

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY072120\
 Data File : VY003274.D
 Acq On : 22 Jul 2020 01:14
 Operator : SY/MD
 Sample : L3360-01
 Misc : 6.60G/5ML/MSVOA Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SP-1A

Quant Time: Jul 22 02:50:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y071020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 13:18:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	411533	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	645043	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	588807	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	277609	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	212728	61.24	ug/l	0.00
Spiked Amount			Recovery	=	122.48%	
35) Dibromofluoromethane	7.72	113	72311	19.48	ug/l	0.00
Spiked Amount			Recovery	=	38.96%	
50) Toluene-d8	10.18	98	782458	56.70	ug/l	0.00
Spiked Amount			Recovery	=	113.40%	
62) 4-Bromofluorobenzene	12.48	95	247713	49.68	ug/l	0.00
Spiked Amount			Recovery	=	99.36%	

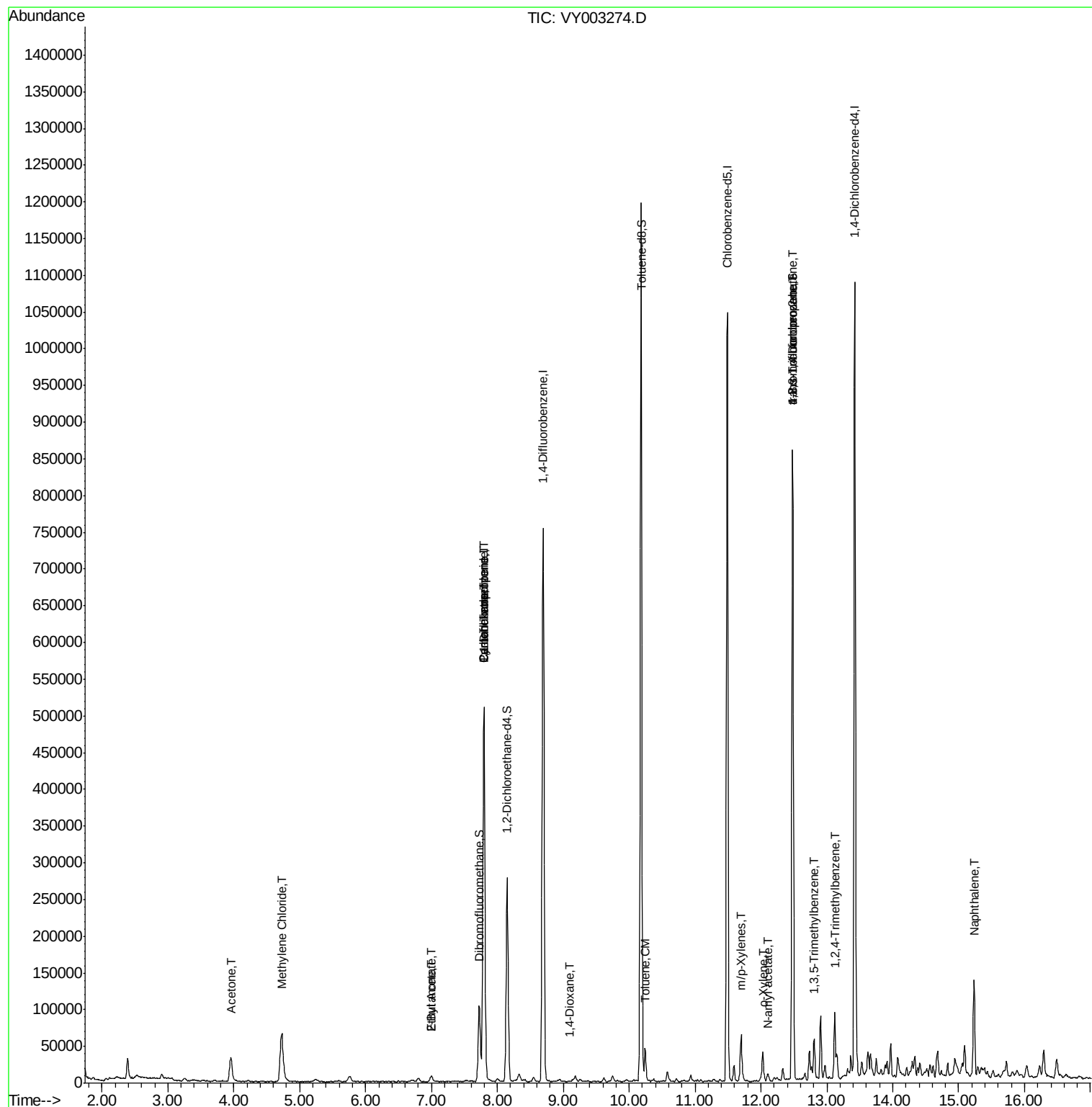
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.96	43	56372	72.656	ug/l	95
20) Methylene Chloride	4.72	84	50940	8.486	ug/l	91
25) 2-Butanone	6.99	43	12818	10.062	ug/l #	86
31) Cyclohexane	7.79	56	9692	1.534	ug/l #	29
36) 1,1-Dichloropropene	7.80	75	29466	5.040	ug/l #	49
37) Ethyl Acetate	6.99	43	12818	4.071	ug/l #	68
38) Carbon Tetrachloride	7.80	117	37354	6.189	ug/l #	17
49) 1,4-Dioxane	9.10	88	66	2.138	ug/l #	28
52) Toluene	10.24	92	16692	1.622	ug/l	100
68) m/p-Xylenes	11.69	106	19613	2.552	ug/l	99
69) o-Xylene	12.02	106	9265	1.291	ug/l	96
74) N-amyl acetate	12.11	43	6287	1.267	ug/l #	50
76) 1,2,3-Trichloropropane	12.48	75	126440	51.454	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.81	105	17160	1.164	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.48	75	126440	100.140	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.12	105	48611	3.277	ug/l	99
95) Naphthalene	15.23	128	104269	11.851	ug/l	99

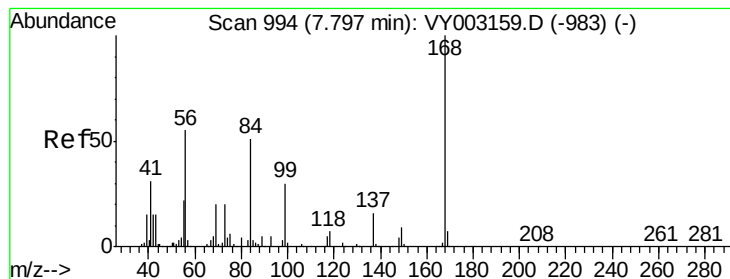
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jul 10 13:18:03 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY003274.D

Acq: 22 Jul 2020 01:14

Instrument :

MSVOA_Y

ClientSampled :

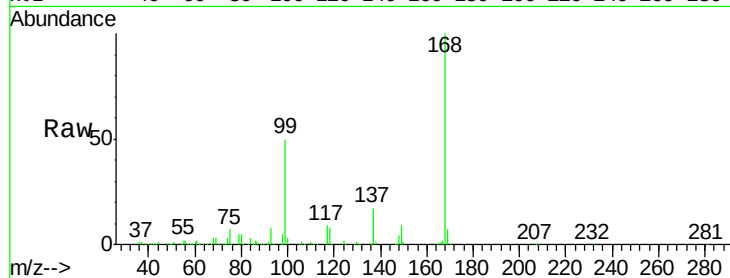
SP-1A

Tot Ion:168 Resp: 411533

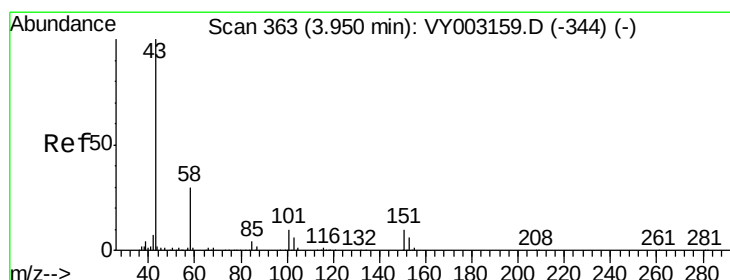
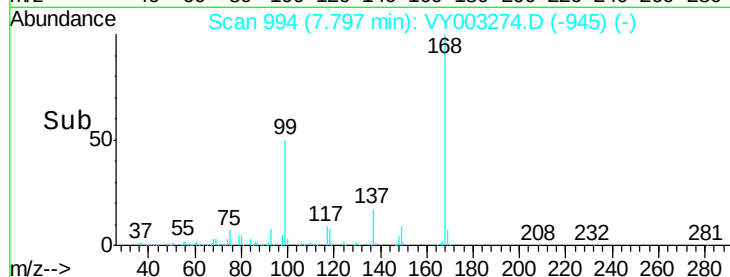
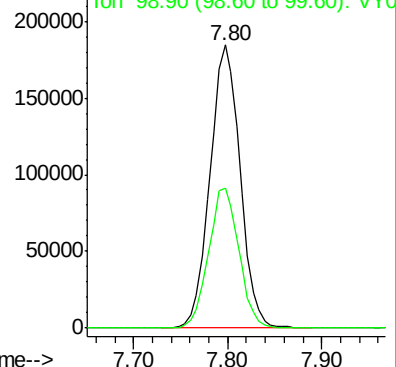
Ion Ratio Lower Upper

168 100

99 49.6 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): VY003274.D (-945) (-)



