	Lower	Upper
56	100		
69	187.5	28.0	42.0#
84	179.2	77.7	116.5#



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: 58.032 ug/l

RT: 8.15 min Scan# 1052

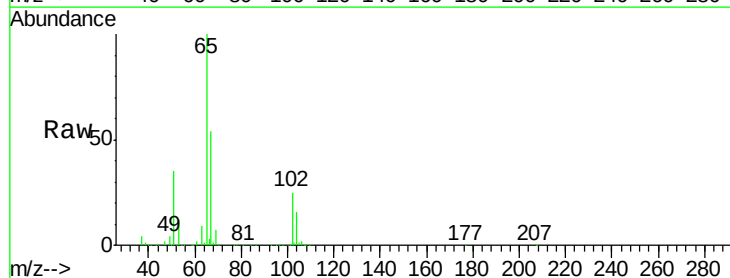
Delta R.T. -0.00 min

Lab File: VY002927.D

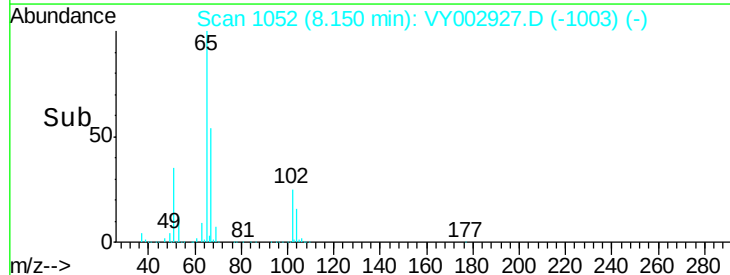
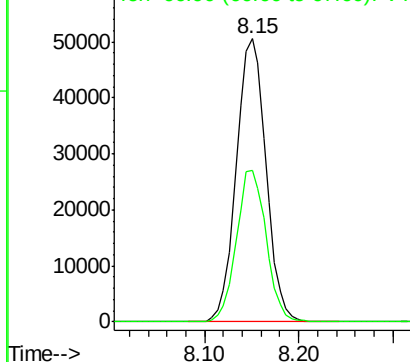
Acq: 18 Jun 2020 18:23

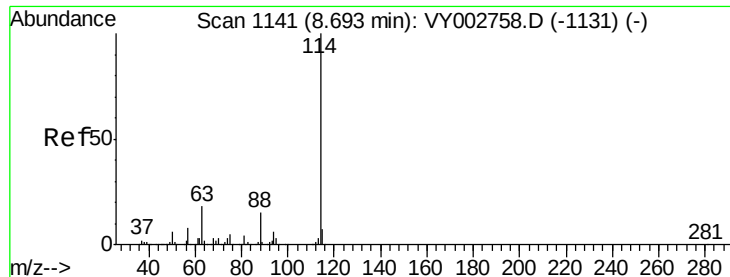
Tgt Ion: 65 Resp: 111187

Ion	Ratio	Lower	Upper
65	100		
67	53.9	0.0	111.0



Abundance Ion 64.90 (64.60 to 65.60): VY0
Ion 66.90 (66.60 to 67.60): VY0

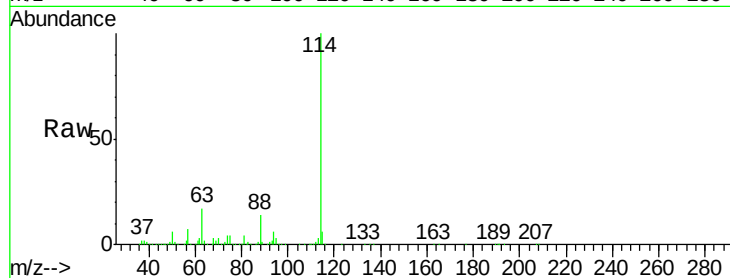




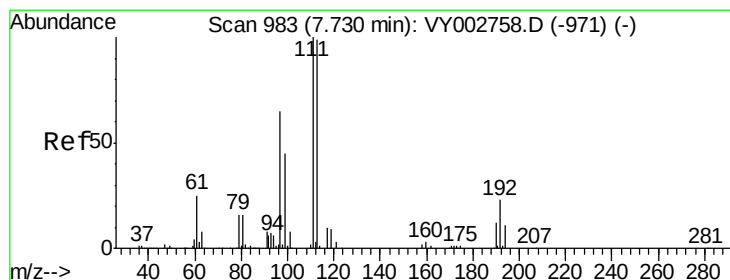
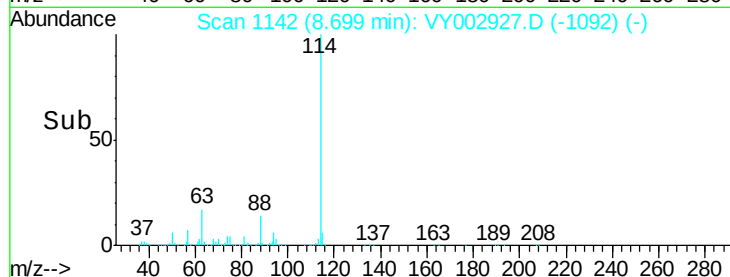
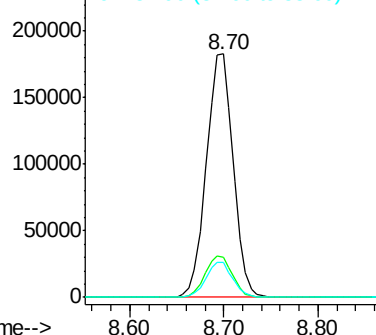
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. 0.01 min
 Lab File: VY002927.D
 Acq: 18 Jun 2020 18:23

