

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY070220\
 Data File : VY003099.D
 Acq On : 02 Jul 2020 20:45
 Operator : SY/MD
 Sample : L3211-07
 Misc : 8.85G/5ML/MSVOA Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-7_11-11.5

Quant Time: Jul 03 02:40:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 30 04:11:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	309854	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	490569	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	465376	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	231521	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	162097	52.67	ug/l	0.00
Spiked Amount			Recovery	=	105.34%	
35) Dibromofluoromethane	7.72	113	155267	50.74	ug/l	0.00
Spiked Amount			Recovery	=	101.48%	
50) Toluene-d8	10.18	98	591939	51.92	ug/l	0.00
Spiked Amount			Recovery	=	103.84%	
62) 4-Bromofluorobenzene	12.48	95	206500	51.46	ug/l	0.00
Spiked Amount			Recovery	=	102.92%	

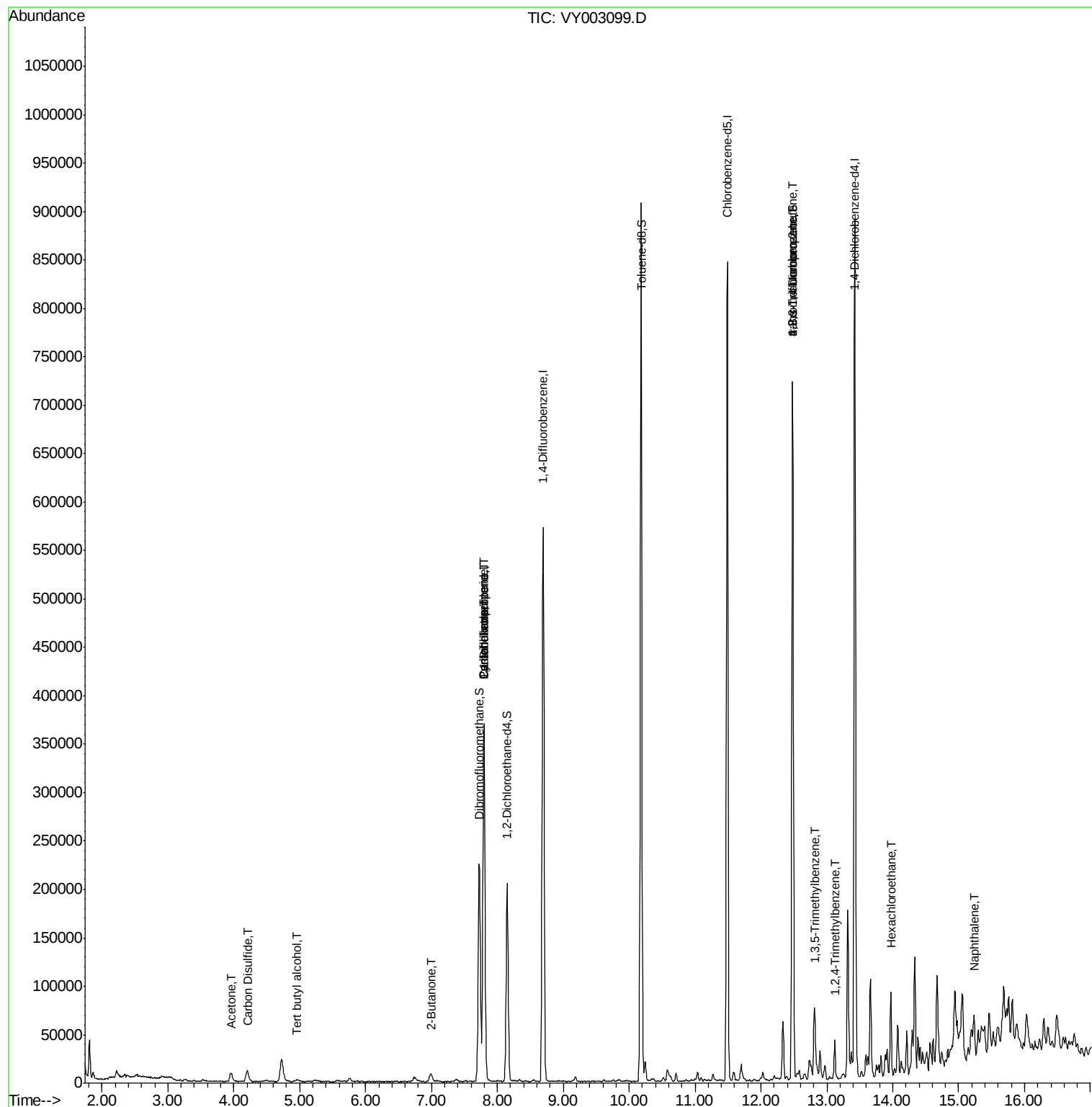
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.95	59	4199	13.388	ug/l #	76
16) Acetone	3.96	43	15595	21.486	ug/l	95
17) Carbon Disulfide	4.21	76	18901	2.201	ug/l	96
20) Methylene Chloride	4.72	84	17736	Below Cal		85
25) 2-Butanone	7.00	43	2727	2.365	ug/l #	70
31) Cyclohexane	7.79	56	5655	1.045	ug/l #	1
36) 1,1-Dichloropropene	7.79	75	20851	4.413	ug/l #	50
38) Carbon Tetrachloride	7.79	117	27533	5.600	ug/l #	17
76) 1,2,3-Trichloropropane	12.48	75	104254	45.499	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.81	105	33300	2.619	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.48	75	104254	88.522	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.12	105	19655	1.534	ug/l	100
90) Hexachloroethane	13.97	117	4176	1.475	ug/l #	4
95) Naphthalene	15.23	128	19005	2.152	ug/l #	88

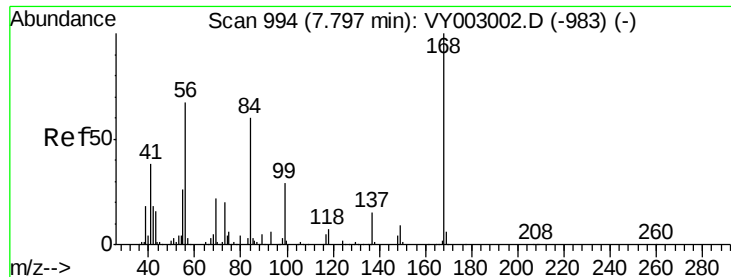
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY003099.D

Acq: 02 Jul 2020 20:45

Instrument :

MSVOA_Y

ClientSampleId :

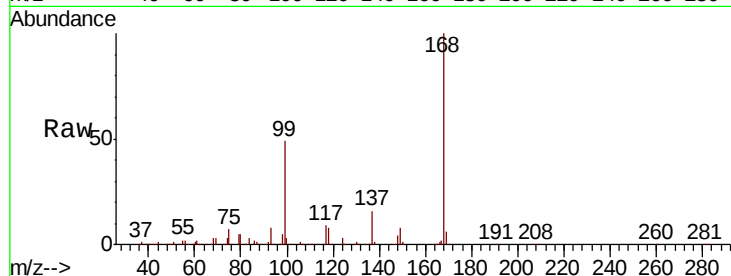
SB-7_11-11.5

Tot Ion:168 Resp: 309854

Ion Ratio Lower Upper

168 100

99 49.0 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY003099.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003099.D (-945) (-)