#16

Acetone

Concen: 72.656 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY003274.D

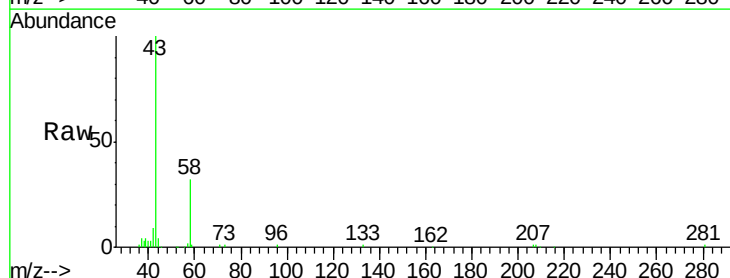
Acq: 22 Jul 2020 01:14

Tgt Ion: 43 Resp: 56372

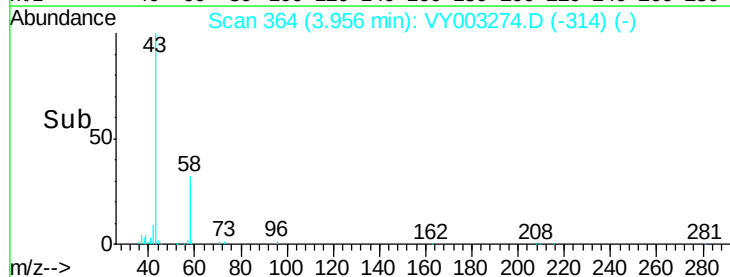
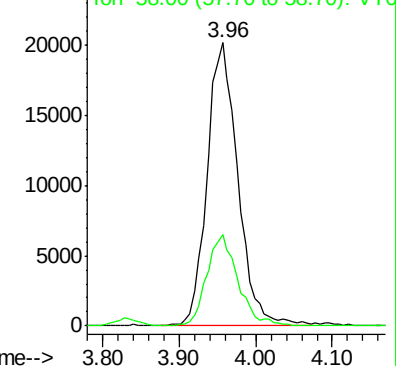
Ion Ratio Lower Upper

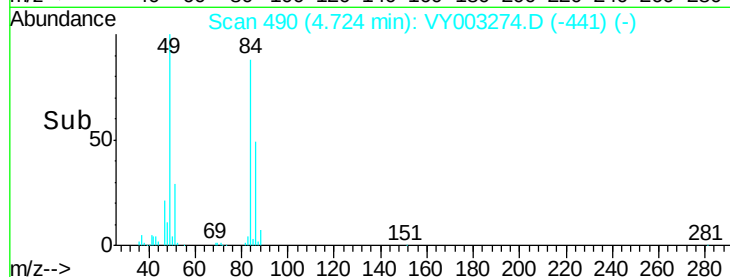
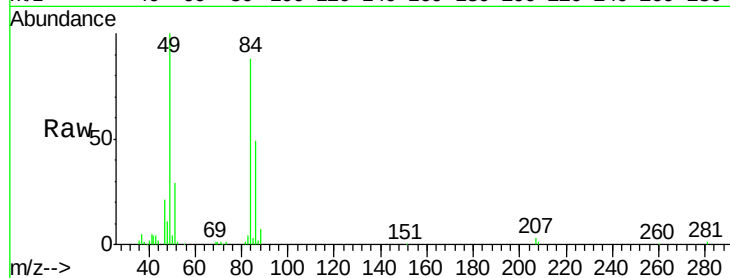
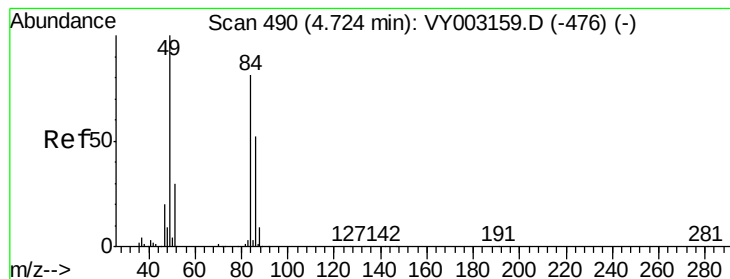
43 100

58 32.4 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VY003274.D (-314) (-)





#20

Methylene Chloride

Concen: 8.486 ug/l

RT: 4.72 min Scan# 490

Delta R.T. 0.00 min

Lab File: VY003274.D

Acq: 22 Jul 2020 01:14

Instrument :

MSVOA_Y

ClientSampleId :

SP-1A

Tot Ion: 84 Resp: 50940

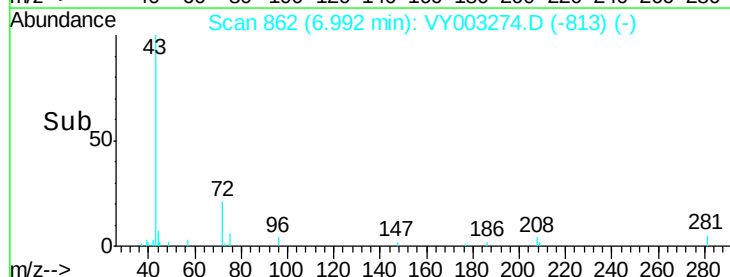
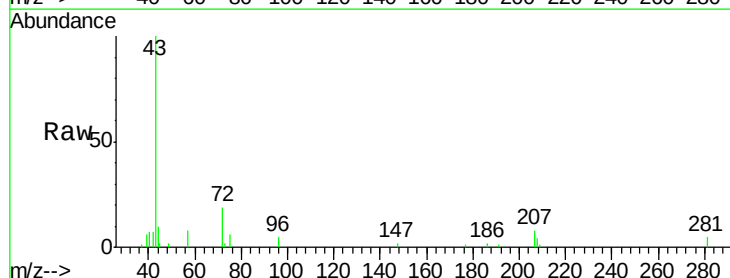
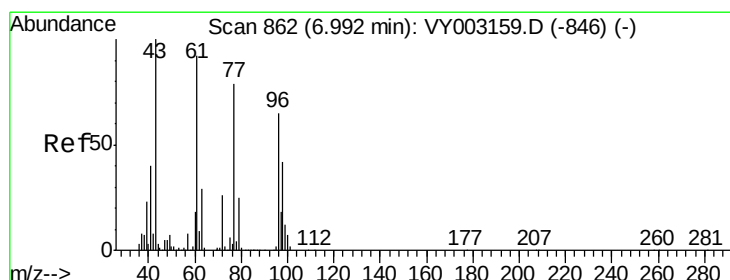
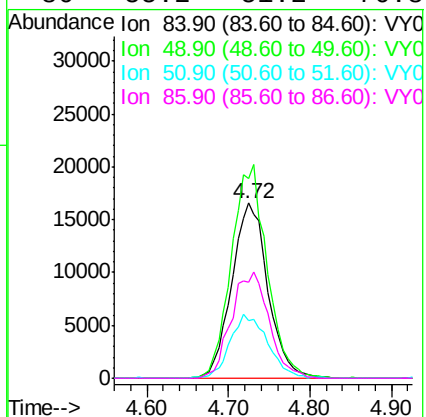
Ion Ratio Lower Upper

84 100

49 113.8 98.2 147.4

51 32.8 29.8 44.6

86 55.2 51.2 76.8



#25

2-Butanone

Concen: 10.062 ug/l

RT: 6.99 min Scan# 862

Delta R.T. 0.00 min

Lab File: VY003274.D

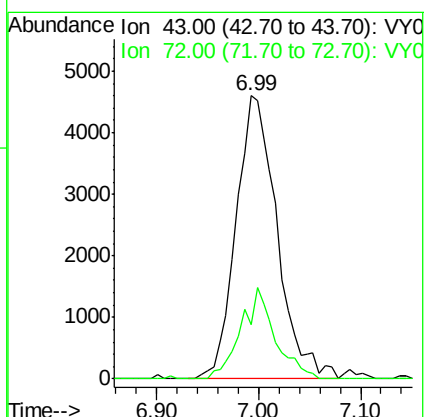
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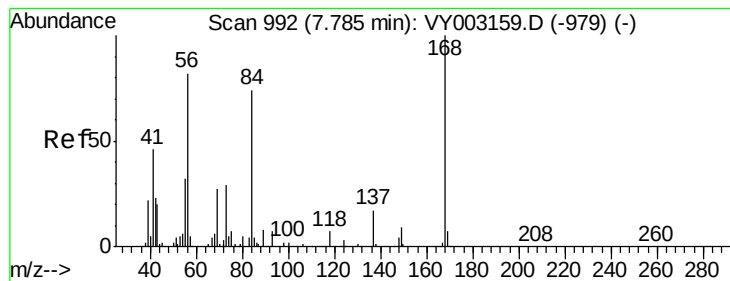
Tgt Ion: 43 Resp: 12818

Ion Ratio Lower Upper

43 100

72 19.1 20.9 31.3#





#31

Cyclohexane

Concen: 1.534 ug/l

RT: 7.79 min Scan# 993

Delta R.T. 0.01 min

Lab File: VY003274.D

Acq: 22 Jul 2020 01:14

Instrument :

MSVOA_Y

ClientSampleId :