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	16.6	0.0	35.2
88	14.2	0.0	29.2

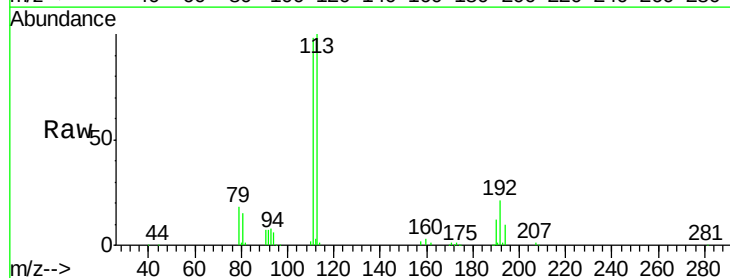


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

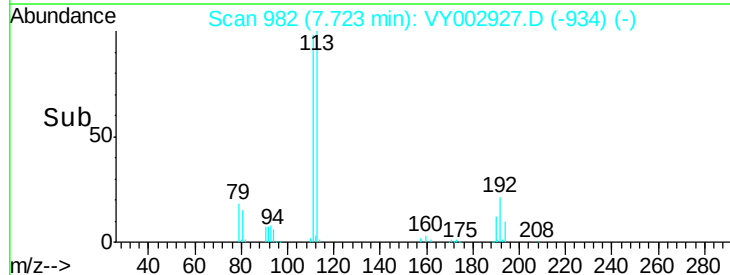
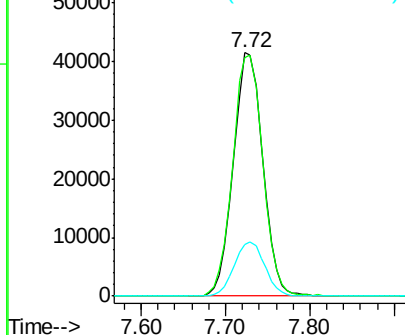


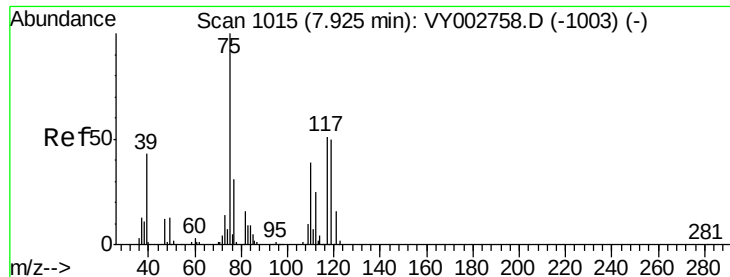
#35
 Dibromofluoromethane
 Concen: 46.190 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: VY002927.D
 Acq: 18 Jun 2020 18:23

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.1	82.0	123.0
192	23.0	18.9	28.3