7.80

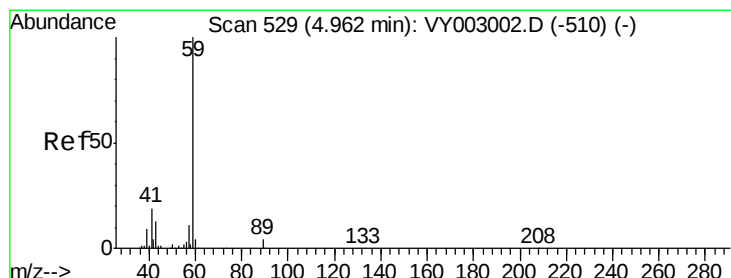
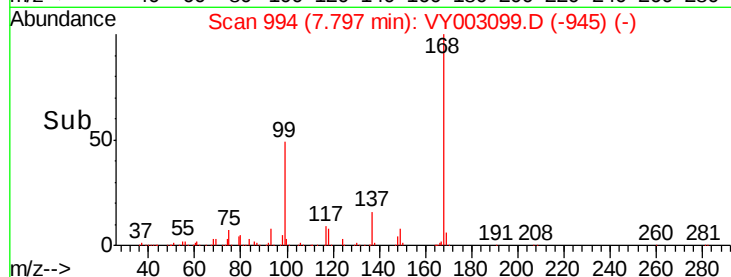
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 13.388 ug/l

RT: 4.95 min Scan# 527

Delta R.T. -0.01 min

Lab File: VY003099.D

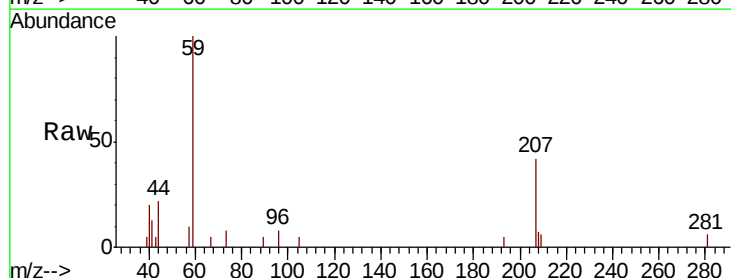
Acq: 02 Jul 2020 20:45

Tgt Ion: 59 Resp: 4199

Ion Ratio Lower Upper

59 100

57 1.0 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VY003099.D (-480) (-)

Ion 57.00 (56.70 to 57.70): VY003099.D (-480) (-)

4.95

1200

1000

800

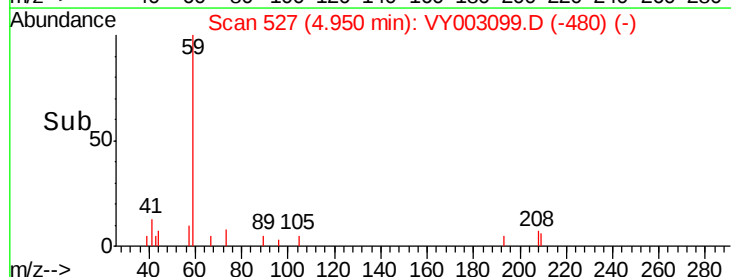
600

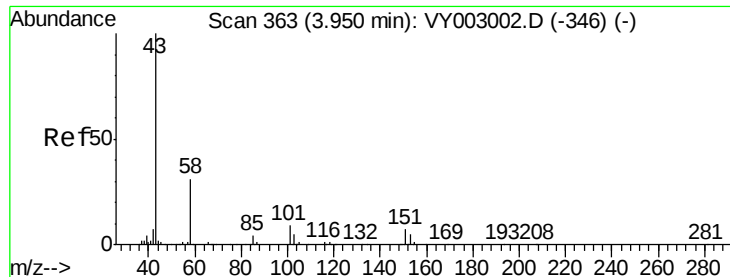
400

200

0

Time-->





#16

Acetone

Concen: 21.486 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY003099.D

Acq: 02 Jul 2020 20:45

Instrument :

MSVOA_Y

ClientSampleId :

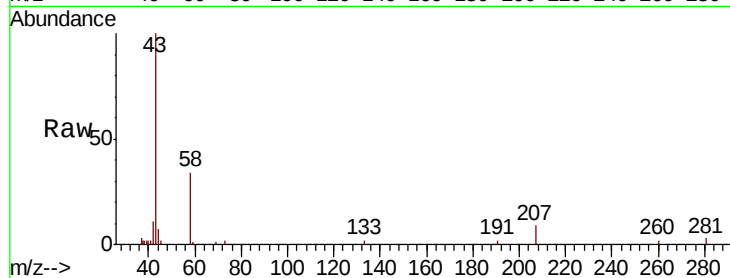
SB-7_11-11.5

Tot Ion: 43 Resp: 15595

Ion Ratio Lower Upper

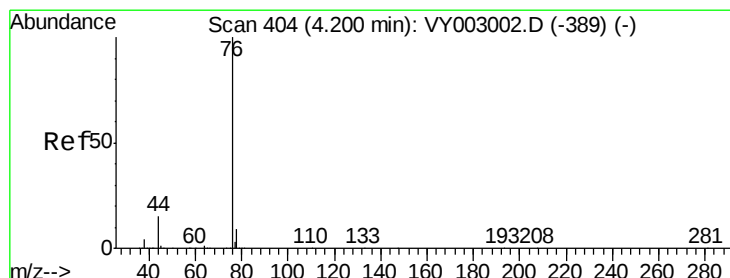
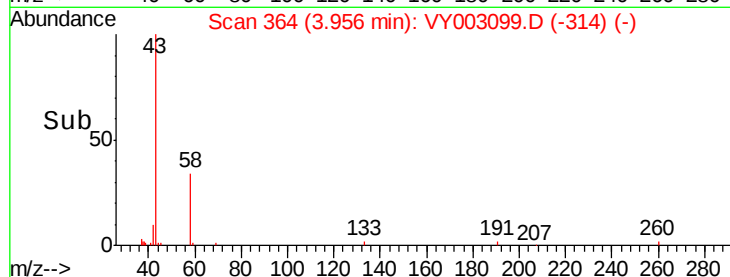
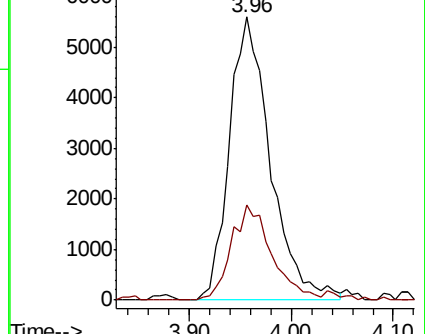
43 100

58 33.6 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VY003002.D (-346) (-)

Ion 58.00 (57.70 to 58.70): VY003002.D (-346) (-)



#17

Carbon Disulfide

Concen: 2.201 ug/l

RT: 4.21 min Scan# 405

Delta R.T. 0.01 min

Lab File: VY003099.D

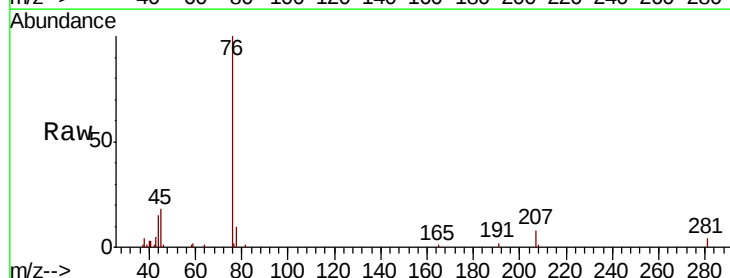
Acq: 02 Jul 2020 20:45

Tgt Ion: 76 Resp: 18901

Ion Ratio Lower Upper

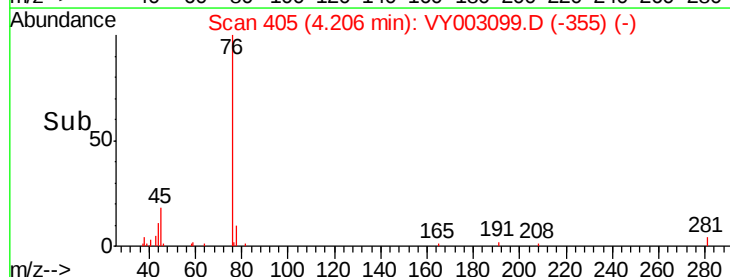
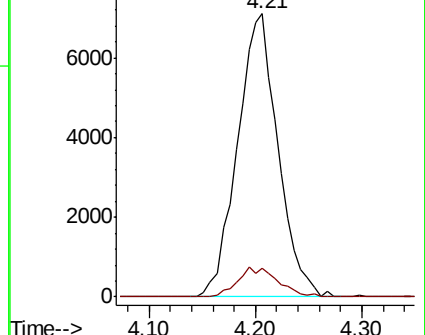
76 100