SP-1A

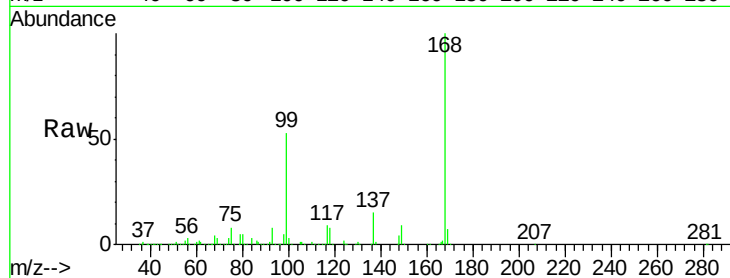
Tot Ion: 56 Resp: 9692

Ion Ratio Lower Upper

56 100

69 119.6 26.7 40.1#

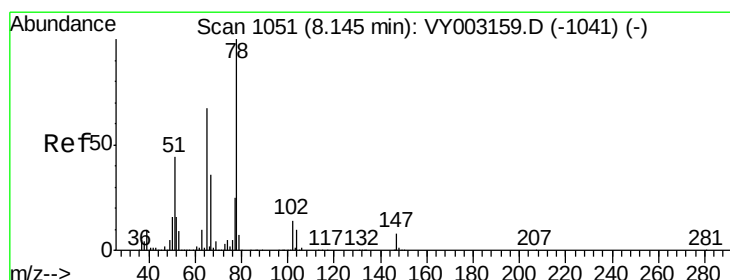
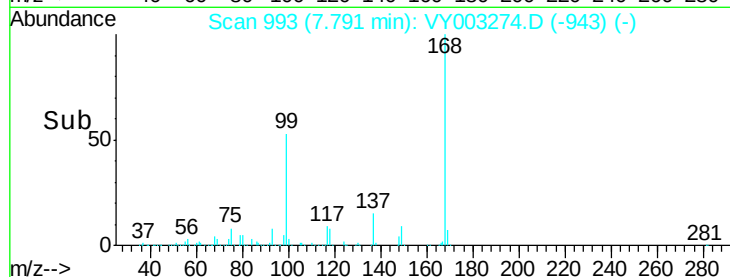
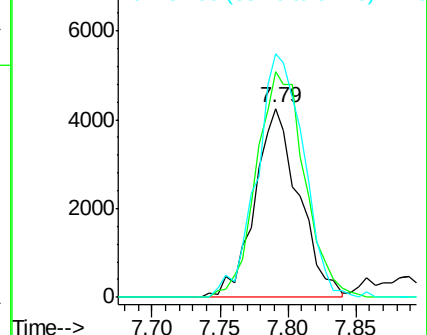
84 129.1 72.3 108.5#



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: 61.243 ug/l

RT: 8.14 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VY003274.D

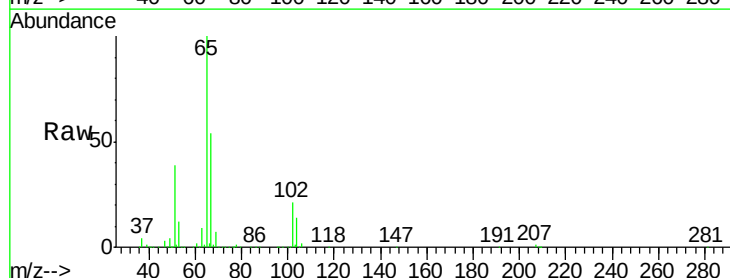
Acq: 22 Jul 2020 01:14

Tgt Ion: 65 Resp: 212728

Ion Ratio Lower Upper

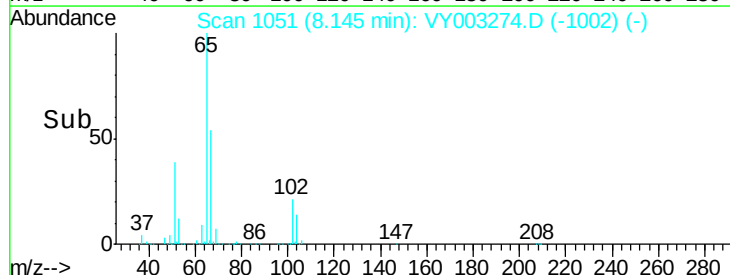
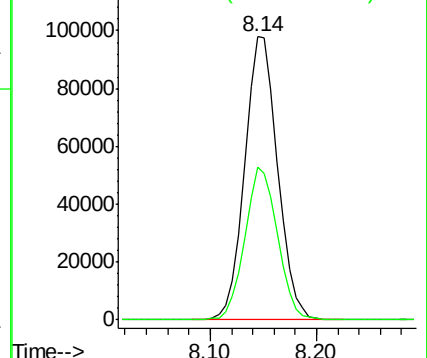
65 100

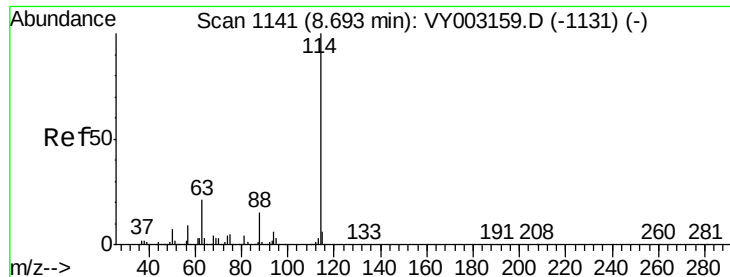
67 53.4 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

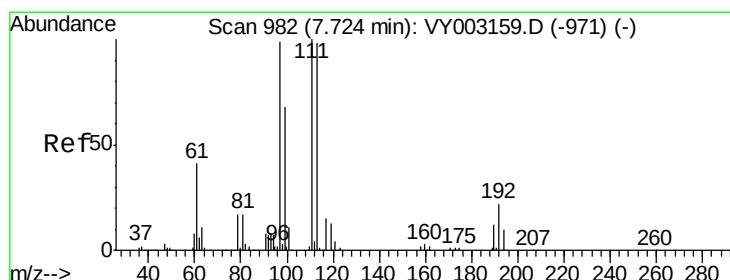
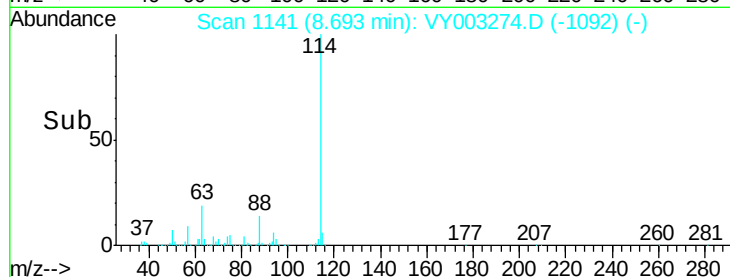
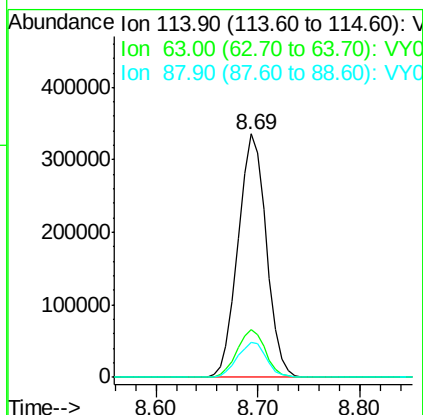
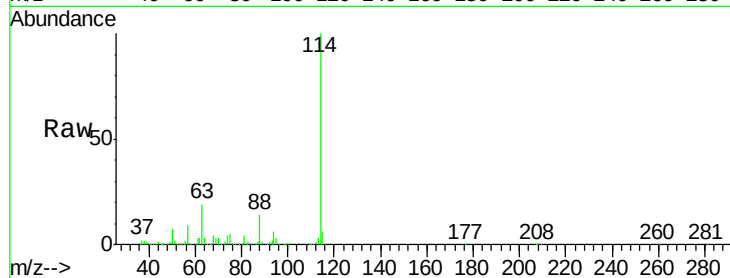




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.69 min Scan# 1141
Delta R.T. 0.00 min
Lab File: VY003274.D
Acq: 22 Jul 2020 01:14

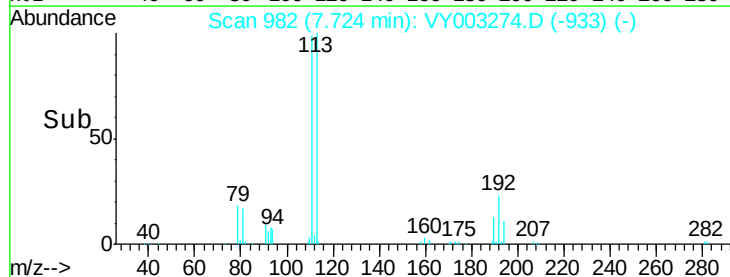
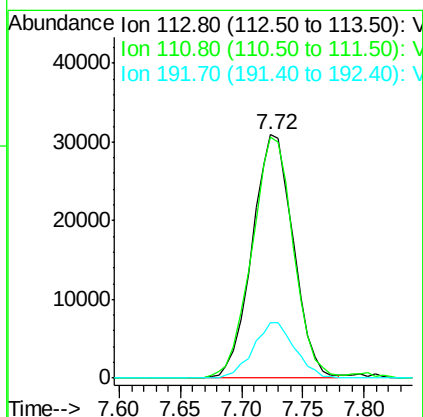
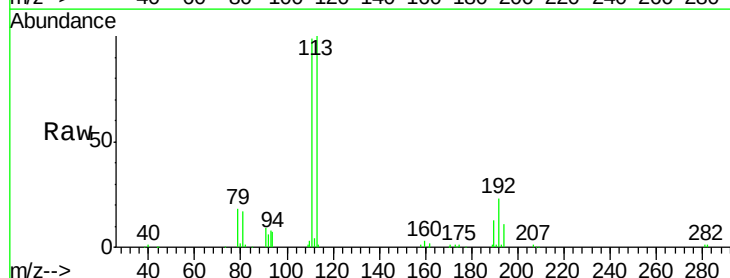
Instrument :
MSVOA_Y
ClientSampleId :
SP-1A