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

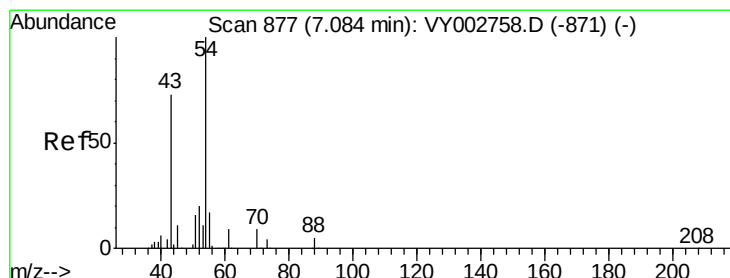
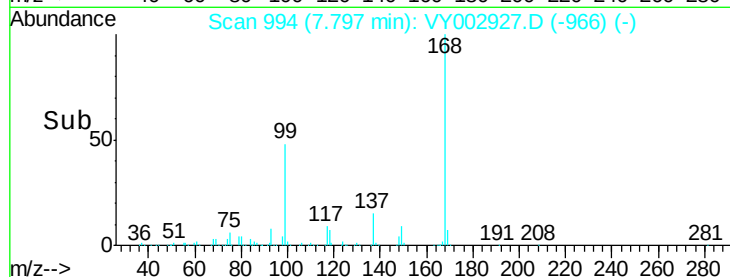
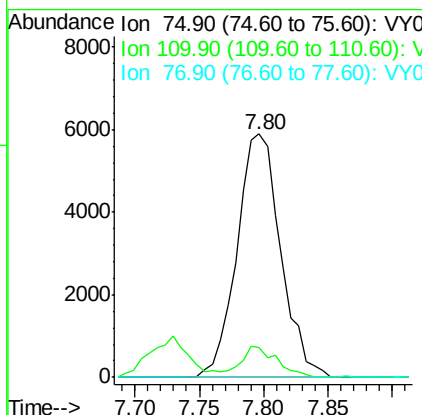
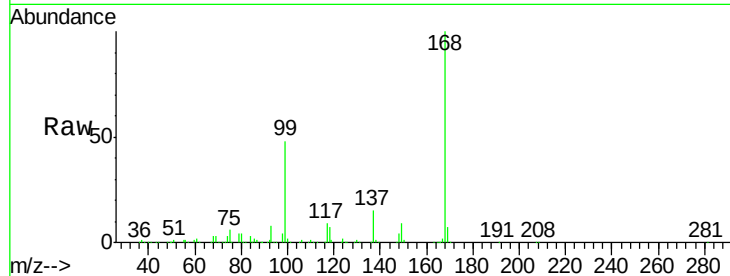




#36
 1,1-Dichloropropene
 Concen: 4.528 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY002927.D
 Acq: 18 Jun 2020 18:23

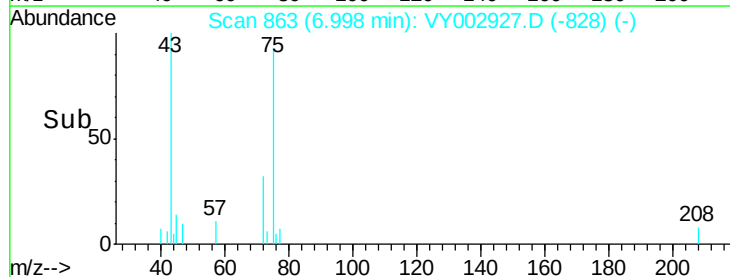
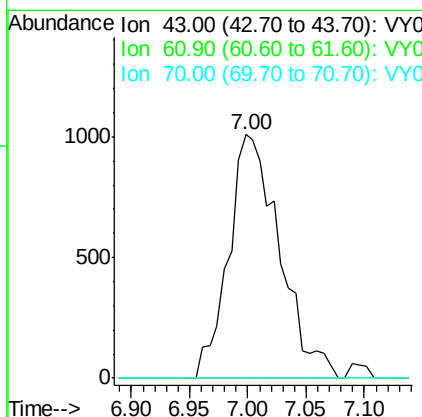
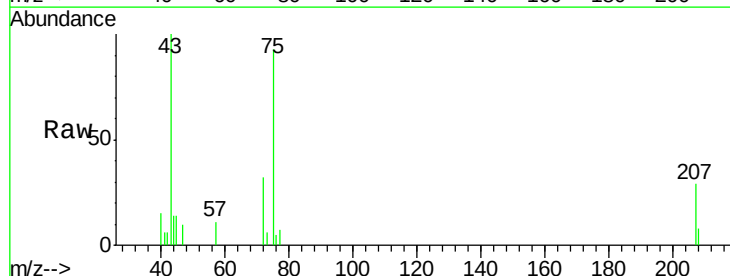
Instrument :
 MSVOA_Y
 ClientSampleId :

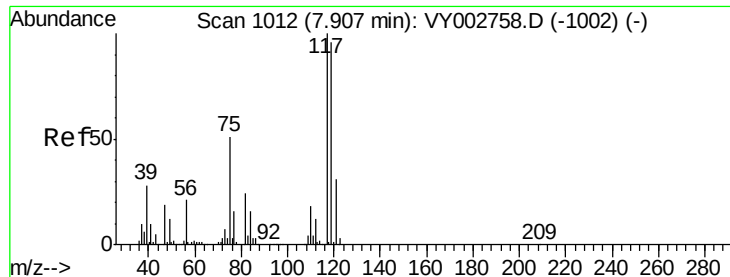
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.6	19.3	57.9#
77	0.0	24.8	37.2#



#37
 Ethyl Acetate
 Concen: 1.847 ug/l
 RT: 7.00 min Scan# 863
 Delta R.T. -0.09 min
 Lab File: VY002927.D
 Acq: 18 Jun 2020 18:23