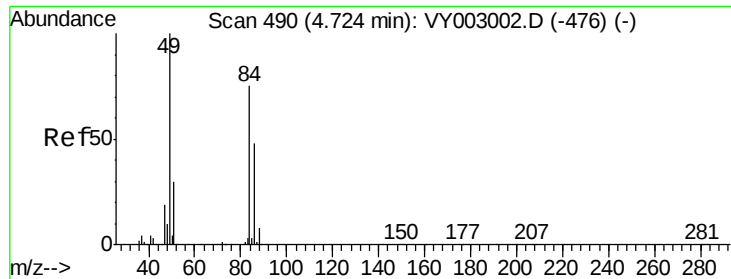
78 10.3 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VY003002.D (-389) (-)

Ion 77.90 (77.60 to 78.60): VY003002.D (-389) (-)

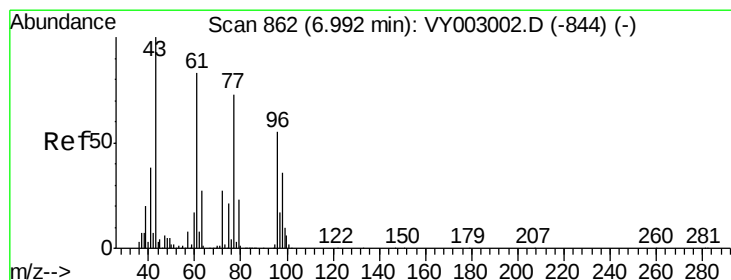
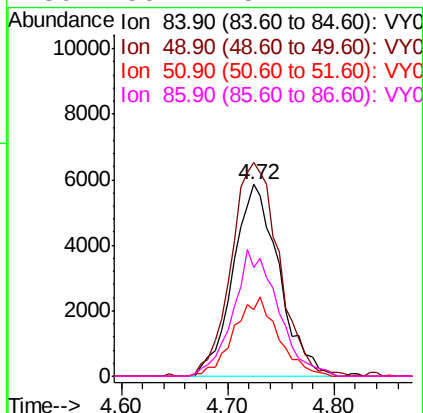
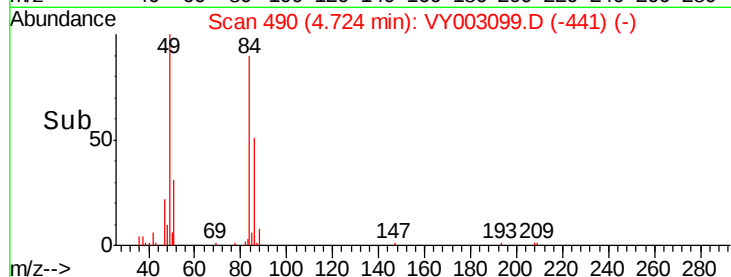
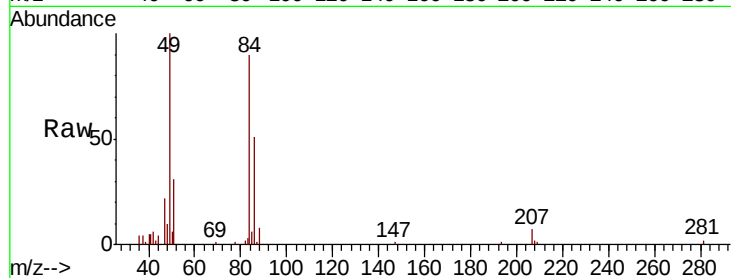




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY003099.D
Acq: 02 Jul 2020 20:45

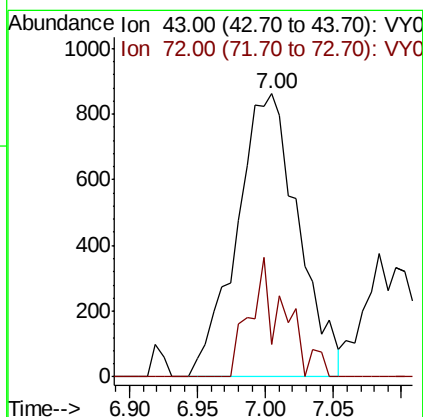
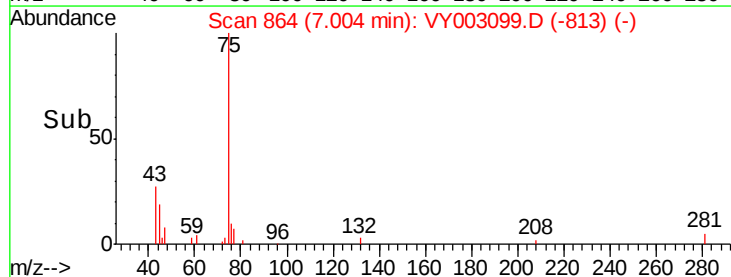
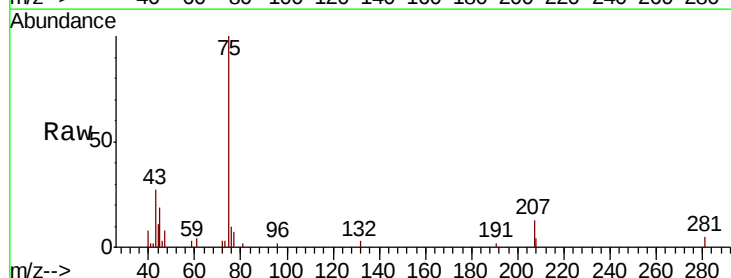
Instrument :
MSVOA_Y
ClientSampleId :
SB-7_11-11.5

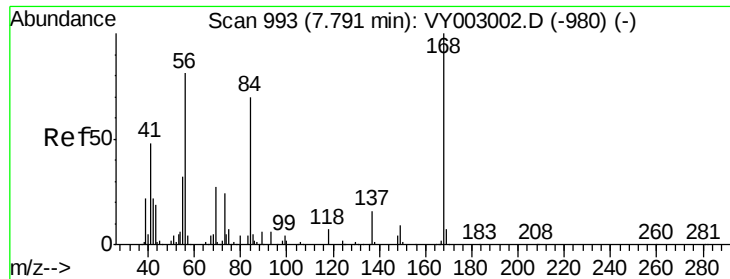
Tot Ion: 84 Resp: 17736
Ion Ratio Lower Upper
84 100
49 111.4 106.8 160.2
51 34.6 32.0 48.0
86 56.4 51.4 77.2



#25
2-Butanone
Concen: 2.365 ug/l
RT: 7.00 min Scan# 864
Delta R.T. 0.01 min
Lab File: VY003099.D
Acq: 02 Jul 2020 20:45