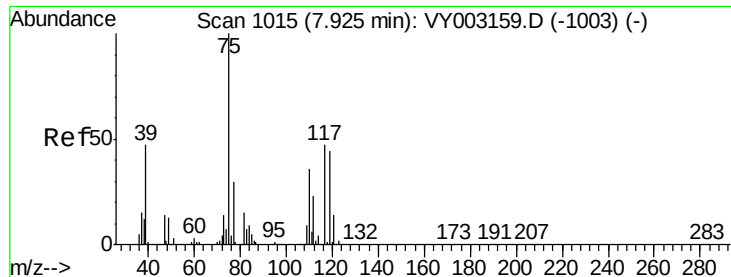
Tot Ion:114 Resp: 645043
Ion Ratio Lower Upper
114 100
63 19.4 0.0 41.2
88 14.3 0.0 30.2



#35
Dibromofluoromethane
Concen: 19.480 ug/l
RT: 7.72 min Scan# 982
Delta R.T. 0.00 min
Lab File: VY003274.D
Acq: 22 Jul 2020 01:14

Tgt Ion:113 Resp: 72311
Ion Ratio Lower Upper
113 100
111 100.3 82.1 123.1
192 23.0 18.8 28.2

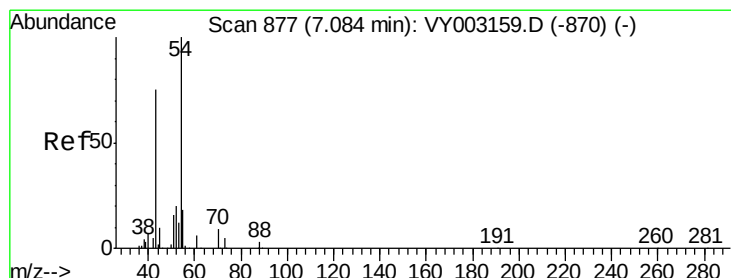
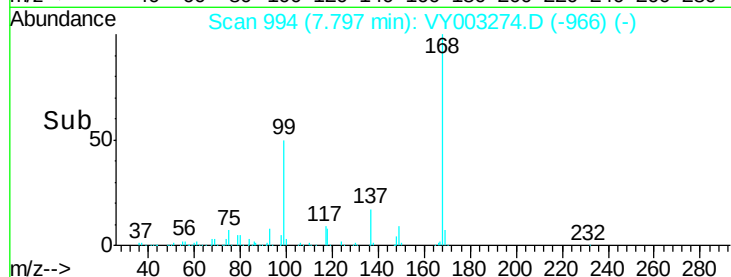
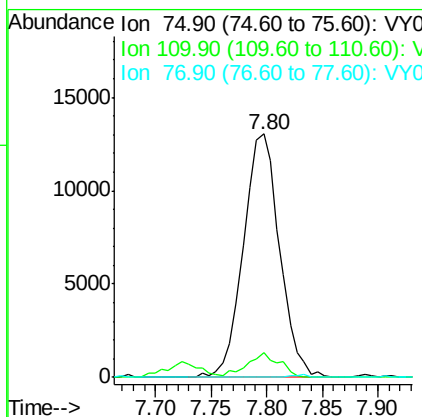
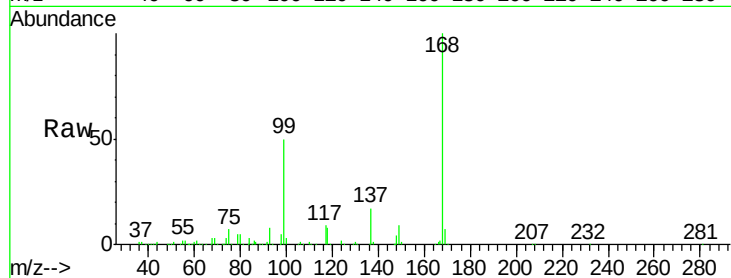




#36
 1,1-Dichloropropene
 Concen: 5.040 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY003274.D
 Acq: 22 Jul 2020 01:14

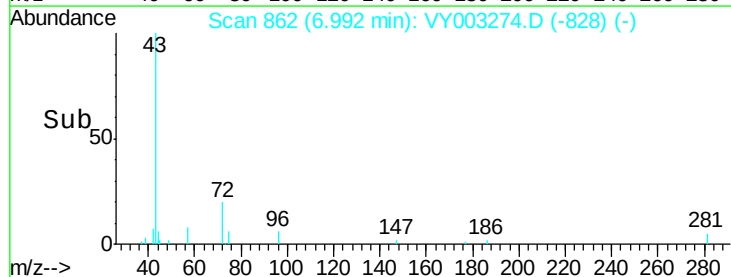
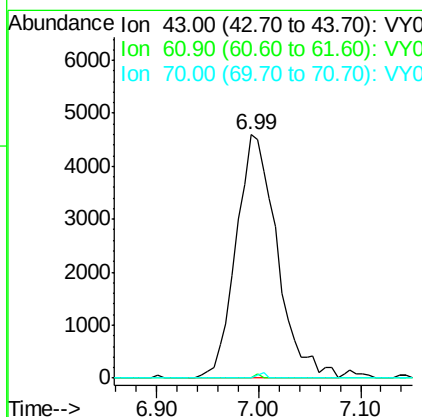
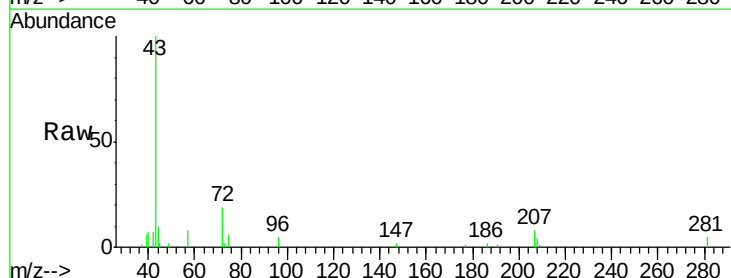
Instrument :
 MSVOA_Y
 ClientSampled :
 SP-1A

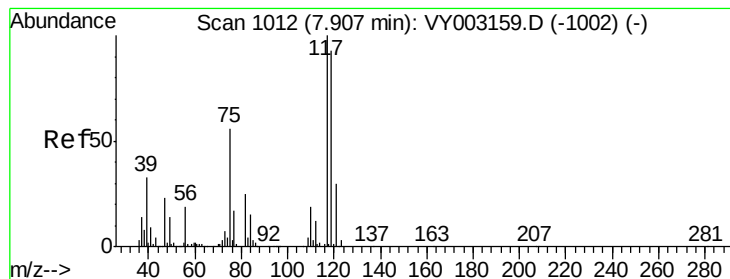
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.0	18.1	54.1#
77	0.0	24.8	37.2#



#37
 Ethyl Acetate
 Concen: 4.071 ug/l
 RT: 6.99 min Scan# 862
 Delta R.T. -0.09 min
 Lab File: VY003274.D
 Acq: 22 Jul 2020 01:14

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.2	11.8	17.6#
70	0.5	8.6	13.0#





#38

Carbon Tetrachloride

Concen: 6.189 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003274.D

Acq: 22 Jul 2020 01:14

Instrument :

MSVOA_Y

ClientSampled :

SP-1A

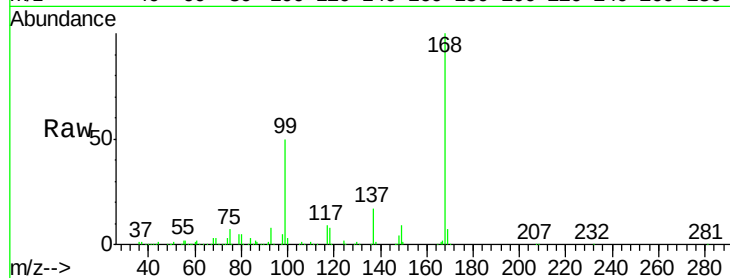
Tot Ion:117 Resp: 37354

Ion Ratio Lower Upper

117 100

119 5.1 74.5 111.7#

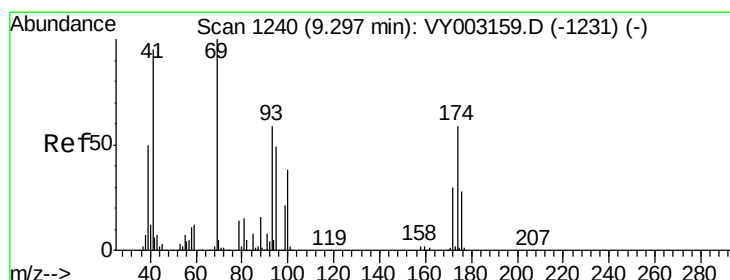
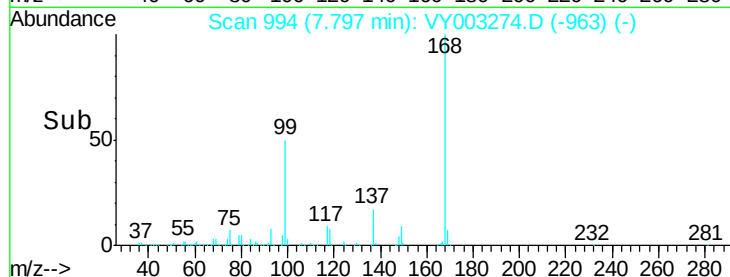
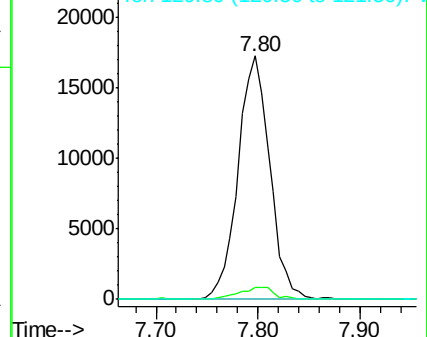
121 0.0 24.2 36.2#