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.9	17.9#
70	0.0	9.1	13.7#





#38

Carbon Tetrachloride

Concen: 5.777 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY002927.D

Acq: 18 Jun 2020 18:23

Instrument :

MSVOA_Y

ClientSampleId :

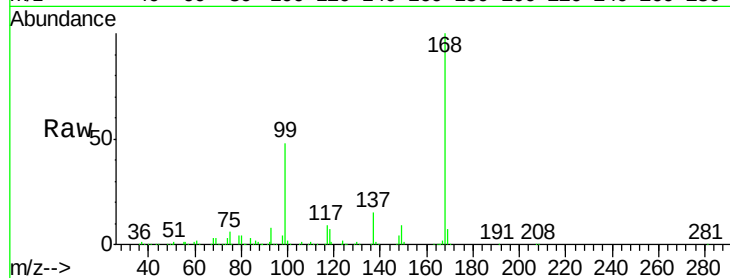
Tot Ion:117 Resp: 19588

Ion Ratio Lower Upper

117 100

119 6.2 76.8 115.2#

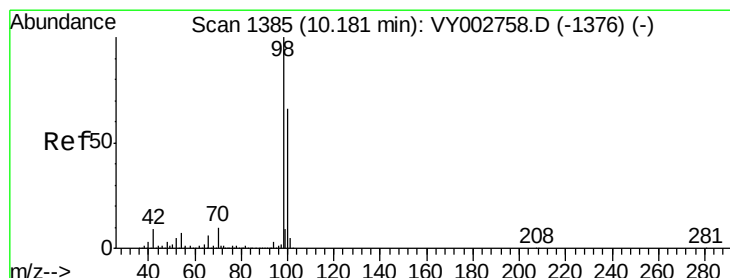
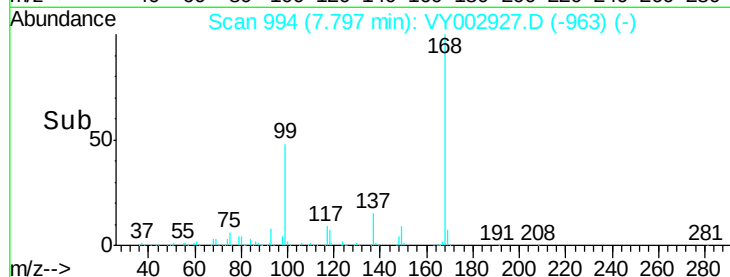
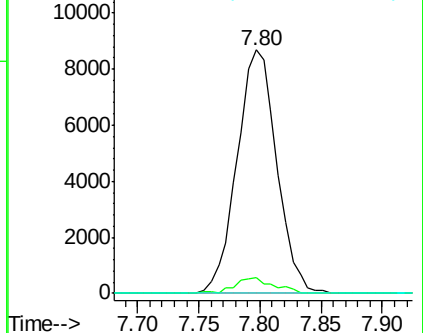
121 0.0 24.8 37.2#



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



#50

Toluene-d8

Concen: 51.065 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY002927.D

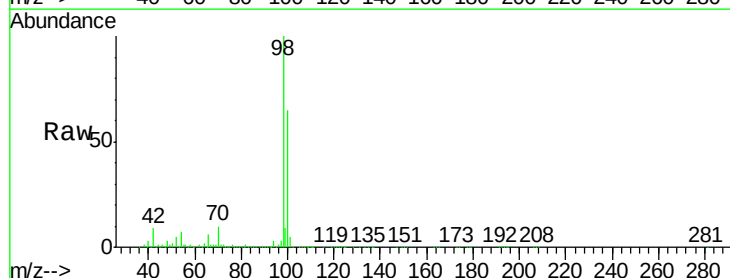
Acq: 18 Jun 2020 18:23

Tgt Ion: 98 Resp: 438435

Ion Ratio Lower Upper

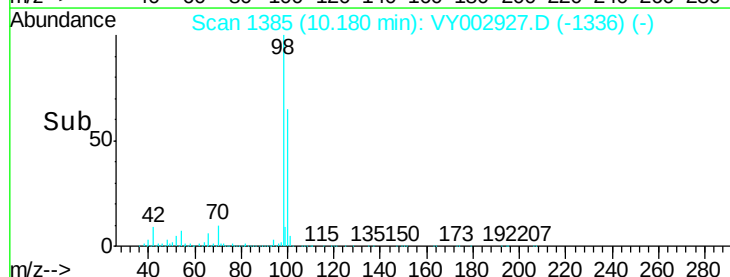
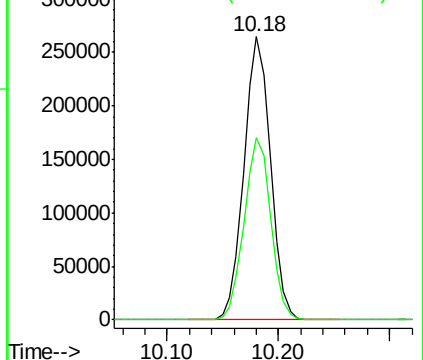
98 100