Tgt Ion: 43 Resp: 2727
Ion Ratio Lower Upper
43 100
72 11.4 21.4 32.0#

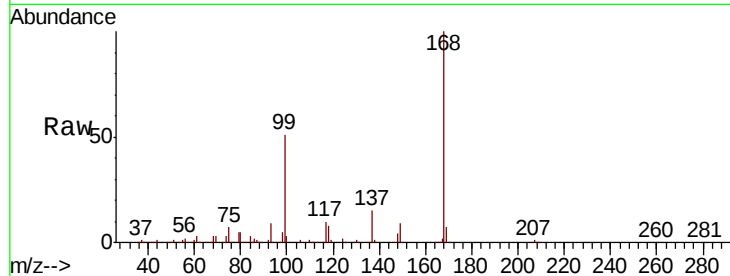




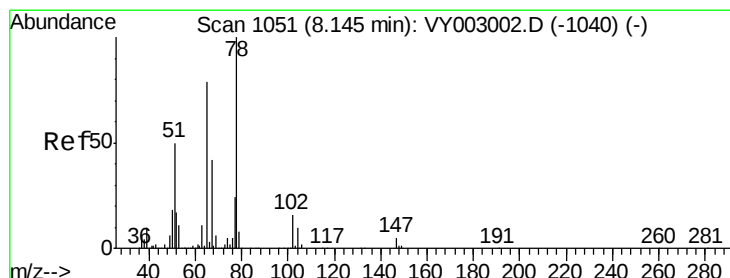
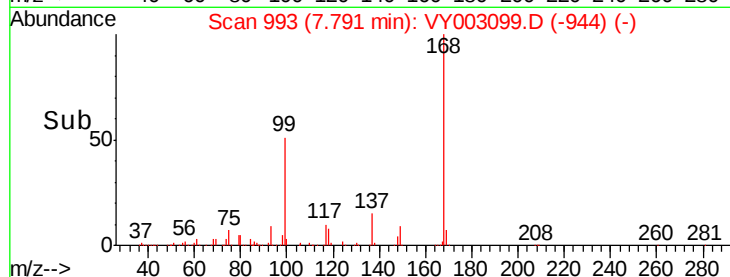
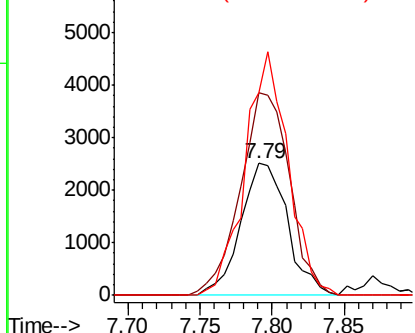
#31
Cyclohexane
Concen: 1.045 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.00 min
Lab File: VY003099.D
Acq: 02 Jul 2020 20:45

Instrument :
MSVOA_Y
ClientSampleId :
SB-7_11-11.5

Tot Ion: 56 Resp: 5655
Ion Ratio Lower Upper
56 100
69 153.4 27.0 40.4#
84 153.8 68.1 102.1#

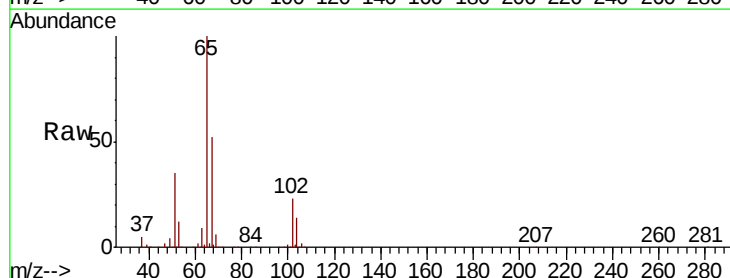


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

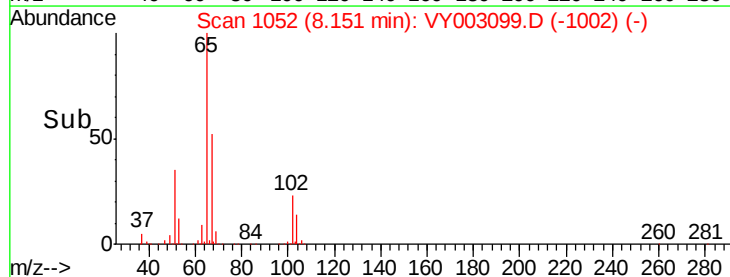
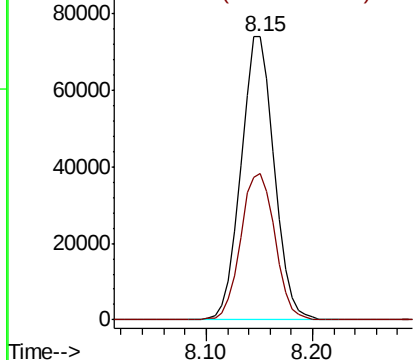


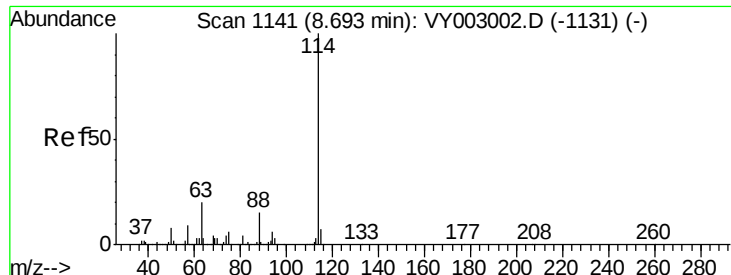
#33
1,2-Dichloroethane-d4
Concen: 52.672 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VY003099.D
Acq: 02 Jul 2020 20:45

Tgt Ion: 65 Resp: 162097
Ion Ratio Lower Upper
65 100
67 53.3 0.0 105.6



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

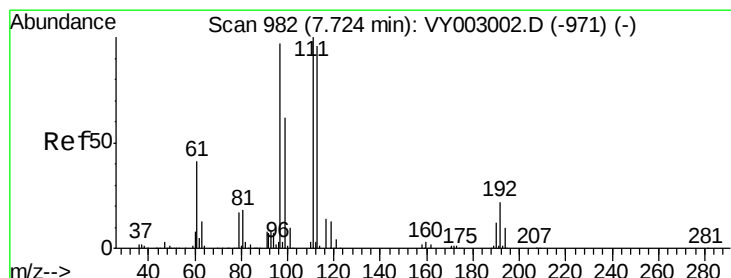
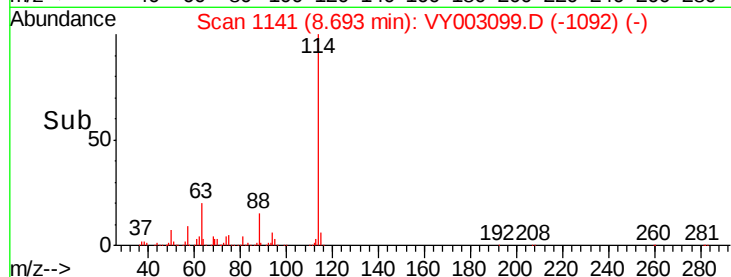
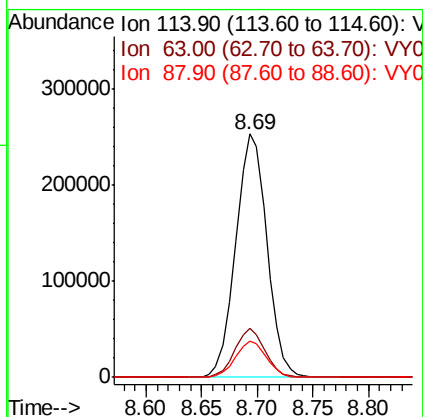
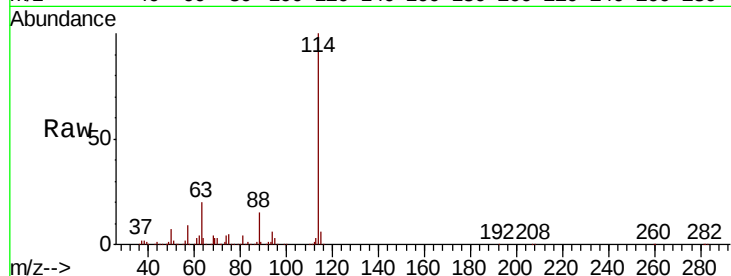




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY003099.D
 Acq: 02 Jul 2020 20:45