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



#49

1,4-Dioxane

Concen: 2.138 ug/l

RT: 9.10 min Scan# 1207

Delta R.T. -0.20 min

Lab File: VY003274.D

Acq: 22 Jul 2020 01:14

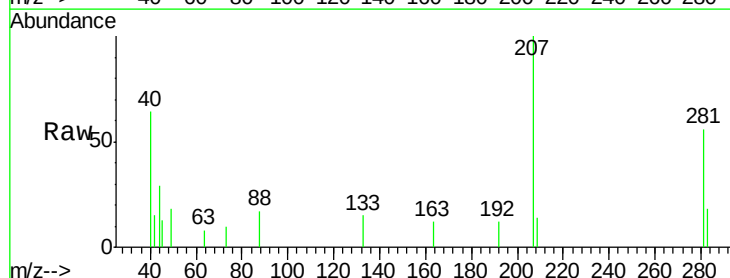
Tgt Ion: 88 Resp: 66

Ion Ratio Lower Upper

88 100

43 0.0 25.6 38.4#

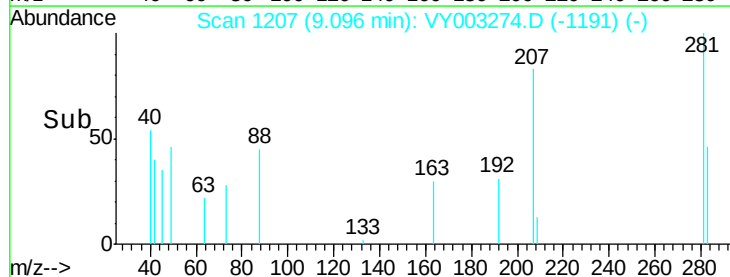
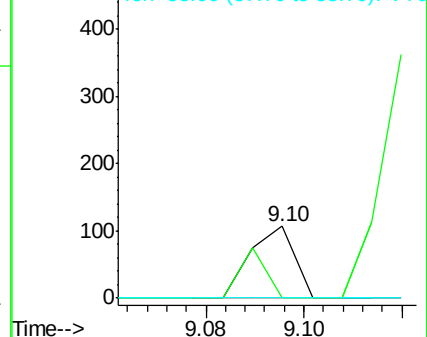
58 0.0 47.8 71.6#

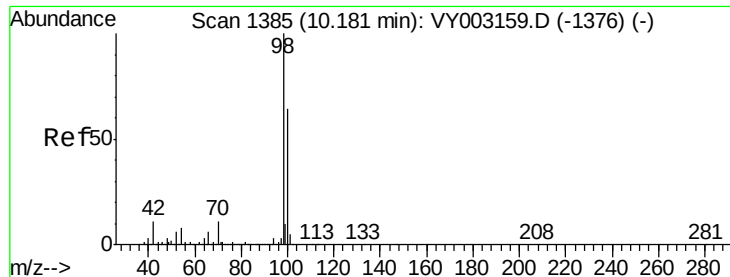


Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

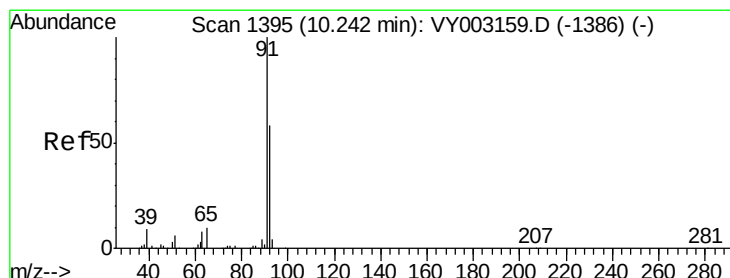
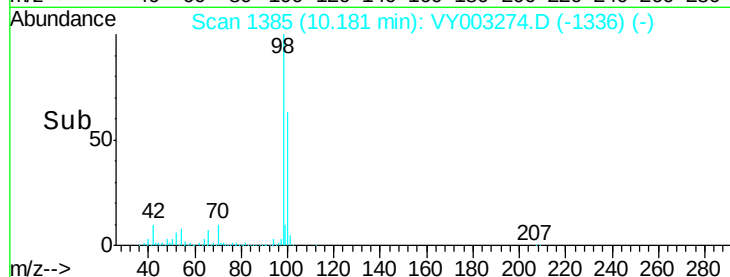
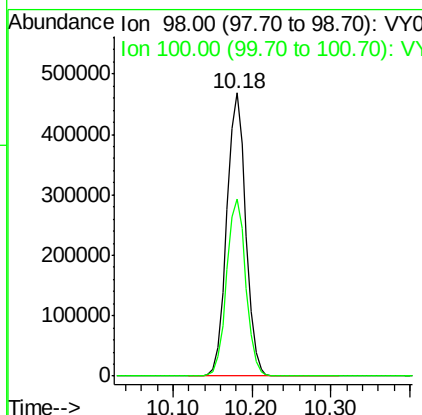
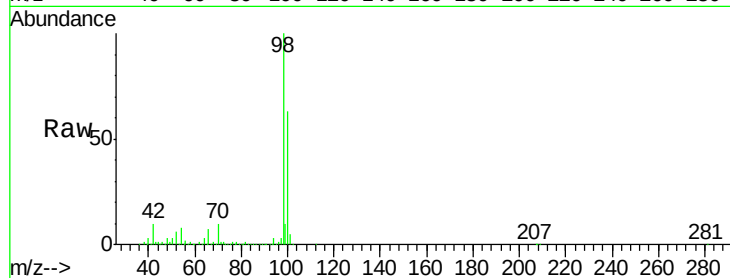




#50
Toluene-d8
Concen: 56.696 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY003274.D
Acq: 22 Jul 2020 01:14

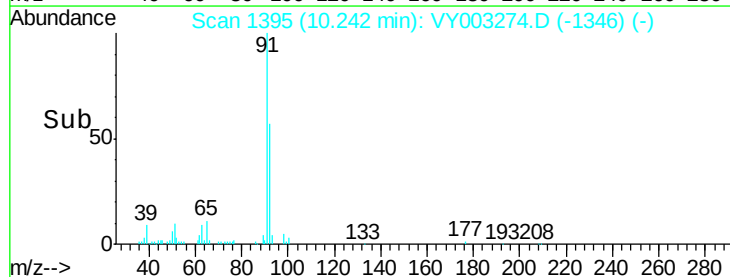
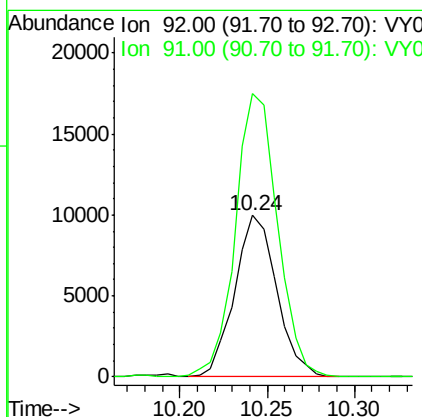
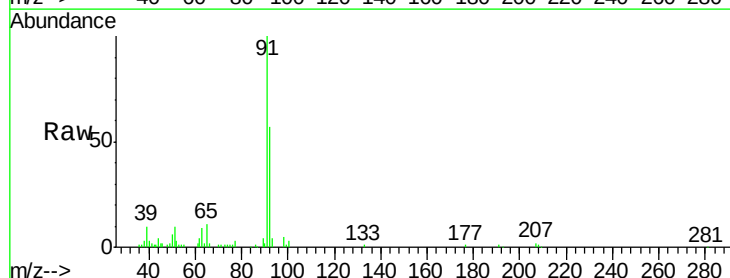
Instrument :
MSVOA_Y
ClientSampled :
SP-1A

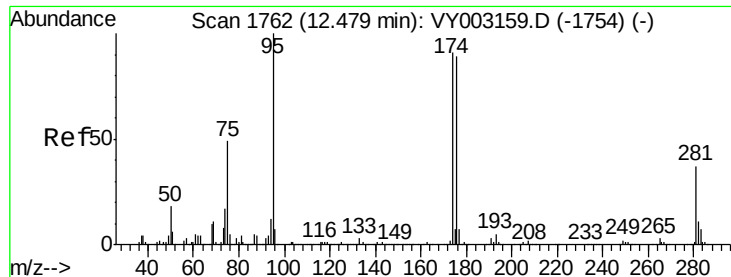
Tot Ion: 98 Resp: 782458
Ion Ratio Lower Upper
98 100
100 63.5 50.7 76.1



#52
Toluene
Concen: 1.622 ug/l
RT: 10.24 min Scan# 1395
Delta R.T. 0.00 min
Lab File: VY003274.D
Acq: 22 Jul 2020 01:14