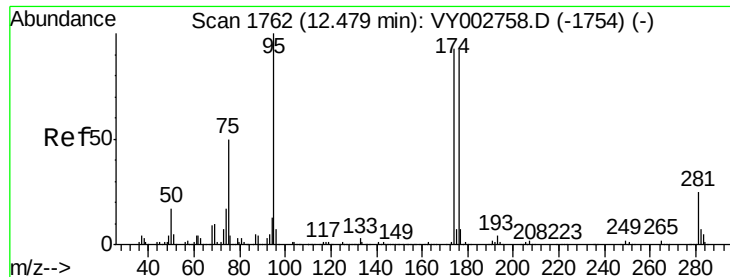
100 64.7 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

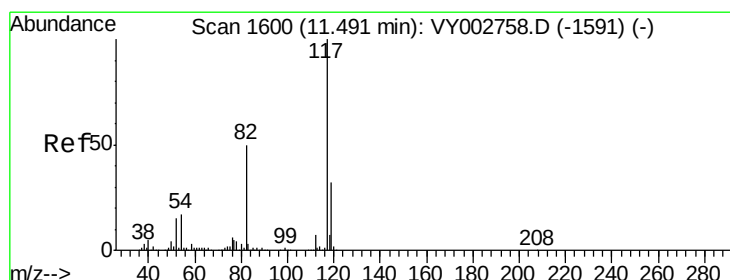
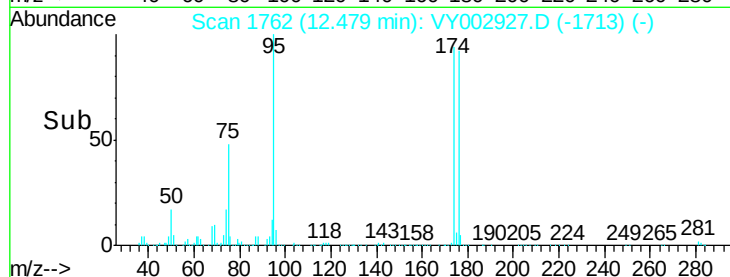
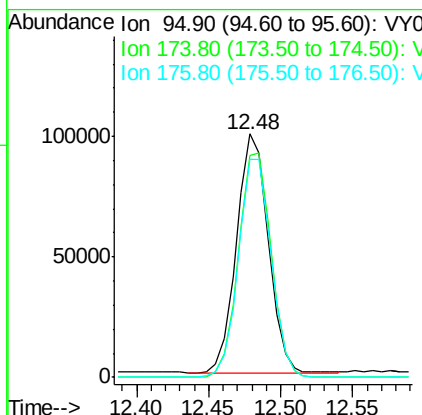
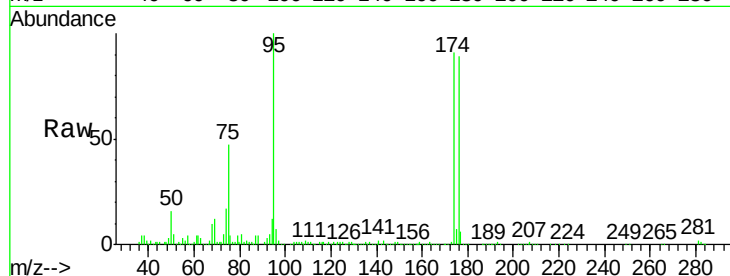




#62
4-Bromofluorobenzene
Concen: 51.814 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY002927.D
Acq: 18 Jun 2020 18:23

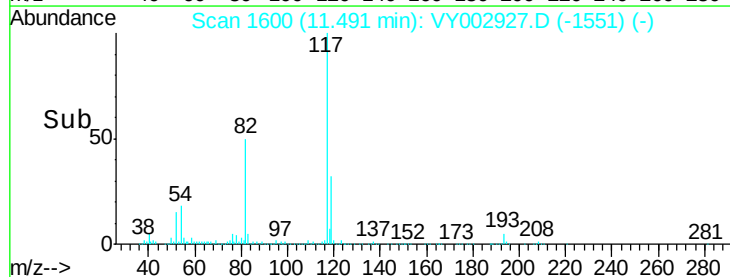
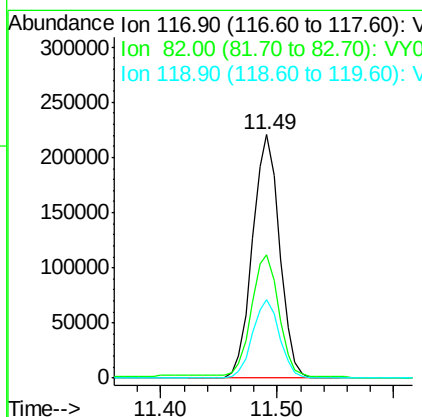
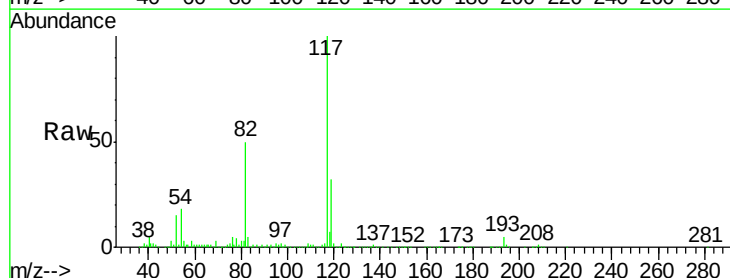
Instrument :
MSVOA_Y
ClientSampleId :