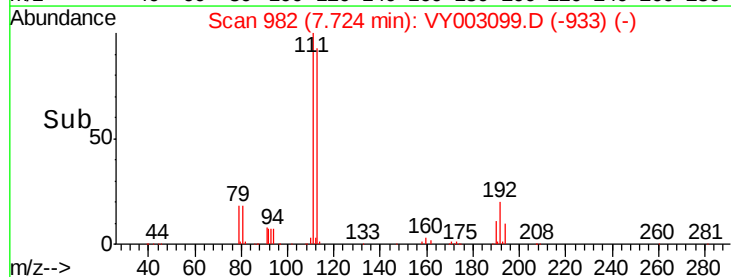
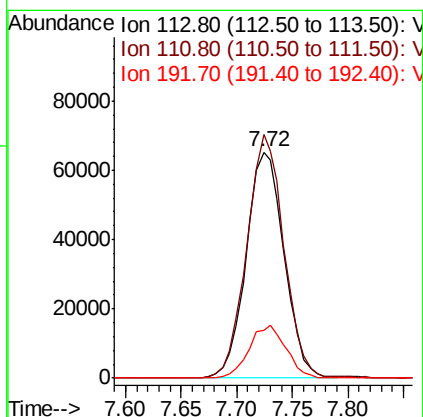
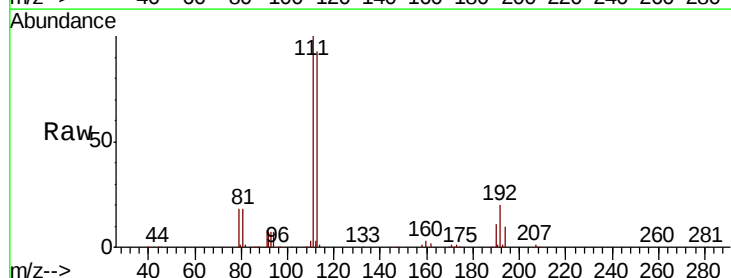
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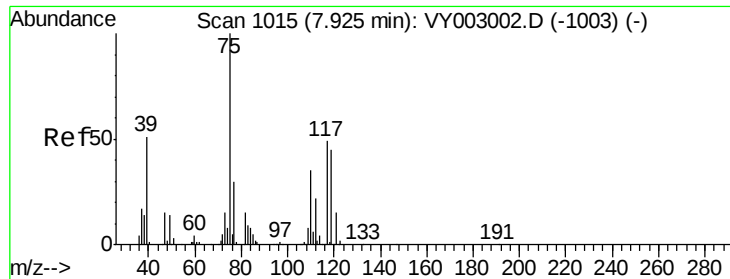
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	40.6
88	14.8	0.0	30.0



#35
 Dibromofluoromethane
 Concen: 50.737 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VY003099.D
 Acq: 02 Jul 2020 20:45

Tgt Ion	Ratio	Lower	Upper
113	100		
111	105.5	82.6	123.8
192	22.9	18.1	27.1

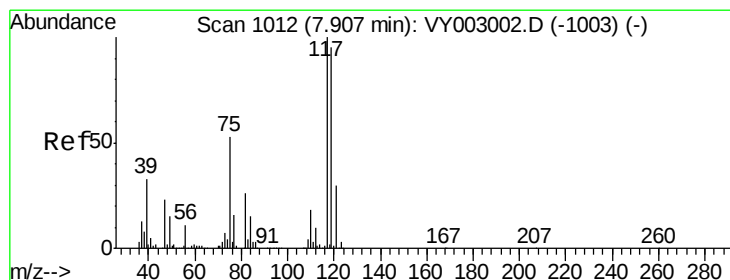
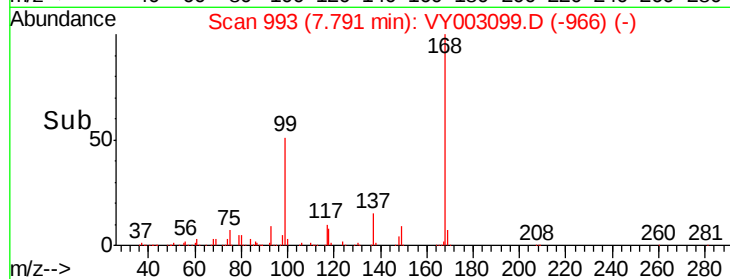
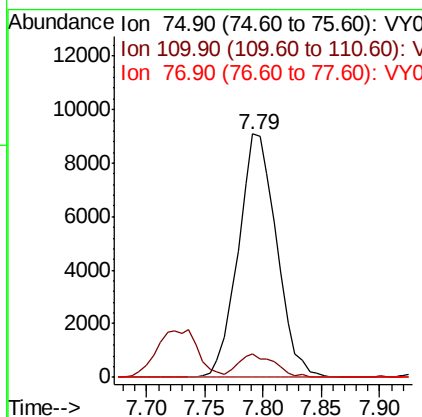
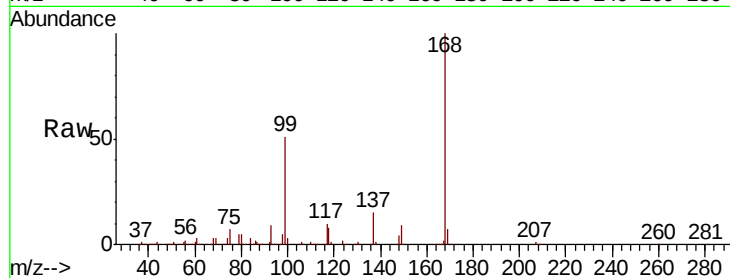




#36
 1,1-Dichloropropene
 Concen: 4.413 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VY003099.D
 Acq: 02 Jul 2020 20:45

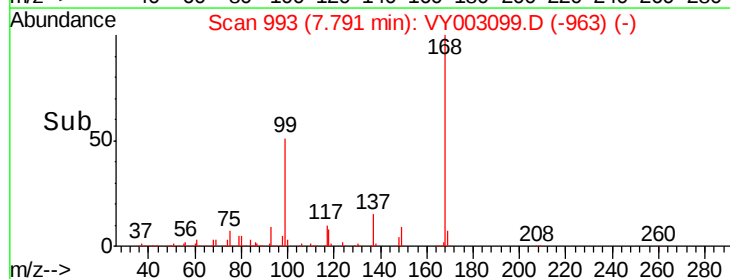
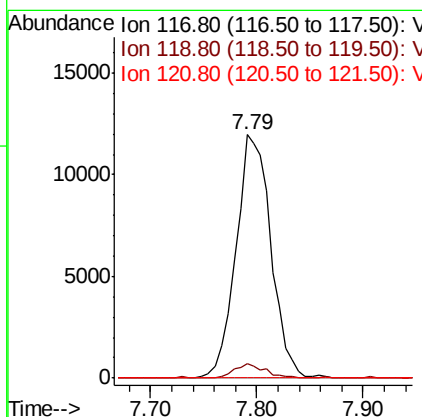
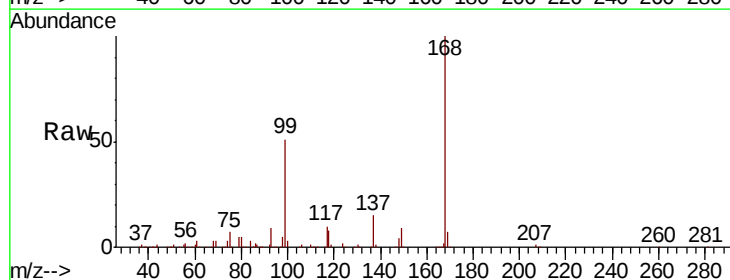
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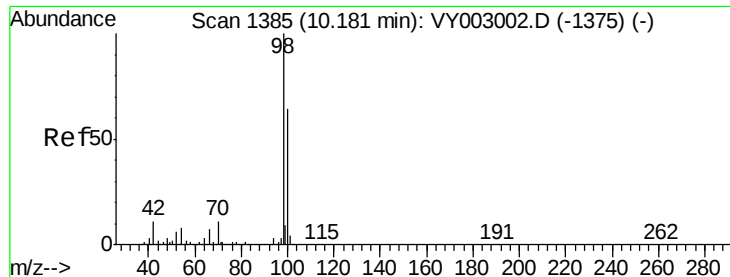
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.1	17.1	51.2#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 5.600 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.12 min
 Lab File: VY003099.D
 Acq: 02 Jul 2020 20:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.1	75.7	113.5#
121	0.0	23.9	35.9#





#50

Toluene-d8

Concen: 51.921 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003099.D

Acq: 02 Jul 2020 20:45

Instrument :

MSVOA_Y

ClientSampleId :