Tgt Ion: 92 Resp: 16692
Ion Ratio Lower Upper
92 100
91 175.2 139.7 209.5

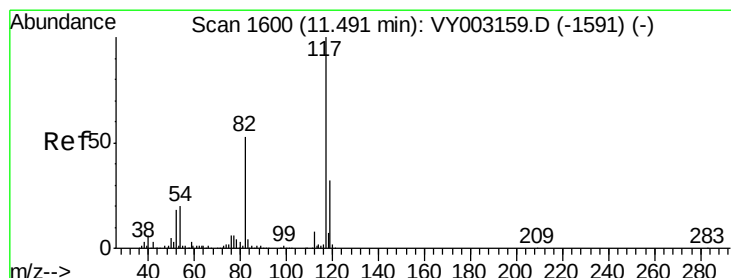
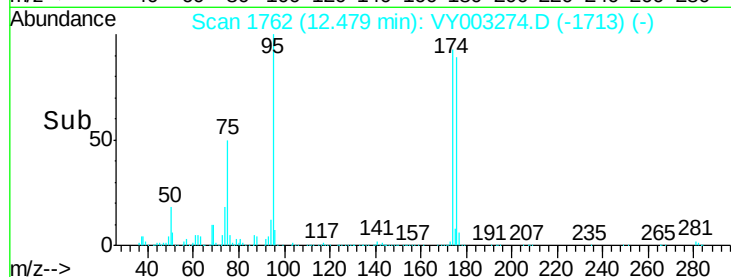
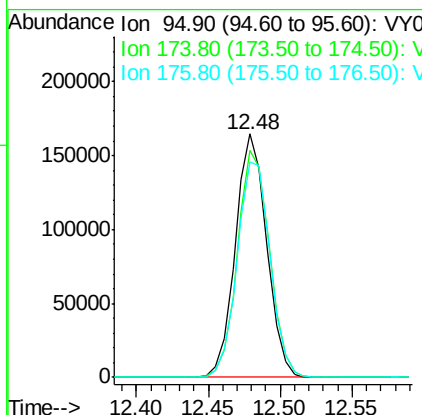
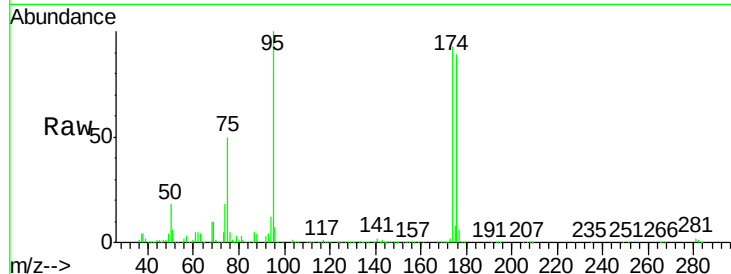




#62
4-Bromofluorobenzene
Concen: 49.685 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY003274.D
Acq: 22 Jul 2020 01:14

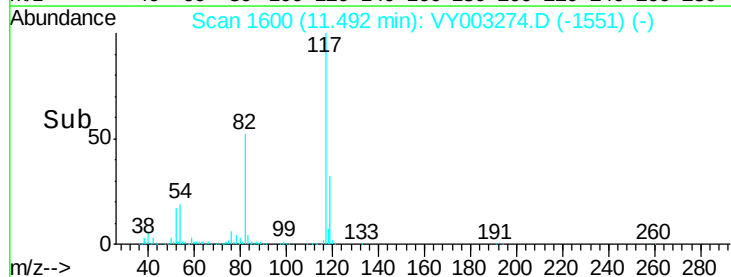
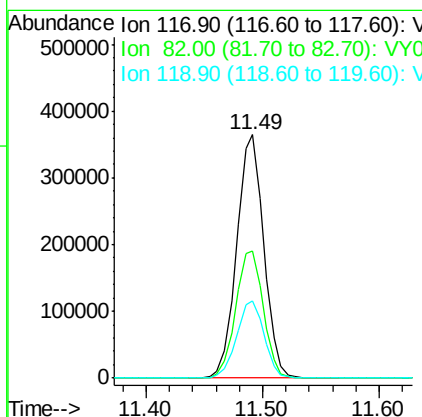
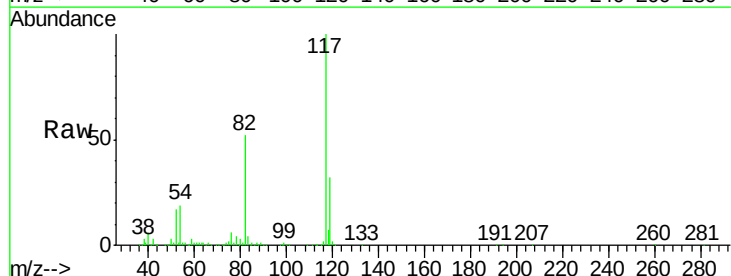
Instrument :
MSVOA_Y
ClientSampleId :
SP-1A

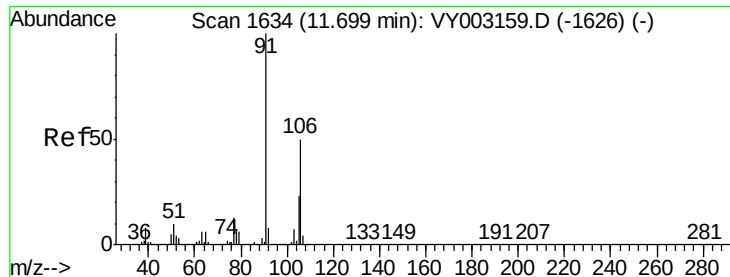
Tot Ion	Ratio	Lower	Upper
95	100		
174	95.5	0.0	190.6
176	93.3	0.0	186.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY003274.D
Acq: 22 Jul 2020 01:14

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.4	42.0	63.0
119	31.8	25.5	38.3

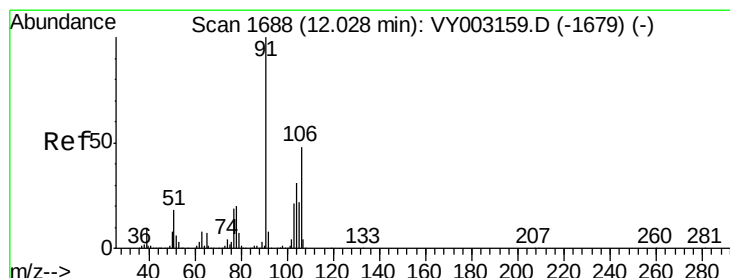
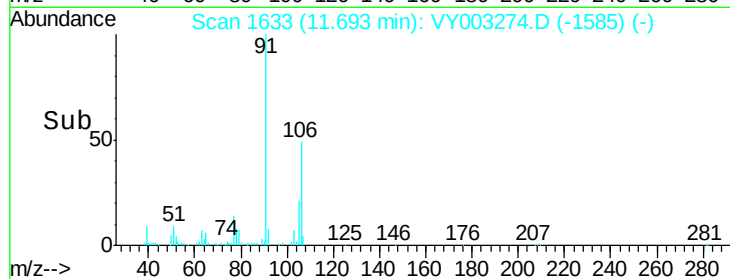
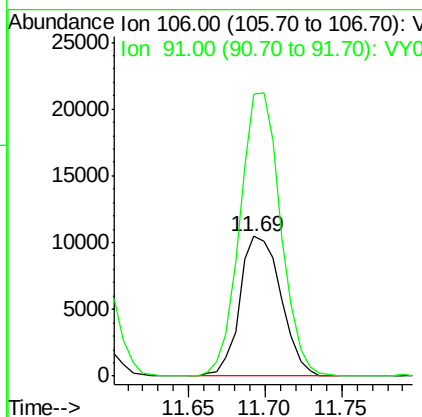
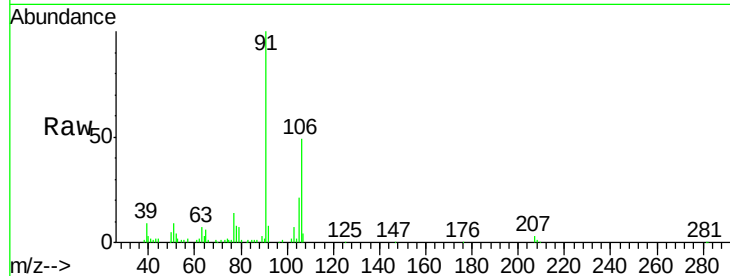




#68
m/p-Xylenes
Concen: 2.552 ug/l
RT: 11.69 min Scan# 1633
Delta R.T. -0.01 min
Lab File: VY003274.D
Acq: 22 Jul 2020 01:14

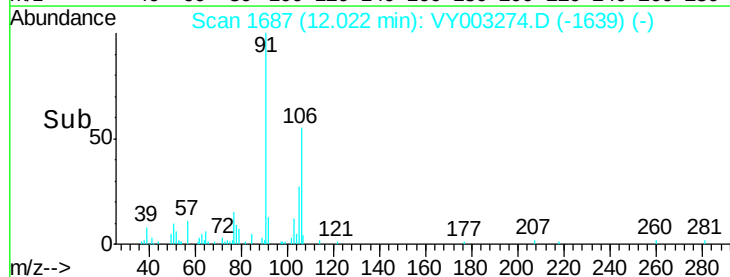
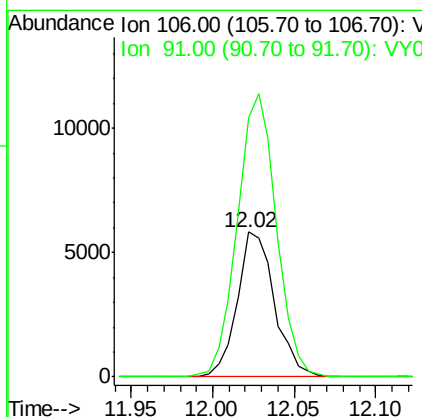
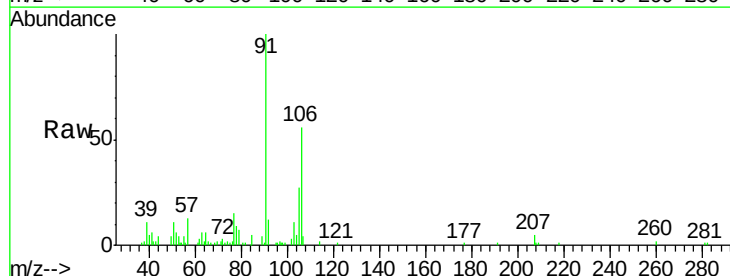
Instrument :
MSVOA_Y
ClientSampleId :
SP-1A