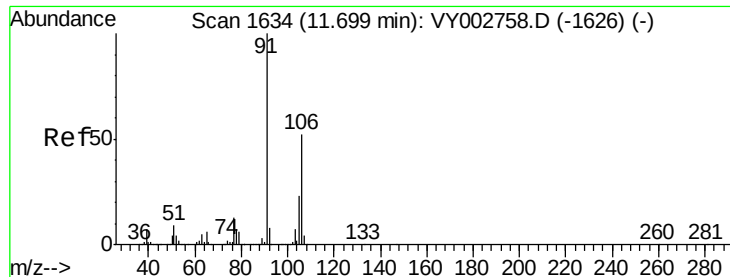
Tot Ion	Ratio	Lower	Upper
95	100		
174	96.7	0.0	191.2
176	93.8	0.0	188.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY002927.D
Acq: 18 Jun 2020 18:23

Tgt Ion	Ratio	Lower	Upper
117	100		
82	49.9	40.2	60.4
119	31.9	25.8	38.8





#68

m/p-Xylenes

Concen: 3.186 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. -0.00 min

Lab File: VY002927.D

Acq: 18 Jun 2020 18:23

Instrument :

MSVOA_Y

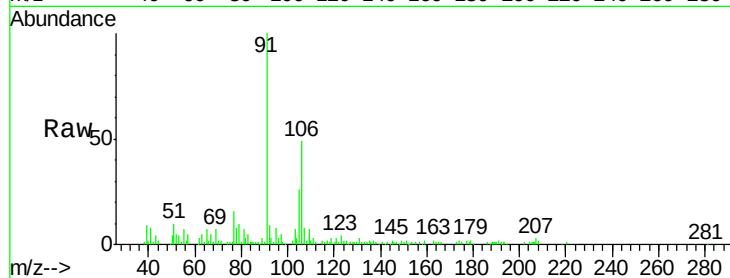
ClientSampleId :

Tot Ion:106 Resp: 15131

Ion Ratio Lower Upper

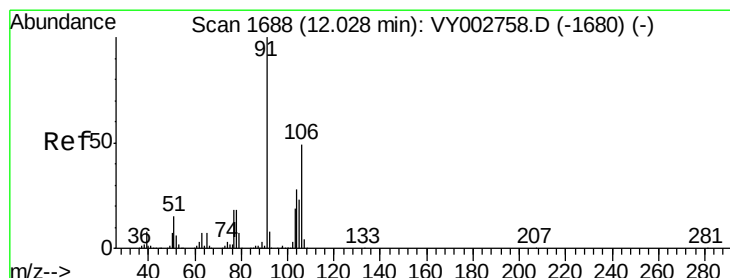
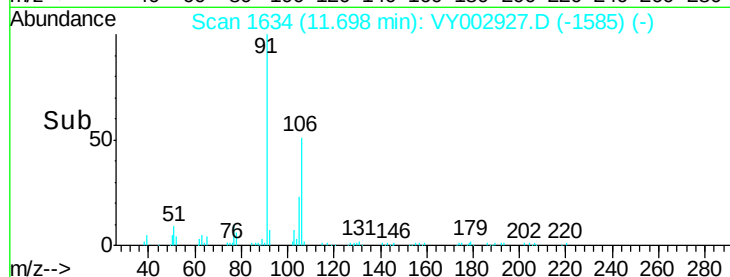
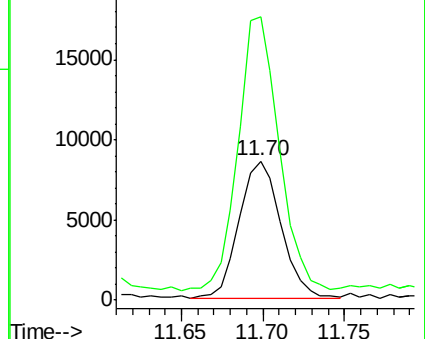
106 100