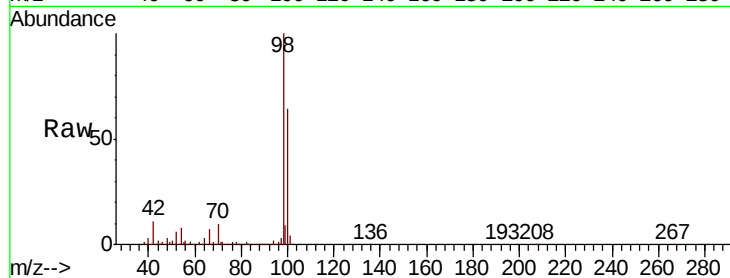
SB-7_11-11.5

Tot Ion: 98 Resp: 591939

Ion Ratio Lower Upper

98 100

100 64.2 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

10.18

400000

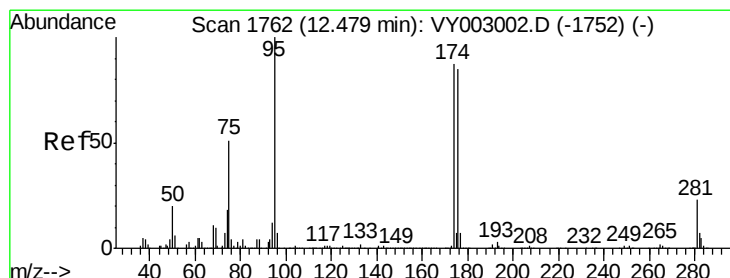
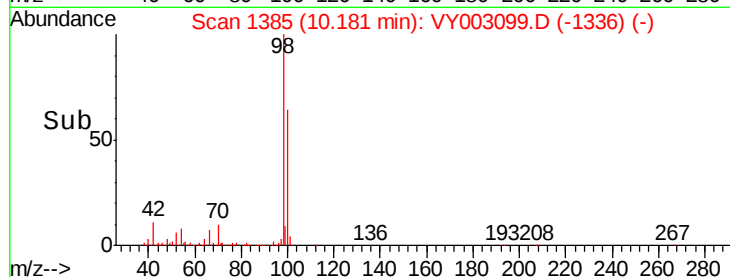
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 51.456 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003099.D

Acq: 02 Jul 2020 20:45

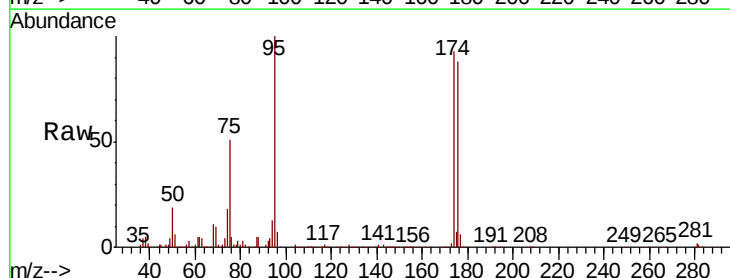
Tgt Ion: 95 Resp: 206500

Ion Ratio Lower Upper

95 100

174 94.1 0.0 184.8

176 91.4 0.0 183.0



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

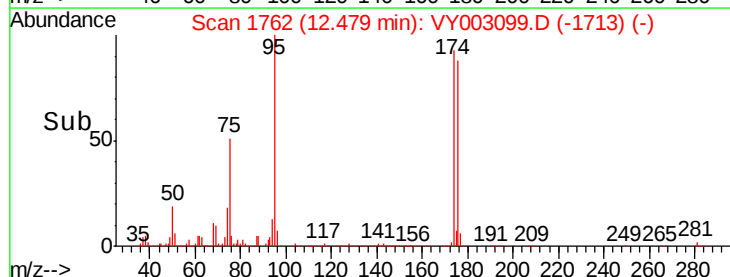
150000

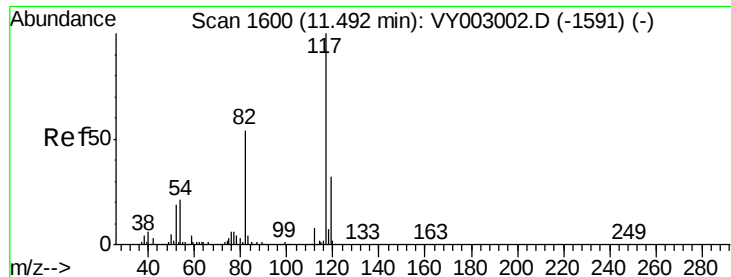
100000

50000

0

Time-->

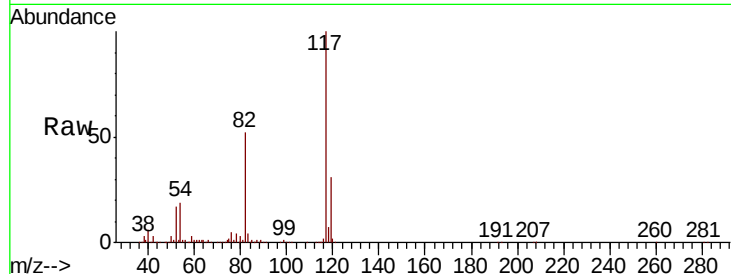




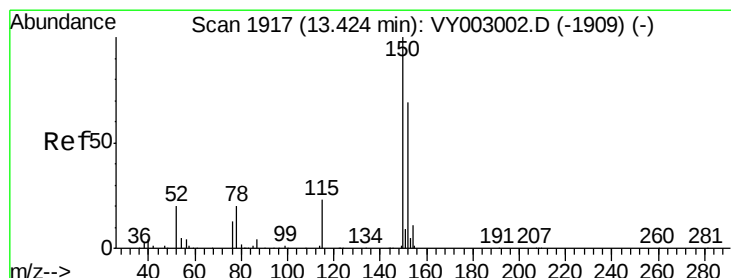
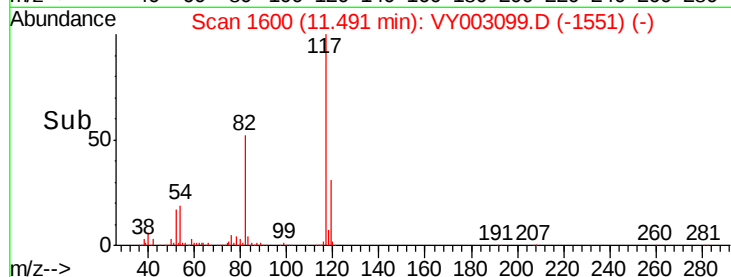
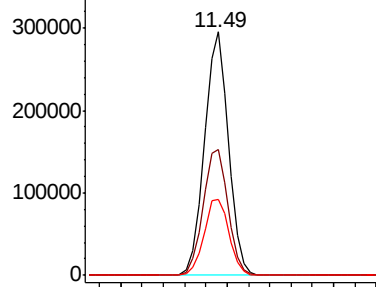
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003099.D
Acq: 02 Jul 2020 20:45

Instrument :
MSVOA_Y
ClientSampleId :
SB-7_11-11.5

Tot Ion:117 Resp: 465376
Ion Ratio Lower Upper
117 100
82 51.8 43.0 64.6
119 31.1 25.8 38.8