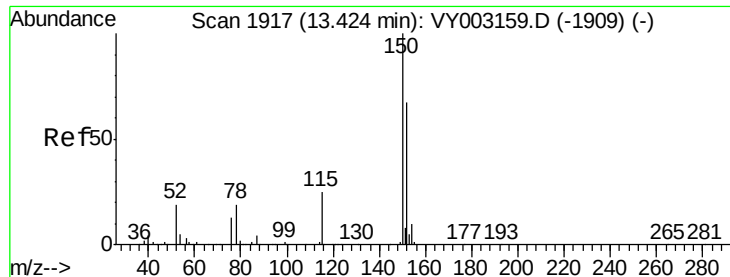
Tot Ion:106 Resp: 19613
Ion Ratio Lower Upper
106 100
91 200.3 159.0 238.6



#69
o-Xylene
Concen: 1.291 ug/l
RT: 12.02 min Scan# 1687
Delta R.T. -0.01 min
Lab File: VY003274.D
Acq: 22 Jul 2020 01:14

Tgt Ion:106 Resp: 9265
Ion Ratio Lower Upper
106 100
91 204.1 105.1 315.1

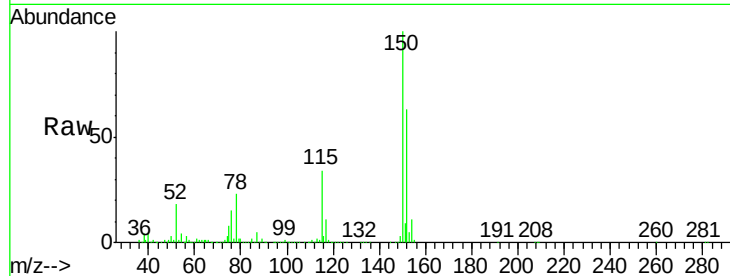




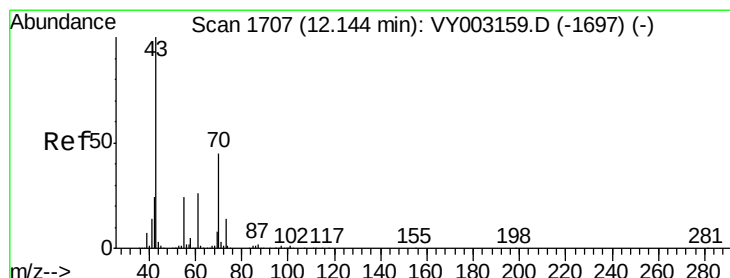
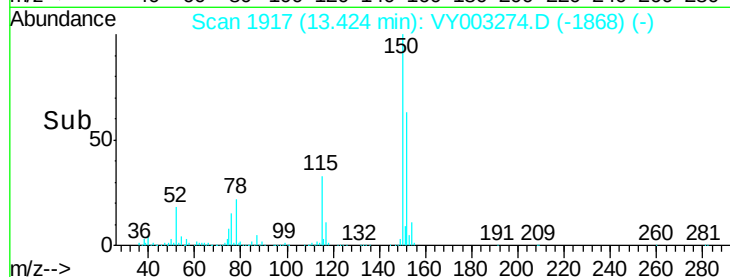
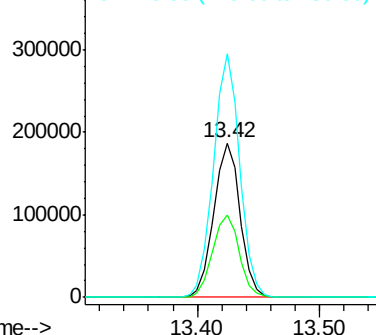
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.42 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VY003274.D
 Acq: 22 Jul 2020 01:14

Instrument :
 MSVOA_Y
 ClientSampleId :
 SP-1A

Tot Ion:152 Resp: 277609
 Ion Ratio Lower Upper
 152 100
 115 54.5 26.9 80.7
 150 157.7 0.0 338.0

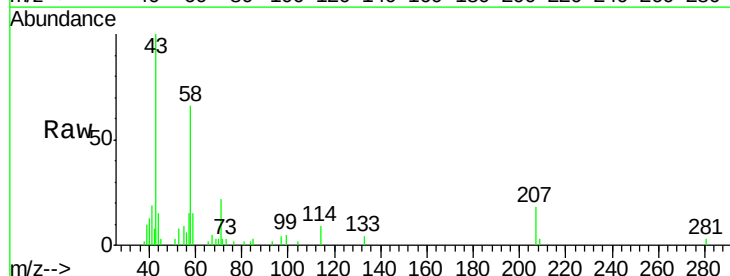


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

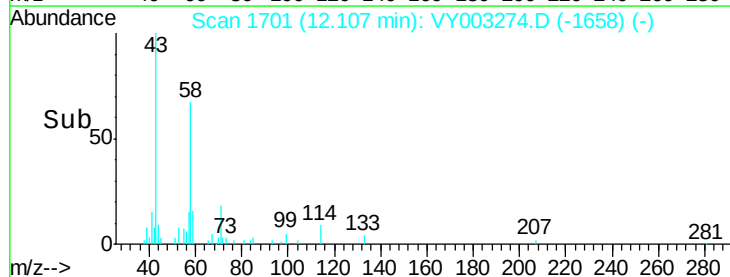
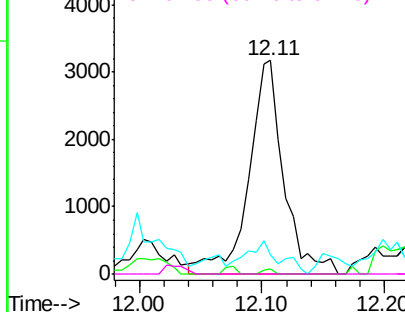


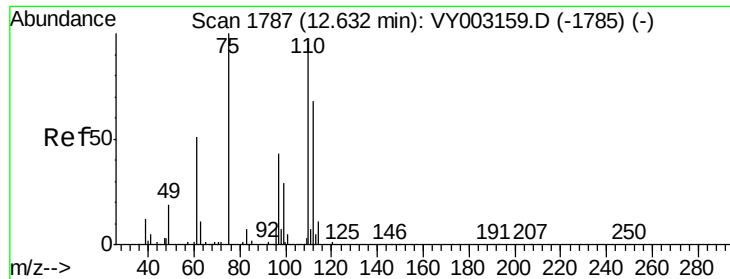
#74
 N-ethyl acetate
 Concen: 1.267 ug/l
 RT: 12.11 min Scan# 1701
 Delta R.T. -0.04 min
 Lab File: VY003274.D
 Acq: 22 Jul 2020 01:14

Tgt Ion: 43 Resp: 6287
 Ion Ratio Lower Upper
 43 100
 70 0.9 35.6 53.4#
 55 15.0 19.4 29.2#
 61 0.0 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VY0
 Ion 70.00 (69.70 to 70.70): VY0
 Ion 55.00 (54.70 to 55.70): VY0
 Ion 61.00 (60.70 to 61.70): VY0

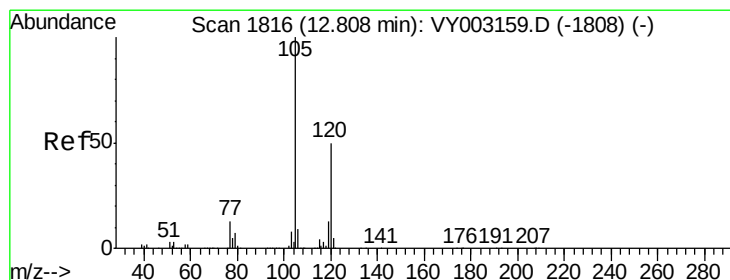
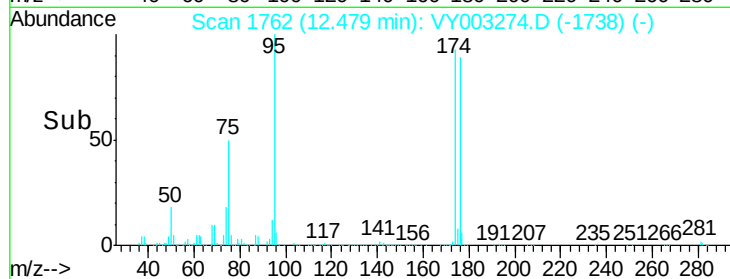
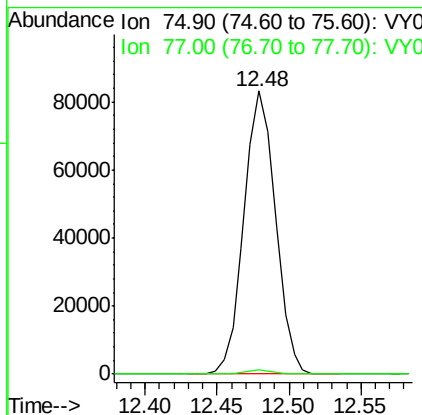
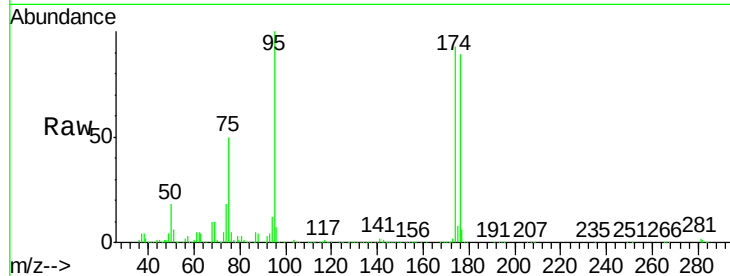




#76
 1,2,3-Trichloropropane
 Concen: 51.454 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.15 min
 Lab File: VY003274.D
 Acq: 22 Jul 2020 01:14