91 195.5 156.0 234.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#69

o-Xylene

Concen: 2.092 ug/l

RT: 12.03 min Scan# 1688

Delta R.T. -0.00 min

Lab File: VY002927.D

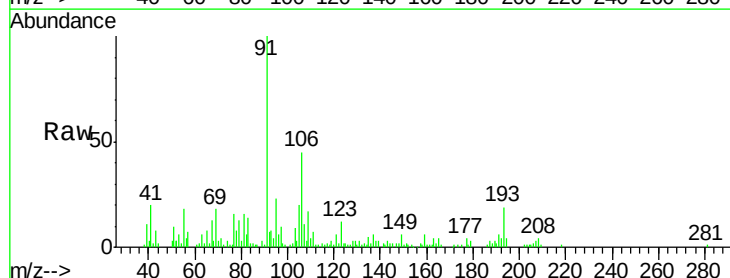
Acq: 18 Jun 2020 18:23

Tgt Ion:106 Resp: 9381

Ion Ratio Lower Upper

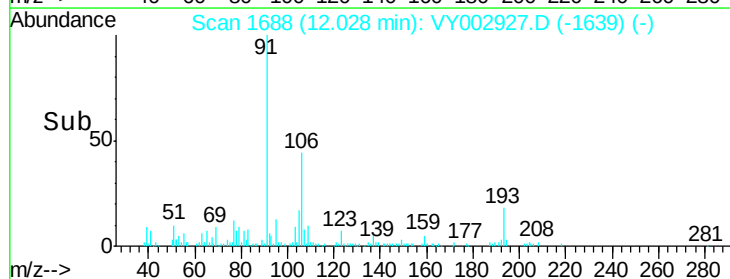
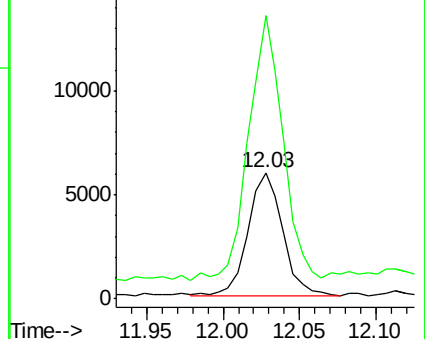
106 100

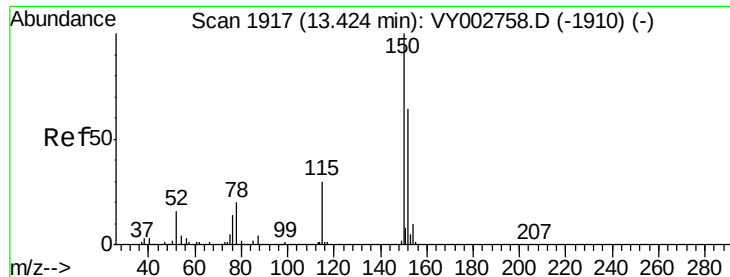
91 213.0 102.4 307.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



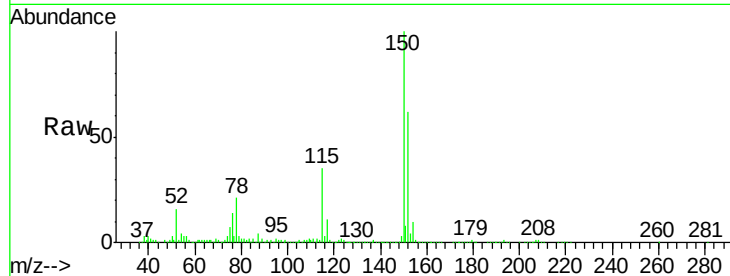


#72

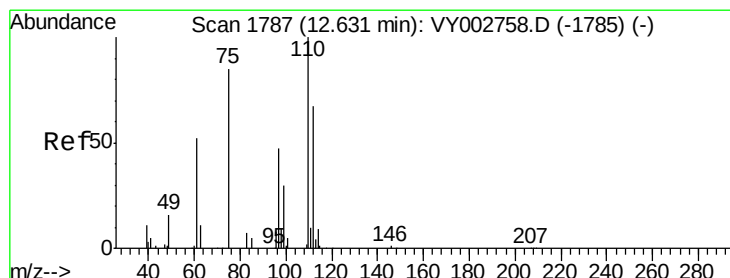
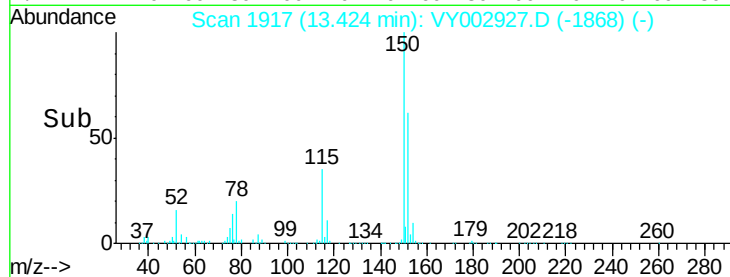
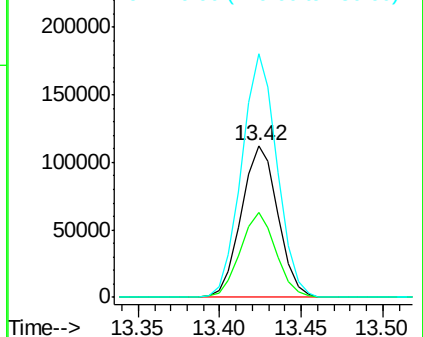
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY002927.D
Acq: 18 Jun 2020 18:23