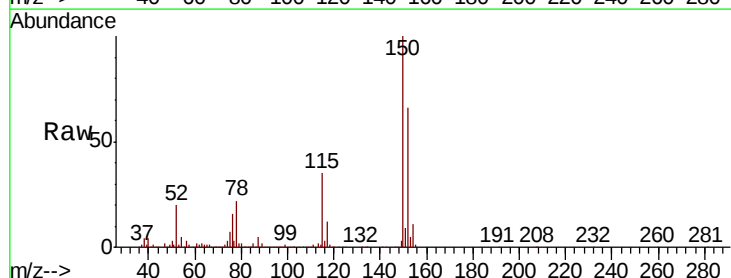


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

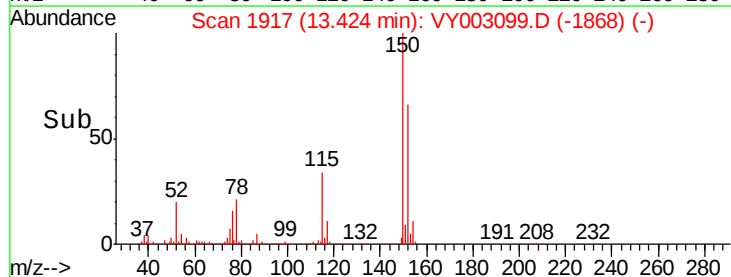
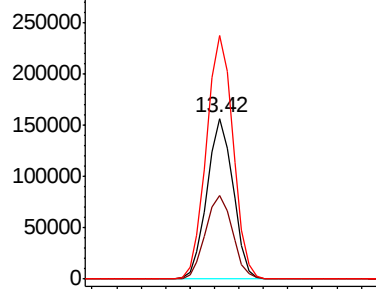


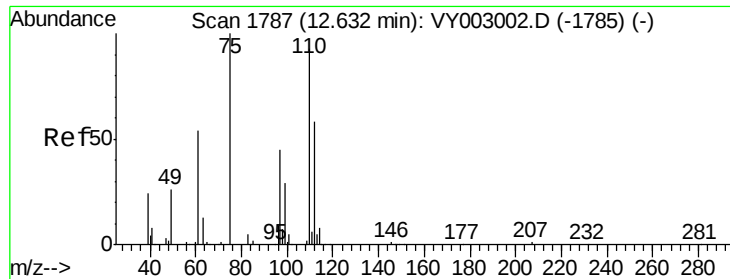
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003099.D
Acq: 02 Jul 2020 20:45

Tgt Ion:152 Resp: 231521
Ion Ratio Lower Upper
152 100
115 54.2 27.3 81.9
150 155.3 0.0 343.4



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: 45.499 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003099.D

Acq: 02 Jul 2020 20:45

Instrument :

MSVOA_Y

ClientSampleId :

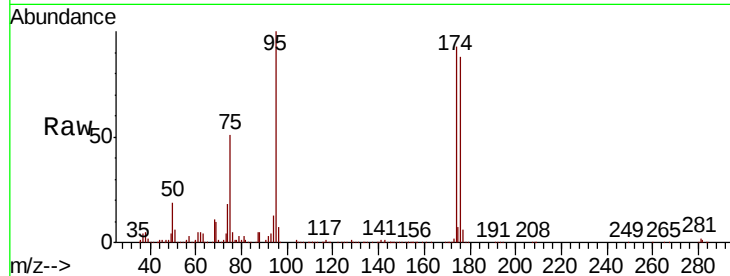
SB-7_11-11.5

Tot Ion: 75 Resp: 104254

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0

80000

60000

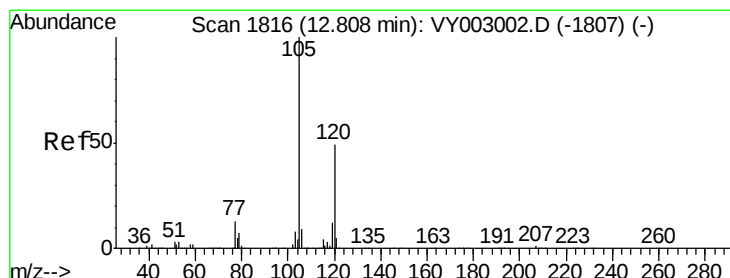
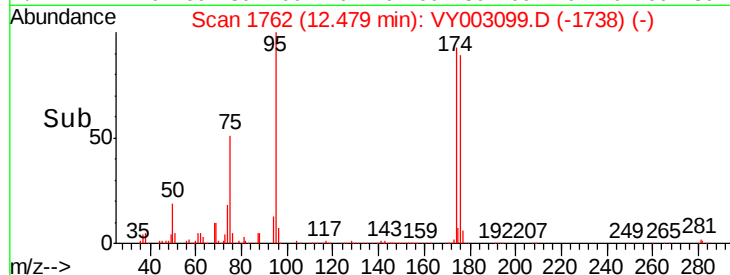
40000

20000

0

12.40 12.45 12.50 12.55

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 2.619 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VY003099.D

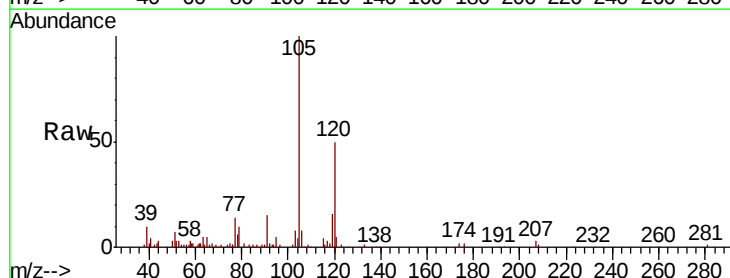
Acq: 02 Jul 2020 20:45

Tgt Ion: 105 Resp: 33300

Ion Ratio Lower Upper

105 100

120 51.9 24.6 73.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

25000

20000

15000

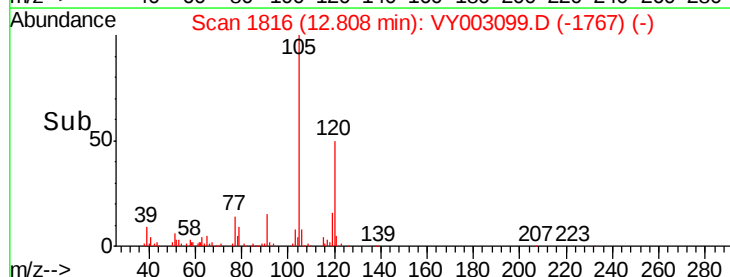
10000

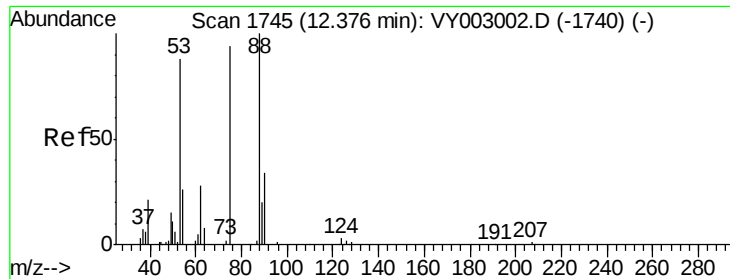
5000

0

12.75 12.80 12.85

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 88.522 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003099.D

Acq: 02 Jul 2020 20:45

Instrument :

MSVOA_Y

ClientSampleId :