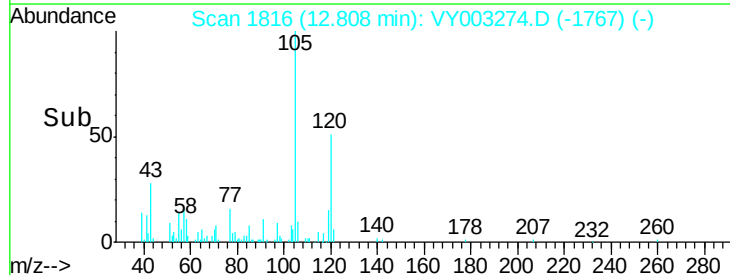
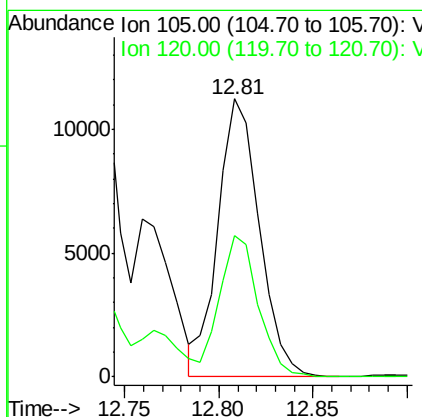
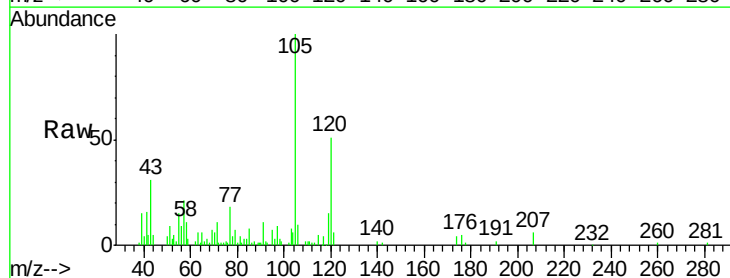
Instrument :
 MSVOA_Y
 ClientSampleId :
 SP-1A

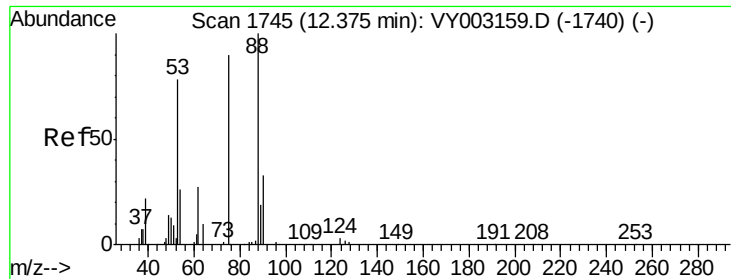
Tot Ion: 75 Resp: 126440
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 1.164 ug/l
 RT: 12.81 min Scan# 1816
 Delta R.T. 0.00 min
 Lab File: VY003274.D
 Acq: 22 Jul 2020 01:14

Tgt Ion:105 Resp: 17160
 Ion Ratio Lower Upper
 105 100
 120 47.1 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 100.140 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003274.D

Acq: 22 Jul 2020 01:14

Instrument :

MSVOA_Y

ClientSampled :

SP-1A

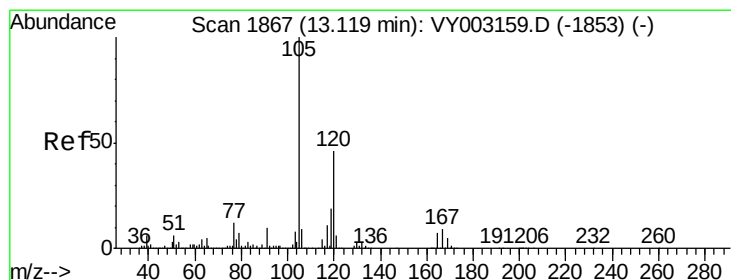
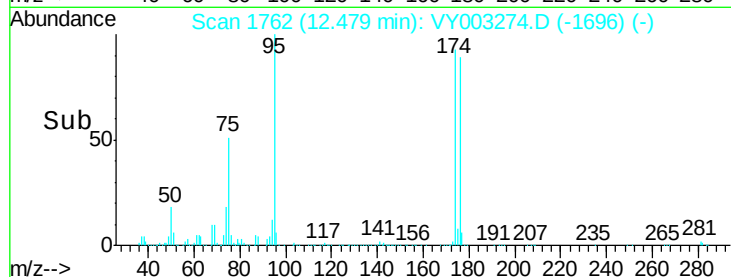
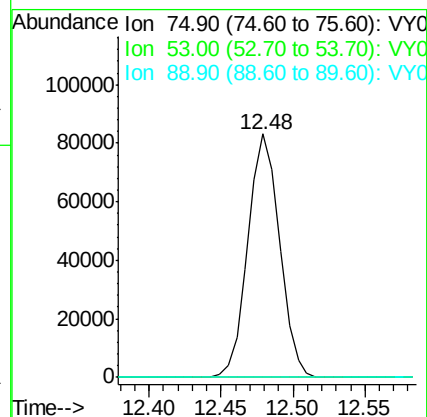
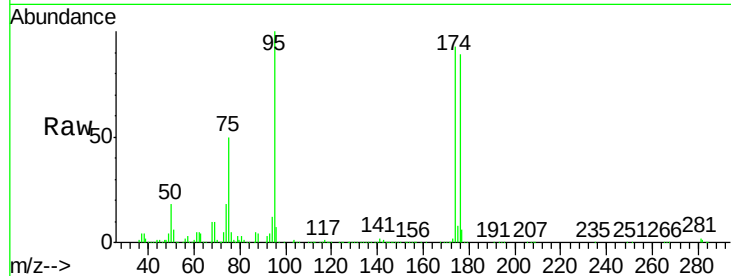
Tot Ion: 75 Resp: 126440

Ion Ratio Lower Upper

75 100

53 0.2 72.0 108.0#

89 0.1 37.3 55.9#



#84

1,2,4-Trimethylbenzene

Concen: 3.277 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VY003274.D

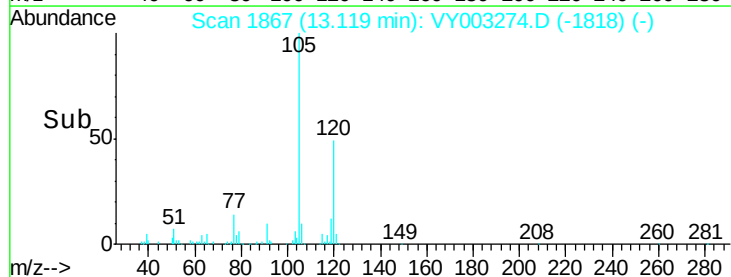
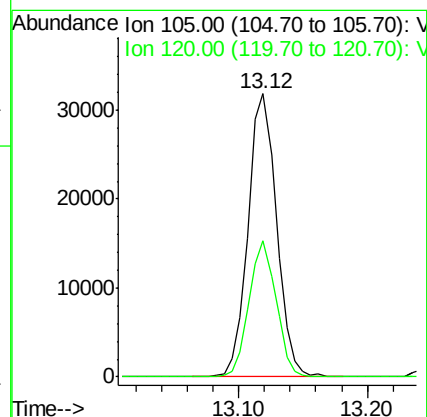
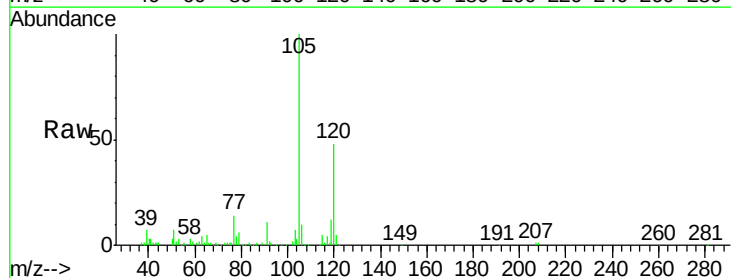
Acq: 22 Jul 2020 01:14

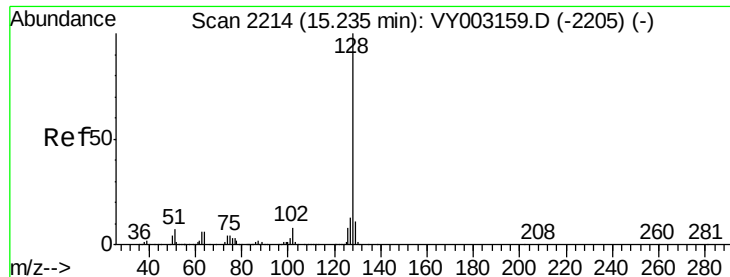
Tgt Ion:105 Resp: 48611

Ion Ratio Lower Upper

105 100

120 45.5 22.5 67.5





#95

Naphthalene

Concen: 11.851 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VY003274.D

Acq: 22 Jul 2020 01:14

Instrument :

MSVOA_Y

ClientSampleId :

SP-1A

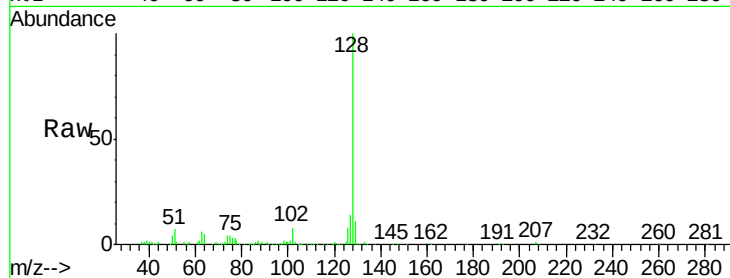
Tot Ion:128 Resp: 104269

Ion Ratio Lower Upper

128 100

127 13.4 10.9 16.3

129 11.7 9.0 13.6



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