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:152 Resp: 173579
Ion Ratio Lower Upper
152 100
115 53.9 27.0 81.0
150 156.4 0.0 344.8



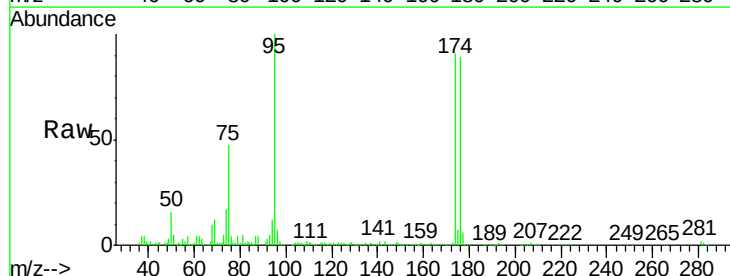
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



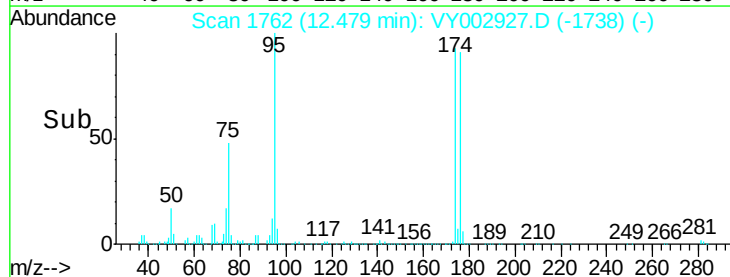
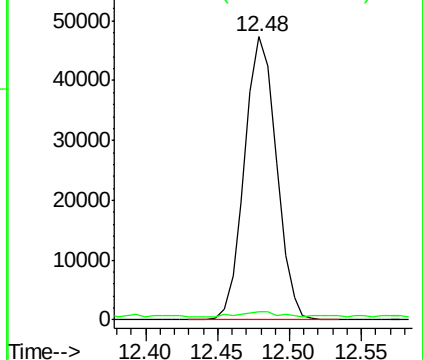
#76

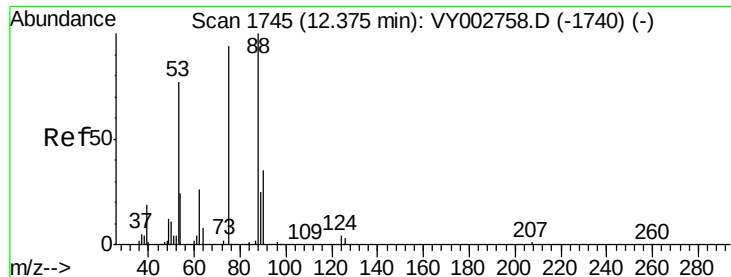
1,2,3-Trichloropropane
Concen: 46.512 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY002927.D
Acq: 18 Jun 2020 18:23

Tgt Ion: 75 Resp: 72747
Ion Ratio Lower Upper
75 100
77 2.2 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: 87.628 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY002927.D

Acq: 18 Jun 2020 18:23

Instrument :

MSVOA_Y

ClientSampleId :

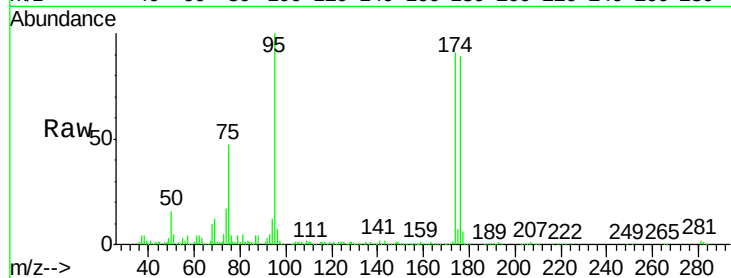
Tot Ion: 75 Resp: 72747

Ion Ratio Lower Upper

75 100

53 0.3 64.0 96.0#

89 0.1 37.4 56.2#



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