SB-7_11-11.5

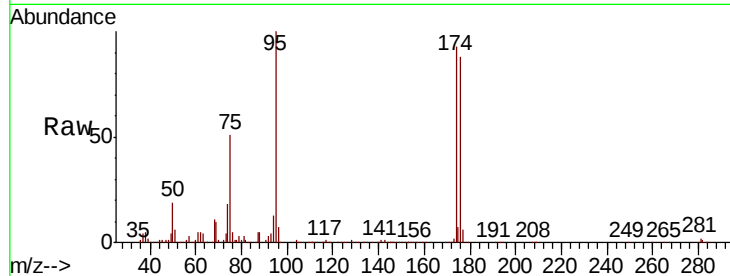
Tot Ion: 75 Resp: 104254

Ion Ratio Lower Upper

75 100

53 0.3 73.9 110.9#

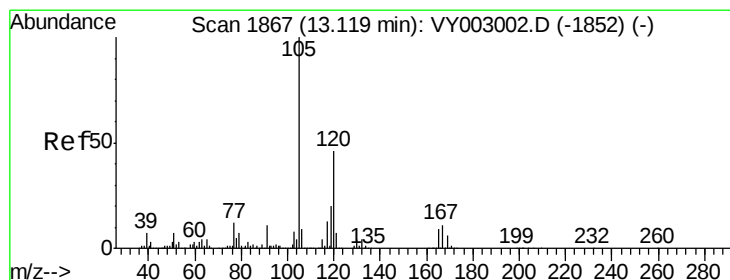
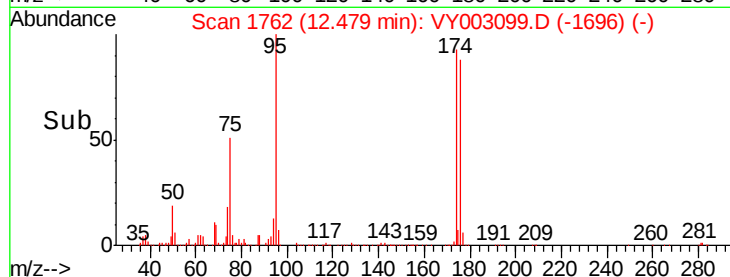
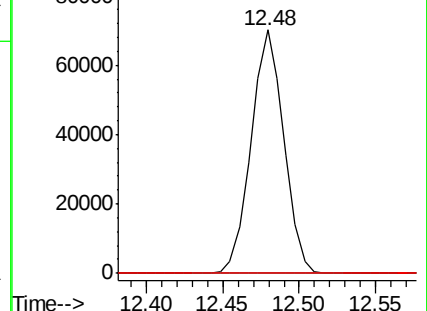
89 0.0 37.5 56.3#



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



#84

1,2,4-Trimethylbenzene

Concen: 1.534 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VY003099.D

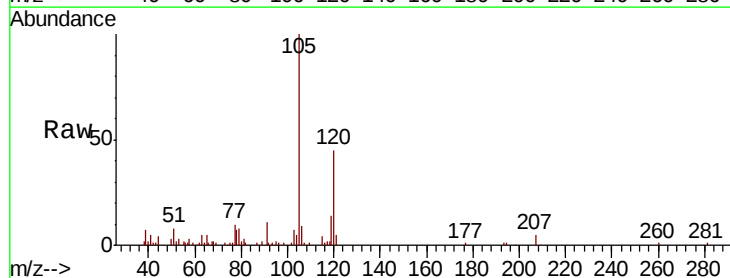
Acq: 02 Jul 2020 20:45

Tgt Ion: 105 Resp: 19655

Ion Ratio Lower Upper

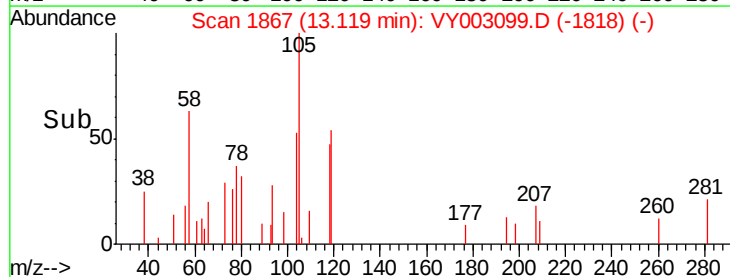
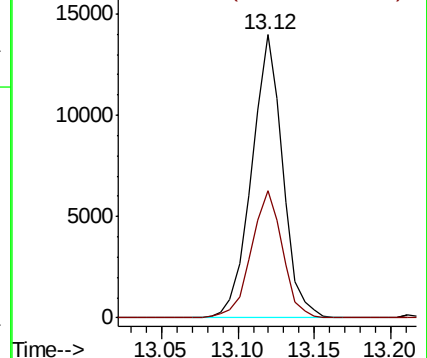
105 100

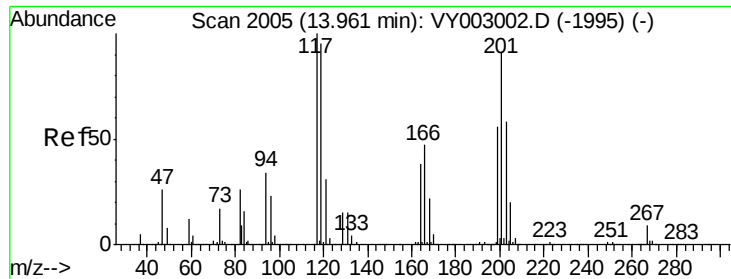
120 45.2 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#90

Hexachloroethane

Concen: 1.475 ug/l

RT: 13.97 min Scan# 2006

Delta R.T. 0.01 min

Lab File: VY003099.D

Acq: 02 Jul 2020 20:45

Instrument :

MSVOA_Y

ClientSampleId :

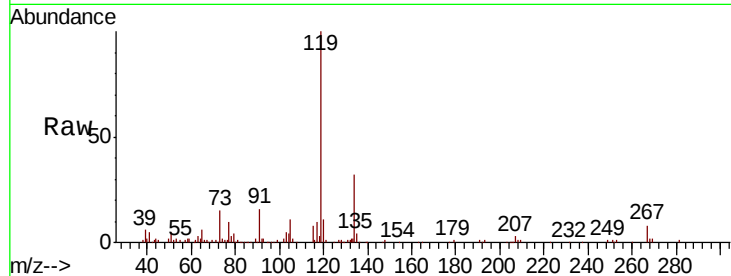
SB-7_11-11.5

Tot Ion:117 Resp: 4176

Ion Ratio Lower Upper

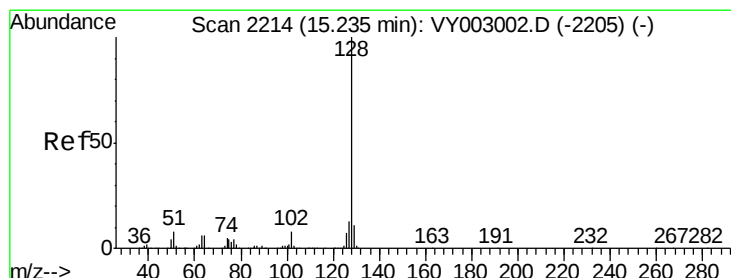
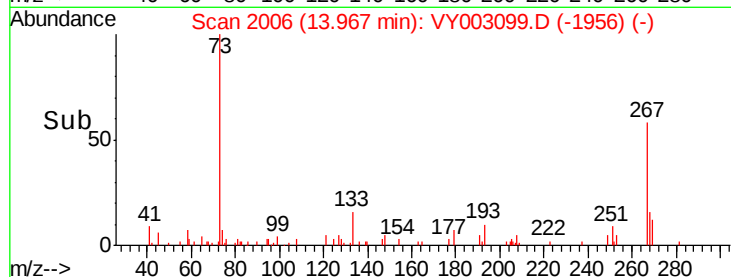
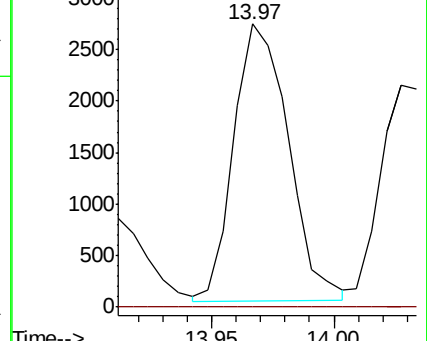
117 100

201 0.0 45.5 136.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#95

Naphthalene

Concen: 2.152 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VY003099.D

Acq: 02 Jul 2020 20:45

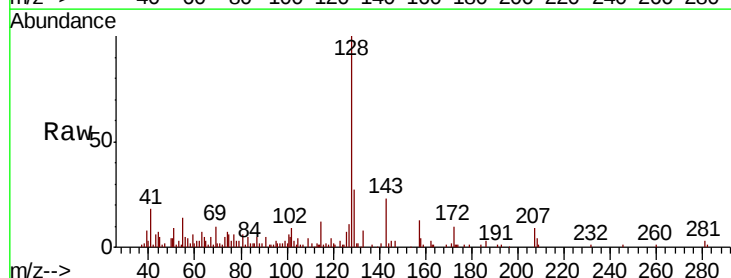
Tgt Ion:128 Resp: 19005

Ion Ratio Lower Upper

128 100

127 14.3 10.8 16.2

129 20.3 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

